

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041715\  
 Data File : BG016520.D  
 Acq On : 18 Apr 2015 12:23  
 Operator : TP/IZ  
 Sample : G1868-03MSD  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

Manual Integrations  
 APPROVED

apatel  
 4/20/2015 3:59:36 PM

Quant Time: Apr 20 03:52:48 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 20 02:16:57 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 79349    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.44 | 136  | 339013   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.31 | 164  | 189322   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.04 | 188  | 374051   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.23 | 240  | 320906   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.46 | 264  | 308052   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 634767  | 126.25 | ng | 0.00 |
| 7) Phenol-d6             | 6.85  | 99  | 815974  | 108.11 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.82  | 82  | 488803  | 83.53  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.80 | 330 | 167986  | 131.20 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 12.92 | 172 | 978479  | 88.00  | ng | 0.00 |
| 78) Terphenyl-d14        | 19.68 | 244 | 1071997 | 78.18  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.15  | 88  | 78247  | 34.23 | ng | # 91   |
| 3) Pyridine                    | 3.54  | 79  | 214936 | 31.47 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.45  | 42  | 72682  | 35.79 | ng | 98     |
| 6) Aniline                     | 7.00  | 93  | 85182  | 7.90  | ng | 96     |
| 8) 2-Chlorophenol              | 7.23  | 128 | 254557 | 42.16 | ng | 95     |
| 9) Benzaldehyde                | 6.80  | 77  | 43450  | 9.83  | ng | 96     |
| 10) Phenol                     | 6.88  | 94  | 288855 | 35.77 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.10  | 93  | 236831 | 36.78 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.55  | 146 | 225247 | 36.94 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.70  | 146 | 232534 | 36.76 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.01  | 146 | 225553 | 37.29 | ng | 99     |
| 15) Benzyl Alcohol             | 7.91  | 79  | 190084 | 36.13 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 243308 | 33.55 | ng | 98     |
| 17) 2-Methylphenol             | 8.12  | 107 | 204154 | 37.70 | ng | 96     |
| 18) Hexachloroethane           | 8.73  | 117 | 85034  | 35.14 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.46  | 70  | 173034 | 32.00 | ng | 97     |
| 20) 3+4-Methylphenols          | 8.45  | 107 | 276736 | 36.89 | ng | 98     |
| 22) Acetophenone               | 8.48  | 105 | 329815 | 41.96 | ng | 99     |
| 24) Nitrobenzene               | 8.86  | 77  | 243317 | 38.88 | ng | 93     |
| 25) Isophorone                 | 9.38  | 82  | 473760 | 36.45 | ng | 98     |
| 26) 2-Nitrophenol              | 9.56  | 139 | 140868 | 48.27 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 9.64  | 122 | 236473 | 43.50 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.86  | 93  | 292645 | 39.45 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.10 | 162 | 209024 | 48.60 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.31 | 180 | 196974 | 43.86 | ng | 100    |
| 31) Naphthalene                | 10.49 | 128 | 719193 | 40.71 | ng | 99     |
| 32) Benzoic acid               | 9.79  | 122 | 64071  | 23.51 | ng | 92     |
| 33) 4-Chloroaniline            | 10.62 | 127 | 19567  | 2.36  | ng | 94     |
| 34) Hexachlorobutadiene        | 10.78 | 225 | 87207  | 44.21 | ng | 97     |
| 35) Caprolactam                | 11.39 | 113 | 88078m | 32.53 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.76 | 107 | 239946 | 42.23 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.11 | 142 | 524478 | 41.27 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216 | 180892 | 43.40 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.46 | 237 | 150988 | 79.14 | ng | 97     |

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 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

Manual Integrations  
 APPROVED

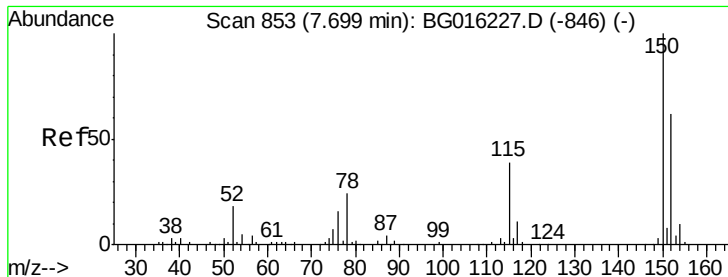
apatel  
 4/20/2015 3:59:36 PM

Quant Time: Apr 20 03:52:48 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 20 02:16:57 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.74 | 196  | 143317   | 46.27 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 12.82 | 196  | 157551   | 47.61 | ng    | 94       |
| 45) 1,1'-Biphenyl              | 13.14 | 154  | 623505   | 42.93 | ng    | 98       |
| 46) 2-Chloronaphthalene        | 13.17 | 162  | 472417   | 42.70 | ng    | 100      |
| 47) 2-Nitroaniline             | 13.39 | 65   | 144947   | 40.65 | ng    | 93       |
| 48) Acenaphthylene             | 14.02 | 152  | 808135   | 41.08 | ng    | 98       |
| 49) Dimethylphthalate          | 13.77 | 163  | 571480   | 41.19 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.89 | 165  | 146166   | 43.55 | ng    | 95       |
| 51) Acenaphthene               | 14.37 | 154  | 491065   | 41.77 | ng    | 100      |
| 52) 3-Nitroaniline             | 14.22 | 138  | 22663    | 5.29  | ng    | 90       |
| 53) 2,4-Dinitrophenol          | 14.43 | 184  | 69323    | 40.27 | ng    | 91       |
| 54) Dibenzofuran               | 14.70 | 168  | 702279   | 43.05 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.55 | 139  | 226042   | 63.82 | ng    | 94       |
| 56) 2,4-Dinitrotoluene         | 14.68 | 165  | 202682   | 44.34 | ng    | 91       |
| 57) Fluorene                   | 15.35 | 166  | 600785   | 41.74 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.93 | 232  | 113672   | 44.51 | ng    | 95       |
| 59) Diethylphthalate           | 15.13 | 149  | 598525   | 40.52 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.34 | 204  | 249102   | 42.31 | ng    | 98       |
| 61) 4-Nitroaniline             | 15.39 | 138  | 171221   | 35.20 | ng    | 98       |
| 62) Azobenzene                 | 15.64 | 77   | 607790   | 38.66 | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 73163    | 29.43 | ng    | 90       |
| 65) n-Nitrosodiphenylamine     | 15.57 | 169  | 530634   | 41.96 | ng    | 98       |
| 66) 4-Bromophenyl-phenylether  | 16.24 | 248  | 129265   | 43.28 | ng    | 97       |
| 67) Hexachlorobenzene          | 16.36 | 284  | 130663   | 42.09 | ng    | 98       |
| 68) Atrazine                   | 16.52 | 200  | 165200   | 46.88 | ng    | 99       |
| 69) Pentachlorophenol          | 16.70 | 266  | 104192   | 54.97 | ng    | 97       |
| 70) Phenanthrene               | 17.09 | 178  | 882898   | 41.96 | ng    | 99       |
| 71) Anthracene                 | 17.18 | 178  | 886898   | 42.54 | ng    | 99       |
| 72) Carbazole                  | 17.45 | 167  | 904573   | 43.23 | ng    | 100      |
| 73) Di-n-butylphthalate        | 18.01 | 149  | 1072625  | 41.89 | ng    | 100      |
| 74) Fluoranthene               | 19.11 | 202  | 906703   | 41.81 | ng    | 97       |
| 76) Benzidine                  | 19.30 | 184  | 101006   | 7.42  | ng    | 97       |
| 77) Pyrene                     | 19.47 | 202  | 937299   | 41.95 | ng    | 100      |
| 79) Butylbenzylphthalate       | 20.37 | 149  | 508399   | 46.31 | ng    | 98       |
| 80) Benzo(a)anthracene         | 21.21 | 228  | 801995   | 42.29 | ng    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.15 | 252  | 83409    | 13.37 | ng    | 97       |
| 82) Chrysene                   | 21.26 | 228  | 768160   | 41.95 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 701097   | 47.17 | ng    | 98       |
| 84) Di-n-octyl phthalate       | 22.01 | 149  | 1170386  | 48.33 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.73 | 276  | 856961   | 45.05 | ng    | 99       |
| 87) Benzo(b)fluoranthene       | 22.78 | 252  | 774142   | 42.91 | ng    | 98       |
| 88) Benzo(k)fluoranthene       | 22.83 | 252  | 751198   | 42.55 | ng    | 99       |
| 89) Benzo(a)pyrene             | 23.36 | 252  | 750737   | 44.40 | ng    | 100      |
| 90) Dibenzo(a,h)anthracene     | 25.74 | 278  | 717450   | 43.60 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 26.43 | 276  | 727102   | 44.24 | ng    | 98       |

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





#1

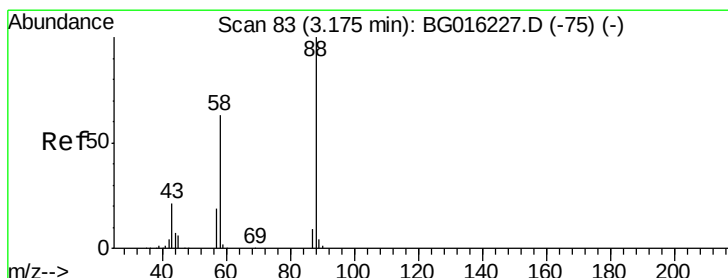
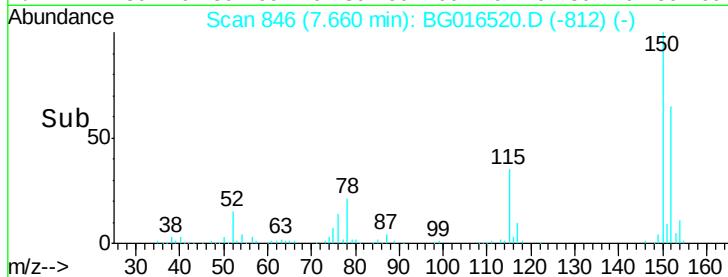
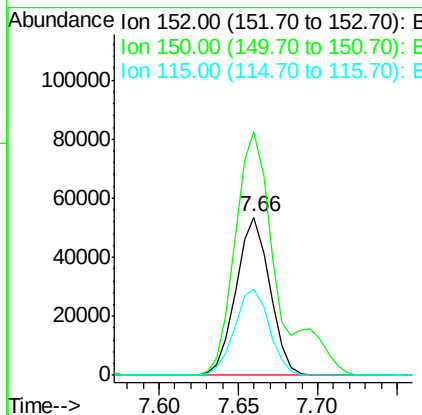
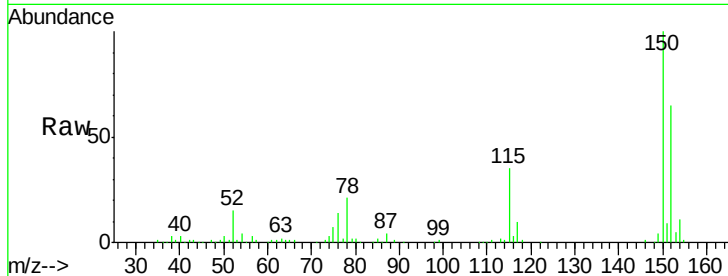
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Concen: 20.00 ng  
RT: 7.66 min Scan# 846  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.7 | 130.1 | 195.1 |
| 115     | 54.4  | 50.5  | 75.7  |

Manual Integrations  
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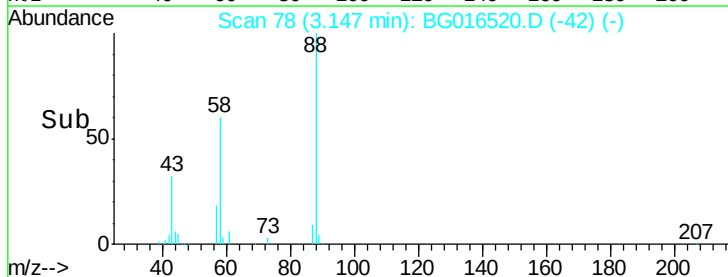
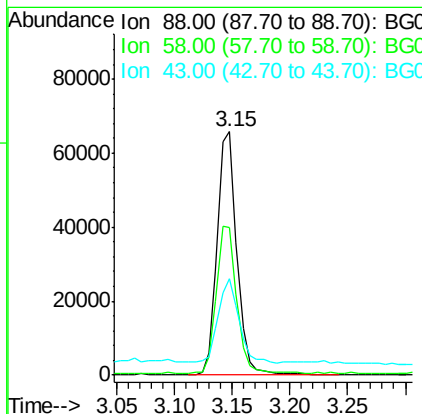
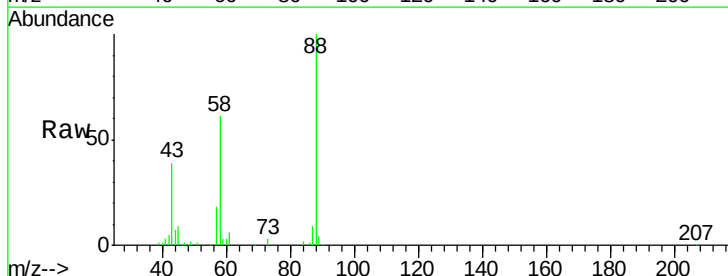
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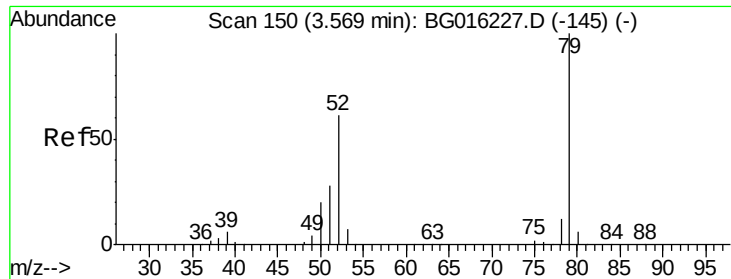


#2

1,4-Dioxane  
Concen: 34.23 ng  
RT: 3.15 min Scan# 78  
Delta R.T. 0.01 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 61.8  | 50.6  | 76.0  |
| 43      | 35.8  | 17.0  | 25.4  |





#3

Pyridine

Concen: 31.47 ng

RT: 3.54 min Scan# 145

Delta R.T. 0.01 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

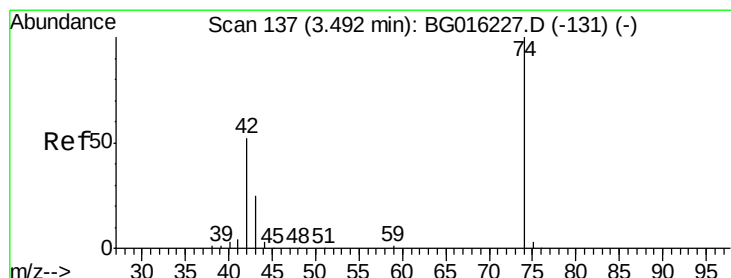
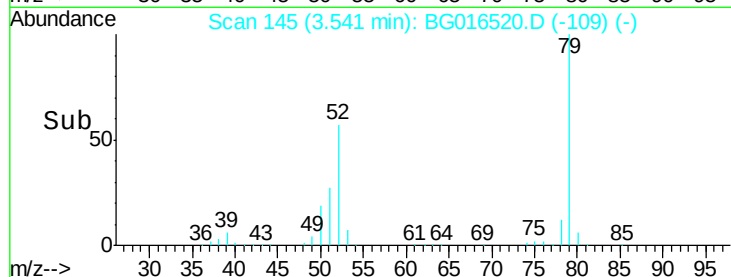
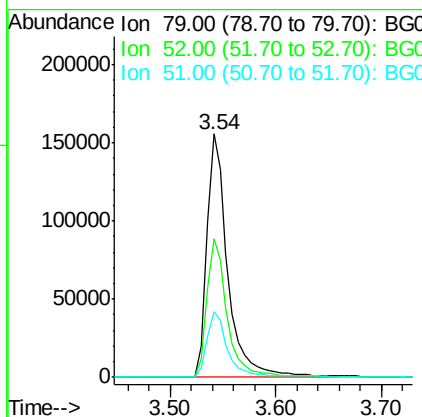
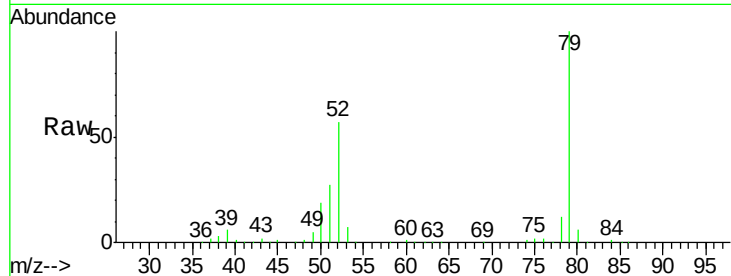
ClientSampleId :

P5-27MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 79    | Resp: | 214936 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 52       | 57.1  | 49.0  | 73.4   |
| 51       | 26.8  | 22.5  | 33.7   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 35.79 ng

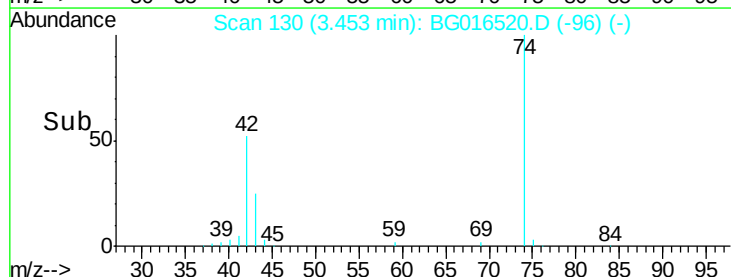
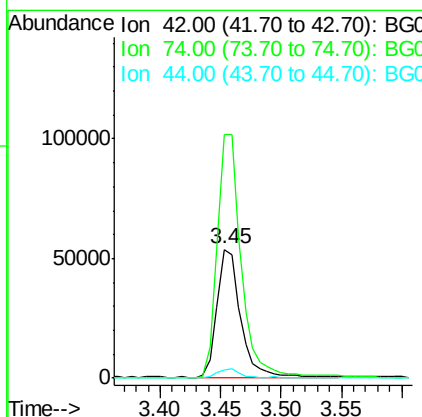
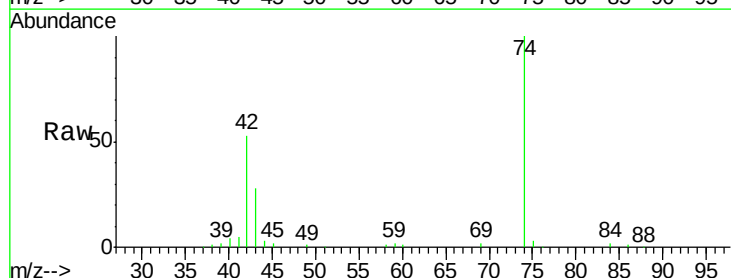
RT: 3.45 min Scan# 130

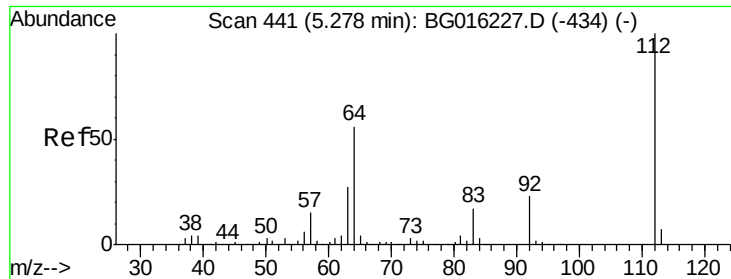
Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 72682 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 188.9 | 153.7 | 230.5 |
| 44       | 6.5   | 5.3   | 7.9   |





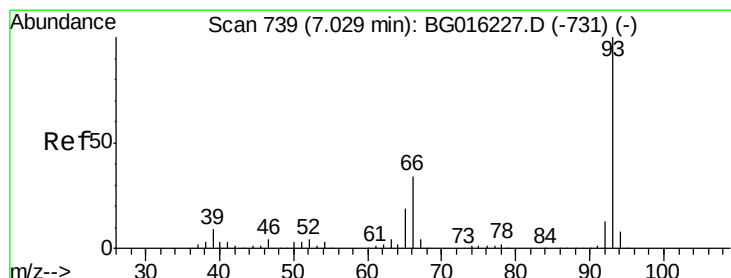
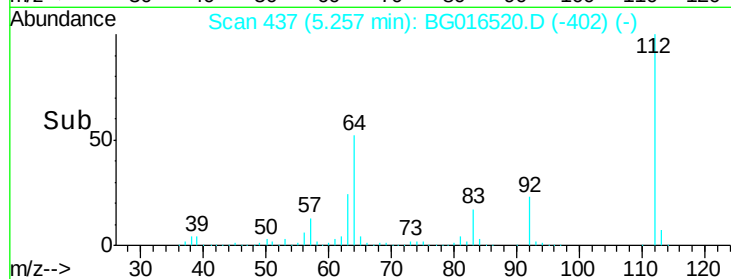
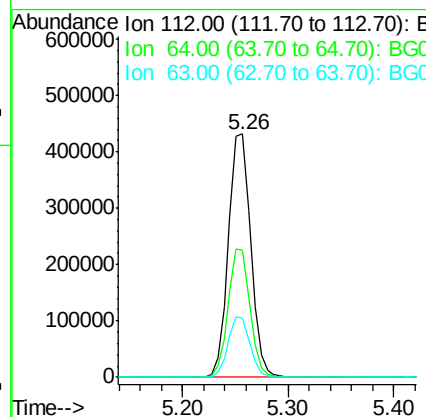
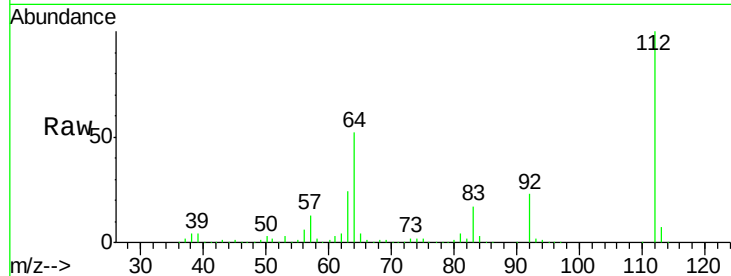
#5  
2-Fluorophenol  
Concen: 126.25 ng  
RT: 5.26 min Scan# 437  
Delta R.T. 0.01 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampled :  
P5-27MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 112     | 100   |            |            |
| 64      | 52.0  | 44.5       | 66.7       |
| 63      | 24.4  | 21.4       | 32.0       |

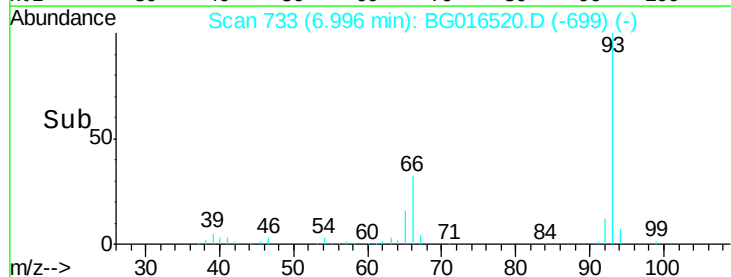
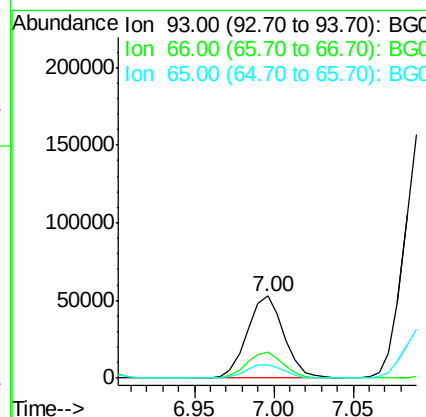
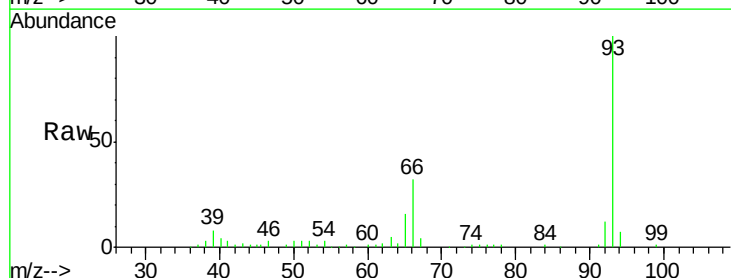
Manual Integrations  
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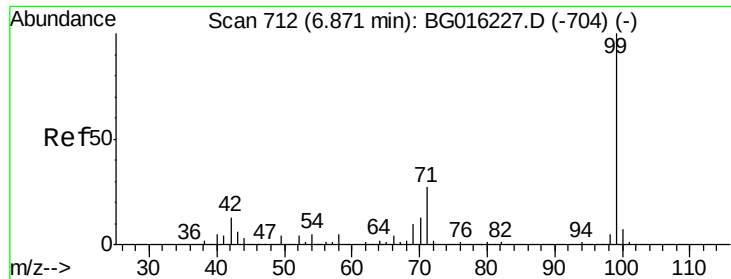
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#6  
Aniline  
Concen: 7.90 ng  
RT: 7.00 min Scan# 733  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 93      | 100   |            |            |
| 66      | 32.4  | 27.5       | 41.3       |
| 65      | 16.2  | 15.1       | 22.7       |





#7

Phenol-d6

Concen: 108.11 ng

RT: 6.85 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

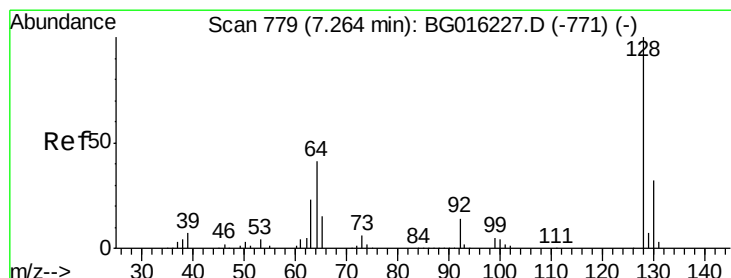
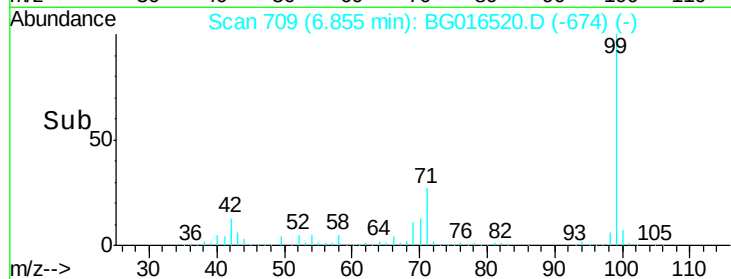
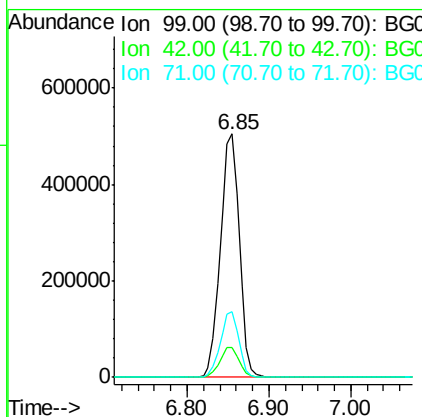
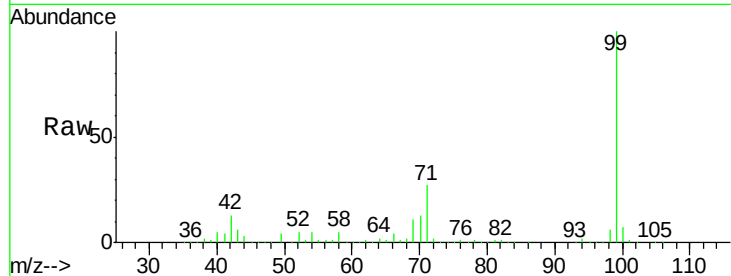
ClientSampleId :

P5-27MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 815974 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 12.5  | 10.0  | 15.0   |
| 71        | 27.0  | 21.5  | 32.3   |

Manual Integrations  
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4/20/2015 3:59:36 PM



#8

2-Chlorophenol

Concen: 42.16 ng

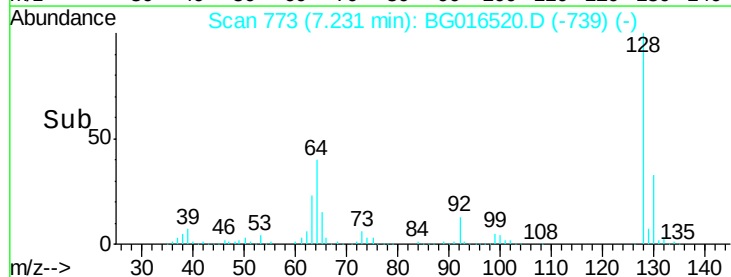
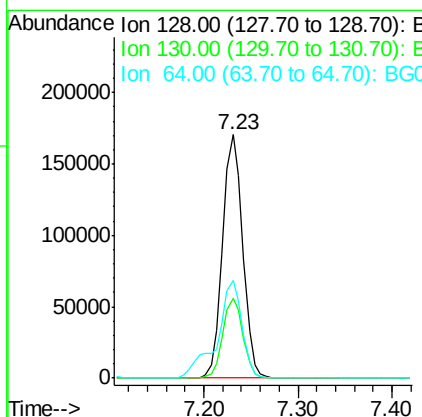
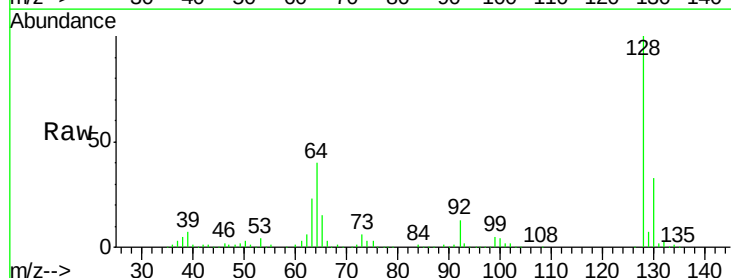
RT: 7.23 min Scan# 773

Delta R.T. 0.00 min

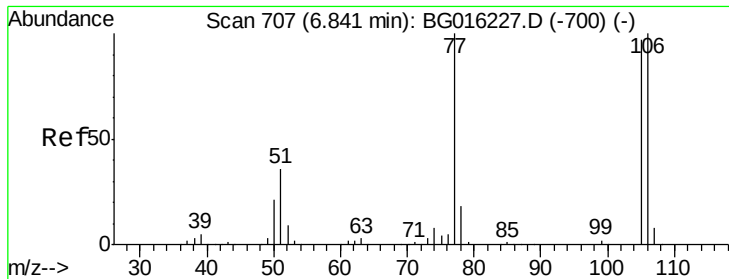
Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 254557 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.6  | 11.6  | 51.6   |
| 64        | 40.0  | 24.2  | 64.2   |







#9

Benzaldehyde

Concen: 9.83 ng

RT: 6.80 min Scan# 700

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

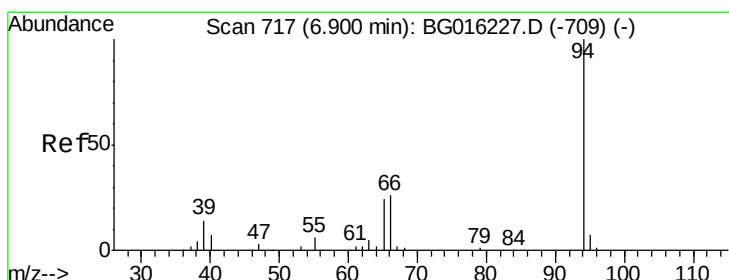
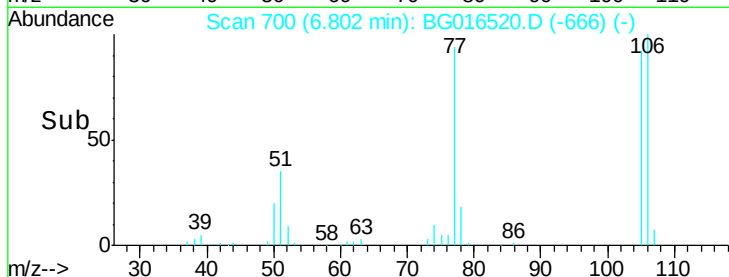
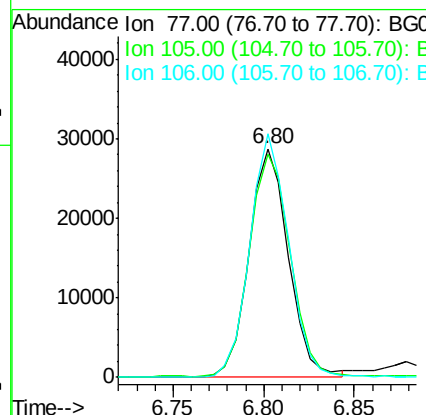
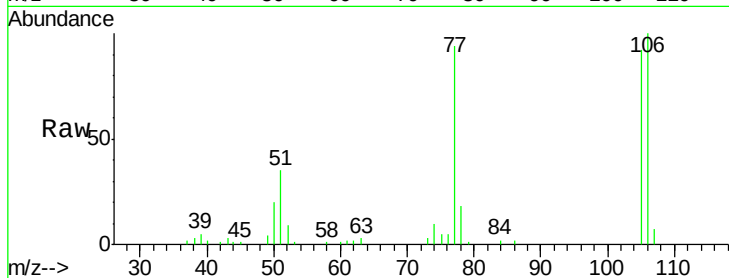
ClientSampleId :

