

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042115\  
 Data File : BG016610.D  
 Acq On : 22 Apr 2015 8:34  
 Operator : TP/IZ  
 Sample : G1928-03MS  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

Manual Integrations  
 APPROVED

apatel  
 4/22/2015 5:21:20 PM

Quant Time: Apr 22 15:58:35 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG042115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 22 02:10:07 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 51224    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.42 | 136  | 225298   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.28 | 164  | 135166   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.02 | 188  | 318179   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.21 | 240  | 323471   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.42 | 264  | 302052   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.23  | 112 | 194221  | 60.77  | ng | 0.00 |
| 7) Phenol-d6             | 6.82  | 99  | 170618  | 38.21  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.79  | 82  | 311856  | 85.23  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.78 | 330 | 144335  | 157.22 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.90 | 172 | 702117  | 86.03  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.66 | 244 | 1018248 | 75.84  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.10  | 88  | 16356  | 11.38 | ng | # 93   |
| 3) Pyridine                    | 3.52  | 79  | 8152   | 2.05  | ng | # 87   |
| 4) n-Nitrosodimethylamine      | 3.42  | 42  | 13730  | 11.54 | ng | # 93   |
| 6) Aniline                     | 6.97  | 93  | 33162  | 5.38  | ng | 97     |
| 8) 2-Chlorophenol              | 7.21  | 128 | 134140 | 35.16 | ng | 99     |
| 9) Benzaldehyde                | 6.78  | 77  | 24867  | 12.24 | ng | 88     |
| 10) Phenol                     | 6.85  | 94  | 66350  | 14.05 | ng | 97     |
| 11) bis(2-Chloroethyl)ether    | 7.07  | 93  | 147536 | 39.90 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.52  | 146 | 141599 | 35.55 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 7.67  | 146 | 143706 | 35.44 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 7.98  | 146 | 141728 | 36.74 | ng | 99     |
| 15) Benzyl Alcohol             | 7.88  | 79  | 56329  | 19.82 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 147919 | 41.31 | ng | 98     |
| 17) 2-Methylphenol             | 8.09  | 107 | 94897  | 29.81 | ng | 99     |
| 18) Hexachloroethane           | 8.70  | 117 | 49786  | 34.19 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.44  | 70  | 111188 | 38.52 | ng | 96     |
| 20) 3+4-Methylphenols          | 8.42  | 107 | 113367 | 25.86 | ng | 99     |
| 22) Acetophenone               | 8.46  | 105 | 213613 | 42.57 | ng | 100    |
| 24) Nitrobenzene               | 8.83  | 77  | 159361 | 41.85 | ng | 97     |
| 25) Isophorone                 | 9.36  | 82  | 309900 | 41.37 | ng | 98     |
| 26) 2-Nitrophenol              | 9.54  | 139 | 90953  | 43.26 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 9.61  | 122 | 144687 | 40.47 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.84  | 93  | 189244 | 42.13 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.08 | 162 | 134859 | 45.62 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.28 | 180 | 121849 | 38.77 | ng | 98     |
| 31) Naphthalene                | 10.47 | 128 | 472151 | 40.14 | ng | 99     |
| 32) Benzoic acid               | 9.77  | 122 | 5011   | 11.41 | ng | 97     |
| 33) 4-Chloroaniline            | 10.59 | 127 | 57593  | 10.71 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.75 | 225 | 49210  | 35.23 | ng | 98     |
| 35) Caprolactam                | 11.37 | 113 | 6413m  | 3.75  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.73 | 107 | 149472 | 41.87 | ng | 98     |
| 37) 2-Methylnaphthalene        | 12.09 | 142 | 354498 | 42.10 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 124851 | 40.15 | ng | 100    |
| 40) Hexachlorocyclopentadiene  | 12.44 | 237 | 74284  | 62.61 | ng | 99     |

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Instrument :  
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 S8-0437MS

Manual Integrations  
 APPROVED

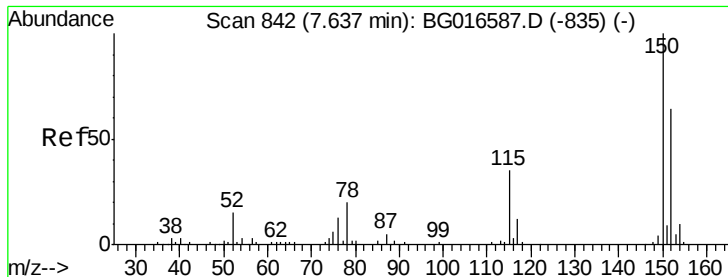
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 4/22/2015 5:21:20 PM

Quant Time: Apr 22 15:58:35 2015  
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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.71 | 196  | 97305    | 44.19 | nq    | 98       |
| 43) 2,4,5-Trichlorophenol      | 12.79 | 196  | 108607   | 46.26 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 13.11 | 154  | 445313   | 42.78 | nq    | 98       |
| 46) 2-Chloronaphthalene        | 13.15 | 162  | 336808   | 42.25 | nq    | 99       |
| 47) 2-Nitroaniline             | 13.37 | 65   | 107238   | 46.12 | nq    | 93       |
| 48) Acenaphthylene             | 14.00 | 152  | 598896   | 42.32 | nq    | 98       |
| 49) Dimethylphthalate          | 13.75 | 163  | 469534   | 46.98 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.87 | 165  | 116445   | 47.44 | nq    | 99       |
| 51) Acenaphthene               | 14.34 | 154  | 367617   | 43.53 | nq    | 98       |
| 52) 3-Nitroaniline             | 14.20 | 138  | 74806    | 24.68 | nq    | 97       |
| 53) 2,4-Dinitrophenol          | 14.42 | 184  | 105853   | 91.61 | nq    | 96       |
| 54) Dibenzofuran               | 14.68 | 168  | 549613   | 46.23 | nq    | 99       |
| 55) 4-Nitrophenol              | 14.53 | 139  | 87425    | 38.10 | nq    | 98       |
| 56) 2,4-Dinitrotoluene         | 14.66 | 165  | 170499   | 50.48 | nq    | 95       |
| 57) Fluorene                   | 15.33 | 166  | 488419   | 46.62 | nq    | 100      |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.91 | 232  | 88775    | 50.11 | nq    | 99       |
| 59) Diethylphthalate           | 15.11 | 149  | 494029   | 46.40 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 192579   | 44.77 | nq    | 99       |
| 61) 4-Nitroaniline             | 15.37 | 138  | 145188   | 41.80 | nq    | 98       |
| 62) Azobenzene                 | 15.62 | 77   | 489436   | 49.52 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.43 | 198  | 93323    | 43.07 | nq    | 92       |
| 65) n-Nitrosodiphenylamine     | 15.54 | 169  | 441634   | 41.40 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 107984   | 43.11 | nq    | 96       |
| 67) Hexachlorobenzene          | 16.34 | 284  | 112469   | 42.99 | nq    | 94       |
| 68) Atrazine                   | 16.50 | 200  | 153357   | 51.42 | nq    | 99       |
| 69) Pentachlorophenol          | 16.68 | 266  | 121615   | 89.00 | nq    | 98       |
| 70) Phenanthrene               | 17.07 | 178  | 813775   | 44.93 | nq    | 99       |
| 71) Anthracene                 | 17.16 | 178  | 805956   | 44.78 | nq    | 99       |
| 72) Carbazole                  | 17.44 | 167  | 896016   | 48.79 | nq    | 98       |
| 73) Di-n-butylphthalate        | 17.99 | 149  | 1038451  | 46.46 | nq    | 99       |
| 74) Fluoranthene               | 19.09 | 202  | 920473   | 47.17 | nq    | 99       |
| 76) Benzidine                  | 19.28 | 184  | 29600    | 2.47  | nq    | 98       |
| 77) Pyrene                     | 19.45 | 202  | 961804   | 44.27 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.35 | 149  | 530792   | 46.67 | nq    | 99       |
| 80) Benzo(a)anthracene         | 21.19 | 228  | 854663   | 43.81 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 225189   | 34.87 | nq    | 97       |
| 82) Chrysene                   | 21.24 | 228  | 817010   | 43.62 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.12 | 149  | 728420   | 46.66 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 21.99 | 149  | 1186040  | 45.75 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 25.68 | 276  | 896109   | 43.60 | nq    | 100      |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 850409   | 47.18 | nq    | 99       |
| 88) Benzo(k)fluoranthene       | 22.80 | 252  | 761066   | 43.05 | nq    | 99       |
| 89) Benzo(a)pyrene             | 23.33 | 252  | 790210   | 46.18 | nq    | 98       |
| 90) Dibenzo(a,h)anthracene     | 25.69 | 278  | 745240   | 44.82 | nq    | 98       |
| 91) Benzo(g,h,i)perylene       | 26.38 | 276  | 769857   | 45.89 | nq    | 98       |

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





#1

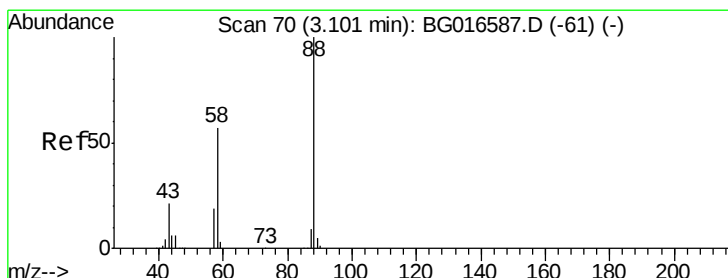
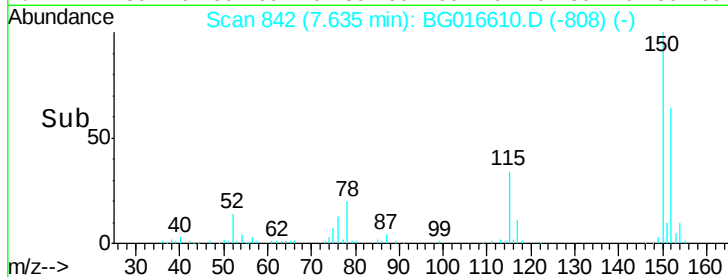
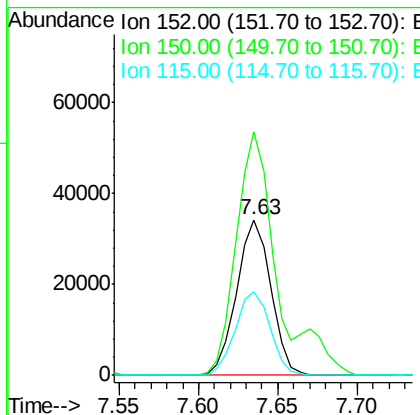
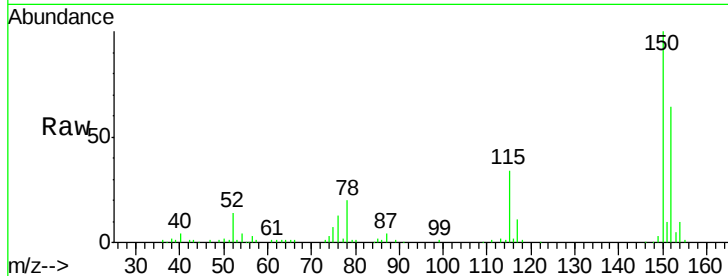
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.63 min Scan# 842  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 125.5 | 188.3 |
| 115     | 53.7  | 44.5  | 66.7  |

Manual Integrations  
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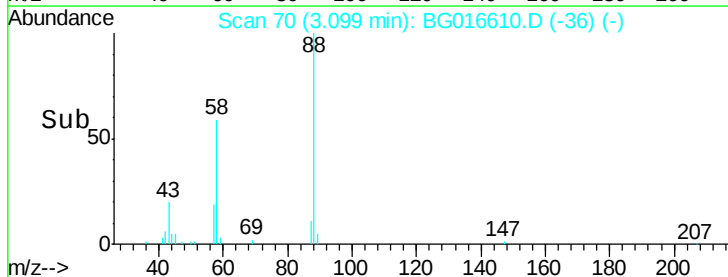
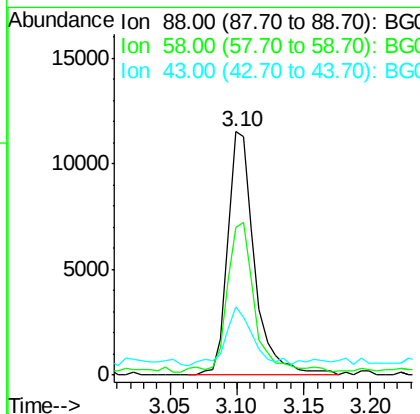
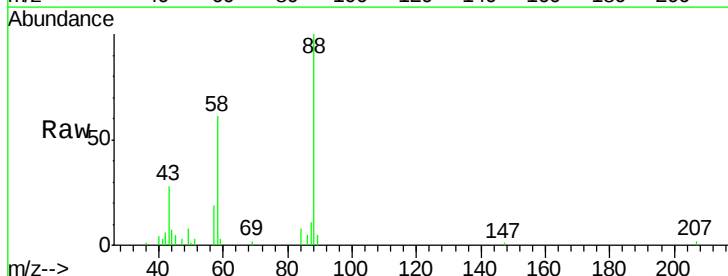
apatel  
4/22/2015 5:21:20 PM

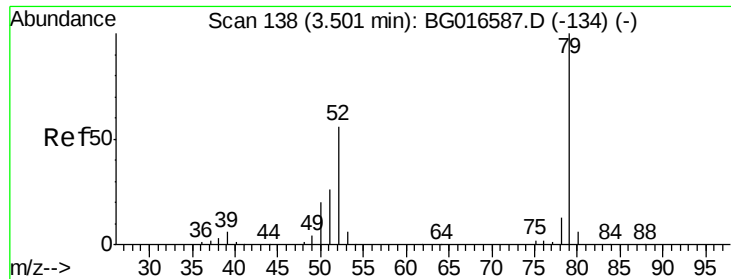


#2

1,4-Dioxane  
Concen: 11.38 ng  
RT: 3.10 min Scan# 70  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 62.1  | 46.0  | 69.0  |
| 43      | 25.1  | 16.2  | 24.4  |





#3

Pvridine

Concen: 2.05 ng

RT: 3.52 min Scan# 141

Delta R.T. 0.02 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

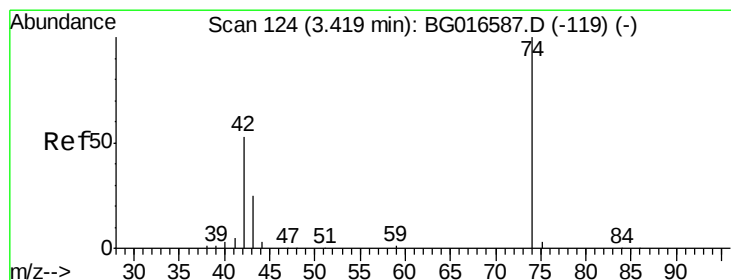
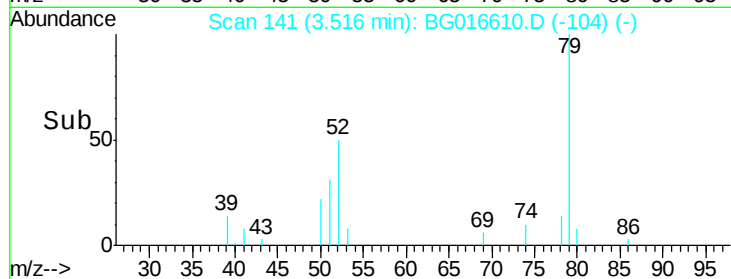
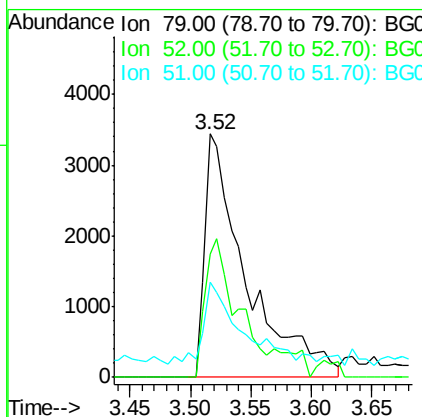
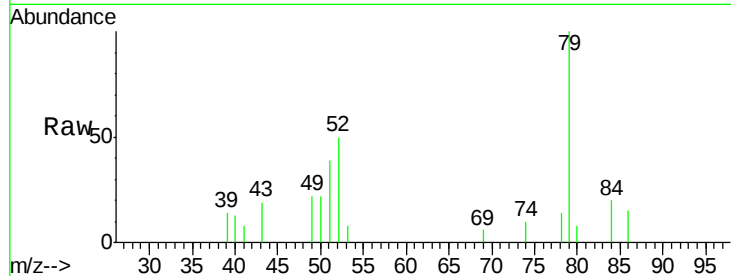
ClientSampleId :

S8-0437MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 8152  |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 50.4  | 45.0  | 67.4  |
| 51       | 39.0  | 21.4  | 32.0# |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 11.54 ng

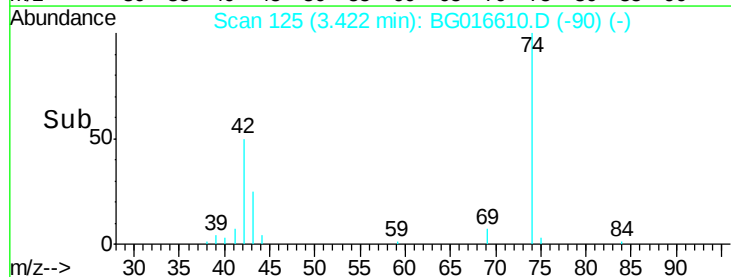
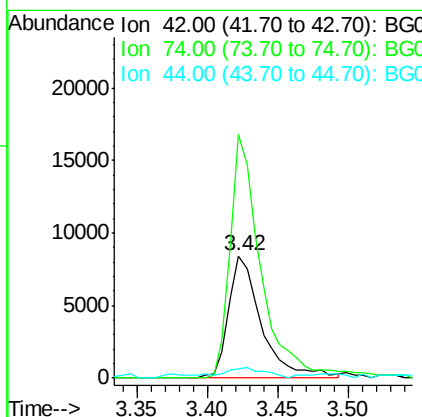
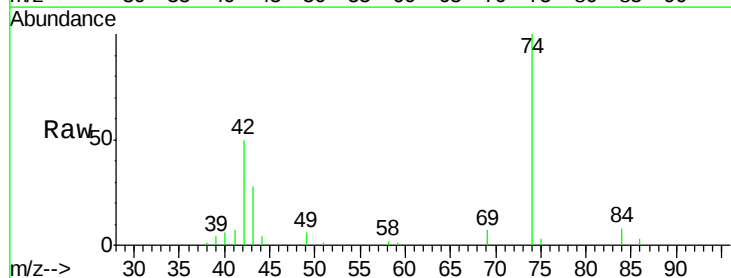
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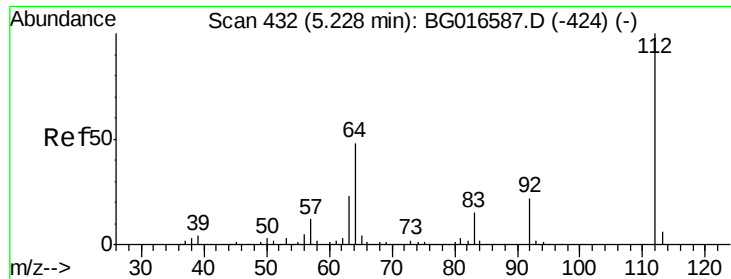
Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 13730 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 199.4 | 151.6 | 227.4 |
| 44       | 7.6   | 4.9   | 7.3#  |





#5

2-Fluorophenol

Concen: 60.77 ng

RT: 5.23 min Scan# 432

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

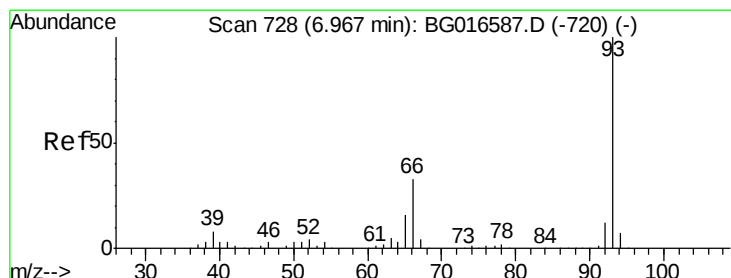
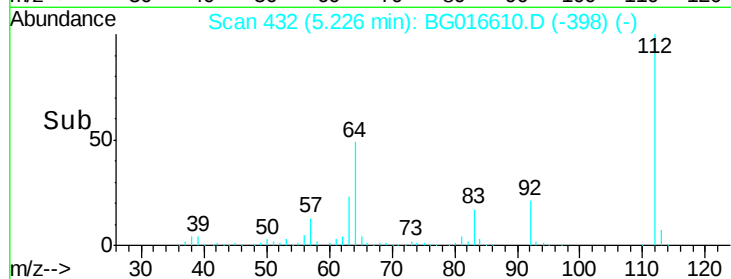
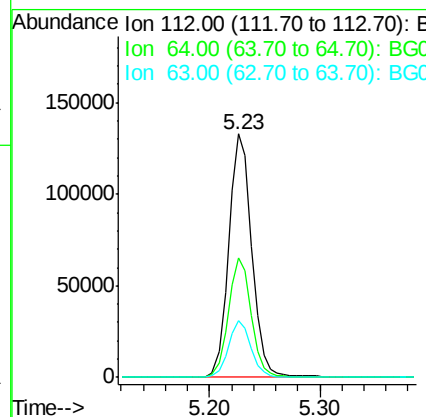
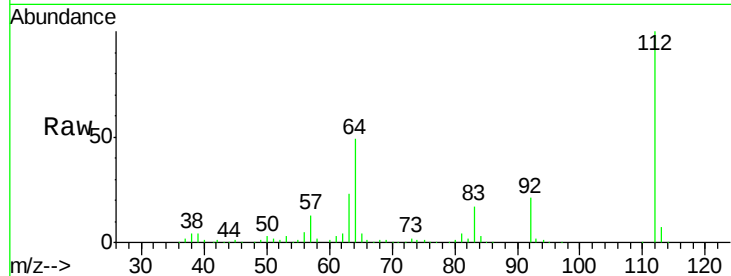
ClientSampleId :

S8-0437MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 194221 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 48.9  | 38.5  | 57.7   |
| 63        | 23.3  | 18.2  | 27.4   |

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#6

Aniline

Concen: 5.38 ng

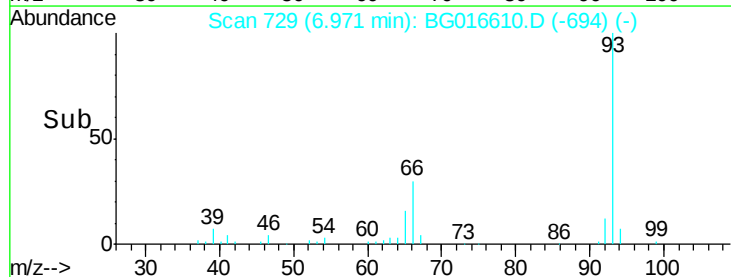
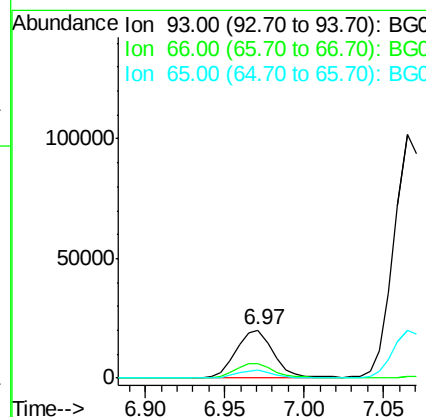
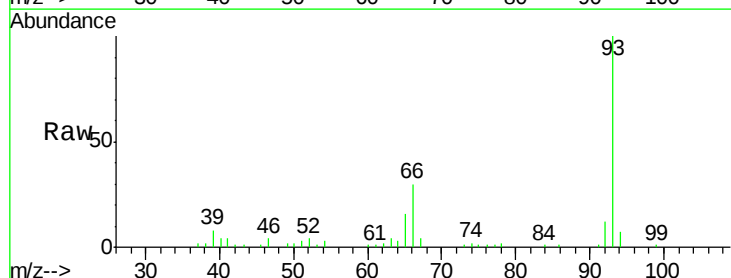
RT: 6.97 min Scan# 729

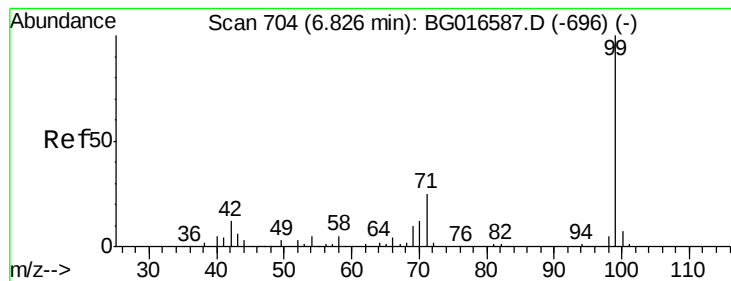
Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 33162 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 29.9  | 26.1  | 39.1  |
| 65        | 16.2  | 13.0  | 19.6  |





#7

Phenol-d6

Concen: 38.21 ng

RT: 6.82 min Scan# 704

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

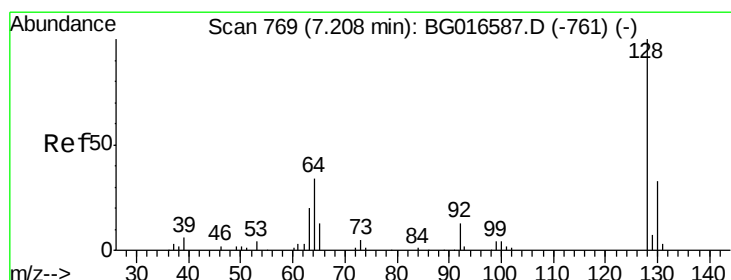
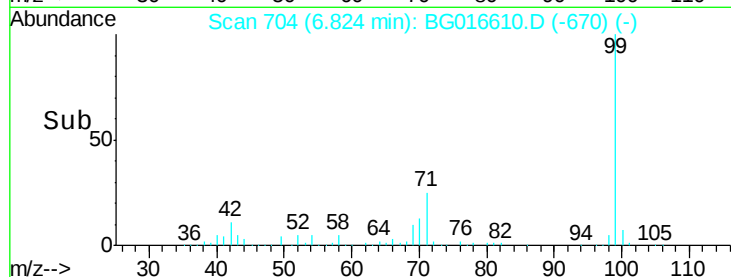
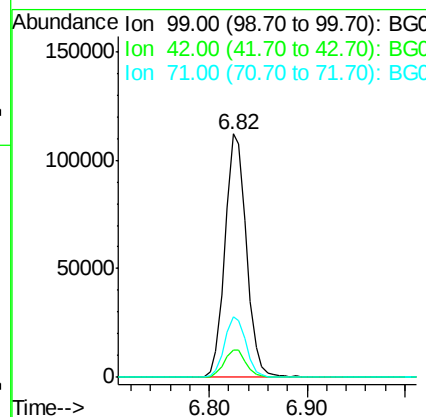
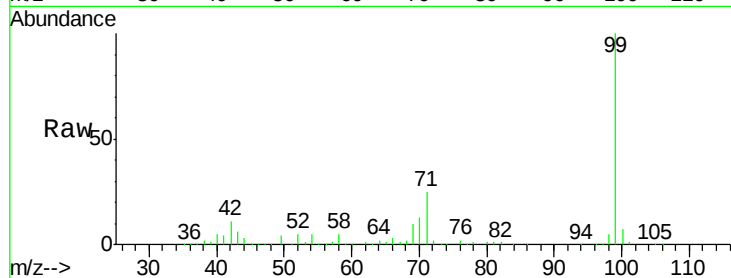
ClientSampleId :

S8-0437MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 99      | 100  |       | 170618 |       |       |
| 42      | 11.4 | 9.5   | 14.3   |       |       |
| 71      | 24.6 | 20.2  | 30.2   |       |       |

Manual Integrations  
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apatel  
4/22/2015 5:21:20 PM



#8

2-Chlorophenol

Concen: 35.16 ng

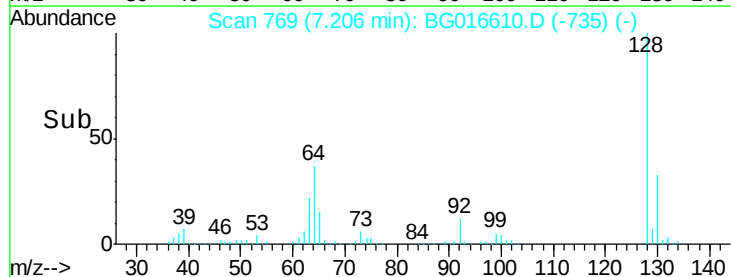
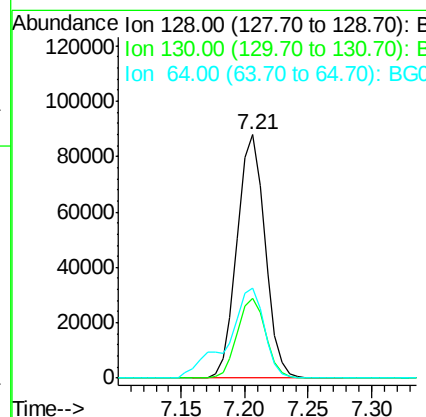
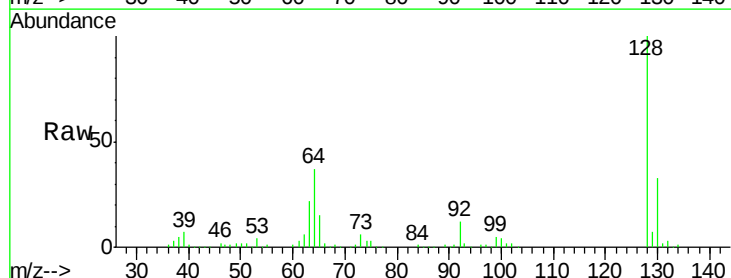
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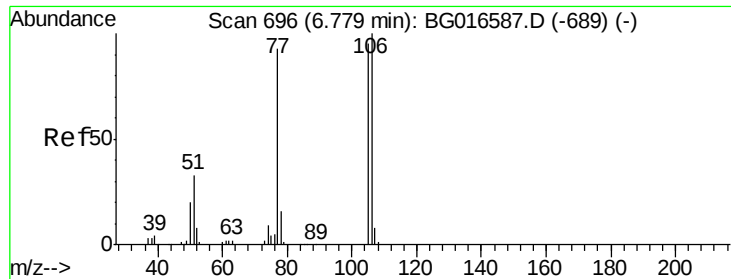
Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 128     | 100  |       | 134140 |       |       |
| 130     | 32.8 | 13.5  | 53.5   |       |       |
| 64      | 37.1 | 17.9  | 57.9   |       |       |





#9

Benzaldehyde

Concen: 12.24 ng

RT: 6.78 min Scan# 696

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

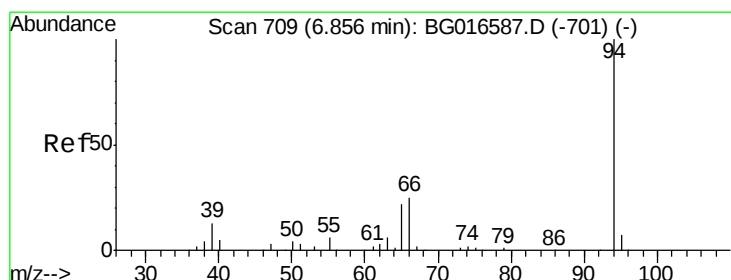
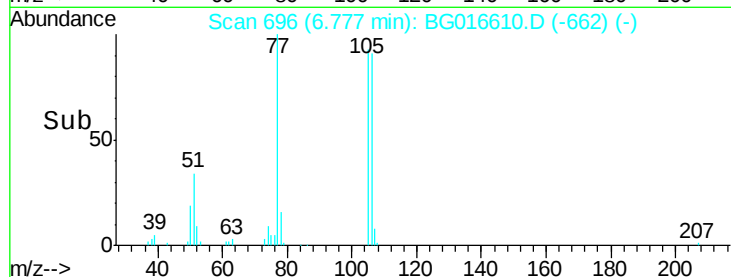
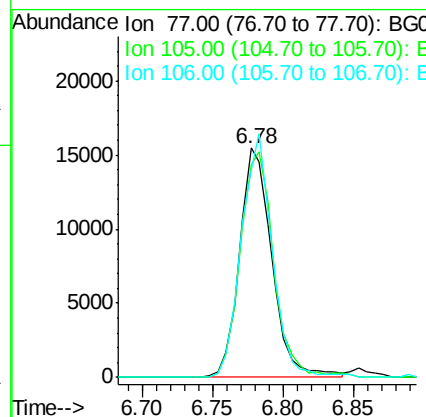
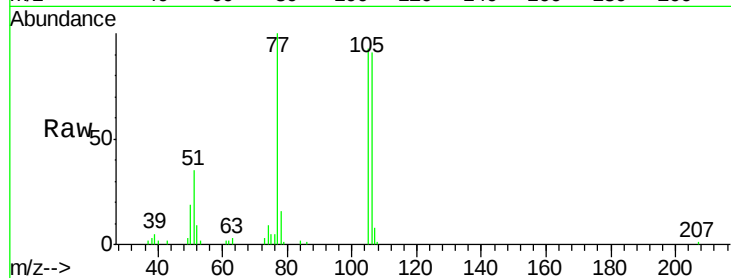
ClientSampleId :

