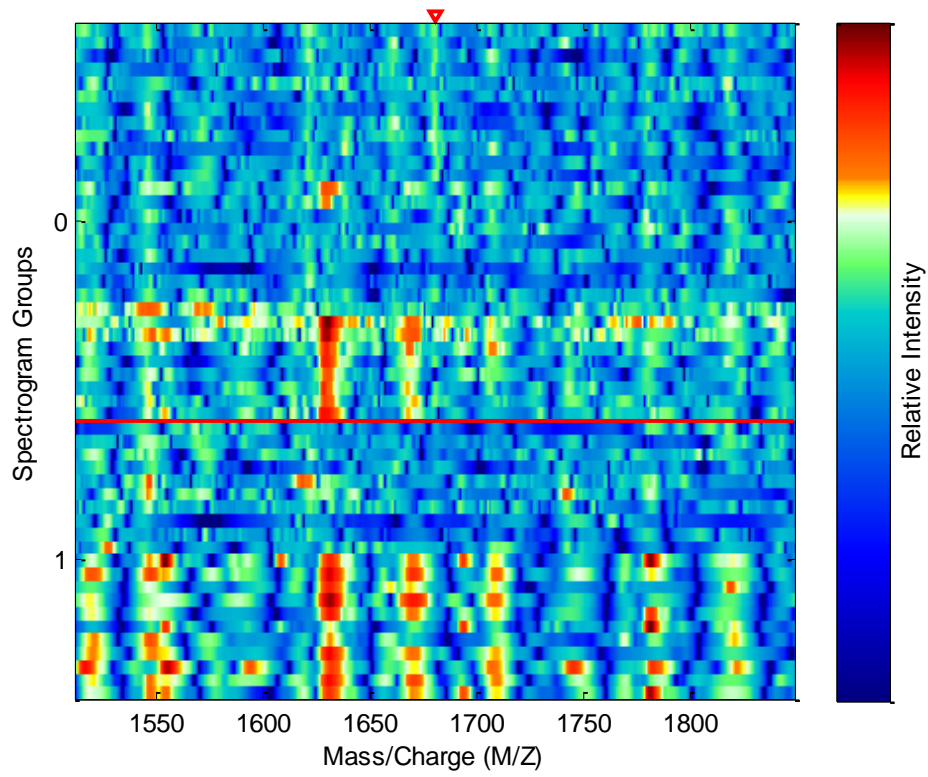
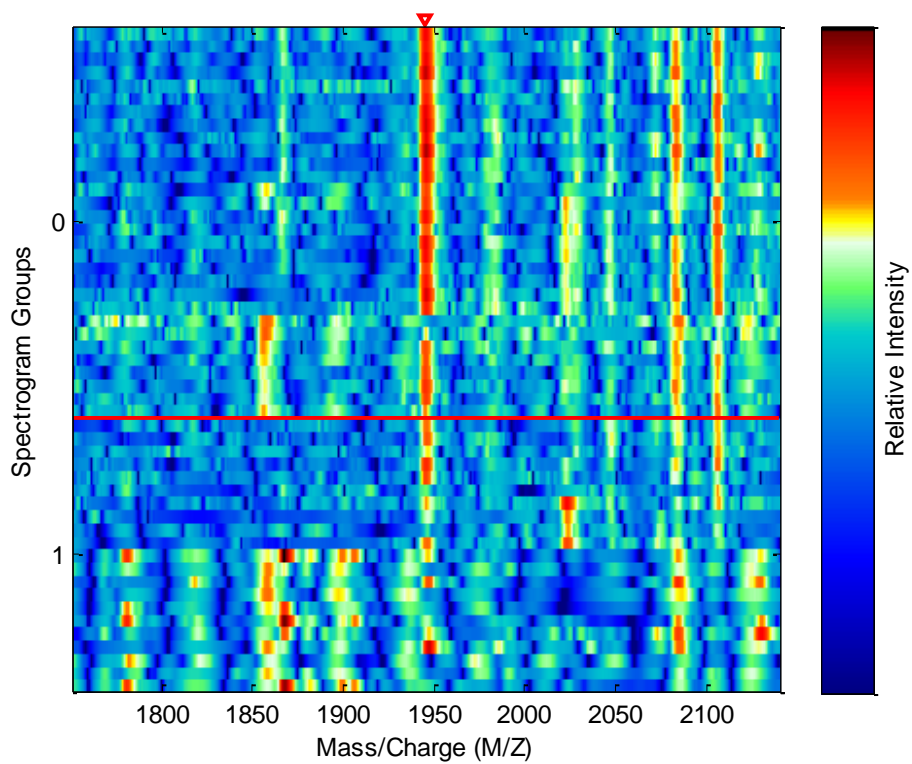


