

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021919\  
 Data File : BG039559.D  
 Acq On : 19 Feb 2019 17:44  
 Operator : JU/SJ  
 Sample : PB117212BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117212BS

Manual Integrations  
 APPROVED

Sohil  
 2/20/2019 4:18:38 PM

Quant Time: Feb 20 10:02:33 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.17  | 152  | 84948    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 10.99 | 136  | 379871   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 14.80 | 164  | 256286   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 17.54 | 188  | 588221   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 21.83 | 240  | 573054   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 25.20 | 264  | 552256   | 20.00 | ng    | -0.04    |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.71  | 112 | 675136  | 136.02 | ng | 0.00  |
| 7) Phenol-d6             | 7.32  | 99  | 1042331 | 142.67 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.35  | 82  | 515358  | 84.75  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.28 | 330 | 435222  | 157.70 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 13.41 | 172 | 1196631 | 66.98  | ng | -0.02 |
| 79) Terphenyl-d14        | 20.13 | 244 | 1848225 | 68.27  | ng | -0.02 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.60  | 88  | 86148  | 39.680 | ng | 91     |
| 3) Pyridine                    | 4.00  | 79  | 253104 | 44.032 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.93  | 42  | 129418 | 45.019 | ng | 91     |
| 6) Aniline                     | 7.50  | 93  | 400221 | 43.734 | ng | 99     |
| 8) 2-Chlorophenol              | 7.73  | 128 | 239197 | 44.088 | ng | 96     |
| 9) Benzaldehyde                | 7.31  | 77  | 141867 | 38.455 | ng | 97     |
| 10) Phenol                     | 7.35  | 94  | 331304 | 43.502 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.59  | 93  | 251729 | 41.830 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 8.06  | 146 | 267566 | 40.710 | ng | 95     |
| 13) 1,4-Dichlorobenzene        | 8.20  | 146 | 270361 | 41.271 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.53  | 146 | 269762 | 42.538 | ng | 96     |
| 15) Benzyl Alcohol             | 8.41  | 79  | 252590 | 44.038 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69  | 45  | 489571 | 36.025 | ng | 99     |
| 17) 2-Methylphenol             | 8.60  | 107 | 223272 | 45.303 | ng | 97     |
| 18) Hexachloroethane           | 9.26  | 117 | 96028  | 42.608 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.97  | 70  | 211749 | 40.835 | ng | 94     |
| 20) 3+4-Methylphenols          | 8.93  | 107 | 312107 | 45.988 | ng | 97     |
| 22) Acetophenone               | 9.00  | 105 | 406577 | 39.845 | ng | 95     |
| 24) Nitrobenzene               | 9.39  | 77  | 314519 | 47.878 | ng | 96     |
| 25) Isophorone                 | 9.91  | 82  | 613104 | 45.500 | ng | 99     |
| 26) 2-Nitrophenol              | 10.10 | 139 | 153046 | 56.297 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 10.14 | 122 | 252144 | 46.257 | ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93  | 358609 | 43.207 | ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.63 | 162 | 281198 | 47.201 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 10.85 | 180 | 286605 | 42.851 | ng | 98     |
| 31) Naphthalene                | 11.04 | 128 | 816411 | 43.322 | ng | 98     |
| 32) Benzoic acid               | 10.30 | 122 | 186520 | 51.456 | ng | 93     |
| 33) 4-Chloroaniline            | 11.15 | 127 | 376670 | 43.108 | ng | 99     |
| 34) Hexachlorobutadiene        | 11.30 | 225 | 181479 | 40.800 | ng | 94     |
| 35) Caprolactam                | 11.95 | 113 | 99101m | 40.199 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.25 | 107 | 305971 | 44.409 | ng | 94     |
| 37) 2-Methylnaphthalene        | 12.63 | 142 | 629586 | 45.106 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.85 | 142 | 594837 | 44.211 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 342403 | 41.991 | ng | 99     |

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Manual Integrations  
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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.96 | 237  | 406123   | 91.399  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 13.23 | 196  | 235818   | 47.035  | nq    | 97       |
| 44) 2,4,5-Trichlorophenol      | 13.30 | 196  | 255672   | 48.655  | nq    | 99       |
| 46) 1,1'-Biphenyl              | 13.63 | 154  | 823482   | 38.618  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.68 | 162  | 646031   | 40.273  | nq    | 98       |
| 48) 2-Nitroaniline             | 13.88 | 65   | 229432   | 49.480  | nq    | 95       |
| 49) Acenaphthylene             | 14.52 | 152  | 1008562  | 41.667  | nq    | 99       |
| 50) Dimethylphthalate          | 14.24 | 163  | 842255   | 40.691  | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.37 | 165  | 192883   | 49.606  | nq    | 97       |
| 52) Acenaphthene               | 14.86 | 154  | 627425   | 39.933  | nq    | 99       |
| 53) 3-Nitroaniline             | 14.71 | 138  | 195649   | 47.008  | nq    | # 93     |
| 54) 2,4-Dinitrophenol          | 14.91 | 184  | 193814   | 100.595 | nq    | 98       |
| 55) Dibenzofuran               | 15.19 | 168  | 1007490  | 39.993  | nq    | 97       |
| 56) 4-Nitrophenol              | 15.01 | 139  | 307156   | 81.922  | nq    | 88       |
| 57) 2,4-Dinitrotoluene         | 15.15 | 165  | 271873   | 53.746  | nq    | 90       |
| 58) Fluorene                   | 15.83 | 166  | 784905   | 41.796  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.41 | 232  | 246153   | 50.030  | nq    | 98       |
| 60) Diethylphthalate           | 15.59 | 149  | 843242   | 39.402  | nq    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204  | 420528   | 39.548  | nq    | 98       |
| 62) 4-Nitroaniline             | 15.88 | 138  | 200694   | 46.392  | nq    | 96       |
| 63) Azobenzene                 | 16.12 | 77   | 765962   | 36.619  | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198  | 151159   | 59.544  | nq    | 97       |
| 66) n-Nitrosodiphenylamine     | 16.04 | 169  | 730696   | 40.853  | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.72 | 248  | 279330   | 42.805  | nq    | 96       |
| 68) Hexachlorobenzene          | 16.83 | 284  | 285768   | 43.647  | nq    | 97       |
| 69) Atrazine                   | 16.98 | 200  | 201782   | 30.871  | nq    | 98       |
| 70) Pentachlorophenol          | 17.17 | 266  | 358955   | 78.884  | nq    | 99       |
| 71) Phenanthrene               | 17.58 | 178  | 1250804  | 41.085  | nq    | 96       |
| 72) Anthracene                 | 17.67 | 178  | 1272168  | 42.423  | nq    | 96       |
| 73) Carbazole                  | 17.94 | 167  | 1111859  | 37.152  | nq    | 98       |
| 74) Di-n-butylphthalate        | 18.47 | 149  | 1339574  | 38.367  | nq    | 98       |
| 75) Fluoranthene               | 19.58 | 202  | 1462057  | 41.375  | nq    | 98       |
| 77) Benzidine                  | 19.76 | 184  | 1086143  | 57.811  | nq    | 98       |
| 78) Pyrene                     | 19.94 | 202  | 1455668  | 40.805  | nq    | 96       |
| 80) Butylbenzylphthalate       | 20.80 | 149  | 644474   | 42.826  | nq    | 96       |
| 81) Benzo(a)anthracene         | 21.81 | 228  | 1436981  | 42.437  | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.72 | 252  | 530883   | 42.283  | nq    | 99       |
| 83) Chrysene                   | 21.87 | 228  | 1365728  | 42.369  | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 888119   | 41.367  | nq    | # 97     |
| 85) Di-n-octyl phthalate       | 22.94 | 149  | 1520508  | 42.869  | nq    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 29.09 | 276  | 1518558  | 43.909  | nq    | 97       |
| 88) Benzo(b)fluoranthene       | 24.12 | 252  | 1445883  | 48.008  | nq    | 97       |
| 89) Benzo(k)fluoranthene       | 24.19 | 252  | 1354565  | 44.798  | nq    | 99       |
| 90) Benzo(a)pyrene             | 25.05 | 252  | 1401841  | 48.330  | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 29.16 | 278  | 1221800  | 44.979  | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.32 | 276  | 1223340  | 45.184  | nq    | 98       |

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





#1

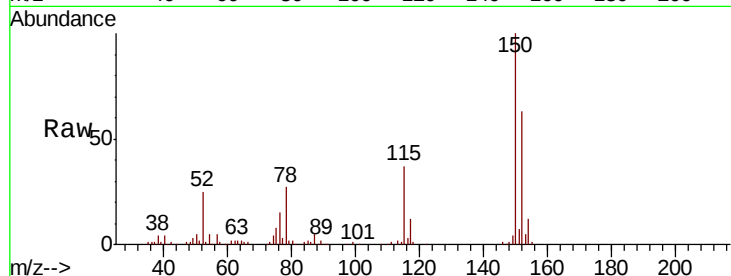
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 865  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampled :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.8 | 123.7 | 185.5 |
| 115     | 58.6  | 45.9  | 68.9  |

Manual Integrations  
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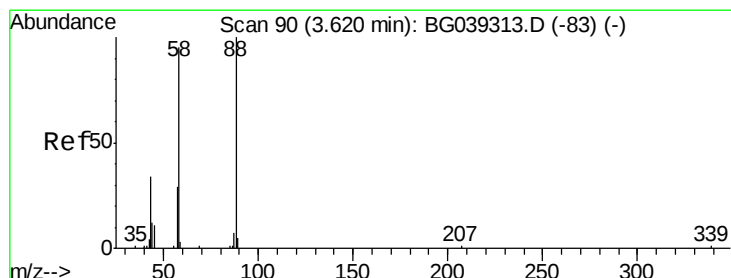
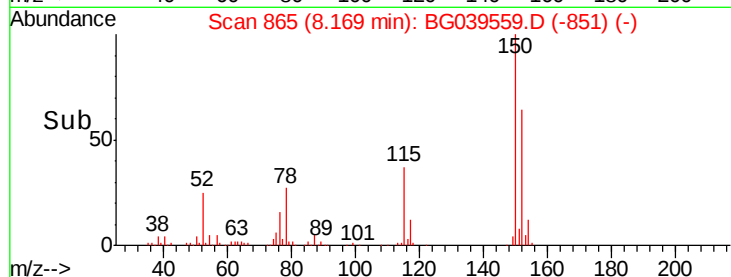
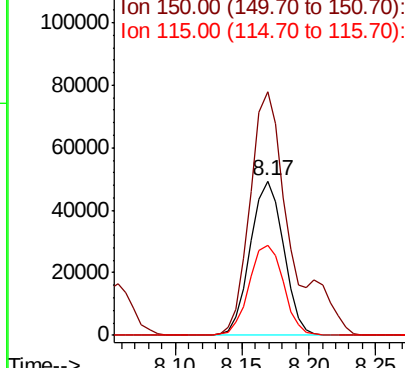


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

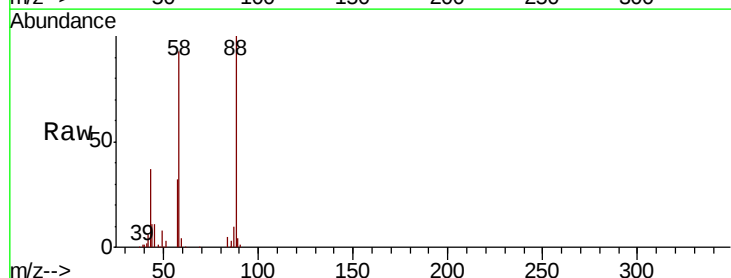
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 39.680 ng  
RT: 3.60 min Scan# 88  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 91.8  | 81.1  | 121.7 |
| 43      | 35.5  | 31.4  | 47.0  |

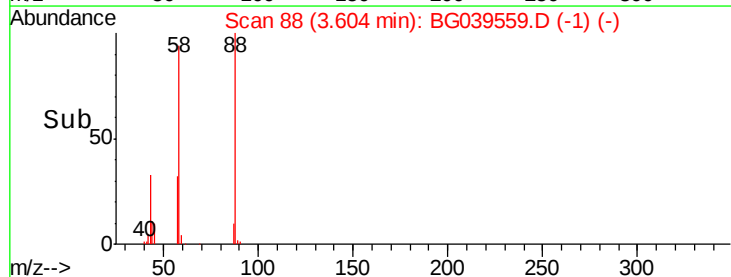
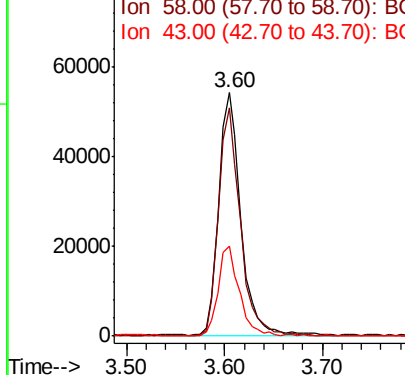


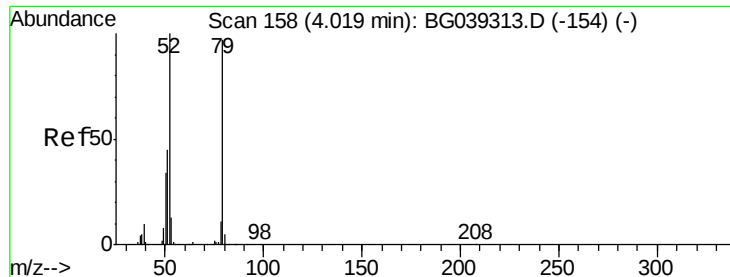
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 44.032 ng

RT: 4.00 min Scan# 156

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

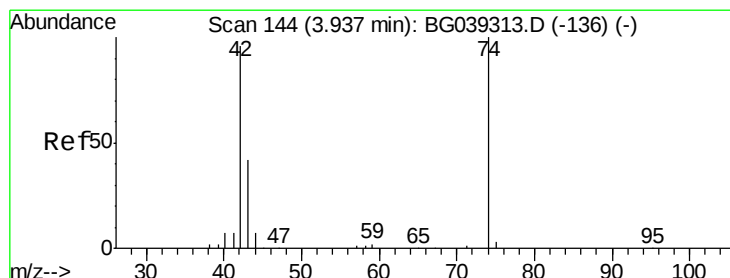
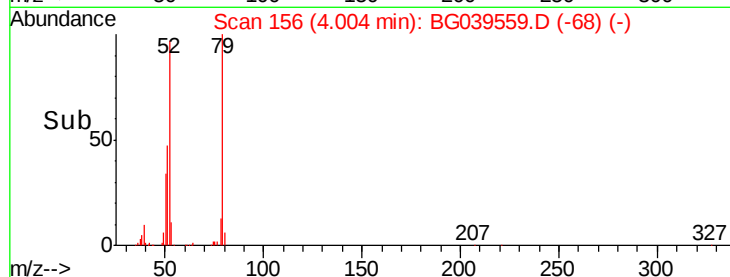
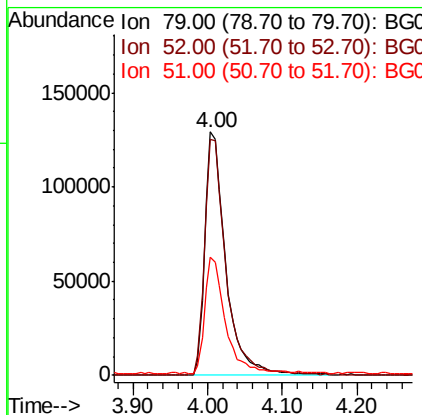
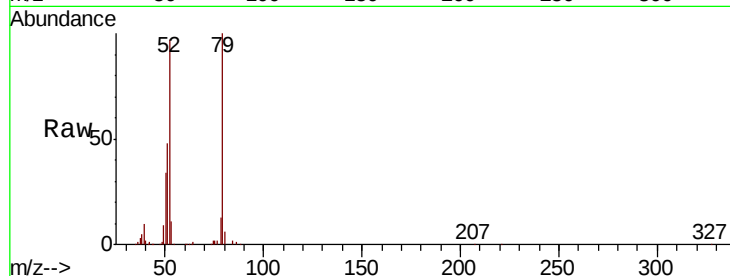
ClientSampleId :

PB117212BS

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 79      | 79  | 100   |       |       |
| 52      | 52  | 97.0  | 82.6  | 124.0 |
| 51      | 51  | 48.4  | 37.5  | 56.3  |

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#4

n-Nitrosodimethylamine

Concen: 45.019 ng

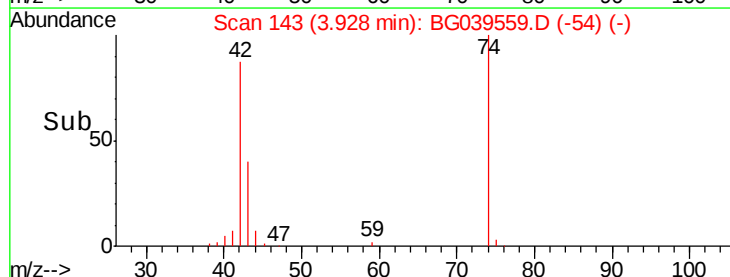
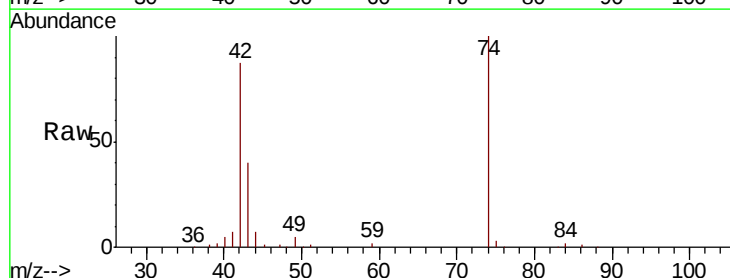
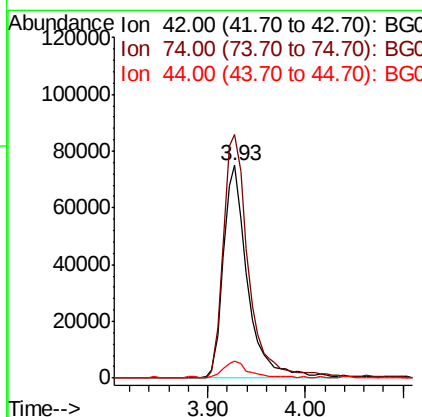
RT: 3.93 min Scan# 143

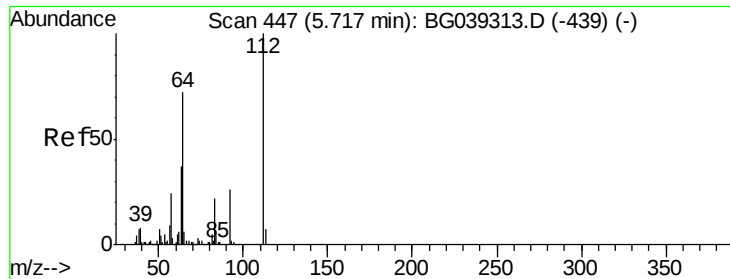
Delta R.T. -0.01 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 42      | 42  | 100   |       |       |
| 74      | 74  | 114.5 | 83.6  | 125.4 |
| 44      | 44  | 8.1   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 136.025 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

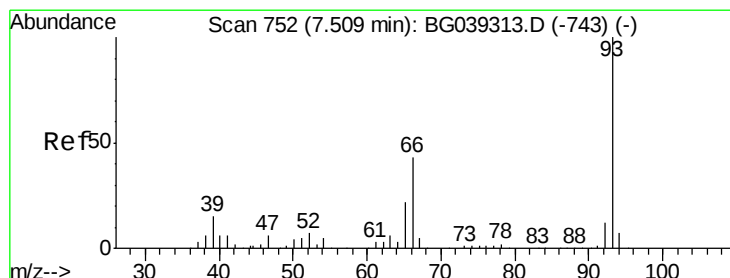
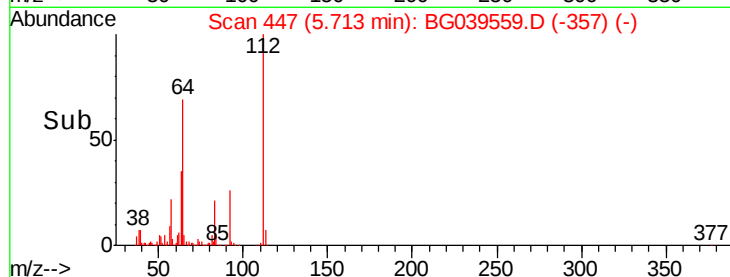
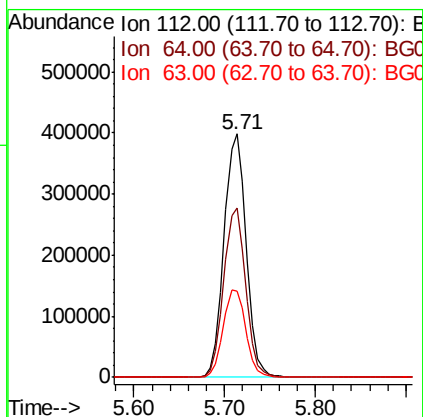
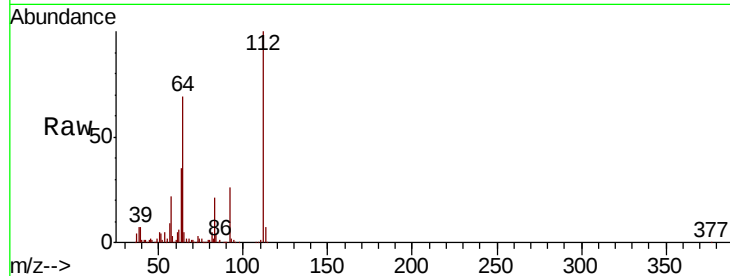
ClientSampleId :

PB117212BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 675136 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 69.3  | 57.8  | 86.8   |
| 63        | 35.2  | 29.8  | 44.6   |

Manual Integrations  
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#6

Aniline

Concen: 43.734 ng

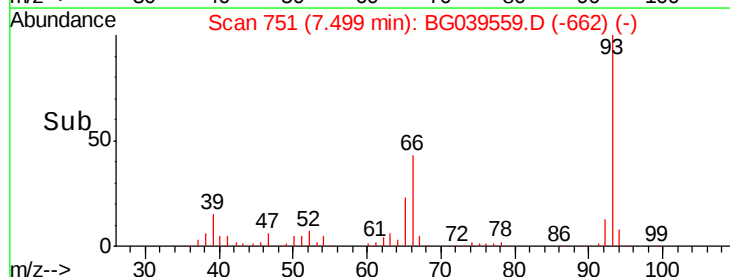
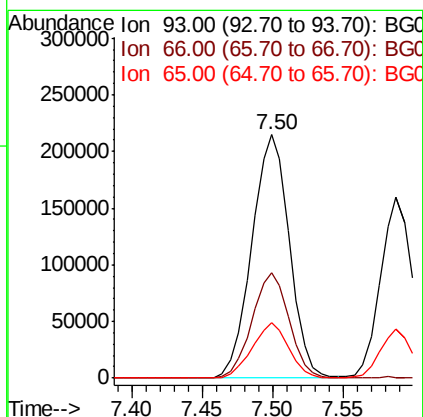
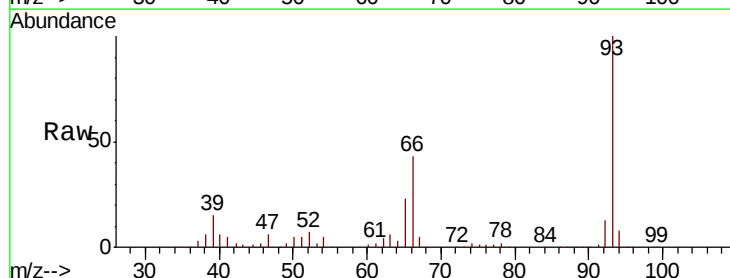
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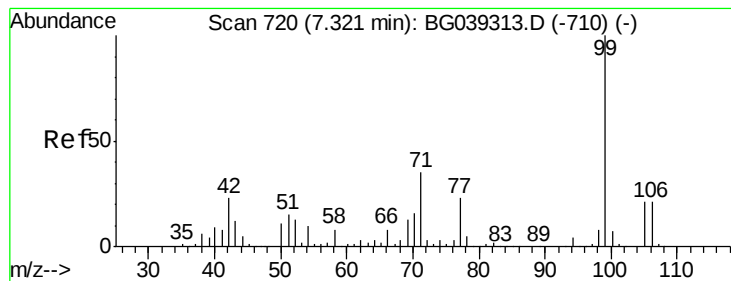
Delta R.T. -0.01 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 400221 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 43.3  | 34.2  | 51.4   |
| 65        | 22.7  | 17.7  | 26.5   |





#7

Phenol-d6

Concen: 142.670 ng

RT: 7.32 min Scan# 721

Delta R.T. 0.00 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

ClientSampleId :

PB117212BS

Tot Ion: 99 Resp: 1042331

Ion Ratio Lower Upper

99 100

42 20.5 18.2 27.2

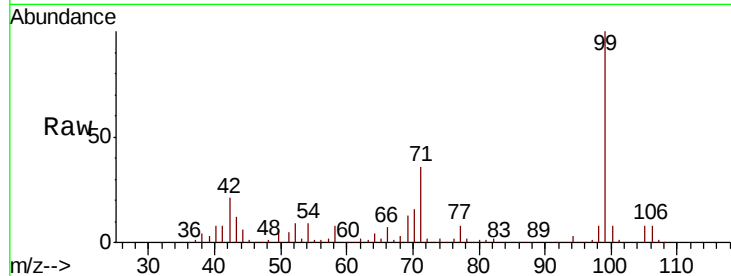
71 35.9 28.0 42.0

Manual Integrations

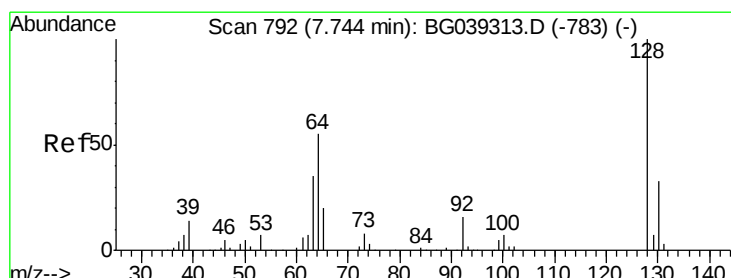
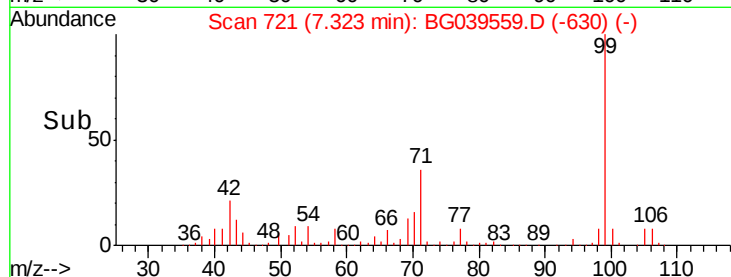
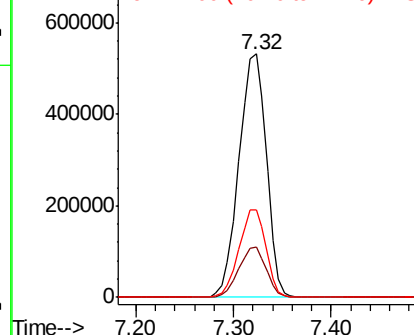
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Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 44.088 ng

RT: 7.73 min Scan# 791

Delta R.T. -0.01 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

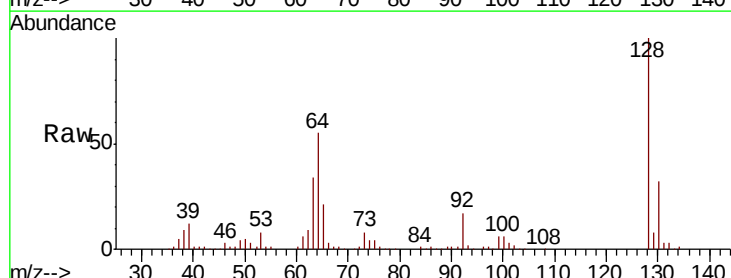
Tgt Ion: 128 Resp: 239197

Ion Ratio Lower Upper

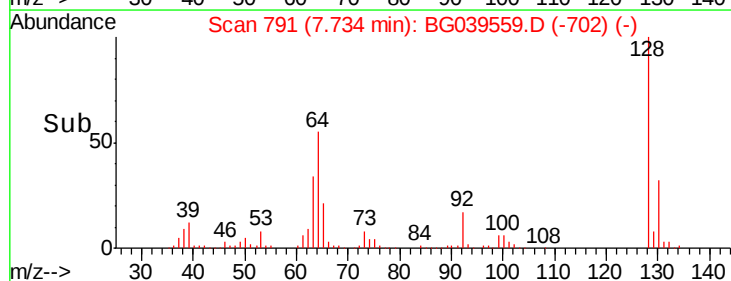
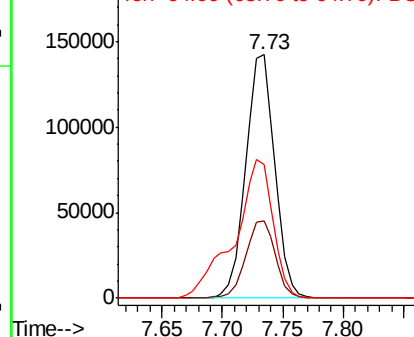
128 100

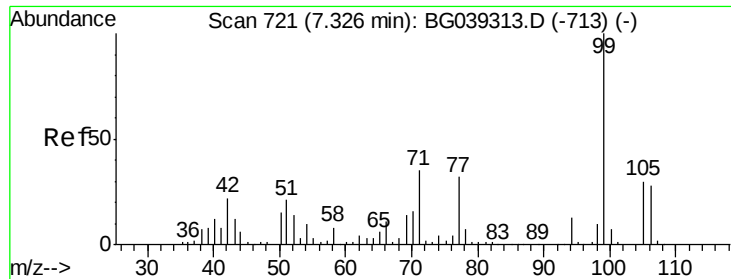
130 31.8 12.9 52.9

64 55.0 38.7 78.7



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





#9

Benzaldehyde

Concen: 38.455 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

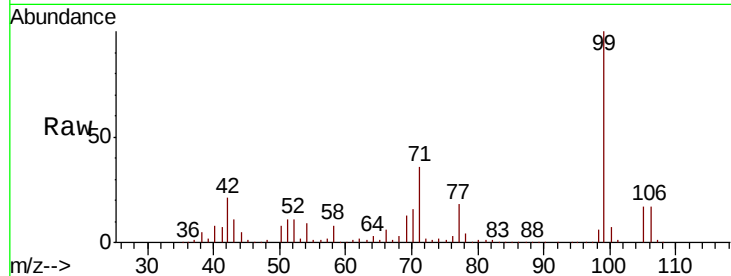
ClientSampleID :

PB117212BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 141867 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 95.7  | 74.5  | 114.5  |
| 106       | 93.1  | 68.0  | 108.0  |