S8-0437MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 77    | Resp: | 24867 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 93.0  | 81.6  | 121.6 |
| 106      | 90.9  | 87.4  | 127.4 |

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#10

Phenol

Concen: 14.05 ng

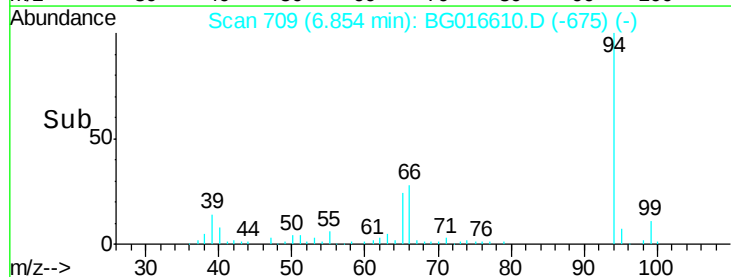
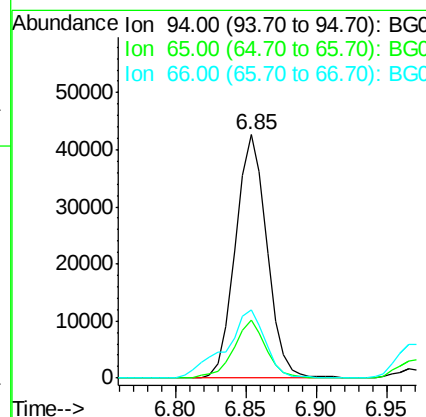
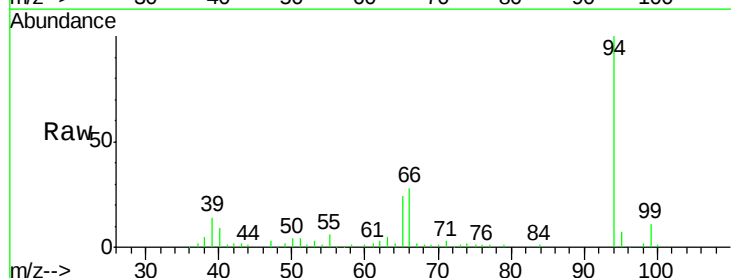
RT: 6.85 min Scan# 709

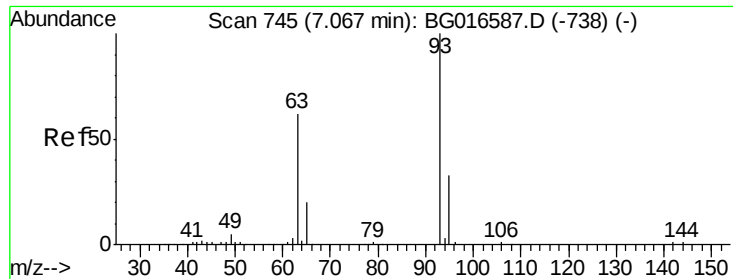
Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 94    | Resp: | 66350 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 23.8  | 2.6   | 42.6  |
| 66       | 27.8  | 6.3   | 46.3  |





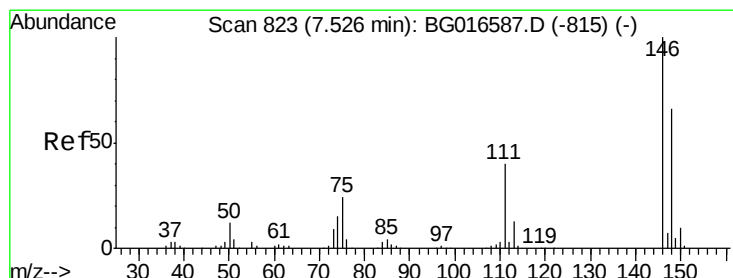
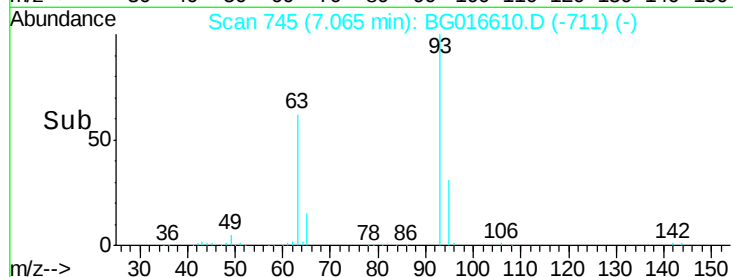
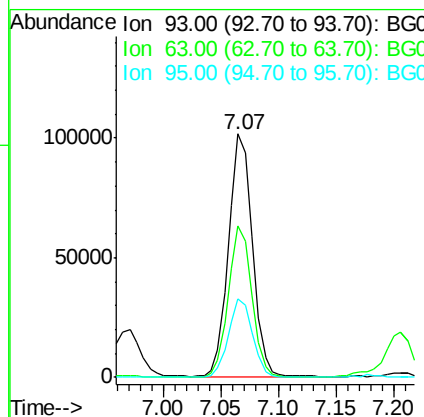
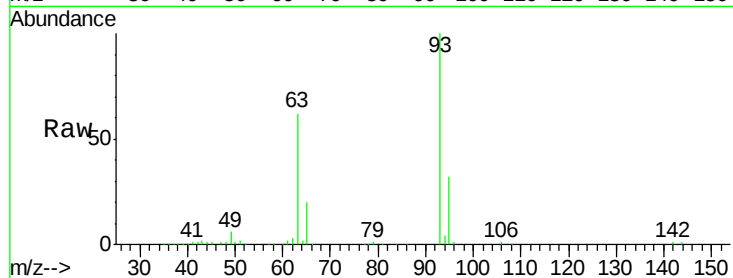
#11  
bis(2-Chloroethyl)ether  
Concen: 39.90 ng  
RT: 7.07 min Scan# 745  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampled :  
S8-0437MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 147536 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 62.4  | 42.0  | 82.0   |
| 95        | 32.3  | 12.6  | 52.6   |

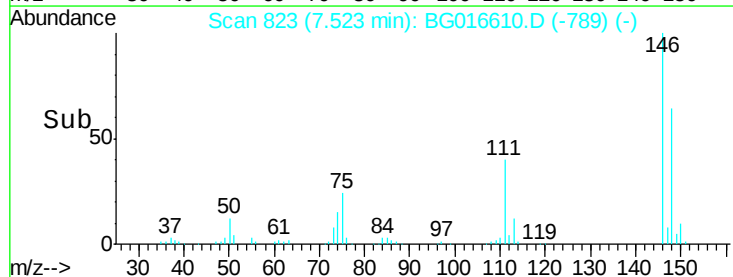
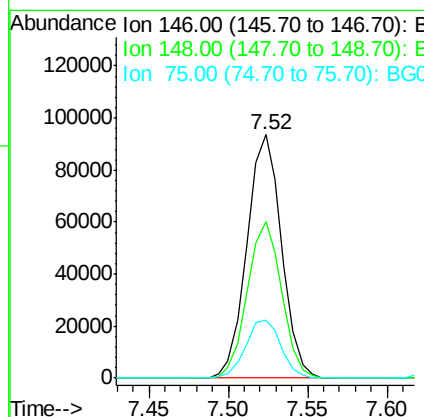
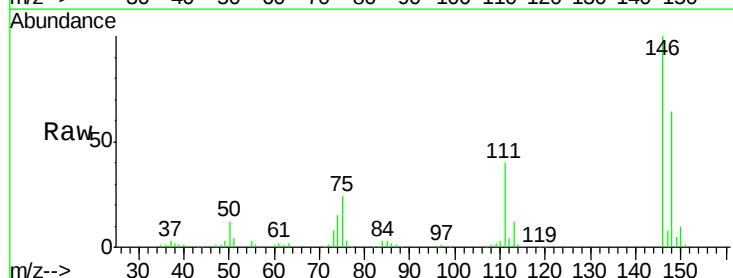
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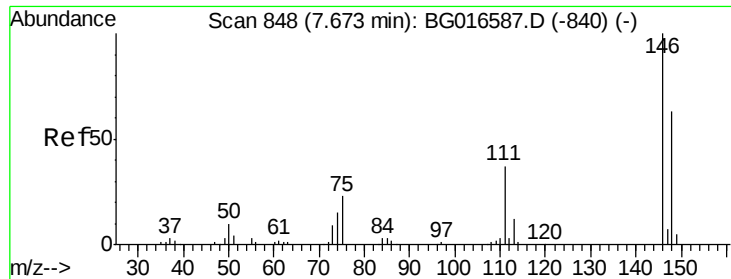
apatel  
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#12  
1,3-Dichlorobenzene  
Concen: 35.55 ng  
RT: 7.52 min Scan# 823  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 141599 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.0  | 52.6  | 79.0   |
| 75        | 24.1  | 19.5  | 29.3   |





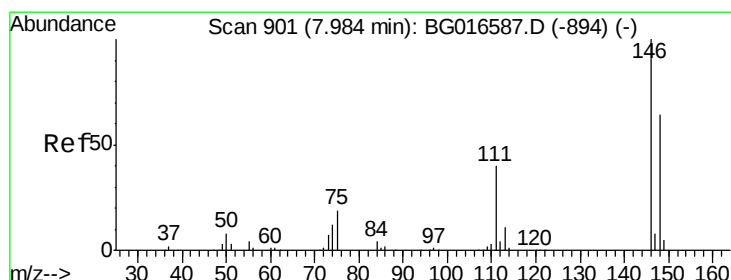
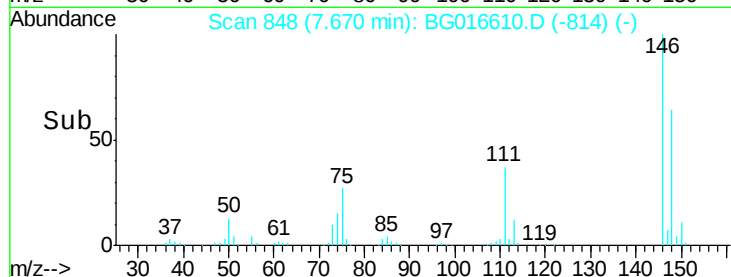
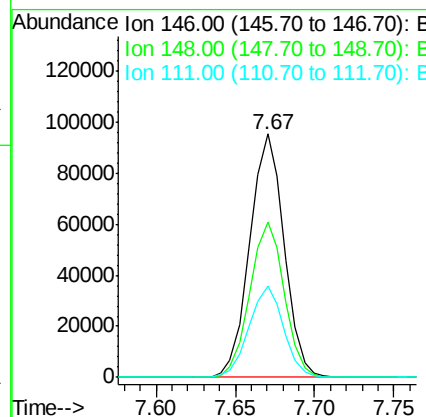
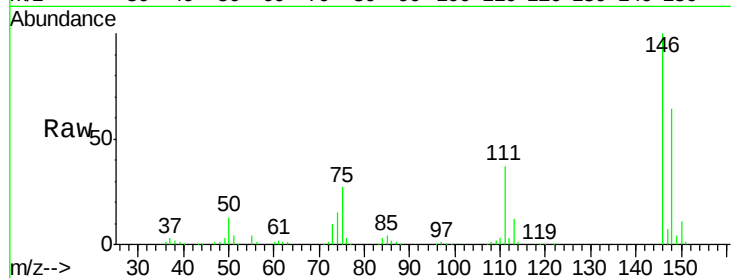
#13  
 1,4-Dichlorobenzene  
 Concen: 35.44 ng  
 RT: 7.67 min Scan# 848  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleID :  
 S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.8  | 50.5  | 75.7  |
| 111     | 37.4  | 29.6  | 44.4  |

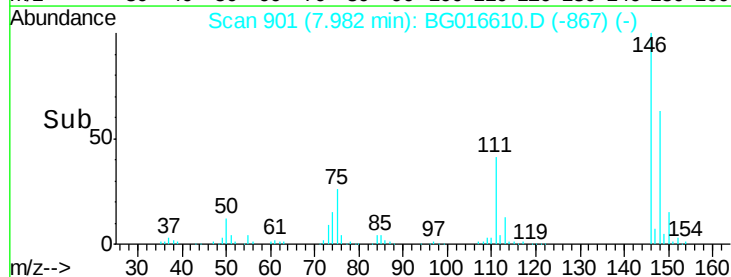
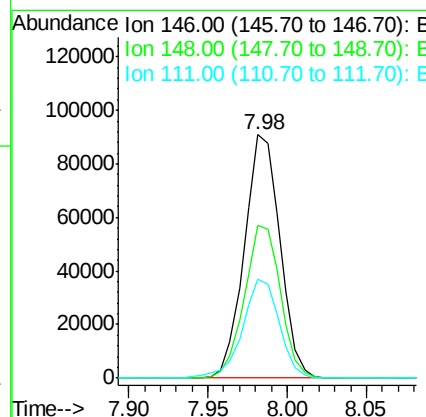
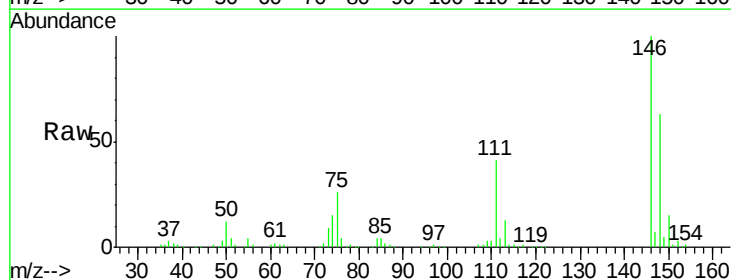
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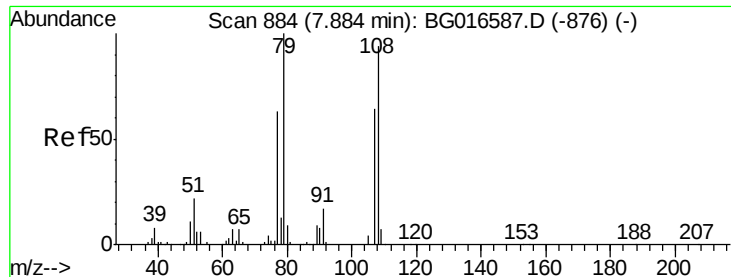
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#14  
 1,2-Dichlorobenzene  
 Concen: 36.74 ng  
 RT: 7.98 min Scan# 901  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.6  | 51.4  | 77.2  |
| 111     | 40.5  | 32.6  | 48.8  |





#15

Benzyl Alcohol

Concen: 19.82 ng

RT: 7.88 min Scan# 884

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

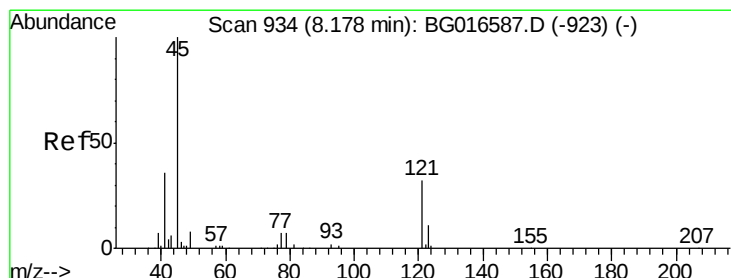
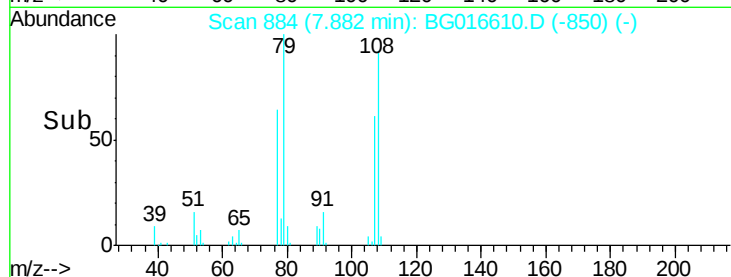
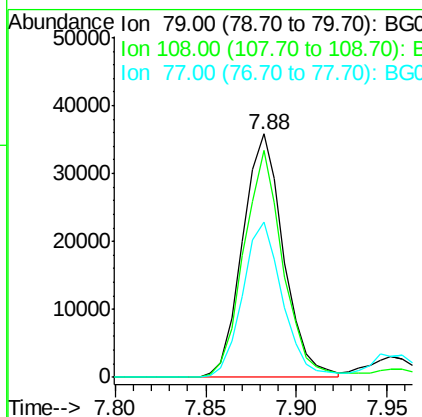
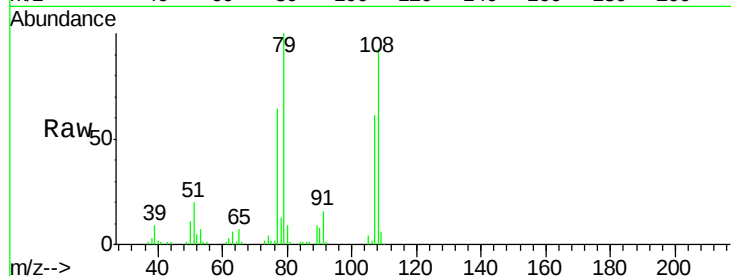
ClientSampleId :

S8-0437MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 56329 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 108       | 93.2  | 74.8  | 112.2 |
| 77        | 63.7  | 50.0  | 75.0  |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 41.31 ng

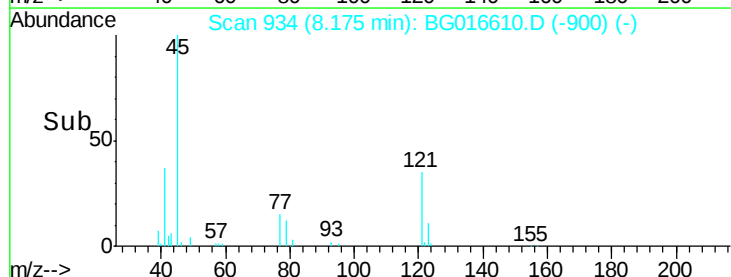
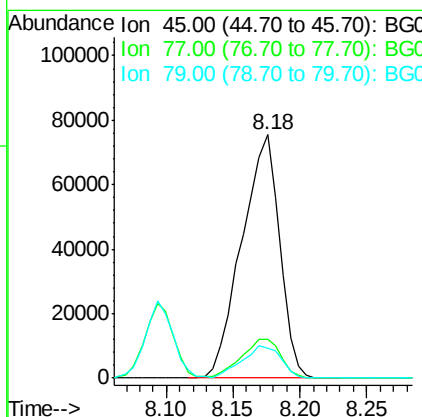
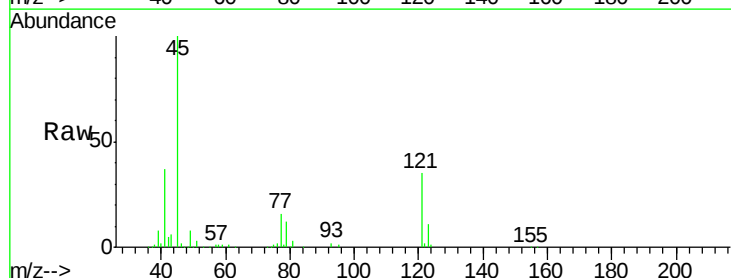
RT: 8.18 min Scan# 934

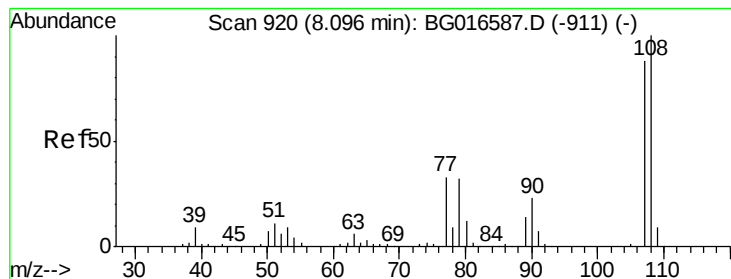
Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 147919 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 16.0  | 0.0   | 35.7   |
| 79        | 12.5  | 0.0   | 34.3   |





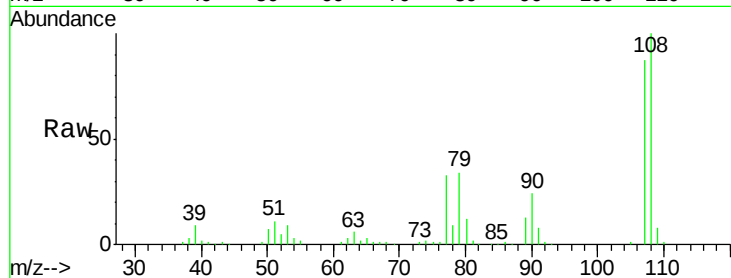
#17  
2-Methylphenol  
Concen: 29.81 ng  
RT: 8.09 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

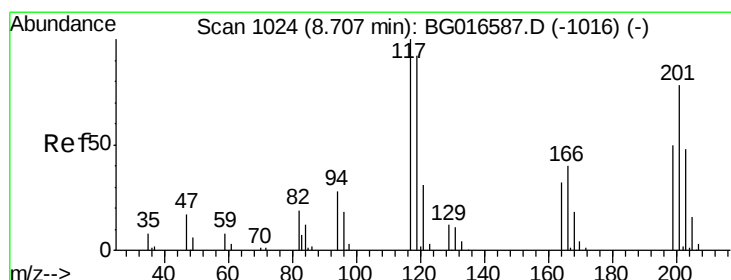
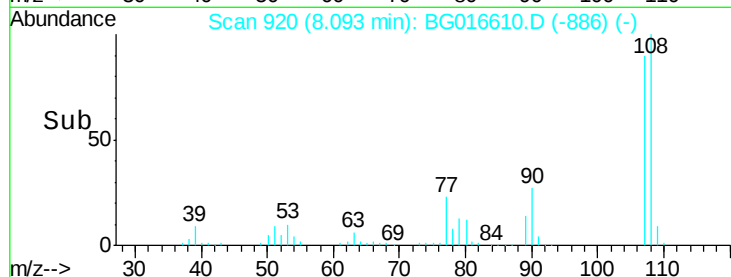
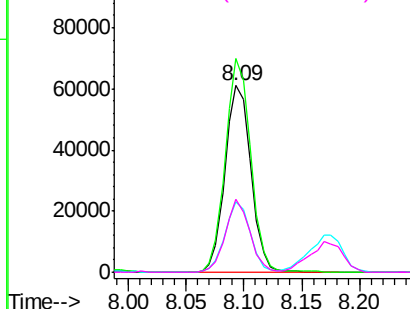
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 94897 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 114.3 | 91.6  | 137.4 |
| 77       | 37.9  | 30.2  | 45.4  |
| 79       | 39.1  | 29.4  | 44.2  |

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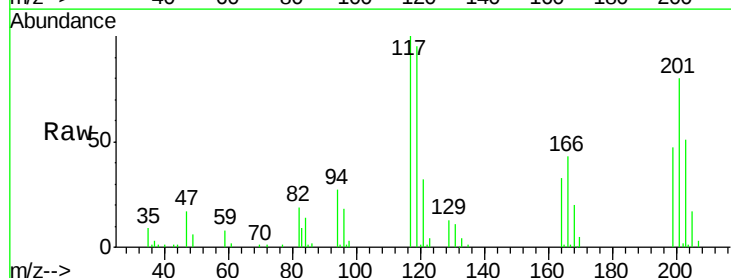


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

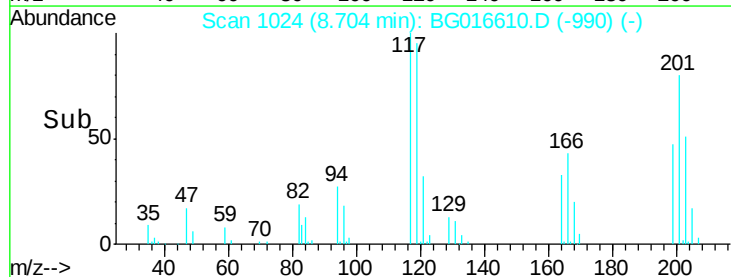
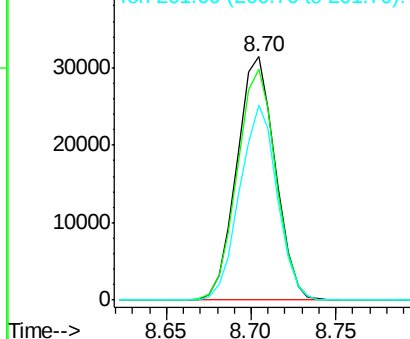


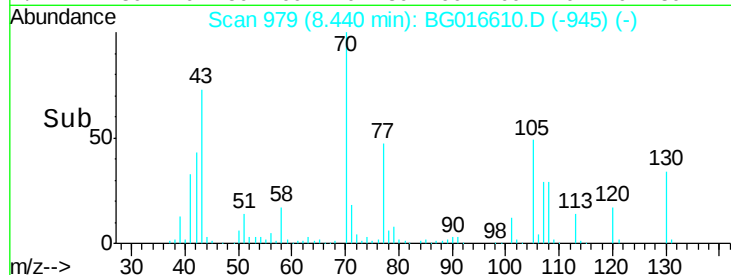
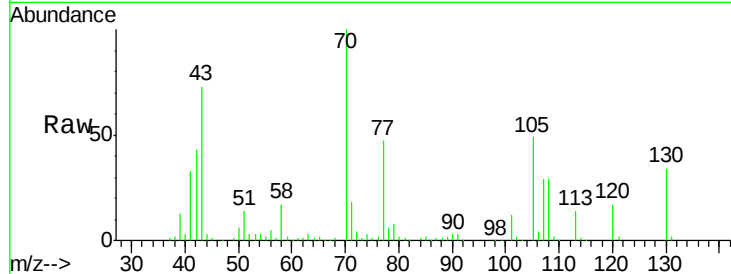
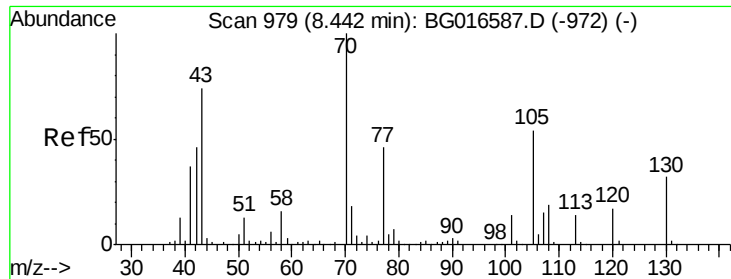
#18  
Hexachloroethane  
Concen: 34.19 ng  
RT: 8.70 min Scan# 1024  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 49786 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 94.6  | 73.8  | 110.8 |
| 201      | 79.8  | 62.2  | 93.2  |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





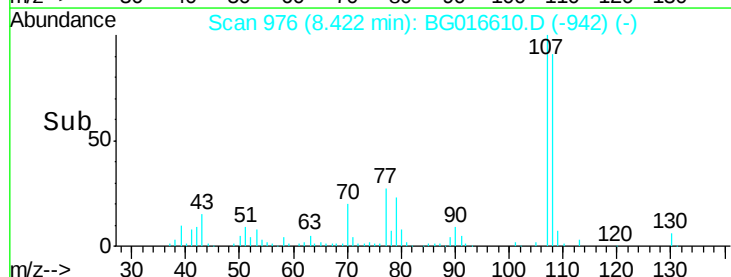
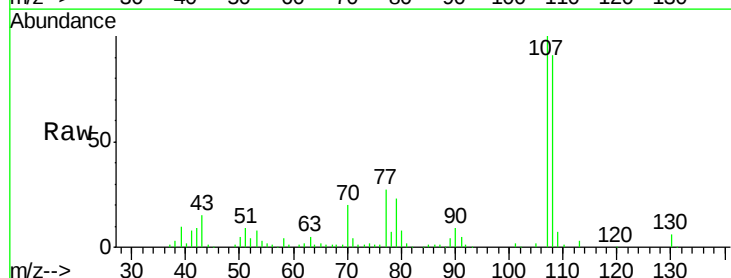
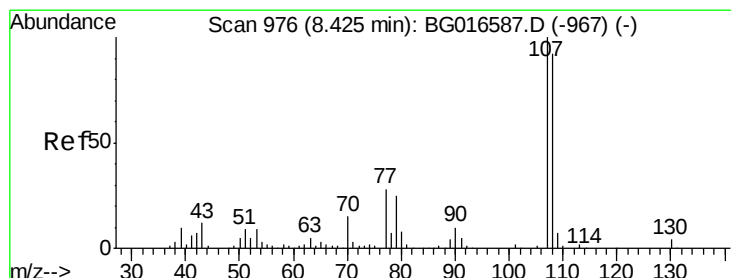
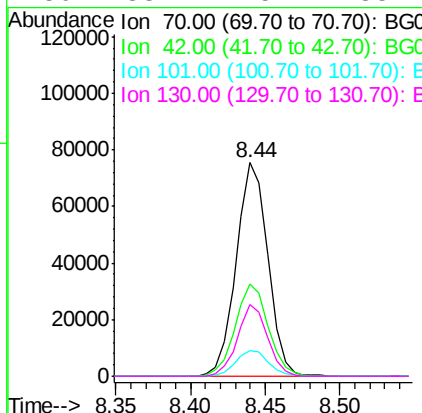
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.52 ng  
RT: 8.44 min Scan# 979  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 43.5  | 36.9  | 55.3  |
| 101     | 11.9  | 10.8  | 16.2  |
| 130     | 33.7  | 25.4  | 38.2  |

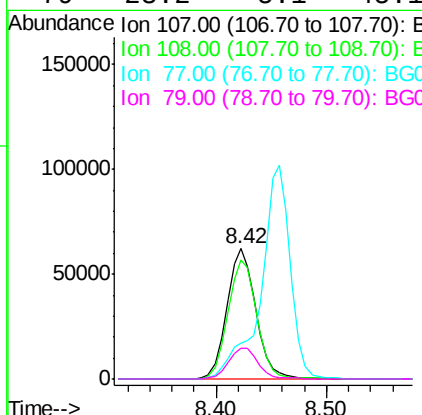
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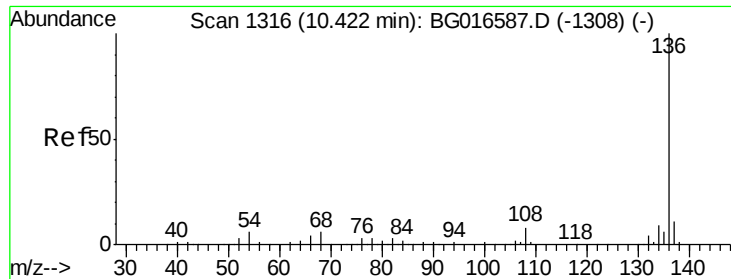
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#20  
3+4-Methylphenols  
Concen: 25.86 ng  
RT: 8.42 min Scan# 976  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 91.2  | 71.6  | 111.6 |
| 77      | 27.4  | 7.6   | 47.6  |
| 79      | 23.2  | 5.1   | 45.1  |





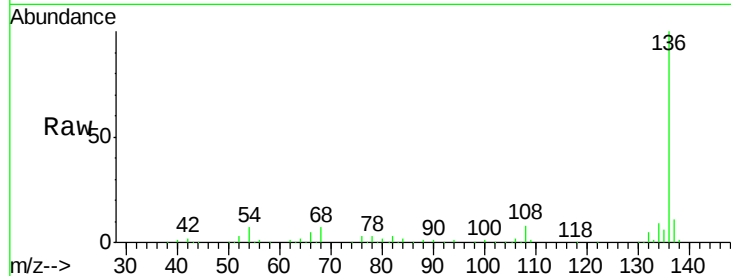
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.42 min Scan# 1316  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

