

| Mass spectrometry methods applied on Food Safety Studies | | | |
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| | Instrumentation | Sample preparation Method | Sample |
| 1 | UHPLC-LTQ Orbitrap MS | QuEChERS | Honey |
| 2 | UHPLC-LTQ Orbitrap MS/ GC-MS | QuEChERS | Oil |
| 3 | UHPLC-LTQ Orbitrap MS | QuEChERS | Wine |
| 4 | UHPLC-LTQ Orbitrap MS | QuEChERS | Milk |
| 5 | UPLC-MS/MS (QTOF or QqQ) | LLE/SPE | foods |
| 6 | GC-MS/MS | LLE/SPE | foods |
| 7 | LC-MS/MS | LLE/SPE | foods |
| 8 | RPLC-MS/MS | SLE | Fish tissue, porcine, poultry meat |
| 9 | RPLC-MS/MS | SLE/UAE | Milk powder, butter, fish tissue and eggs |
| 10 | UHPLC-QTOF MS | fish: SLE/UAE milk: LLE/SPE | Milk and fish tissue |
| 11 | HILIC-MS/MS | SLE | Bovine muscle tissue |
| 12 | HILIC-MS/MS | SLE/dSPE | Animal tissues and eggs |

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| Purpose |
| Pesticide Residues |
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| Determination of NIAS in Foods and food contact materials |
| Determination of endocrine disruptors in Foods |
| Determination of endocrine disruptors (including Bisphenol) in Foods |
| Veterinary drug residues (17 sulfonamides and 5 tetracyclines) |
| Veterinary drugs and pharmaceutical residues (115 compounds) |
| Veterinary drugs and pharmaceutical residues (143 compounds) |
| Veterinary pharmaceuticals (76 compounds, 13 classes) |
| Coccidiostats (16 compounds) |