

**Cover image caption:** Aerosol Analysis via Ion Mobility-Mass Spectrometry with a Plasma Ion Source, see page 635.

**ASMS NEWS & VIEWS**

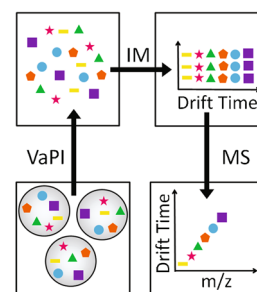
*i-iii*

ASMS News & Views  
Edited by Gavin Reid

**SHORT COMMUNICATION**

**635–639**

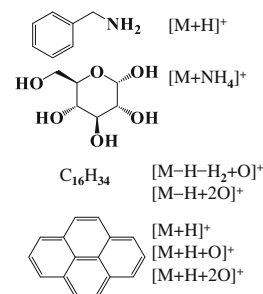
Aerosol Vacuum-Assisted Plasma Ionization (Aero-VaPI) Coupled to Ion Mobility-Mass Spectrometry  
*S.L. Blair, N.L. Ng, S.C. Zambrzycki, A. Li, and F.M. Fernández*



**RESEARCH ARTICLES**

**640–650**

Ionization Mechanism of Positive-Ion Nitrogen Direct Analysis in Real Time  
*L. Song, W.C. Chuah, X. Lu, E. Remsen, and J.E. Bartmess*



Instructions for authors for *The Journal of The American Society for Mass Spectrometry* can be found at [www.springer.com/13361](http://www.springer.com/13361)

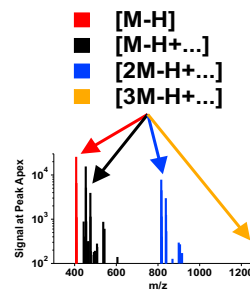
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Journal of the American Society for Mass Spectrometry (ISSN 1044-0305) is published monthly by Springer Science & Business Media, 233 Spring St, 6th Fl., New York, NY. Periodicals postage is pending at New York, NY and additional mailing offices. POSTMASTER: Send address changes to *Journal of The American Society for Mass Spectrometry*, Springer, 233 Spring Street, New York, NY 10013, USA.

## 651–662

Ion-neutral Clustering of Bile Acids in Electrospray Ionization Across UPLC Flow Regimes

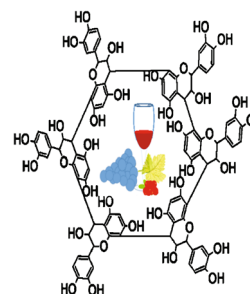
P. Brophy, C.D. Broeckling, J. Murphy, and J.E. Prenni



## 663–674

Isotopic Exchange HPLC-HRMS/MS Applied to Cyclic Proanthocyanidins in Wine and Cranberries

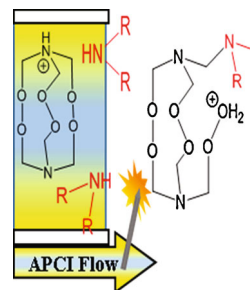
E. Longo, F. Rossetti, M. Scampicchio, and E. Boselli



## 675–684

Using Gas Phase Reactions of Hexamethylene Triperoxide Diamine (HMTD) to Improve Detection in Mass Spectrometry

K. Colizza, A. Yevdokimov, L. McLennan, J.L. Smith, and J.C. Oxley



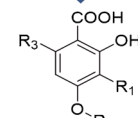
## 685–693

Neutral Loss Scan - Based Strategy for Integrated Identification of Amorfrutin Derivatives, New Peroxisome Proliferator-Activated Receptor Gamma Agonists, from *Amorpha Fruticosa* by UPLC-QqQ-MS/MS and UPLC-Q-TOF-MS

C. Chen, Y. Xue, Q.-M. Li, Y. Wu, J. Liang, and L.-S. Qing

**Amorpha fruticosa**

UPLC-QqQ-MS  
UPLC-Q-TOF-MS

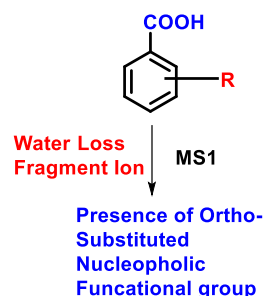


new amorfrutins

## 694–703

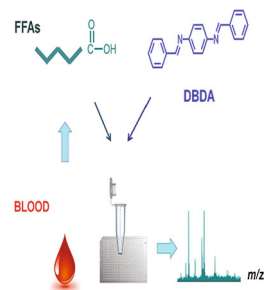
Identification of *ortho*-Substituted Benzoic Acid/Ester Derivatives via the Gas-Phase Neighboring Group Participation Effect in (+)-ESI High Resolution Mass Spectrometry