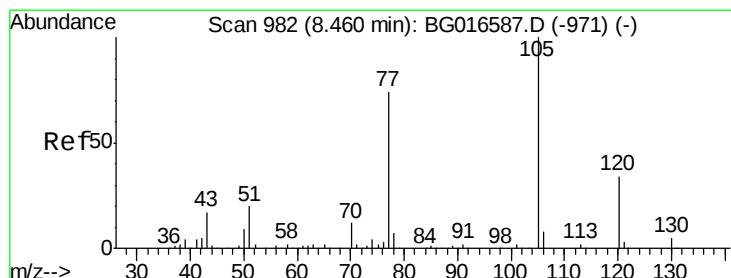
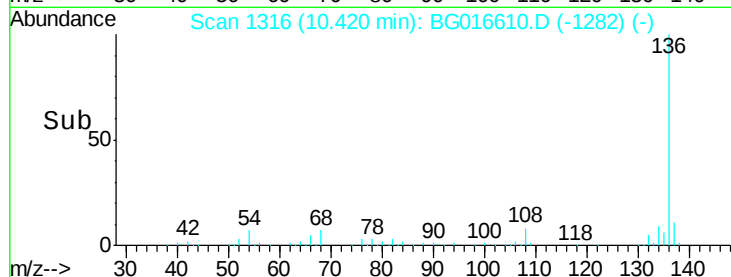
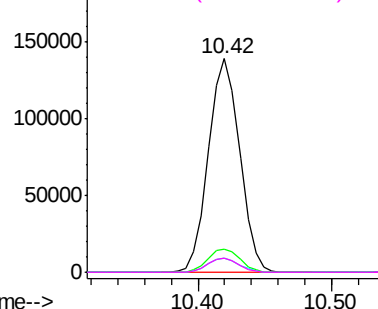
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 225298 |       |       |
| 137     | 10.5 |       | 8.8    | 13.2  |       |
| 54      | 6.5  |       | 4.9    | 7.3   |       |
| 68      | 6.6  |       | 4.9    | 7.3   |       |

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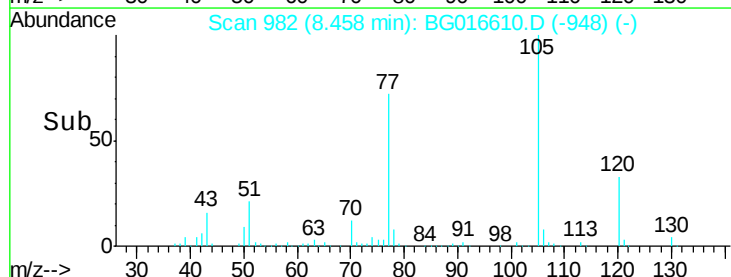
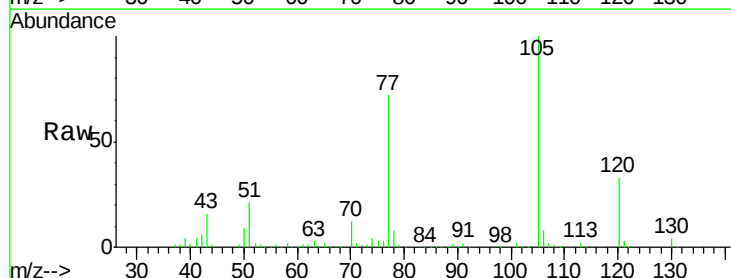
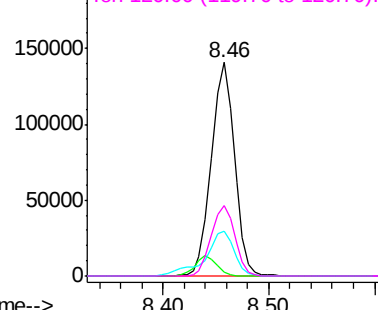
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

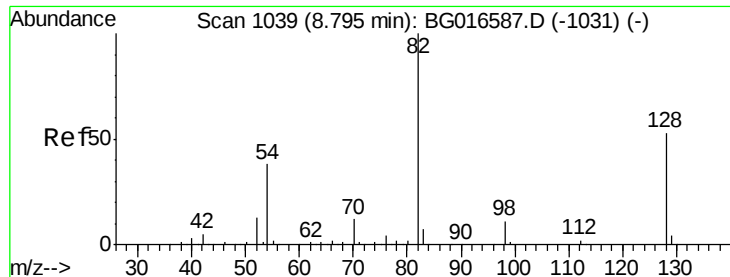


#22  
Acetophenone  
Concen: 42.57 ng  
RT: 8.46 min Scan# 982  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 213613 |       |       |
| 71      | 1.9  |       | 1.8    | 2.6   |       |
| 51      | 20.7 |       | 16.5   | 24.7  |       |
| 120     | 33.2 |       | 26.8   | 40.2  |       |

Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC  
Ion 120.00 (119.70 to 120.70): E





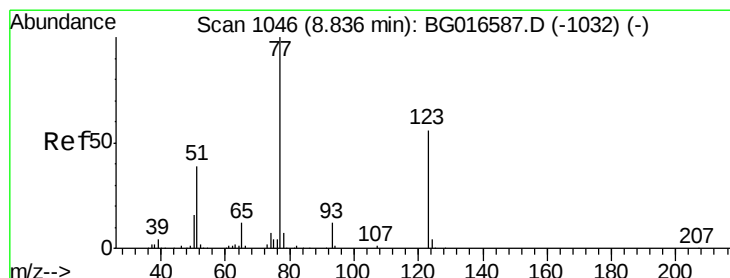
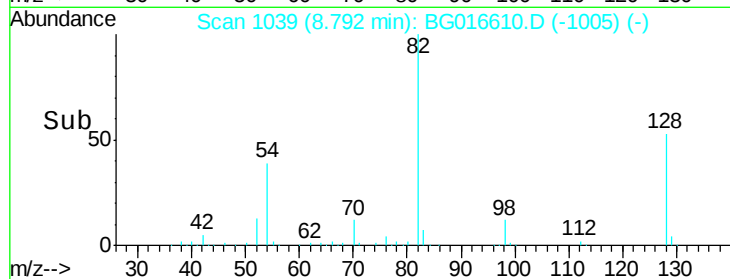
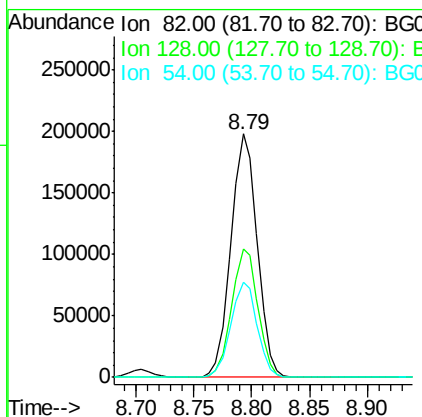
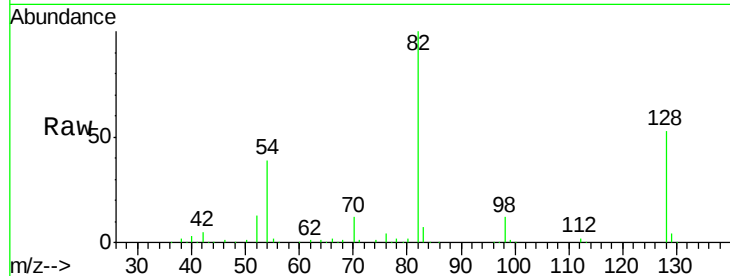
#23  
 Nitrobenzene-d5  
 Concen: 85.23 ng  
 RT: 8.79 min Scan# 1039  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 53.0  | 42.7 | 64.1  |       |
| 54      | 39.3  | 30.6 | 45.8  |       |

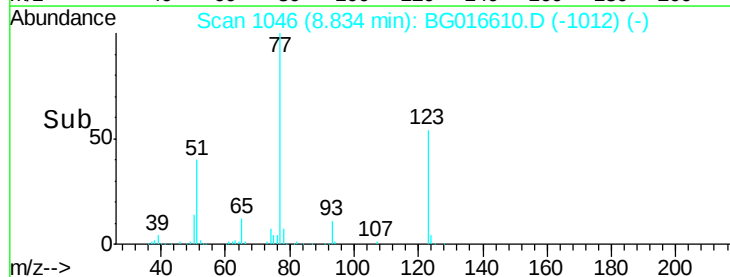
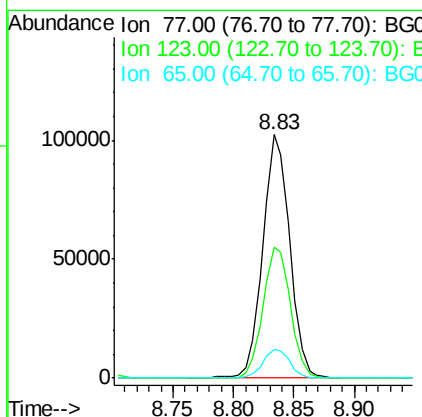
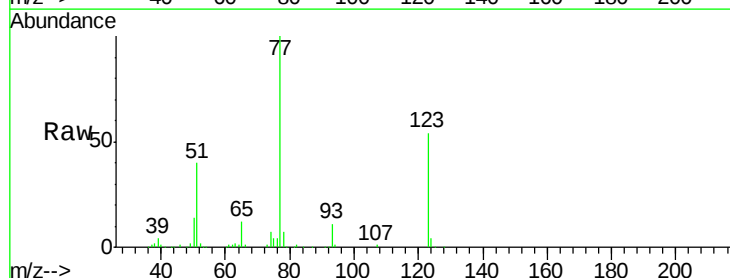
Manual Integrations  
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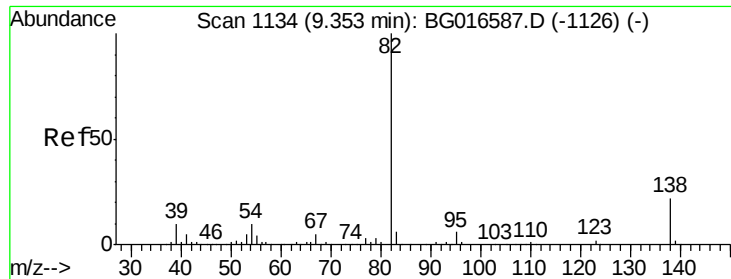
apatel  
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#24  
 Nitrobenzene  
 Concen: 41.85 ng  
 RT: 8.83 min Scan# 1046  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 53.7  | 44.8 | 67.2  |       |
| 65      | 11.8  | 9.8  | 14.6  |       |





#25

Isophorone

Concen: 41.37 ng

RT: 9.36 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

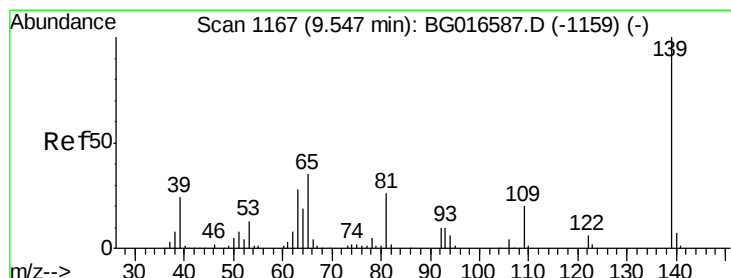
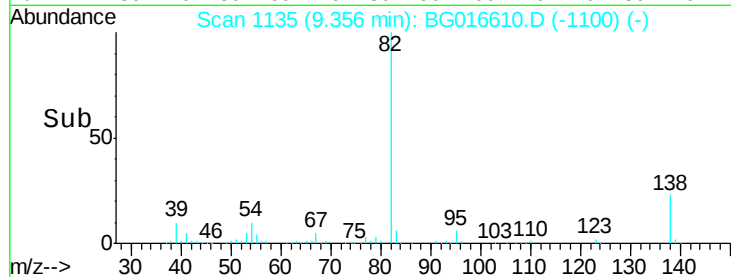
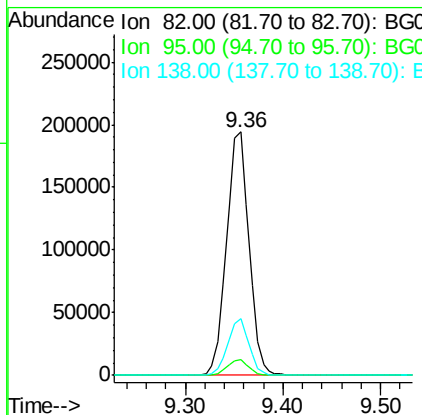
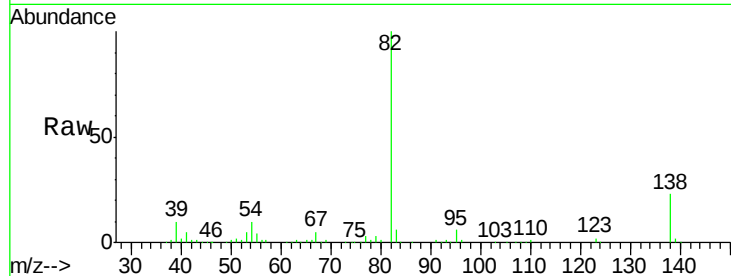
ClientSampleId :

S8-0437MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 309900 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.3   | 4.9   | 7.3    |
| 138       | 23.3  | 17.7  | 26.5   |

Manual Integrations  
APPROVED

apatel  
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#26

2-Nitrophenol

Concen: 43.26 ng

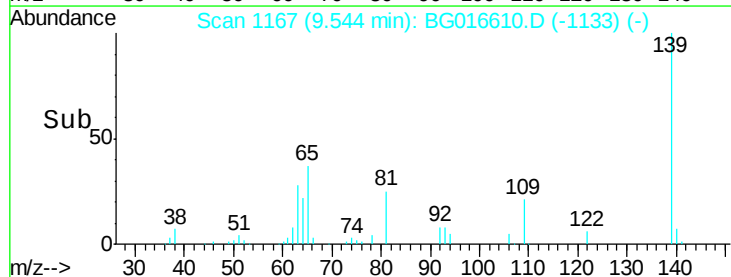
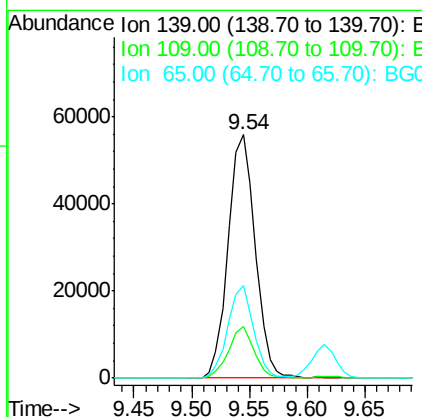
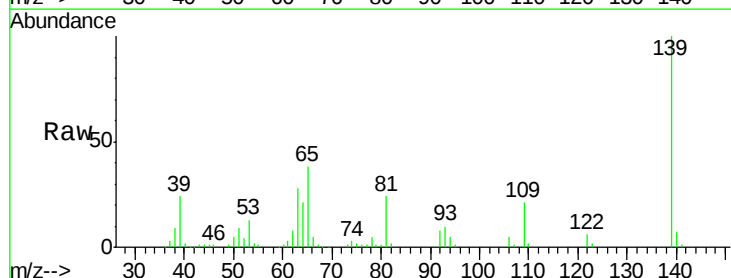
RT: 9.54 min Scan# 1167

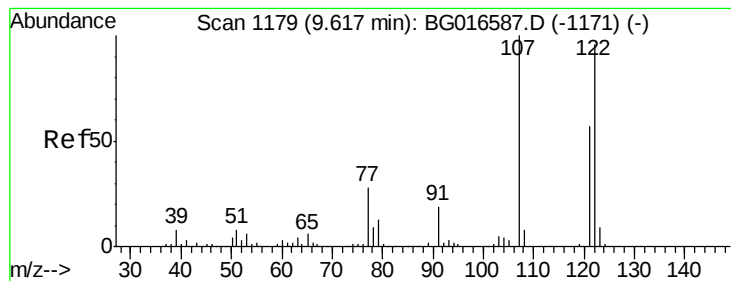
Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 90953 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 21.1  | 16.2  | 24.2  |
| 65        | 38.1  | 28.2  | 42.4  |





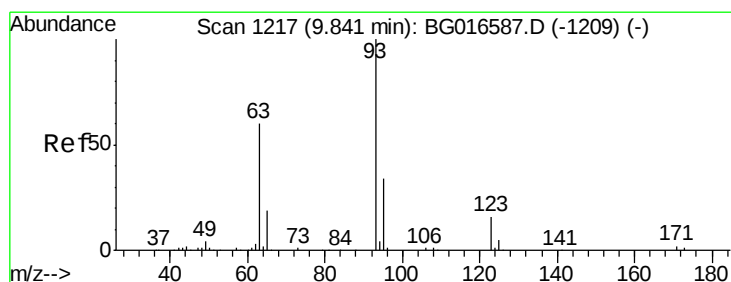
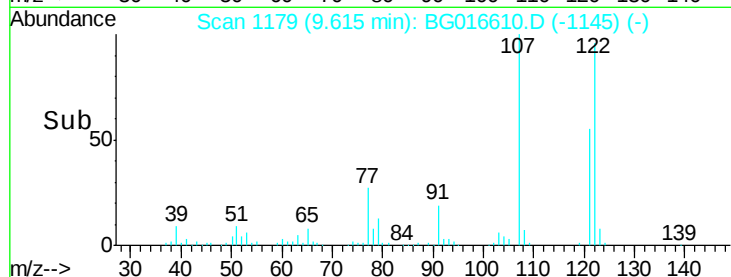
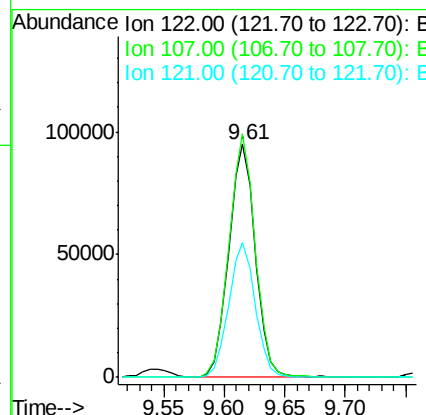
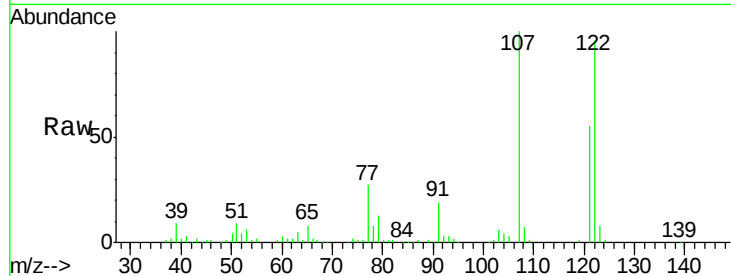
#27  
2,4-Dimethylphenol  
Concen: 40.47 ng  
RT: 9.61 min Scan# 1179  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 144687 |       |       |
| 107     | 104.6 | 82.9   | 124.3 |       |
| 121     | 57.9  | 47.0   | 70.4  |       |

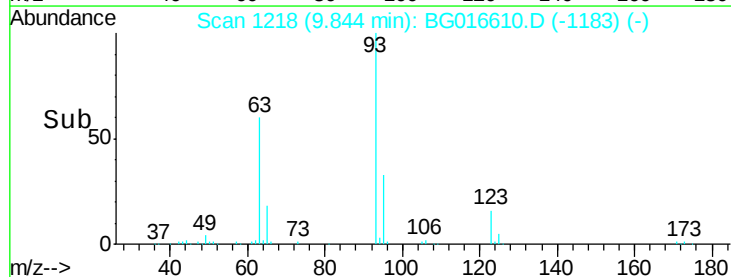
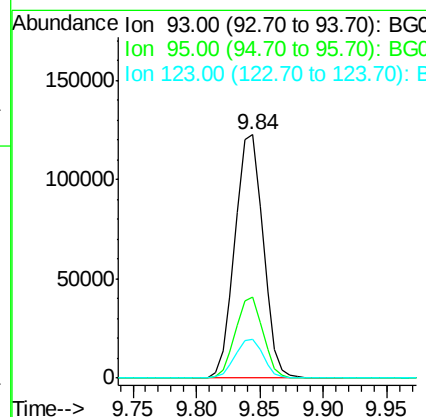
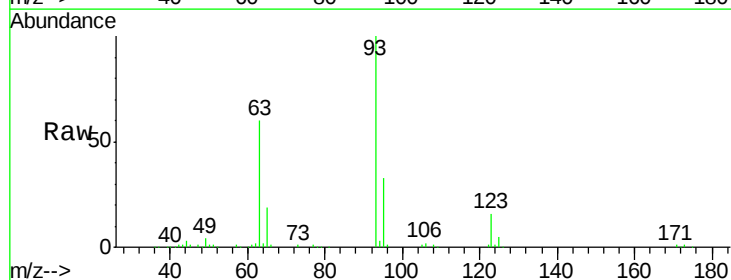
Manual Integrations  
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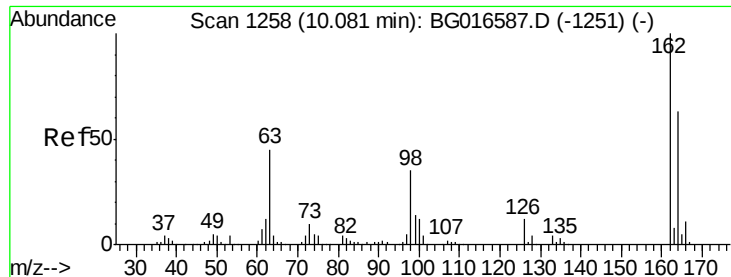
apatel  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 42.13 ng  
RT: 9.84 min Scan# 1218  
Delta R.T. 0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 189244 |       |       |
| 95      | 33.1  | 26.9   | 40.3  |       |
| 123     | 15.9  | 13.0   | 19.6  |       |





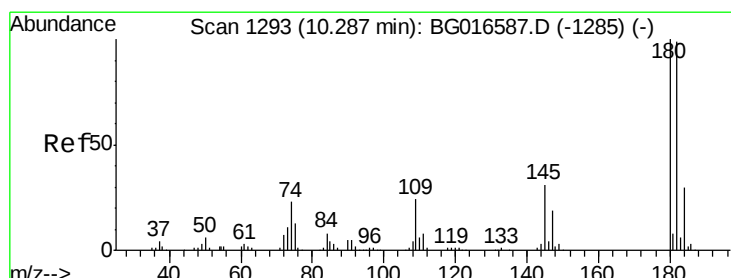
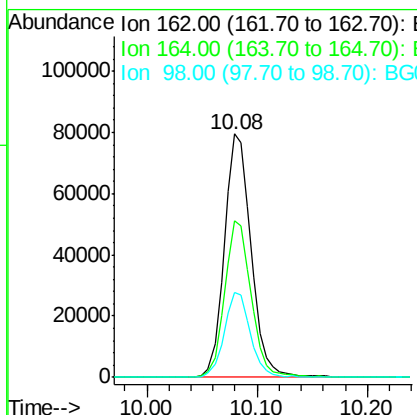
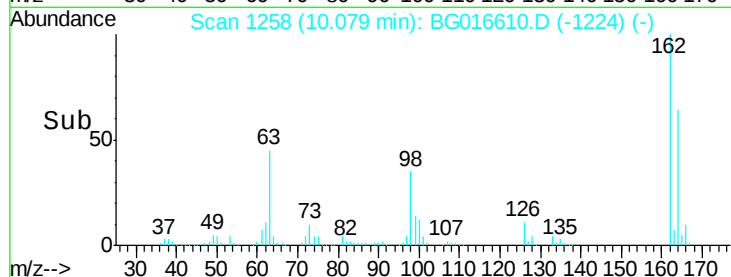
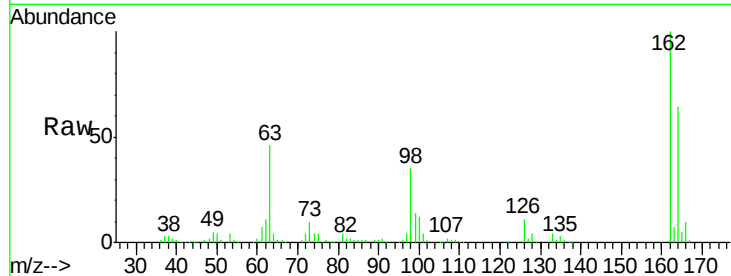
#29  
 2,4-Dichlorophenol  
 Concen: 45.62 ng  
 RT: 10.08 min Scan# 1258  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampled :  
 S8-0437MS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 162     | 100   |            |            |
| 164     | 64.3  | 42.6       | 82.6       |
| 98      | 34.9  | 15.1       | 55.1       |

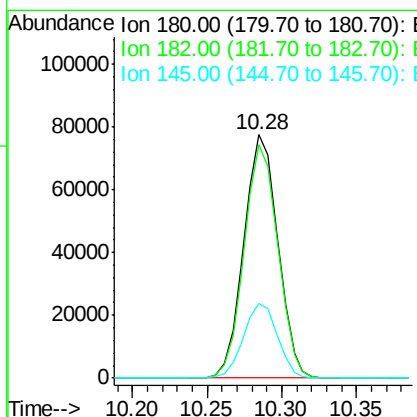
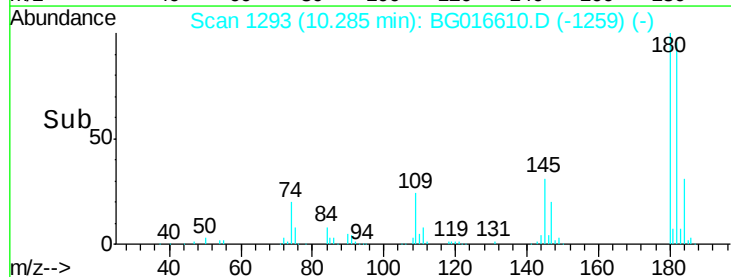
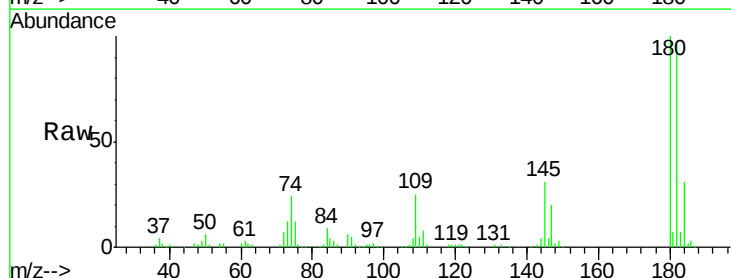
Manual Integrations  
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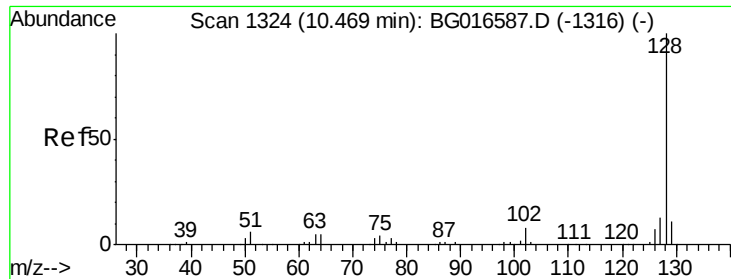
apatel  
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.77 ng  
 RT: 10.28 min Scan# 1293  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 180     | 100   |            |            |
| 182     | 95.9  | 78.9       | 118.3      |
| 145     | 30.7  | 24.8       | 37.2       |





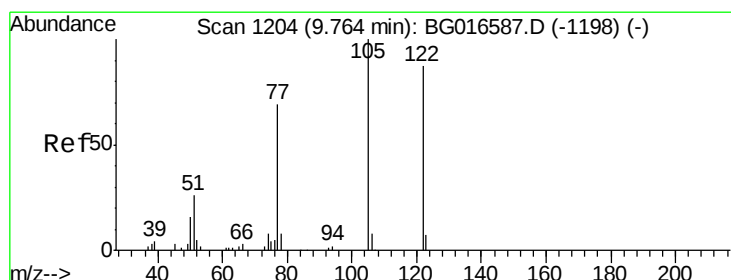
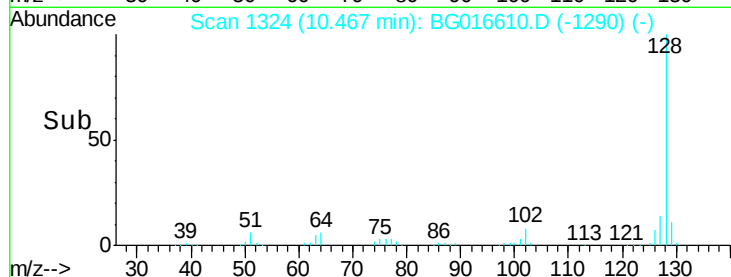
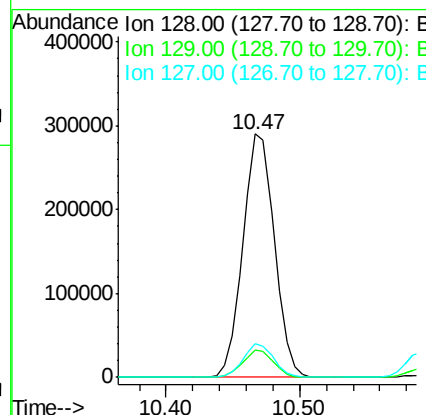
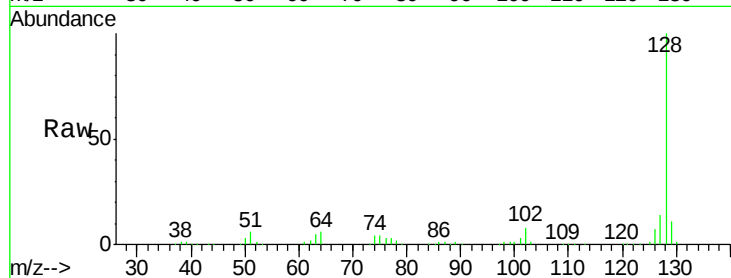
#31  
Naphthalene  
Concen: 40.14 ng  
RT: 10.47 min Scan# 1324  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 128     | 100   |      |       |       |
| 129     | 11.2  | 9.2  | 13.8  |       |
| 127     | 13.8  | 10.6 | 16.0  |       |

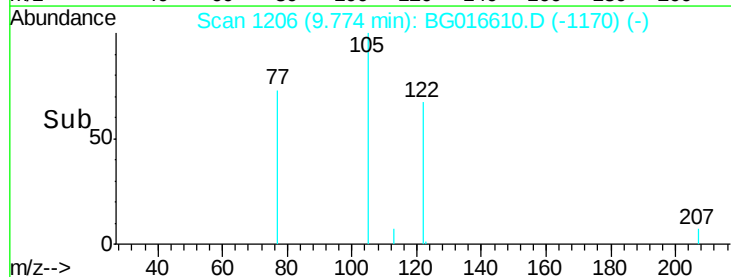
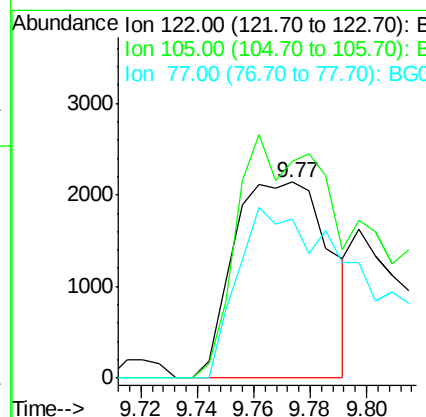
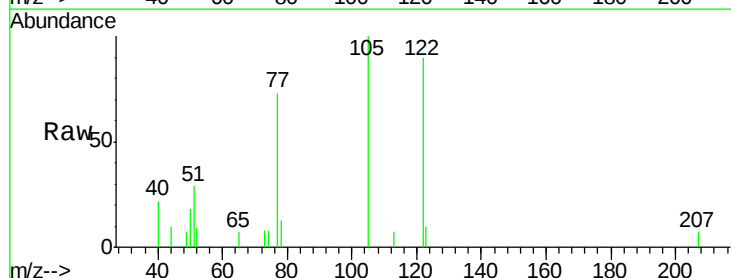
Manual Integrations  
APPROVED

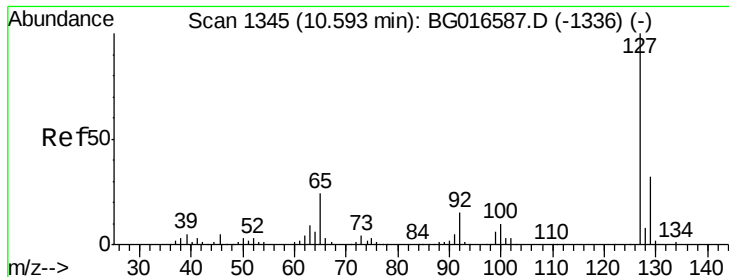
apatel  
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#32  
Benzoic acid  
Concen: 11.41 ng  
RT: 9.77 min Scan# 1206  
Delta R.T. 0.01 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 122     | 100   |      |       |       |
| 105     | 110.8 | 95.5 | 135.5 |       |
| 77      | 81.2  | 60.2 | 100.2 |       |





