

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\  
 Data File : BG033248.D  
 Acq On : 19 Mar 2018 20:20  
 Operator : SJ/JU  
 Sample : PB107449BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

Manual Integrations  
 APPROVED

Sohil  
 3/20/2018 6:29:40 PM

Quant Time: Mar 20 11:53:18 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 19 16:48:53 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.89  | 152  | 38458    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.78 | 136  | 163216   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 15.51 | 164  | 126650   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 18.24 | 188  | 320501   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 22.60 | 240  | 322351   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 26.40 | 264  | 340345   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 6.31  | 112 | 219818  | 107.18 | ng | 0.00 |
| 7) Phenol-d6             | 8.00  | 99  | 340003  | 96.48  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 10.10 | 82  | 322110  | 90.67  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.98 | 330 | 180130  | 95.10  | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 14.14 | 172 | 812174  | 92.58  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.76 | 244 | 1345090 | 89.24  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.94  | 88  | 35808   | 34.379 | ng | 91     |
| 3) Pyridine                    | 4.41  | 79  | 98758m  | 34.300 | ng |        |
| 4) n-Nitrosodimethylamine      | 4.32  | 42  | 52343   | 44.299 | ng | # 78   |
| 6) Aniline                     | 8.19  | 93  | 72343   | 17.457 | ng | 94     |
| 8) 2-Chlorophenol              | 8.44  | 128 | 113264  | 48.307 | ng | 96     |
| 9) Benzaldehyde                | 8.00  | 77  | 39715   | 17.734 | ng | 89     |
| 10) Phenol                     | 8.03  | 94  | 170482  | 48.999 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 8.28  | 93  | 108285  | 38.130 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 8.77  | 146 | 118854  | 38.772 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.93  | 146 | 118728  | 38.674 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 9.26  | 146 | 117851  | 39.332 | ng | 99     |
| 15) Benzyl Alcohol             | 9.13  | 79  | 126991  | 45.770 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 9.41  | 45  | 186442  | 40.272 | ng | 89     |
| 17) 2-Methylphenol             | 9.33  | 107 | 111047m | 46.852 | ng |        |
| 18) Hexachloroethane           | 10.01 | 117 | 47225   | 39.857 | ng | 89     |
| 19) n-Nitroso-di-n-propylamine | 9.70  | 70  | 103214  | 39.971 | ng | 99     |
| 20) 3+4-Methylphenols          | 9.66  | 107 | 148706  | 44.065 | ng | 85     |
| 22) Acetophenone               | 9.73  | 105 | 186017  | 41.600 | ng | # 98   |
| 24) Nitrobenzene               | 10.14 | 77  | 160444  | 42.195 | ng | # 87   |
| 25) Isophorone                 | 10.66 | 82  | 312161  | 45.274 | ng | 99     |
| 26) 2-Nitrophenol              | 10.87 | 139 | 68084   | 47.294 | ng | # 79   |
| 27) 2,4-Dimethylphenol         | 10.90 | 122 | 113372  | 54.211 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 11.14 | 93  | 164995  | 47.961 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 11.41 | 162 | 135892  | 52.837 | ng | 90     |
| 30) 1,2,4-Trichlorobenzene     | 11.63 | 180 | 133535  | 39.963 | ng | 95     |
| 31) Naphthalene                | 11.83 | 128 | 360251  | 42.593 | ng | 99     |
| 32) Benzoic acid               | 11.02 | 122 | 84446m  | 43.437 | ng |        |
| 33) 4-Chloroaniline            | 11.93 | 127 | 62350   | 16.454 | ng | 98     |
| 34) Hexachlorobutadiene        | 12.09 | 225 | 98451   | 38.961 | ng | 95     |
| 35) Caprolactam                | 12.67 | 113 | 47279   | 46.924 | ng | 88     |
| 36) 4-Chloro-3-methylphenol    | 12.99 | 107 | 165346  | 49.292 | ng | 96     |
| 37) 2-Methylnaphthalene        | 13.38 | 142 | 291997  | 44.479 | ng | 93     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.73 | 216 | 193887  | 42.263 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 13.70 | 237 | 264465  | 98.337 | ng | 94     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031918\  
 Data File : BG033248.D  
 Acq On : 19 Mar 2018 20:20  
 Operator : SJ/JU  
 Sample : PB107449BSD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

Manual Integrations  
 APPROVED

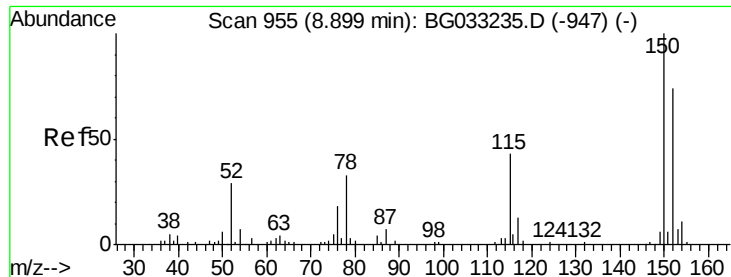
Sohil  
 3/20/2018 6:29:40 PM

Quant Time: Mar 20 11:53:18 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 19 16:48:53 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.96 | 196  | 123596   | 46.370  | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 14.03 | 196  | 150875   | 47.889  | nq    | 98       |
| 45) 1,1'-Biphenyl              | 14.35 | 154  | 407733   | 41.904  | nq    | 96       |
| 46) 2-Chloronaphthalene        | 14.41 | 162  | 319104   | 42.533  | nq    | 95       |
| 47) 2-Nitroaniline             | 14.60 | 65   | 132906   | 47.296  | nq    | 96       |
| 48) Acenaphthylene             | 15.24 | 152  | 527193   | 42.098  | nq    | 99       |
| 49) Dimethylphthalate          | 14.94 | 163  | 471568   | 42.784  | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 15.07 | 165  | 102894   | 45.656  | nq    | 100      |
| 51) Acenaphthene               | 15.57 | 154  | 400099   | 49.561  | nq    | 97       |
| 52) 3-Nitroaniline             | 15.41 | 138  | 53659    | 22.710  | nq    | # 94     |
| 53) 2,4-Dinitrophenol          | 15.60 | 184  | 127941   | 106.794 | nq    | # 82     |
| 54) Dibenzofuran               | 15.91 | 168  | 528086   | 44.285  | nq    | 92       |
| 55) 4-Nitrophenol              | 15.68 | 139  | 165062   | 99.349  | nq    | # 87     |
| 56) 2,4-Dinitrotoluene         | 15.85 | 165  | 150284   | 45.289  | nq    | 92       |
| 57) Fluorene                   | 16.55 | 166  | 438626   | 43.176  | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 16.12 | 232  | 148245   | 49.982  | nq    | 96       |
| 59) Diethylphthalate           | 16.27 | 149  | 457961   | 42.790  | nq    | 98       |
| 60) 4-Chlorophenyl-phenylether | 16.52 | 204  | 252650   | 43.263  | nq    | 96       |
| 61) 4-Nitroaniline             | 16.56 | 138  | 90178    | 37.689  | nq    | 88       |
| 62) Azobenzene                 | 16.81 | 77   | 460294   | 44.398  | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 16.61 | 198  | 84728    | 44.191  | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 16.73 | 169  | 405004   | 44.263  | nq    | 96       |
| 66) 4-Bromophenyl-phenylether  | 17.41 | 248  | 168509   | 44.769  | nq    | 93       |
| 67) Hexachlorobenzene          | 17.54 | 284  | 169291   | 42.617  | nq    | 96       |
| 68) Atrazine                   | 17.65 | 200  | 162602   | 43.855  | nq    | 98       |
| 69) Pentachlorophenol          | 17.88 | 266  | 230055   | 84.379  | nq    | 97       |
| 70) Phenanthrene               | 18.28 | 178  | 733393   | 43.938  | nq    | 99       |
| 71) Anthracene                 | 18.38 | 178  | 755852   | 44.723  | nq    | 100      |
| 72) Carbazole                  | 18.63 | 167  | 652436   | 43.564  | nq    | 97       |
| 73) Di-n-butylphthalate        | 19.12 | 149  | 747639   | 42.889  | nq    | # 98     |
| 74) Fluoranthene               | 20.24 | 202  | 913800   | 44.240  | nq    | 97       |
| 76) Benzidine                  | 20.40 | 184  | 220426m  | 25.216  | nq    |          |
| 77) Pyrene                     | 20.59 | 202  | 933219   | 43.408  | nq    | 98       |
| 79) Butylbenzylphthalate       | 21.45 | 149  | 345496   | 43.549  | nq    | 99       |
| 80) Benzo(a)anthracene         | 22.58 | 228  | 906686   | 44.173  | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 22.46 | 252  | 201385   | 27.571  | nq    | 99       |
| 82) Chrysene                   | 22.65 | 228  | 851964   | 42.879  | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 22.39 | 149  | 464127   | 42.438  | nq    | 98       |
| 84) Di-n-octyl phthalate       | 23.80 | 149  | 779330   | 46.541  | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 30.81 | 276  | 987779   | 45.981  | nq    | # 87     |
| 87) Benzo(b)fluoranthene       | 25.17 | 252  | 886438   | 45.081  | nq    | # 96     |
| 88) Benzo(k)fluoranthene       | 25.25 | 252  | 864901   | 43.490  | nq    | # 97     |
| 89) Benzo(a)pyrene             | 26.21 | 252  | 871384   | 46.146  | nq    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 30.88 | 278  | 821866   | 46.205  | nq    | # 97     |
| 91) Benzo(g,h,i)perylene       | 32.19 | 276  | 824750   | 46.824  | nq    | # 93     |

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





#1

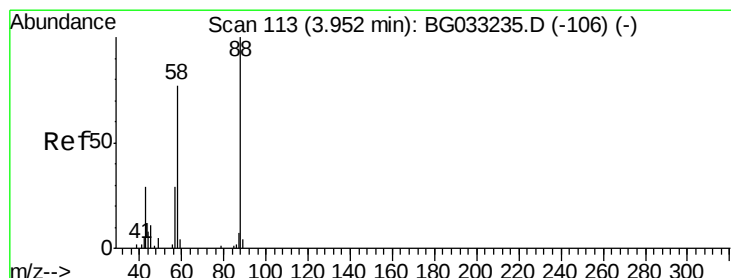
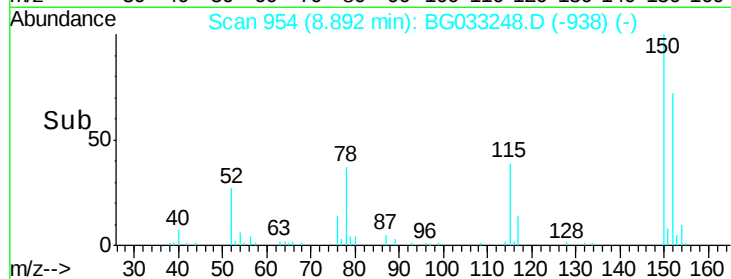
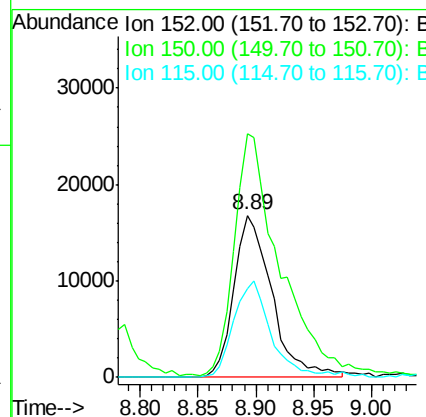
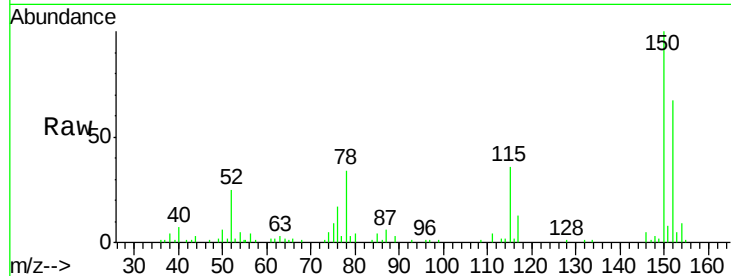
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.89 min Scan# 954  
Delta R.T. -0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.3 | 126.6 | 189.8 |
| 115     | 54.4  | 53.0  | 79.4  |

Manual Integrations  
APPROVED

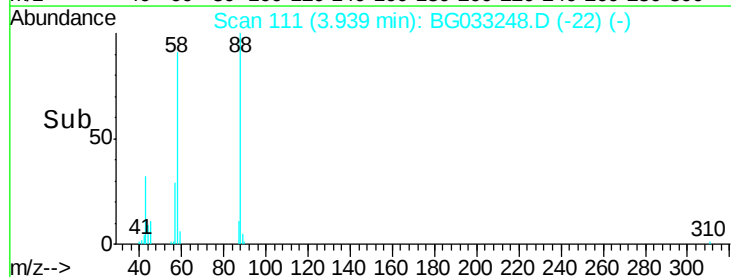
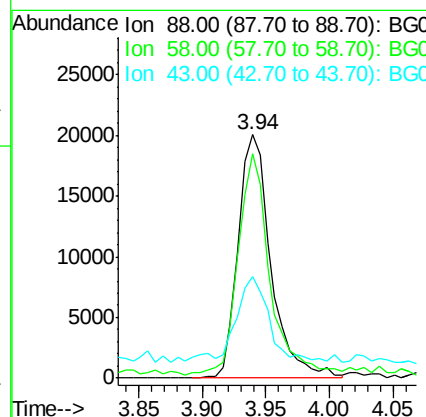
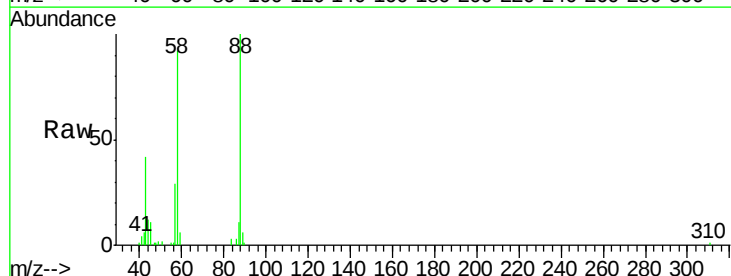
Sohil  
3/20/2018 6:29:40 PM



#2

1,4-Dioxane  
Concen: 34.379 ng  
RT: 3.94 min Scan# 111  
Delta R.T. -0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 87.5  | 79.6  | 119.4 |
| 43      | 34.6  | 27.4  | 41.0  |





#3

Pvridine

Concen: 34.300 ng m

RT: 4.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

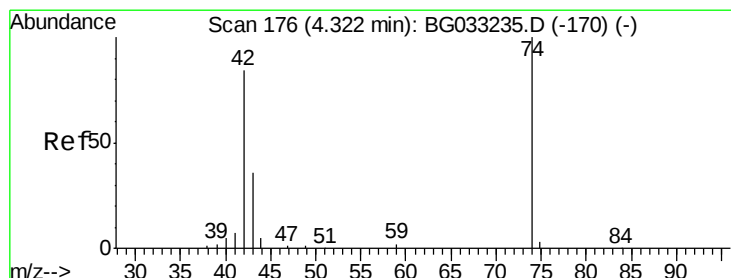
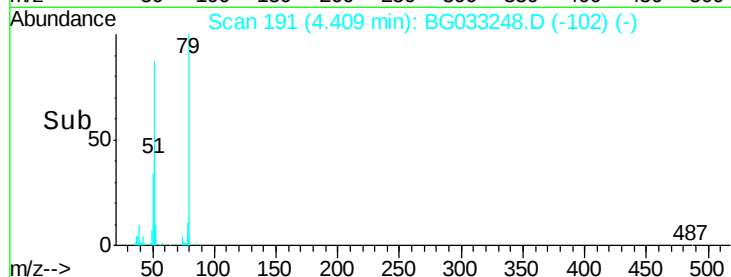
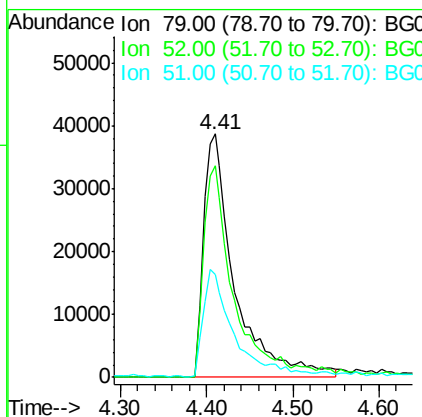
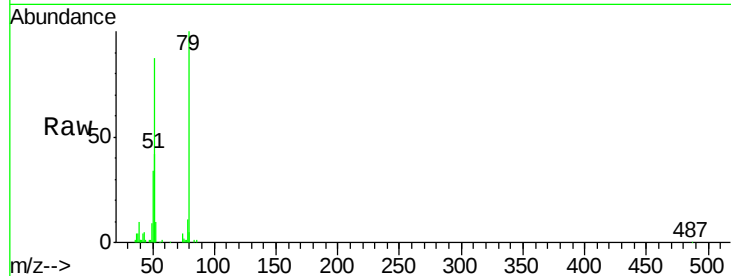
ClientSampleId :

PB107449BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 98758 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 87.2  | 69.9  | 104.9 |
| 51       | 42.0  | 34.0  | 51.0  |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#4

n-Nitrosodimethylamine

Concen: 44.299 ng

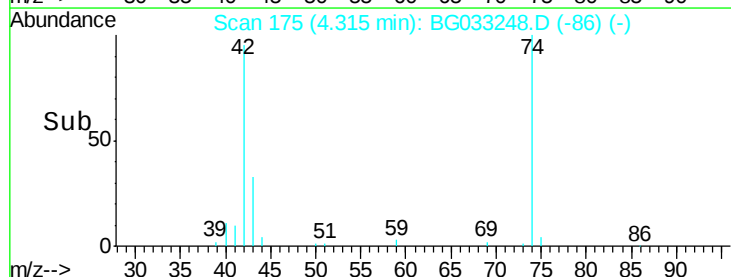
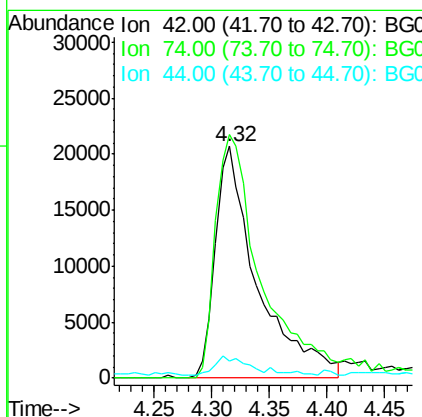
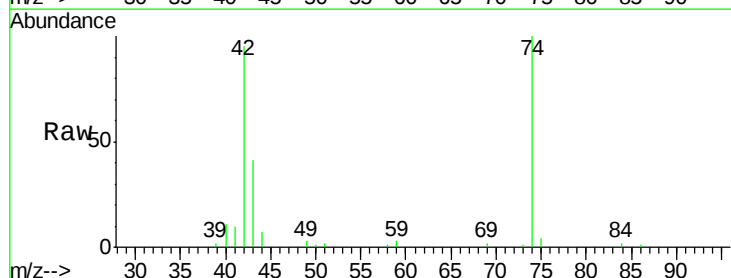
RT: 4.32 min Scan# 175

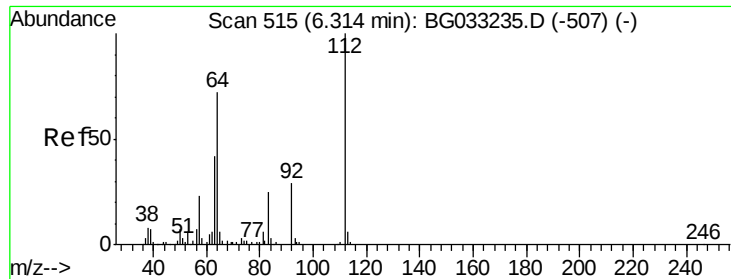
Delta R.T. -0.01 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 52343 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 105.0 | 102.5 | 153.7 |
| 44       | 7.2   | 18.9  | 28.3# |





#5

2-Fluorophenol

Concen: 107.178 ng

RT: 6.31 min Scan# 515

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

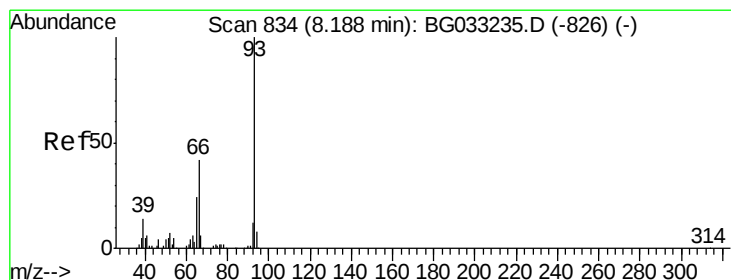
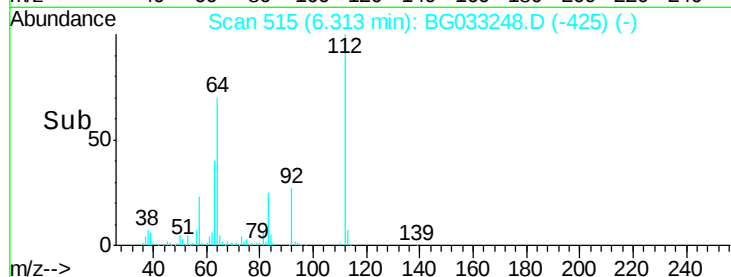
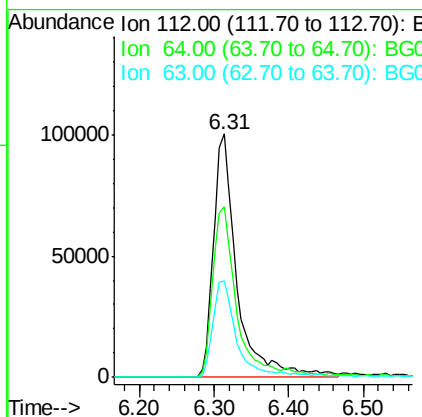
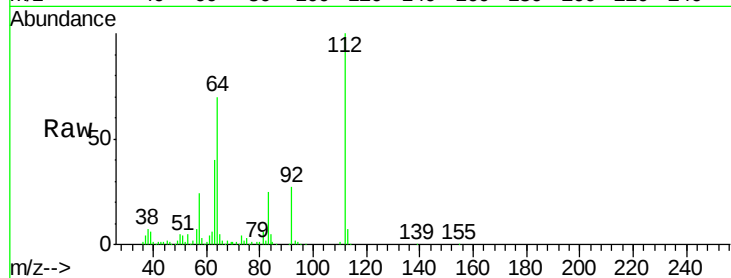
ClientSampleId :

PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 219818 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 69.9  | 56.3  | 84.5   |
| 63        | 39.8  | 30.1  | 45.1   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#6

Aniline

Concen: 17.457 ng

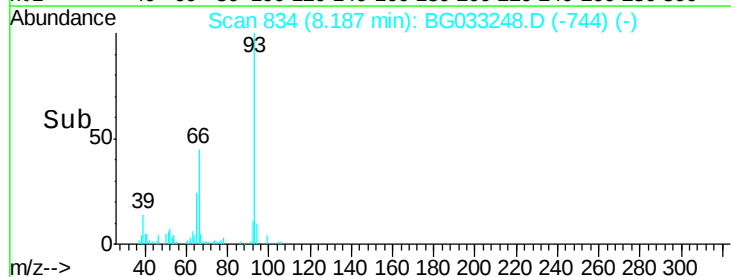
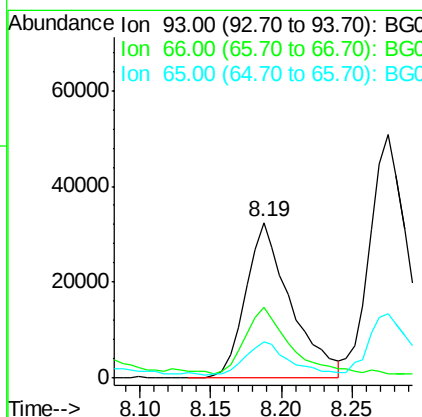
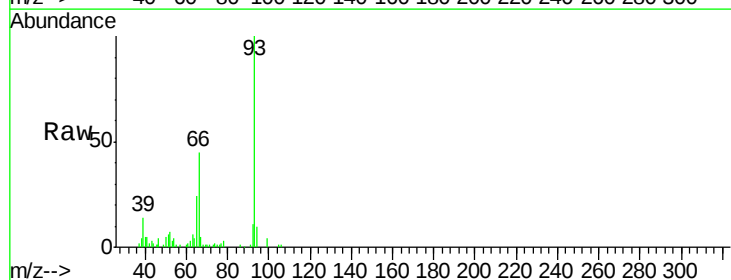
RT: 8.19 min Scan# 834

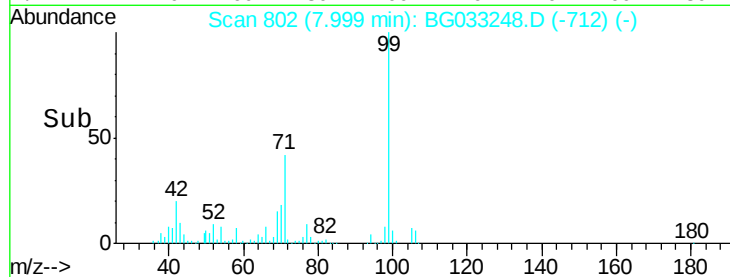
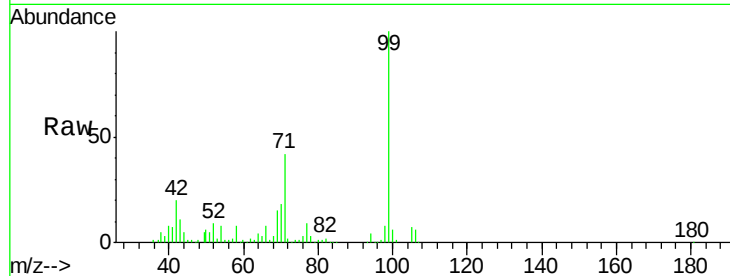
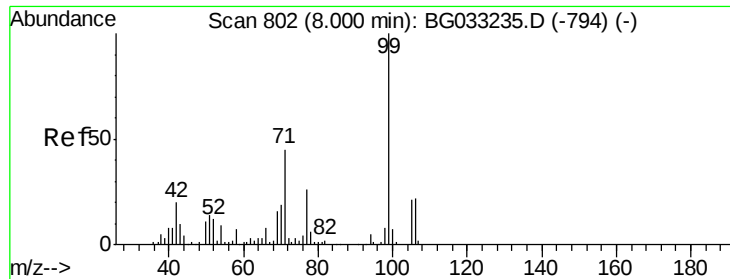
Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 72343 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 45.1  | 33.7  | 50.5  |
| 65        | 23.7  | 16.1  | 24.1  |





#7

Phenol-d6

Concen: 96.483 ng

RT: 8.00 min Scan# 802

Delta R.T. 0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 340003 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.2  | 14.1  | 21.1   |
| 71        | 41.5  | 26.1  | 39.1#  |

Instrument :

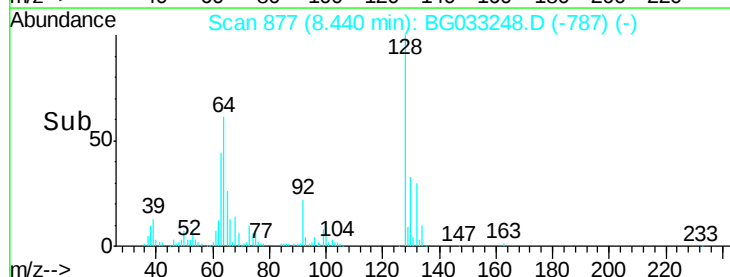
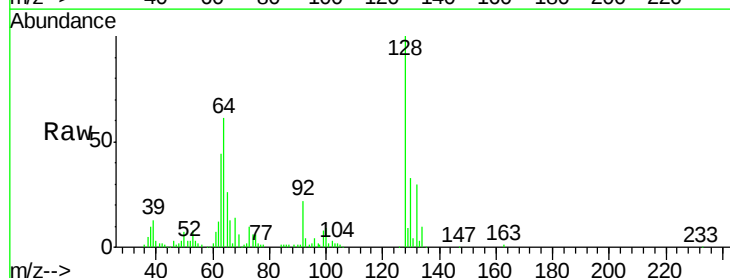
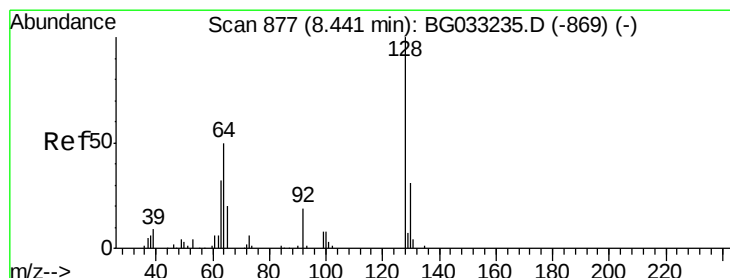
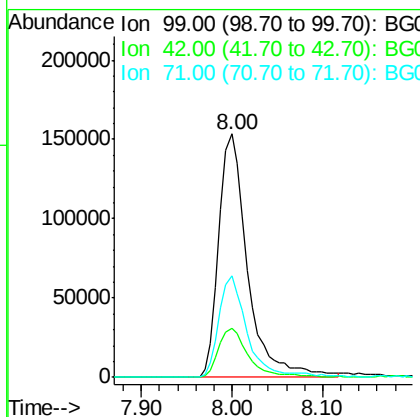
BNA\_G

ClientSampleId :

PB107449BSD

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#8

2-Chlorophenol

Concen: 48.307 ng

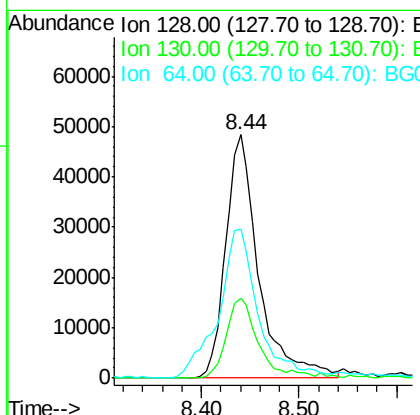
RT: 8.44 min Scan# 877

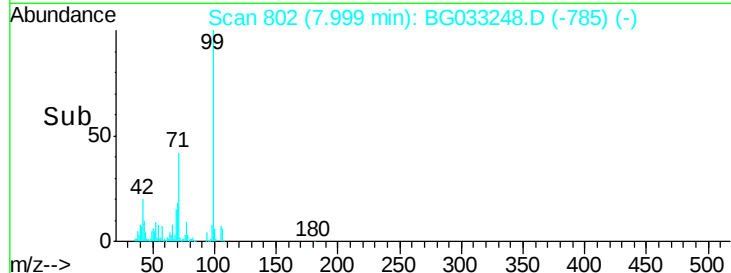
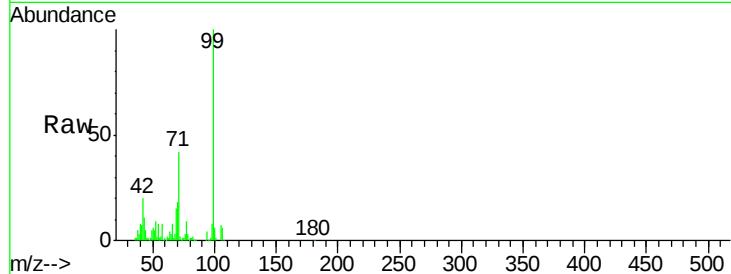
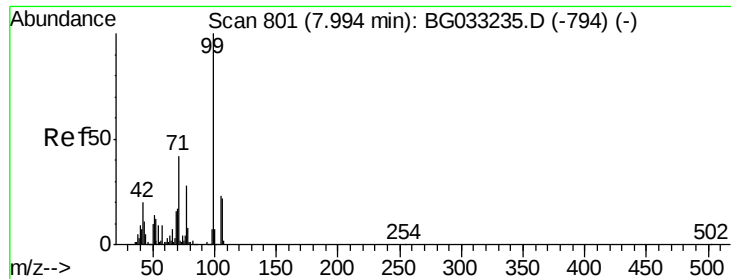
Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 113264 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.6  | 14.0  | 54.0   |
| 64        | 61.0  | 37.7  | 77.7   |