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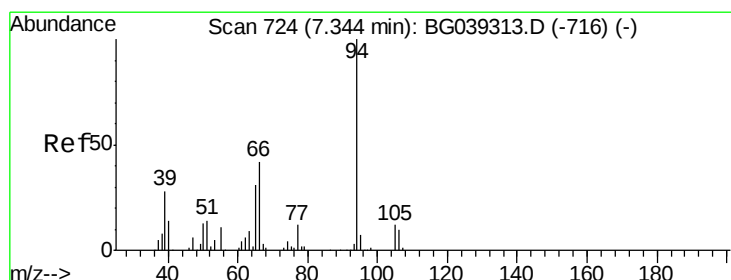
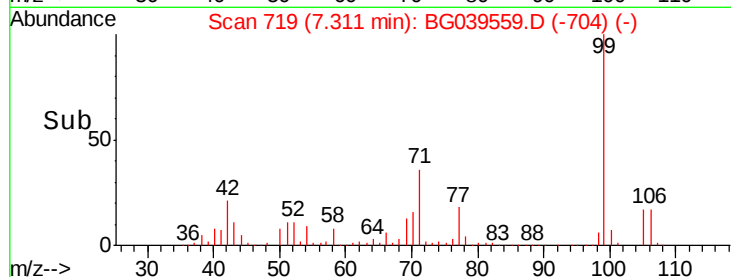
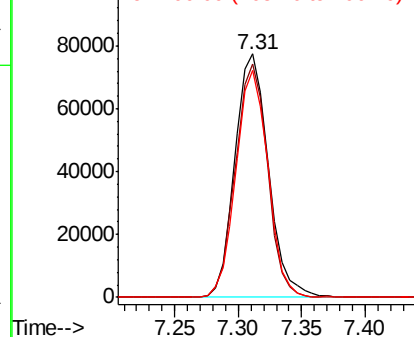


Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 43.502 ng

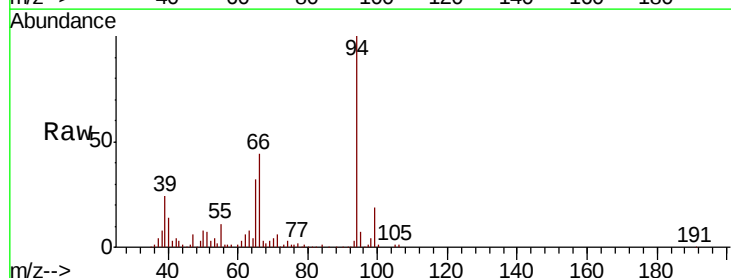
RT: 7.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 331304 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 32.2  | 11.7  | 51.7   |
| 66        | 43.5  | 23.7  | 63.7   |

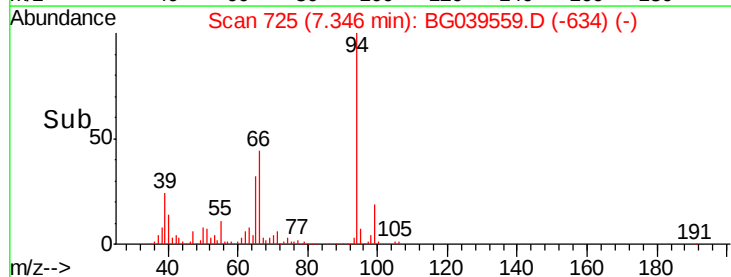
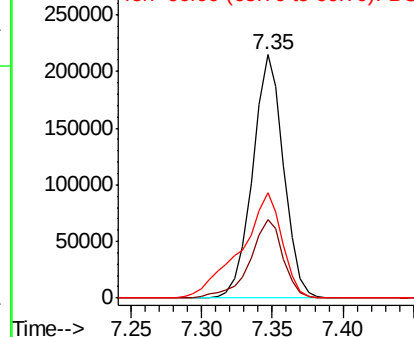


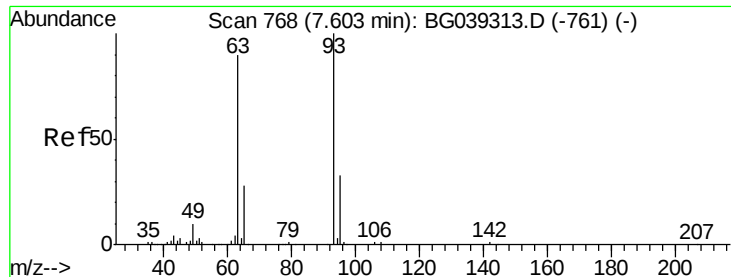
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#11

bis(2-Chloroethyl)ether

Concen: 41.830 ng

RT: 7.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

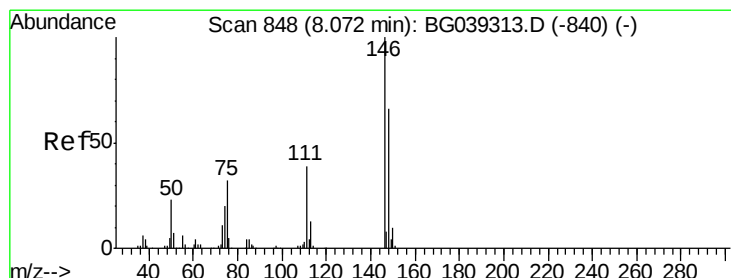
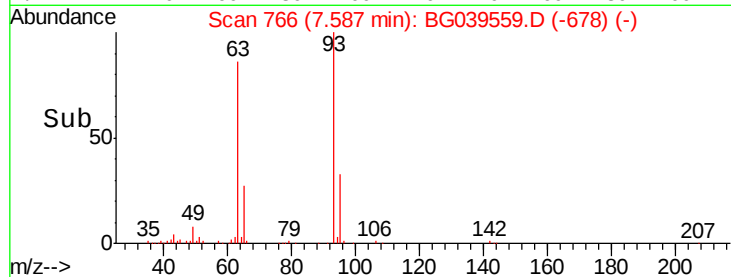
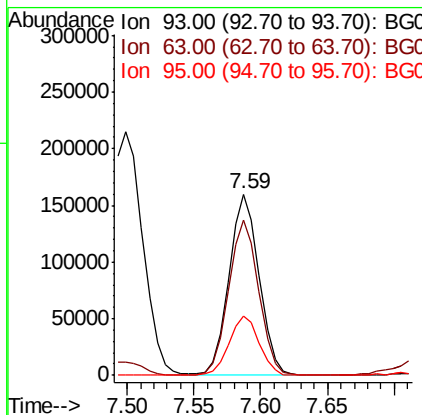
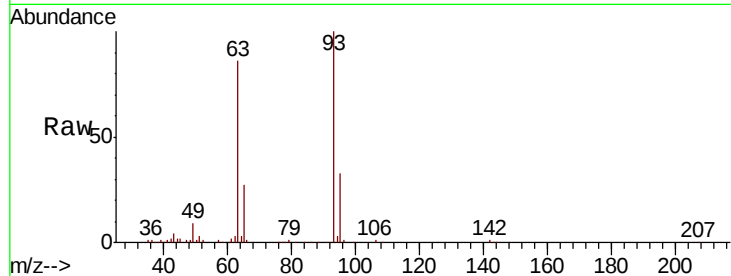
ClientSampleId :

PB117212BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 251729 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 85.9  | 69.5  | 109.5  |
| 95       | 32.6  | 12.7  | 52.7   |

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#12

1,3-Dichlorobenzene

Concen: 40.710 ng

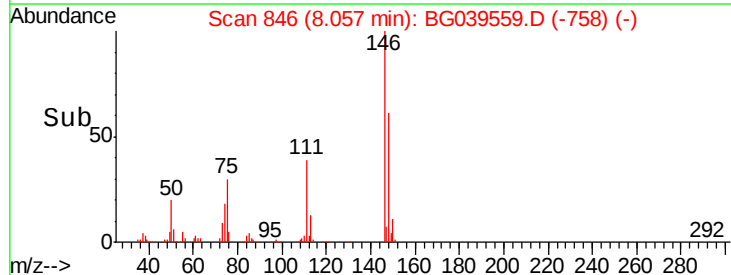
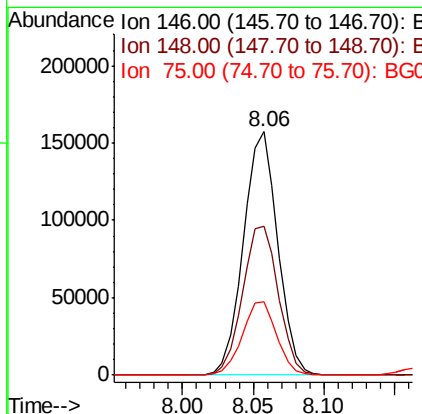
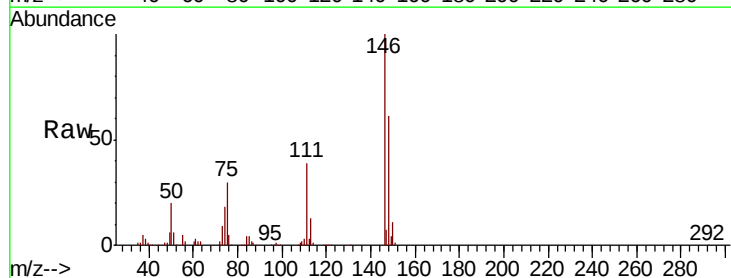
RT: 8.06 min Scan# 846

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 267566 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 61.1  | 52.6  | 79.0   |
| 75       | 30.3  | 25.8  | 38.6   |





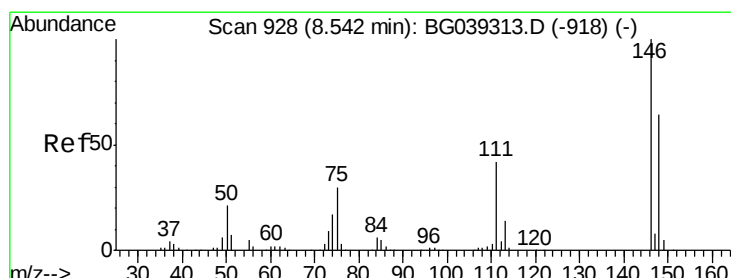
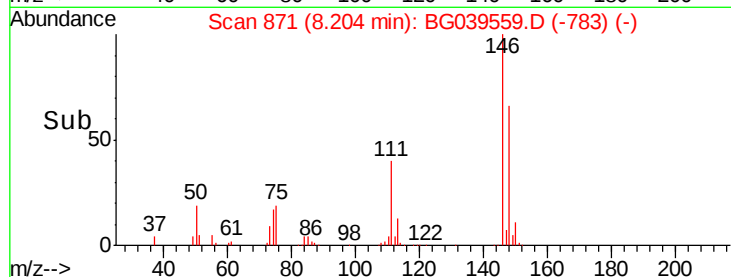
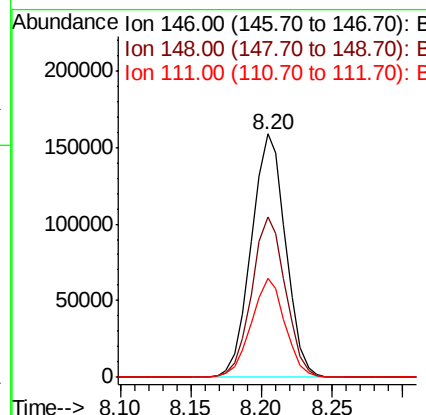
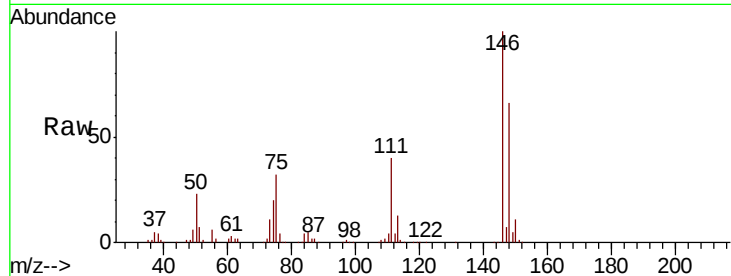
#13  
 1,4-Dichlorobenzene  
 Concen: 41.271 ng  
 RT: 8.20 min Scan# 871  
 Delta R.T. -0.02 min  
 Lab File: BG039559.D  
 Acq: 19 Feb 2019 17:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.1  | 51.1  | 76.7  |
| 111     | 40.4  | 32.6  | 48.8  |

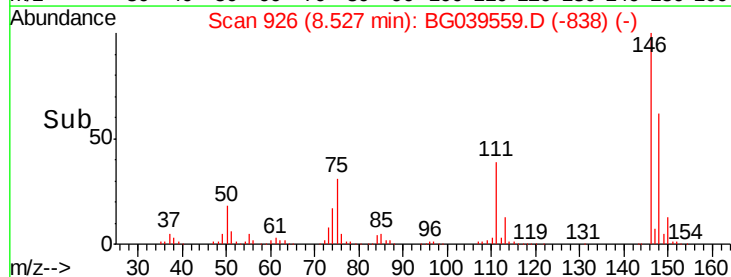
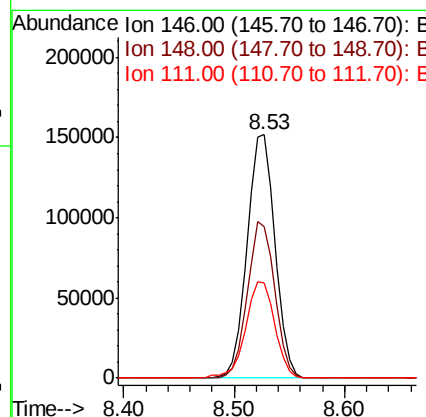
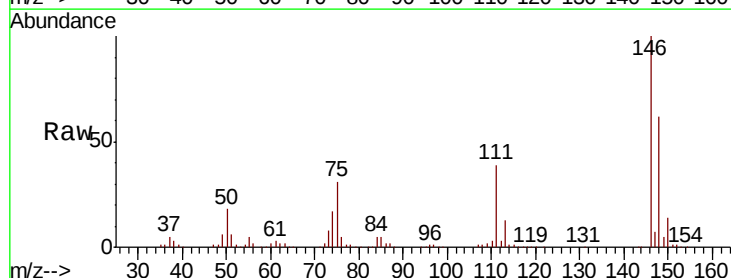
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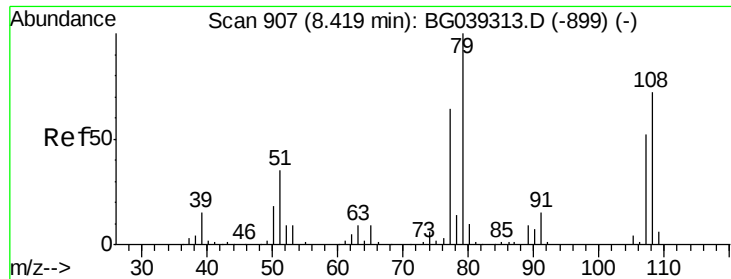
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#14  
 1,2-Dichlorobenzene  
 Concen: 42.538 ng  
 RT: 8.53 min Scan# 926  
 Delta R.T. -0.02 min  
 Lab File: BG039559.D  
 Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.0  | 51.5  | 77.3  |
| 111     | 39.0  | 33.8  | 50.6  |





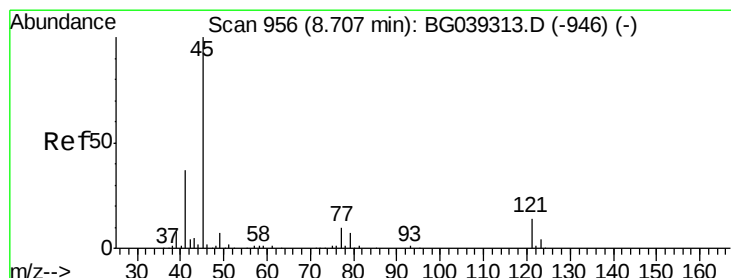
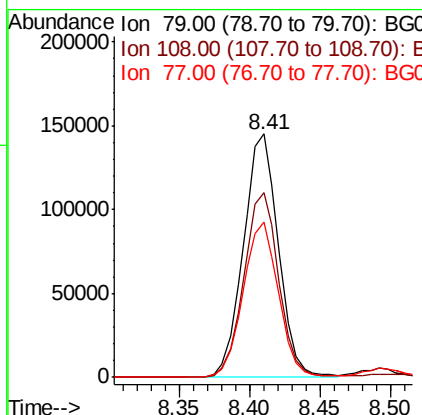
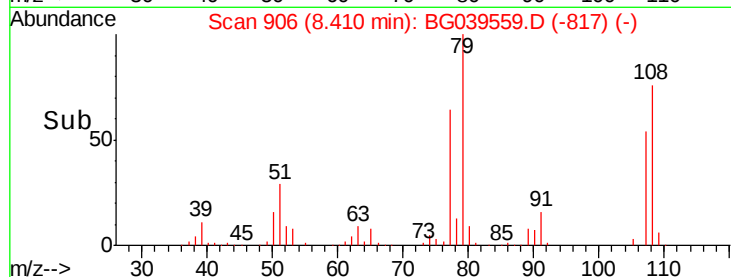
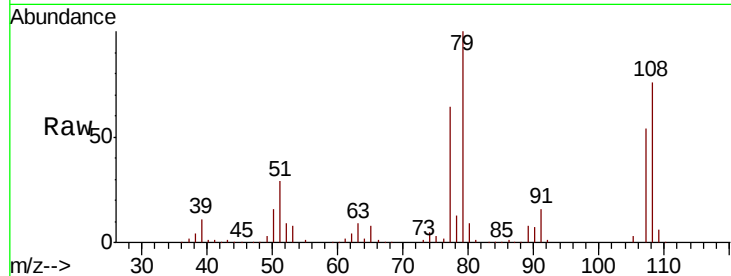
#15  
Benzyl Alcohol  
Concen: 44.038 ng  
RT: 8.41 min Scan# 906  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 79      | 100   | 252590 |       |       |
| 108     | 76.1  | 57.8   | 86.6  |       |
| 77      | 64.0  | 51.1   | 76.7  |       |

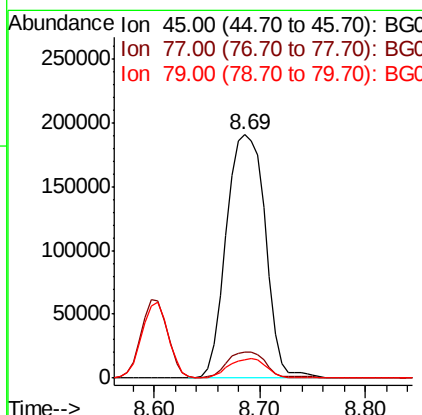
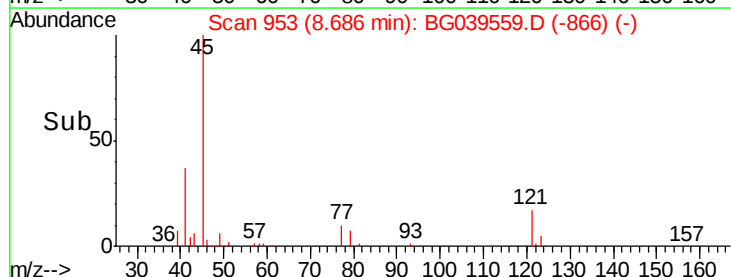
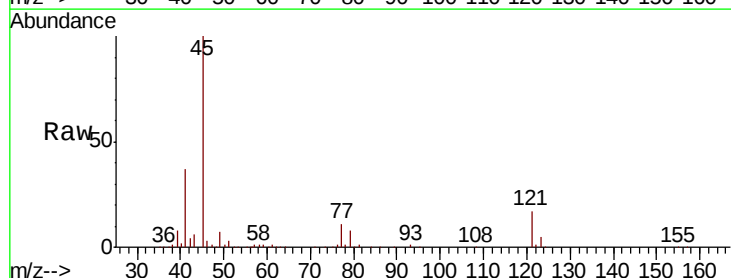
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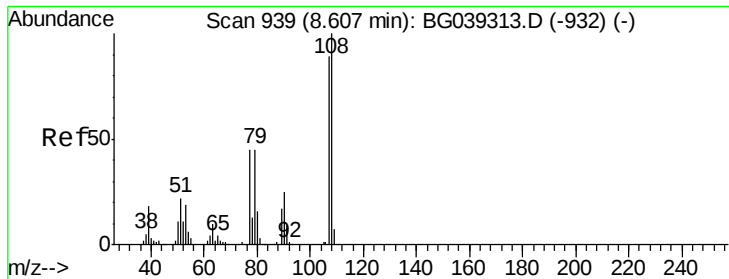
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.025 ng  
RT: 8.69 min Scan# 953  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 45      | 100   | 489571 |       |       |
| 77      | 10.7  | 0.0    | 30.0  |       |
| 79      | 7.8   | 0.0    | 27.5  |       |





#17

2-Methylphenol

Concen: 45.303 ng

RT: 8.60 min Scan# 939

Delta R.T. -0.00 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

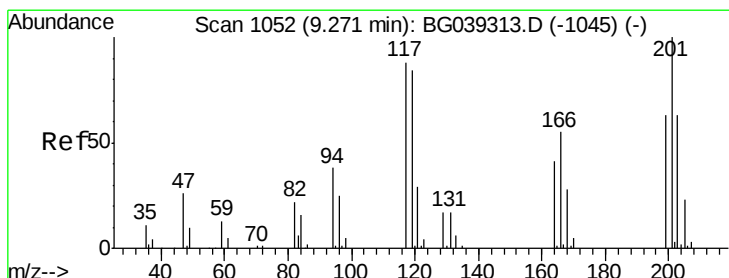
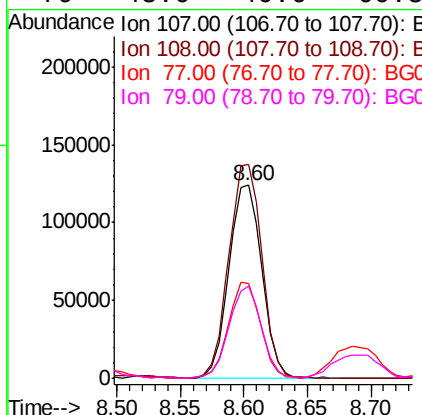
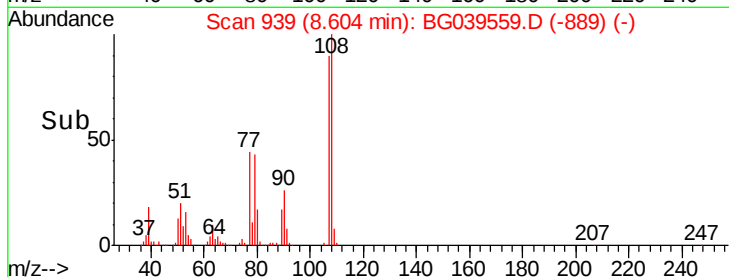
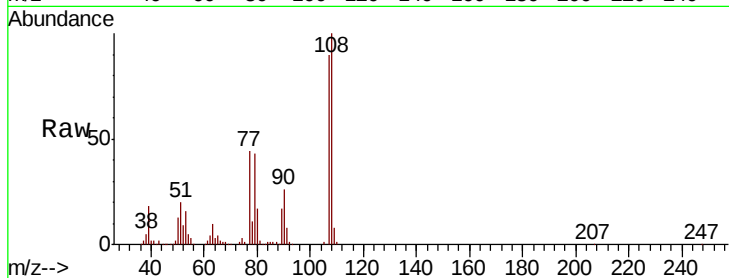
ClientSampleId :

PB117212BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 110.8 | 90.8 | 136.2 |       |
| 77      | 48.8  | 40.7 | 61.1  |       |
| 79      | 48.0  | 40.6 | 60.8  |       |

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#18

Hexachloroethane

Concen: 42.608 ng

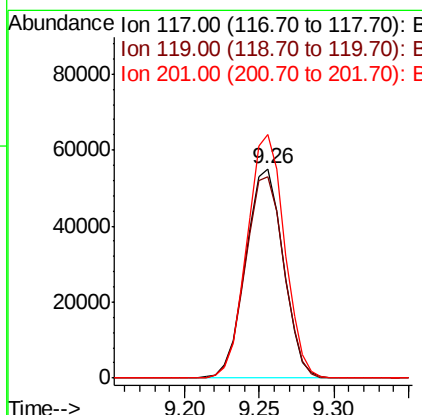
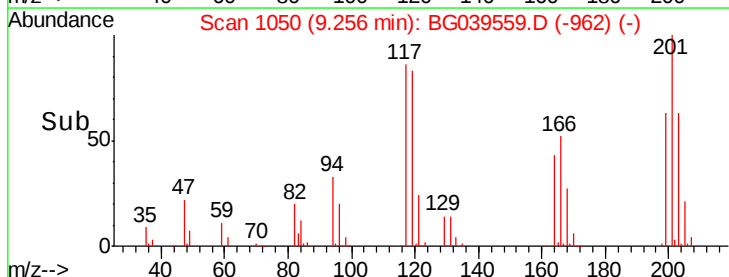
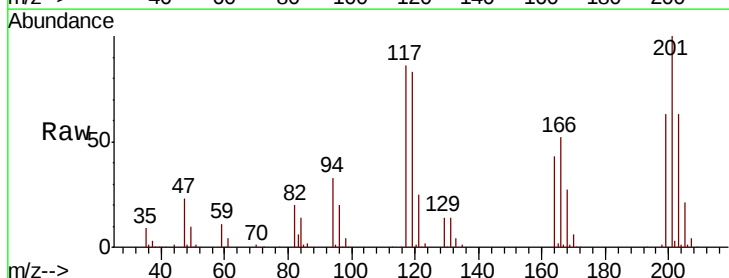
RT: 9.26 min Scan# 1050

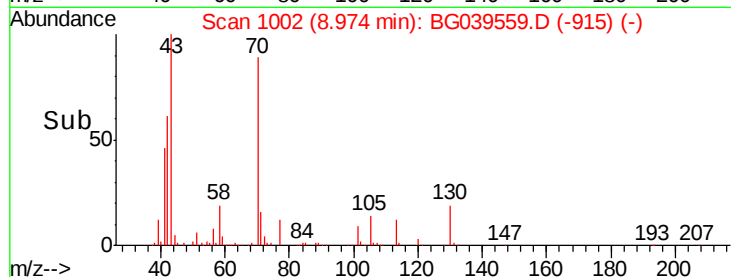
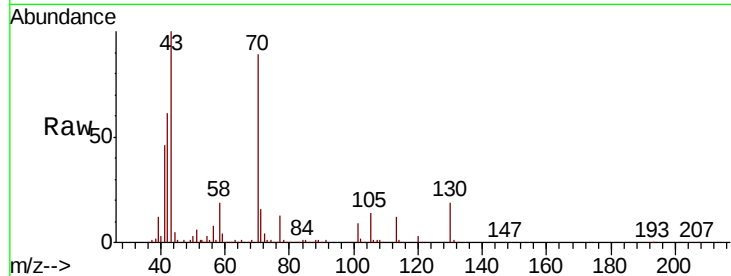
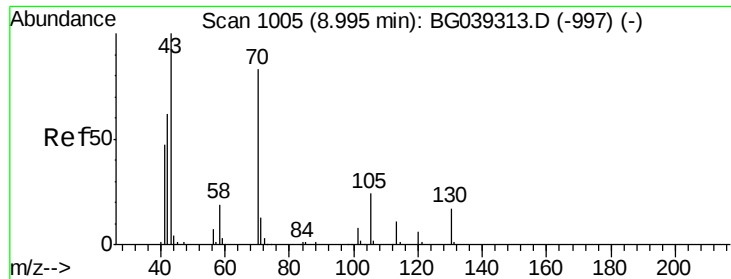
Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.4  | 76.3 | 114.5 |       |
| 201     | 116.1 | 91.1 | 136.7 |       |





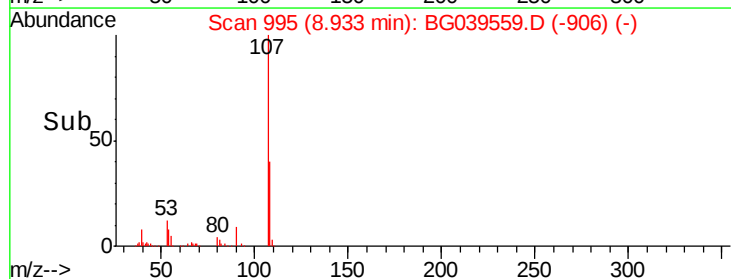
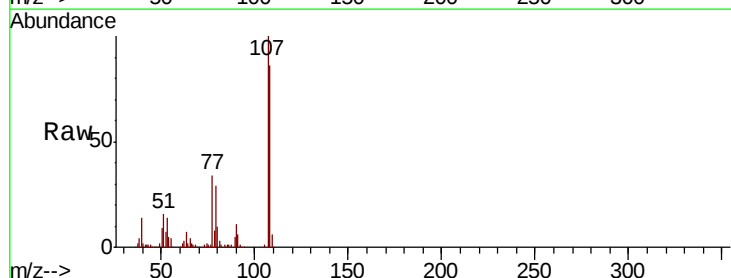
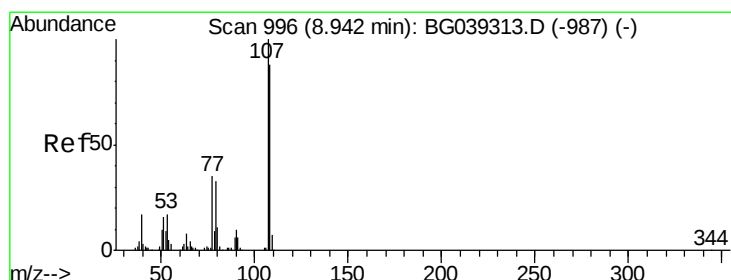
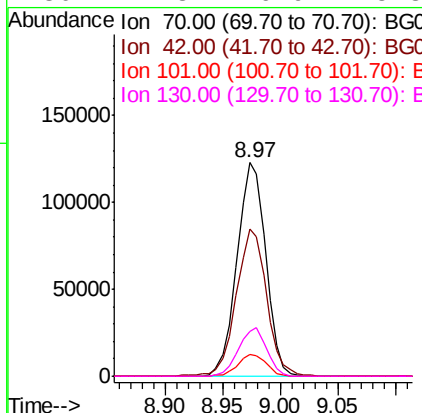
#19  
n-Nitroso-di-n-propylamine  
Concen: 40.835 ng  
RT: 8.97 min Scan# 1002  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 211749 |       |       |
| 42      | 68.7 | 60.4  | 90.6   |       |       |
| 101     | 10.3 | 7.5   | 11.3   |       |       |
| 130     | 21.3 | 16.9  | 25.3   |       |       |

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

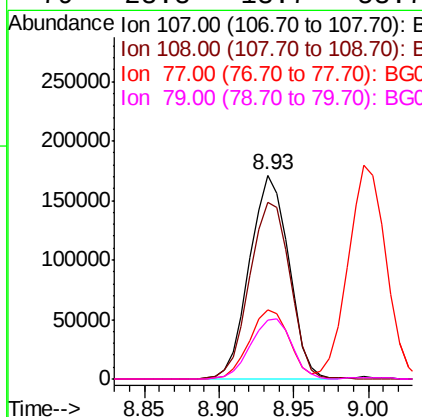
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#20  
3+4-Methylphenols  
Concen: 45.988 ng  
RT: 8.93 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 312107 |       |       |
| 108     | 86.4 | 67.9  | 107.9  |       |       |
| 77      | 34.1 | 15.4  | 55.4   |       |       |
| 79      | 28.8 | 13.7  | 53.7   |       |       |





