

Conference Participations

- 1) 17th Symposium on Separation Sciences, Cluj-Napoca, Romania, September 5-9, 2011.
Use of High Pressure Liquid Chromatography Capabilities for Applications in Food Area
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Invited oral communication
- 2) EUROanalysis 2011, 16th European Conference on Analytical Chemistry, "Challenges in Modern Analytical Chemistry", Congress Center SAVA, Belgrade, Serbia, September 11-15, 2011.
Ultra Fast Separation and High Resolution Capabilities (LCxLC-IT-TOF) for Natural Products Applications.
P. Donato, F. Cacciola, P. Dugo, L. Mondello
Oral communication
- 3) RDPA 2011, Recent Developments in Pharmaceutical Analysis, 14th International Meeting, September 21-24, 2011, Pavia, Italy.
Multidimensional liquid chromatography in combination to mass spectrometry for the analysis of natural products
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Oral communication
- 4) RDPA 2011, Recent Developments in Pharmaceutical Analysis, 14th International Meeting, Pavia, Italy, September 21-24, 2011.
Online comprehensive 2D LC/MS for proteomic analysis.
E. Sommella, F. Cacciola, P. Donato, P. Campiglia, E. Novellino, L. Mondello, P. Dugo
Poster communication
- 5) XXV Congresso Nazionale di Scienze Merceologiche, Trieste-Udine, September 26-28, 2011.
Characterization of the triacylglycerol fraction of Salame S. Angelo PGI by means of HPLC-APCI/MS.
B. Chiofalo, P. Dugo, A. Prandini, F. Cacciola, N. Fawzy, P. Donato, C. Panetta, F. Lo Coco, S. Simonella, L. Mondello
Poster communication
- 6) ExTech 2011 – 13th International Symposium on Advances in Extraction Technologies, Putra World Trade Centre, Kuala Lumpur, Malaysia, September 27-29, 2011.
Solid Phase Microextraction-Comprehensive Gas Chromatography with very fast Quadrupole Mass Spectrometry for the Analysis of water pesticides.
G. Purcaro, F. Franchina, P.Q. Tranchida, P. Dugo, R. Costa, L. Mondello
Poster communication
- 7) 37th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2011 Dalian), Dalian, China, October 8-11, 2011.
Multidimensional Liquid Chromatography: Instrumental Aspects, Method Development and Future Trend.
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Tutorial lecture
- 8) 37th International Symposium on High Performance Liquid Phase Separations and

- Related Techniques (HPLC 2011 Dalian), Dalian, China, October 8-11, 2011.
On-line capillary scale comprehensive 2D-LC system for the analysis of proteome samples.
P. Donato, E. Sommella, F. Cacciola, L. Mondello, P. Dugo
Poster communication
- 9) The 14th Beijing Conference and Exhibition on Instrumental Analysis (BCEIA2011), Beijing, China October 13-16, 2011.
Employment of Comprehensive Two-Dimensional Liquid Chromatography in Combination with Mass Spectrometry for the Analysis of Complex Samples.
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Oral communication
- 10) 5th International Symposium on Recent Advances in Food Analysis, Prague, Czech republic November 1-4, 2011.
Exploiting high pressure conditions in comprehensive two-dimensional liquid chromatography as a novel approach in food analysis.
F. Cacciola, P. Donato, G. Torre, D. Giuffrida, P. Dugo, L. Mondello
Oral communication
- 11) Incontri di Scienza delle Separazioni – Stato dell'arte e prospettive future delle tecniche separative in campo biologico, fitochimico e farmaceutico, Roma, Italy, Novembre 22-23, 2011.
Sviluppo di un sistema multidimensionale nella modalità comprehensive LCxLC per l'analisi di campioni proteoma.
E. Sommella, F. Cacciola, P. Donato, P. Dugo, L. Mondello
Oral communication
- 12) 60th ASMS Conference on Mass Spectrometry and Allied Topics, Vancouver, Canada, May 20 – 24, 2012.
Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high pressure comprehensive two-dimensional liquid chromatography.
M. Mreyen; F. Cacciola; P. Donato; D. Giuffrida; G. Torre; P. Dugo; L. Mondello.
Poster communication
- 13) 60th ASMS Conference on Mass Spectrometry and Allied Topics, Vancouver, Canada, May 20 – 24, 2012.
Analysis of Triacylglycerols in Brevoortia tyrannus (Menhaden) Oil by Non-aqueous reversed Phase Liquid Chromatography in Combination with Mass Spectrometry.
C. T. Santasania; M. Beccaria; F. Cacciola; P. Donato; P. Dugo; L. Mondello
Poster communication
- 14) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Continuous and Stop-Flow Approaches in Comprehensive Two Dimensional Liquid Chromatography
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Oral communication
- 15) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Liquid chromatography in combination with mass spectrometry for lipid analysis.
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Oral communication
- 16) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Enhanced Collection Of Volatile Components By Using A Triple Deans Switch Tridimensional Preparative Capillary Gas Chromatographic System

- D. Sciarrone, S. Pantò, P. Dugo, G. Dugo, L. Mondello
Oral communication
- 17) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Highly Efficient Collection Of Oxygenated Sesquiterpenes By Means Of A Triple
Deans Switch Tridimensional Preparative Capillary Gas Chromatographic System.
S. Pantò, D. Sciarrone, P. Dugo, G. Dugo, L. Mondello
Poster communication
- 18) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
On-Line Capillary Scale Comprehensive Two Dimensional Liquid Chromatography
System For The Analysis Of Proteome Samples.
E. Sommella, F. Cacciola, P. Donato, P. Dugo, P. Campiglia, L. Mondello
Poster communication
- 19) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Implementing On-Line Comprehensive NP-LCxRP-UHPLC Technology For Improved
Identification Of A Complex Foodstuff By Mass Spectrometry
P. Donato, F. Cacciola, G. Torre, P. Dugo, L. Mondello
Poster communication
- 20) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy May 27 – June 1, 2012.
Determination Of Petitgrain Oils Landmark Parameters By Using Gas
Chromatography-Combustion-Isotope Ratio Mass Spectrometry And Enantioselective
Multidimensional Gas Chromatography.
L. Schipilliti, I. Bonaccorsi, D. Sciarrone, L. Dugo, P. Dugo, L. Mondello, G. Dugo
Poster communication
- 21) ChimAISi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods
and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high
pressure comprehensive two-dimensional liquid chromatography.
M. Mreyen, F. Cacciola, P. Donato, D. Giuffrida, G. Torre, P. Dugo, L. Mondello
Poster communication
- 22) ChimAISi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods
and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
Analysis of triacylglycerols in Brevoortia tyrannus (menhaden) oil by non-aqueous
reversed phase liquid chromatography in combination with mass spectrometry.
M. Beccaria, E. Sommella, N. Fawzy, F. Cacciola, P. Donato, P.Q. Tranchida, G.
Dugo, P. Dugo, L. Mondello
Poster communication
- 23) Massa 2012 – Division of Mass Spectrometry – SCI, 40th anniversary, Palermo, July
1-5, 2012.
Mass spectrometric elucidation of carotenoids in complex foodstuff using ultra high
pressure comprehensive two-dimensional liquid chromatography.
P. Donato, F. Cacciola, G. Torre, P. Dugo, L. Mondello
Oral communication
- 24) HPLC 2012 – 38th International Symposium on High Performance Liquid Phase
Separations and Related Techniques, Anaheim, CA (USA), June 16-21, 2012.
New trends in comprehensive two-dimensional liquid chromatography in combination
with mass spectrometry for the analysis of real-world samples.
L. Mondello, P. Donato, F. Cacciola, P. Dugo
Oral communication

