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Poster Session Thursday 22 Feb 2007

ThPo1. TWO-DIMENSIONAL SEPARATION SCHEMES FOR THE ASSESSMENT OF METAL PROTEIN INTERACTION BY ICP-MS

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ThPo2. PHOSHOPEPTIDE ENRICHMENT STUDIES USING ICPMS

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ThPo3. SEPARATION AND QUANTIFICATION OF PROTEIN MIXTURES WITH THE HYPHENATION OF CAPILLARY HIGH PRESSURE LIQUID CHROMATOGRAPHY AND INDUCTIVELY COUPLED PLASMA-MASS SPECTROMETRY

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ThPo4. COUPLING OF HPLC-ICP-MS AND μ -HPLC-ICP-MS FOR THE DETERMINATION OF CIS-PT ADDUCTS WITH DNA NUCLEOBASES AND STRUCTURAL CHARACTERIZATION BY ESI-Q-TOF

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ThPo5. EFFECT OF SELENIUM-METHYLSELENOCYSTEINE IN HUMAN HEPATOMA HEP G2 CELL LINE. PROTECTION AGAINST OXIDATIVE STRESS AND METHYLMERCURY.

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ThPo6. STUDIES ON THE BEHAVIOR OF MEGLUMINE ANTIMONIATE AND ITS METABOLIC SPECIES IN THE HUMAN BODY

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ThPo7. ON-LINE COUPLING OF GEL ELECTROPHORESIS AND ICP-MS FOR THE DETERMINATION OF FE IN METALLOPROTEINS

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ThPo8. NEW DEVELOPMENTS IN NANOHPCL WITH PARALLEL ICP MS AND ESI MS/MS DETECTION FOR HETEROATOM BASED PROTEOMICS

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ThPo9. NEW APPROACHES TO CISPLATIN METALLOMICS

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ThPo10. CERULOPLASMIN ASSAY BY IMMUNOAFFINITY CHROMATOGRAPHY AND HPLC-ICPMS

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ThPo11. CHARACTERISATION OF CADMIUM BINDING PROTEINS FROM PLANT EXTRACTS BY USE OF HYPHENATED TECHNIQUES

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ThPo12. HYPHENATION OF CAPILLARY LC WITH COLLISION CELL ICP-MS AND ON-LINE MICRO FRACTION COLLECTION FOR MALDI-TOF ANALYSIS

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ThPo13. QUANTITATIVE DETERMINATION OF CD-METALLOTHIONEINS IN PRAWN SAMPLES BY HPLC-ICPMS

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ThPo14. METALLOMICS STUDY OF TISSUE EXTRACTS FROM THE GENETICALLY SEQUENCED *Mus musculus* COMPLEMENTED BY PROTEOMICS AND GENOMICS APPROACHES

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ThPo15. INVESTIGATION OF METALS IN RIBOSOMAL PROTEINS
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ThPo16. CE-ICP-MS FOR STUDYING URANIUM BINDING TO HUMAN TRANSFERRIN AND ALBUMIN SERUM PROTEINS
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ThPo17. DETERMINATION OF MERCURY BINDING BIOMOLECULES USING HPLC COUPLED SIMULTANEOUSLY TO ICP-MS AND ES-MS
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ThPo18. USE OF ISOTOPICALLY LABELED MOLECULAR MERCURY COMPLEXES TO TRACK AND UNRAVEL THE ORIGINS OF THE ARTIFICIAL TRANSFORMATIONS OF MERCURY SPECIES IN NATURAL BIOLOGICAL REFERENCE MATERIALS
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ThPo19. ON-LINE ISOTOPE DILUTION ANALYSIS ICP-MS: THE IDEAL SOLUTION FOR ROUTINE TESTING LABORATORIES
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ThPo20. DETERMINATION OF PRECISE ^{93}Zr CONTENT IN IRRADIATED SAMPLES USING ISOTOPE DILUTION IN AN INDUCTIVELY COUPLED PLASMA MASS SPECTROMETER WITH MULTICOLLECTION. APPLICATION TO THE MEASUREMENT OF THE HALF-LIFE OF ^{93}Zr

