电喷雾质谱新方法及在生命分析化学中的应用

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摘要:电喷雾质谱是目前应用最广泛的生物质谱技术之一。复杂生物基质对质谱分析的选择性和准确性提出挑战,迫切需要在质谱方法学上有所发展。本文介绍具有广泛应用前景的几种电喷雾质谱新方法的原理和特点及若干应用实例,对生物质谱的发展趋势和在生命分析化学中的应用前景进行展望

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Novel approaches of electrospray ionization mass spectrometry and their application in the field of bio-analytical chemistry

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Abstract: The electrospray ionization mass spectrometry(ESI MS)was one of the most widely applicable bio-MS technologies. The complexity of biological matrices challenged the selectivity and accuracy of MS analysis, and demanded the development of MS methodology. Therefore several novel approaches based on ESI MS, which had a wide potential, were introduced with respect to their principle and merits as well as real examples in application. The trend of bio-MS technology and its future application in the field of bio-anal Key words:

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