

DYNAMIC RANGE IMPROVEMENT FOR MASS SPECTROMETRY

Abstract

Embodiments of the present disclosure provide methods of controlling an ion detector to minimise false peaks when utilising extended dynamic range techniques. In one exemplary example, methods of controlling an ion detector are provided, comprising the steps of: determining an electronic baseline signal of the ion detector; receiving one or more ion input signals at the ion detector; comparing the ion input signal to the electronic baseline signal; and multiplying the ion input signal by a selected compensation factor when the ion input signal exceeds the electronic baseline signal.

Figure 2