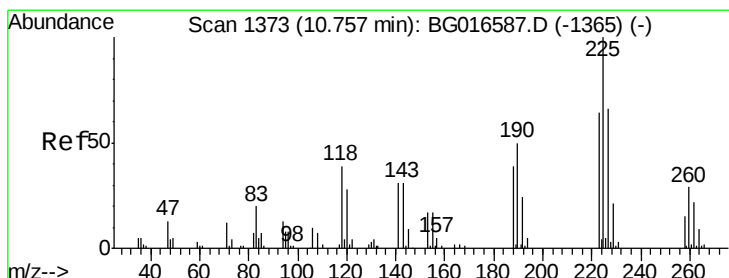
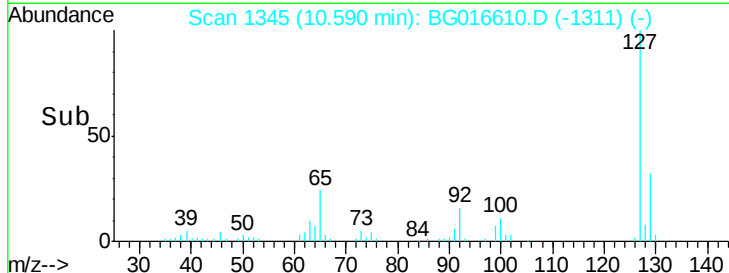
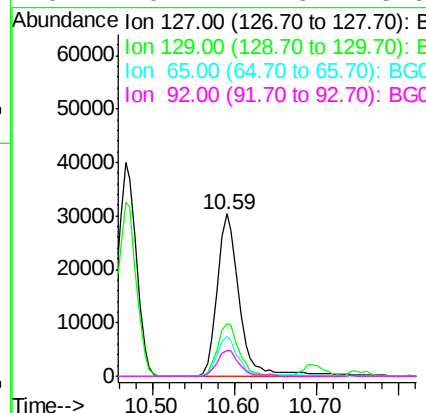
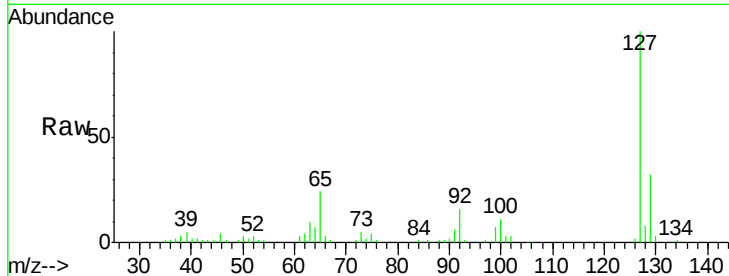
#33  
4-Chloroaniline  
Concen: 10.71 ng  
RT: 10.59 min Scan# 1345  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.5 | 25.4  | 38.0 |       |       |
| 65      | 24.3 | 19.0  | 28.4 |       |       |
| 92      | 16.1 | 12.3  | 18.5 |       |       |

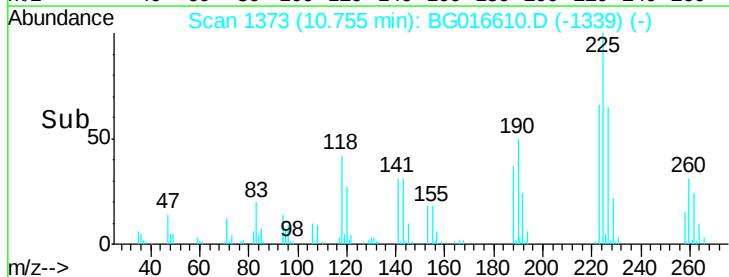
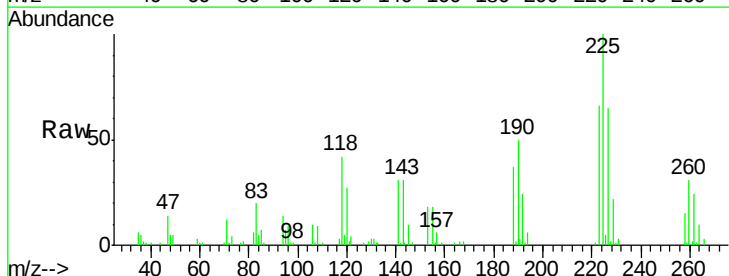
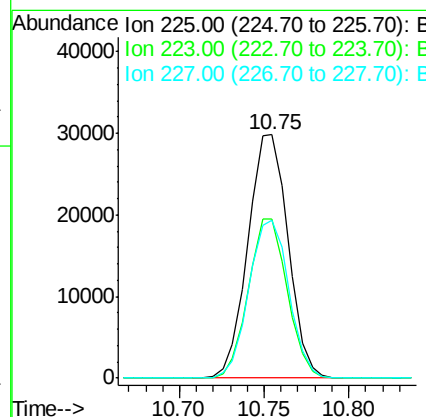
Manual Integrations  
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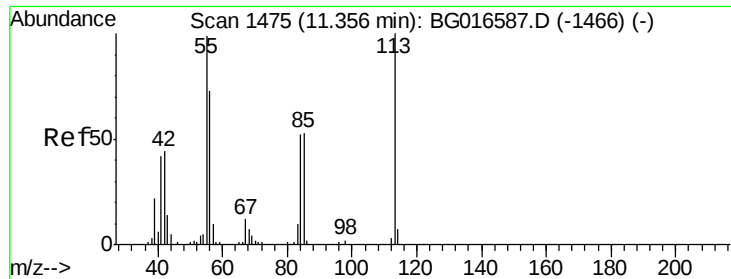
apatel  
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#34  
Hexachlorobutadiene  
Concen: 35.23 ng  
RT: 10.75 min Scan# 1373  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 65.5 | 51.0  | 76.4 |       |       |
| 227     | 65.1 | 52.7  | 79.1 |       |       |





#35

Caprolactam

Concen: 3.75 ng/mL

RT: 11.37 min Scan# 1477

Delta R.T. 0.01 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

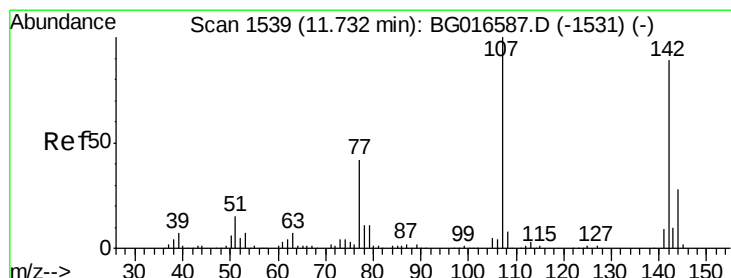
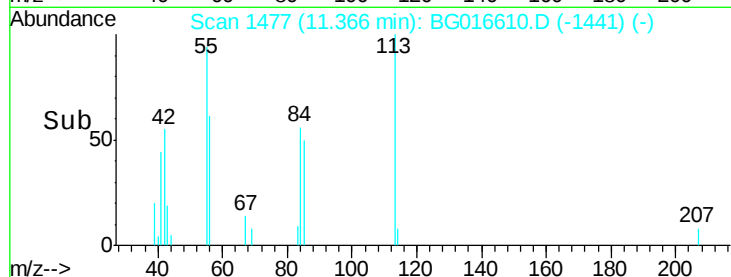
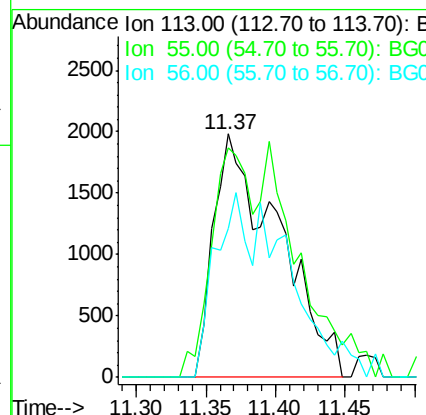
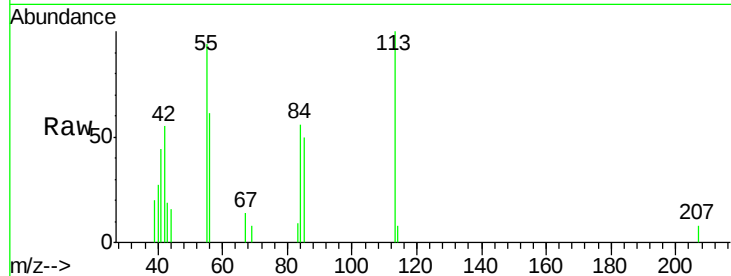
ClientSampleID :

S8-0437MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 6413  |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 94.3  | 79.2  | 119.2 |
| 56        | 61.2  | 53.2  | 93.2  |

Manual Integrations  
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#36

4-Chloro-3-methylphenol

Concen: 41.87 ng/mL

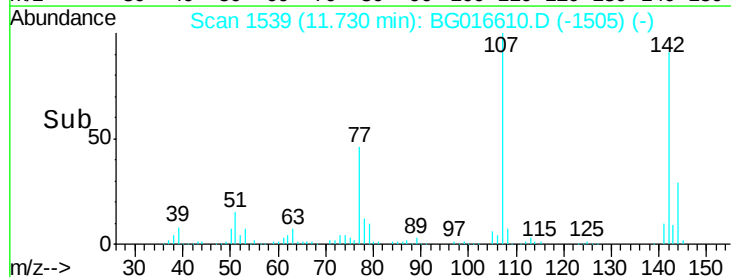
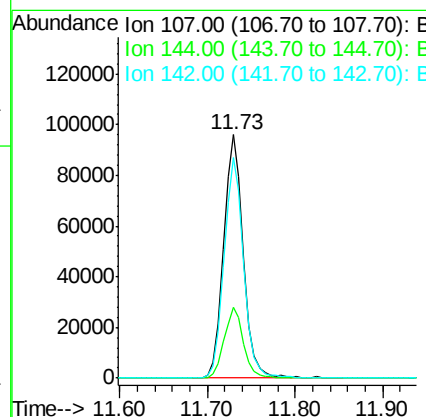
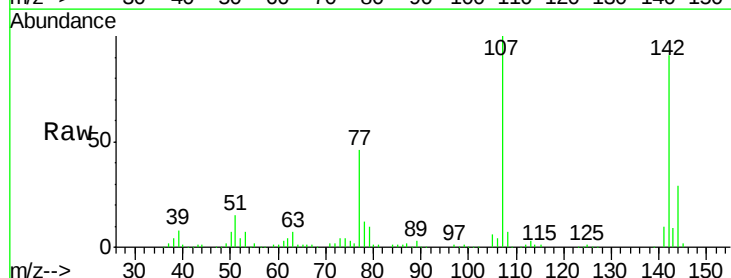
RT: 11.73 min Scan# 1539

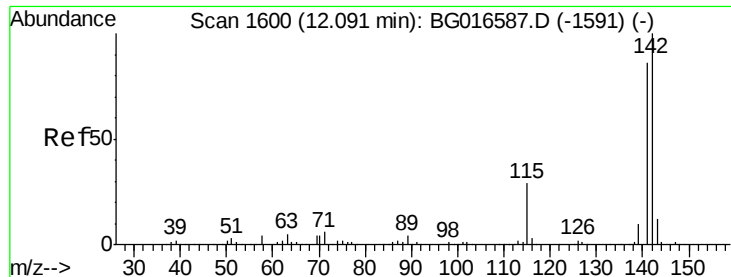
Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 149472 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 28.8  | 22.3  | 33.5   |
| 142       | 90.8  | 71.3  | 106.9  |





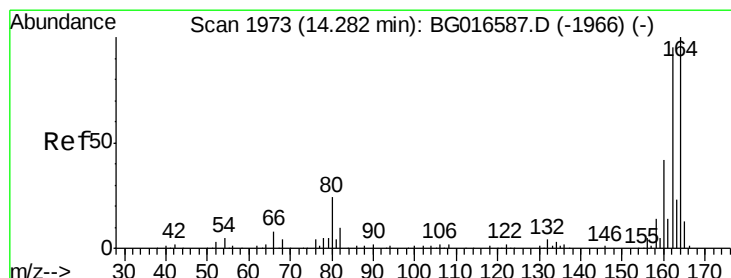
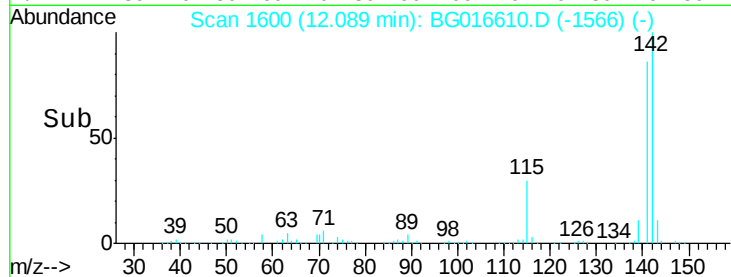
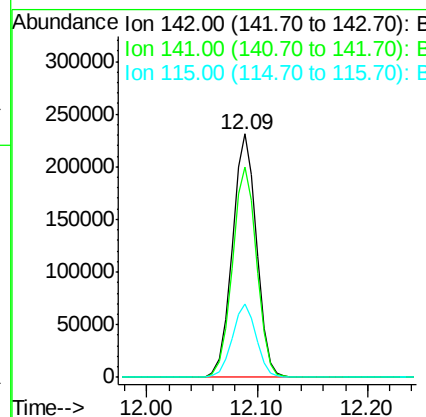
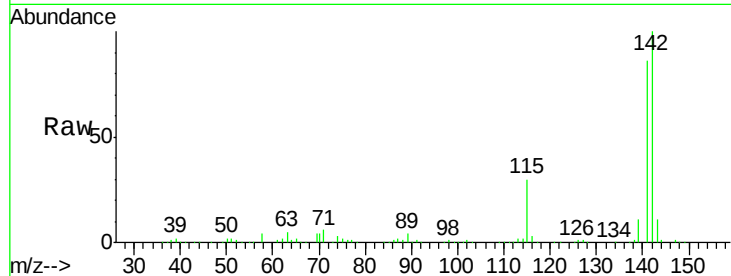
#37  
2-Methylnaphthalene  
Concen: 42.10 ng  
RT: 12.09 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 86.1  | 68.6  | 102.8 |
| 115     | 30.3  | 23.3  | 34.9  |

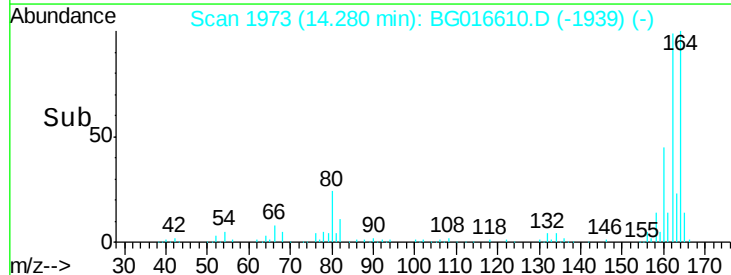
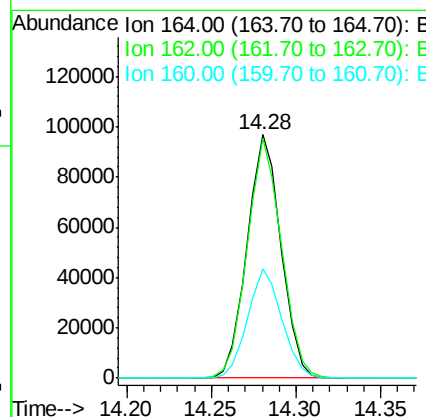
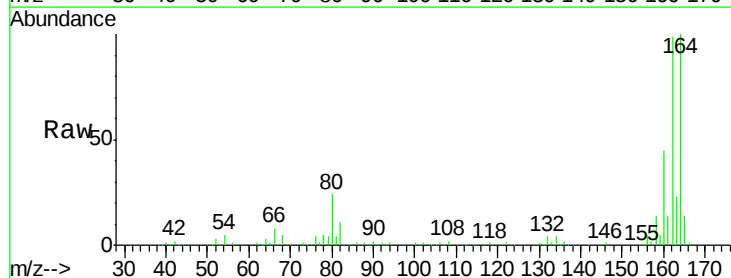
Manual Integrations  
APPROVED

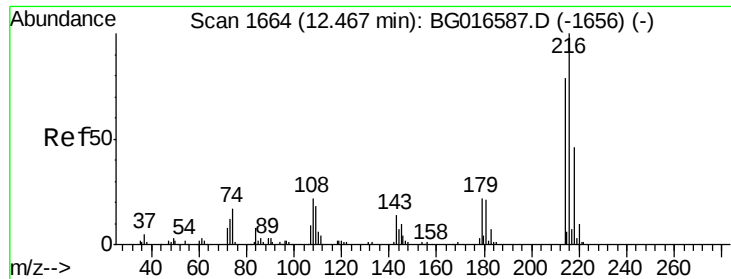
apatel  
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#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.28 min Scan# 1973  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.7  | 75.8  | 113.6 |
| 160     | 44.7  | 33.8  | 50.6  |





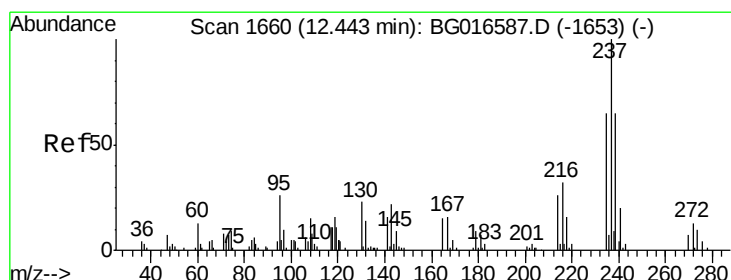
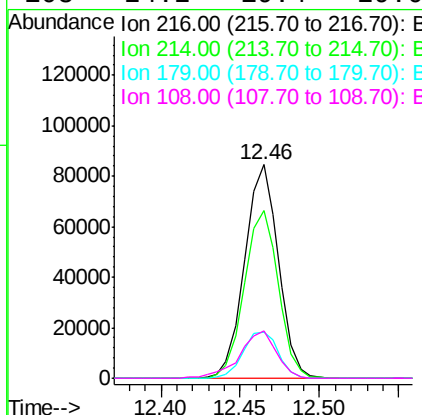
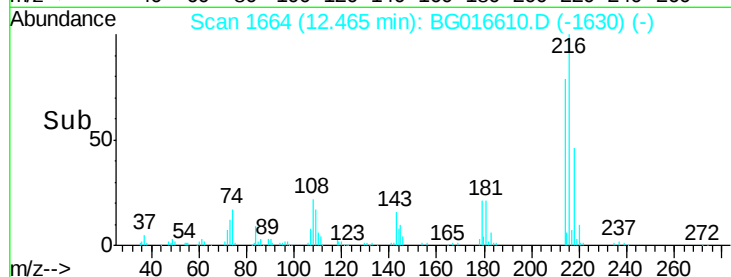
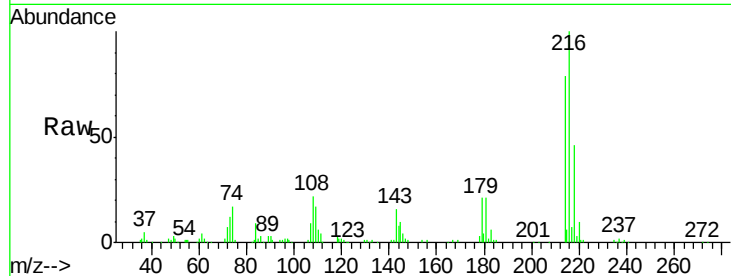
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 40.15 ng  
 RT: 12.46 min Scan# 1664  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 216     | 100  |       |      |       |       |
| 214     | 79.3 | 63.8  | 95.6 |       |       |
| 179     | 22.6 | 18.4  | 27.6 |       |       |
| 108     | 24.2 | 19.4  | 29.0 |       |       |

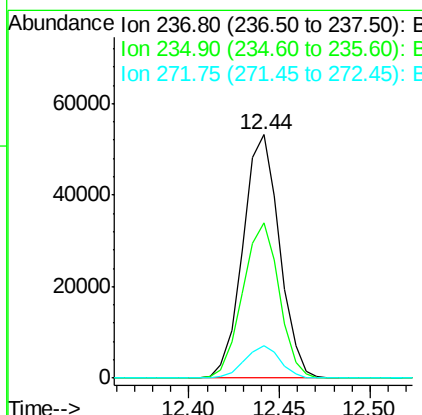
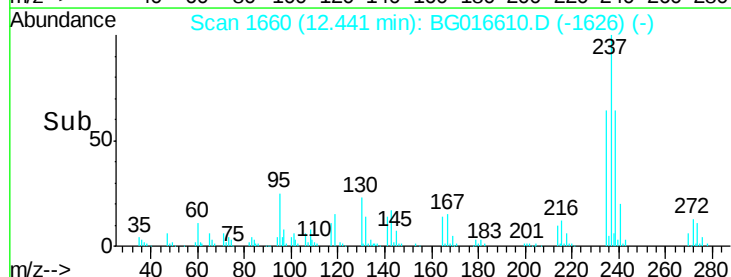
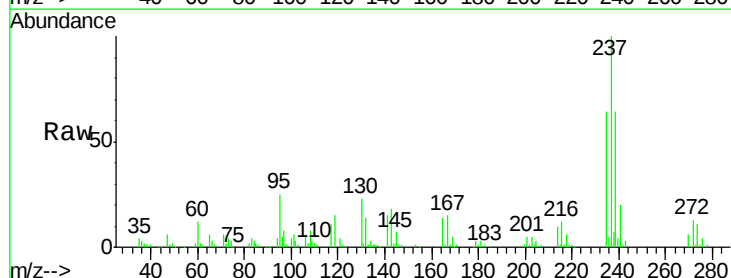
Manual Integrations  
 APPROVED

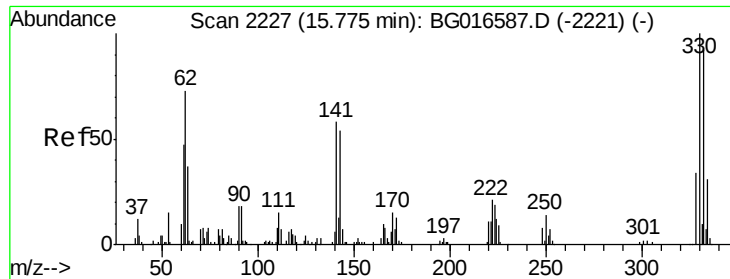
apatel  
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#40  
 Hexachlorocyclopentadiene  
 Concen: 62.61 ng  
 RT: 12.44 min Scan# 1660  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 237     | 100  |       |      |       |       |
| 235     | 63.6 | 44.7  | 84.7 |       |       |
| 272     | 13.3 | 0.0   | 32.6 |       |       |





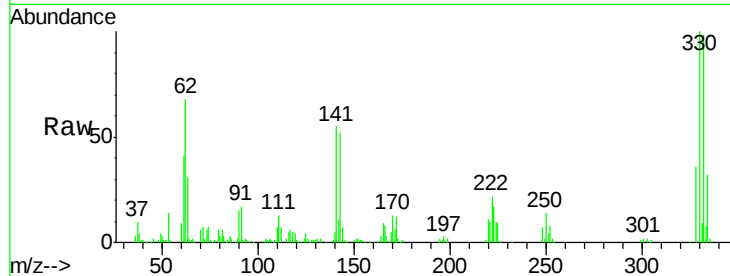
#41  
 2,4,6-Tribromophenol  
 Concen: 157.22 ng  
 RT: 15.78 min Scan# 2228  
 Delta R.T. 0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampled :  
 S8-0437MS

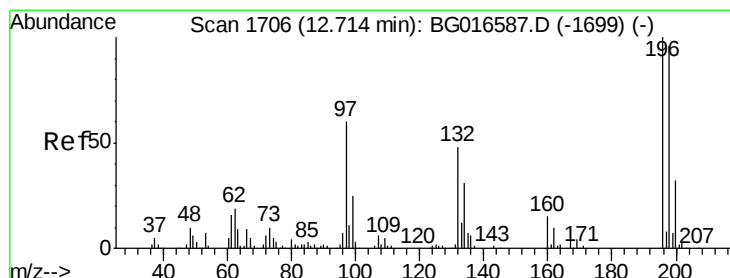
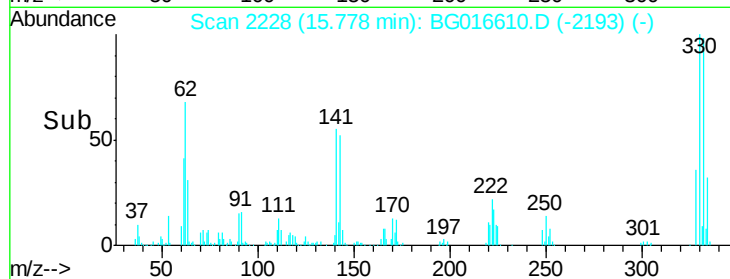
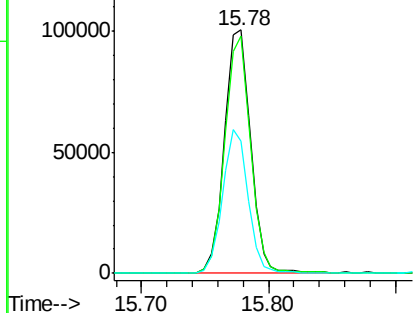
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 144335 |       |       |
| 332     | 95.9  | 76.6   | 114.8 |       |
| 141     | 57.3  | 45.9   | 68.9  |       |

Manual Integrations  
 APPROVED

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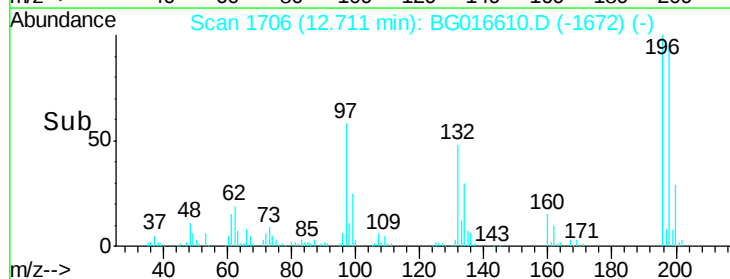
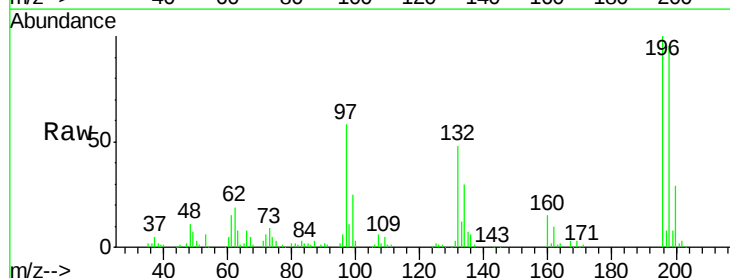
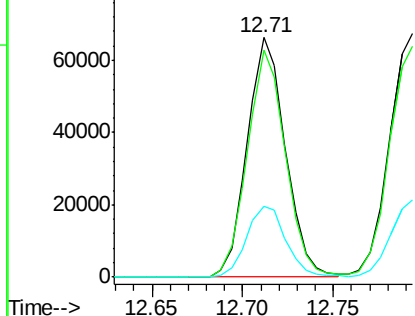
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

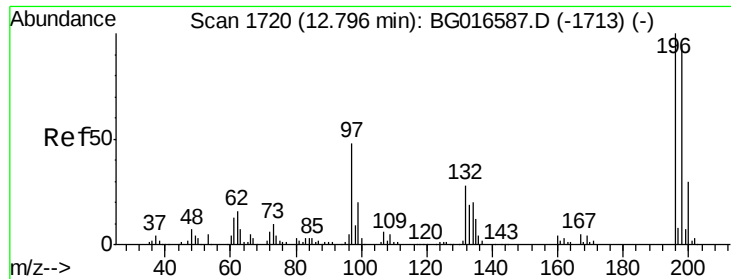


#42  
 2,4,6-Trichlorophenol  
 Concen: 44.19 ng  
 RT: 12.71 min Scan# 1706  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 97305 |       |       |
| 198     | 94.9  | 76.6  | 114.8 |       |
| 200     | 29.4  | 25.8  | 38.6  |       |

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





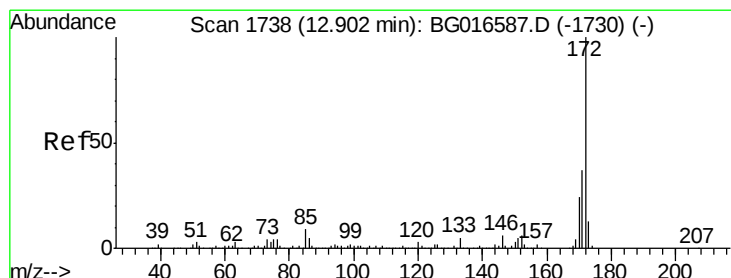
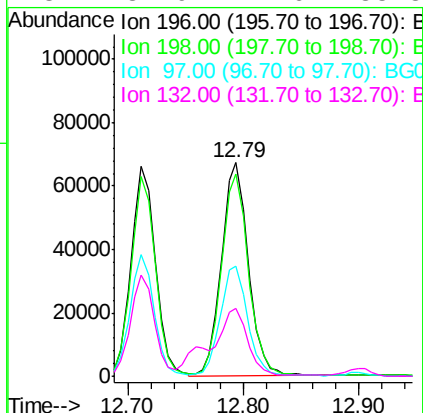
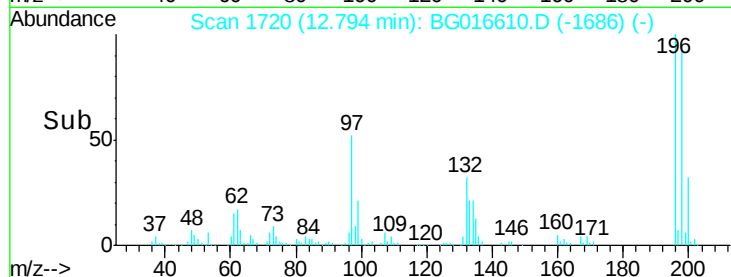
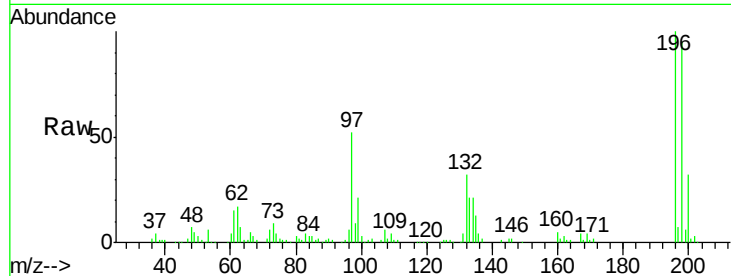
#43  
2,4,5-Trichlorophenol  
Concen: 46.26 ng  
RT: 12.79 min Scan# 1720  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 108607 |       |       |
| 198     | 94.9 | 75.4  | 113.2  |       |       |
| 97      | 51.7 | 38.9  | 58.3   |       |       |
| 132     | 31.9 | 22.6  | 33.8   |       |       |

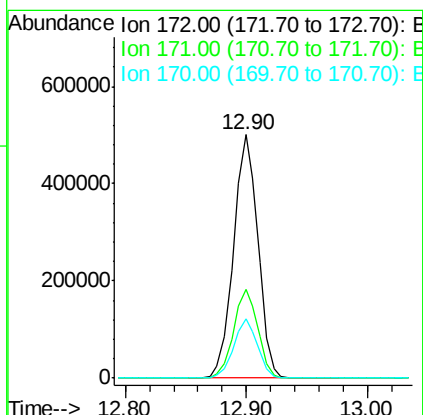
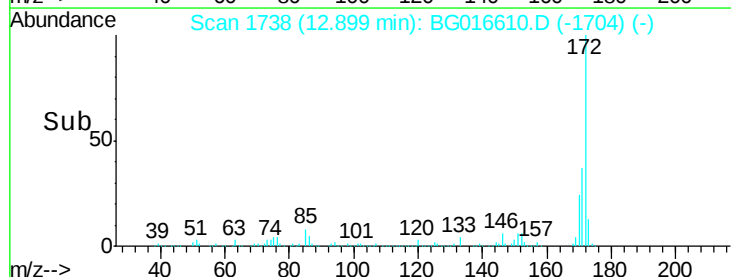
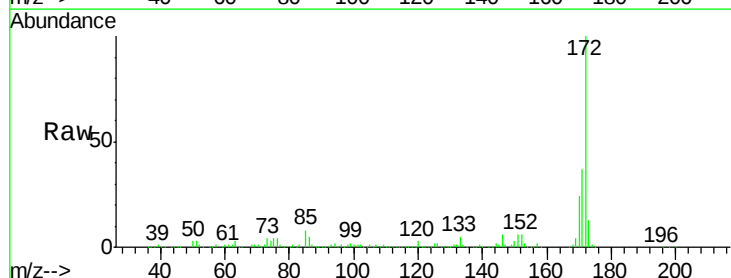
Manual Integrations  
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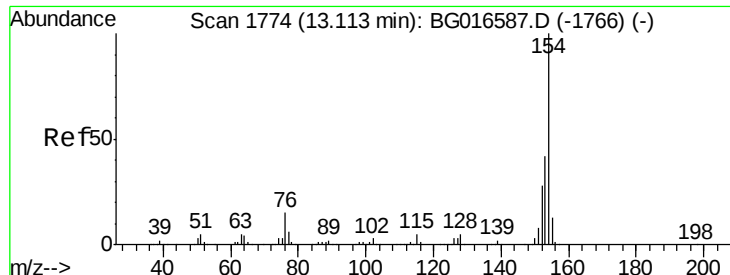
apatel  
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#44  
2-Fluorobiphenyl  
Concen: 86.03 ng  
RT: 12.90 min Scan# 1738  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 172     | 100  |       | 702117 |       |       |
| 171     | 36.7 | 29.6  | 44.4   |       |       |
| 170     | 24.1 | 19.4  | 29.0   |       |       |





