

Cover image caption: Modified quadrupole ion trap mass spectrometer for infrared ion spectroscopy enables differentiation of isomeric species, see page 2125.

ASMS NEWS & VIEWS

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ASMS News & Views
Edited by Gavin Reid

FACES OF MASS SPECTROMETRY

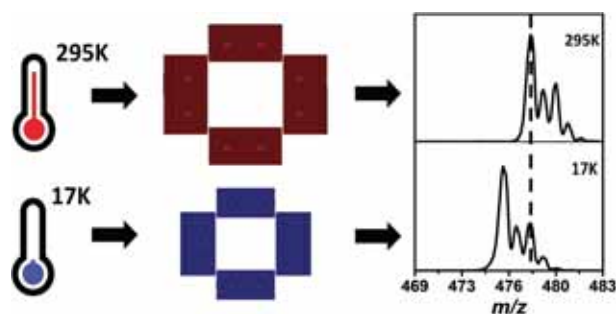
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Interview Series: Francisco Fernandez-Lima
Kristen E. Phillips

RESEARCH ARTICLES

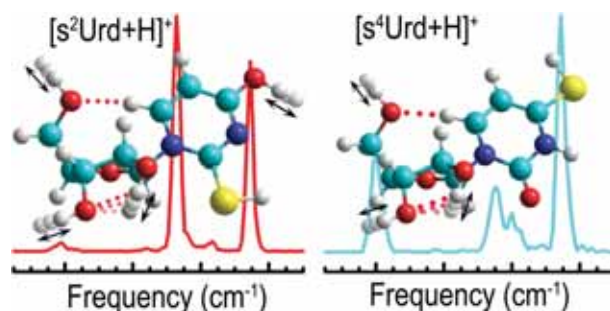
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Operation and Performance of a Mass-Selective Cryogenic Linear Ion Trap
L.F. Tesler, A.P. Cismesia, M.R. Bell, L.S. Bailey,
and N.C. Polfer



2125–2137

Modified Quadrupole Ion Trap Mass Spectrometer for Infrared Ion Spectroscopy: Application to Protonated Thiated Uridines
L.A. Hamlow, Y. Zhu, Z.J. Devereaux,
N.A. Cunningham, G. Berden, J. Oomens,
and M.T. Rodgers



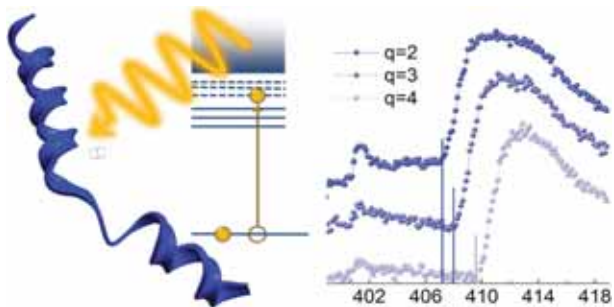
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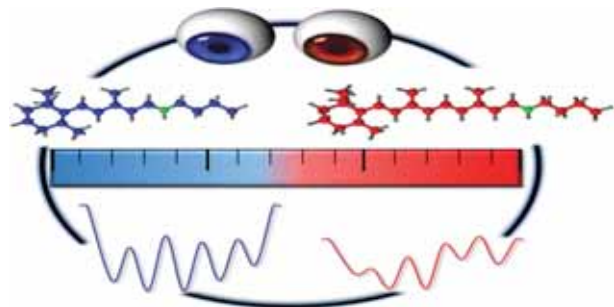
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2138–2151

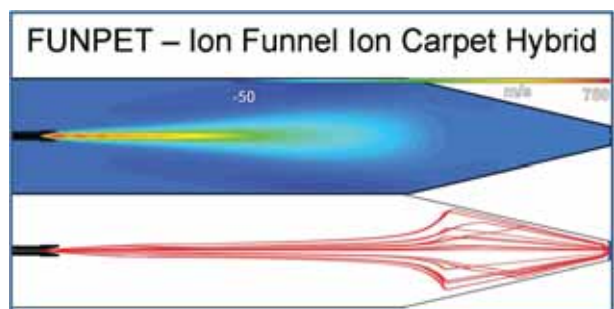
Near-Edge Soft X-ray Absorption Mass Spectrometry of Protonated Melittin
D. Egorov, S. Bari, R. Boll, S. Dörner, S. Deinert, S. Techert, R. Hoekstra, V. Zamudio-Bayer, R. Lindblad, C. Bülow, M. Timm, B. von Issendorff, J.T. Lau, and T. Schlathöler