- 25) 43rd International Symposium on Essential Oils, ISEO 2011, Lisbona, Portugal, September 5-8, 2012.
Exploiting the alternative selectivity of a novel medium-polar ionic liquid stationary phase
in the gas chromatographic analysis of essential oils.
C. Ragonese, D. Sciarrone, E. Grasso, P. Dugo, L. Mondello
Poster communication
- 26) 29th International Symposium on Chromatography, ISC 2012, Torun, Poland, September 9-13, 2012.
Advanced liquid chromatography techniques for analysis of food lipids
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Invited oral communication
- 27) 29th International Symposium on Chromatography, ISC 2012, Torun, Poland, September 9-13, 2012.
Comprehensive liquid chromatography – mass spectrometry technologies in food analysis
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Short course lecture
- 28) 29th International Symposium on Chromatography, ISC 2012, Torun, Poland, September 9-13, 2012.
Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high pressure comprehensive two-dimensional liquid chromatography
M. Mreyen, F. Cacciola, P. Donato, D. Giuffrida, G. Torre, P. Dugo, L. Mondello
Poster communication
- 29) 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina Italy, September 24-26, 2012.
Determination of phospholipids in milk samples by means of hydrophilic interaction liquid chromatography coupled to evaporative light scattering and mass spectrometry detection.
P. Donato, F. Cacciola, F. Cichello, M. Russo, P. Dugo, L. Mondello
Poster communication
- 30) 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina Italy, September 24-26, 2012.
Comprehensive Two-dimensional Liquid Chromatography Combined with Mass Spectrometric Detection for Phospholipid Analysis
N. Fawzy, F. Cacciola, P. Donato, F. Cichello, P. Dugo, L. Mondello
Poster communication
- 31) 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina Italy, September 24-26, 2012.
Preparative gas chromatography as a powerful extraction tool for the isolation of highly pure components from complex matrices.
S. Pantò, D. Sciarrone, C. Ragonese, L. Tedone, P. Q. Tranchida, P. Dugo, L. Mondello
Oral communication
- 32) 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina Italy, September 24-26, 2012.
Isolation of an unknown compound from the essential oil of *Clausena lansium* (Rutaceae) by means of a tridimensional preparative capillary gas chromatographic

- system.
L. Tedone, S. Pantò, D. Sciarrone, A. Rotondo, P. Dugo, L. Mondello.
Poster communication
- 33) 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina Italy, September 24-26, 2012.
Simultaneous Determination Of Oxygenated Compounds And BTEX In Gasoline By Means Of Multidimensional GC Coupled To MS
D. Sciarrone, C. Ragonese, P. Q. Tranchida, L. Mondello
Poster communication
- 34) 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina Italy, September 24-26, 2012.
Simultaneous Sample Preparation And Characterization Of Biodiesel Blend Fames Exploiting An Ionic Liquid Gas Chromatographic Stationary Phase.
C. Ragonese, P. Q. Tranchida, D. Sciarrone, L. Mondello
Poster communication
- 35) 31st IMMS, Informal Meeting on Mass Spectrometry, Palermo, Italy, May 5-8, 2013.
Advanced analytical Techniques for characterization of bio-active molecules in complex real-world samples.
F. Cacciola, L. Mondello
Oral communication
- 36) 37th International Symposium on Capillary Chromatography, and 10th GCxGC Symposium, Palm Springs, USA, May 12-16, 2013.
High Peak Capacity Separations of Biologically-Important Molecules by Using 2DLCxUHPLC
P. Donato, F. Cacciola, P. Dugo, L. Mondello
Invited oral communication
- 37) 37th International Symposium on Capillary Chromatography, and 10th GCxGC Symposium, Palm Springs, USA, May 12-16, 2013.
Continuous vs. Stop-Flow Online Approaches for Comprehensive Two-dimensional Liquid Chromatography of Lipids.
P. Donato, N. Fawzy, F. Cacciola, M. Beccarla, L. Mondello
Poster oral communication
- 38) 3rd European Lipidomics Meeting, Pardubice, Czech Republic, July 2-4, 2013.
Development of a comprehensive two-dimensional liquid chromatography system combined with mass spectrometry detection for phospholipid analysis.
F. Cacciola, P. Donato, N. Fawzy, P. Dugo, L. Mondello
Oral communication
- 39) 3rd European Lipidomics Meeting, Pardubice, Czech Republic, July 2-4, 2013.
Detailed analysis of the saponifiable and unsaponifiable fractions of animal and vegetable lipids by using comprehensive 2D GC.
P. Q. Tranchida, S. Salivo, I. Bonaccorsi, A. Cotroneo, F. Cacciola, P. Dugo, L. Mondello
Poster communication
- 40) 19th International Symposium on Separation Sciences, Poreč, Croatia, September 25-28, 2013.
Advanced liquid chromatography techniques for the screening of lipid molecules in food.
F. Cacciola, P. Donato, M. Beccaria, P. Dugo, A. Cotroneo, L. Mondello

Oral communication

- 41) 19th International Symposium on Separation Sciences, Poreč, Croatia, September 25-28 2013.
Determination of bio-active polyphenol components of pepper fruit *Capsicum annuum* L. by liquid chromatography coupled to mass spectrometry detection.
Meriem Mokhtar, Jan Soukup, Paola Donato, Francesco Cacciola, Paola Dugo, Ali Riazi, Pavel Jandera, Luigi Mondello
Poster communication
- 42) Workshop Shimadzu "Soluzioni innovative dedicate al settore analitico", Torino, Italy, October 4, 2013.
LCxLC-IT-TOF: applicazioni in campo alimentare.
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Oral communication
- 43) ITP 2013, 20th International Symposium on Electro- and Liquid Phase- Separation Techniques, Tenerife, Canary Islands (Spain), October 6-9, 2013.
Liquid Chromatography and Mass Spectrometry: a powerful tool for lipid analysis.
L. Mondello, P. Donato, M. Beccaria, F. Cacciola, P. Dugo
Invited oral communication
- 44) ITP 2013, 20th International Symposium on Electro- and Liquid Phase- Separation Techniques, Tenerife, Canary Islands (Spain), October 6-9, 2013.
Emerging analytical strategies for the characterization of food bioactives.
P. Dugo, F. Cacciola, P. Donato, J. Soukup, P. Jandera, L. Mondello
Invited oral communication
- 45) 3rd MS Food Day, Trento, Italy, October 9-11, 2013.
Elucidation of the triacylglycerol fraction of menhaden fish oil by using ultra high-pressure NARP-LC/IT-TOF.
P. Donato, I. Bonaccorsi, M. Beccaria, F. Cacciola, G. Sullini, A. Cotroneo, P. Dugo, L. Mondello
Oral communication
- 46) Workshop: Giornata di Studio di Scienza delle Separazioni, Università degli Studi "G. d'Annunzio" Dipartimento di Farmacia, Chieti-Pescara, October 11, 2013.
Sviluppo di tecniche cromatografiche bidimensionali (2D LC/PDA/MS) per l'analisi di matrici complesse: hardware, software ed applicazioni scelte
P. Donato, F. Cacciola, P. Dugo, L. Mondello
Oral communication
- 47) 36° Congresso Nazionale della Società Italiana di Farmacologia, Torino, October 23-26, 2013.
Antioxidant activities of extracts obtained from two wild Algerian medicinal drugs: *Rhamnus alaternus* L. stem bark and *Retama sphaerocarpa* L. fruits.
S. Boussahel, S.S Dahamna, D.Ferrari, F. Cacciola, P. Donato, P. Dugo, L. Mondello, F. Cimino, M. Cristani
Poster communication
- 48) Switzerland Mass Spec Society, Dorint Resort Blüemlisalp Beatenberg, October 31-November 1, 2013.
Development and application of a comprehensive liquid chromatography method coupled to photo-diode array and mass spectrometry detection.
P. Donato, F. Cacciola, P. Dugo, L. Mondello
Oral communication

