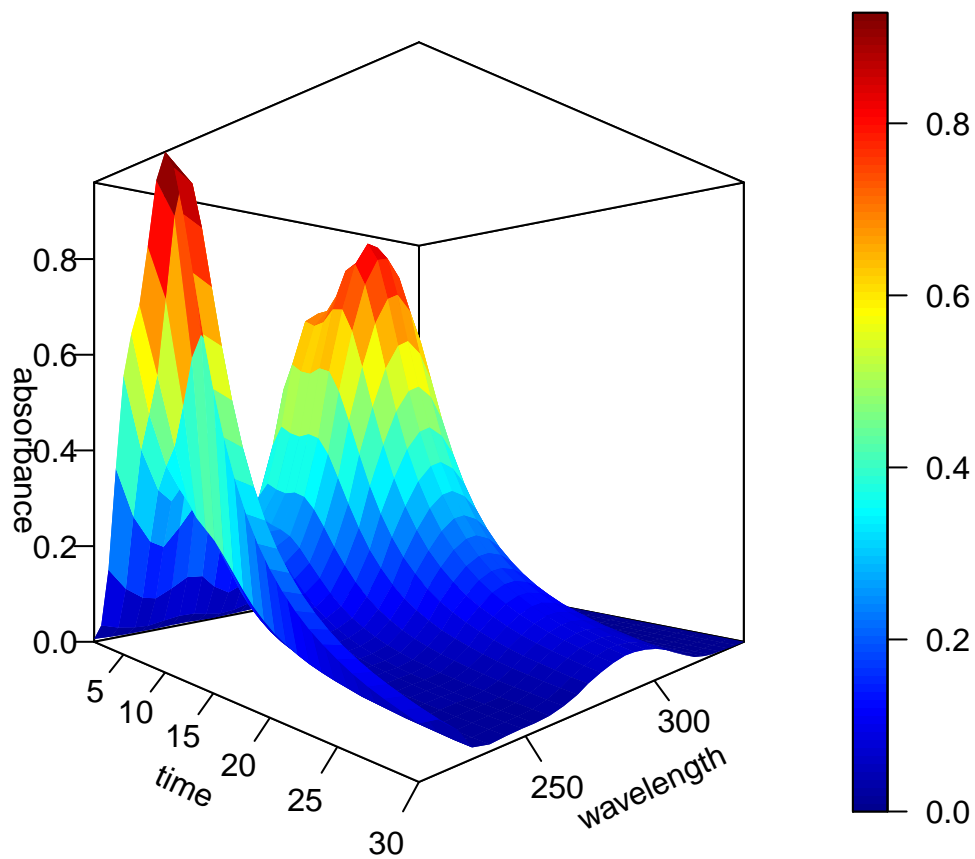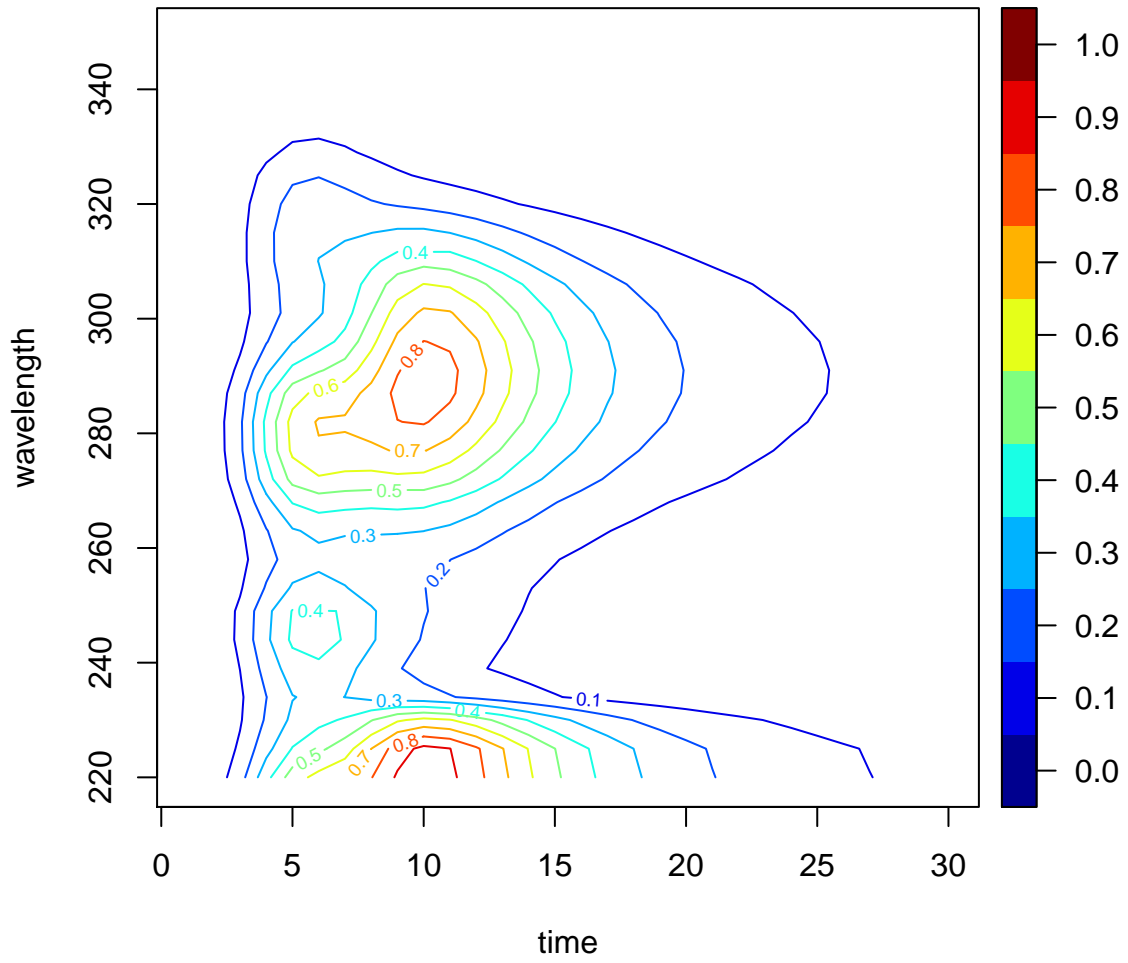# Four Views of an HPLC Chromatogram
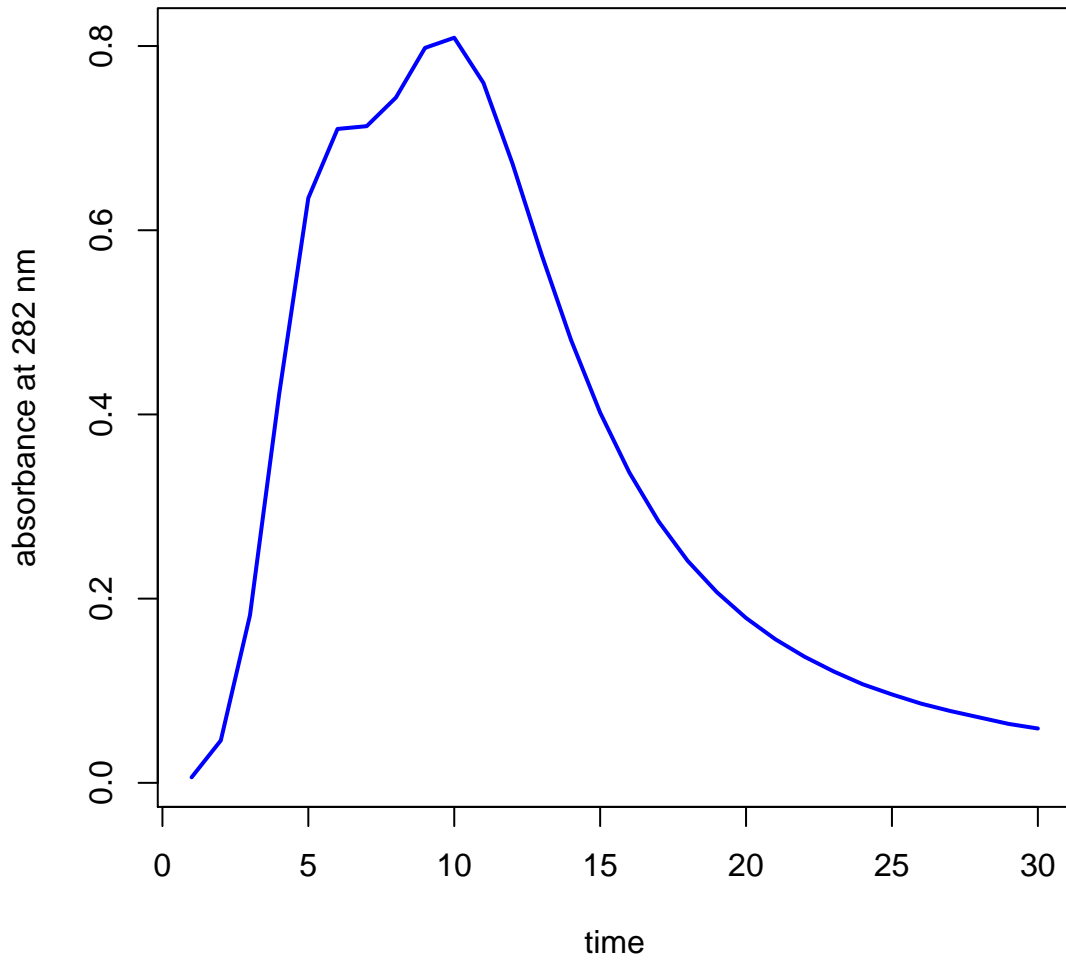
```r
load("Chrom3D.RData")
library(plot3D)
persp3D(x = time, y = wavelength, z = as.matrix(chrom3d), xlab = "time",
        ylab = "wavelength", zlab = "absorbance", ticktype = "detailed",
        phi = 0, theta = 45)
```

```
contour2D(z = as.matrix(chrom3d), x = time, y = wavelength,
          xlab = "time", ylab = "wavelength")
```

```r
plot(x = time, y = chrom3d$'282', type = "l", lwd = 2, col = "blue",
     xlab = "time", ylab = "absorbance at 282 nm")
```

```r
plot(x = wavelength, y = chrom3d[8, ], type = "l", lwd = 2, col = "blue",
     xlab = "wavelength", ylab = "absorbance at 8 minutes")
```