W.D. Blincoe, A. Rodriguez-Granillo, J. Saurí, N.A. Pierson, L.A. Joyce, I. Mangion, and H. Sheng



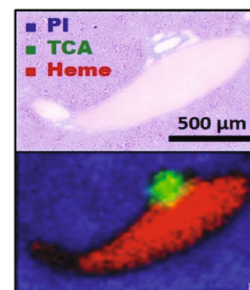
## 704-710

DBDA as a Novel Matrix for the Analyses of Small Molecules and Quantification of Fatty Acids by Negative Ion MALDI-TOF MS  
*L. Ling, Y. Li, S. Wang, L. Guo, C. Xiao, X. Chen, and X. Guo*



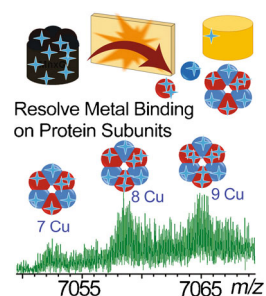
## 711-722

MALDI Mass Spectral Imaging of Bile Acids Observed as Deprotonated Molecules and Proton-Bound Dimers from Mouse Liver Sections  
*I. Rzagalinski, N. Hainz, C. Meier, T. Tschernig, and D.A. Volmer*



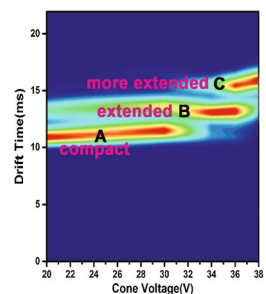
## 723-733

Surface Induced Dissociation Coupled with High Resolution Mass Spectrometry Unveils Heterogeneity of a 211 kDa Multicopper Oxidase Protein Complex  
*M. Zhou, J. Yan, C.A. Romano, B.M. Tebo, V.H. Wysocki, and L. Paša-Tolić*



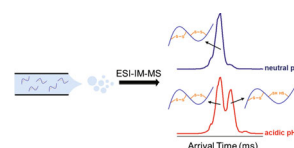
## 734-741

Determining the Effect of Catechins on SOD1 Conformation and Aggregation by Ion Mobility Mass Spectrometry Combined with Optical Spectroscopy  
*B. Zhao, X. Zhuang, Z. Pi, S. Liu, Z. Liu, and F. Song*



## 742-751

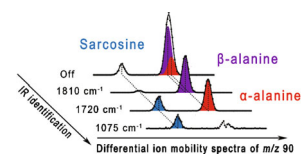
In-Source Reduction of Disulfide-Bonded Peptides Monitored by Ion Mobility Mass Spectrometry  
*B.B. Stocks, and J.E. Melanson*



**752–760**

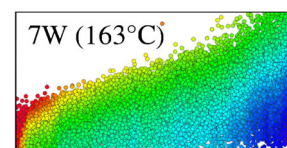
Resolution and Assignment of Differential Ion Mobility Spectra of Sarcosine and Isomers

*F. Berthias, B. Maatoug, G.L. Glish, F. Moussa, and P. Maitre*

**761–773**

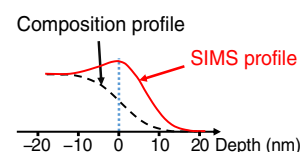
Gas Flow and Ion Transfer in Heated ESI Capillary Interfaces

*L. Bernier, H. Pinfold, M. Pauly, S. Rauschenbach, and J. Reiss*

**774–785**

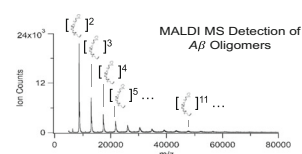
SIMS of Organic Materials—Interface Location in Argon Gas Cluster Depth Profiles Using Negative Secondary Ions

*R. Havelund, M.P. Seah, M. Tiddia, and I.S. Gilmore*

**786–795**

Detection of Amyloid Beta (A $\beta$ ) Oligomeric Composition Using Matrix-Assisted Laser Desorption Ionization Mass Spectrometry (MALDI MS)

*J.S.-H. Wang, S.N. Whitehead, and K.K.-C. Yeung*

**APPLICATION NOTE****796–799**

A Simple Sonication Improves Protein Signal in Matrix-Assisted Laser Desorption Ionization Imaging

*L.-E. Lin, P.-R. Su, H.-Y. Wu, and C.-C. Hsu*

