

**Cover image caption:** UV-lamp as a facile ozone source for unsaturated lipid analysis, see page 481.

**ASMS NEWS & VIEWS**

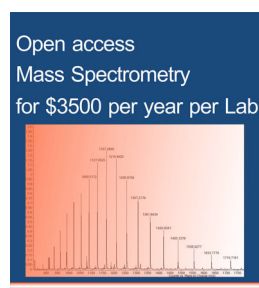
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ASMS News & Views  
Edited by Gavin Reid

**COMMENTARIES**

**439–446**

Operational Experience of an Open-Access, Subscription-Based  
Mass Spectrometry and Proteomics Facility  
N.A. Williamson



**447–454**

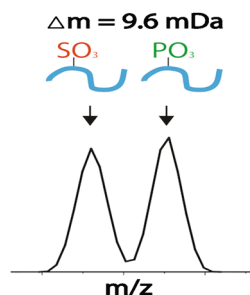
Bibliometric Analyses Reveal Patterns of Collaboration between  
ASMS Members  
M. Palmblad and N.J. van Eck



**RESEARCH ARTICLES**

**455–462**

Distinguishing Sulfotyrosine Containing Peptides  
from their Phosphotyrosine Counterparts Using Mass Spectrometry  
G. Chen, Y. Zhang, J.C. Trinidad, and C. Dann III



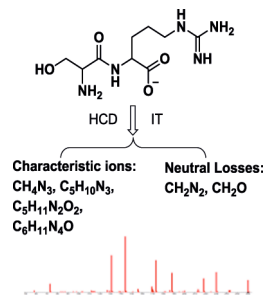
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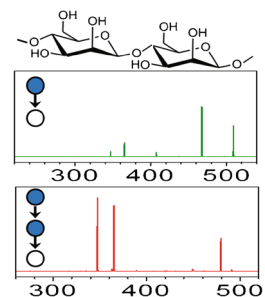
463–469

Collision-Induced Dissociation of Deprotonated Peptides. Relative Abundance of Side-Chain Neutral Losses, Residue-Specific Product Ions, and Comparison with Protonated Peptides  
*Y. Liang, P. Neta, X. Yang, and S.E. Stein*



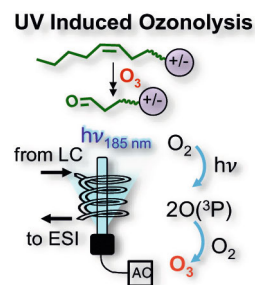
470–480

Simple Approach for De Novo Structural Identification of Mannose Trisaccharides  
*H.C. Hsu, C.Y. Liew, S.-P. Huang, S.-T. Tsai, and C.-K. Ni*



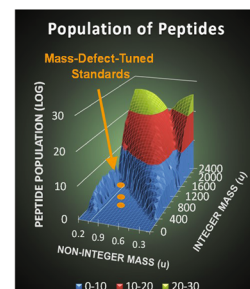
481–489

UV Lamp as a Facile Ozone Source for Structural Analysis of Unsaturated Lipids Via Electrospray Ionization-Mass Spectrometry  
*C.A. Stinson, W. Zhang, and Y. Xia*



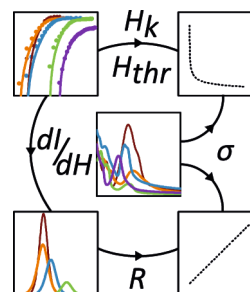
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Iodine-Containing Mass-Defect-Tuned Dendrimers for Use as Internal Mass Spectrometry Calibrants  
*J.A. Giesen, B.J. Diament, and S.M. Grayson*



501–511

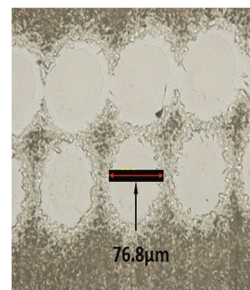
Matrix Optical Absorption in UV-MALDI MS  
*K.N. Robinson, R.T. Steven, and J. Bunch*



512-515

The Effect of Collimating Lens Focusing on Laser Beam Shape in Matrix Assisted Laser Desorption/Ionization Mass Spectrometry (MALDI-MS)

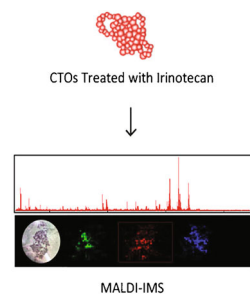
M.B. O'Rourke, B.B.A. Raymond, S.P. Djordjevic, and M.P. Padula



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MALDI Mass Spectrometry Imaging for Evaluation of Therapeutics in Colorectal Tumor Organoids

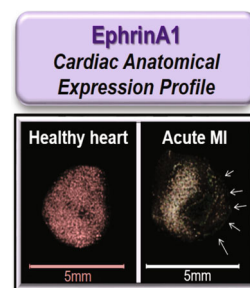
X. Liu, C. Flinders, S.M. Mumenthaler, and A.B. Hummon



527-534

Anatomical-Molecular Distribution of EphrinA1 in Infarcted Mouse Heart Using MALDI Mass Spectrometry Imaging