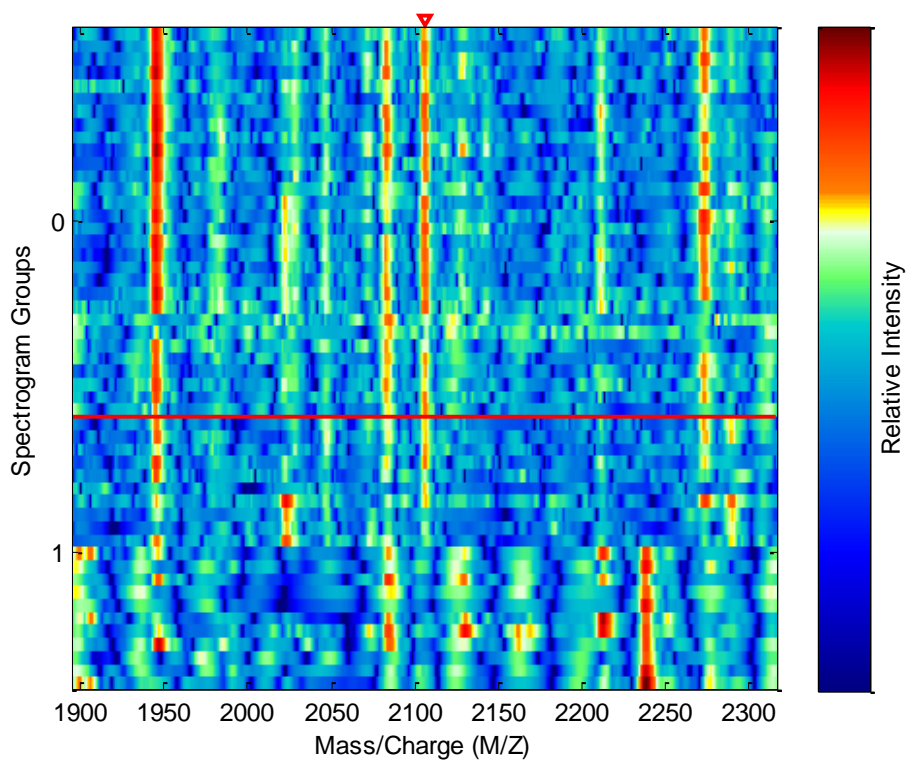
Biomarkers Principal Component Scatter Plot
Group 1: Intestinal tuberculosis patients, group 0: Healthy controls.



