Record Nr. UNINA9910140603903321 Autore Meier-Augenstein Wolfram Titolo Stable isotope forensics [[electronic resource]]: an introduction to the forensic application of stable isotope analysis / / Wolfram Meier-Augenstein Chichester, West Sussex;; Hoboken, NJ:,: J. Wiley,, 2010 Pubbl/distr/stampa **ISBN** 1-119-96513-6 1-282-02820-0 9786612028205 0-470-68876-9 0-470-68877-7 Descrizione fisica 1 online resource (297 p.) Collana Developments in Forensic Science THEi Wiley ebooks 363.25 Disciplina Soggetti Chemistry, Forensic Stable isotopes Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Stable Isotope Forensics; Contents; Series Foreword: Developments in Forensic Science Niamh Nic Da eid; Foreword: Sean Doyle; List of Figures; List of Tables; Introduction: Stable Isotope 'Fingerprinting' or Chemical 'DNA': A New Dawn for Forensic Chemistry?; I How It Works; II Instrumentation and Analytical Techniques; III Stable Isotope Forensics: Case Studies and Current Research; Government Agencies and Institutes with Dedicated Stable Isotope Laboratories: Acknowledgements; Recommended Reading; Author's Biography; Index Sommario/riassunto This book provides the first comprehensive, overview and guide to forensic isotope analysis, an exciting new application of stable isotope analytical techniques. Topics are introduced using examples and reallife case studies such as food quality control where isotope analysis has already had a major impact, in terms of consumer protection, These

> examples illustrate the underlying principles of isotope profiling or fingerprinting. A section comprising actual criminal case work is used to build a bridge between the introduction and the technical section to