

**ASMS NEWS & VIEWS**

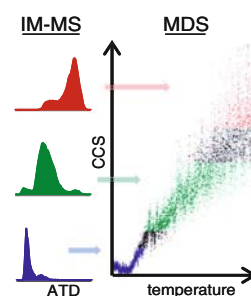
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ASMS News & Views  
Edited by Gavin Reid

**RESEARCH ARTICLES**

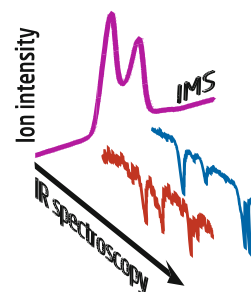
**1433 – 1443**

How Closely Related Are Conformations of Protein Ions Sampled by IM-MS to Native Solution Structures?  
*S.-H. Chen and D.H. Russell*



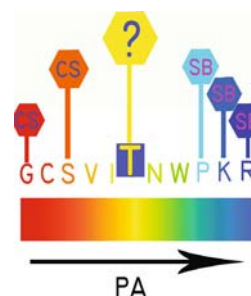
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Infrared Spectroscopy of Mobility-Selected H<sup>+</sup>-Gly-Pro-Gly-Gly (GPGG)  
*A. Masson, M.Z. Kamrath, M.A.S. Perez, M.S. Glover, U. Rothlisberger, D.E. Clemmer, and T.R. Rizzo*



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Structure of Protonated Threonine Dimers in the Gas Phase: Salt-Bridged or Charge-Solvated?  
*H. Yin and X. Kong*



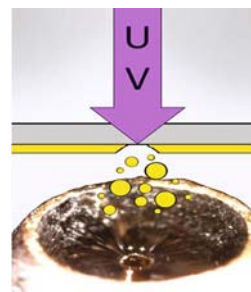
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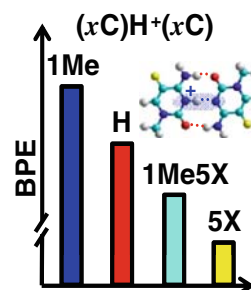
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*J.F. Cahill, V. Kertesz, O.S. Ovchinnikova, and G.J. Van Berkel*



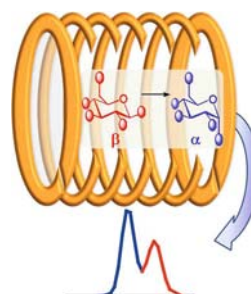
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*B. Yang, R.R. Wu, and M.T. Rodgers*



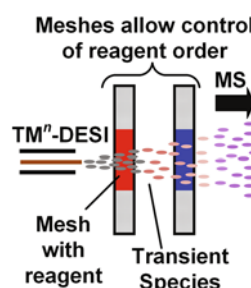
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*C. Chendo, G. Moreira, A. Tintaru, P. Posocco, E. Laurini, C. Lefay, D. Gigmes, S. Viel, S. Pricl, and L. Charles*



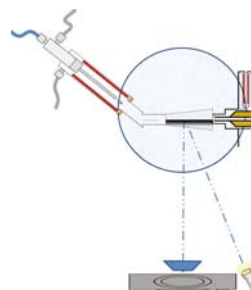
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Multistage Reactive Transmission-Mode Desorption Electrospray Ionization Mass Spectrometry  
*K.C. Peters, T.J. Comi, and R.H. Perry*



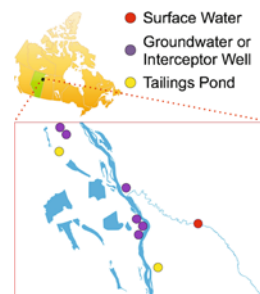
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Characterization of a Direct Sample Analysis (DSA) Ambient Ionization Source  
*G.T. Winter, J.A. Wilhide, and W.R. LaCourse*



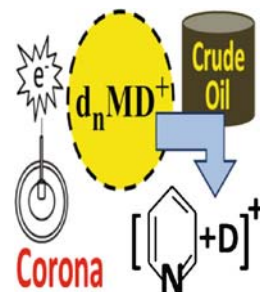
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*M.P. Barrow, K.M. Peru, B. Fahlman, L.M. Hewitt, R.A. Frank, and J.V. Headley*



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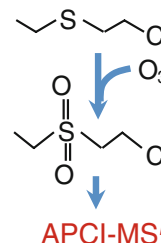
Optimization and Application of APCI Hydrogen–Deuterium Exchange Mass Spectrometry (HDX MS) for the Speciation of Nitrogen Compounds  
*T. Acter, Y. Cho, S. Kim, A. Ahmed, B. Kim, and S. Kim*



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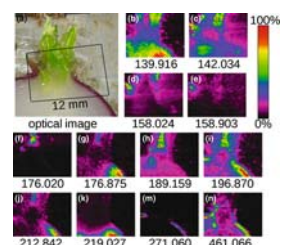
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*A. Okumura*