P5-27MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 43450 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 97.7  | 76.8  | 116.8 |
| 106      | 106.4 | 80.1  | 120.1 |

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#10

Phenol

Concen: 35.77 ng

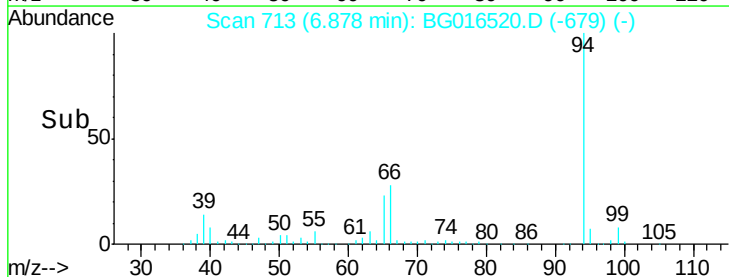
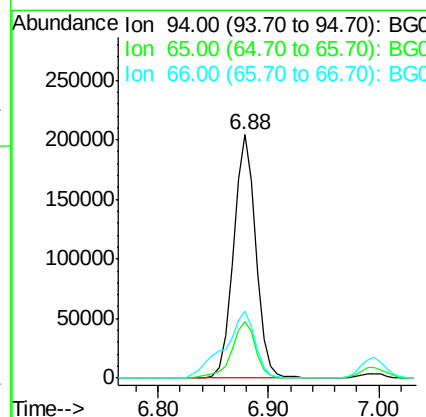
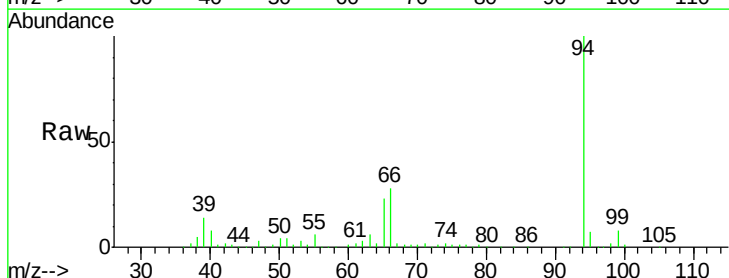
RT: 6.88 min Scan# 713

Delta R.T. 0.00 min

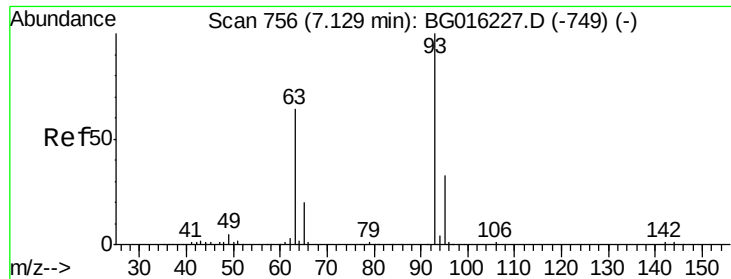
Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 288855 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 23.4  | 3.8   | 43.8   |
| 66       | 27.6  | 7.4   | 47.4   |







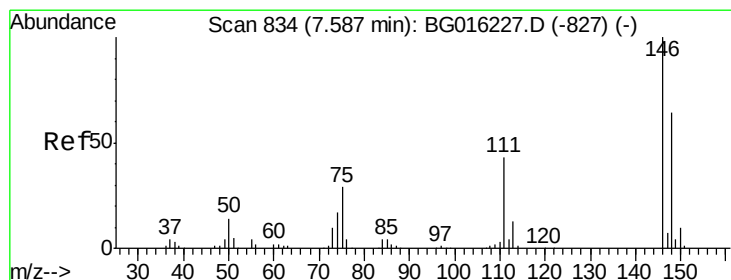
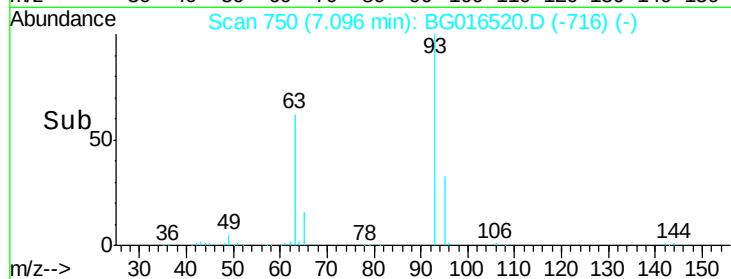
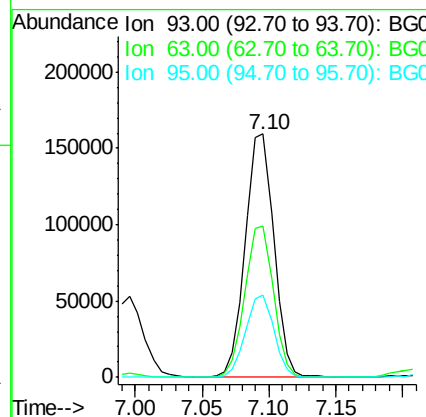
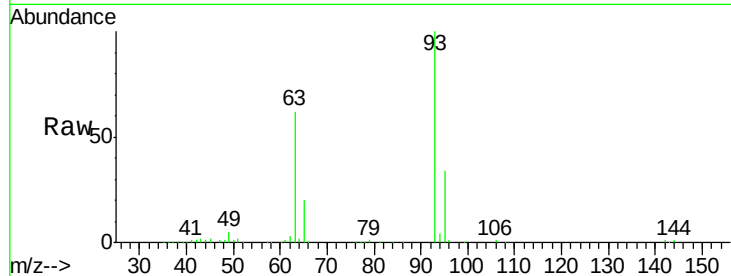
#11  
bis(2-Chloroethyl)ether  
Concen: 36.78 ng  
RT: 7.10 min Scan# 750  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 93      | 100   |            |            |
| 63      | 62.4  | 44.1       | 84.1       |
| 95      | 34.0  | 12.5       | 52.5       |

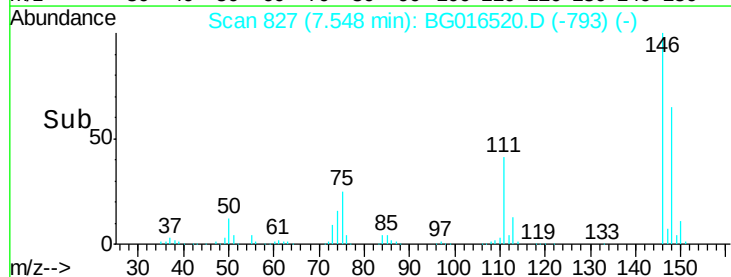
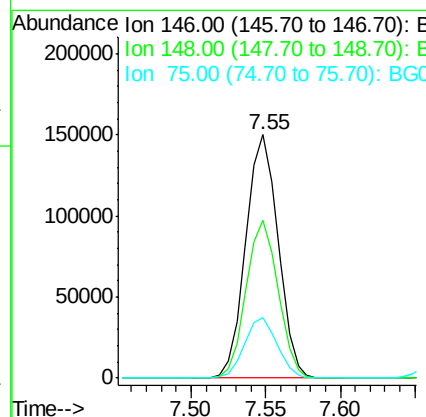
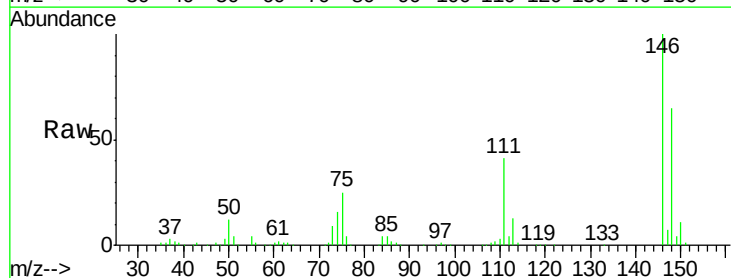
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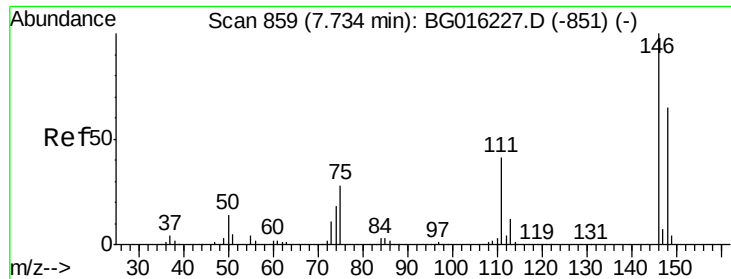
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#12  
1,3-Dichlorobenzene  
Concen: 36.94 ng  
RT: 7.55 min Scan# 827  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 146     | 100   |            |            |
| 148     | 64.7  | 50.9       | 76.3       |
| 75      | 24.8  | 23.3       | 34.9       |





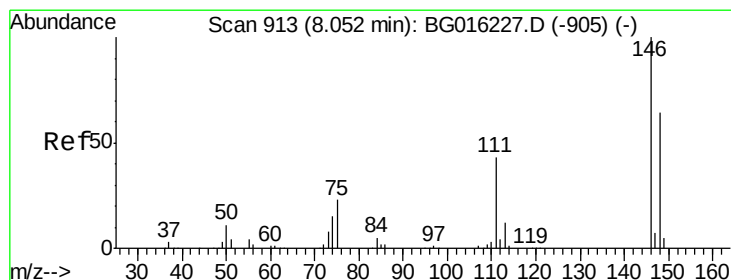
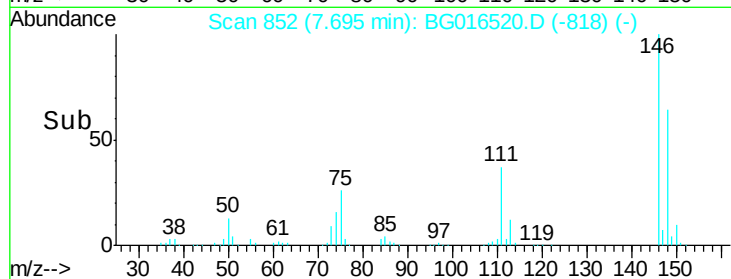
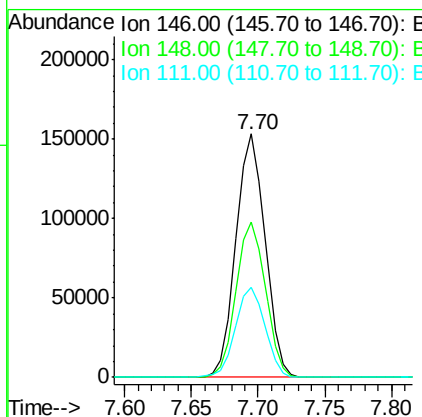
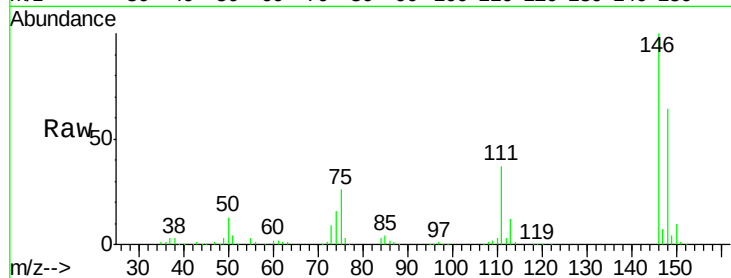
#13  
 1,4-Dichlorobenzene  
 Concen: 36.76 ng  
 RT: 7.70 min Scan# 852  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 52.0  | 78.0  |
| 111     | 36.9  | 32.6  | 49.0  |

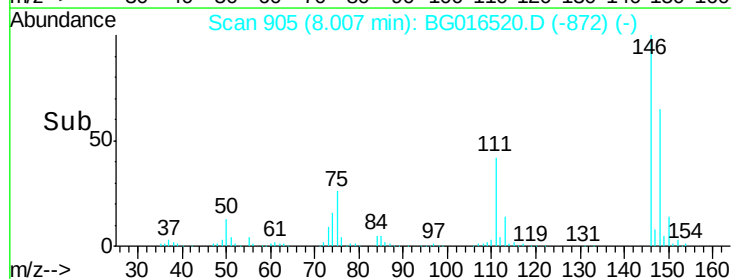
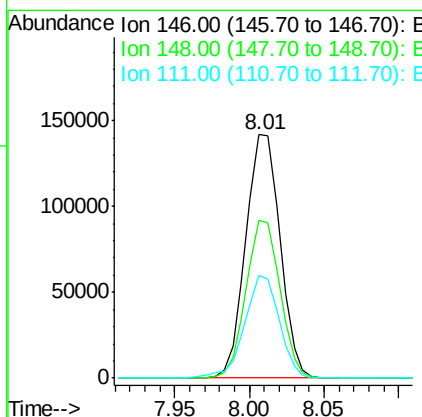
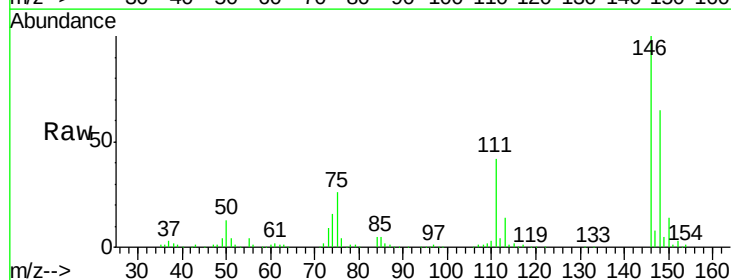
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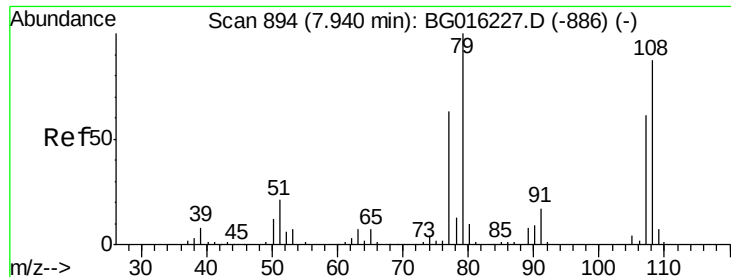
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#14  
 1,2-Dichlorobenzene  
 Concen: 37.29 ng  
 RT: 8.01 min Scan# 905  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.7  | 50.9  | 76.3  |
| 111     | 42.4  | 34.7  | 52.1  |





#15

Benzyl Alcohol

Concen: 36.13 ng

RT: 7.91 min Scan# 888

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

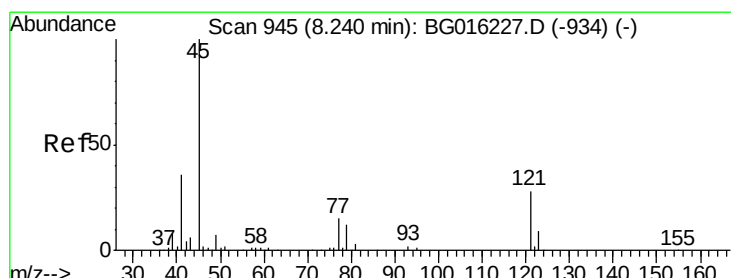
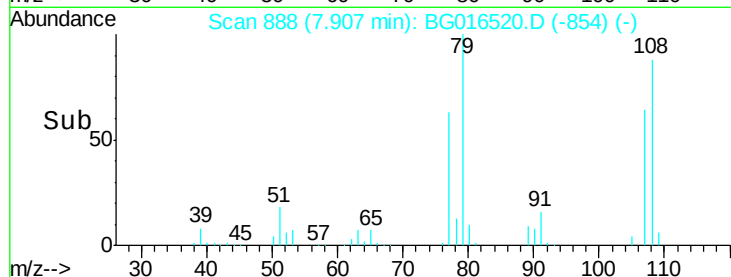
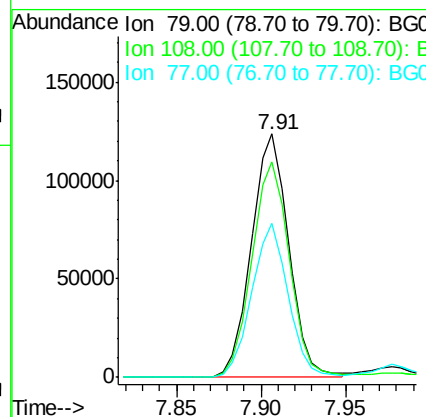
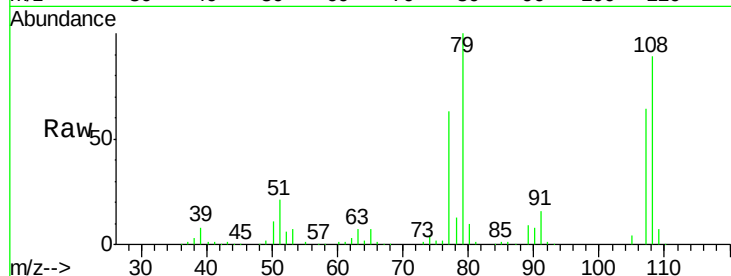
ClientSampleId :

P5-27MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 190084 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 88.7  | 69.3  | 103.9  |
| 77        | 63.2  | 50.3  | 75.5   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.55 ng

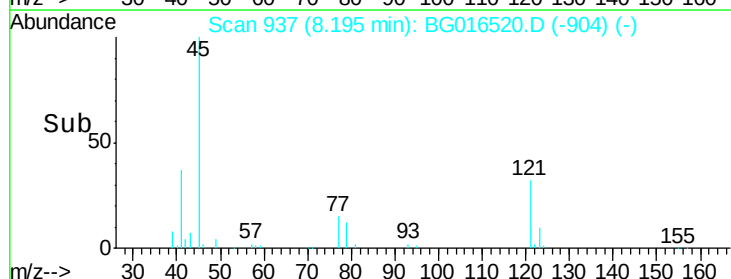
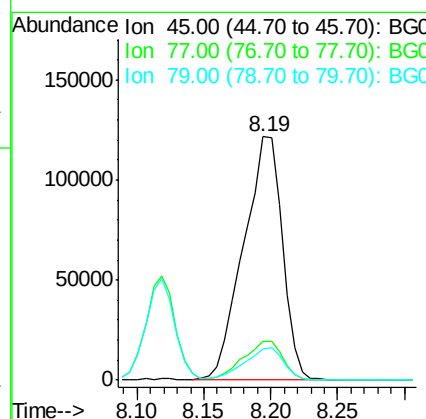
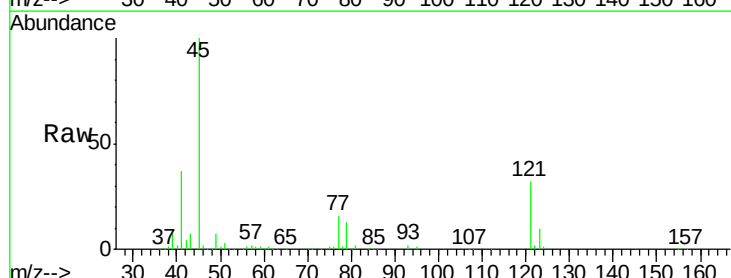
RT: 8.19 min Scan# 937

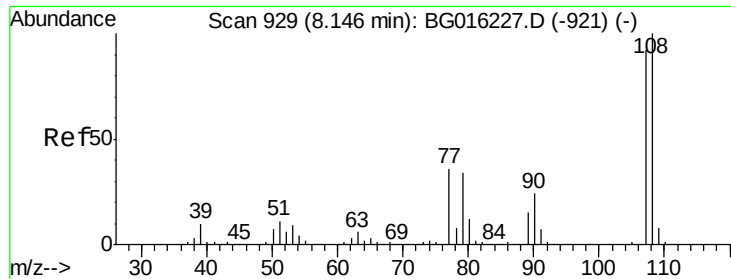
Delta R.T. -0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 243308 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 16.0  | 0.0   | 35.3   |
| 79        | 13.0  | 0.0   | 32.3   |





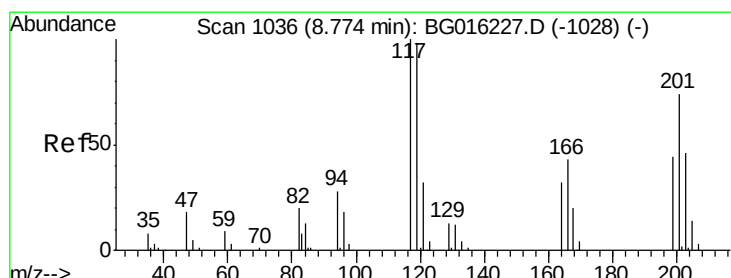
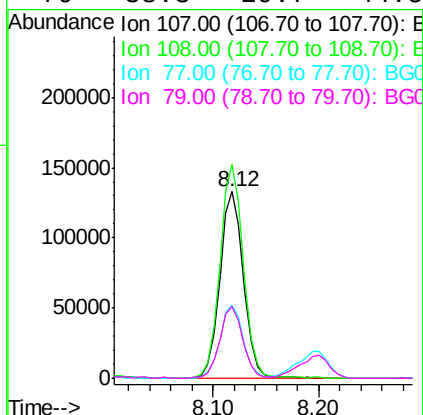
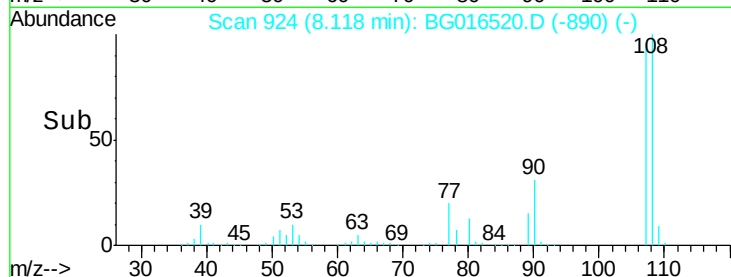
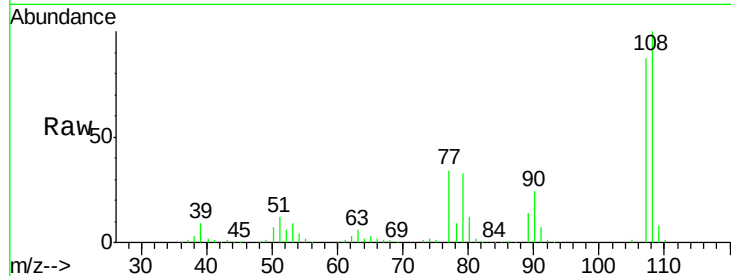
#17  
2-Methylphenol  
Concen: 37.70 ng  
RT: 8.12 min Scan# 924  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 204154 |       |       |
| 108     | 114.5 | 87.2   | 130.8 |       |
| 77      | 39.0  | 31.1   | 46.7  |       |
| 79      | 38.3  | 29.7   | 44.5  |       |

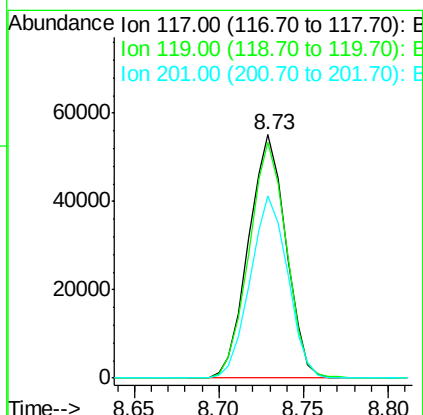
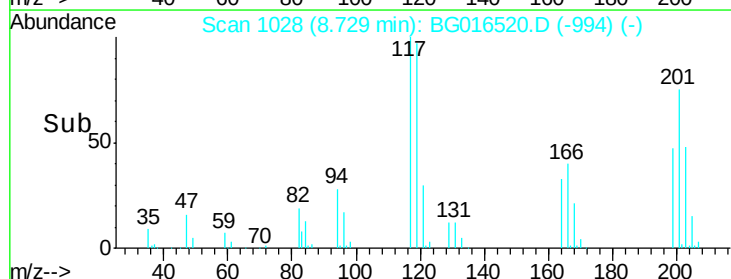
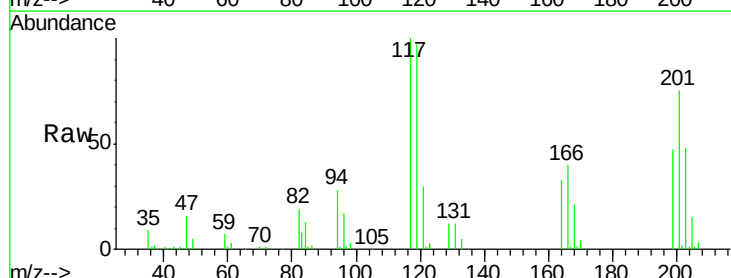
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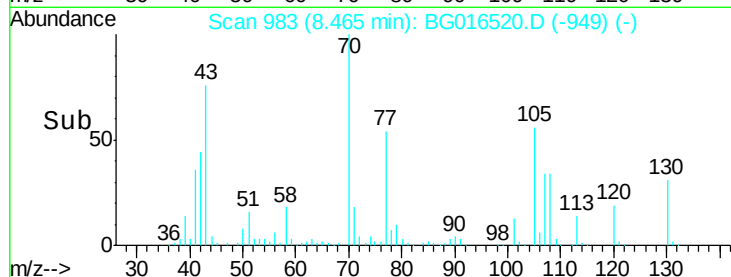
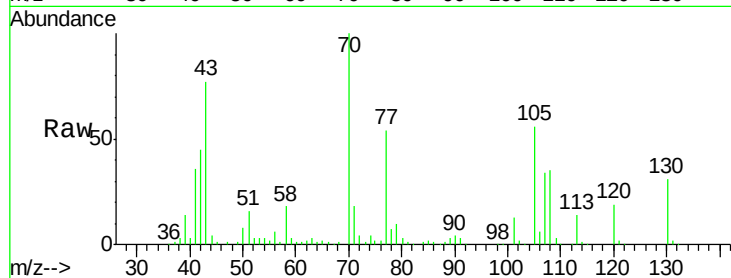
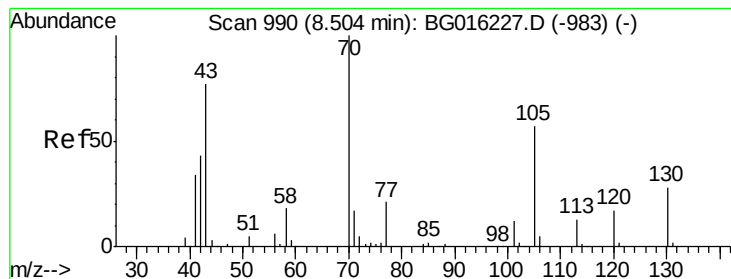
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#18  
Hexachloroethane  
Concen: 35.14 ng  
RT: 8.73 min Scan# 1028  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 85034 |       |       |
| 119     | 96.7  | 78.8  | 118.2 |       |
| 201     | 75.0  | 59.0  | 88.4  |       |





#19

n-Nitroso-di-n-propylamine

Concen: 32.00 ng

RT: 8.46 min Scan# 983

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

ClientSampleId :

P5-27MSD

Tgt Ion: 70 Resp: 173034

Ion Ratio Lower Upper

70 100

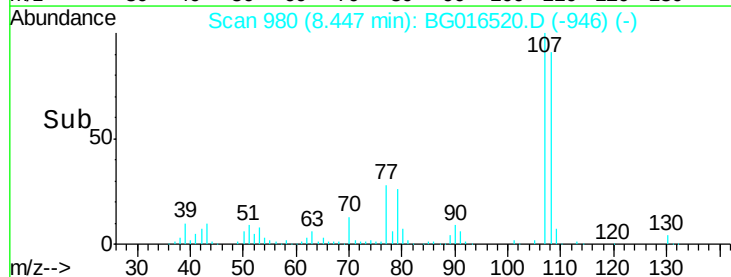
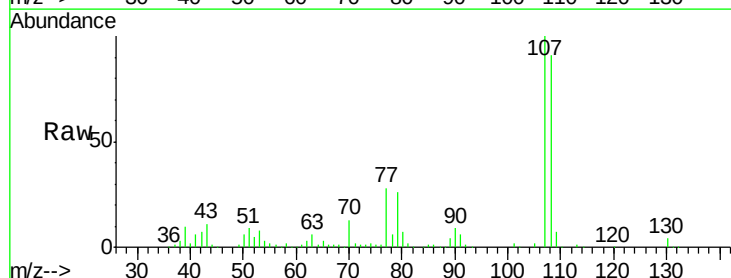
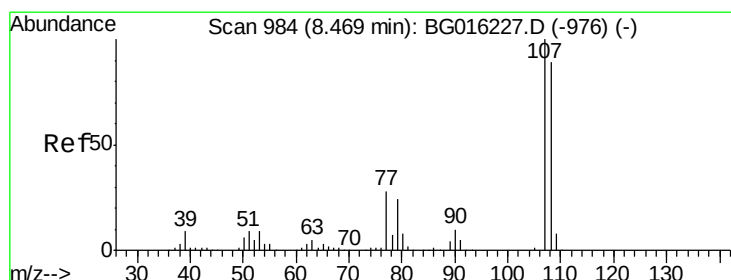
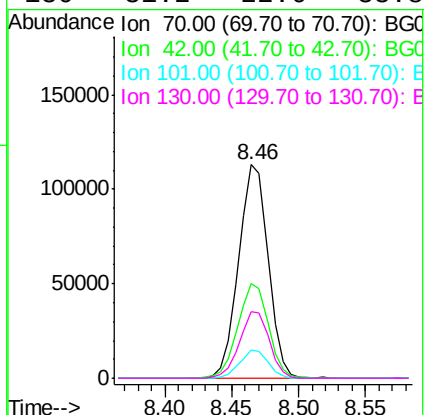
42 44.6 34.7 52.1

101 12.9 9.2 13.8

130 31.2 22.6 33.8

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#20

3+4-Methylphenols

Concen: 36.89 ng

RT: 8.45 min Scan# 980

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Tgt Ion: 107 Resp: 276736

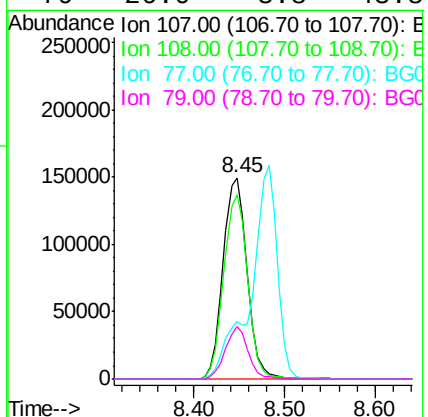
Ion Ratio Lower Upper

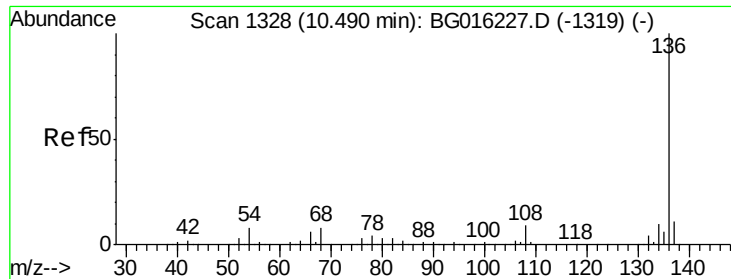
107 100

108 91.2 69.5 109.5

77 28.5 8.2 48.2

79 26.0 3.8 43.8





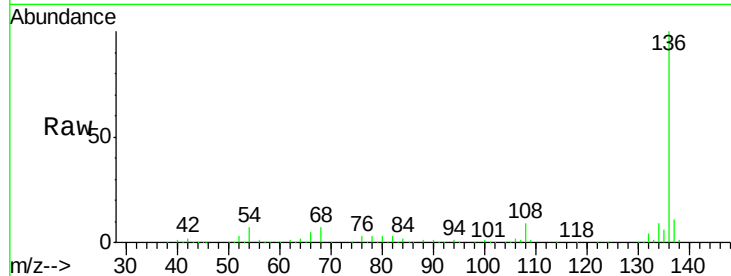
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.44 min Scan# 1320  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