#9

Benzaldehyde

Concen: 17.734 ng

RT: 8.00 min Scan# 802

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 77    | Resp: | 39715 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 83.2  | 71.3  | 111.3 |
| 106       | 72.2  | 64.2  | 104.2 |

Instrument :

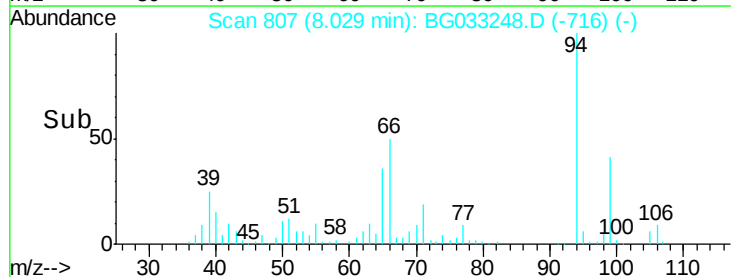
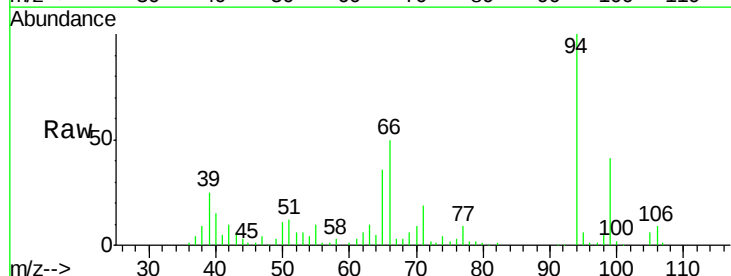
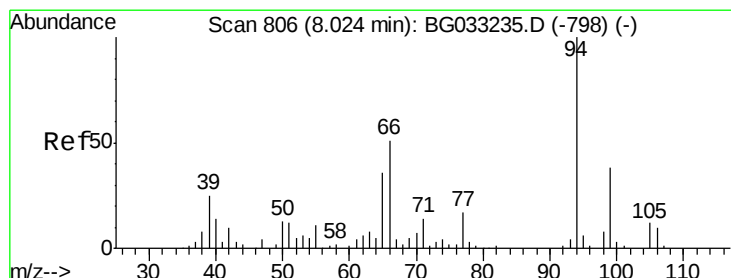
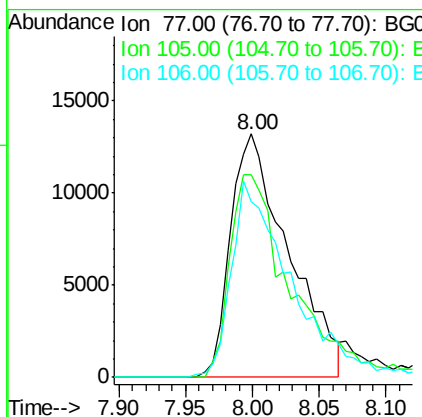
BNA\_G

ClientSampleId :

PB107449BSD

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#10

Phenol

Concen: 48.999 ng

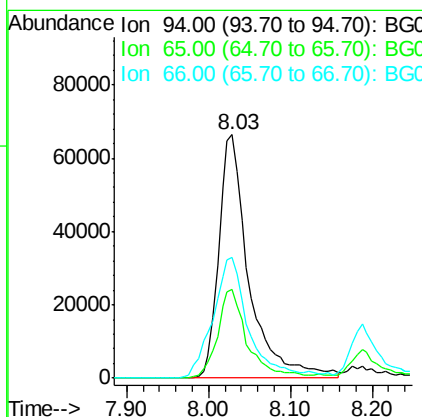
RT: 8.03 min Scan# 807

Delta R.T. 0.01 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 170482 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 36.3  | 11.9  | 51.9   |
| 66        | 49.8  | 22.2  | 62.2   |





#11

bis(2-Chloroethyl)ether

Concen: 38.130 ng

RT: 8.28 min Scan# 849

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

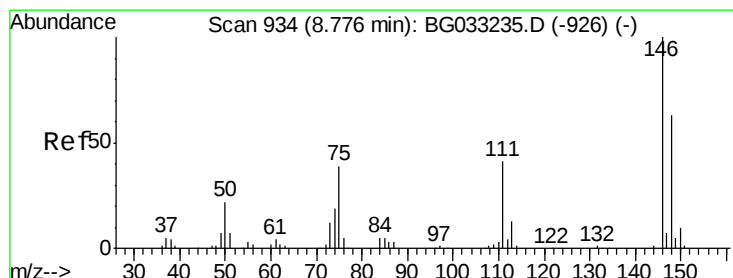
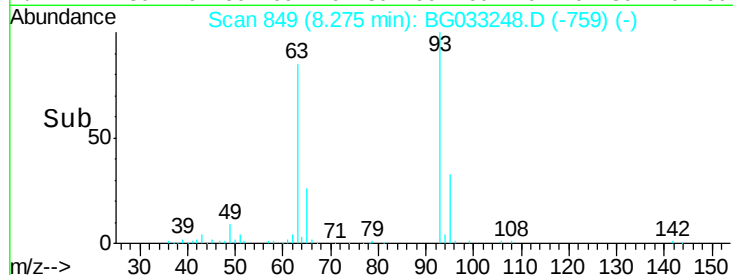
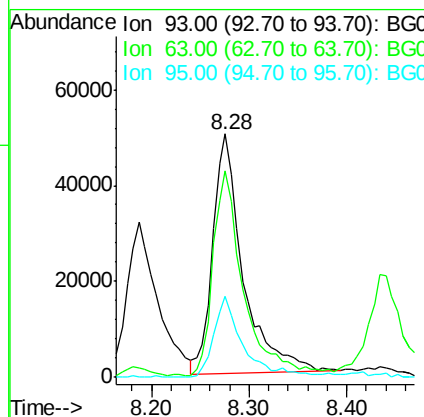
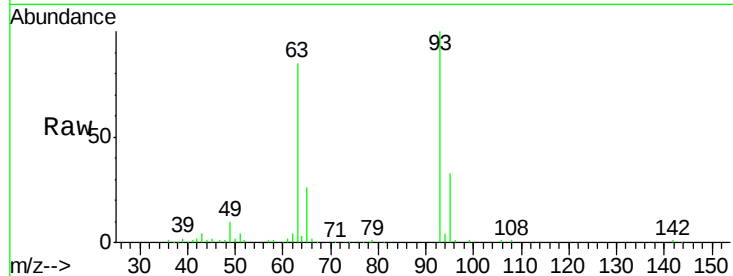
ClientSampleId :

PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 108285 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 84.9  | 67.1  | 107.1  |
| 95        | 33.4  | 11.5  | 51.5   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#12

1,3-Dichlorobenzene

Concen: 38.772 ng

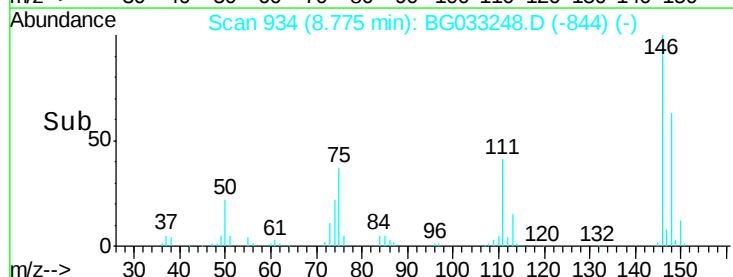
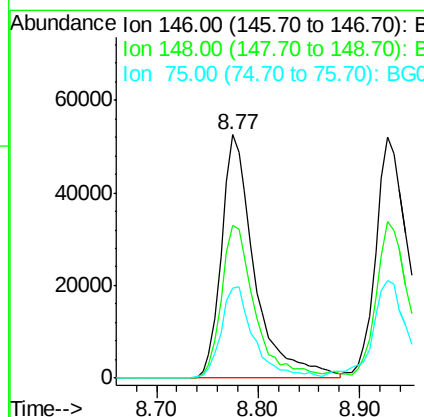
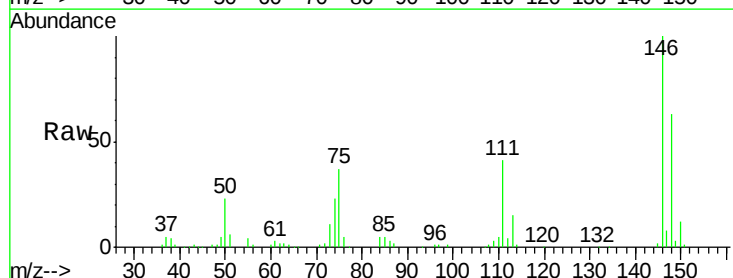
RT: 8.77 min Scan# 934

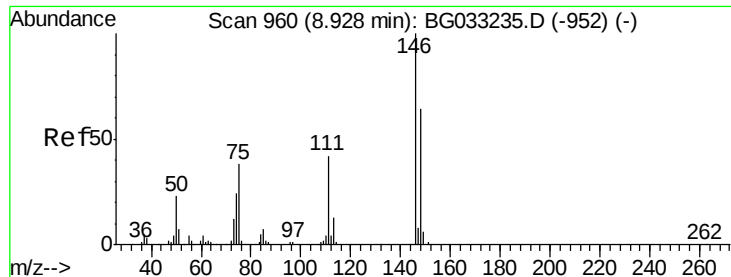
Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 118854 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.6  | 51.4  | 77.2   |
| 75        | 36.8  | 26.6  | 39.8   |





#13

1,4-Dichlorobenzene

Concen: 38.674 ng

RT: 8.93 min Scan# 960

Delta R.T. -0.01 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

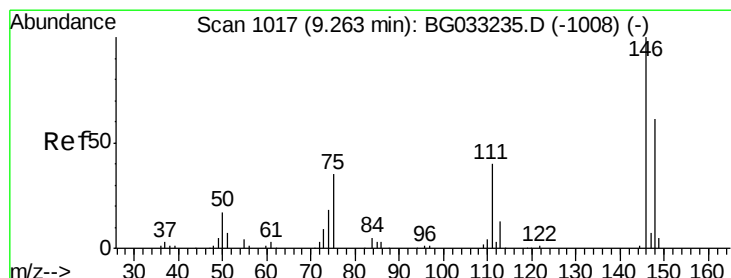
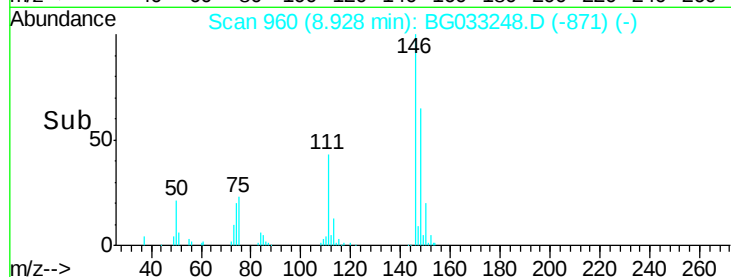
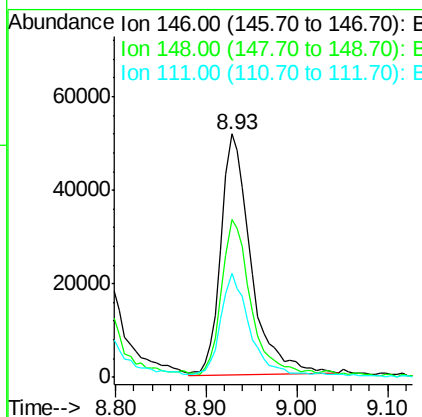
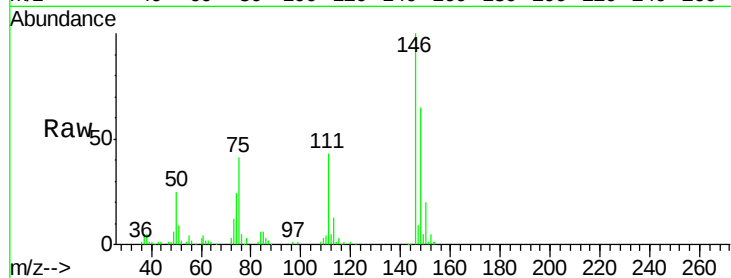
ClientSampleId :

PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 118728 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.8  | 53.7  | 80.5   |
| 111       | 42.6  | 35.2  | 52.8   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#14

1,2-Dichlorobenzene

Concen: 39.332 ng

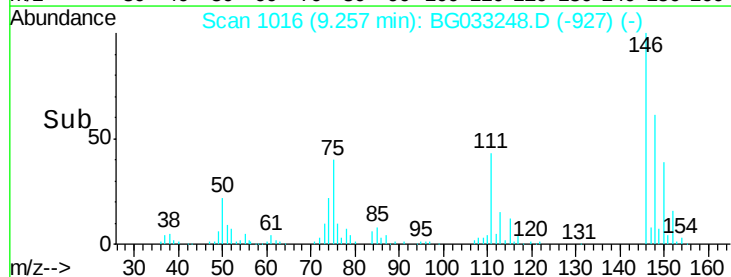
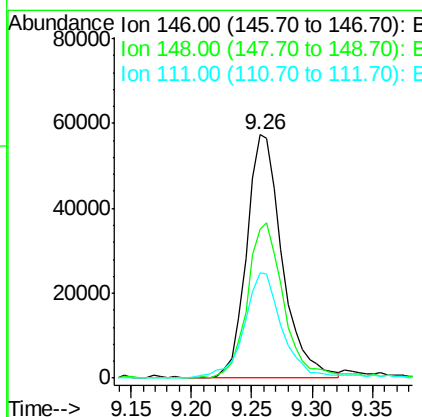
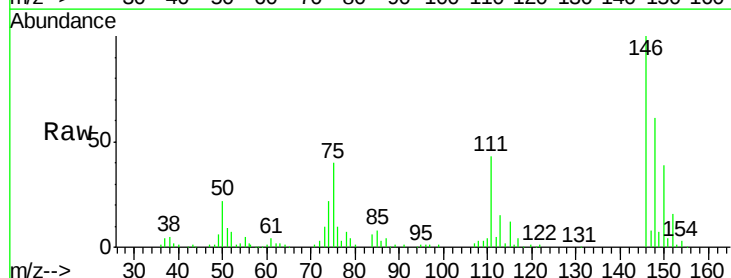
RT: 9.26 min Scan# 1016

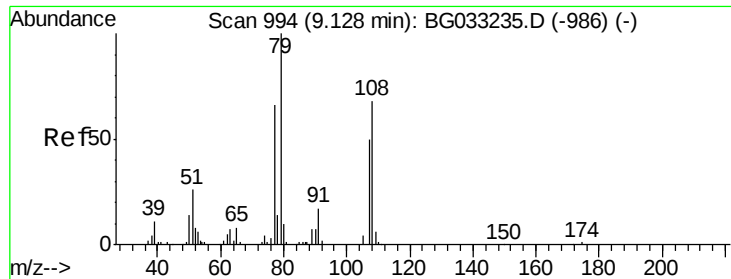
Delta R.T. -0.01 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 117851 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 60.9  | 49.3  | 73.9   |
| 111       | 43.4  | 34.3  | 51.5   |





#15

Benzyl Alcohol

Concen: 45.770 ng

RT: 9.13 min Scan# 994

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

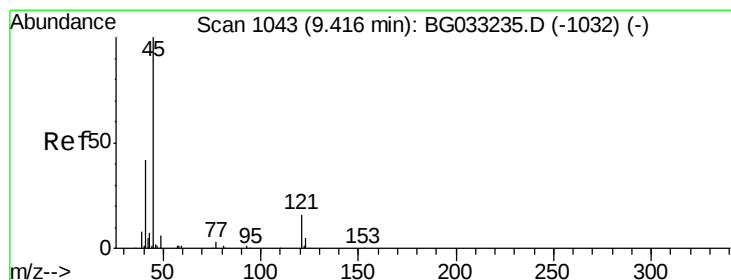
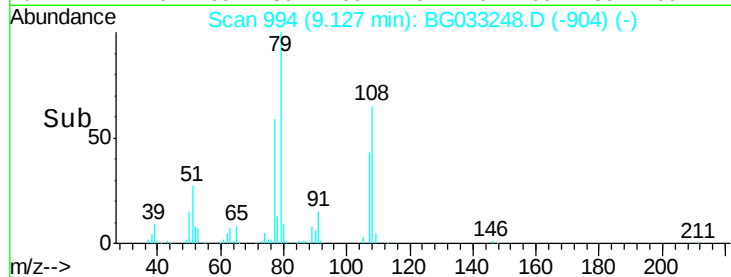
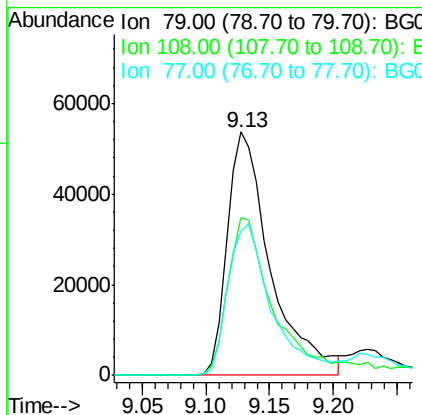
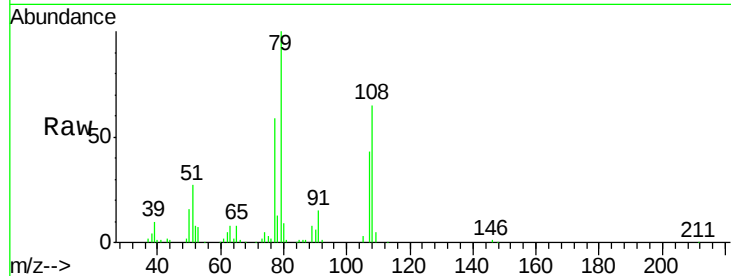
ClientSampleId :

PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 126991 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 64.6  | 57.2  | 85.8   |
| 77        | 58.8  | 46.1  | 69.1   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.272 ng

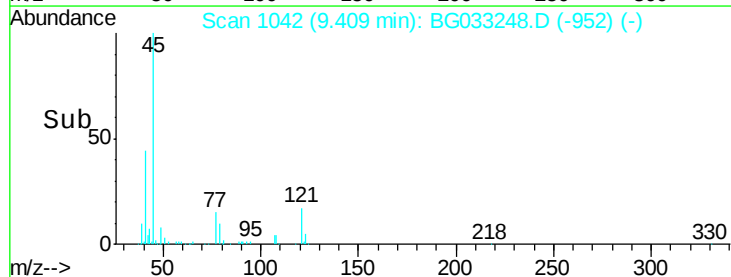
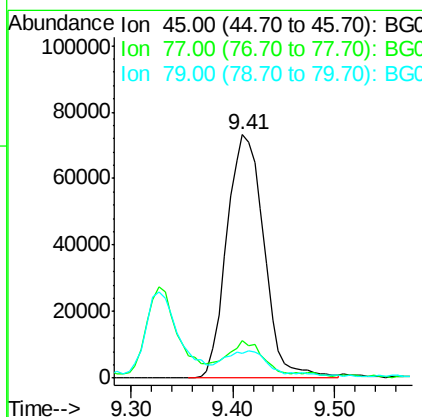
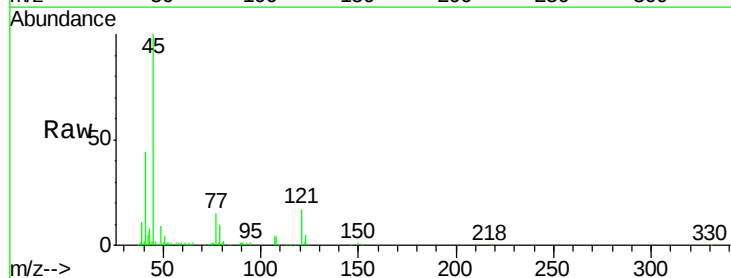
RT: 9.41 min Scan# 1042

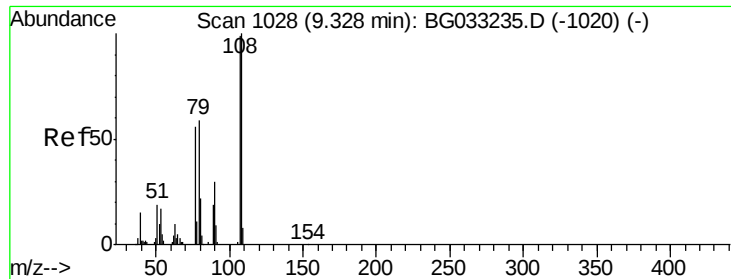
Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 186442 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 15.4  | 0.0   | 30.2   |
| 79        | 10.2  | 0.0   | 27.9   |





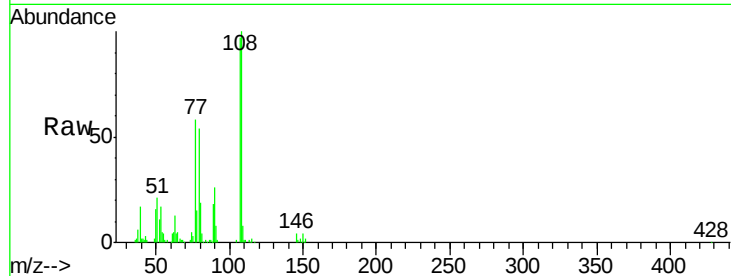
#17  
2-Methylphenol  
Concen: 46.852 ng/ml  
RT: 9.33 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 102.7 | 83.9 | 125.9 |       |
| 77      | 59.1  | 37.2 | 55.8  |       |
| 79      | 55.3  | 36.2 | 54.2  |       |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



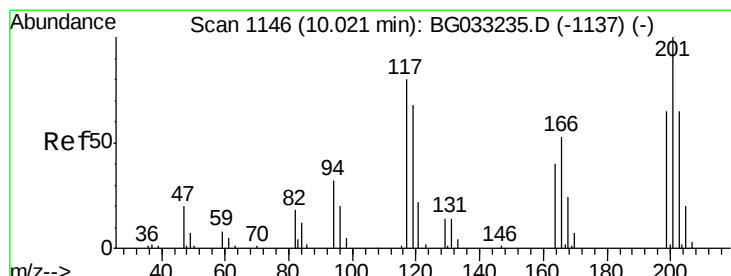
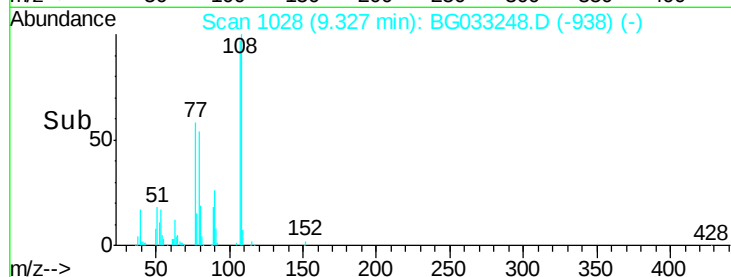
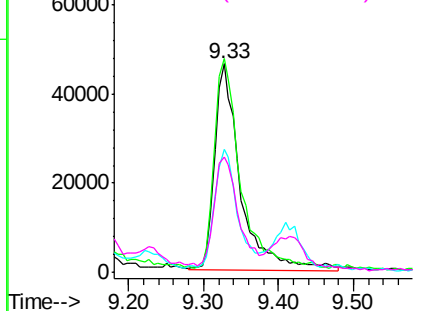
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 39.857 ng  
RT: 10.01 min Scan# 1145  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

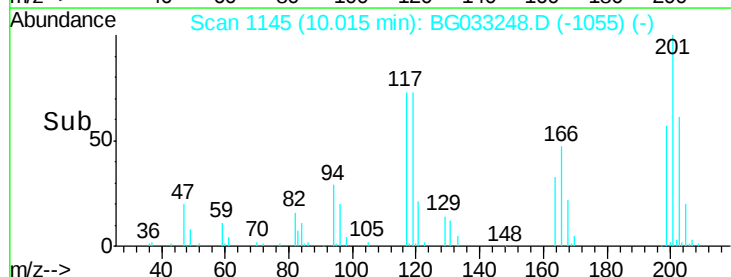
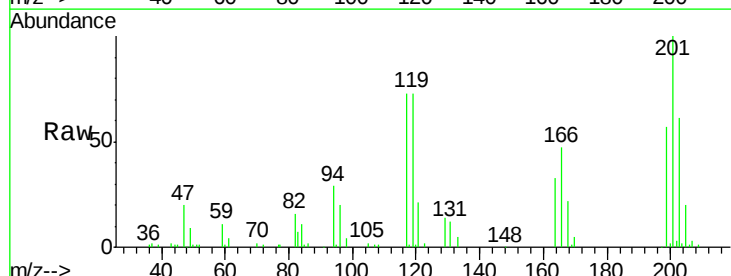
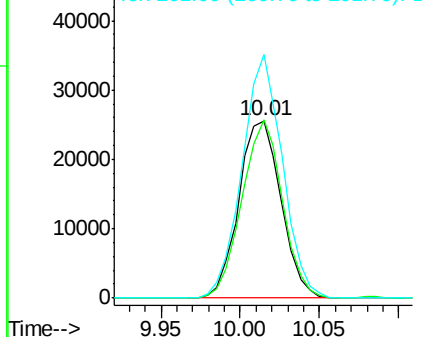
| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 100.7 | 76.7 | 115.1 |       |
| 201     | 137.4 | 95.7 | 143.5 |       |

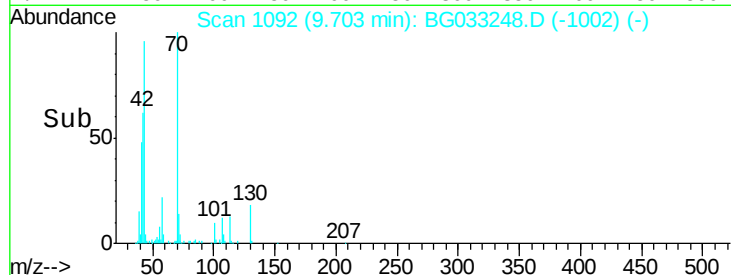
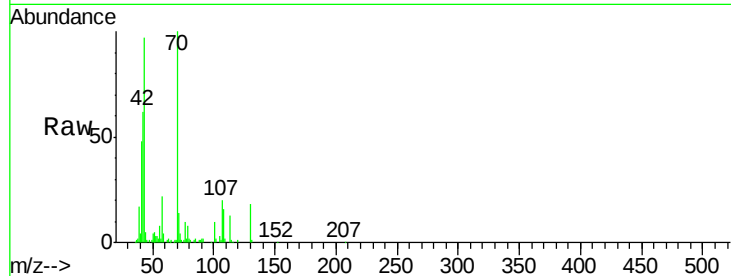
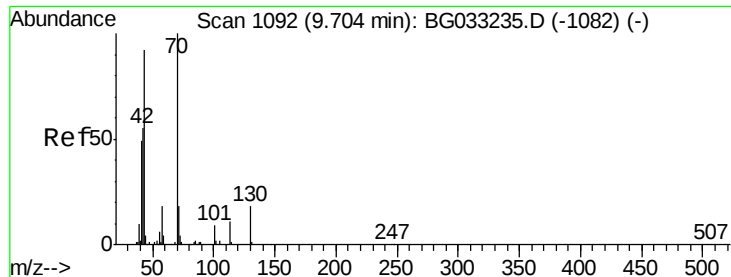
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





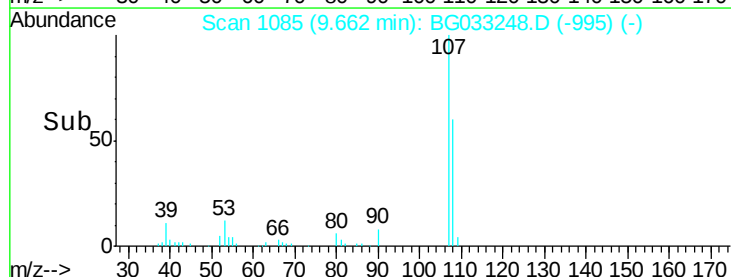
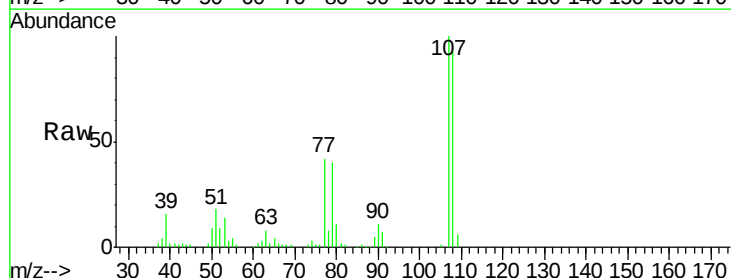
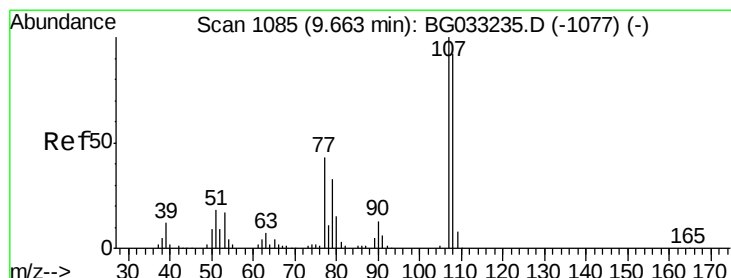
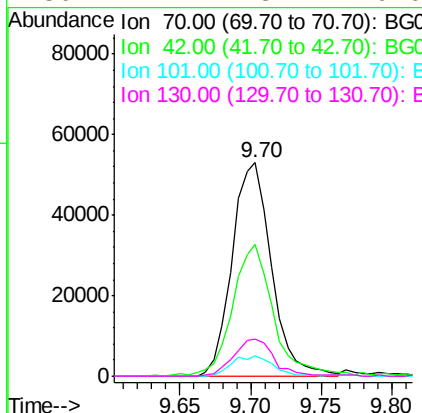
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.971 ng  
RT: 9.70 min Scan# 1092  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

Manual Integrations  
APPROVED

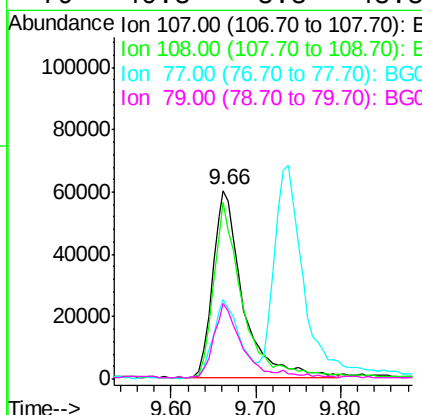
Sohil  
3/20/2018 6:29:40 PM

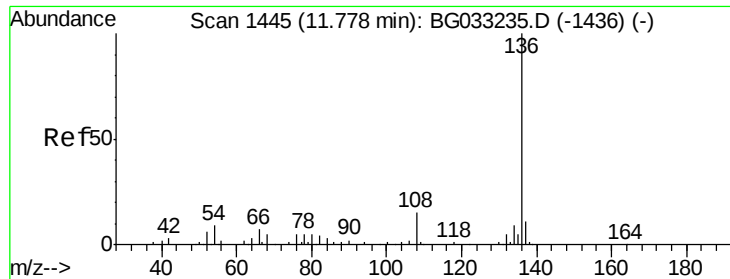
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 61.7 | 49.1  | 73.7  |       |
| 101     | 9.8  | 8.5   | 12.7  |       |
| 130     | 17.7 | 13.4  | 20.0  |       |



#20  
3+4-Methylphenols  
Concen: 44.065 ng  
RT: 9.66 min Scan# 1085  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 93.2 | 61.6  | 101.6 |       |
| 77      | 41.9 | 13.9  | 53.9  |       |
| 79      | 40.3 | 8.8   | 48.8  |       |





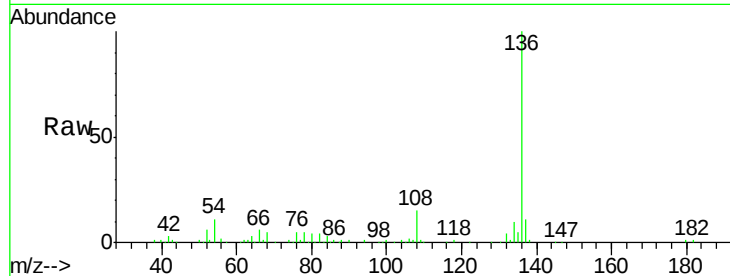
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.78 min Scan# 1445  
Delta R.T. -0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

