



DART Presentations at ASMS 2019

Monday

MP 203 Fast Screening of Explosives by Direct Analysis in Real Time Mass Spectrometry

MP 226 Chemical differentiation of CITES-Protected Dalbergia Timber using DART/QToF and TSP/GC/MS

MP 447 Analysis of PFASs in environmental waters by DART-MS with coated Dip-it sampling in minutes

MP 632 Molecular characterization of oligomeric pyrolysis compounds of ethyl acrylate-butyl acrylate copolymer using thermal desorption/pyrolysis DART-MS

MOB 2:30 Infrared Thermal Desorption DART-MS of Trace Explosive Fuel-Oxidizer Mixtures: Powders, Propellants, and Pyrotechnics 2:30PM-2:50PM Room B401-402

Workshop - Solid Phase Microextraction Approaches Applied with Mass Spectrometry Techniques
5:45PM-7:00PM Room A313

Tuesday

TP 145 Application of molecular characterization for fluorine polymers using thermal desorption/pyrolysis DART-MS

TP 219 Fatty acid composition analysis for glycerides in edible oils using thermal desorption/pyrolysis DART-QTOFMS

Wednesday

WP 006 A Novel Approach to Simultaneous Quantification of Tropane Alkaloids in Plant Tissue (*Datura* spp.) using DART-HRMS and PLS Linear Regression

WP 009 DART-MS: Enabling Safer Reaction Monitoring and Analysis Conditions with In Hood Vaporization

WP 010 High Throughput 96-Pin Solid Phase Microextraction Array for Direct Analysis in Real Time

WP 016 Nitrogen and Ion Source Parameters: Considerations for Nitrogen Direct Analysis in Real Time

WP 019 Rapid Identification of Wuyi Rock Tea Regions using the Direct Analysis in Real Time (DART) MS System with LiveID

WP 021 A Validated Method for Quantification of Mescaline in Recreationally-abused *Echinopsis* Cacti by Direct Analysis in Real Time Mass Spectrometry

WP 023 Rapid Quantitative Analysis of Six Anti-arrhythmic Drugs in Human Serum Using Direct Analysis in Real Time Mass Spectrometry

WP 027 Wood Discrimination Analyses of *Pterocarpus tinctorius* and Endangered *P. santalinus* Using DART-FTICR-MS Coupled with Multivariate Statistics

WP 028 Direct Analysis in Real Time Mass Spectrometry and Multivariate Data Analysis for Profiling of Chinese Propolis

WOG 3:50 Understanding the Implications of Confined DART-MS: Considerations and Strategies for Optimization 3:50PM-4:10PM Auditorium Bldg A

WOC 3:10 Carrion Insect Species Identification From Multi-species Mixtures of Larvae Using Multi-label Classification of DART-HRMS Data for Postmortem Interval Determination 3:10PM-3:30PM Room B405-407

Workshop - Ambient Ionization: Where We Stand Now and Go from Here 5:45PM-7:00PM Room A314

Thursday

ThP 003 Highly Sensitive and Rapid Screening for Pesticides using Direct Analysis in Real Time Triple Quadrupole Mass Spectrometry

ThP 016 A Comparative Profiling of DHA-rich Oil Products by DESI and DART Mass Spectrometry

ThP 038 Atmospheric pressure dark-current argon discharge ionization with comparable performance to direct analysis in real time mass spectrometry

ThP 542 Rapid determination of progestogens by solid-phase extraction with functionalized metal-organic frameworks coupled to direct analysis in real time mass spectrometry

ThP 004 Detection of ricin and abrin toxin by laboratory-based and portable direct analysis in real-time mass spectrometry (DART-MS)

ThP 008 Molecular characterization of terminal structures for polycarbonates using a thermal desorption/pyrolysis DART-MS

ThP 014 Quantitative Analysis of Linezolid in Human Plasma by DART-MS and its Application to a Pharmacokinetic Study

ThP 028 Areca alkaloids measured from buccal cells using DART-MS serve as accurate biomarkers for betel nut chewing

ThP 185 Seeing Odor – Spatially Resolved Analyses of Volatiles using Sorbent Sheet Extraction prior to DART-MS