

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082416\  
 Data File : BG023881.D  
 Acq On : 24 Aug 2016 9:46  
 Operator : UM/SJ  
 Sample : SSTDC0040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 24 15:02:53 2016  
 Quant Method : Z:\HPCHEM1\BNA G\Methods\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 135561   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8        | 10.93 | 136  | 562075   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 14.77 | 164  | 335435   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.53 | 188  | 737538   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 21.85 | 240  | 788398   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 25.22 | 264  | 790347   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |       |    |       |
|--------------------------|-------|-----|---------|-------|----|-------|
| 5) 2-Fluorophenol        | 5.64  | 112 | 622400  | 77.28 | ng | -0.02 |
| 7) Phenol-d6             | 7.25  | 99  | 900231  | 71.77 | ng | -0.02 |
| 23) Nitrobenzene-d5      | 9.28  | 82  | 937056  | 82.88 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.27 | 330 | 314362  | 64.07 | ng | -0.02 |
| 44) 2-Fluorobiphenyl     | 13.38 | 172 | 1708268 | 85.90 | ng | -0.02 |
| 78) Terphenyl-d14        | 20.14 | 244 | 2188822 | 87.43 | ng | -0.02 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.51  | 88  | 137724  | 40.14 | ng | 91     |
| 3) Pyridine                    | 3.91  | 79  | 429785  | 38.12 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.83  | 42  | 188198  | 45.02 | ng | # 85   |
| 6) Aniline                     | 7.42  | 93  | 592064  | 32.67 | ng | 97     |
| 8) 2-Chlorophenol              | 7.66  | 128 | 358589  | 38.76 | ng | 98     |
| 9) Benzaldehyde                | 7.23  | 77  | 321377  | 47.22 | ng | 99     |
| 10) Phenol                     | 7.28  | 94  | 491039  | 36.59 | ng | 85     |
| 11) bis(2-Chloroethyl)ether    | 7.51  | 93  | 395020  | 36.90 | ng | 91     |
| 12) 1,3-Dichlorobenzene        | 7.98  | 146 | 415239  | 39.20 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.13  | 146 | 424694  | 39.17 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.45  | 146 | 393281  | 36.97 | ng | 95     |
| 15) Benzyl Alcohol             | 8.34  | 79  | 379723  | 39.95 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62  | 45  | 602082  | 38.25 | ng | 88     |
| 17) 2-Methylphenol             | 8.55  | 107 | 322628  | 35.86 | ng | 89     |
| 18) Hexachloroethane           | 9.19  | 117 | 167253  | 40.98 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.91  | 70  | 364247  | 33.76 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.88  | 107 | 446088  | 35.17 | ng | 91     |
| 22) Acetophenone               | 8.93  | 105 | 598737  | 38.90 | ng | # 93   |
| 24) Nitrobenzene               | 9.32  | 77  | 540652  | 43.18 | ng | # 91   |
| 25) Isophorone                 | 9.84  | 82  | 934783  | 39.69 | ng | # 96   |
| 26) 2-Nitrophenol              | 10.04 | 139 | 217161  | 41.10 | ng | # 82   |
| 27) 2,4-Dimethylphenol         | 10.09 | 122 | 351990  | 39.12 | ng | 90     |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93  | 494994  | 34.97 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.58 | 162 | 355349  | 39.28 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.79 | 180 | 392530  | 40.23 | ng | 97     |
| 31) Naphthalene                | 10.98 | 128 | 1105418 | 38.62 | ng | 100    |
| 32) Benzoic acid               | 10.27 | 122 | 253016  | 32.89 | ng | # 90   |
| 33) 4-Chloroaniline            | 11.10 | 127 | 462982  | 33.84 | ng | 92     |
| 34) Hexachlorobutadiene        | 11.26 | 225 | 278173  | 43.35 | ng | 96     |
| 35) Caprolactam                | 11.88 | 113 | 120925  | 31.77 | ng | 95     |
| 36) 4-Chloro-3-methylphenol    | 12.22 | 107 | 418572  | 35.22 | ng | 93     |
| 37) 2-Methylnaphthalene        | 12.81 | 142 | 752212  | 34.57 | ng | 91     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.96 | 216 | 520702  | 42.81 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.93 | 237 | 218471  | 35.62 | ng | 98     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG082416\  
 Data File : BG023881.D  
 Acq On : 24 Aug 2016 9:46  
 Operator : UM/SJ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

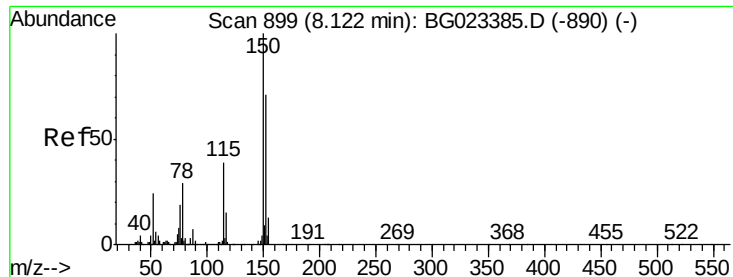
Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 24 15:02:53 2016  
 Quant Method : Z:\HPCHEM1\BNA G\Methods\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.20 | 196  | 286691   | 39.57 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.28 | 196  | 289987   | 38.87 | nq    | # 95     |
| 45) 1,1'-Biphenyl              | 13.59 | 154  | 1055258  | 41.15 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 13.64 | 162  | 812679   | 40.97 | nq    | 95       |
| 47) 2-Nitroaniline             | 13.85 | 65   | 322547   | 39.16 | nq    | 88       |
| 48) Acenaphthylene             | 14.49 | 152  | 1269160  | 40.47 | nq    | 99       |
| 49) Dimethylphthalate          | 14.22 | 163  | 1035306  | 40.23 | nq    | 98       |
| 50) 2,6-Dinitrotoluene         | 14.35 | 165  | 230990   | 37.90 | nq    | 87       |
| 51) Acenaphthene               | 14.83 | 154  | 793886   | 39.96 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.68 | 138  | 232657   | 33.85 | nq    | 86       |
| 53) 2,4-Dinitrophenol          | 14.90 | 184  | 150194   | 38.44 | nq    | 88       |
| 54) Dibenzofuran               | 15.17 | 168  | 1134237  | 39.33 | nq    | 97       |
| 55) 4-Nitrophenol              | 15.00 | 139  | 163281   | 30.25 | nq    | # 89     |
| 56) 2,4-Dinitrotoluene         | 15.14 | 165  | 328784   | 38.44 | nq    | 97       |
| 57) Fluorene                   | 15.82 | 166  | 981345   | 38.99 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.40 | 232  | 248426   | 36.29 | nq    | 94       |
| 59) Diethylphthalate           | 15.57 | 149  | 1043549  | 39.94 | nq    | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.80 | 204  | 511200   | 38.38 | nq    | 97       |
| 61) 4-Nitroaniline             | 15.85 | 138  | 250868   | 34.29 | nq    | # 71     |
| 62) Azobenzene                 | 16.10 | 77   | 1044145  | 39.43 | nq    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 15.91 | 198  | 185688   | 37.03 | nq    | 94       |
| 65) n-Nitrosodiphenylamine     | 16.03 | 169  | 876966   | 40.54 | nq    | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.71 | 248  | 347434   | 40.42 | nq    | 97       |
| 67) Hexachlorobenzene          | 16.83 | 284  | 364129   | 38.72 | nq    | 96       |
| 68) Atrazine                   | 16.97 | 200  | 341118   | 41.07 | nq    | 95       |
| 69) Pentachlorophenol          | 17.18 | 266  | 175794   | 32.06 | nq    | 95       |
| 70) Phenanthrene               | 17.57 | 178  | 1516202  | 40.51 | nq    | 98       |
| 71) Anthracene                 | 17.66 | 178  | 1538114  | 40.86 | nq    | 100      |
| 72) Carbazole                  | 17.94 | 167  | 1391328  | 42.09 | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.47 | 149  | 1723767  | 52.75 | nq    | 97       |
| 74) Fluoranthene               | 19.59 | 202  | 1779192  | 51.87 | nq    | 96       |
| 76) Benzidine                  | 19.77 | 184  | 984477   | 44.92 | nq    | 100      |
| 77) Pyrene                     | 19.95 | 202  | 1791916  | 38.95 | nq    | 98       |
| 79) Butylbenzylphthalate       | 20.82 | 149  | 829782   | 43.71 | nq    | 92       |
| 80) Benzo(a)anthracene         | 21.82 | 228  | 1745949  | 40.12 | nq    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.74 | 252  | 683712   | 38.30 | nq    | # 98     |
| 82) Chrysene                   | 21.89 | 228  | 1664279  | 40.19 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.70 | 149  | 1158692  | 44.57 | nq    | # 99     |
| 84) Di-n-octyl phthalate       | 22.96 | 149  | 1924963  | 43.38 | nq    | 100      |
| 85) Indeno(1,2,3-cd)pyrene     | 29.11 | 276  | 2041270  | 39.45 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.15 | 252  | 1785499  | 40.15 | nq    | # 97     |
| 88) Benzo(k)fluoranthene       | 24.22 | 252  | 1711051  | 40.06 | nq    | # 97     |
| 89) Benzo(a)pyrene             | 25.07 | 252  | 1728298  | 40.87 | nq    | # 95     |
| 90) Dibenzo(a,h)anthracene     | 29.17 | 278  | 1713092  | 39.65 | nq    | # 91     |
| 91) Benzo(g,h,i)perylene       | 30.32 | 276  | 1679433  | 38.60 | nq    | # 90     |

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



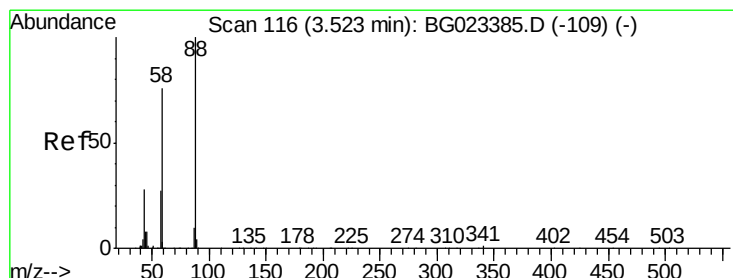
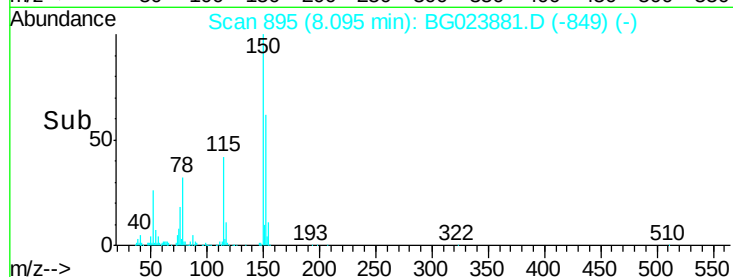
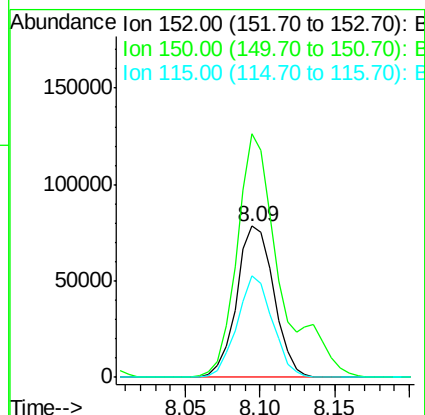
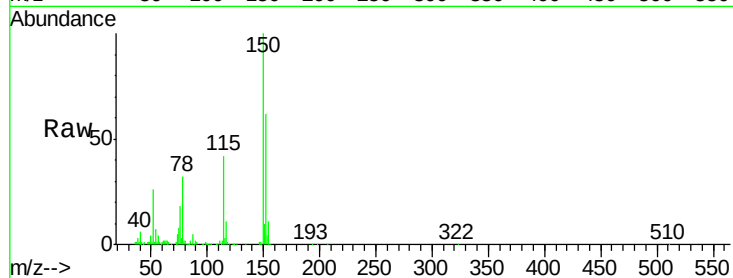


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.09 min Scan# 895  
Delta R.T. -0.03 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Instrument :  
BNA\_G  
ClientSampleId :

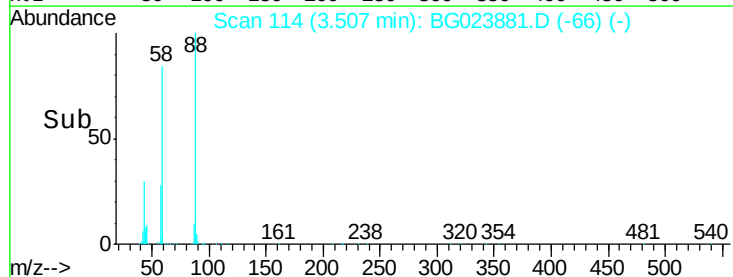
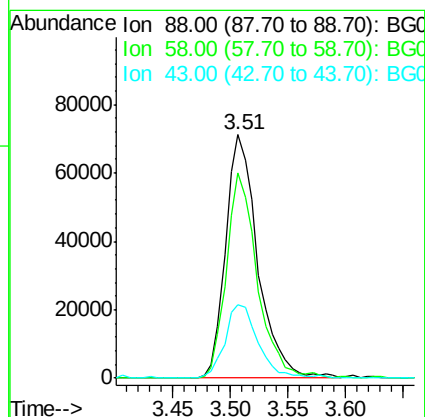
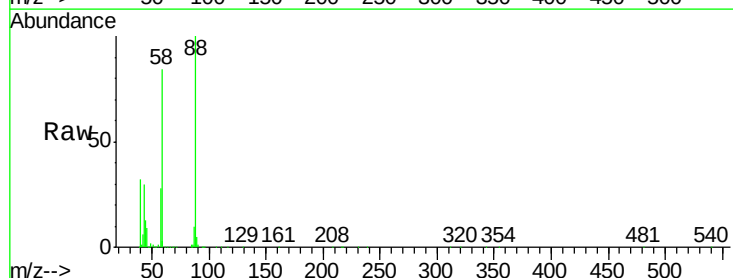
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.3 | 144.7 | 217.1 |
| 115     | 67.7  | 64.0  | 96.0  |

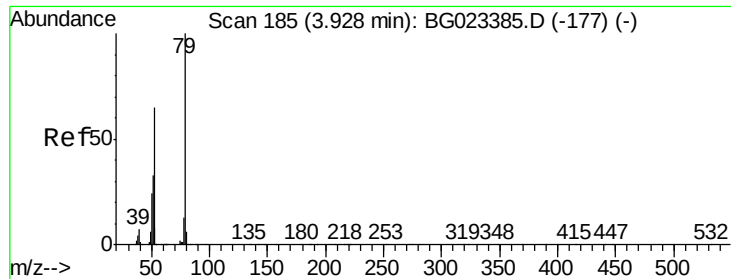


#2

1,4-Dioxane  
Concen: 40.14 ng  
RT: 3.51 min Scan# 114  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 81.3  | 60.4  | 90.6  |
| 43      | 31.4  | 31.1  | 46.7  |





#3

Pvridine

Concen: 38.12 ng

RT: 3.91 min Scan# 183

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

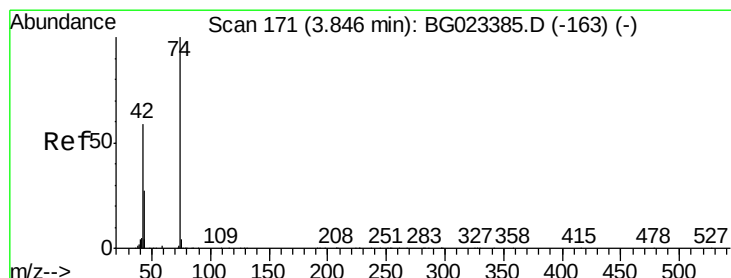
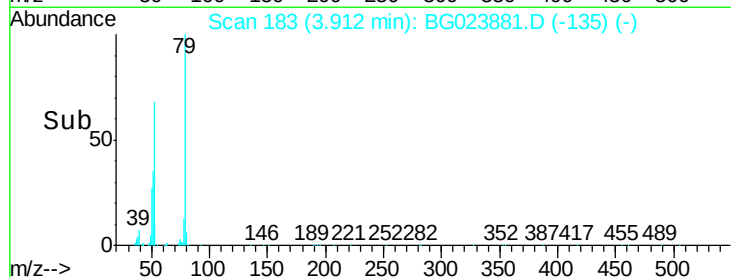
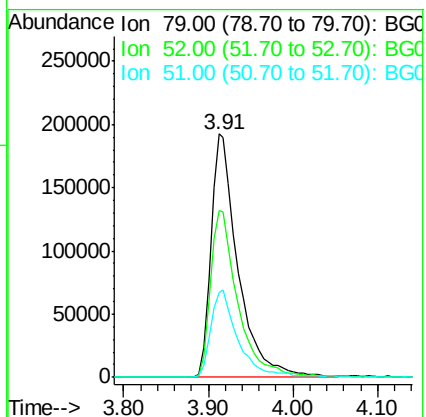
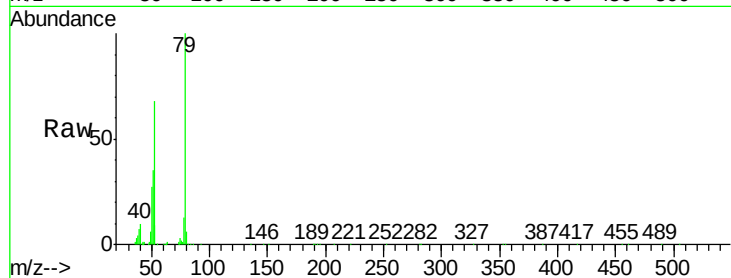
Tot Ion: 79 Resp: 429785

Ion Ratio Lower Upper

79 100

52 68.4 51.8 77.8

51 35.0 32.7 49.1



#4

n-Nitrosodimethylamine

Concen: 45.02 ng

RT: 3.83 min Scan# 169

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

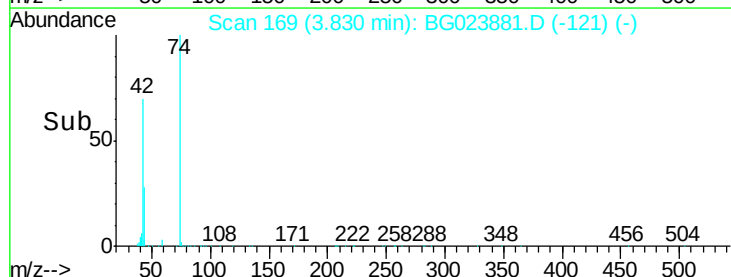
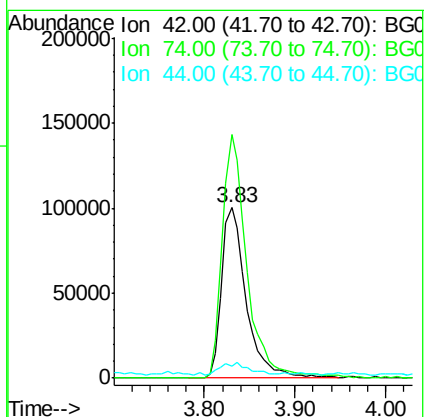
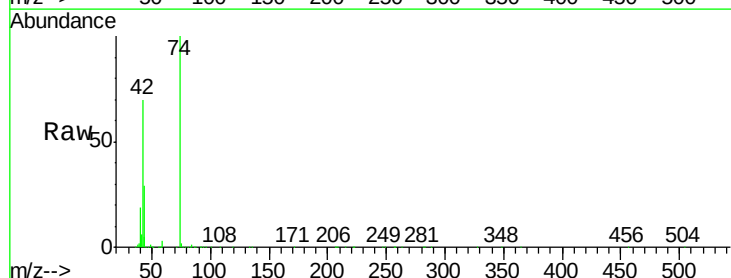
Tgt Ion: 42 Resp: 188198

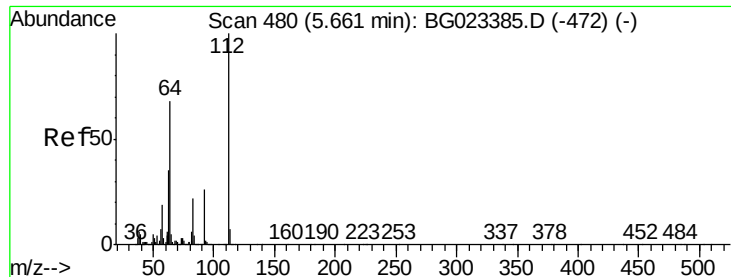
Ion Ratio Lower Upper

42 100

74 143.1 100.6 150.8

44 7.3 4.5 6.7#





#5

2-Fluorophenol

Concen: 77.28 ng

RT: 5.64 min Scan# 477

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

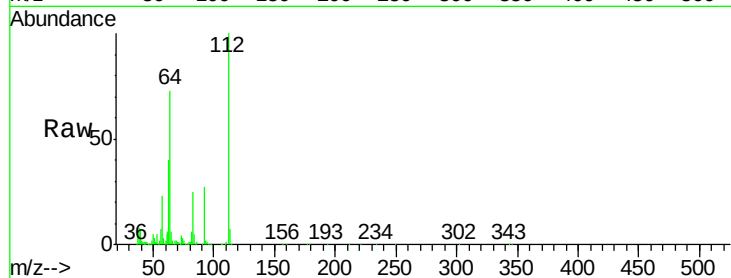
Tot Ion:112 Resp: 622400

Ion Ratio Lower Upper

112 100

64 72.7 59.0 88.4

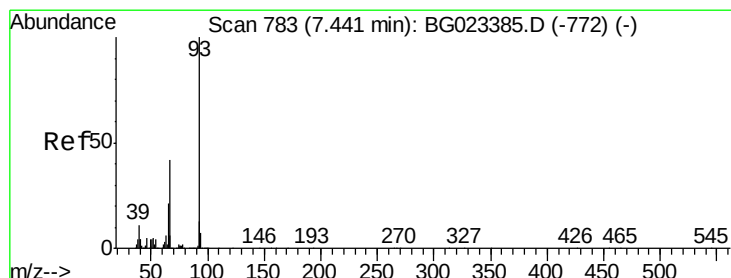
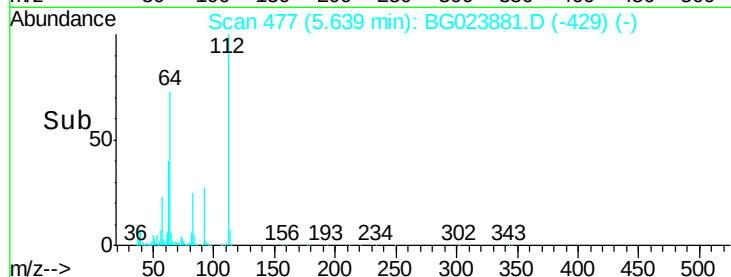
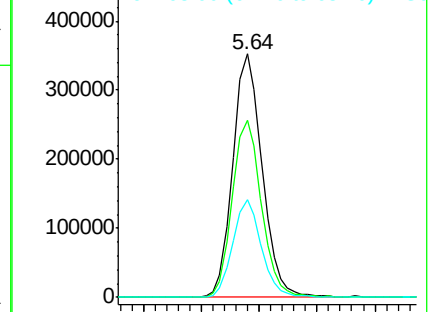
63 40.0 37.8 56.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 32.67 ng

RT: 7.42 min Scan# 780

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

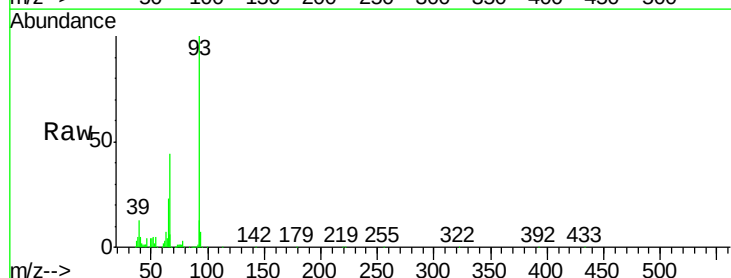
Tgt Ion: 93 Resp: 592064

Ion Ratio Lower Upper

93 100

66 44.1 37.5 56.3

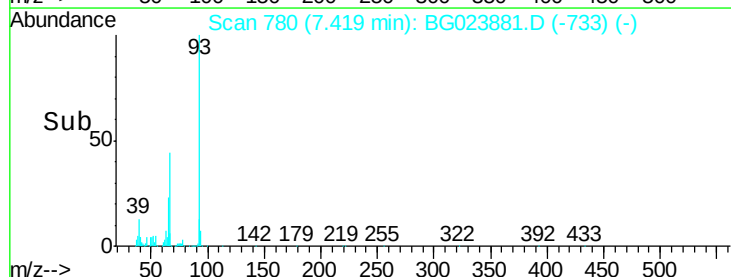
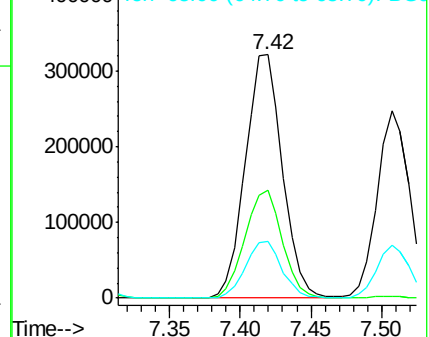
65 23.2 17.9 26.9

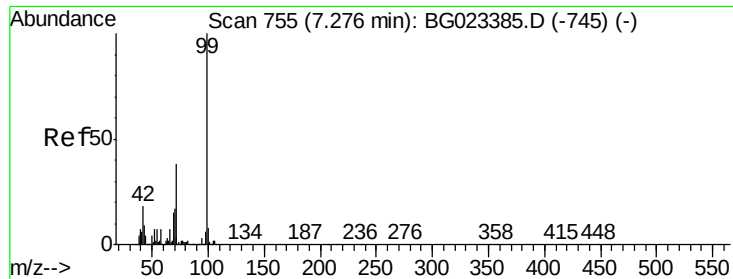


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 71.77 ng

RT: 7.25 min Scan# 752

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

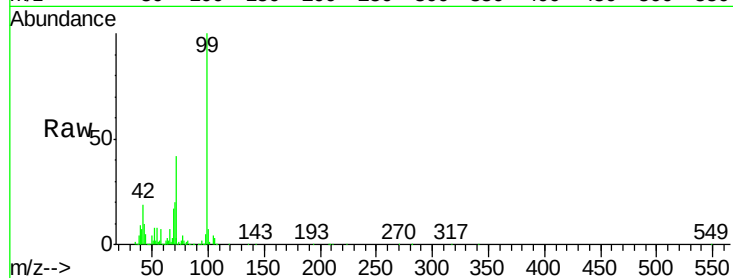
Tot Ion: 99 Resp: 900231

Ion Ratio Lower Upper

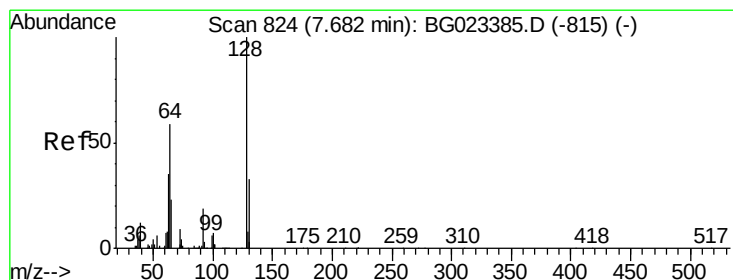
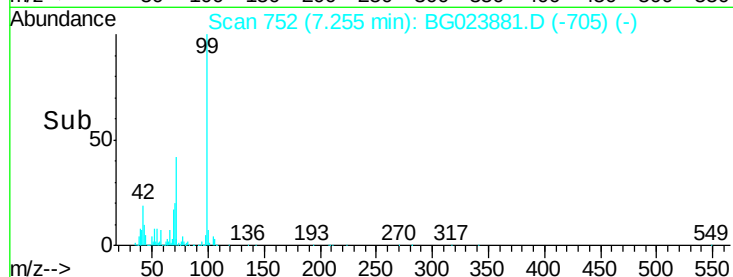
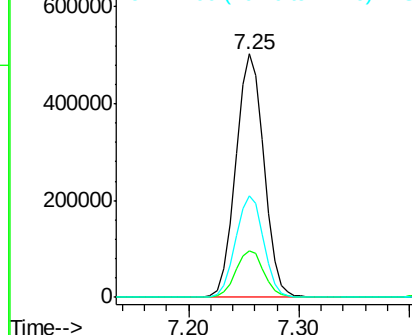
99 100

42 19.1 17.8 26.6

71 41.8 41.5 62.3



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



#8

2-Chlorophenol

Concen: 38.76 ng

RT: 7.66 min Scan# 821

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

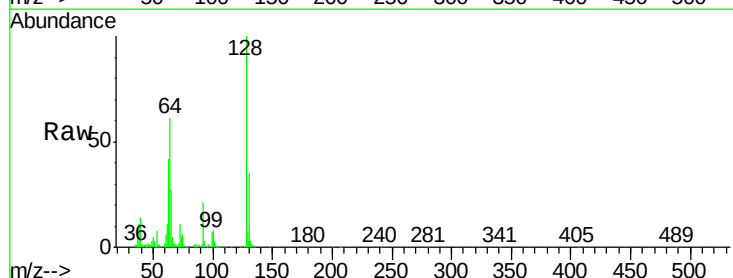
Tgt Ion: 128 Resp: 358589

Ion Ratio Lower Upper

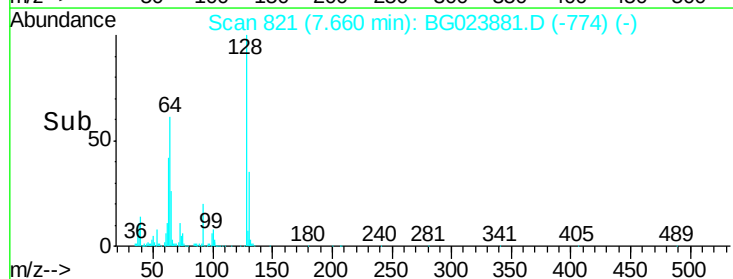
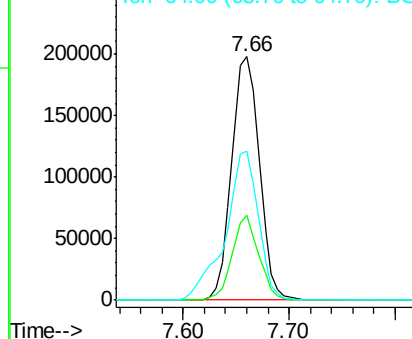
128 100

130 34.8 12.9 52.9

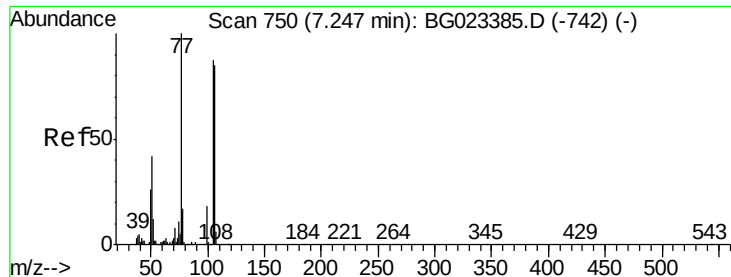
64 61.3 42.0 82.0



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







#9

Benzaldehyde

Concen: 47.22 ng

RT: 7.23 min Scan# 747

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

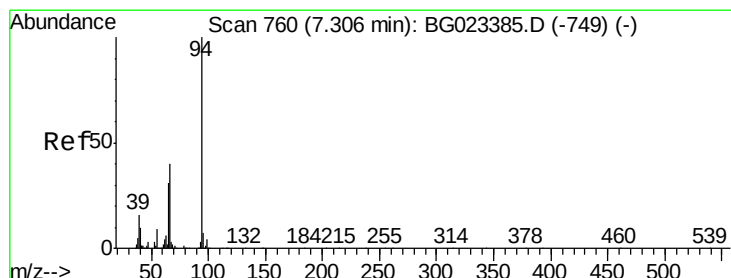
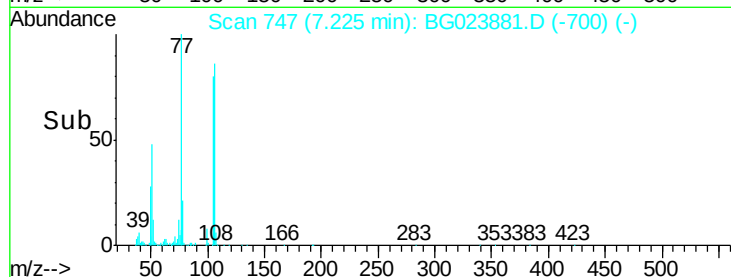
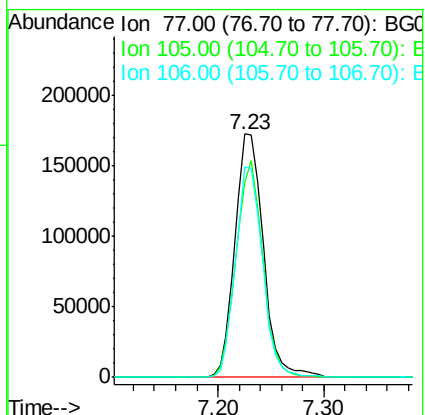
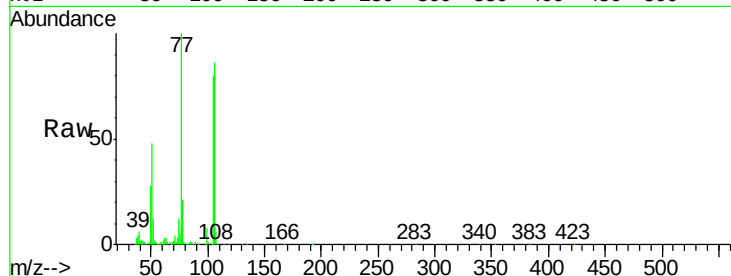
Tot Ion: 77 Resp: 321377