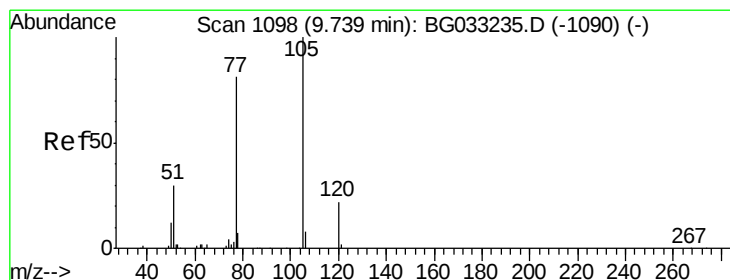
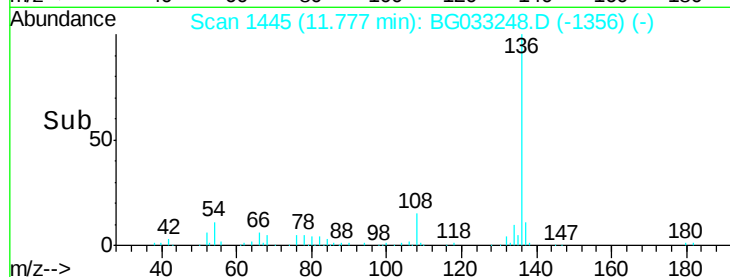
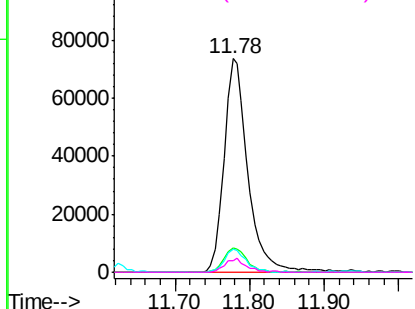
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 163216 |       |       |
| 137     | 11.5  | 9.2    | 13.8  |       |
| 54      | 11.1  | 10.3   | 15.5  |       |
| 68      | 5.4   | 4.5    | 6.7   |       |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



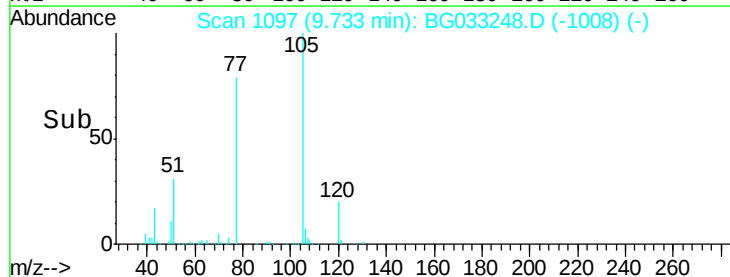
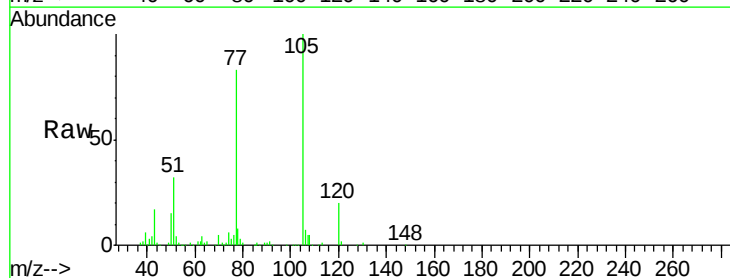
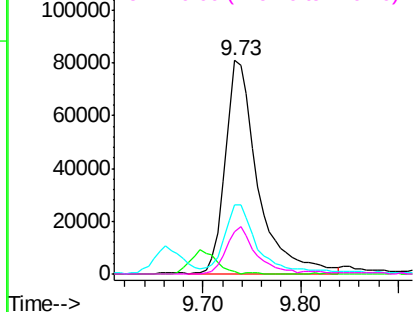
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

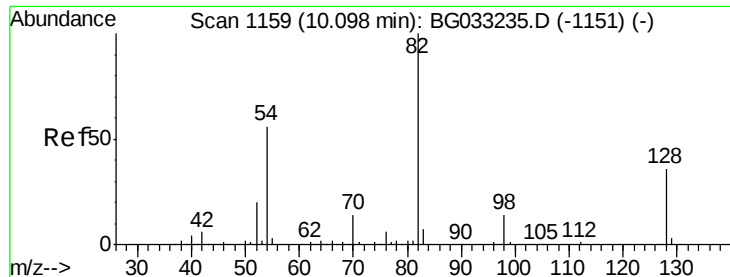


#22  
Acetophenone  
Concen: 41.600 ng  
RT: 9.73 min Scan# 1097  
Delta R.T. -0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 186017 |       |       |
| 71      | 1.0   | 3.0    | 4.4#  |       |
| 51      | 32.4  | 26.1   | 39.1  |       |
| 120     | 19.7  | 17.4   | 26.2  |       |

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





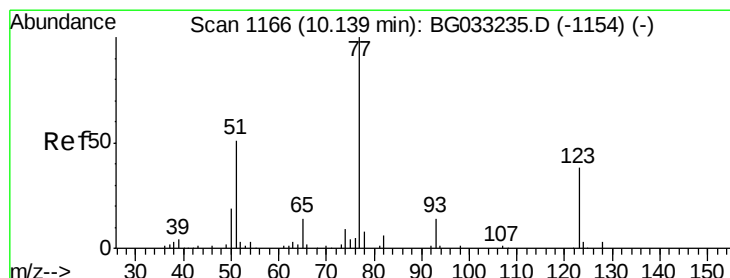
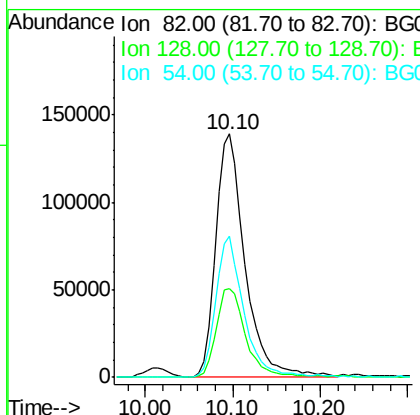
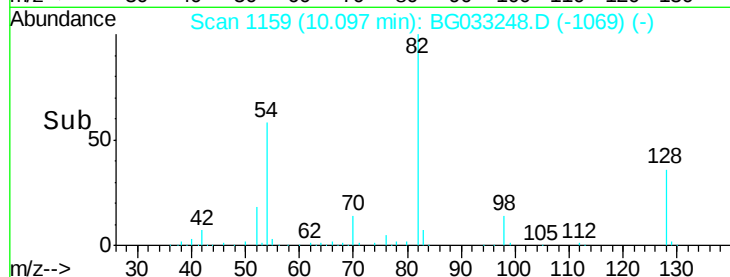
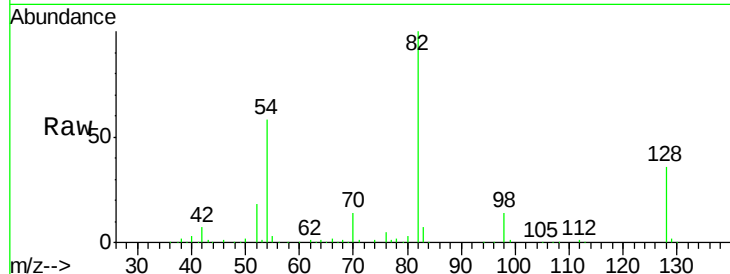
#23  
 Nitrobenzene-d5  
 Concen: 90.672 ng  
 RT: 10.10 min Scan# 1159  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 322110 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 36.5  | 29.7  | 44.5   |
| 54        | 58.2  | 43.1  | 64.7   |

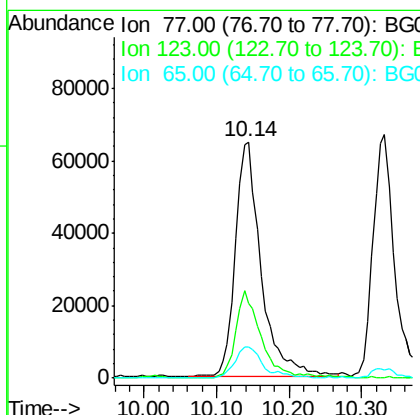
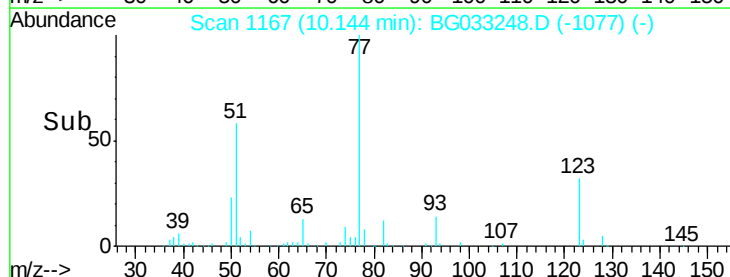
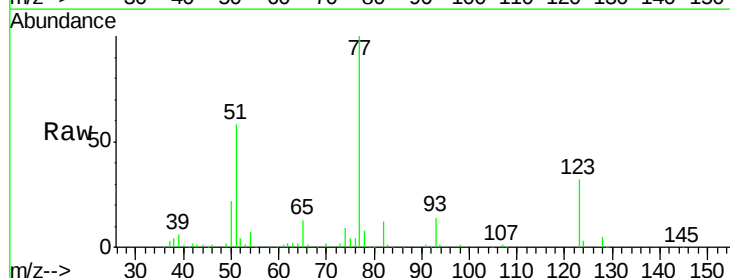
Manual Integrations  
 APPROVED

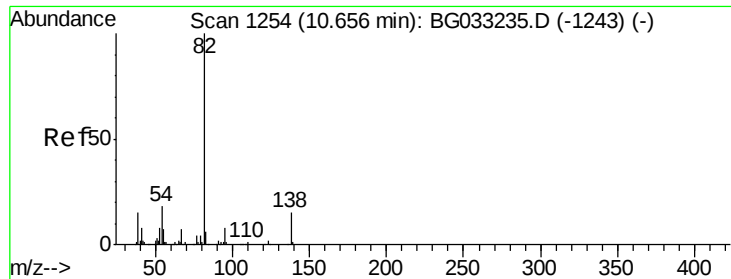
Sohil  
 3/20/2018 6:29:40 PM



#24  
 Nitrobenzene  
 Concen: 42.195 ng  
 RT: 10.14 min Scan# 1167  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 160444 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 31.7  | 33.0  | 49.6#  |
| 65        | 13.4  | 13.0  | 19.6   |





#25

Isophorone

Concen: 45.274 ng

RT: 10.66 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

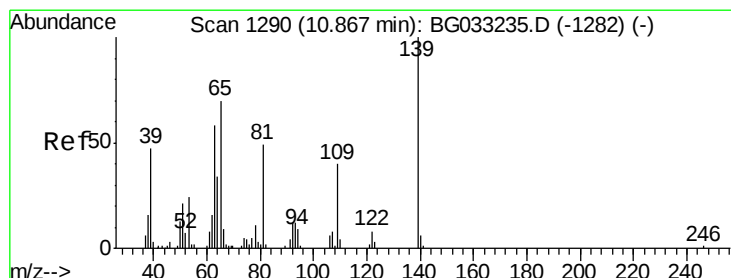
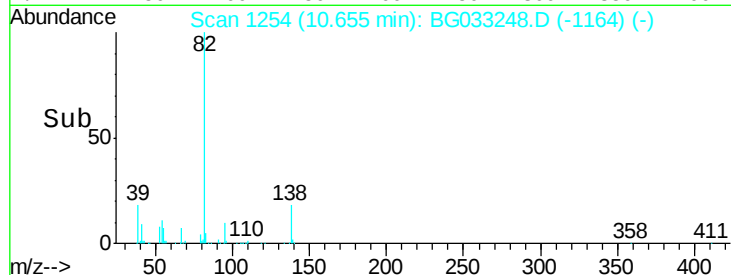
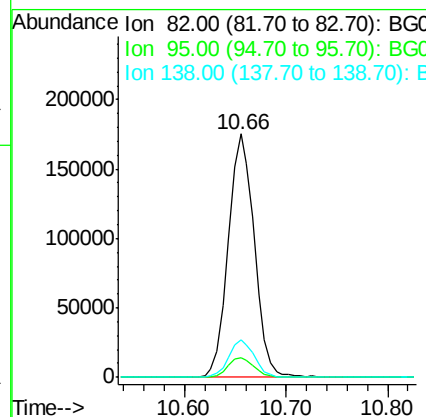
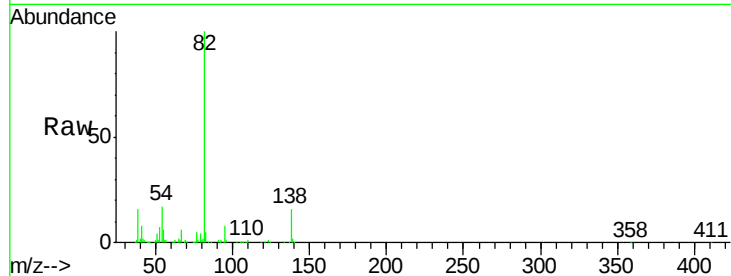
ClientSampleId :

PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 312161 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 8.1   | 6.2   | 9.2    |
| 138       | 15.5  | 12.1  | 18.1   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#26

2-Nitrophenol

Concen: 47.294 ng

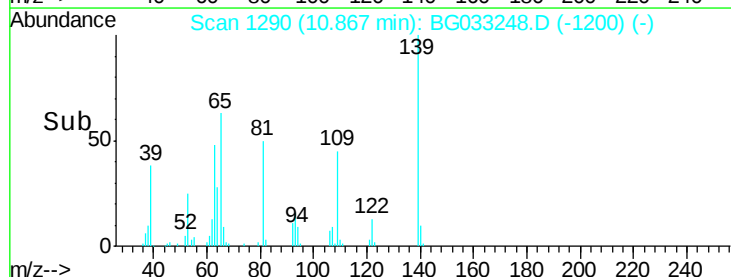
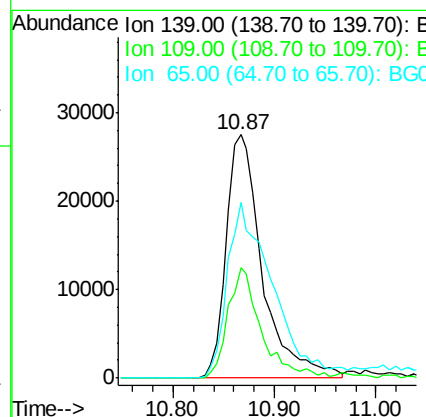
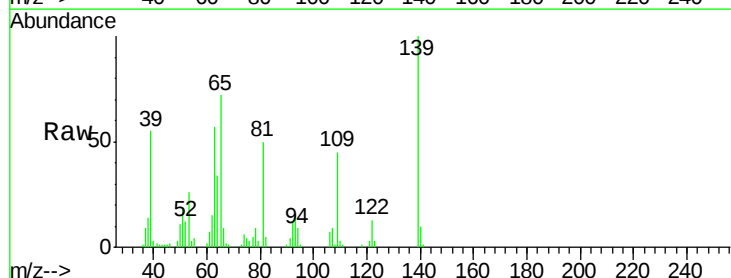
RT: 10.87 min Scan# 1290

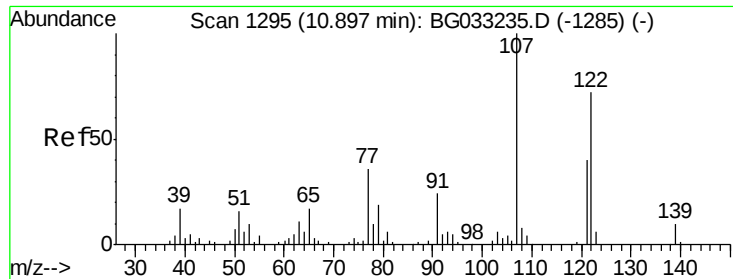
Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 68084 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 45.3  | 24.2  | 36.2# |
| 65        | 72.2  | 47.4  | 71.0# |





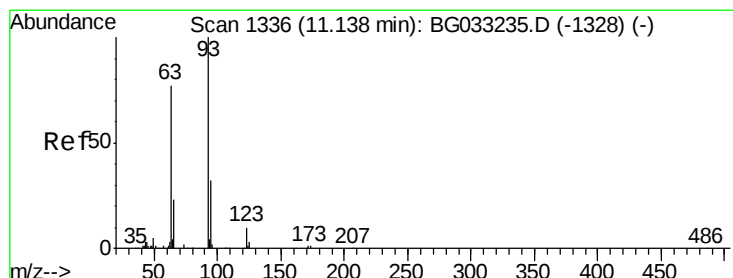
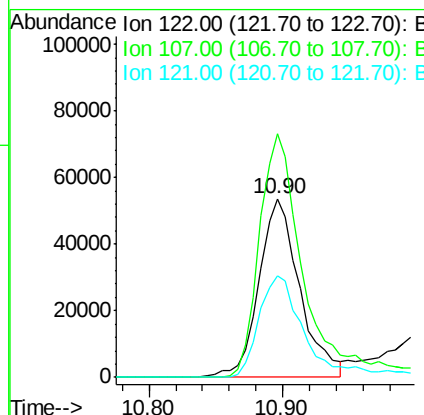
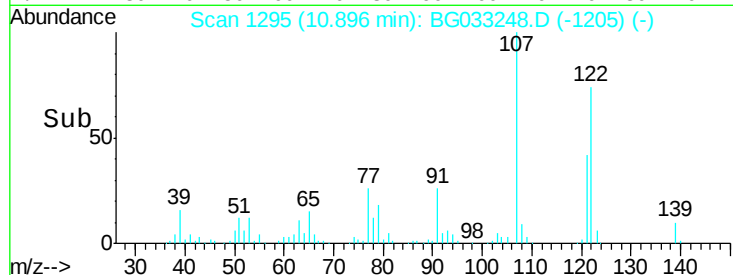
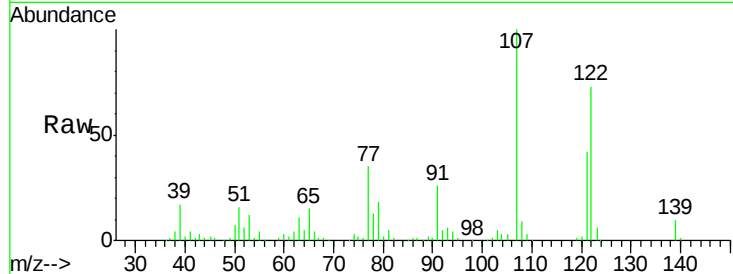
#27  
 2,4-Dimethylphenol  
 Concen: 54.211 ng  
 RT: 10.90 min Scan# 1295  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 136.2 | 100.2 | 150.2 |
| 121     | 57.2  | 44.4  | 66.6  |

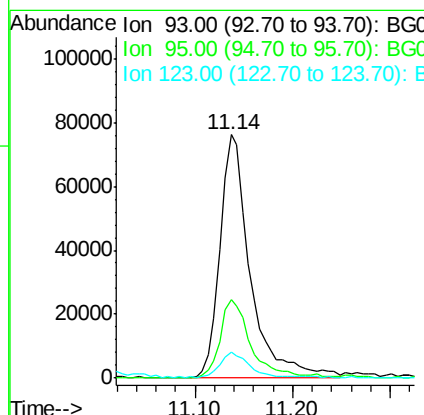
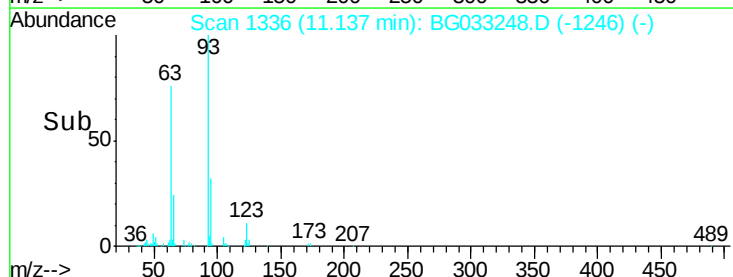
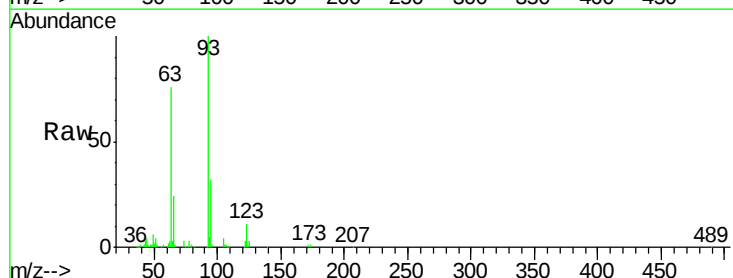
Manual Integrations  
 APPROVED

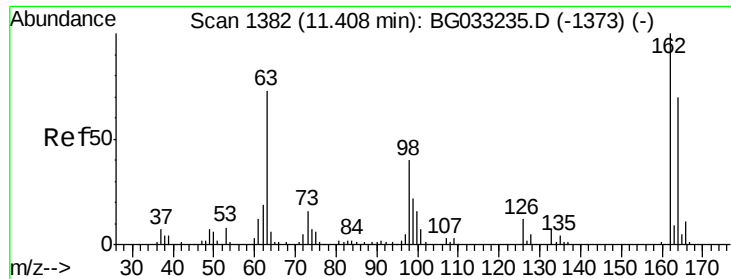
Sohil  
 3/20/2018 6:29:40 PM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 47.961 ng  
 RT: 11.14 min Scan# 1336  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.3  | 24.3  | 36.5  |
| 123     | 10.5  | 8.4   | 12.6  |





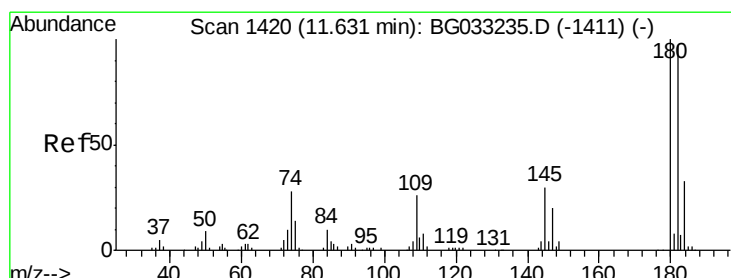
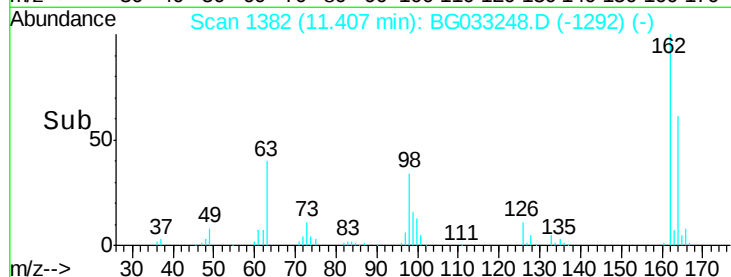
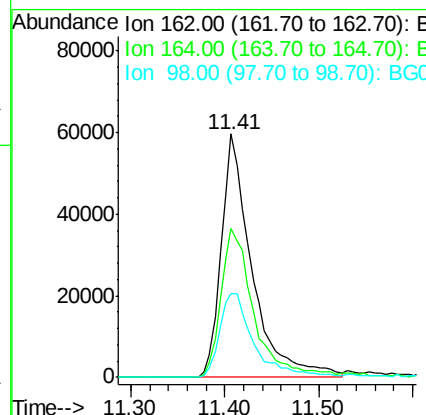
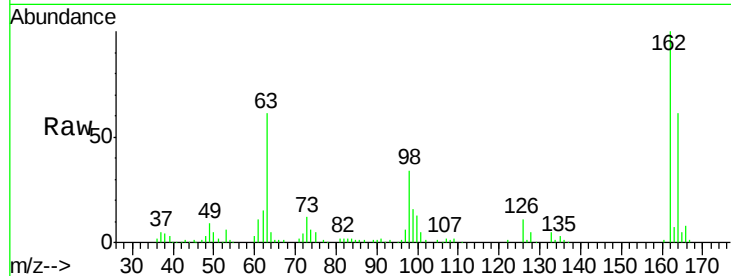
#29  
 2,4-Dichlorophenol  
 Concen: 52.837 ng  
 RT: 11.41 min Scan# 1382  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 135892 |       |       |
| 164     | 61.0  | 48.0   | 88.0  |       |
| 98      | 34.1  | 21.1   | 61.1  |       |

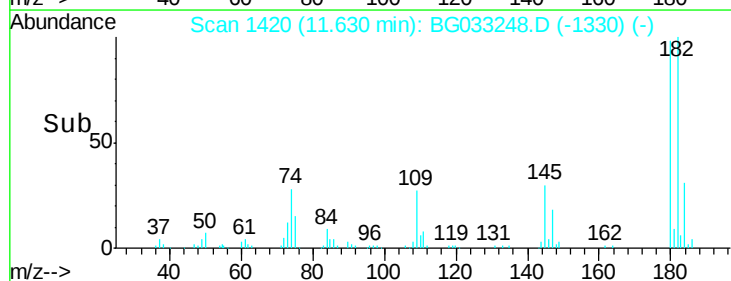
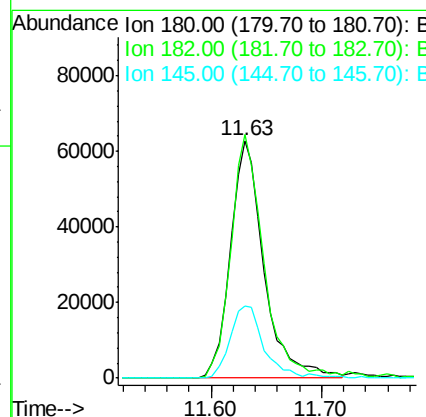
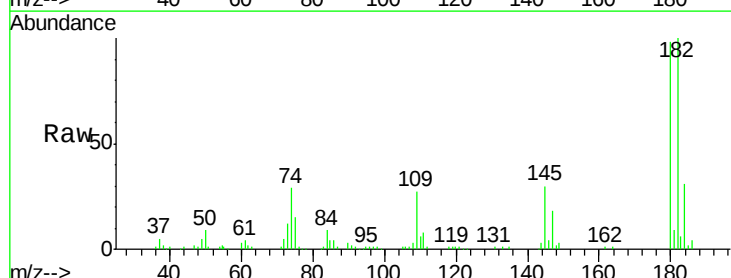
Manual Integrations  
 APPROVED

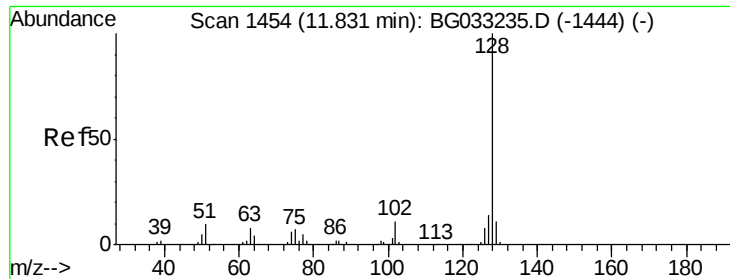
Sohil  
 3/20/2018 6:29:40 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.963 ng  
 RT: 11.63 min Scan# 1420  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 133535 |       |       |
| 182     | 102.6 | 77.5   | 116.3 |       |
| 145     | 30.3  | 23.4   | 35.2  |       |





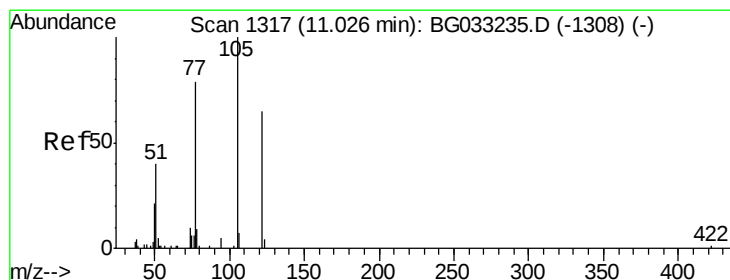
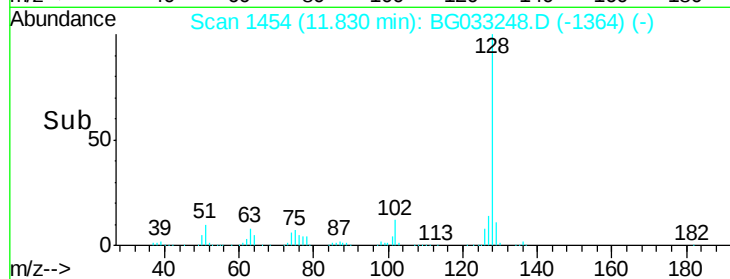
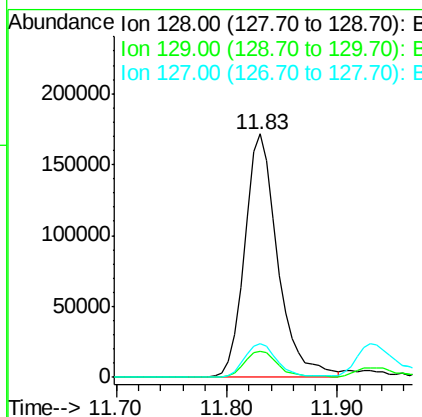
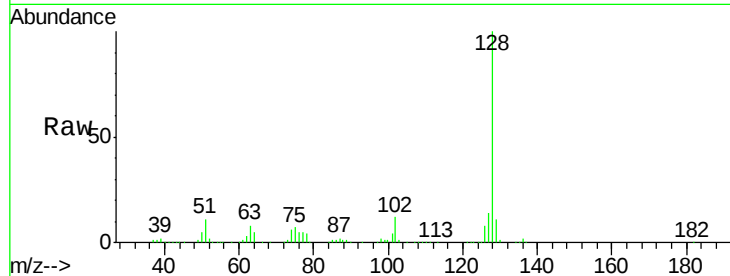
#31  
Naphthalene  
Concen: 42.593 ng  
RT: 11.83 min Scan# 1454  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 360251 |       |       |
| 129     | 10.7  |        | 8.6   | 12.8  |
| 127     | 13.9  |        | 11.6  | 17.4  |

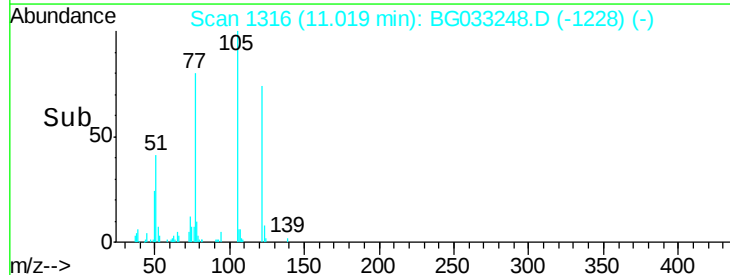
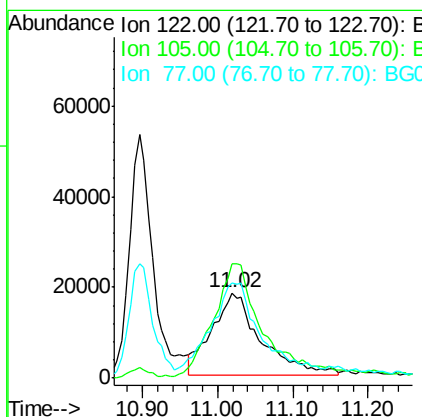
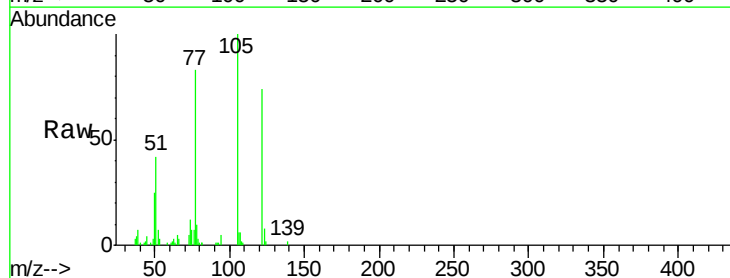
Manual Integrations  
APPROVED

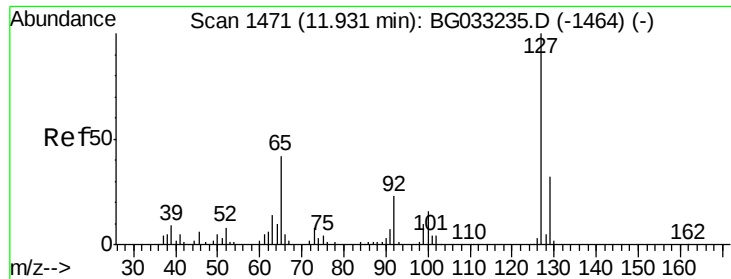
Sohil  
3/20/2018 6:29:40 PM



#32  
Benzoic acid  
Concen: 43.437 ng m  
RT: 11.02 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 84446 |       |       |
| 105     | 134.8 |       | 123.5 | 163.5 |
| 77      | 112.0 |       | 85.7  | 125.7 |





