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'agilent icp ms journal

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'a powerful bination of quadruple isotope dilution

May 19th, 2020 - the plots represented in fig 4 which were constructed by plotting the ratio $w_a m_a a b m b a b$ the mass fraction of the target analyte with the factor of mass of natural standard to mass of isotopic standard in calibration blends versus isotope ratios revealed the high accuracy of proposed method'

'uncertainty contributions to species specific isotope

May 11th, 2018 - citations 1998 1046 anal at spectrom 2002 3 guidelines for achieving high accuracy in isotope dilution mass spectrometry"mass accuracy and resolution waters

June 3rd, 2020 - high mass accuracy and low resolution low resolution quadrupole instruments perform well for extremely high mass accuracy measurements like those used for analyzing proteins the masses of proteins are generally defined as average values when the isotope peaks are not resolved relative to each other'

'metabolomics and isotope tracing cell

May 31st, 2020 - achieving high resolution allows metabolites with small mass differences to be independently measured for example creatine c 4 h 9 n 3 o 2 and leucine c 6 h 13 no 2 with accurate positive ion masses of 132 076 and 132 102 can be distinguished at 4 000 resolution for isotope tracing high resolution can distinguish species labeled with'

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'metrology for stable isotope reference materials 13c 12c
December 31st, 2019 - it is to be noted that unlike the sample ? 18 o ? 18 value the ? 13 c ? 13 value does not change in going from the vpdb to the vpdb co 2 scale however we refer our sample and reference co 2 gas ? 13 c values in the vpdb co 2 scale notation for consistency purposes the isotope delta value of nbs19 relative to the vpdb scale is defined as ? 13 c vpdb ? 18 o vpdb 1 95'

'hot vacuum extraction isotopic dilution mass spectrometry

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