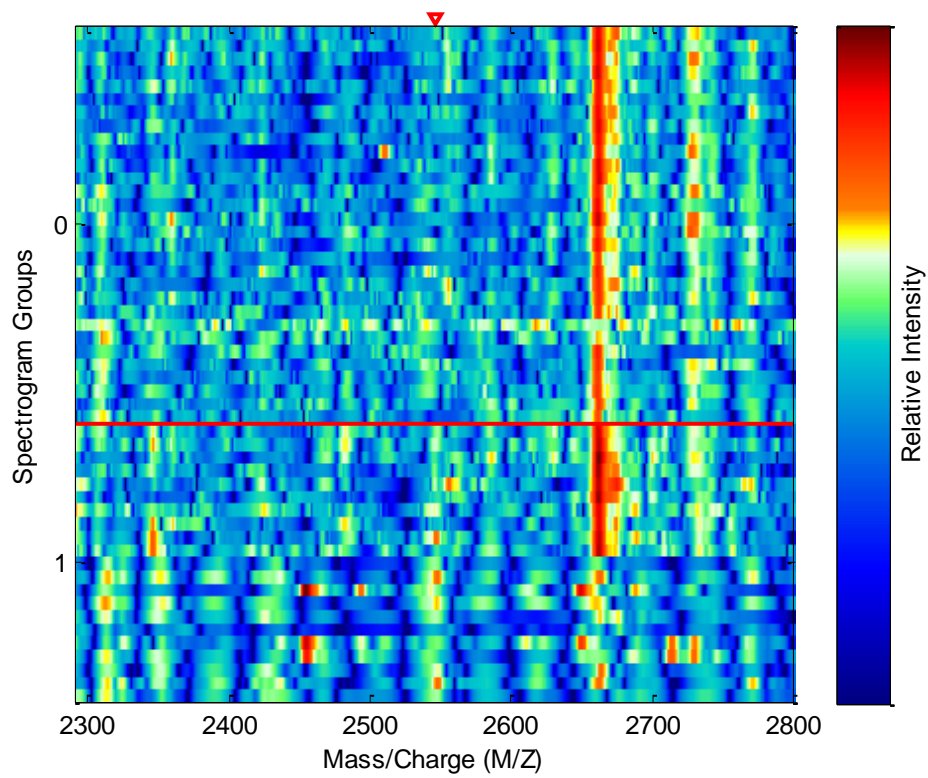
Gel figure: M/Z 1680



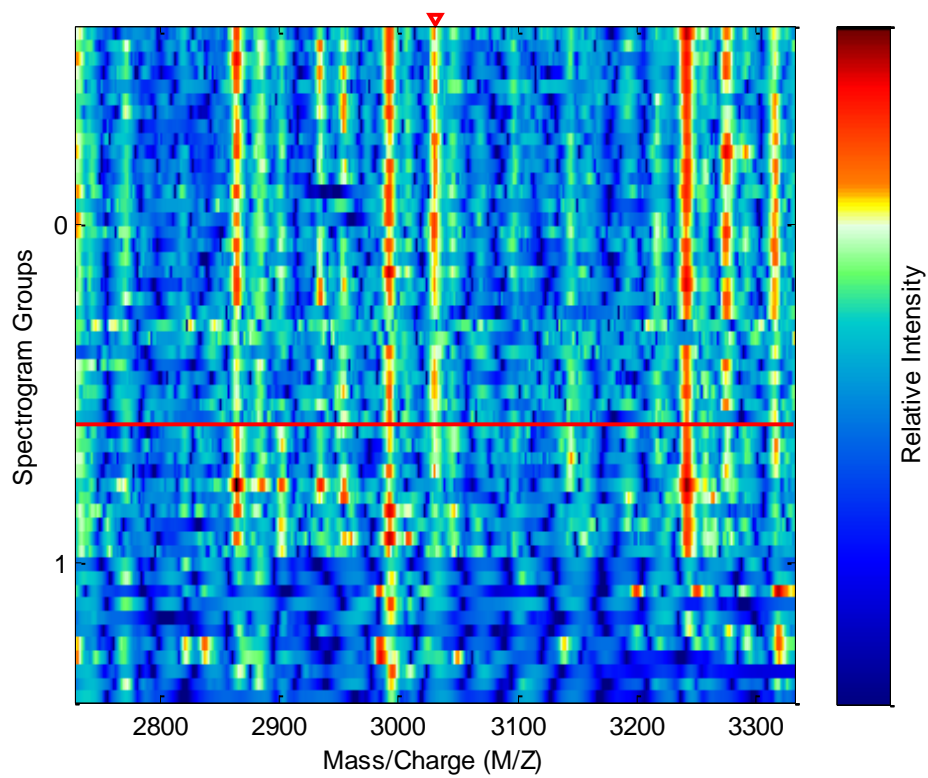
Gel figure: M/Z 1945



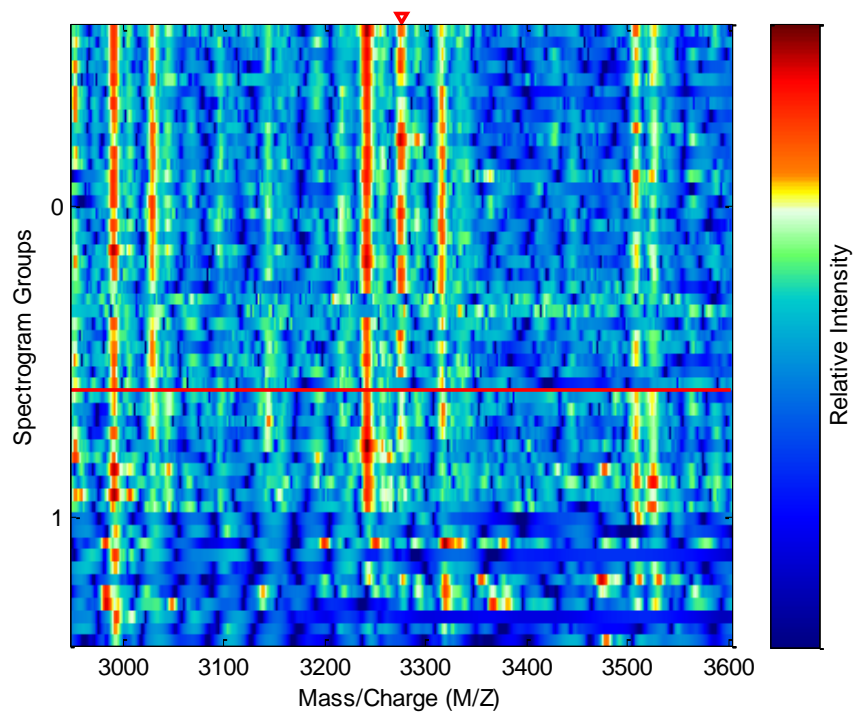
Gel figure: M/Z 2105