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ThPo21. ANALYSIS OF NATURALLY OCCURRING STABLE Fe ISOTOPE RATIOS IN PLANT MATRICES: SAMPLE PREPARATION AND MEASUREMENT TECHNIQUES

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ThPo22. DEVELOPMENT OF AN IN-LINE FI Sr/MATRIX SEPARATION METHOD FOR ACCURATE DETERMINATION OF $^{87}\text{Sr}/^{86}\text{Sr}$ ISOTOPE RATIOS

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ThPo23. COMPARISON AND APPLICATION OF DIFFERENT MULTIPLE ISOTOPE SPIKING APPROACHES FOR THE STUDY OF ORGANOMETALLIC SPECIES REACTIVITY IN THE ENVIRONMENT

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ThPo24. CLINICAL APPLICATIONS OF THE VARIAN 810/820 ICP-MS

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ThPo25. TRACE METALS IN ENVIRONMENTAL SAMPLES: WHAT DO WE DO WITH THE DATA?

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ThPo26. URANIUM ISOTOPE RATIOS DETERMINED BY MC-ICP-MS AND THE ASSESSMENT OF TOTAL COMBINED UNCERTAINTY BUDGETS

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ThPo27. DIRECT ISOTOPE ANALYSIS OF URANIUM AND PLUTONIUM IN RADIOACTIVE PARTICLES USING LA-MC-ICP-MS

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ThPo28. ICPMS WITH COLLISION - REACTION CELL FOR RESOLUTION OF AR₂⁺/SE⁺ INTERFERENCES FOR ANALYSIS OF ⁷⁹SE IN SPENT NUCLEAR FUEL SAMPLES.

STUDY OF COLLISION/REACTION GASES FOR INTERFERENCES RESOLUTION.

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ThPo29. DETERMINATION OF THORIUM, URANIUM AND OTHER ELEMENTS IN NARROWLEAF PLANTAIN (*PLANTAGO LANCEOLATA* L) AND THEIR INFUSIONS

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ThPo30. STUDY OF TRACE ELEMENTS IN PM 10 AIRBORNE PARTICULATE MATTER COLLECTED IN RIO DE JANEIRO, BRAZIL OVER A YEAR

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ThPo31. DIFFERENT SAMPLE PREPARATION APPROACHES FOR THE MULTIISOTOPIC DETERMINATION OF Pu IN SEDIMENTS USING QUADRUPOLE AND SECTOR-FIELD ICP-MS.

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ThPo32. ICP-MS MEASUREMENTS TO CONTROL IRON CONCENTRATION IN ANCIENT POTTERIES

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ThPo33. DETERMINATION OF BURN-UP IN FUELS FOR USE IN NUCLEAR FORENSICS

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ThPo34. ^{234}U AND ^{230}Th DETERMINATION BY FIAS-ICP-MS AND APPLICATION TO URANIUM-SERIES DISEQUILIBRIUM IN MARINE SAMPLES

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ThPo35. APPLICATION OF ICP-QMS FOR THE DETERMINATION OF PLUTONIUM IN ENVIRONMENTAL SAMPLES FOR SAFEGUARDS PURPOSES

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ThPo36. MEASUREMENT OF HIGH-PRECISION ISOTOPE RATIOS FOR MERCURY FROM NORWEGIAN LAKE SEDIMENTS USING COLD-VAPOR GENERATION MULTI-COLLECTOR INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY

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ThPo37. FRACTIONATION OF MERCURY ISOTOPES IN THE ENVIRONMENT AND PRECISE MEASUREMENT OF MERCURY ISOTOPE RATIOS BY MC-ICP/MSH.

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ThPo38. DETERMINATION OF CADMIUM IN STAPLE FOODS BY ISOTOPE DILUTION ICP-MS WITH A CO-PRECIPITATE SEPARATION USING SAMPLE CONSTITUENTS AS A PRECIPITANT

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ThPo39. DETERMINATION OF THE CAESIUM DISTRIBUTION IN HIGH BURNUP FUEL SAMPLES WITH DIFFERENT ANALYTICAL TECHNIQUES

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ThPo40. SYNTHESIS AND CHARACTERISATION OF SULFUR ISOTOPICALLY-LABELLED COMPOUNDS.