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**2160–2172**

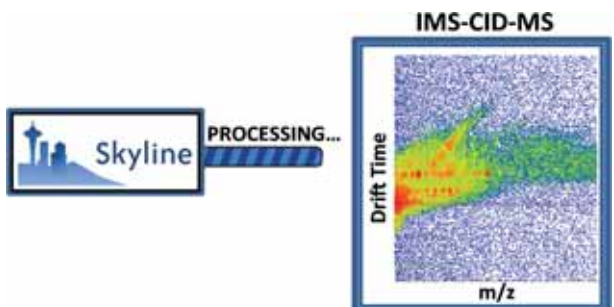
The FUNPET—a New Hybrid Ion Funnel-Ion Carpet Atmospheric Pressure Interface for the Simultaneous Transmission of a Broad Mass Range
B.E. Draper, S.N. Anthony, and M.F. Jarrold

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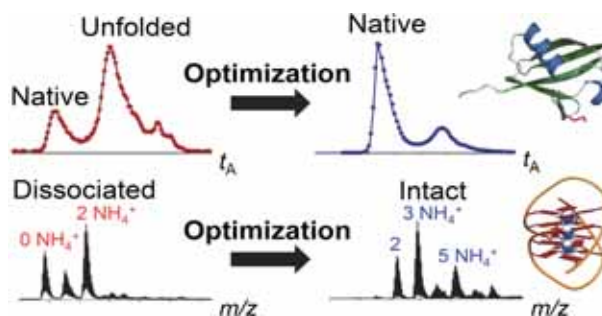
Using Skyline to Analyze Data-Containing Liquid Chromatography, Ion Mobility Spectrometry, and Mass Spectrometry Dimensions
B.X. MacLean, B.S. Pratt, J.D. Egertson, M.J. MacCoss, R.D. Smith, and E.S. Baker



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Optimizing Native Ion Mobility Q-TOF in Helium and Nitrogen for Very Fragile Noncovalent Structures

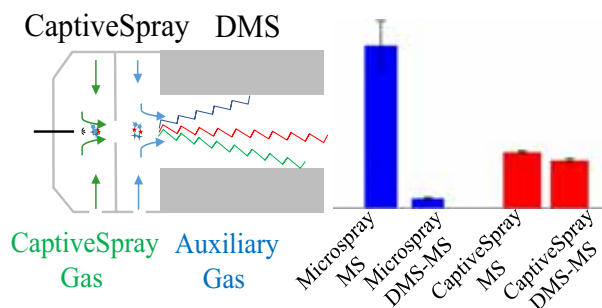
V. Gabelica, S. Livet, and F. Rosu



2199–2207

Performance Enhancements in Differential Ion Mobility Spectrometry-Mass Spectrometry (DMS-MS) by Using a Modified CaptiveSpray Source

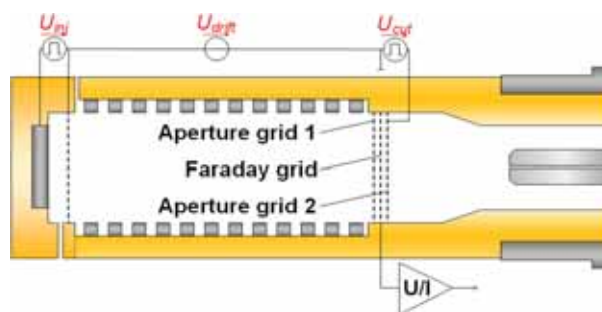
R. Wu, W.-J. Wu, Z. Wang, Y.-L.E. Wong, Y.-L.W. Hung, H.T. Wong, X. Chen, and T.-W.D. Chan



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Coupling of a High-Resolution Ambient Pressure Drift Tube Ion Mobility Spectrometer to a Commercial Time-of-flight Mass Spectrometer

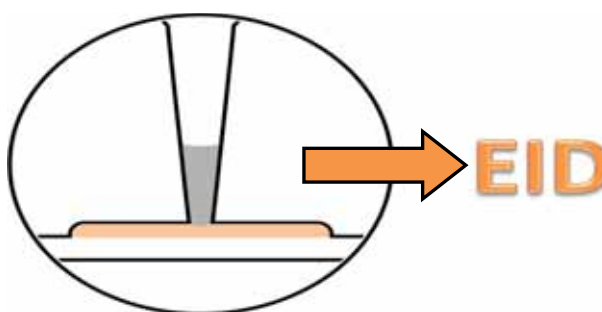
M. Allers, L. Timoumi, A.T. Kirk, F. Schlottmann, and S. Zimmermann



2218–2226

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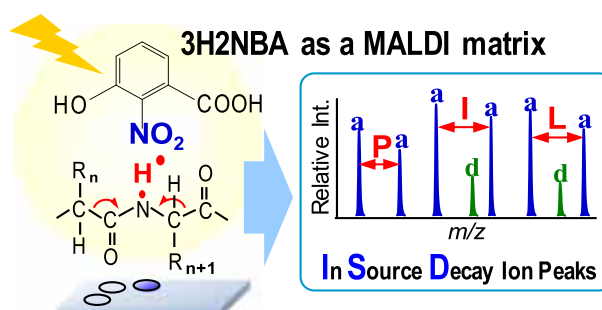
A.F. Lopez-Clavijo, R.L. Griffiths, R.J.A. Goodwin, and H.J. Cooper



