

Comparison of Interpolation Methods: Saliva Subject A

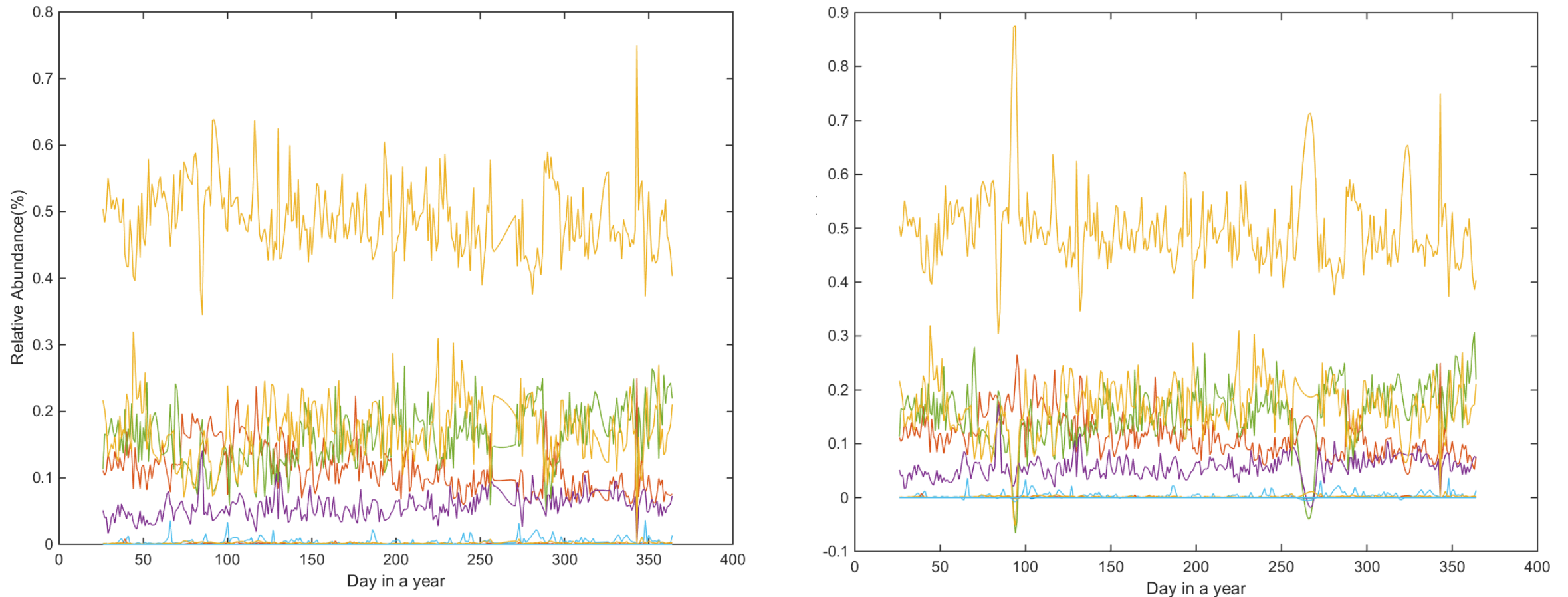


Figure 1. The plots above both show time series of 27 phylums across time span of nearly a year, however the missing values were interpolated with different methods. The plot on the left were interpolated by cubic method, while the one on the right by spline method. Apparently spline method introduces unrealistic negative values, which may become artifacts in the following investigation. The x axis is day in a year, the y axis is relative abundance of a phylum in one day's sample.