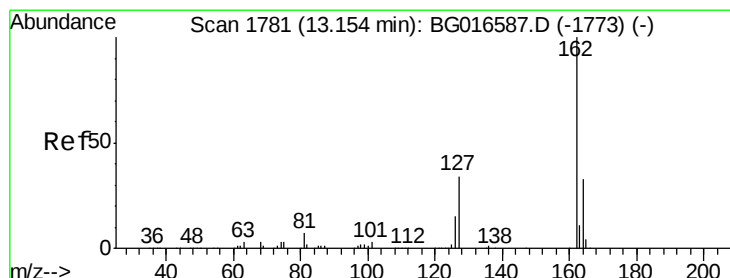
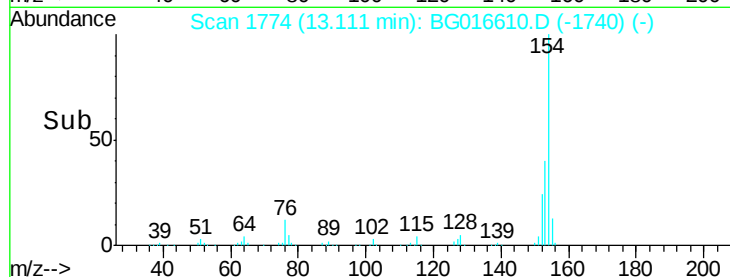
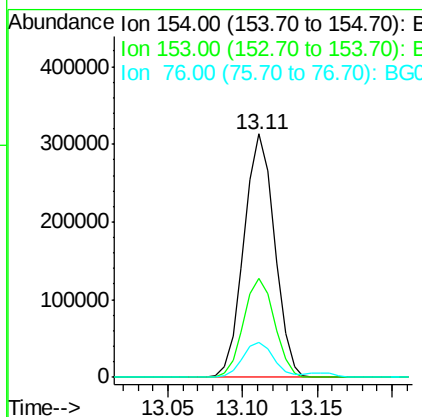
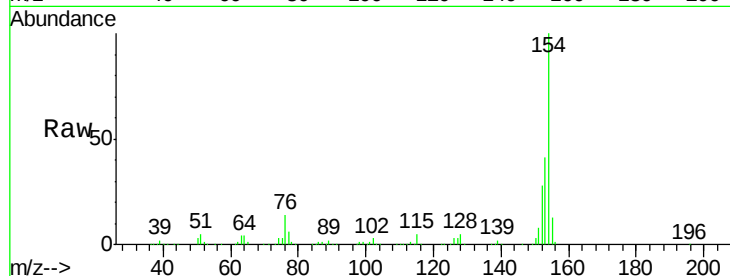
#45  
 1,1'-Biphenyl  
 Concen: 42.78 ng  
 RT: 13.11 min Scan# 1774  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 154  | Resp: | 445313 |
| Ion Ratio |      | Lower | Upper  |
| 154       | 100  |       |        |
| 153       | 40.9 | 22.4  | 62.4   |
| 76        | 14.3 | 0.0   | 35.1   |

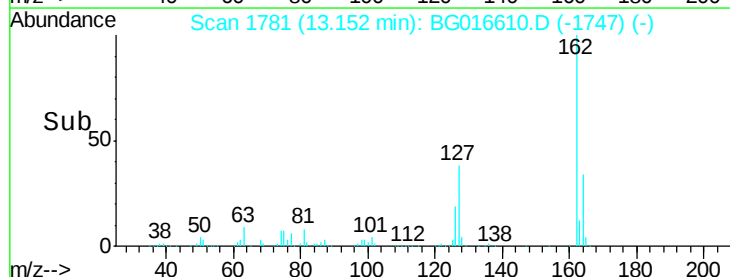
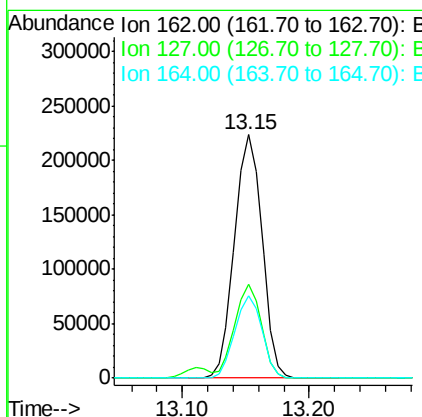
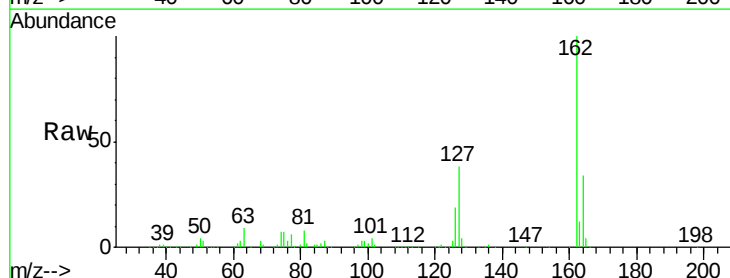
Manual Integrations  
 APPROVED

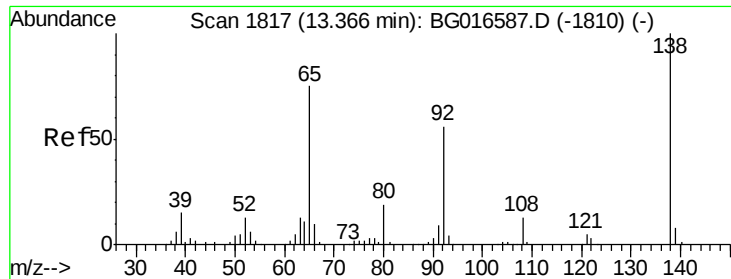
apatel  
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#46  
 2-Chloronaphthalene  
 Concen: 42.25 ng  
 RT: 13.15 min Scan# 1781  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 162  | Resp: | 336808 |
| Ion Ratio |      | Lower | Upper  |
| 162       | 100  |       |        |
| 127       | 38.4 | 30.3  | 45.5   |
| 164       | 33.6 | 26.6  | 39.8   |





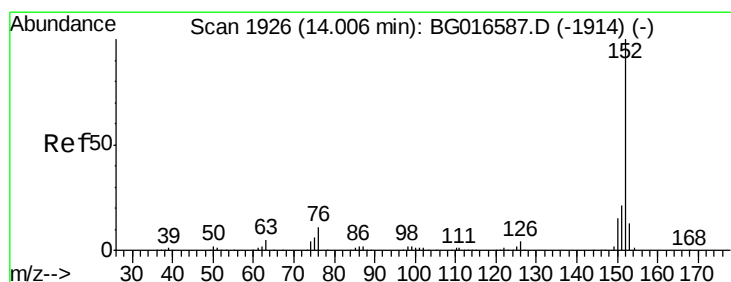
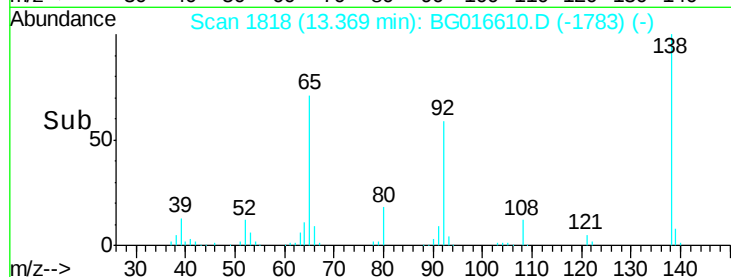
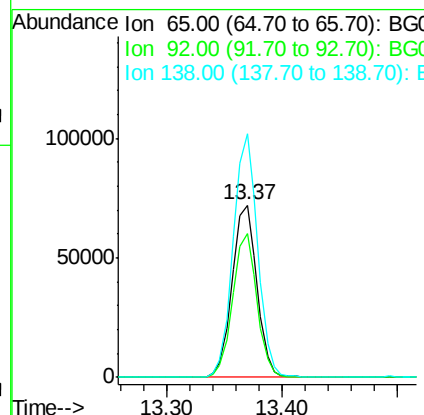
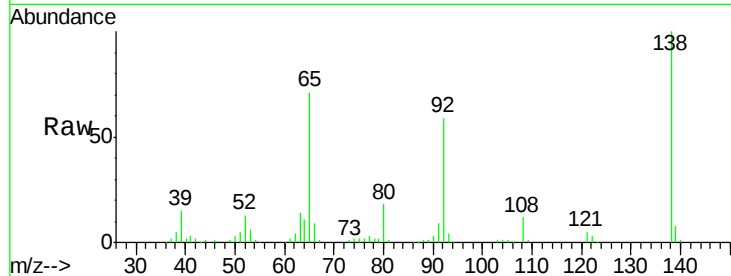
#47  
 2-Nitroaniline  
 Concen: 46.12 ng  
 RT: 13.37 min Scan# 1818  
 Delta R.T. 0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 83.1  | 60.3  | 90.5  |
| 138     | 141.2 | 106.9 | 160.3 |

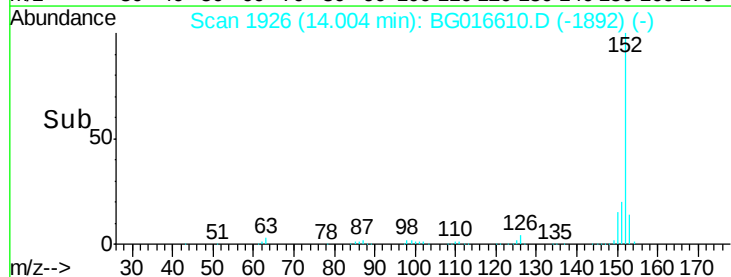
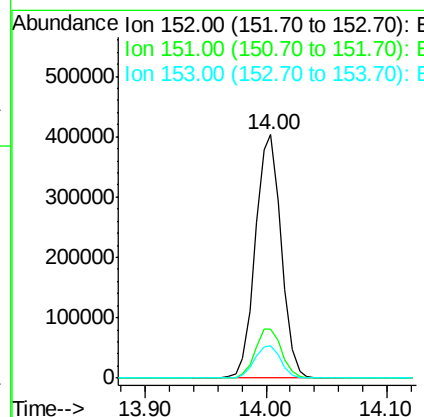
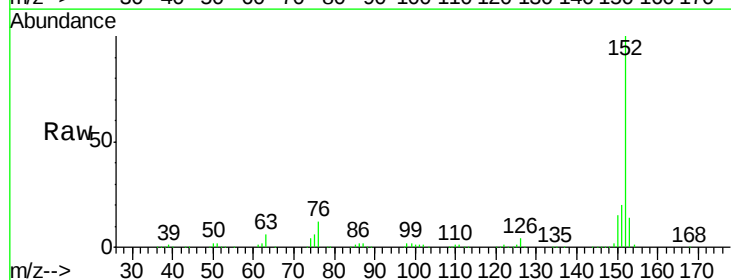
Manual Integrations  
 APPROVED

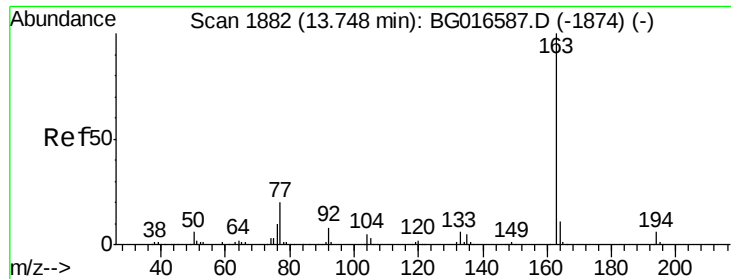
apatel  
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#48  
 Acenaphthylene  
 Concen: 42.32 ng  
 RT: 14.00 min Scan# 1926  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 16.6  | 25.0  |
| 153     | 13.5  | 10.4  | 15.6  |





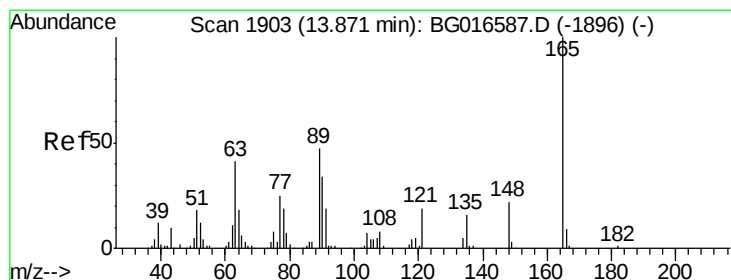
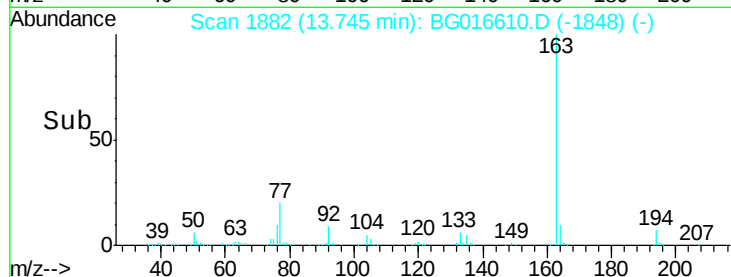
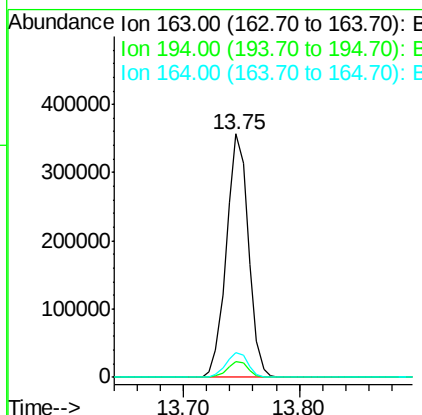
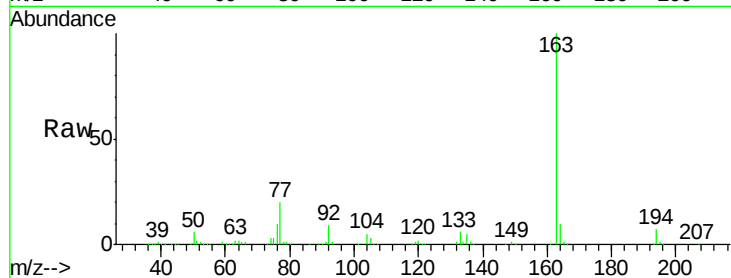
#49  
Dimethylphthalate  
Concen: 46.98 ng  
RT: 13.75 min Scan# 1882  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 469534 |       |       |
| 194     | 6.5   | 4.9    | 7.3   |       |
| 164     | 10.4  | 8.6    | 12.8  |       |

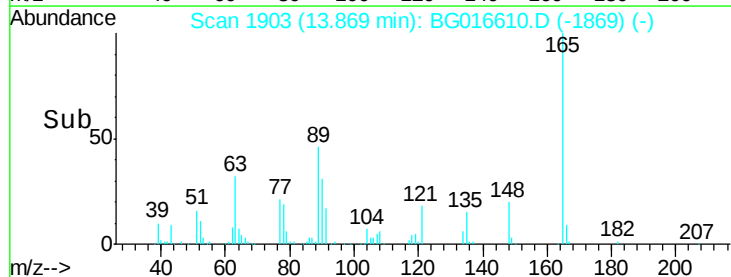
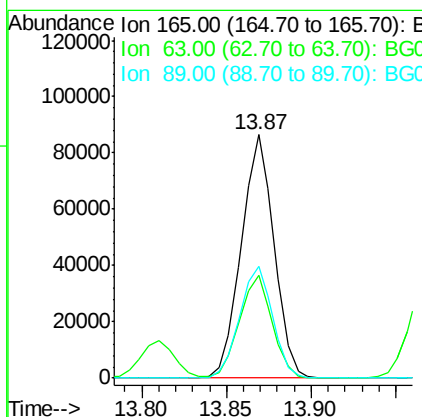
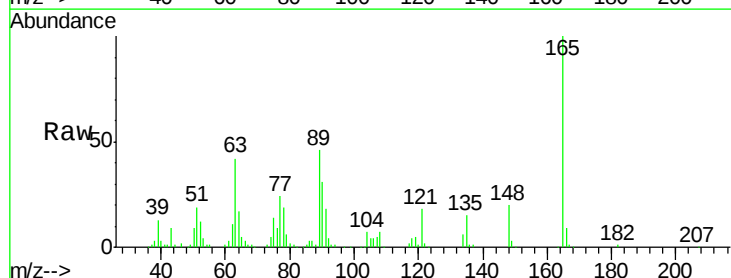
Manual Integrations  
APPROVED

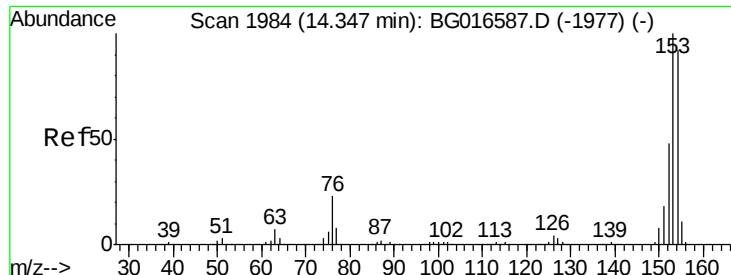
apatel  
4/22/2015 5:21:20 PM



#50  
2,6-Dinitrotoluene  
Concen: 47.44 ng  
RT: 13.87 min Scan# 1903  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 116445 |       |       |
| 63      | 42.1  | 33.8   | 50.8  |       |
| 89      | 46.1  | 37.8   | 56.8  |       |





#51

Acenaphthene

Concen: 43.53 ng

RT: 14.34 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

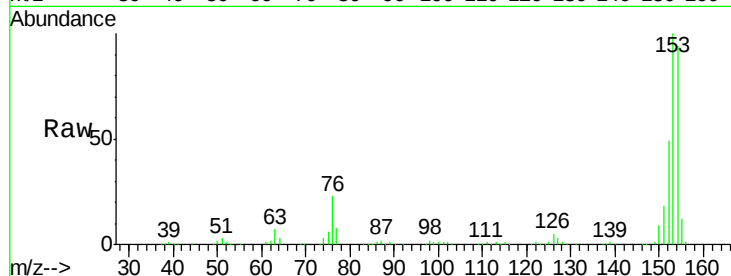
ClientSampleId :

S8-0437MS

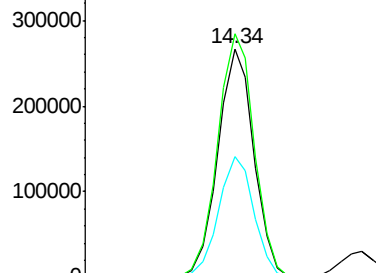
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 367617 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 106.4 | 87.3  | 130.9  |
| 152       | 52.6  | 41.4  | 62.2   |

Manual Integrations  
APPROVED

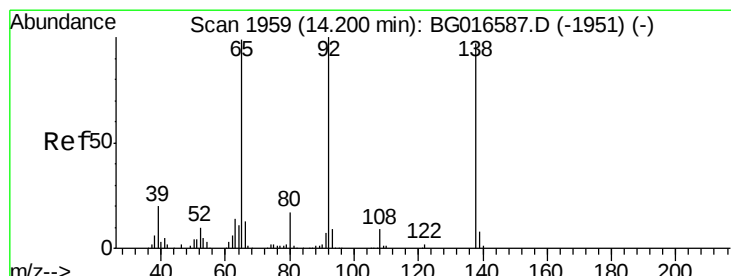
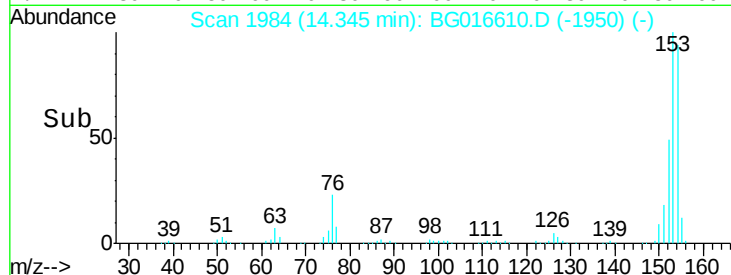
apatel  
4/22/2015 5:21:20 PM



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



Time-->



#52

3-Nitroaniline

Concen: 24.68 ng

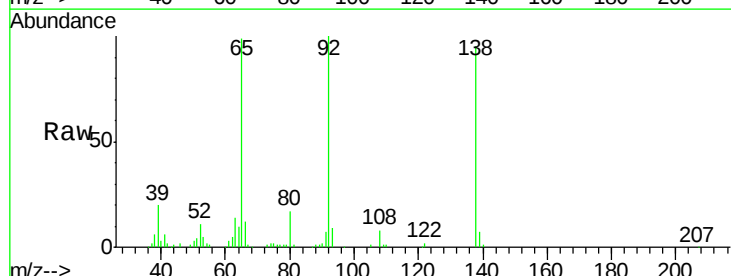
RT: 14.20 min Scan# 1959

Delta R.T. -0.00 min

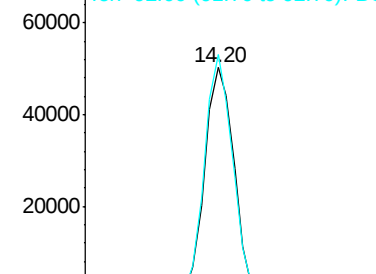
Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

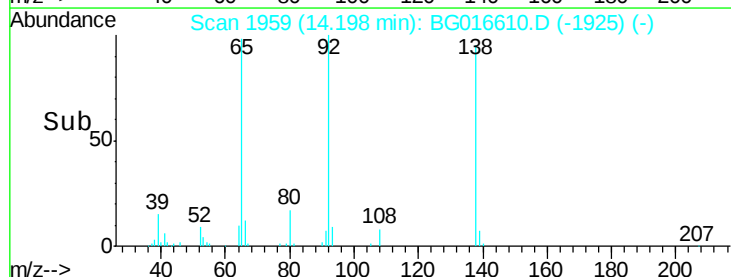
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 74806 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 8.8   | 7.8   | 11.6  |
| 92        | 105.5 | 82.2  | 123.2 |

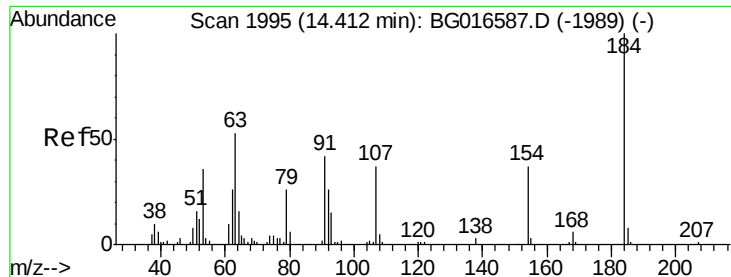


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BG



Time-->





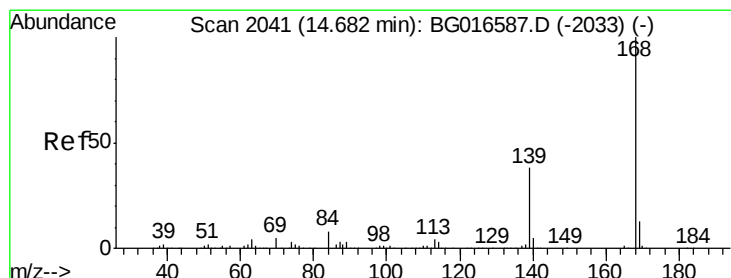
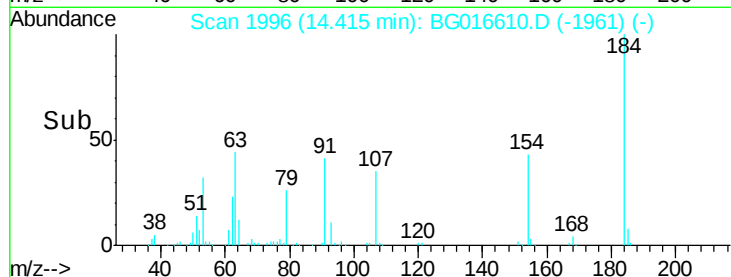
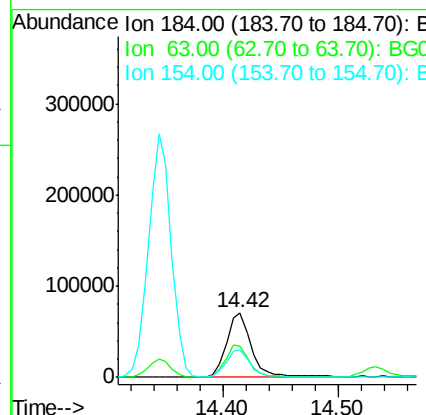
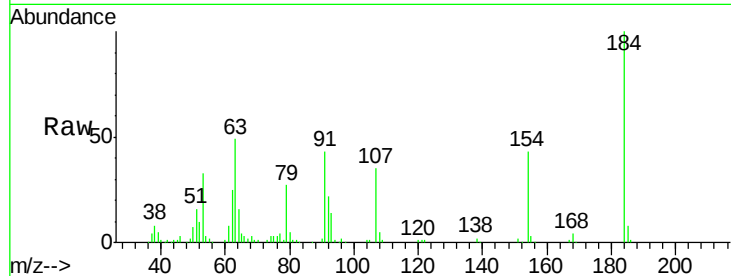
#53  
 2,4-Dinitrophenol  
 Concen: 91.61 ng  
 RT: 14.42 min Scan# 1996  
 Delta R.T. 0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 49.0  | 42.6 | 64.0  |       |
| 154     | 42.7  | 33.4 | 50.0  |       |

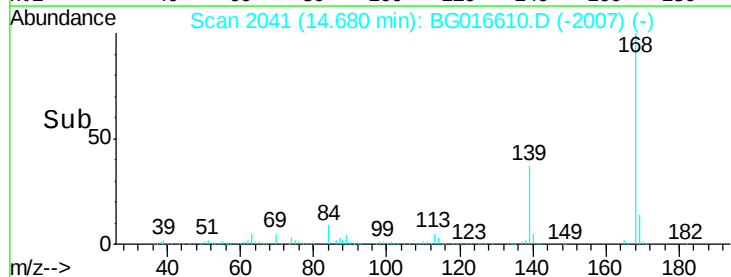
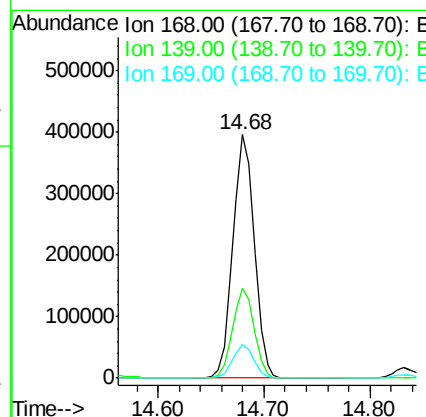
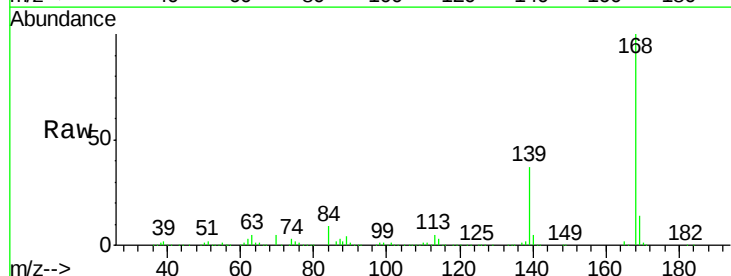
Manual Integrations  
 APPROVED

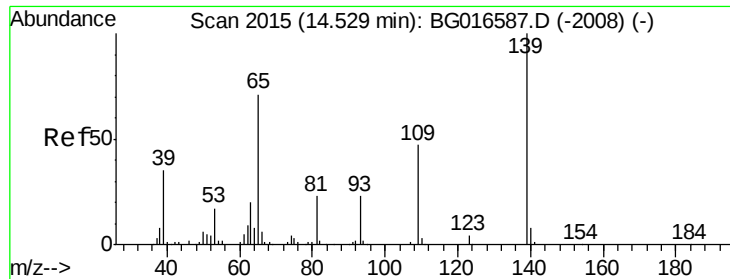
apatel  
 4/22/2015 5:21:20 PM



#54  
 Dibenzofuran  
 Concen: 46.23 ng  
 RT: 14.68 min Scan# 2041  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 37.2  | 30.2 | 45.2  |       |
| 169     | 13.8  | 10.8 | 16.2  |       |





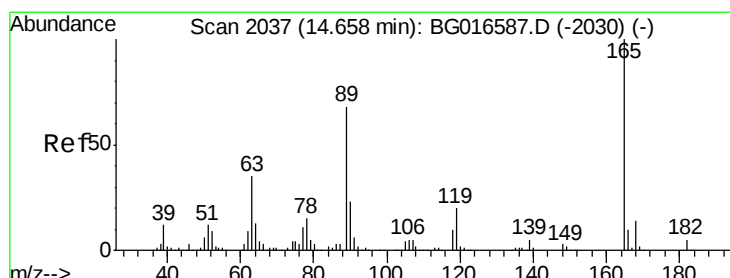
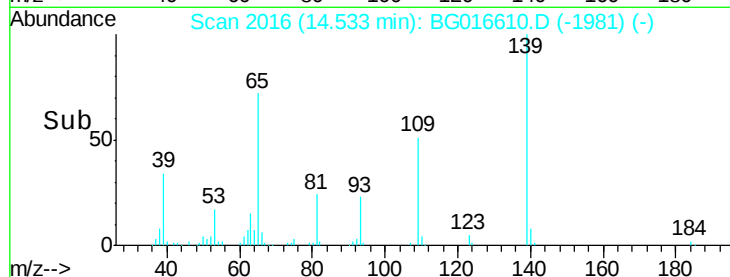
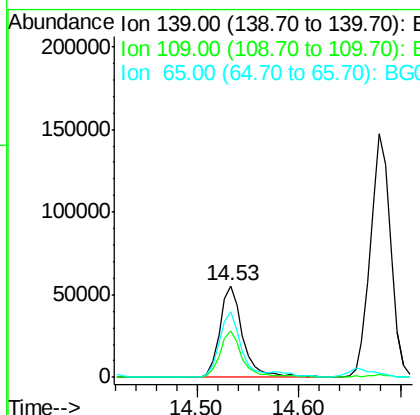
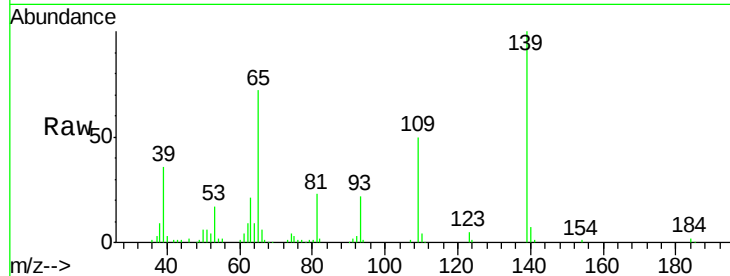
#55  
4-Nitrophenol  
Concen: 38.10 ng  
RT: 14.53 min Scan# 2016  
Delta R.T. 0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 50.4  | 27.5 | 67.5  |       |
| 65      | 71.7  | 50.7 | 90.7  |       |