Ion Ratio Lower Upper

77 100

105 80.2 58.7 98.7

106 86.4 67.5 107.5



#10

Phenol

Concen: 36.59 ng

RT: 7.28 min Scan# 757

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

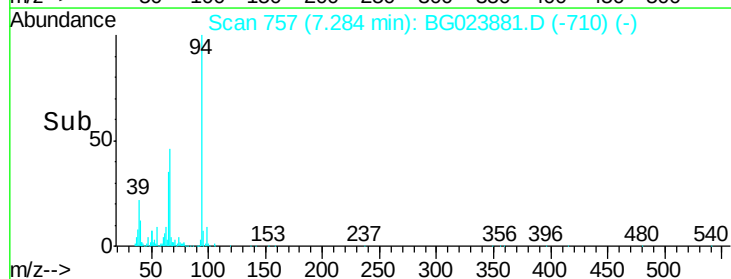
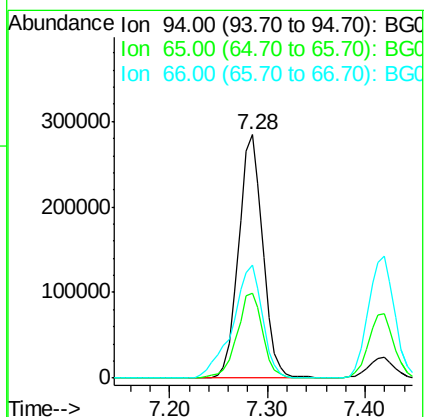
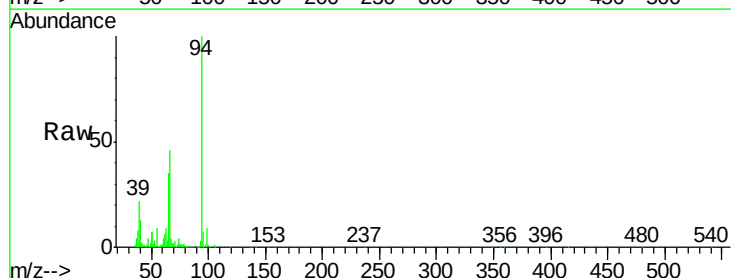
Tgt Ion: 94 Resp: 491039

Ion Ratio Lower Upper

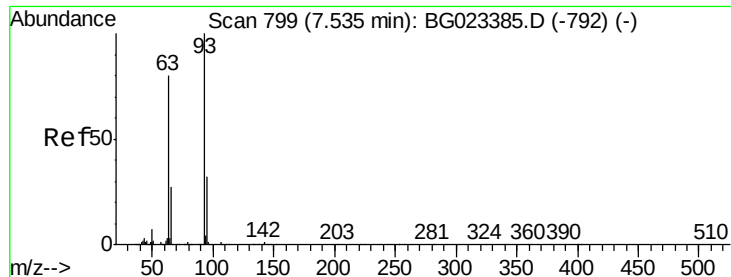
94 100

65 35.0 18.1 58.1

66 46.5 42.1 82.1



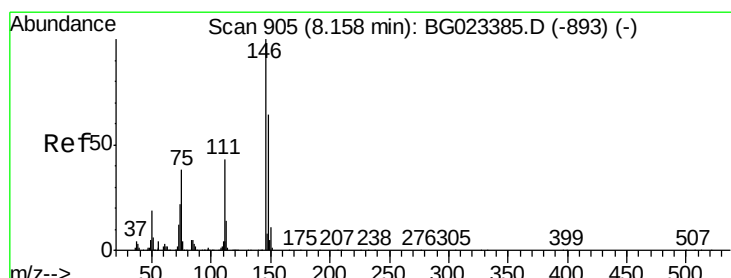
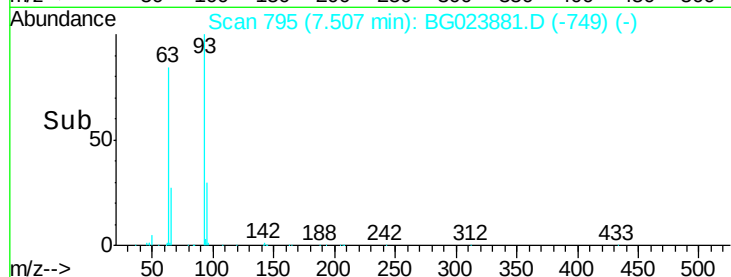
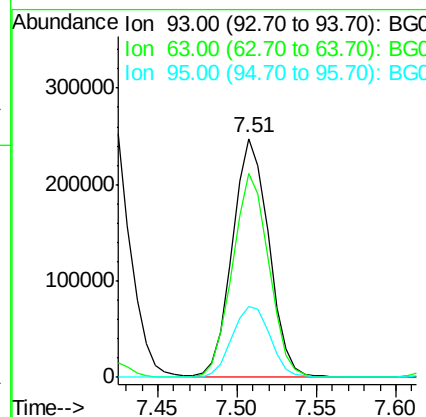
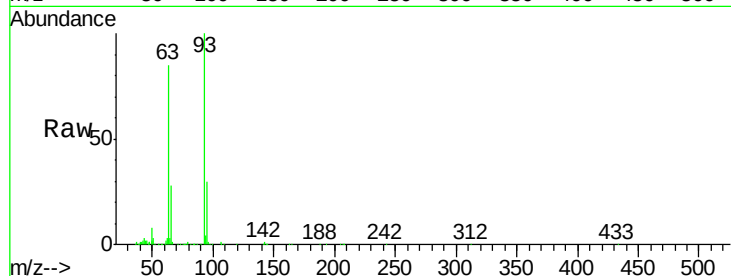




#11  
bis(2-Chloroethyl)ether  
Concen: 36.90 ng  
RT: 7.51 min Scan# 795  
Delta R.T. -0.03 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

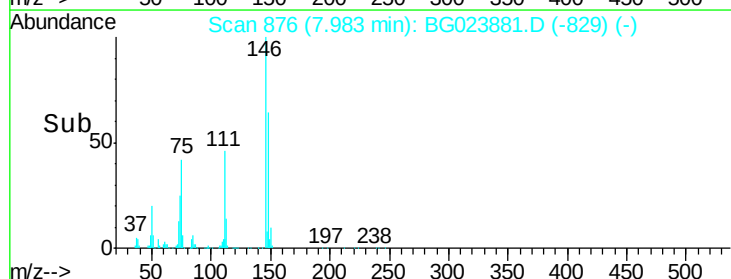
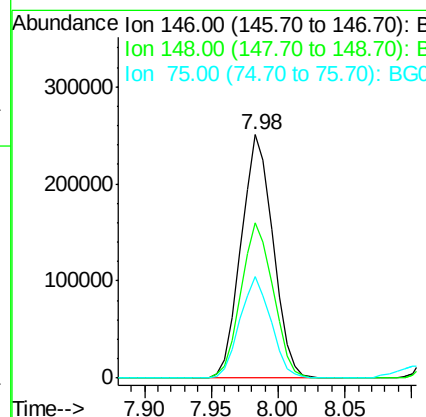
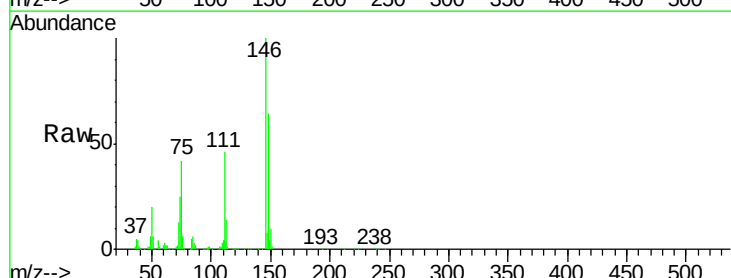
Instrument :  
BNA\_G  
ClientSampleId :

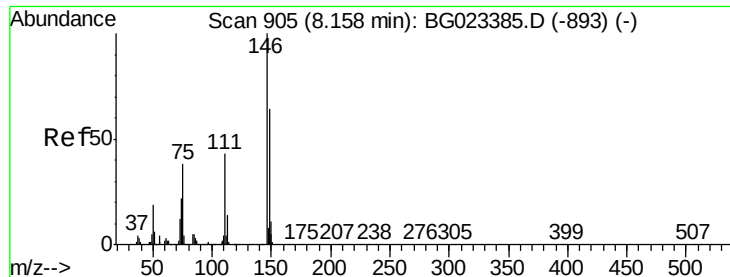
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 85.4  | 55.0  | 95.0  |
| 95      | 29.7  | 11.0  | 51.0  |



#12  
1,3-Dichlorobenzene  
Concen: 39.20 ng  
RT: 7.98 min Scan# 876  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.9  | 50.3  | 75.5  |
| 75      | 41.6  | 37.0  | 55.6  |





#13

1,4-Dichlorobenzene

Concen: 39.17 ng

RT: 8.13 min Scan# 901

Delta R.T. -0.03 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampled :

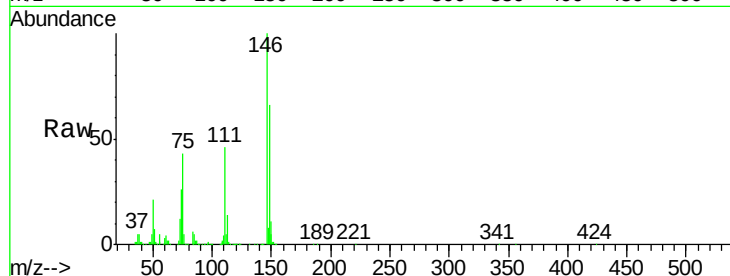
Tot Ion:146 Resp: 424694

Ion Ratio Lower Upper

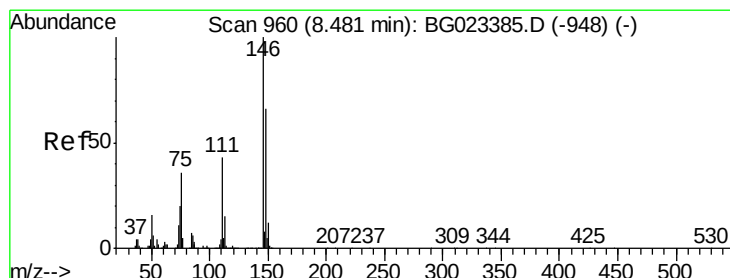
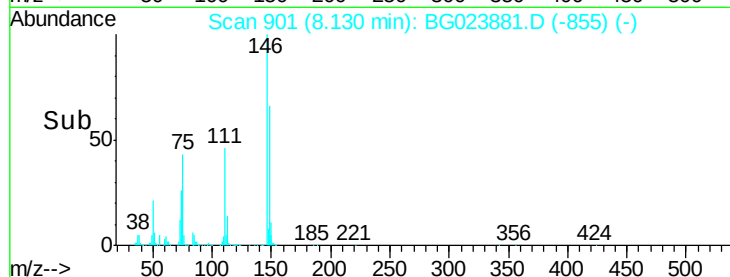
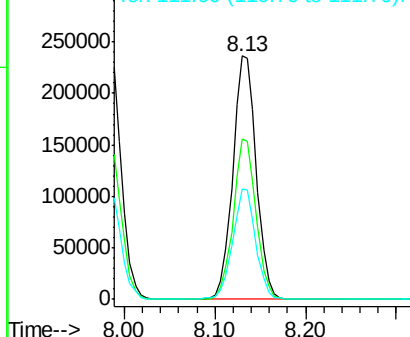
146 100

148 65.8 54.5 81.7

111 45.6 37.8 56.8



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 36.97 ng

RT: 8.45 min Scan# 956

Delta R.T. -0.03 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

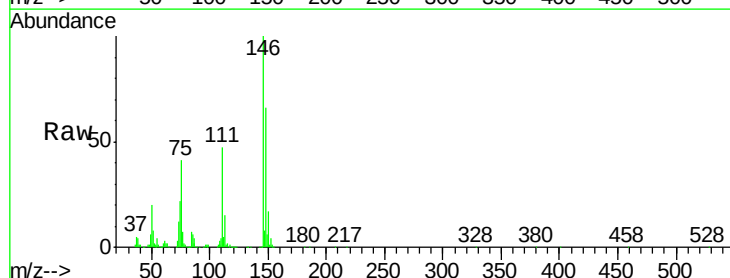
Tgt Ion:146 Resp: 393281

Ion Ratio Lower Upper

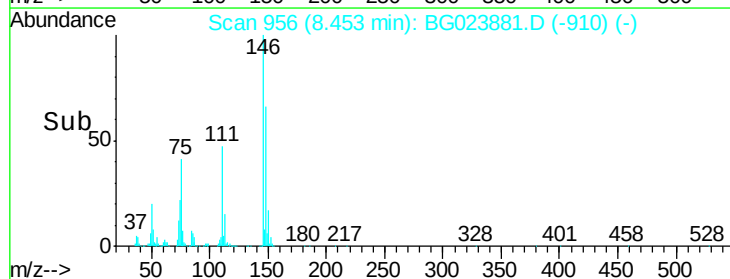
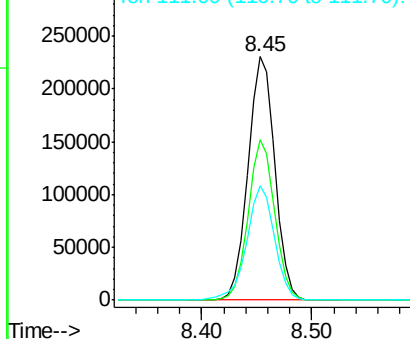
146 100

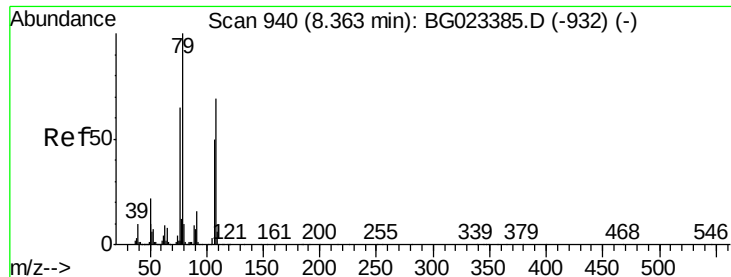
148 65.8 52.9 79.3

111 47.1 43.5 65.3



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 111.00 (110.70 to 111.70): E

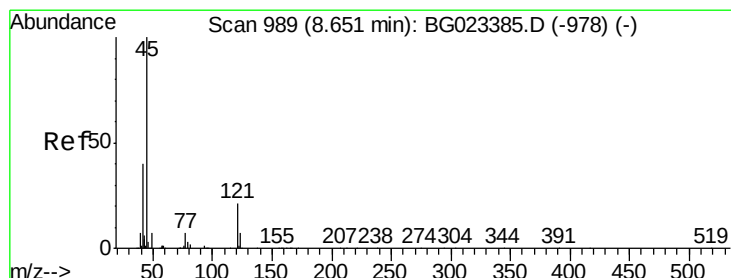
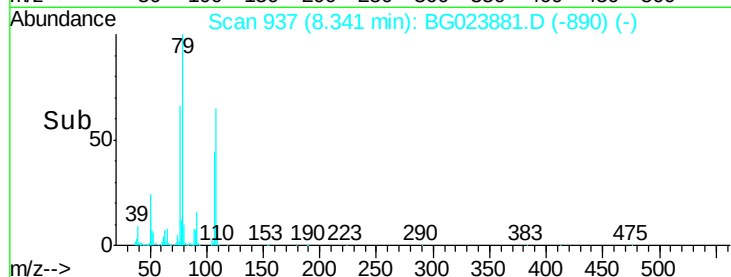
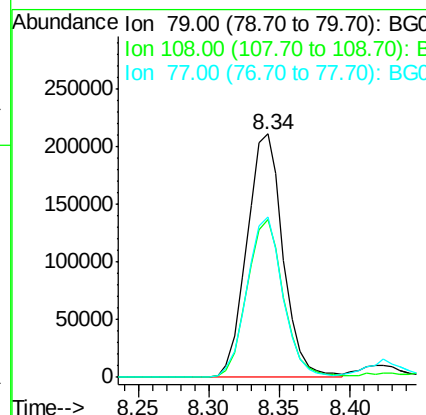
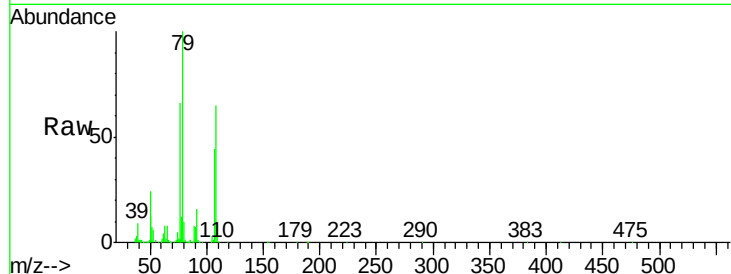




#15  
Benzyl Alcohol  
Concen: 39.95 ng  
RT: 8.34 min Scan# 937  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

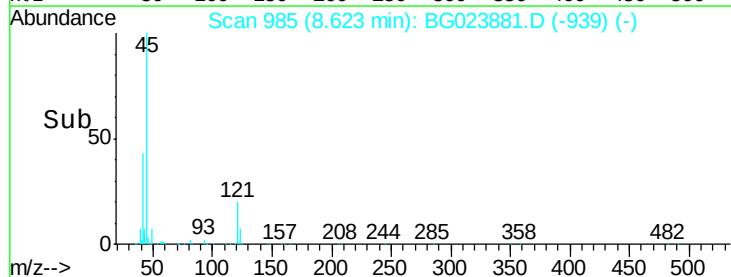
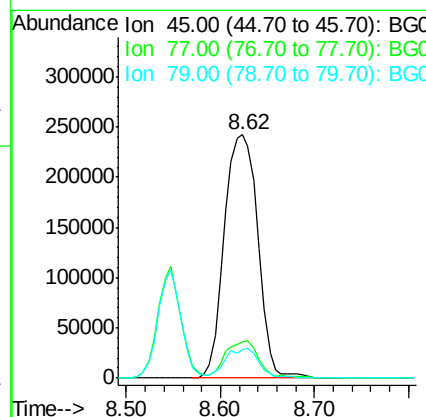
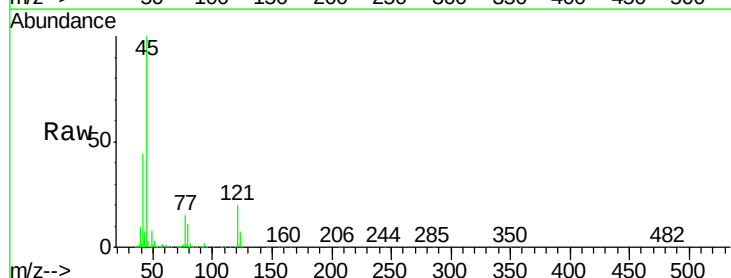
Instrument :  
BNA\_G  
ClientSampled :

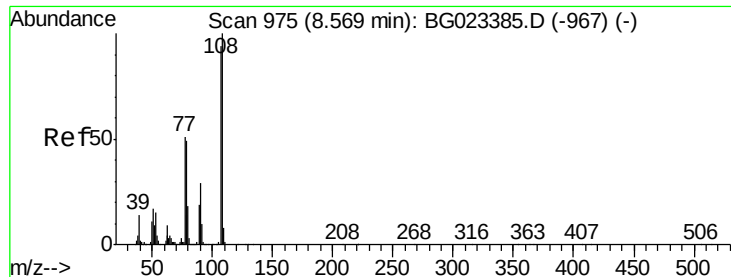
Tot Ion: 79 Resp: 379723  
Ion Ratio Lower Upper  
79 100  
108 64.6 46.5 69.7  
77 66.1 52.3 78.5



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 38.25 ng  
RT: 8.62 min Scan# 985  
Delta R.T. -0.03 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Tgt Ion: 45 Resp: 602082  
Ion Ratio Lower Upper  
45 100  
77 14.7 0.6 40.6  
79 11.5 0.0 36.2





#17

2-Methylphenol

Concen: 35.86 ng

RT: 8.55 min Scan# 972

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampled :

Tot Ion:107 Resp: 322628

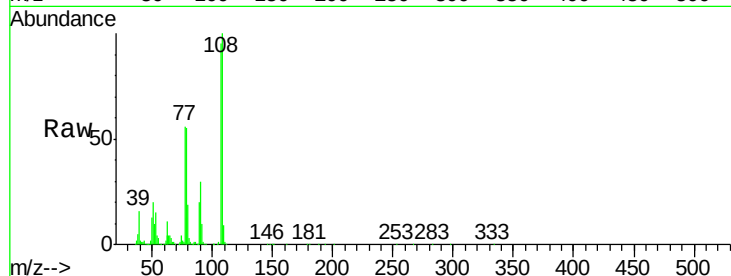
Ion Ratio Lower Upper

107 100

108 105.8 92.0 138.0

77 59.6 55.8 83.6

79 57.7 55.0 82.6

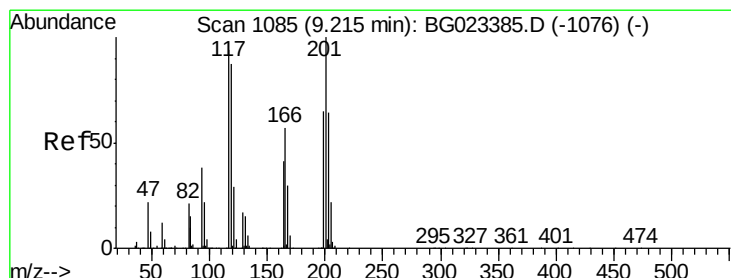
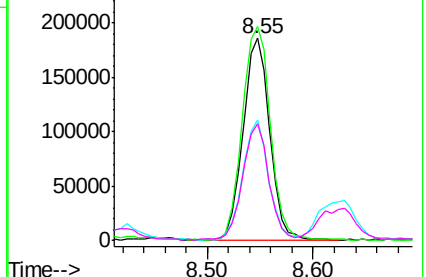
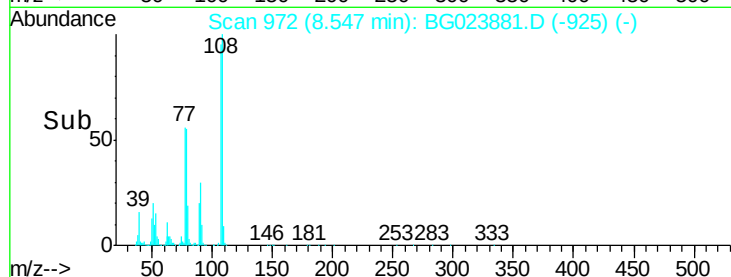


Abundance Ion 107.00 (106.70 to 107.70): E

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: 40.98 ng

RT: 9.19 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

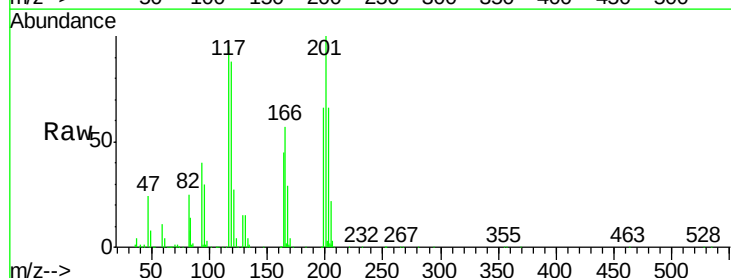
Tgt Ion:117 Resp: 167253

Ion Ratio Lower Upper

117 100

119 93.4 73.7 110.5

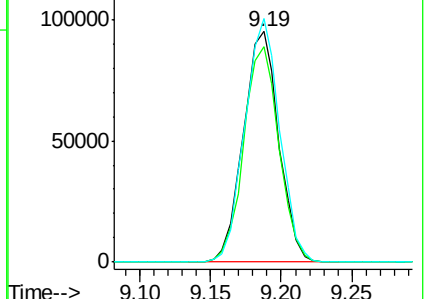
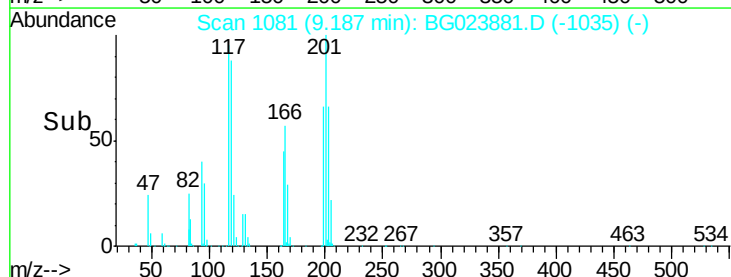
201 105.6 88.7 133.1

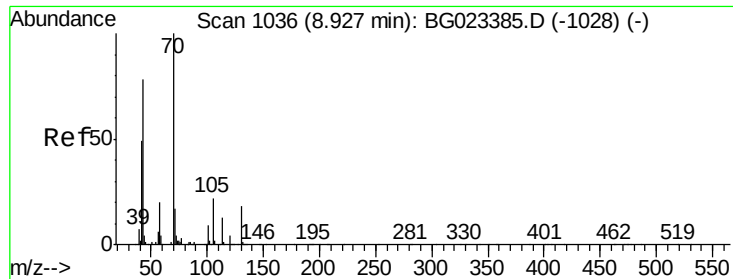


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

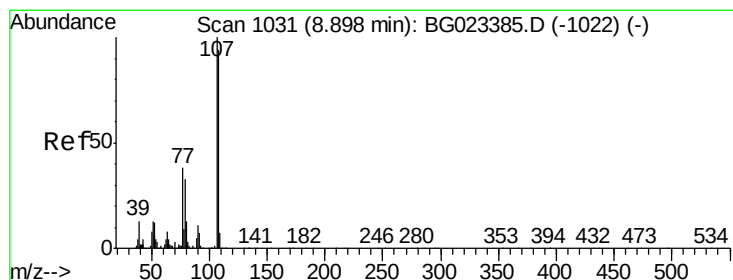
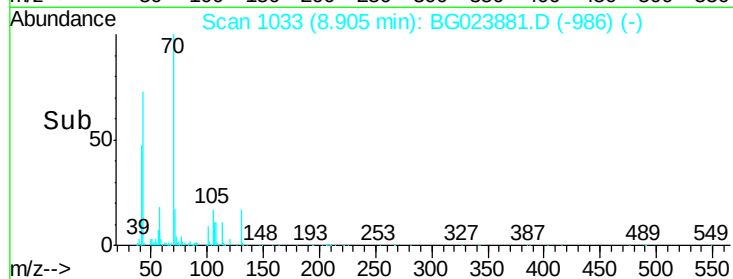
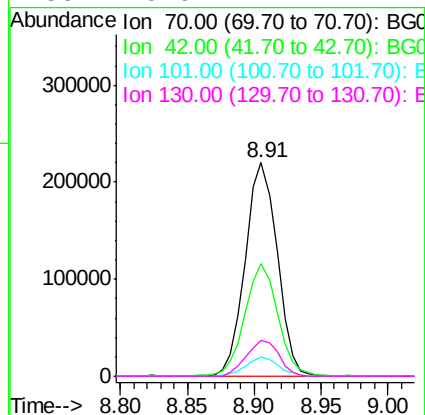
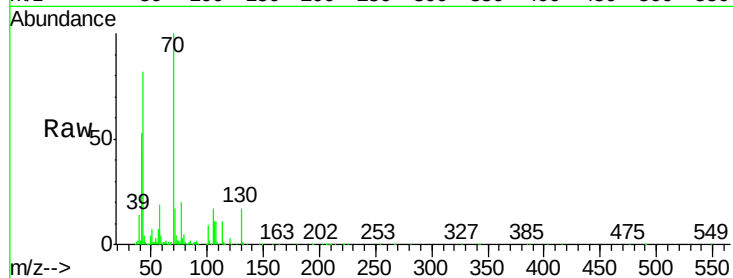




#19  
n-Nitroso-di-n-propylamine  
Concen: 33.76 ng  
RT: 8.91 min Scan# 1033  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

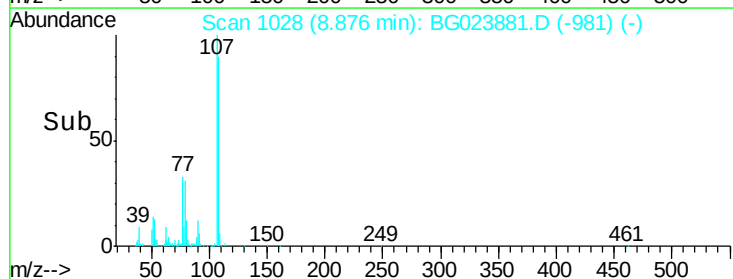
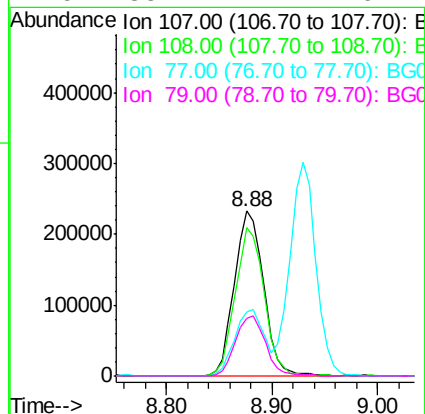
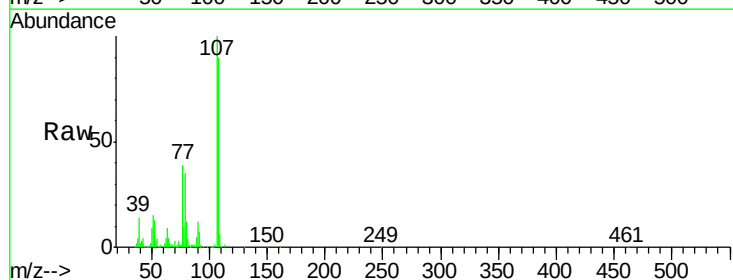
Instrument :  
BNA\_G  
ClientSampleId :

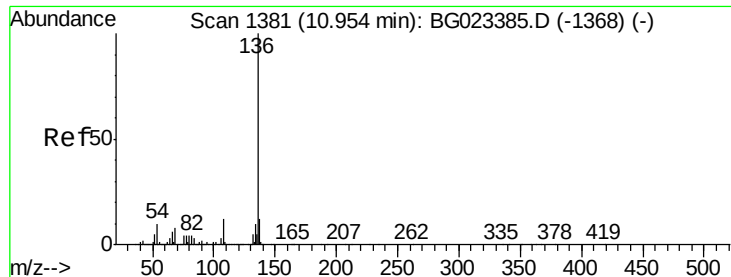
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 364247 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 52.9  | 42.1  | 63.1   |
| 101      | 8.9   | 7.2   | 10.8   |
| 130      | 16.6  | 14.2  | 21.2   |



#20  
3+4-Methylphenols  
Concen: 35.17 ng  
RT: 8.88 min Scan# 1028  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 446088 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.7  | 72.5  | 112.5  |
| 77       | 39.2  | 30.1  | 70.1   |
| 79       | 35.2  | 24.2  | 64.2   |