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ThPo41. CERTIFYING MERCURY CONCENTRATIONS IN CONCENTRATED ACIDS BY ICP-MS

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ThPo42. ULTRATRACE ANALYSIS OF BIOFLUIDS BY FLOW INJECTION-ICP-MS

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ThPo43. REMOVAL OF SPECTRAL INTERFERENCE IN ISOTOPE DILUTION ANALYSIS WITH ICP-SFMS AND DRC-ICP-MS

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ThPo44. INFLUENCE OF SAMPLE TREATMENT AND STORAGE FOR THE STUDY OF SELENIUM UPTAKE BY FRESHWATER PHYTOPLANKTONIC ALGAE BY HPLC-ICP-CRC-MS COUPLING

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ThPo45. DETERMINATION OF CARBOXYLIC ACIDS, CARBOHYDRATES AND METALS IN DIFFERENT TOMATO CULTIVARS BY HPLC-ICP-AES IN A SINGLE CHROMATOGRAPHIC RUN

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ThPo46. TUNING OF A COLLISION/REACTION CELL-BASED Q-ICP-MS FOR SUPERIOR URANIUM ISOTOPE RATIO ANALYSIS

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ThPo47. ASSESSMENT OF THE ACCURACY OF URANIUM ISOTOPE RATIO MEASUREMENTS PERFORMED BY QUADRUPOLE AND MULTI-COLLECTOR MAGNETIC SECTOR INDUCTIVELY COUPLED PLASMA MASS SPECTROMETERS

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ThPo48. SPACE CHARGE AND MASS DISCRIMINATION EFFECTS ON LEAD ISOTOPE RATIO MEASUREMENTS BY ICP-QMS IN ENVIRONMENTAL SAMPLES WITH HIGH URANIUM CONTENT

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ThPo49. MATHEMATICAL CORRECTION FOR TUNGSTEN OXIDE INTERFERENCE ON MERCURY ISOTOPE RATIO MEASUREMENT BY INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY FOR SAMPLES CONTAINING LARGER AMOUNTS OF TUNGSTEN

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ThPo50. ISOTOPE RATIO MEASUREMENT BY MULTI-COLLECTOR ICP-MS FOR SOURCE APPORTIONMENT OF MERCURY

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ThPo51. LEAD ISOTOPIC ANALYSIS OF CORAL SAMPLES BY MULTIPLE COLLECTOR ICPMS

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ThPo52. URANIUM ANALYSIS IN BLOOD BY INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY

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ThPo53. THE COUPLING OF THE ICP-MS TO CHROMATOGRAPHY: FIT FOR PURPOSE IN THE INDUSTRIAL ROUTINE ANALYSIS?

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ThPo54. METHOD PERFORMANCE STUDY OF ON-LINE INTERNAL STANDARD ADDITION IN INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY

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ThPo55. ACHIEVING LESS THAN 3% UNCERTAINTY ON THE SULFUR CONTENT DETERMINATION IN LOW SULFUR PETROL SAMPLES CONTRIBUTION TO THE CERTIFICATION OF ERM-EF211, - EF212, - EF213

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ThPo56. DIRECT DETERMINATION OF Te AND REE IN SEA-ICE USING AN ICP-SFMS COUPLED WITH A DESOLVATION SYSTEM

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ThPo57. ULTRA-TRACE LEVEL Ra-226 ANALYSIS BY ISOTOPE DILUTION INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY

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ThPo58. DIRECT ELEMENTAL ANALYSIS OF BIODIESEL BY INDUCTIVELY COUPLED PLASMA-MASS SPECTROMETRY

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ThPo59. DETERMINATION OF GLOBAL FALLOUT PLUTONIUM ISOTOPES USING SECTOR-FIELD ICP-MS FOR RAPID DATING OF RECENT SEDIMENTS IN HONGFENG AND CHENGHAI LAKES, SW CHINA

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ThPo60. ELEMENTAL AND ISOTOPIC STUDIES ON URANIUM-CONTAMINATED SOILS -USE OF FLOW INJECTION AND FIELD FLOW FRACTIONATION TECHNIQUES.