Comparison of Interpolation Methods: Stool Subject A

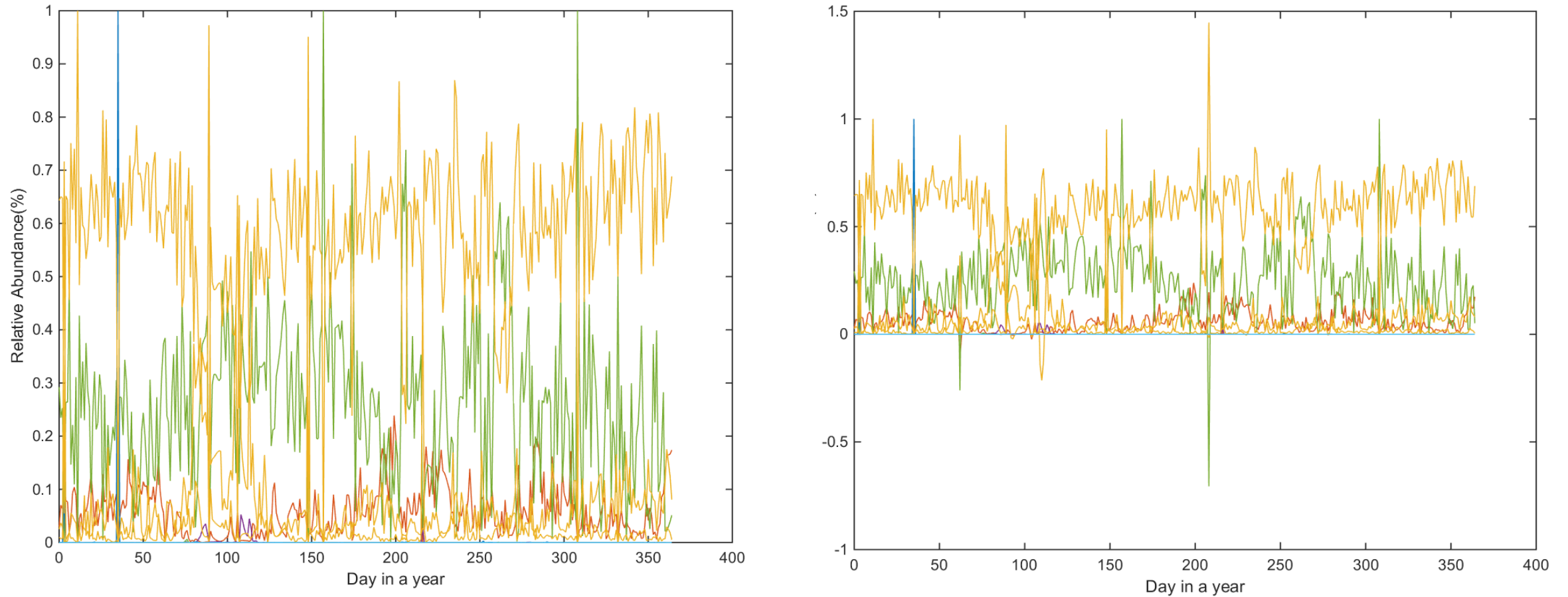


Figure 2. Format is same as figure 1, except the data is from stool samples from subject A.

Comparison of Interpolation Methods: Stool Subject B

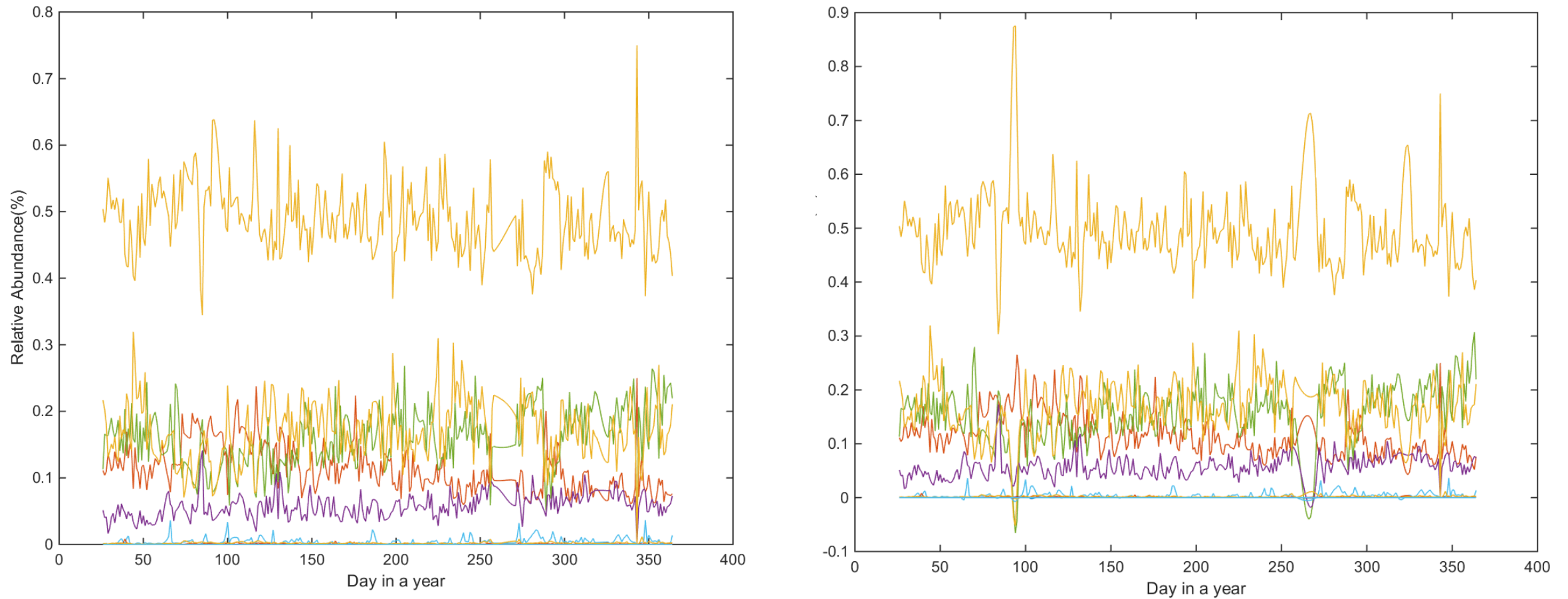


Figure 3. Format is same as figure 1 and 2, except the data is from stool samples from subject B.