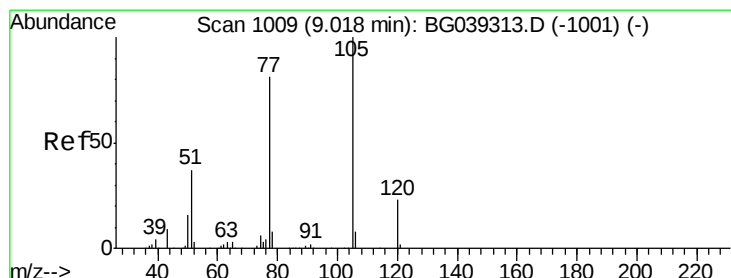
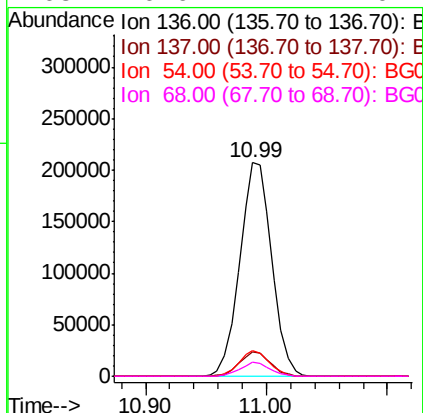
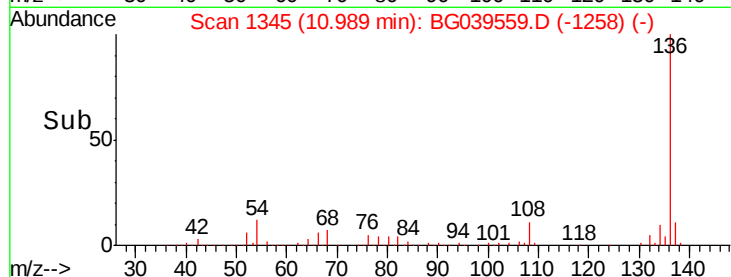
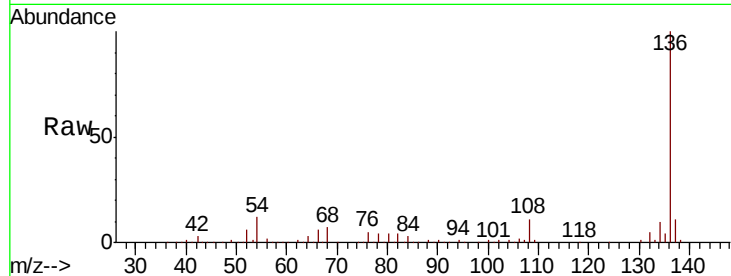
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.99 min Scan# 1345  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.4  | 9.1  | 13.7  |       |
| 54      | 11.8  | 9.4  | 14.2  |       |
| 68      | 6.6   | 4.2  | 6.4   |       |

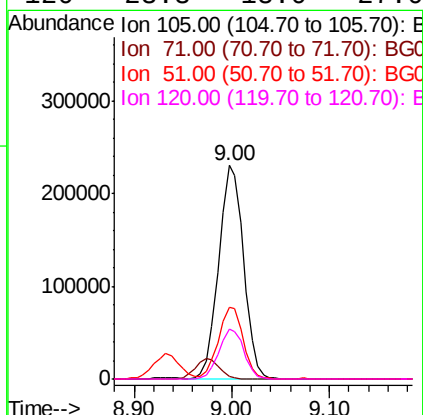
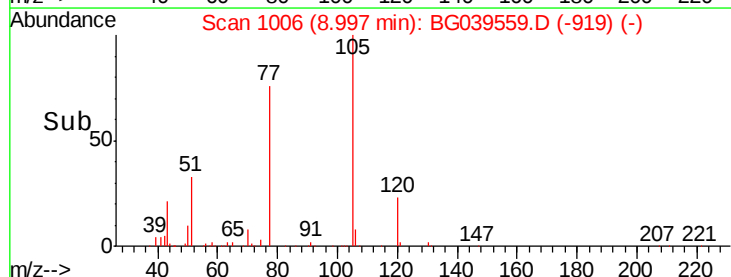
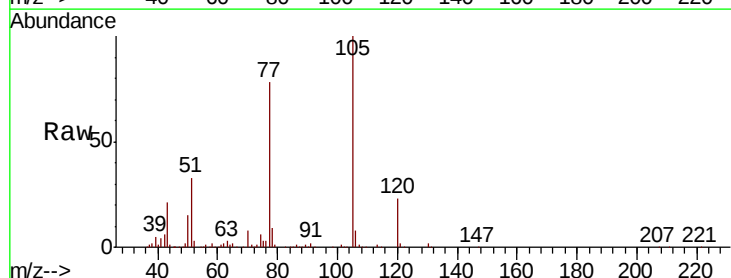
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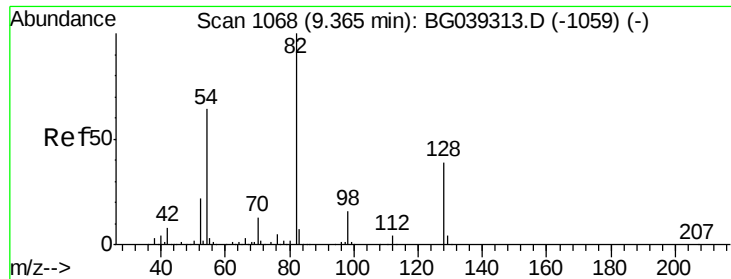
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2/20/2019 4:18:38 PM



#22  
Acetophenone  
Concen: 39.845 ng  
RT: 9.00 min Scan# 1006  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 1.2   | 0.8  | 1.2   |       |
| 51      | 33.5  | 30.2 | 45.2  |       |
| 120     | 23.3  | 18.0 | 27.0  |       |





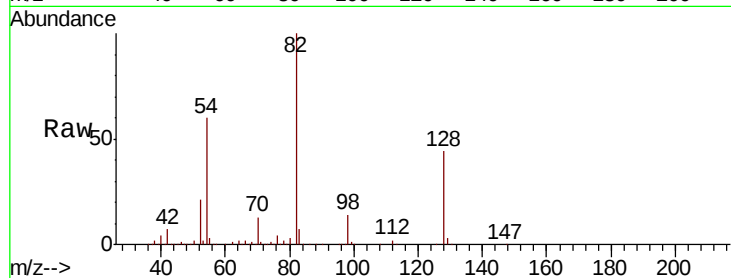
#23  
Nitrobenzene-d5  
Concen: 84.753 ng  
RT: 9.35 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 44.0  | 31.3 | 46.9  |       |
| 54      | 60.2  | 50.9 | 76.3  |       |

Manual Integrations  
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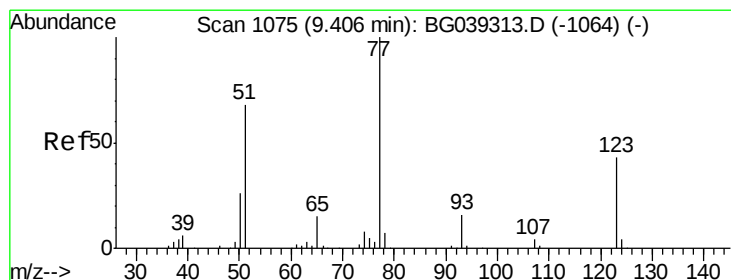
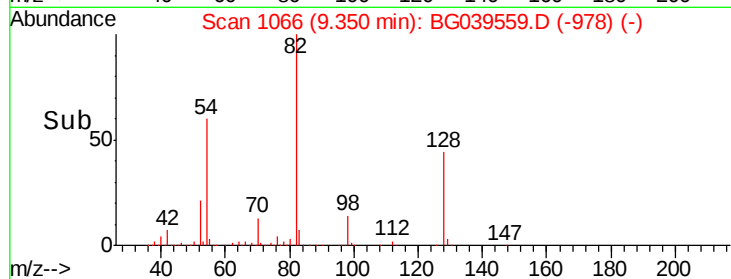
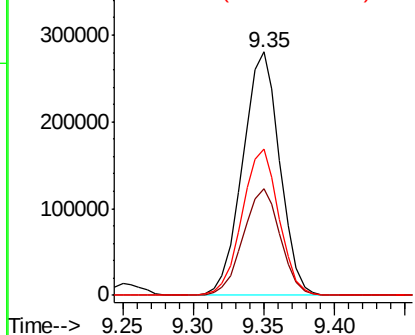


Abundance

Ion 82.00 (81.70 to 82.70): BGC

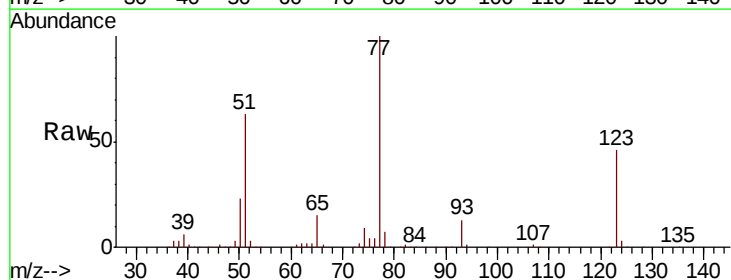
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#24  
Nitrobenzene  
Concen: 47.878 ng  
RT: 9.39 min Scan# 1073  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 46.3  | 34.1 | 51.1  |       |
| 65      | 15.1  | 12.3 | 18.5  |       |

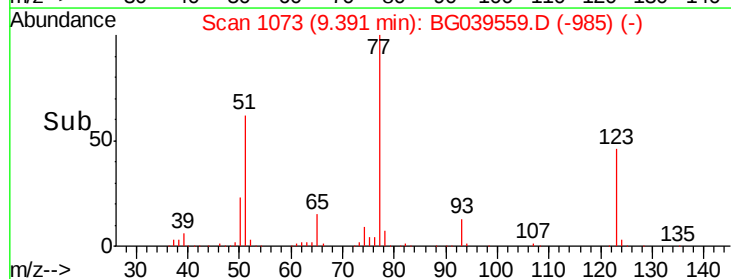
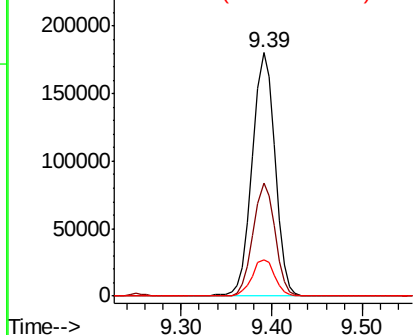


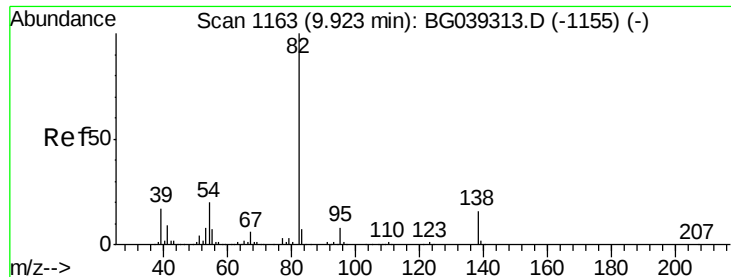
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#25

Isophorone

Concen: 45.500 ng

RT: 9.91 min Scan# 1161

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

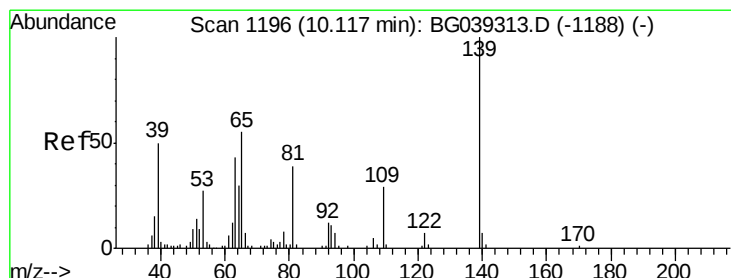
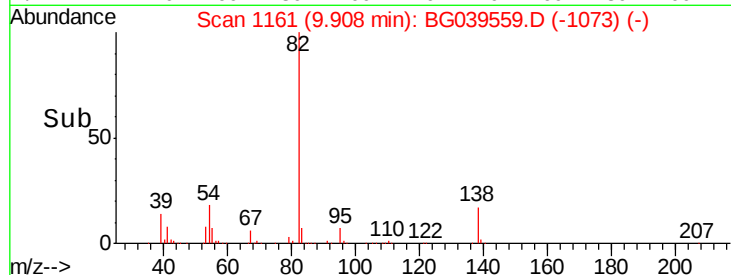
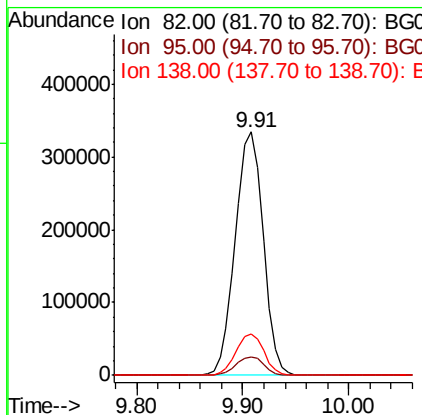
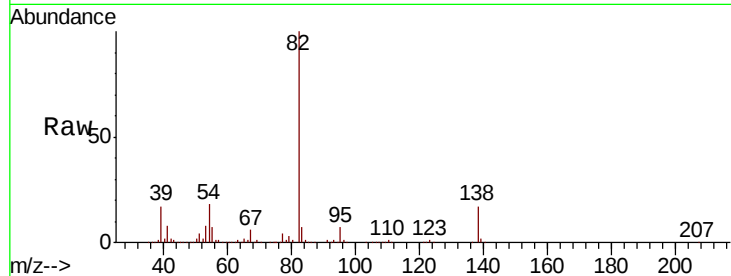
ClientSampleId :

PB117212BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 613104 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 7.5   | 6.2   | 9.2    |
| 138       | 16.8  | 13.0  | 19.4   |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 56.297 ng

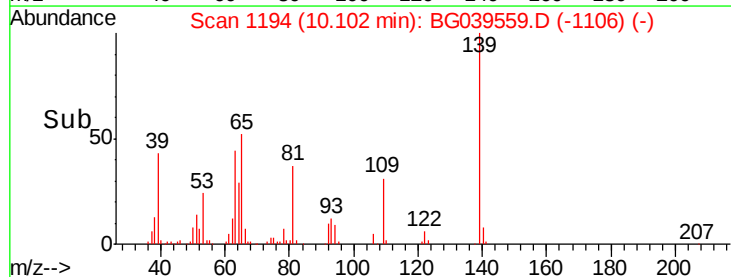
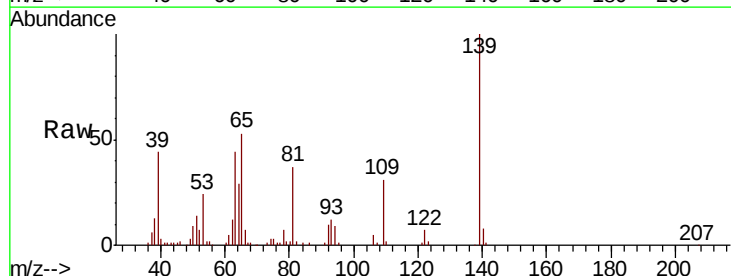
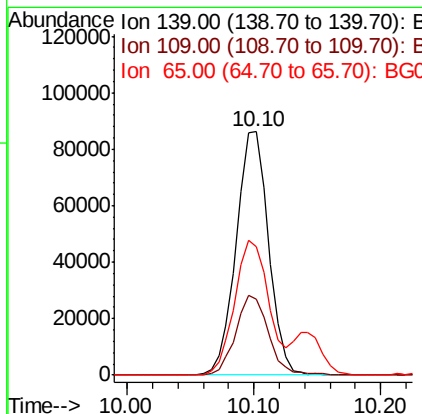
RT: 10.10 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 153046 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 31.2  | 23.4  | 35.0   |
| 65        | 52.5  | 44.3  | 66.5   |





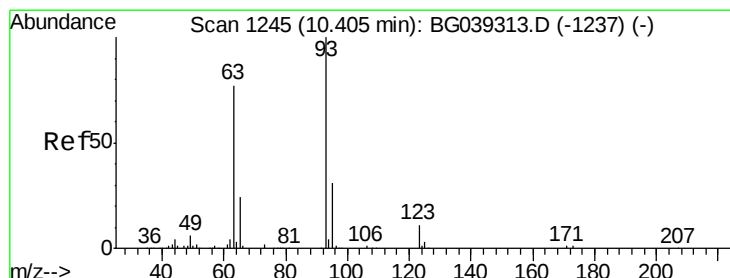
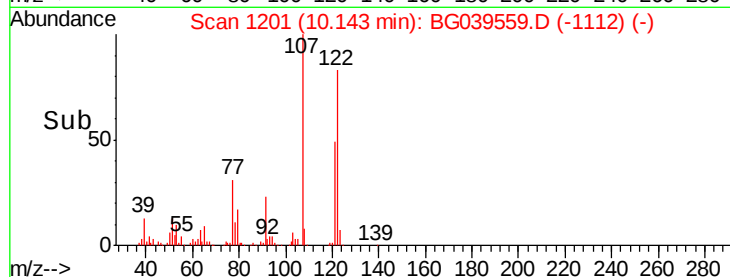
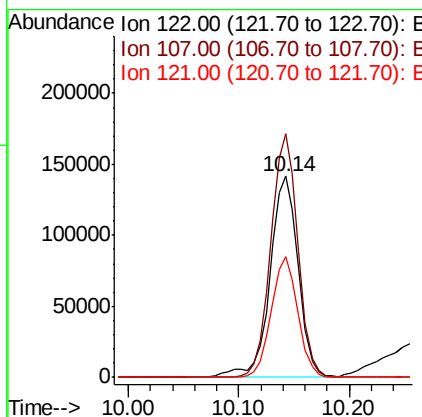
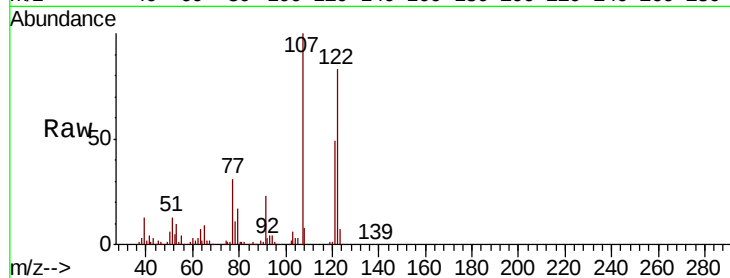
#27  
2,4-Dimethylphenol  
Concen: 46.257 ng  
RT: 10.14 min Scan# 1201  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 121.1 | 91.7  | 137.5 |
| 121     | 59.8  | 46.4  | 69.6  |

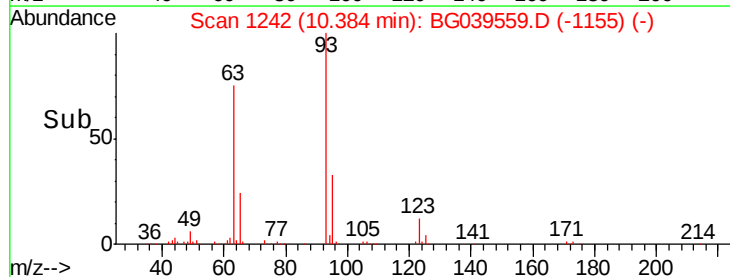
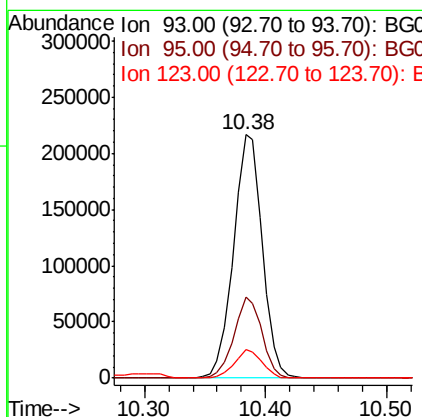
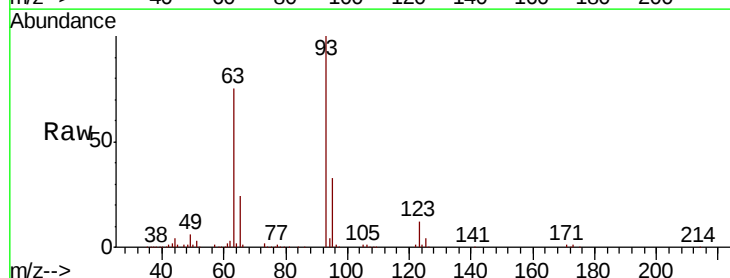
Manual Integrations  
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#28  
bis(2-Chloroethoxy)methane  
Concen: 43.207 ng  
RT: 10.38 min Scan# 1242  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.4  | 25.0  | 37.4  |
| 123     | 11.6  | 8.6   | 12.8  |





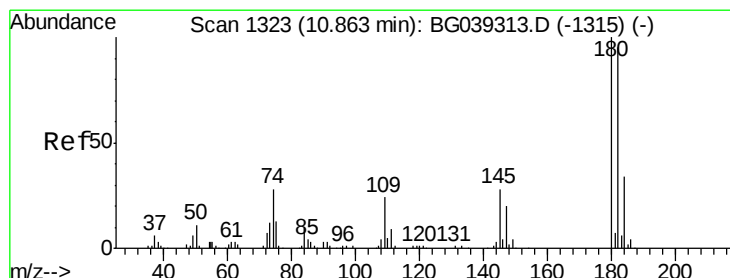
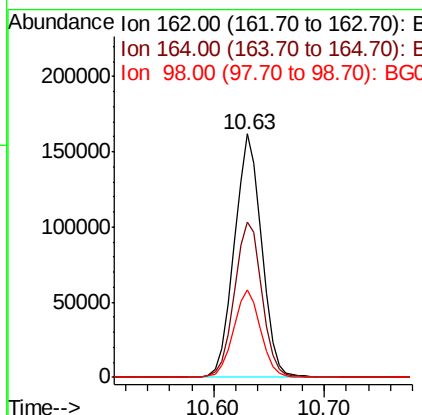
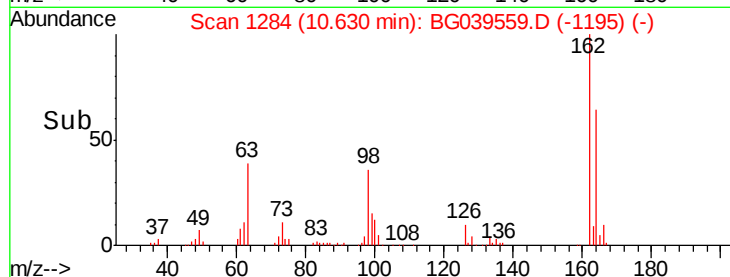
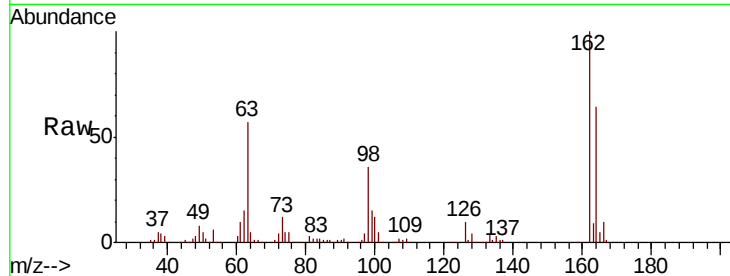
#29  
2,4-Dichlorophenol  
Concen: 47.201 ng  
RT: 10.63 min Scan# 1284  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 281198 |       |       |
| 164     | 63.8  | 48.1   | 88.1  |       |
| 98      | 35.8  | 18.1   | 58.1  |       |

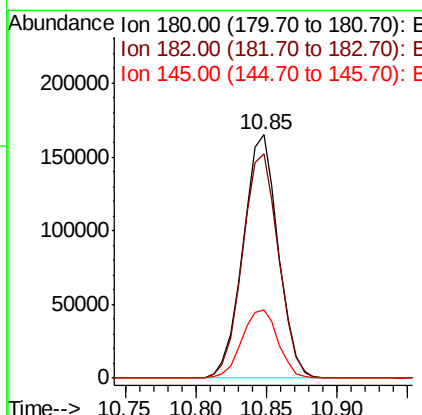
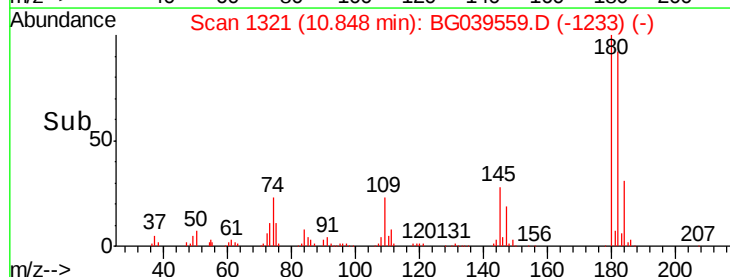
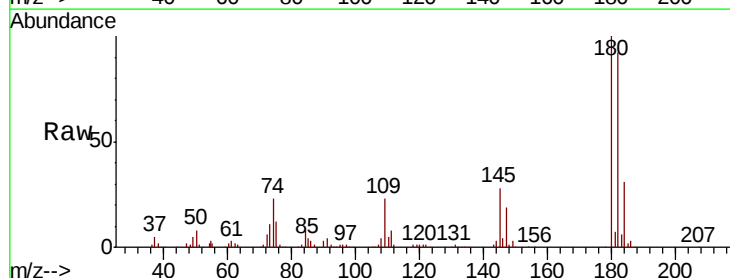
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#30  
1,2,4-Trichlorobenzene  
Concen: 42.851 ng  
RT: 10.85 min Scan# 1321  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 286605 |       |       |
| 182     | 92.2  | 76.0   | 114.0 |       |
| 145     | 28.0  | 22.7   | 34.1  |       |





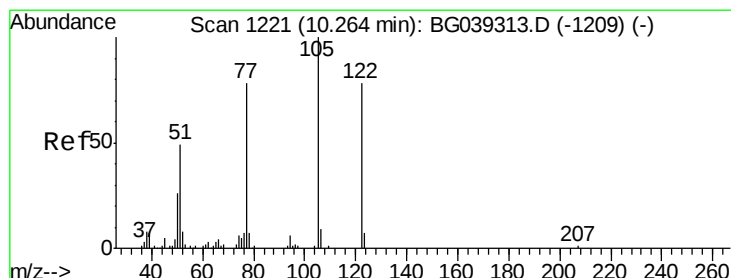
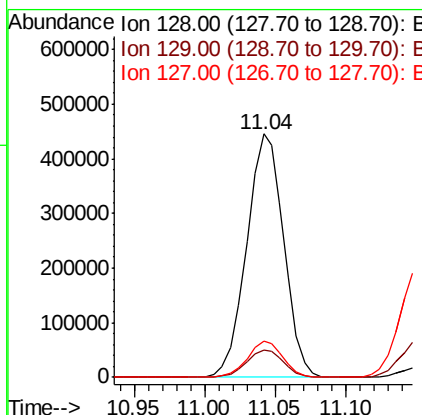
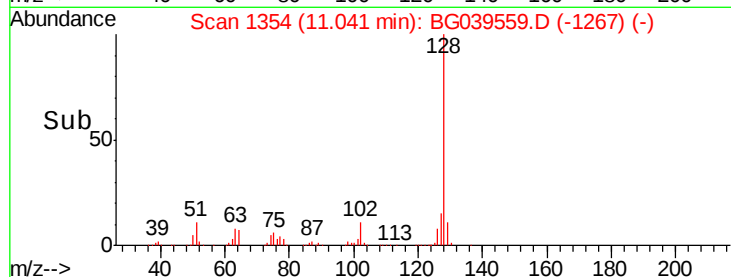
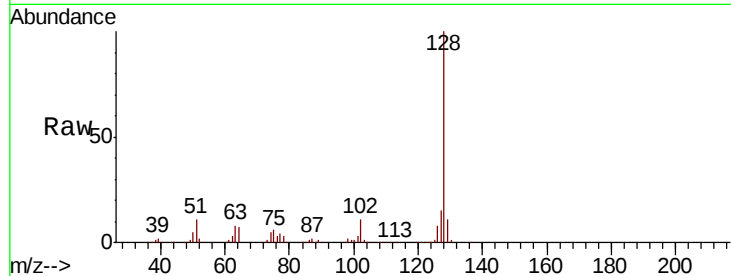
#31  
Naphthalene  
Concen: 43.322 ng  
RT: 11.04 min Scan# 1354  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.1  | 8.7   | 13.1  |
| 127     | 14.7  | 10.8  | 16.2  |

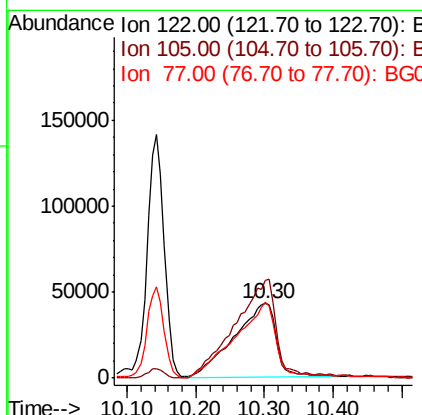
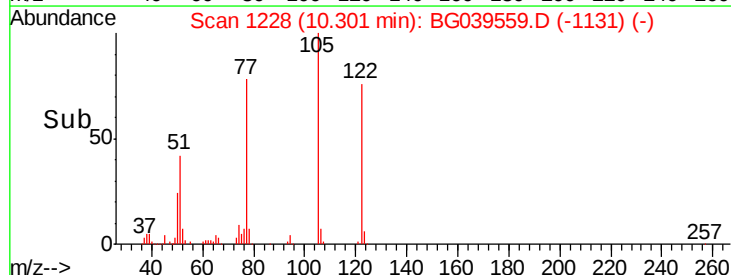
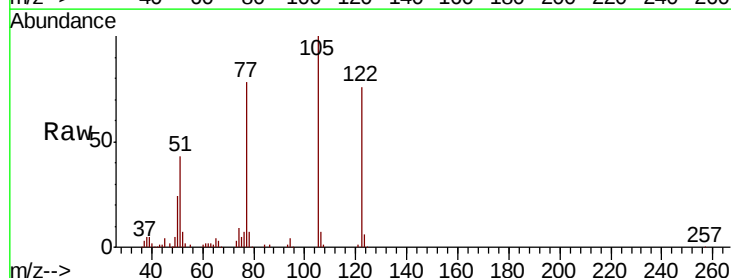
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#32  
Benzoic acid  
Concen: 51.456 ng  
RT: 10.30 min Scan# 1228  
Delta R.T. 0.04 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 130.9 | 101.8 | 141.8 |
| 77      | 102.6 | 76.3  | 116.3 |





