

TRACE ANALYSIS OF LICIT AND ILLICIT DRUG RESIDUES AND METABOLITES IN COMPLEX ORGANIC MATRICES USING PRESSURISED LIQUID EXTRACTION AND HIGHRESOLUTION LC-MS/MS

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TWENTY-FIVE YEARS OF MICELLAR ELECTROKINETIC CHROMATOGRAPHY

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MULTIDIMENSIONAL GC WITH NMR - EXPERIENCES IN DEVELOPING NEW TECHNICAL CAPABILITIES

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STATIONARY PHASE CHARACTERIZATION IN LIQUID CHROMATOGRAPHY VIA ISOTHERM MEASUREMENT

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LESS COMMON APPROACHES TO SURFACE MODIFIED POROUS POLYMER MONOLITHS

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DEVELOPMENT OF SURFACTANT COATINGS FOR CAPILLARY ELECTROPHORESIS

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THE USE OF "ESI" AND "NON-ESI" ION-SOURCES AND THEIR FUTURE POTENTIAL IN CE-MS

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RECENT PROGRESS IN THE PREPARATION OF ION-EXCHANGE NANOPARTICLE COATED POLYMERIC MONOLITHS

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SHEDDING LED LIGHT ON THE SYNERGIES BETWEEN SEPARATION SCIENCE, MINIATURISATION, PHOTOCHEMISTRY AND PHOTONICS

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BIOLOGICAL PROFILING USING CE/MS TECHNOLOGY: THE PATH TO BETTER DIAGNOSTICS

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SEQUENTIAL STIR BAR SORPTIVE EXTRACTION FOR UNIFORM ENRICHMENT OF TRACE AMOUNTS OF ORGANIC POLLUTANTS IN WATER SAMPLES

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GC-MS AND LC-MS BASED METABOLOMICS TOOLS IN PLANT STRESS RESEARCH

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MICROFLUIDIC SELF-ASSEMBLED MAGNETIC ARRAYS FOR TUMOUR CELL DIAGNOSIS AND PROGNOSIS

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SPICE UP YOUR LIFE WITH SESQUITERPENES: A COMPARISON OF HOLISTIC AND TARGETED GC-MS ANALYSIS OF KEY AROMA COMPOUNDS IN SHIRAZ

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OPTIMISATION OF THE ALKYL CHAIN SPACER LENGTH OF PHENYL STATIONARY PHASES FOR THE INDUSTRIAL SEPARATION OF AROMATIC COMPOUNDS

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SIZE-EXCLUSION CHROMATOGRAPHY (SEC) OF BRANCHED POLYMERS

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DEVELOPMENT OF TEMPERATURE RESPONSIVE IONEXCHANGE RESINS

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IN-LINE SOLID-PHASE EXTRACTION FOR MATRIX ELIMINATION AND PRECONCENTRATION OF TRACE ELEMENT MICRONUTRIENTS IN OCEANIC WATERS FOR DETERMINATION BY ICP-QMS

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PROSPECTS FOR METABOLOMICS *via* LC PLATFORMS – HPLC DETERMINATION OF URINARY METABOLITES FOLLOWING ACUTE AND CHRONIC INGESTION OF A BIOPHENOL-RICH DIETARY SUPPLEMENT

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SINGLE-STEP SAMPLE PREPARATION METHOD FOR THE DETERMINATION OF POLAR ANALYTES FROM COMPLEX AQUEOUS SAMPLES

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PEAK MODELLING IN COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY

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QUANTIFICATION OF BIOLOGICALLY ACTIVE CHEMICALS EXUDED FROM CROP ROOTS AND ITS RELATIONSHIP WITH DENSITY-DEPENDENT SUPPRESSION OF WEEDS

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SWEEPING OF FOOD GRADE ANTIOXIDANTS USING MICROEMULSION ELECTROKINETIC CHROMATOGRAPHY

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SENSITIVE DETECTION OF GLUCORAPHANIN BY MICELLAR ELECTROKINETIC CHROMATOGRAPHY

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DETERMINATION OF THE SURFACE HEAT TRANSFER COEFFICIENT, H_s , IN CAPILLARY ELECTROPHORESIS

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HIGH TEMPERATURE LIQUID CHROMATOGRAPHY WITH MONOLITHIC CAPILLARY COLUMNS AND PURE WATER ELUENT

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LIQUID CHROMATOGRAPHIC APPLICATIONS IN THE BREWING INDUSTRY

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TURBOFLOW TECHNOLOGY, AN ALTERNATIVE SEPARATION TECHNIQUE FOR LC-MS/MS

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PREPARATION AND CHARACTERIZATION OF A CALIX[4]ARENE-MODIFIED SOL-GEL COLUMN FOR OPEN-TUBULAR CAPILLARY ELECTROCHROMATOGRAPHY

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MODELLING AND PREDICTION OF THE SEPARATION OF PHARMACEUTICAL COMPOUNDS BY ION CHROMATOGRAPHY

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GOLD SELECTIVE MAGNETIC ION EXCHANGE RESINS

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ADVANTAGES OF MULTIDIMENSIONAL ION CHROMATOGRAPHY FOR TRACE ANALYSIS