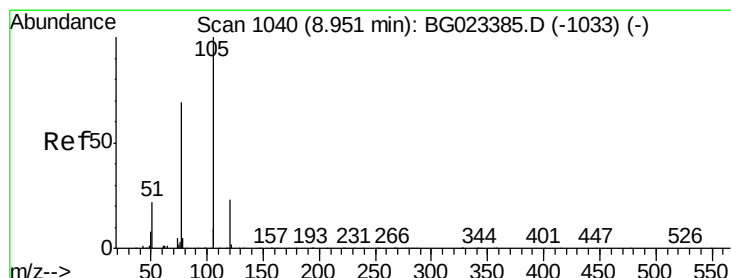
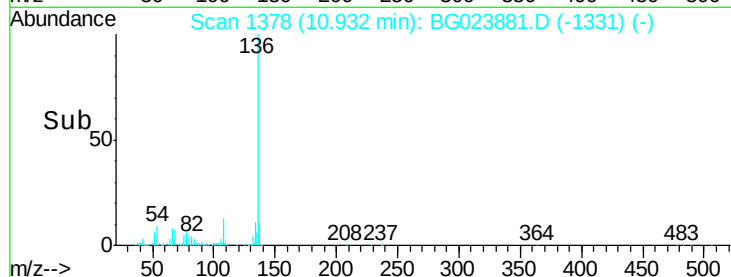
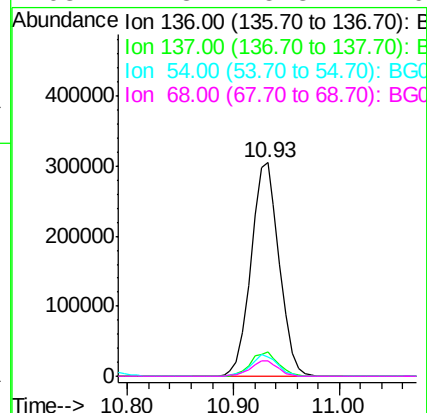
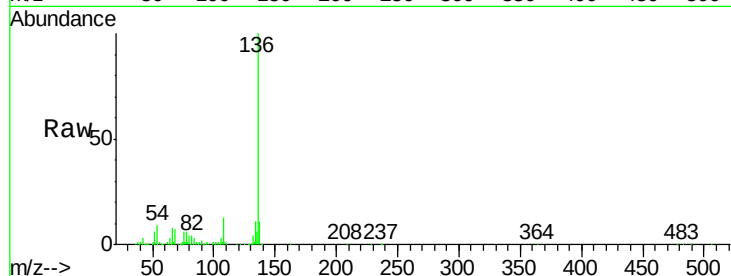




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.93 min Scan# 1378  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

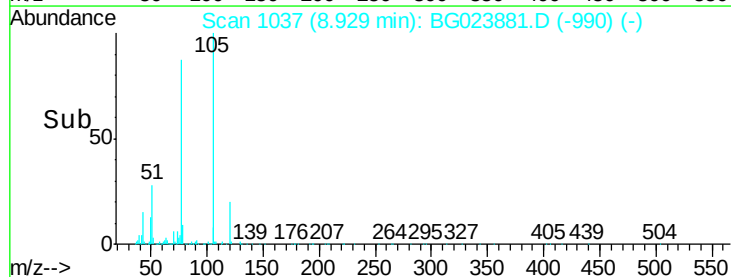
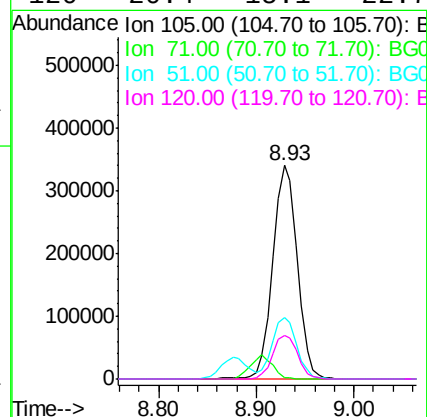
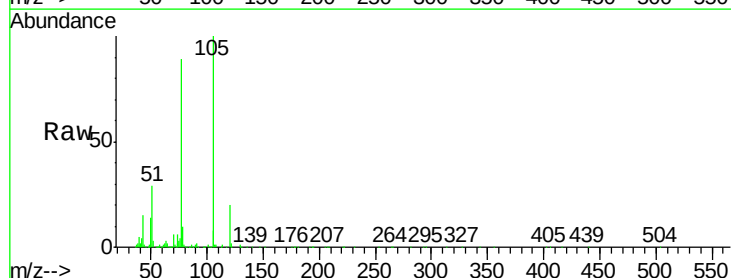
Instrument :  
BNA\_G  
ClientSampleId :

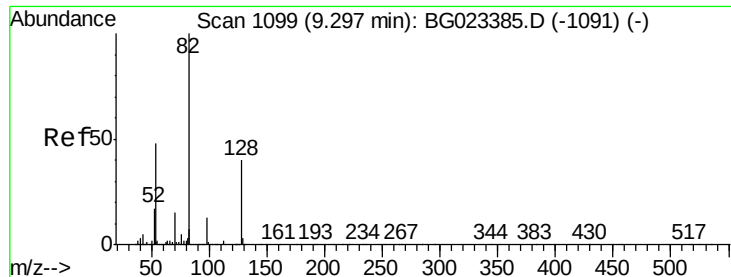
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 562075   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.3  | 9.6 14.4 |
| 54          | 9.3   | 7.3 10.9 |
| 68          | 7.3   | 5.3 7.9  |



#22  
Acetophenone  
Concen: 38.90 ng  
RT: 8.93 min Scan# 1037  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:105 | Resp: | 598737    |
| Ion Ratio   | Lower | Upper     |
| 105         | 100   |           |
| 71          | 0.9   | 2.6 3.8#  |
| 51          | 28.7  | 27.1 40.7 |
| 120         | 20.4  | 15.1 22.7 |

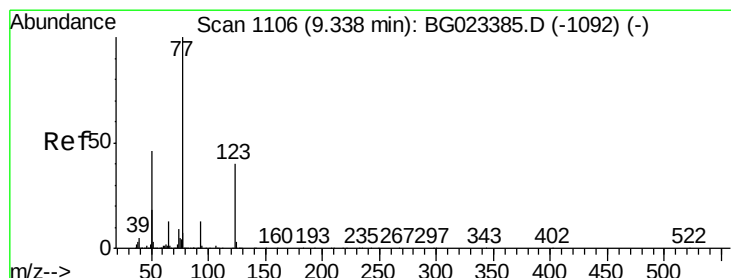
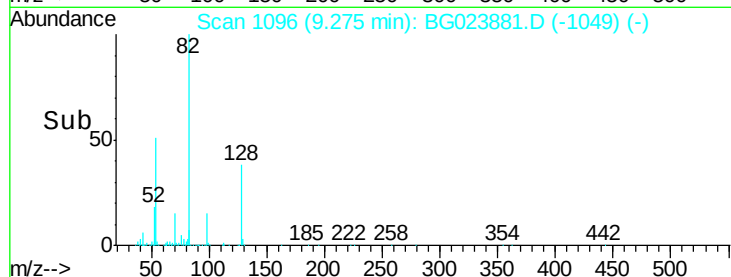
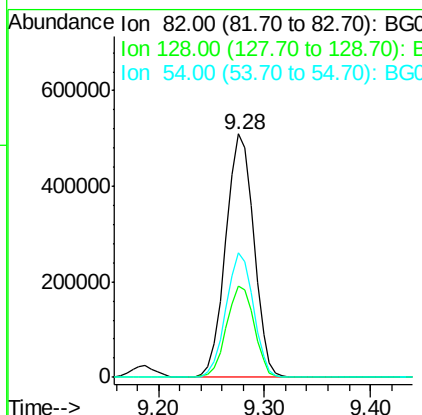
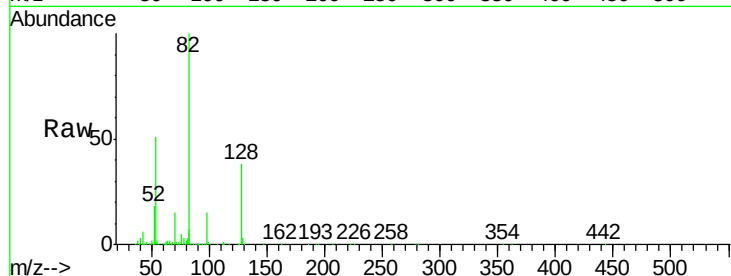




#23  
 Nitrobenzene-d5  
 Concen: 82.88 ng  
 RT: 9.28 min Scan# 1096  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

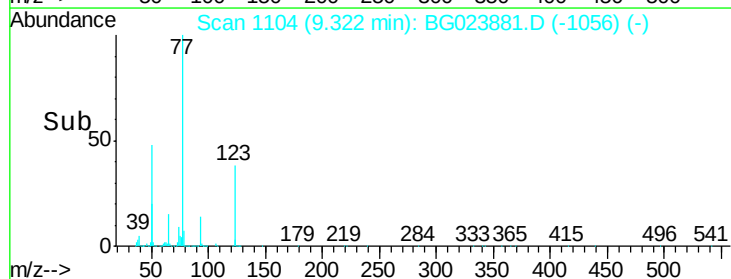
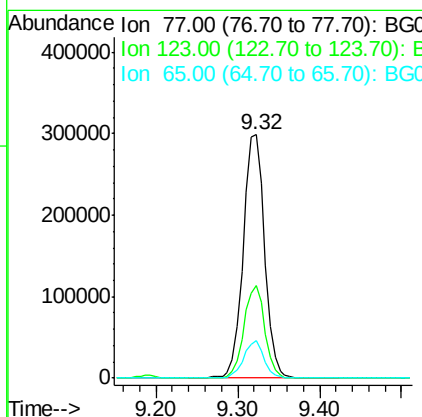
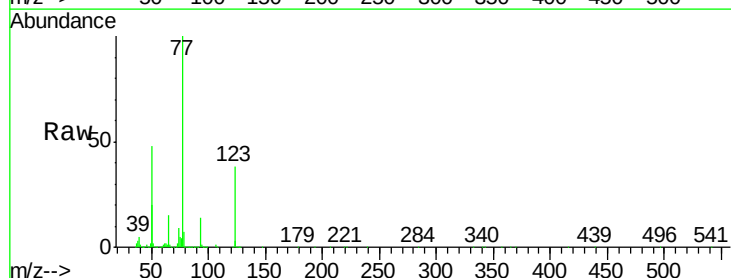
Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion: 82 Resp: 937056  
 Ion Ratio Lower Upper  
 82 100  
 128 37.6 24.4 36.6#  
 54 51.2 41.4 62.0

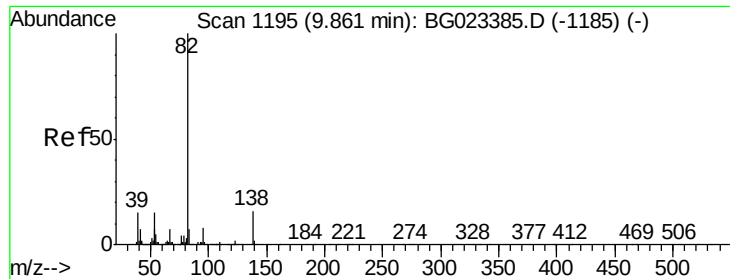


#24  
 Nitrobenzene  
 Concen: 43.18 ng  
 RT: 9.32 min Scan# 1104  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

Tgt Ion: 77 Resp: 540652  
 Ion Ratio Lower Upper  
 77 100  
 123 38.2 25.0 37.6#  
 65 15.3 13.4 20.0







#25

Isophorone

Concen: 39.69 ng

RT: 9.84 min Scan# 1192

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

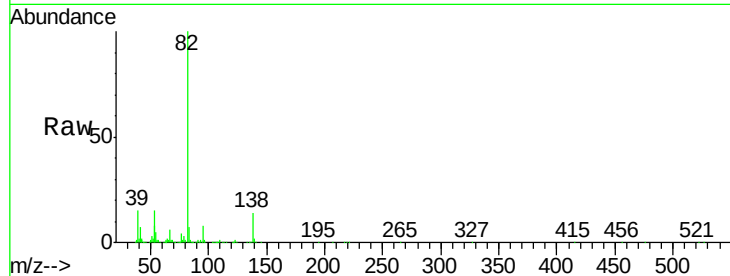
Tot Ion: 82 Resp: 934783

Ion Ratio Lower Upper

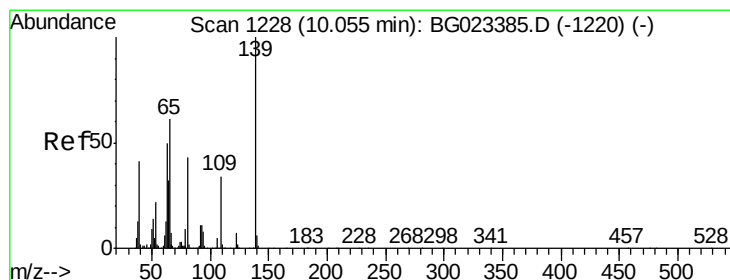
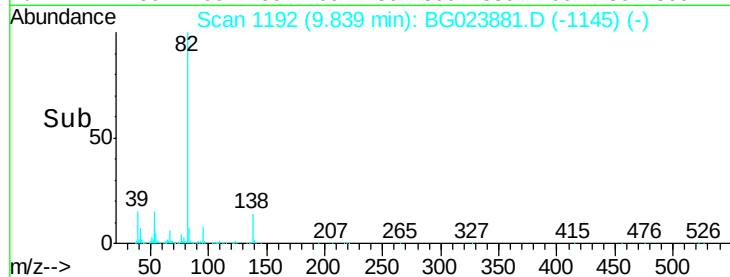
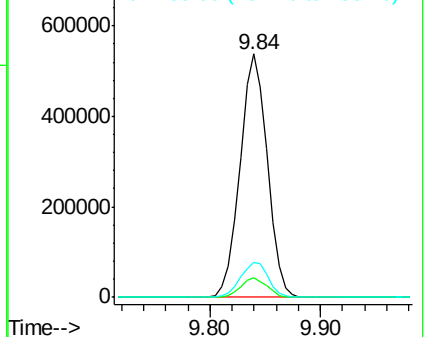
82 100

95 8.0 8.2 12.2#

138 14.4 10.7 16.1



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 95.00 (94.70 to 95.70): BGC  
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 41.10 ng

RT: 10.04 min Scan# 1226

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

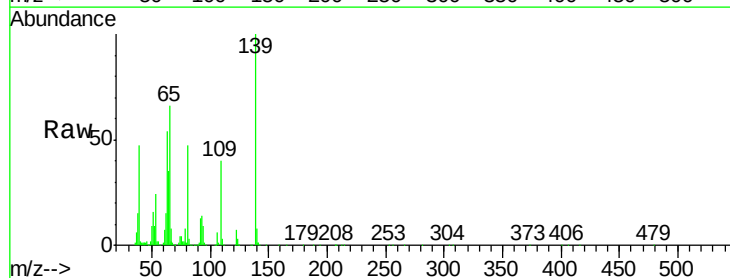
Tgt Ion: 139 Resp: 217161

Ion Ratio Lower Upper

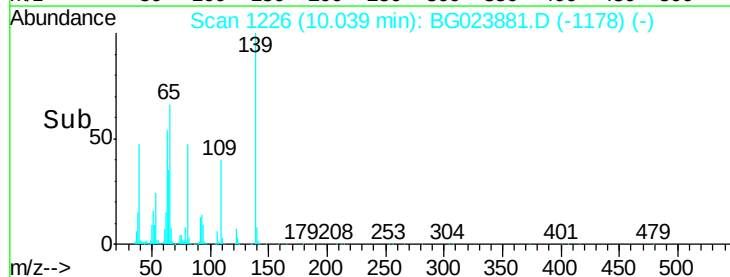
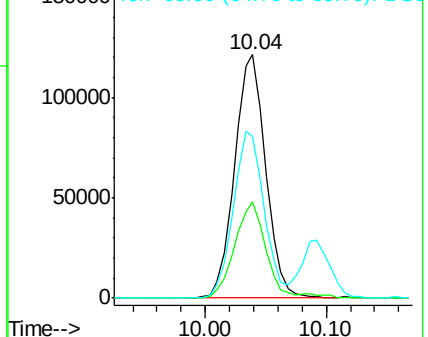
139 100

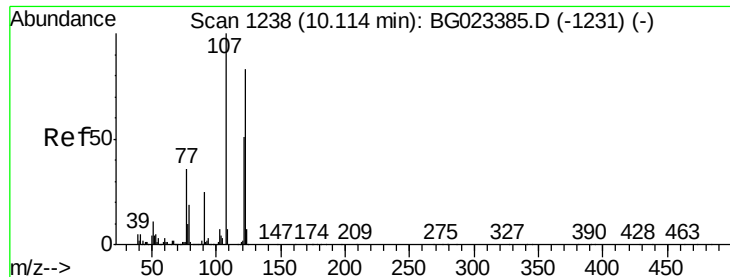
109 39.6 43.5 65.3#

65 66.4 64.3 96.5



Abundance Ion 139.00 (138.70 to 139.70): BGC  
Ion 109.00 (108.70 to 109.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC

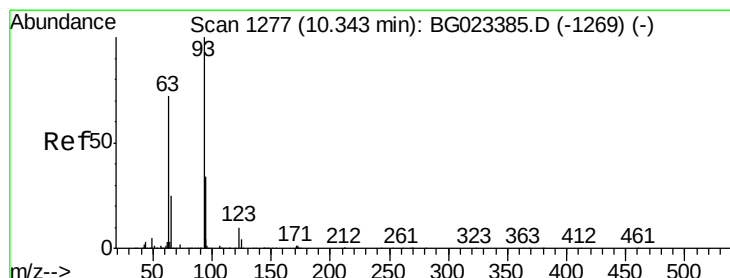
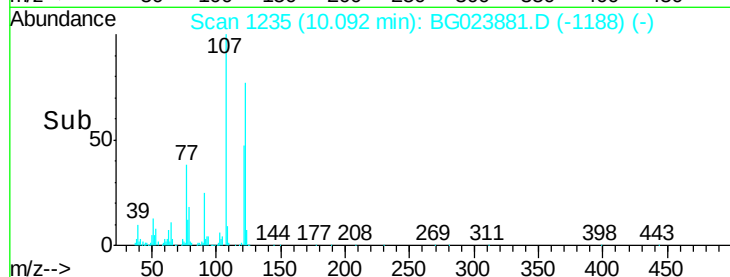
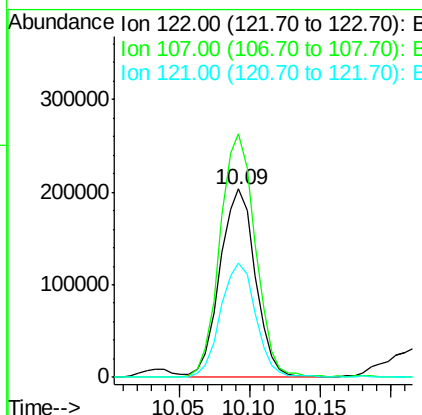
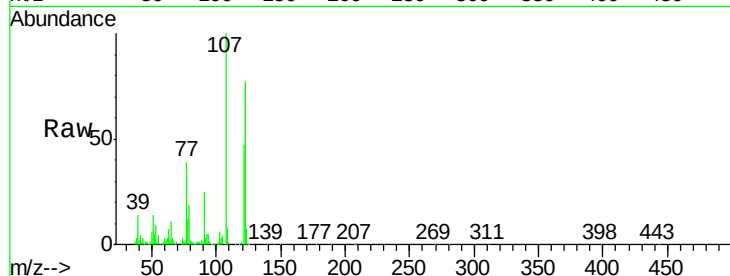




#27  
 2,4-Dimethylphenol  
 Concen: 39.12 ng  
 RT: 10.09 min Scan# 1235  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

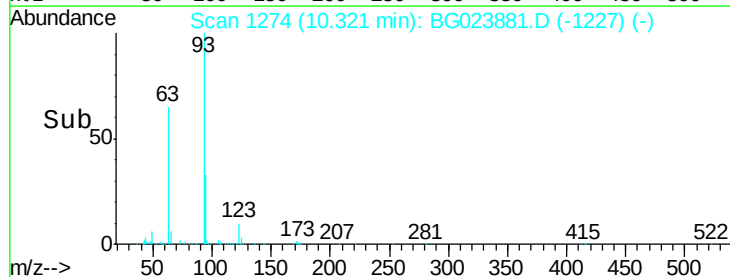
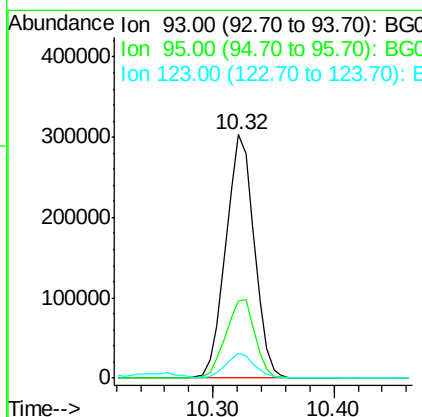
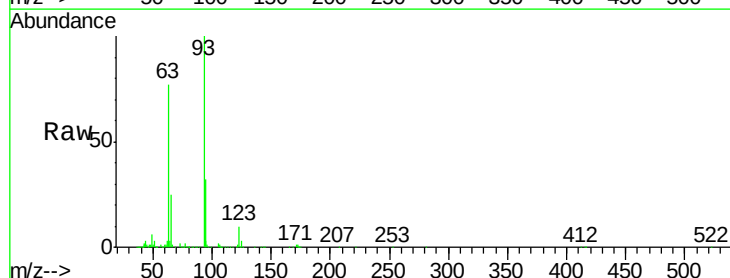
Instrument :  
 BNA\_G  
 ClientSampleId :

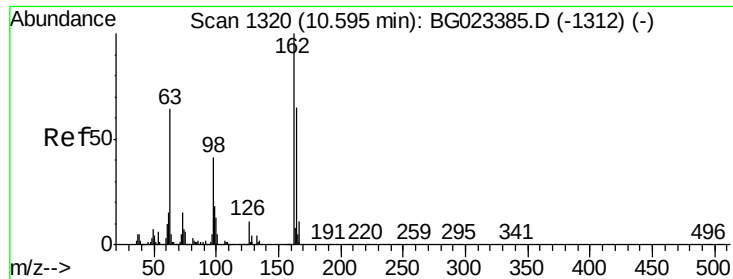
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 129.4 | 117.0 | 175.4 |
| 121     | 60.5  | 50.1  | 75.1  |



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 34.97 ng  
 RT: 10.32 min Scan# 1274  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.9  | 25.4  | 38.2  |
| 123     | 10.3  | 8.2   | 12.2  |

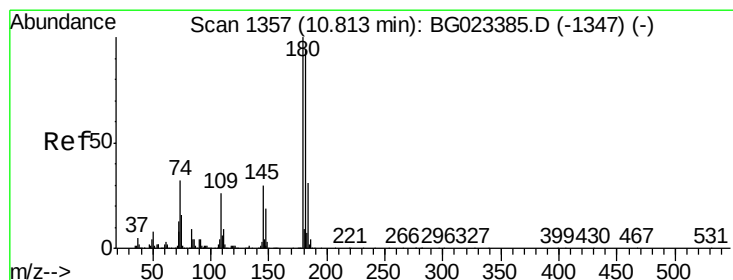
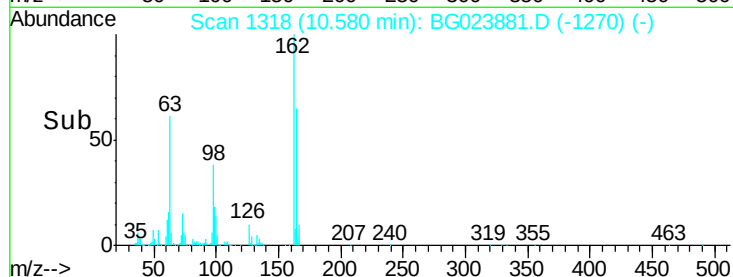
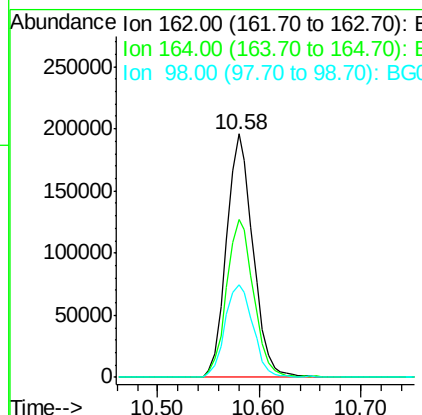
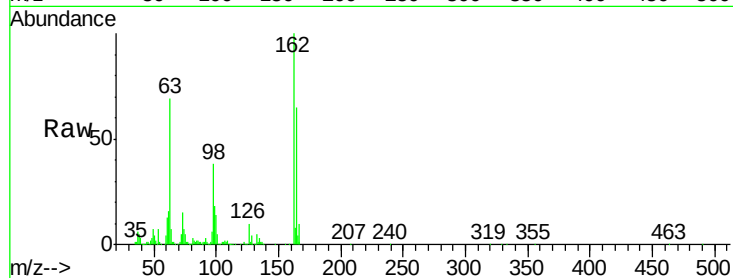




#29  
 2,4-Dichlorophenol  
 Concen: 39.28 ng  
 RT: 10.58 min Scan# 1318  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

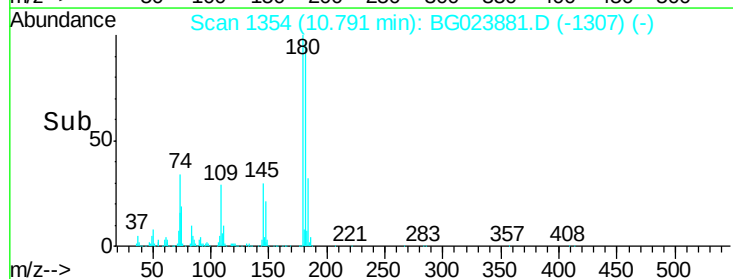
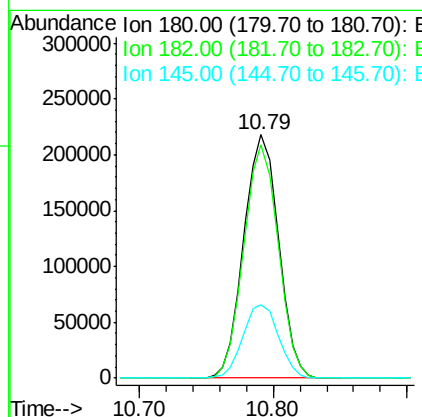
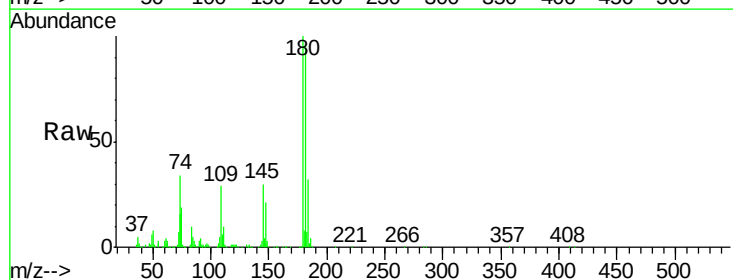
Instrument :  
 BNA\_G  
 ClientSampleId :

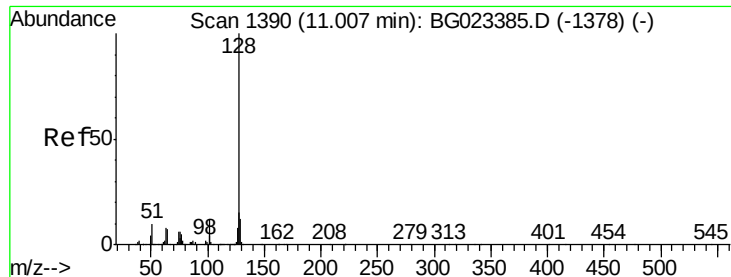
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.8  | 44.3  | 84.3  |
| 98      | 38.1  | 19.5  | 59.5  |



#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.23 ng  
 RT: 10.79 min Scan# 1354  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.0  | 73.8  | 110.8 |
| 145     | 30.0  | 24.4  | 36.6  |

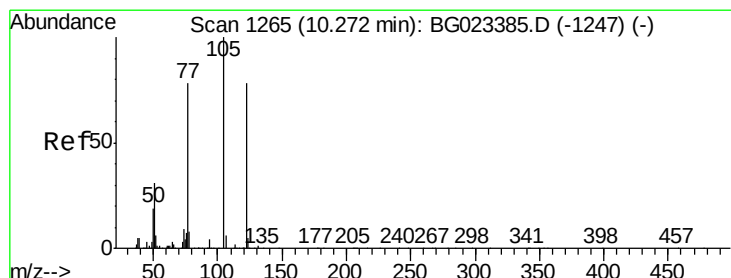
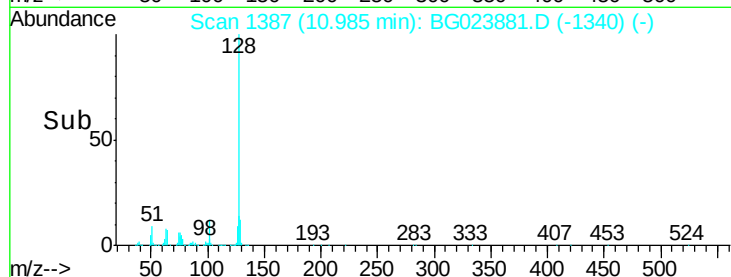
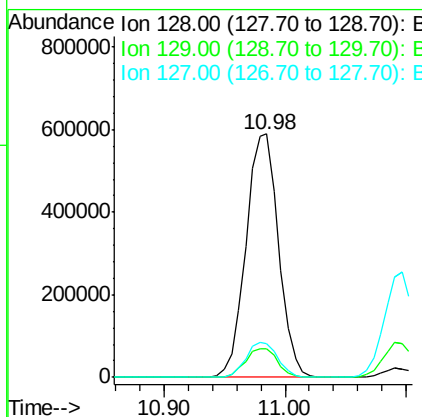
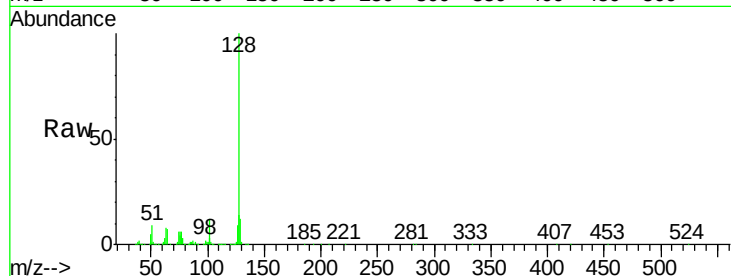




#31  
Naphthalene  
Concen: 38.62 ng  
RT: 10.98 min Scan# 1387  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

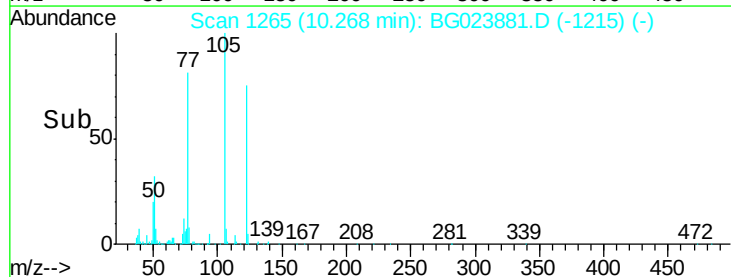
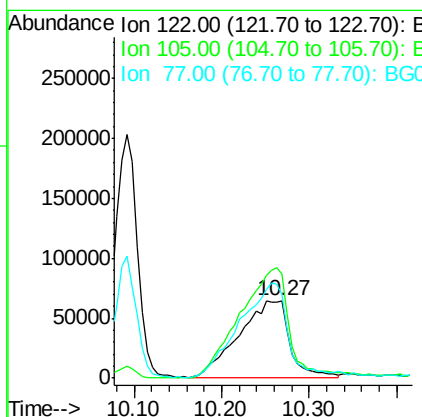
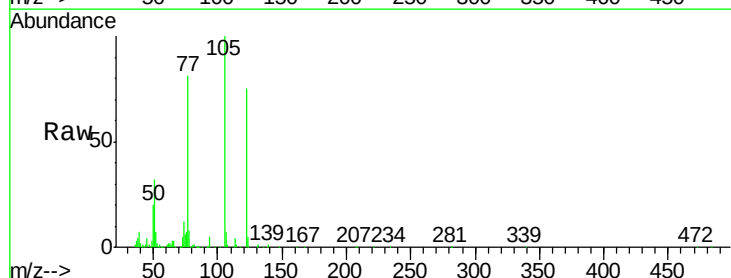
Instrument :  
BNA\_G  
ClientSampleId :