S. Lefcoski, K. Kew, S. Reece, M.J. Torres, J. Parks, S. Reece, L.E. de Castro Brás, and J.A.I. Virag



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Rapid Quadrupole-Time-of-Flight Mass Spectrometry Method Quantifies Oxygen-Rich Lignin Compound in Complex Mixtures

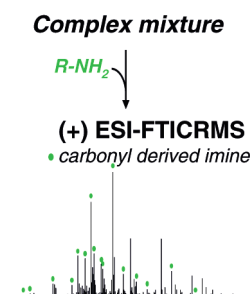
K.S. Boes, M.S. Roberts, and N.R. Vinuesa

mass spec	qual	quant	rapid
QQQ	✗	✓	✓
QTOF	✓	✗	✓
QTOF + chromatography	✓	✓	✗
QTOF + dopant	✓	✓	✓

543-557

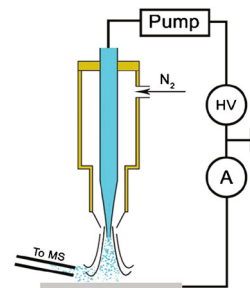
Semi-Targeted Analysis of Complex Matrices by ESI FT-ICR MS or How an Experimental Bias may be Used as an Analytical Tool

J. Hertzog, V. Carré, A. Dufour, and F. Aubriet



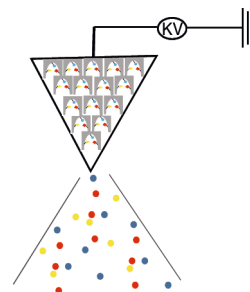
558–565

Probe-Substrate Distance Control in Desorption Electrospray Ionization  
*T.J. Yarger, E.M. Yuill, and L.A. Baker*



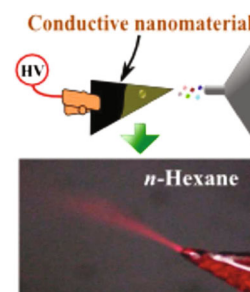
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Paper Spray Tandem Mass Spectrometry Based on Molecularly Imprinted Polymer Substrate for Cocaine Analysis in Oral Fluid  
*L.S. Tavares, T.C. Carvalho, W. Romão, B.G. Vaz, and A.R. Chaves*



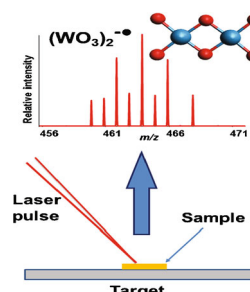
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Analysis of Compounds Dissolved in Nonpolar Solvents by Electrospray Ionization on Conductive Nanomaterials  
*B. Xia, Y. Gao, B. Ji, F. Ma, L. Ding, and Y. Zhou*



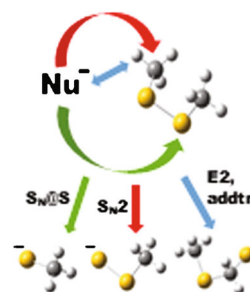
581–587

Matrix Assisted and/or Laser Desorption Ionization Quadrupole Ion Trap Time-of-Flight Mass Spectrometry of  $WO_3$  Clusters Formation in Gas Phase. Nanodiamonds, Fullerene, and Graphene Oxide Matrices  
*M.V. Ausekar, R.M. Mawale, P. Pazdera, and J. Havel*



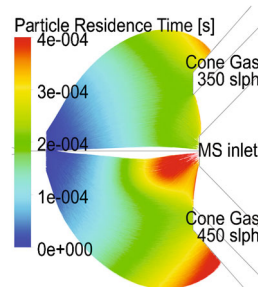
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Gas-Phase Reactions of Dimethyl Disulfide with Aliphatic Carbanions - A Mass Spectrometry and Computational Study  
*B. Franczuk and W. Danikiewicz*



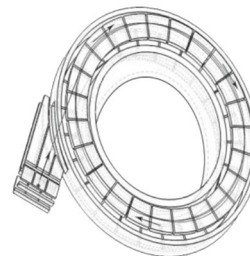
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Numerical Simulation of Ion Transport in a Nano-Electrospray Ion Source at Atmospheric Pressure  
W. Wang, S. Bajic, B. John, and D.R. Emerson



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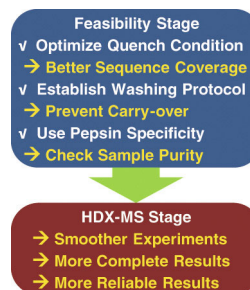
An Orbital Trap Mass Analyzer Using a Hybrid Magnetic-Electric Field: A Simulation Study  
C. Xu, F. Wu, L. Ding, and C.-F. Ding



PROTOCOL

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Optimization of Feasibility Stage for Hydrogen/Deuterium Exchange Mass Spectrometry  
Y. Hamuro and S.J. Coales



OBITUARY

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Robert C. Dunbar (June 26, 1943–October 31, 2017)  
V. Ryzhov and J. Oomens

