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Titolo	Trace analysis with nanomaterials [[electronic resource]] : edited by David T. Pierce and Julia Xiaojun Zhao
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Descrizione fisica	1 online resource (420 p.)
Altri autori (Persone)	PierceDavid T ZhaoJulia Xiaojun
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Biological and chemical analysis -- pt. 2. Environmental analysis -- pt. 3. Advanced methods and materials.
Sommario/riassunto	Presenting a wide variety of methods, this book provides a comprehensive overview of the current state -- ranging from bioanalysis to electrochemical sensing, forensics and chemistry, while also covering the toxicity aspects of nanomaterials to humans and the environment. Edited by rising stars in the field, the first section on biological analysis includes an investigation of nanoparticles and micro- and nanofluidic systems, while the second, environmental analysis, looks at the detection, monitoring, and sensing of explosives as well as pollutants, among other topics. The final part cover