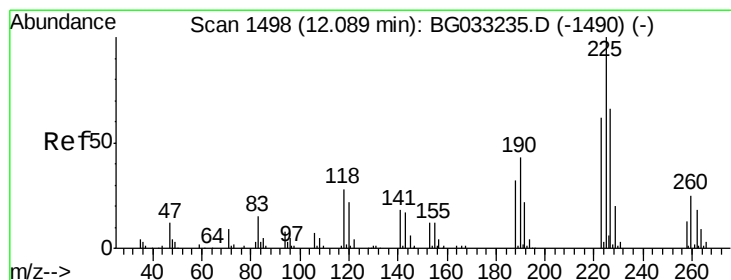
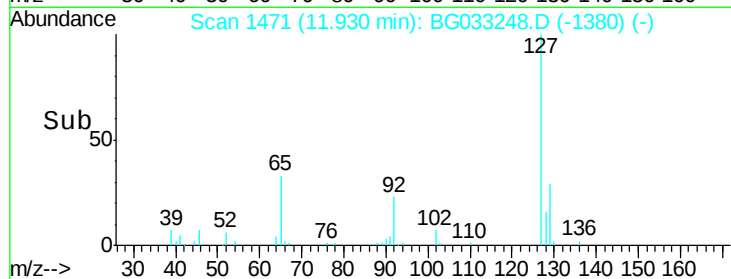
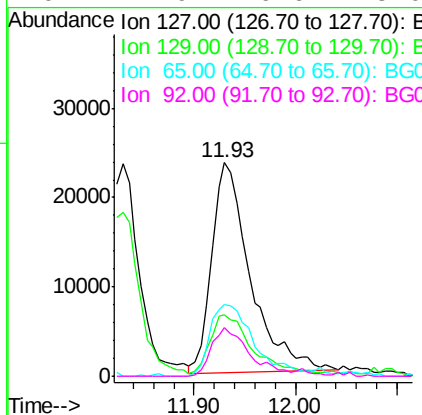
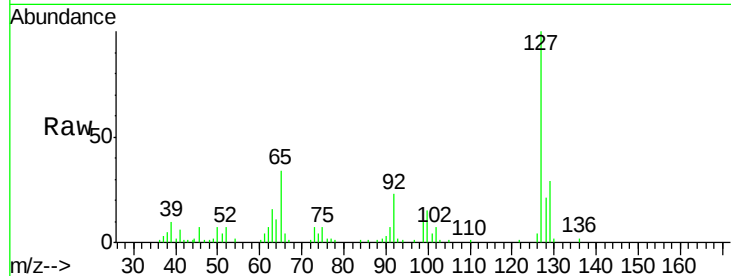
#33  
4-Chloroaniline  
Concen: 16.454 ng  
RT: 11.93 min Scan# 1471  
Delta R.T. 0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 29.0 | 24.0  | 36.0 |       |       |
| 65      | 33.6 | 27.0  | 40.4 |       |       |
| 92      | 22.9 | 16.6  | 25.0 |       |       |

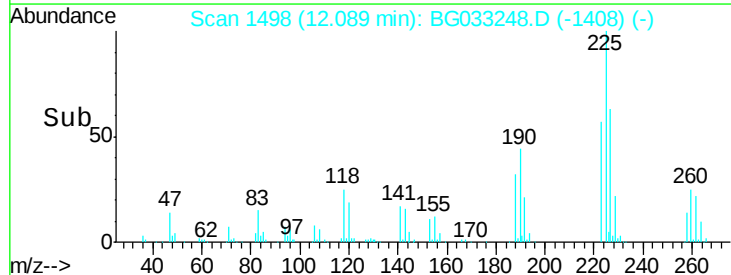
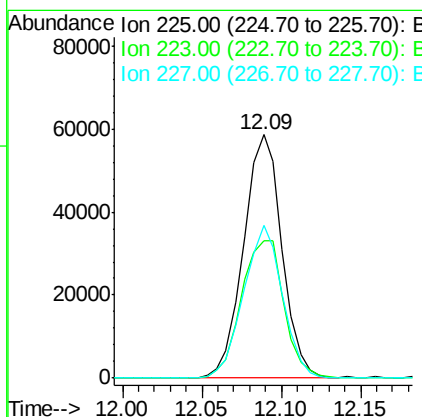
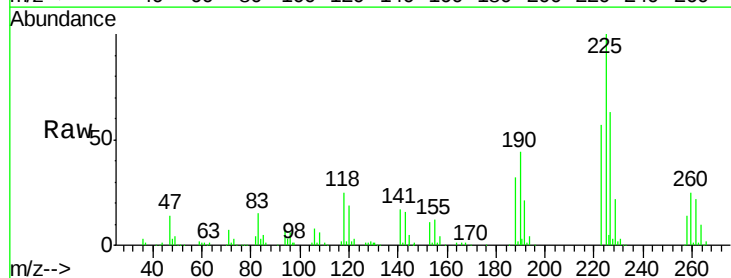
Manual Integrations  
APPROVED

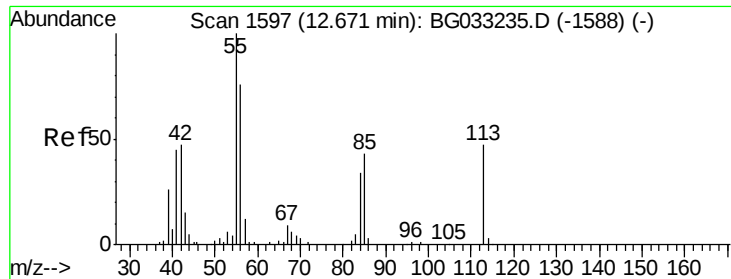
Sohil  
3/20/2018 6:29:40 PM



#34  
Hexachlorobutadiene  
Concen: 38.961 ng  
RT: 12.09 min Scan# 1498  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 56.6 | 49.7  | 74.5 |       |       |
| 227     | 62.8 | 48.1  | 72.1 |       |       |





#35

Caprolactam

Concen: 46.924 ng

RT: 12.67 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

ClientSampleId :

PB107449BSD

Tot Ion:113 Resp: 47279

Ion Ratio Lower Upper

113 100

55 223.3 186.9 226.9

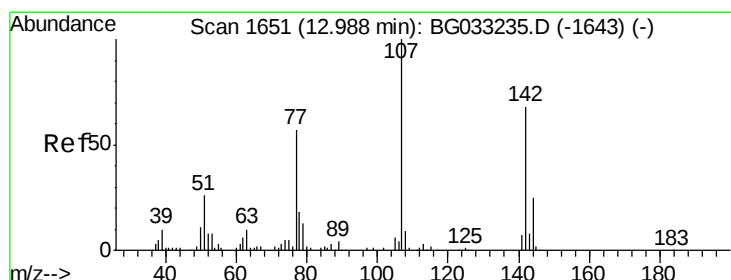
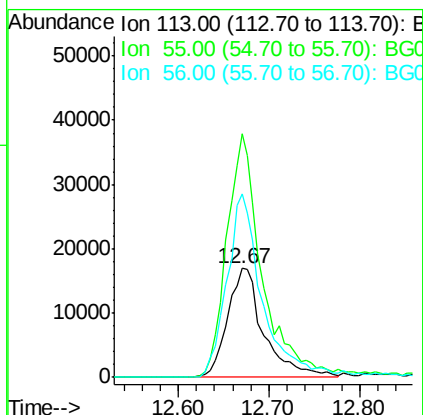
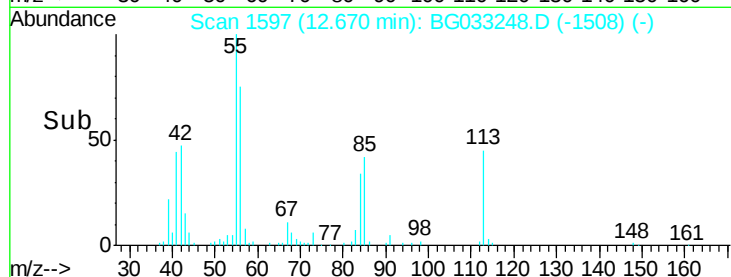
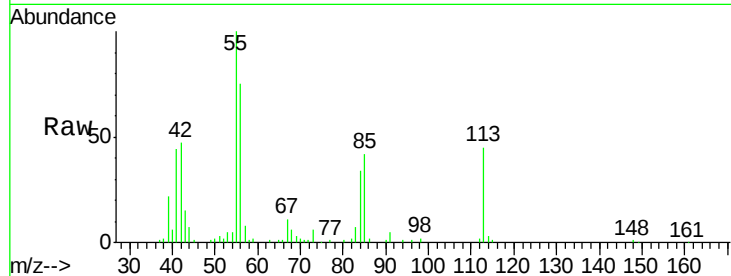
56 168.3 130.9 170.9

Manual Integrations

APPROVED

Sohil

3/20/2018 6:29:40 PM



#36

4-Chloro-3-methylphenol

Concen: 49.292 ng

RT: 12.99 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

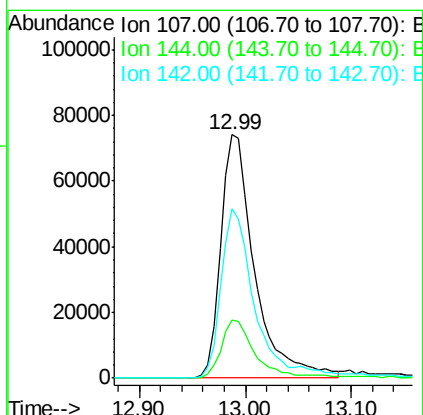
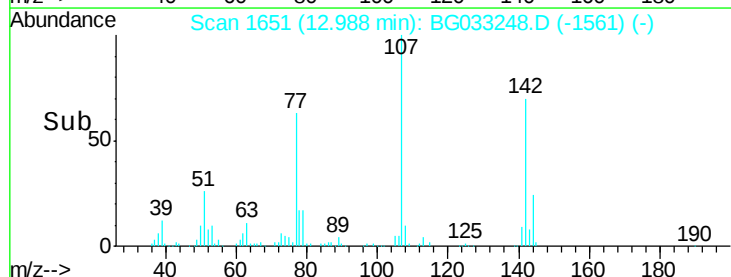
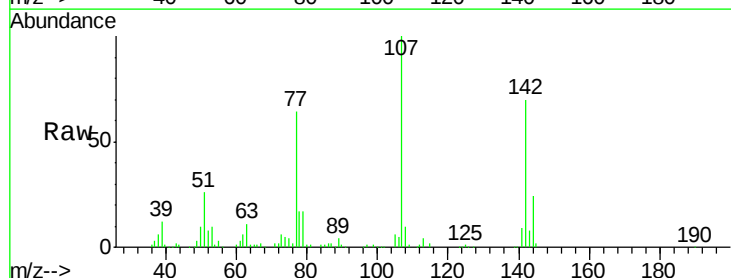
Tgt Ion:107 Resp: 165346

Ion Ratio Lower Upper

107 100

144 23.6 18.2 27.4

142 69.8 59.0 88.4





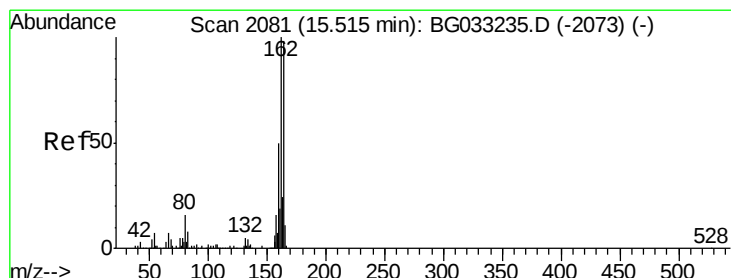
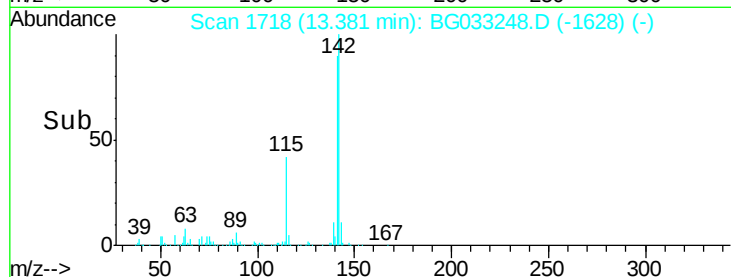
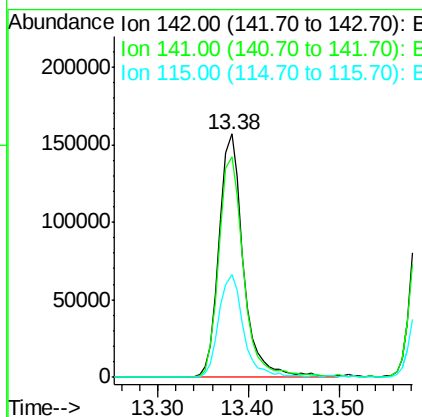
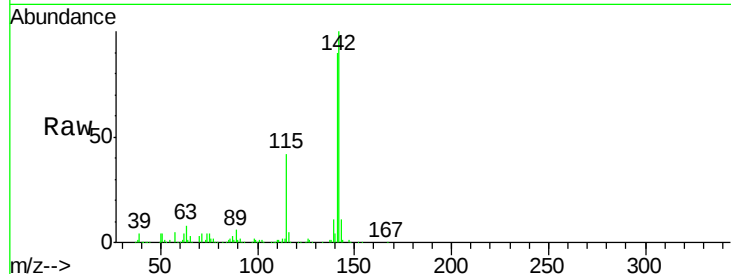
#37  
2-Methylnaphthalene  
Concen: 44.479 ng  
RT: 13.38 min Scan# 1718  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.5  | 67.1  | 100.7 |
| 115     | 42.5  | 30.7  | 46.1  |

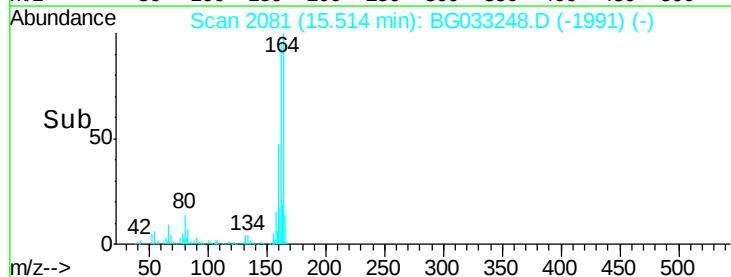
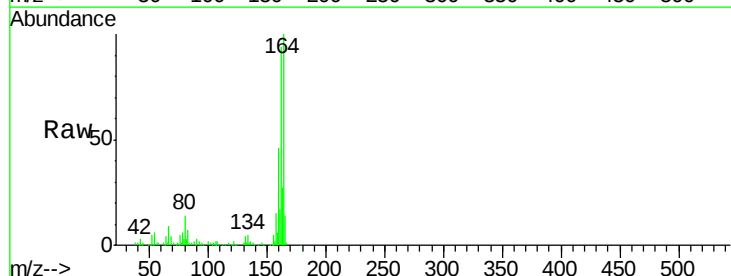
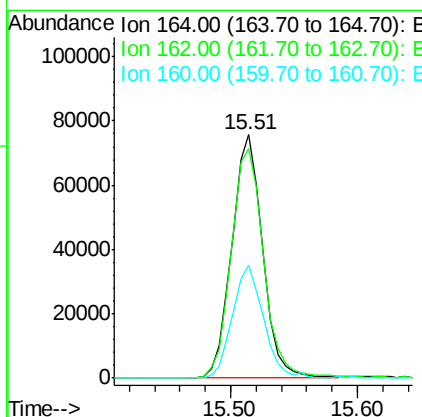
Manual Integrations  
APPROVED

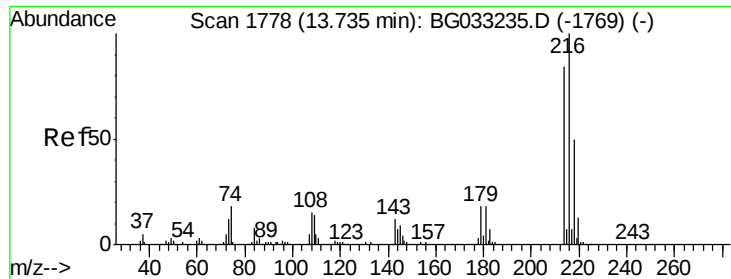
Sohil  
3/20/2018 6:29:40 PM



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.51 min Scan# 2081  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.1  | 78.8  | 118.2 |
| 160     | 46.3  | 35.4  | 53.0  |





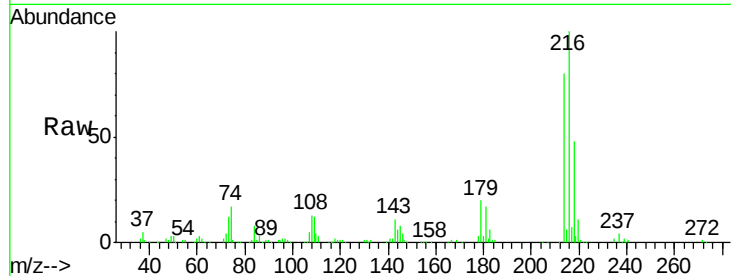
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.263 ng  
 RT: 13.73 min Scan# 1778  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

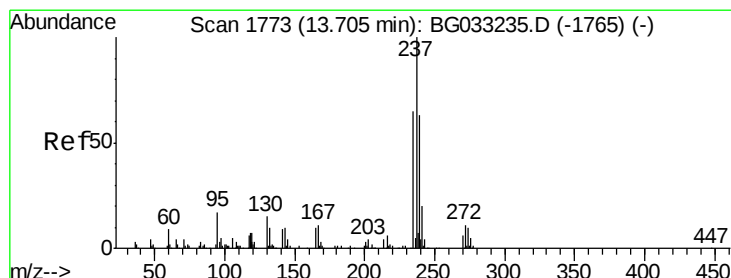
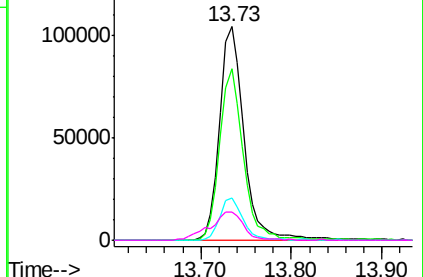
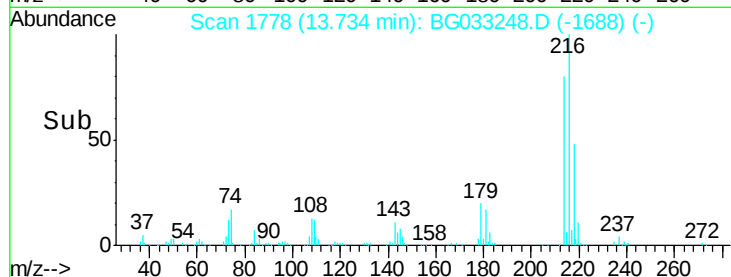
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 193887 |       |       |
| 214     | 79.0 |       | 63.0   | 94.4  |       |
| 179     | 19.0 |       | 17.0   | 25.6  |       |
| 108     | 18.4 |       | 12.8   | 19.2  |       |

Manual Integrations  
 APPROVED

Sohil  
 3/20/2018 6:29:40 PM

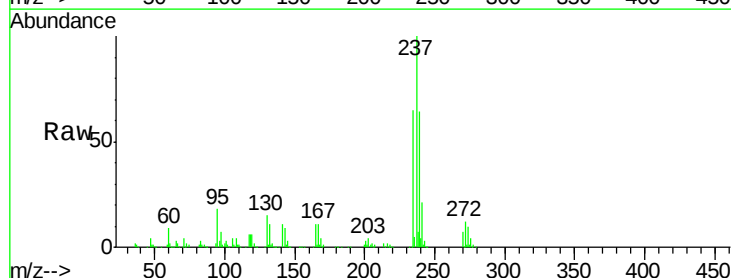


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

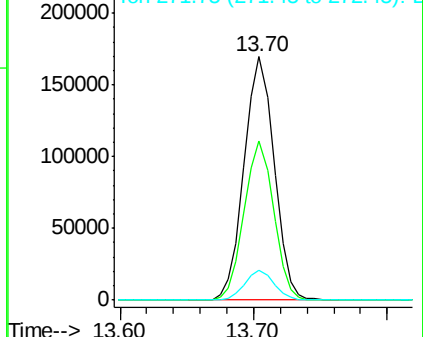
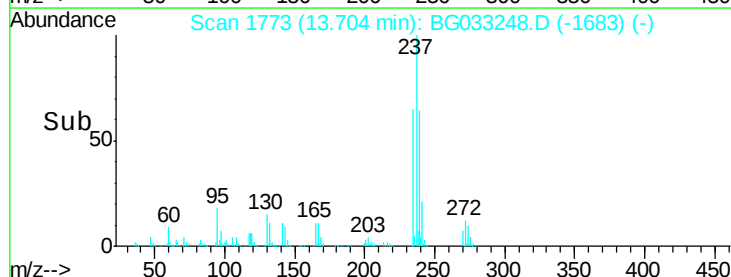


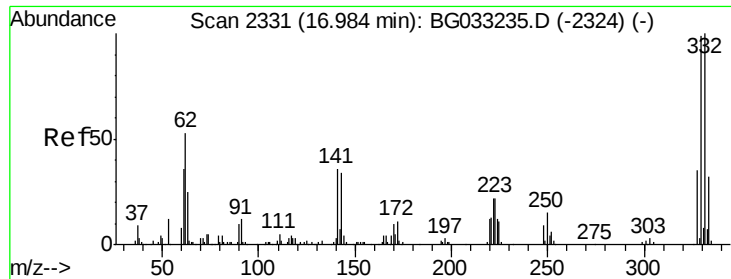
#40  
 Hexachlorocyclopentadiene  
 Concen: 98.337 ng  
 RT: 13.70 min Scan# 1773  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 237     | 100  |       | 264465 |       |       |
| 235     | 65.2 |       | 50.4   | 90.4  |       |
| 272     | 12.1 |       | 0.0    | 31.8  |       |



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





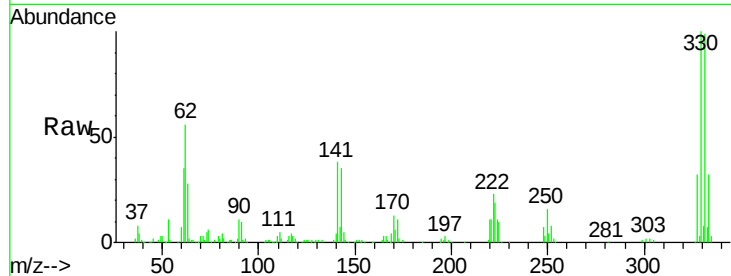
#41  
 2,4,6-Tribromophenol  
 Concen: 95.096 ng  
 RT: 16.98 min Scan# 2331  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB107449BSD

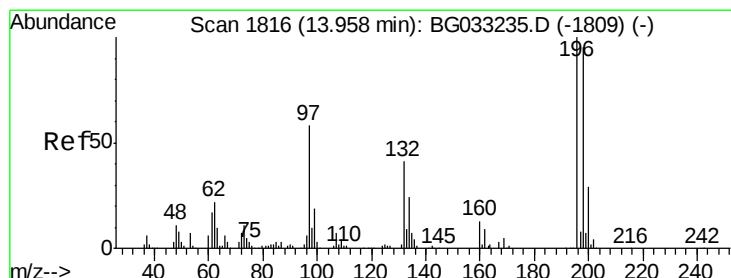
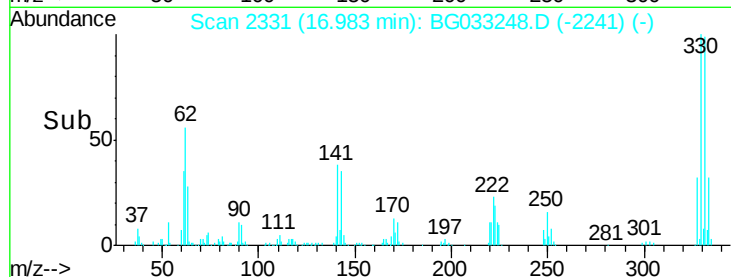
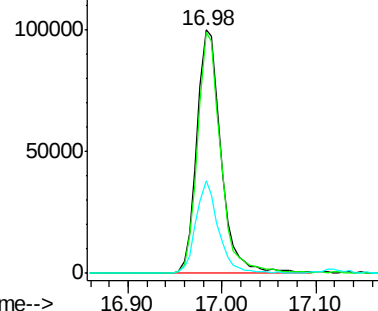
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 95.0  | 77.0 | 115.6 |       |
| 141     | 35.5  | 25.2 | 37.8  |       |

Manual Integrations  
 APPROVED

Sohil  
 3/20/2018 6:29:40 PM

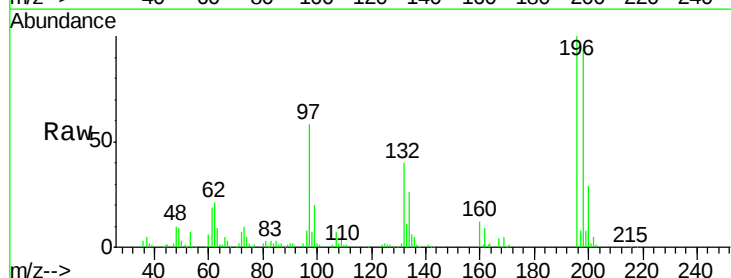


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

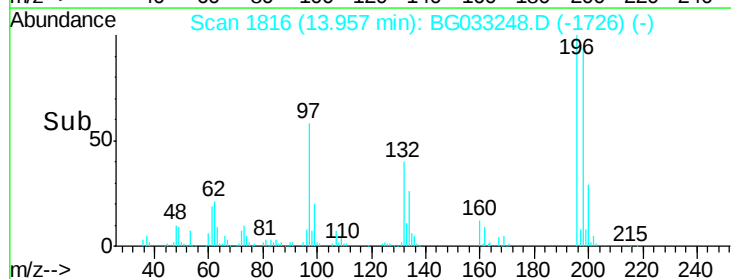
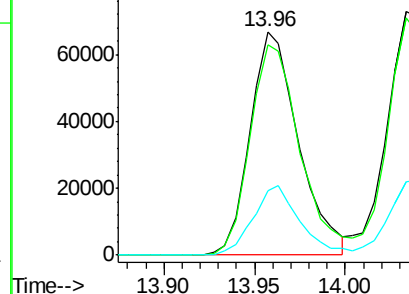


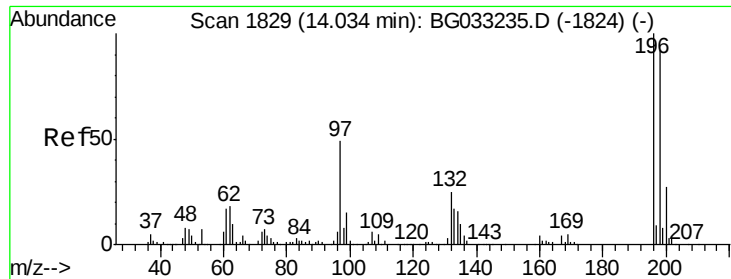
#42  
 2,4,6-Trichlorophenol  
 Concen: 46.370 ng  
 RT: 13.96 min Scan# 1816  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 196     | 100   |      |       |       |
| 198     | 94.2  | 78.2 | 117.2 |       |
| 200     | 28.9  | 24.6 | 36.8  |       |



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





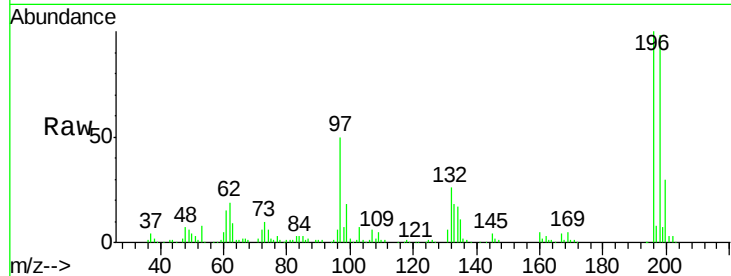
#43  
 2,4,5-Trichlorophenol  
 Concen: 47.889 ng  
 RT: 14.03 min Scan# 1829  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

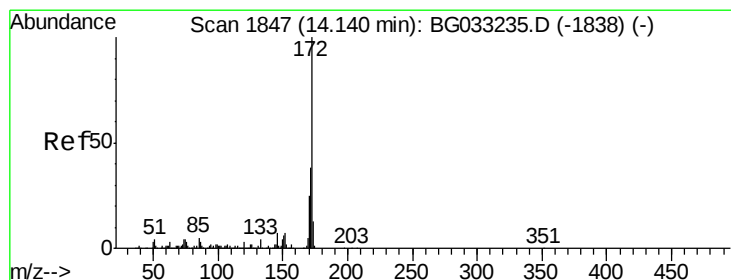
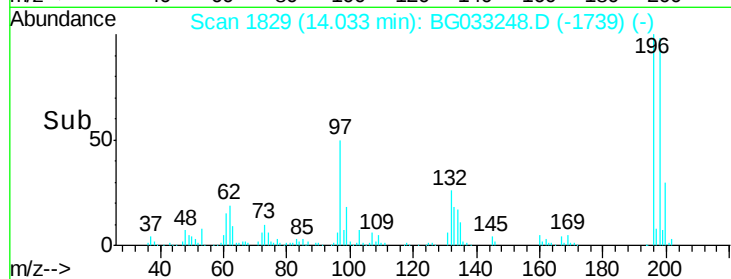
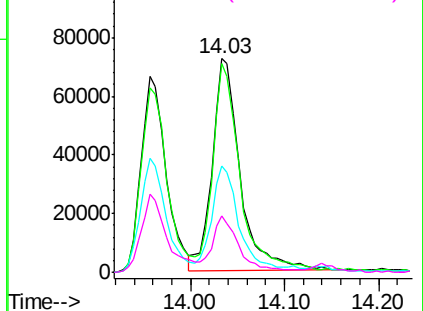
| Tot Ion   | 196   | Resp  | 150875 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 97.6  | 76.2  | 114.4  |
| 97        | 49.8  | 38.7  | 58.1   |
| 132       | 26.4  | 20.2  | 30.2   |

Manual Integrations  
 APPROVED

Sohil  
 3/20/2018 6:29:40 PM

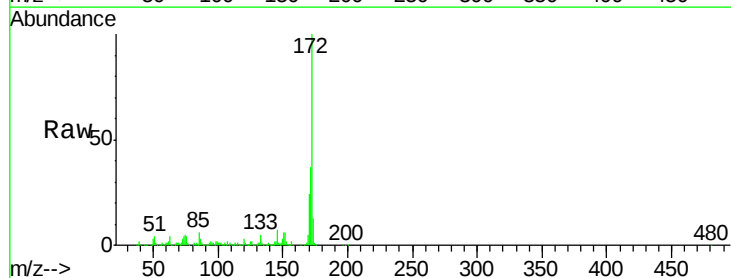


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BG  
 Ion 132.00 (131.70 to 132.70): E

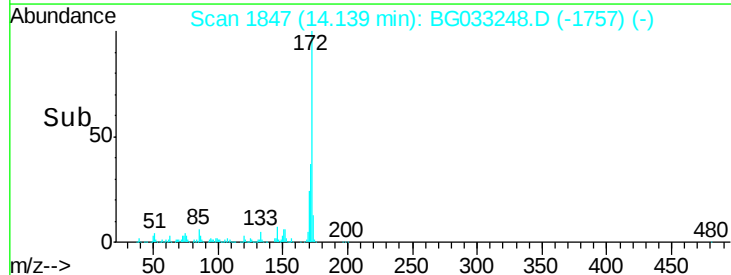
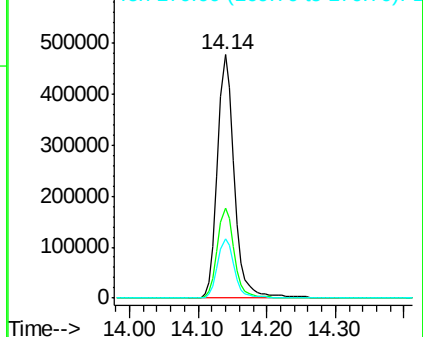