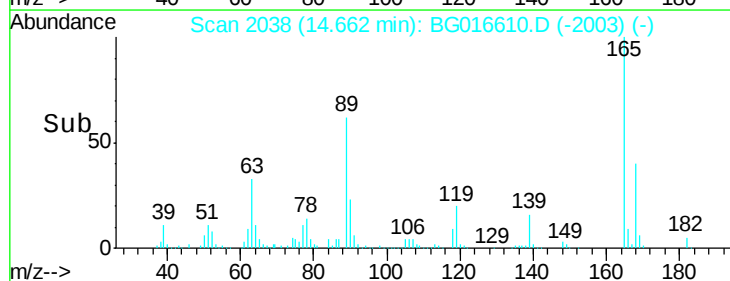
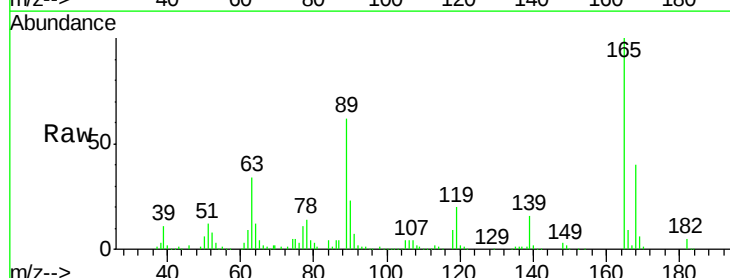
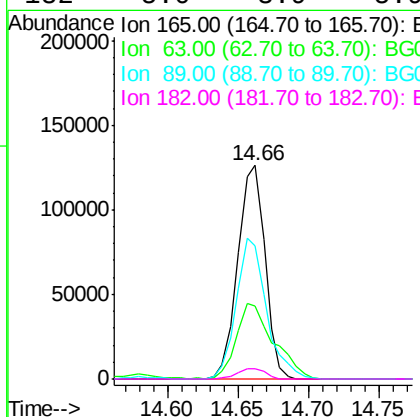
Manual Integrations  
APPROVED

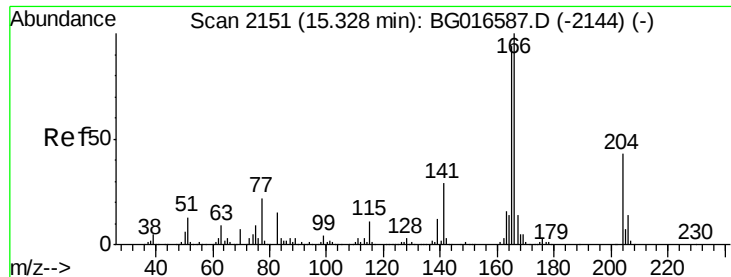
apatel  
4/22/2015 5:21:20 PM



#56  
2,4-Dinitrotoluene  
Concen: 50.48 ng  
RT: 14.66 min Scan# 2038  
Delta R.T. 0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 34.2  | 28.2 | 42.4  |       |
| 89      | 62.3  | 54.1 | 81.1  |       |
| 182     | 5.0   | 3.9  | 5.9   |       |





#57

Fluorene

Concen: 46.62 ng

RT: 15.33 min Scan# 2152

Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

ClientSampleId :

S8-0437MS

Tot Ion:166 Resp: 488419

Ion Ratio Lower Upper

166 100

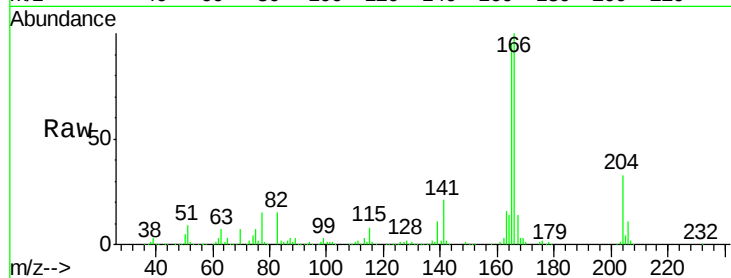
165 94.7 75.4 113.0

167 14.0 11.2 16.8

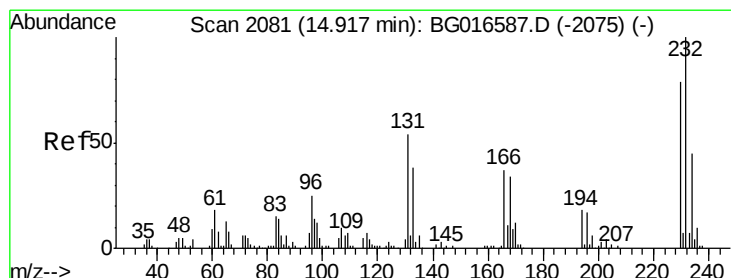
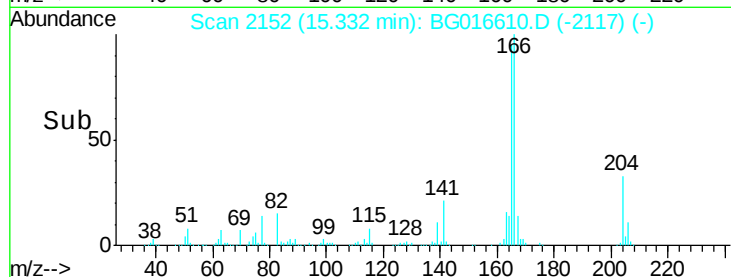
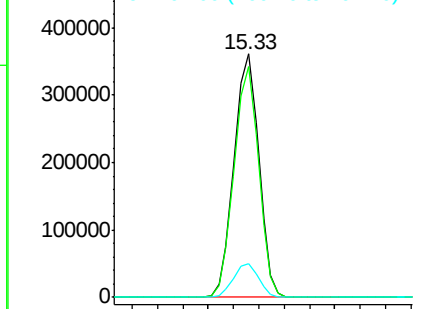
Manual Integrations  
APPROVED

apatel

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Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 50.11 ng

RT: 14.91 min Scan# 2081

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Tgt Ion:232 Resp: 88775

Ion Ratio Lower Upper

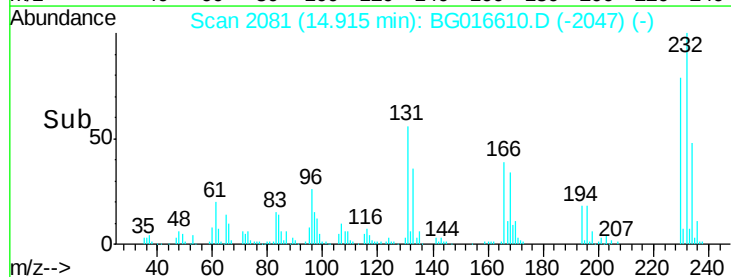
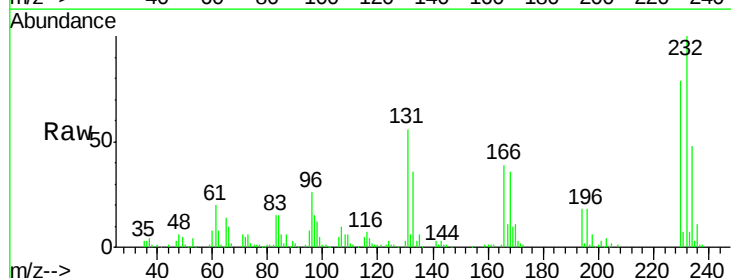
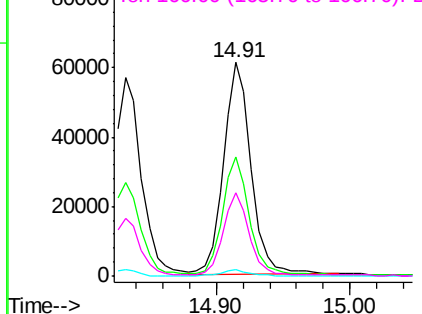
232 100

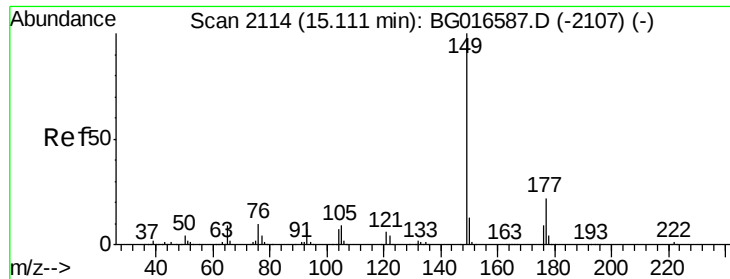
131 55.6 44.0 66.0

130 3.1 2.3 3.5

166 36.6 29.4 44.2

Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E





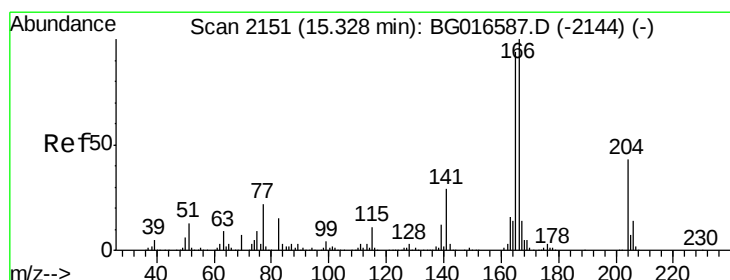
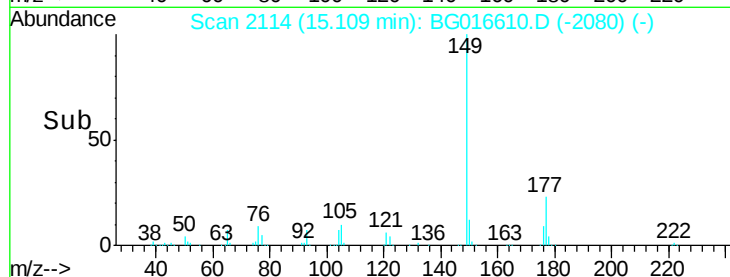
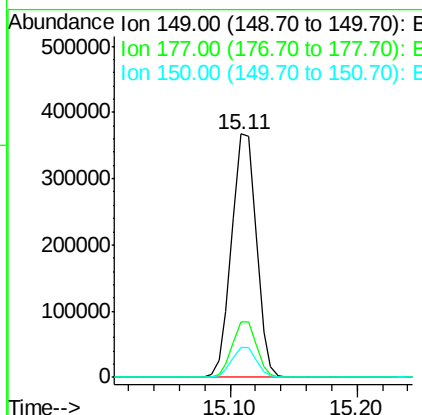
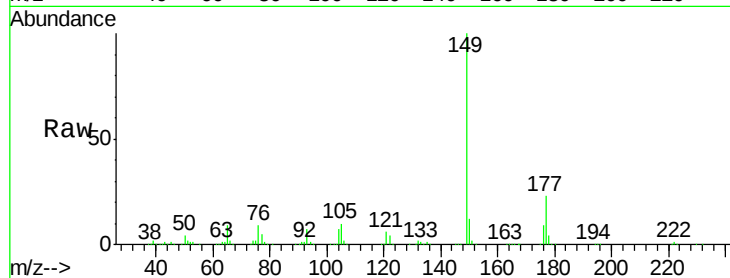
#59  
Diethylphthalate  
Concen: 46.40 ng  
RT: 15.11 min Scan# 2114  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 494029 |       |       |
| 177     | 22.6  |        | 17.6  | 26.4  |
| 150     | 12.5  |        | 10.2  | 15.2  |

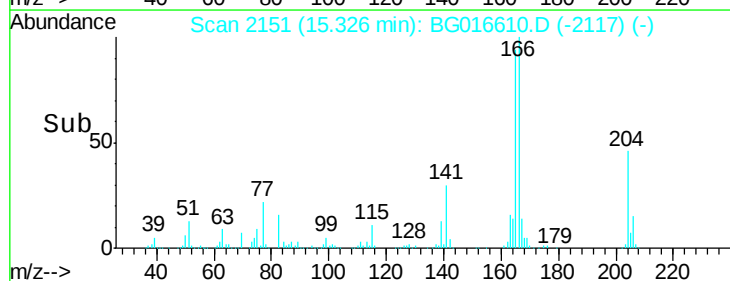
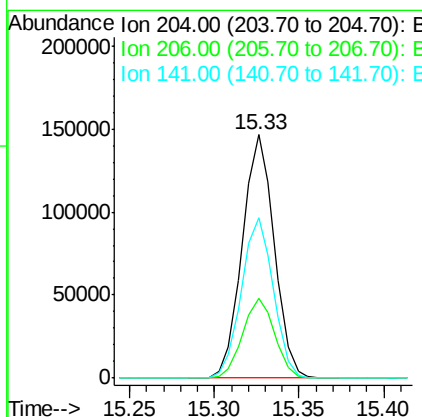
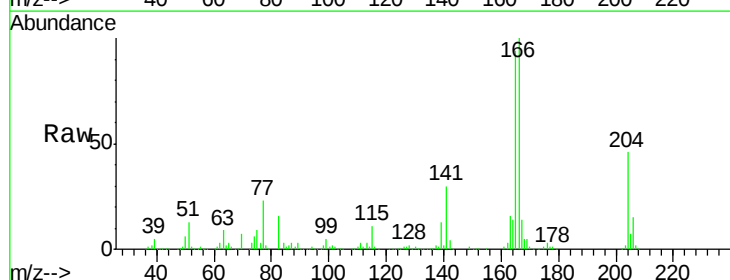
Manual Integrations  
APPROVED

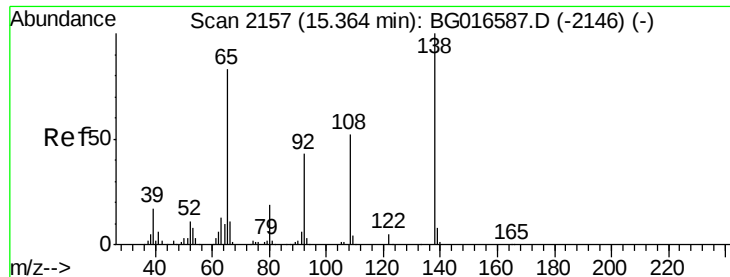
apatel  
4/22/2015 5:21:20 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 44.77 ng  
RT: 15.33 min Scan# 2151  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 192579 |       |       |
| 206     | 32.8  |        | 26.6  | 40.0  |
| 141     | 65.9  |        | 53.5  | 80.3  |





#61

4-Nitroaniline

Concen: 41.80 ng

RT: 15.37 min Scan# 2158

Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

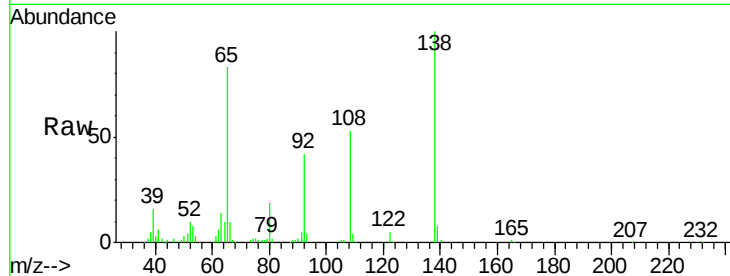
ClientSampleId :

S8-0437MS

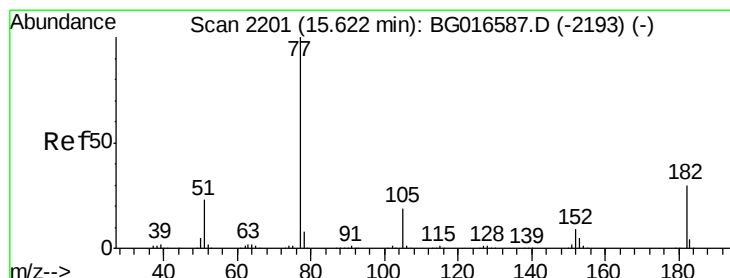
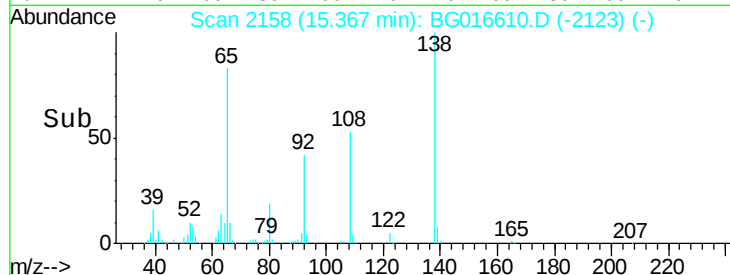
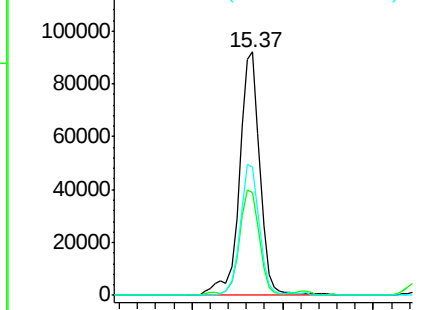
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 138   | Resp: | 145188 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 42.1  | 23.3  | 63.3   |
| 108       | 52.8  | 31.8  | 71.8   |

Manual Integrations  
APPROVED

apatel  
4/22/2015 5:21:20 PM



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



#62

Azobenzene

Concen: 49.52 ng

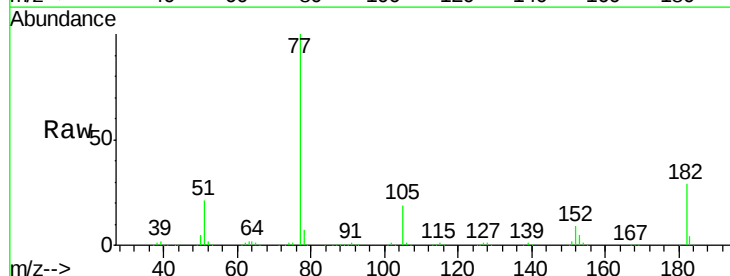
RT: 15.62 min Scan# 2201

Delta R.T. -0.00 min

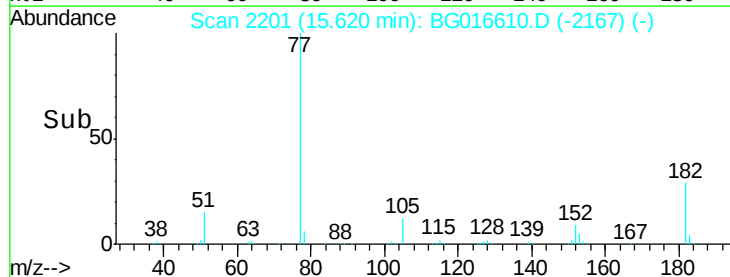
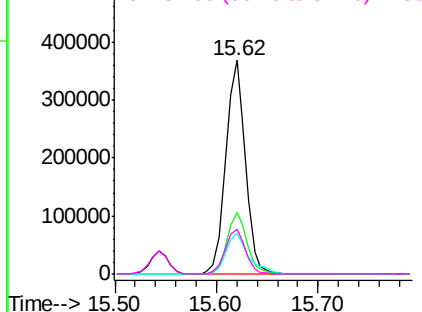
Lab File: BG016610.D

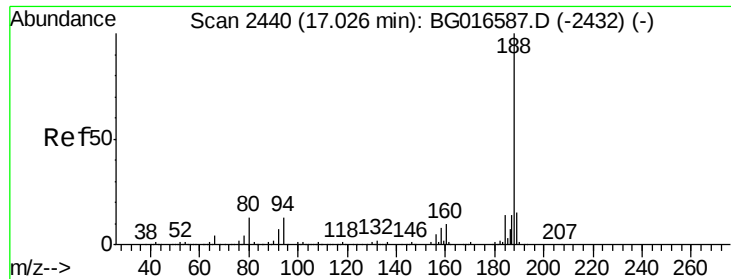
Acq: 22 Apr 2015 8:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 489436 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 28.7  | 9.9   | 49.9   |
| 105       | 19.4  | 0.0   | 38.8   |
| 51        | 21.2  | 2.7   | 42.7   |



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BGC





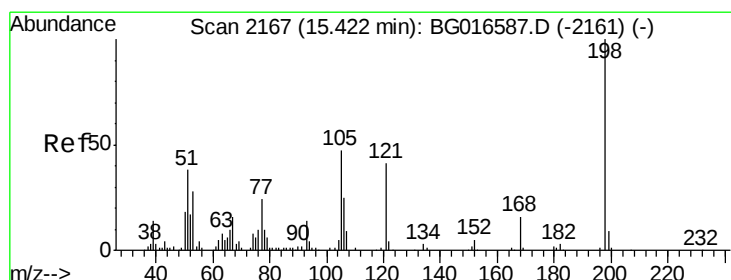
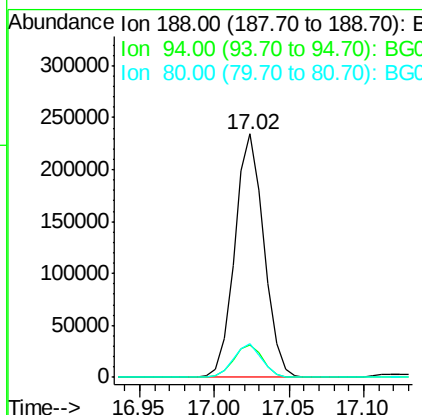
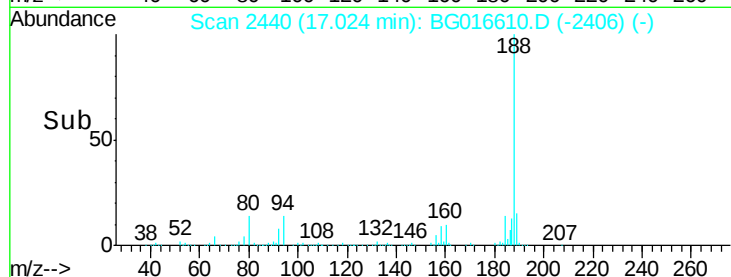
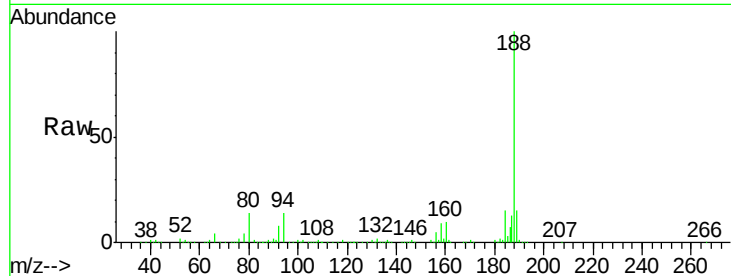
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.02 min Scan# 2440  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 318179 |       |       |
| 94      | 13.6  | 10.5   | 15.7  |       |
| 80      | 13.9  | 10.6   | 16.0  |       |

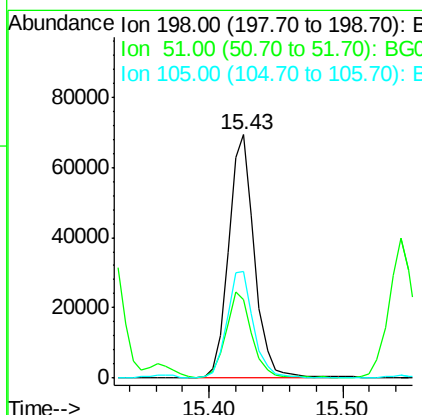
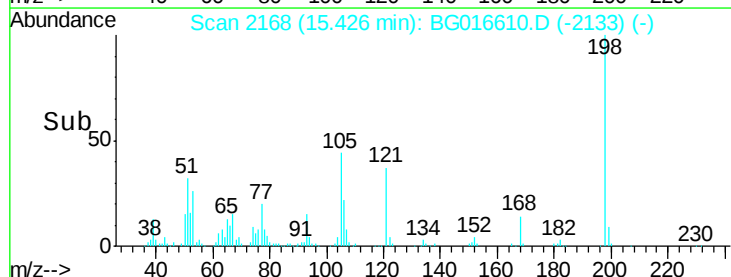
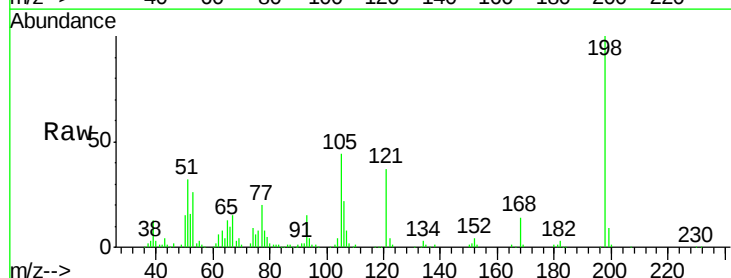
Manual Integrations  
APPROVED

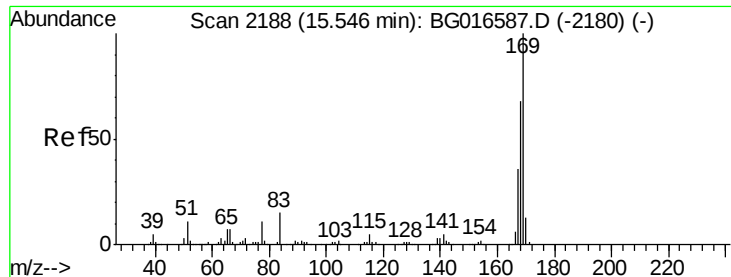
apatel  
4/22/2015 5:21:20 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 43.07 ng  
RT: 15.43 min Scan# 2168  
Delta R.T. 0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 93323 |       |       |
| 51      | 32.3  | 18.6  | 58.6  |       |
| 105     | 43.7  | 27.7  | 67.7  |       |





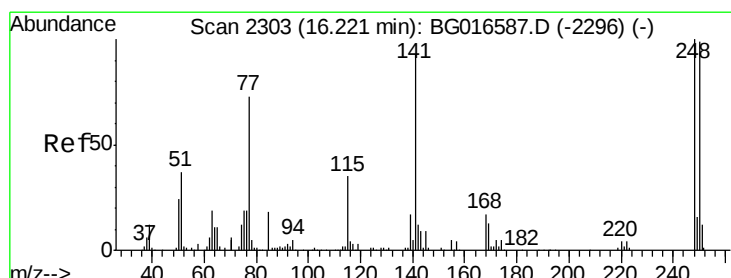
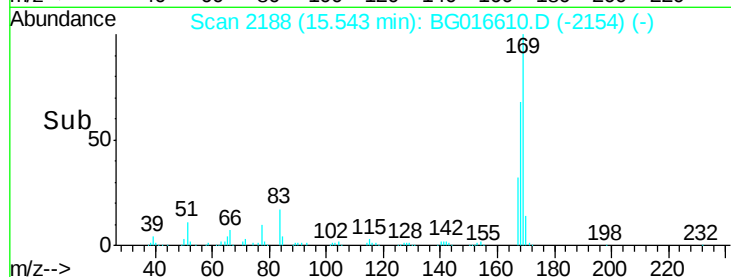
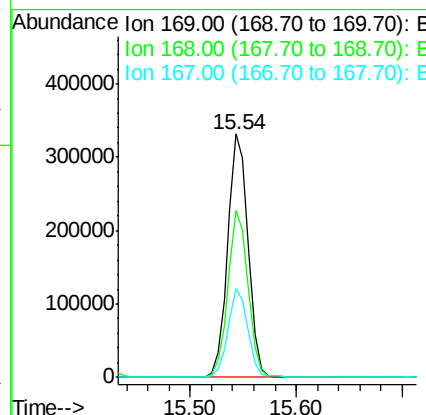
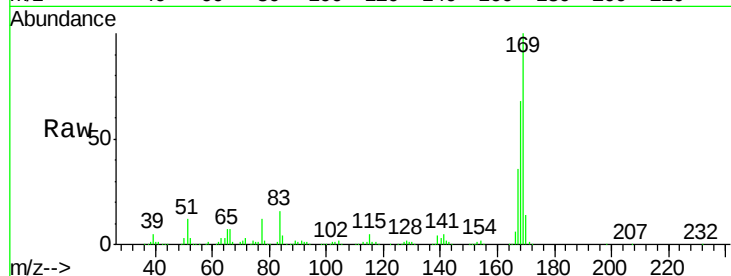
#65  
 n-Nitrosodiphenylamine  
 Concen: 41.40 ng  
 RT: 15.54 min Scan# 2188  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 441634 |       |       |
| 168     | 68.3  | 54.1   | 81.1  |       |
| 167     | 36.5  | 28.7   | 43.1  |       |

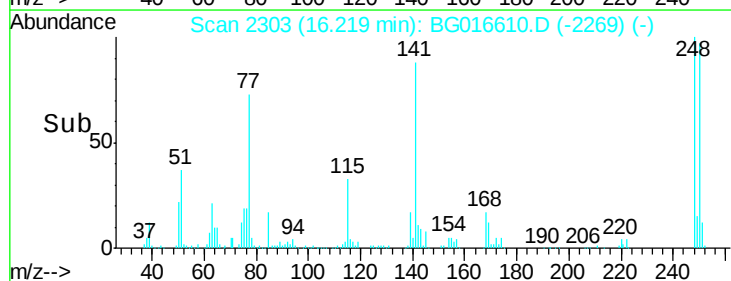
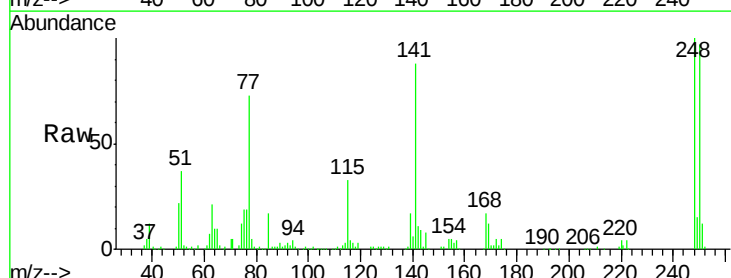
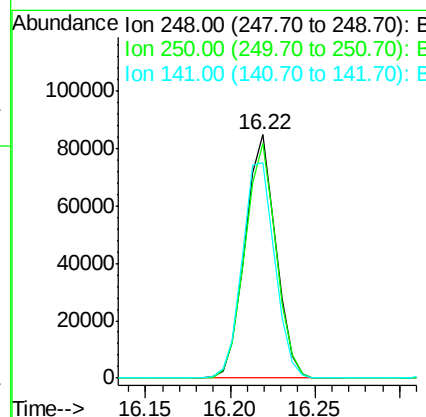
Manual Integrations  
 APPROVED

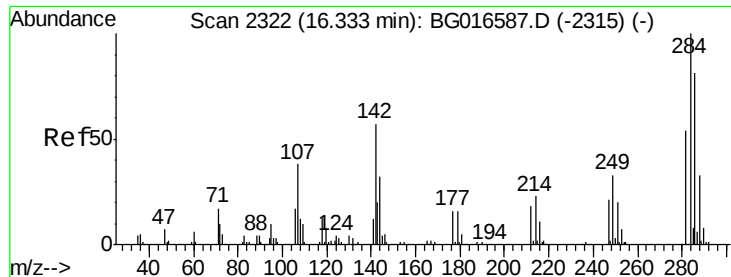
apatel  
 4/22/2015 5:21:20 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 43.11 ng  
 RT: 16.22 min Scan# 2303  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 107984 |       |       |
| 250     | 96.6  | 79.0   | 118.6 |       |
| 141     | 88.4  | 74.6   | 111.8 |       |





#67

Hexachlorobenzene

Concen: 42.99 ng

RT: 16.34 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

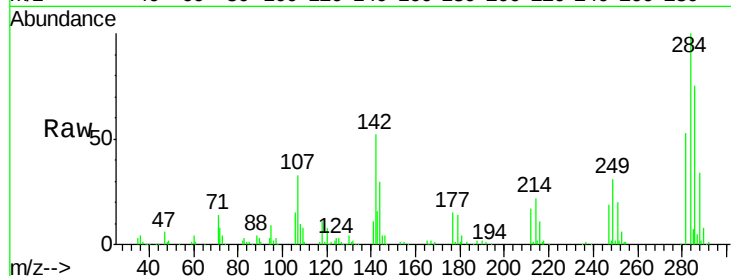
ClientSampleId :

S8-0437MS

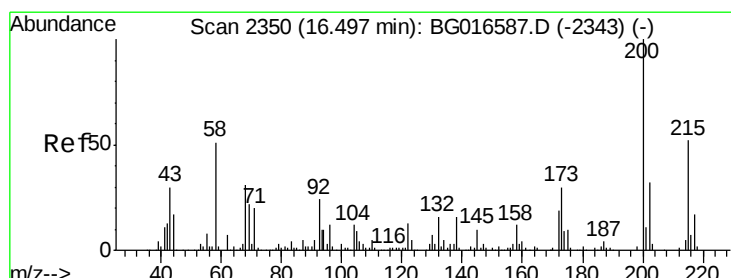
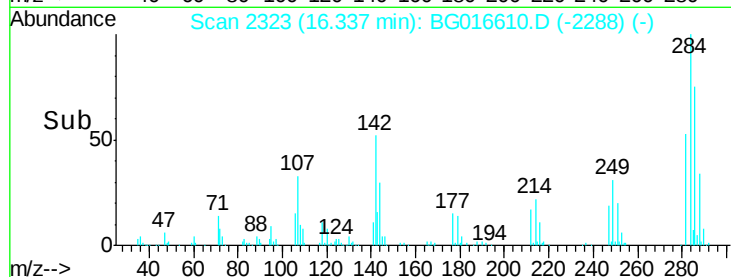
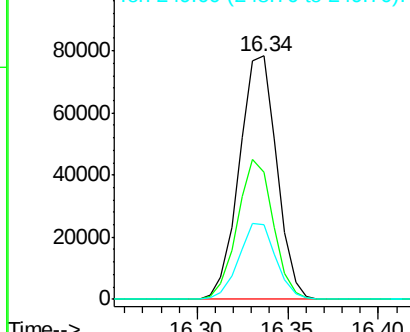
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 284   | Resp: | 112469 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 52.1  | 45.6  | 68.4   |
| 249       | 30.5  | 26.2  | 39.2   |