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ThPo61. ANALYSIS OF SULFUR BY ICP-QMS: QUANTITATIVE EVALUATION OF HETEROATOM-PROTEIN STOICHIOMETRY.

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ThPo62. MULTI-ELEMENT ANALYSIS OF HUNGARIAN WINES BY COLLISION CELL ICP-MS AND THEIR CLASSIFICATION ACCORDING TO GEOGRAPHICAL ORIGIN

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ThPo63. MC-ICPMS DELTA-SCALE MEASUREMENTS DOWN TO 0.005%. VALIDATION USING GRAVIMETRIC REFERENCE VALUES FOR CANDIDATE IRMM Pb δ -iCRM

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ThPo64. NOVEL APPROACH FOR DETERMINATION OF TRACE METALS IN SUSPENDED SOLIDS OF SURFACE WATER BY ICP-SFMS

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ThPo65. CHARACTERISATION OF COPPER STRESS IN *ARABIDOPSIS THALIANA* BY ICP MS & ESI MS COUPLED TO HPLC

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ThPo66. HIGH-PRECISION CALCIUM ISOTOPE RATIO MEASUREMENT FOR BIOLOGICAL MATERIALS USING MULTIPLE COLLECTOR-ICP-MS

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ThPo67. A NEW ENZYME-ASSAY FOR PLA₂ ACTIVITY IN JELLYFISH VENOM BASED ON PHOSPHORUS DETECTION USING HPLC-CC-ICP-MS

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ThPo68. THE POTENTIAL OF GEL ELECTROPHORESIS COUPLED TO ICP-MS FOR THE DETERMINATION OF CISPLATIN-OLIGONUCLEOTIDE ADDUCTS

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ThPo69. PROVENANCE DETERMINATION OF METALLIC OBJECTS FROM THE ARCHAEOLOGICAL SITE ED-DUR (UMM AL-QAIWAIN, U.A.E.) BY MEANS OF LEAD ISOTOPE RATIO ANALYSIS USING SINGLE COLLECTOR – ICP – DYNAMIC REACTION CELL – MASS SPECTROMETRY

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ThPo70. PLAYING WITH IRON ISOTOPES TO OBTAIN ANALYTICAL INFORMATION OF CLINICAL RELEVANCE IN SERA SAMPLES

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ThPo71. MEASUREMENT OF STRONTIUM ISOTOPE RATIOS BY ON-LINE Rb-Sr ION CHROMATOGRAPHY SEPARATION COUPLED TO MC-ICP-MS

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ThPo72. INITIAL STUDIES ON ISOELECTRIC FOCUSSING GEL ELECTROPHORESIS COUPLED ONLINE TO ICP-MS

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ThPo73. APPLICATION OF SPECIES-SPECIFIC ISOTOPIC DILUTION ANALYSIS ON THE CORRECTION OF SELENOMETHIONINE OXIDATION IN Se-ENRICHED YEAST SAMPLE EXTRACTS

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ThPo74. INVESTIGATION OF ISOTOPE FRACTIONATION AND COMPOSITION VARIATION EFFECT IN DEFORMED DOUBLE CHAMBER HUNTING MUNITION BY ICP-MS

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ThPo75. COUPLING OF GC AND LC TO MULTICollector ICPMS TO DETECT ISOTOPIC VARIATIONS IN COMPLEX MIXTURES

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ThPo76. COMPLEMENTARY SPECIATION OF OXALIPLATIN IN HUMAN URINE

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ThPo77. DETERMINATION OF PLATINUM GROUP ELEMENTS IN ENVIRONMENTAL MATERIALS BY ISOTOPE DILUTION ICP-MS USING ON-LINE MATRIX SEPARATION

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ThPo78 LASER ABLATION ICP OPTICAL EMISSION SPECTROMETRY ANALYSIS OF SEMICONDUCTOR COMPONENTS AS SPECIFIED BY WEEE AND ROHS COMPLIANCE

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ThPo79 THE DETERMINATION OF HALOGENS BY INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROSCOPY IN ULTRALOW UV WAVELENGTH RANGE

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