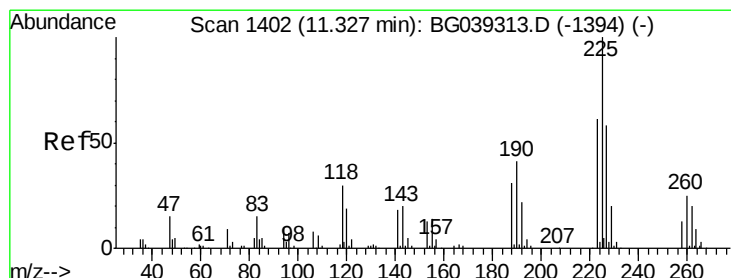
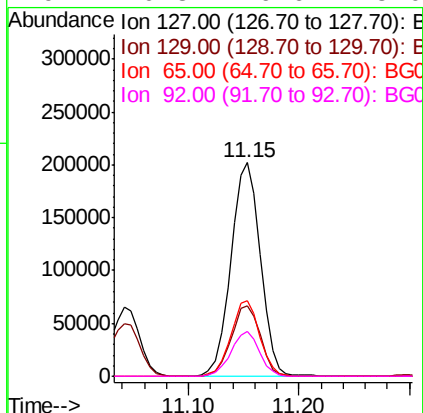
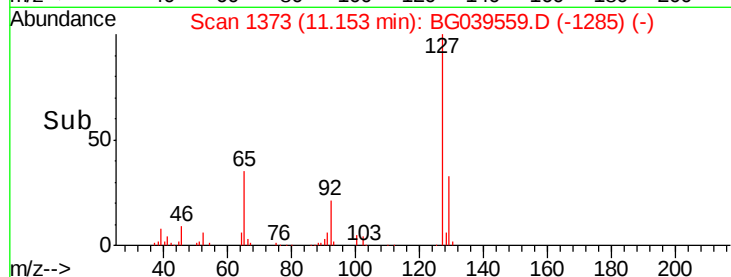
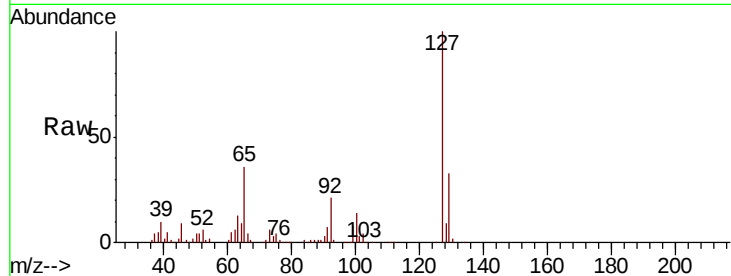
#33  
4-Chloroaniline  
Concen: 43.108 ng  
RT: 11.15 min Scan# 1373  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.7  | 27.0  | 40.4  |
| 65      | 35.6  | 28.8  | 43.2  |
| 92      | 20.8  | 16.6  | 25.0  |

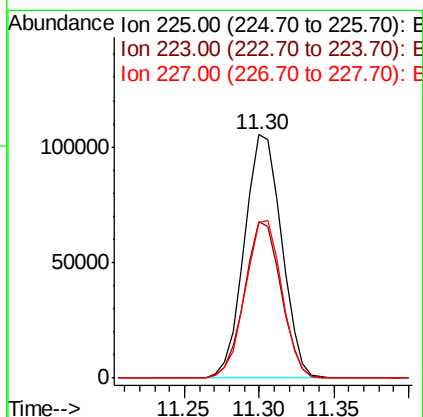
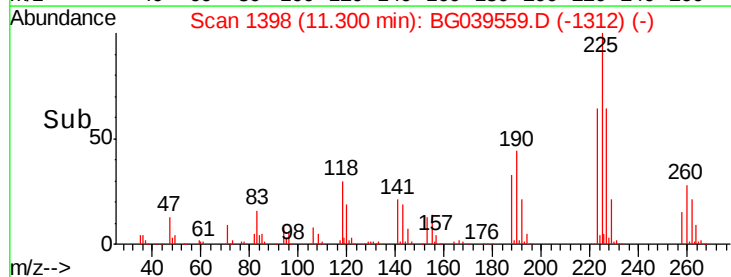
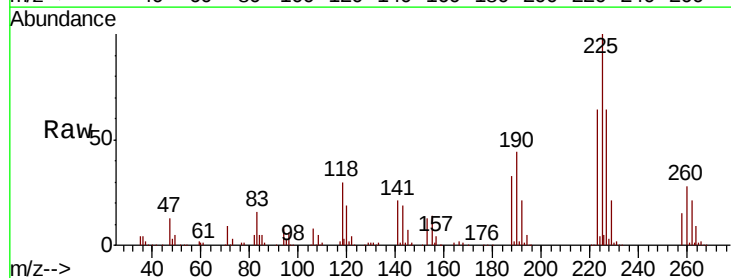
Manual Integrations  
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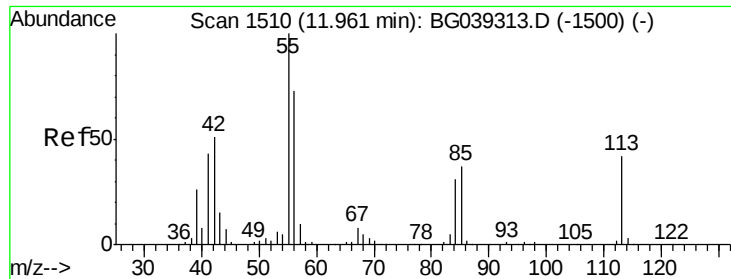
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#34  
Hexachlorobutadiene  
Concen: 40.800 ng  
RT: 11.30 min Scan# 1398  
Delta R.T. -0.03 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.4  | 49.0  | 73.6  |
| 227     | 63.7  | 46.3  | 69.5  |





#35

Caprolactam

Concen: 40.199 ng/mL

RT: 11.95 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

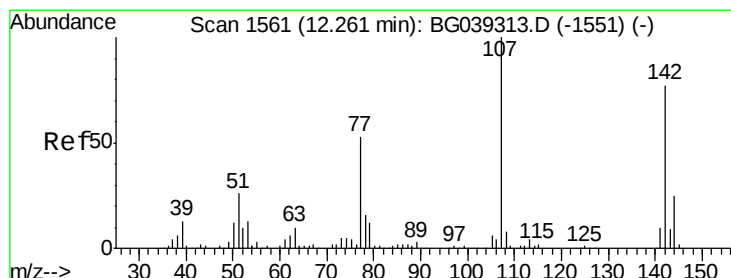
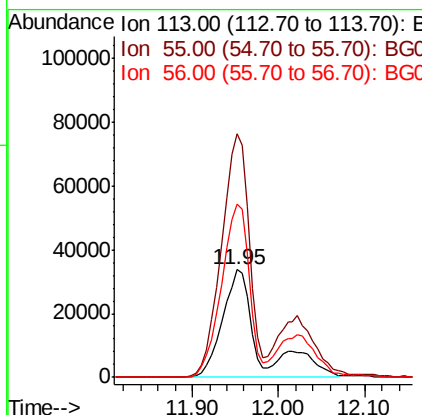
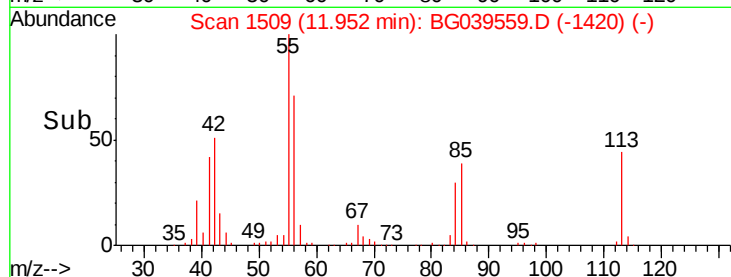
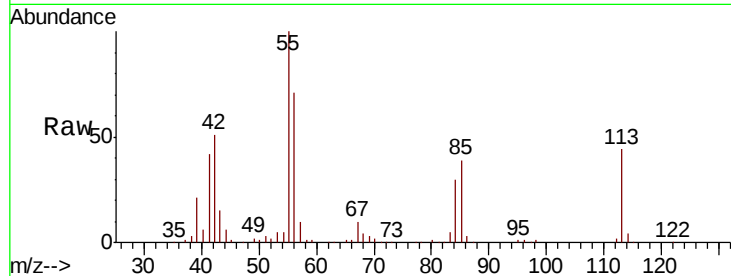
ClientSampled :

PB117212BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 99101 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 226.3 | 216.9 | 256.9 |
| 56        | 160.4 | 152.6 | 192.6 |

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#36

4-Chloro-3-methylphenol

Concen: 44.409 ng/mL

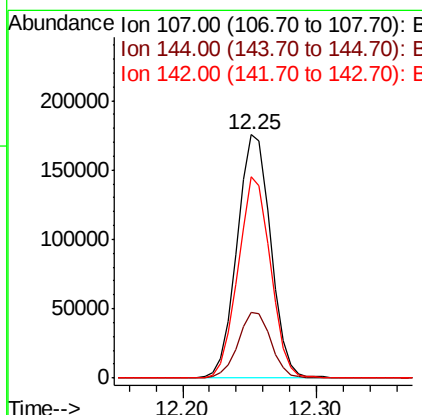
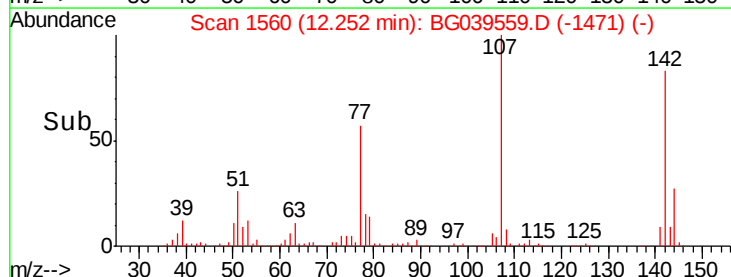
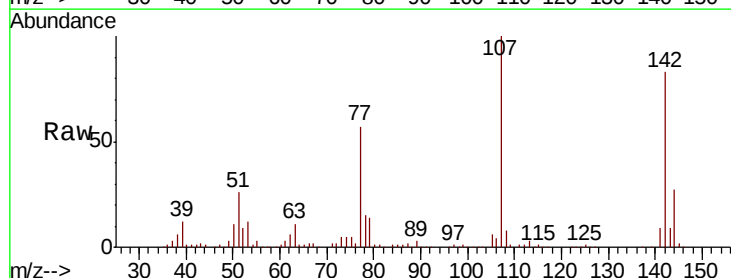
RT: 12.25 min Scan# 1560

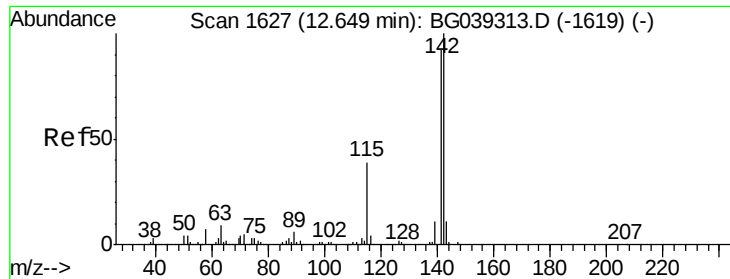
Delta R.T. -0.01 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 305971 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 26.9  | 20.2  | 30.2   |
| 142       | 82.7  | 61.4  | 92.2   |





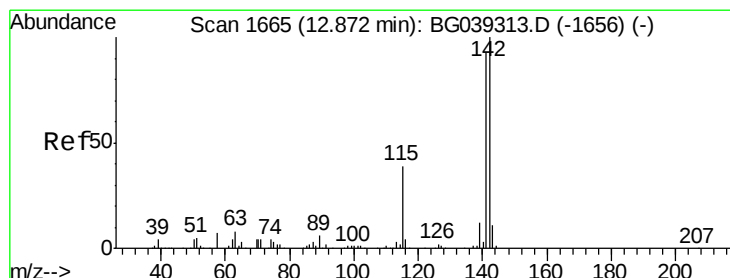
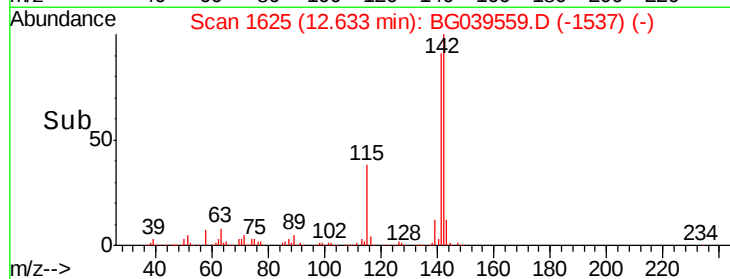
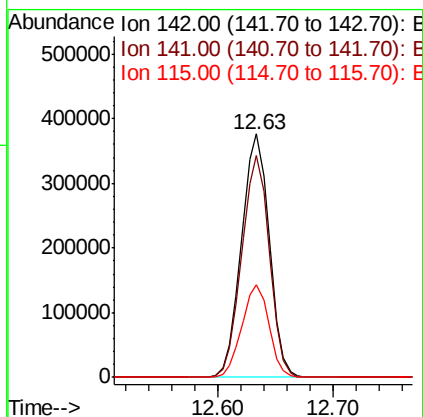
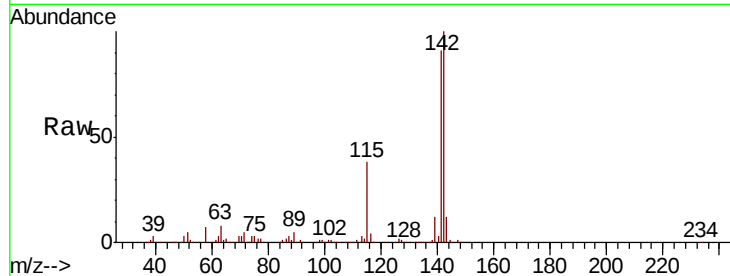
#37  
2-Methylnaphthalene  
Concen: 45.106 ng  
RT: 12.63 min Scan# 1625  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.1  | 73.5  | 110.3 |
| 115     | 38.1  | 30.8  | 46.2  |

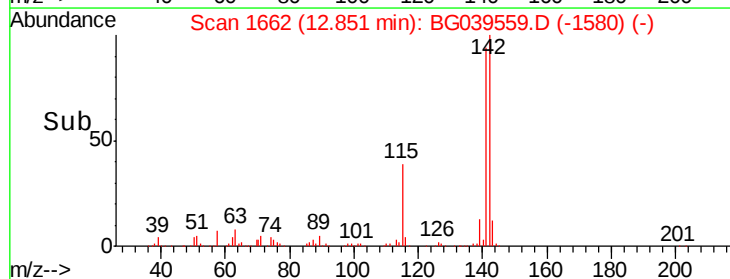
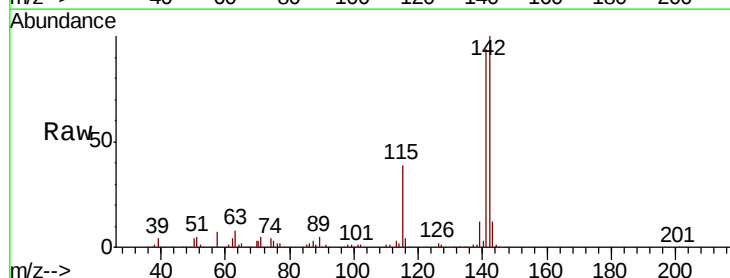
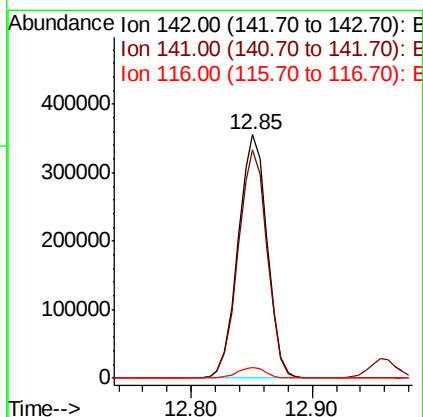
Manual Integrations  
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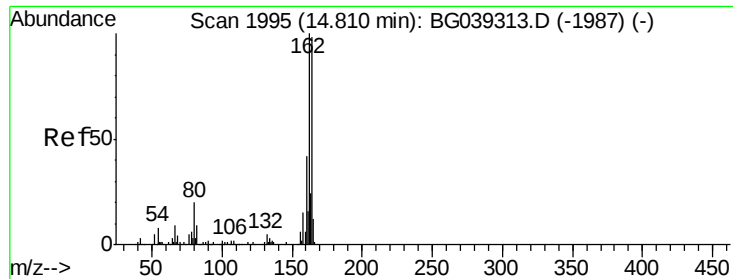
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#38  
1-Methylnaphthalene  
Concen: 44.211 ng  
RT: 12.85 min Scan# 1662  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.8  | 74.2  | 111.4 |
| 116     | 4.3   | 3.0   | 4.6   |





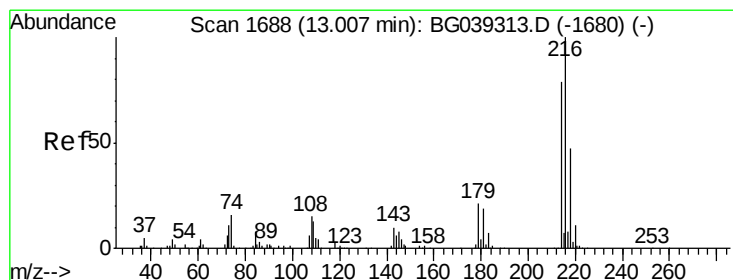
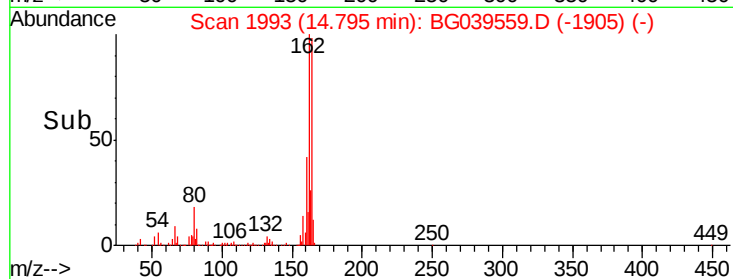
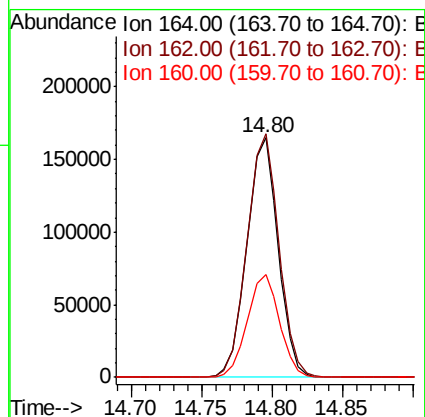
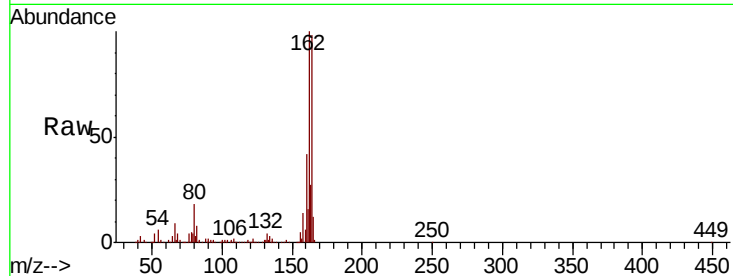
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.80 min Scan# 1993  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 81.6  | 122.4 |
| 160     | 42.8  | 34.2  | 51.2  |

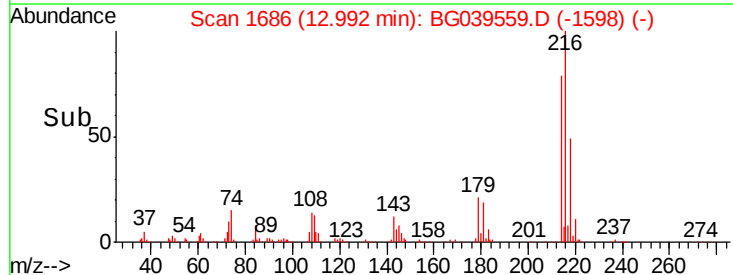
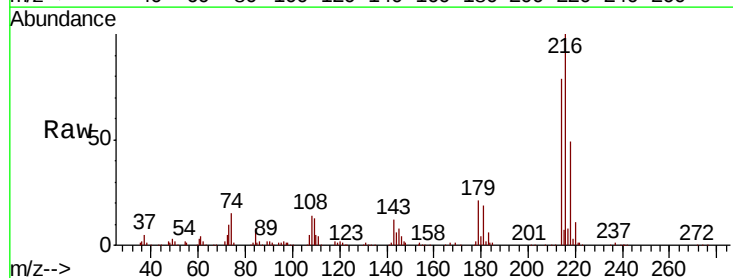
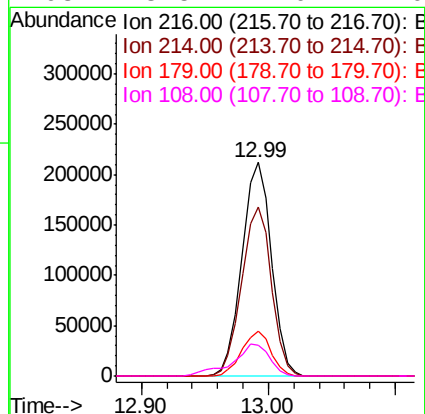
Manual Integrations  
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.991 ng  
RT: 12.99 min Scan# 1686  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.6  | 62.6  | 94.0  |
| 179     | 20.7  | 16.6  | 25.0  |
| 108     | 18.5  | 14.0  | 21.0  |





#41

Hexachlorocyclopentadiene

Concen: 91.399 ng

RT: 12.96 min Scan# 1681

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

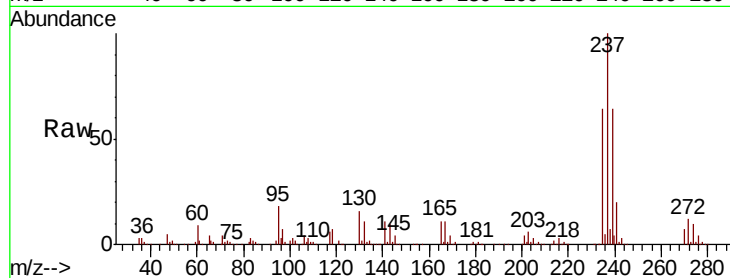
ClientSampleId :

PB117212BS

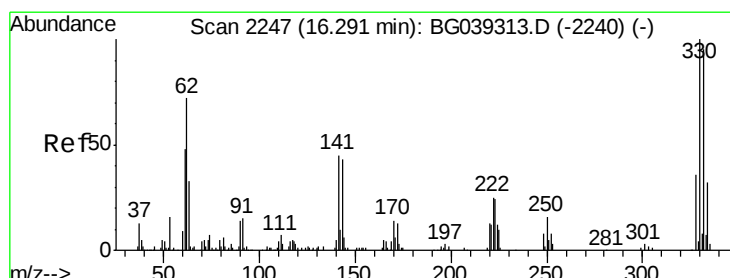
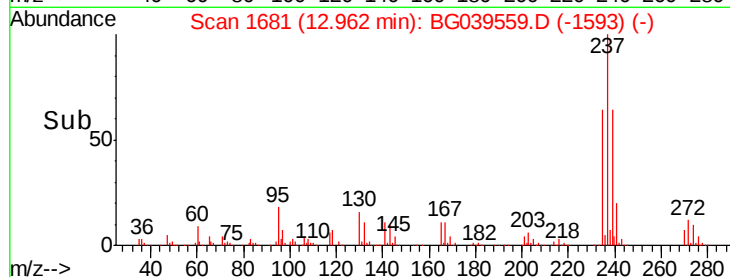
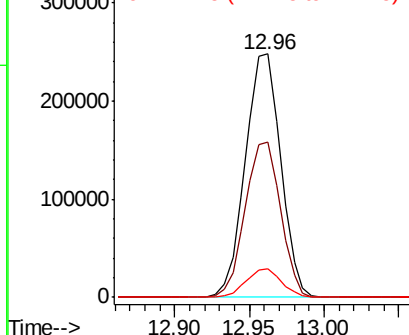
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 406123 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.8  | 43.3  | 83.3   |
| 272       | 12.0  | 0.0   | 32.3   |

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



#42

2,4,6-Tribromophenol

Concen: 157.703 ng

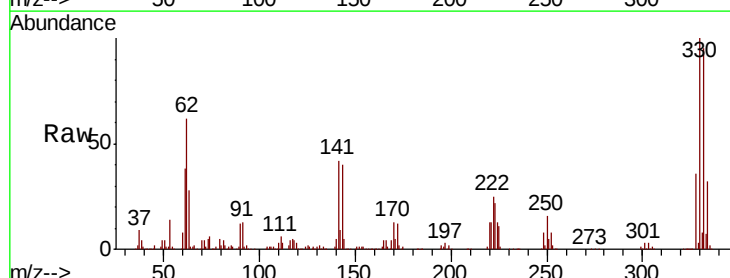
RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

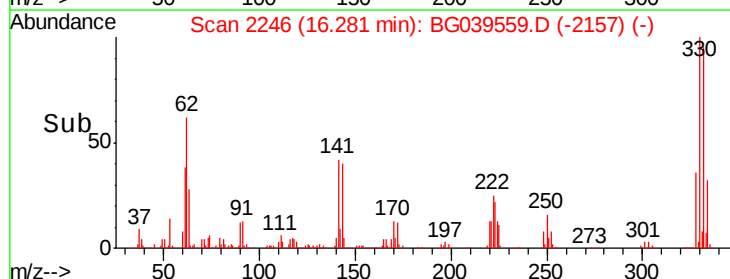
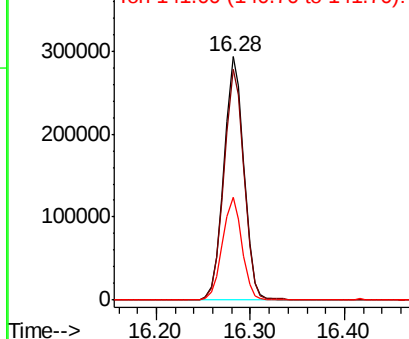
Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 435222 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.1  | 75.7  | 113.5  |
| 141       | 41.6  | 35.6  | 53.4   |



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





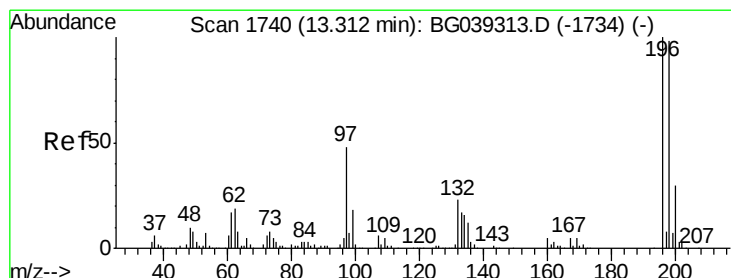
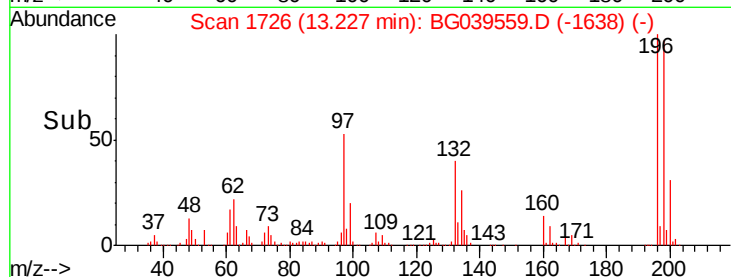
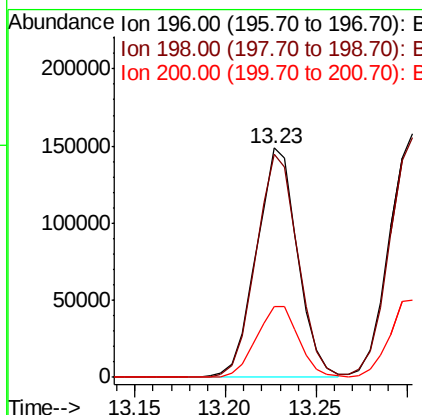
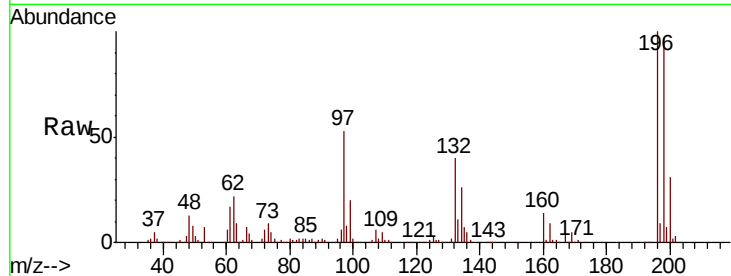
#43  
 2,4,6-Trichlorophenol  
 Concen: 47.035 ng  
 RT: 13.23 min Scan# 1726  
 Delta R.T. -0.02 min  
 Lab File: BG039559.D  
 Acq: 19 Feb 2019 17:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117212BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 235818 |       |       |
| 198     | 97.2  | 80.6   | 121.0 |       |
| 200     | 31.0  | 26.1   | 39.1  |       |

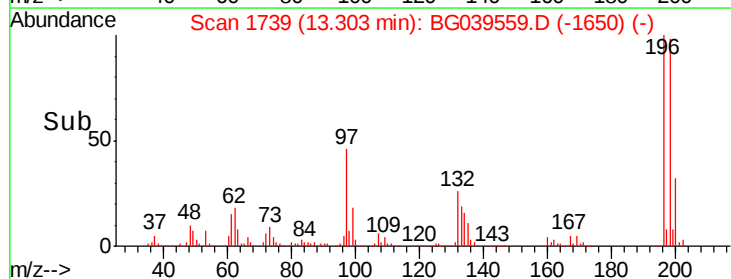
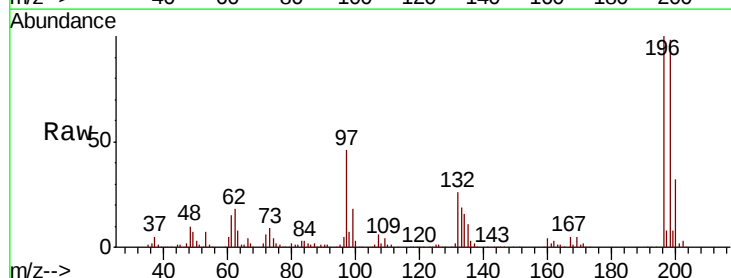
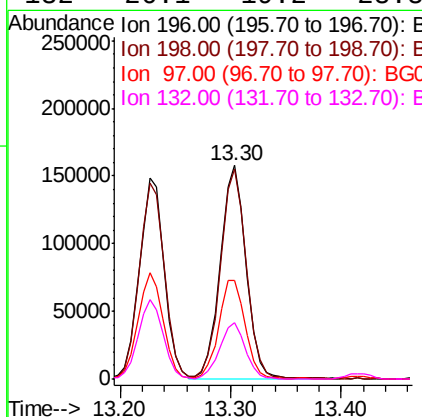
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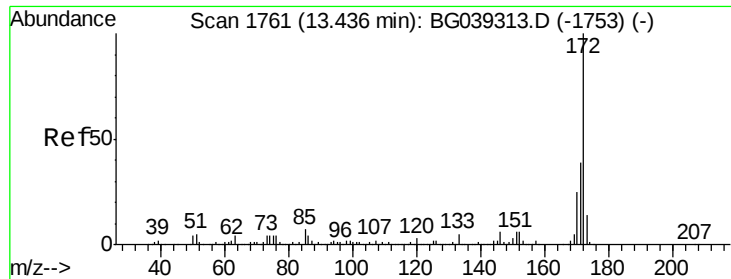
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#44  
 2,4,5-Trichlorophenol  
 Concen: 48.655 ng  
 RT: 13.30 min Scan# 1739  
 Delta R.T. -0.01 min  
 Lab File: BG039559.D  
 Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 255672 |       |       |
| 198     | 98.3  | 78.5   | 117.7 |       |
| 97      | 46.2  | 38.4   | 57.6  |       |
| 132     | 26.1  | 19.2   | 28.8  |       |