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EFFECT OF ELUENT COMPOSITION AND COLUMN TEMPERATURE ON THE IC CATION SEPARATION

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DETERMINATION OF VOLATILE COMPONENTS AND COMPARATIVE ANALYSIS OF GINSENG SAMPLES USING COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY (GC×GC)

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SCHEDULED MULTIPLE REACTION MONITORING – A NEW PARADIGM IN QUANTITATIVE LC MS/MS ANALYSIS USING THE Q TRAP™ HYBRID QUADRUPOLE - LINEAR ION TRAP MASS SPECTROMETER

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IN-SILICO SIMULATION OF RETENTION IN ION CHROMATOGRAPHY USING MULTI-STEP GRADIENT ELUENT PROFILES

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THE DEVELOPMENT OF NEW METHOD FOR CONTINUOUS DETERMINATION OF THIOCYANATE

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RETENTION TIME LOCKING FOR COMPREHENSIVE TWO DIMENSIONAL GAS CHROMATOGRAPHY

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COMPREHENSIVE 2D GC-QPMS WITH DIFFERENTIAL FLOW MODULATION

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QUANTIFICATION OF (*E,E*)-FARNESOL IN SANDALWOOD ESSENTIAL OILS USING COMPREHENSIVE TWODIMENSIONAL GAS CHROMATOGRAPHIC TECHNIQUES

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DYNAMIC GAS CHROMATOGRAPHIC ANALYSIS OF THE INTERCONVERSION OF Z- AND E-PHENYLACETALDOXIME

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IN SITU MODIFICATION OF MONOLITHIC COLUMNS

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DETERMINATION OF NON-STEROIDAL ANTI-INFLAMMATORY DRUGS IN WATER SAMPLES USING COUNTER FLOW ELECTROKINETIC SUPERCHARGING

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PREPARATION OF REVERSED-PHASE AND CATION-EXCHANGE MIXED-MODE POROUS POLYMER-BASED MONOLITHIC COLUMNS FOR THE SEPARATION OF PHARMACEUTICAL COMPOUNDS BY CAPILLARY LIQUID CHROMATOGRAPHY

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VALIDATION OF A SPE EXPERIMENT FOR CAFFEINE ANALYSIS BY USING GAS CHROMATOGRAPHY

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PHOTO-INITIATED RADICAL POLYMERISATION OF POROUS POLYMER MONOLITHS IN MICROCHIPS WITH LOW-INTENSITY NEAR-UV LIGHT SOURCES

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COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY – QUADRUPOLE MASS SPECTROMETRY WITH DIFFERENTIAL FLOW MODULATION

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SEPARATION AND DETERMINATION OF ECSTASY IN HAIR BY SUSPENDED DROPLET LIQUID PHASE MICROEXTRACTION TECHNIQUE COMBINED WITH HPLC-DAD

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THE VOID VOLUME OF ION-EXCHANGE CHROMATOGRAPHY WITH POLYMER COLUMNS

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ANALYSIS OF AMINO ACIDS AND OTHER TARGET ANALYTES USING ORTHOGONAL ACCELERATION ACCURATE MASS TIME-OF-FLIGHT MASS SPECTROMETRY

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DEVELOPMENT OF A DIGANOSITC TEST FOR TASMANIAN DEVIL FACIAL TUMOUR DISEASE

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ASYMMETRIC LOCATION OF ANIONIC PHOSPHOLIPIDS

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DEVELOPMENT AND VALIDATION OF UPLC METHOD FOR THE DETERMINATION OF SILDENAFIL CITRATE IN PHARMACEUTICAL PREPARATIONS

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ACHIEVING SUB-2 μm LC-MS PERFORMANCE AT MODERATE PRESSURES USING FUSED-CORE PARTICLE TECHNOLOGY

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1,2,5-THIADIAZOLE DENATURATION FOR CAPILLARY POLYMER ELECTROPHORESIS

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DETERMINATION OF THE COMPOSITION OF FATTY ACID MIXTURES USING GC×FI-MS: A COMPREHENSIVE TWO DIMENSIONAL SEPARATION APPROACH

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IDENTIFICATION OF SOURCES OF DIESEL OIL SPILLS USING PARAFAC2: A BRIDGE BETWEEN ASTM AND NORDTEST METHODS

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LIPASE-CATALYZED KINETIC RESOLUTION OF ANTI-INFLAMMATORY DRUGS IN NON-STANDARD ORGANIC SOLVENTS

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PREPARATION AND EVALUATION OF AN SPME FIBER COATED WITH FUNCTIONALIZED LATEX NANO-PARTICLES FOR TRACE ANALYSIS OF ANIONS IN COMPLEX SAMPLES

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HS-LPME IN COMBINATION WITH GC FOR THE TRACE DETERMINATION OF ISOAMYL ACETATE

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IMPROVING THE SENSITIVITY OF ANIONS WITH STATIONARY ISOTACHOPHORETIC BOUNDARIES