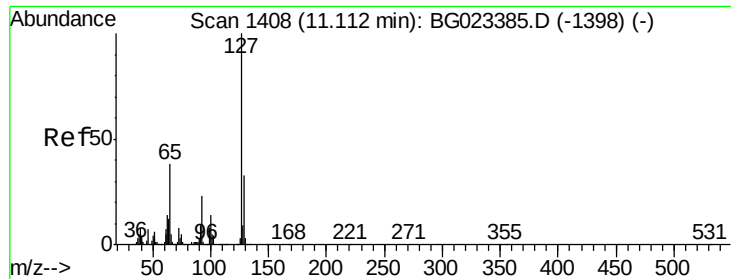
Tot Ion:128 Resp: 1105418  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.4 14.0  
127 13.8 11.3 16.9



#32  
Benzoic acid  
Concen: 32.89 ng  
RT: 10.27 min Scan# 1265  
Delta R.T. -0.00 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Tgt Ion:122 Resp: 253016  
Ion Ratio Lower Upper  
122 100  
105 133.9 117.2 157.2  
77 108.3 109.2 149.2#

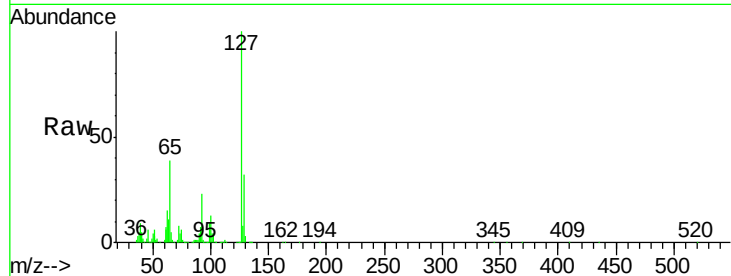




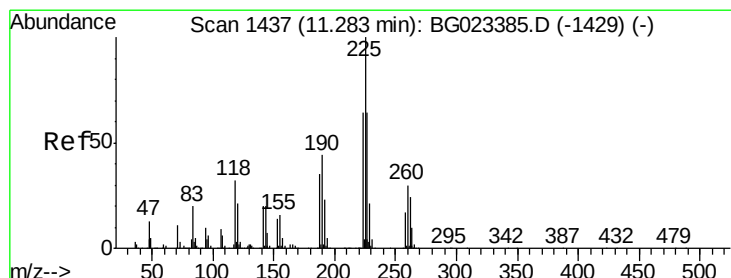
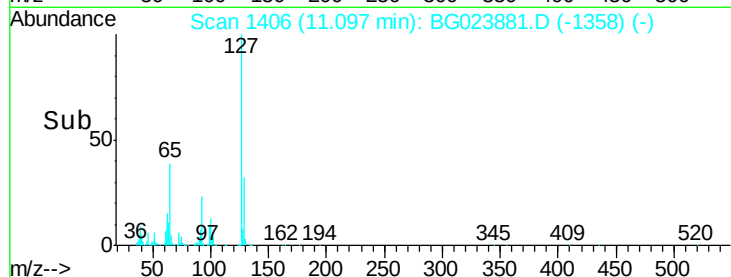
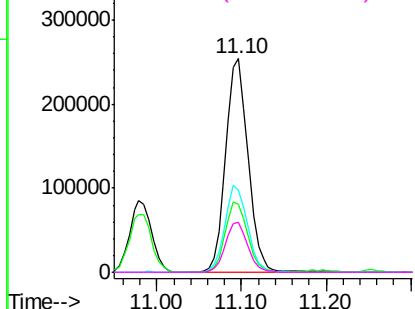
#33  
4-Chloroaniline  
Concen: 33.84 ng  
RT: 11.10 min Scan# 1406  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:127 | Resp: | 462982    |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 31.7  | 27.9 41.9 |
| 65          | 38.5  | 36.8 55.2 |
| 92          | 23.5  | 21.0 31.6 |

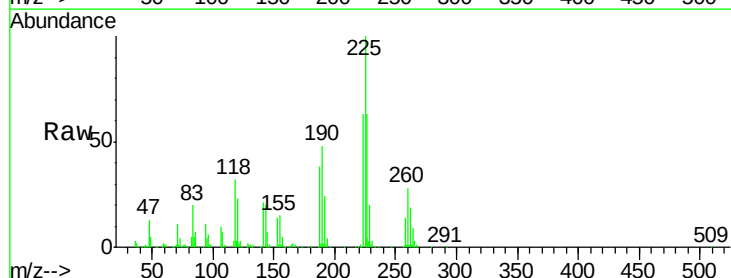


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

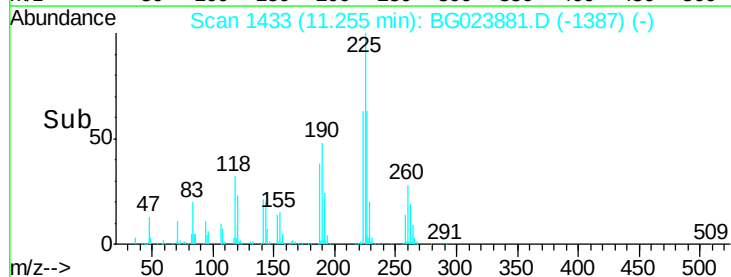
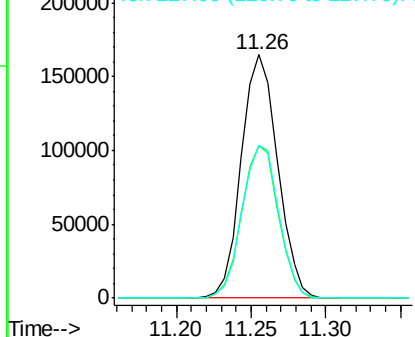


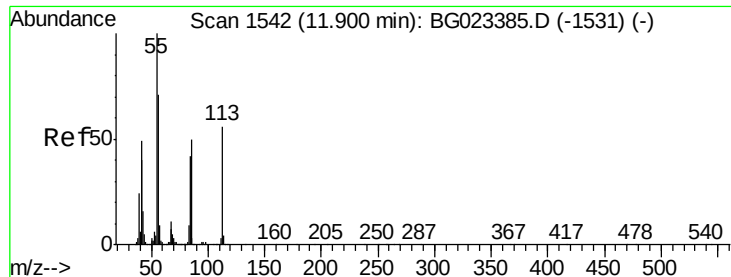
#34  
Hexachlorobutadiene  
Concen: 43.35 ng  
RT: 11.26 min Scan# 1433  
Delta R.T. -0.03 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 278173    |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 62.9  | 49.6 74.4 |
| 227         | 62.5  | 54.5 81.7 |



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

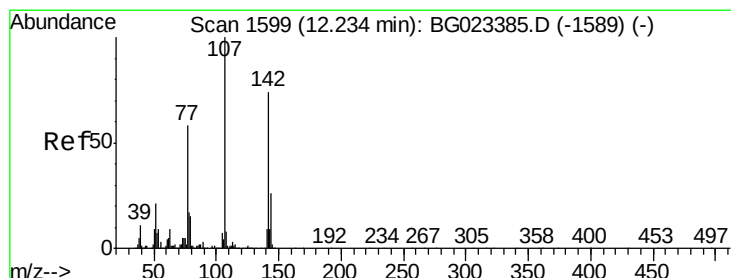
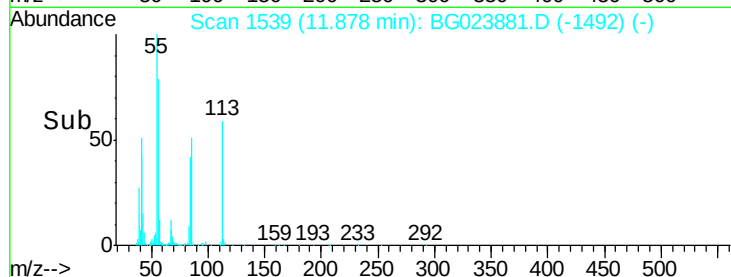
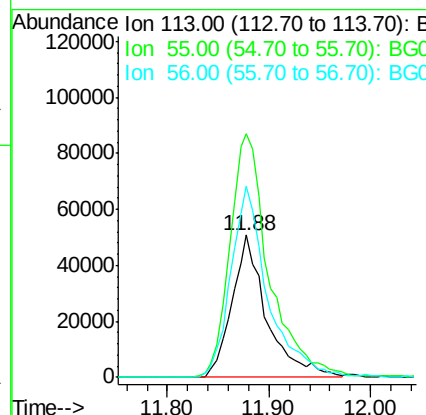
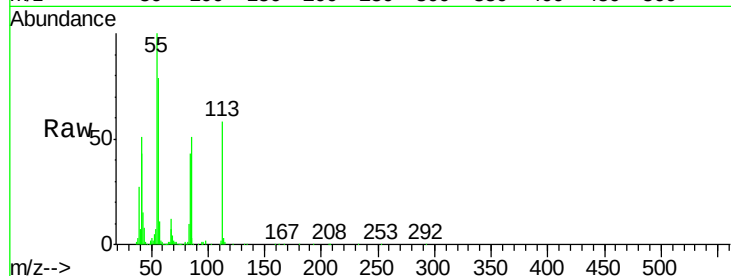




#35  
 Caprolactam  
 Concen: 31.77 ng  
 RT: 11.88 min Scan# 1539  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

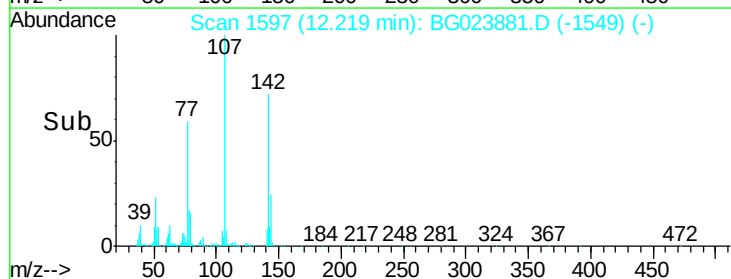
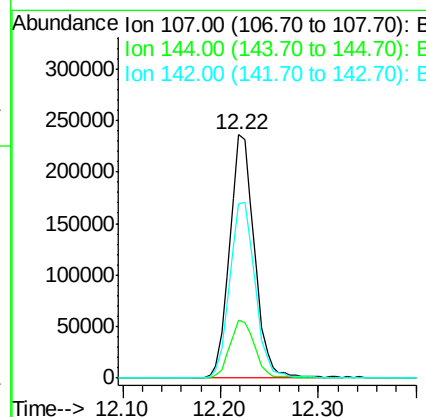
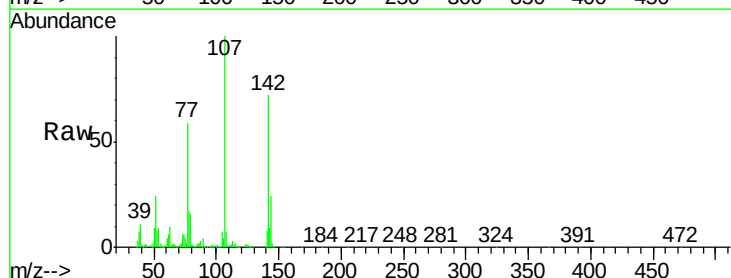
Instrument :  
 BNA\_G  
 ClientSampled :

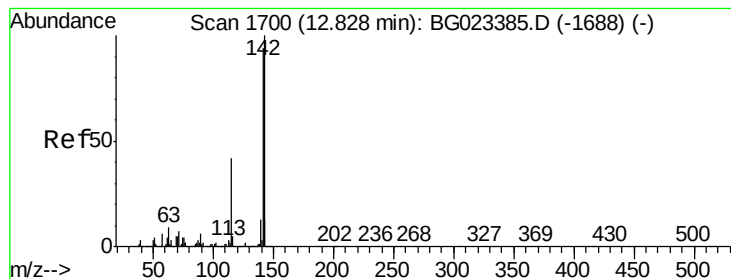
Tot Ion:113 Resp: 120925  
 Ion Ratio Lower Upper  
 113 100  
 55 171.2 154.5 194.5  
 56 134.7 125.1 165.1



#36  
 4-Chloro-3-methylphenol  
 Concen: 35.22 ng  
 RT: 12.22 min Scan# 1597  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

Tgt Ion:107 Resp: 418572  
 Ion Ratio Lower Upper  
 107 100  
 144 23.8 17.0 25.6  
 142 71.9 53.0 79.6





#37

2-Methylnaphthalene

Concen: 34.57 ng

RT: 12.81 min Scan# 1697

Delta R.T. 0.20 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

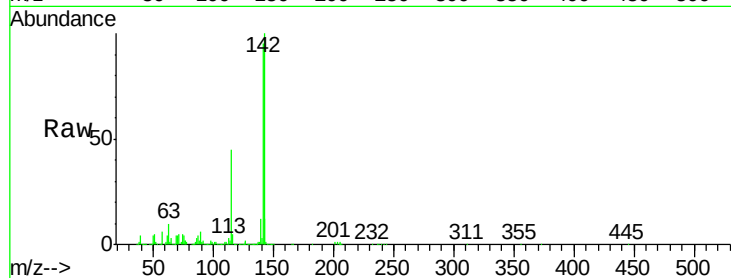
Tot Ion:142 Resp: 752212

Ion Ratio Lower Upper

142 100

141 94.6 70.2 105.2

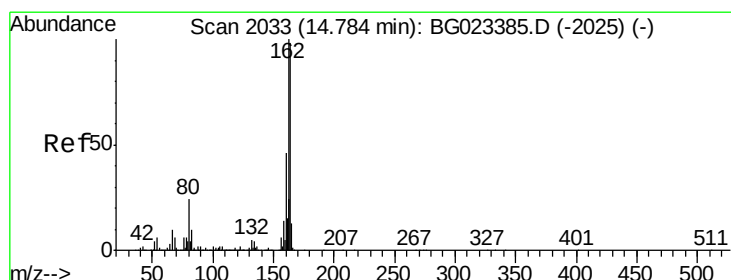
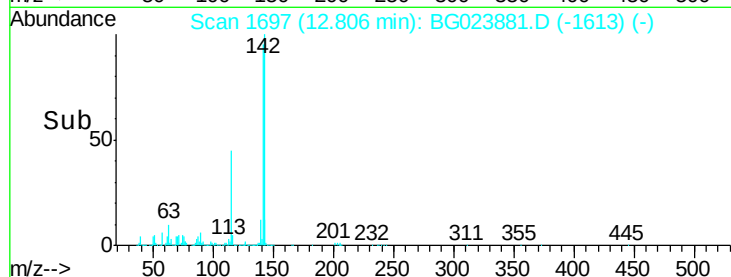
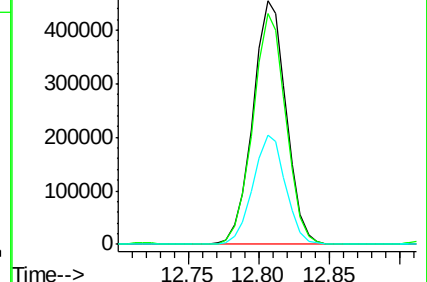
115 44.7 41.7 62.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.77 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

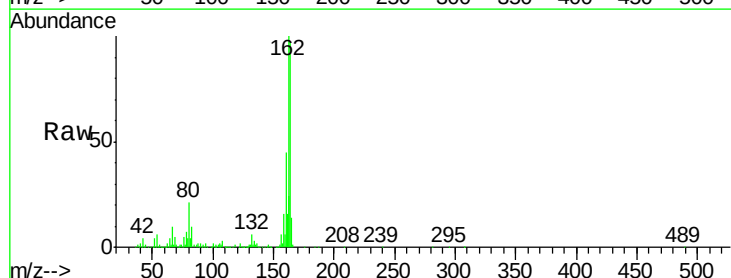
Tgt Ion:164 Resp: 335435

Ion Ratio Lower Upper

164 100

162 103.6 87.7 131.5

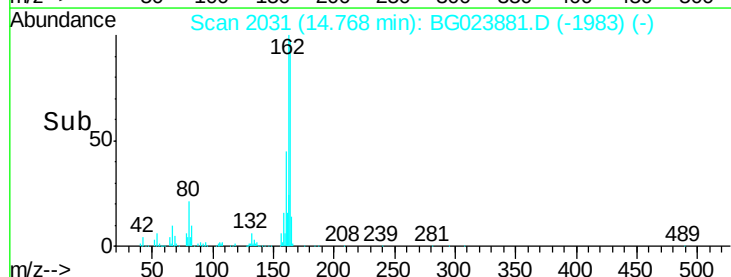
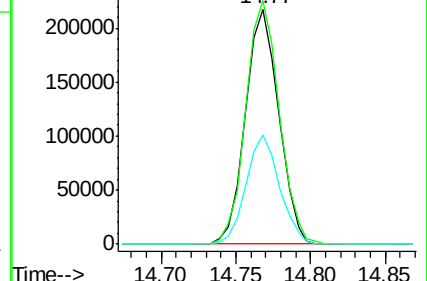
160 46.5 37.2 55.8

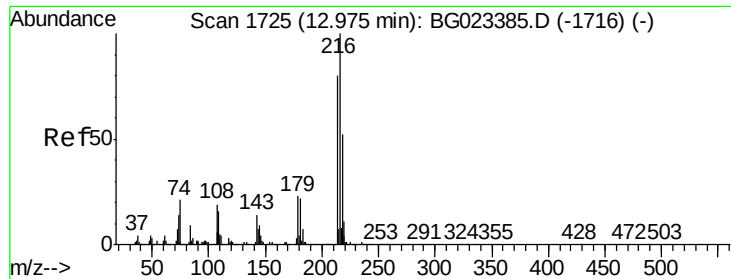


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

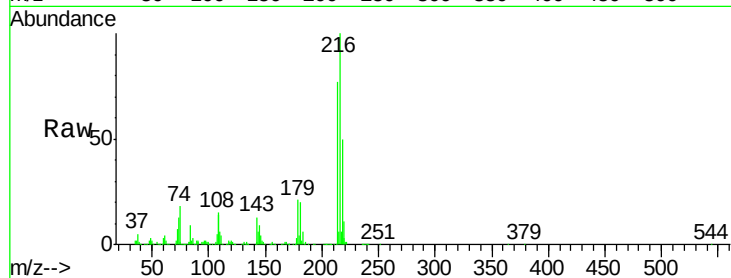




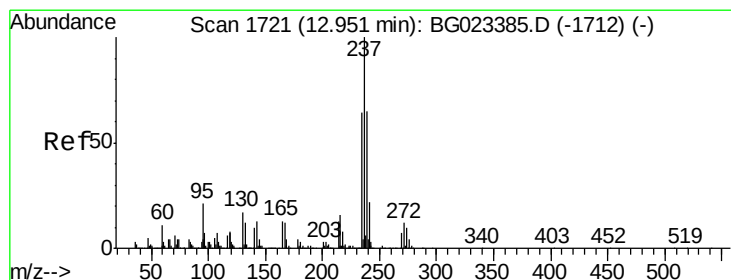
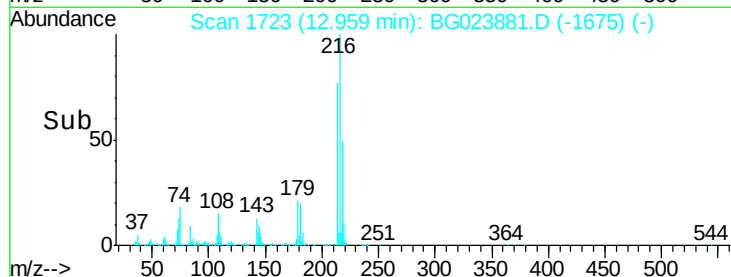
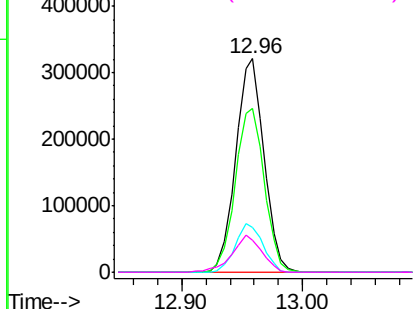
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.81 ng  
 RT: 12.96 min Scan# 1723  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

Instrument :  
 BNA\_G  
 ClientSampled :

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:216 | Resp: | 520702    |
| Ion Ratio   | Lower | Upper     |
| 216         | 100   |           |
| 214         | 79.0  | 62.9 94.3 |
| 179         | 22.6  | 17.2 25.8 |
| 108         | 18.5  | 16.3 24.5 |

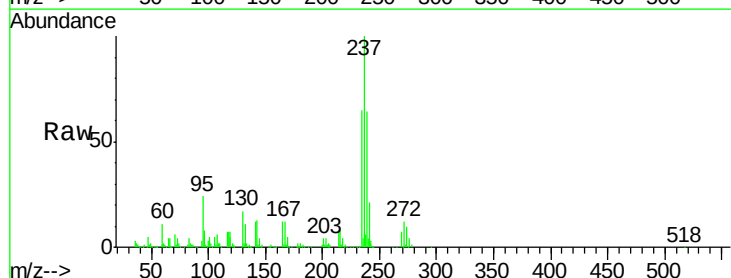


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

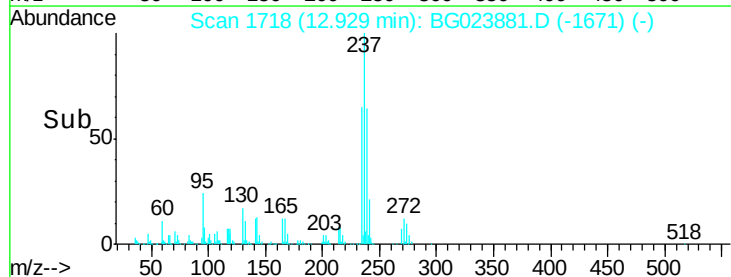
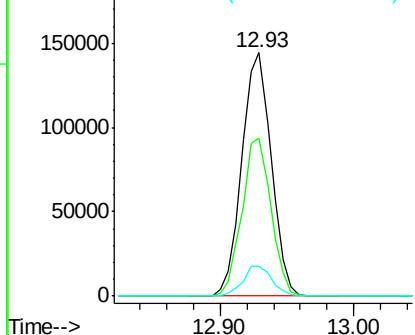


#40  
 Hexachlorocyclopentadiene  
 Concen: 35.62 ng  
 RT: 12.93 min Scan# 1718  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

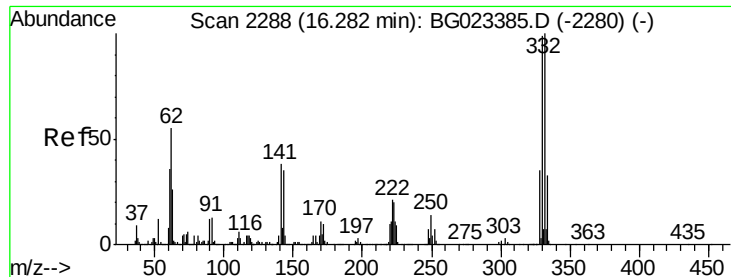
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:237 | Resp: | 218471    |
| Ion Ratio   | Lower | Upper     |
| 237         | 100   |           |
| 235         | 64.6  | 43.1 83.1 |
| 272         | 12.2  | 0.0 30.9  |



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



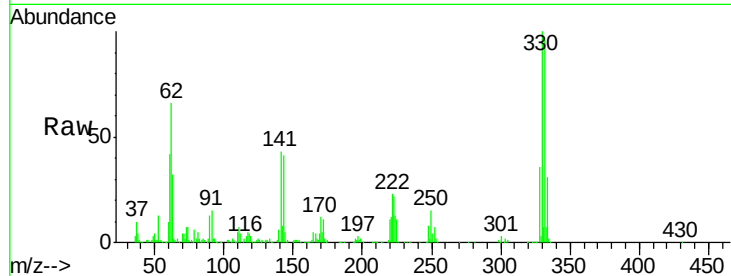




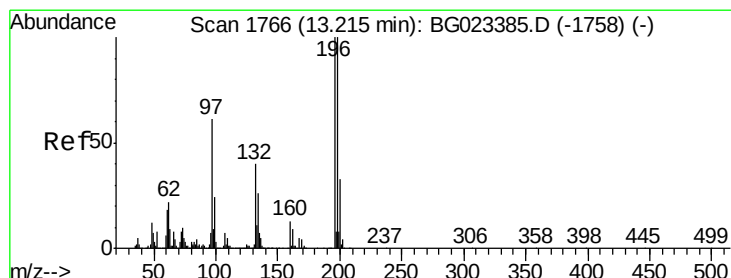
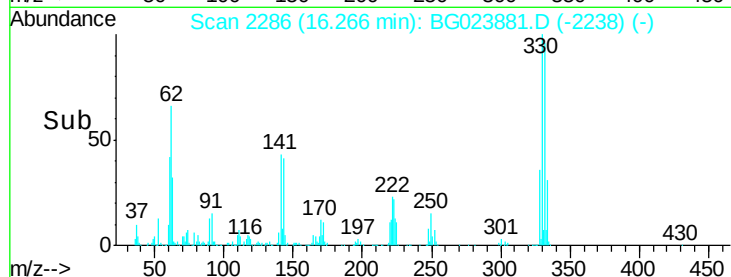
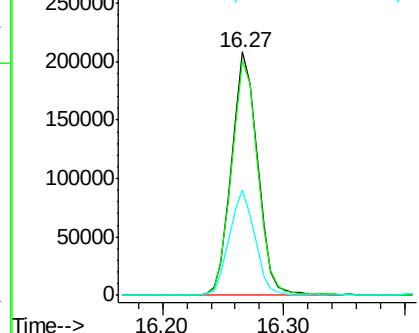
#41  
 2,4,6-Tribromophenol  
 Concen: 64.07 ng  
 RT: 16.27 min Scan# 2286  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion:330 Resp: 314362  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.4 116.2  
 141 42.2 31.7 47.5

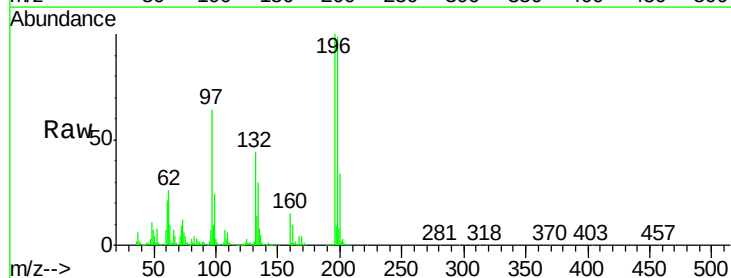


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

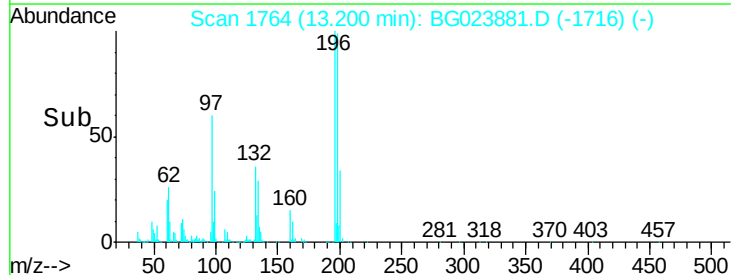
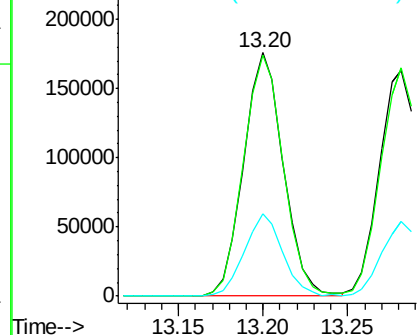


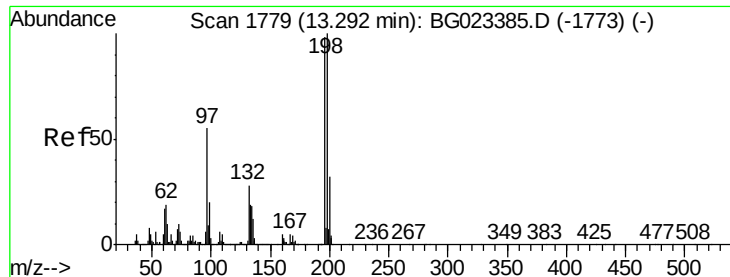
#42  
 2,4,6-Trichlorophenol  
 Concen: 39.57 ng  
 RT: 13.20 min Scan# 1764  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

Tgt Ion:196 Resp: 286691  
 Ion Ratio Lower Upper  
 196 100  
 198 99.2 78.2 117.2  
 200 34.0 27.0 40.4



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

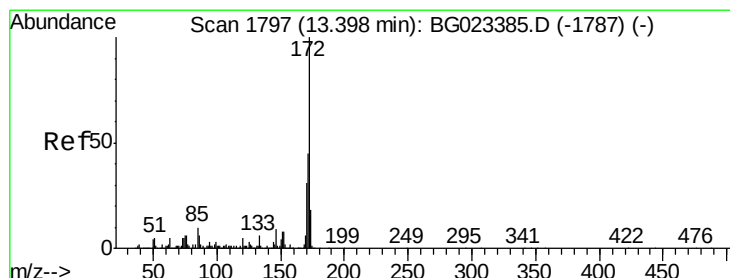
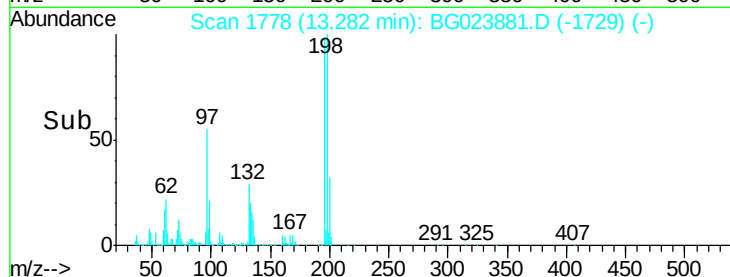
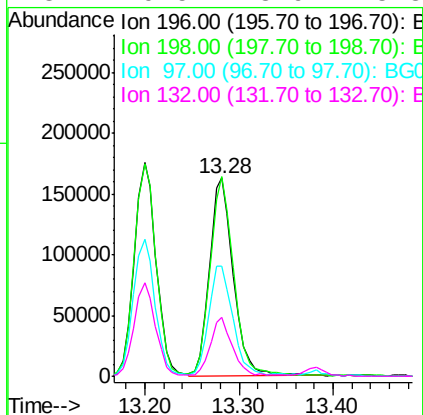
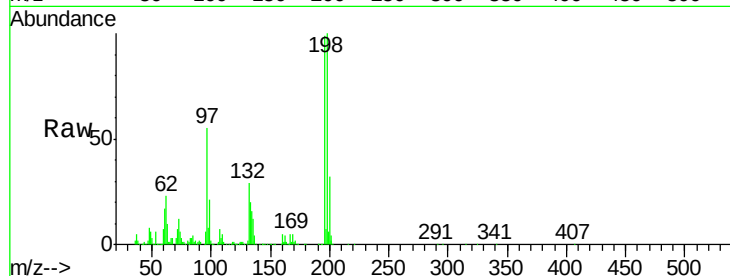




#43  
 2,4,5-Trichlorophenol  
 Concen: 38.87 ng  
 RT: 13.28 min Scan# 1778  
 Delta R.T. -0.01 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