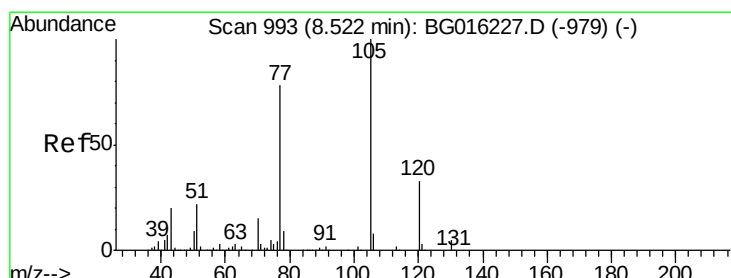
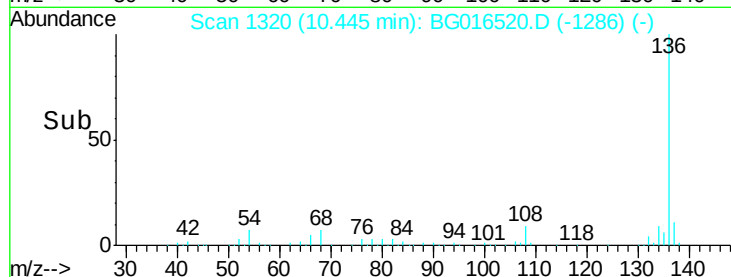
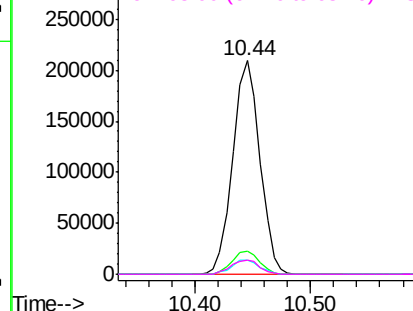
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 339013 |       |       |
| 137     | 11.0  | 8.7    | 13.1  |       |
| 54      | 6.7   | 6.3    | 9.5   |       |
| 68      | 6.6   | 6.5    | 9.7   |       |

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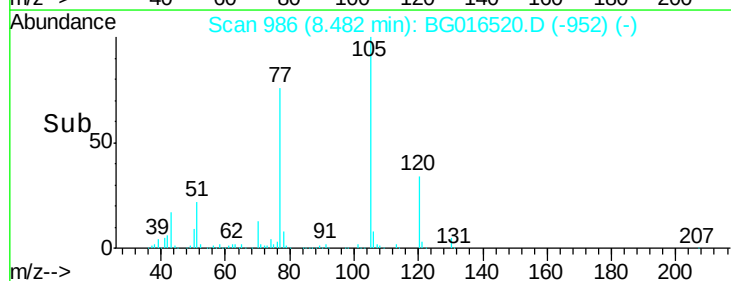
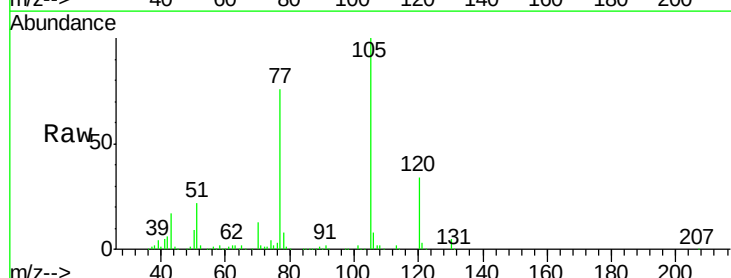
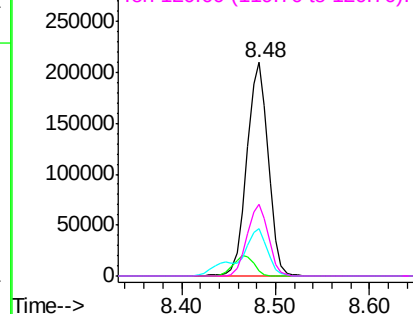
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BG  
Ion 68.00 (67.70 to 68.70): BG

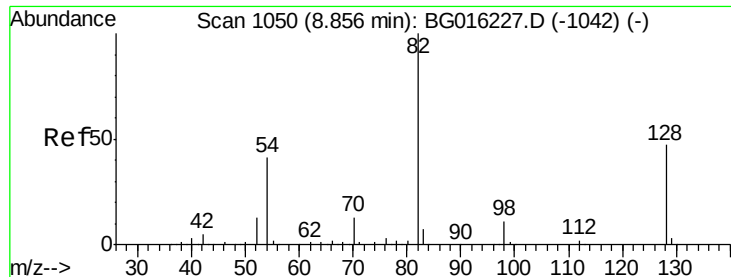


#22  
Acetophenone  
Concen: 41.96 ng  
RT: 8.48 min Scan# 986  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 329815 |       |       |
| 71      | 2.4   | 2.0    | 3.0   |       |
| 51      | 22.0  | 17.9   | 26.9  |       |
| 120     | 33.8  | 26.3   | 39.5  |       |

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





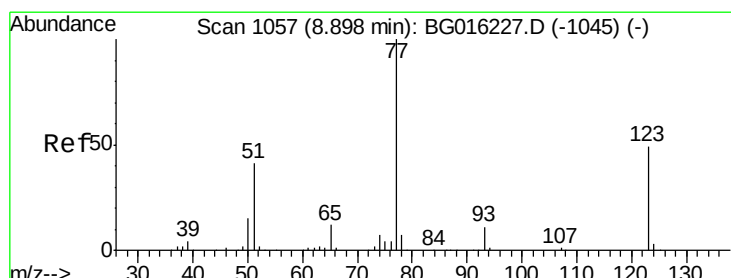
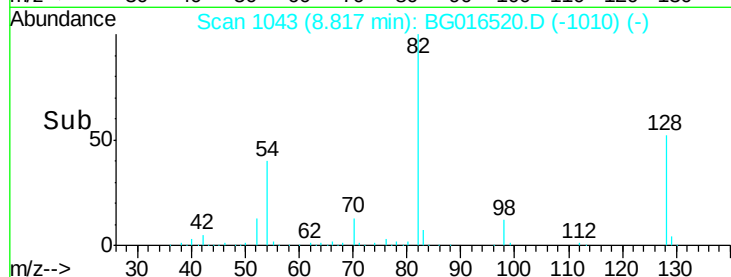
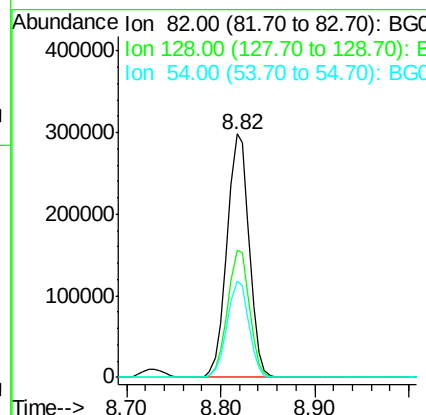
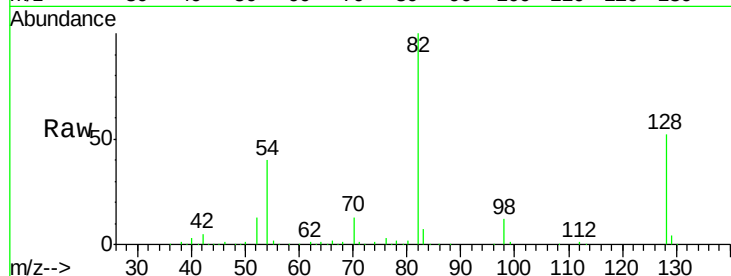
#23  
 Nitrobenzene-d5  
 Concen: 83.53 ng  
 RT: 8.82 min Scan# 1043  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 488803 |       |       |
| 128     | 52.4  | 37.8   | 56.8  |       |
| 54      | 39.5  | 32.6   | 49.0  |       |

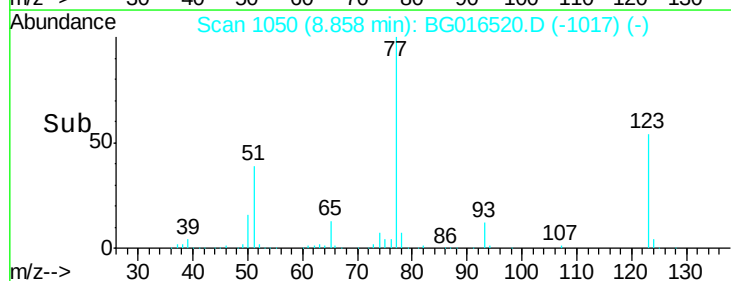
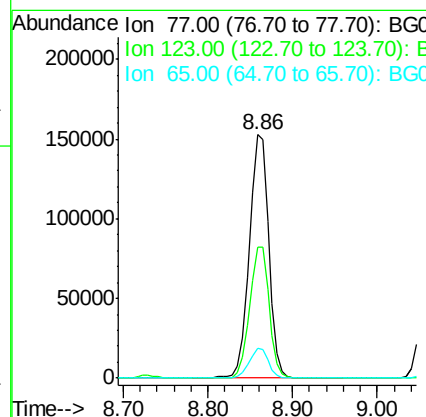
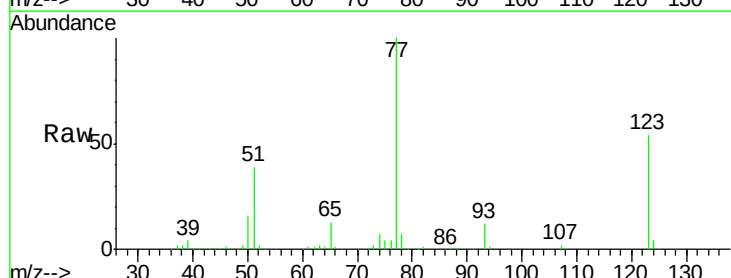
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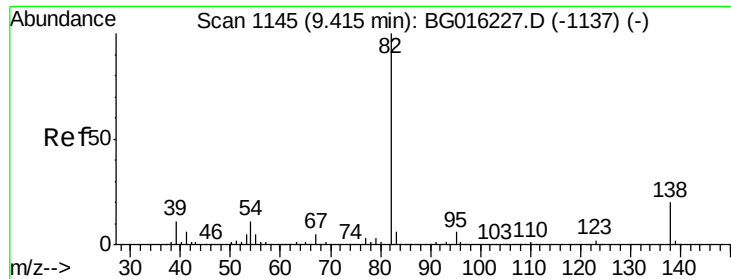


#24  
 Nitrobenzene  
 Concen: 38.88 ng  
 RT: 8.86 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 243317 |       |       |
| 123     | 53.8  | 38.8   | 58.2  |       |
| 65      | 12.5  | 9.4    | 14.2  |       |







#25

Isophorone

Concen: 36.45 ng

RT: 9.38 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

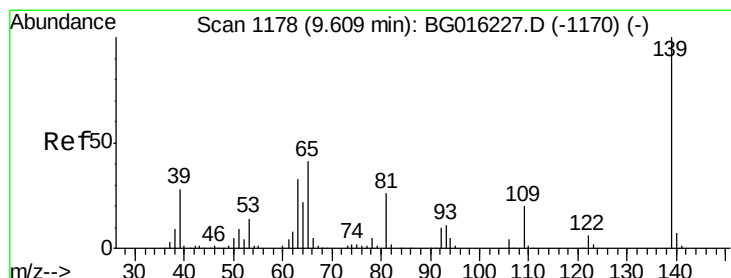
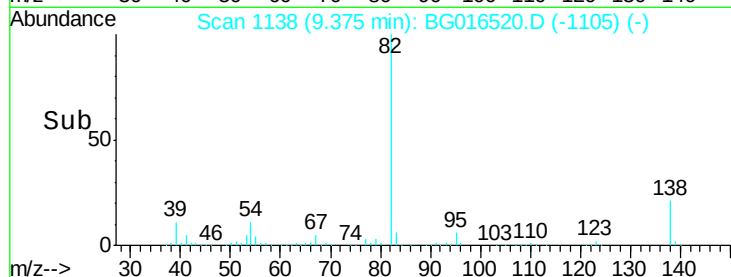
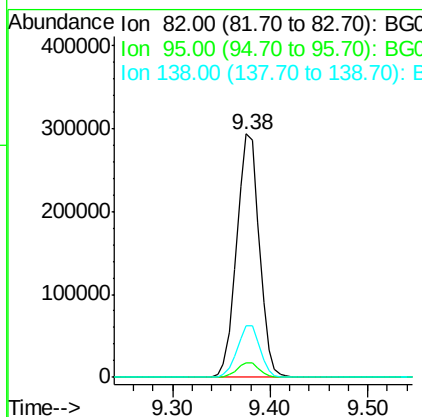
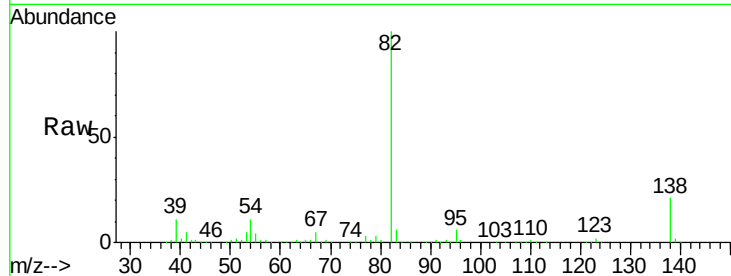
ClientSampleId :

P5-27MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 473760 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.2   | 5.0   | 7.6    |
| 138       | 21.4  | 16.2  | 24.2   |

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#26

2-Nitrophenol

Concen: 48.27 ng

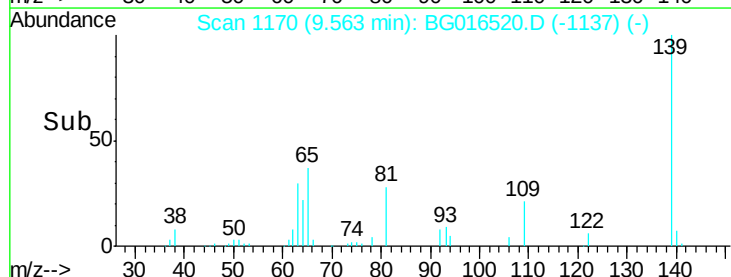
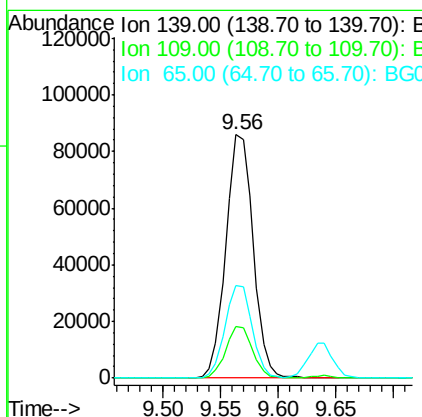
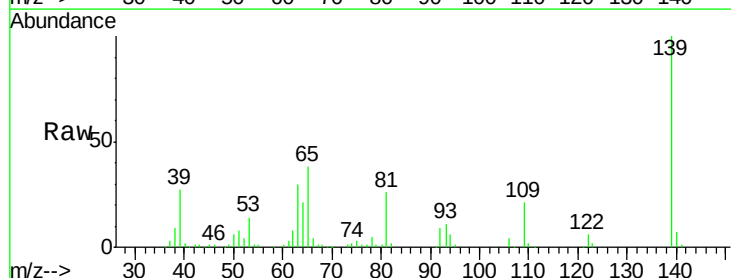
RT: 9.56 min Scan# 1170

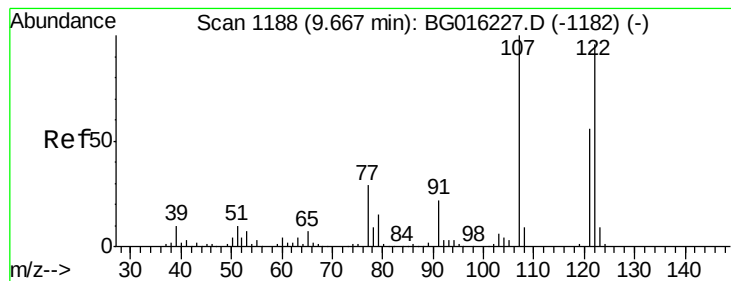
Delta R.T. -0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 140868 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 21.0  | 15.9  | 23.9   |
| 65        | 38.0  | 32.9  | 49.3   |





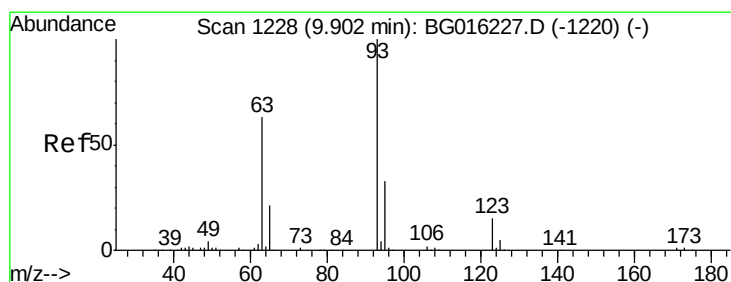
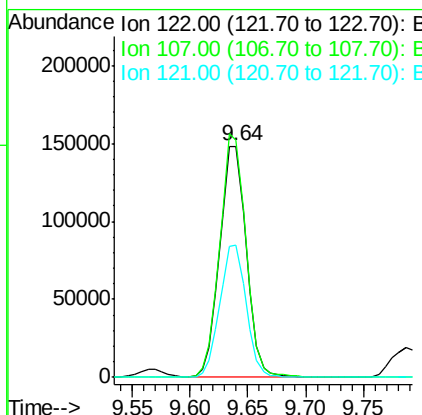
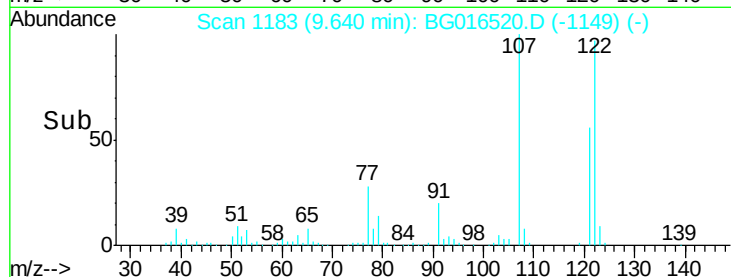
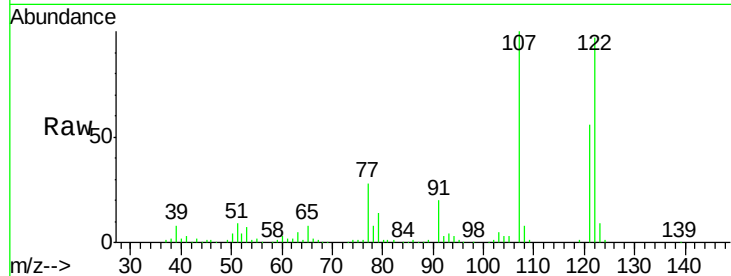
#27  
 2,4-Dimethylphenol  
 Concen: 43.50 ng  
 RT: 9.64 min Scan# 1183  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 236473 |       |       |
| 107     | 102.7 | 83.4   | 125.2 |       |
| 121     | 57.4  | 46.2   | 69.4  |       |

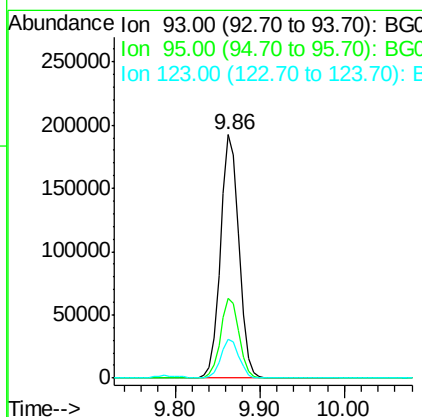
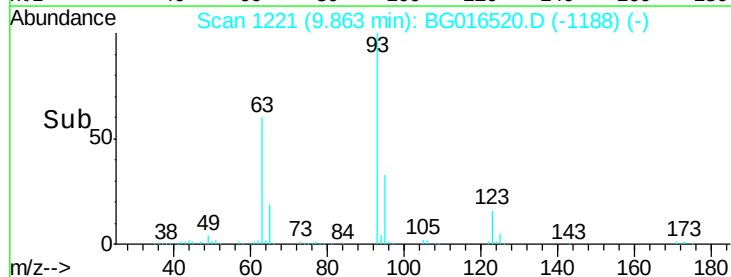
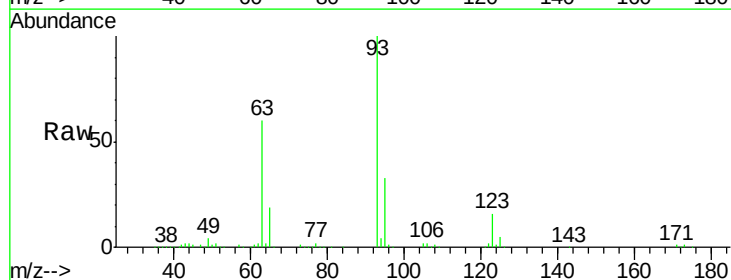
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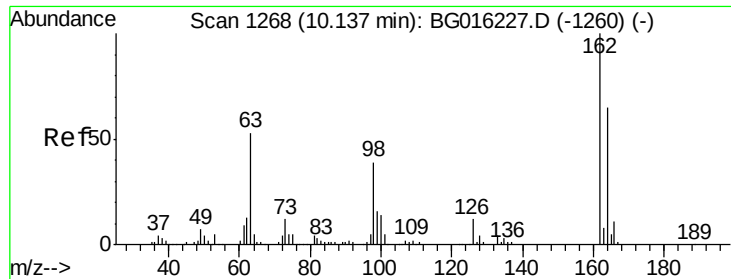
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.45 ng  
 RT: 9.86 min Scan# 1221  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 292645 |       |       |
| 95      | 32.5  | 26.1   | 39.1  |       |
| 123     | 15.8  | 11.8   | 17.8  |       |





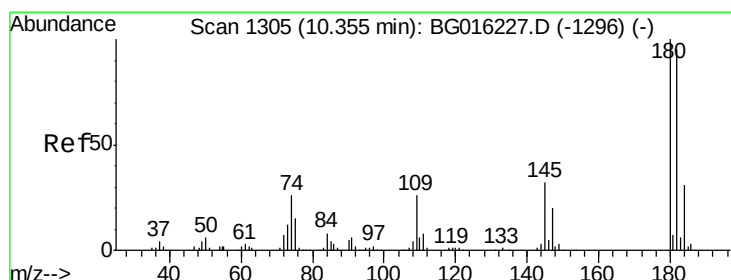
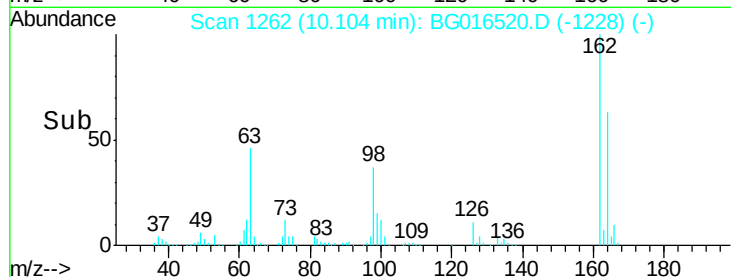
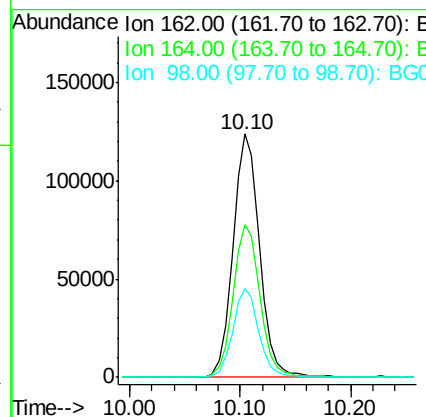
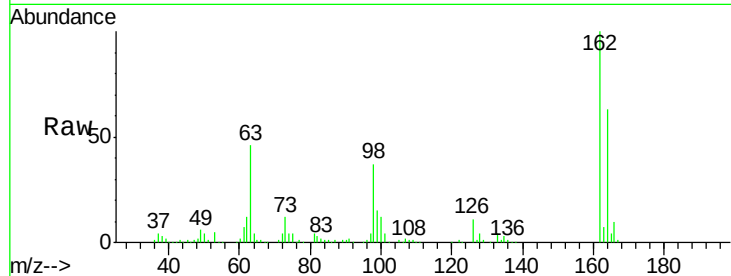
#29  
2,4-Dichlorophenol  
Concen: 48.60 ng  
RT: 10.10 min Scan# 1262  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 209024 |       |       |
| 164     | 63.0  | 45.0   | 85.0  |       |
| 98      | 36.6  | 19.1   | 59.1  |       |

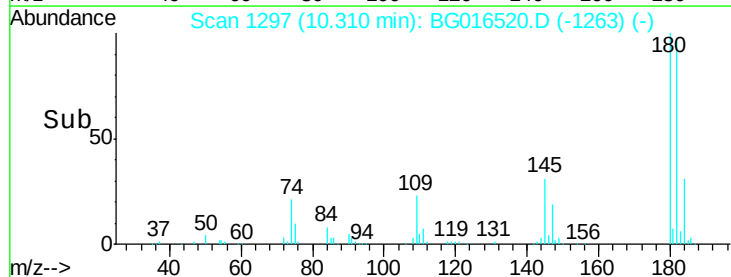
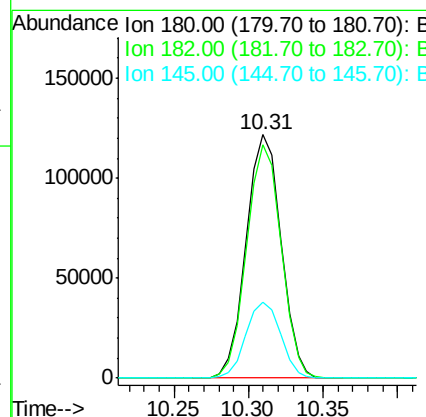
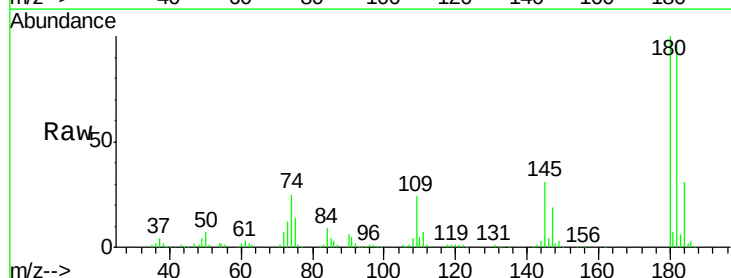
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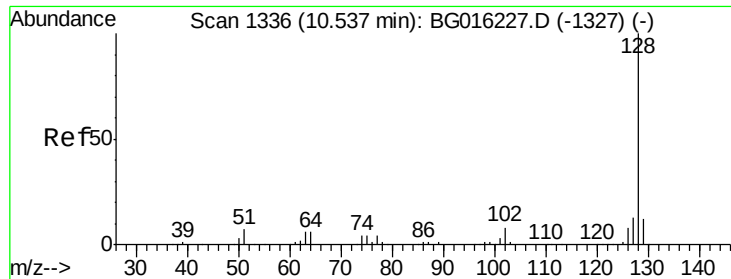
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#30  
1,2,4-Trichlorobenzene  
Concen: 43.86 ng  
RT: 10.31 min Scan# 1297  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 196974 |       |       |
| 182     | 95.8  | 76.3   | 114.5 |       |
| 145     | 31.1  | 25.2   | 37.8  |       |





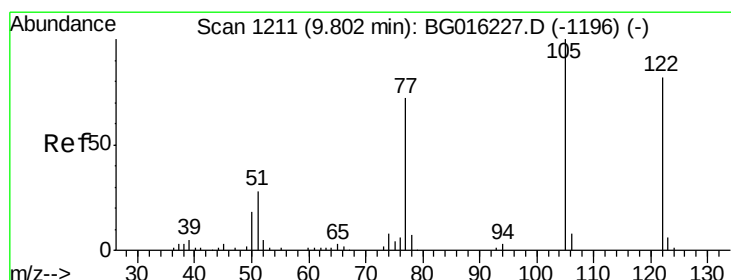
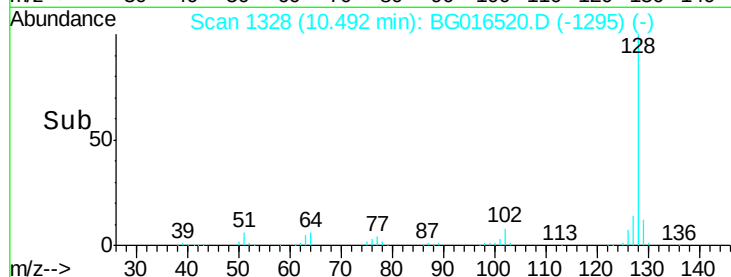
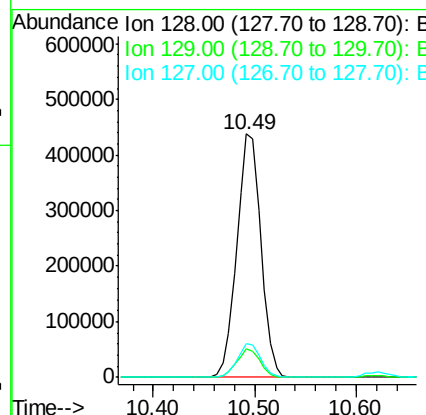
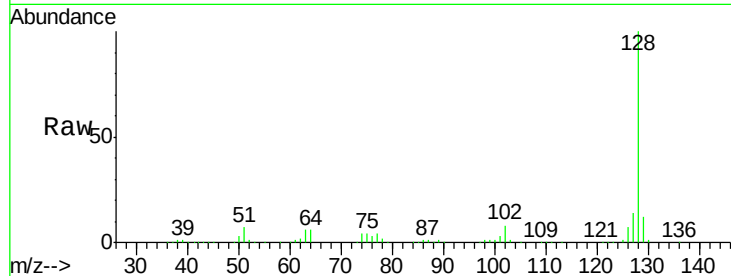
#31  
Naphthalene  
Concen: 40.71 ng  
RT: 10.49 min Scan# 1328  
Delta R.T. -0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 719193 |       |       |
| 129     | 11.8  | 9.2    | 13.8  |       |
| 127     | 13.7  | 10.6   | 16.0  |       |

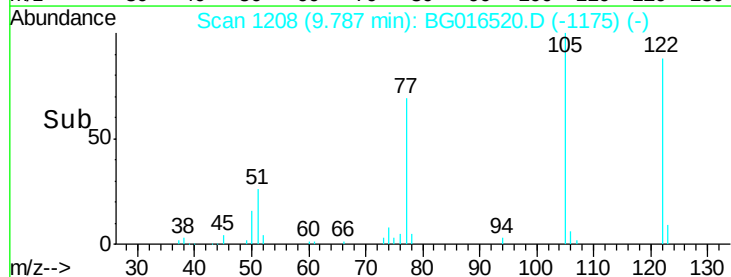
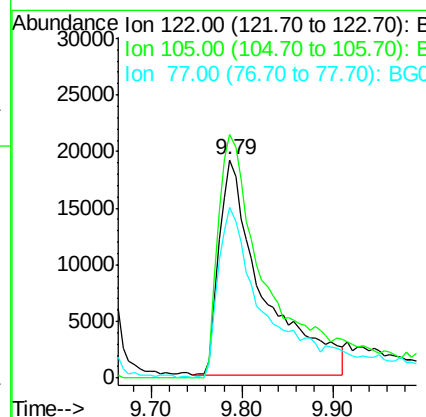
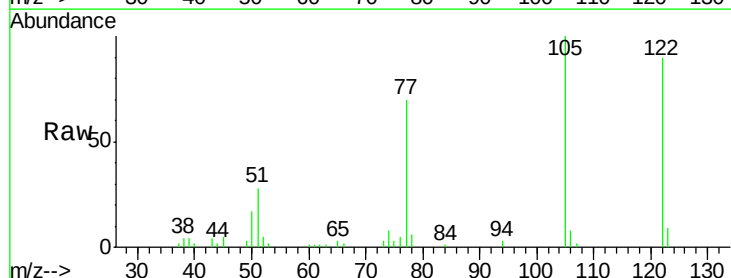
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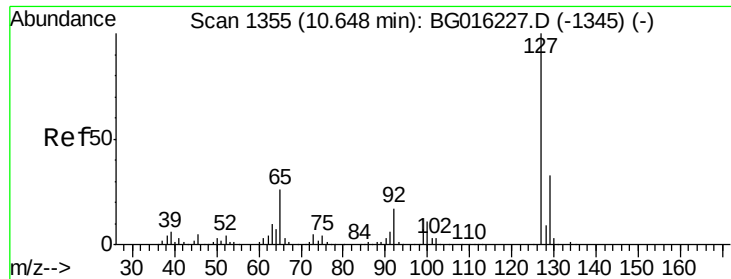
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#32  
Benzoic acid  
Concen: 23.51 ng  
RT: 9.79 min Scan# 1208  
Delta R.T. -0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 64071 |       |       |
| 105     | 111.5 | 99.7  | 139.7 |       |
| 77      | 77.9  | 66.8  | 106.8 |       |