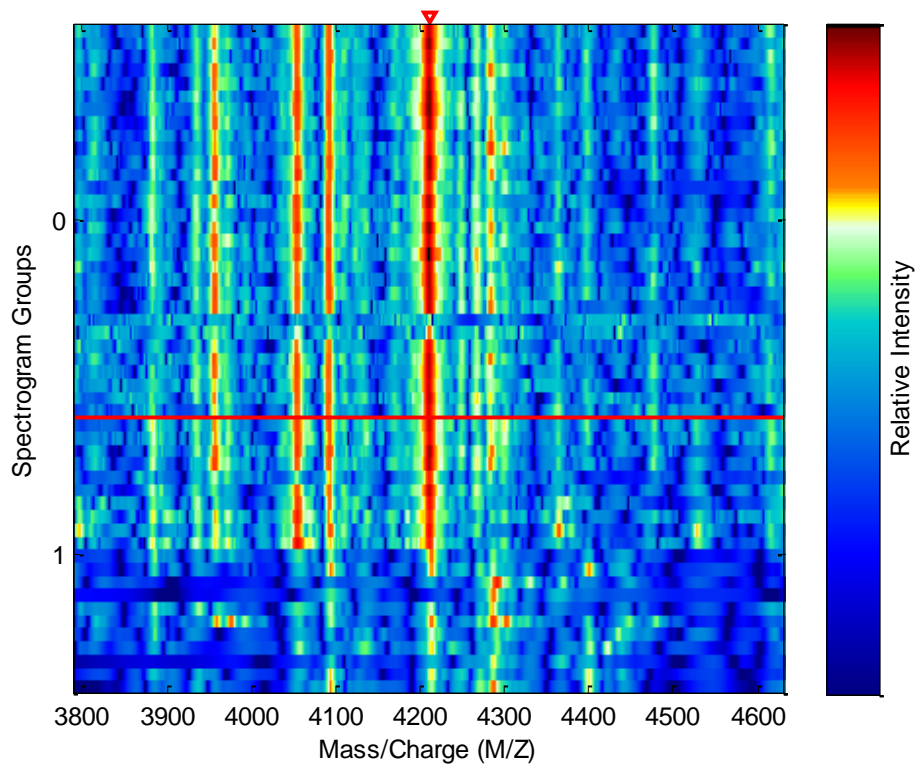
Gel figure: M/Z 2545



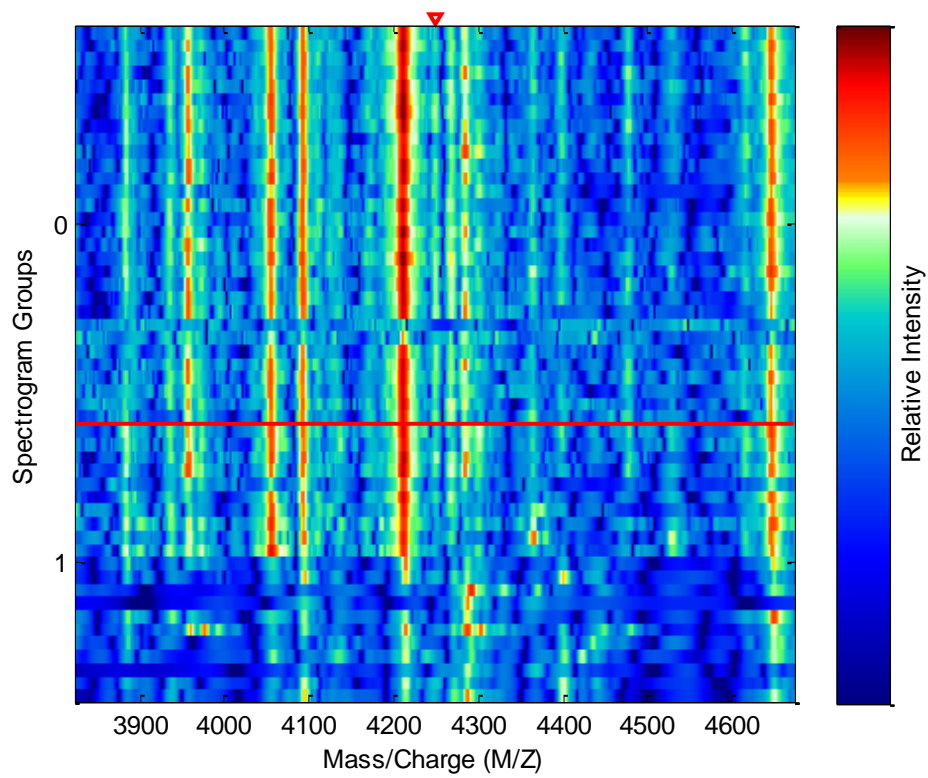
Gel figure: M/Z 3030



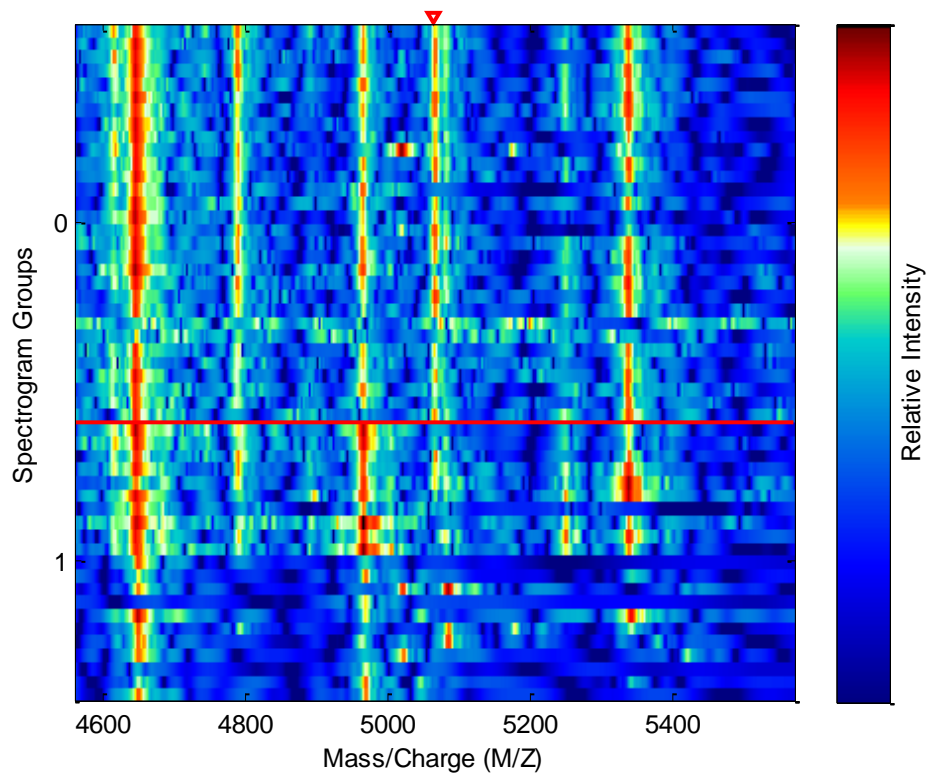
