

ASMS NEWS & VIEWS

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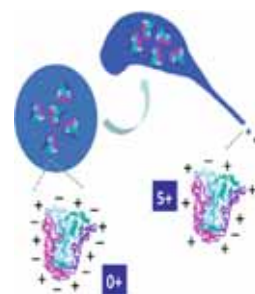
ASMS News & Views
Edited by Gavin Reid

CRITICAL INSIGHT

1675 – 1693

What Protein Charging (and Supercharging) Reveal about the Mechanism of Electrospray Ionization

R.R. Ogorzalek Loo, R. Lakshmanan, and J.A. Loo

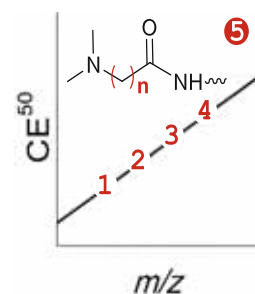


RESEARCH ARTICLES

1694 – 1704

Peptide Dimethylation: Fragmentation Control via Distancing the Dimethylamino Group

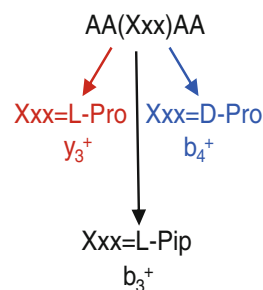
A.J. McShane, Y. Shen, M.J. Castillo, and X. Yao



1705 – 1715

Investigations of the Mechanism of the “Proline Effect” in Tandem Mass Spectrometry Experiments: The “Pipelicolic Acid Effect”

M.D.M. Raulfs, L. Breci, M. Bernier, O.M. Hamdy, A. Janiga, V. Wysocki, and J.C. Poutsma



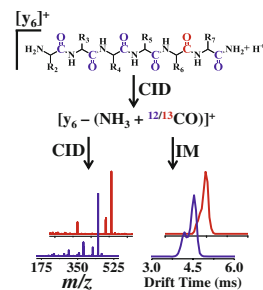
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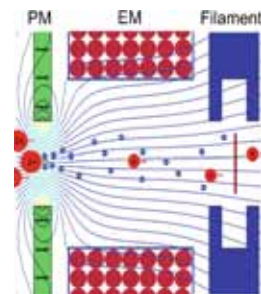
1716 – 1729

Loss of Internal Backbone Carbonyls: Additional Evidence for Sequence-Scrambling in Collision-Induced Dissociation of γ -Type Ions
B. Harper, M. Miladi, and T. Solouki



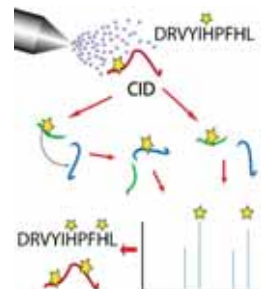
1730 – 1738

ECD of Tyrosine Phosphorylation in a Triple Quadrupole Mass Spectrometer with a Radio-Frequency-Free Electromagnetostatic Cell
V.G. Voinov, S.E. Bennett, J.S. Beckman, and D.F. Barofsky



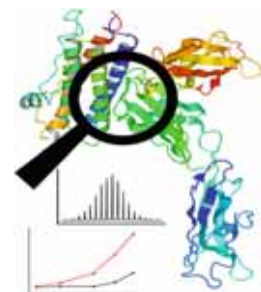
1739 – 1746

Label Scrambling During CID of Covalently Labeled Peptide Ions
N.B. Borotto, N. Degraan-Weber, Y. Zhou, and R.W. Vachet



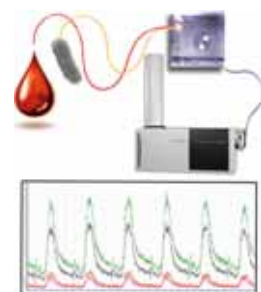
1747 – 1754

Characterization of Stress-Exposed Granulocyte Colony Stimulating Factor Using ELISA and Hydrogen/Deuterium Exchange Mass Spectrometry
D. Tsuchida, K. Yamazaki, and S. Akashi