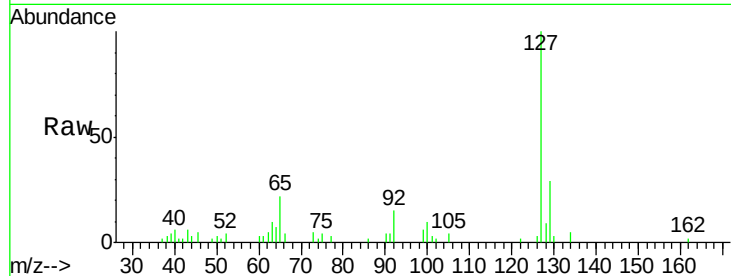
#33  
4-Chloroaniline  
Concen: 2.36 ng  
RT: 10.62 min Scan# 1350  
Delta R.T. 0.01 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampled :  
P5-27MSD

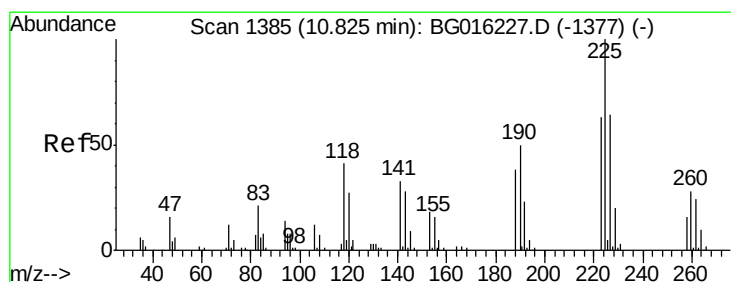
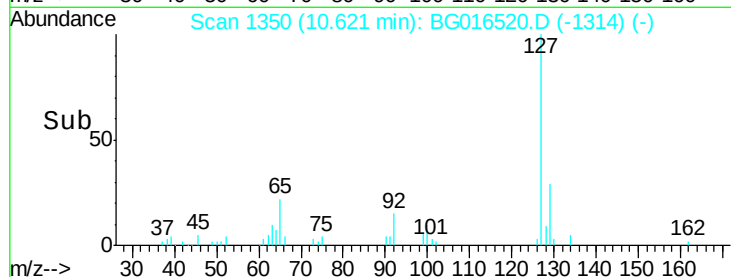
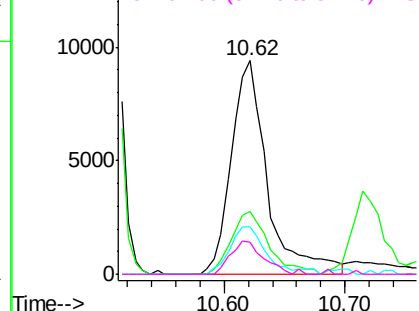
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 127     | 100   | 19567 |       |       |
| 129     | 29.4  | 26.1  | 39.1  |       |
| 65      | 22.2  | 21.2  | 31.8  |       |
| 92      | 15.0  | 13.8  | 20.6  |       |

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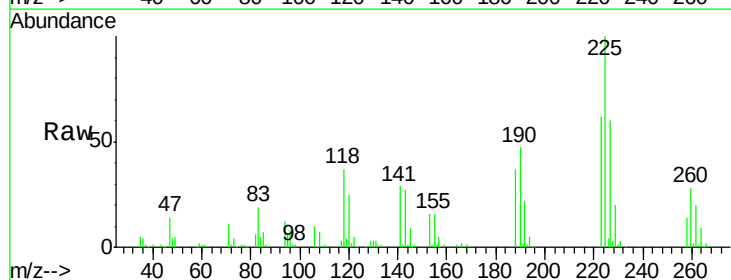


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

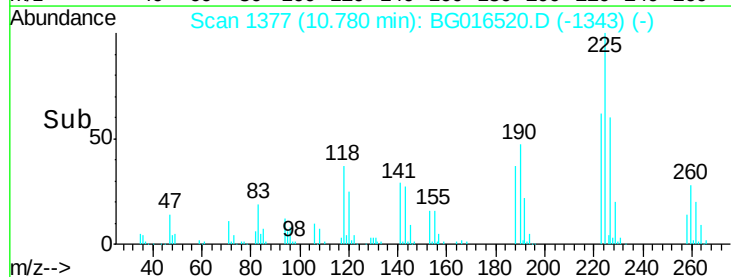
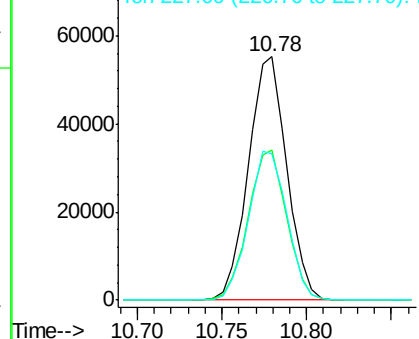


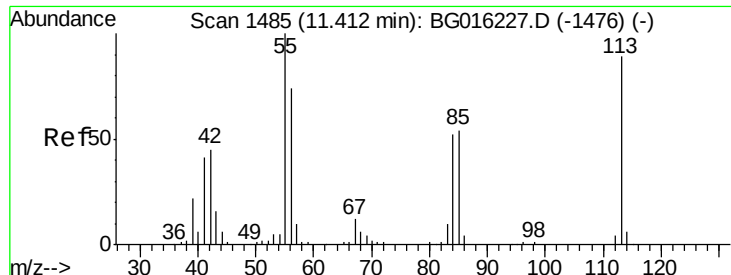
#34  
Hexachlorobutadiene  
Concen: 44.21 ng  
RT: 10.78 min Scan# 1377  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 87207 |       |       |
| 223     | 61.5  | 50.4  | 75.6  |       |
| 227     | 60.4  | 51.2  | 76.8  |       |



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





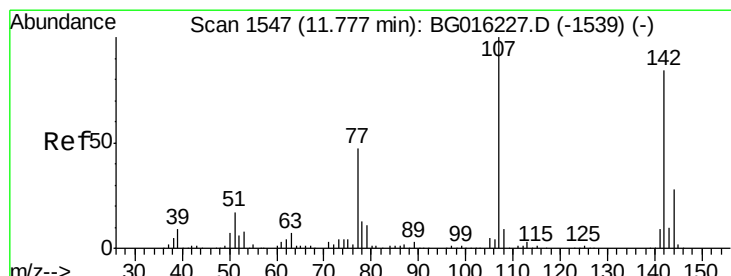
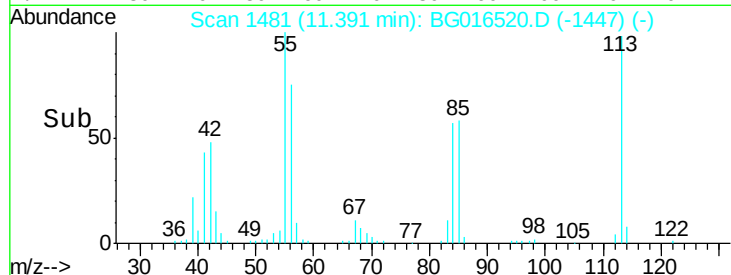
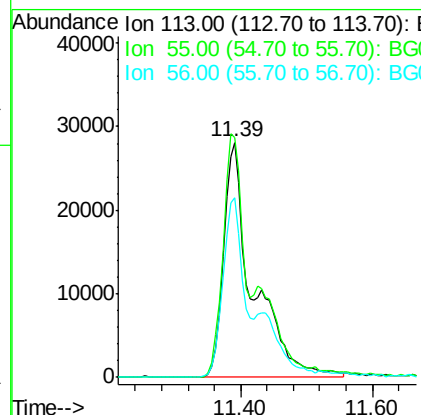
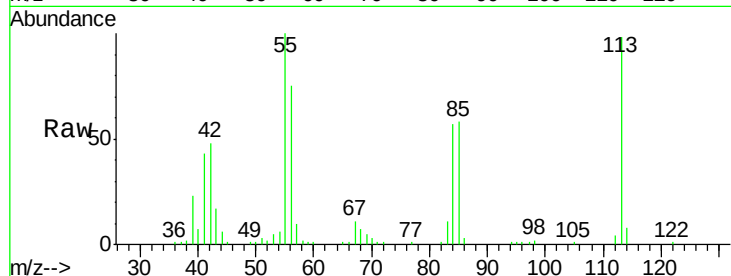
#35  
 Caprolactam  
 Concen: 32.53 ng m  
 RT: 11.39 min Scan# 1481  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 113     | 100   | 88078 |       |       |
| 55      | 102.2 | 92.4  | 132.4 |       |
| 56      | 76.4  | 63.2  | 103.2 |       |

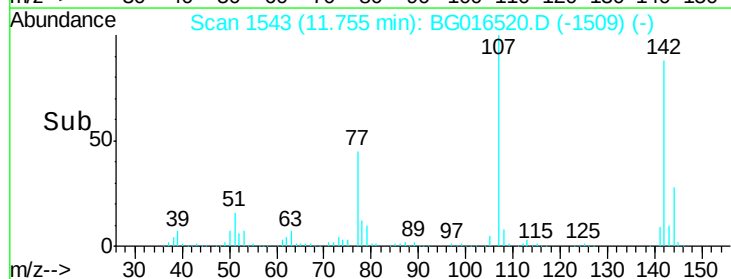
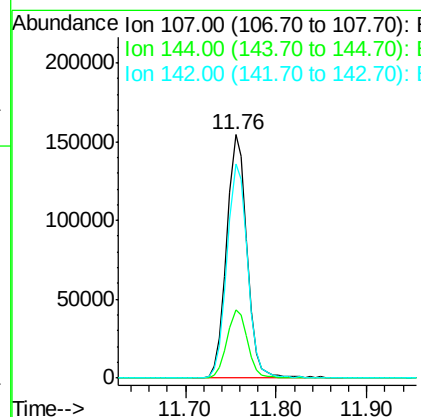
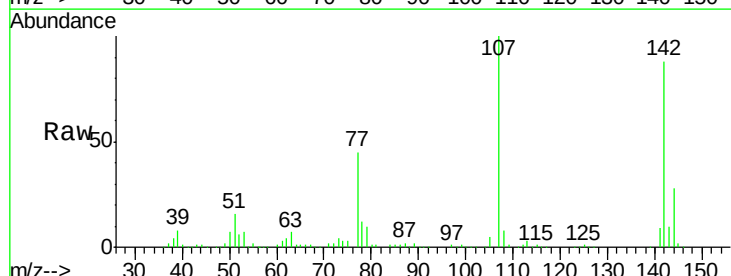
Manual Integrations  
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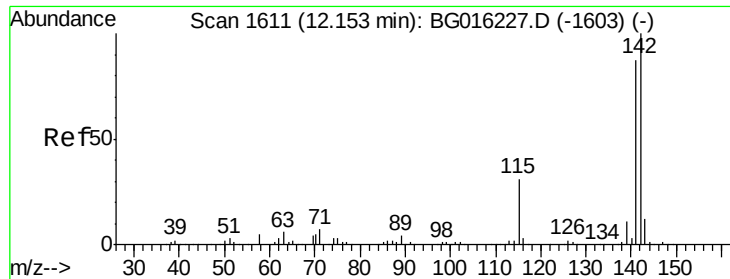
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#36  
 4-Chloro-3-methylphenol  
 Concen: 42.23 ng  
 RT: 11.76 min Scan# 1543  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 239946 |       |       |
| 144     | 27.8  | 22.0   | 33.0  |       |
| 142     | 87.8  | 67.0   | 100.6 |       |





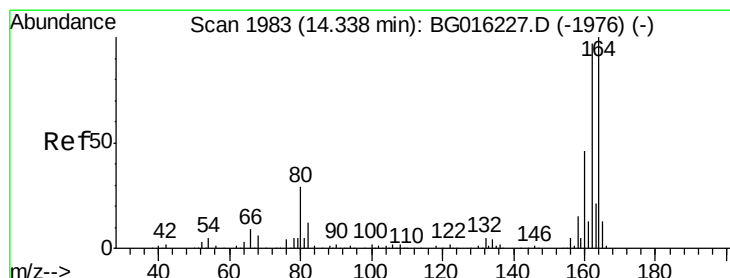
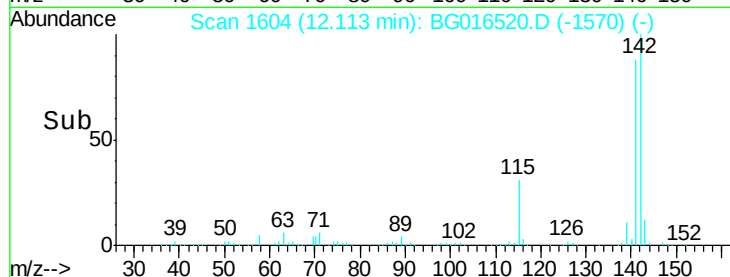
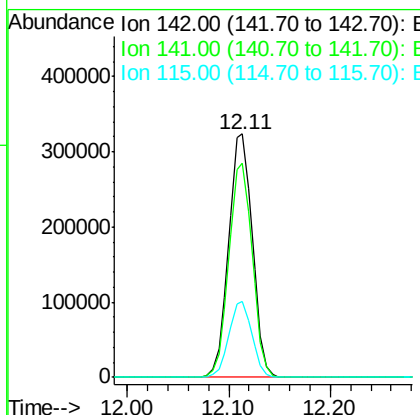
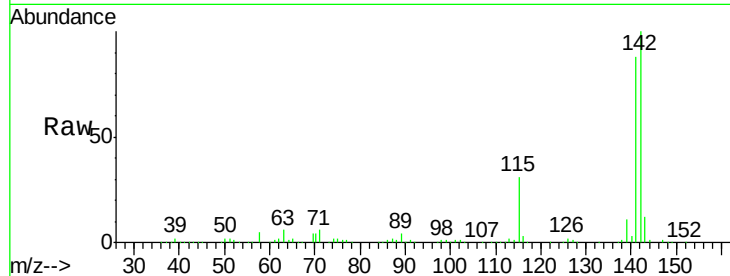
#37  
 2-Methylnaphthalene  
 Concen: 41.27 ng  
 RT: 12.11 min Scan# 1604  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 142     | 100   | 524478 |       |       |
| 141     | 87.9  | 69.3   | 103.9 |       |
| 115     | 31.0  | 25.0   | 37.6  |       |

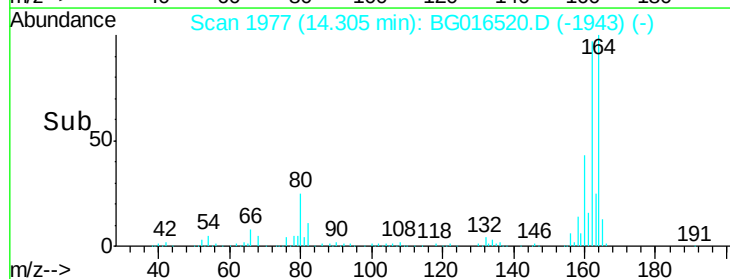
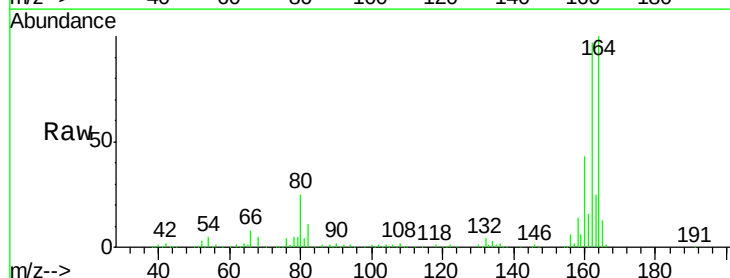
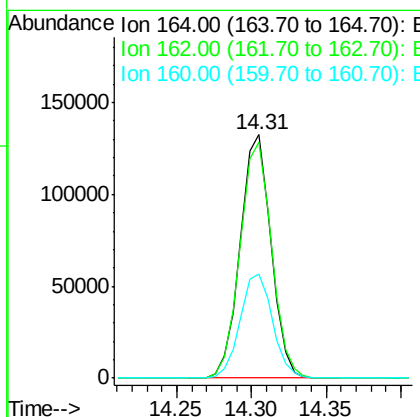
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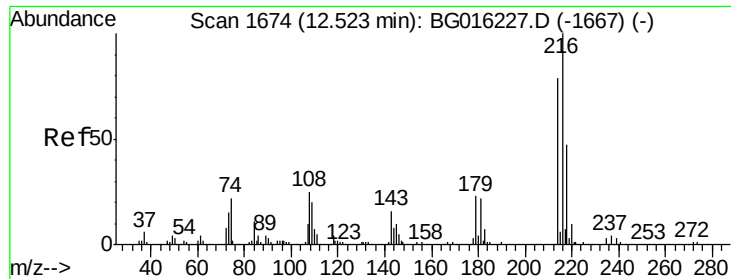
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#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.31 min Scan# 1977  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 189322 |       |       |
| 162     | 96.9  | 77.3   | 115.9 |       |
| 160     | 43.0  | 36.7   | 55.1  |       |





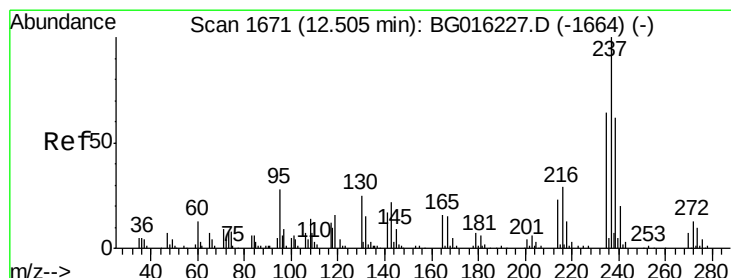
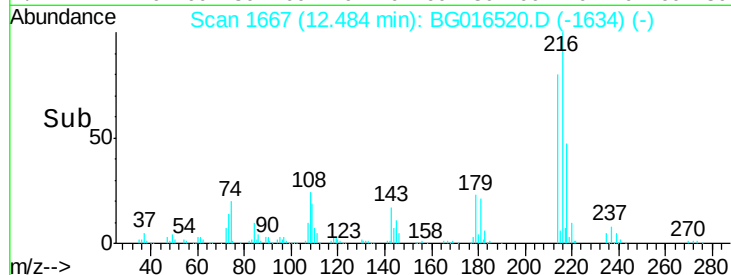
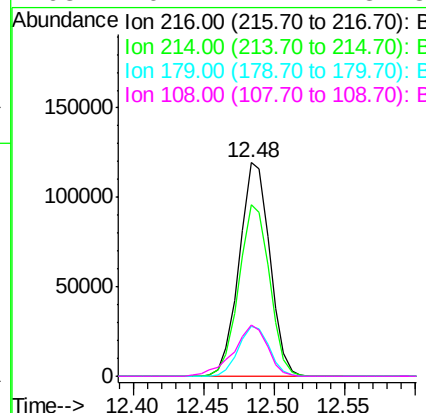
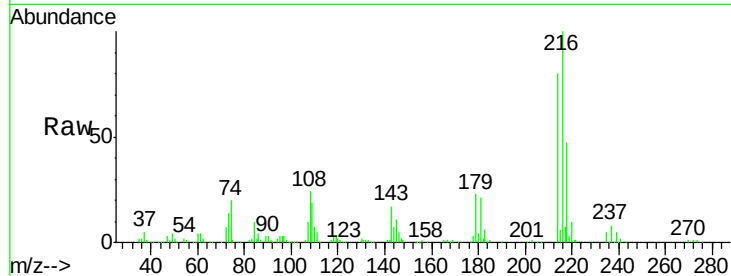
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 43.40 ng  
 RT: 12.48 min Scan# 1667  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 180892 |       |       |
| 214     | 80.0  | 63.4   | 95.0  |       |
| 179     | 23.4  | 18.2   | 27.2  |       |
| 108     | 26.4  | 21.2   | 31.8  |       |

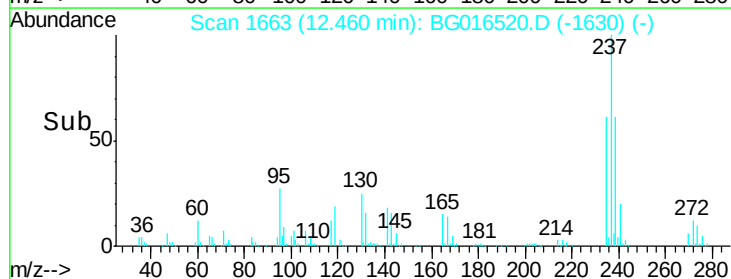
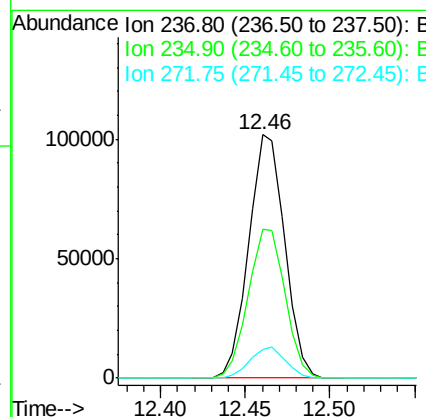
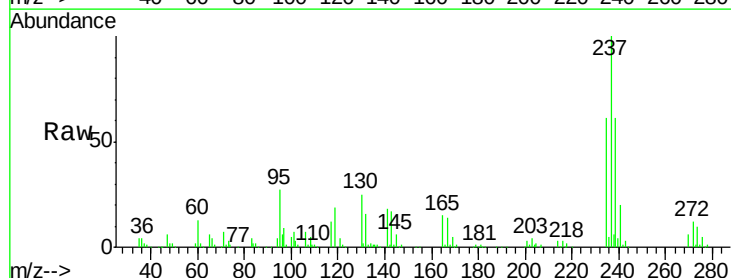
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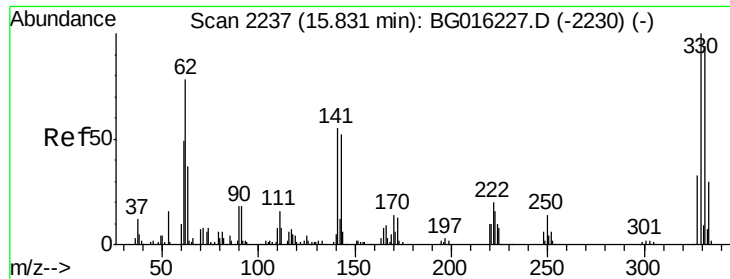


#40  
 Hexachlorocyclopentadiene  
 Concen: 79.14 ng  
 RT: 12.46 min Scan# 1663  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 150988 |       |       |
| 235     | 61.1  | 43.9   | 83.9  |       |
| 272     | 11.8  | 0.0    | 33.1  |       |







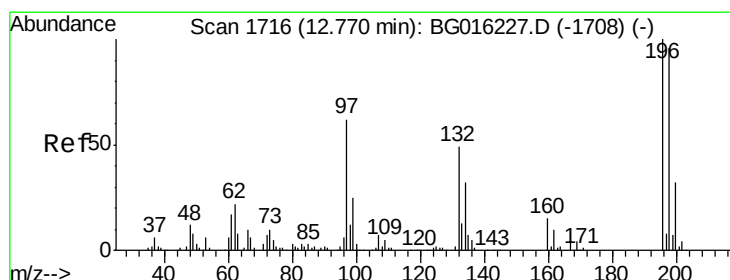
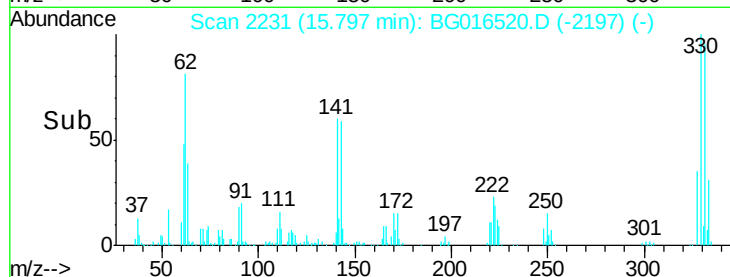
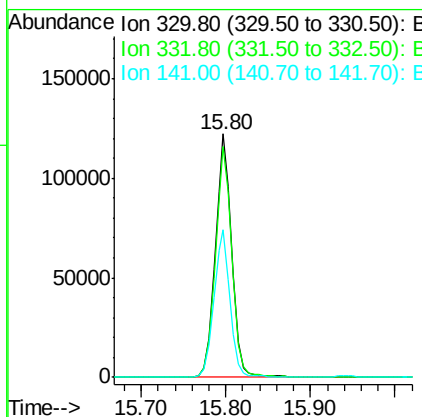
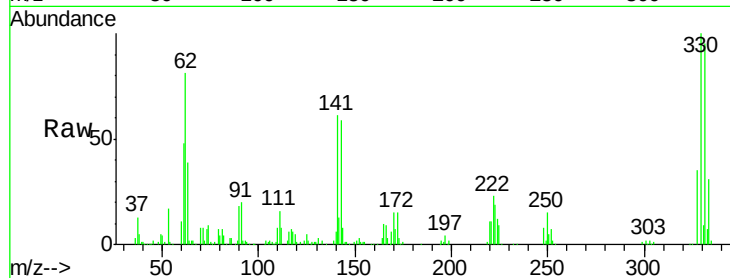
#41  
 2,4,6-Tribromophenol  
 Concen: 131.20 ng  
 RT: 15.80 min Scan# 2231  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampled :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 167986 |       |       |
| 332     | 95.7  | 75.8   | 113.6 |       |
| 141     | 59.5  | 46.6   | 69.8  |       |

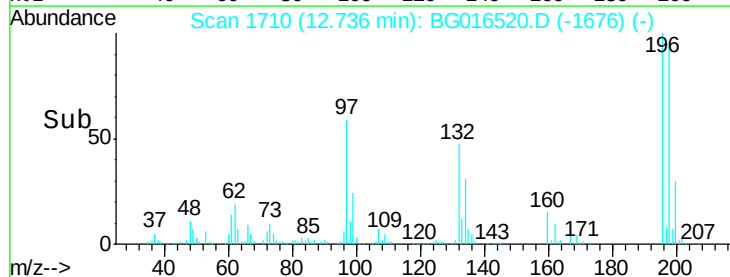
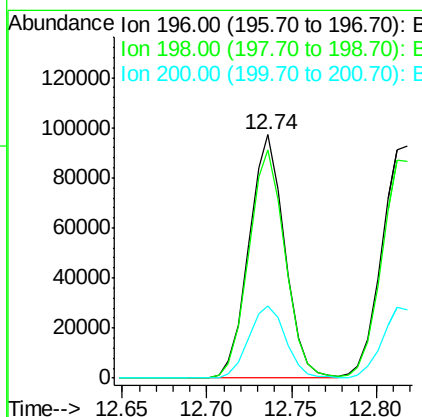
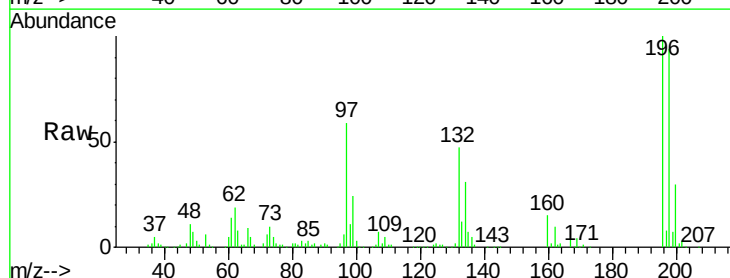
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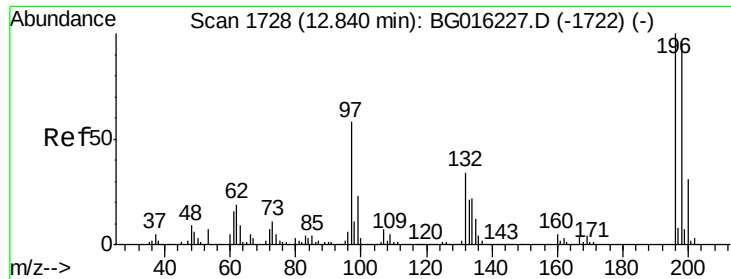
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#42  
 2,4,6-Trichlorophenol  
 Concen: 46.27 ng  
 RT: 12.74 min Scan# 1710  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 143317 |       |       |
| 198     | 93.7  | 77.2   | 115.8 |       |
| 200     | 29.7  | 25.3   | 37.9  |       |





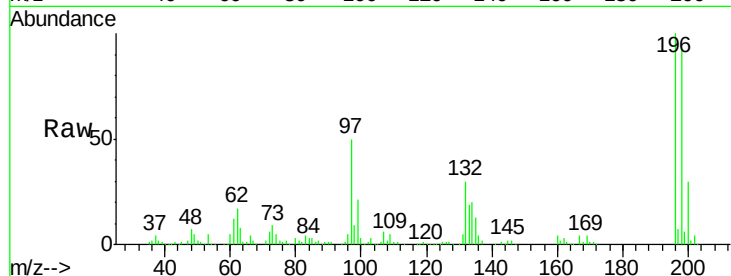
#43  
 2,4,5-Trichlorophenol  
 Concen: 47.61 ng  
 RT: 12.82 min Scan# 1724  
 Delta R.T. 0.01 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampled :  
 P5-27MSD

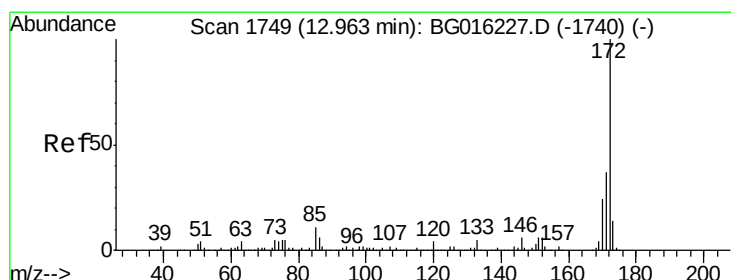
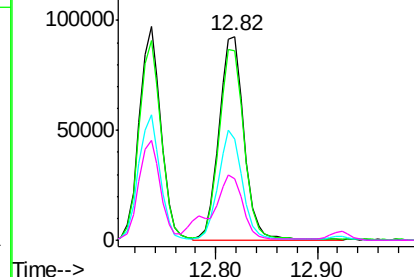
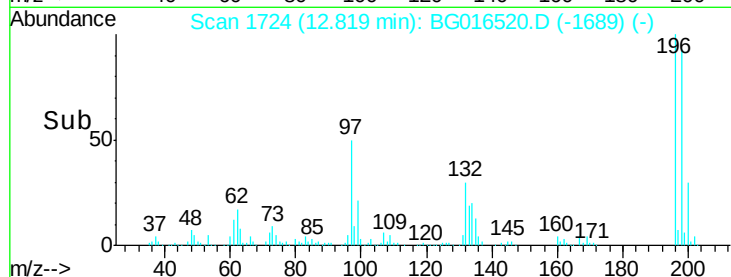
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 157551 |       |       |
| 198     | 93.1  | 77.1   | 115.7 |       |
| 97      | 49.7  | 46.6   | 69.8  |       |
| 132     | 30.0  | 27.0   | 40.6  |       |

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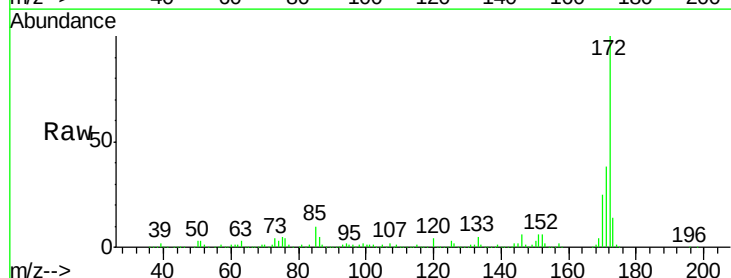


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

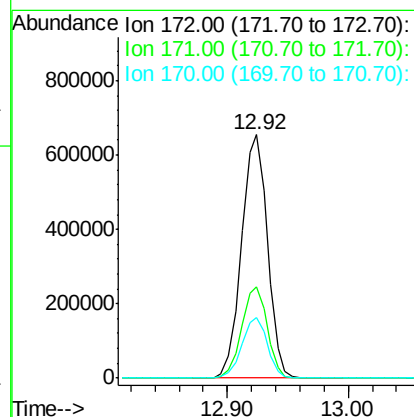
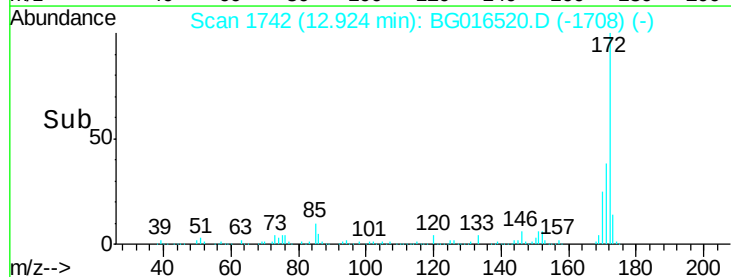


