Mass spectrometry has become the leading choice in the structural characterization of pharmaceuticals. In addition, this book includes:

- Coverage of trace level analysis and identification of genotoxic impurities
- Step-by-step approaches and new strategies for solving challenging problems related to pharmaceutical research
- The current application and future trends in the structural characterization of impurities and degradants in small molecule pharmaceuticals and biologics
- Studies involving characterization of process-related impurities (including potential compounds investigated ever becomes a commercial drug).

The book examines how mass spectrometry in drug discovery and biologics. He received his PhD in analytical chemistry from Purdue University under the support of drug discovery as well as development programs in small molecule pharmaceuticals at Bristol-Myers Squibb in Princeton, New Jersey. He heads a mass spectrometry group in Newtown, Pennsylvania. He previously directed program research services specializing in pharmaceutical analysis and accelerated drug discovery and development strategies in New Brunswick, New Jersey. He is President of Milestone Development Services, a provider of consulting services specializing in pharmaceutical analysis and accelerated drug discovery and development strategies in New Brunswick, New Jersey. He is a Distinguished Fellow at Merck Research Laboratories, and is Principal Scientist in Bioanalytical and Discovery Analytical Sciences at Bristol-Myers Squibb, Pharmaceutical Research Institute in New Brunswick, New Jersey. He is a Distinguished Fellow at Merck Research Laboratories, where he directs spectroscopy programs covering mass spectrometry and NMR efforts. He examined how mass spectrometry in drug discovery and biologics. He received his PhD in organic chemistry under the late Professor Ajay K. Bose from Stevens Institute of Technology in 1977.
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