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



#68

Atrazine

Concen: 51.42 ng

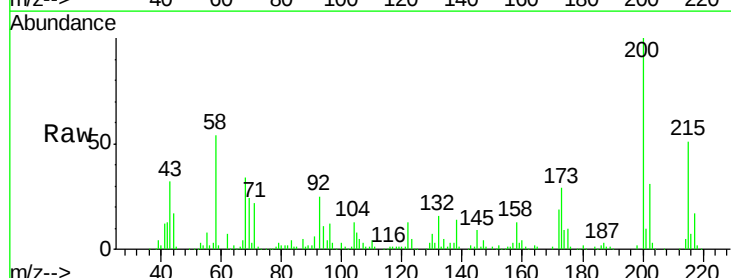
RT: 16.50 min Scan# 2350

Delta R.T. -0.00 min

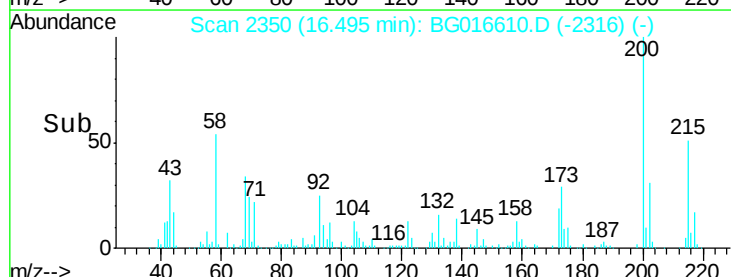
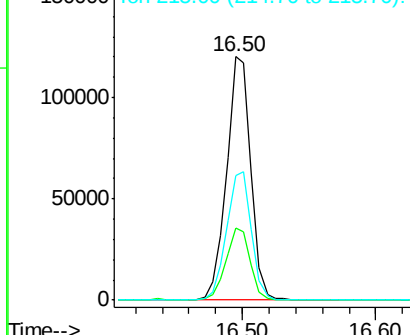
Lab File: BG016610.D

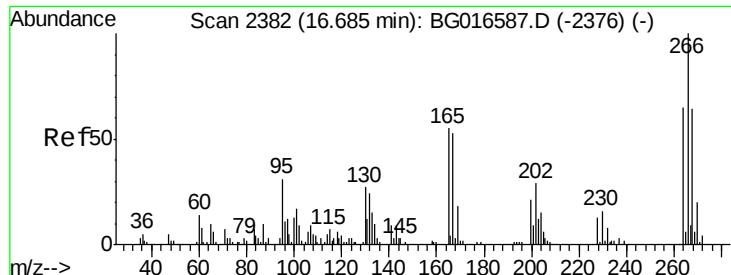
Acq: 22 Apr 2015 8:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 153357 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 29.4  | 9.8   | 49.8   |
| 215       | 51.4  | 31.7  | 71.7   |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





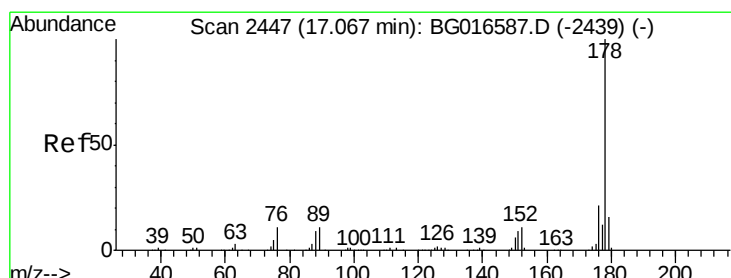
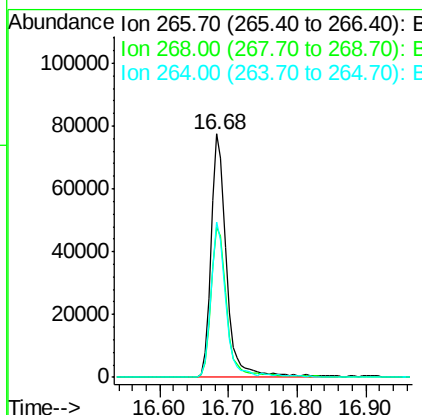
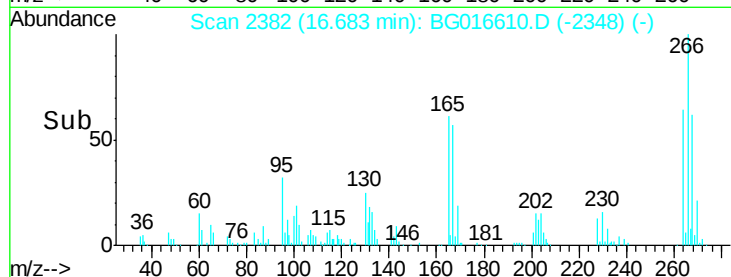
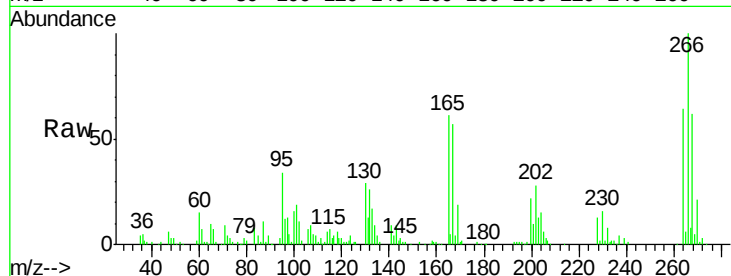
#69  
 Pentachlorophenol  
 Concen: 89.00 ng  
 RT: 16.68 min Scan# 2382  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleID :  
 S8-0437MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 121615 |       |       |
| 268     | 61.8  | 51.3   | 76.9  |       |
| 264     | 63.8  | 52.2   | 78.4  |       |

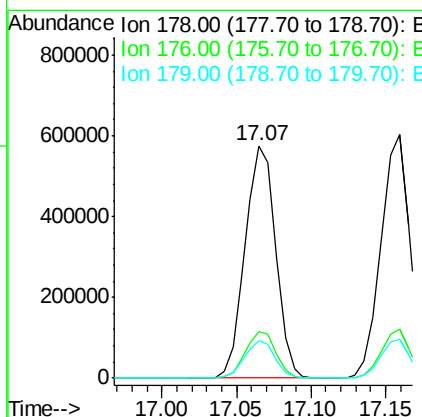
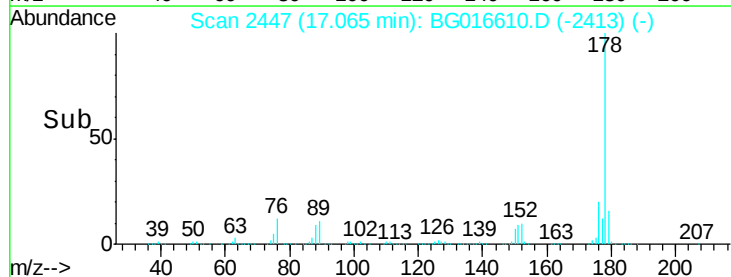
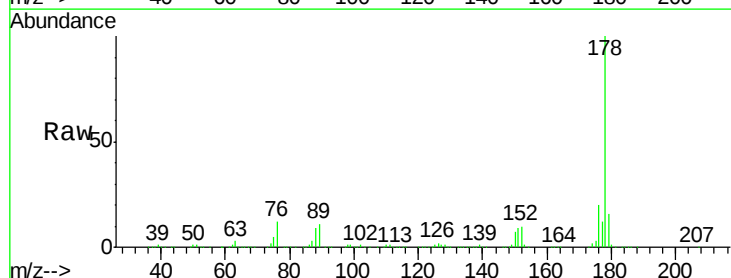
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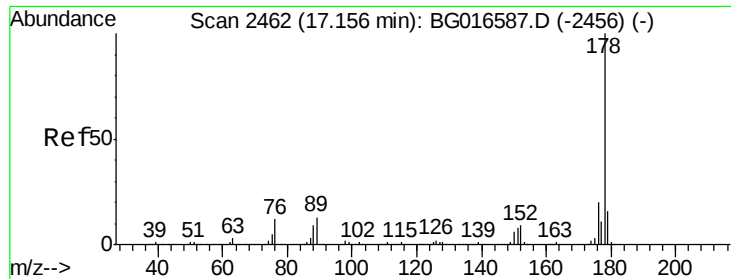
apatel  
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#70  
 Phenanthrene  
 Concen: 44.93 ng  
 RT: 17.07 min Scan# 2447  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 813775 |       |       |
| 176     | 20.2  | 16.6   | 25.0  |       |
| 179     | 16.3  | 12.9   | 19.3  |       |





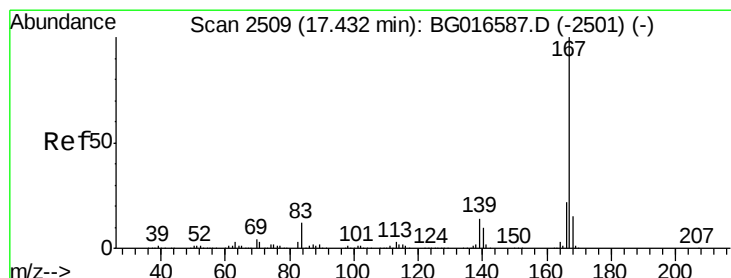
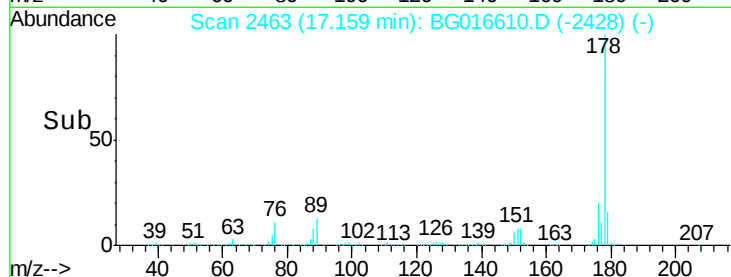
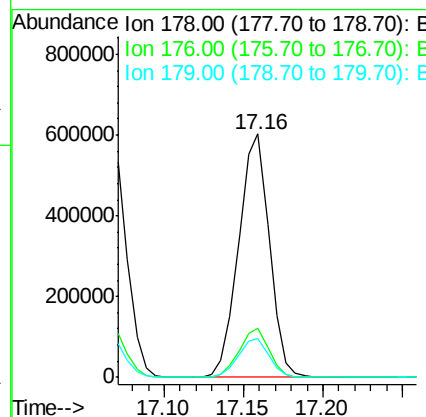
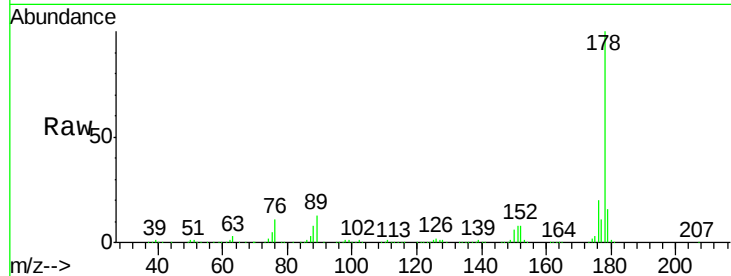
#71  
 Anthracene  
 Concen: 44.78 ng  
 RT: 17.16 min Scan# 2463  
 Delta R.T. 0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.3  | 15.9  | 23.9  |
| 179     | 16.1  | 12.8  | 19.2  |

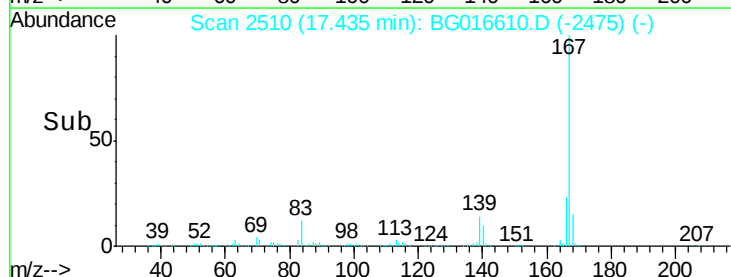
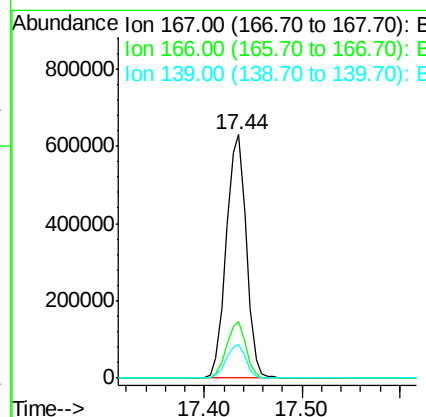
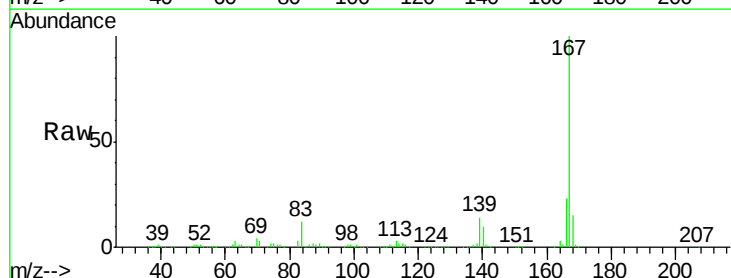
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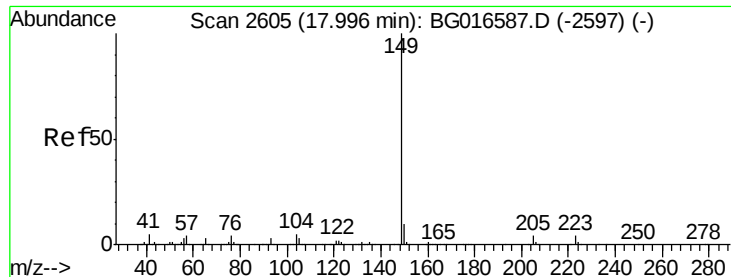
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#72  
 Carbazole  
 Concen: 48.79 ng  
 RT: 17.44 min Scan# 2510  
 Delta R.T. 0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 23.3  | 17.8  | 26.8  |
| 139     | 14.0  | 11.0  | 16.4  |





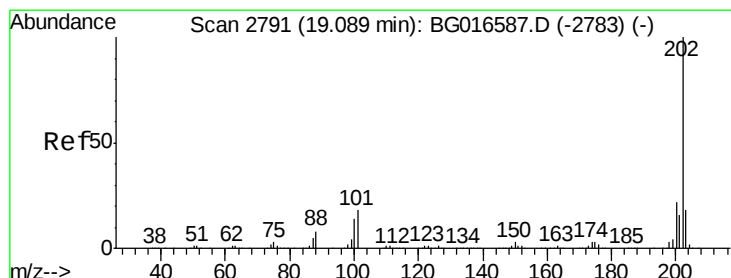
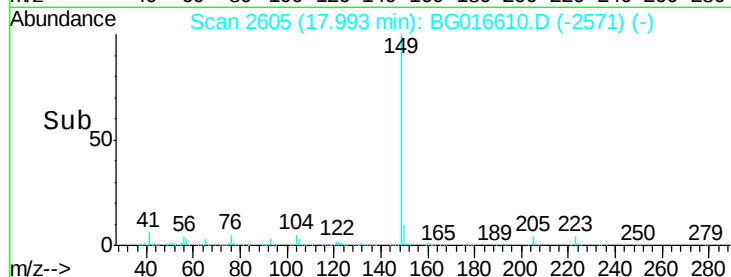
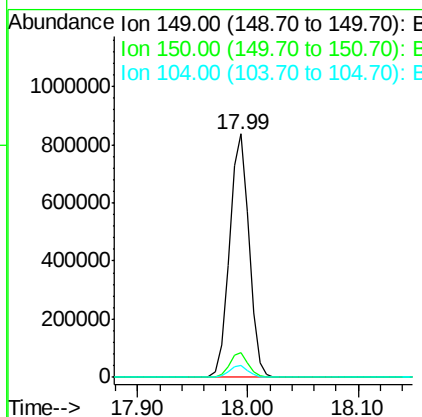
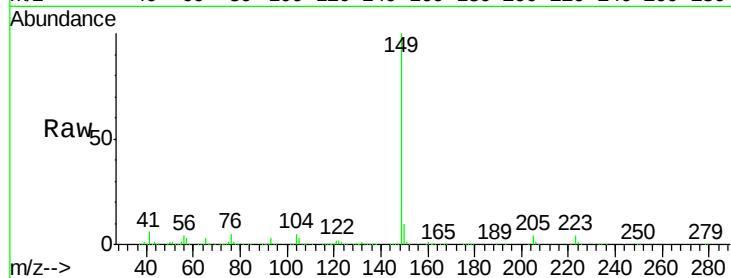
#73  
Di-n-butylphthalate  
Concen: 46.46 ng  
RT: 17.99 min Scan# 2605  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

Tot Ion:149 Resp: 1038451  
Ion Ratio Lower Upper  
149 100  
150 10.1 7.9 11.9  
104 4.8 3.8 5.6

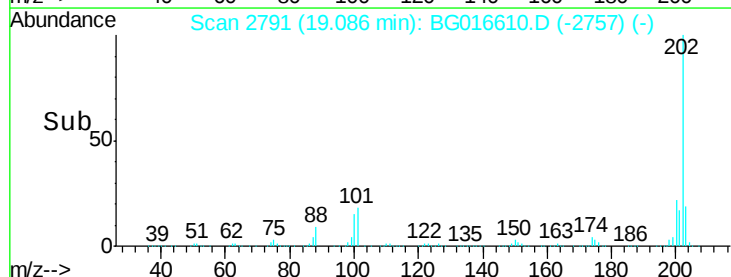
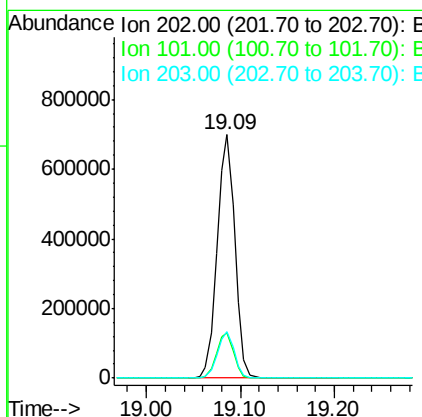
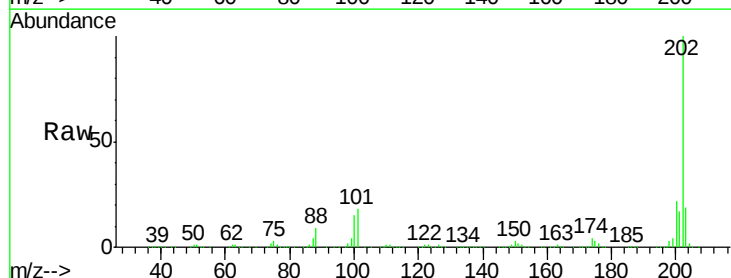
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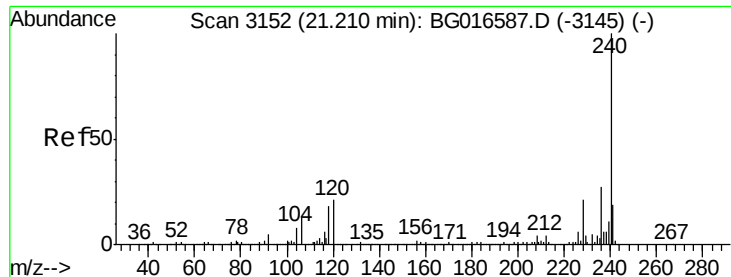
apatel  
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#74  
Fluoranthene  
Concen: 47.17 ng  
RT: 19.09 min Scan# 2791  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Tgt Ion:202 Resp: 920473  
Ion Ratio Lower Upper  
202 100  
101 18.5 0.0 37.9  
203 18.9 0.0 38.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.21 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

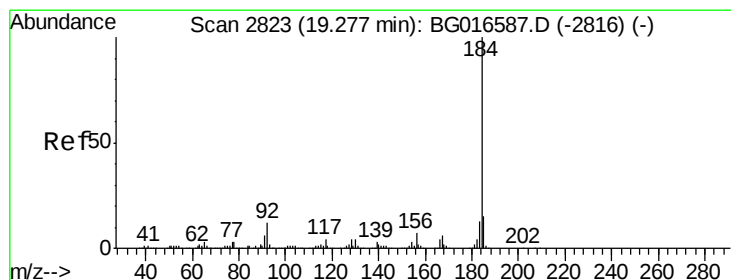
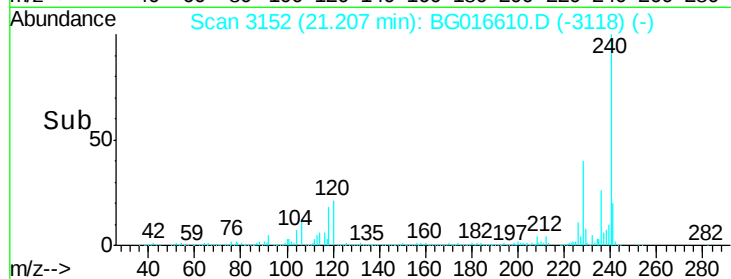
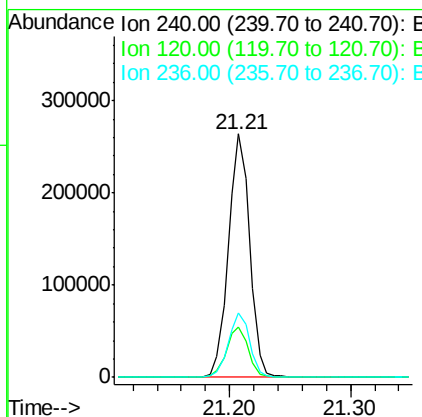
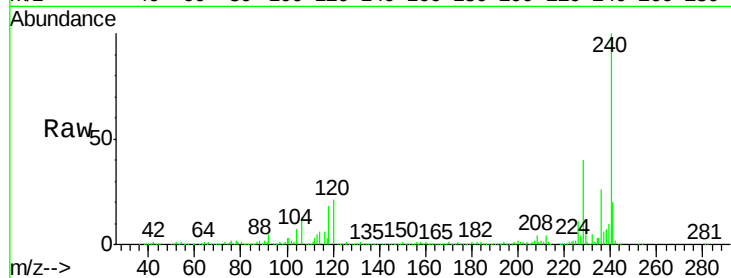
ClientSampleId :

S8-0437MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 323471 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 20.7  | 16.7  | 25.1   |
| 236       | 26.2  | 21.7  | 32.5   |

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#76

Benzidine

Concen: 2.47 ng

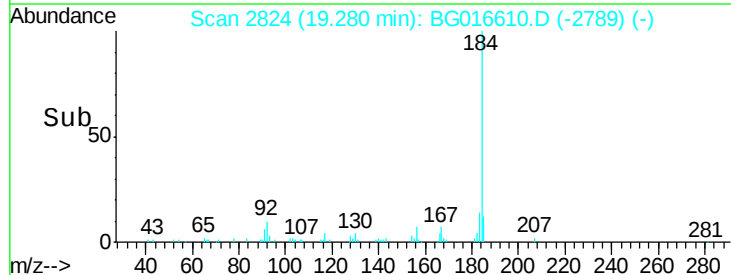
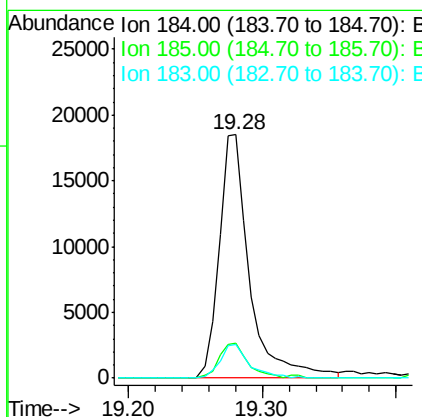
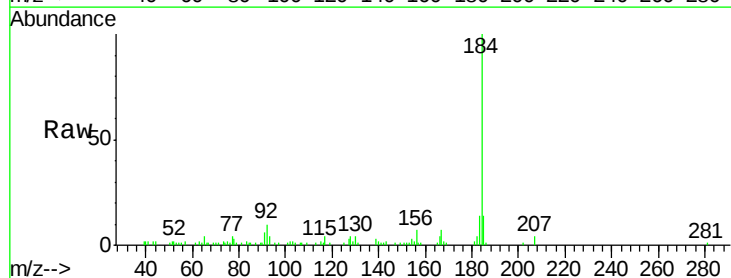
RT: 19.28 min Scan# 2824

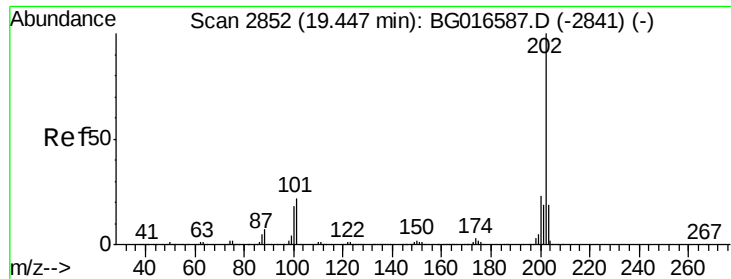
Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 29600 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 14.2  | 11.8  | 17.6  |
| 183       | 13.7  | 10.3  | 15.5  |





#77

Pvrene

Concen: 44.27 ng

RT: 19.45 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

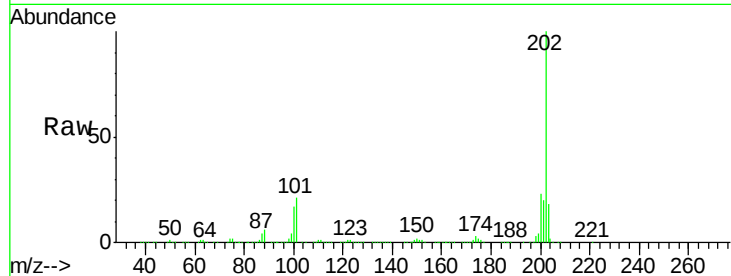
ClientSampleId :

S8-0437MS

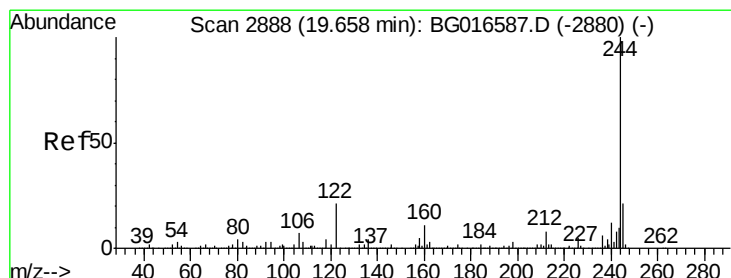
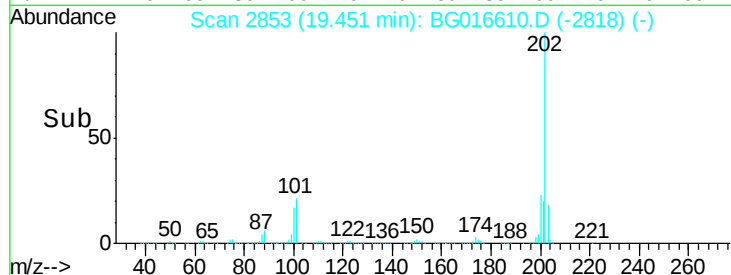
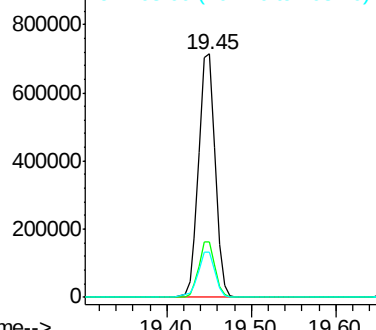
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 202  | Resp: | 961804 |
| Ion Ratio |      | Lower | Upper  |
| 202       | 100  |       |        |
| 200       | 22.7 | 18.2  | 27.2   |
| 203       | 18.4 | 15.2  | 22.8   |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 75.84 ng

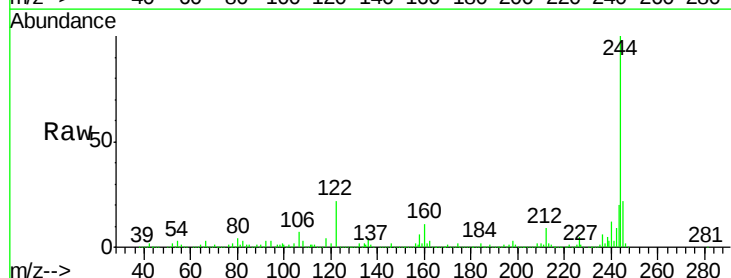
RT: 19.66 min Scan# 2888

Delta R.T. -0.00 min

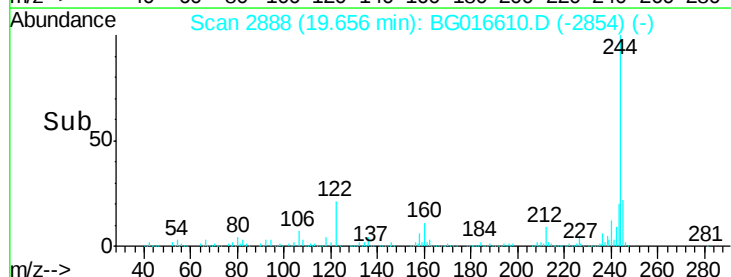
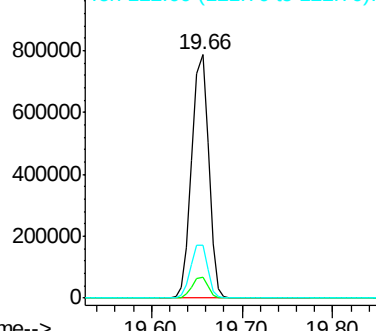
Lab File: BG016610.D

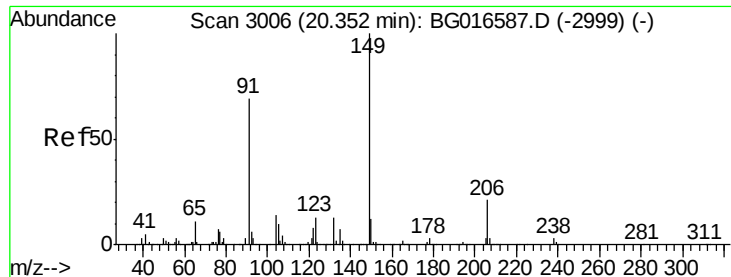
Acq: 22 Apr 2015 8:34

|           |      |       |         |
|-----------|------|-------|---------|
| Tgt Ion:  | 244  | Resp: | 1018248 |
| Ion Ratio |      | Lower | Upper   |
| 244       | 100  |       |         |
| 212       | 8.7  | 6.8   | 10.2    |
| 122       | 21.5 | 17.0  | 25.6    |