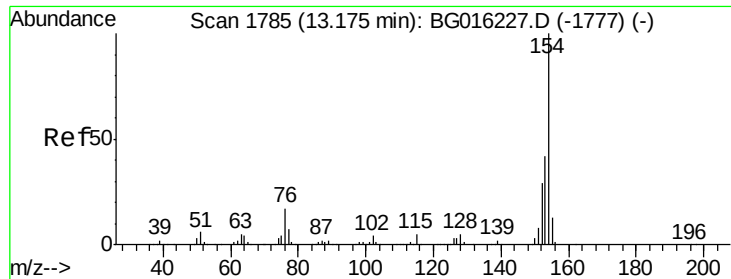
#44  
 2-Fluorobiphenyl  
 Concen: 88.00 ng  
 RT: 12.92 min Scan# 1742  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 978479 |       |       |
| 171     | 37.6  | 29.6   | 44.4  |       |
| 170     | 25.0  | 19.4   | 29.2  |       |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





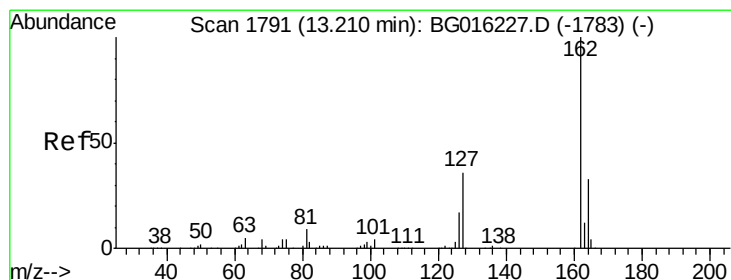
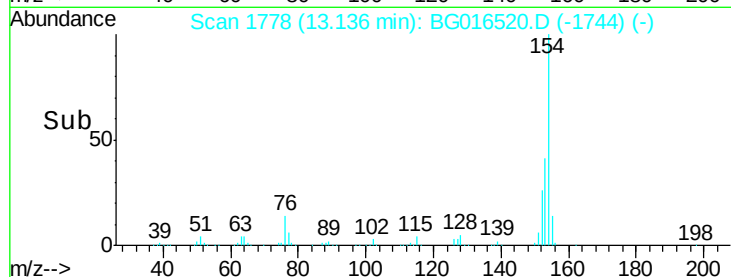
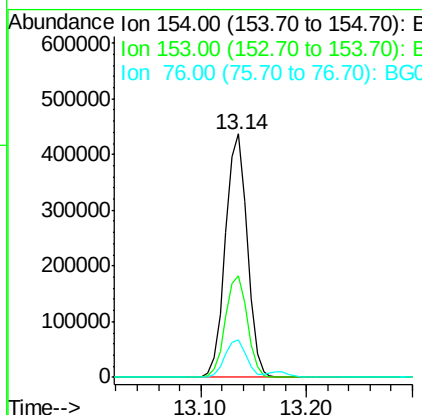
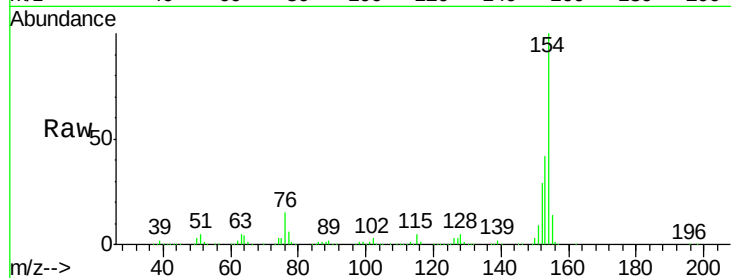
#45  
 1,1'-Biphenyl  
 Concen: 42.93 ng  
 RT: 13.14 min Scan# 1778  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 623505 |       |       |
| 153     | 41.9  | 22.4   | 62.4  |       |
| 76      | 15.5  | 0.0    | 37.1  |       |

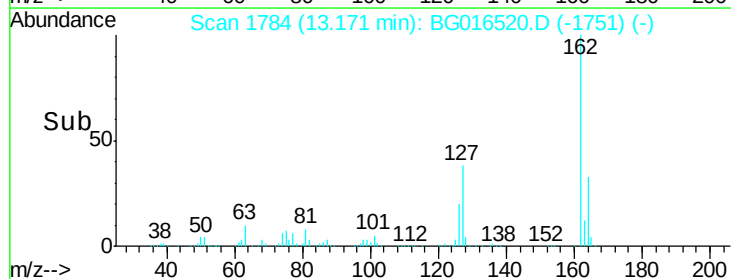
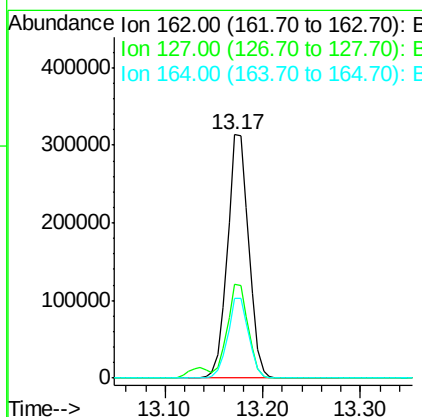
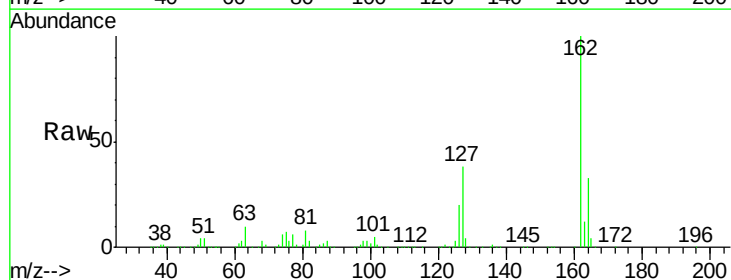
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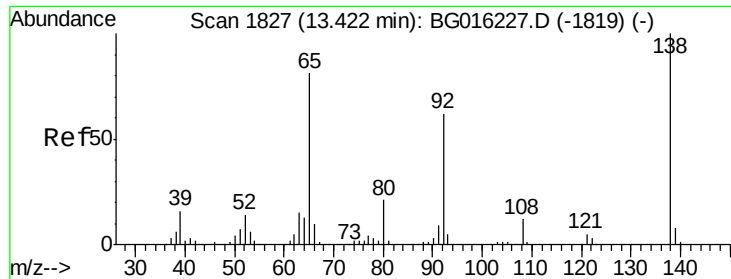
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#46  
 2-Chloronaphthalene  
 Concen: 42.70 ng  
 RT: 13.17 min Scan# 1784  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 472417 |       |       |
| 127     | 38.3  | 30.8   | 46.2  |       |
| 164     | 33.0  | 26.6   | 40.0  |       |





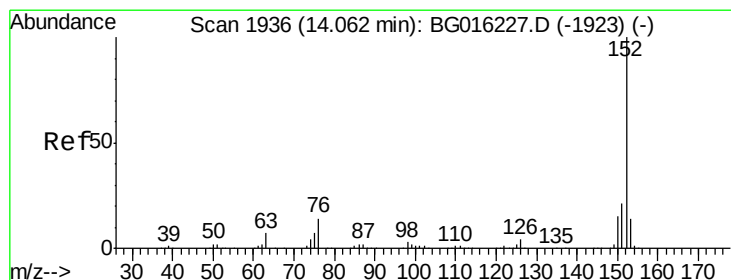
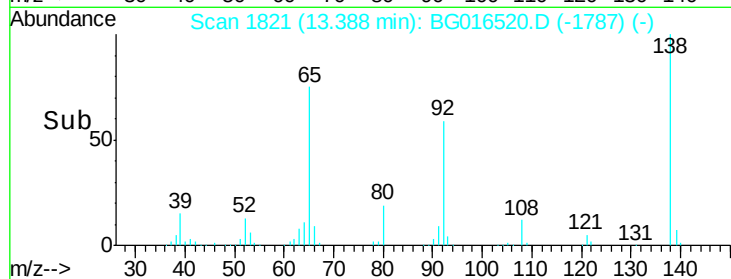
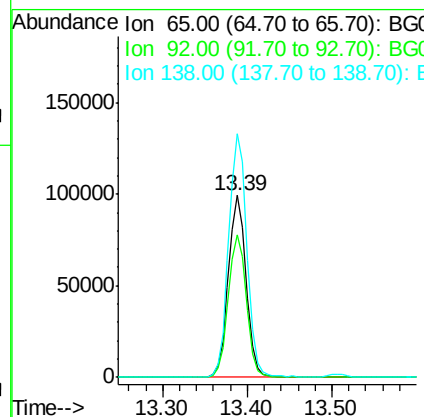
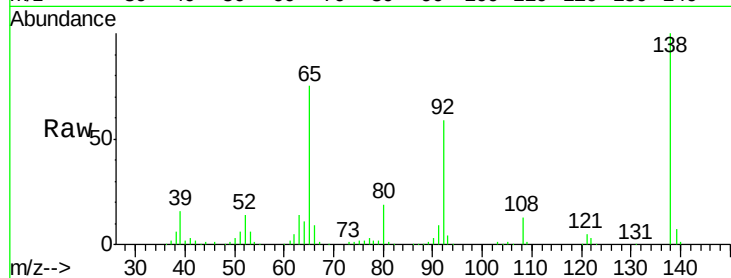
#47  
 2-Nitroaniline  
 Concen: 40.65 ng  
 RT: 13.39 min Scan# 1821  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 144947 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 78.5  | 61.0  | 91.6   |
| 138       | 134.0 | 98.7  | 148.1  |

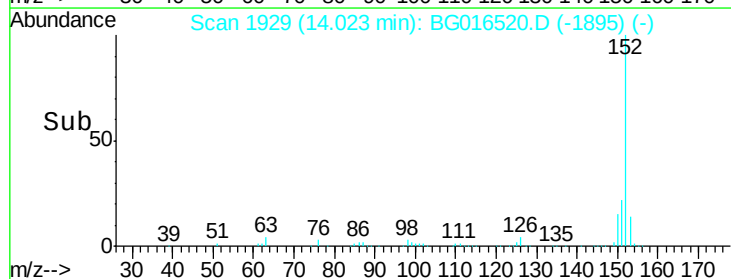
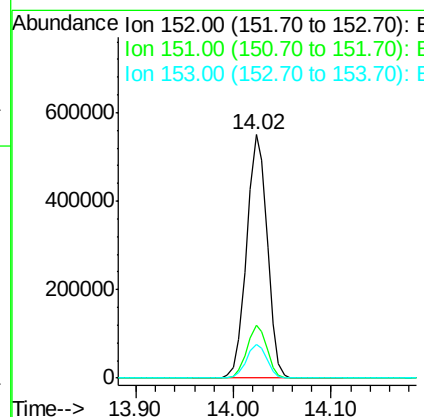
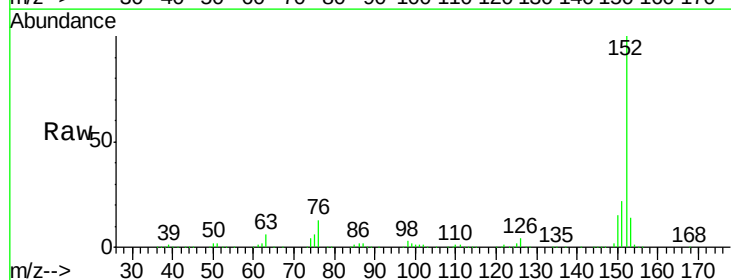
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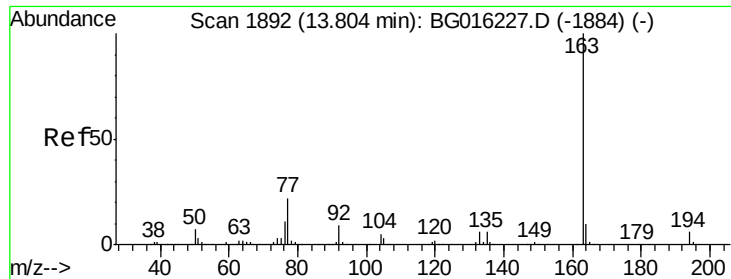
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#48  
 Acenaphthylene  
 Concen: 41.08 ng  
 RT: 14.02 min Scan# 1929  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 808135 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.7  | 16.5  | 24.7   |
| 153       | 14.1  | 11.1  | 16.7   |





#49

Dimethylphthalate

Concen: 41.19 ng

RT: 13.77 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

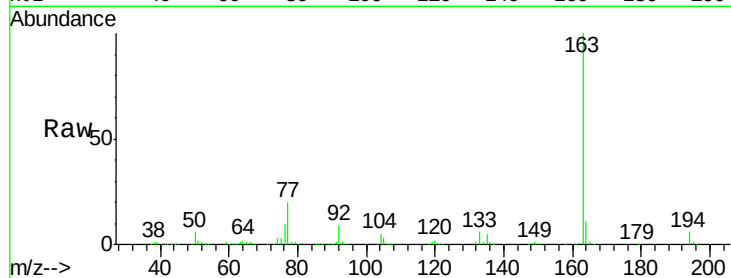
ClientSampleId :

P5-27MSD

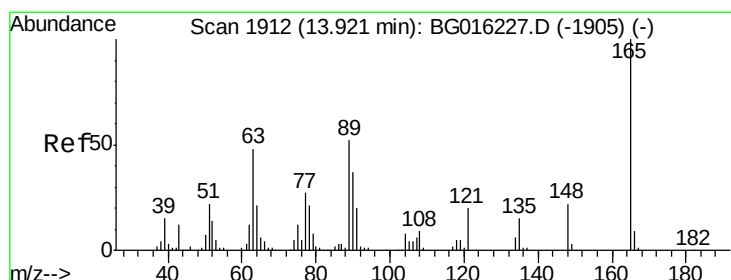
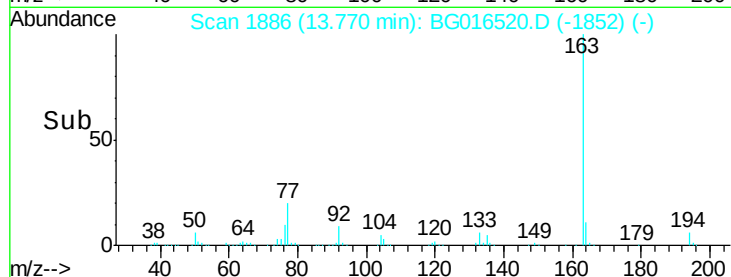
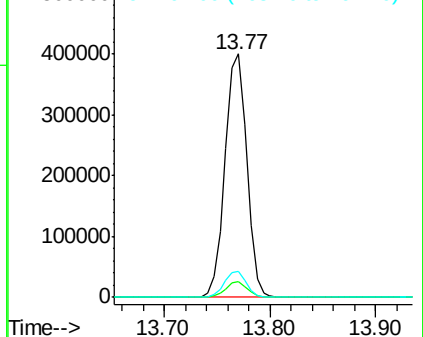
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 571480 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 6.3   | 5.0   | 7.4    |
| 164       | 10.6  | 8.2   | 12.4   |

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Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 43.55 ng

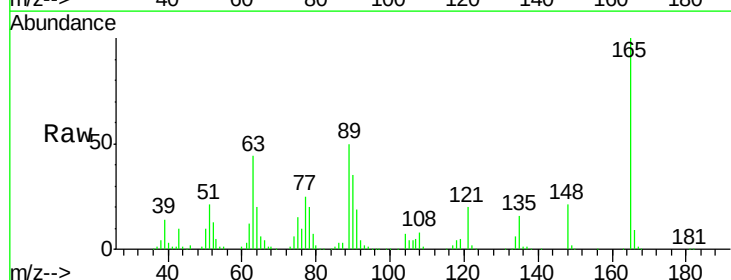
RT: 13.89 min Scan# 1906

Delta R.T. -0.00 min

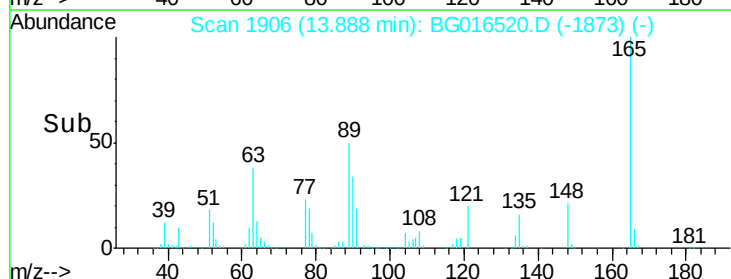
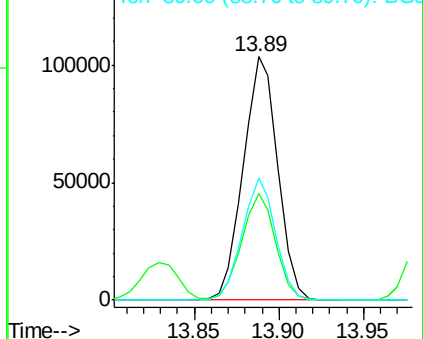
Lab File: BG016520.D

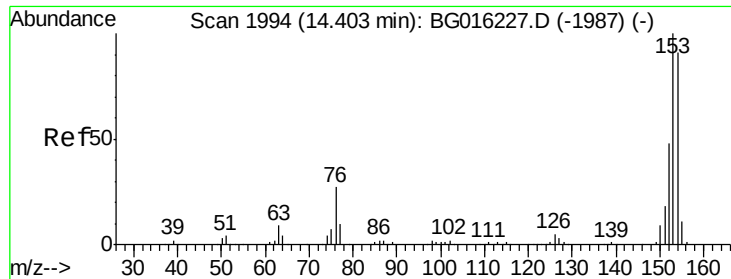
Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 146166 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 44.1  | 39.3  | 58.9   |
| 89        | 50.1  | 41.3  | 61.9   |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 89.00 (88.70 to 89.70): BG





#51

Acenaphthene

Concen: 41.77 ng

RT: 14.37 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BG016520.D

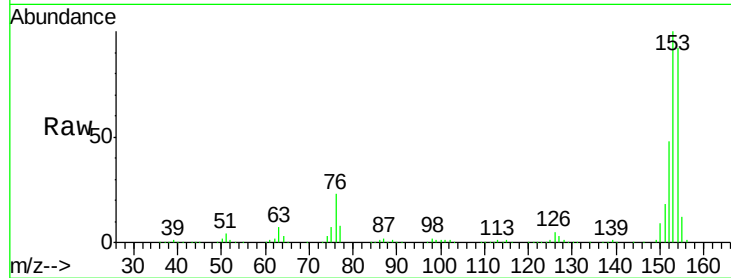
Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

ClientSampleId :

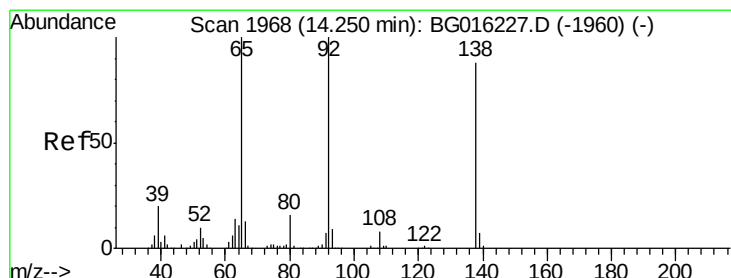
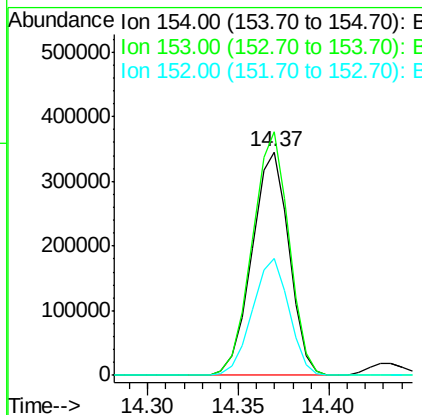
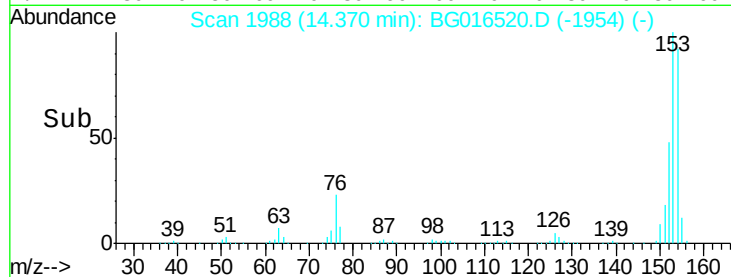
P5-27MSD



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 109.0 | 87.5  | 131.3 |
| 152     | 52.3  | 42.1  | 63.1  |

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#52

3-Nitroaniline

Concen: 5.29 ng

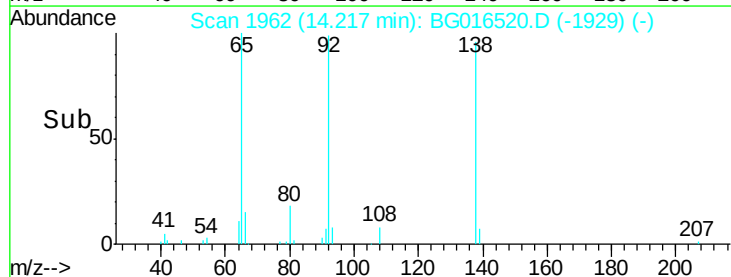
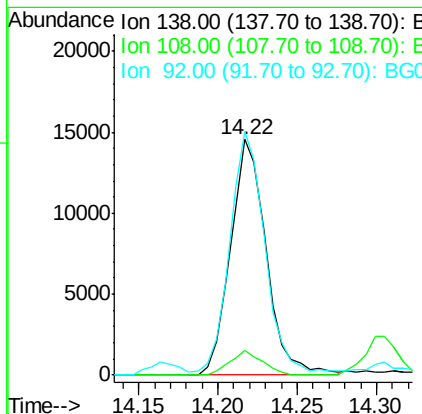
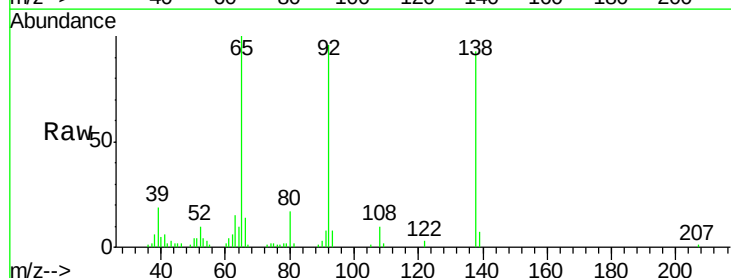
RT: 14.22 min Scan# 1962

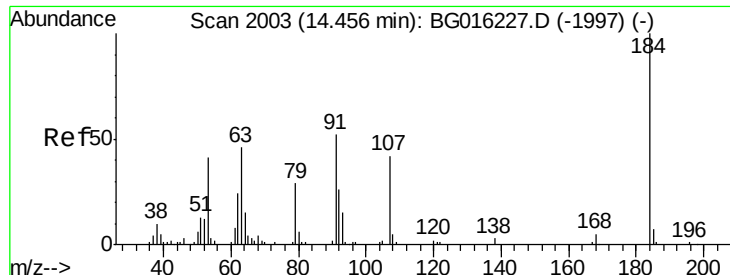
Delta R.T. -0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.7  | 7.4   | 11.0  |
| 92      | 103.3 | 91.4  | 137.0 |





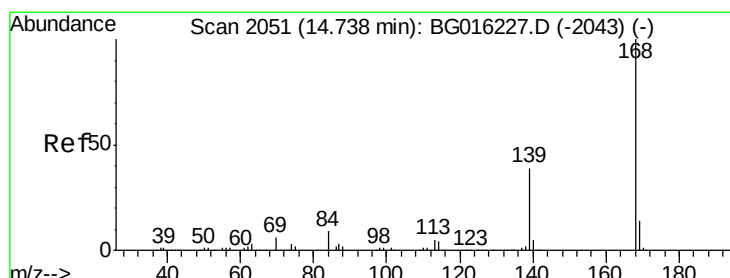
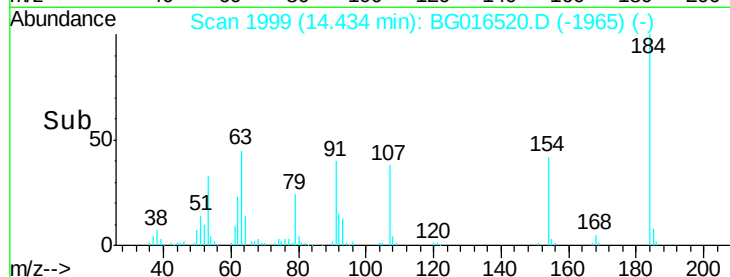
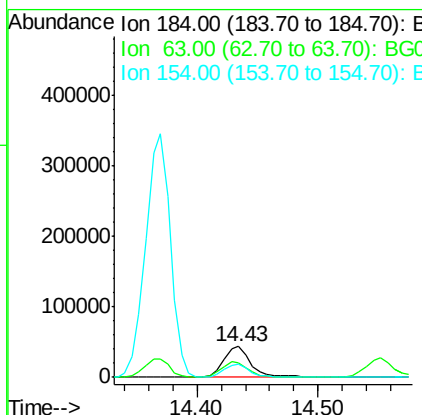
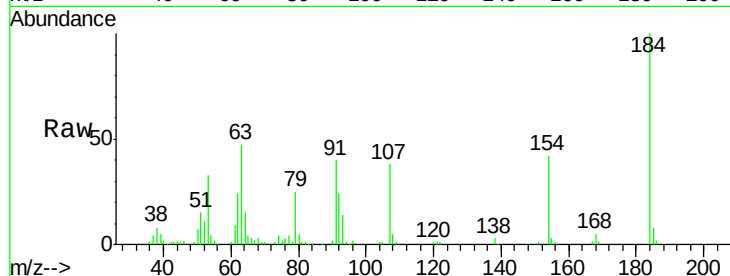
#53  
 2,4-Dinitrophenol  
 Concen: 40.27 ng  
 RT: 14.43 min Scan# 1999  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 184     | 100   | 69323 |       |       |
| 63      | 46.8  |       | 45.8  | 68.6  |
| 154     | 42.0  |       | 34.5  | 51.7  |

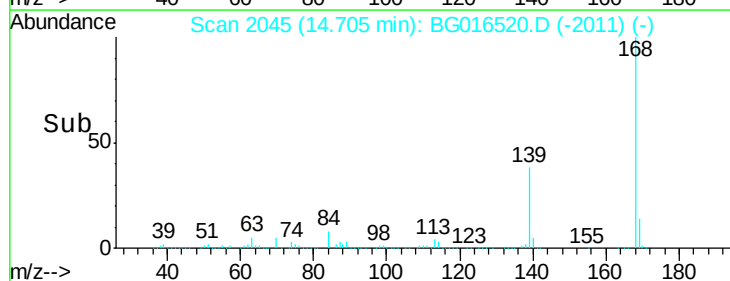
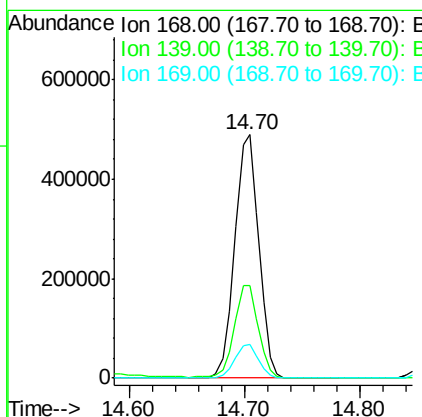
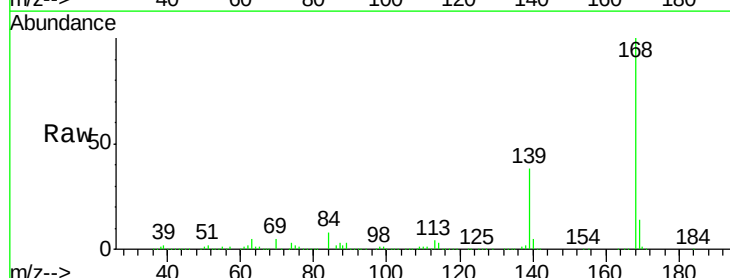
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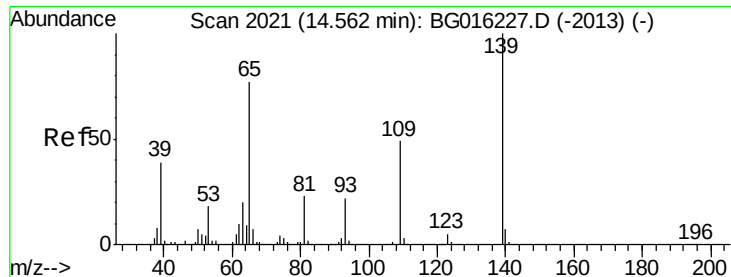
apatel  
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#54  
 Dibenzofuran  
 Concen: 43.05 ng  
 RT: 14.70 min Scan# 2045  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 168     | 100   | 702279 |       |       |
| 139     | 38.2  |        | 31.0  | 46.6  |
| 169     | 14.0  |        | 11.2  | 16.8  |





#55

4-Nitrophenol

Concen: 63.82 ng

RT: 14.55 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

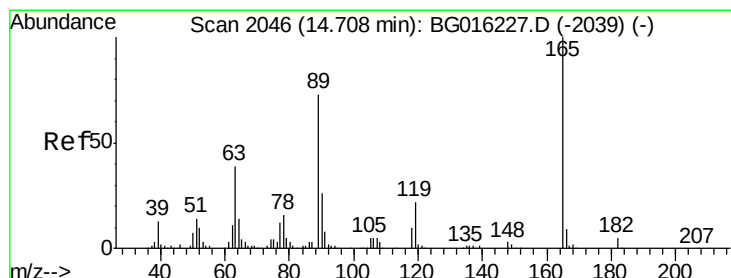
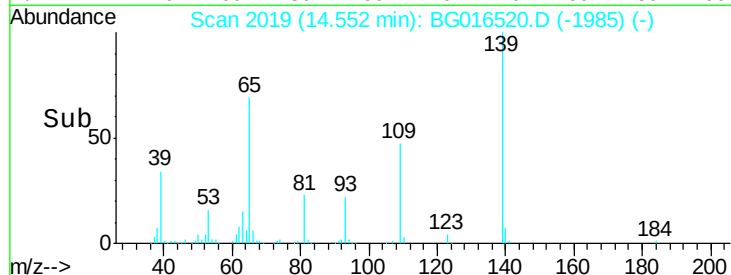
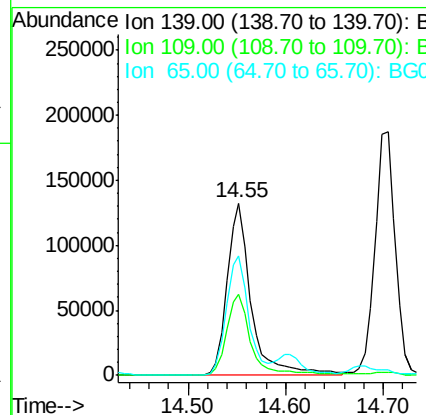
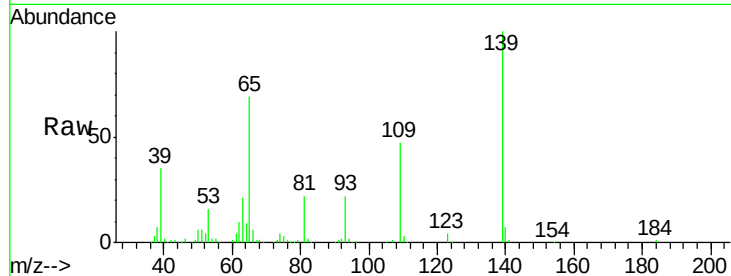
ClientSampled :

P5-27MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 226042 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 47.3  | 28.5  | 68.5   |
| 65        | 69.2  | 56.9  | 96.9   |

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#56

2,4-Dinitrotoluene

Concen: 44.34 ng

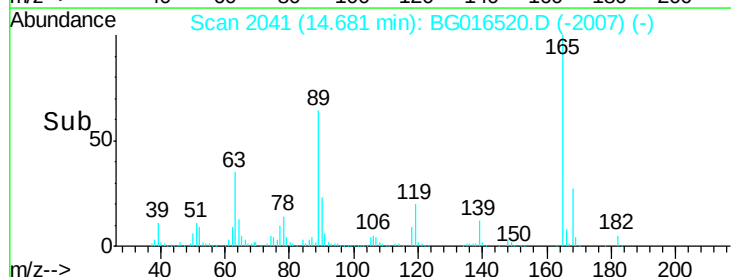
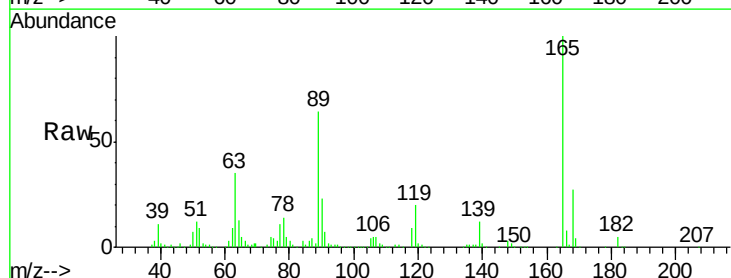
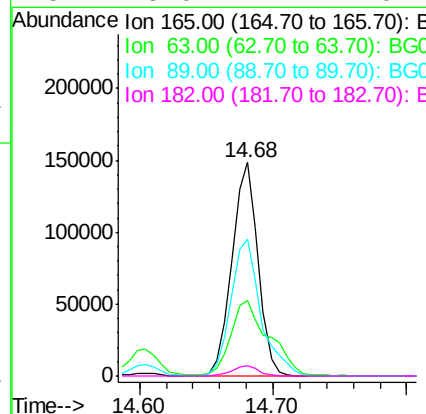
RT: 14.68 min Scan# 2041