Gel figure: M/Z 3275



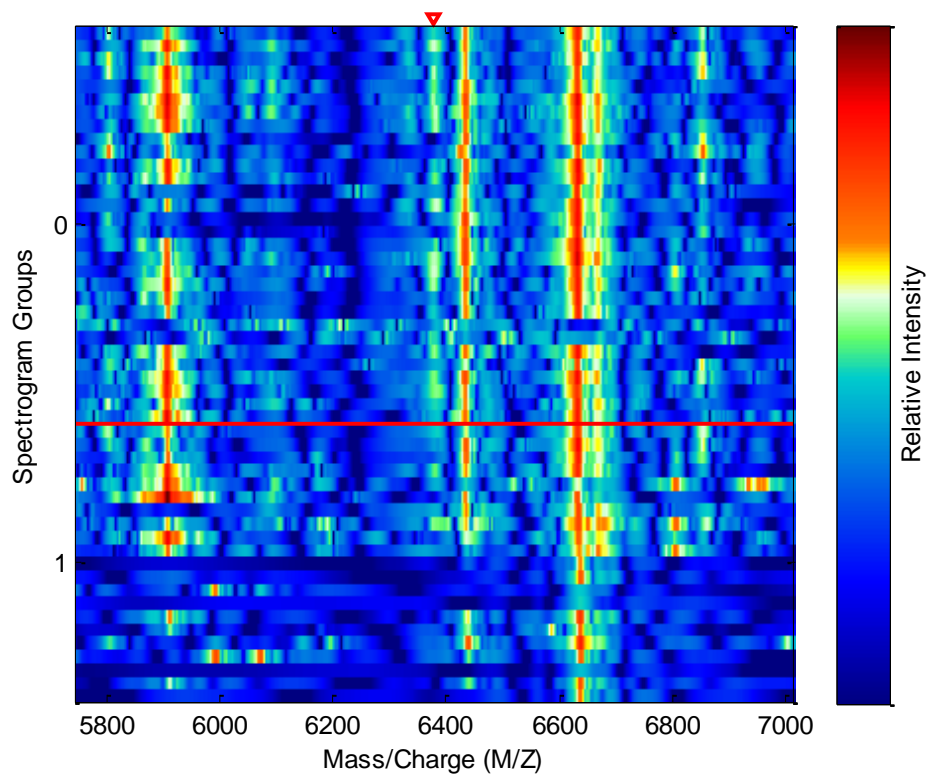
Gel figure: M/Z 4210



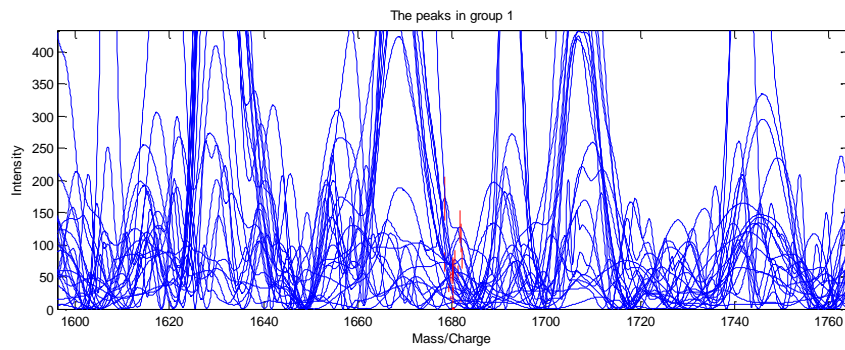
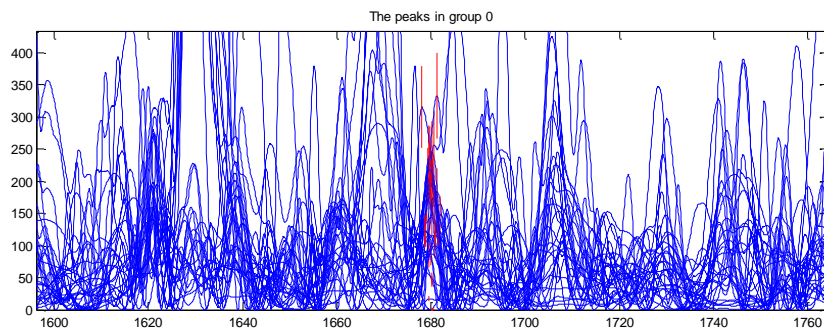
Gel figure: M/Z 4248