- 49) Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, November 28-29, 2013.
Sviluppo di metodiche analitiche avanzate per analisi di triacilgliceroli in campioni complessi (oli di pesce)
G. Sullini, M. Beccaria, P. Donato, F. Cacciola, P. Dugo, L. Mondello
Oral communication
- 50) Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, November 28-29, 2013.
Sviluppo di un metodo multidimensionale "LCxLC" per l'analisi di metabolite in sugarcane (*Saccharum officinarum* L.)
G. Mazzi Leme, F. Cacciola, P. Donato, A. J. Cavalheiro, P. Dugo, L. Mondello
Poster communication
- 51) Pittcon Conference & Expo 2014, Chicago, IL, USA, March 2-6, 2014
Multidimensional Liquid Chromatography Approaches in food analysis.
P. Dugo, F. Cacciola, P. Donato, L. Mondello
Invited Oral communication
- 52) NVMS, 50th Anniversary Congress on Mass Spectrometry, Abdij van Rolduc, The Netherlands, April 13-15, 2014
Comprehensive LCxLC-MS-MS: Application to Challenging Food Case-Study
P. Donato, F. Rigano, F. Cacciola, P. Dugo, L. Mondello
Invited Oral communication
- 53) MSB 2014, 30th International Symposium on MicroScale Bioseparations, Pécs, Hungary, April 27 - May 1, 2014
Characterization of organic sulfur compounds in fossil fuels using flow modulated comprehensive two-dimensional gas chromatography and tandem mass spectrometry detector
F. A. Franchina, M. E. Machado, C. Zini, E. B. Caramao, P. Q. Tranchida, F. Cacciola, L. Mondello
Poster communication
- 54) HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Comprehensive Two-Dimensional Liquid Chromatography Coupled To Mass Spectrometry For Food Applications
P. Dugo, F. Cacciola, P. Donato, L. Mondello
Invited Oral communication
- 55) HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Assessing New Liquid Chromatography/Mass Spectrometry Methods for Lipid Evaluation in Health and Disease
P. Donato, F. Cacciola, N. Fawzy, M. Beccaria, P. Dugo, L. Mondello
Poster communication
- 56) HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Development of a NanoLC-EIMS Method for the Analysis of Semi/Non Volatile Chemicals

F. Rigano, M. Russo, D. Sciarrone, P. Donato, P. Dugo, L. Mondello
Poster communication

- 57) HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Reliability of the Δ ECN42 Limit and Global Method for Extra Virgin Olive Oil Purity Assessment using Different Analytical Approaches
M. Beccaria, G. Purcaro, A. Aloisi, A. Marra, P. Donato, L. Conte, P. Dugo, L. Mondello
Poster communication
- 58) HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Identification and Quantification of Bioactive Molecules in Industrial Processing By-products by Means of HPLC/PDA/MS
V. Inferrera, M. Russo, G. Tripodo, P. Donato, P. Dugo, L. Mondello
Poster communication
- 59) HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
On-line Two-dimensional Liquid Chromatography-triple Quadrupole Mass Spectrometry for Enhanced Resolution and Sensitivity: Application to a Challenging Food-case Study I
P. Donato, F. Cacciola, F. Rigano, D. Giuffrida, P. Dugo, L. Mondello
Poster communication
- 60) HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Multidimensional LC Preparative System Coupled with a Mass Spectrometer for Isolation of Bioactive Molecules
M. Russo, V. Inferrera, F. Rigano, P. Donato, P. Dugo, L. Mondello,
Poster communication
- 61) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014
Comprehensive 2D-LC: a rapid evolution of a powerful technique
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Invited Oral communication
- 62) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014
Coupling of new silver thiolate and monodisperse materials in Comprehensive Two-Dimensional Liquid Chromatography for truly orthogonal lipid separation
G. Sullini, P. Donato, M. Beccaria, F. Cacciola, P. Dugo, L. Mondello
Oral communication
- 63) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
"Novel powerful MS strategies in Comprehensive 2D LC"
P. Donato, F. Cacciola, F. Rigano, P. Dugo, L. Mondello
Shimadzu Vendor Seminar

- 64) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Continuous vs. segmented second dimension system gradients for Comprehensive Two-Dimensional Liquid Chromatography of sugarcane (*Saccharum* Spp.)
F. Cacciola, G. Mazzi Leme, P. Donato, A. J. Cavalheiro, P. Dugo, L. Mondello
Poster communication
- 65) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Increase the separation power of Two-Dimensional Liquid Chromatography through the use of shifted gradients for polyphenol determination in red wine
F. Cacciola, P. Donato, F. Rigano, P. Dugo, L. Mondello
Poster communication
- 66) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
The on-line hyphenation of Comprehensive Liquid Chromatography to Triple Quadrupole Mass Spectrometry for the elucidation of the carotenoid content in foodstuffs with high orthogonality and sensitivity
P. Donato, F. Cacciola, F. Rigano, D. Giuffrida, P. Dugo, L. Mondello
Poster communication
- 67) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Determination of polyphenols in *Capsicum annum* L. by liquid chromatography coupled to mass spectrometry detection and evaluation of the biological activity
M. Mokhtar, J. Soukup, P. Donato, F. Cacciola, P. Dugo, A. Riazzi, P. Jandera, L. Mondello
Poster communication
- 68) ExTech 2014, 16th International Symposium on Advances in Extraction Technologies, Crete, Greece, May 25-28, 2014.
Sample Preparation Techniques coupled to Advanced Chromatographic Methods for Marine Organisms Investigation
R. Costa, M. Beccaria, E. Grasso, L. Mondello
Poster communication
- 69) ExTech 2014, 16th International Symposium on Advances in Extraction Technologies, Crete, Greece, May 25-28, 2014.
Comprehensive Gas Chromatography coupled to MS/MS. An additional dimension for complex analysis and easier sample preparation
L. Mondello and M. Beccaria
Shimadzu Vendor Seminar
- 70) ExTech 2014, 16th International Symposium on Advances in Extraction Technologies, Crete, Greece, May 25-28, 2014.
Application of Different Extraction Techniques for the Determination of Triacylglycerols by
Multidimensional Liquid Chromatography in Fish from The Mediterranean Sea
M. Beccaria, R. Costa, E. Grasso, M. Oteri, G. Tripodo, P. Dugo, L. Mondello
Poster communication
- 71) ExTech 2014, 16th International Symposium on Advances in Extraction Technologies, Crete, Greece May 25-28, 2014.
Comparison of Different Extraction Procedures for the GC×GC Investigation of Fats in Fish and Shellfish

- M. Beccaria, R. Costa, E. Grasso, A. Albergamo, L. Mondello
Poster communication
- 72) 8° MS-Pharmaday, Aboca-Sansepolcro, Italy, July 11-13 2014.
Comprehensive liquid chromatography coupled to tandem mass spectrometry for the characterization of polyphenols in mate extracts
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Oral communication
- 73) LC-MS 2014 Corso avanzato sull'accoppiamento della spettrometria di massa con tecniche di separazione in fase liquida, Lucca, Italy, 23-26 Giugno 2014.
Accoppiamento della spettrometria di massa con tecniche di cromatografia liquida multidimensionale
P. Donato, L. Mondello
Oral communication
- 74) 10th European Pesticide Residue Workshop, Dublin, Ireland, June 30th - July 3rd, 2014
Fast and efficient untargeted and targeted analysis of pesticide in food by using a novel high-speed GC and GCxGC-MSMS system
D. Sciarrone, P. Tranchida, L. Mondello
Shimadzu Vendor Seminar
- 75) 10th European Pesticide Residue Workshop, Dublin, Ireland, June 30th - July 3rd, 2014
Fast and Efficient Untargeted and Targeted Analysis of Pesticides in Food by Using a Novel High-Speed GC and GCxGC-MSMS System
D. Sciarrone, P. Tranchida, L. Mondello
Poster communication
- 76) 17th International Carotenoid Symposium, being held in Park City, Utah, USA, June 29- July 4 2014
C50 Carotenoids from the cheese-ripening bacteria *arthrobacter arilaitensis*.
D. Giuffrida, N. Sutthiwong, P. Dugo, P. Donato, F. Cacciola, M. Fouillaud, Y. Caro, L. Dufossé
Poster communication
- 77) 17th International Carotenoid Symposium, being held in Park City, Utah, USA, June 29- July 4 2014
Native carotenoids composition of some fruits from Panama.
D. Giuffrida, D. Menchaca, P. Dugo, P. Donato, F. Cacciola, E. Murillo
Poster communication
- 78) 17th International Carotenoid Symposium, being held in Park City, Utah, USA, June 29- July 4 2014
Bioaccessibility of phytoene and phytofluene from oranges. Effect of squeezing and dietary fat.
G. Tripodo, G. Pumilia, C. M. Stinco, I. M. Vicario, D. Giuffrida, P. Dugo, G. Dugo, A. J. Meléndez-Martínez
Poster communication
- 79) 17th International Carotenoid Symposium, being held in Park City, Utah, USA, June 29- July 4 2014
Study of the carotenoids esters in diverse citrus cultivars.
G. Tripodo, D. Giuffrida, C. M. Stinco, P. Dugo, G. Dugo, I. M. Vicario, A. J. Meléndez-Martínez
Poster communication