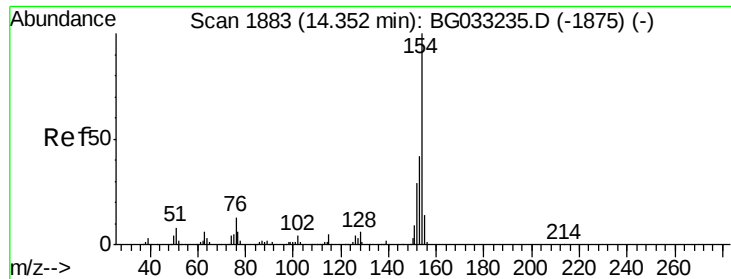
#44  
 2-Fluorobiphenyl  
 Concen: 92.577 ng  
 RT: 14.14 min Scan# 1847  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

| Tgt Ion   | 172   | Resp  | 812174 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 37.0  | 30.0  | 45.0   |
| 170       | 24.4  | 19.5  | 29.3   |



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





#45

1,1'-Biphenyl

Concen: 41.904 ng

RT: 14.35 min Scan# 1883

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

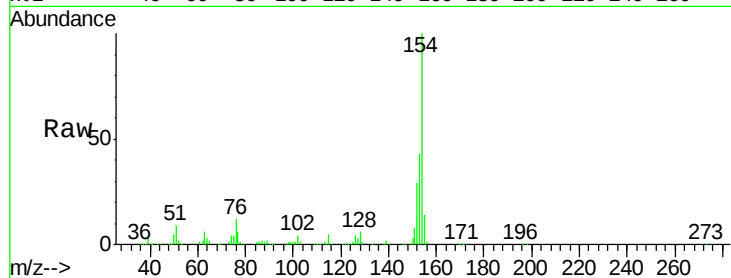
ClientSampleId :

PB107449BSD

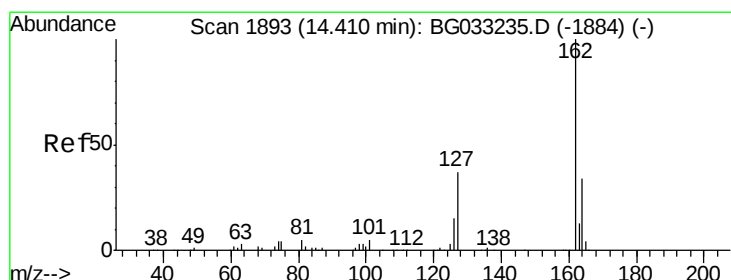
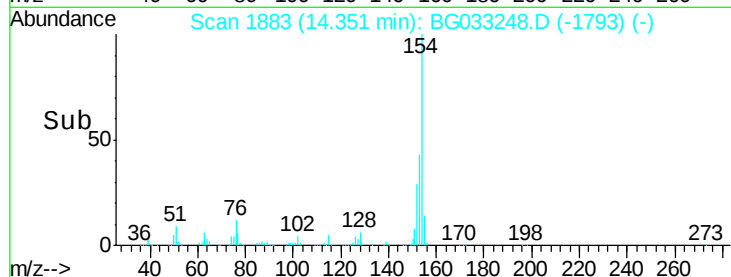
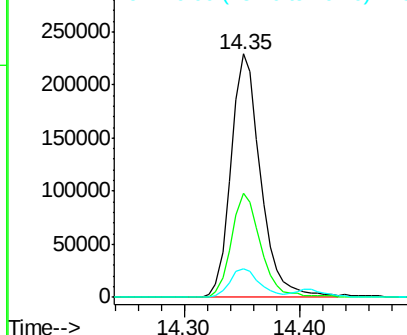
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 407733 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 42.6  | 19.8  | 59.8   |
| 76        | 11.8  | 0.0   | 31.9   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



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



#46

2-Chloronaphthalene

Concen: 42.533 ng

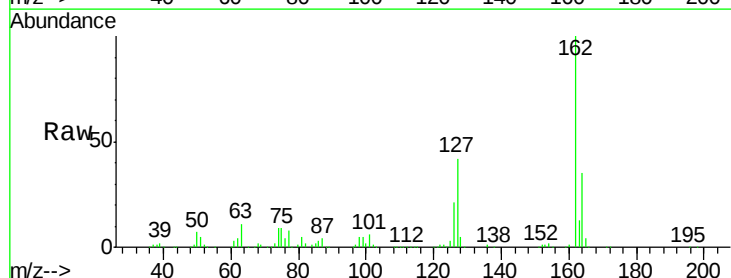
RT: 14.41 min Scan# 1893

Delta R.T. -0.00 min

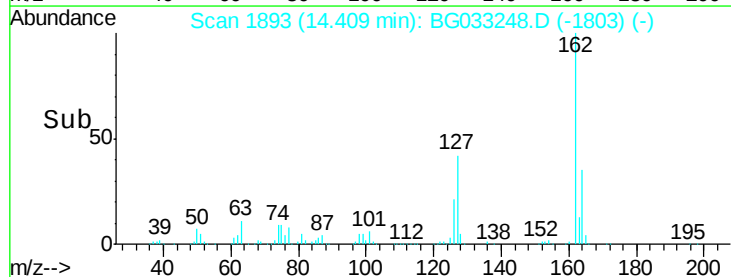
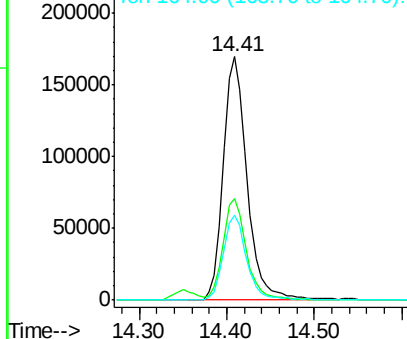
Lab File: BG033248.D

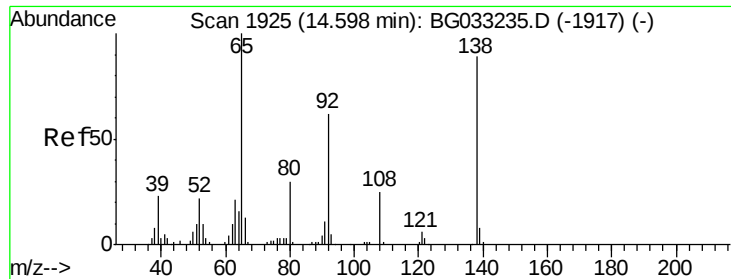
Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 319104 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 41.5  | 30.7  | 46.1   |
| 164       | 34.7  | 26.0  | 39.0   |



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





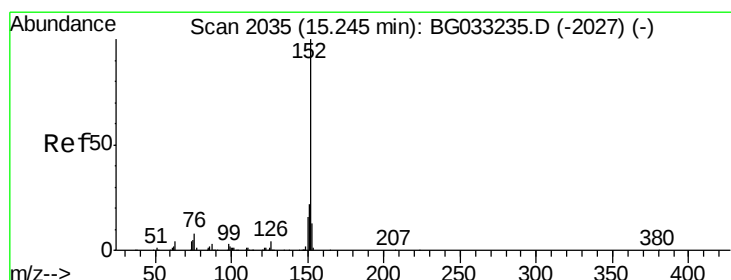
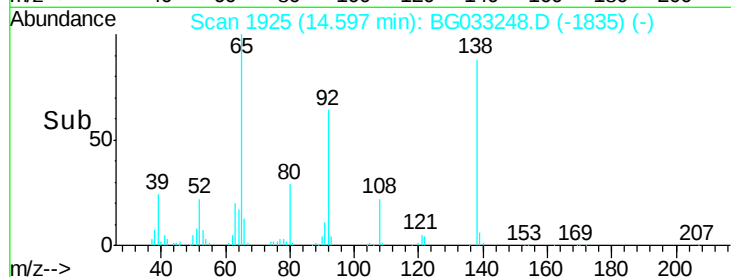
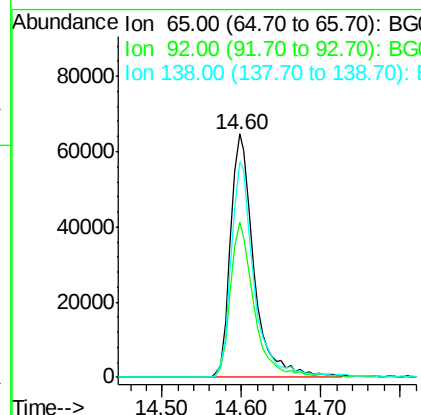
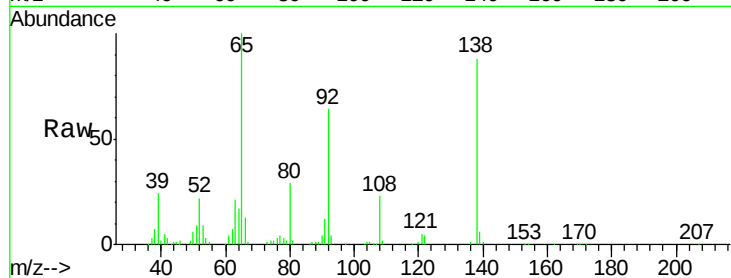
#47  
2-Nitroaniline  
Concen: 47.296 ng  
RT: 14.60 min Scan# 1925  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.0  | 54.6  | 82.0  |
| 138     | 88.3  | 72.9  | 109.3 |

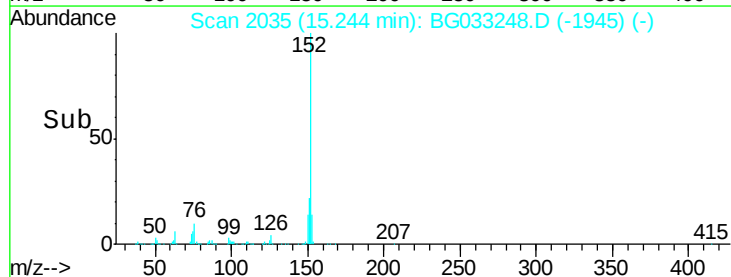
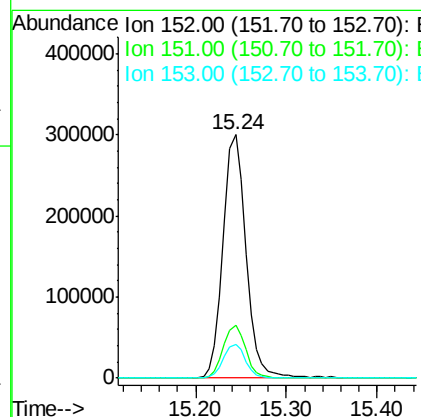
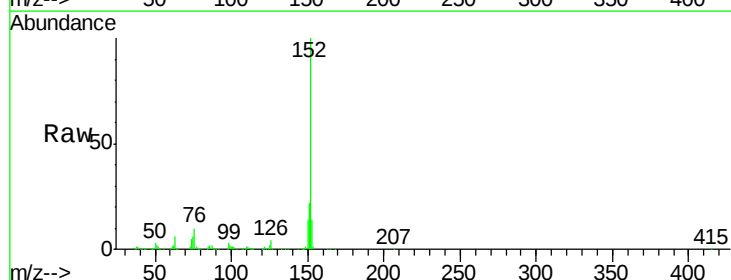
Manual Integrations  
APPROVED

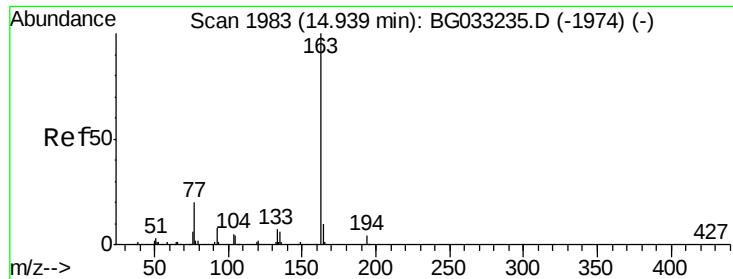
Sohil  
3/20/2018 6:29:40 PM



#48  
Acenaphthylene  
Concen: 42.098 ng  
RT: 15.24 min Scan# 2035  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.6  | 17.2  | 25.8  |
| 153     | 13.8  | 10.2  | 15.4  |





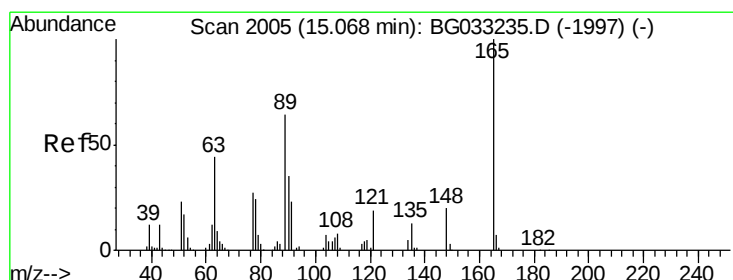
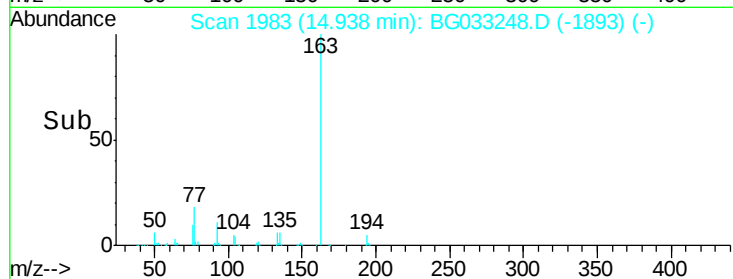
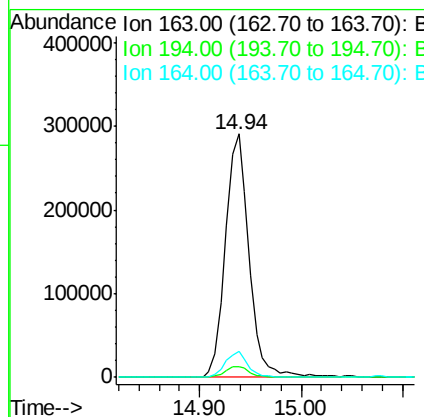
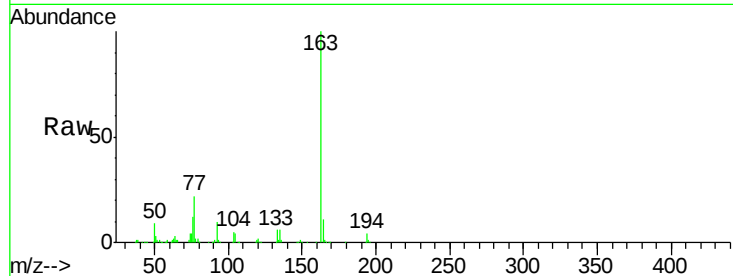
#49  
Dimethylphthalate  
Concen: 42.784 ng  
RT: 14.94 min Scan# 1983  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 471568 |       |       |
| 194     | 4.3   |        | 3.4   | 5.2   |
| 164     | 10.5  |        | 8.2   | 12.4  |

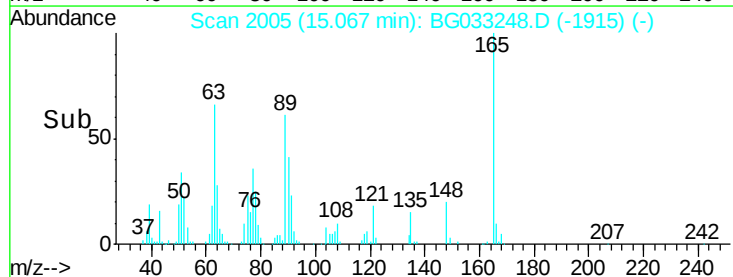
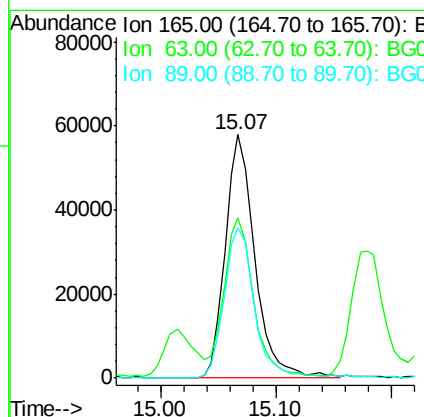
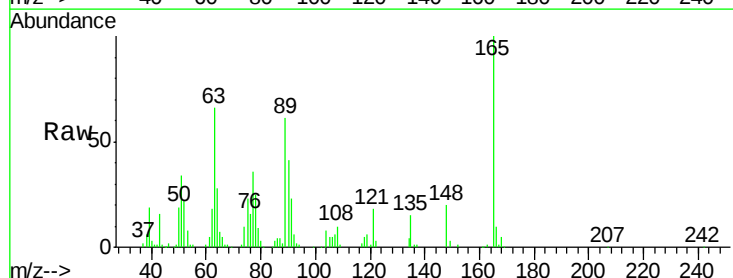
Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#50  
2,6-Dinitrotoluene  
Concen: 45.656 ng  
RT: 15.07 min Scan# 2005  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 102894 |       |       |
| 63      | 66.1  |        | 52.7  | 79.1  |
| 89      | 61.5  |        | 49.2  | 73.8  |





#51

Acenaphthene

Concen: 49.561 ng

RT: 15.57 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

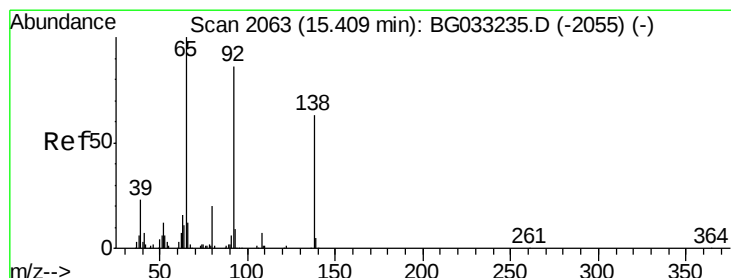
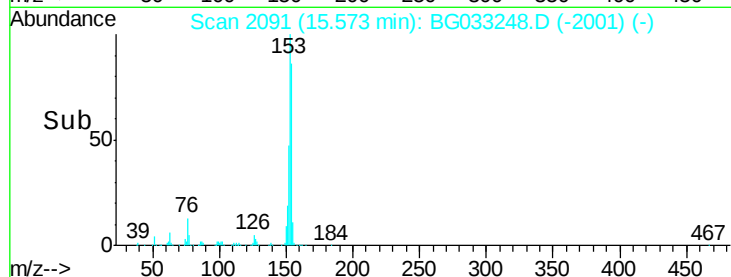
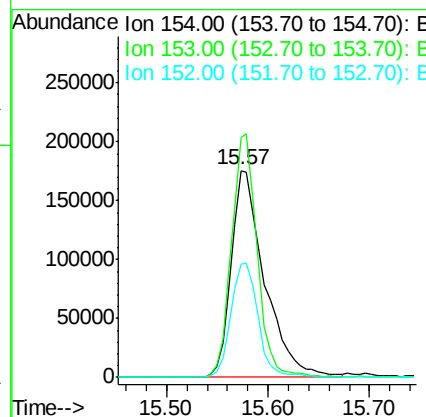
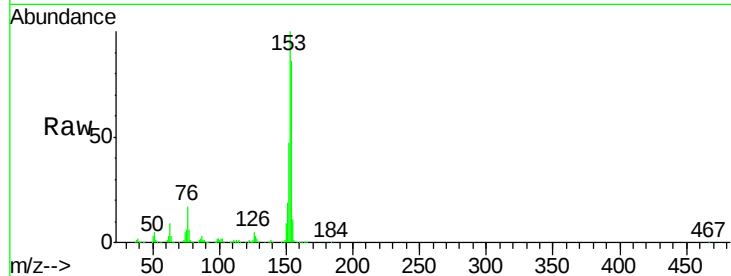
ClientSampleId :

PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 400099 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 116.2 | 90.4  | 135.6  |
| 152       | 54.7  | 41.6  | 62.4   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#52

3-Nitroaniline

Concen: 22.710 ng

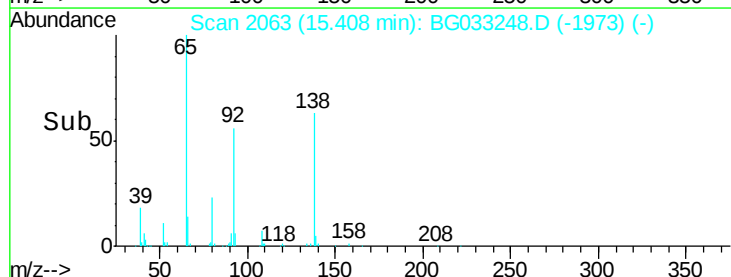
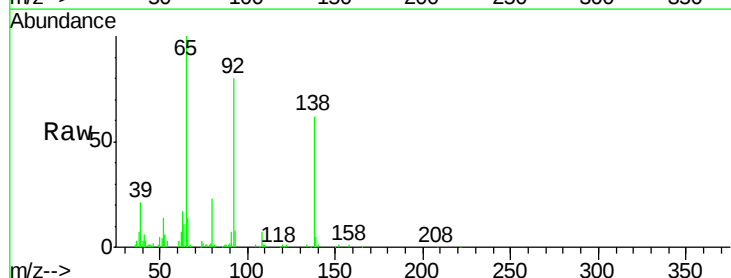
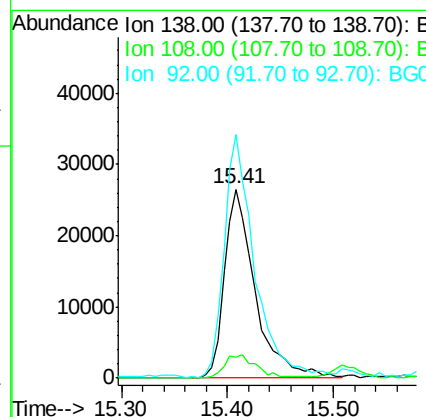
RT: 15.41 min Scan# 2063

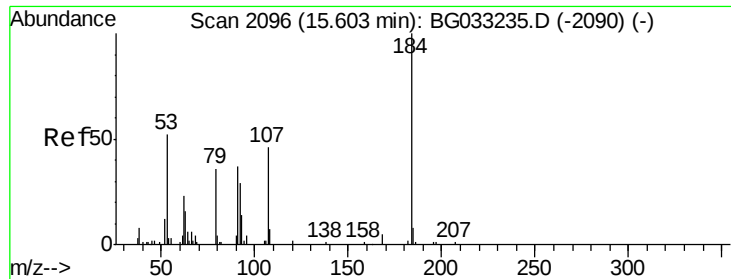
Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 53659 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 11.0  | 17.5  | 26.3# |
| 92        | 129.0 | 105.8 | 158.8 |





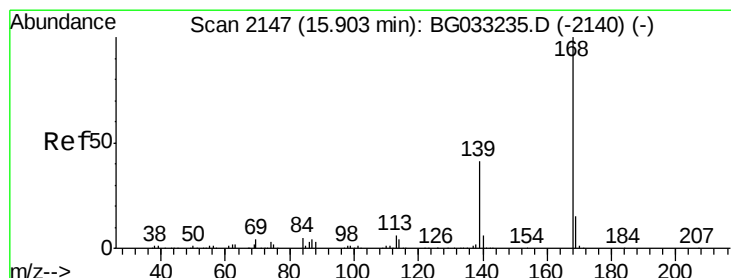
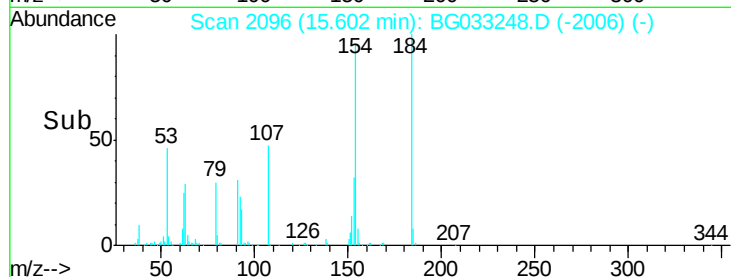
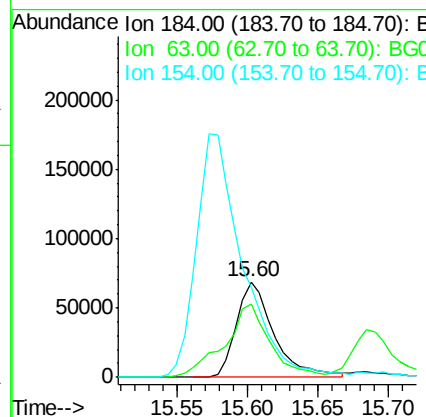
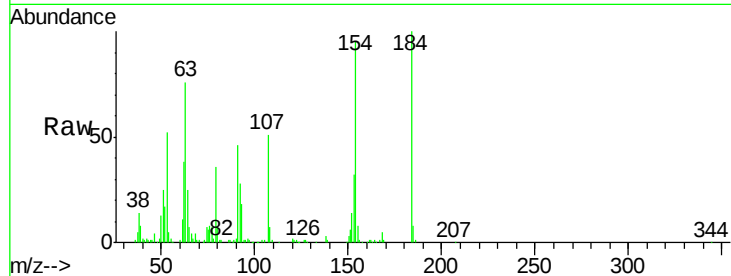
#53  
2,4-Dinitrophenol  
Concen: 106.794 ng  
RT: 15.60 min Scan# 2096  
Delta R.T. 0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 76.3  | 59.8  | 89.8   |
| 154     | 95.0  | 101.8 | 152.8# |

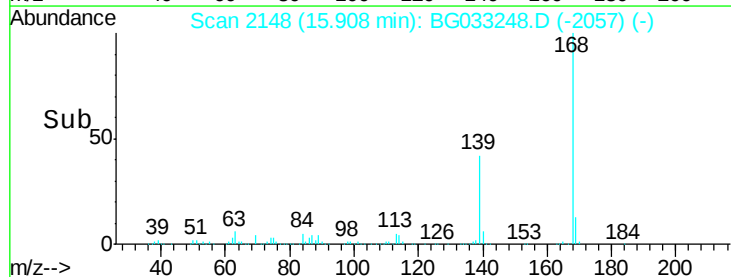
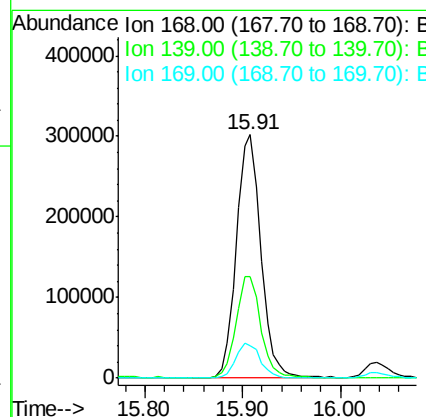
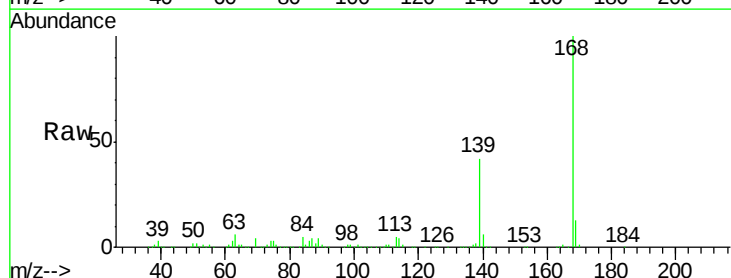
Manual Integrations  
APPROVED

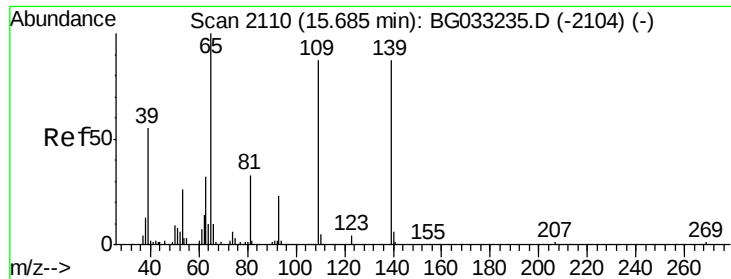
Sohil  
3/20/2018 6:29:40 PM



#54  
Dibenzofuran  
Concen: 44.285 ng  
RT: 15.91 min Scan# 2148  
Delta R.T. 0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 41.9  | 28.6  | 43.0  |
| 169     | 13.3  | 11.2  | 16.8  |





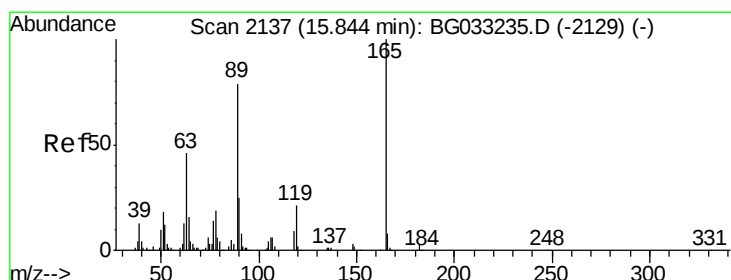
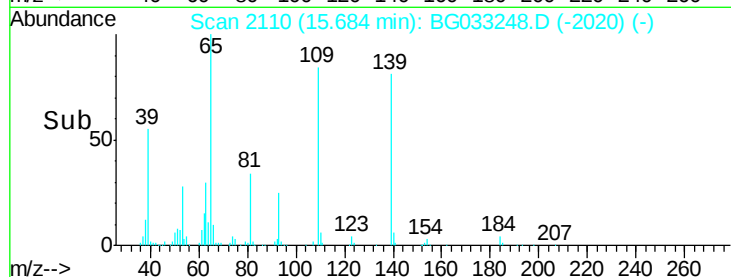
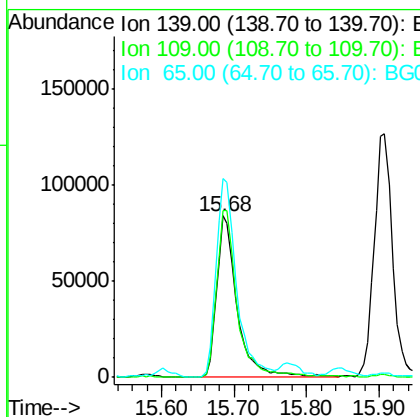
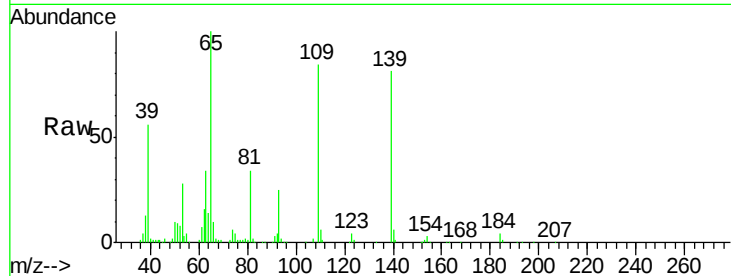
#55  
4-Nitrophenol  
Concen: 99.349 ng  
RT: 15.68 min Scan# 2110  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Resp | Lower  | Upper |
|---------|-------|------|--------|-------|
| 139     | 100   |      |        |       |
| 109     | 103.4 | 62.2 | 102.2# |       |
| 65      | 123.1 | 97.2 | 137.2  |       |

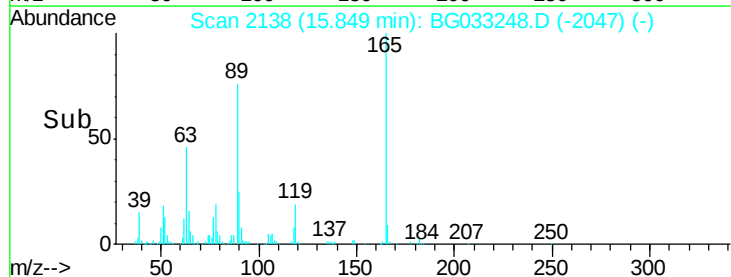
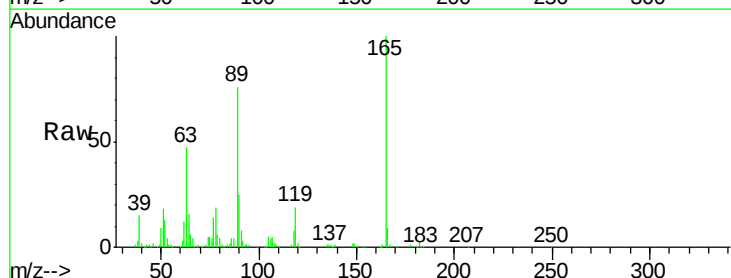
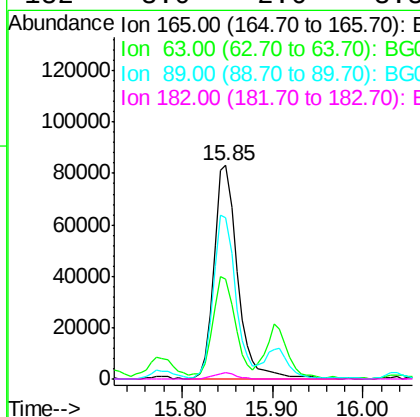
Manual Integrations  
APPROVED