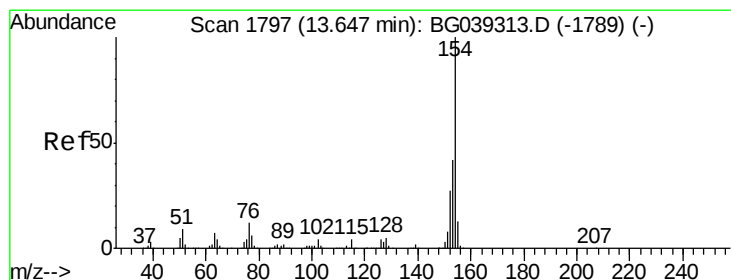
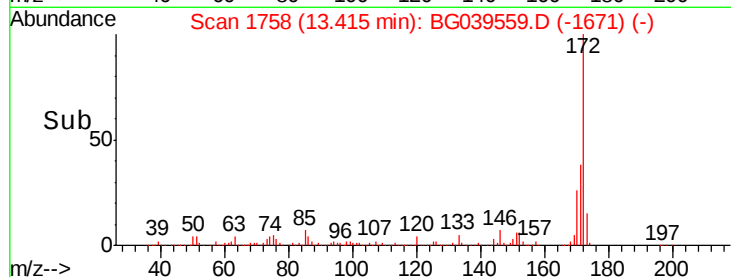
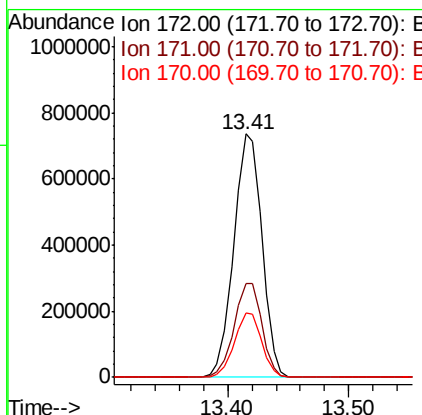
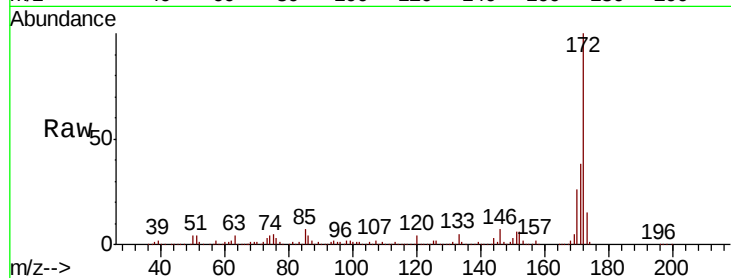
#45  
2-Fluorobiphenyl  
Concen: 66.981 ng  
RT: 13.41 min Scan# 1758  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 30.8  | 46.2  |
| 170     | 26.3  | 20.2  | 30.4  |

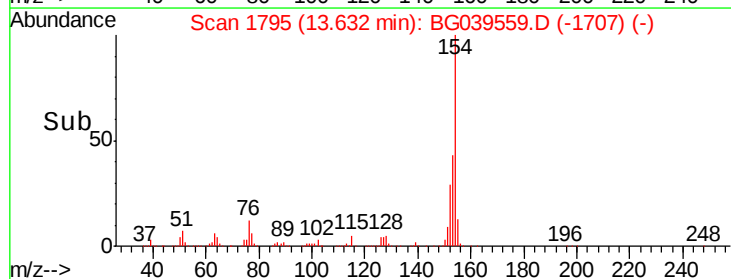
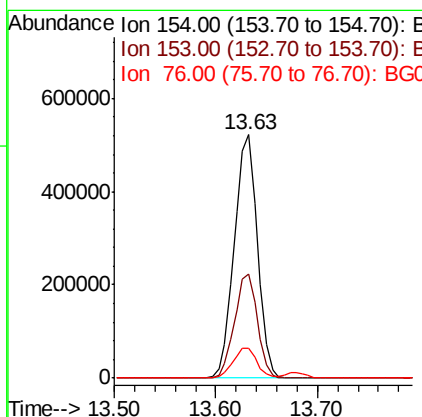
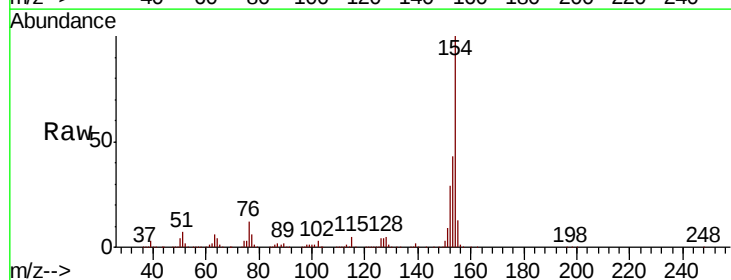
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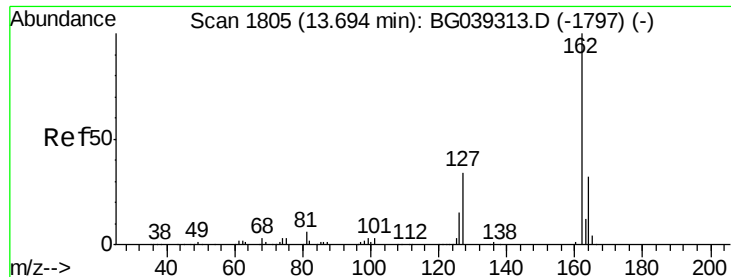
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#46  
1,1'-Biphenyl  
Concen: 38.618 ng  
RT: 13.63 min Scan# 1795  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.6  | 22.1  | 62.1  |
| 76      | 12.2  | 0.0   | 32.4  |





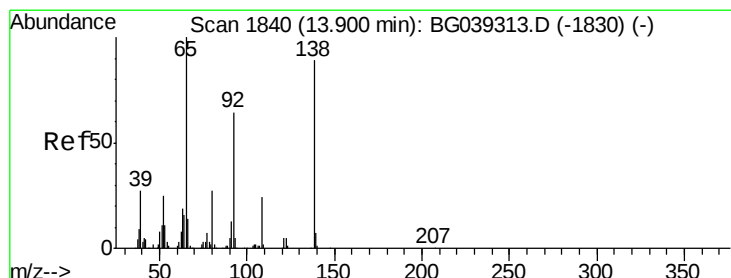
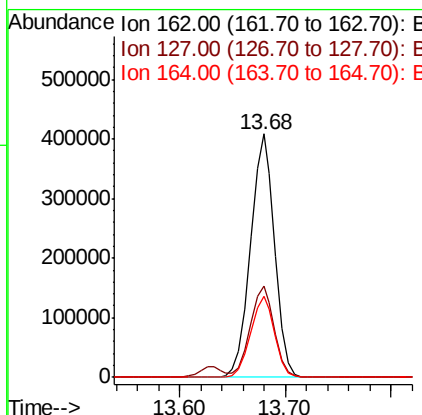
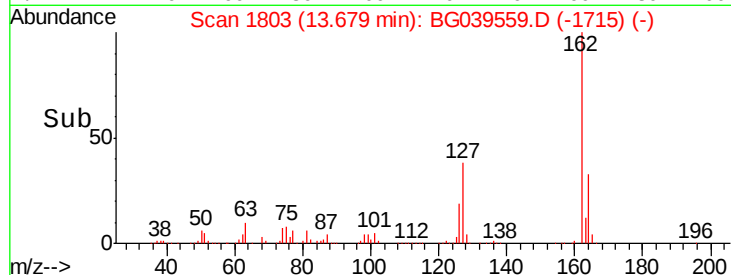
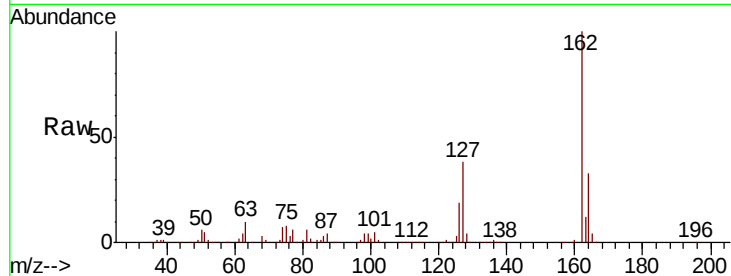
#47  
2-Chloronaphthalene  
Concen: 40.273 ng  
RT: 13.68 min Scan# 1803  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampled :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.6  | 31.0  | 46.6  |
| 164     | 33.1  | 25.7  | 38.5  |

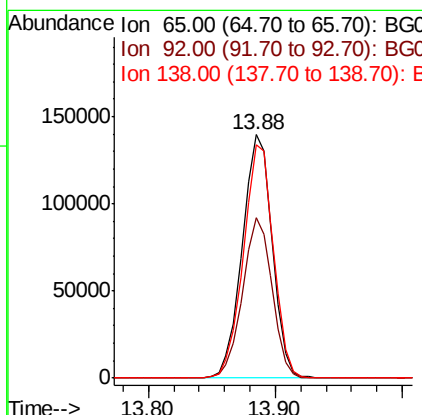
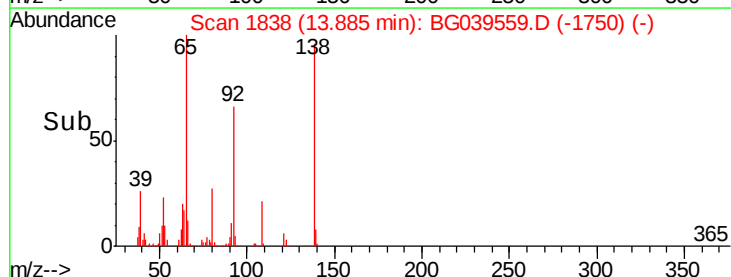
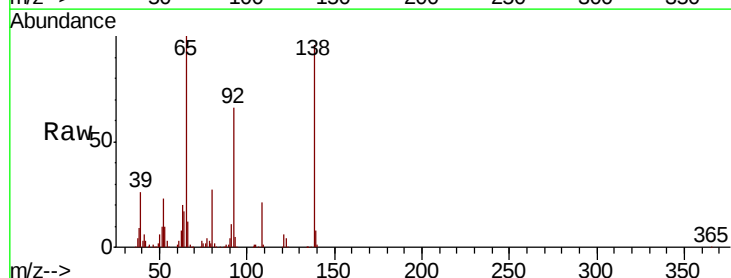
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#48  
2-Nitroaniline  
Concen: 49.480 ng  
RT: 13.88 min Scan# 1838  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.7  | 51.4  | 77.2  |
| 138     | 96.0  | 71.4  | 107.2 |





#49

Acenaphthylene

Concen: 41.667 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

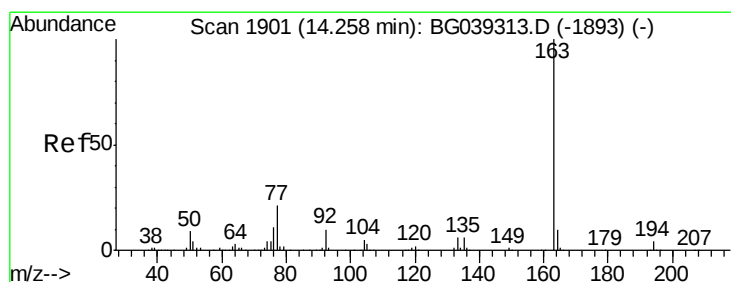
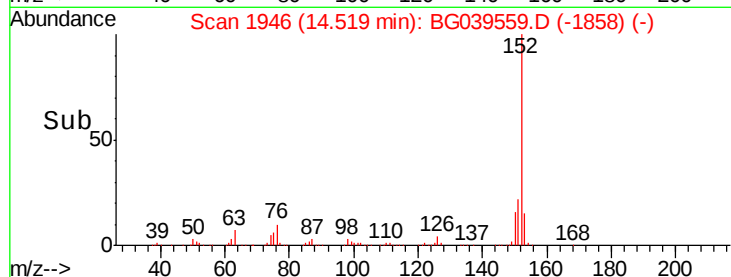
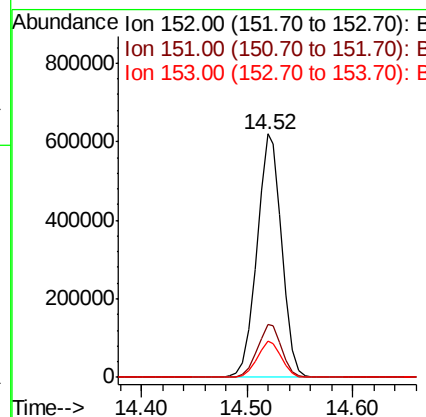
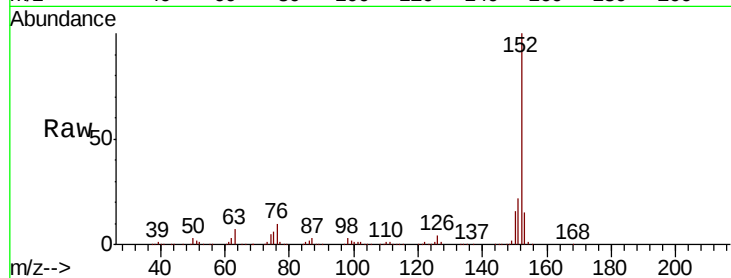
ClientSampleId :

PB117212BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 152   | Resp: | 1008562 |
| Ion      | Ratio | Lower | Upper   |
| 152      | 100   |       |         |
| 151      | 21.8  | 16.8  | 25.2    |
| 153      | 14.7  | 11.7  | 17.5    |

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#50

Dimethylphthalate

Concen: 40.691 ng

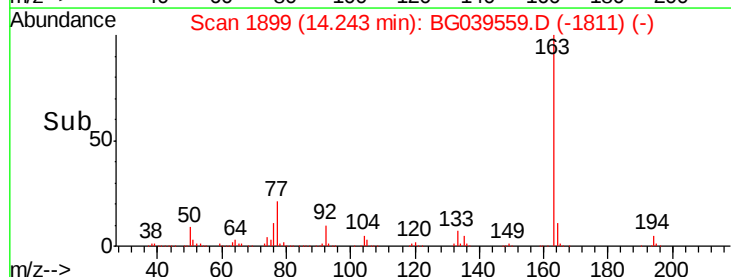
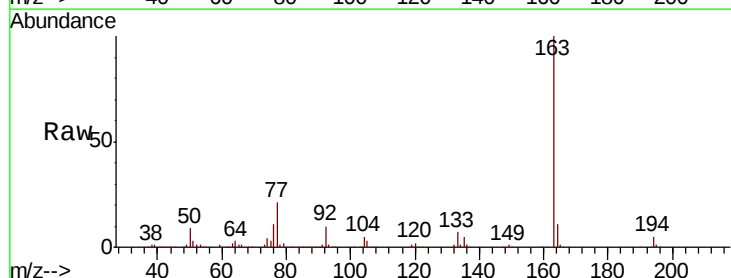
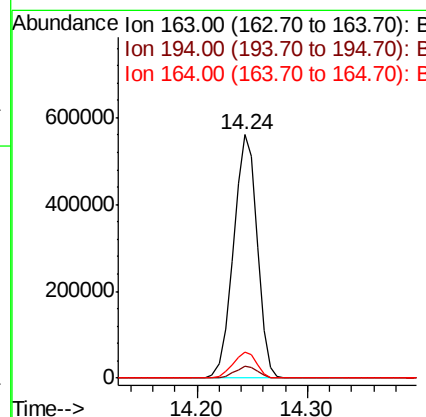
RT: 14.24 min Scan# 1899

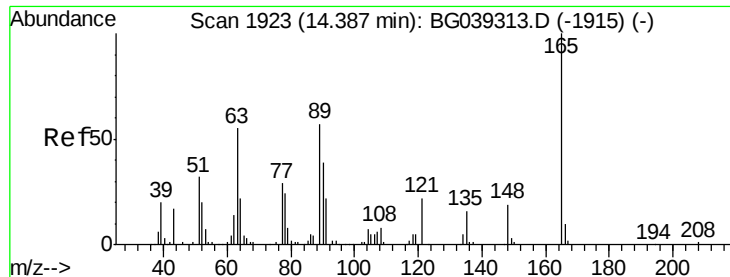
Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 842255 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 4.8   | 3.6   | 5.4    |
| 164      | 10.5  | 8.4   | 12.6   |





#51

2,6-Dinitrotoluene

Concen: 49.606 ng

RT: 14.37 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

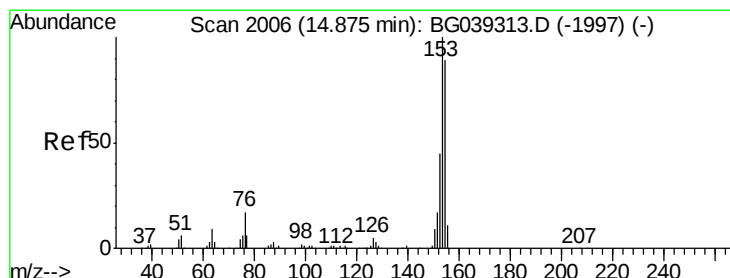
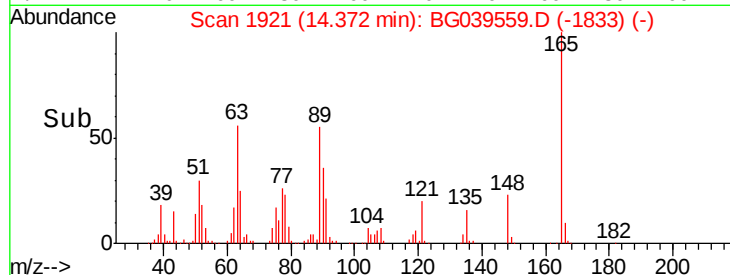
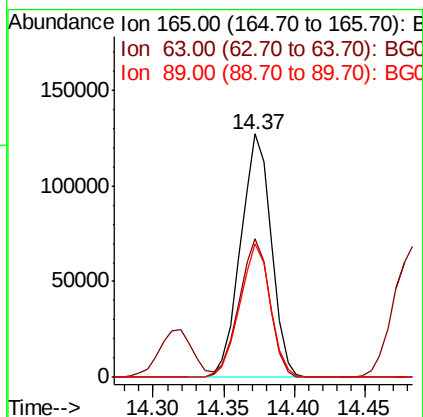
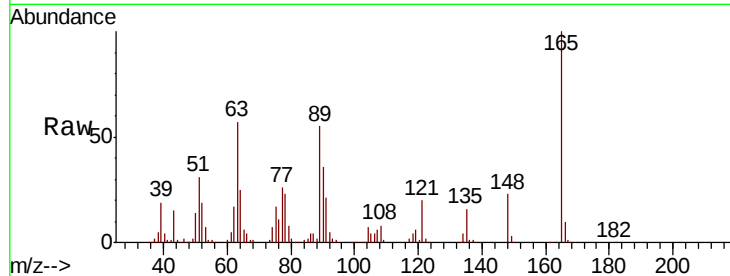
ClientSampleId :

PB117212BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 192883 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 56.9  | 47.0  | 70.6   |
| 89        | 54.9  | 45.8  | 68.8   |

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#52

Acenaphthene

Concen: 39.933 ng

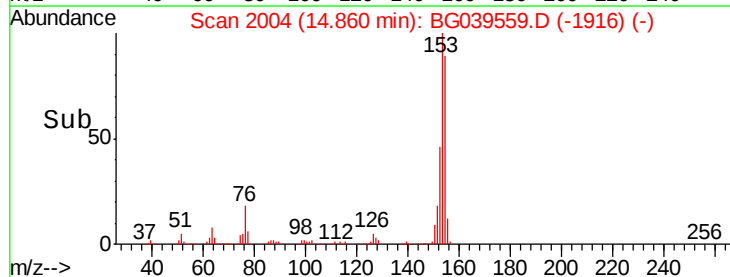
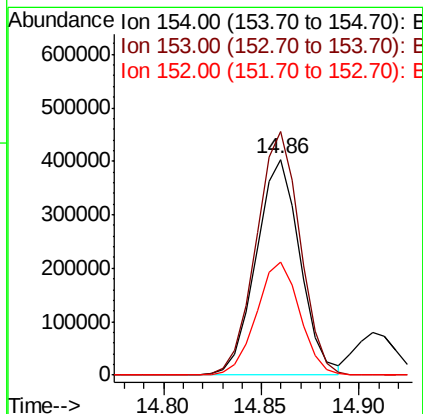
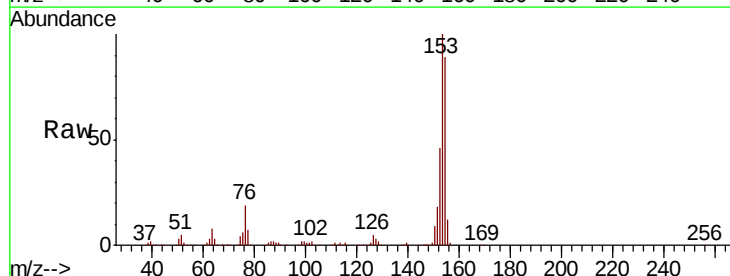
RT: 14.86 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 627425 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 112.8 | 90.1  | 135.1  |
| 152       | 52.1  | 40.9  | 61.3   |





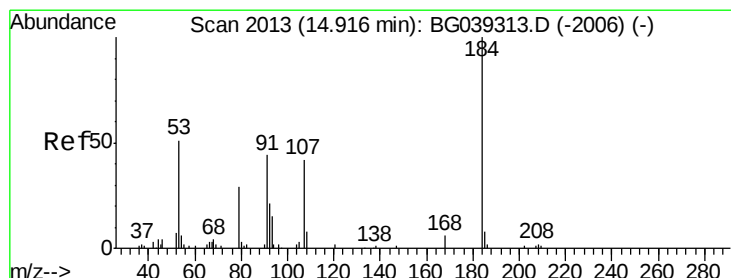
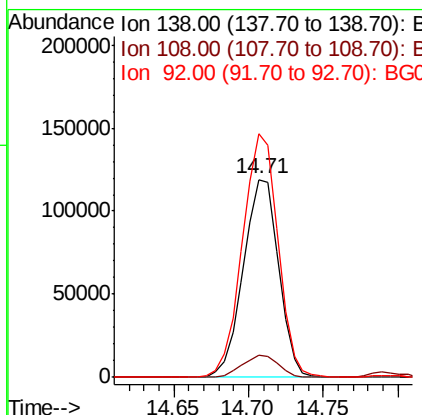
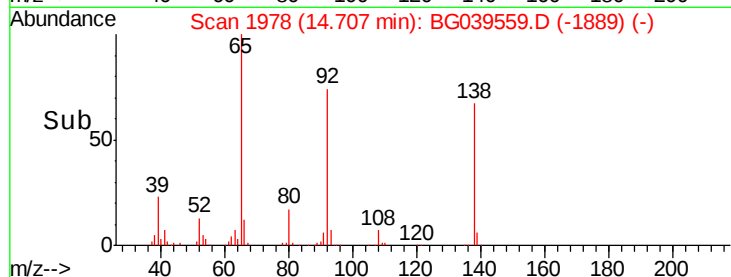
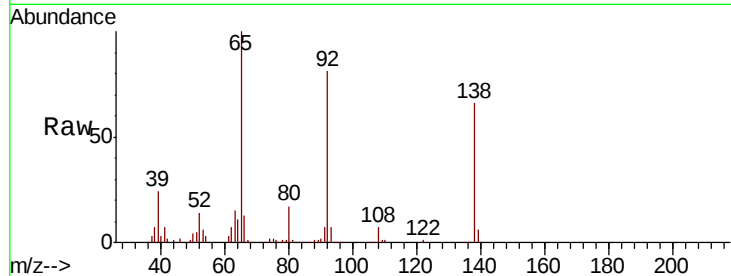
#53  
3-Nitroaniline  
Concen: 47.008 ng  
RT: 14.71 min Scan# 1978  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.9  | 13.8  | 20.8# |
| 92      | 123.0 | 103.7 | 155.5 |

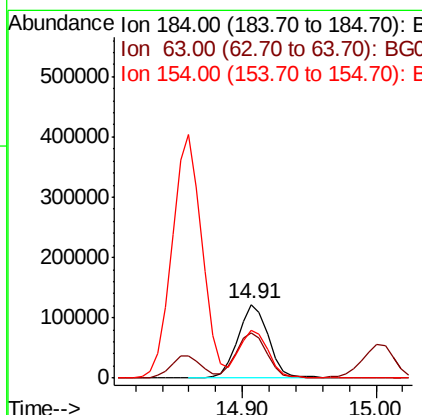
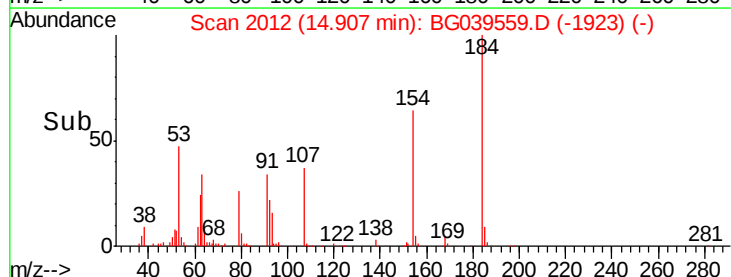
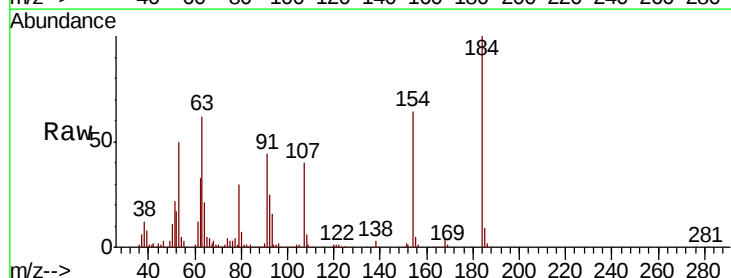
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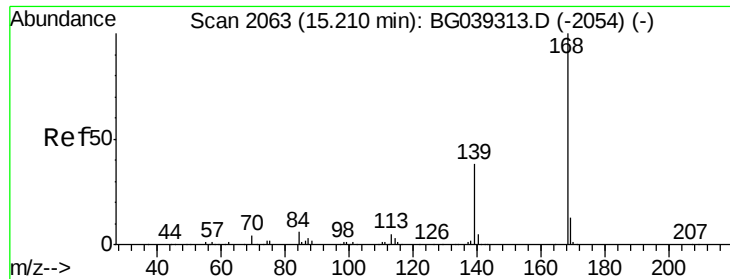
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#54  
2,4-Dinitrophenol  
Concen: 100.595 ng  
RT: 14.91 min Scan# 2012  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 61.6  | 50.9  | 76.3  |
| 154     | 64.4  | 53.0  | 79.6  |





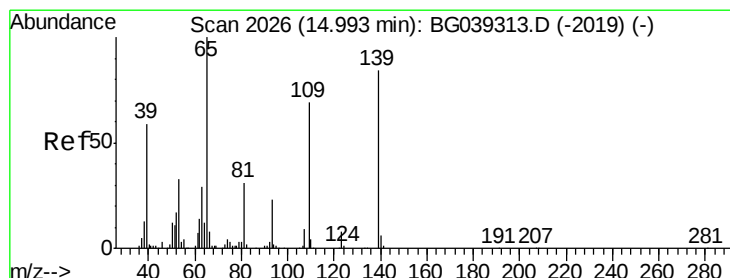
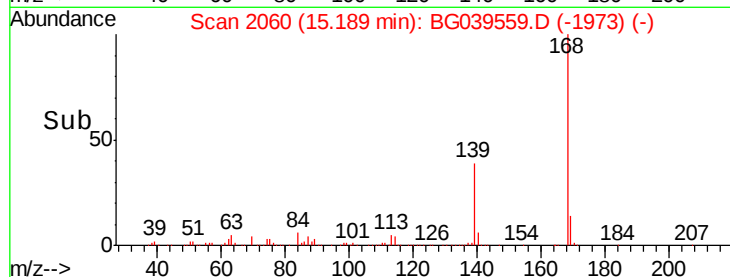
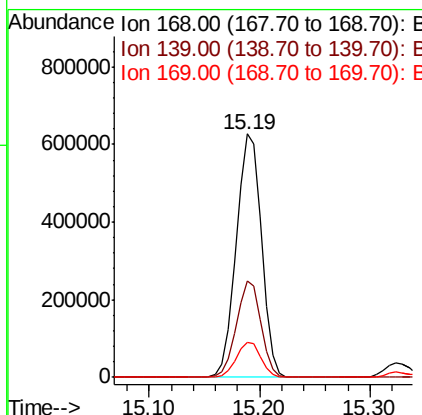
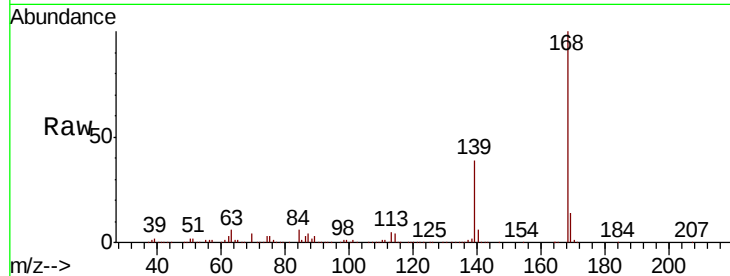
#55  
Dibenzofuran  
Concen: 39.993 ng  
RT: 15.19 min Scan# 2060  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.4  | 30.1  | 45.1  |
| 169     | 14.2  | 10.6  | 16.0  |

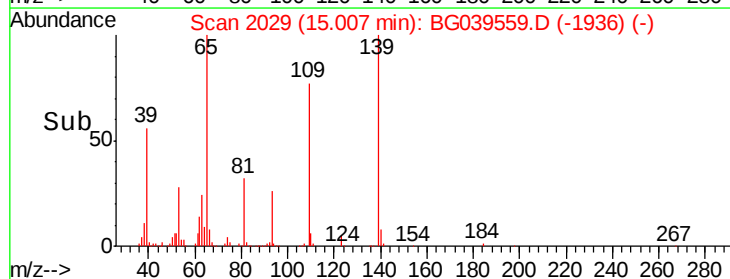
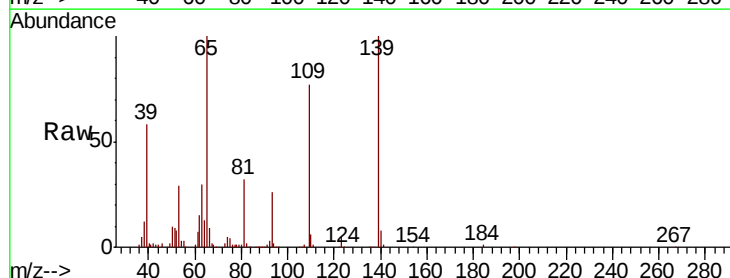
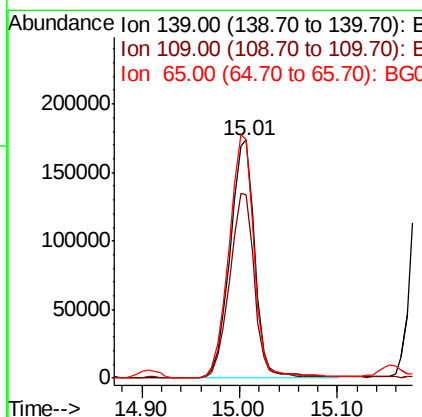
Manual Integrations  
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#56  
4-Nitrophenol  
Concen: 81.922 ng  
RT: 15.01 min Scan# 2029  
Delta R.T. 0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 77.2  | 61.9  | 101.9 |
| 65      | 100.0 | 99.1  | 139.1 |