- 80) X Congresso Italiano di Chimica degli Alimenti, Firenze, Italy, July 6-10 2014
Native carotenoids composition of some fruits from Panama
D. Giuffrida, D. Menchaca, P. Dugo, P. Donato, F. Cacciola, E. Murillo
Poster communication
- 81) X Congresso Italiano di Chimica degli Alimenti, Firenze, Italy, July 6-10 2014
C50 Carotenoids from the cheese-ripening bacteria *arthrobacter arilaitensis*
D. Giuffrida, N. Sutthiwong, P. Dugo, P. Donato, F. Cacciola, M. Fouillaud, Y. Caro, L. Dufossé
Poster communication
- 82) 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Advanced preparative techniques for the collection of pure components from essential oils
D. Sciarrone, S. Pantò, F. Cacciola, L. Mondello
Invited oral communication
- 83) 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Comprehensive Chromatography (GC×GC, LC×LC, LC-GC×GC/MS) approaches for the analysis of Essential Oils
L. Mondello
Shimadzu Vendor Seminar
- 84) 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Cold-pressed lemon essential oil by-products: enhancement through bioactive molecules isolation.
A. Arigò, M. Russo, M. L. Calabrò, P. Dugo, L. Mondello
Poster communication
- 85) 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Creation of a vapour phase fourier-transform infrared spectroscopy database as a tool for the identification of components in complex mixtures
S. Pantò, D. Sciarrone, M. Maimone, P. Q. Tranchida, P. Dugo, L. Mondello
Poster communication
- 86) Simpósio Brasileiro de Cromatografia e Técnicas Afins (SIMCRO 2014), Campos do Jordão (SP), Brazil, September 4-6, 2014
Liquid chromatography methods for the characterization of aqueous phase from bio-oils
D. Tomasini, F. Cacciola, F. Rigano, D. Sciarrone, P. Donato, M. Beccaria, E. Caramão, P. Dugo, L. Mondello
Poster communication
- 87) 23^o SILAE Congress Marsala, Italy, September 7-12, 2014
Genotype characterization of *helichrysum italicum* (ROTH) G. Don Fil. Subsp. *italicum* by gas chromatography – isotope ratio mass spectrometry.
L. Schipilliti, I. Bonaccorsi, G. Dugo, P. Dugo, L. Mondello
Oral communication
- 88) 23^o SILAE Congress Marsala, Italy, September 7-12, 2014
Comprehensive gas chromatographic (GC×GC) analysis of *artemisia arborescens* L. (ASTERACEAE) from south Italy

- R. Costa; S. Ragusa, I. Bonaccorsi, A. Zanotto, F. A. Franchina, E. Grasso, L. Mondello,
Comuncazione poster
- 89) 23^o SILAE Congress Marsala, Italy, September 7-12, 2014
Artemisia arborescens L. (ASTERACEAE): HPLC determination of flavonoids and evolution of anti-angiogenic effects
M. P. Germanò, M. Russo, G. Certo, E. Grasso, R. Costa, I. Bonaccorsi, S. Ragusa, P. Dugo
Poster communication
- 90) 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria, September 14-18, 2014
Comprehensive two-dimensional gas chromatography mass spectrometry: theory, practical aspects and instrumentation imensional liquid chromatography approaches in food analysis
L. Mondello
Invited oral communication
- 91) 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria, September 14-18, 2014
Combining orthogonal multidimensional liquid chromatography approaches in food analysis
F. Cacciola, P. Donato, F. Rigano, A. Albergamo, P. Dugo, L. Mondello
Oral communication
- 92) 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria, September 14-18, 2014
A powerful four-dimensional separation-science tool: on-line liquid chromatography-comprehensive two dimensional gas chromatography-triple quad mass spectrometry
M. Zoccali, F. A. Franchina, M. E. Machado, C. Zini, E. B. Caramão, P. Q. Tranchida, L. Mondello
Oral communication
- 93) 12th Euro Fed Lipid Congress, Montpellier, France, September 14-17, 2014.
Reliability of the Δ ECN42 Limit and global method for extra virgin olive oil purity assessment using different analytical approaches
M. Beccaria, G. Purcaro, P. Tranchida, P. Dugo, L. Mondello
Poster communication
- 94) XV Congreso Latinoamericano de Cromatografía e Técnicas Afins (COLACRO 2014), Cartagena de Indias, Colombia, September 29-October 3, 2014
Liquid chromatography coupled to a three-dimensional gas chromatography preparative system for the rapid collection of high amounts of pure solutes from natural samples
D. Sciarrone, L. Mondello
Oral communication
- 95) XV Congreso Latinoamericano de Cromatografía e Técnicas Afins (COLACRO 2014), Cartagena de Indias, Colombia, September 29-October 3, 2014
Complementary analytical liquid chromatography methods for the characterization of aqueous phase from pyrolysis of lignocellulosic biomasses
D. Tomasini, F. Cacciola, F. Rigano, D. Sciarrone, P. Donato, M. Beccaria, E. Caramão, P. Dugo, L. Mondello
Poster communication

- 96) Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
GC multidimensionale "comprehensive" con modulazione a flusso: è questo il futuro delle separazioni GC ad alta risoluzione?
P. Q. Tranchida, F. A. Franchina, P. Dugo, L. Mondello
Invited oral communication
- 97) Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Isolamento di molecole biologicamente attive per mezzo di cromatografia liquida preparativa multidimensionale
M. Russo, P. Dugo, L. Mondello
Oral communication
- 98) Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Uso di tecniche cromatografiche multidimensionali preparative per l'isolamento di composti puri da campioni complessi
M. Maimone, S. Pantò, D. Sciarrone, P. Dugo, L. Mondello
Oral communication
- 99) Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Valorizzazione degli scarti dell'industria agroalimentare mediante l'isolamento di molecole bioattive
Arigò, M. Russo, M. L. Calabrò, P. Dugo, L. Mondello
Oral communication
- 100) The 18th Annual Meeting of the Israel Analytical Chemistry Society (ISRA 2015), Tel Aviv, Israel, January 14-15, 2015
Comprehensive Two-Dimensional Gas Chromatography Combined with Single and Triple Quadrupole Mass Spectrometry: Powerful Unified Tools for the Analysis of Food Volatiles
P. Q. Tranchida, F. A. Franchina, P. Dugo, L. Mondello
Oral communication
- 101) Emerging Separation Technologies (ChromSoc), London, March 26, 2015
Comprehensive 2D GC combined with novel MS instrumentation: powerful unified tools for the analysis of complex samples
Luigi Mondello, Peter Q. Tranchida, Flavio A. Franchina, Mariosimone Zoccali
Invited oral communication
- 102) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Flow Modulated Comprehensive 2D Gas Chromatography: A versatile, low-costing and powerful instrument for a deeper insight into food contaminations and complex samples
F.A. Franchina, M. Maimone, P.Q. Tranchida, G. Purcaro, D. Sciarrone, L. Mondello
Poster communication
- 103) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
A Powerful Five-Dimensional Separation-Science Tool: On-line Combination of Liquid Chromatography-Large Volume Injection-Comprehensive Two-Dimensional Gas Chromatography-Triple Quad Mass Spectrometry
M. Zoccali, P. Q. Tranchida, P. Dugo, D. Sciarrone, G. Purcaro, L. Mondello
Poster communication