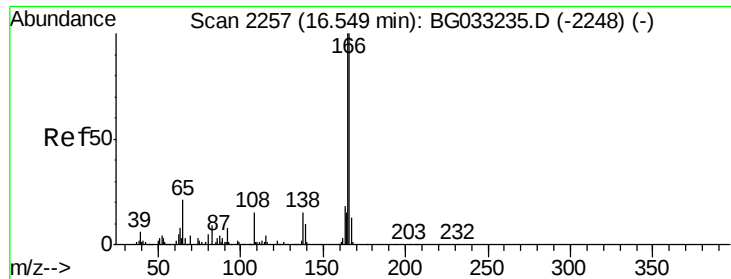
Sohil  
3/20/2018 6:29:40 PM



#56  
2,4-Dinitrotoluene  
Concen: 45.289 ng  
RT: 15.85 min Scan# 2138  
Delta R.T. 0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 46.5  | 42.0 | 63.0  |       |
| 89      | 75.8  | 66.9 | 100.3 |       |
| 182     | 3.0   | 2.6  | 3.8   |       |





#57

Fluorene

Concen: 43.176 ng

RT: 16.55 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

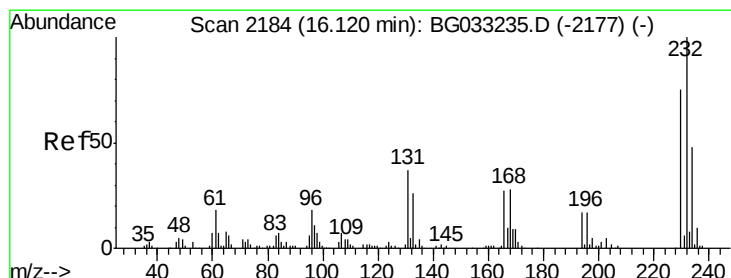
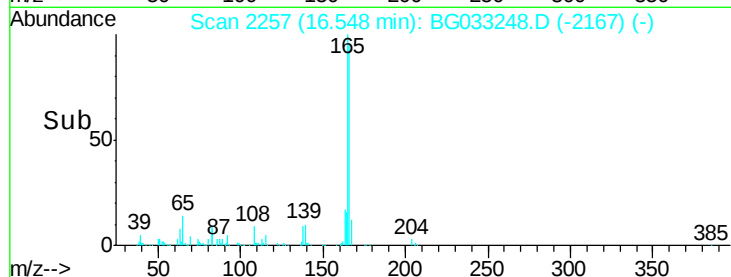
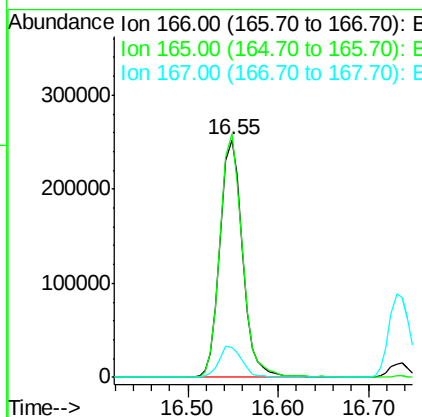
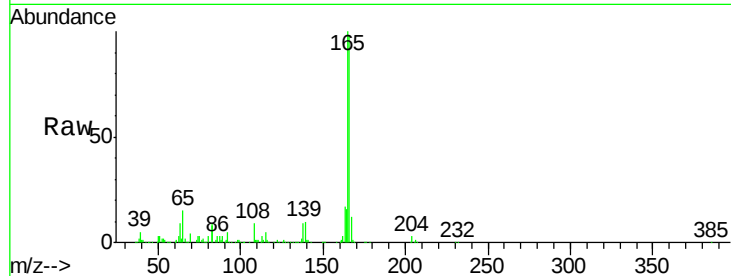
ClientSampleId :

PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 438626 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 102.5 | 80.6  | 121.0  |
| 167       | 12.6  | 10.4  | 15.6   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.982 ng

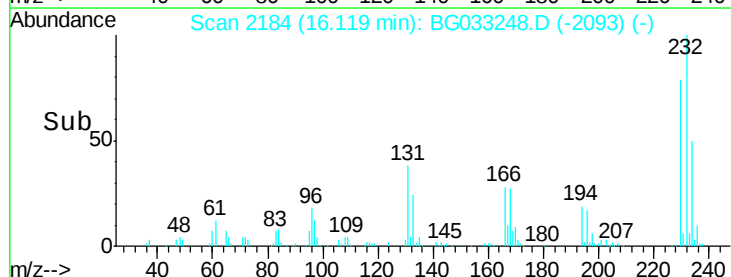
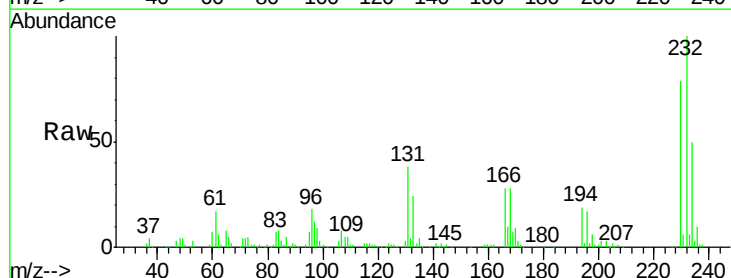
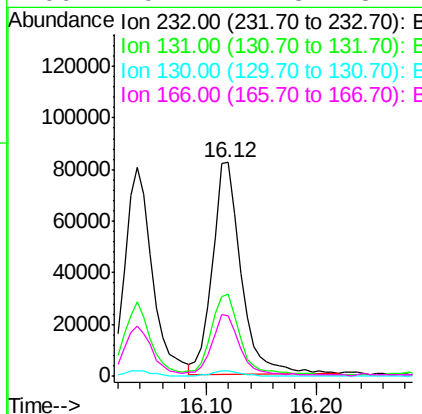
RT: 16.12 min Scan# 2184

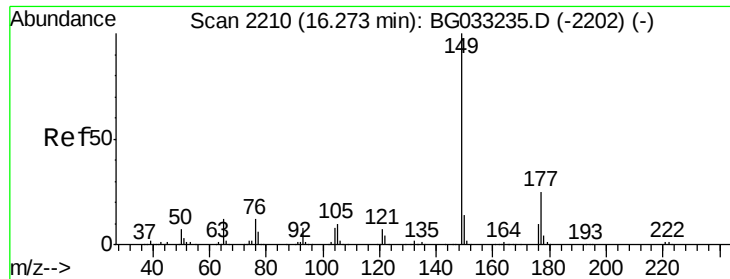
Delta R.T. 0.01 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 232   | Resp: | 148245 |
| Ion Ratio | Lower | Upper |        |
| 232       | 100   |       |        |
| 131       | 39.4  | 33.5  | 50.3   |
| 130       | 2.4   | 2.2   | 3.2    |
| 166       | 29.1  | 24.8  | 37.2   |





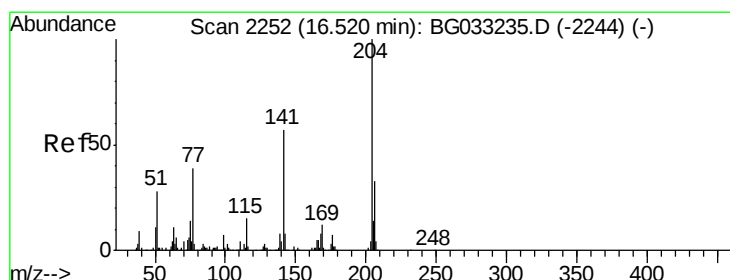
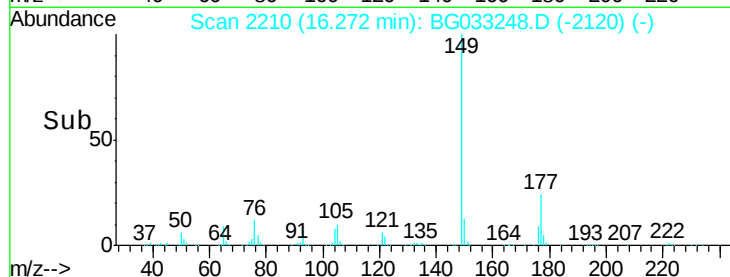
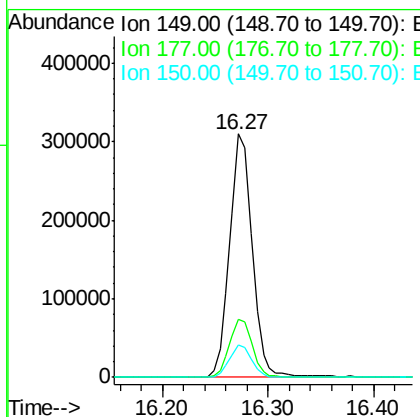
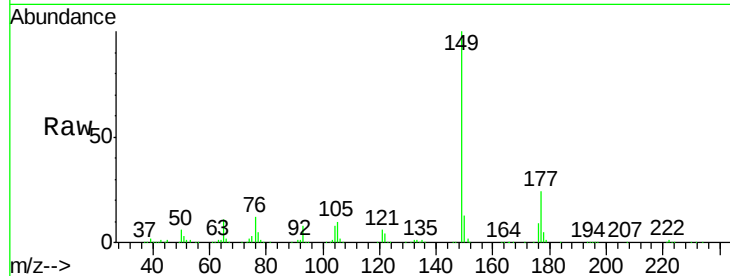
#59  
Diethylphthalate  
Concen: 42.790 ng  
RT: 16.27 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.0  | 18.5  | 27.7  |
| 150     | 13.1  | 10.2  | 15.2  |

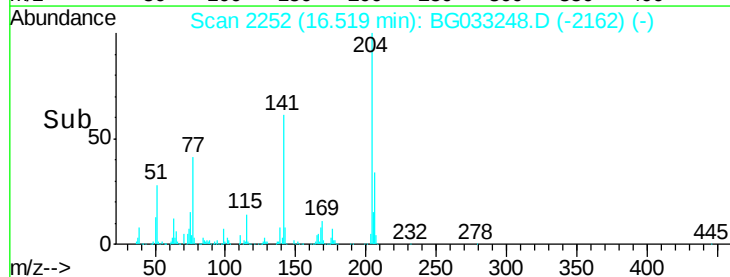
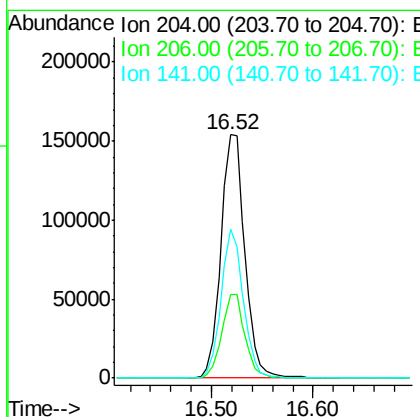
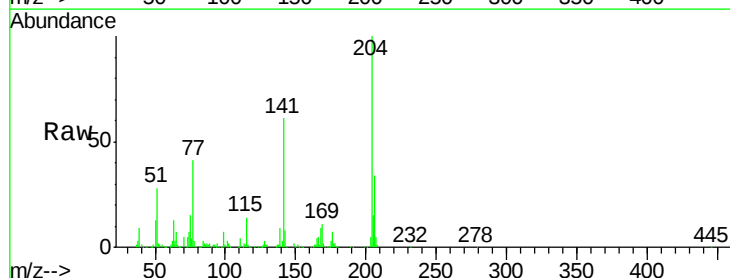
Manual Integrations  
APPROVED

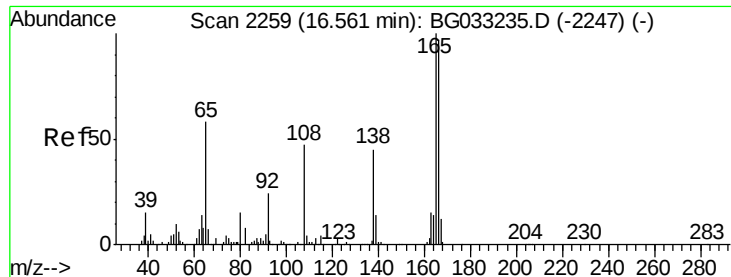
Sohil  
3/20/2018 6:29:40 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 43.263 ng  
RT: 16.52 min Scan# 2252  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.4  | 26.2  | 39.2  |
| 141     | 61.1  | 45.8  | 68.6  |





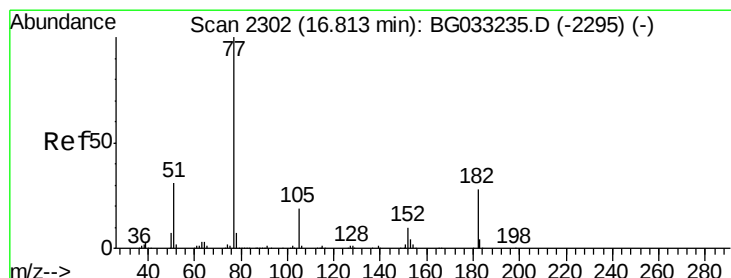
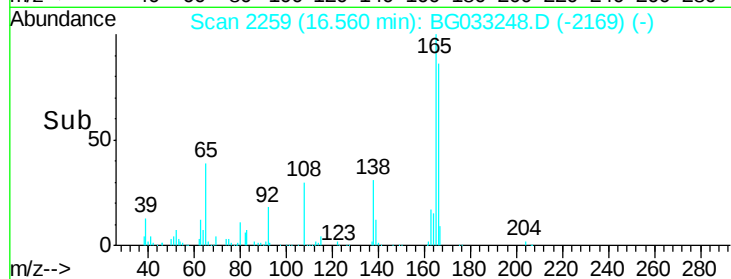
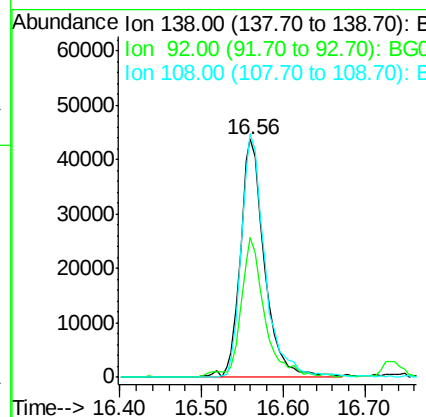
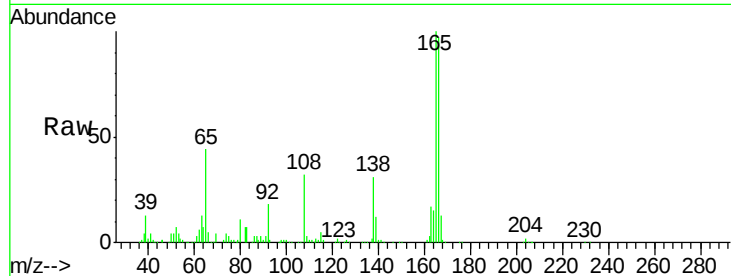
#61  
4-Nitroaniline  
Concen: 37.689 ng  
RT: 16.56 min Scan# 2259  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 58.7  | 40.1  | 80.1  |
| 108     | 102.3 | 65.4  | 105.4 |

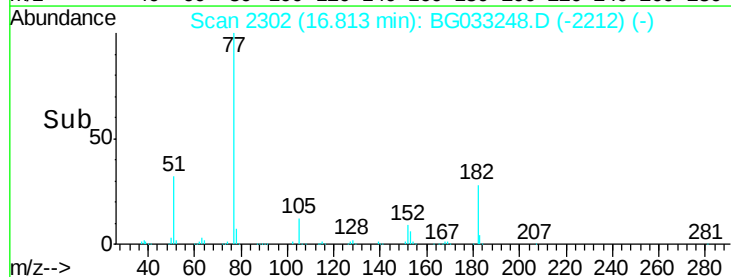
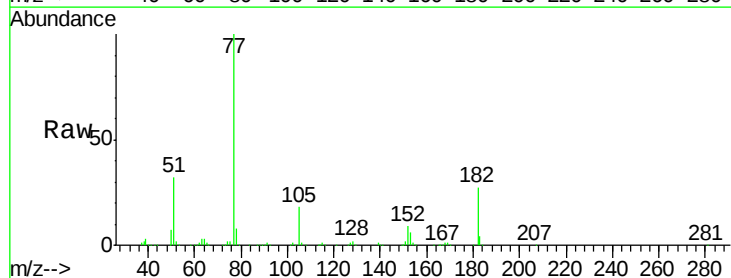
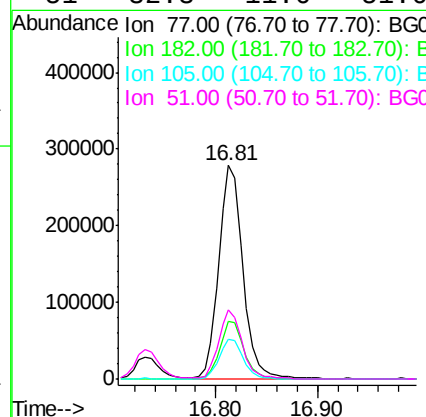
Manual Integrations  
APPROVED

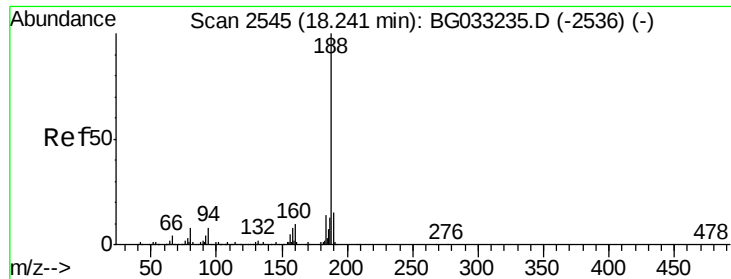
Sohil  
3/20/2018 6:29:40 PM



#62  
Azobenzene  
Concen: 44.398 ng  
RT: 16.81 min Scan# 2302  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 26.7  | 7.4   | 47.4  |
| 105     | 18.4  | 0.3   | 40.3  |
| 51      | 32.3  | 11.6  | 51.6  |





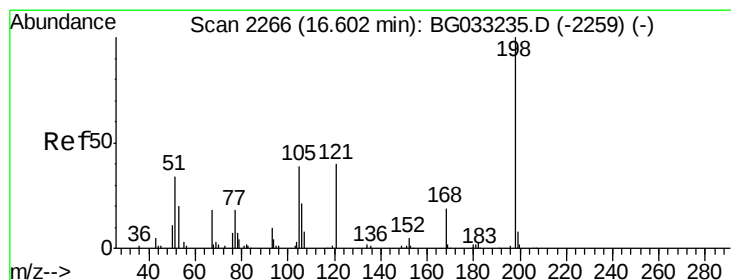
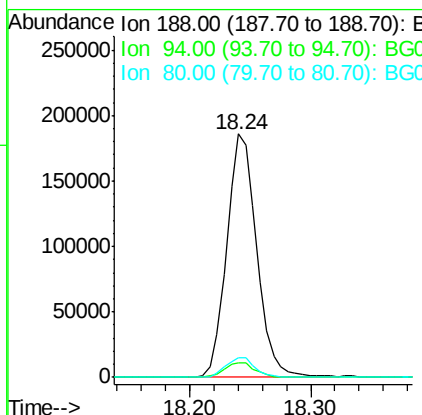
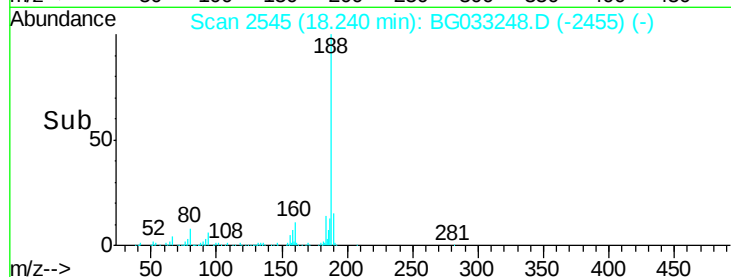
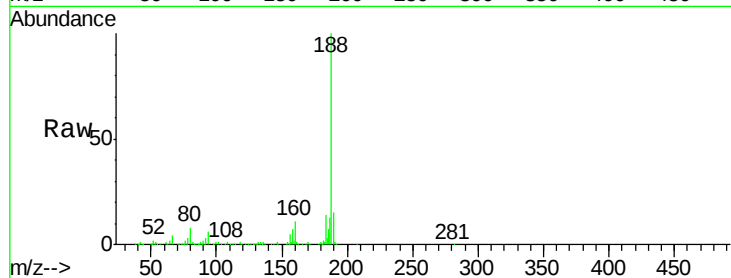
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.24 min Scan# 2545  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 320501 |       |       |
| 94      | 6.2   |        | 6.9   | 10.3# |
| 80      | 7.8   |        | 7.7   | 11.5  |

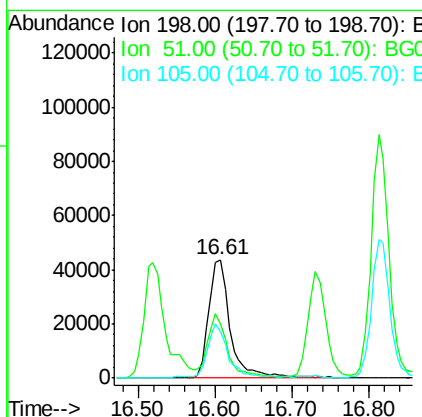
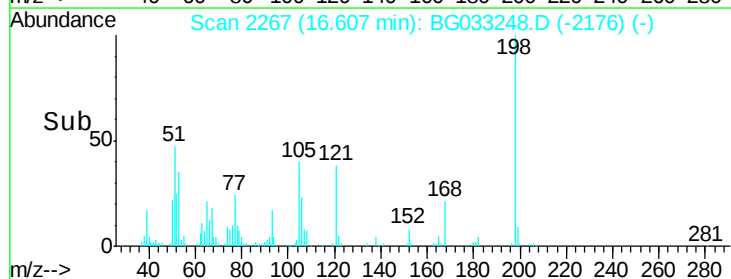
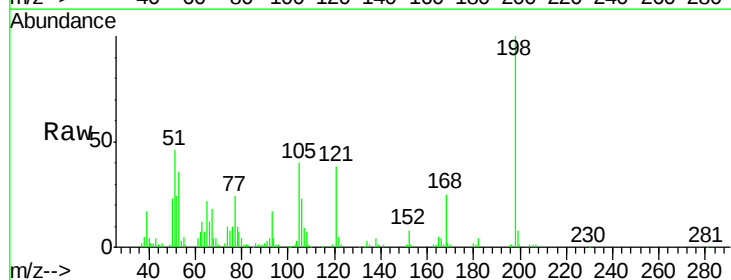
Manual Integrations  
APPROVED

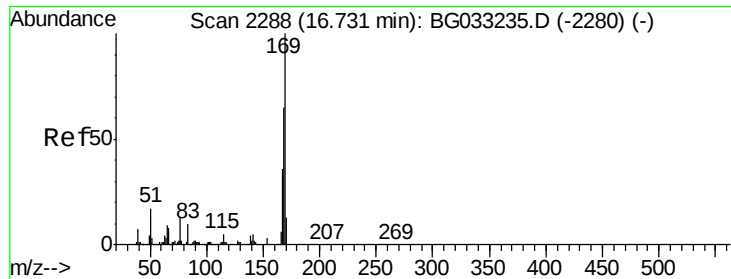
Sohil  
3/20/2018 6:29:40 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 44.191 ng  
RT: 16.61 min Scan# 2267  
Delta R.T. 0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 84728 |       |       |
| 51      | 46.0  |       | 30.6  | 70.6  |
| 105     | 39.8  |       | 23.8  | 63.8  |





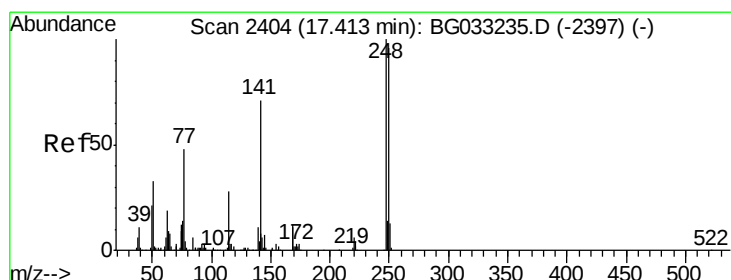
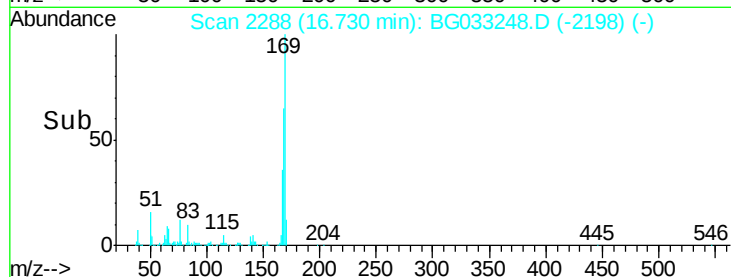
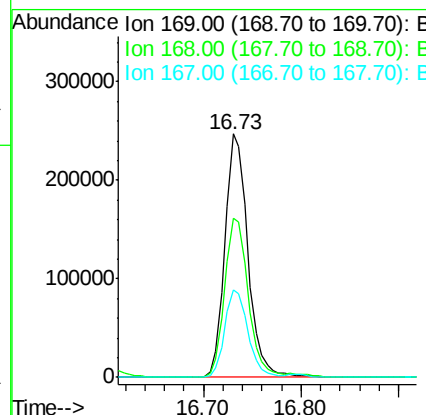
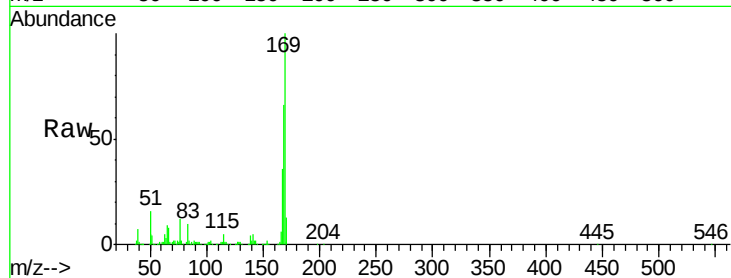
#65  
n-Nitrosodiphenylamine  
Concen: 44.263 ng  
RT: 16.73 min Scan# 2288  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 169     | 100   |      |       |       |
| 168     | 65.5  | 55.7 | 83.5  |       |
| 167     | 35.8  | 30.1 | 45.1  |       |

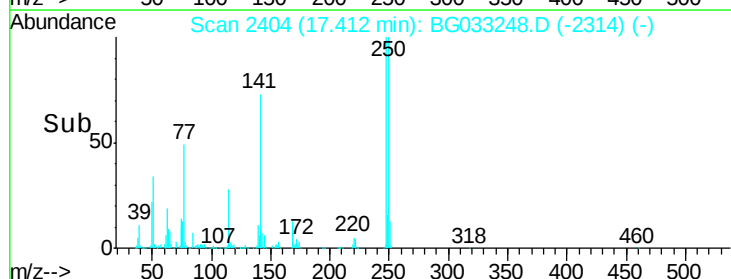
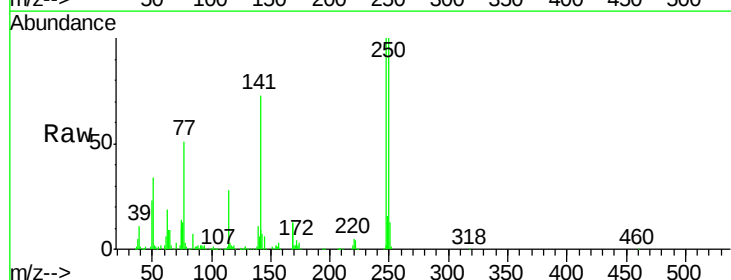
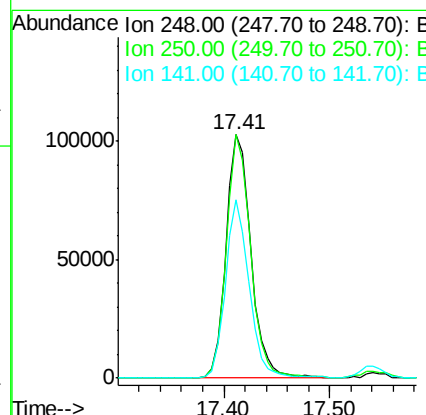
Manual Integrations  
APPROVED

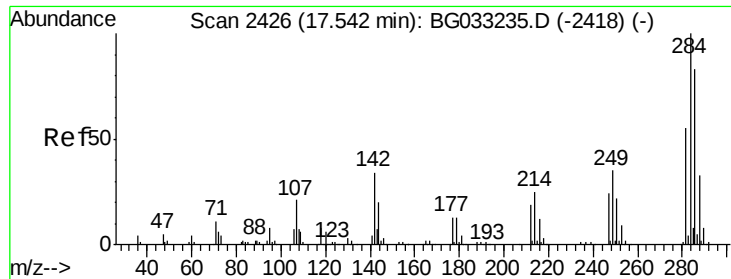
Sohil  
3/20/2018 6:29:40 PM



#66  
4-Bromophenyl-phenylether  
Concen: 44.769 ng  
RT: 17.41 min Scan# 2404  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 248     | 100   |      |       |       |
| 250     | 100.1 | 77.1 | 115.7 |       |
| 141     | 73.6  | 50.8 | 76.2  |       |





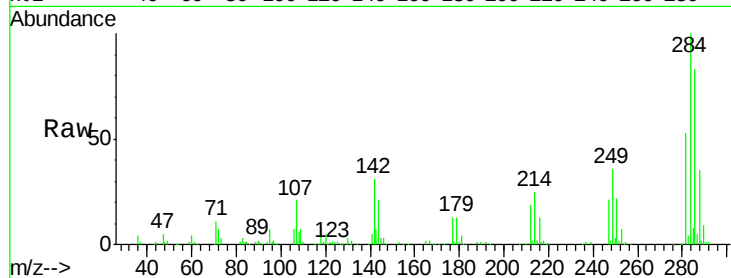
#67  
Hexachlorobenzene  
Concen: 42.617 ng  
RT: 17.54 min Scan# 2426  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

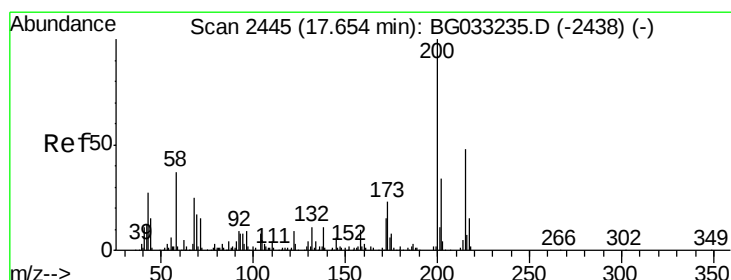
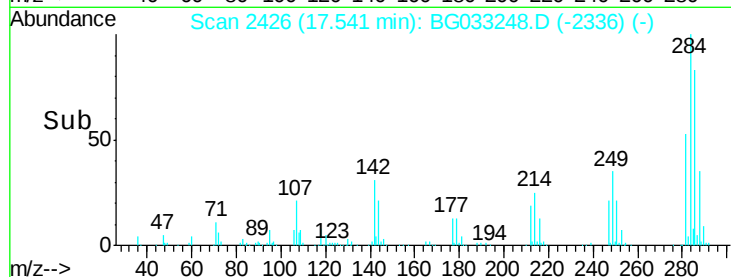
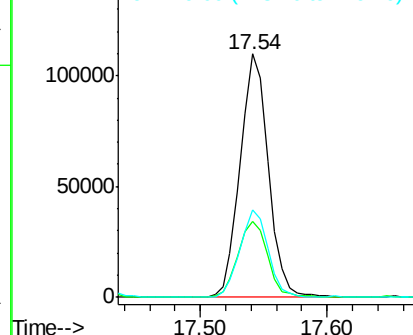
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 169291 |       |       |
| 142     | 31.3  | 26.8   | 40.2  |       |
| 249     | 35.8  | 26.3   | 39.5  |       |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM