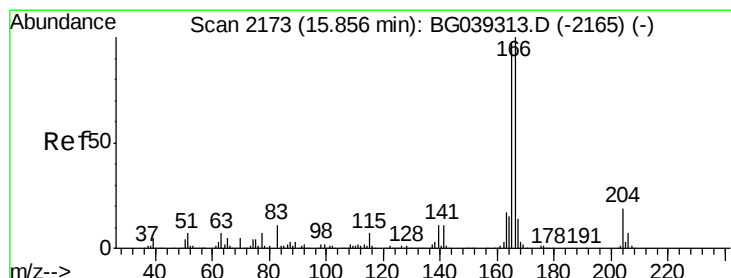
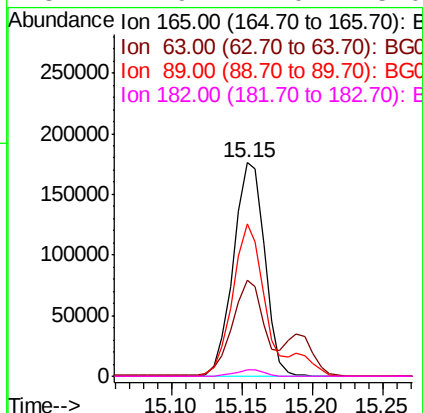
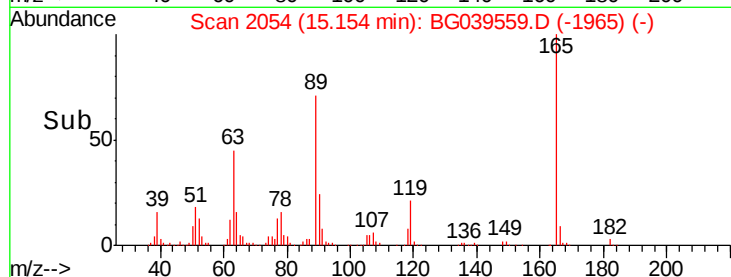
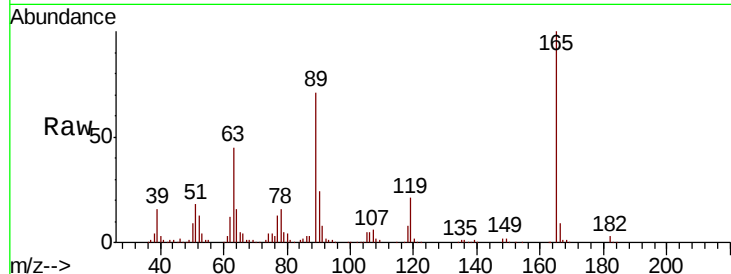
#57  
2,4-Dinitrotoluene  
Concen: 53.746 ng  
RT: 15.15 min Scan# 2054  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 45.0  | 41.0  | 61.6  |
| 89      | 71.4  | 64.6  | 96.8  |
| 182     | 2.9   | 2.0   | 3.0   |

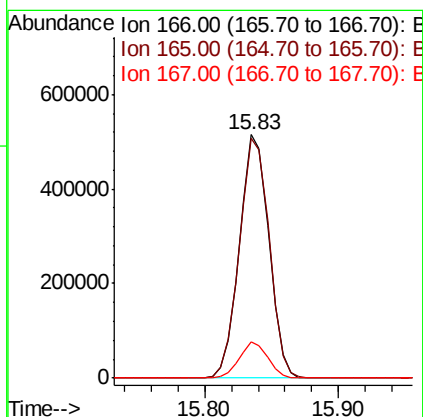
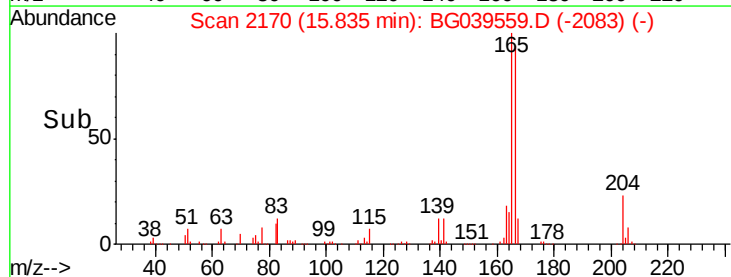
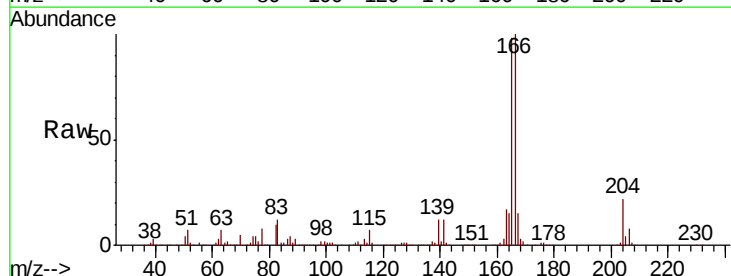
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#58  
Fluorene  
Concen: 41.796 ng  
RT: 15.83 min Scan# 2170  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 98.5  | 77.9  | 116.9 |
| 167     | 14.8  | 10.8  | 16.2  |





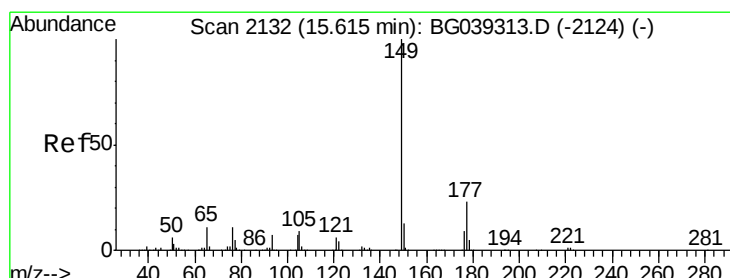
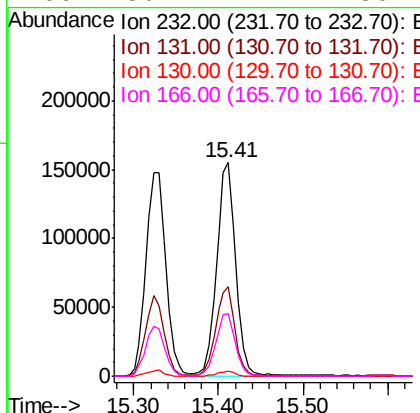
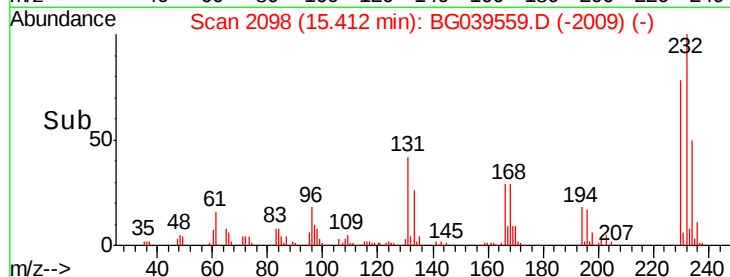
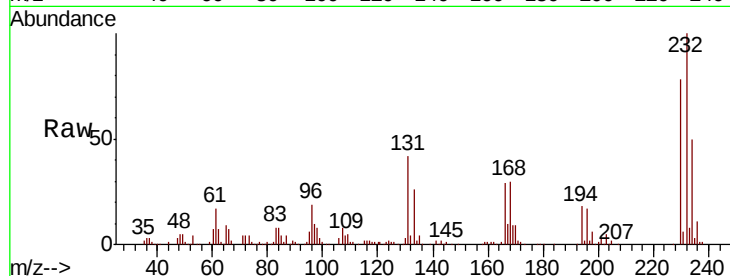
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 50.030 ng  
 RT: 15.41 min Scan# 2098  
 Delta R.T. -0.01 min  
 Lab File: BG039559.D  
 Acq: 19 Feb 2019 17:44

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB117212BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 246153 |       |       |
| 131     | 41.6  |        | 34.9  | 52.3  |
| 130     | 2.4   |        | 2.0   | 3.0   |
| 166     | 30.2  |        | 24.1  | 36.1  |

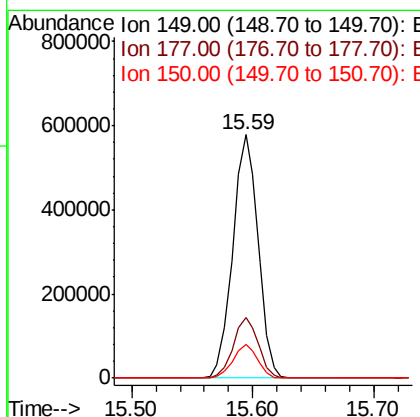
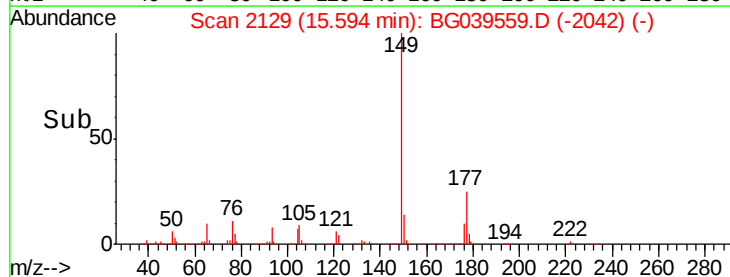
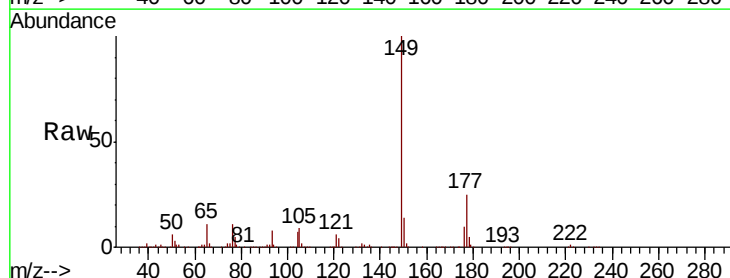
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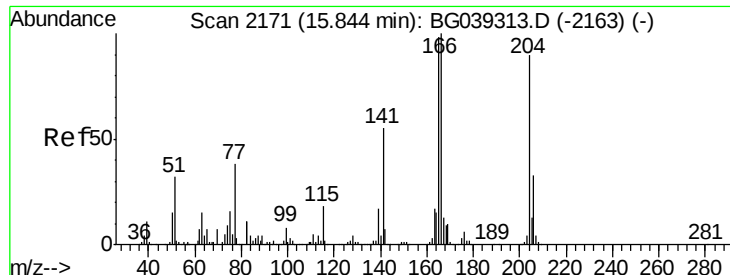
Sohil  
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#60  
 Diethylphthalate  
 Concen: 39.402 ng  
 RT: 15.59 min Scan# 2129  
 Delta R.T. -0.02 min  
 Lab File: BG039559.D  
 Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 843242 |       |       |
| 177     | 24.6  |        | 18.3  | 27.5  |
| 150     | 13.7  |        | 10.2  | 15.2  |





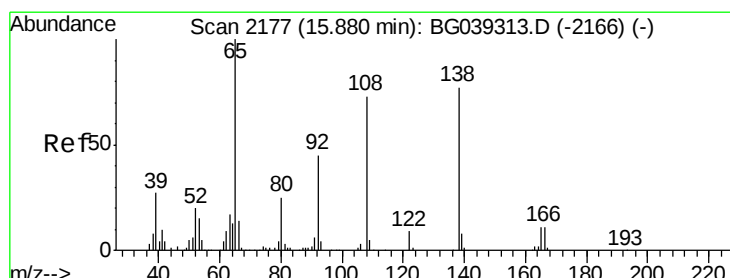
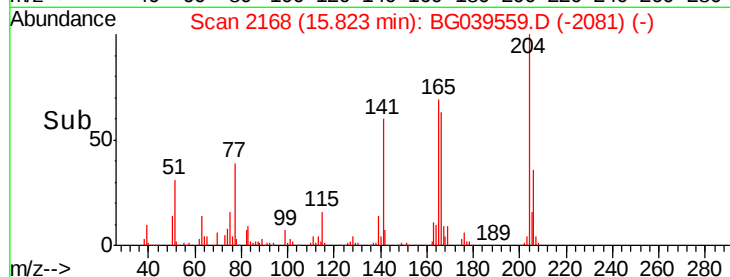
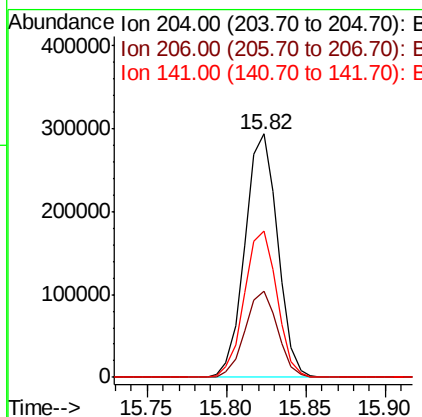
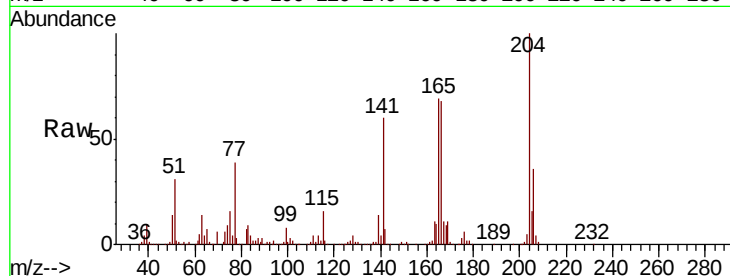
#61  
4-Chlorophenyl-phenylether  
Concen: 39.548 ng  
RT: 15.82 min Scan# 2168  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 35.6  | 29.2  | 43.8  |
| 141     | 59.9  | 49.0  | 73.4  |

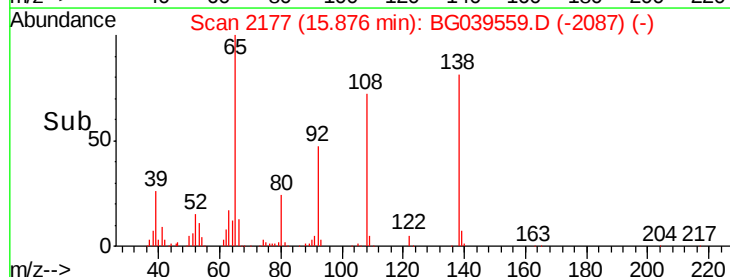
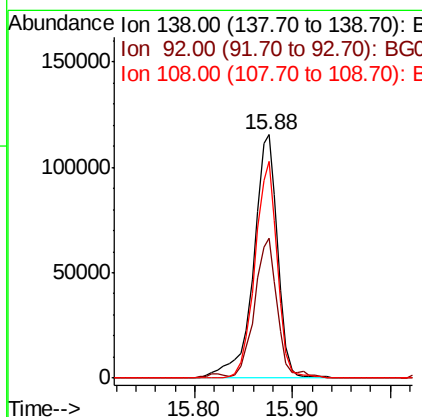
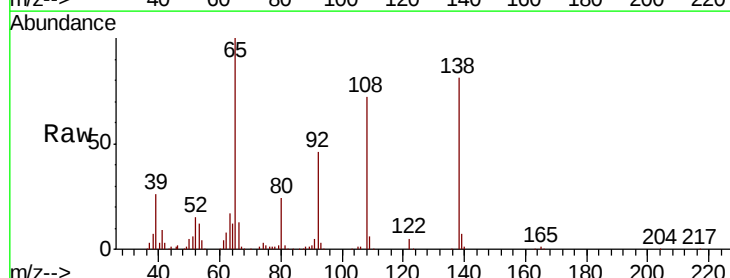
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#62  
4-Nitroaniline  
Concen: 46.392 ng  
RT: 15.88 min Scan# 2177  
Delta R.T. -0.00 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 57.4  | 38.7  | 78.7  |
| 108     | 89.3  | 74.6  | 114.6 |





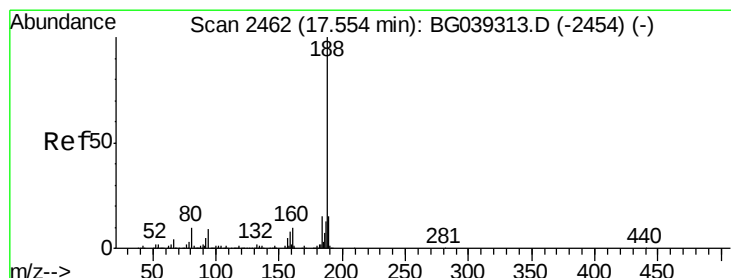
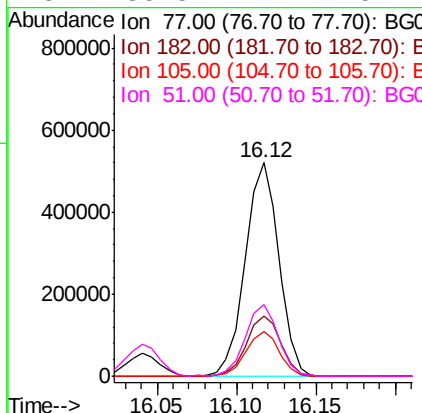
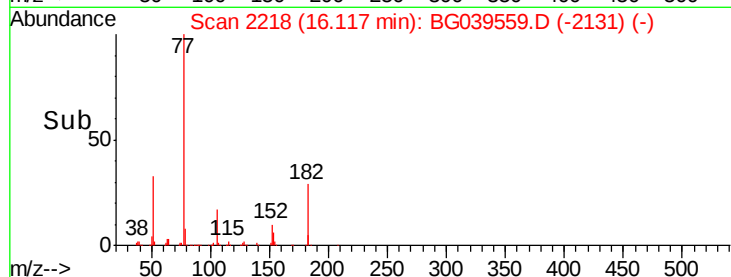
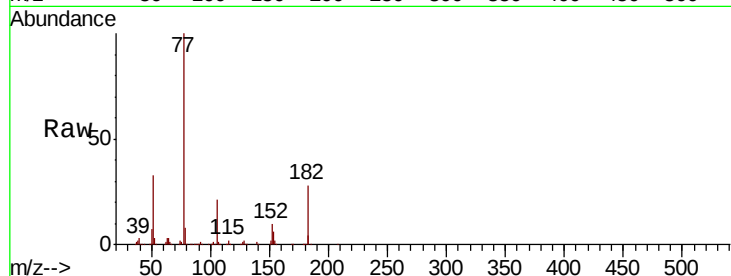
#63  
Azobenzene  
Concen: 36.619 ng  
RT: 16.12 min Scan# 2218  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.4  | 6.4   | 46.4  |
| 105     | 21.1  | 0.0   | 39.8  |
| 51      | 33.5  | 14.1  | 54.1  |

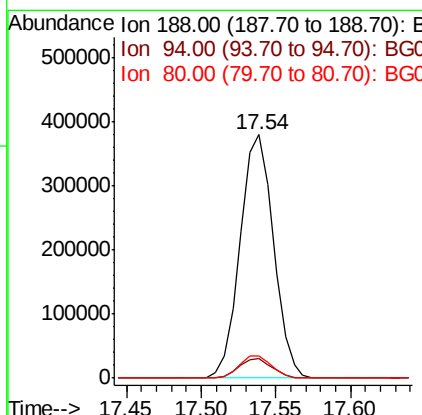
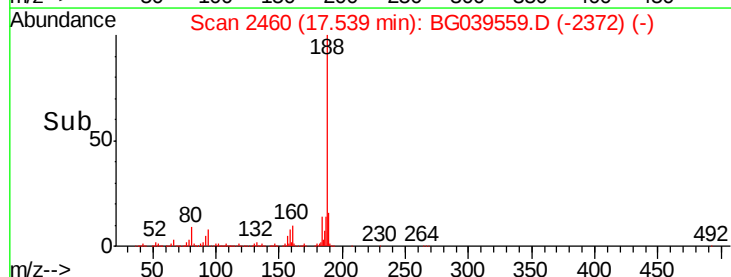
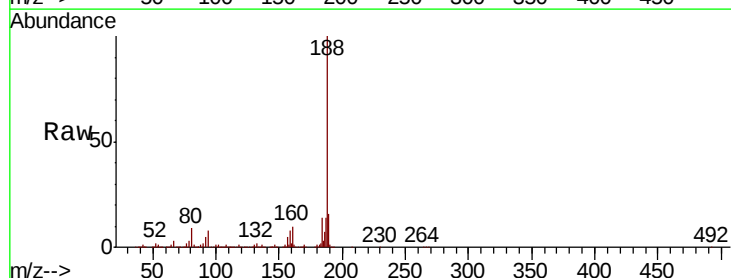
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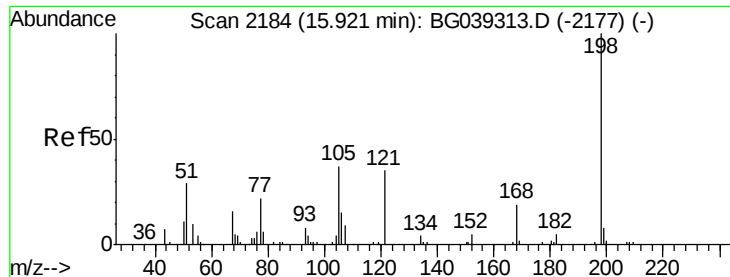
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.54 min Scan# 2460  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 6.9   | 10.3  |
| 80      | 9.1   | 8.1   | 12.1  |





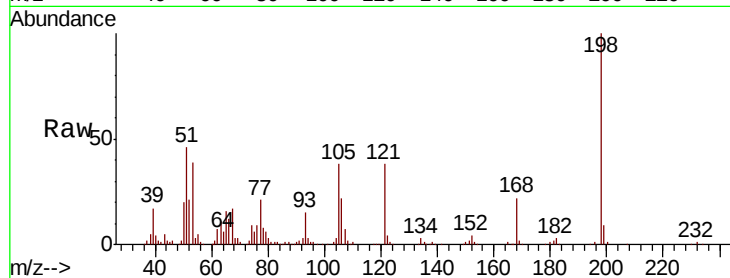
#65  
4,6-Dinitro-2-methylphenol  
Concen: 59.544 ng  
RT: 15.91 min Scan# 2183  
Delta R.T. -0.01 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 198     | 100   | 151159 |       |       |
| 51      | 45.9  |        | 27.4  | 67.4  |
| 105     | 37.6  |        | 19.7  | 59.7  |

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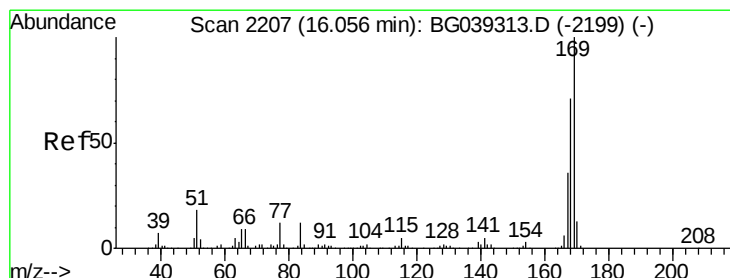
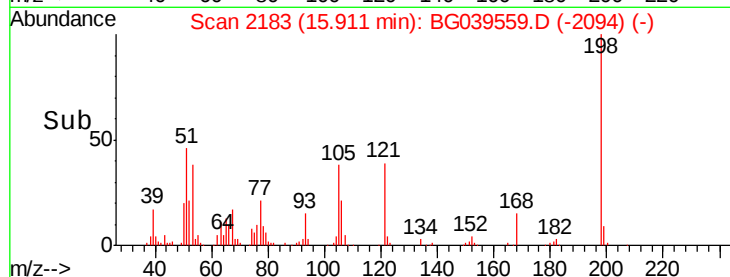
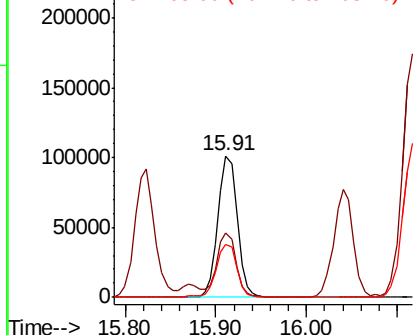


Abundance

Ion 198.00 (197.70 to 198.70): E

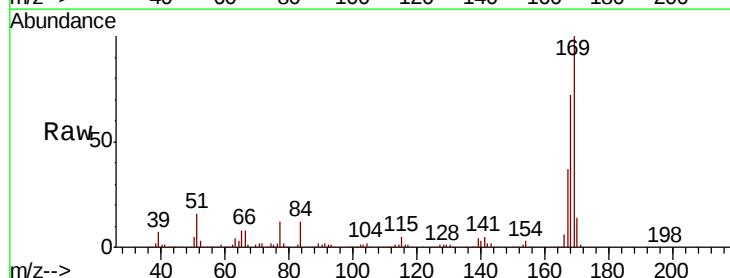
Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#66  
n-Nitrosodiphenylamine  
Concen: 40.853 ng  
RT: 16.04 min Scan# 2205  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 730696 |       |       |
| 168     | 72.0  |        | 56.6  | 85.0  |
| 167     | 37.1  |        | 28.8  | 43.2  |

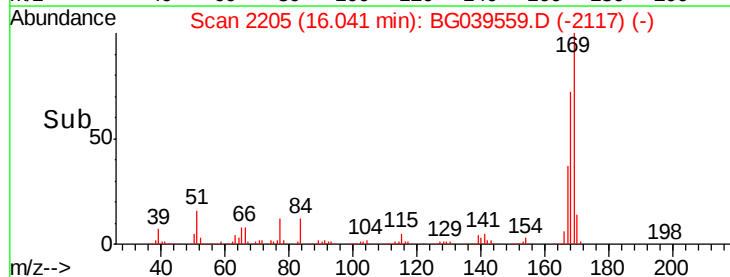
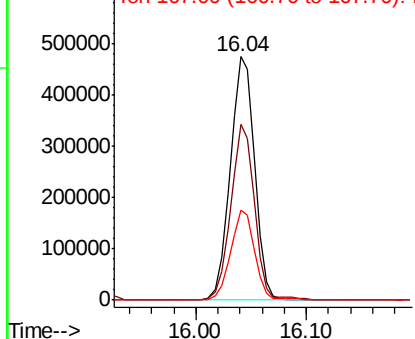


Abundance

Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





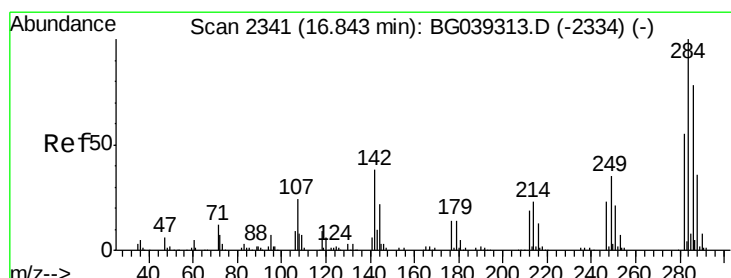
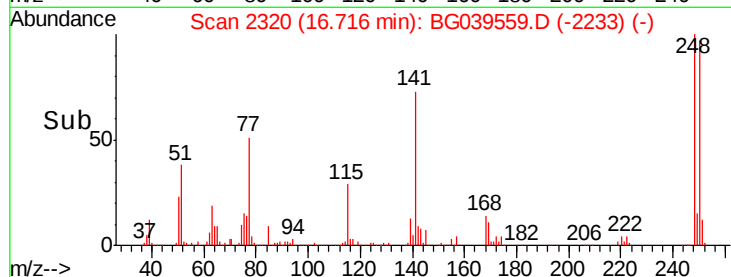
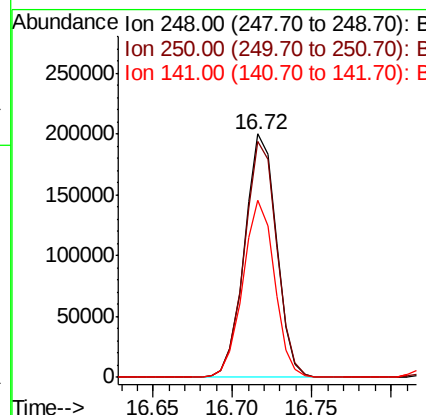
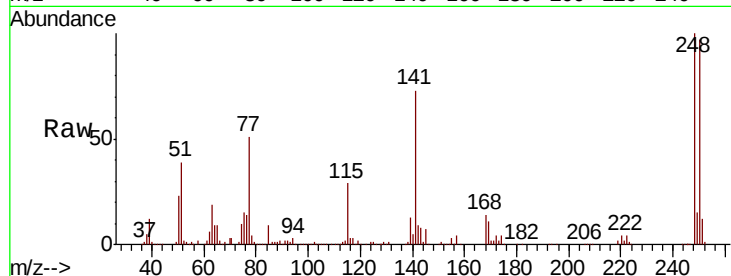
#67  
4-Bromophenyl-phenylether  
Concen: 42.805 ng  
RT: 16.72 min Scan# 2320  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampled :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.1  | 77.6  | 116.4 |
| 141     | 72.6  | 63.9  | 95.9  |

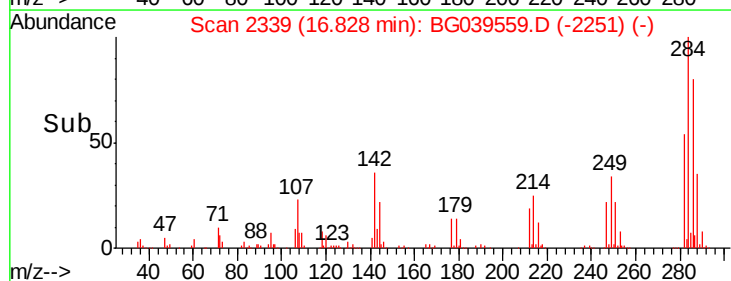
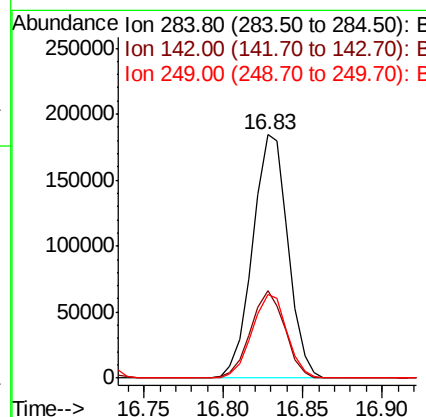
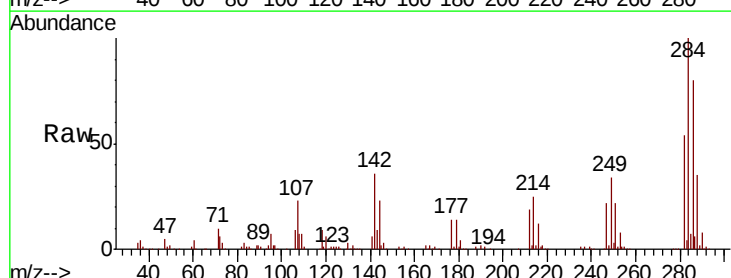
Manual Integrations  
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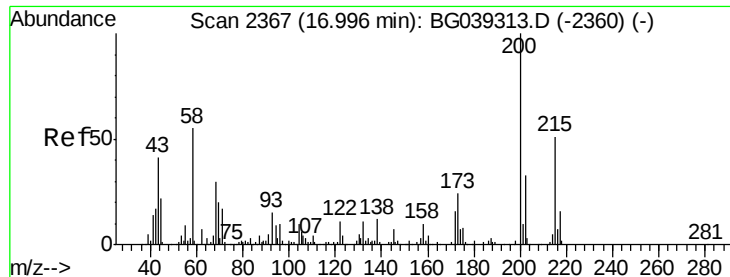
Sohil  
2/20/2019 4:18:38 PM