- 104) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Development of a vapour phase Fourier-transform infrared spectroscopy database for the unequivocal identification of volatiles in complex mixtures
S. Pantò, M. Maimone, D. Sciarrone, G. Purcaro, L. Mondello
Poster communication
- 105) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Cromatoplusspectra and FFNSC Mass Spectral Darabase: A Powerful Coupling of a Unique Chromatographic Software with Integrated Automated LRI Algorithm Function Exploiting the FFNSC MS Database
S. Pantò, G. Purcaro, G. Micalizzi, L. Mondello
Poster communication
- 106) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
NanoLC coupled to an EI-MS system for a fast and affordable identification of semi and non volatile compounds
F. Rigano, D. Sciarrone, G. Purcaro, L. Mondello
Poster communication
- 107) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Use of a Versatile Multidiemnsional LC-GC-GC-GC-PREP System for the rapid and highly Pure Collection of Volatile Components
S. Pantò, D. Sciarrone, M. Maimone, G. Purcaro, L. Mondello
Poster communication
- 108) 1st MS-Wine Day, Bagno a Ripoli, Firenze, April 16-17, 2015
Comprehensive two-dimensional liquid chromatography for determination of polyphenols in Sicilian red wines
Francesco Cacciola, Paola Donato, Paola Dugo, Luigi Mondello
Invited oral communication
- 109) 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Chemical Characterization of Chia (*Salvia Hispanica*) Seed Oil
M. Beccaria, F. Rigano, M. Oteri, G. Bartolomeo, V. Musarra, G. Tripodo, D. Sciarrone, R. Costa, P. Dugo, G. Purcaro, L. Mondello
Poster communication
- 110) 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Determination of the Triacylglycerol Fraction in Fish Oil by Comprehensive Liquid Chromatography Techniques with the Support of Gas Chromatography and Mass Spectrometry
R. Costa, M. Beccaria, F. Cacciola, M. Oteri, F. Franchina, G. Purcaro, P. Dugo, L. Mondello
Poster communication

- 111) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Comprehensive Two-Dimensional Liquid Chromatography-Tandem Mass Spectrometry for Targeted, Untargeted, and Post-targeted Lipidomics
Luigi Mondello, Francesca Rigano, Marco Beccaria, Paola Donato, Paola Dugo
Invited oral communication
- 112) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Low-flow modulation comprehensive 2D GC-high resolution ToF MS: a powerful tool for untargeted, pre- and post-targeted analysis
Peter Q. Tranchida, Simona Salivo, Flavio A. Franchina, Luigi Mondello
Oral communication
- 113) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
GC×GC: a powerful tool for a comprehensive evaluation of food quality, authenticity, and safety
Giorgia Purcaro, Laura Barp, Mariosimone Zoccali, Flavio A. Franchina, Peter Q. Tranchida, Sabrina Moret, Lanfranco S. Conte, Luigi Mondello
Oral communication
- 114) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
NanoLC coupled to an EI-MS system for a fast and reliable identification of lipid components
Francesca Rigano, Giorgia Purcaro, Rosaria Costa, Danilo Sciarrone, Luigi Mondello
Oral communication
- 115) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
On-line combination of liquid chromatography-large volume injection-comprehensive two-dimensional gas chromatography-triple quad mass spectrometry: a powerful 5-D separation-science tool
Mariosimone Zoccali, Peter Q. Tranchida, Paola Dugo, Giorgia Purcaro, Luigi Mondello
Oral communication
- 116) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Concept of (low-)flow modulation comprehensive two-dimensional gas chromatography under sub-ambient, ambient and supra-ambient pressure outlet conditions
Flavio A. Franchina, Mariarosa Maimone, Peter Q. Tranchida, Luigi Mondello
Oral communication
- 117) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
(Low-)flow modulation comprehensive two-dimensional gas chromatography for the determination of suspected allergens in fragrances
Mariarosa Maimone, Flavio A. Franchina, Giorgia Purcaro, Peter Q. Tranchida, Luigi Mondello
Poster communication

- 118) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Performance evaluation of a novel helium ionization detector coupled to (low-)flow modulation comprehensive two-dimensional gas chromatography
Flavio A. Franchina, Mariarosa Maimone, Danilo Sciarrone, Giorgia Purcaro, Peter Q. Tranchida, Luigi Mondello
Poster communication
- 119) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
On-line liquid chromatography for efficient removal of olefins prior to the gas chromatography determination of mineral oil contamination in vegetable oils
Mariosimone Zoccali, Laura Barp, Giorgia Purcaro, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello
Poster communication
- 120) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Direct immersion solid-phase microextraction followed by fast gas chromatography coupled with triple quadrupole mass spectrometry for the analysis of phthalate esters in vegetable oils
Laura Barp, Flavio A. Franchina, Mariosimone Zoccali, Danilo Sciarrone, Peter Q. Tranchida, Giorgia Purcaro, Luigi Mondello
Poster communication
- 121) The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
A novel multidimensional LC-GC-GC-GC-preparative chromatographic system for the rapid isolation of highly pure volatiles
Sebastiano Pantò, Danilo Sciarrone, Peter Q. Tranchida, Mariarosa Maimone, Giorgia Purcaro, Luigi Mondello
Poster communication
- 122) Analytical and Technical Application of Supercritical Fluids'15, Budapest, May 21, 2015
Supercritical Chromatographic Separation of Pepper Carotenoids
M. Utczás, I. Bonaccorsi, V. Inferrera, P. Donato, P. Dugo, L. Mondello
Oral communication
- 123) ASMS 2015, 63rd ASMS Conference on Mass Spectrometry and Allied Topics, St. Louis, Missouri, USA, May 31 - June 4, 2015
On-line LC×LC-MS/MS: a Powerful Unified Separation-science Tool
Paola Donato, Francesca Rigano, Ambrogina Albergamo, Francesco Cacciola, Marco Beccaria, Paola Dugo, Luigi Mondello
Poster communication
- 124) MASSA 2015, Alghero, Italy, June 10-12, 2015
Gas Chromatography Carbon Isotope Ratio Mass Spectrometry (GC-C-IRMS) for Samples' Traceability
Luisa Schipilliti, Ivana Bonaccorsi, Giorgia Purcaro, Luigi Mondello
Invited oral communication

- 125) Flavours and Fragrances Day, Nice, France, June 19, 2015
Advanced On-Line LC-GC-GC-GC Preparative System for the Isolation of High Amounts of Pure Components
Luigi Mondello, Danilo Sciarrone, Sebastiano Pantò, Giorgia Purcaro
Invited oral communication
- 126) HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
Elucidation of the carotenoid composition in food using one- and two-dimensional chromatography coupled to photodiode array and mass spectrometry detection
Luigi Mondello
Invited oral communication
- 127) HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
Design of various gradient elutions in reversed phase×reversed phase liquid chromatography as a powerful tool in complex real-world samples
Francesco Cacciola, Daniele Giuffrida, Giorgia Purcaro, Paola Dugo, Luigi Mondello
Oral communication
- 128) HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
Bioactives screening in fruits and vegetables by liquid chromatography coupled to photo-diode array and mass spectrometry detection
Francesco Cacciola, Ivana Bonaccorsi, Margita Utczas, Francesca Satira, Marina Russo, Daniele Giuffrida, Paola Dugo, Luigi Mondello
Poster communication
- 129) HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
The coupling of partially porous and monodisperse material for total lipid screening by comprehensive liquid chromatography-tandem mass spectrometry
Paola Donato, Rosaria Costa, Marco Beccaria, Francesco Cacciola, Francesca Rigano, Paola Dugo, Luigi Mondello
Poster communication
- 130) HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
HPLC/PDA/MS and preparative HPLC-HPLC/PDA/MS for the characterization and isolation of limonoids in bergamot (Citrus bergamia Risso)
Marina Russo, Adriana Arigò, Paola Dugo, Maria Luisa Calabrò, Paola Donato, Luigi Mondello
Poster communication
- 131) HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
Development of a nanoLC-EI-MS system for a fast and reliable characterization of LC-amenable_compounds
Francesca Rigano, Danilo Sciarrone, Giorgia Purcaro, Luigi Mondello
Poster communication
- 132) RDPA 2015, Recent Developments in Pharmaceutical Analysis, Perugia, Italy, June 28-July 1, 2015
Comprehensive Liquid Chromatography-Tandem Mass Spectrometry for a