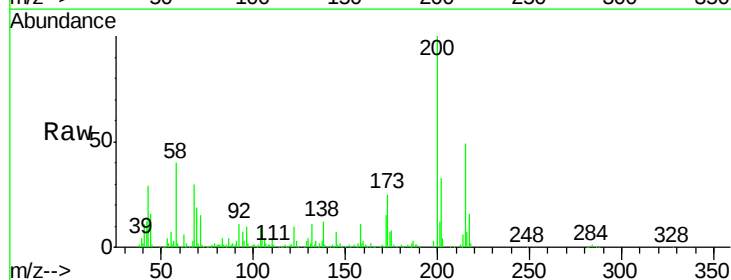


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

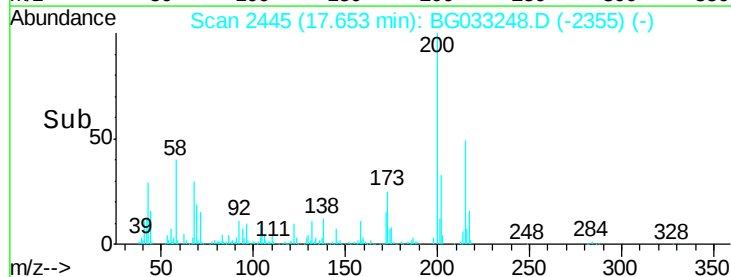
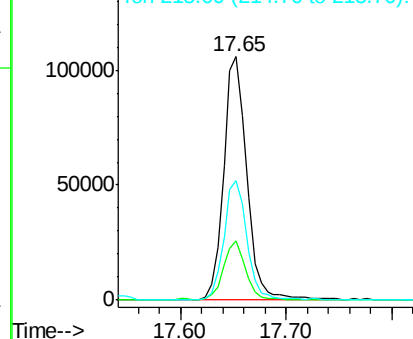


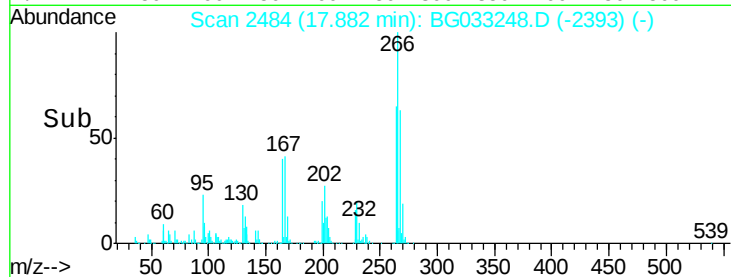
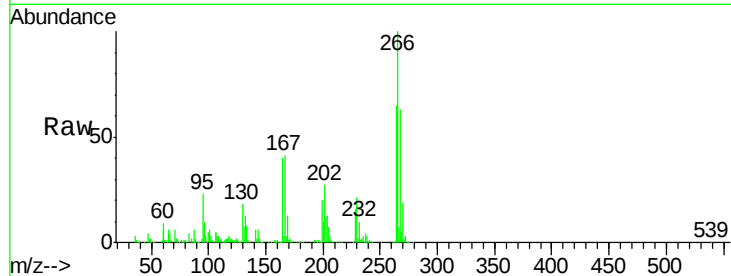
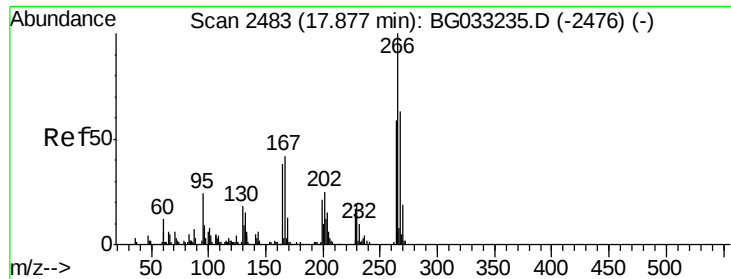
#68  
Atrazine  
Concen: 43.855 ng  
RT: 17.65 min Scan# 2445  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 162602 |       |       |
| 173     | 24.5  | 5.2    | 45.2  |       |
| 215     | 49.2  | 30.4   | 70.4  |       |



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





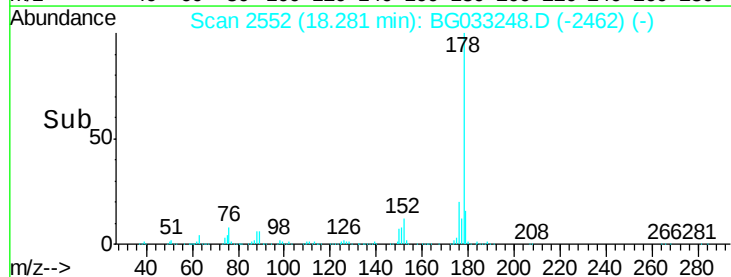
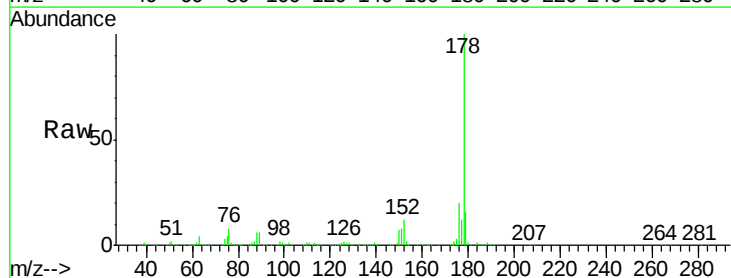
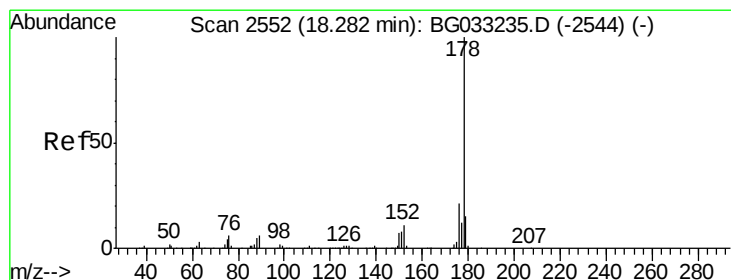
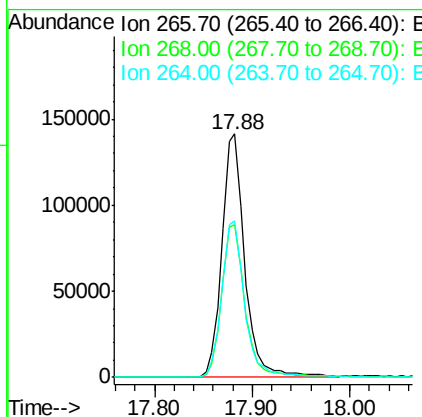
#69  
Pentachlorophenol  
Concen: 84.379 ng  
RT: 17.88 min Scan# 2484  
Delta R.T. 0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 230055 |       |       |
| 268     | 62.5  |        | 51.1  | 76.7  |
| 264     | 64.5  |        | 49.6  | 74.4  |

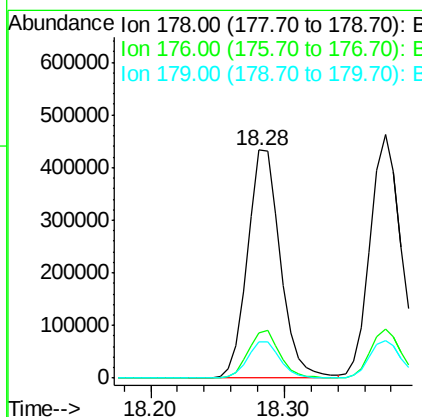
Manual Integrations  
APPROVED

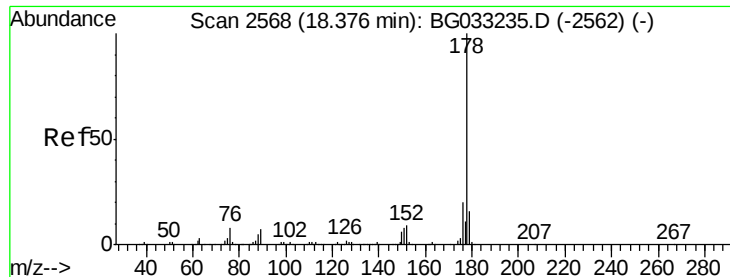
Sohil  
3/20/2018 6:29:40 PM



#70  
Phenanthrene  
Concen: 43.938 ng  
RT: 18.28 min Scan# 2552  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 733393 |       |       |
| 176     | 20.0  |        | 15.7  | 23.5  |
| 179     | 15.8  |        | 12.5  | 18.7  |





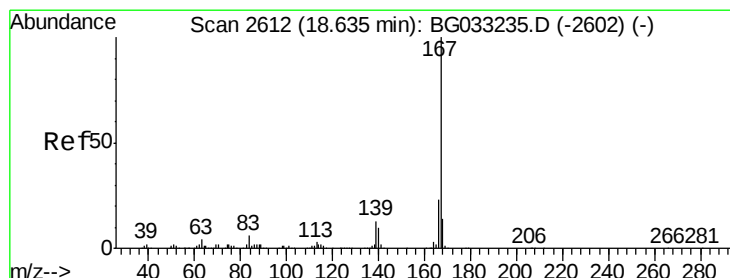
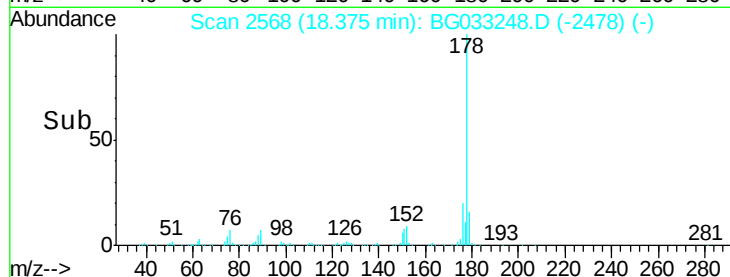
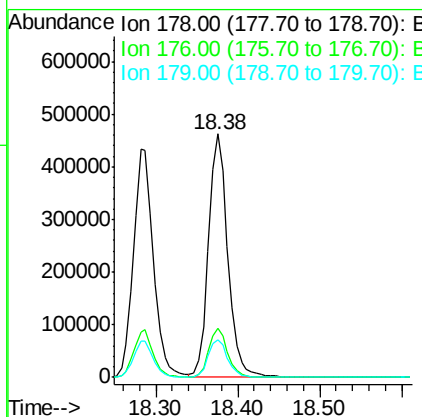
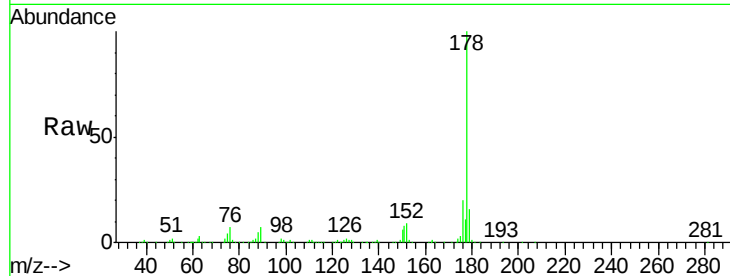
#71  
 Anthracene  
 Concen: 44.723 ng  
 RT: 18.38 min Scan# 2568  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.2  | 16.0  | 24.0  |
| 179     | 15.6  | 12.5  | 18.7  |

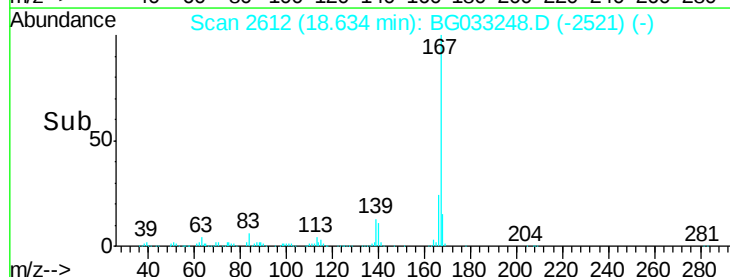
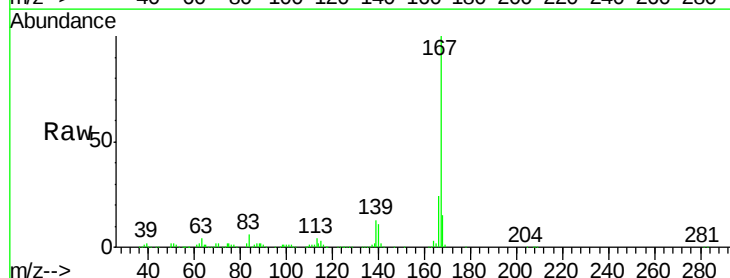
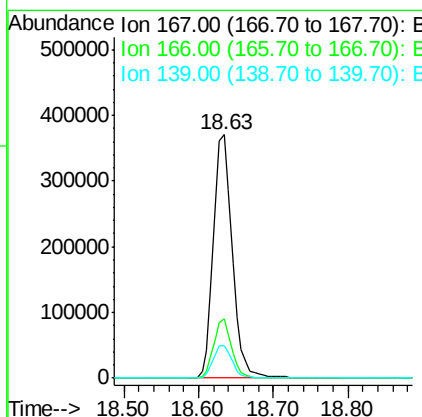
Manual Integrations  
 APPROVED

Sohil  
 3/20/2018 6:29:40 PM



#72  
 Carbazole  
 Concen: 43.564 ng  
 RT: 18.63 min Scan# 2612  
 Delta R.T. 0.01 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 24.2  | 18.2  | 27.4  |
| 139     | 13.2  | 9.4   | 14.2  |





#73

Di-n-butylphthalate

Concen: 42.889 ng

RT: 19.12 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

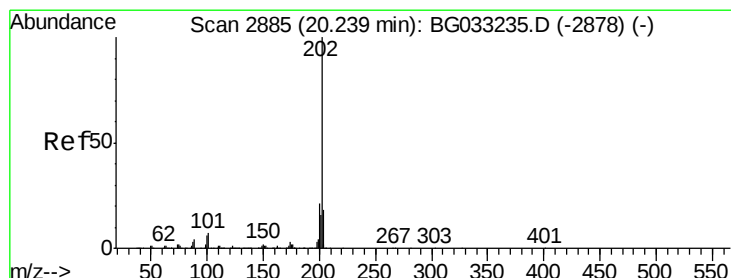
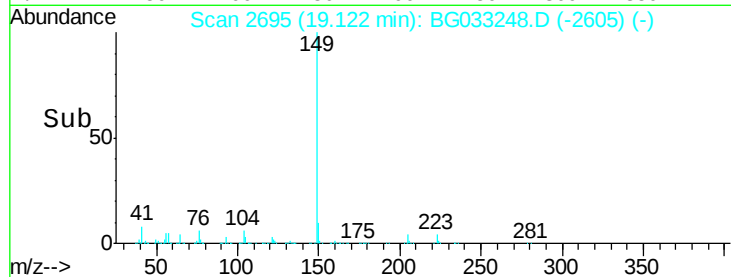
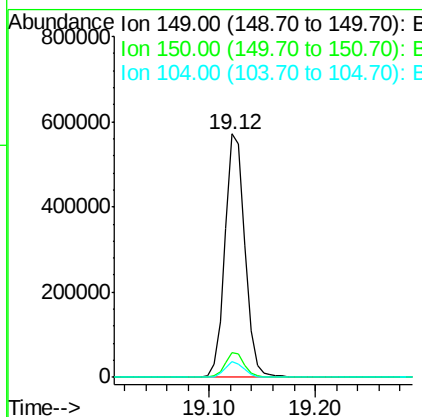
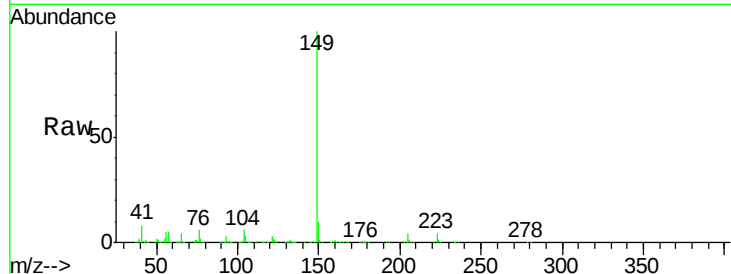
ClientSampleId :

PB107449BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 747639 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 10.3  | 7.8   | 11.6   |
| 104       | 6.3   | 3.9   | 5.9#   |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#74

Fluoranthene

Concen: 44.240 ng

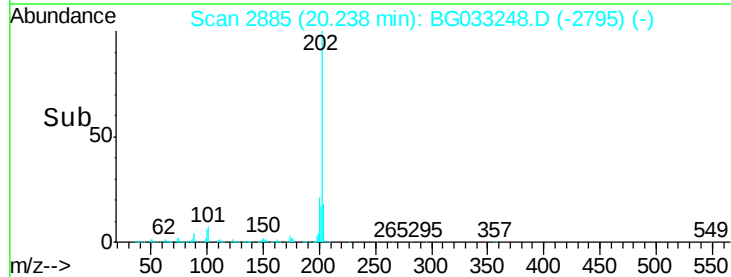
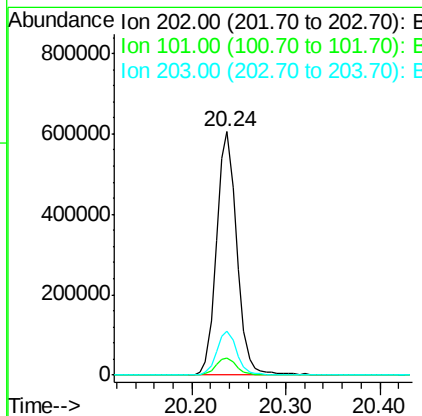
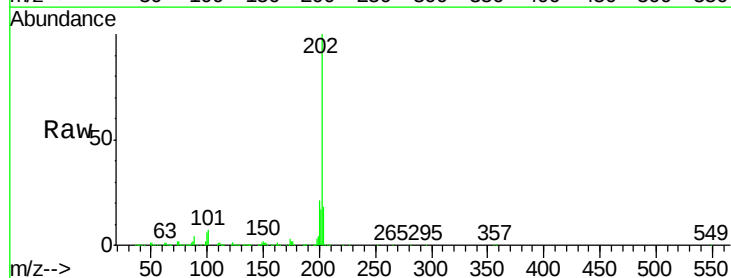
RT: 20.24 min Scan# 2885

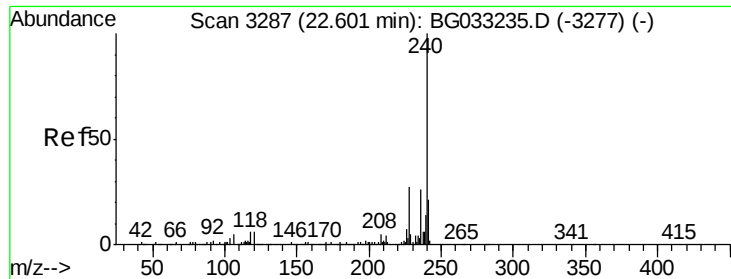
Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 913800 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 6.7   | 0.0   | 28.9   |
| 203       | 18.1  | 0.0   | 37.5   |





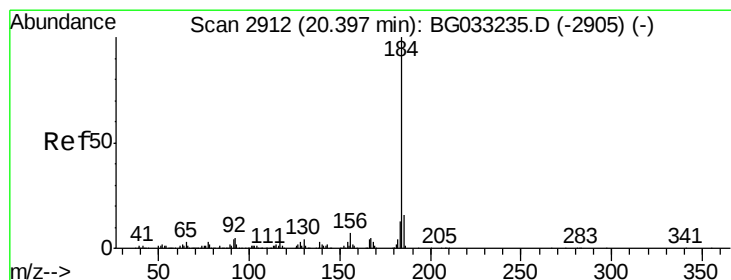
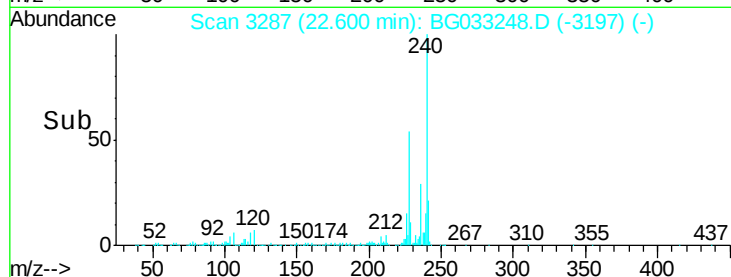
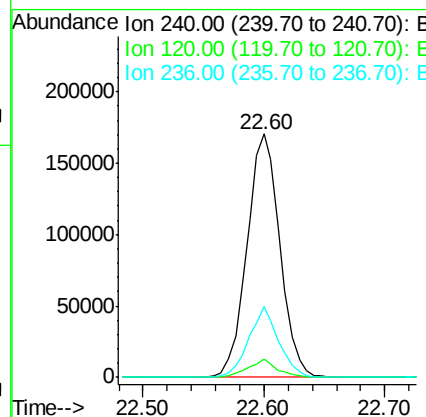
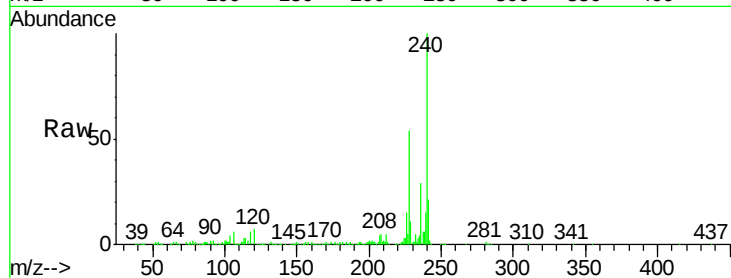
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.60 min Scan# 3287  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 7.4   | 6.8        | 10.2  |
| 236     | 29.0  | 20.9       | 31.3  |

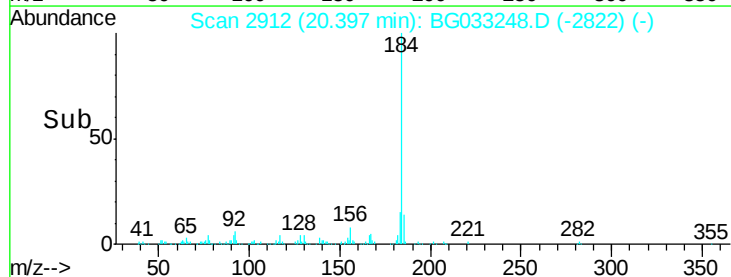
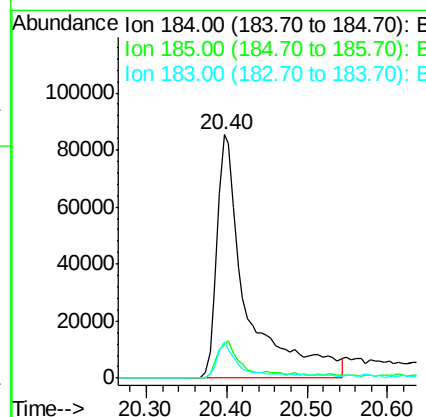
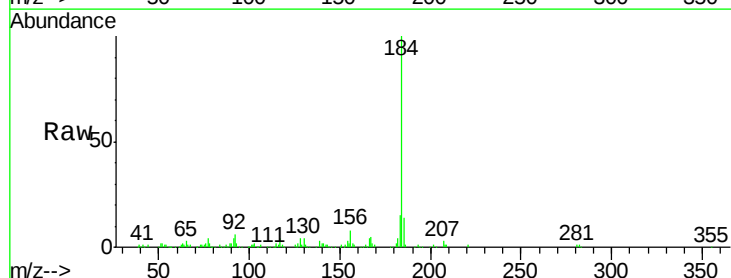
Manual Integrations  
APPROVED

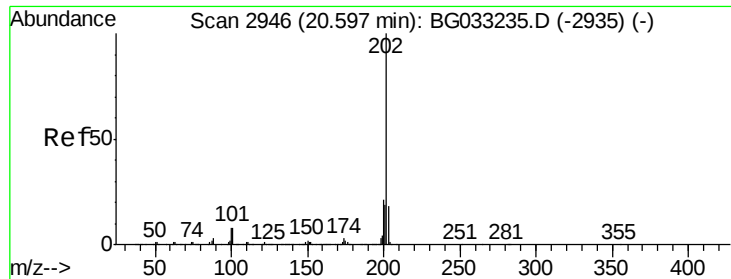
Sohil  
3/20/2018 6:29:40 PM



#76  
Benzidine  
Concen: 25.216 ng m  
RT: 20.40 min Scan# 2912  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 184     | 100   |            |       |
| 185     | 14.1  | 11.1       | 16.7  |
| 183     | 14.8  | 10.6       | 16.0  |





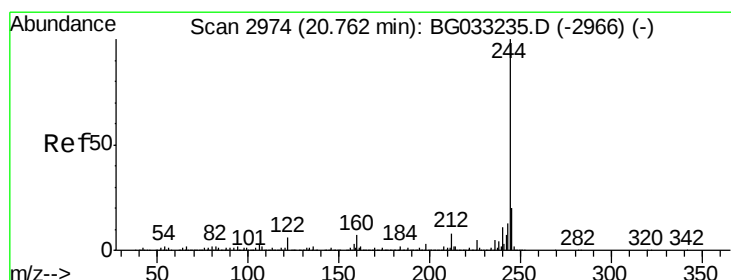
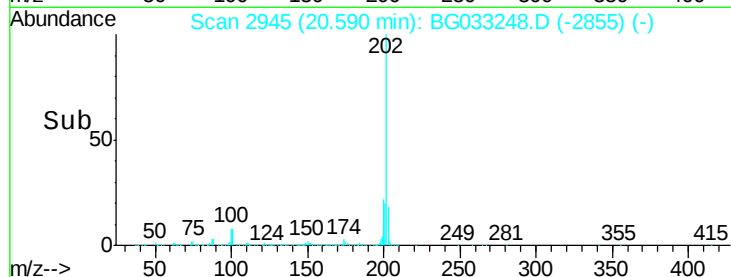
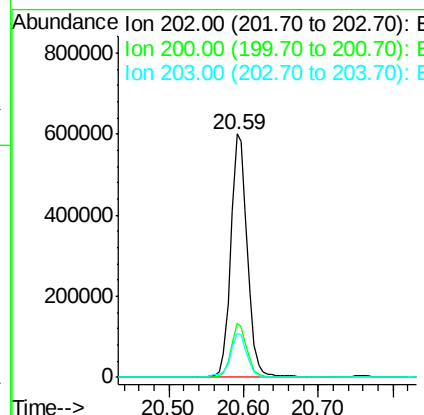
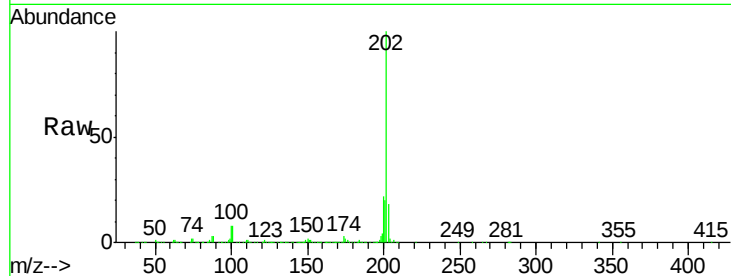
#77  
Pvrene  
Concen: 43.408 ng  
RT: 20.59 min Scan# 2945  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.3  | 16.9  | 25.3  |
| 203     | 18.3  | 13.9  | 20.9  |

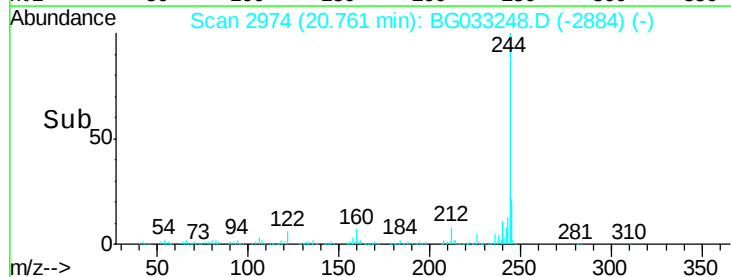
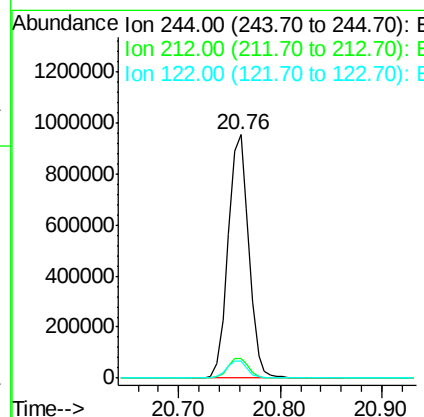
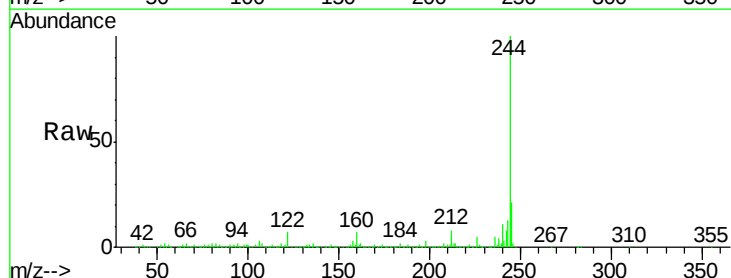
Manual Integrations  
APPROVED

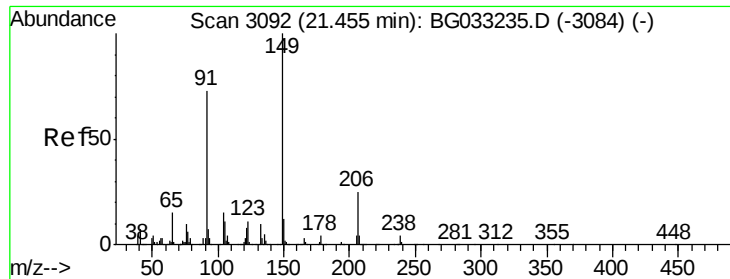
Sohil  
3/20/2018 6:29:40 PM



#78  
Terphenyl-d14  
Concen: 89.239 ng  
RT: 20.76 min Scan# 2974  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.3   | 5.8   | 8.8   |
| 122     | 6.8   | 7.0   | 10.4# |





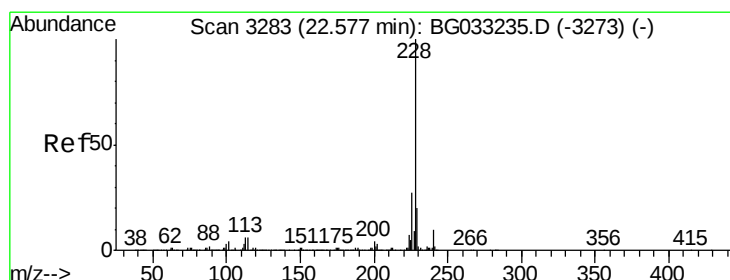
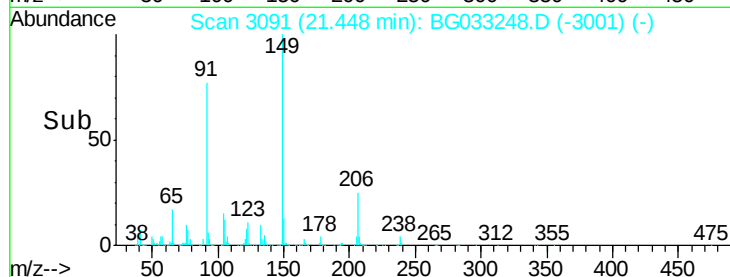
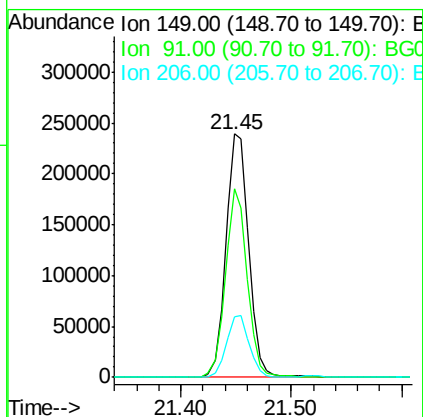
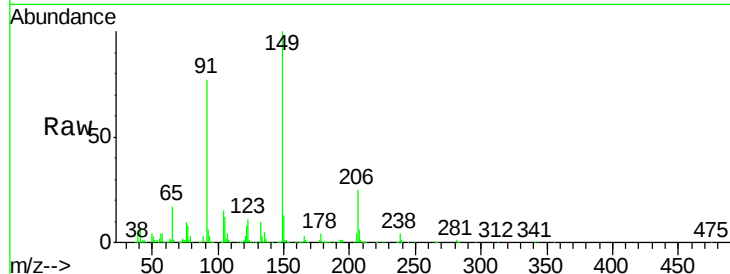
#79  
Butylbenzylphthalate  
Concen: 43.549 ng  
RT: 21.45 min Scan# 3091  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 77.3  | 62.2  | 93.2  |
| 206     | 24.6  | 18.6  | 27.8  |