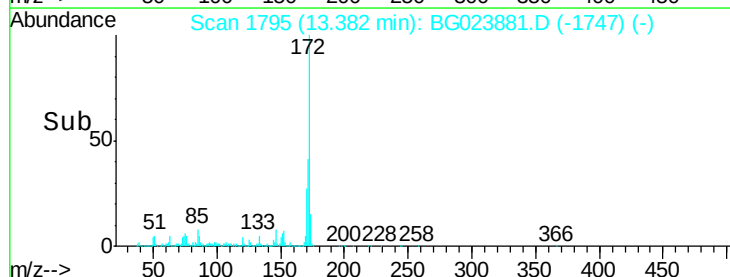
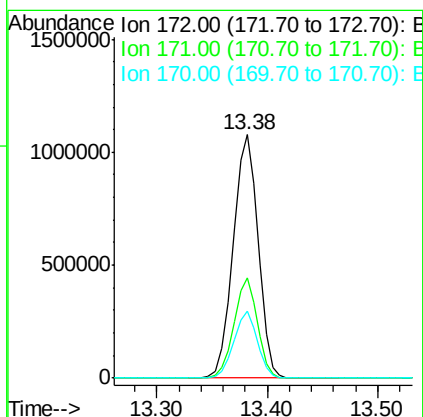
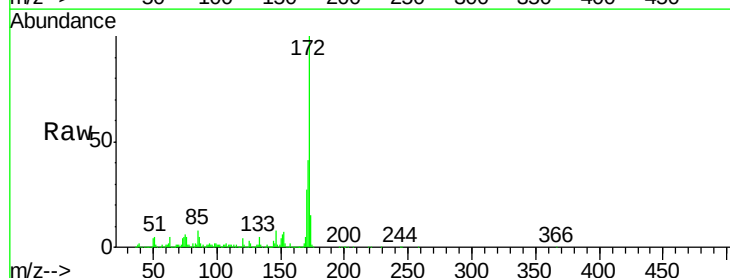
Instrument :  
 BNA\_G  
 ClientSampled :

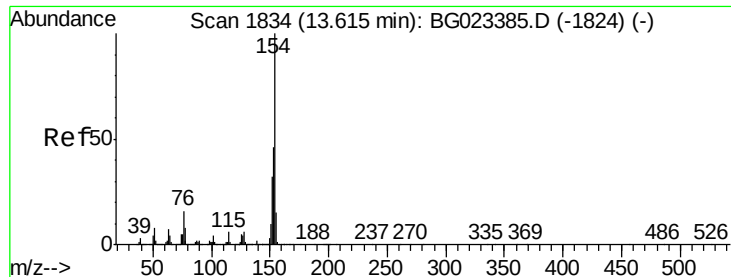
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 101.1 | 85.7  | 128.5 |
| 97      | 55.4  | 45.5  | 68.3  |
| 132     | 29.5  | 18.9  | 28.3  |



#44  
 2-Fluorobiphenyl  
 Concen: 85.90 ng  
 RT: 13.38 min Scan# 1795  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 41.2  | 31.6  | 47.4  |
| 170     | 27.5  | 21.3  | 31.9  |

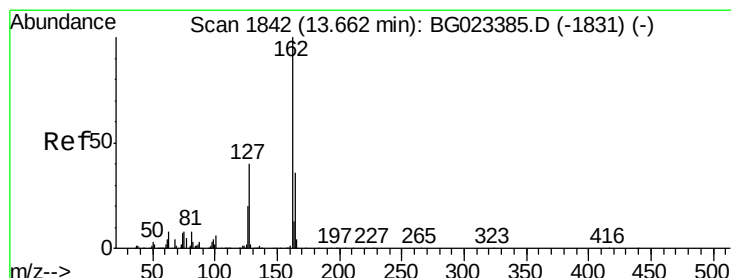
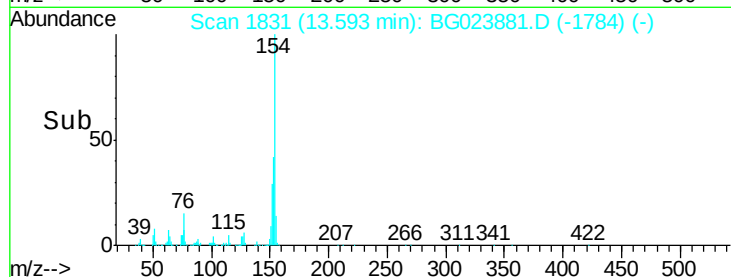
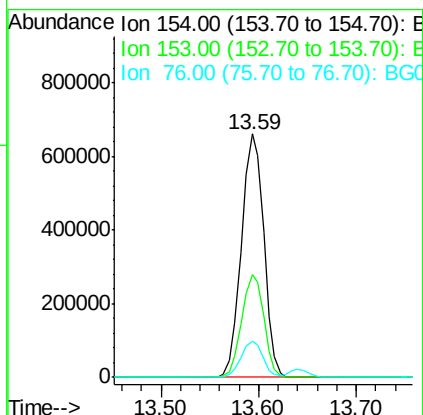
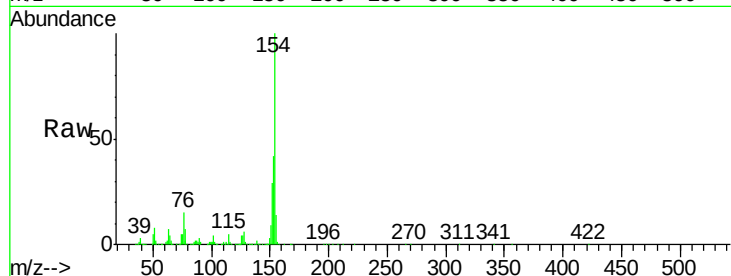




#45  
1,1'-Biphenyl  
Concen: 41.15 ng  
RT: 13.59 min Scan# 1831  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

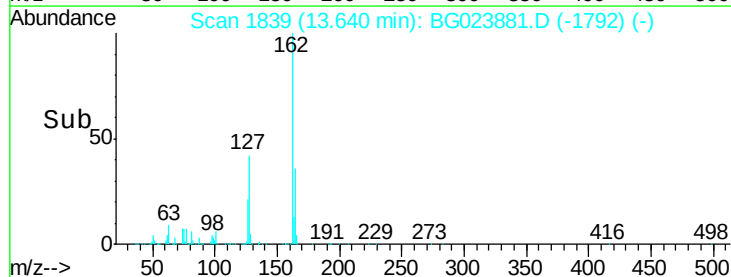
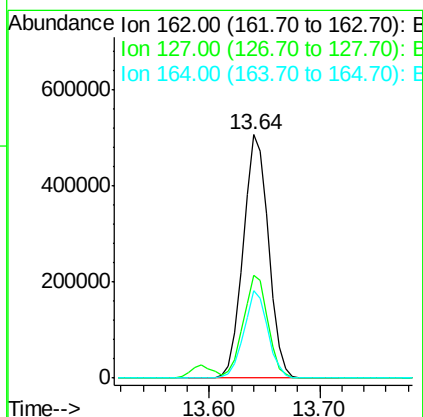
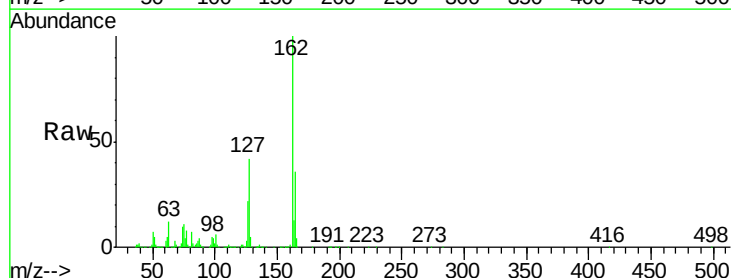
Instrument :  
BNA\_G  
ClientSampleId :

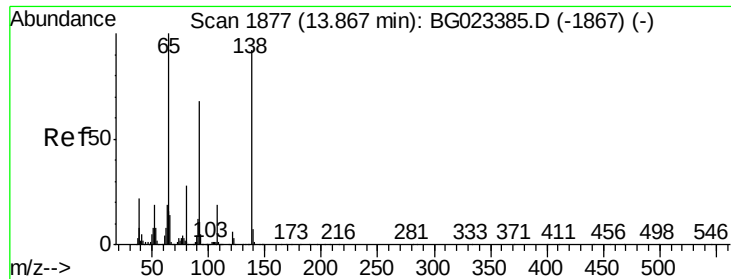
Tot Ion:154 Resp: 1055258  
Ion Ratio Lower Upper  
154 100  
153 42.4 20.2 60.2  
76 14.9 0.0 32.9



#46  
2-Chloronaphthalene  
Concen: 40.97 ng  
RT: 13.64 min Scan# 1839  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Tgt Ion:162 Resp: 812679  
Ion Ratio Lower Upper  
162 100  
127 42.3 32.4 48.6  
164 36.0 25.2 37.8

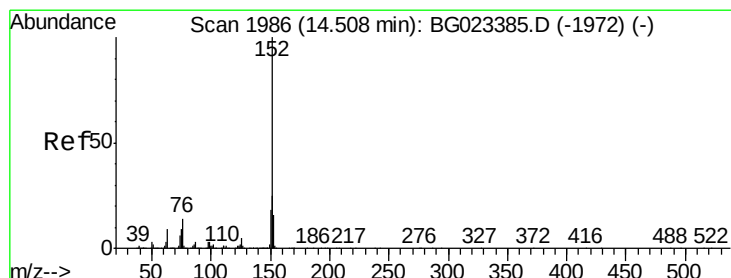
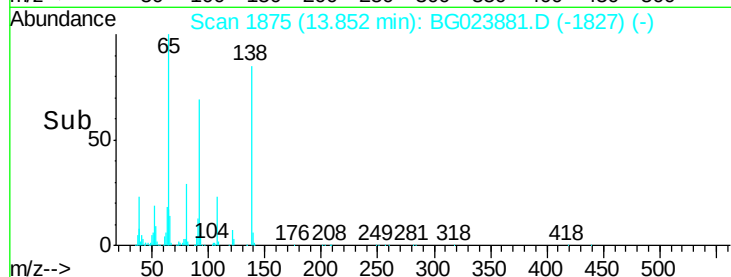
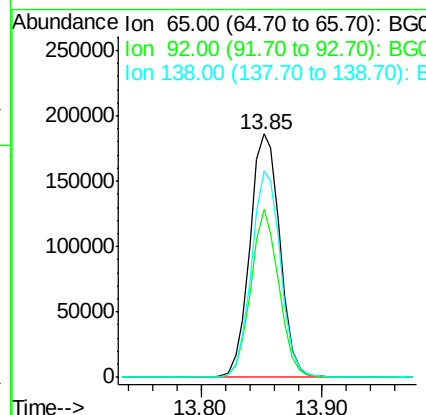
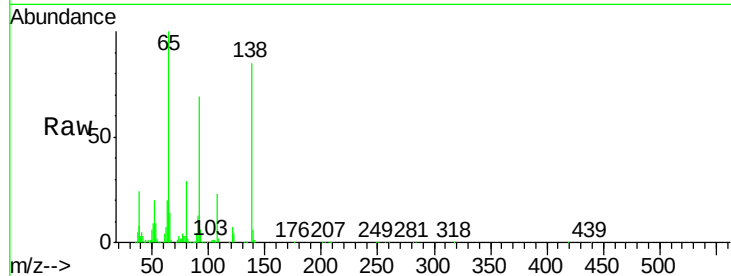




#47  
2-Nitroaniline  
Concen: 39.16 ng  
RT: 13.85 min Scan# 1875  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

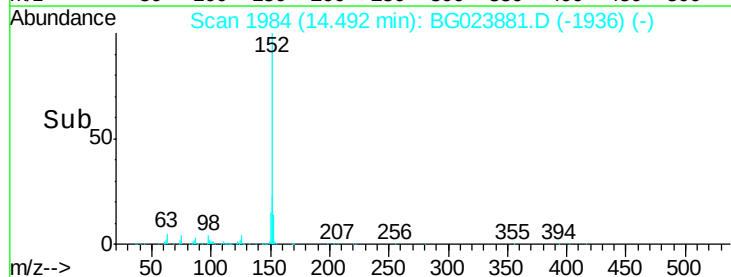
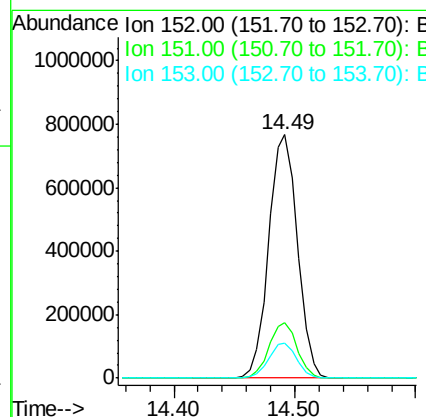
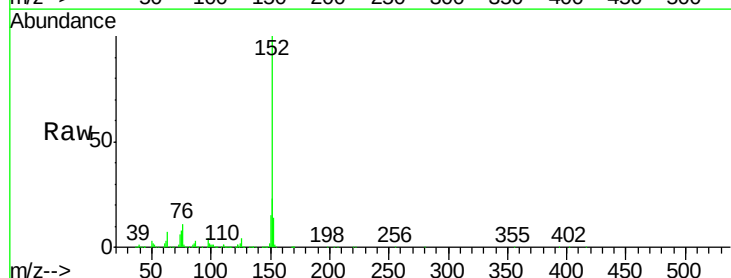
Instrument :  
BNA\_G  
ClientSampleId :

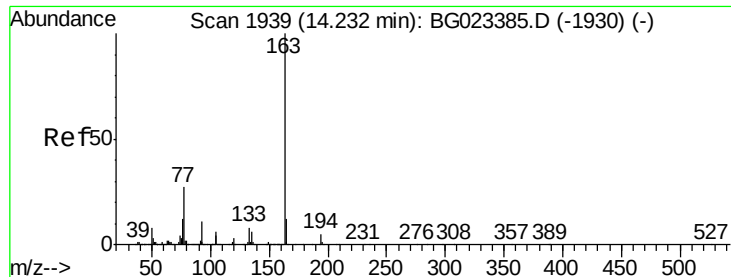
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 69.2  | 49.4  | 74.0  |
| 138     | 84.7  | 58.0  | 87.0  |



#48  
Acenaphthylene  
Concen: 40.47 ng  
RT: 14.49 min Scan# 1984  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.7  | 17.6  | 26.4  |
| 153     | 14.3  | 11.4  | 17.2  |





#49

Dimethylphthalate

Concen: 40.23 ng

RT: 14.22 min Scan# 1937

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

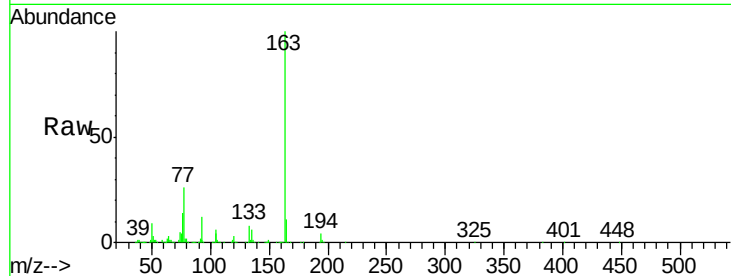
Tot Ion:163 Resp: 1035306

Ion Ratio Lower Upper

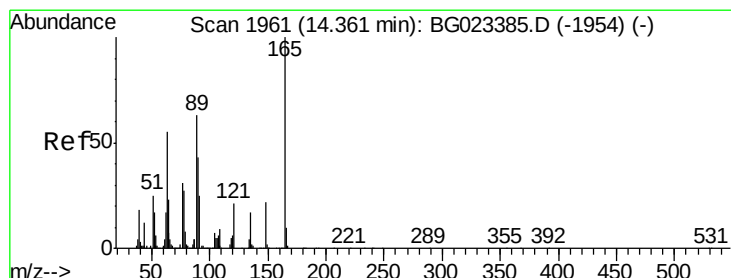
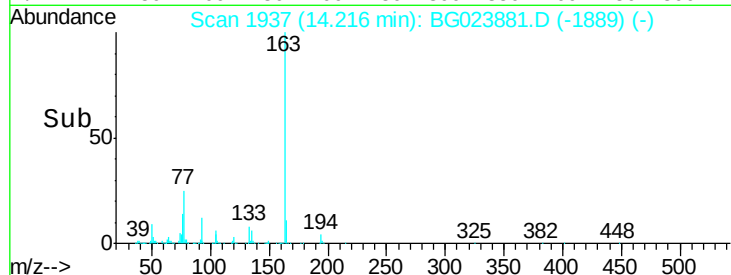
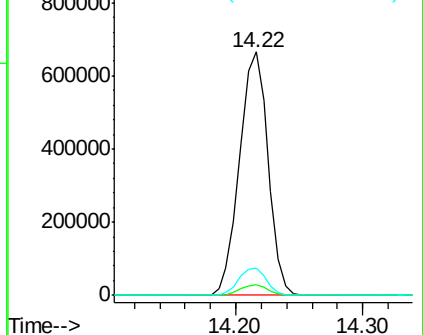
163 100

194 4.2 3.6 5.4

164 11.0 8.1 12.1



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



#50

2,6-Dinitrotoluene

Concen: 37.90 ng

RT: 14.35 min Scan# 1959

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

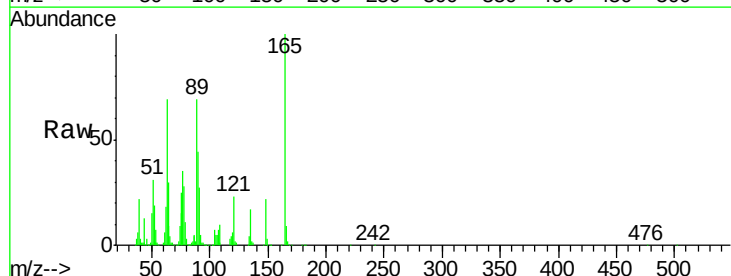
Tgt Ion:165 Resp: 230990

Ion Ratio Lower Upper

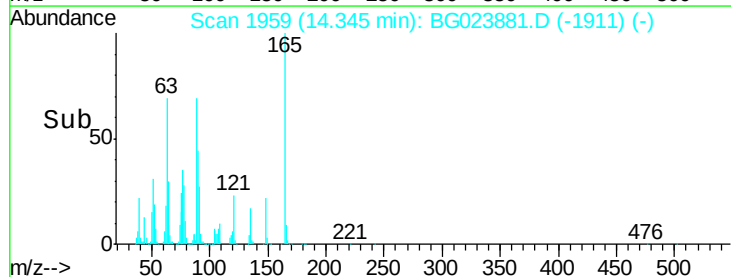
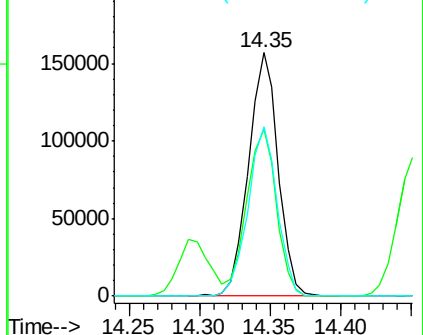
165 100

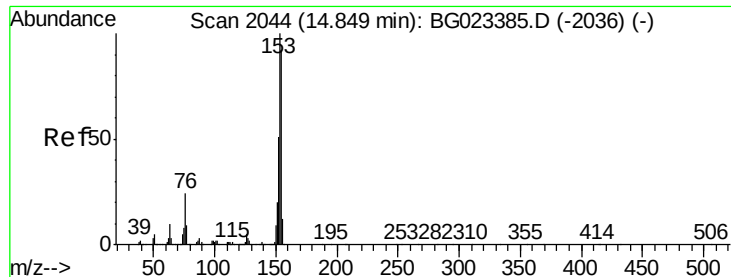
63 68.5 64.3 96.5

89 69.4 64.3 96.5



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





#51

Acenaphthene

Concen: 39.96 ng

RT: 14.83 min Scan# 2042

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

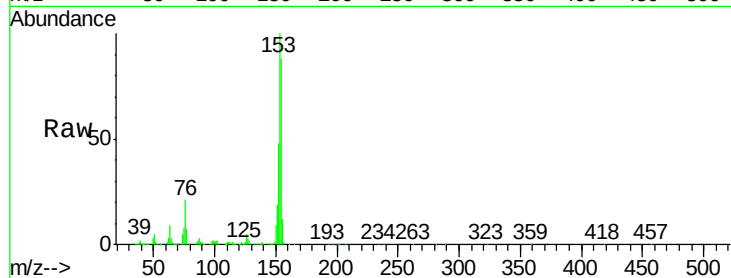
Tot Ion:154 Resp: 793886

Ion Ratio Lower Upper

154 100

153 113.6 87.5 131.3

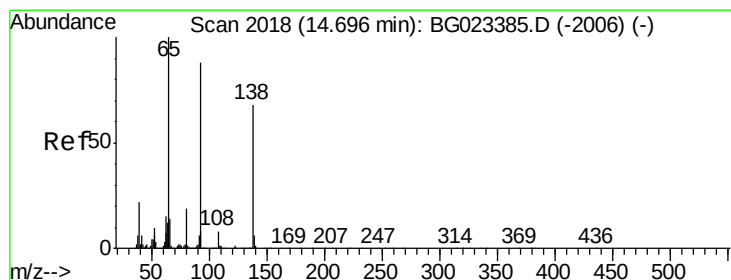
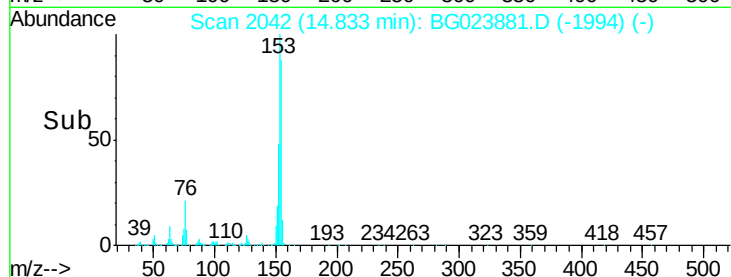
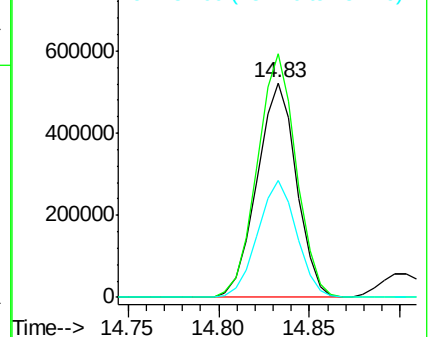
152 54.6 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 33.85 ng

RT: 14.68 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

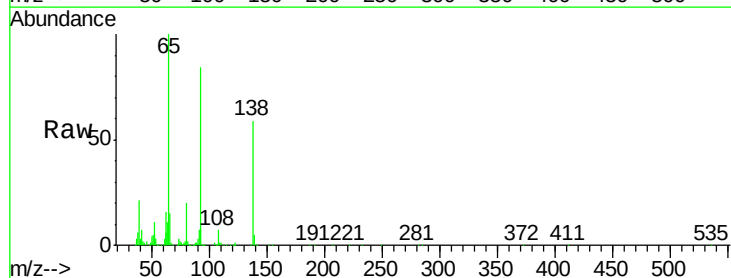
Tgt Ion:138 Resp: 232657

Ion Ratio Lower Upper

138 100

108 11.9 11.7 17.5

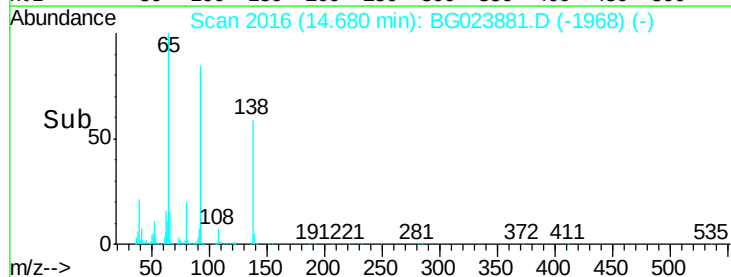
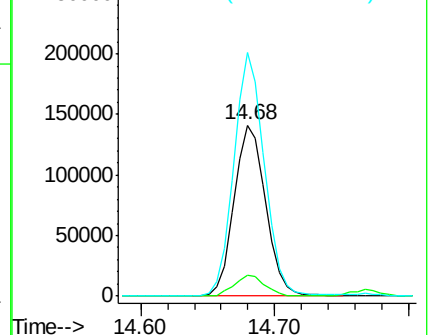
92 142.6 129.7 194.5

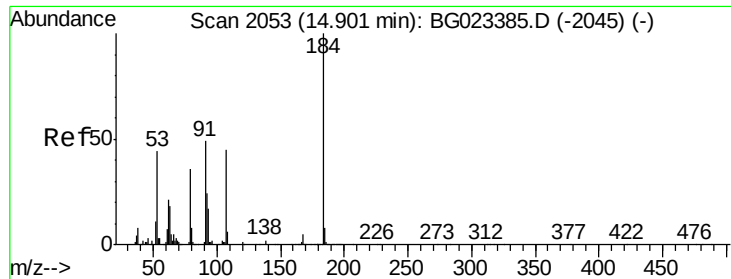


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BG

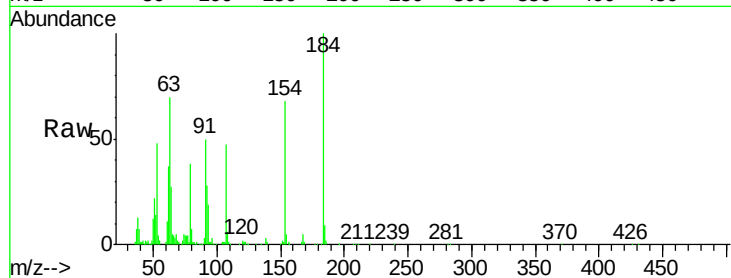




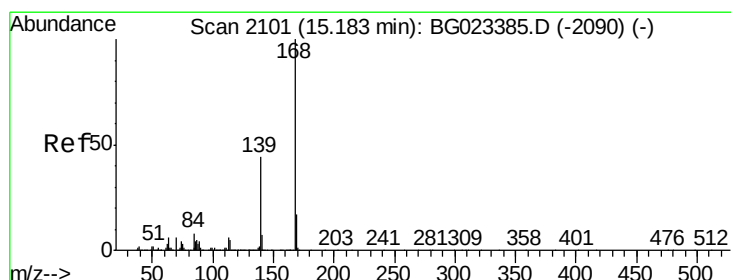
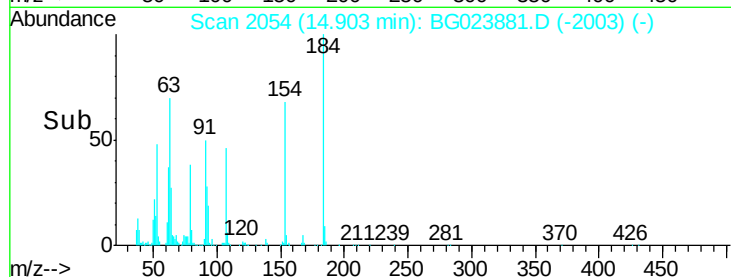
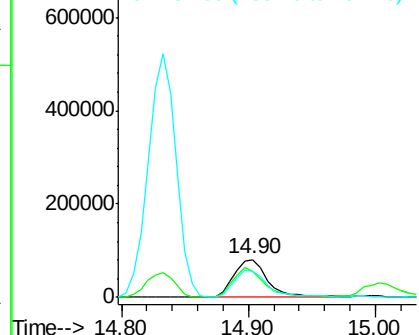
#53  
2,4-Dinitrophenol  
Concen: 38.44 ng  
RT: 14.90 min Scan# 2054  
Delta R.T. 0.00 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:184 Resp: 150194  
Ion Ratio Lower Upper  
184 100  
63 69.9 59.6 89.4  
154 68.4 67.4 101.0

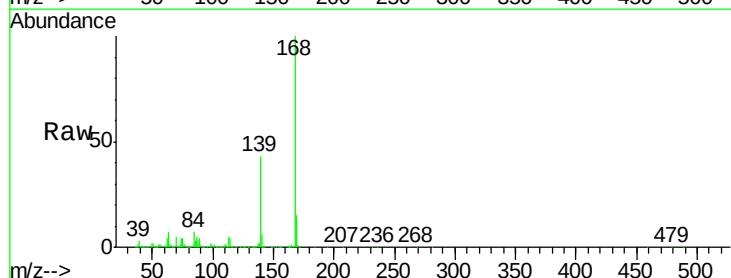


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 154.00 (153.70 to 154.70): E

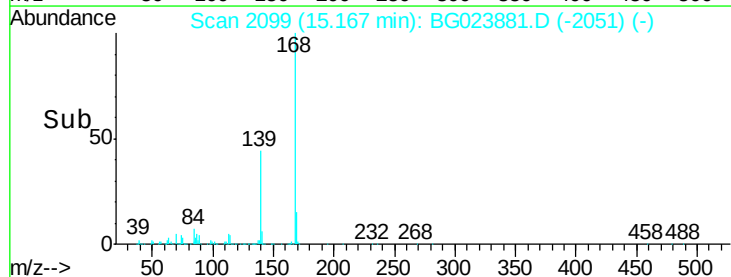
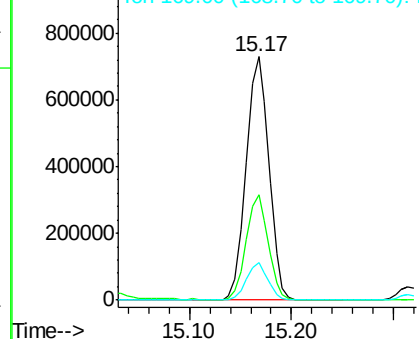


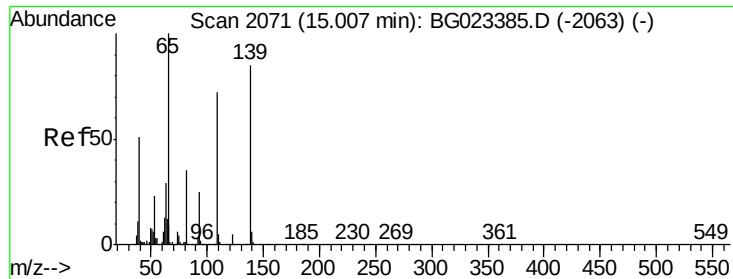
#54  
Dibenzofuran  
Concen: 39.33 ng  
RT: 15.17 min Scan# 2099  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Tgt Ion:168 Resp: 1134237  
Ion Ratio Lower Upper  
168 100  
139 43.4 36.4 54.6  
169 15.4 11.9 17.9



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 30.25 ng

RT: 15.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

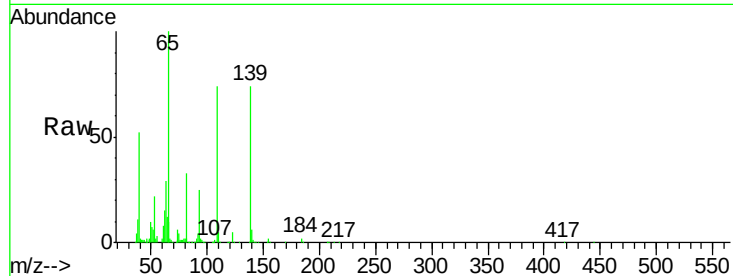
Tot Ion:139 Resp: 163281

Ion Ratio Lower Upper

139 100

109 100.1 103.0 143.0#

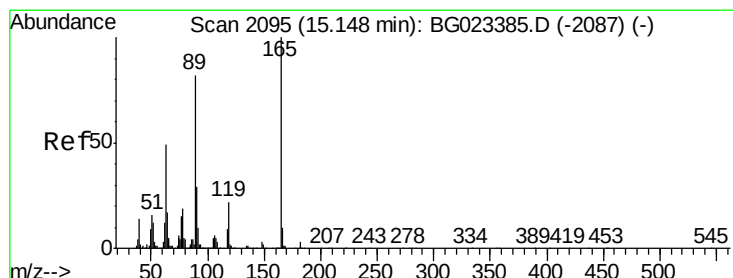
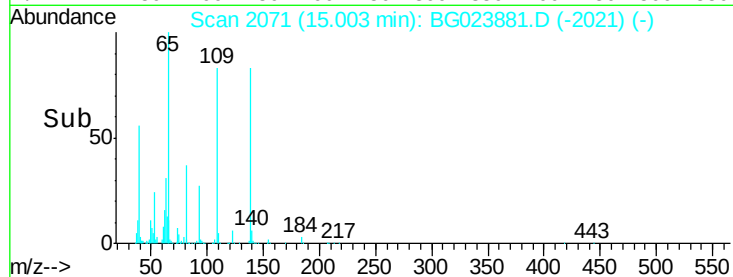
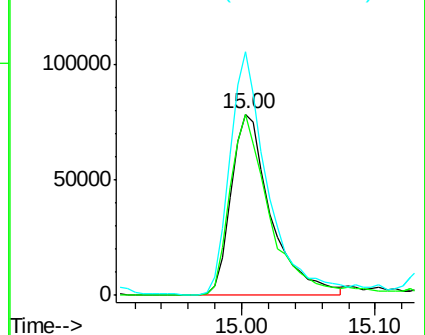
65 134.6 112.7 152.7



