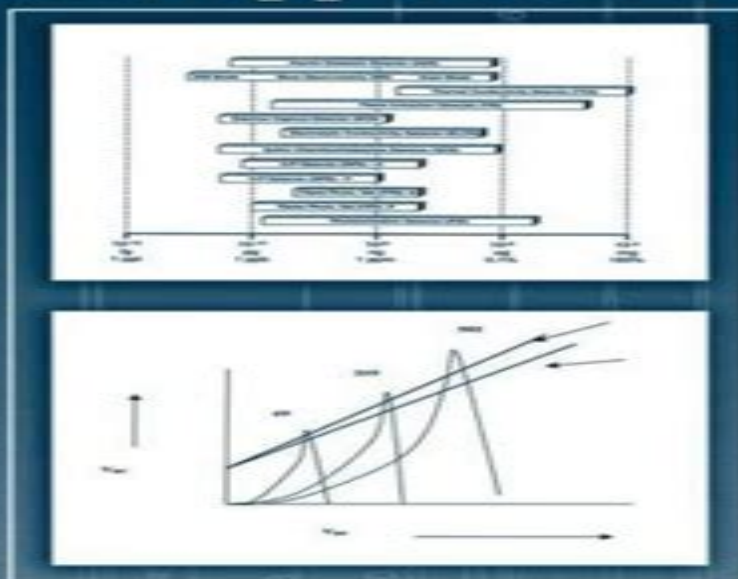


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Astrath, Mikhail A. Proskurnin, 2019-04-16 Covers the advantages of using photothermal spectroscopy over conventional absorption spectroscopy including facilitating extremely sensitive measurements and non destructive analysis This unique guide to the application and theory of photothermal spectroscopy has been newly revised and updated to include new methods and applications and expands on applications to chemical analysis and material science The book covers the subject from the ground up lists all practical considerations needed to obtain accurate results and provides a working knowledge of the various methods in use *Photothermal Spectroscopy Methods Second Edition* includes the latest methods of solid state and materials analysis and describes new chemical analysis procedures and apparatuses in the analytical chemistry sections It offers a detailed look at the optics physical principles of heat transfer and signal analysis Information in the temperature change and optical elements in homogeneous samples and photothermal spectroscopy in homogeneous samples has been updated with a better description of diffraction effects and calculations Chapters on analytical measurement and data processing and analytical applications are also updated and include new information on modern applications and

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Technical Books and Monographs

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Monitoring and Governance of Persistent Organic Pollutants in Asia Osamu Ito,Eiko

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project **Analytical Methods in Forensic Chemistry** Mat H. Ho,1990 Chromatographic Techniques in the Forensic Analysis of Designer Drugs Teresa Kowalska,Mieczyslaw Sajewicz,Joseph Sherma,2018-01-31 There is a dramatic rise of novel drug use due to the increased popularity of so called designer drugs These synthetic drugs can be illegal in some countries but legal in others and novel compounds unknown to drug chemistry emerge monthly This thoughtfully constructed edited reference presents the main chromatographic methodologies and strategies used to discover and analyze novel designer drugs contained in diverse biological materials The methods are based on molecular characteristics of the drugs belonging to each individual class of compounds so it will be clear how the current methods are adaptable to future new drugs that appear in the market **High Performance Liquid Chromatography in Pesticide Residue Analysis** Tomasz Tuzimski,Joseph Sherma,2015-05-20 HPLC is the principal separation technique for identification of the pesticides in environmental samples and for quantitative analysis of analytes At each stage of the HPLC procedure the chromatographer should possess both the practical and theoretical skills required to perform HPLC experiments correctly and to obtain reliable repeatable and r

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