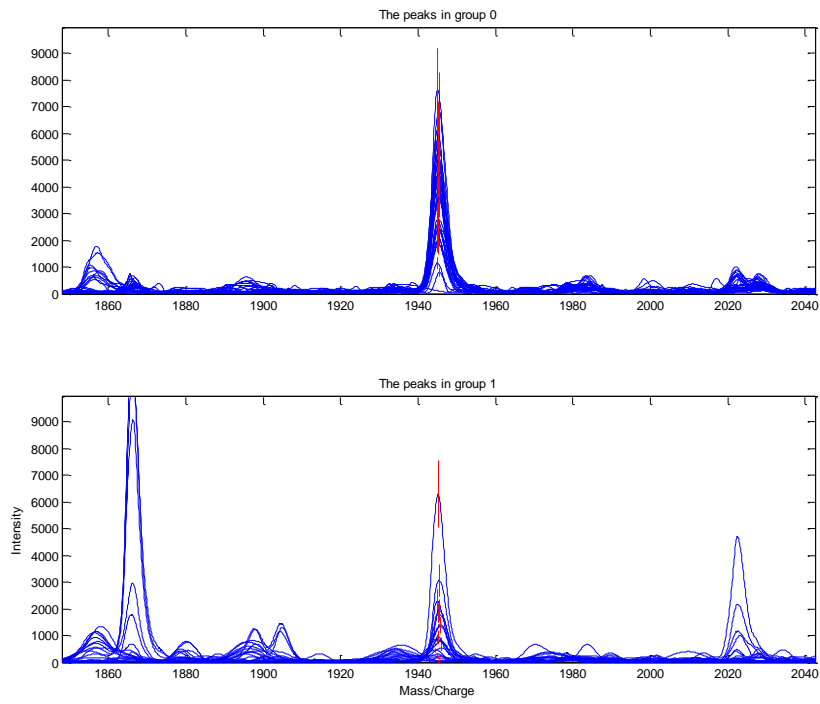
Gel figure: M/Z 5065



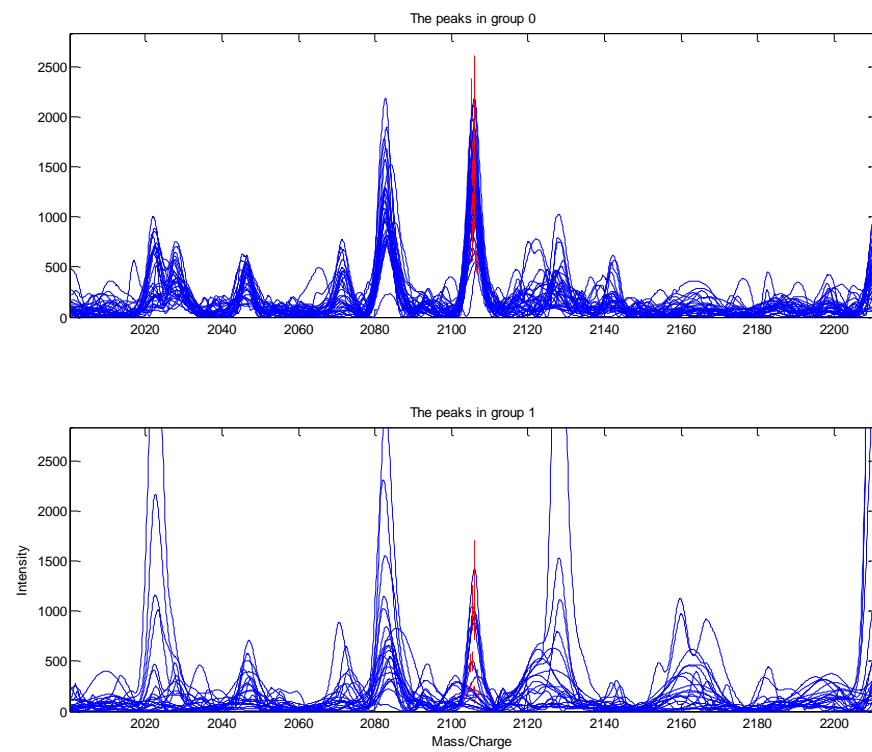
Gel figure: M/Z 6379



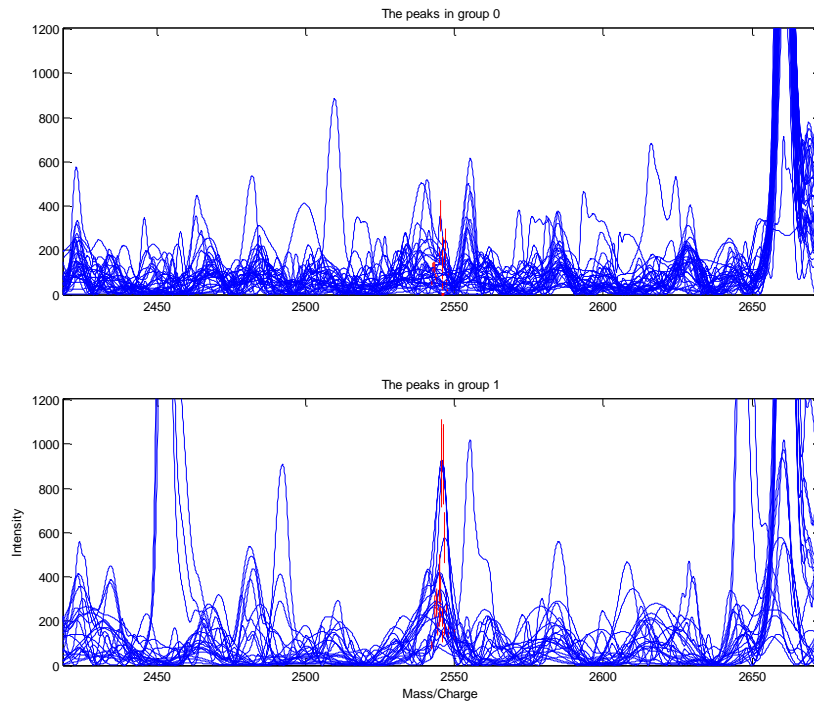
Peak figure: M/Z 1680



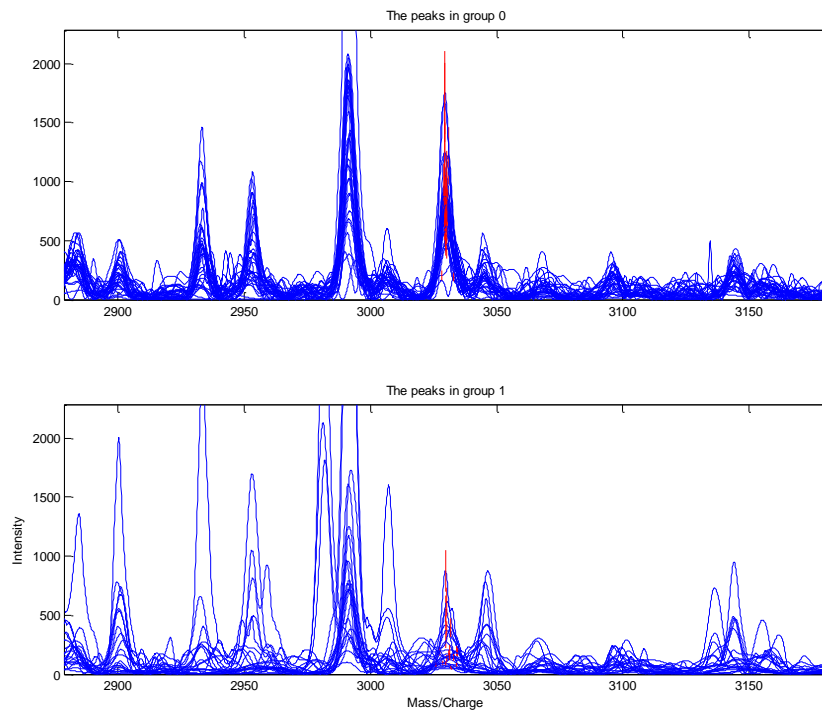