Comprehensive Analysis of Lipids in Biological Systems

Paola Donato, Francesca Rigano, Ambrogina Albergamo, Francesco Cacciola, Marco Beccaria, Paola Dugo, Luigi Mondello
Invited oral communication

- 133) RDPA 2015, Recent Developments in Pharmaceutical Analysis, Perugia, Italy, June 28-July 1, 2015
Identification of Potential Nutraceuticals in Waste By-products by liquid chromatography coupled to photo-diode array and mass spectrometry detection
F. Cacciola, I. Bonaccorsi, M. Utczas, F. Satira, M. Russo, D. Giuffrida, P. Donato, P. Dugo, L. Mondello
Poster communication
- 134) RDPA 2015, Recent Developments in Pharmaceutical Analysis, Perugia, Italy, June 28-July 1, 2015
Screening and Isolation of Citrus Bioactives by Preparative Liquid Chromatography Coupled to Photo-diode array and Mass Spectrometry Detection
M. Russo, A. Arigò, P. Dugo, M. L. Calabrò, P. Donato, L. Mondello
Poster communication
- 135) RDPA 2015, Recent Developments in Pharmaceutical Analysis, Perugia, Italy, June 28-July 1, 2015
Applications of comprehensive two-dimensional liquid chromatography-tandem mass spectrometry in the field of lipidomics
P. Donato, R. Costa, M. Beccaria, F. Cacciola, F. Rigano, P. Dugo, L. Mondello
Poster communication
- 136) 21st International Symposium on Separation Science (ISSS 2015), Ljubljana, Slovenia, June 30th - July 3rd, 2015
LC-GC-GC-GC-prep: a new powerful and versatile system for the collection of highly pure volatile from complex samples
S. Pantò, D. Sciarrone, G. Purcaro, L. Mondello
Oral communication
- 137) 21st International Symposium on Separation Science (ISSS 2015), Ljubljana, Slovenia, June 30th - July 3rd, 2015
Lipidomic analysis of biological samples by using one- and multidimensional chromatography coupled to mass spectrometry
Veronica Infrerra, Marco Beccaria, Paola Donato, Giorgia Purcaro, Paola Dugo, Luigi Mondello
Oral communication
- 138) 21st International Symposium on Separation Science (ISSS 2015), Ljubljana, Slovenia, June 30th - July 3rd, 2015
Carbon isotope ratio analysis for the evaluation of vanilla flavour in foodstuffs
Luisa Schipilliti, Sebastiano Pantò, Ivana Bonaccorsi, Giorgia Purcaro, Luigi Mondello
Poster communication
- 139) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Use of the comprehensive gas chromatography (GC×GC) approach in food analysis
Giorgia Purcaro, Laura Barp, Flavio Franchina, Peter Q. Tranchida, Luigi Mondello
Poster communication

- 140) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
(Low-)flow modulation comprehensive two-dimensional gas chromatography under subambient, ambient and supra-ambient pressure outlet conditions
Flavio A. Franchina, Giorgia Purcaro, Mariarosa Maimone, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello
Poster communication
- 141) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Mineral oil determination in vegetable oils: an innovative on-line liquid-gas chromatography method for efficient removal of olefins
G. Purcaro, L. Barp, M. Zoccali, D. Sciarrone, P.Q. Tranchida, L. Mondello
Poster communication
- 142) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Determination of suspected allergens in fragrances by using (low-)flow modulation comprehensive two-dimensional gas chromatography
Giorgia Purcaro, Mariarosa Maimone, Flavio A. Franchina, Peter Q. Tranchida, Luigi Mondello
Poster communication
- 143) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Multidimensional LC-GC-GC-GC-preparative chromatography for the fast isolation of highly pure volatiles
S. Pantò, D. Sciarrone, M. Maimone, G. Purcaro, L. Mondello
Poster communication
- 144) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
A fast and green chromatographic technique for carotenoid identification in foodstuffs
Bonaccorsi, V. Inferrera, M. Utczas, F. Cacciola, P. Donato, P. Dugo, L. Mondello
Poster communication
- 145) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Simultaneous Determination of Bioactives and Contaminants in a Wine Sample by Comprehensive Liquid Chromatography-Triple Quadrupole Mass Spectrometry
Paola Donato, Francesca Rigano, Francesco Cacciola, Paola Dugo, Luigi Mondello
Poster communication
- 146) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Comprehensive lipid profiling of seafood samples by comprehensive liquid chromatography-mass spectrometry
P. Donato, R. Costa, M. Beccaria, P. Dugo, L. Mondello
Poster communication
- 147) 46th International Symposium on Essential Oils, Lublin September 13-16th, 2015
Characterization and isolation of limonoids in by-products of Citrus essential oils industry by means of liquid chromatography
Paola Dugo, Marina Russo, Adriana Arigò, Maria Luisa Calabrò, Luigi Mondello
Invited oral communication

- 148) 46th International Symposium on Essential Oils, Lublin September 13-16th, 2015
Simultaneous multi collection in each chromatographic dimension of highly pure volatiles from complex samples exploiting a versatile LC-GC-GC-GC-prep
D. Sciarrone, S. Pantò, P. Dugo, L. Mondello
Oral communication
- 149) 46th International Symposium on Essential Oils, Lublin September 13-16th, 2015
Characterization of essential oils and plant extracts secondary metabolites by using Gas Chromatography hyphenated to Carbon Isotope Ratio Mass Spectrometry (GC-C-IRMS)
P. Dugo, L. Schipilliti, I. Bonaccorsi, L. Mondello
Poster communication
- 150) 46th International Symposium on Essential Oils, Lublin September 13-16th, 2015
Traceability of vanilla flavoured food by means Head Space-Solid Phase Micro Extraction (HS-SPME) coupled to Gas Chromatography-Isotope Ratio Mass Spectrometry (GC-IRMS)
P. Dugo, L. Schipilliti, I. Bonaccorsi, S. Farnetti, L. Mondello
Poster communication
- 151) 13th Euro Fed Lipid Congress "Fats, Oils and Lipids: New Challenges in Technology, Quality Control and Health", Florence, Italy, September 27-30th 2015
Advanced multidimensional gas chromatographic techniques coupled to mass spectrometry for the analysis of the saponifiable and unsaponifiable fractions of lipids
Franchina Flavio A., Salivo Simona, Piparo Marco, Purcaro Giorgia, Tranchida Peter Q., Mondello Luigi
Poster communication
- 152) 13th Euro Fed Lipid Congress "Fats, Oils and Lipids: New Challenges in Technology, Quality Control and Health", Florence, Italy, September 27-30th 2015
Analytical methods for lipid profiling in biological samples
Veronica Inferred, Marco Beccaria, Francesca Rigano, Flavio A. Franchina, Paola Donato, Giorgia Purcaro, Paola Dugo
Poster communication
- 153) 13th Euro Fed Lipid Congress "Fats, Oils and Lipids: New Challenges in Technology, Quality Control and Health", Florence, Italy, September 27-30th 2015
Elucidation of the free fatty acid profile in mussels *M. galloprovincialis* by a NanoLC-EI-MS system
Francesca Rigano, Ambrogina Albergamo, Marco Beccaria, Simona Salivo, Danilo Sciarrone, Giorgia Purcaro, Peter Q. Tranchida, Luigi Mondello
Poster communication
- 154) XVIII Euro Food Chem, Madrid, Spain, October 13-16, 2015
Recent advances in chromatographic techniques hyphenated to mass spectrometry for food quality assessment
Luigi Mondello
Invited oral communication