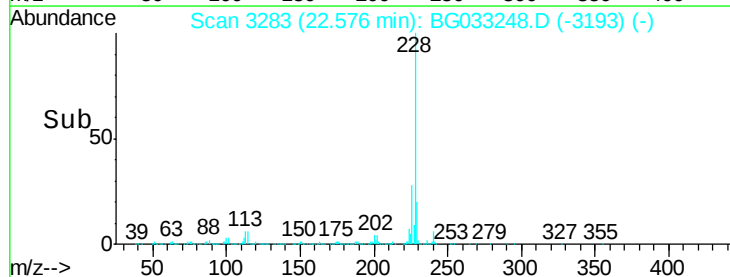
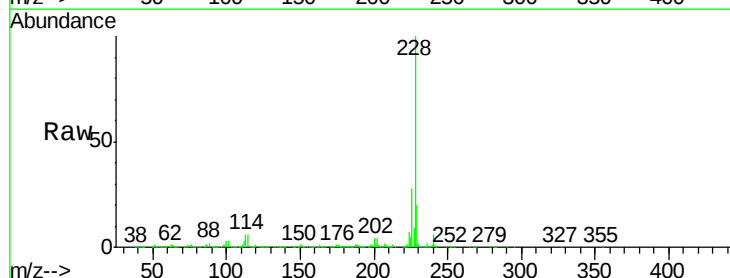
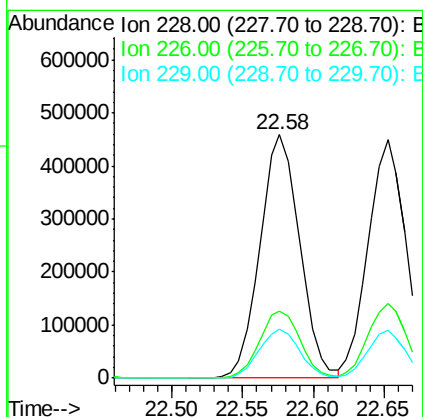
Manual Integrations  
APPROVED

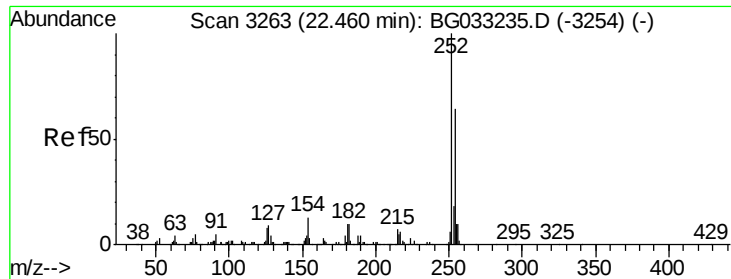
Sohil  
3/20/2018 6:29:40 PM



#80  
Benzo(a)anthracene  
Concen: 44.173 ng  
RT: 22.58 min Scan# 3283  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.7  | 22.7  | 34.1  |
| 229     | 20.4  | 16.2  | 24.2  |





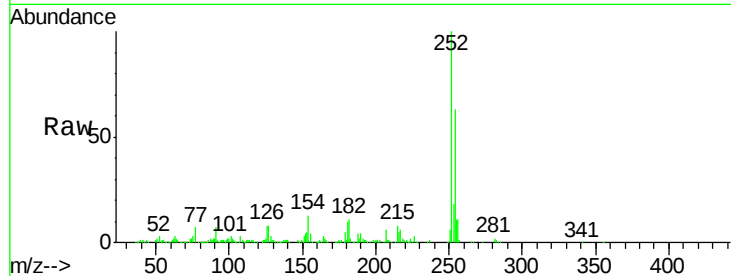
#81  
 3,3'-Dichlorobenzidine  
 Concen: 27.571 ng  
 RT: 22.46 min Scan# 3263  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

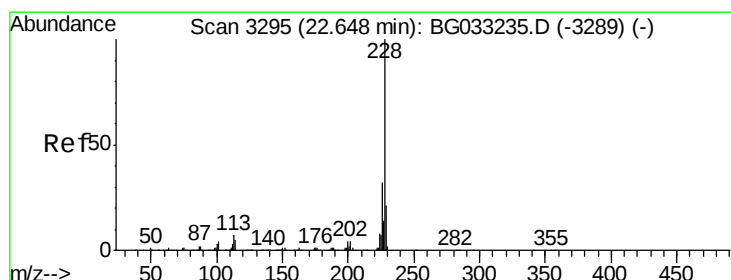
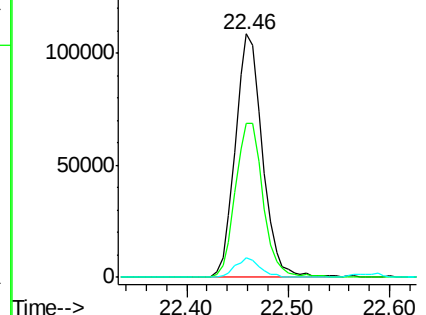
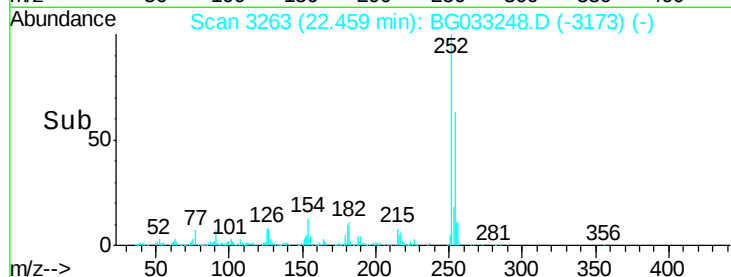
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.3  | 50.8  | 76.2  |
| 126     | 7.8   | 7.4   | 11.2  |

Manual Integrations  
 APPROVED

Sohil  
 3/20/2018 6:29:40 PM

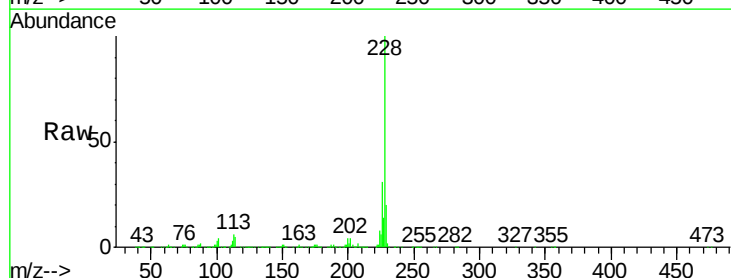


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

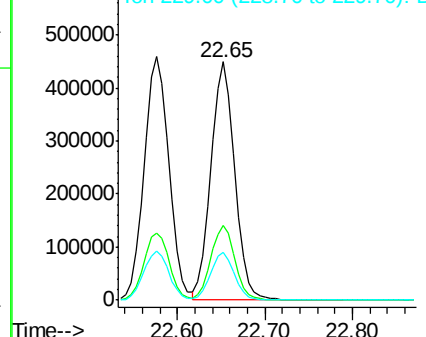
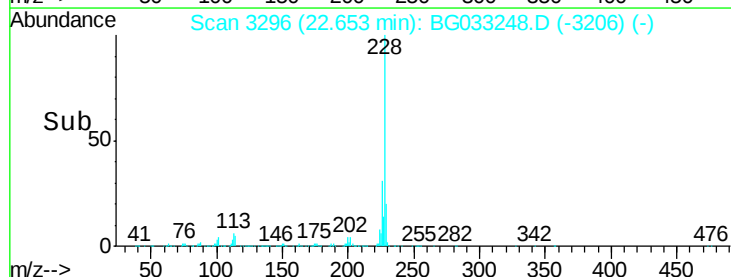


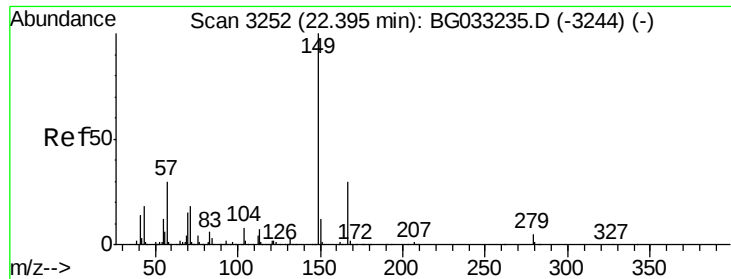
#82  
 Chrysene  
 Concen: 42.879 ng  
 RT: 22.65 min Scan# 3296  
 Delta R.T. -0.00 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.2  | 24.9  | 37.3  |
| 229     | 20.2  | 15.0  | 22.4  |



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.438 ng

RT: 22.39 min Scan# 3252

Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

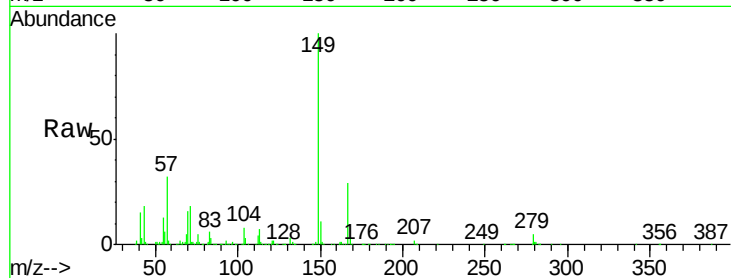
ClientSampleId :

PB107449BSD

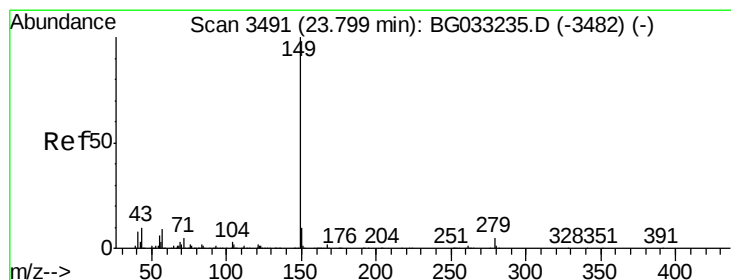
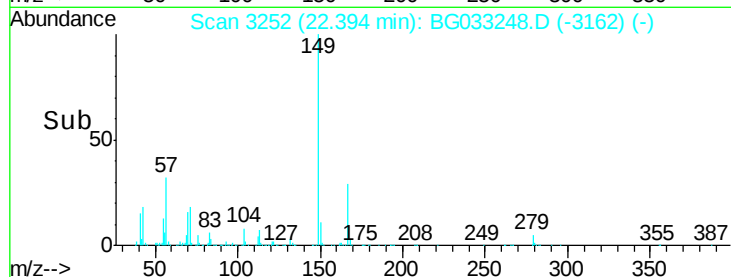
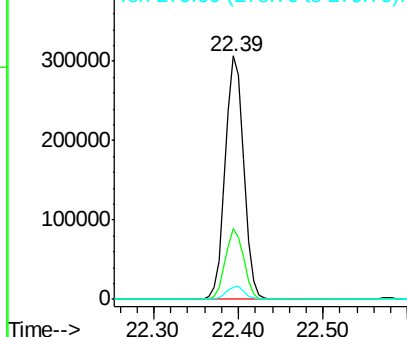
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 464127 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 29.1  | 24.3  | 36.5   |
| 279       | 5.0   | 4.0   | 6.0    |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 46.541 ng

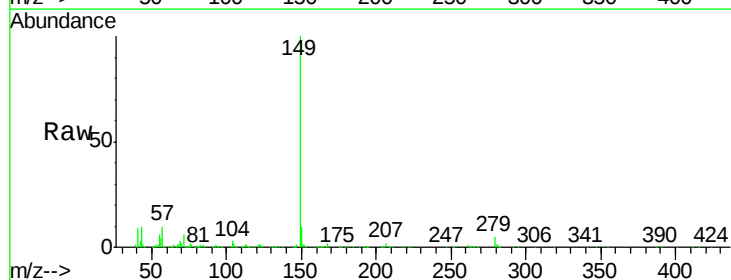
RT: 23.80 min Scan# 3492

Delta R.T. 0.01 min

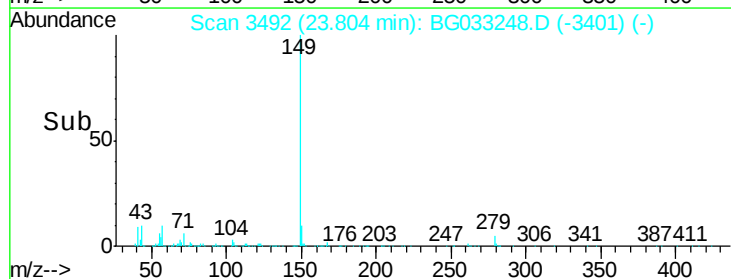
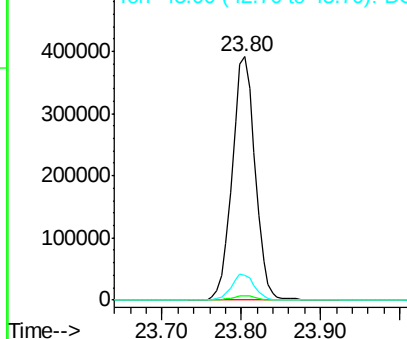
Lab File: BG033248.D

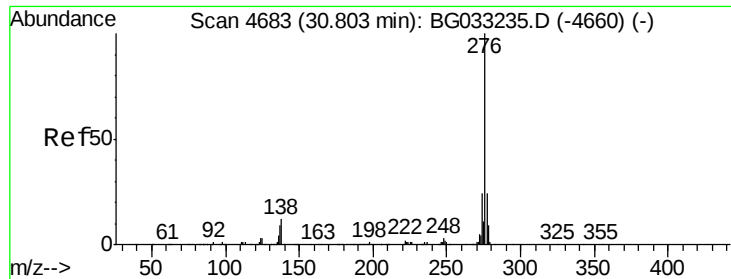
Acq: 19 Mar 2018 20:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 779330 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 1.8   | 1.4   | 2.0    |
| 43        | 10.6  | 8.9   | 13.3   |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 167.00 (166.70 to 167.70): E  
Ion 43.00 (42.70 to 43.70): BG





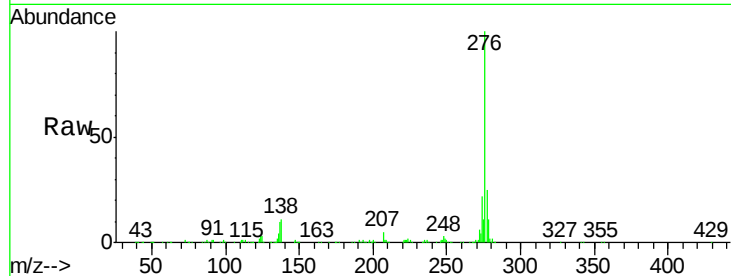
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 45.981 ng  
RT: 30.81 min Scan# 4684  
Delta R.T. 0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

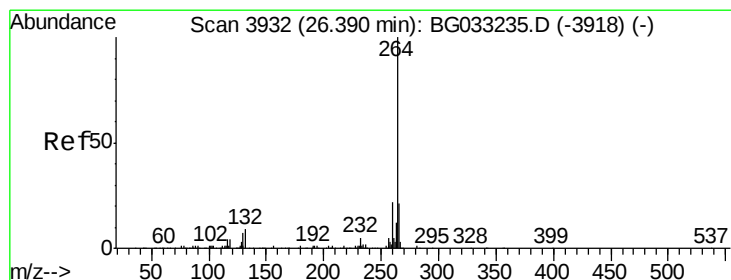
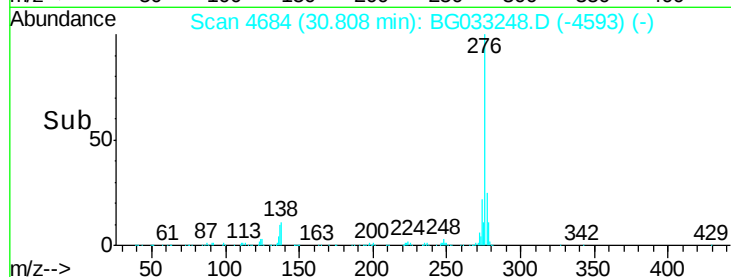
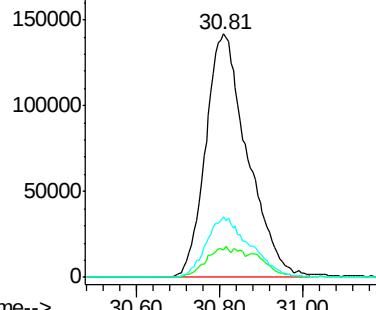
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 7.2   | 16.0  | 24.0# |
| 277     | 25.9  | 20.0  | 30.0  |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM

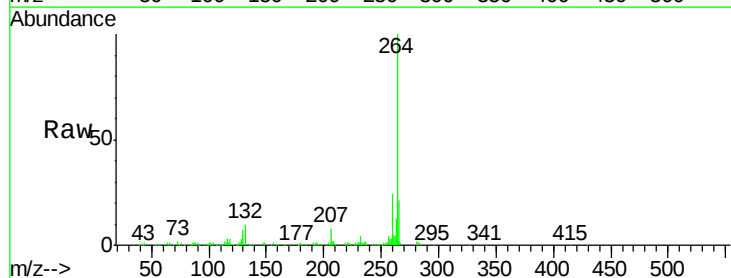


Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

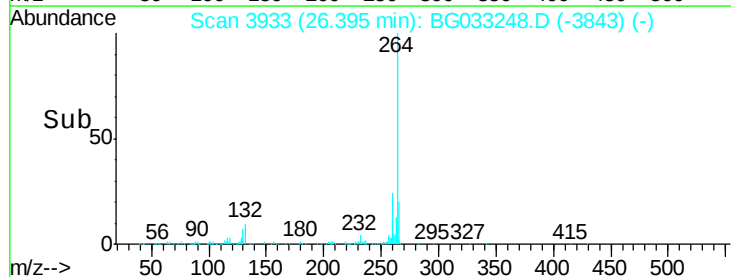
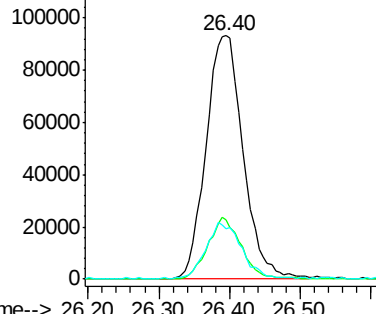


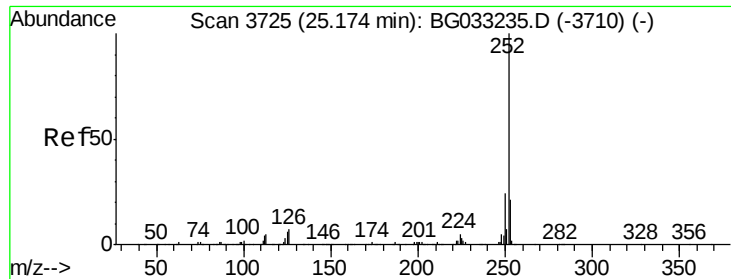
#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 26.40 min Scan# 3933  
Delta R.T. -0.00 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 17.4  | 26.0  |
| 265     | 20.9  | 17.7  | 26.5  |



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





#87

Benzo(b)fluoranthene

Concen: 45.081 ng

RT: 25.17 min Scan# 3724

Delta R.T. -0.01 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

Instrument :

BNA\_G

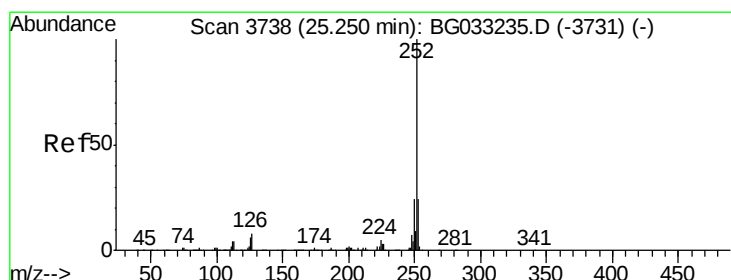
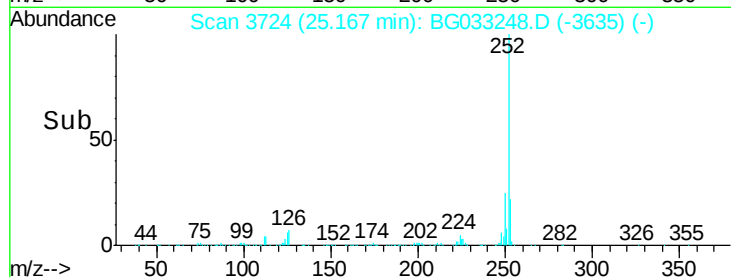
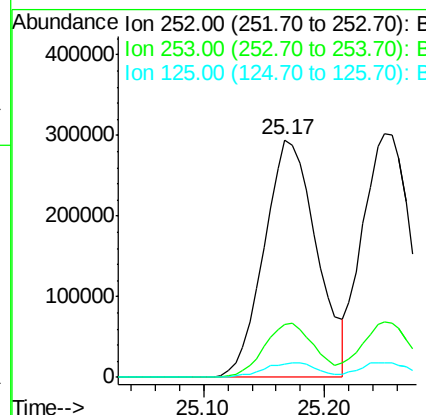
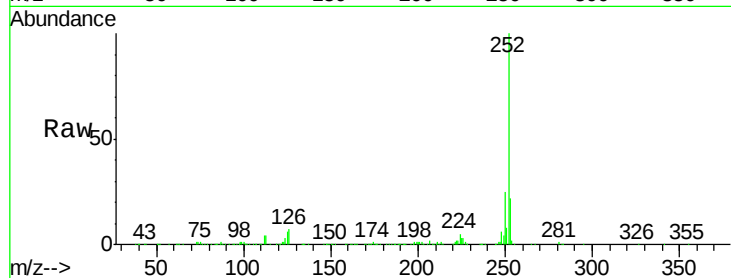
ClientSampleId :

PB107449BSD

|             |       |        |
|-------------|-------|--------|
| Tot Ion:252 | Resp: | 886438 |
| Ion Ratio   | Lower | Upper  |
| 252 100     |       |        |
| 253 22.1    | 18.2  | 27.4   |
| 125 5.6     | 7.2   | 10.8#  |

Manual Integrations  
APPROVED

Sohil  
3/20/2018 6:29:40 PM



#88

Benzo(k)fluoranthene

Concen: 43.490 ng

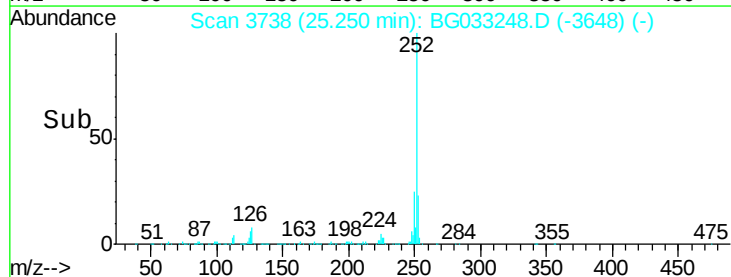
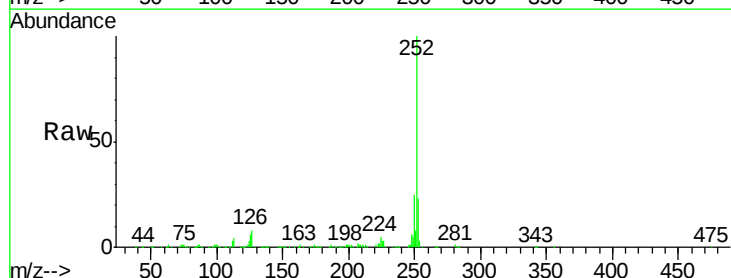
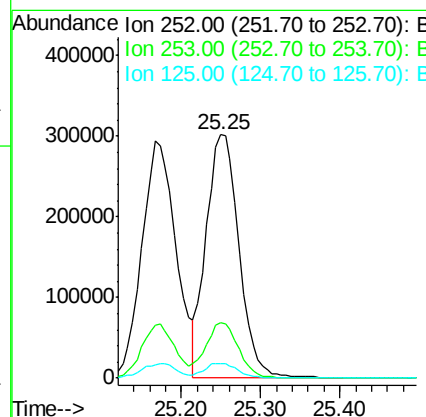
RT: 25.25 min Scan# 3738

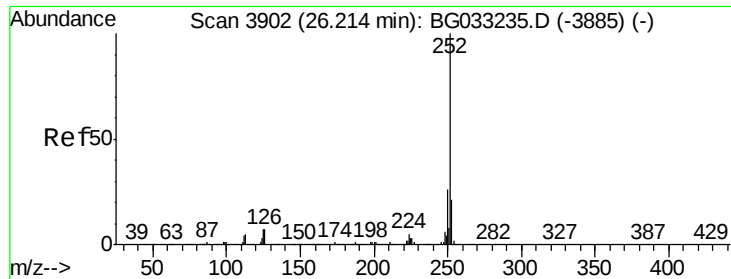
Delta R.T. -0.00 min

Lab File: BG033248.D

Acq: 19 Mar 2018 20:20

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:252 | Resp: | 864901 |
| Ion Ratio   | Lower | Upper  |
| 252 100     |       |        |
| 253 22.5    | 17.4  | 26.2   |
| 125 6.1     | 6.6   | 9.8#   |





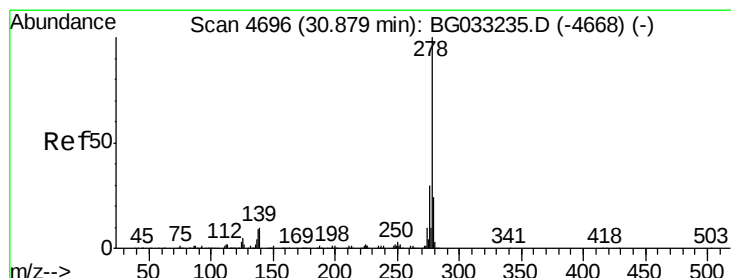
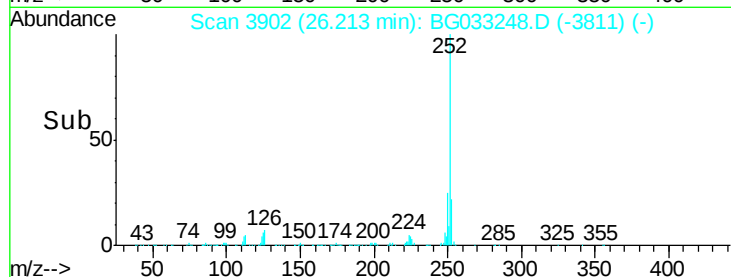
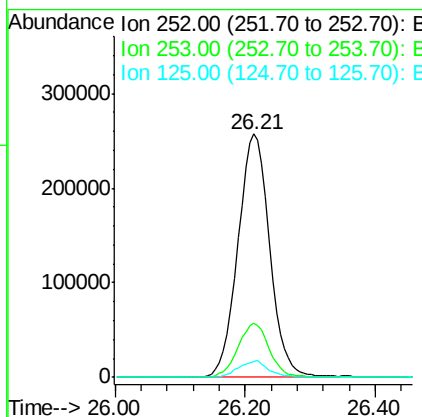
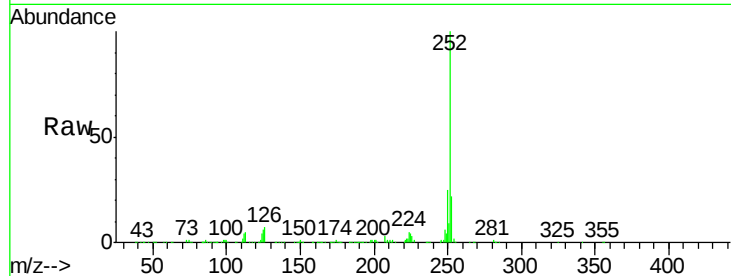
#89  
Benzo(a)pyrene  
Concen: 46.146 ng  
RT: 26.21 min Scan# 3902  
Delta R.T. 0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 18.3  | 27.5  |
| 125     | 6.4   | 7.3   | 10.9# |

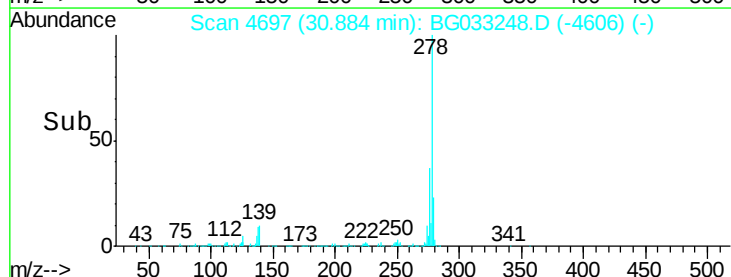
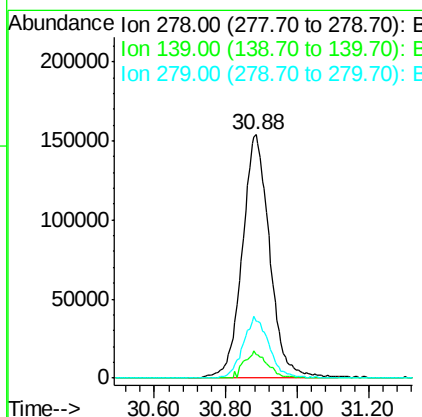
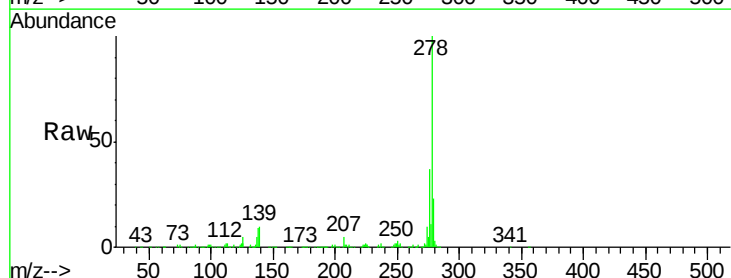
Manual Integrations  
APPROVED

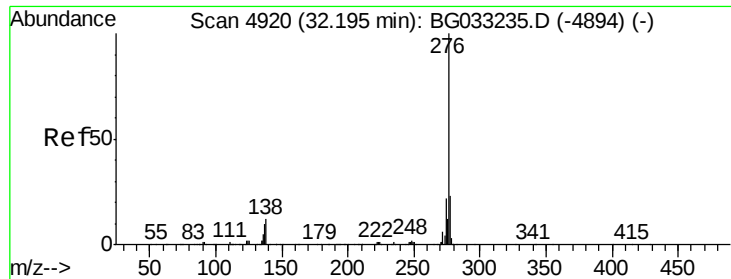
Sohil  
3/20/2018 6:29:40 PM



#90  
Dibenzo(a,h)anthracene  
Concen: 46.205 ng  
RT: 30.88 min Scan# 4697  
Delta R.T. 0.01 min  
Lab File: BG033248.D  
Acq: 19 Mar 2018 20:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.7   | 9.8   | 14.6# |
| 279     | 23.4  | 18.4  | 27.6  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 46.824 ng  
 RT: 32.19 min Scan# 4920  
 Delta R.T. -0.01 min  
 Lab File: BG033248.D  
 Acq: 19 Mar 2018 20:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107449BSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.5  | 18.3  | 27.5  |
| 138     | 12.2  | 13.9  | 20.9  |

Manual Integrations  
 APPROVED

Sohil  
 3/20/2018 6:29:40 PM