Peak figure: M/Z 1945



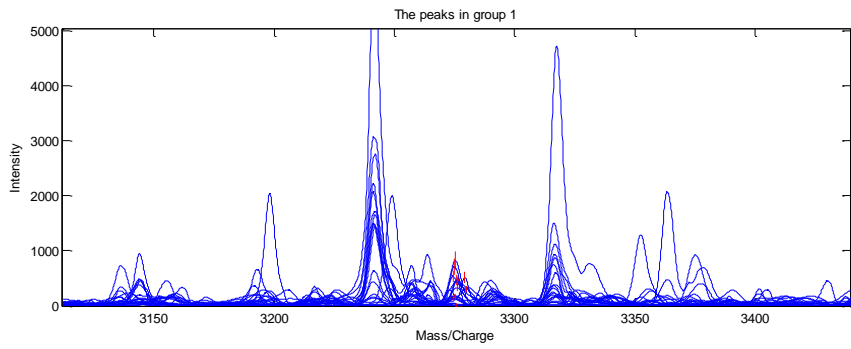
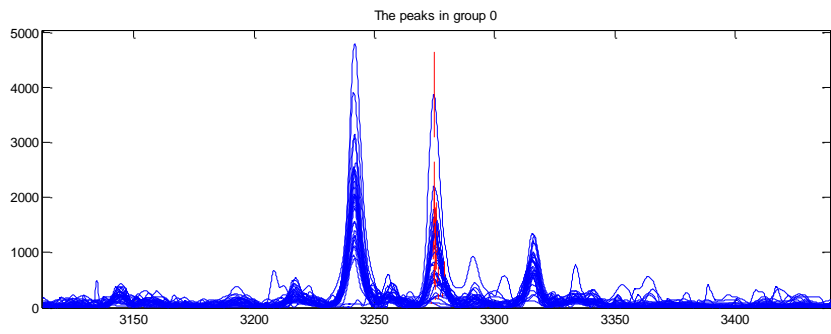
Peak figure: M/Z 2105



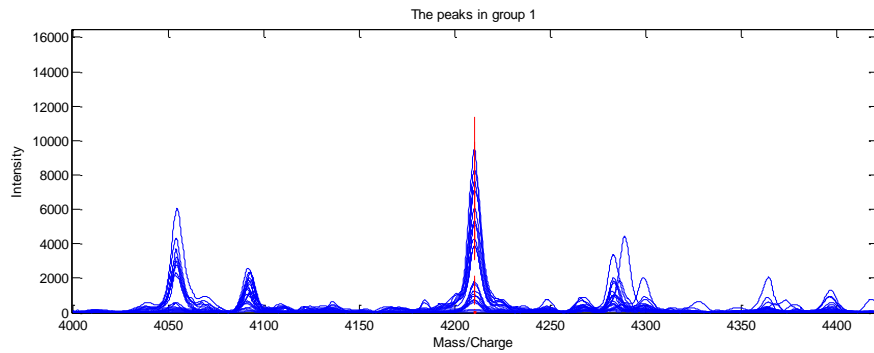
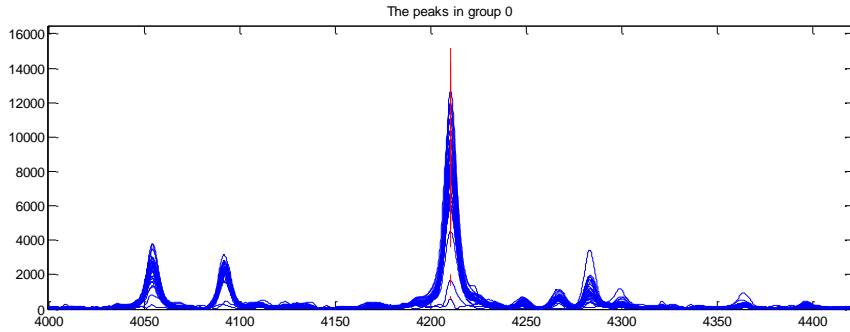
Peak figure: M/Z 2545