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 46.67 ng

RT: 20.35 min Scan# 3006

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

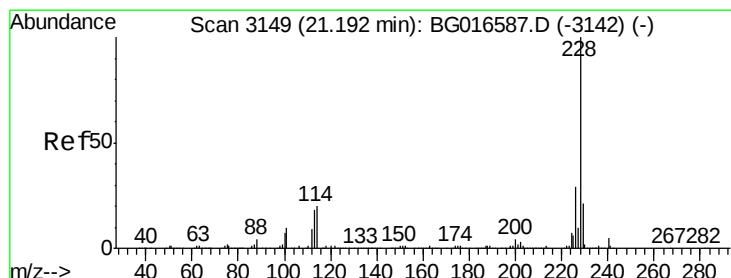
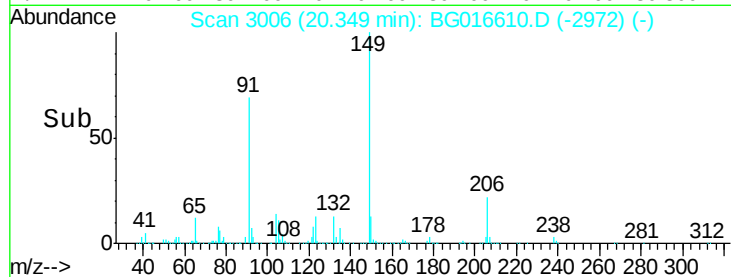
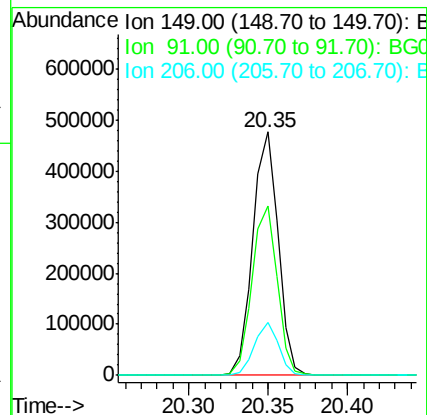
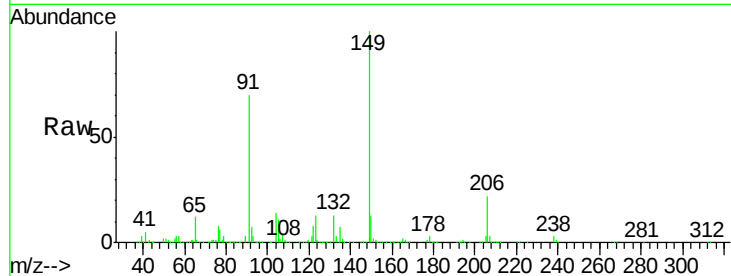
ClientSampleId :

S8-0437MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 530792 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 69.5  | 55.4  | 83.0   |
| 206       | 21.8  | 16.4  | 24.6   |

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#80

Benzo(a)anthracene

Concen: 43.81 ng

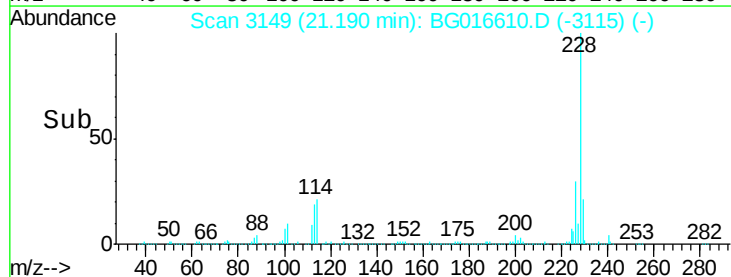
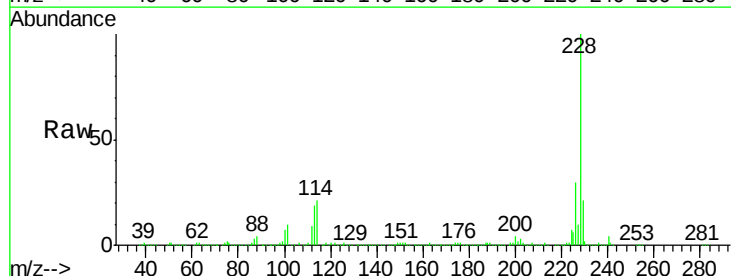
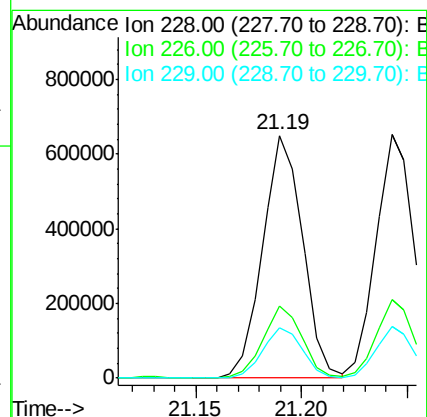
RT: 21.19 min Scan# 3149

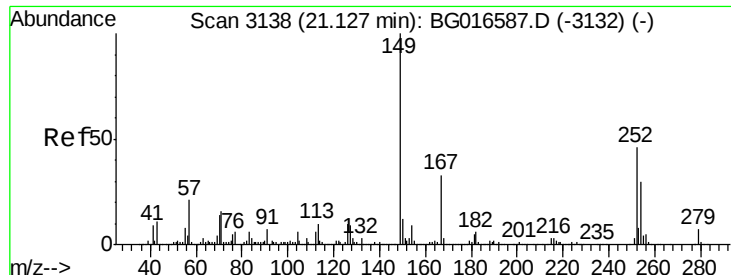
Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 854663 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.7  | 23.2  | 34.8   |
| 229       | 20.9  | 16.9  | 25.3   |





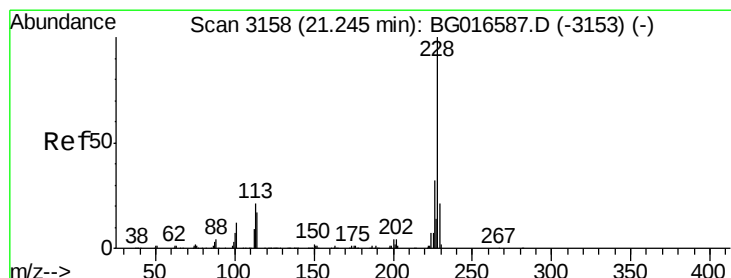
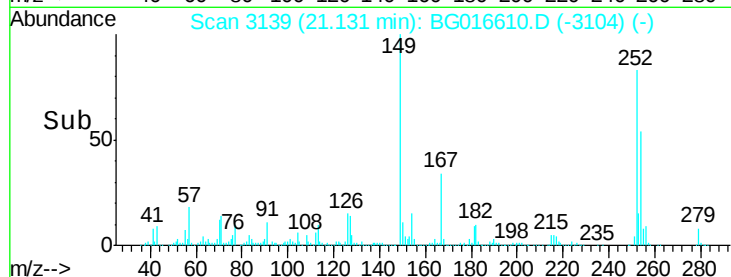
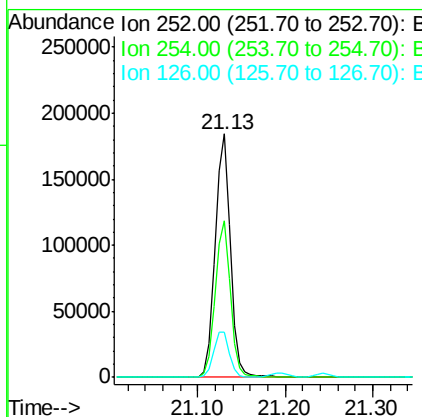
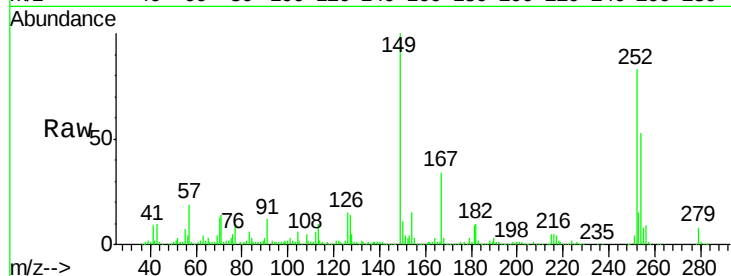
#81  
 3,3'-Dichlorobenzidine  
 Concen: 34.87 ng  
 RT: 21.13 min Scan# 3139  
 Delta R.T. 0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.5  | 52.6       | 78.8  |
| 126     | 18.7  | 18.0       | 27.0  |

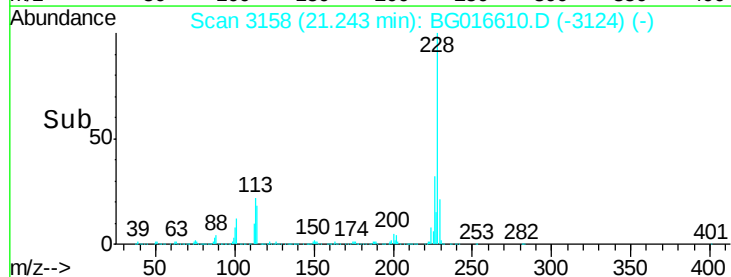
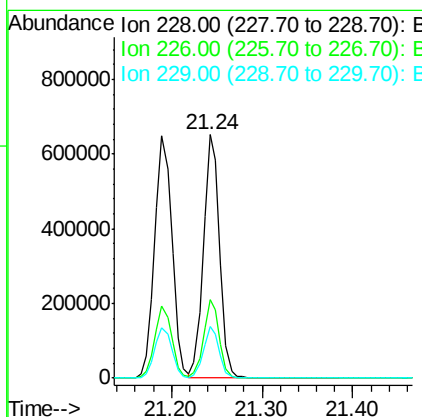
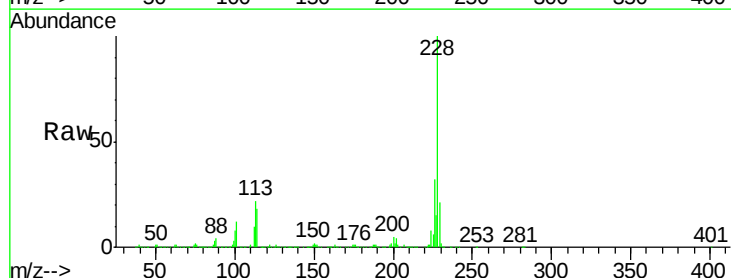
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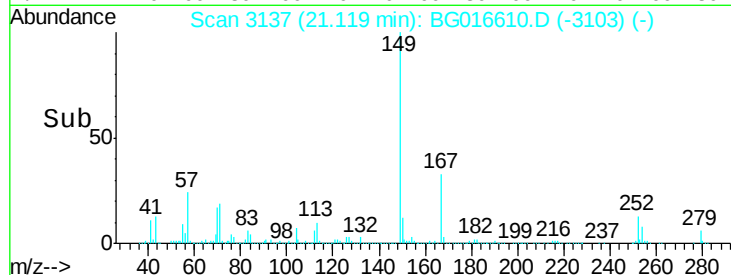
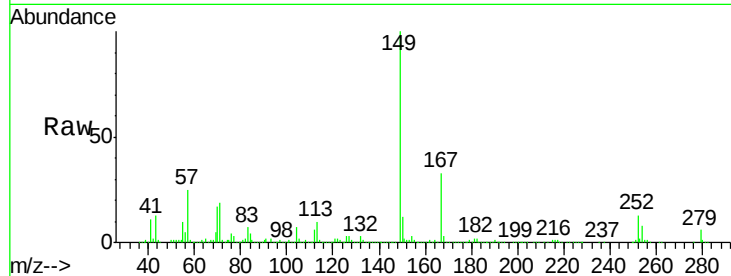
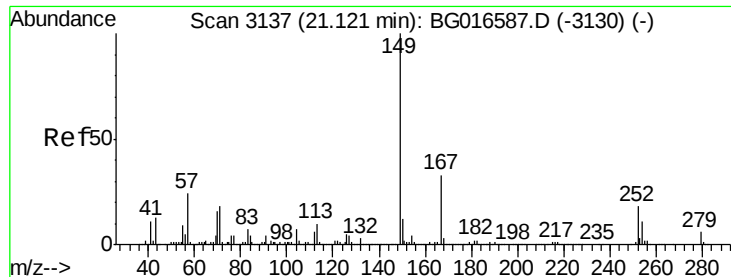
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#82  
 Chrysene  
 Concen: 43.62 ng  
 RT: 21.24 min Scan# 3158  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 32.3  | 25.5       | 38.3  |
| 229     | 21.1  | 16.5       | 24.7  |





#83

Bis(2-ethylhexyl)phthalate

Concen: 46.66 ng

RT: 21.12 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

Instrument :

BNA\_G

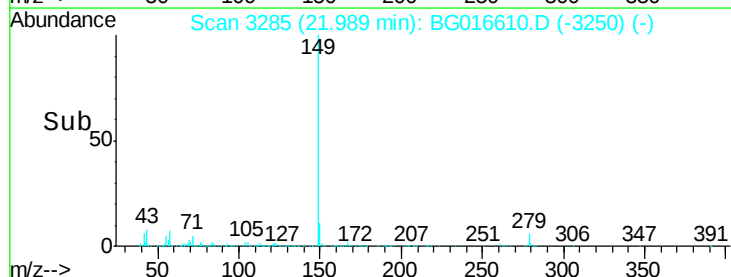
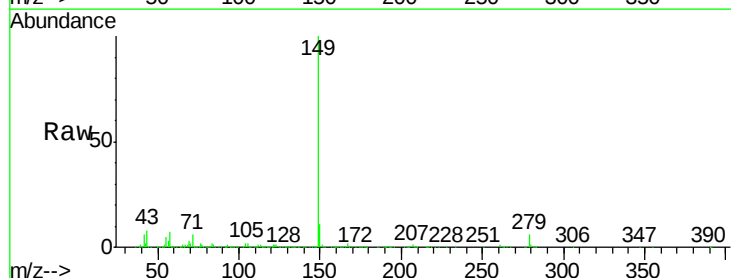
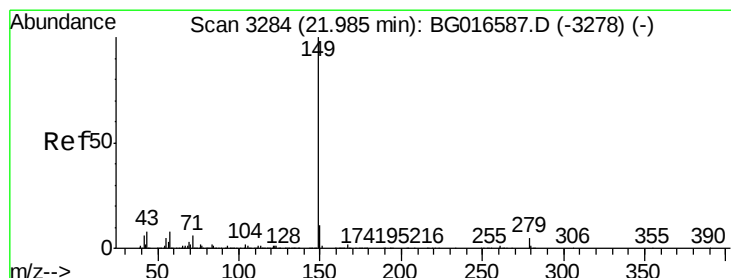
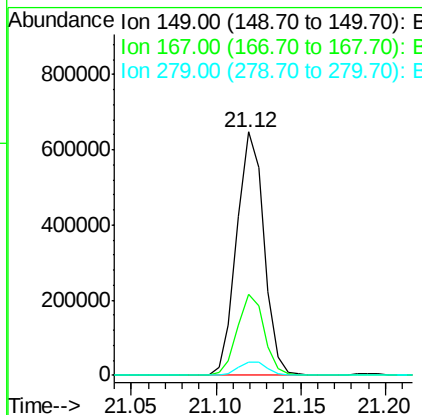
ClientSampleId :

S8-0437MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 728420 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 33.5  | 26.5  | 39.7   |
| 279       | 5.6   | 4.5   | 6.7    |

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#84

Di-n-octyl phthalate

Concen: 45.75 ng

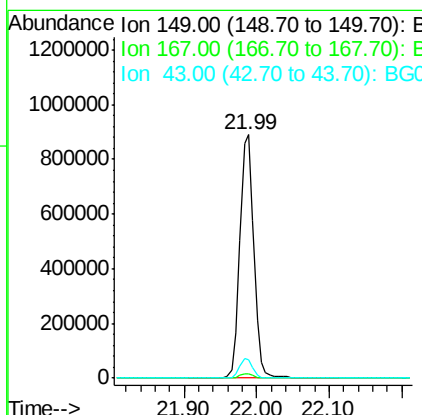
RT: 21.99 min Scan# 3285

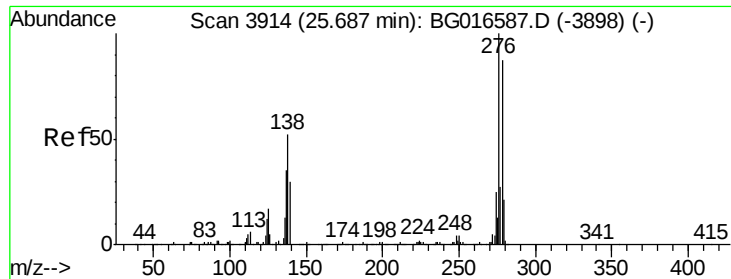
Delta R.T. 0.00 min

Lab File: BG016610.D

Acq: 22 Apr 2015 8:34

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1186040 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 1.8   | 1.4   | 2.0     |
| 43        | 7.7   | 6.2   | 9.2     |





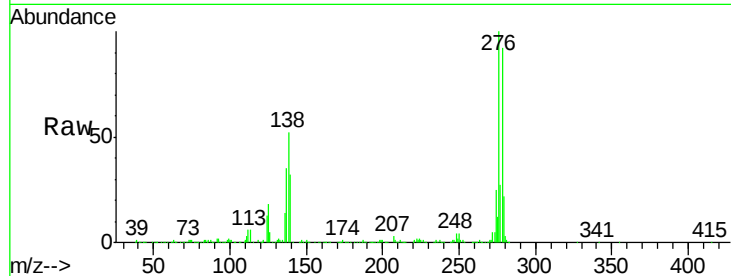
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 43.60 ng  
 RT: 25.68 min Scan# 3914  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

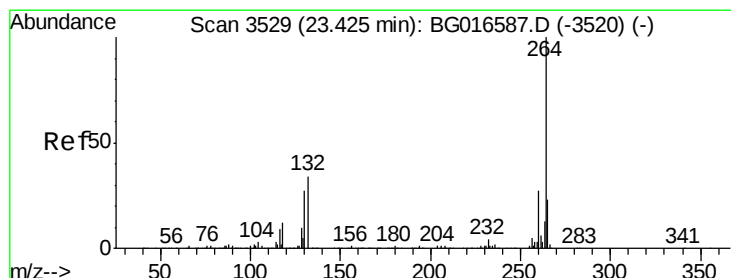
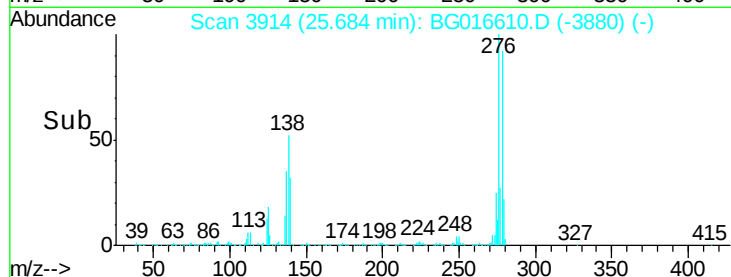
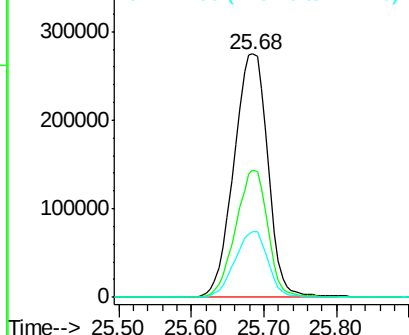
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 896109 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 49.7  | 39.7  | 59.5   |
| 277       | 26.3  | 21.4  | 32.2   |

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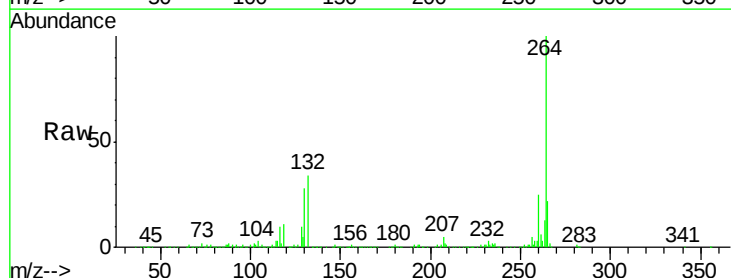


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

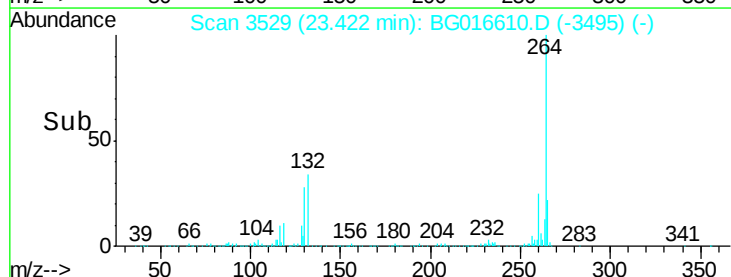
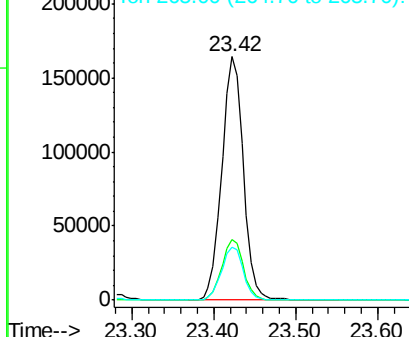


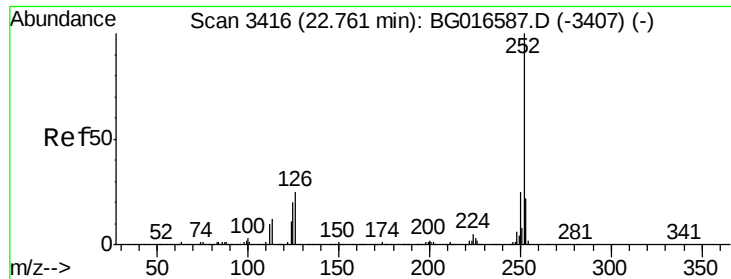
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 23.42 min Scan# 3529  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 302052 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.8  | 21.4  | 32.2   |
| 265       | 21.8  | 18.7  | 28.1   |



Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





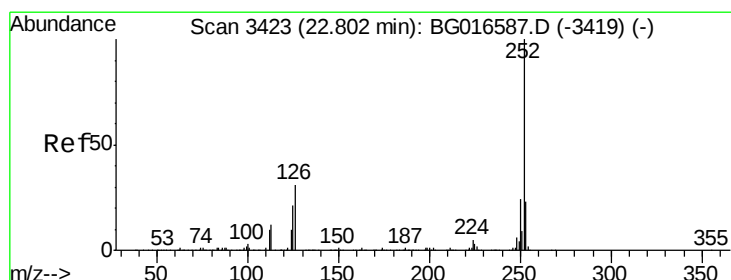
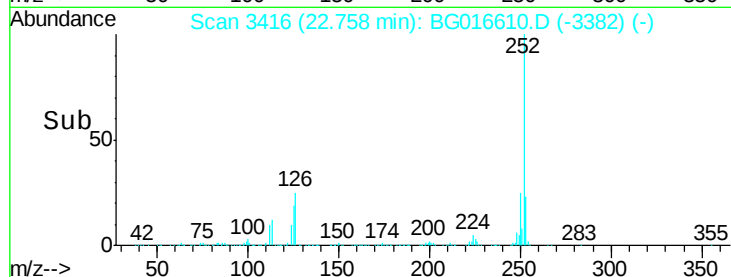
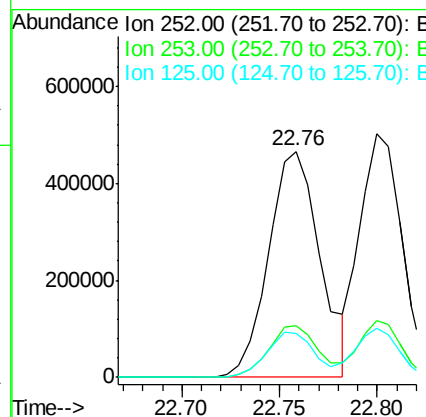
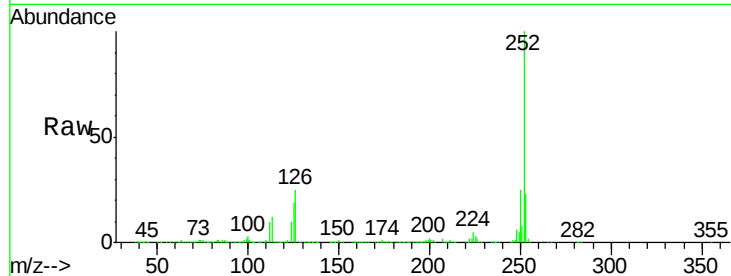
#87  
Benzo(b)fluoranthene  
Concen: 47.18 ng  
RT: 22.76 min Scan# 3416  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.8  | 17.9  | 26.9  |
| 125     | 19.2  | 15.8  | 23.8  |

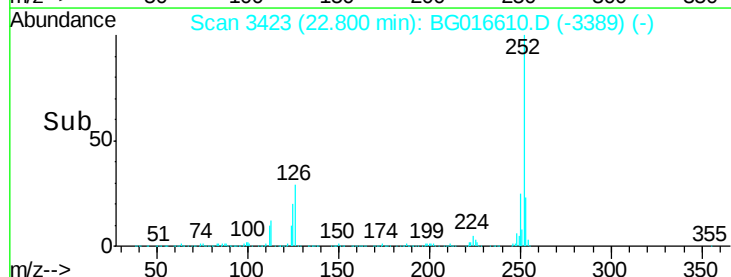
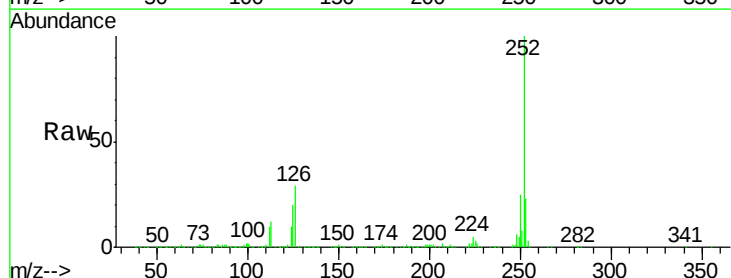
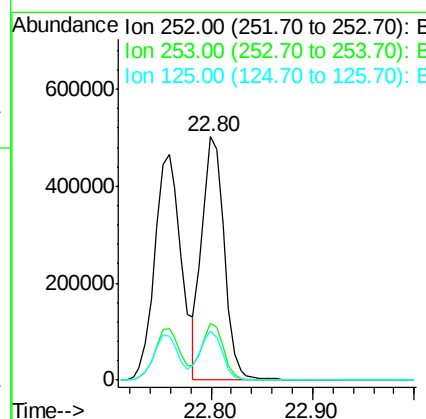
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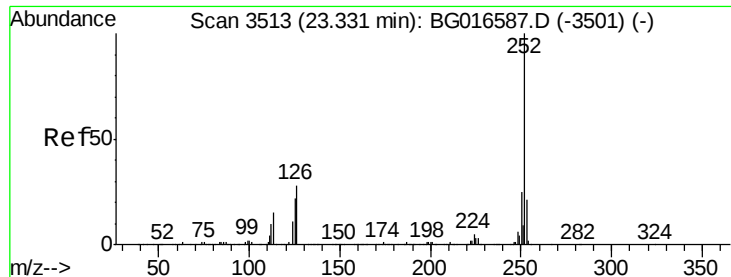
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#88  
Benzo(k)fluoranthene  
Concen: 43.05 ng  
RT: 22.80 min Scan# 3423  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.4  | 18.6  | 27.8  |
| 125     | 20.4  | 16.0  | 24.0  |





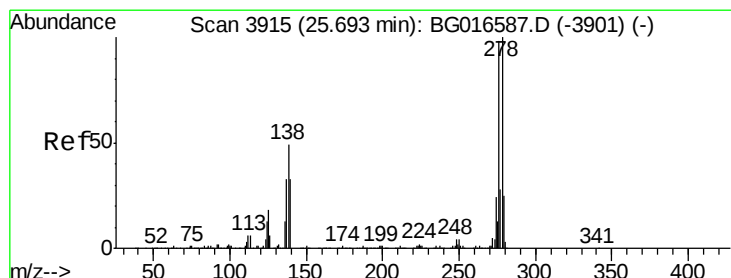
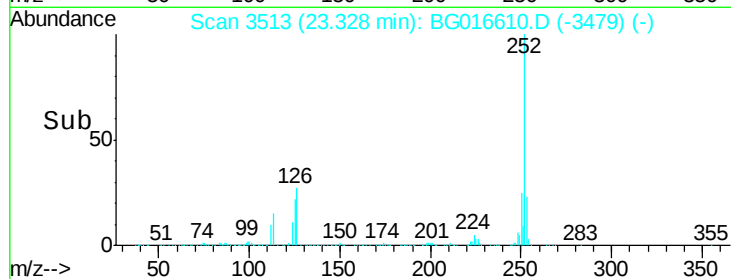
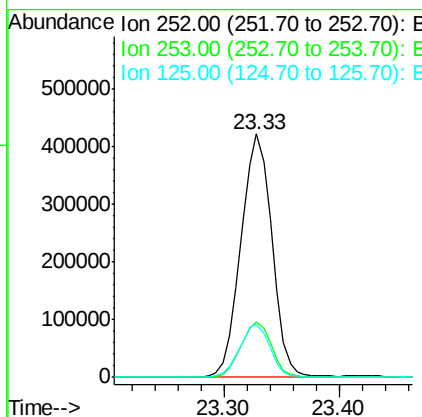
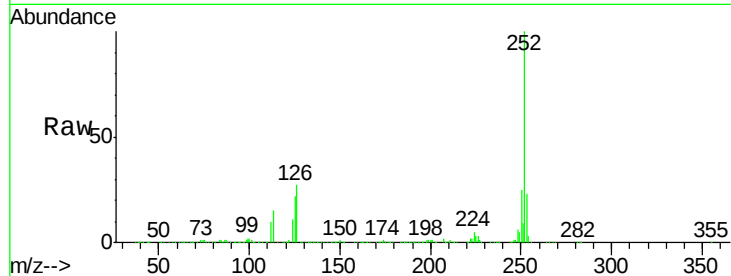
#89  
Benzo(a)pyrene  
Concen: 46.18 ng  
RT: 23.33 min Scan# 3513  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

Instrument :  
BNA\_G  
ClientSampleId :  
S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.2  | 25.8  |
| 125     | 21.7  | 17.3  | 25.9  |

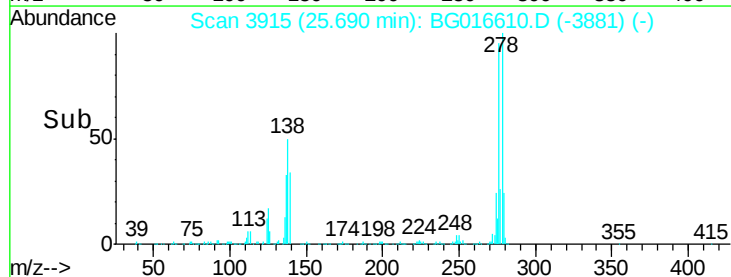
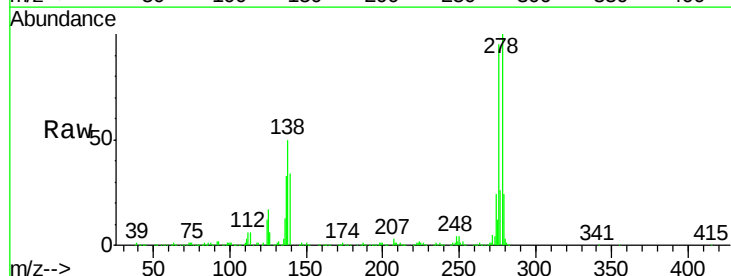
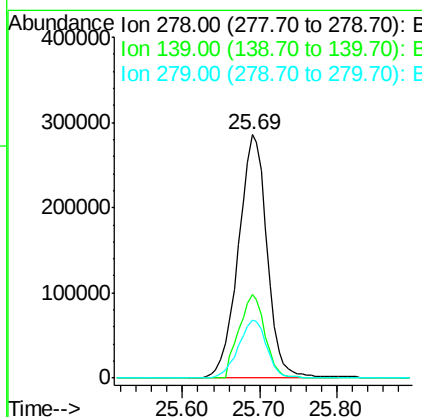
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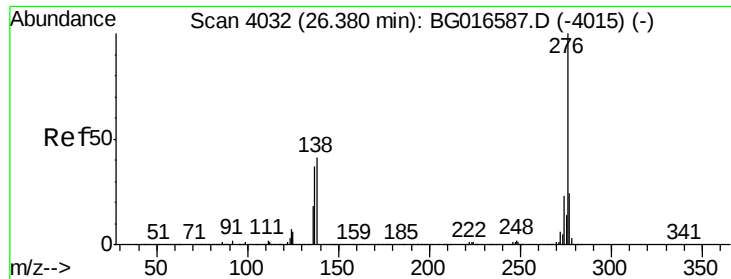
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#90  
Dibenzo(a,h)anthracene  
Concen: 44.82 ng  
RT: 25.69 min Scan# 3915  
Delta R.T. -0.00 min  
Lab File: BG016610.D  
Acq: 22 Apr 2015 8:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 34.5  | 26.2  | 39.4  |
| 279     | 23.9  | 19.8  | 29.6  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 45.89 ng  
 RT: 26.38 min Scan# 4032  
 Delta R.T. -0.00 min  
 Lab File: BG016610.D  
 Acq: 22 Apr 2015 8:34

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S8-0437MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.3  | 19.2  | 28.8  |
| 138     | 42.4  | 32.7  | 49.1  |

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