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#56

2,4-Dinitrotoluene

Concen: 38.44 ng

RT: 15.14 min Scan# 2094

Delta R.T. -0.01 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Tgt Ion:165 Resp: 328784

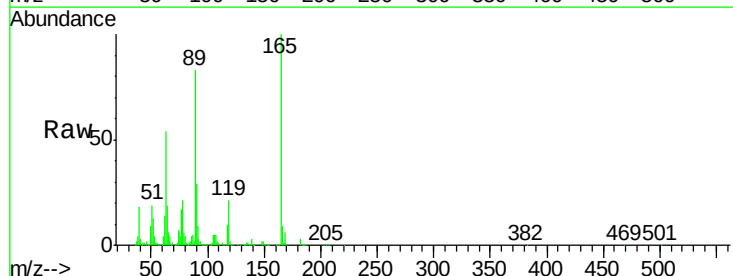
Ion Ratio Lower Upper

165 100

63 54.2 45.8 68.6

89 82.9 68.6 102.8

182 2.8 2.0 3.0

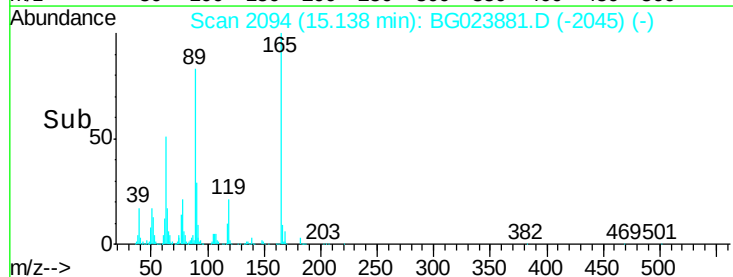
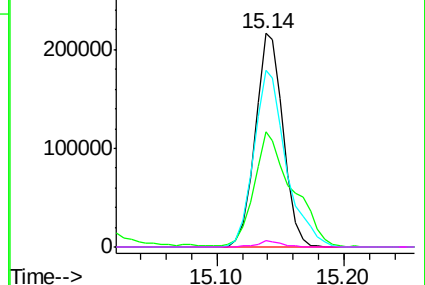


Abundance Ion 165.00 (164.70 to 165.70): E

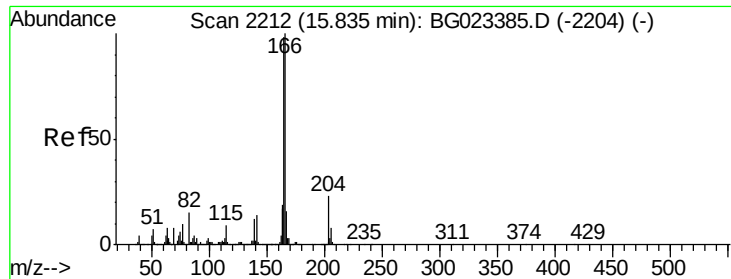
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E







#57

Fluorene

Concen: 38.99 ng

RT: 15.82 min Scan# 2210

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

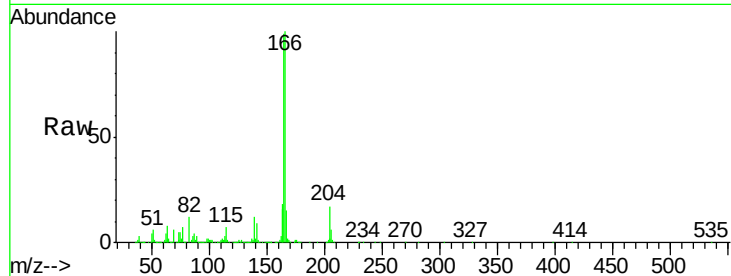
Tot Ion:166 Resp: 981345

Ion Ratio Lower Upper

166 100

165 99.0 81.0 121.6

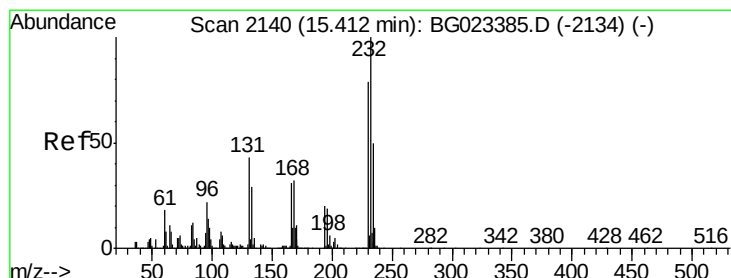
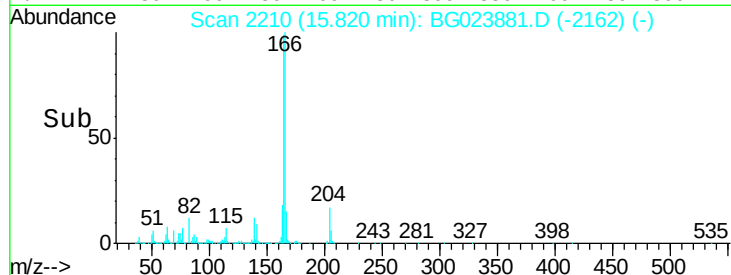
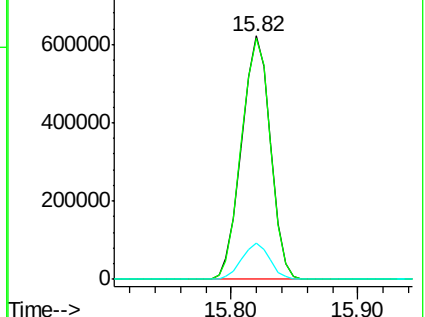
167 15.1 12.0 18.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 36.29 ng

RT: 15.40 min Scan# 2139

Delta R.T. -0.01 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Tgt Ion:232 Resp: 248426

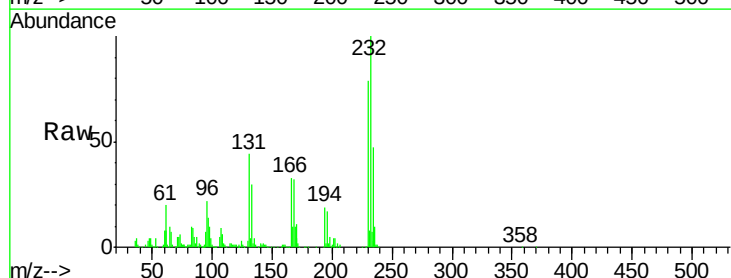
Ion Ratio Lower Upper

232 100

131 45.1 32.7 49.1

130 2.6 2.6 3.8

166 32.3 23.0 34.6

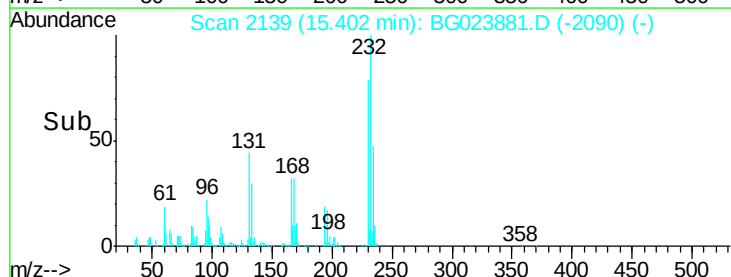
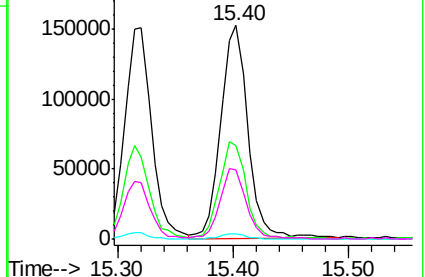


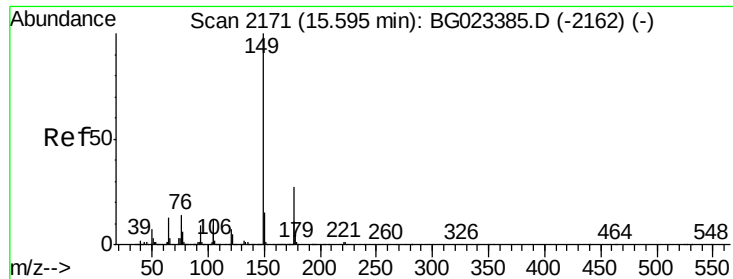
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 39.94 ng

RT: 15.57 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampled :

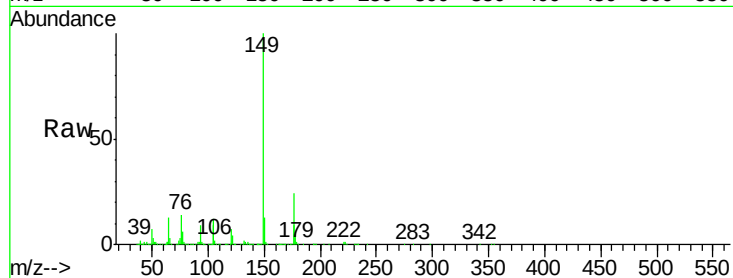
Tot Ion:149 Resp: 1043549

Ion Ratio Lower Upper

149 100

177 24.3 19.2 28.8

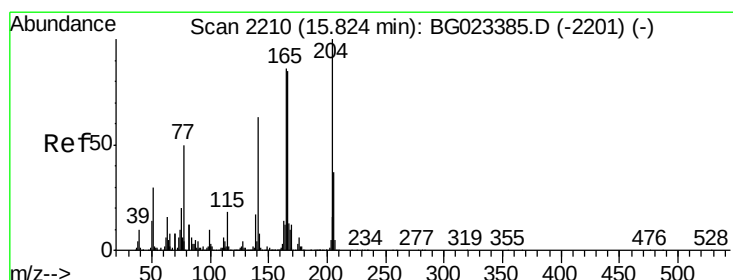
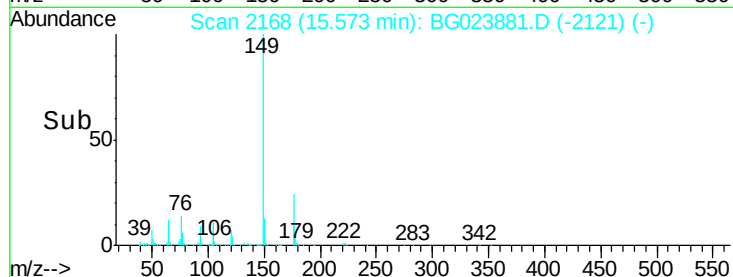
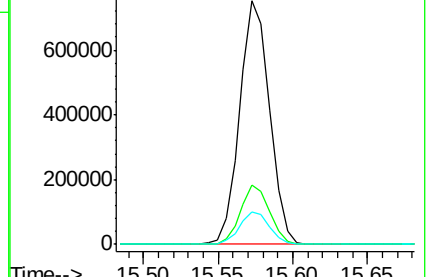
150 13.4 10.6 16.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 38.38 ng

RT: 15.80 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

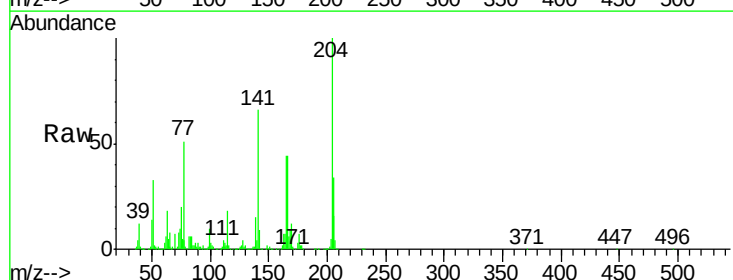
Tgt Ion:204 Resp: 511200

Ion Ratio Lower Upper

204 100

206 34.0 28.5 42.7

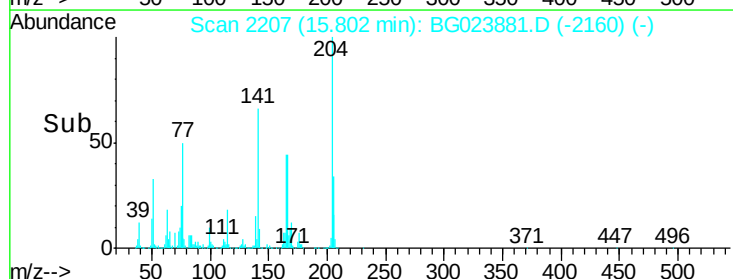
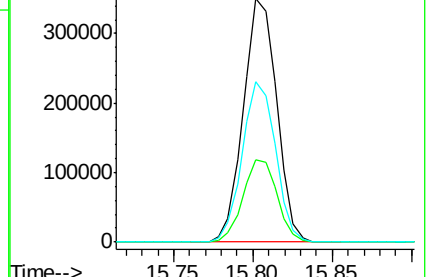
141 66.1 51.4 77.0

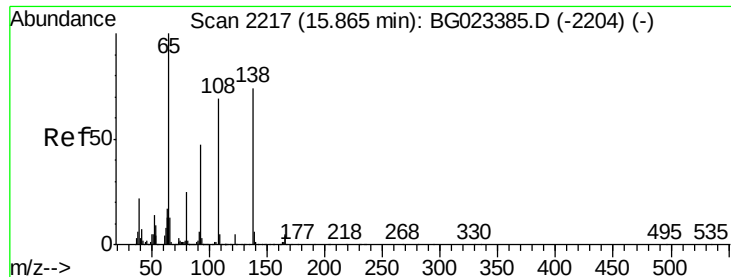


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

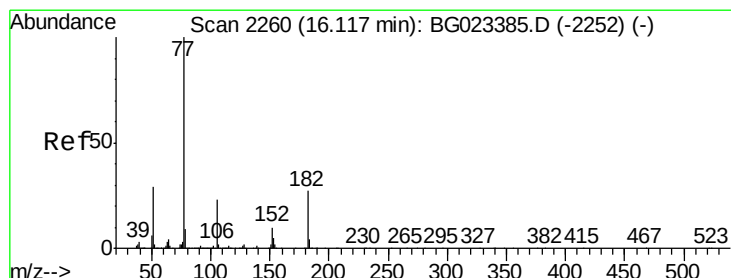
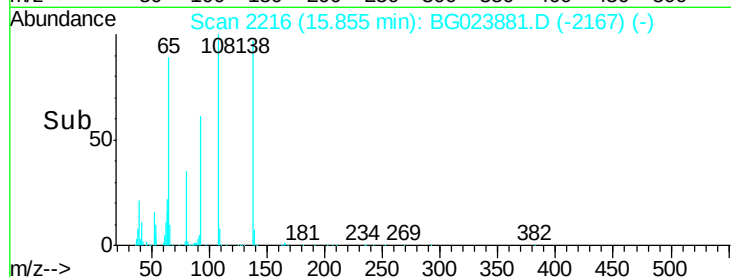
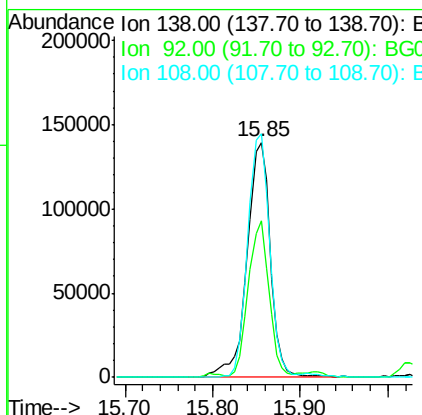
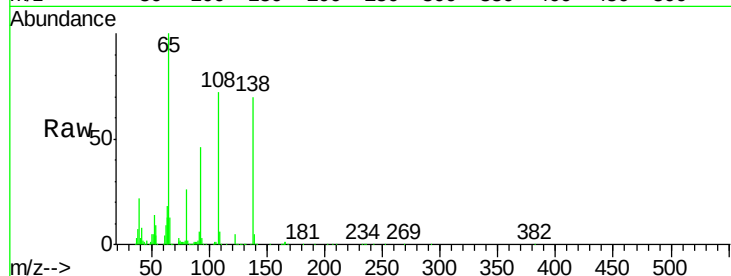




#61  
4-Nitroaniline  
Concen: 34.29 ng  
RT: 15.85 min Scan# 2216  
Delta R.T. -0.01 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

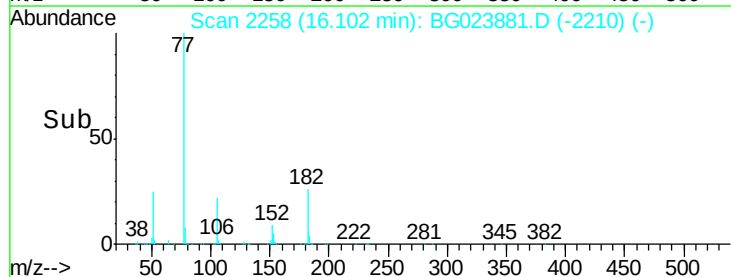
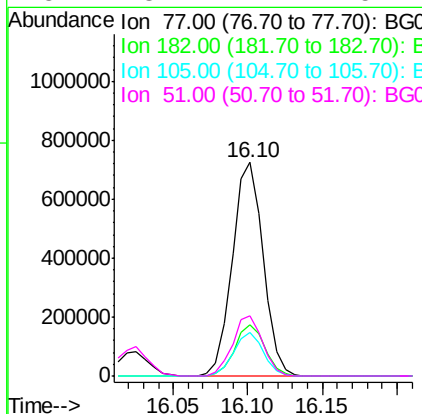
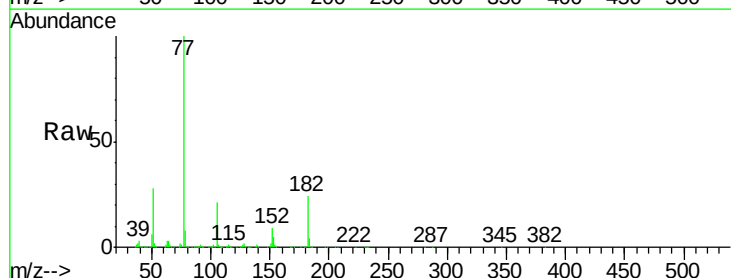
Instrument :  
BNA\_G  
ClientSampleId :

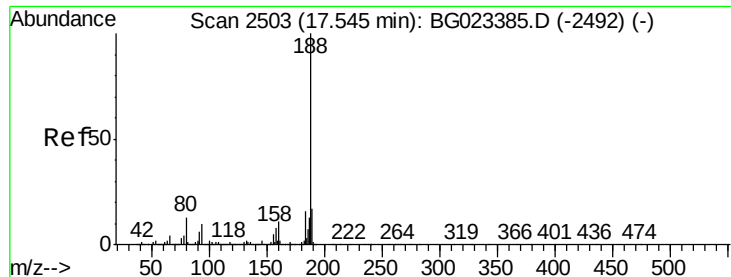
Tot Ion:138 Resp: 250868  
Ion Ratio Lower Upper  
138 100  
92 66.6 54.1 94.1  
108 103.6 133.9 173.9#



#62  
Azobenzene  
Concen: 39.43 ng  
RT: 16.10 min Scan# 2258  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Tgt Ion: 77 Resp: 1044145  
Ion Ratio Lower Upper  
77 100  
182 24.2 3.5 43.5  
105 20.5 0.0 38.5  
51 28.1 17.1 57.1

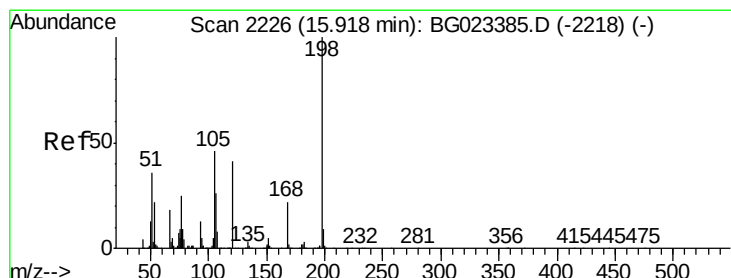
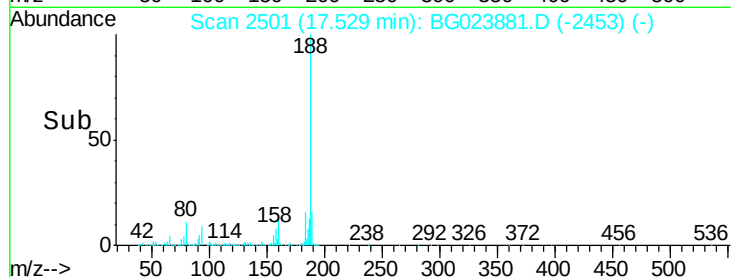
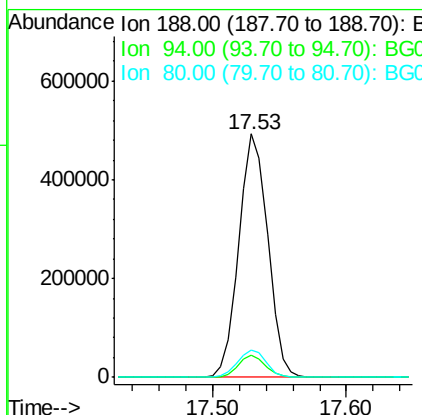
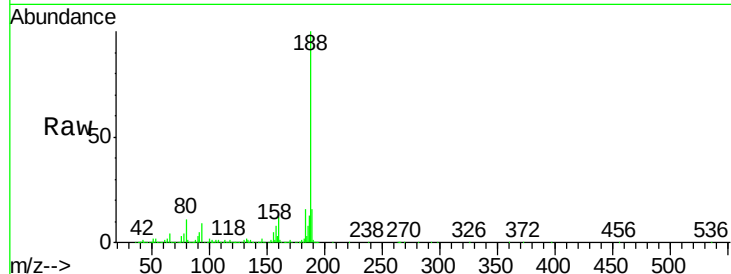




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.53 min Scan# 2501  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

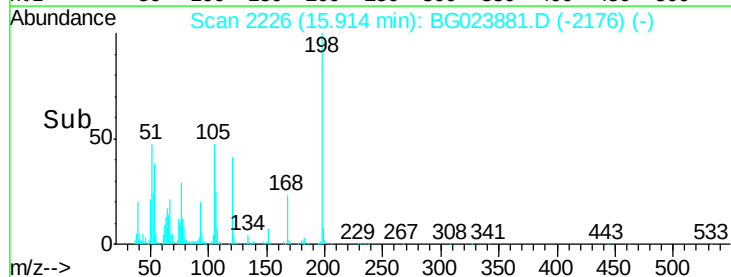
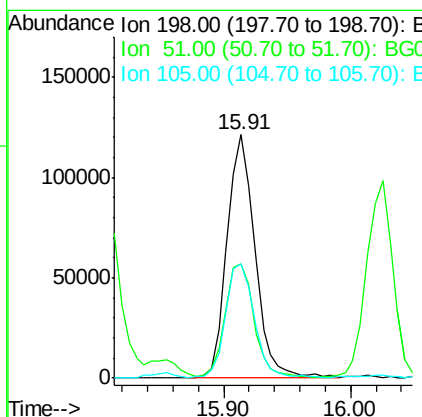
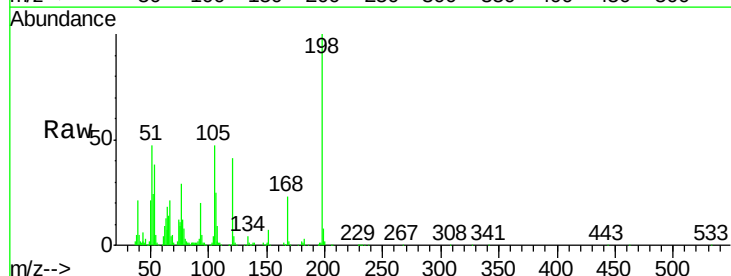
Instrument :  
BNA\_G  
ClientSampleId :

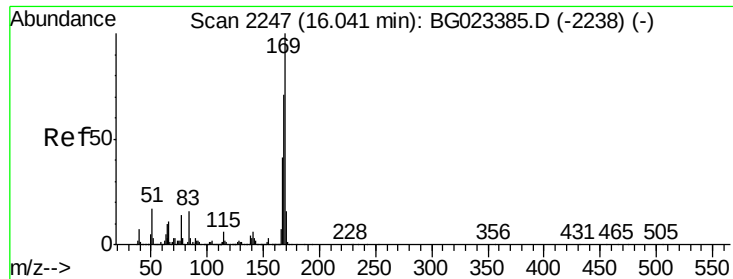
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.3   | 5.2   | 7.8#  |
| 80      | 11.0  | 7.2   | 10.8# |



#64  
4,6-Dinitro-2-methylphenol  
Concen: 37.03 ng  
RT: 15.91 min Scan# 2226  
Delta R.T. -0.00 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 47.0  | 26.0  | 66.0  |
| 105     | 47.1  | 20.1  | 60.1  |





#65

n-Nitrosodiphenylamine

Concen: 40.54 ng

RT: 16.03 min Scan# 2245

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

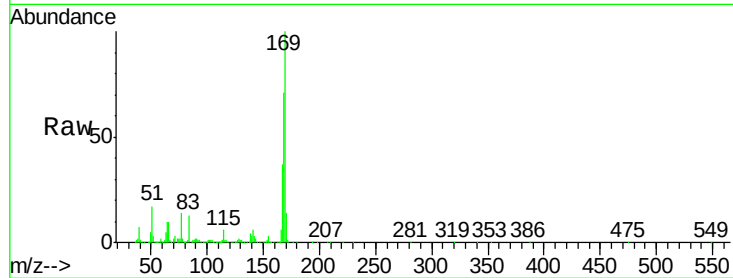
Tot Ion:169 Resp: 876966

Ion Ratio Lower Upper

169 100

168 70.8 55.0 82.4

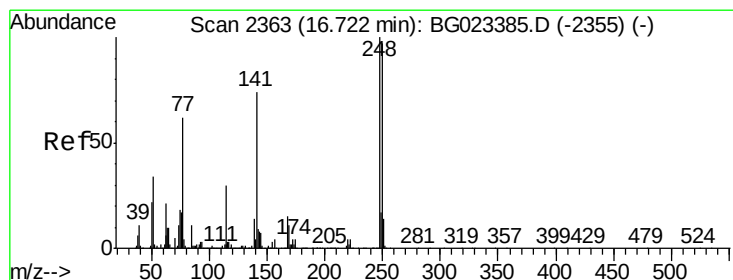
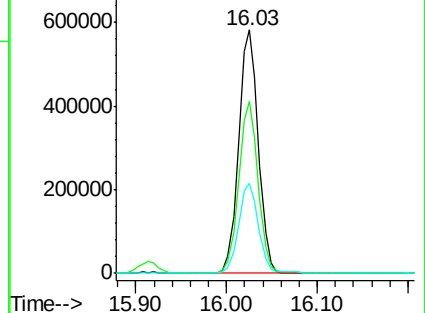
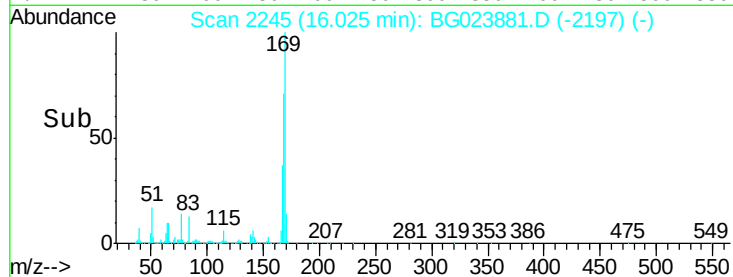
167 36.9 27.4 41.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 40.42 ng

RT: 16.71 min Scan# 2361

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

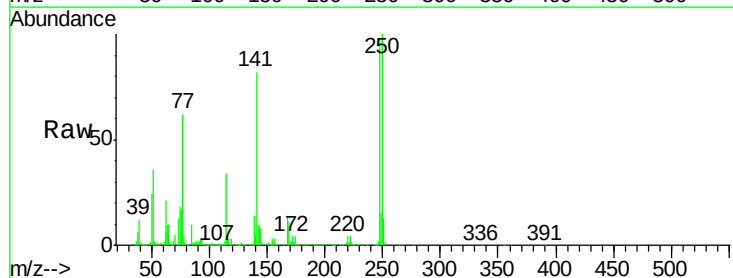
Tgt Ion:248 Resp: 347434

Ion Ratio Lower Upper

248 100

250 101.6 77.8 116.8

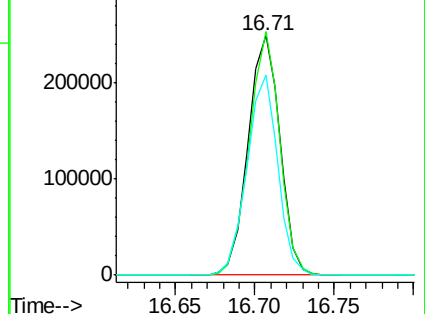
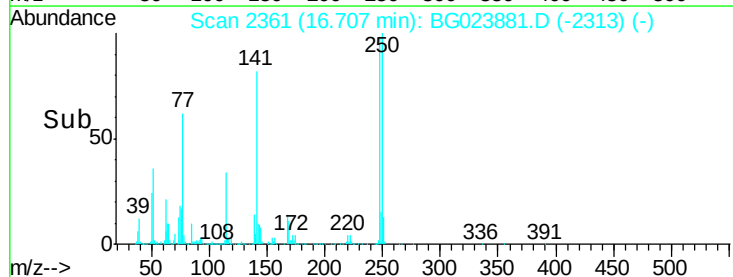
141 83.4 65.7 98.5

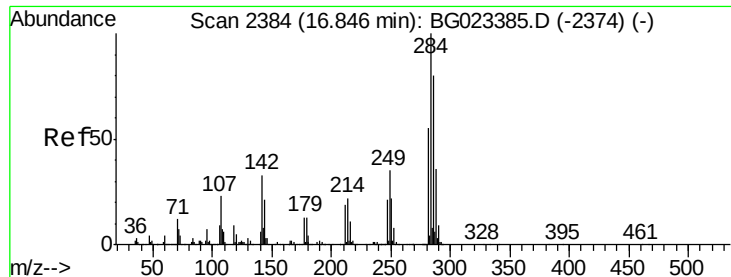


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 38.72 ng

RT: 16.83 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

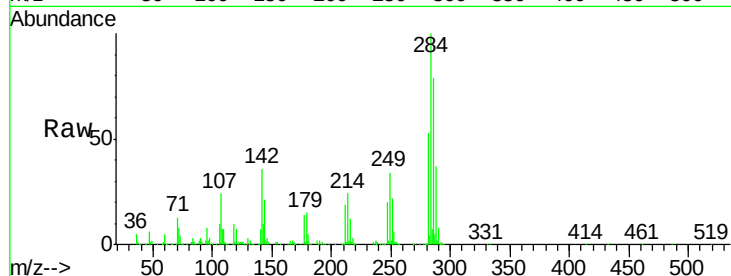
Tot Ion:284 Resp: 364129

Ion Ratio Lower Upper

284 100

142 35.8 26.8 40.2

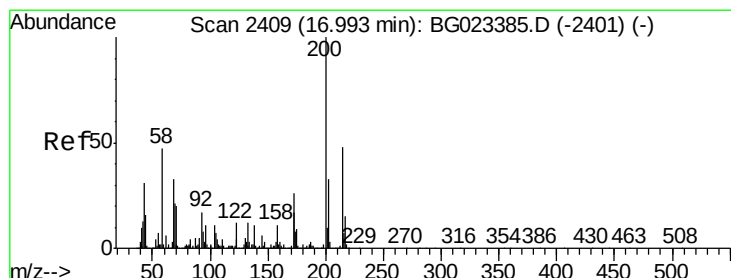
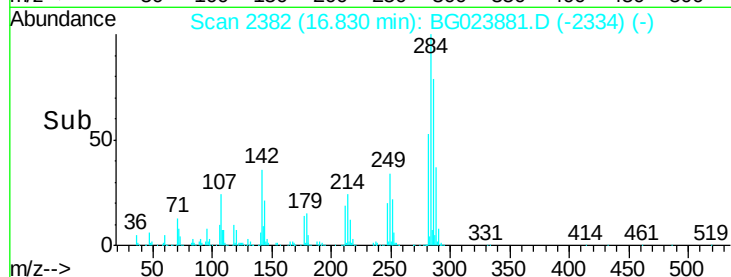
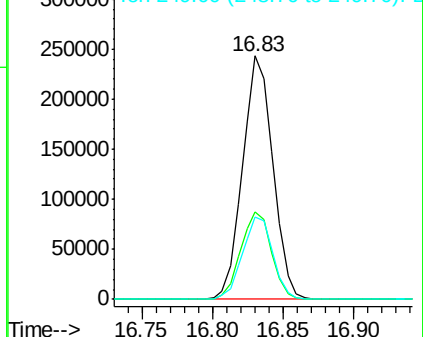
249 33.7 28.9 43.3