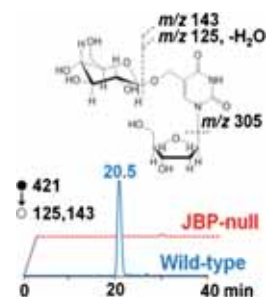
1755 – 1762

Real-Time Digitization of Metabolomics Patterns from a Living System Using Mass Spectrometry
J. Heinemann, B. Noon, M.J. Mohigmi, A. Mazurie, D.L. Dickensheets, and B. Bothner



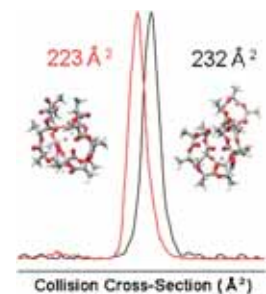
1763 – 1770

Quantitative Mass Spectrometry-Based Analysis of β -D-Glucosyl-5-Hydroxymethyluracil in Genomic DNA of *Trypanosoma brucei*
S. Liu, D. Ji, L. Cliffe, R. Sabatini, and Y. Wang



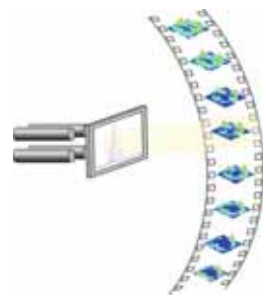
1771 – 1779

Characterization of Polylactides with Different Stereoregularity Using Electrospray Ionization Ion Mobility Mass Spectrometry
K. Kim, J.W. Lee, T. Chang, and H.I. Kim



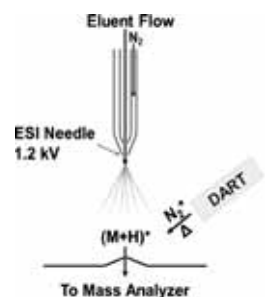
1780 – 1787

Experimental Investigation of the 2D Ion Beam Profile Generated by an ESI Octopole-QMS System
S.U.A.H. Syed, G.B. Eijkel, P. Kistemaker, S. Ellis, S. Maher, D.F. Smith, and R.M.A. Heeren



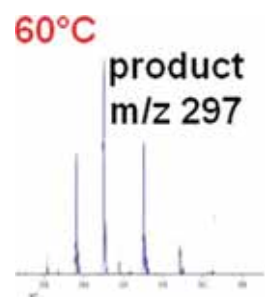
1788 – 1793

Plasma-Spray Ionization (PLASI): A Multimodal Atmospheric Pressure Ion Source for Liquid Stream Analysis
A. Kaylor, P. Dwivedi, J.J. Pittman, M.E. Monge, G. Cheng, S. Li, and F.M. Fernández



1794 – 1802

On-line Monitoring of Continuous Flow Chemical Synthesis Using a Portable, Small Footprint Mass Spectrometer
T.W.T. Bristow, A.D. Ray, A. O'Kearney-McMullan, L. Lim, B. McCullough, and A. Zammataro



1803 – 1809

Evaluation of Sparfloxacin Distribution by Mass Spectrometry Imaging in a Phototoxicity Model

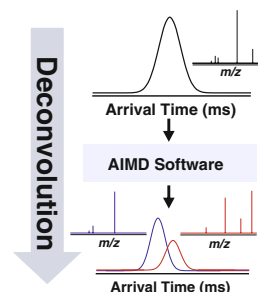
S.M. Boudon, G. Morandi, B. Prideaux, D. Staab, U. Junker, A. Odermatt, M. Stoeckli, and D. Bauer



1810 – 1819

Automated Deconvolution of Overlapped Ion Mobility Profiles

M. Brantley, B. Zekavat, B. Harper, R. Mason, and T. Solouki

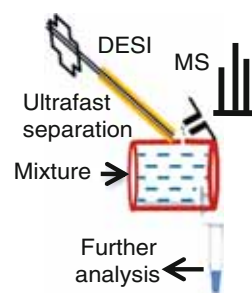


APPLICATION NOTES

1820 – 1823

Coupling of Ultrafast LC with Mass Spectrometry by DESI

Y. Cai, Y. Liu, R. Helmy, and H. Chen



1824 – 1827

Orders of Magnitude Extension of the Effective Dynamic Range of TDC-Based TOFMS Data Through Maximum Likelihood Estimation

A. Ipsen and T.M.D. Ebbels