Delta R.T. 0.00 min

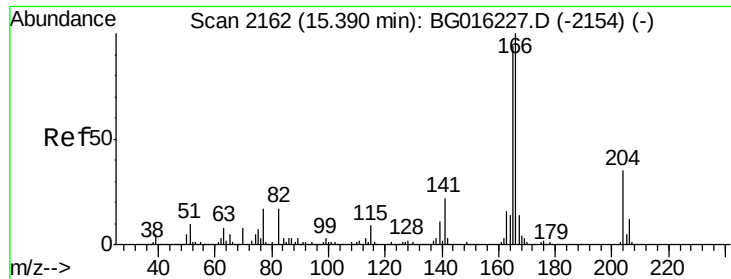
Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 202682 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 35.4  | 31.4  | 47.2   |
| 89        | 64.3  | 58.8  | 88.2   |
| 182       | 5.0   | 4.1   | 6.1    |







#57

Fluorene

Concen: 41.74 ng

RT: 15.35 min Scan# 2155

Delta R.T. 0.00 min

Lab File: BG016520.D

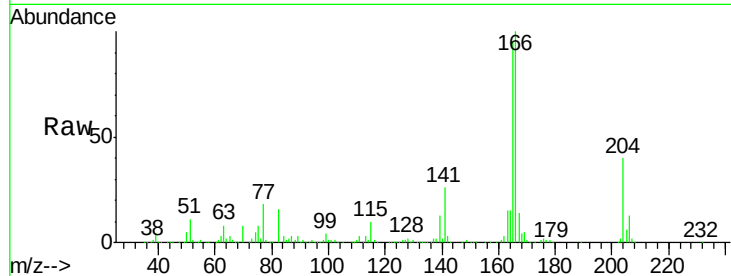
Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

ClientSampleId :

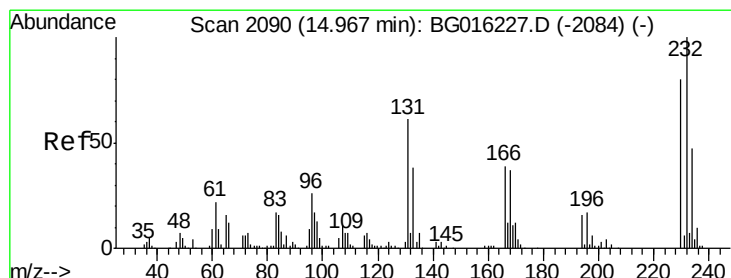
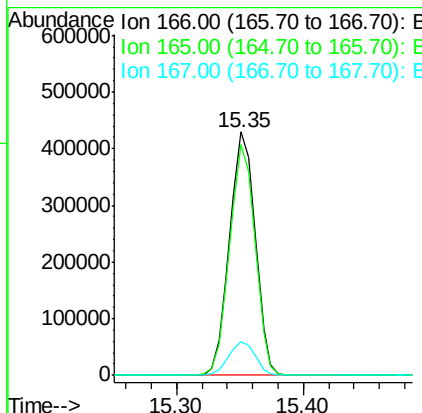
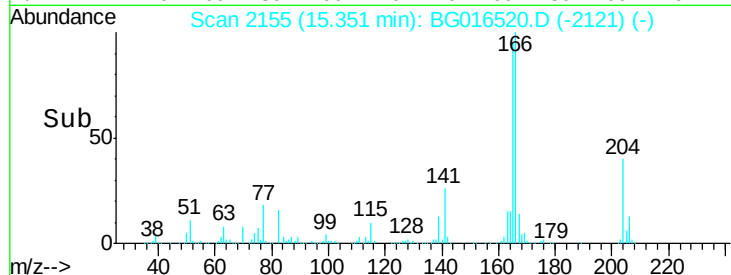
P5-27MSD



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 600785 |       |       |
| 165     | 94.8  | 75.2   | 112.8 |       |
| 167     | 13.9  | 11.3   | 16.9  |       |

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#58

2,3,4,6-Tetrachlorophenol

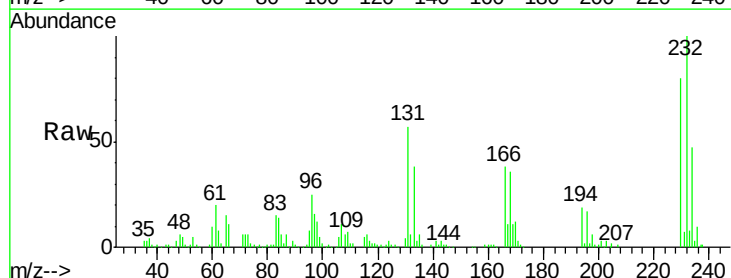
Concen: 44.51 ng

RT: 14.93 min Scan# 2084

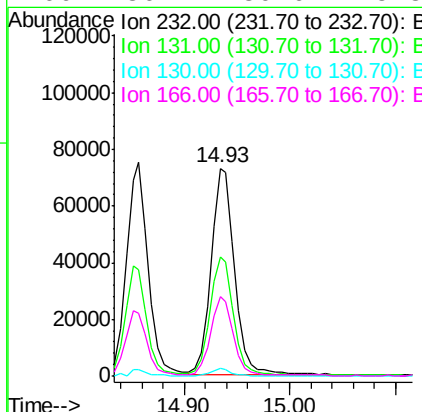
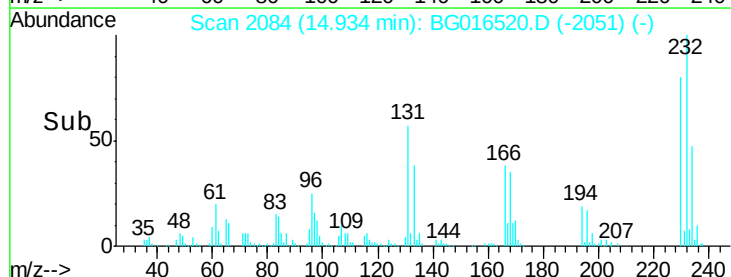
Delta R.T. -0.00 min

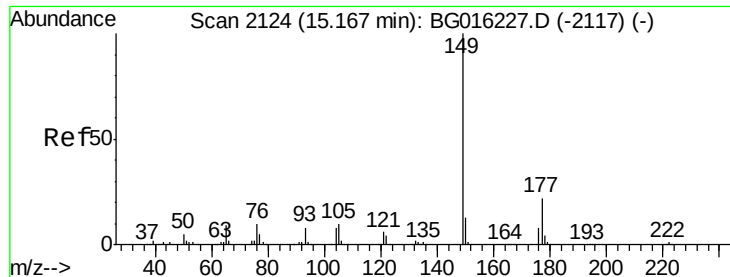
Lab File: BG016520.D

Acq: 18 Apr 2015 12:23



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 113672 |       |       |
| 131     | 56.8  | 49.8   | 74.6  |       |
| 130     | 3.1   | 2.6    | 3.8   |       |
| 166     | 36.7  | 30.6   | 45.8  |       |





#59

Diethylphthalate

Concen: 40.52 ng

RT: 15.13 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

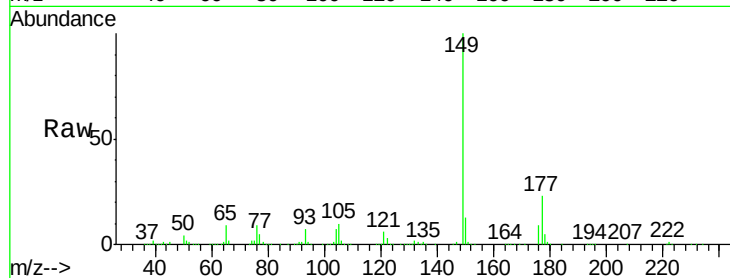
ClientSampleId :

P5-27MSD

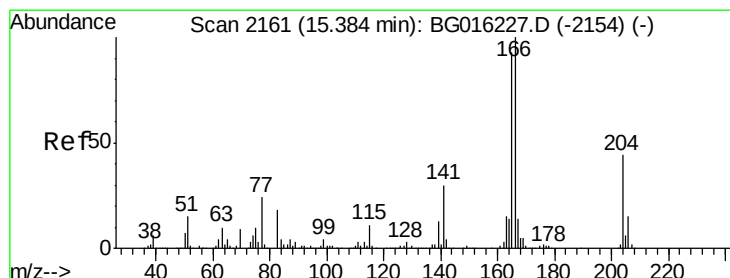
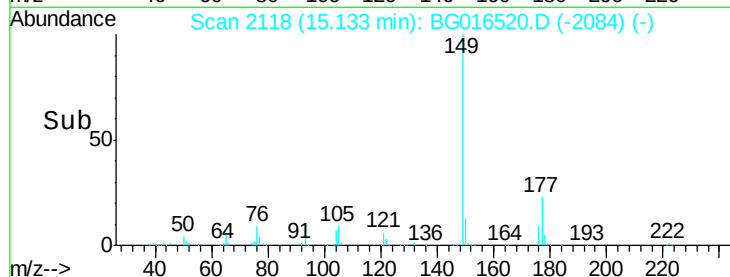
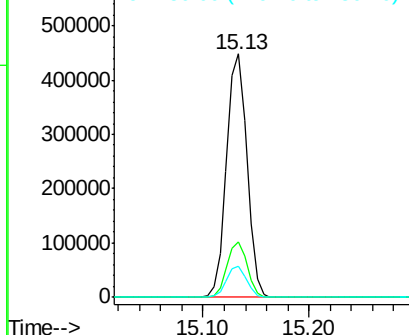
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 598525 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 22.8  | 17.7  | 26.5   |
| 150       | 12.9  | 10.0  | 15.0   |

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



#60

4-Chlorophenyl-phenylether

Concen: 42.31 ng

RT: 15.34 min Scan# 2154

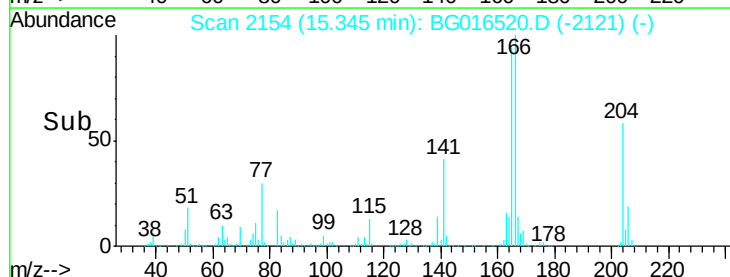
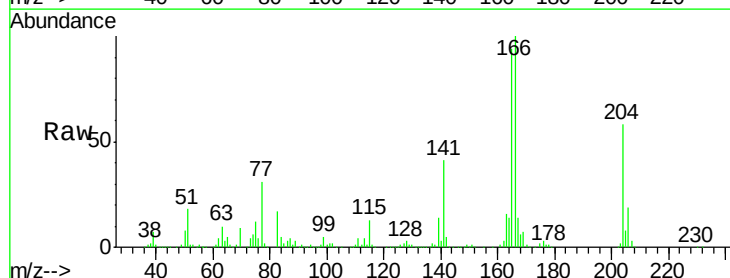
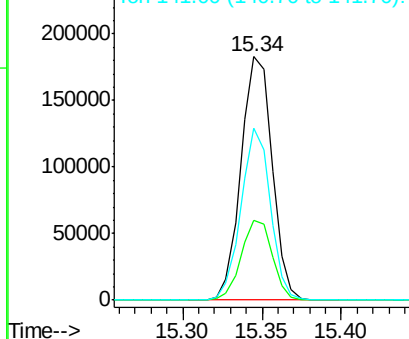
Delta R.T. -0.00 min

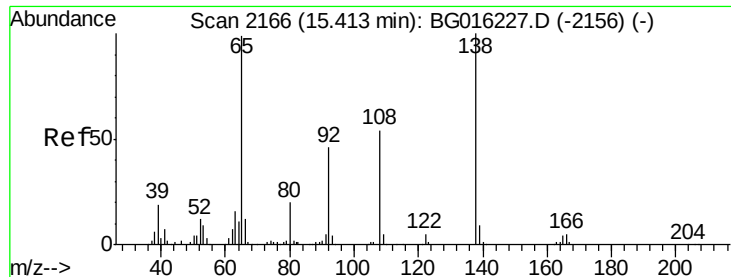
Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 204   | Resp: | 249102 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 32.8  | 27.6  | 41.4   |
| 141       | 70.7  | 55.4  | 83.2   |

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





#61

4-Nitroaniline

Concen: 35.20 ng

RT: 15.39 min Scan# 2161

Delta R.T. 0.00 min

Lab File: BG016520.D

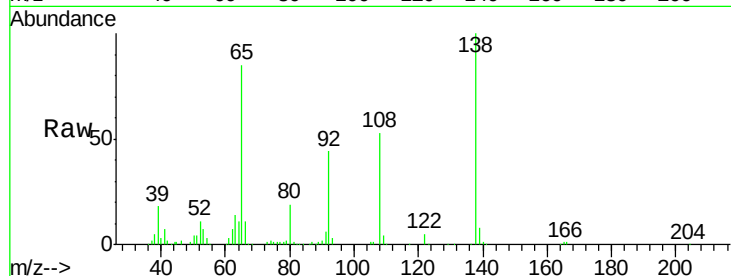
Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

ClientSampled :

P5-27MSD



Tgt Ion: 138 Resp: 171221

Ion Ratio Lower Upper

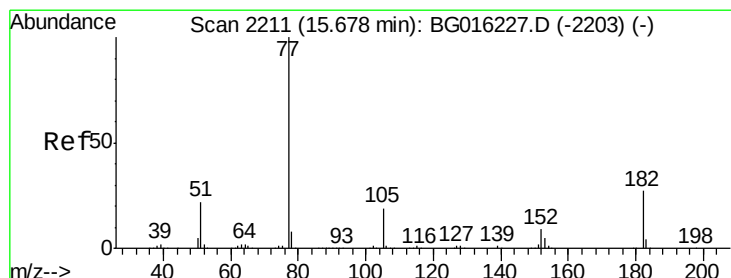
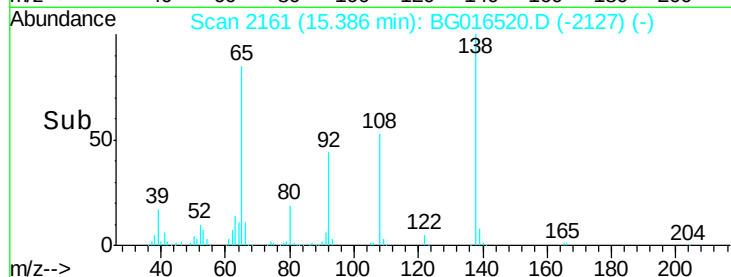
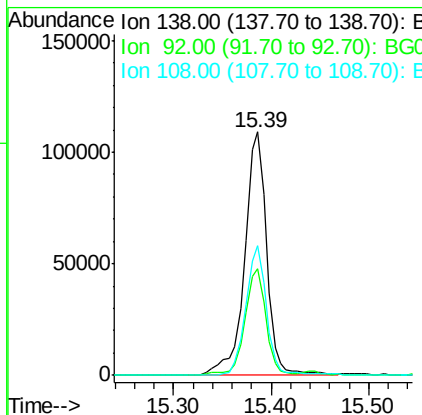
138 100

92 43.7 26.3 66.3

108 53.2 33.6 73.6

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#62

Azobenzene

Concen: 38.66 ng

RT: 15.64 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Tgt Ion: 77 Resp: 607790

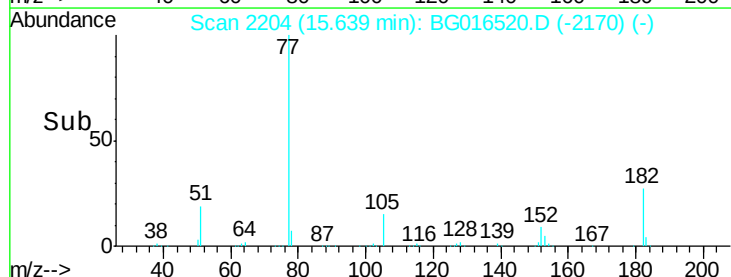
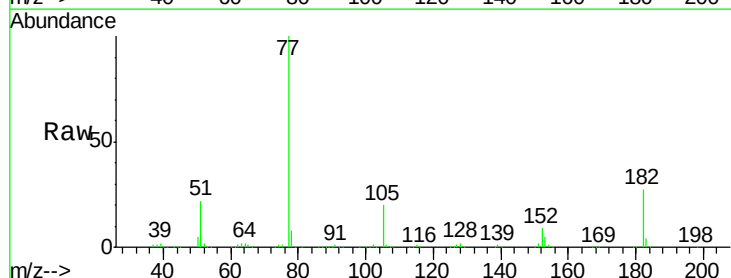
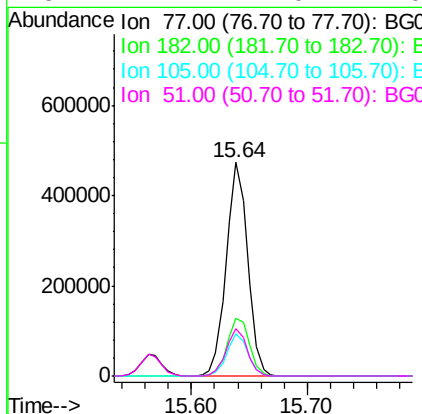
Ion Ratio Lower Upper

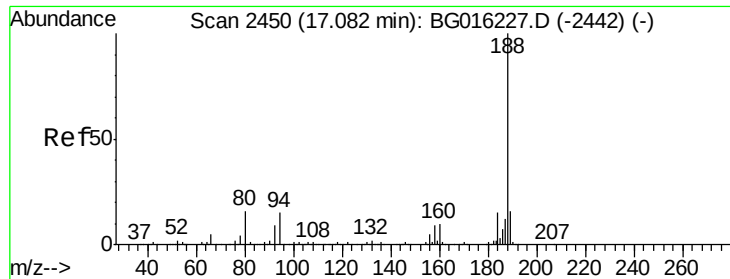
77 100

182 27.2 6.6 46.6

105 19.5 0.0 39.2

51 22.2 2.0 42.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.04 min Scan# 2443

Delta R.T. -0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

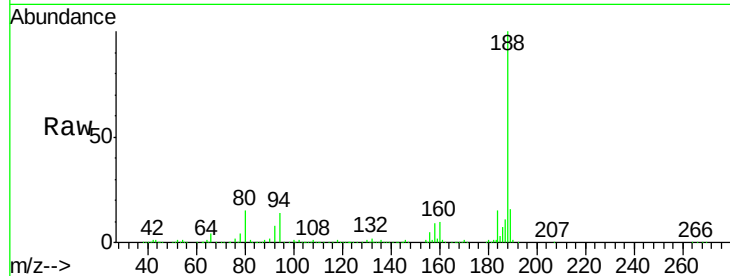
ClientSampleId :

P5-27MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 374051 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 14.0  | 12.2  | 18.4   |
| 80        | 14.7  | 12.8  | 19.2   |

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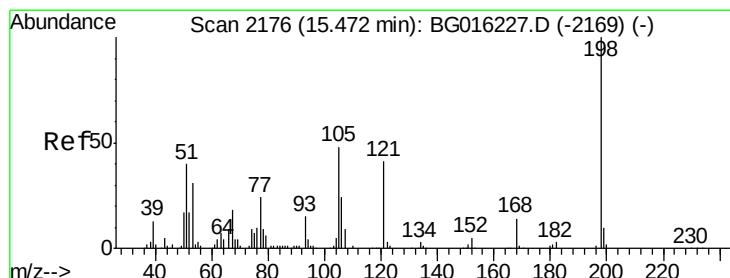
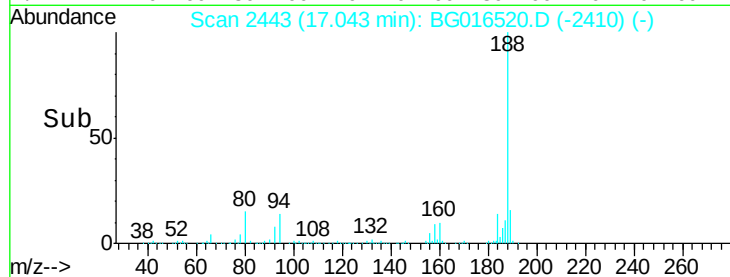
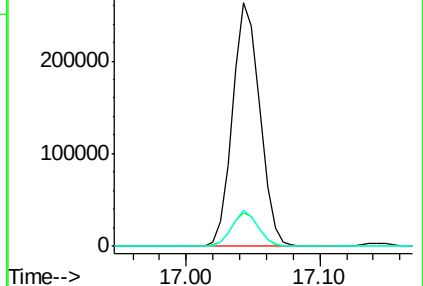
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 29.43 ng

RT: 15.44 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BG016520.D

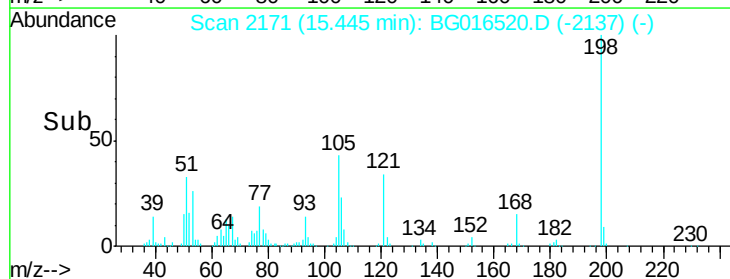
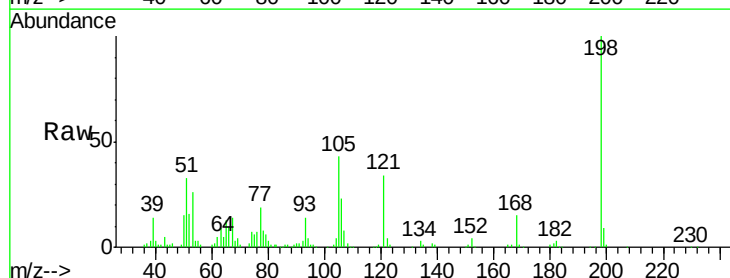
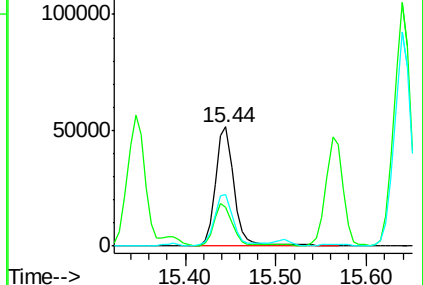
Acq: 18 Apr 2015 12:23

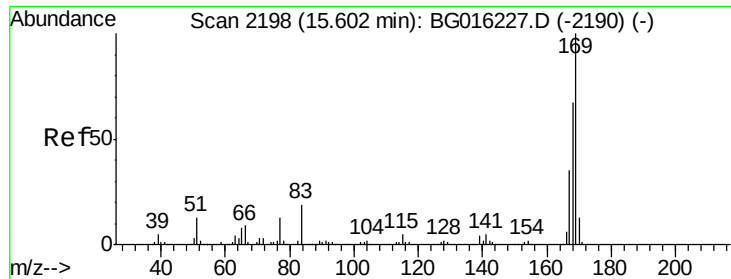
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 198   | Resp: | 73163 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 32.7  | 20.7  | 60.7  |
| 105       | 43.1  | 28.8  | 68.8  |

Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





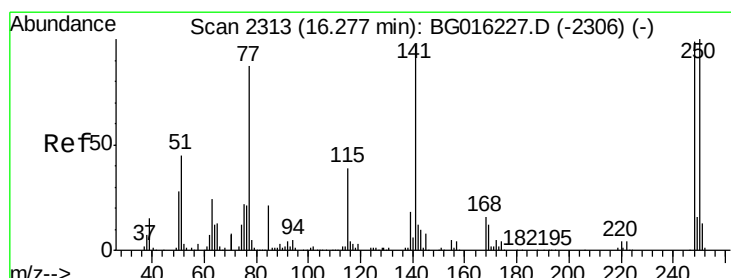
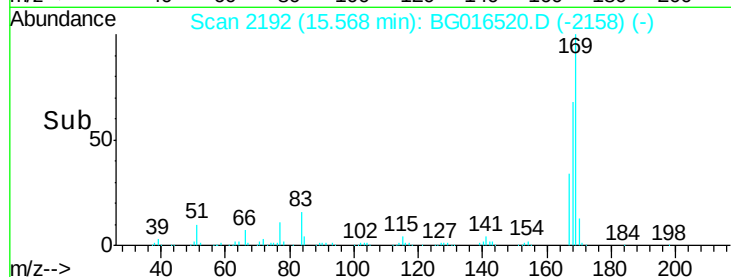
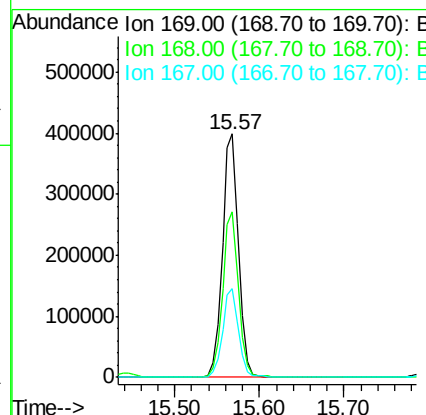
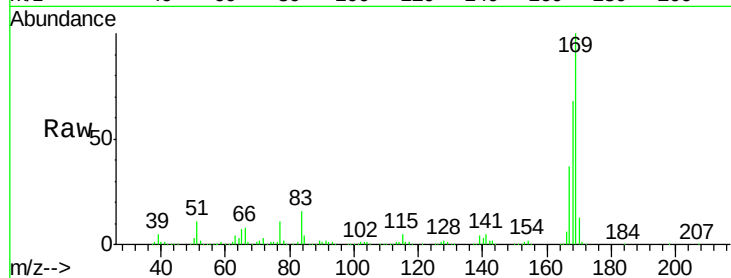
#65  
n-Nitrosodiphenylamine  
Concen: 41.96 ng  
RT: 15.57 min Scan# 2192  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 530634 |       |       |
| 168     | 67.8  | 53.4   | 80.0  |       |
| 167     | 36.7  | 28.3   | 42.5  |       |

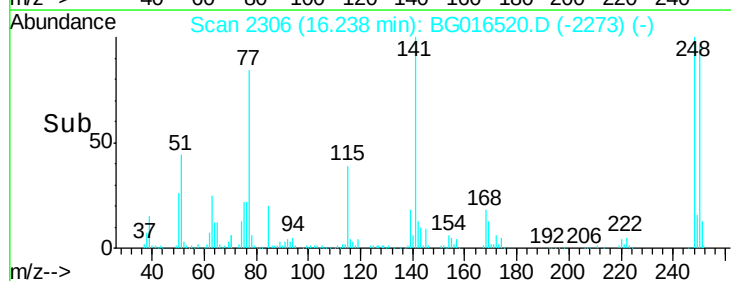
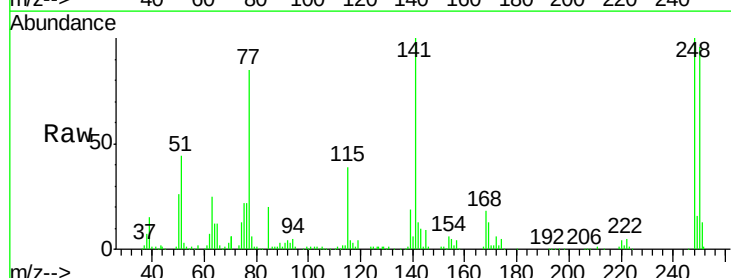
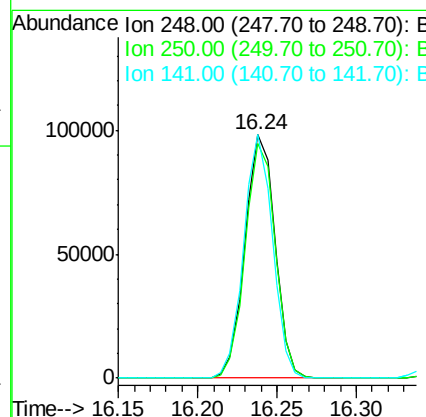
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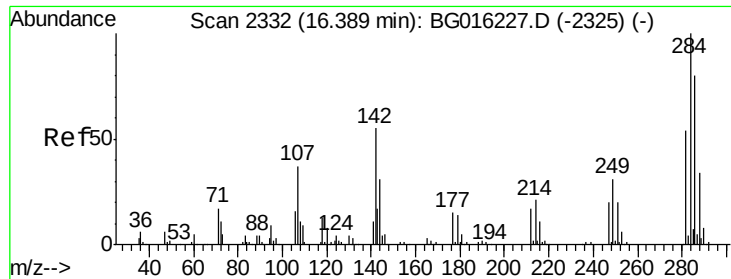
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#66  
4-Bromophenyl-phenylether  
Concen: 43.28 ng  
RT: 16.24 min Scan# 2306  
Delta R.T. -0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 129265 |       |       |
| 250     | 96.1  | 80.5   | 120.7 |       |
| 141     | 99.9  | 78.2   | 117.4 |       |





#67

Hexachlorobenzene

Concen: 42.09 ng

RT: 16.36 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

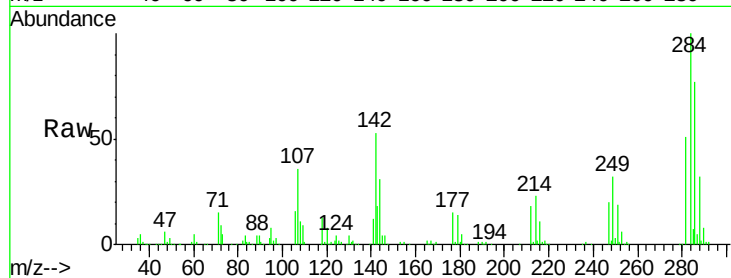
ClientSampleId :

P5-27MSD

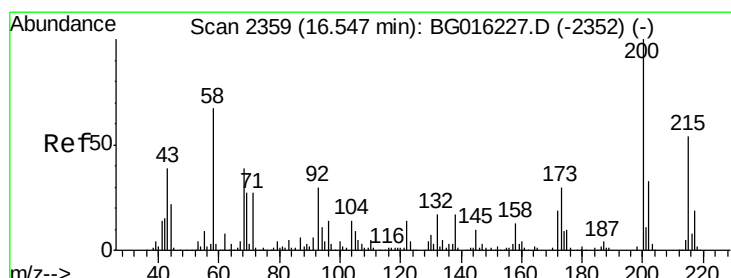
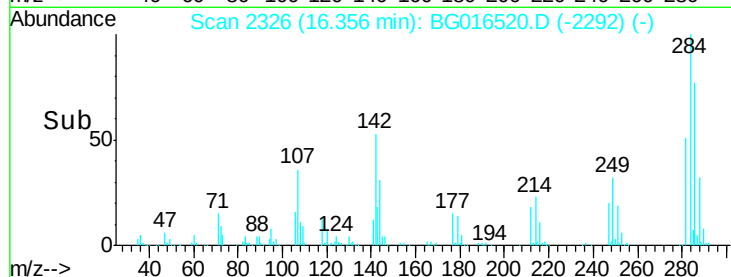
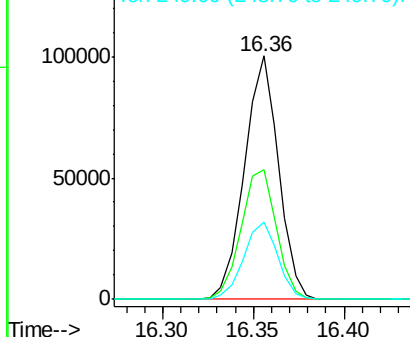
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 284   | Resp: | 130663 |
| Ion Ratio | Lower | Upper |        |
| 284       | 100   |       |        |
| 142       | 53.4  | 44.2  | 66.2   |
| 249       | 31.9  | 24.8  | 37.2   |

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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: 46.88 ng