- 155) XVIII Euro Food Chem, Madrid, Spain, October 13-16, 2015
Evaluation of complementary analytical systems for analysis of food carotenoids
Daniele Giuffrida, Francesco Cacciola, Margita Utczas, Domenica Mangraviti,
Marco Beccaria, Paola Dugo, and Luigi Mondello
Poster communication
- 156) XV Reunión Científica Sociedad Española de Cromatografía y Técnicas Afines (SECYTA 2015), Castellón de la Plana, Spain, October 27-30, 2015
Comprehensive Two-Dimensional Liquid Chromatography as a powerful tool For Food Applications
Paola Dugo, Francesco Cacciola, Luigi Mondello
Invited oral communication
- 157) 8th Brazilian Symposium on Essential Oils (SBOE) - International Symposium on Essential Oils (ISEO), Rio de Janeiro, Brazil, November 10-13, 2015
Preparative chromatography techniques for the isolation of pure standard components from natural samples
Luigi Mondello, Sebastiano Pantò, Danilo Sciarrone
Invited oral communication
- 158) Convegno CNR Dagli ioni metastabili (1945) alle tecniche MSn: stato dell'arte, novità, innovazione e strumentazione, Roma, 15 dicembre 2015
Hyphenation of novel MS devices with a powerful multidimensional GC pre-separation step for the investigation of complex samples
Marianosa Maimone, Flavio A. Franchina, Peter Q. Tranchida and Luigi Mondello
Oral communication
- 159) International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Hyphenated LC-MS and LC×LC-MS Techniques Reduce the Need for Extensive Sample Preparation for Accurate Analysis of Target Compounds
Paola Dugo, Paola Donato, Francesco Cacciola, Marco Beccaria, Veronica Infrerra, Francesca Rigano, Luigi Mondello
Invited oral communication
- 160) International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Hyphenated Chromatographic Techniques for Complex Analysis of Lipid Samples
Paola Dugo, Paola Donato, Marco Beccaria, Francesco Cacciola, Luigi Mondello
Invited oral communication
- 161) International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Advanced Chromatographic and Mass Spectrometric Approaches for Phospholipid Analysis
Paola Dugo
Invited oral communication
- 162) International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Flow-modulation comprehensive two-dimensional gas chromatography-mass spectrometry using $\approx 4 \text{ mL min}^{-1}$ gas flows
Peter Q. Tranchida, Flavio A. Franchina, Marianosa Maimone, Luigi Mondello
Oral communication

- 163) International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Isolation of unknown molecules from plant extracts exploiting a multidimensional GC-prep system followed by NRM , MS and FTIR for structural identification
Danilo Sciarrone, Sebastiano Panto, Paola Dugo, Luigi Mondello
Oral communication
- 164) International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
(Low-)flow modulation comprehensive two-dimensional gas chromatography for the determination of suspected allergens in fragrances
Mariasosa Maimone, Flavio A. Franchina, Giorgia Purcaro, Peter Q. Tranchida and Luigi Mondello
Poster communication
- 165) International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Concept of (low-)flow modulation comprehensive two-dimensional gas chromatography under sub-ambient, ambient and supra-ambient pressure outlet conditions
Mariasosa Maimone, Flavio A. Franchina, Peter Q. Tranchida, Luigi Mondello
Poster communication
- 166) 31st International Symposium on Chirality, Bordeaux, France, July, 14- 17, 2019
Fabio Salafia, Danilo Sciarrone, Luigi Mondello
Comparison of monodimensional and multidimensional gas chromatography methods for the separation of volatile chiral compounds in mandarin essential oil
Poster Communication
- 167) 31st International Symposium on Chirality, Bordeaux, France, July, 14- 17, 2019
Fabio Salafia, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
Effects on enantiomeric resolutions of chiral pesticides through different conditions of supercritical fluid chromatography
Poster Communication
- 168) 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
Paola Dugo, Luigi Mondello
Advances and application of LC×LC
Short-Course title: LC×LC/MS – Fundamentals and Applications
Invited Oral Communication
- 169) 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
Peter Tranchida, Luigi Mondello
Principles of comprehensive LC×LC
Short-Course title: LC×LC/MS – Fundamentals and Applications
Invited Oral Communication
- 170) 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
F. Rigano, P. Dugo, L. Mondello
Electron Ionization Mass Spectrometry and Linear Retention Index as novel

identification tools in Liquid Chromatography
Invited Oral Communication

- 171) 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
Paola Dugo, Francesco Cacciola, Katia Arena, Luigi Mondello
Comprehensive Two-dimensional Liquid Chromatography for the Analysis of Natural Matrices
Invited Oral Communication
- 172) 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
Peter Q. Tranchida, Ivan Aloisi, Mariosimone Zoccali, Barbara Giocastro, Tiago Schena, Elina Bastos Caramão, Luigi Mondello
Analysis of coconut-derived bio-oil by using flow- and cryogenic-modulation comprehensive 2D gas chromatography-mass spectrometry
Invited Oral Communication
- 173) 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT). Birmingham, UK, September 2-6, 2019
Salerno Tania, Donato Paola, Frison Giampietro, Mondello Luigi
Solid-deposition GC-FTIR for Reliable Identification of NPS on Seized Drugs and Human Urine Samples
Invited Oral Communication
- 174) 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT). Birmingham, UK, September 2-6, 2019
Characterization of 4-chloroethcathinone (4-CEC) by GC-MS, GC-MS after 2,2,2-trichloroethyl chloroformate derivatization, LC-HRAM OrbitrapTM MS, and Solid Deposition GC-FTIR
Zamengo Luca, Frison Giampietro, Bettin Chiara, Zancanaro Flavio, Trovato Emanuela, Mondello Luigi
Poster Communication
- 175) 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT). Birmingham, UK, September 2-6, 2019
Frison Giampietro, Zamengo Luca, Tedeschi Gianpaola, Trovato Emanuela, Salerno Tania, Mondello Luigi
Differentiation of the isomers isomephedrone and mephedrone by GC-MS after 2,2,2-trichloroethyl chloroformate derivatization, LC-HRAM OrbitrapTM MS, and GC-FTIR
Poster Communication
- 176) 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT). Birmingham, UK, September 2-6, 2019
Salerno Tania, Donato Paola, Frison Giampietro, Mondello Luigi
Solid deposition GC-FTIR and LC-FTIR as highly discriminating techniques for forensic toxicology applications
Poster Communication
- 177) 26th International Symposium on Electro-separation and Liquid Phase-Separation Techniques (ITP 2019), Tolouse, France, September 1-4, 2019
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
Characterization of the polyphenolic profile from different cultivars of Brassica juncea by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry

Oral Communication

- 178) 26th International Symposium on Electroseparation and Liquid Phase-Separation Techniques (ITP 2019), Toulouse, France, Septemebr 1-4, 2019
Adriana Arigò, Francesca Rigano, Paola Dugo, Luigi Mondello
Linear Retention Index in Liquid Chromatography: New Approach for the Quality Control of Furocoumarins in Cosmetics and Food
Oral Communication
- 179) XX EuroAnalysis, Istanbul,Turkey, September 1-5, 2019
Paola Donato, Paola Arena, Danilo Donnarumma, Paola Dugo, Luigi Mondello
Investigation of the protein content in waste products from processed tuna fish by means of liquid chromatography-mass spectrometry
Oral Communication
- 180) XX EuroAnalysis, Istanbul,Turkey, September 1-5, 2019
Domenica Mangraviti, Francesca Rigano, Paola Donato, Paola Dugo, Luigi Mondello
High throughput lipidomics analysis by ultra-high performance liquid chromatography combined with a novel dual-filter mass spectral library for identification purposes
Oral Communication
- 181) XX EuroAnalysis, Istanbul,Turkey, September 1-5, 2019
Phenolic fingerprinting in pistachio nuts of different origins by LC×LC-PDA-MS
Katia Arena, Paola Donato, Francesco Cacciola, Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
Poster Communication
- 182) XX EuroAnalysis, Istanbul,Turkey, September 1-5, 2019
Adriana Arigò, Francesca Rigano, Domenica Mangraviti, Paola Dugo, Luigi Mondello
Characterization of oxygen heterocyclic compounds in cosmetics by applying linear retention indices in liquid chromatography
Poster Communication
- 183) 25th International Symposium on Separation Sciences, Lodz, Poland, September 15-18, 2019
Luigi Mondello
Comprehensive two-dimensional liquid chromatography (LC×LC) for the analysis of bioactive compounds from foodstuffs
Invited Oral Communication
- 184) 25th International Symposium on Separation Sciences, Lodz, Poland, September 15-18, 2019
Peter Q. Tranchida, Ivan Aloisi, Mariosimone Zoccali, Barbara Giocastro, Luigi Mondello
A side-by-side evaluation of the performances of cryogenic and pneumatic forms of comprehensive 2D GC modulation
Invited Oral Communication
- 185) 4th EuCheMS Conference on Green and Sustainable Chemistry, Tarragona, Spain, September 22-25, 2019
Fabio Salafia, Mariosimone Zoccali, Daniele Giuffrida, Paola Dugo, Luigi Mondello
Apocarotenoids characterization in human blood samples by using online supercritical fluid extraction-supercritical fluid chromatography-tandem mass