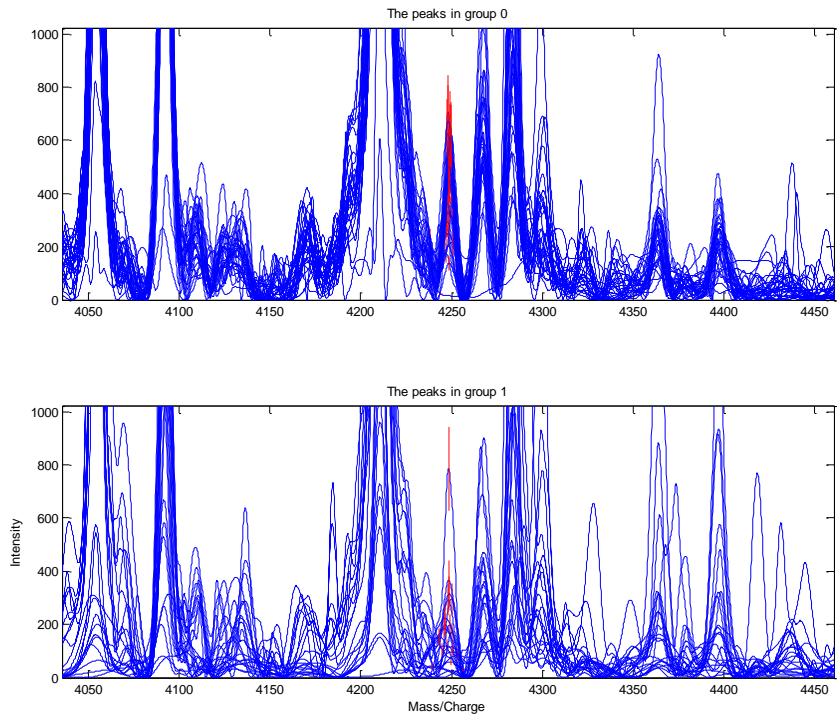
Peak figure: M/Z 3030



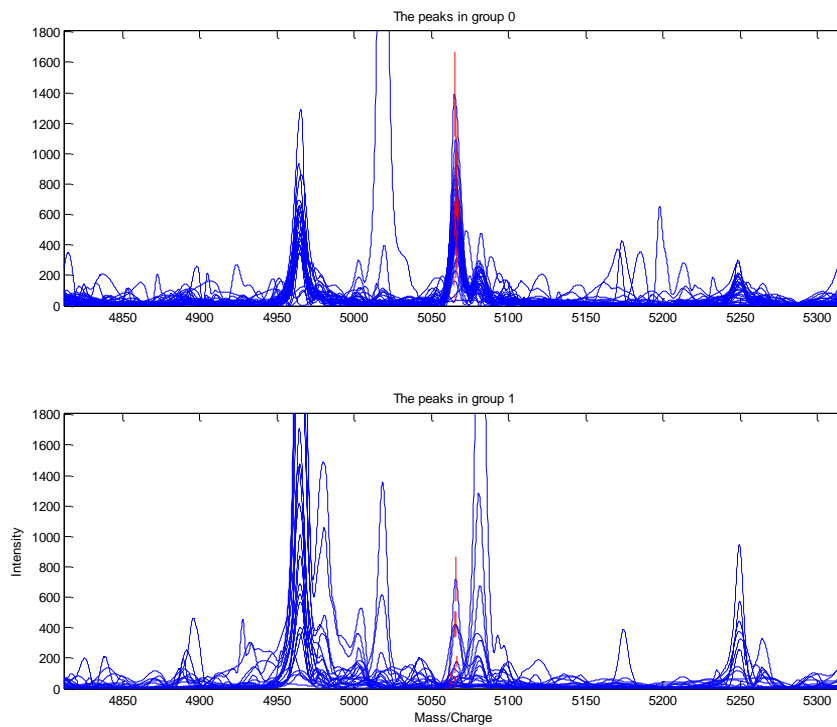
Peak figure: M/Z 3275



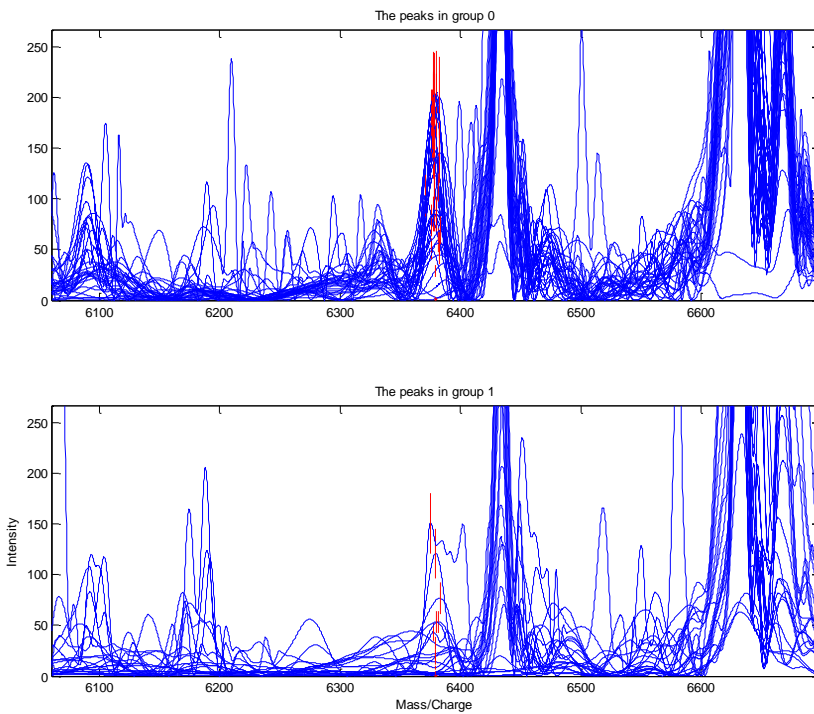
Peak figure: M/Z 4210



Peak figure: M/Z 4248



Peak figure: M/Z 5065



Peak figure: M/Z 6379

User Name zy2016 Peaks filtering factor Wilcoxon
 Repeat Sample 0 Small Size Sample No
 Test sample percent 0.3 Batch Analyze 1
 Wavelet threshold 100 Smoothing window 100
 Calibration coefficient (%)0.03 Minimal M/Z (%) 1000
 Cluster factor (%) 0.003 Minimal peak threshold (%) 0.1
 Excluded spectra threshold (%) 0.2 Minimal sinal/noise ratio (%) 2
 Minimal intensity 300 P value or Number of peaks 10
 Algorithm 1 Evaluation 1
 GA population 50 GA generation 20

Training result

| | Predicted Class 0 | Predicted Class 1 | Sum | Accuracy (%) | Error (%) |
|---------|-------------------|-------------------|-----|--------------|-----------|
| Class 0 | 30 | 0 | 30 | 100 | 0 |
| Class 1 | 1 | 20 | 21 | 95.2381 | 4.7619 |

Validation result

| | Predicted Class 0 | Predicted Class 1 | Sum | Accuracy (%) | Error(%) |
|---------|-------------------|-------------------|-----|--------------|----------|
| Class 0 | 28 | 2 | 30 | 93.3333 | 6.6667 |
| Class 1 | 1 | 20 | 21 | 95.2381 | 4.7619 |

selected markers is

3030.248 2105.7772 2545.6704 4210.5168

Biomarker M/Z

3030.248 2105.7772 2545.6704 5065.0708 1945.2667

1680.2109 3275.7756 4210.5168 6379.0283 4248.0205

P value or Weight

2.0337e-007 3.7467e-007 1.0083e-006 1.9743e-006 4.166e-006

1.0264e-005 1.0264e-005 1.0264e-005 1.2241e-005 2.2423e-005

Mean in Class0

828.0201 1325.0445 100.562 544.6942 3689.9815

162.0247 999.0508 7918.5456 112.5922 419.392

Mean in Class1

254.2988 439.3655 355.371 117.292 1128.5762

56.6174 261.9605 3333.2838 30.197 185.8596

Std in Class0

352.6482 443.4387 81.0572 303.7012 1842.3398

81.3891 774.3984 2663.1699 64.5077 177.5358

Std in Class1

214.6184 425.7776 258.7236 182.4033 1453.1253

41.6849 252.908 3034.131 41.3063 170.3095