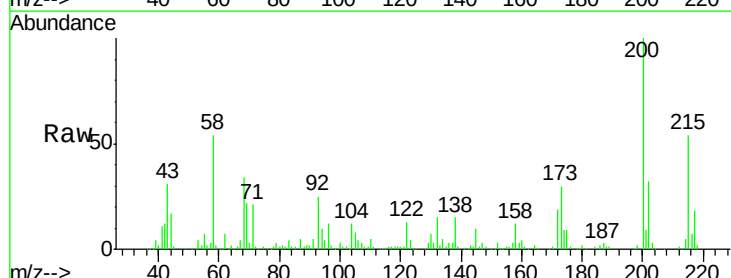
RT: 16.52 min Scan# 2354

Delta R.T. 0.00 min

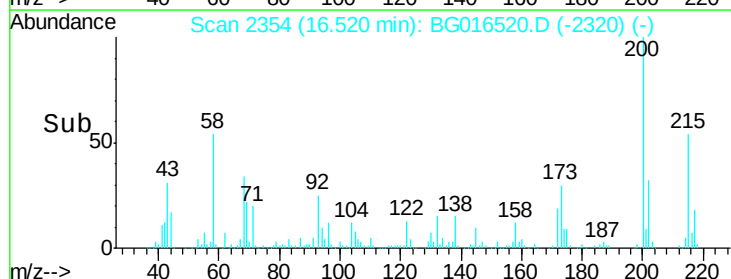
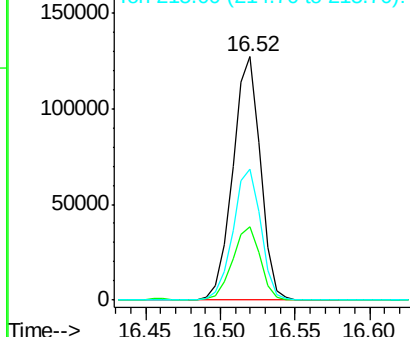
Lab File: BG016520.D

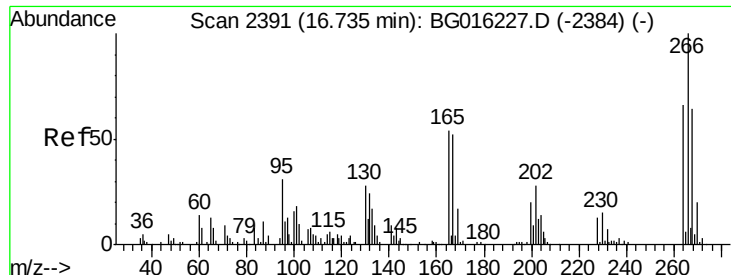
Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 165200 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 30.3  | 10.2  | 50.2   |
| 215       | 53.8  | 34.4  | 74.4   |



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





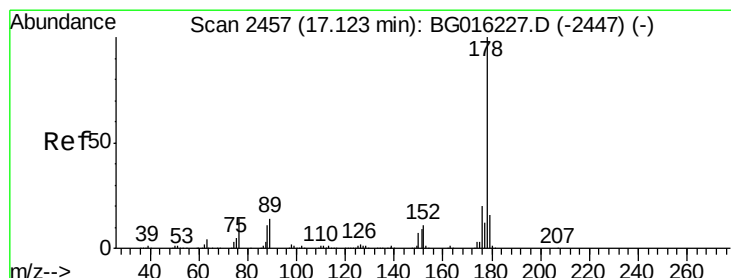
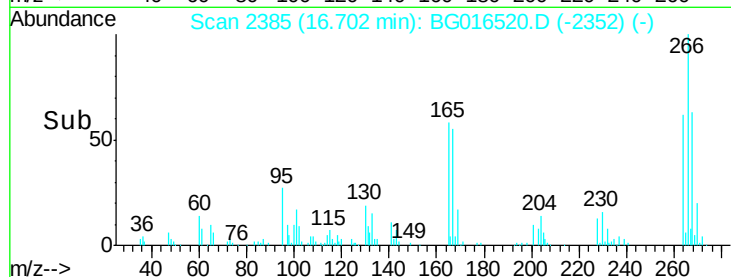
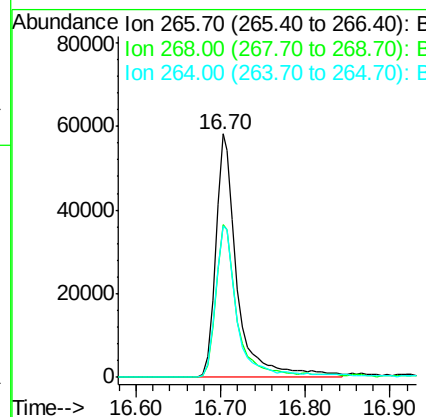
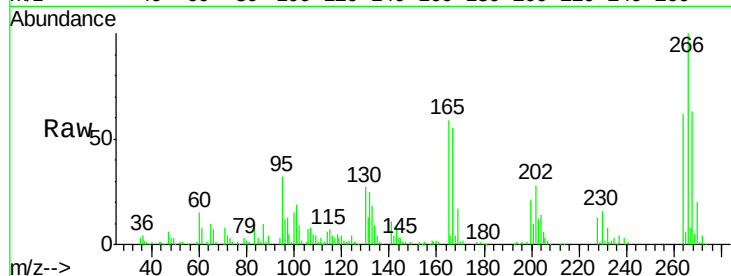
#69  
 Pentachlorophenol  
 Concen: 54.97 ng  
 RT: 16.70 min Scan# 2385  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 104192 |       |       |
| 268     | 62.6  | 50.9   | 76.3  |       |
| 264     | 62.3  | 52.8   | 79.2  |       |

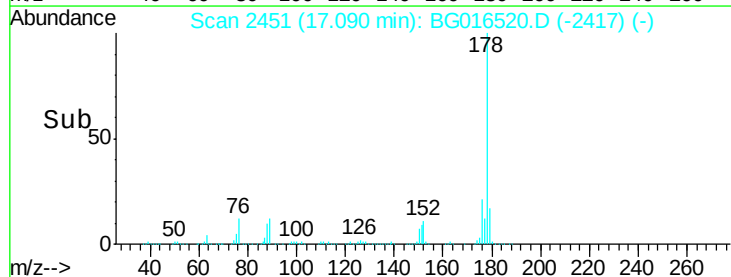
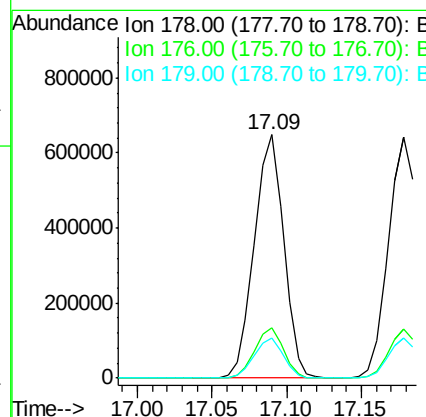
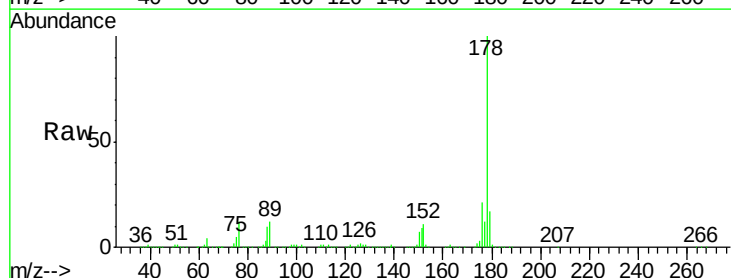
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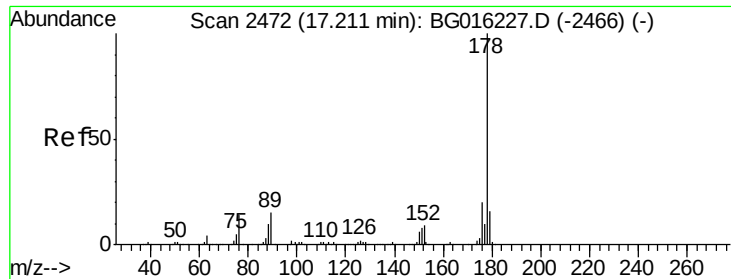
apatel  
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#70  
 Phenanthrene  
 Concen: 41.96 ng  
 RT: 17.09 min Scan# 2451  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 882898 |       |       |
| 176     | 20.6  | 16.2   | 24.4  |       |
| 179     | 16.5  | 12.7   | 19.1  |       |





#71

Anthracene

Concen: 42.54 ng

RT: 17.18 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

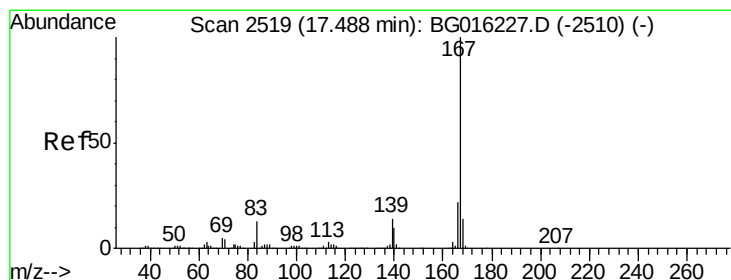
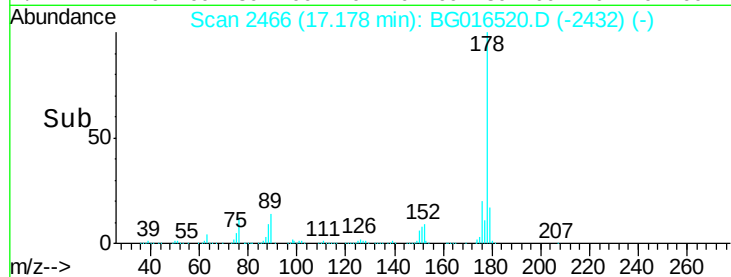
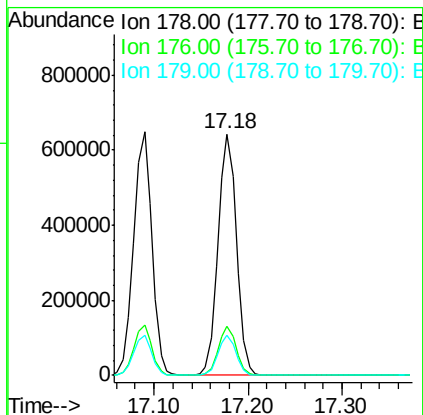
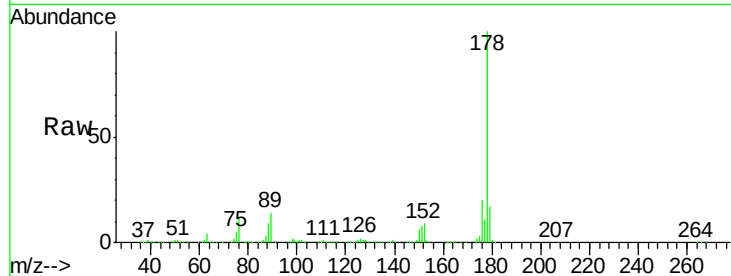
ClientSampleId :

P5-27MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 886898 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 20.5  | 15.9  | 23.9   |
| 179       | 16.6  | 13.0  | 19.6   |

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#72

Carbazole

Concen: 43.23 ng

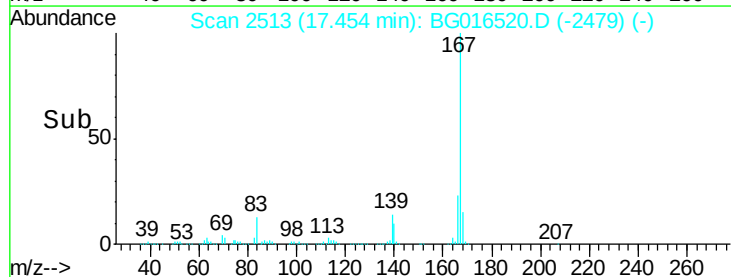
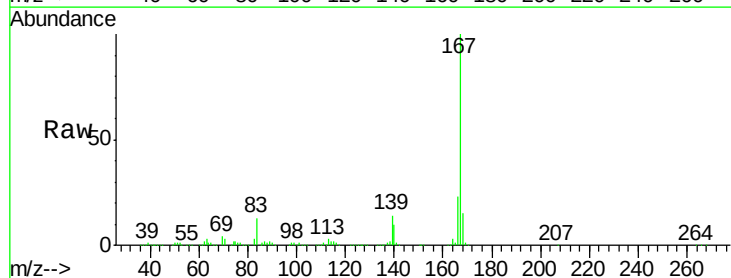
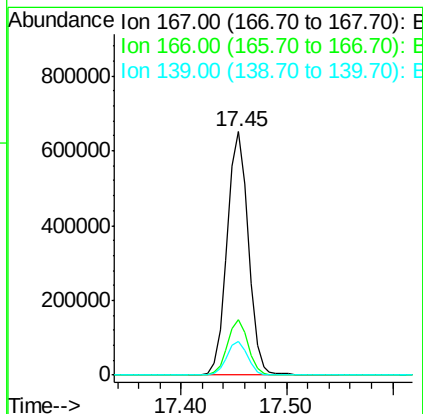
RT: 17.45 min Scan# 2513

Delta R.T. 0.00 min

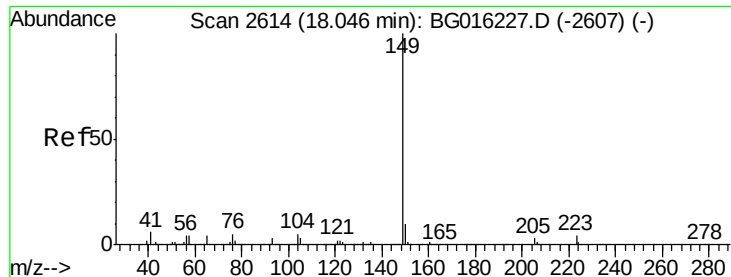
Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 167   | Resp: | 904573 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.5  | 17.9  | 26.9   |
| 139       | 14.1  | 11.5  | 17.3   |







#73

Di-n-butylphthalate

Concen: 41.89 ng

RT: 18.01 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

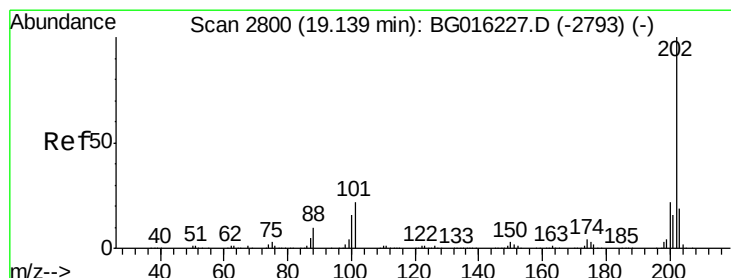
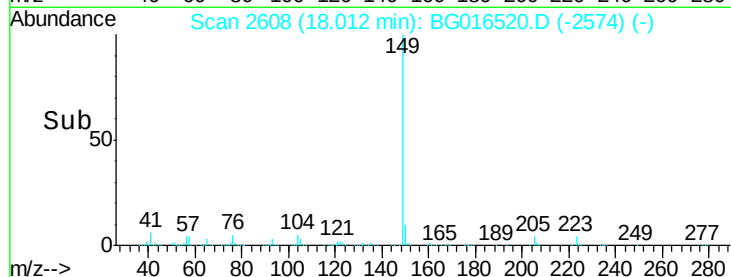
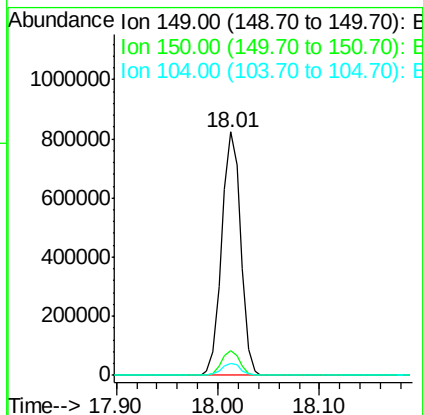
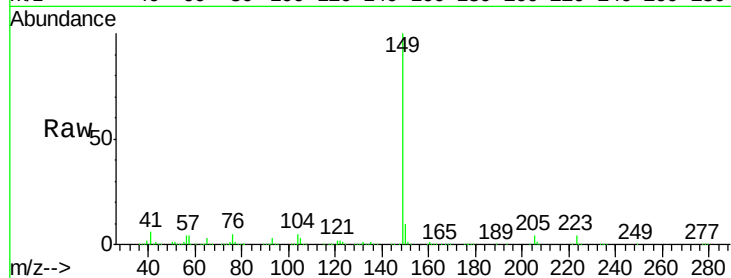
ClientSampleId :

P5-27MSD

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1072625 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 150       | 10.4  | 8.2   | 12.4    |
| 104       | 5.0   | 4.0   | 6.0     |

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#74

Fluoranthene

Concen: 41.81 ng

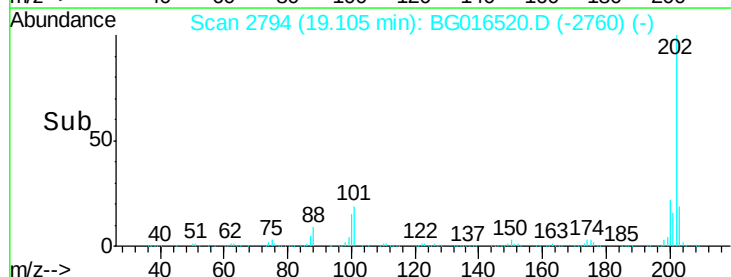
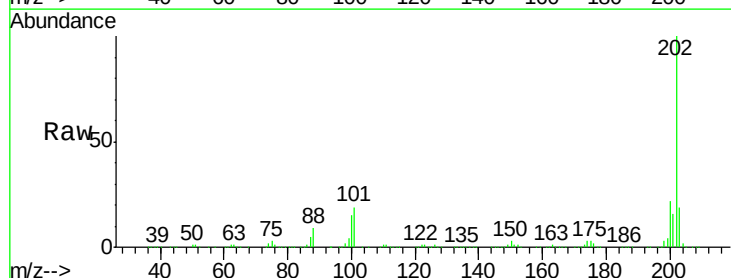
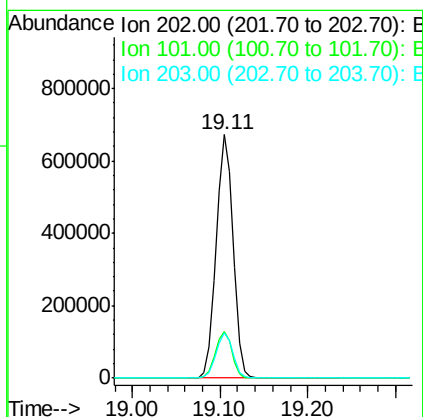
RT: 19.11 min Scan# 2794

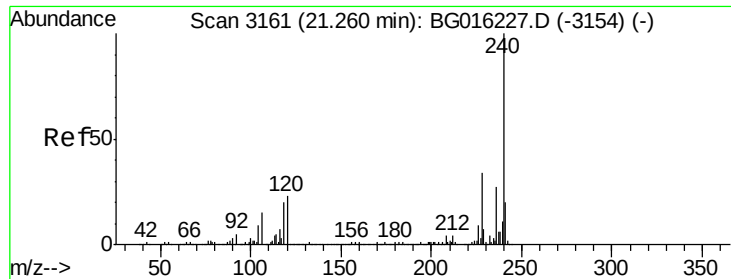
Delta R.T. 0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 906703 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 19.1  | 1.7   | 41.7   |
| 203       | 18.7  | 0.0   | 38.7   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.23 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

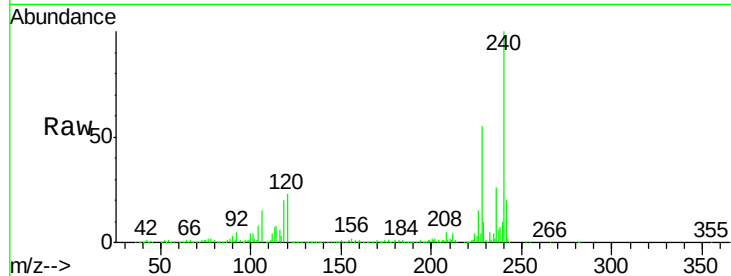
ClientSampleId :

P5-27MSD

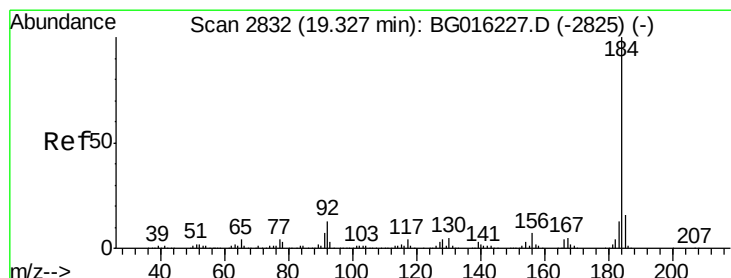
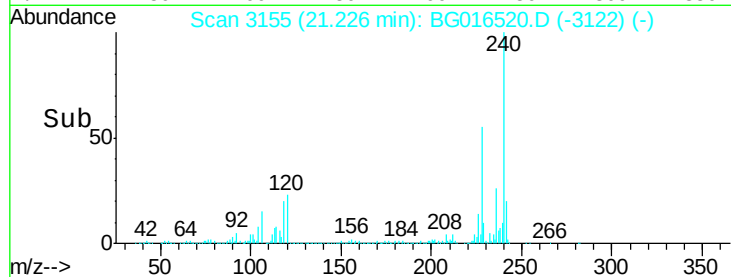
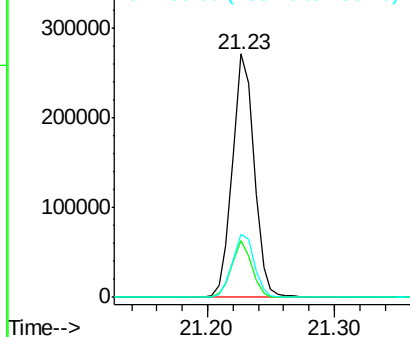
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 320906 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 23.1  | 18.6  | 28.0   |
| 236       | 25.9  | 21.7  | 32.5   |

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Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 7.42 ng

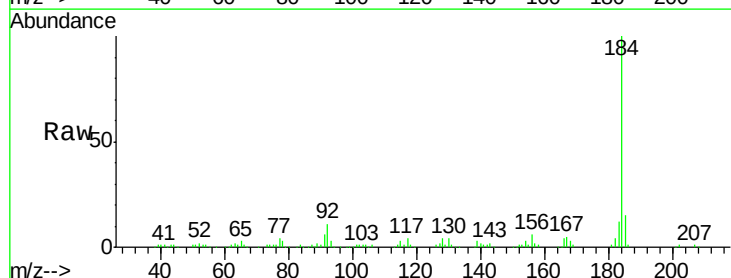
RT: 19.30 min Scan# 2827

Delta R.T. 0.00 min

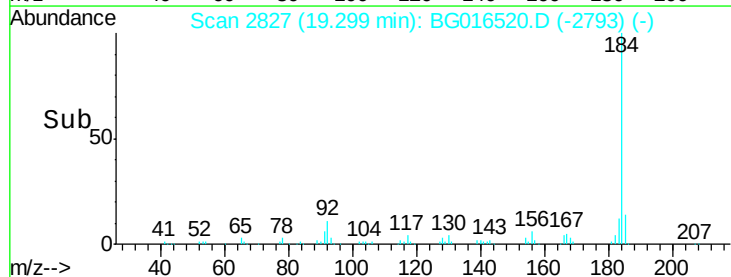
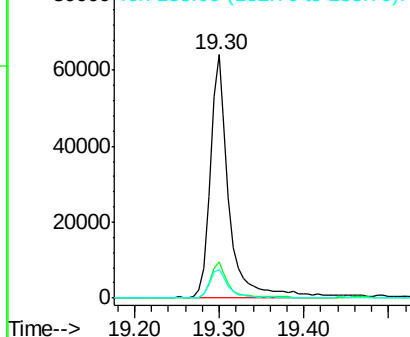
Lab File: BG016520.D

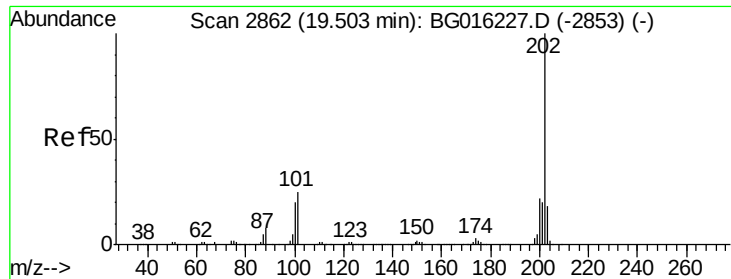
Acq: 18 Apr 2015 12:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 101006 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.7  | 12.6  | 19.0   |
| 183       | 11.6  | 10.4  | 15.6   |



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E





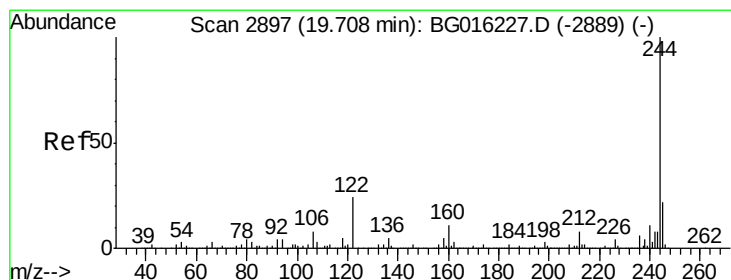
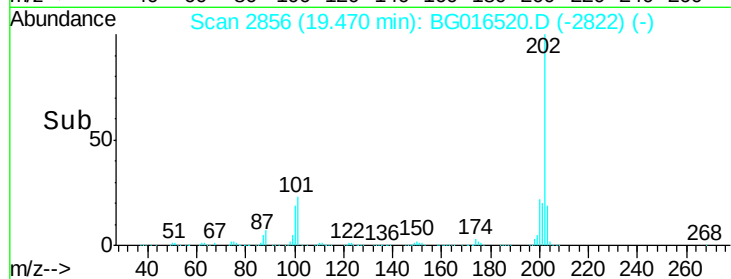
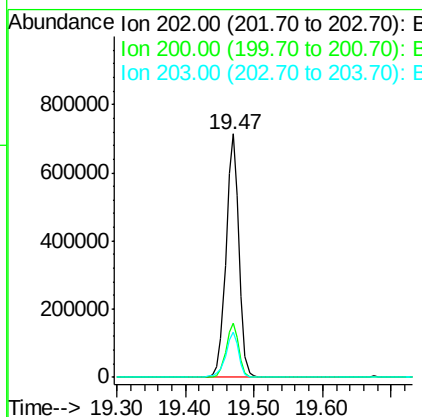
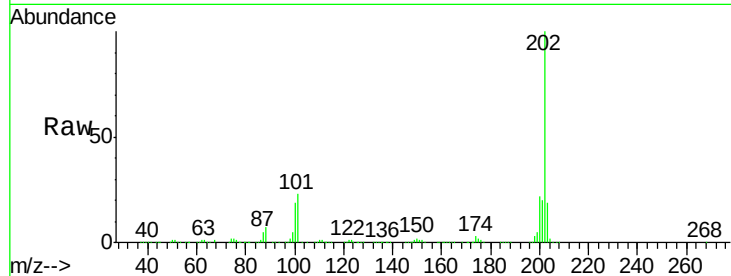
#77  
 Pyrene  
 Concen: 41.95 ng  
 RT: 19.47 min Scan# 2856  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 937299 |       |       |
| 200     | 22.2  | 17.8   | 26.8  |       |
| 203     | 18.5  | 14.7   | 22.1  |       |

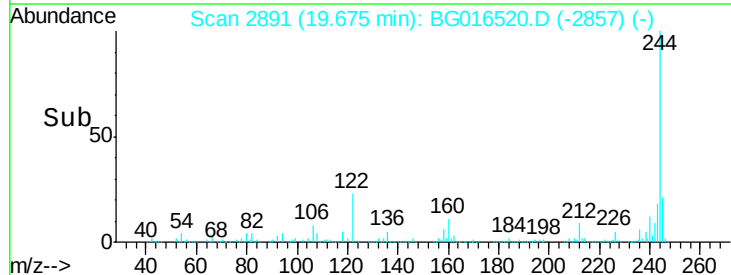
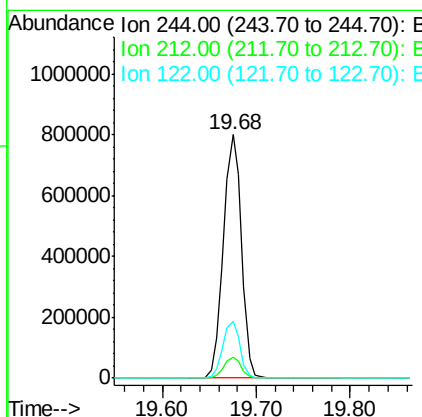
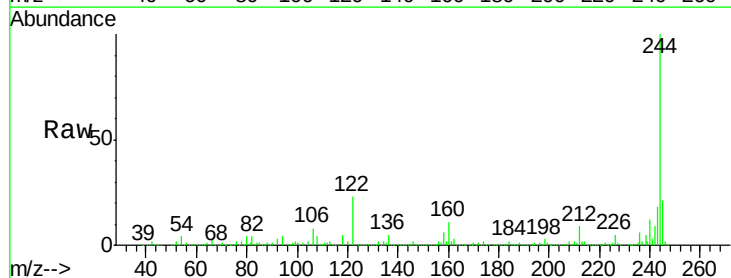
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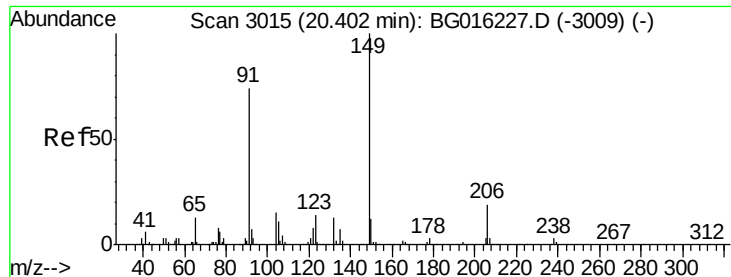
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#78  
 Terphenyl-d14  
 Concen: 78.18 ng  
 RT: 19.68 min Scan# 2891  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 244     | 100   | 1071997 |       |       |
| 212     | 8.6   | 6.6     | 9.8   |       |
| 122     | 23.3  | 19.1    | 28.7  |       |





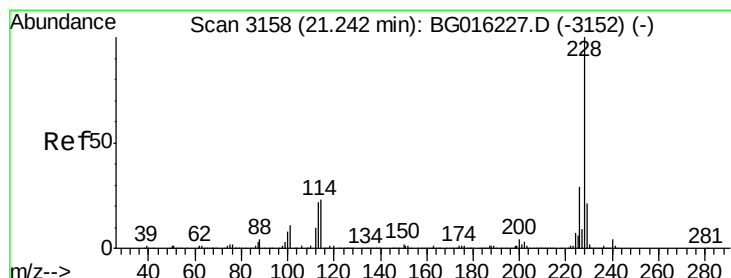
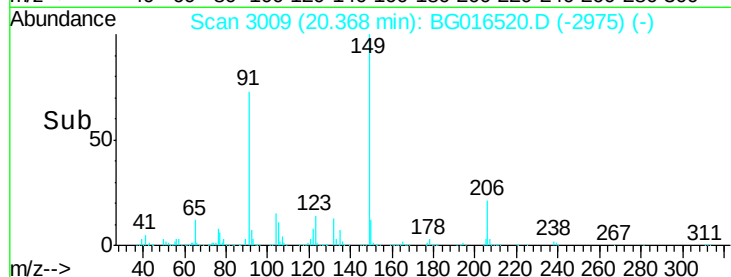
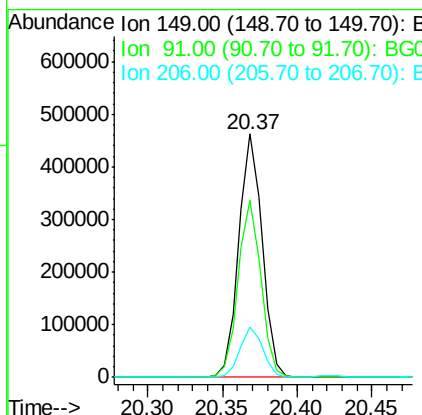
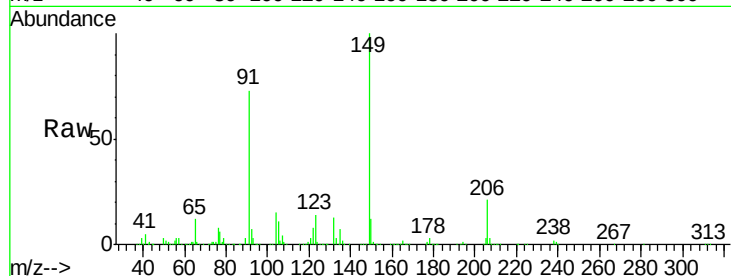
#79  
Butylbenzylphthalate  
Concen: 46.31 ng  
RT: 20.37 min Scan# 3009  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 508399 |       |       |
| 91      | 72.6  | 59.4   | 89.2  |       |
| 206     | 20.6  | 15.6   | 23.4  |       |

