Fitting overlapping peaks

Histograms of error in fitted amplitude to an overlapping pair of gaussians

Ratio = 10

Separation = 0.2 * FWHM
Ratio = 2

Separation = 0.2 * FWHM

Separation = 0.4 * FWHM

Fractional error
Perturbing the mass cal.
Time series of pertubed cal.

Range of HR peak areas for +/- 50 ppm shift in mass calibration
Assessing mass calibration
Combine the effects