#68  
Hexachlorobenzene  
Concen: 43.647 ng  
RT: 16.83 min Scan# 2339  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.9  | 30.6  | 45.8  |
| 249     | 34.2  | 28.2  | 42.2  |





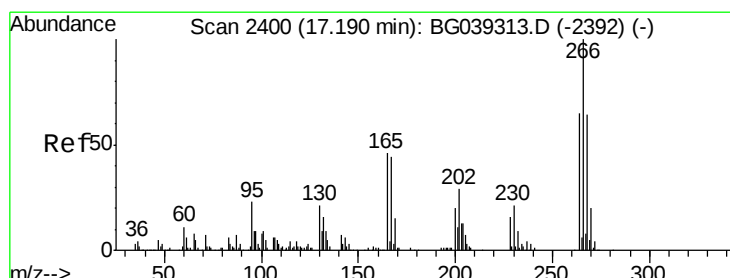
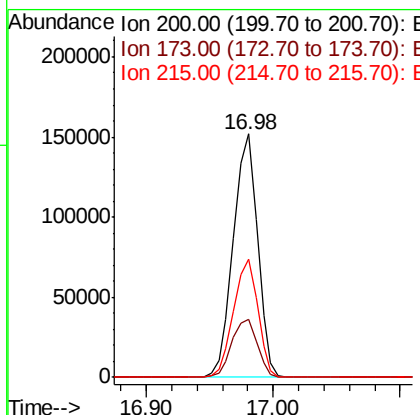
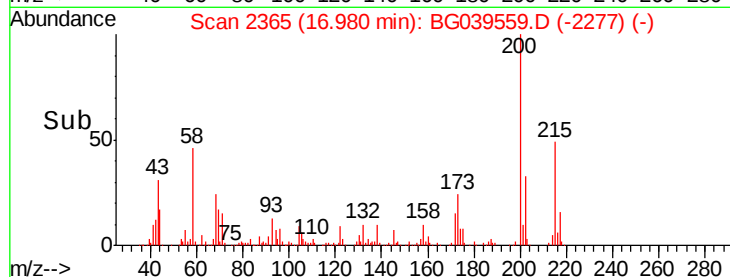
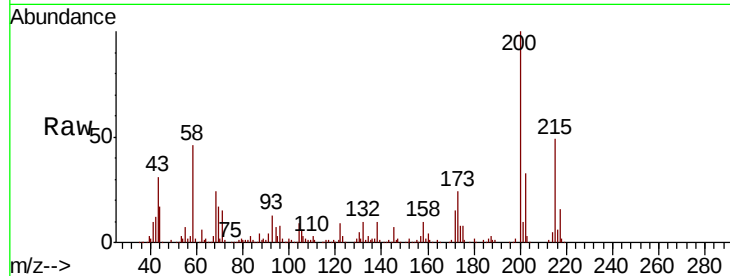
#69  
Atrazine  
Concen: 30.871 ng  
RT: 16.98 min Scan# 2365  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 23.7  | 3.9   | 43.9  |
| 215     | 48.5  | 30.9  | 70.9  |

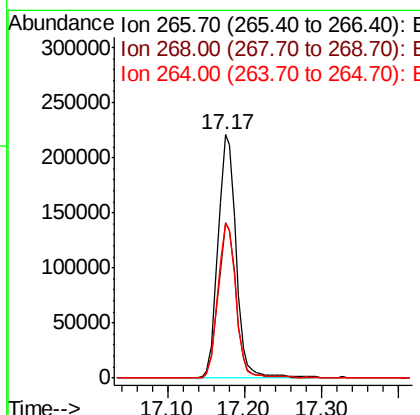
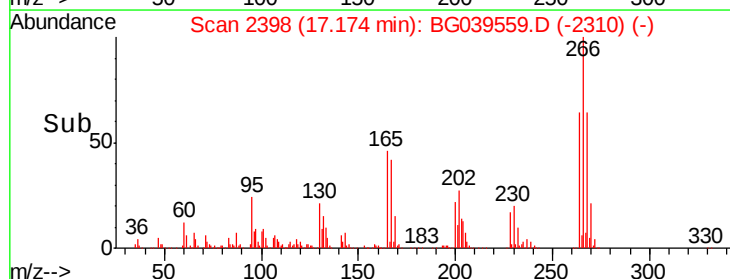
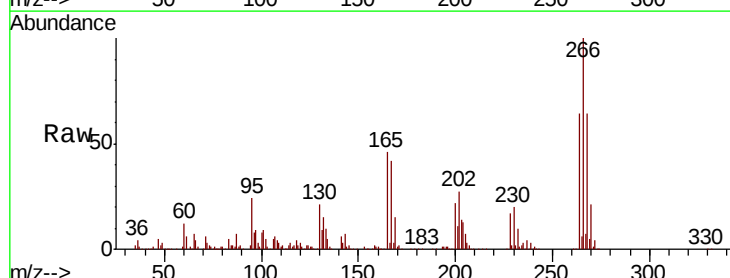
Manual Integrations  
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#70  
Pentachlorophenol  
Concen: 78.884 ng  
RT: 17.17 min Scan# 2398  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.7  | 51.1  | 76.7  |
| 264     | 63.6  | 52.1  | 78.1  |





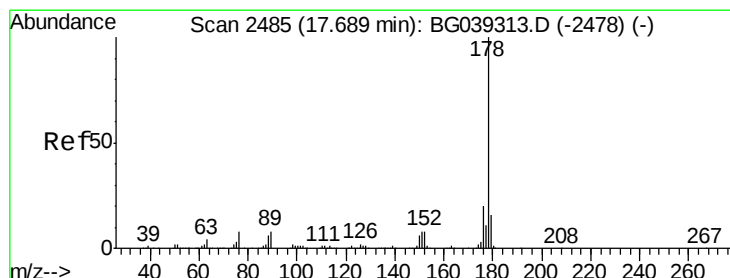
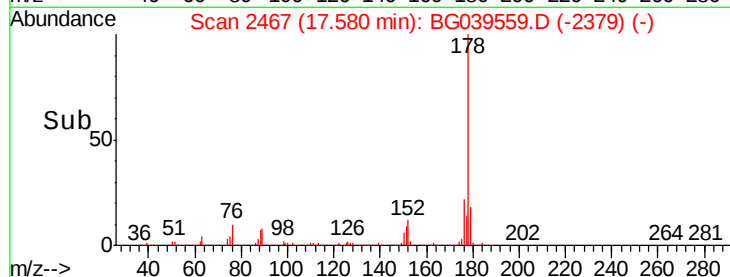
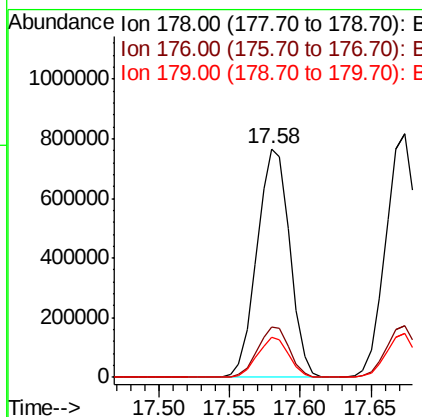
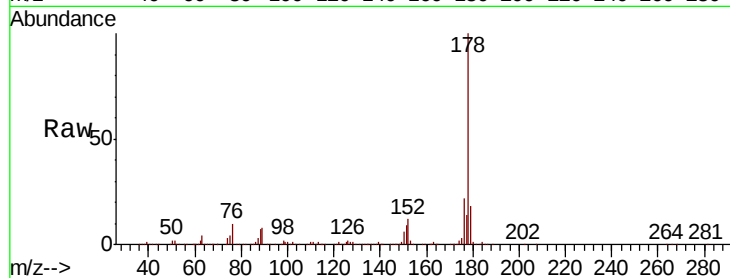
#71  
Phenanthrene  
Concen: 41.085 ng  
RT: 17.58 min Scan# 2467  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleID :  
PB117212BS

Tot Ion:178 Resp: 1250804  
Ion Ratio Lower Upper  
178 100  
176 22.2 16.2 24.4  
179 17.6 12.6 19.0

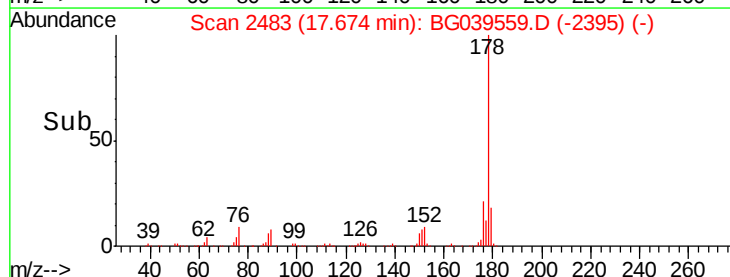
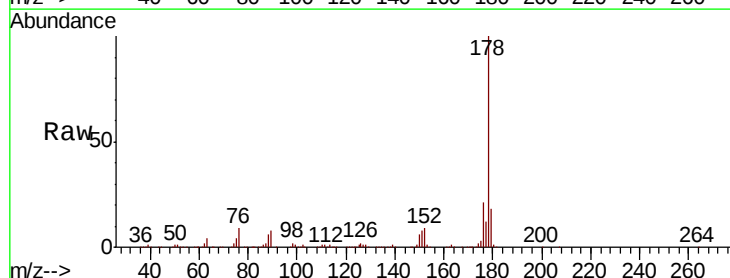
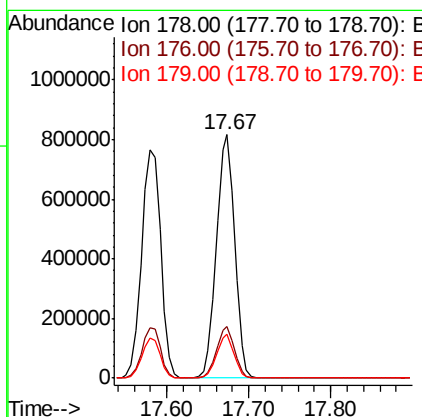
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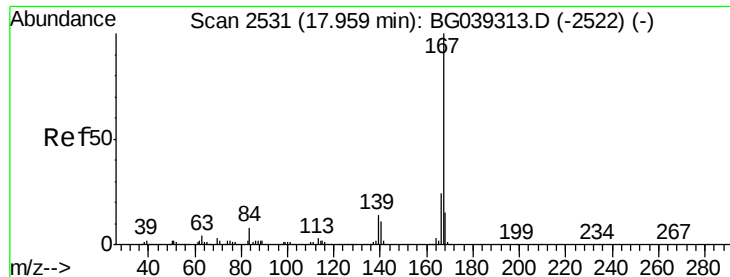
Sohil  
2/20/2019 4:18:38 PM



#72  
Anthracene  
Concen: 42.423 ng  
RT: 17.67 min Scan# 2483  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Tgt Ion:178 Resp: 1272168  
Ion Ratio Lower Upper  
178 100  
176 21.2 15.8 23.6  
179 17.9 12.5 18.7





#73

Carbazole

Concen: 37.152 ng

RT: 17.94 min Scan# 2529

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

ClientSampleId :

PB117212BS

Tot Ion:167 Resp: 1111859

Ion Ratio Lower Upper

167 100

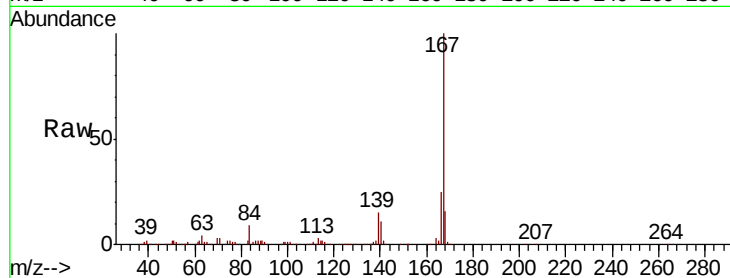
166 24.8 19.4 29.2

139 14.6 10.8 16.2

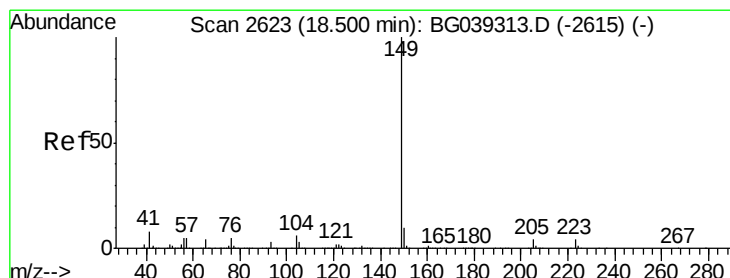
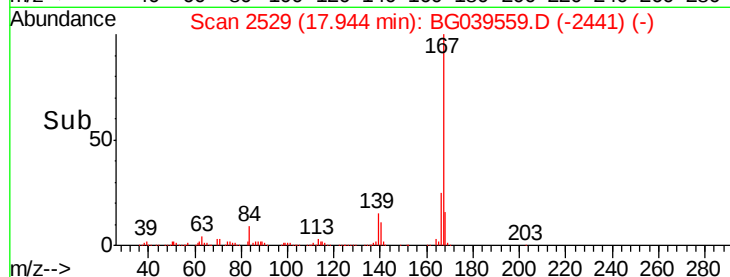
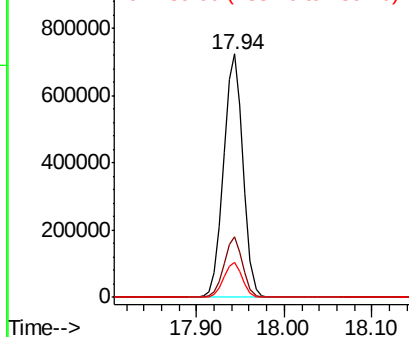
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Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 38.367 ng

RT: 18.47 min Scan# 2619

Delta R.T. -0.03 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

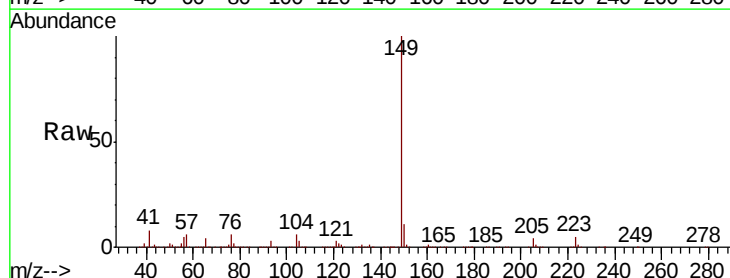
Tgt Ion:149 Resp: 1339574

Ion Ratio Lower Upper

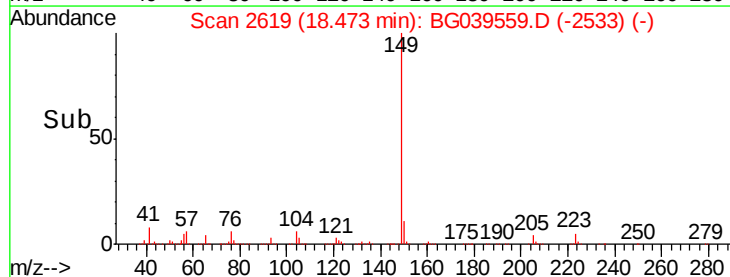
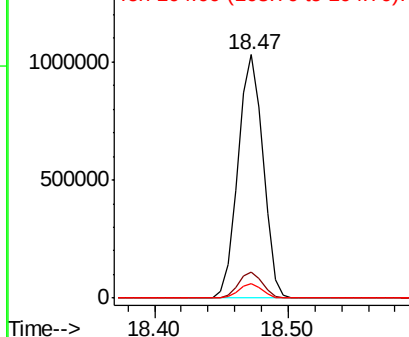
149 100

150 10.8 7.7 11.5

104 5.8 4.5 6.7



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 41.375 ng

RT: 19.58 min Scan# 2807

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

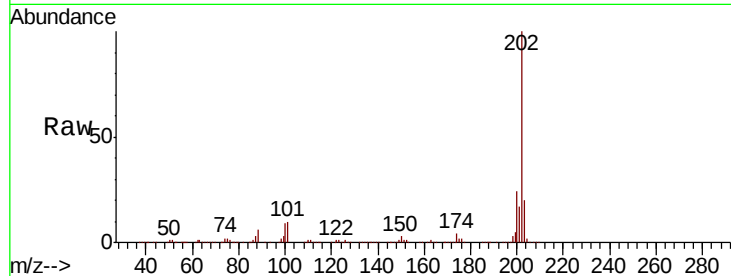
ClientSampleId :

PB117212BS

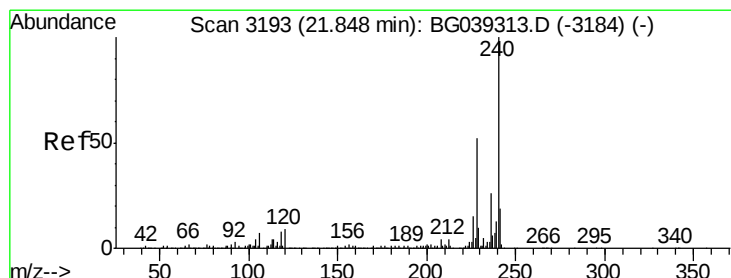
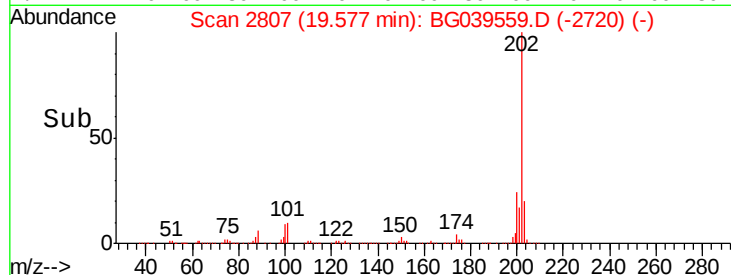
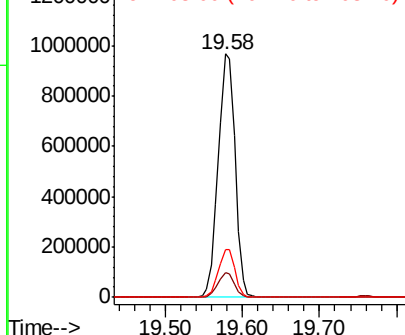
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1462057 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 10.4  | 0.0   | 30.0    |
| 203       | 19.7  | 0.0   | 38.9    |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3190

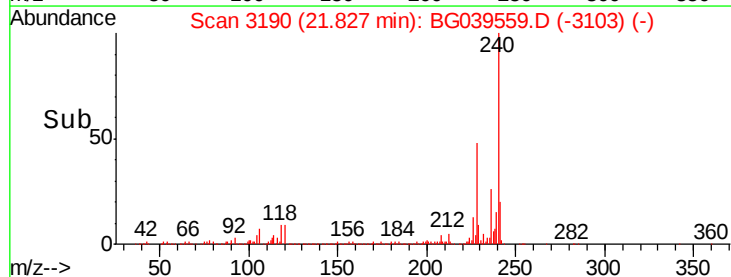
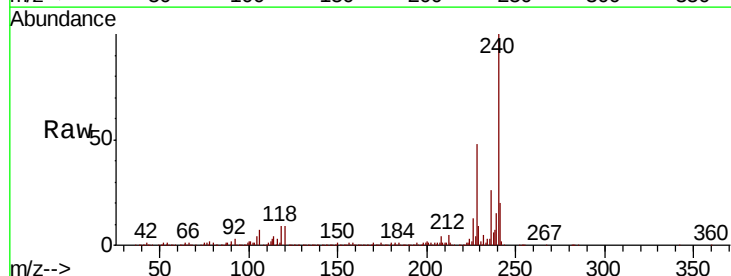
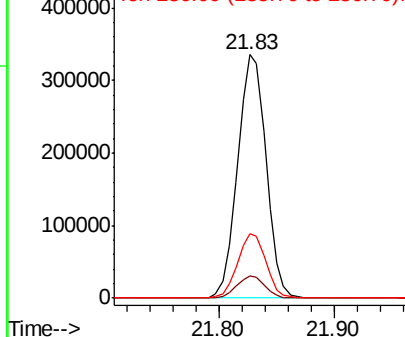
Delta R.T. -0.02 min

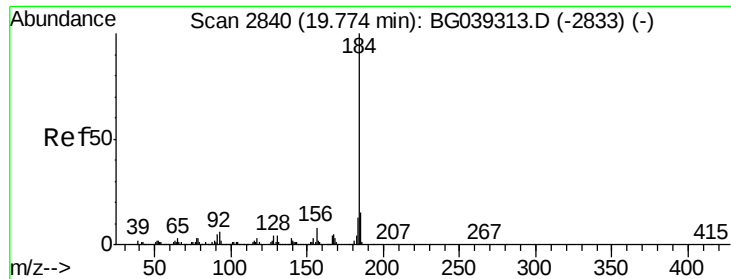
Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 573054 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.3   | 7.0   | 10.6   |
| 236       | 26.3  | 21.0  | 31.4   |

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





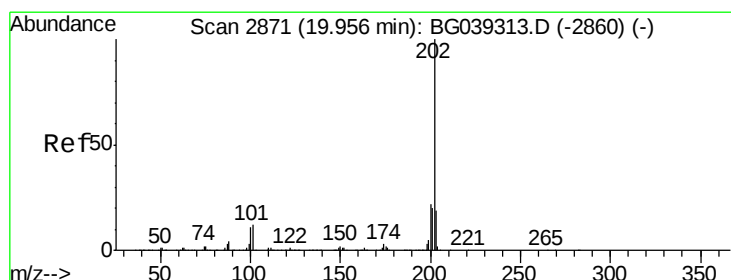
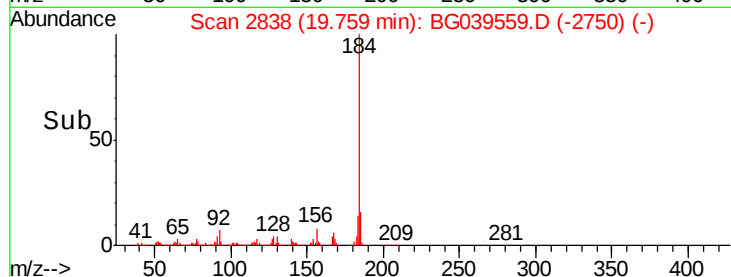
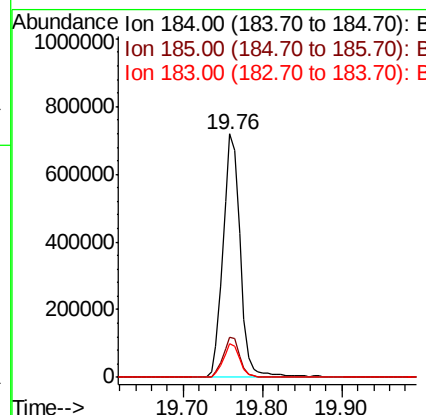
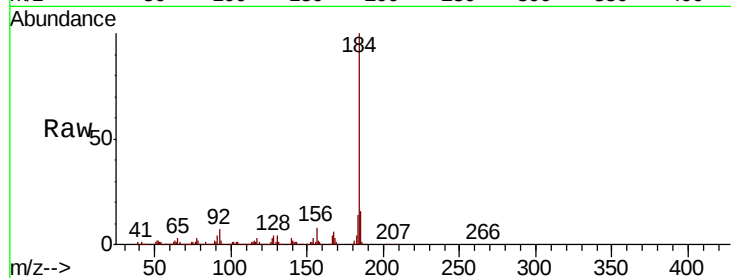
#77  
Benzidine  
Concen: 57.811 ng  
RT: 19.76 min Scan# 2838  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 185     | 16.4  | 12.2  | 18.2  |
| 183     | 13.6  | 10.6  | 15.8  |

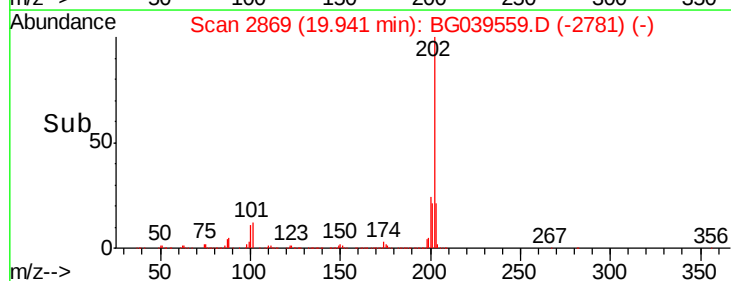
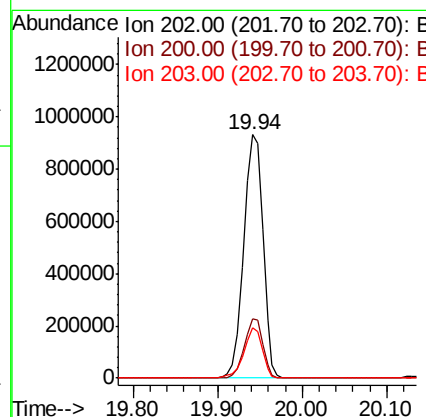
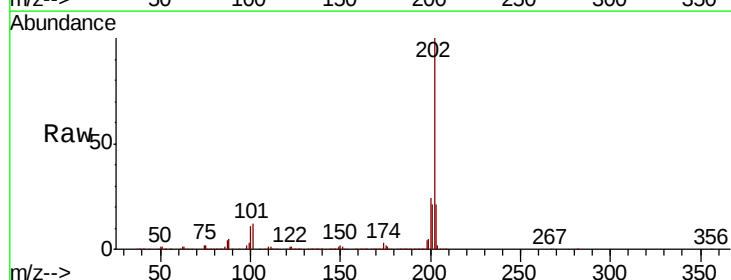
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#78  
Pyrene  
Concen: 40.805 ng  
RT: 19.94 min Scan# 2869  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 24.5  | 17.8  | 26.8  |
| 203     | 20.6  | 15.3  | 22.9  |





#79

Terphenyl-d14

Concen: 68.268 ng

RT: 20.13 min Scan# 2901

Delta R.T. -0.02 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

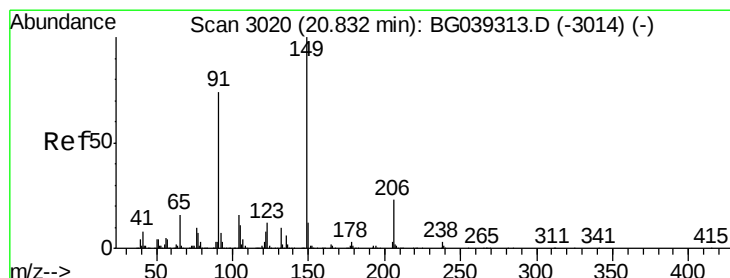
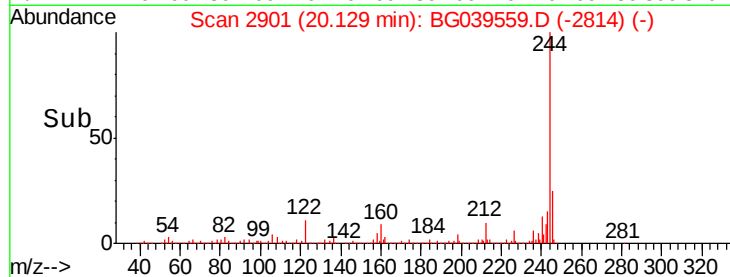
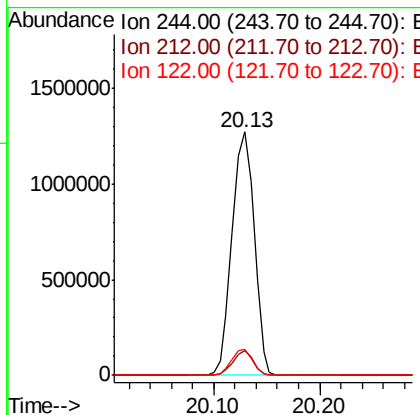
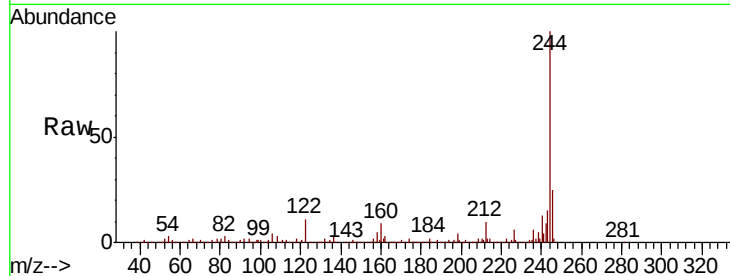
ClientSampleId :

PB117212BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 244   | Resp: | 1848225 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 10.2  | 7.3   | 10.9    |
| 122      | 10.7  | 8.4   | 12.6    |

Manual Integrations  
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#80

Butylbenzylphthalate

Concen: 42.826 ng

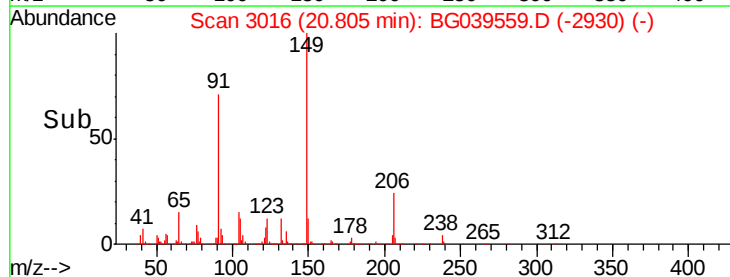
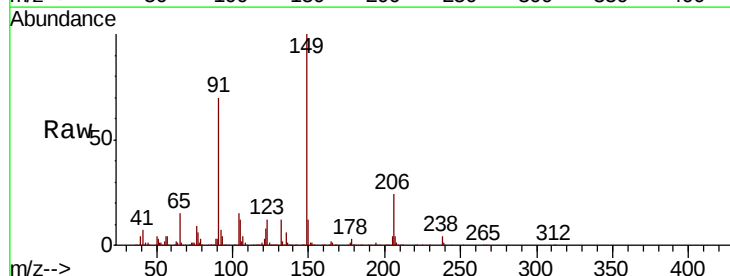
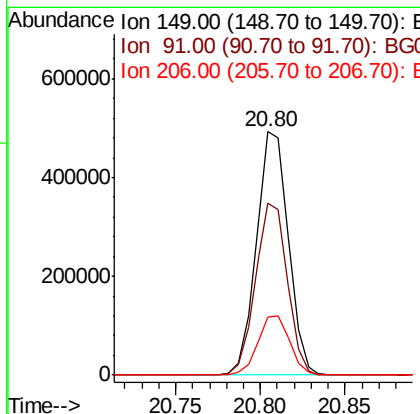
RT: 20.80 min Scan# 3016