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: 41.07 ng

RT: 16.97 min Scan# 2406

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

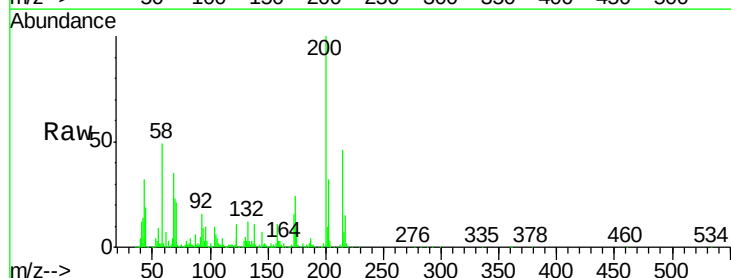
Tgt Ion:200 Resp: 341118

Ion Ratio Lower Upper

200 100

173 24.3 1.6 41.6

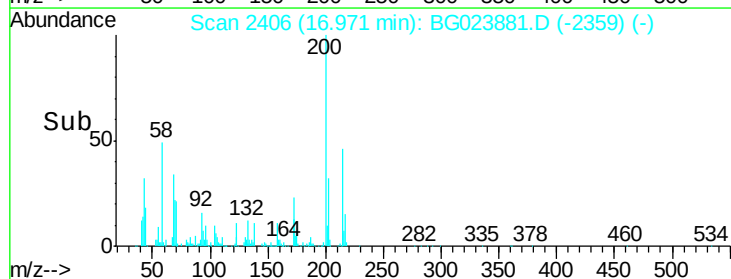
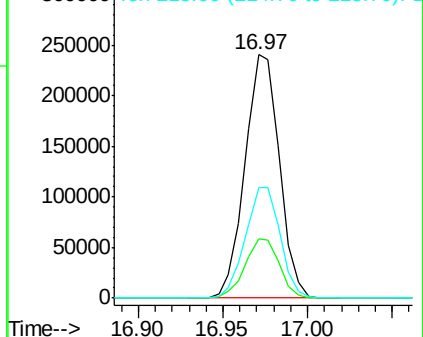
215 45.6 28.7 68.7

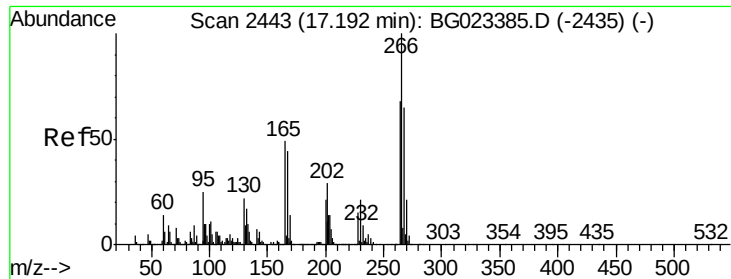


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

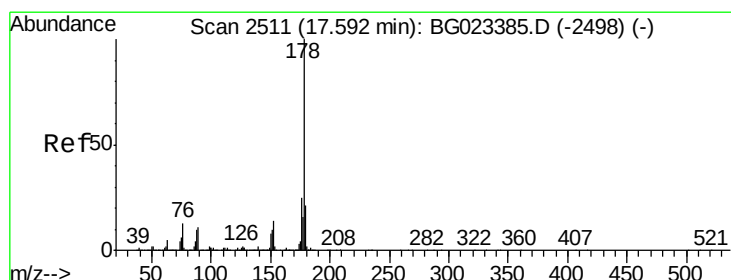
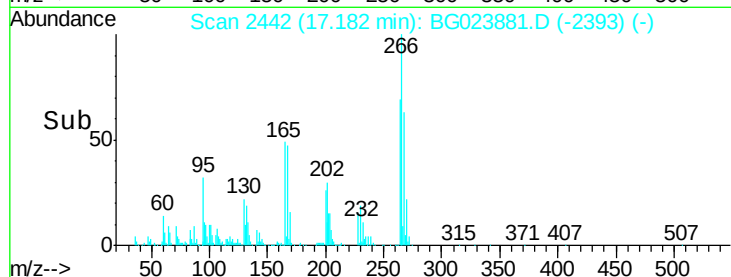
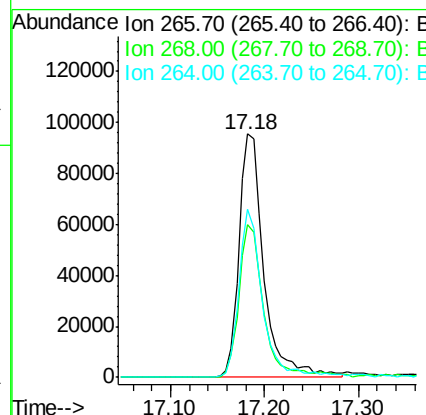
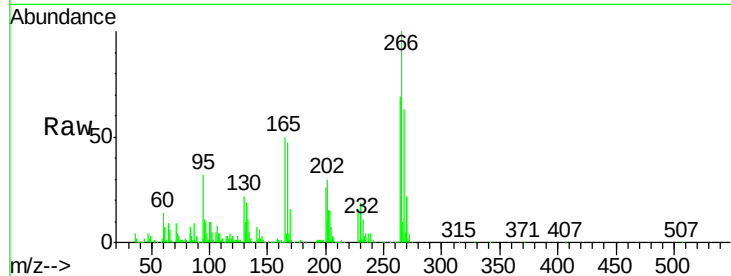




#69  
 Pentachlorophenol  
 Concen: 32.06 ng  
 RT: 17.18 min Scan# 2442  
 Delta R.T. -0.01 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

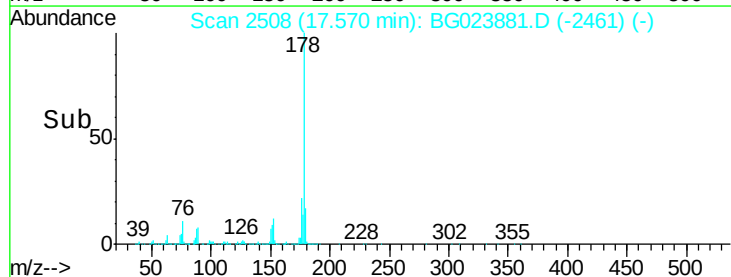
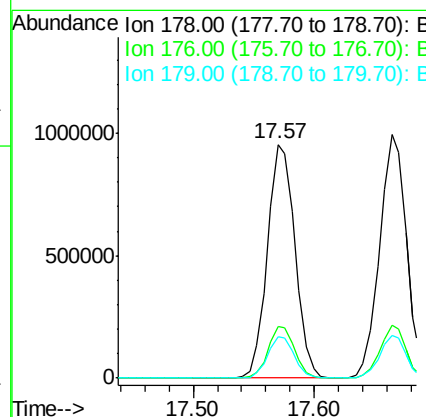
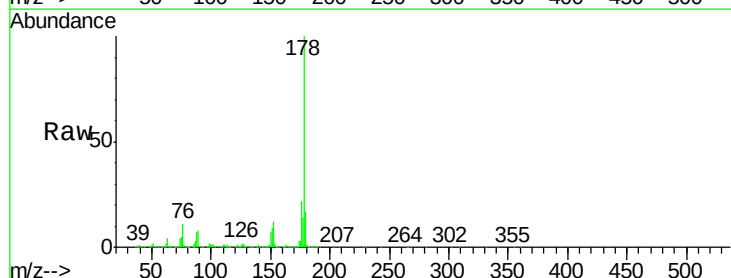
Instrument :  
 BNA\_G  
 ClientSampleId :

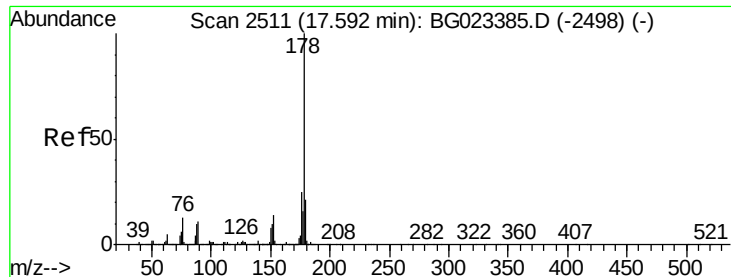
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 62.8  | 51.9  | 77.9  |
| 264     | 69.2  | 50.6  | 75.8  |



#70  
 Phenanthrene  
 Concen: 40.51 ng  
 RT: 17.57 min Scan# 2508  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 22.2  | 16.8  | 25.2  |
| 179     | 17.5  | 14.3  | 21.5  |





#71

Anthracene

Concen: 40.86 ng

RT: 17.66 min Scan# 2524

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

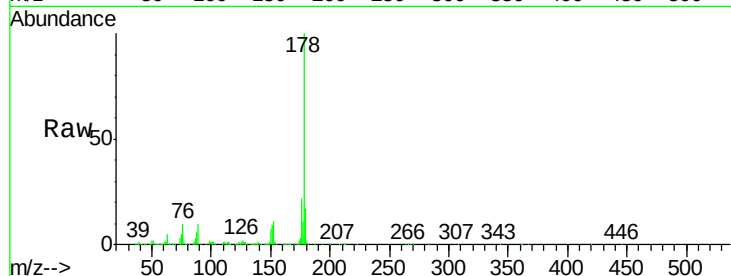
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:178 Resp: 1538114

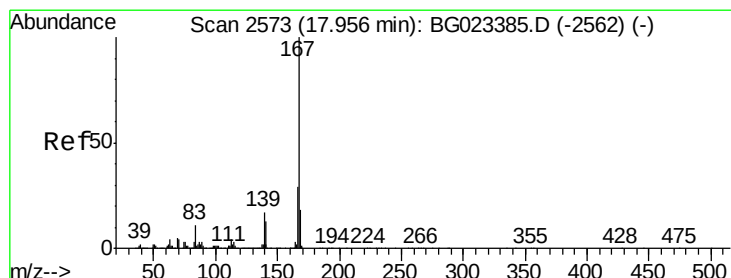
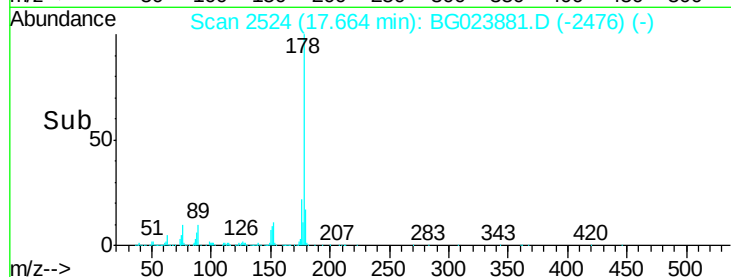
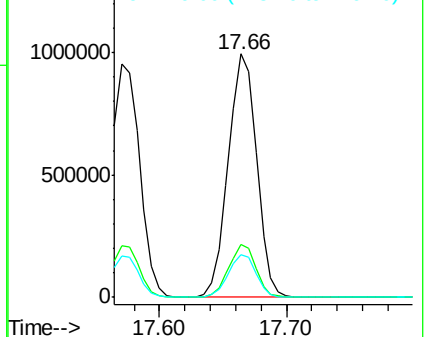
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 21.6  | 17.3  | 25.9  |
| 179 | 17.4  | 14.0  | 21.0  |



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 42.09 ng

RT: 17.94 min Scan# 2571

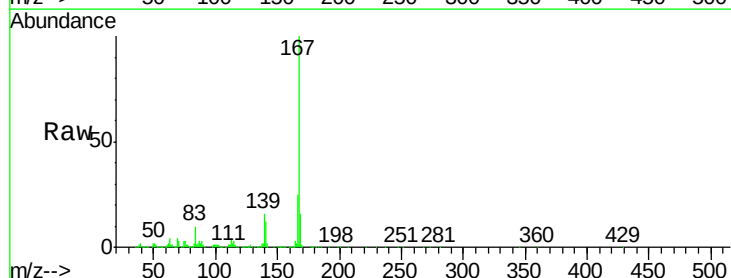
Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Tgt Ion:167 Resp: 1391328

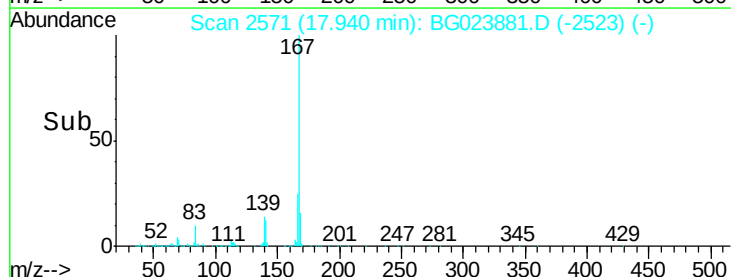
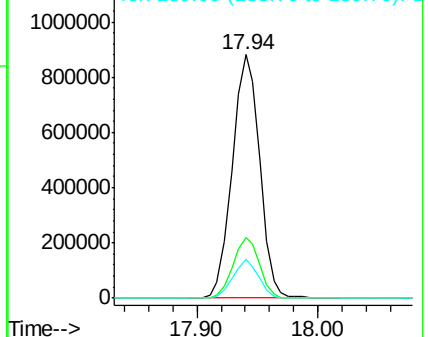
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 24.9  | 20.7  | 31.1  |
| 139 | 15.8  | 11.9  | 17.9  |



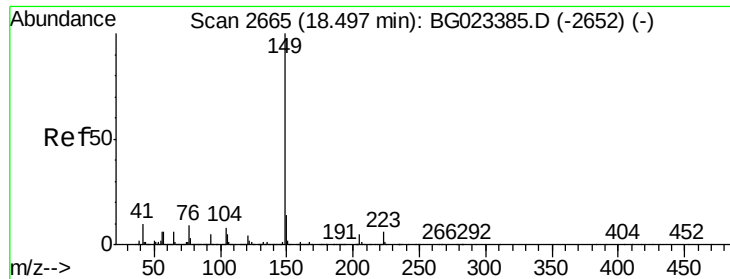
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E







#73

Di-n-butylphthalate

Concen: 52.75 ng

RT: 18.47 min Scan# 2662

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

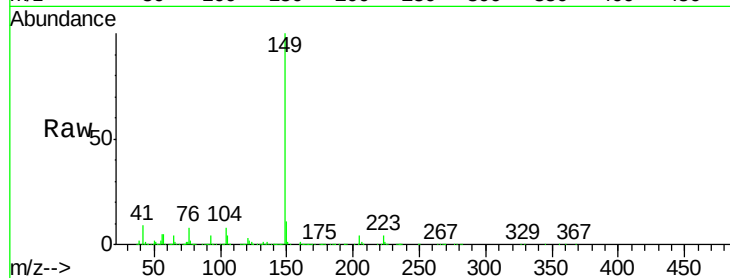
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:149 Resp: 1723767

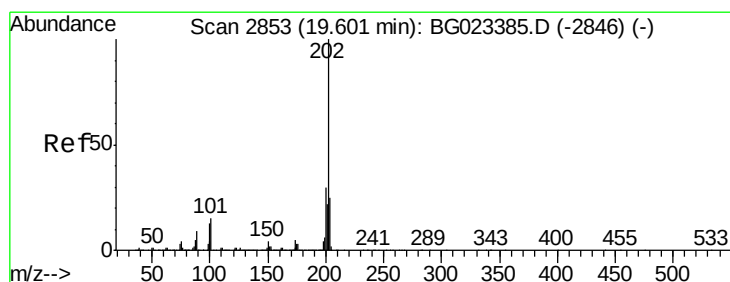
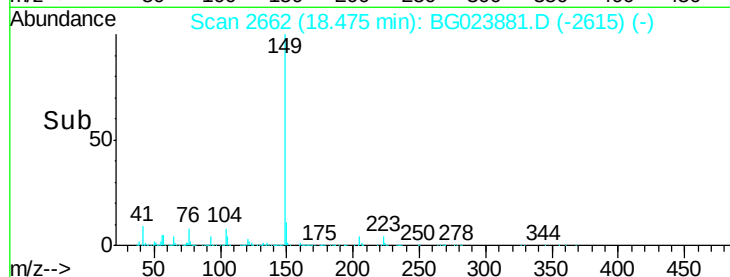
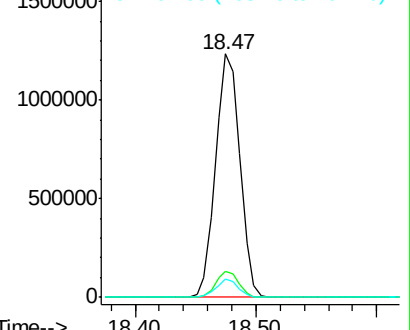
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 10.5  | 9.1   | 13.7  |
| 104 | 7.5   | 6.9   | 10.3  |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 51.87 ng

RT: 19.59 min Scan# 2851

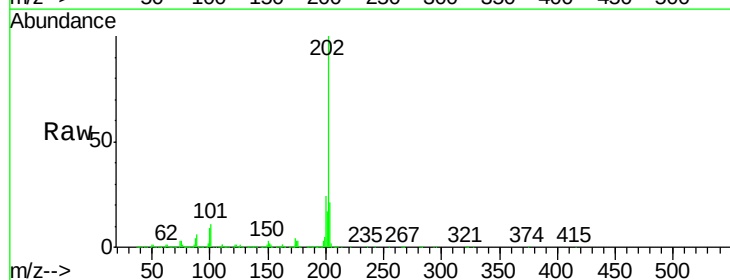
Delta R.T. -0.01 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Tgt Ion:202 Resp: 1779192

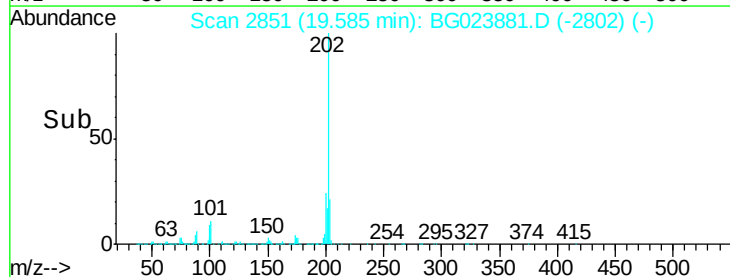
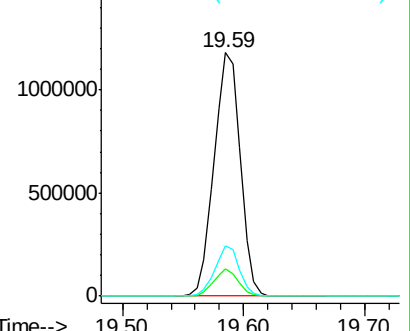
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 11.1  | 0.0   | 27.4  |
| 203 | 20.9  | 1.7   | 41.7  |

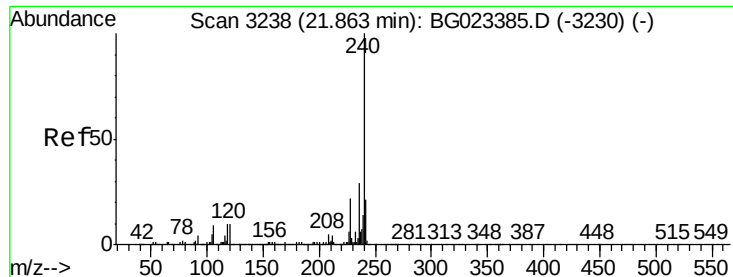


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3236

Delta R.T. -0.02 min

Lab File: BG023881.D

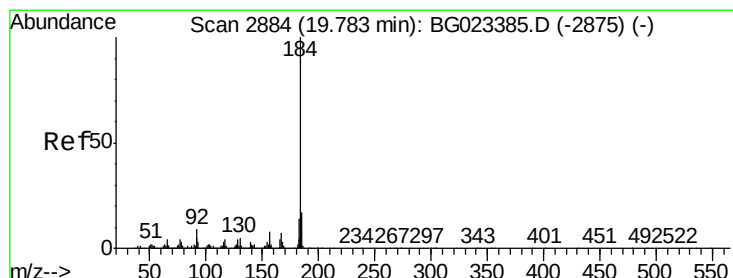
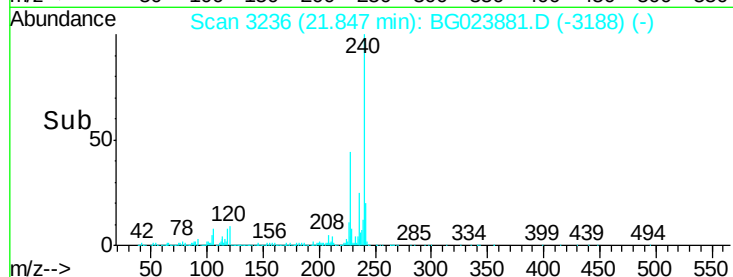
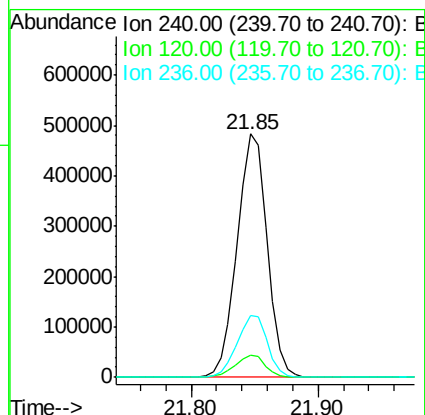
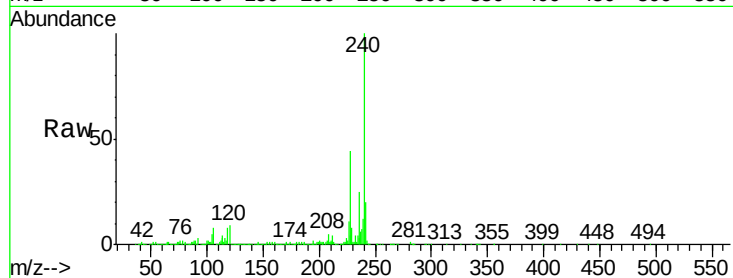
Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:240 | Resp: | 788398 |
| Ion Ratio   | Lower | Upper  |
| 240 100     |       |        |
| 120 9.0     | 4.1   | 6.1#   |
| 236 25.2    | 21.1  | 31.7   |



#76

Benzidine

Concen: 44.92 ng

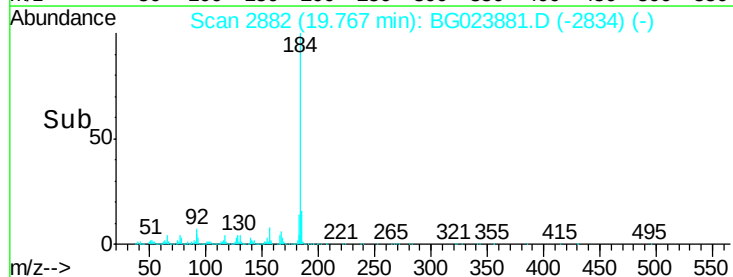
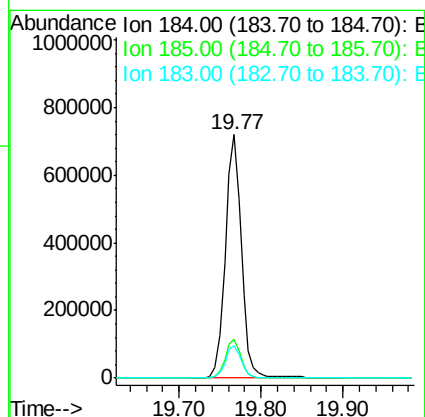
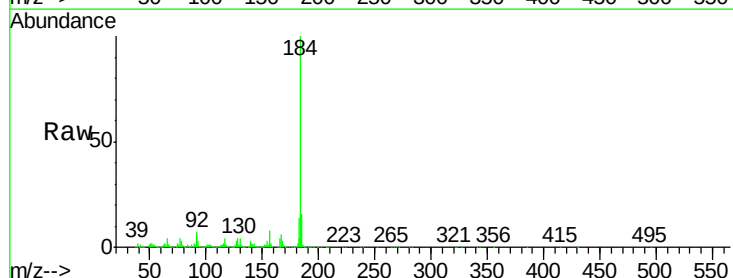
RT: 19.77 min Scan# 2882

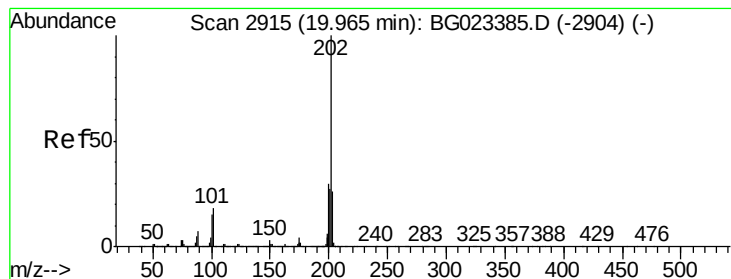
Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:184 | Resp: | 984477 |
| Ion Ratio   | Lower | Upper  |
| 184 100     |       |        |
| 185 15.9    | 12.6  | 19.0   |
| 183 13.6    | 10.7  | 16.1   |





#77

Pvrene

Concen: 38.95 ng

RT: 19.95 min Scan# 2913

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

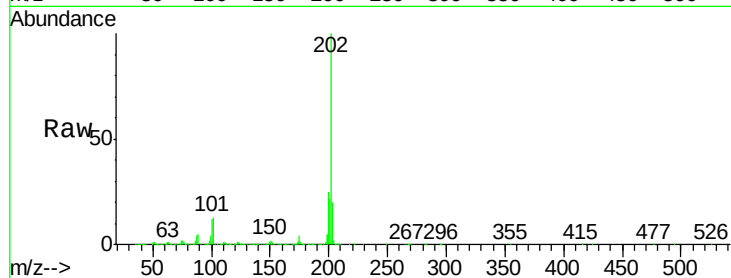
Tot Ion:202 Resp: 1791916

Ion Ratio Lower Upper

202 100

200 25.0 21.2 31.8

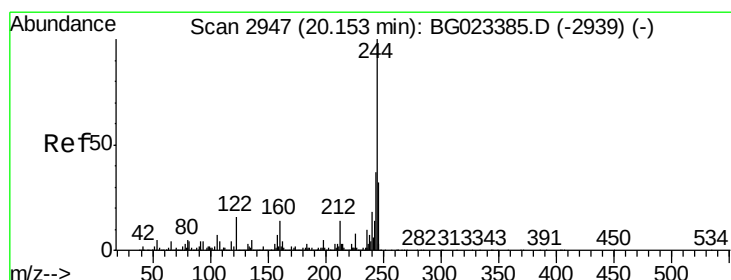
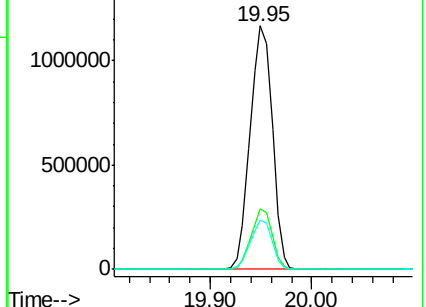
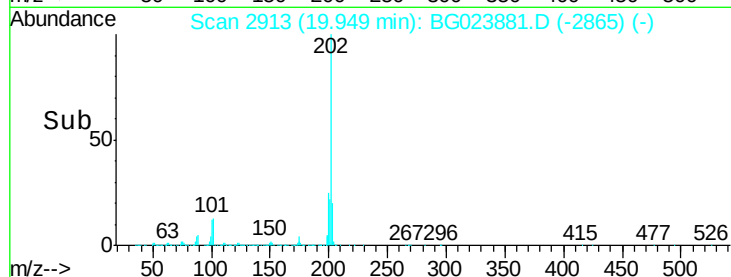
203 20.3 16.8 25.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 87.43 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

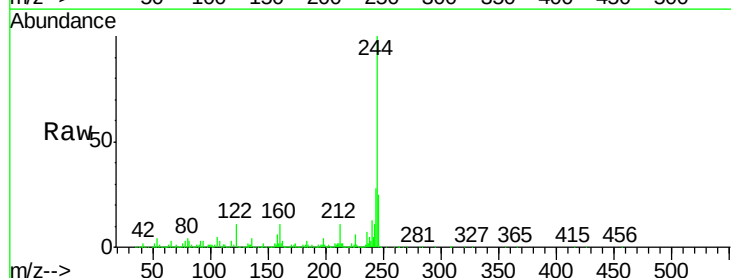
Tgt Ion:244 Resp: 2188822

Ion Ratio Lower Upper

244 100

212 11.4 10.8 16.2

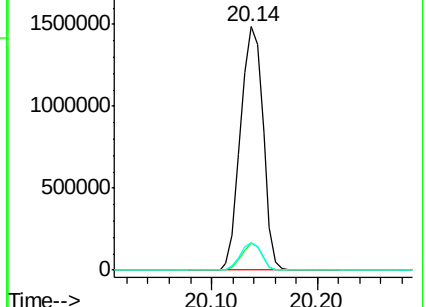
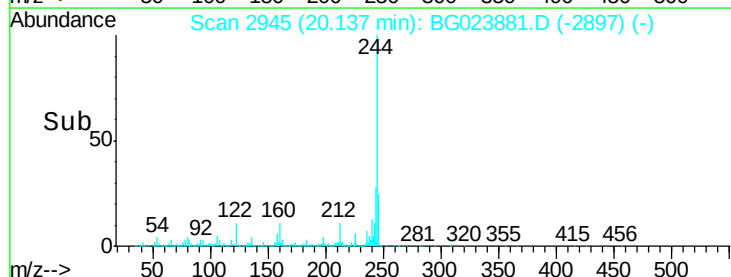
122 11.2 8.0 12.0

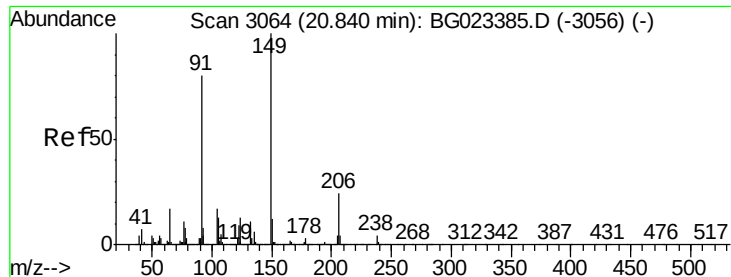


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

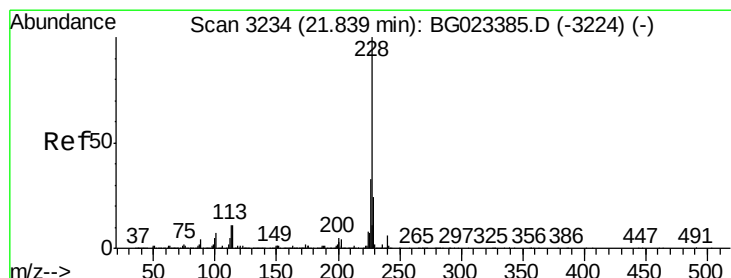
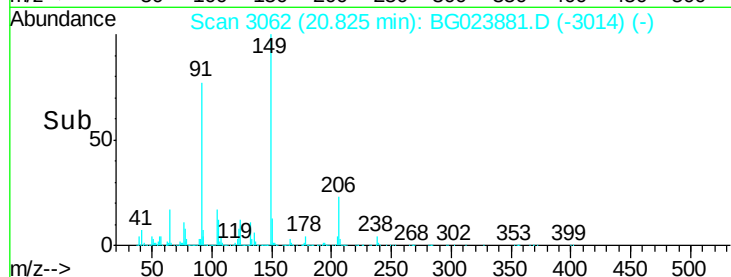
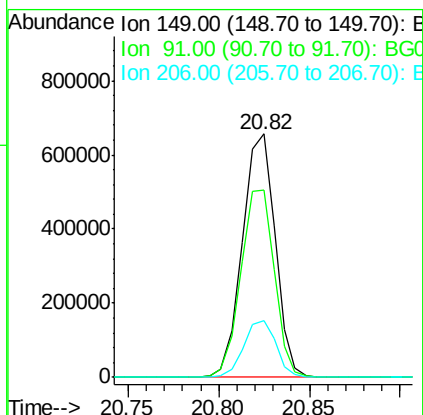
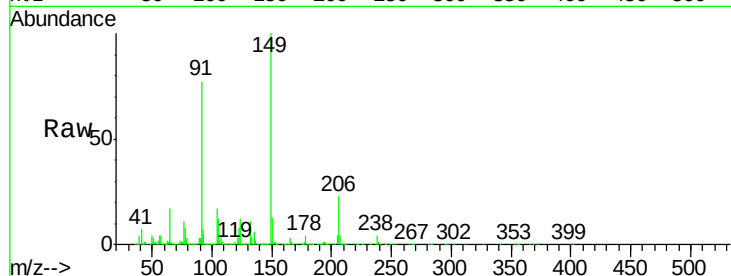




