## Chemistry 416, Dr. Glaser Applications of Mass Spectroscopy: Isotope Pattern.

The effects of isotopes are illustrated in Unknowns 2.1 to 2.3. The characteristic ratio of 3:1 for Unknown 2.1 makes the element easily recognizable. Note that the interpretation of m/z 36 as a fragment ion would be totally misleading! It is important that you become familiar with the isotope ratios of the common elements.