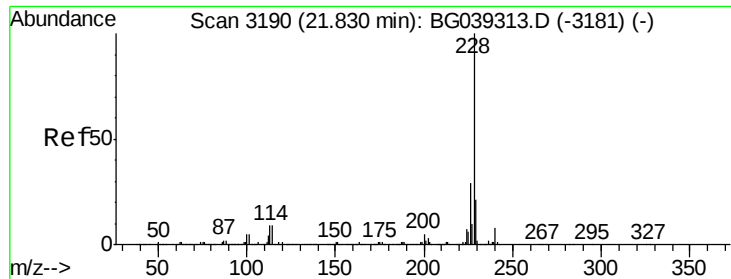
Delta R.T. -0.03 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 644474 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 91       | 70.5  | 59.5  | 89.3   |
| 206      | 24.0  | 18.6  | 27.8   |





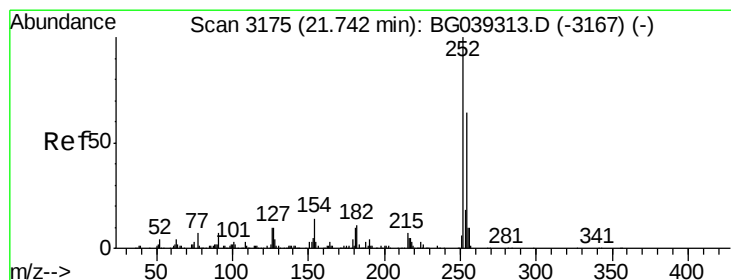
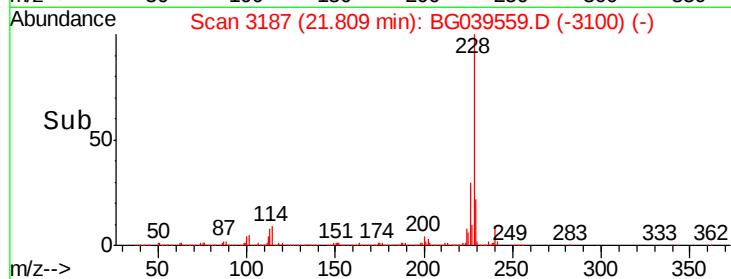
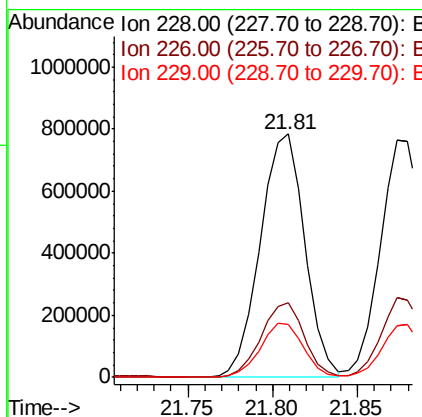
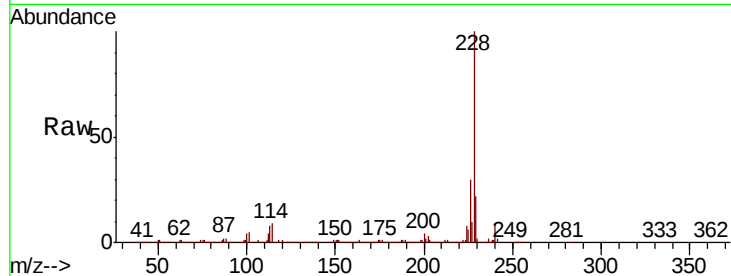
#81  
Benzo(a)anthracene  
Concen: 42.437 ng  
RT: 21.81 min Scan# 3187  
Delta R.T. -0.02 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 23.0  | 34.6  |
| 229     | 21.8  | 16.9  | 25.3  |

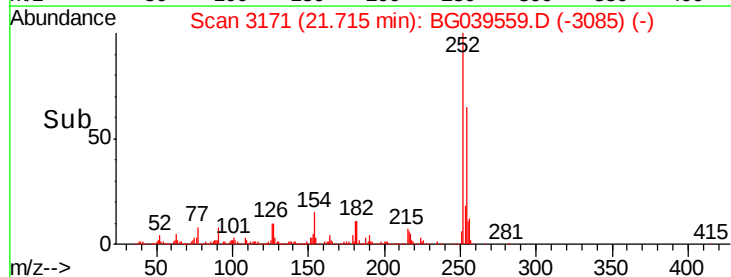
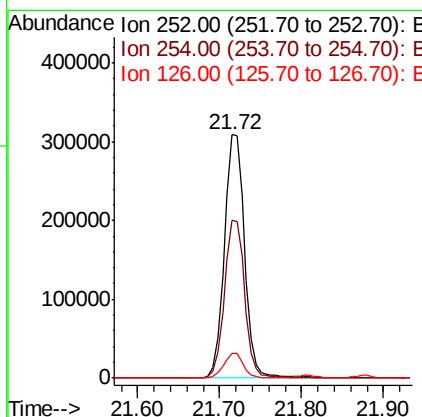
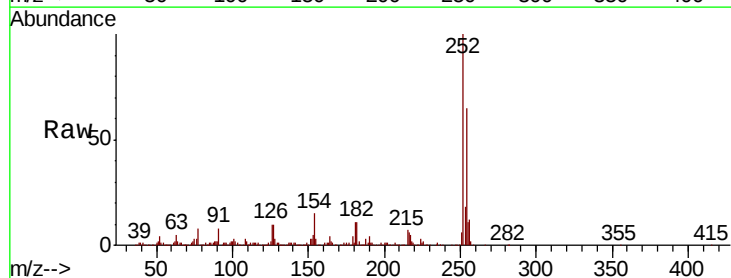
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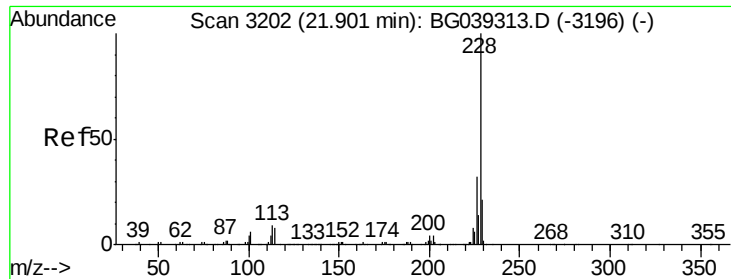
Sohil  
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#82  
3,3'-Dichlorobenzidine  
Concen: 42.283 ng  
RT: 21.72 min Scan# 3171  
Delta R.T. -0.03 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 64.9  | 51.3  | 76.9  |
| 126     | 10.2  | 8.0   | 12.0  |





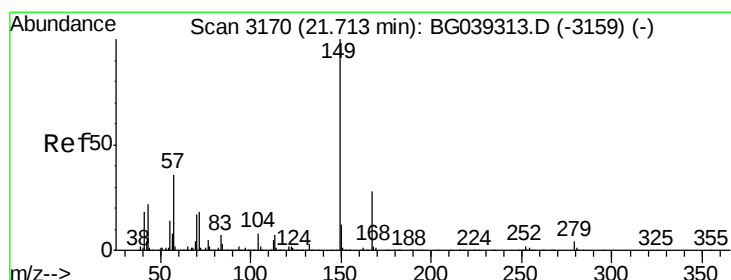
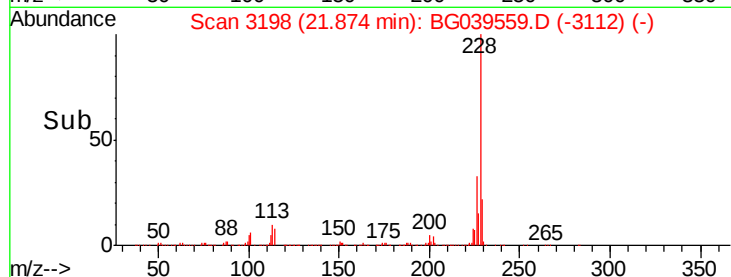
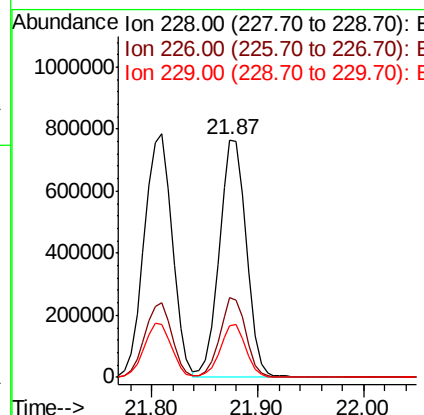
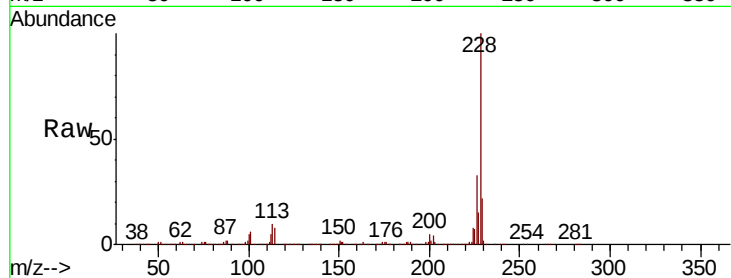
#83  
 Chrysene  
 Concen: 42.369 ng  
 RT: 21.87 min Scan# 3198  
 Delta R.T. -0.03 min  
 Lab File: BG039559.D  
 Acq: 19 Feb 2019 17:44

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB117212BS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 228     | 100  |       |       |       |
| 226     | 33.4 | 25.8  | 38.6  |       |
| 229     | 21.8 | 16.6  | 25.0  |       |

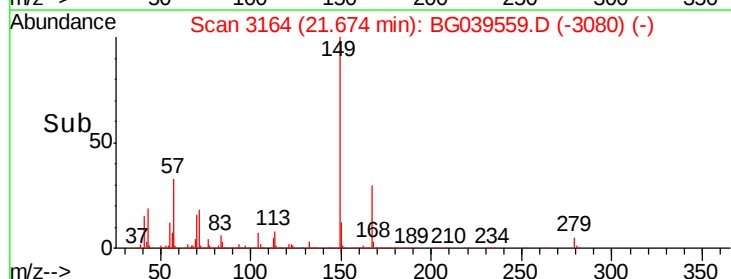
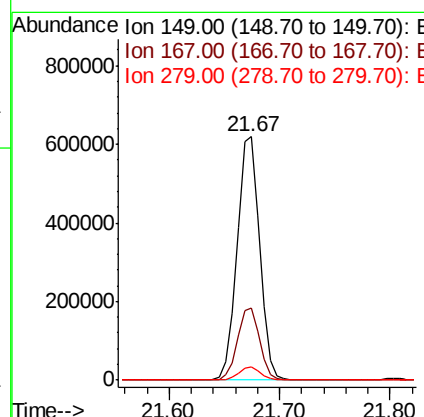
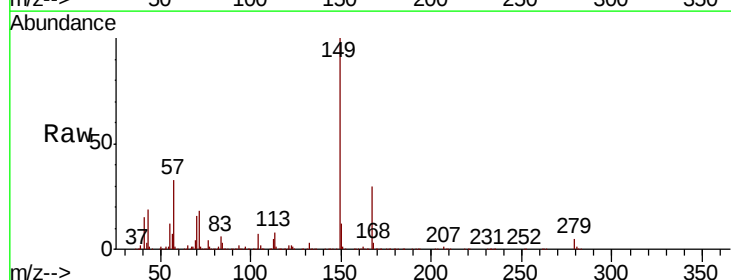
Manual Integrations  
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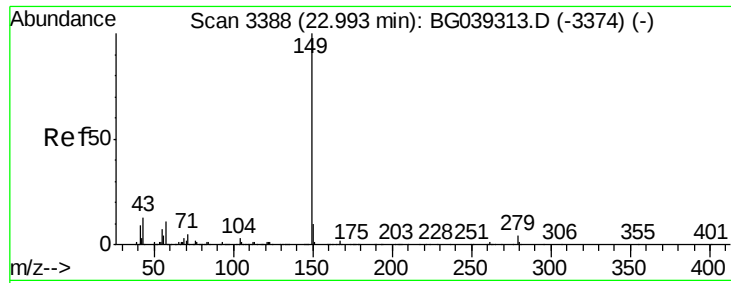
Sohil  
 2/20/2019 4:18:38 PM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.367 ng  
 RT: 21.67 min Scan# 3164  
 Delta R.T. -0.04 min  
 Lab File: BG039559.D  
 Acq: 19 Feb 2019 17:44

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 149     | 100  |       |       |       |
| 167     | 29.6 | 22.6  | 34.0  |       |
| 279     | 5.5  | 3.5   | 5.3#  |       |





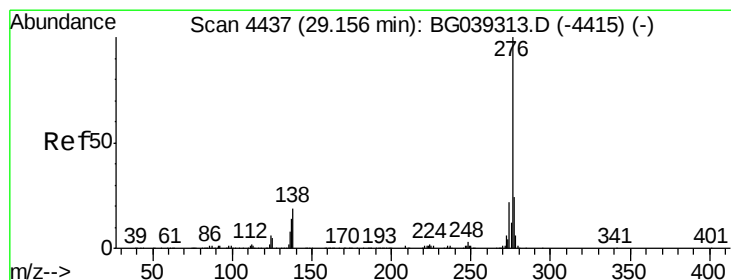
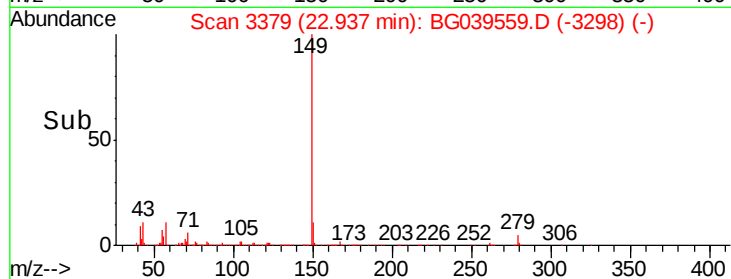
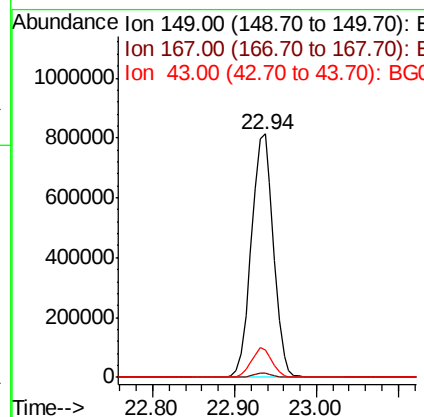
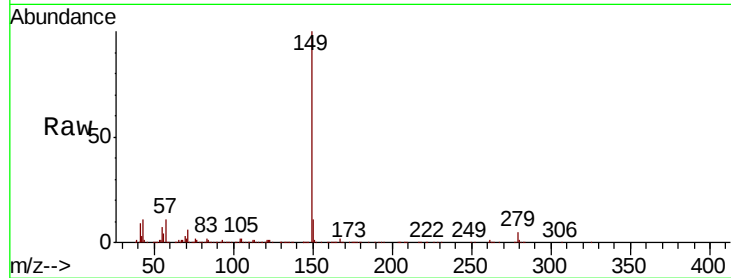
#85  
Di-n-octyl phthalate  
Concen: 42.869 ng  
RT: 22.94 min Scan# 3379  
Delta R.T. -0.06 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

Tot Ion:149 Resp: 1520508  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 11.4 10.2 15.4

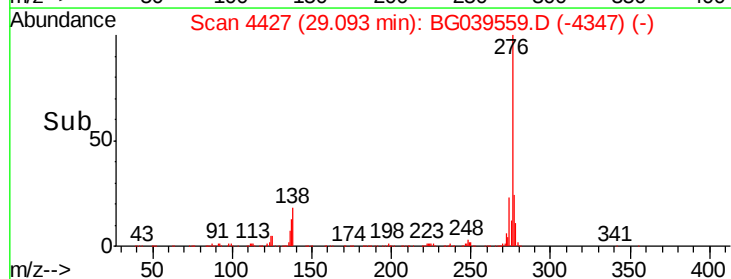
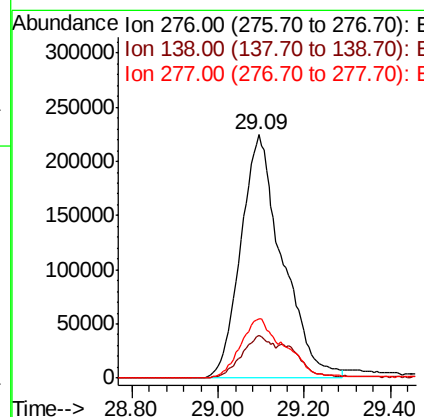
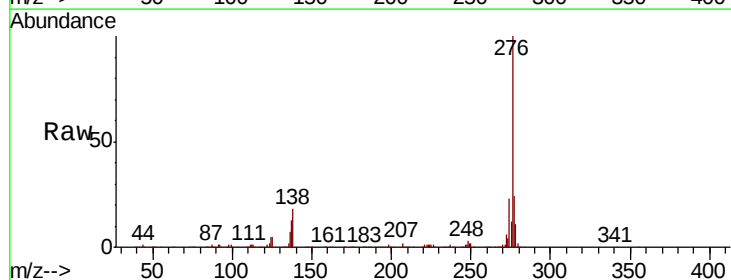
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 43.909 ng  
RT: 29.09 min Scan# 4427  
Delta R.T. -0.06 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Tgt Ion:276 Resp: 1518558  
Ion Ratio Lower Upper  
276 100  
138 13.1 12.6 19.0  
277 25.8 20.8 31.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.20 min Scan# 3765

Delta R.T. -0.04 min

Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

Instrument :

BNA\_G

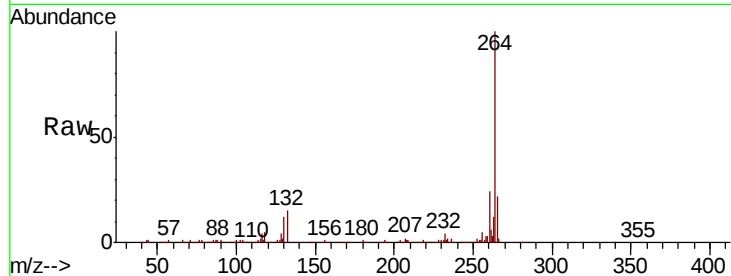
ClientSampled :

PB117212BS

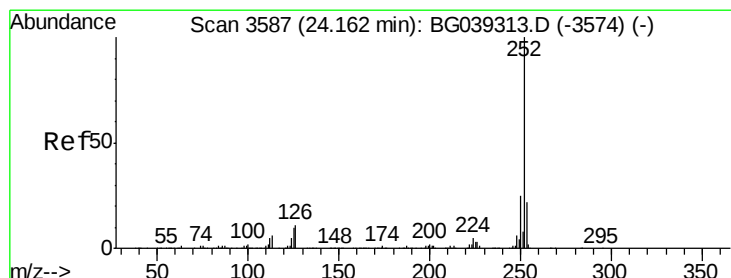
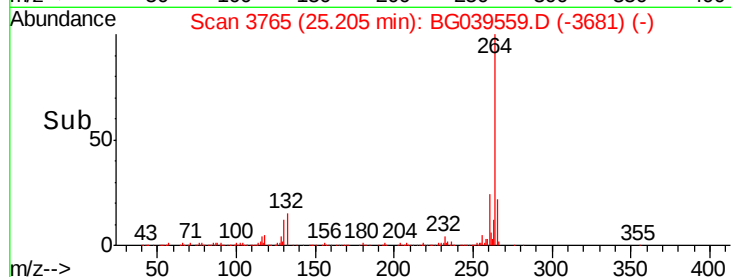
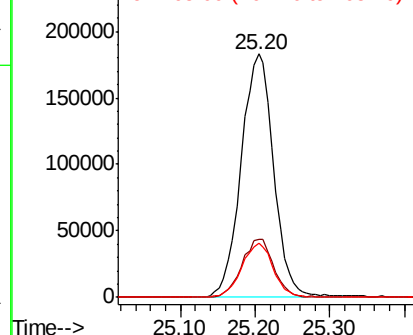
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 552256 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.9  | 18.2  | 27.4   |
| 265       | 22.3  | 18.5  | 27.7   |

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



#88

Benzo(b)fluoranthene

Concen: 48.008 ng

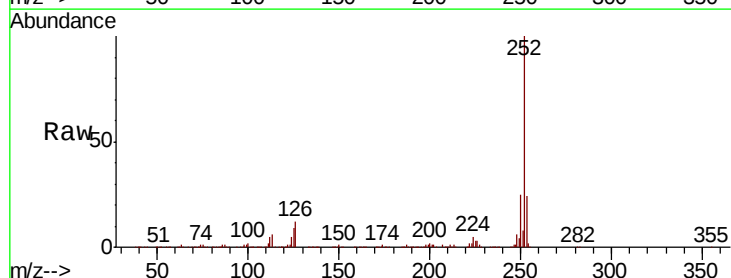
RT: 24.12 min Scan# 3581

Delta R.T. -0.04 min

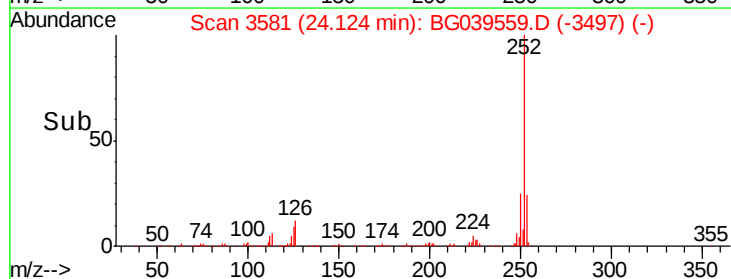
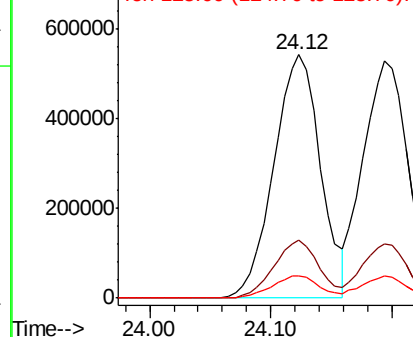
Lab File: BG039559.D

Acq: 19 Feb 2019 17:44

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1445883 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 23.8  | 17.8  | 26.8    |
| 125       | 9.1   | 7.8   | 11.6    |



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





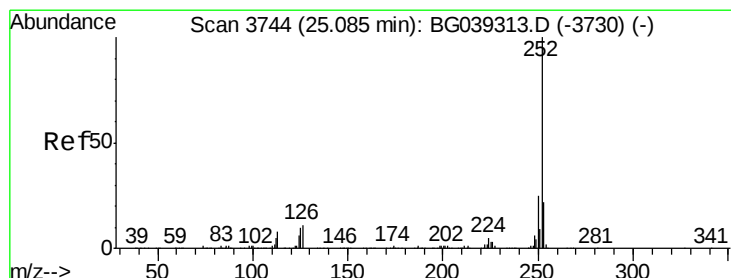
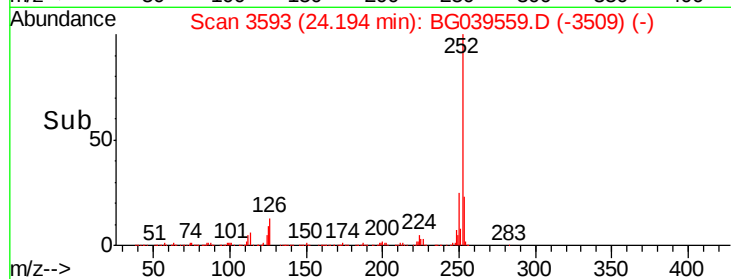
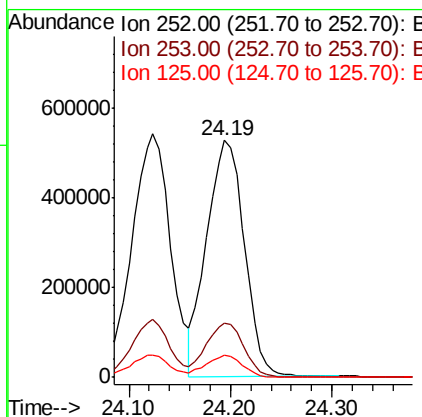
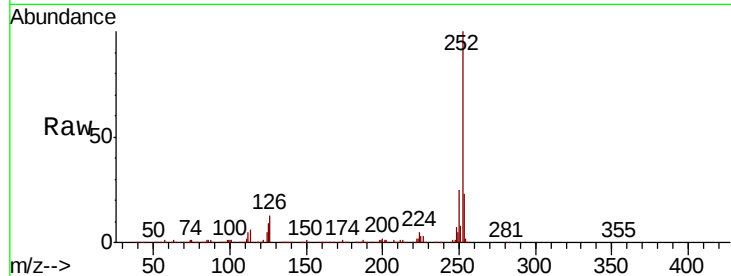
#89  
Benzo(k)fluoranthene  
Concen: 44.798 ng  
RT: 24.19 min Scan# 3593  
Delta R.T. -0.04 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 18.2  | 27.2  |
| 125     | 9.1   | 7.4   | 11.2  |

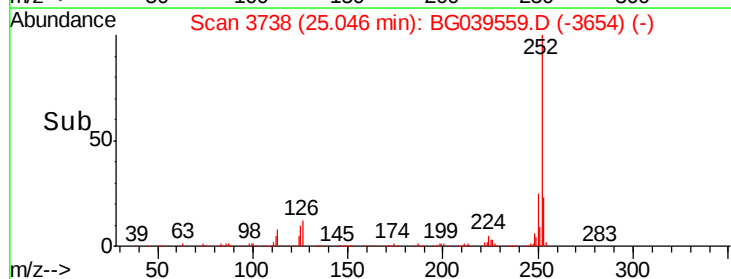
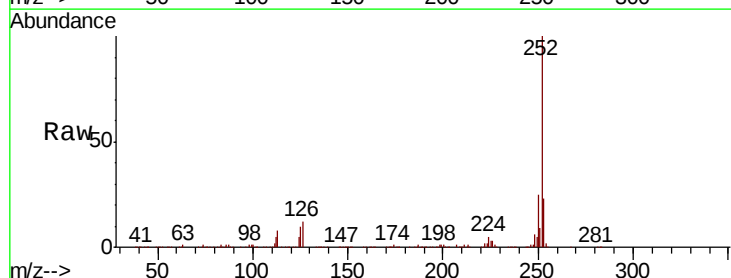
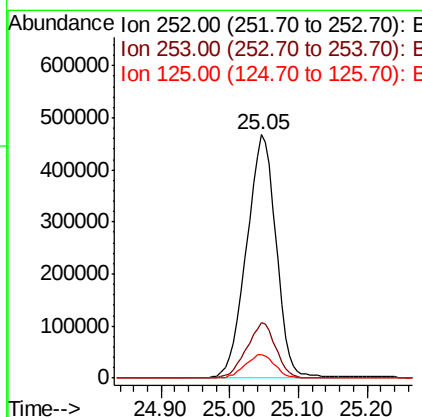
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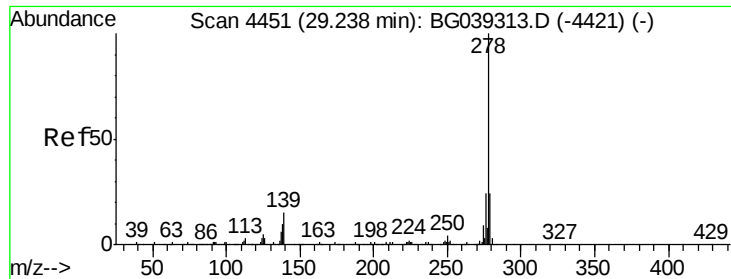
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#90  
Benzo(a)pyrene  
Concen: 48.330 ng  
RT: 25.05 min Scan# 3738  
Delta R.T. -0.04 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.7  | 17.9  | 26.9  |
| 125     | 9.7   | 8.3   | 12.5  |





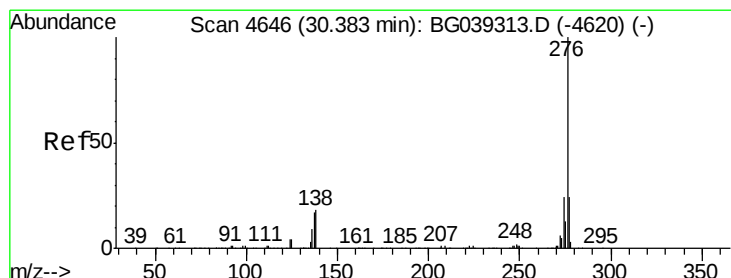
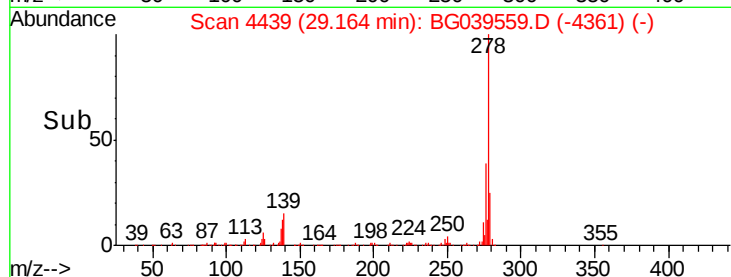
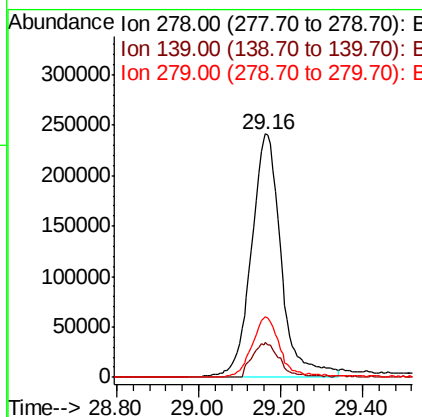
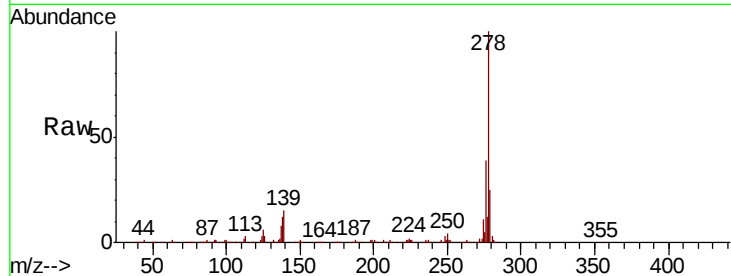
#91  
Dibenzo(a,h)anthracene  
Concen: 44.979 ng  
RT: 29.16 min Scan# 4439  
Delta R.T. -0.07 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

Instrument :  
BNA\_G  
ClientSampleId :  
PB117212BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.6  | 11.7  | 17.5  |
| 279     | 24.7  | 19.1  | 28.7  |

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#92  
Benzo(g,h,i)perylene  
Concen: 45.184 ng  
RT: 30.32 min Scan# 4635  
Delta R.T. -0.07 min  
Lab File: BG039559.D  
Acq: 19 Feb 2019 17:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.6  | 19.6  | 29.4  |
| 138     | 17.2  | 14.7  | 22.1  |