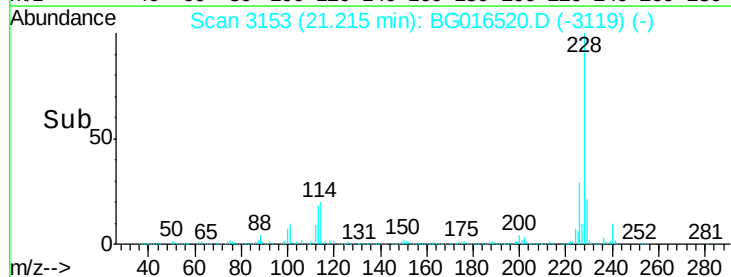
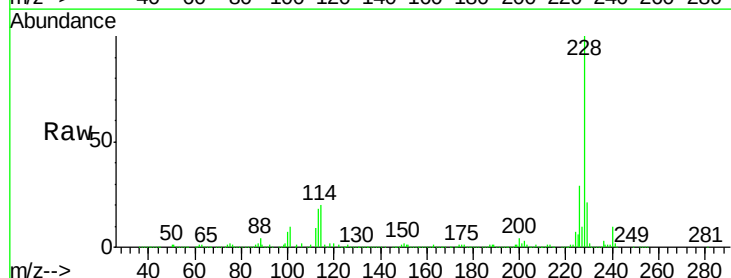
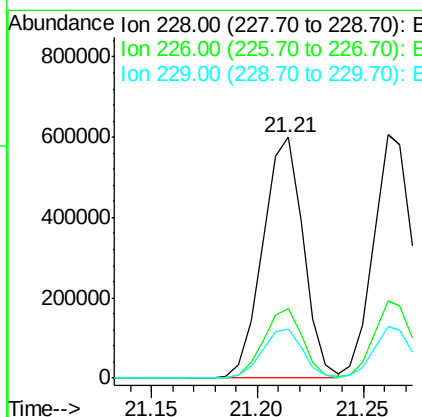
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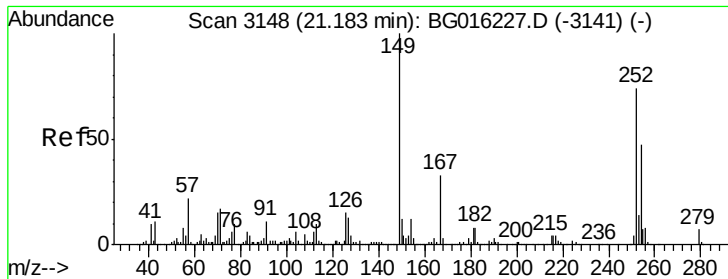
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#80  
Benzo(a)anthracene  
Concen: 42.29 ng  
RT: 21.21 min Scan# 3153  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 801995 |       |       |
| 226     | 28.8  | 23.5   | 35.3  |       |
| 229     | 20.6  | 16.8   | 25.2  |       |





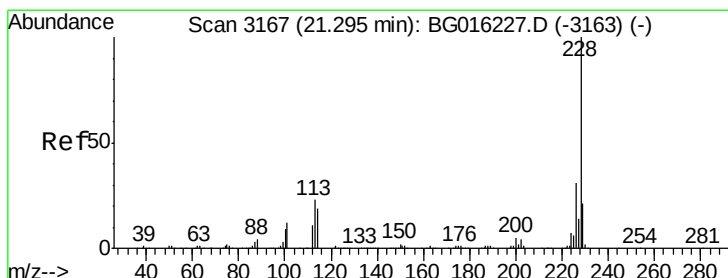
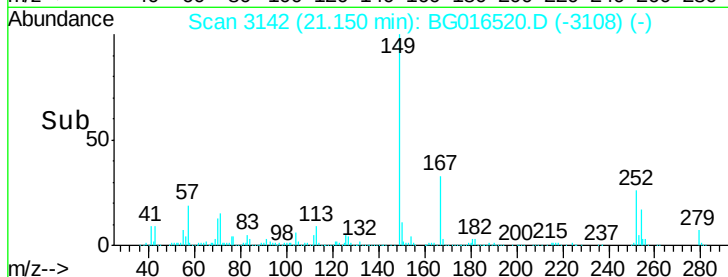
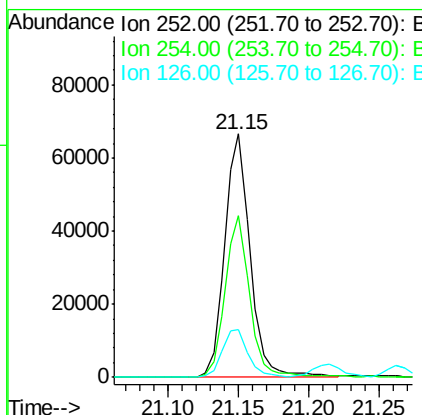
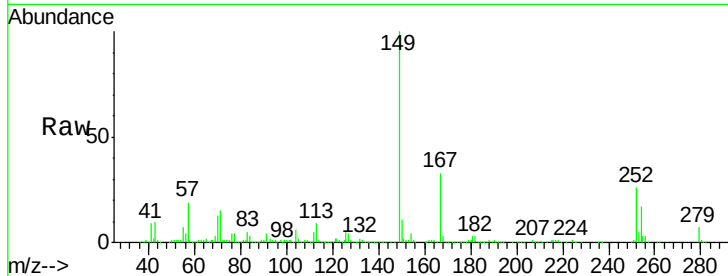
#81  
 3,3'-Dichlorobenzidine  
 Concen: 13.37 ng  
 RT: 21.15 min Scan# 3142  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 252     | 100   | 83409 |       |       |
| 254     | 66.2  | 50.8  | 76.2  |       |
| 126     | 19.7  | 16.0  | 24.0  |       |

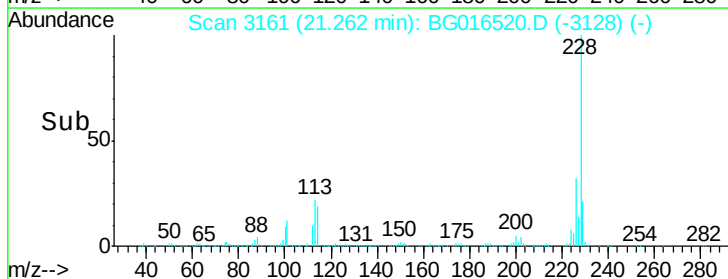
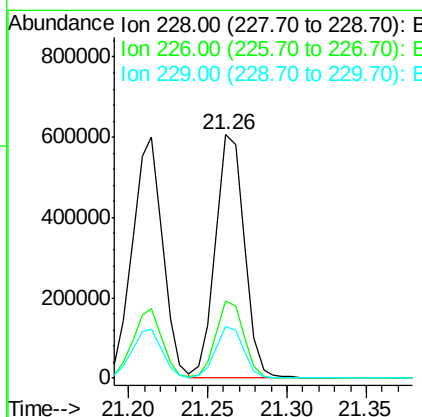
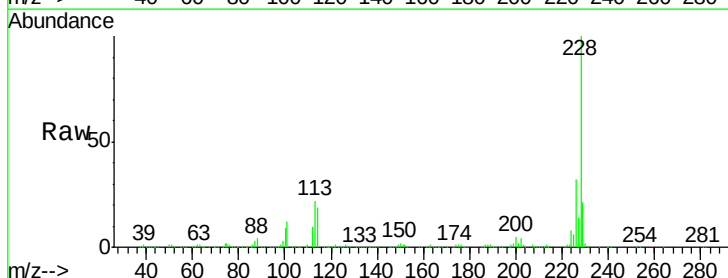
Manual Integrations  
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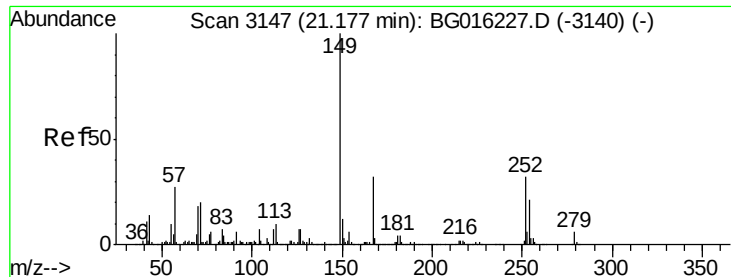
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#82  
 Chrysene  
 Concen: 41.95 ng  
 RT: 21.26 min Scan# 3161  
 Delta R.T. -0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 768160 |       |       |
| 226     | 31.9  | 25.0   | 37.4  |       |
| 229     | 21.1  | 17.0   | 25.4  |       |





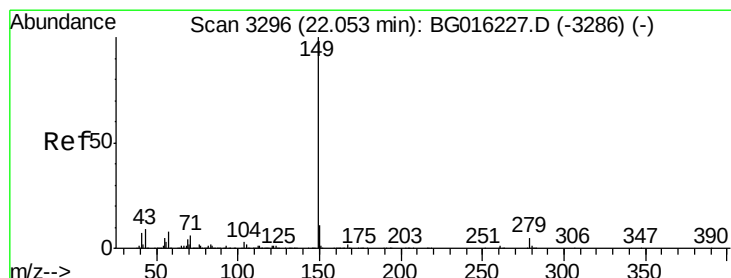
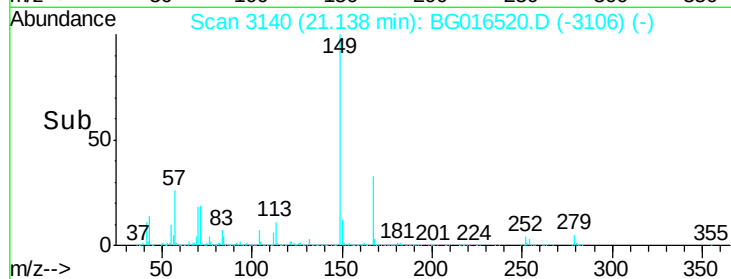
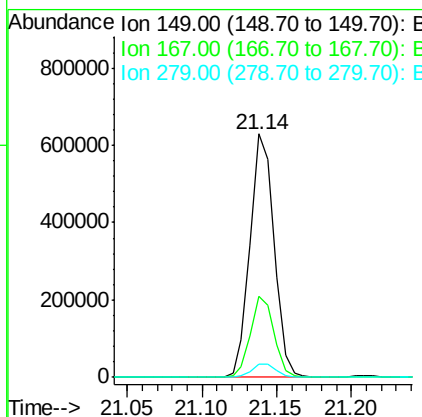
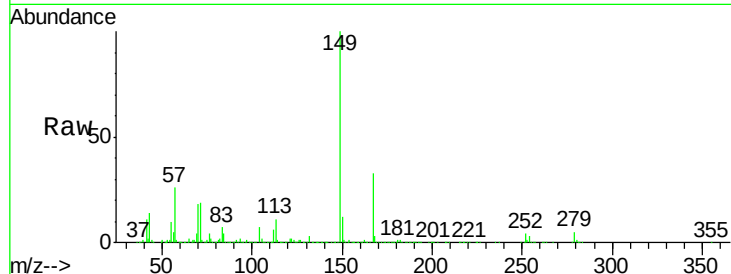
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 47.17 ng  
 RT: 21.14 min Scan# 3140  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 P5-27MSD

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 701097 |       |       |
| 167     | 33.3  | 25.8   | 38.6  |       |
| 279     | 5.4   | 4.7    | 7.1   |       |

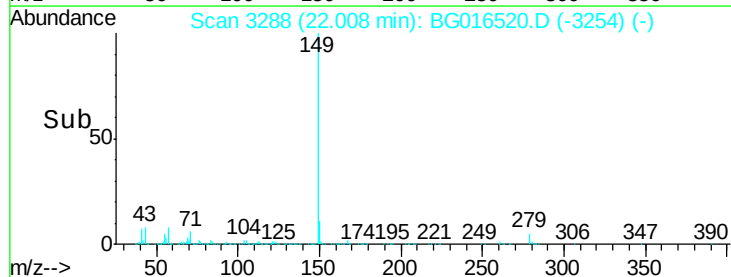
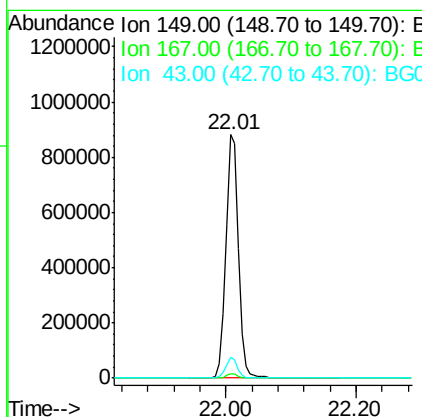
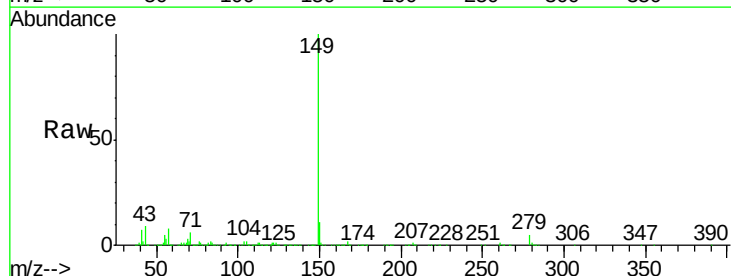
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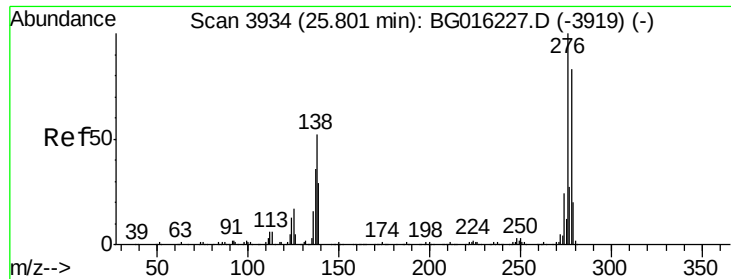
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#84  
 Di-n-octyl phthalate  
 Concen: 48.33 ng  
 RT: 22.01 min Scan# 3288  
 Delta R.T. 0.00 min  
 Lab File: BG016520.D  
 Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 149     | 100   | 1170386 |       |       |
| 167     | 1.7   | 1.3     | 1.9   |       |
| 43      | 7.8   | 7.0     | 10.4  |       |





#85

Indeno(1,2,3-cd)pyrene

Concen: 45.05 ng

RT: 25.73 min Scan# 3922

Delta R.T. 0.00 min

Lab File: BG016520.D

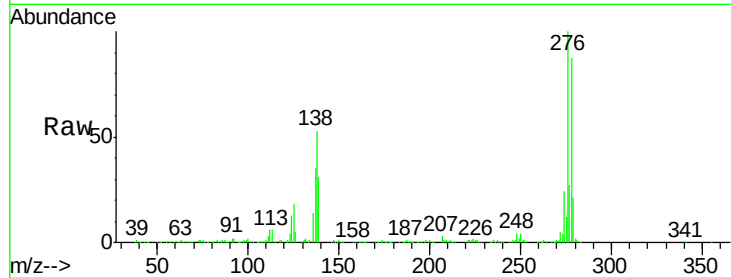
Acq: 18 Apr 2015 12:23

Instrument :

BNA\_G

ClientSampleId :

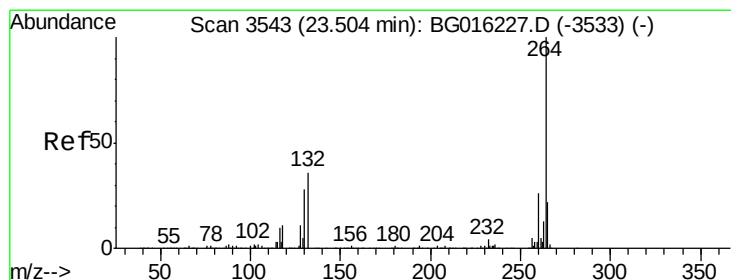
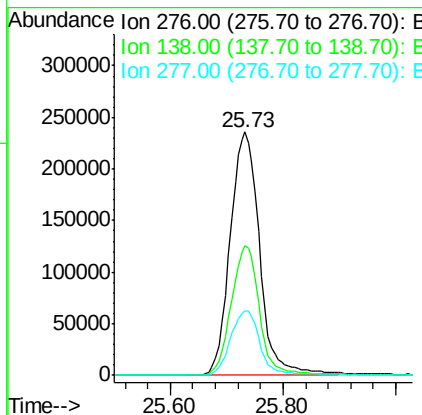
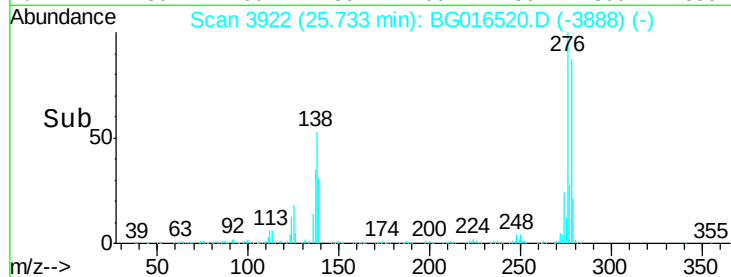
P5-27MSD



| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 856961 |       |       |
| 138     | 50.9  | 41.5   | 62.3  |       |
| 277     | 26.4  | 21.0   | 31.6  |       |

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#86

Perylene-d12

Concen: 20.00 ng

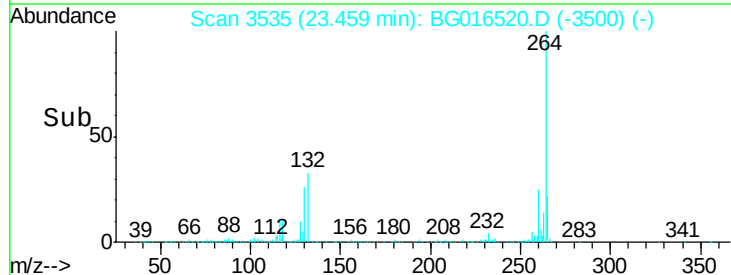
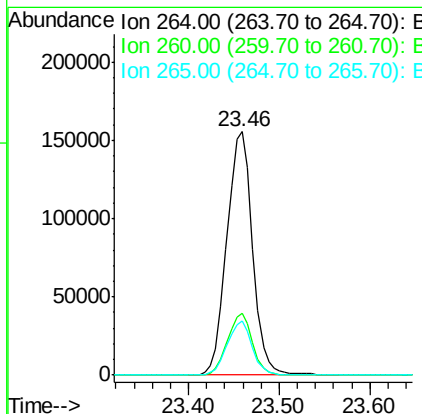
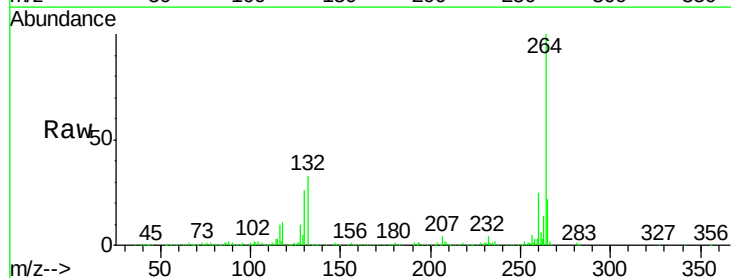
RT: 23.46 min Scan# 3535

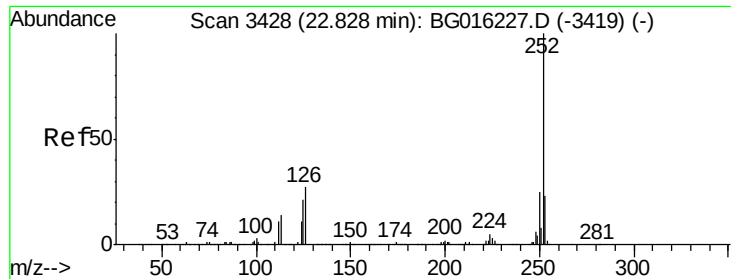
Delta R.T. 0.01 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 308052 |       |       |
| 260     | 25.4  | 20.4   | 30.6  |       |
| 265     | 22.1  | 17.2   | 25.8  |       |





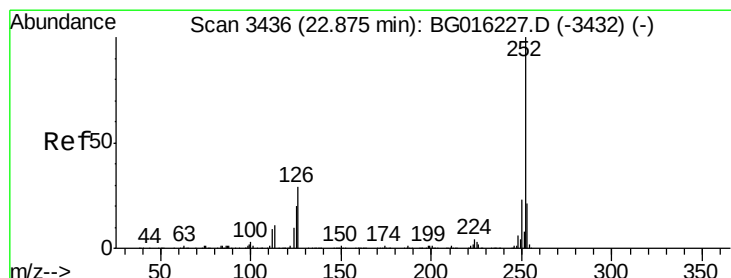
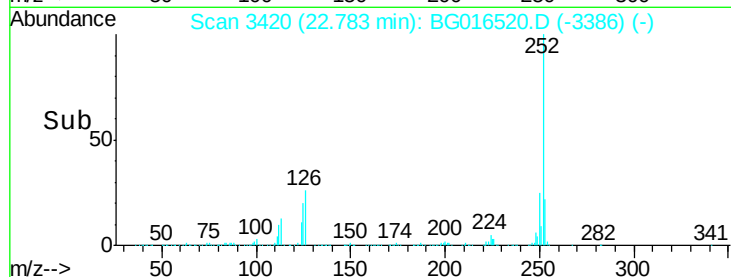
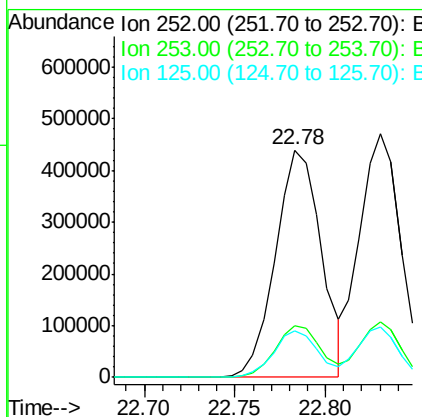
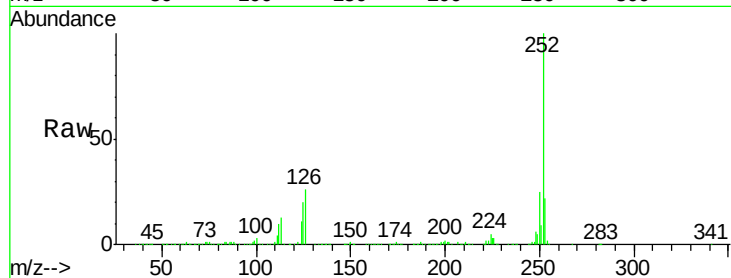
#87  
Benzo(b)fluoranthene  
Concen: 42.91 ng  
RT: 22.78 min Scan# 3420  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 18.5  | 27.7  |
| 125     | 20.3  | 17.0  | 25.6  |

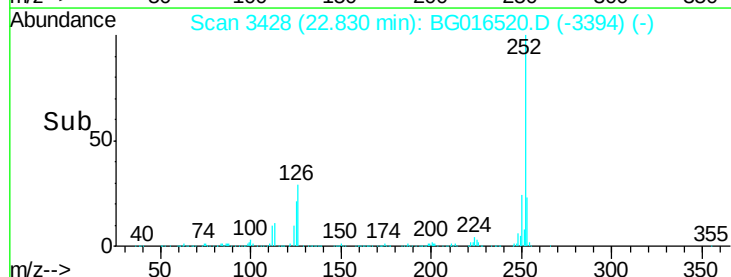
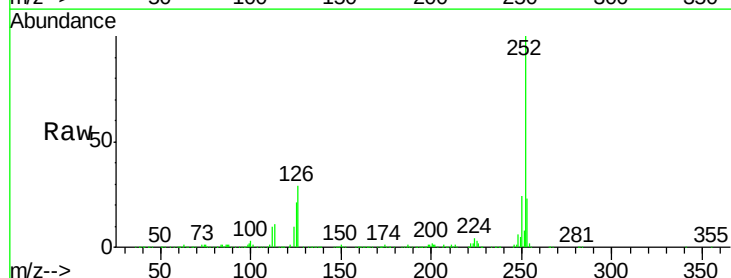
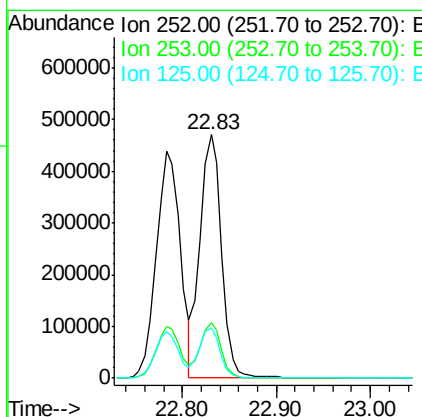
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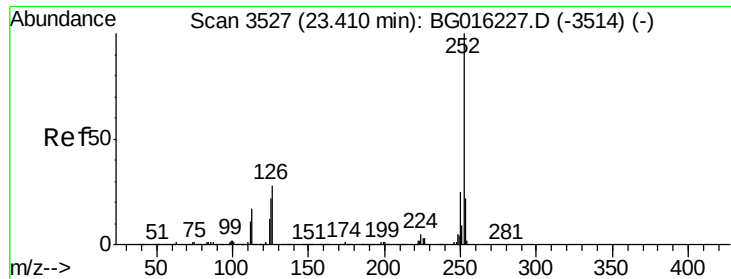


#88  
Benzo(k)fluoranthene  
Concen: 42.55 ng  
RT: 22.83 min Scan# 3428  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 17.5  | 26.3  |
| 125     | 20.7  | 16.3  | 24.5  |







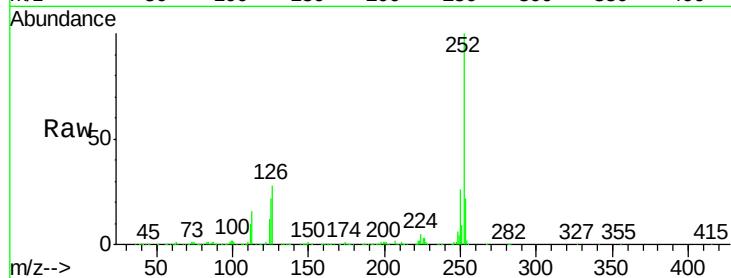
#89  
Benzo(a)pyrene  
Concen: 44.40 ng  
RT: 23.36 min Scan# 3518  
Delta R.T. 0.00 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

Instrument :  
BNA\_G  
ClientSampleId :  
P5-27MSD

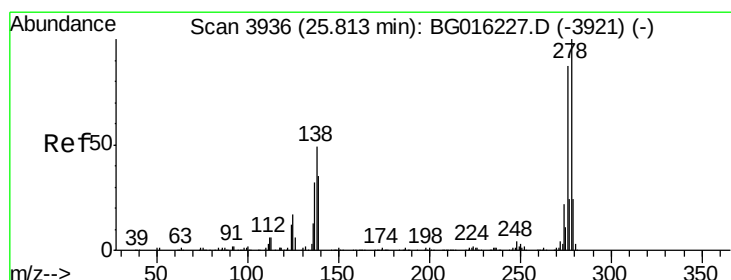
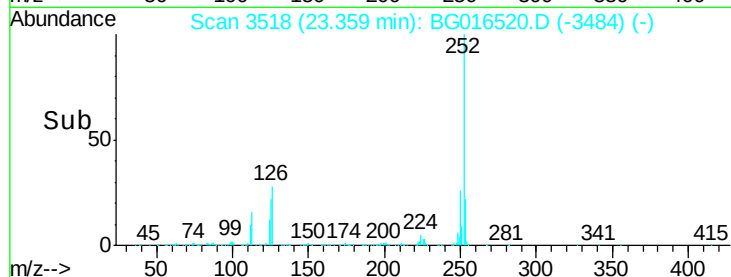
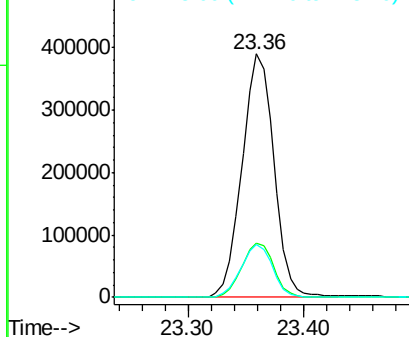
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 750737 |       |       |
| 253     | 22.2  | 17.6   | 26.4  |       |
| 125     | 21.8  | 17.6   | 26.4  |       |

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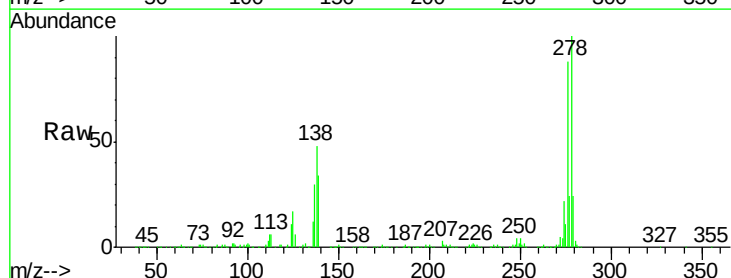


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

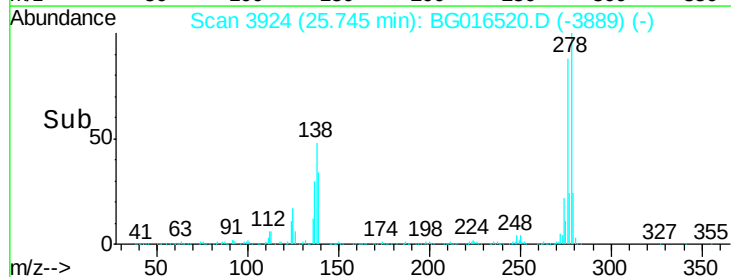
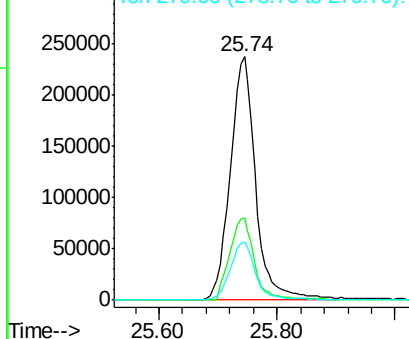


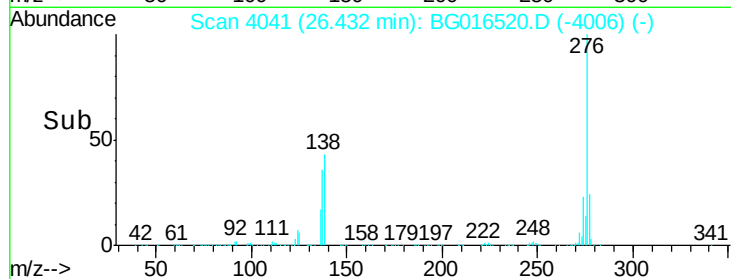
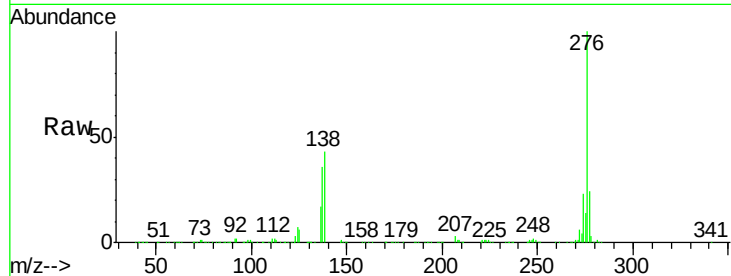
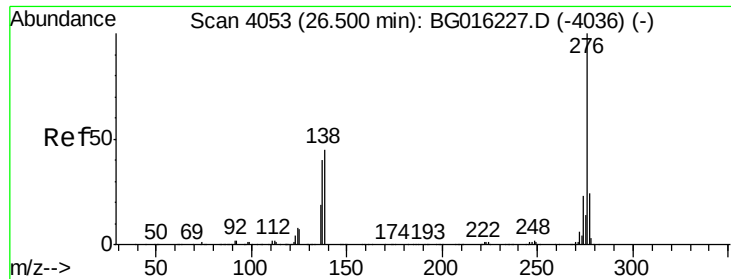
#90  
Dibenzo(a,h)anthracene  
Concen: 43.60 ng  
RT: 25.74 min Scan# 3924  
Delta R.T. 0.01 min  
Lab File: BG016520.D  
Acq: 18 Apr 2015 12:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 278     | 100   | 717450 |       |       |
| 139     | 33.6  | 27.9   | 41.9  |       |
| 279     | 23.6  | 19.5   | 29.3  |       |



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





#91

Benzo(g,h,i)perylene

Concen: 44.24 ng

RT: 26.43 min Scan# 4041

Delta R.T. 0.01 min

Lab File: BG016520.D

Acq: 18 Apr 2015 12:23

| Tgt | Ion  | Ratio | Lower | Upper |
|-----|------|-------|-------|-------|
| 276 | 100  |       |       |       |
| 277 | 24.1 | 19.5  | 29.3  |       |
| 138 | 43.1 | 35.7  | 53.5  |       |

Instrument :

BNA\_G

ClientSampleId :

P5-27MSD

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