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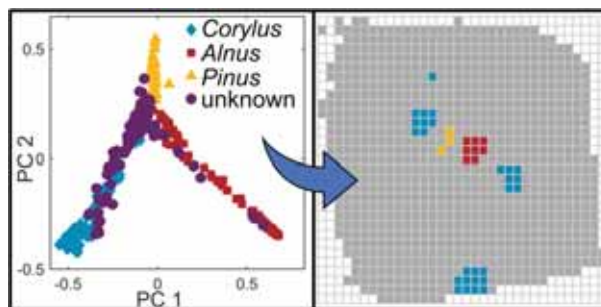
3-Hydroxy-2-Nitrobenzoic Acid as a MALDI Matrix for In-Source Decay and Evaluation of the Isomers

Y. Fukuyama, S. Izumi, and K. Tanaka

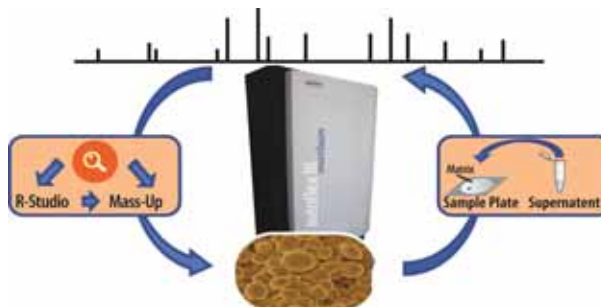


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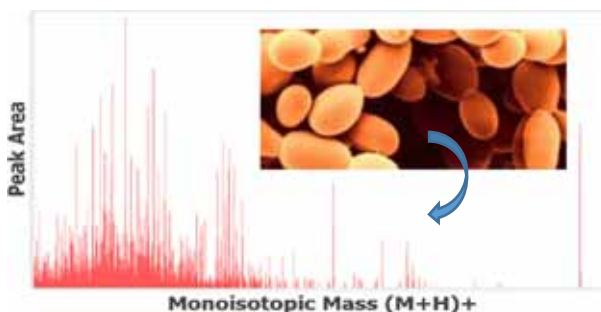
Multivariate Analysis of MALDI Imaging Mass Spectrometry Data of Mixtures of Single Pollen Grains
F. Lauer, S. Diehn, S. Seifert, J. Kneipp, V. Sauerland, C. Barahona, and S. Weidner

**2248–2259**

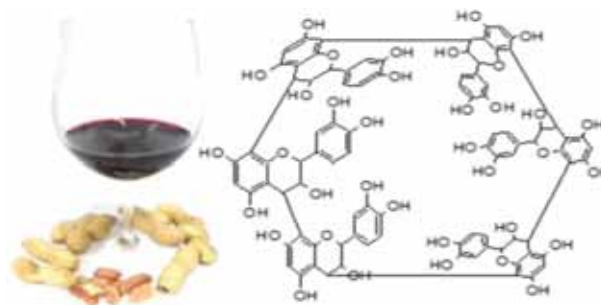
Introducing a Cell-Free Approach for the Identification of Brewing Yeast (*Saccharomyces cerevisiae*) Strains Using MALDI-TOF MS
E. Gorre, C. Muste, and K.G. Owens

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Cell-Free Identification of *S. cerevisiae* Strains by Analysis of Supernatant Using LC-MS
C. Muste and K.G. Owens

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E. Longo, F. Rossetti, V. Merkyte, and E. Boselli

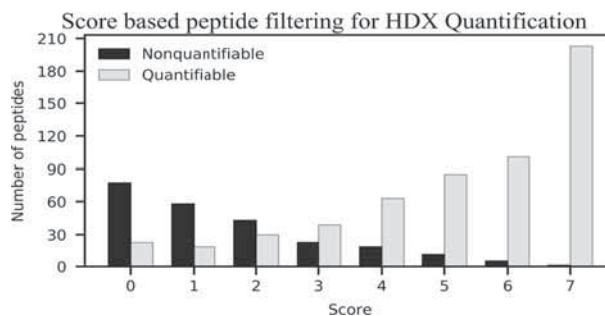


APPLICATION NOTE

2278–2281

Optimized Workflow for Selecting Peptides
for HDX-MS Data Analyses

L. Sørensen and R. Salbo



CORRECTION

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Correction to: Characterization of Long-Chain Fatty Acid
as N-(4-Aminomethylphenyl) Pyridinium Derivative
by MALDI LIFT-TOF/TOF Mass Spectrometry

C. Frankfater, X. Jiang, and F.-F. Hsu