#79  
Butylbenzylphthalate  
Concen: 43.71 ng  
RT: 20.82 min Scan# 3062  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

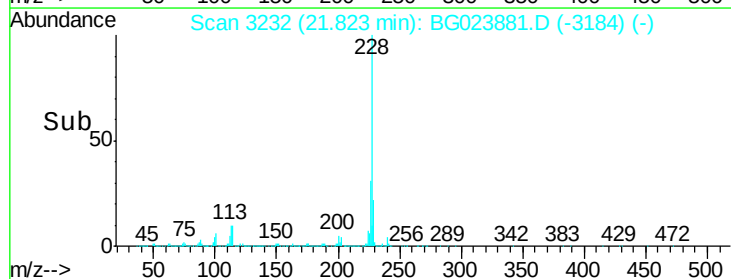
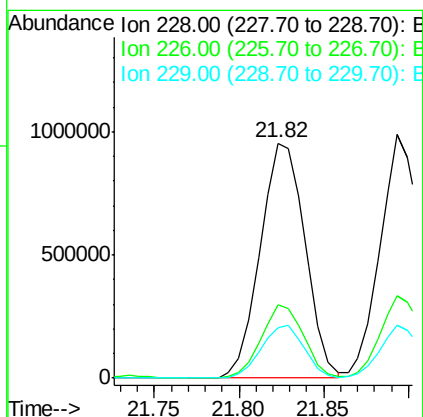
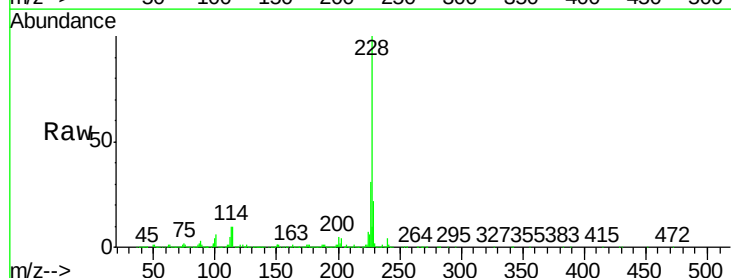
Instrument :  
BNA\_G  
ClientSampled :

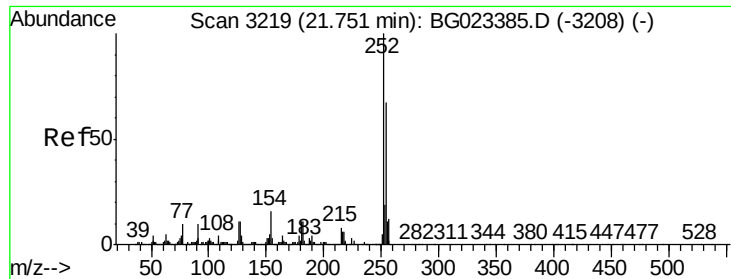
Tot Ion:149 Resp: 829782  
Ion Ratio Lower Upper  
149 100  
91 76.7 68.1 102.1  
206 23.4 19.8 29.6



#80  
Benzo(a)anthracene  
Concen: 40.12 ng  
RT: 21.82 min Scan# 3232  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Tgt Ion:228 Resp: 1745949  
Ion Ratio Lower Upper  
228 100  
226 31.4 25.3 37.9  
229 21.6 19.9 29.9

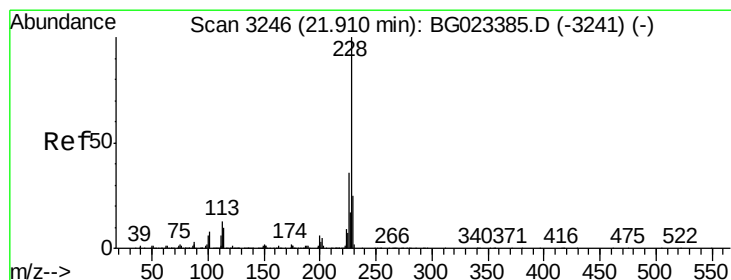
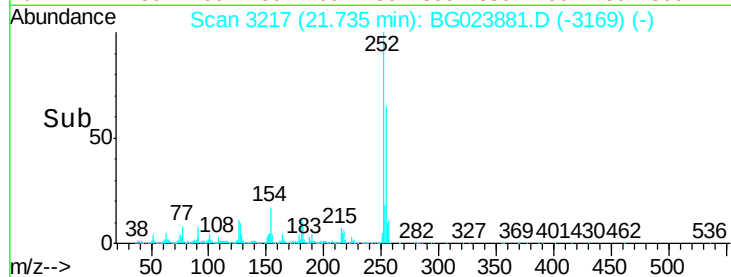
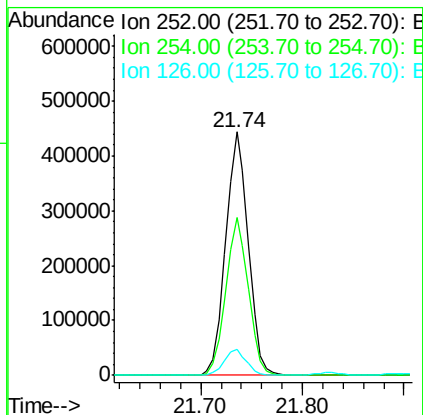
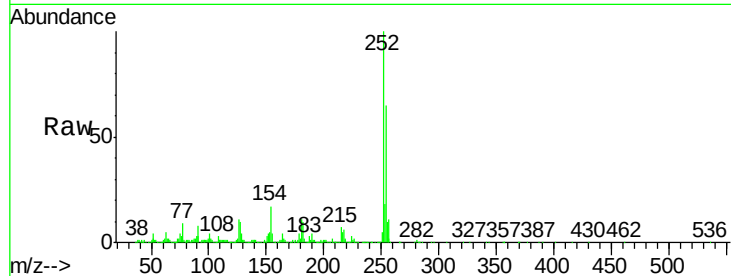




#81  
 3,3'-Dichlorobenzidine  
 Concen: 38.30 ng  
 RT: 21.74 min Scan# 3217  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

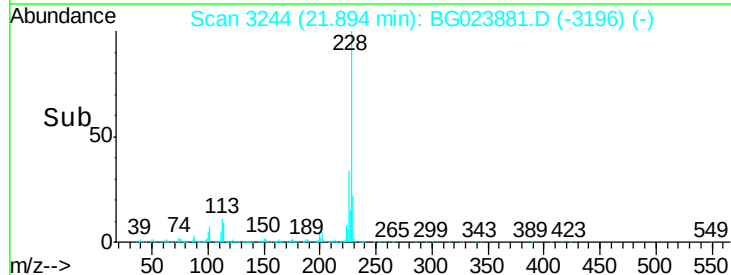
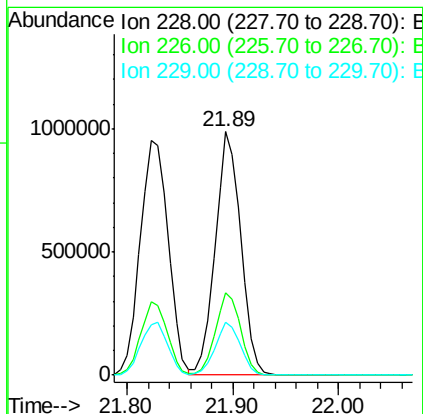
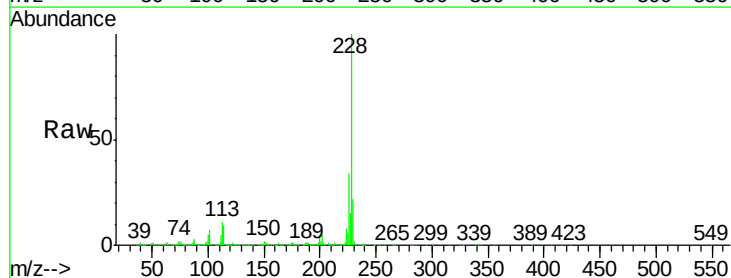
Instrument :  
 BNA\_G  
 ClientSampled :

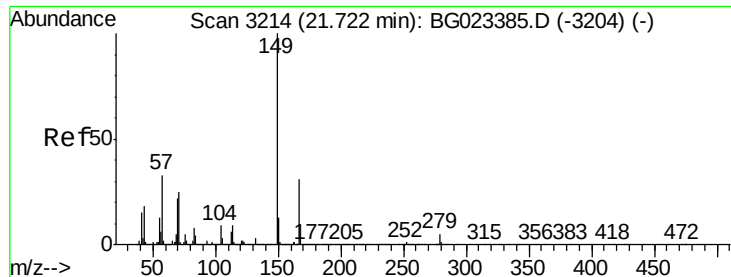
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.0  | 51.2  | 76.8  |
| 126     | 10.6  | 5.3   | 7.9#  |



#82  
 Chrysene  
 Concen: 40.19 ng  
 RT: 21.89 min Scan# 3244  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.9  | 26.7  | 40.1  |
| 229     | 21.9  | 17.4  | 26.2  |

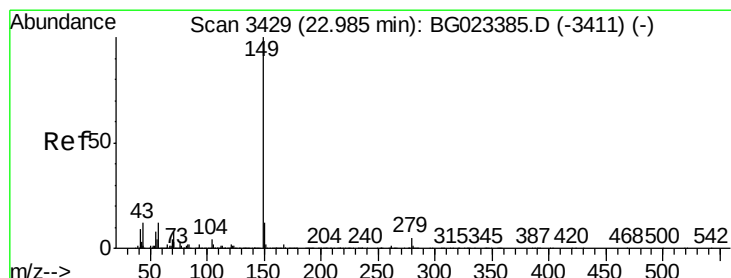
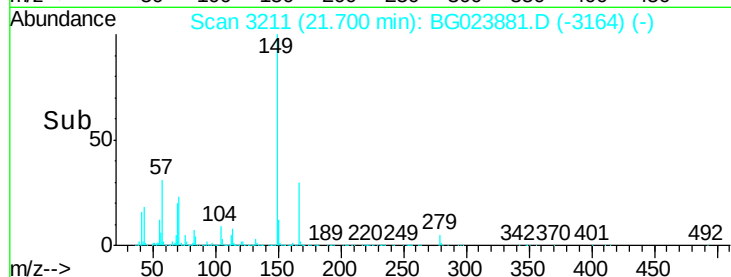
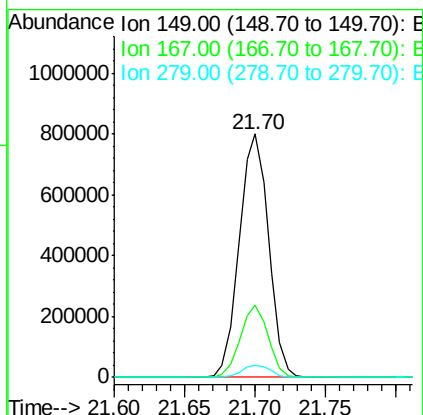
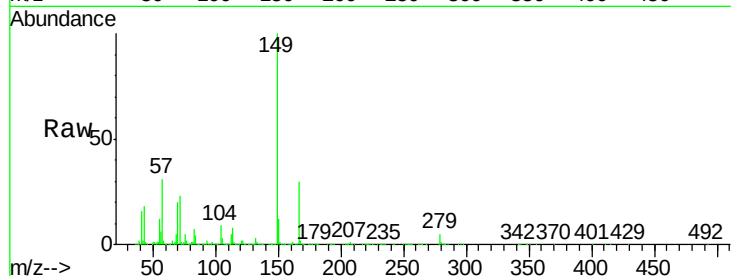




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 44.57 ng  
 RT: 21.70 min Scan# 3211  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

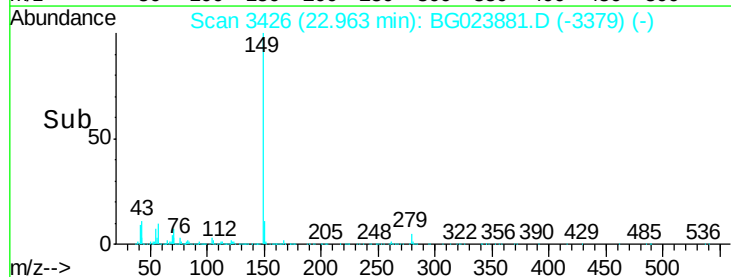
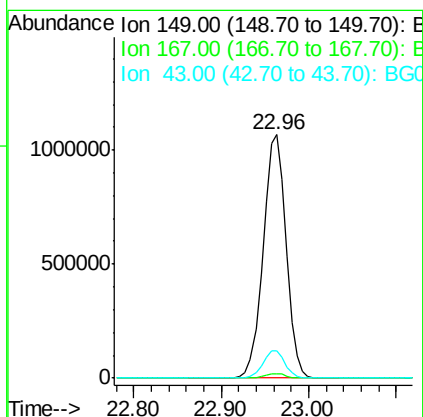
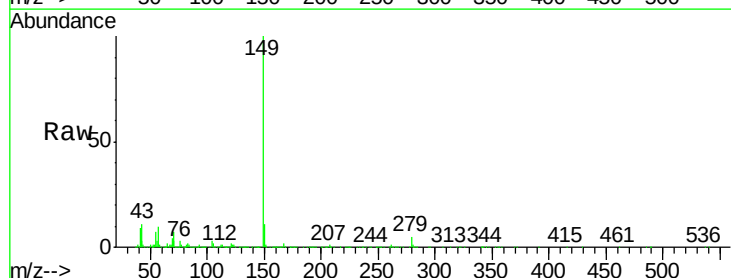
Instrument :  
 BNA\_G  
 ClientSampleId :

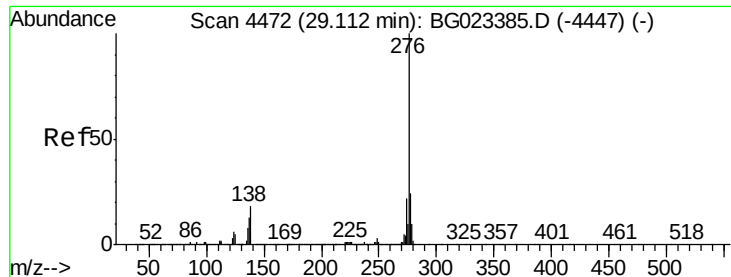
Tot Ion:149 Resp: 1158692  
 Ion Ratio Lower Upper  
 149 100  
 167 29.6 24.0 36.0  
 279 4.7 4.8 7.2#



#84  
 Di-n-octyl phthalate  
 Concen: 43.38 ng  
 RT: 22.96 min Scan# 3426  
 Delta R.T. -0.02 min  
 Lab File: BG023881.D  
 Acq: 24 Aug 2016 9:46

Tgt Ion:149 Resp: 1924963  
 Ion Ratio Lower Upper  
 149 100  
 167 1.8 1.5 2.3  
 43 10.8 8.8 13.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 39.45 ng

RT: 29.11 min Scan# 4473

Delta R.T. 0.00 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

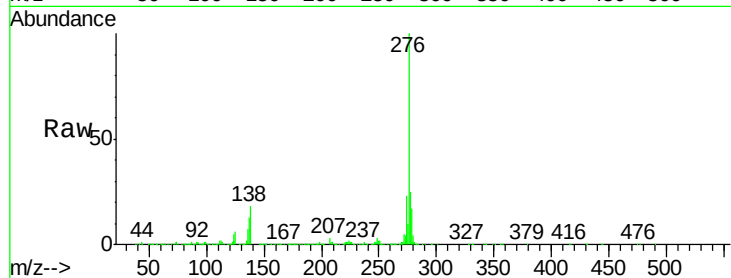
Tot Ion:276 Resp: 2041270

Ion Ratio Lower Upper

276 100

138 21.2 0.0 0.0#

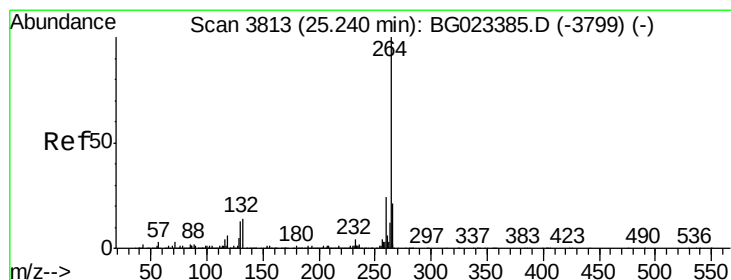
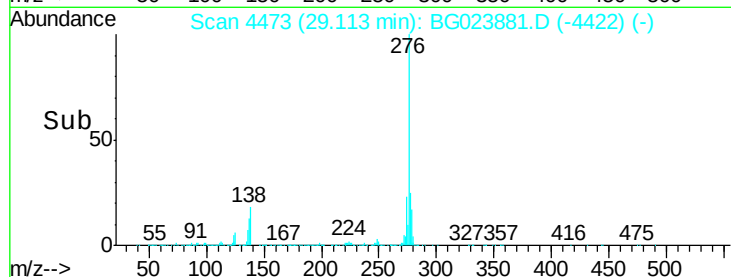
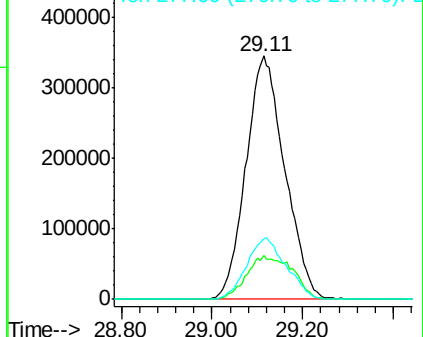
277 25.7 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.22 min Scan# 3811

Delta R.T. -0.02 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

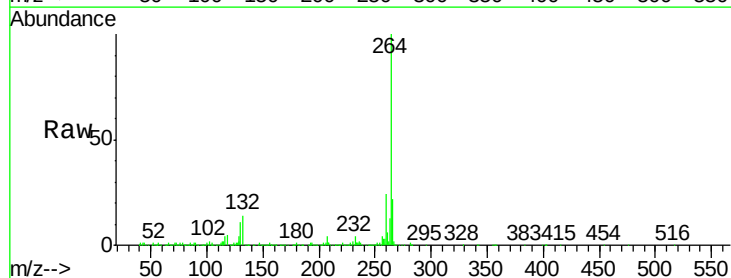
Tgt Ion:264 Resp: 790347

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

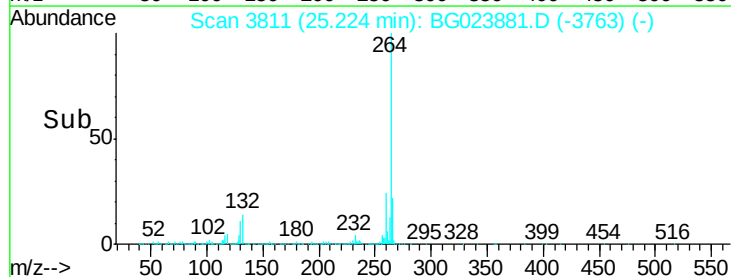
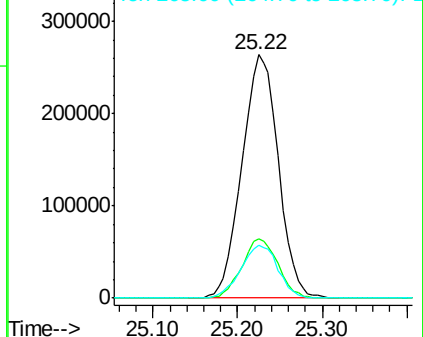
265 21.9 18.9 28.3

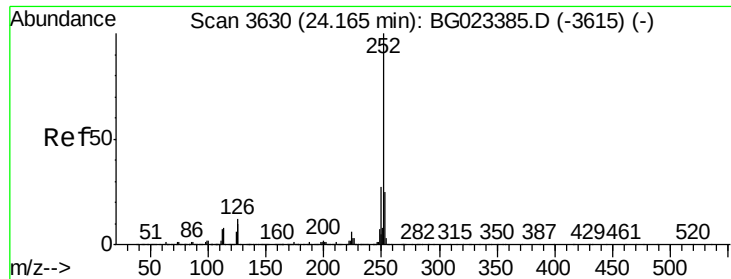


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

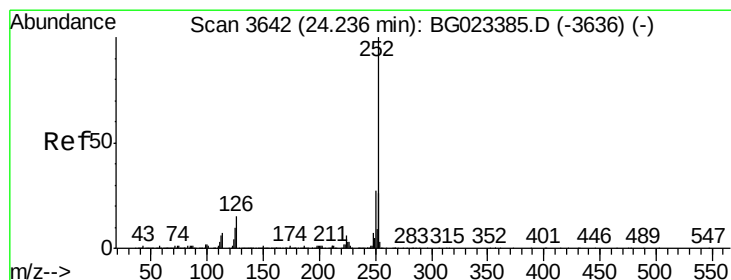
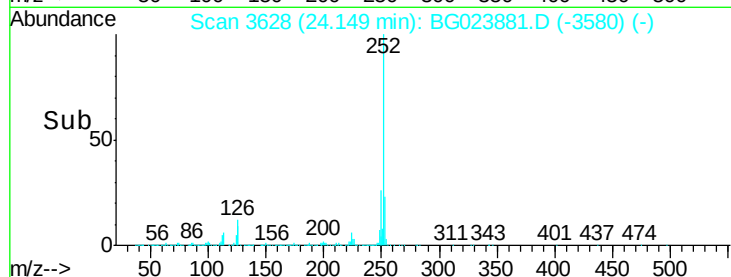
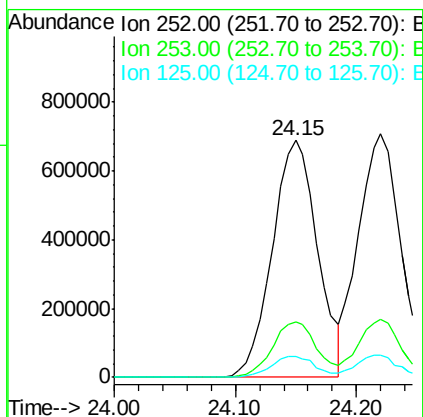
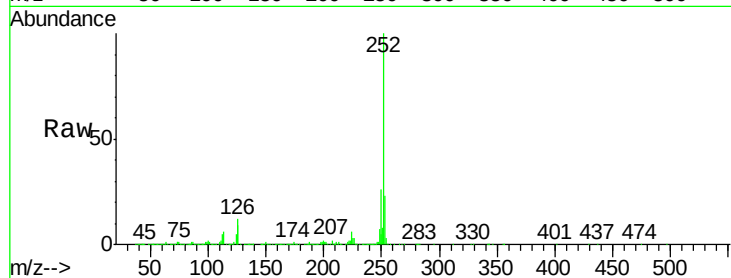




#87  
Benzo(b)fluoranthene  
Concen: 40.15 ng  
RT: 24.15 min Scan# 3628  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

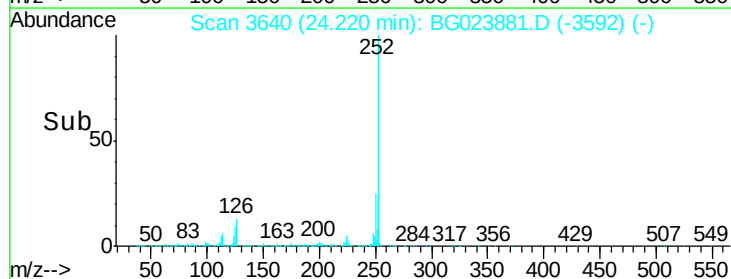
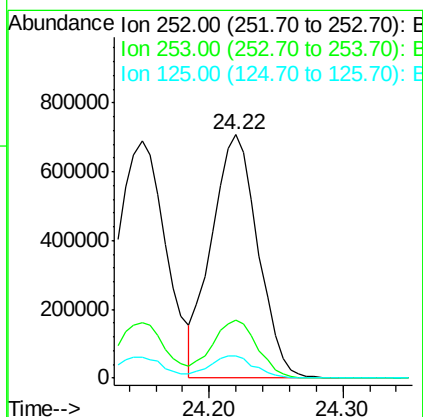
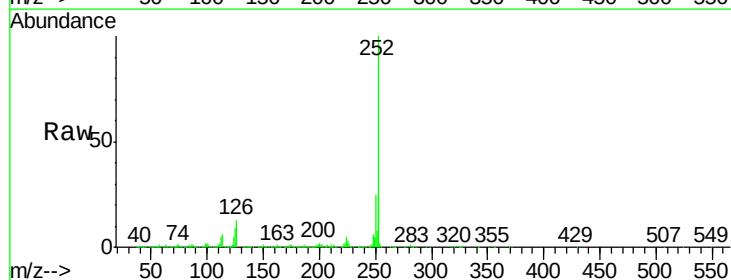
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:252 Resp: 1785499  
Ion Ratio Lower Upper  
252 100  
253 23.3 18.9 28.3  
125 9.1 3.9 5.9#

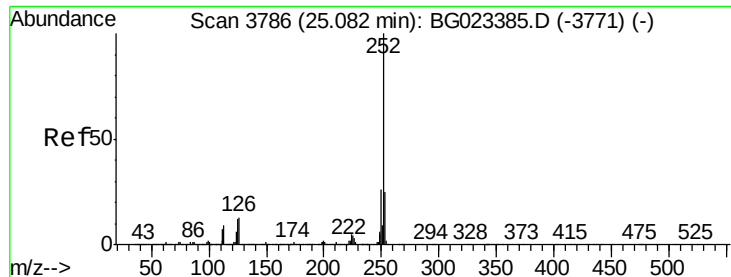


#88  
Benzo(k)fluoranthene  
Concen: 40.06 ng  
RT: 24.22 min Scan# 3640  
Delta R.T. -0.02 min  
Lab File: BG023881.D  
Acq: 24 Aug 2016 9:46

Tgt Ion:252 Resp: 1711051  
Ion Ratio Lower Upper  
252 100  
253 24.0 18.8 28.2  
125 9.3 3.2 4.8#







#89

Benzo(a)pyrene

Concen: 40.87 ng

RT: 25.07 min Scan# 3785

Delta R.T. -0.01 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

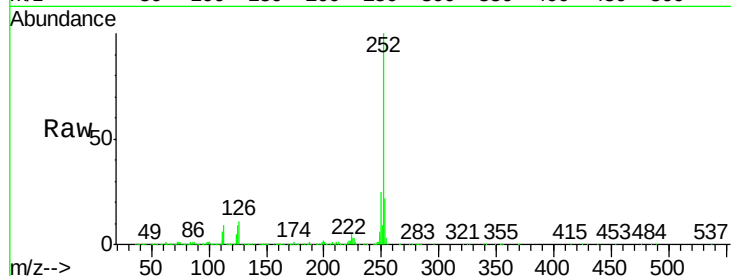
Tot Ion:252 Resp: 1728298

Ion Ratio Lower Upper

252 100

253 21.8 18.7 28.1

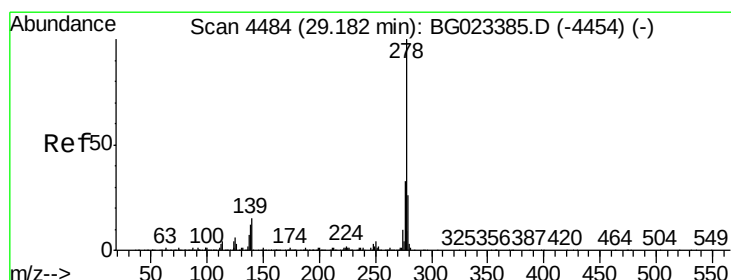
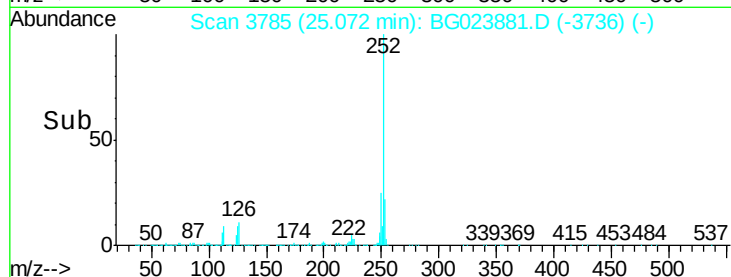
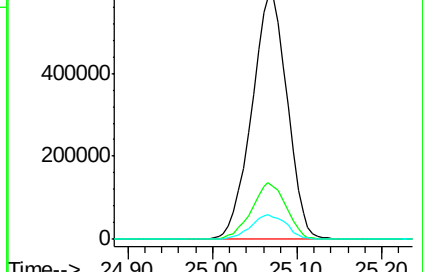
125 9.3 3.9 5.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 39.65 ng

RT: 29.17 min Scan# 4483

Delta R.T. -0.01 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

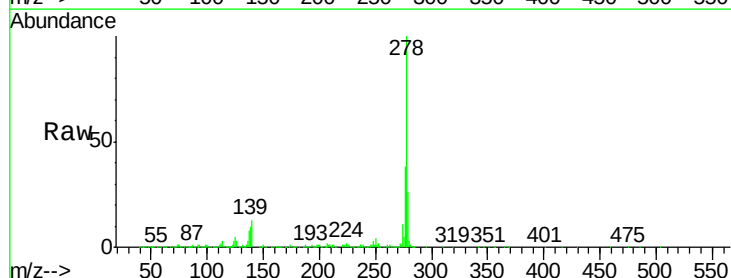
Tgt Ion:278 Resp: 1713092

Ion Ratio Lower Upper

278 100

139 13.3 4.7 7.1#

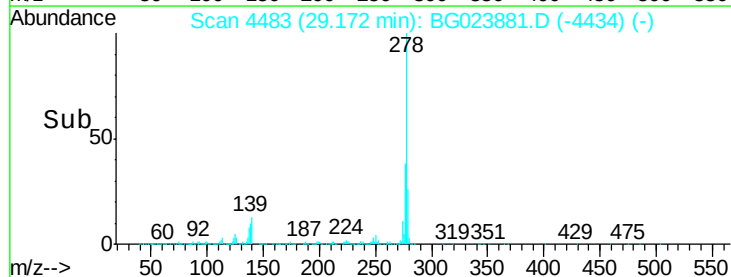
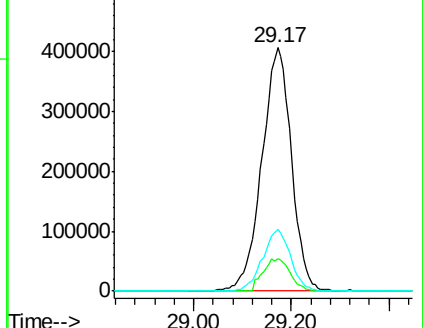
279 25.7 18.3 27.5

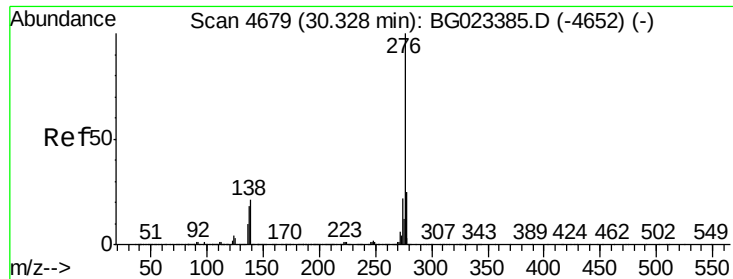


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 38.60 ng

RT: 30.32 min Scan# 4679

Delta R.T. -0.00 min

Lab File: BG023881.D

Acq: 24 Aug 2016 9:46

Instrument :

BNA\_G

ClientSampleId :

Tot Ion:276 Resp: 1679433

Ion Ratio Lower Upper

276 100

277 25.2 18.6 27.8

138 18.4 6.8 10.2#