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ON-LINE SAMPLE PRECONCENTRATION IN CAPILLARY ELECTROPHORESIS BY ANALYTE FOCUSING BY MICELLE COLLAPSE

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SYNTHESIS OF B-CYCLODEXTRIN MODIFIED MONOLITH AND ITS APPLICATION IN THE ENANTIOMETRIC SEPARATION OF IBUPROFEN

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TWO-DIMENSIONAL ION CHROMATOGRAPHY WITH GRADIENT-PULSE COLUMN SWITCHING

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REVOLUTIONISING LAB ON A CHIP: SYNTHETIC ELECTRODES

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HIGH THROUGHPUT HPLC METHOD DEVELOPMENT FOR BIOTECHNOLOGY RESEARCH

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IDENTIFICATION OF ANIONS IN POST-BLAST RESIDUES FROM IMPROVISED EXPLOSIVE DEVICES – CE AND IC METHODS

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APPLICABILITY OF A HIGH PERFORMANCE CHELATION ION CHROMATOGRAPHIC METHOD TO THE DETERMINATION OF ALUMINIUM IN SEAWATER

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CONDUCTIVITY SIGNAL-ENHANCEMENT FOR THE DETECTION OF ORGANIC IONS

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DEVELOPMENT OF A NOVEL FLUORESCENT TAG O-2-[AMINOMETHYL]FLUORESCIEIN HYDROCHLORIDE TO IMPROVE THE SENSITIVITY OF CAPILLARY ELECTROPHORESIS FOR CARBOHYDRATE ANALYSIS

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INCREASING OF SENSITIVITY FOR NITRATE, NITRITE AND BROMIDE ANALYSIS BY CE IN WATER SAMPLES

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IDENTIFICATION OF FLAVOUR COMPOUNDS IN HERBS AND SPICES USING TWO-DIMENSIONAL GAS CHROMATOGRAPHY

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APPLICABILITY OF HPLC-MS/MS DATA FOR EVALUATION OF BIOMASS YIELD IN PRODUCTION SCALE FERMENTING APPARATUS

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APPLICATION OF GCXGC-TOFMS FOR DETECTION AND CONFIRMATION OF ANABOLIC SUBSTANCES IN DOPING CONTROL

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DEVELOPMENT OF FLOW INJECTION ANALYSIS CAPILLARY ELECTROPHORESIS SYSTEM FOR PRE-BLAST IDENTIFICATION OF INORGANIC-BASED IMPROVISED EXPLOSIVE DEVICES.

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PROPERTIES OF MICRODISPERSE SINTERED NANODIAMONDS AS A STATIONARY PHASE FOR HYDROPHILIC INTERACTION LIQUID CHROMATOGRAPHY

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POLYMER MONOLITH CAPILLARY COLUMNS FOR BORONATE AFFINITY CHROMATOGRAPHY

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PERFORMANCE OF NANOPARTICLES SYNTHESIZED USING AB INITIO RAFT IN EMULSION AS A PSEUDOSTATIONARY PHASE FOR ELECTROKINETIC CHROMATOGRAPHY

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DETERMINATION OF AROMA ACTIVE COMPOUNDS IN BEVERAGES

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DETERMINATION OF AFLATOXINS IN ANIMAL FEEDS USING HPLC WITH FLUORESCENCE DETECTION

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ANALYSIS OF SECOND HAND CIGARETTE SMOKE BY SOLID PHASE MICROEXTRACTION (SPME) AND GCXGC-TOFMS

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EVALUATION OF A MODIFIED QUECHERS METHOD AND GCXGC-ECD FOR DETERMINATION OF POLYBROMINATED DIPHENYL ETHERS IN BABY FOODS

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ENHANCING RESOLUTION OF UNSATURATED PHARMACEUTICAL COMPOUNDS USING A UNIQUE BIPHENYL STATIONARY PHASE

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UTILIZATION OF COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY TIME-OF-FLIGHT MASS SPECTROMETRY (GCXGC-TOFMS) IN FORENSIC TOXICOLOGY APPLICATIONS

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CHARACTERISATION OF THE VOLATILE COMPOSITION OF MARINE SALT BY COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY

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USE OF TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY AND THERMOCHEMOLYSIS – GAS CHROMATOGRAPHY – MASS SPECTROMETRY (LC-THM-GC-MS) FOR CHARACTERIZATION OF LIGNOSULFONATES

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ANALYSIS OF VOLATILE COMPOUNDS IN SALVIAE MILTIORRHIZAE (DANSHEN) BY USING COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY

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PURIFICATION OF PLASMID DNA USING TANGENTIAL FLOW FILTRATION AND ANION-EXCHANGE MEMBRANE CHROMATOGRAPHY

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SILICA NANO-TEMPLATED POLYMERIC MONOLITHS FOR IN-LINE SOLID PHASE EXTRACTION –CAPILLARY ELECTROPHORESIS

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DEVELOPMENT OF A CHROMATOGRAPHIC DETECTION SYSTEM FOR PRE-BLAST IDENTIFICATION OF INORGANIC BASED IMPROVISED EXPLOSIVE DEVICES

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