Mustard-gas simulant



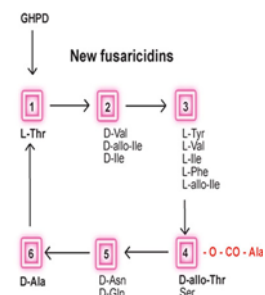
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*J.I. Brauer, I.B. Beech, and J. Sunner*



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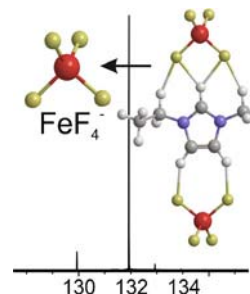
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*J. Vater, B. Niu, K. Dietel, and R. Borriss*



## 1559 – 1569

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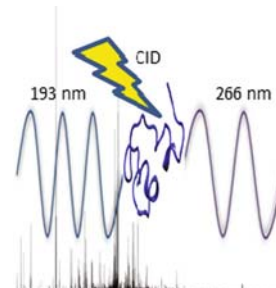
C.A. Zarzana, G.S. Groenewold, M.T. Benson, J. Delmore, T. Tsuda, and R. Hagiwara



## 1570 – 1579

Comparison of Ultraviolet Photodissociation and Collision Induced Dissociation of Adrenocorticotrophic Hormone Peptides

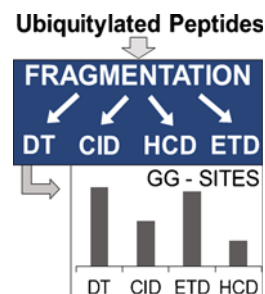
S.A. Robotham and J.S. Brodbelt



## 1580 – 1587

ETD Outperforms CID and HCD in the Analysis of the Ubiquitylated Proteome

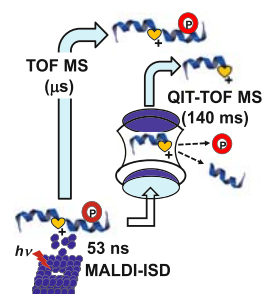
T.R. Porras-Yakushi, M.J. Sweredoski, and S. Hess



## 1588 – 1598

Timeframe Dependent Fragment Ions Observed in In-Source Decay Experiments with  $\beta$ -Casein Using MALDI MS

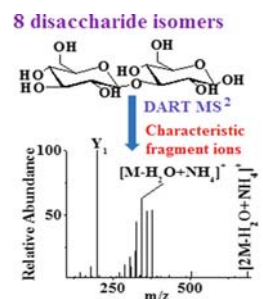
S. Sekiya, K. Nagoshi, S. Iwamoto, K. Tanaka, and M. Takayama



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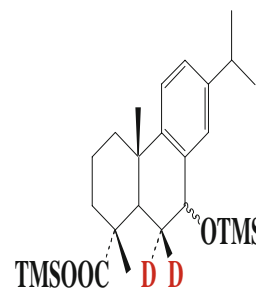
Differentiation of Disaccharide Isomers by Temperature-Dependent In-Source Decay (TDISD) and DART-Q-TOF MS/MS

H. Yang, L. Shi, W. Yao, Y. Wang, L. Huang, D. Wan, and S. Liu



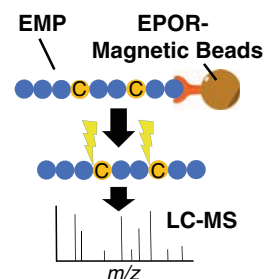
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*J.-F. Rontani, C. Aubert, and S.T. Belt*



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*M. Vogel, A. Thomas, W. Schänzer, and M. Thevis*



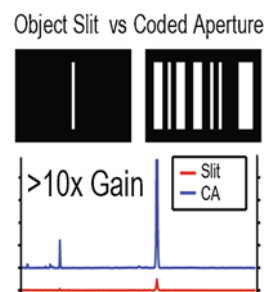
## 1626 – 1632

21 Tesla Fourier Transform Ion Cyclotron Resonance Mass Spectrometer: A National Resource for Ultrahigh Resolution Mass Analysis  
*C.L. Hendrickson, J.P. Quinn, N.K. Kaiser, D.F. Smith, G.T. Blakney, T. Chen, A.G. Marshall, C.R. Weisbrod, and S.C. Beu*



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Order of Magnitude Signal Gain in Magnetic Sector Mass Spectrometry Via Aperture Coding  
*E.X. Chen, Z.E. Russell, J.J. Amsden, S.D. Wolter, R.M. Danell, C.B. Parker, B.R. Stoner, M.E. Gehm, J.T. Glass, and D.J. Brady*



## ERRATUM

## 1641

Erratum to: Color Matters—Material Ejection and Ion Yields in UV-MALDI Mass Spectrometry as a Function of Laser Wavelength and Laser Fluence  
*J. Soltwisch, T.W. Jaskolla, and K. Dreisewerd*