spectrometry
Poster Communication

- 186) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
D. Sciarrone, G. De Grazia, L. Mondello
ADVANCED PREPARATIVE APPROACHES FOR THE COLLECTION AND STRUCTURE ELUCIDATION OF VOLATILE COMPONENTS FROM COMPLEX SAMPLES
Oral Communication
- 187) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
Paola Donato, Danilo Sciarrone, Paola Arena, Paola Dugo, Luigi Mondello
ADVANCED LC-MS-BASED APPROACHES FOR THE INVESTIGATION OF PEPTIDES AND PROTEINS
Oral Communication
- 188) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
M. Zoccali, P.Q. Tranchida, L. Mondello
ON-LINE COUPLED LIQUID CHROMATOGRAPHY– COMPREHENSIVE TWO DIMENSIONAL GAS CHROMATOGRAPHY WITH DUAL DETECTION FOR THE ANALYSIS OF MINERAL OIL IN COSMETICS
Oral Communication
- 189) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
F. Rigano, D. Mangraviti, P. Dugo, L. Mondello
REIMS, A NOVEL AMBIENT MASS SPECTROMETRY METHOD FOR THE REAL-TIME IDENTIFICATION OF FOOD SAMPLES
Oral Communication
- 190) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
Tania M. G. Salerno, Donato Paola, Mondello Luigi
POTENTIAL OF ON-LINE LC-FTIR HYPHENATED TECNIQUE AS A RELIABLE TOOL FOR IDENTIFICATION
Oral Communication
- 191) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
K. Arena, F. Cacciola, P. Dugo, L. Mondello
DETERMINATION OF THE PHENOLIC PROFILE IN BRASSICA JUNCEA OF DIFFERENT SPECIES BY COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY COUPLED TO MASS SPECTROMETRY
Oral Communication
- 192) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
Paola Arena, Paola Donato, Danilo Donnarumma, Paola Dugo, Luigi Mondello
RETRIEVAL AND CHARACTERISATION OF BIOACTIVE PEPTIDES FROM TUNA PROCESSING WASTE BY MEANS OF UHPLC-MS
Oral Communication

- 193) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
Gemma De Grazia, Danilo Sciarrone, Luigi Mondello
PREPARATIVE MULTIDIMENSIONAL GAS CHROMATOGRAPHY COUPLED TO SPECTROSCOPIC ANALYSIS AS A POWERFUL APPROACH FOR THE ISOLATION AND CHARACTERIZATION OF UNKNOWN MOLECULES
Oral Communication
- 194) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
R. La Tella, F. Rigano, P. Dugo, L. Mondello
RAPID AND RELIABLE IDENTIFICATION OF SEMI-VOLATILE COMPOUNDS BY SUPERCRITICAL FLUID CHROMATOGRAPHY COUPLED TO ELECTRON IONIZATION MASS SPECTROMETRY DETECTION
Poster Communication
- 195) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
F. Rigano, D. Mangraviti, P. Dugo, L. Mondello
AUTOMATED SAMPLE PREPARATION WORKSTATIONS COUPLED ONLINE TO LIQUID CHROMATOGRAPHY – TANDEM MASS SPECTROMETRY FOR A COMPREHENSIVE ELUCIDATION OF LIPID PROFILE
Poster Communication
- 196) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
A. Arigò, F. Rigano, P. Dugo, L. Mondello, A. Arigò, F. Rigano, P. Dugo, L. Mondello
LINEAR RETENTION INDEX SYSTEM APPLIED TO LIQUID CHROMATOGRAPHY AS NEW APPROACH FOR THE QUALITY CONTROL OF OXYGEN HETEROCYCLIC COMPOUNDS IN ESSENCES, COSMETICS AND FOOD
Poster Communication
- 197) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
R. La Tella, F. Rigano, D. Mangraviti, P. Dugo, L. Mondello
USE OF AN INTELLIGENT SAMPLING DEVICE (I KNIFE), COUPLED TO RAPID EVAPORATIVE IONIZATION MASS SPECTROMETRY TECHNOLOGY, FOR AUTHENTICITY ASSESSMENT IN PISTACHIO SAMPLES
Poster Communication
- 198) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
B. Giocastro, M. Zoccali, P. Q. Tranchida, L. Mondello
USE OF A NOVEL CONSUMABLE-FREE THERMAL MODULATOR WITHIN THE CONTEXT OF COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY: GAS FLOW OPTIMIZATION ASPECTS
Poster Communication
- 199) 6th MS Food Day, Camerino, Italy, September 25-27, 2019
Francesco Cacciola, Katia Arena, Francesca Rigano, Paola Dugo, Luigi Mondello
Determination of the polyphenolic fraction of food real-world samples by comprehensive two-dimensional liquid chromatography coupled to photodiode array and mass spectrometry detection
Oral Communication

- 200) 17th Euro Fed Lipid Congress And Expo, Seville, Spain, October 20-23, 2019
Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
High throughput lipidomics analysis by high resolution chromatographic techniques combined to mass spectrometry and coupled online to automated sample preparation workstations
Oral Communication
- 201) 17th Euro Fed Lipid Congress And Expo, Seville, Spain, October 20-23, 2019
Giusepppe Micalizzi, Emanuela Ragosta, Paola Dugo, Luigi Mondello
Determination of fatty acid profile in blood collected on DBS sampling support by using a totally automatic GC method
Poster Communication
- 202) Shimadzu & Merck Workshop Analisi degli Alimenti, Bologna, October 22, 2019
Paola Dugo, Luigi Mondello
Carotenoids and apocarotenoids determination in Capsicum species by supercritical fluid extraction-suprcritical fluid chromatography-triple quadrupole/mass spectrometry
Invited Oral Communication
- 203) Shimadzu & Merck Workshop Analisi degli Alimenti, Bologna, October 22, 2019
Paola Dugo, Luigi Mondello
Determinaton of the polyphenolic fraction of Pistacia vera L. Kernel extracts by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection
Invited Oral Communication
- 204) 9th International Symposium on Recent Advances in Food Analysis (RAFA 2019), Prague, Czech Republic, November 5-8, 2019
Danilo Donnarumma, Francesca Rigano, Roberta La Tella, Davide Di Marco, Federica Vento, Luigi Mondello
Identification of high added value molecules from the wastes of tuna fishery industry through MS based analytical methods
Oral Communication
- 205) 9th International Symposium on Recent Advances in Food Analysis (RAFA 2019), Prague, Czech Republic, November 5-8, 2019
Adriana Arigò, Francesca Rigano, Paola Dugo, Luigi Mondello
Reliable Characterization of Furocoumarins in Beverages and Foods through Liquid Chromatography coupled to Triple Quadrupole Mass Spectrometry in combination with the LRI system
Poster Communication
- 206) 6th World Congress on Medicinal and Aromatic Plants for Human and Animal Welfare (WOCMAP VI), Famagusta, Cyprus November 13-17, 2019
Horváth Gy, Simonics D, Balázs V L, Micalizzi G, Mondello L, Kocsis B
Screening of the anti-Haemophilus activity of different lavender oils using TLC
Poster Communication