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Altri autori (Persone)	WilkinsCharles L <1938-> (Charles Lee) LayJackson O
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Nota di contenuto	Cultural, serological, and genetic methods for identification of bacteria / John B. Sutherland and Fatemeh Rafii -- Mass spectrometry : identification and biodetection, lessons learned and future developments / Alvin Fox -- An introduction to MALDI-TOF MS / Rohana Liyanage and Jackson O. Lay, Jr. -- The development of the block II chemical biological mass spectrometer / Wayne H. Griest and Stephen A. Lammert -- Method reproducibility and spectral library assembly for rapid bacterial characterization by metastable atom bombardment pyrolysis mass spectrometry / Jon G. Wilkes ... [et al.] -- MALDI-TOF mass spectrometry of intact bacteria / Jackson O. Lay, Jr., and Rohana Liyanage -- Development of spectral pattern-matching approaches to matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for bacterial identification / Kristin H. Jarman and Karen L. Wahl -- Studies of malaria by mass spectrometry / Plamen A. Demirev -- Bacterial strain differentiation by mass spectrometry / Randy J. Arnold, Jonathan A. Karty, and James P. Reilly -- Bacterial protein biomarker discovery : a focused approach to developing

molecular-based identification systems / Tracie L. Williams, Steven R. Monday, and Steven M. Musser -- High-throughput microbial characterizations using electrospray ionization mass spectrometry and its role in functional genomics / Seetharaman Vaidyanathan and Royston Goodacre -- Bioinformatics for flexibility, reliability, and mixture analysis of intact microorganisms / Catherine Fenselau and Patrick Pribil -- MALDI-FTMS of whole-cell bacteria / Jeffrey J. Jones, Michael J. Stump, and Charles L. Wilkins -- A review of antibody capture and bacteriophage amplification in connection with the direct analysis of whole-cell bacteria by MALDI-TOF-MS / Kent J. Voorhees and Jon C. Rees -- Discrimination and identification of microorganisms by pyrolysis mass spectrometry : from burning ambitions to cooling embers : a historical perspective / Eadaoin Timmins and Royston Goodacre.

Sommario/riassunto

A multidisciplinary approach to understanding the fundamentals of mass spectrometry for bacterial analysis From chemotaxonomy to characterization of targeted proteins, Identification of Microorganisms by Mass Spectrometry provides an overview of both well-established and cutting-edge mass spectrometry techniques for identifying microorganisms. A vital tool for microbiologists, health professionals, and analytical chemists, the text is designed to help scientists select the most effective techniques for use in biomedical, biochemical, pharmaceutical, and bioterror defense applications.<b
