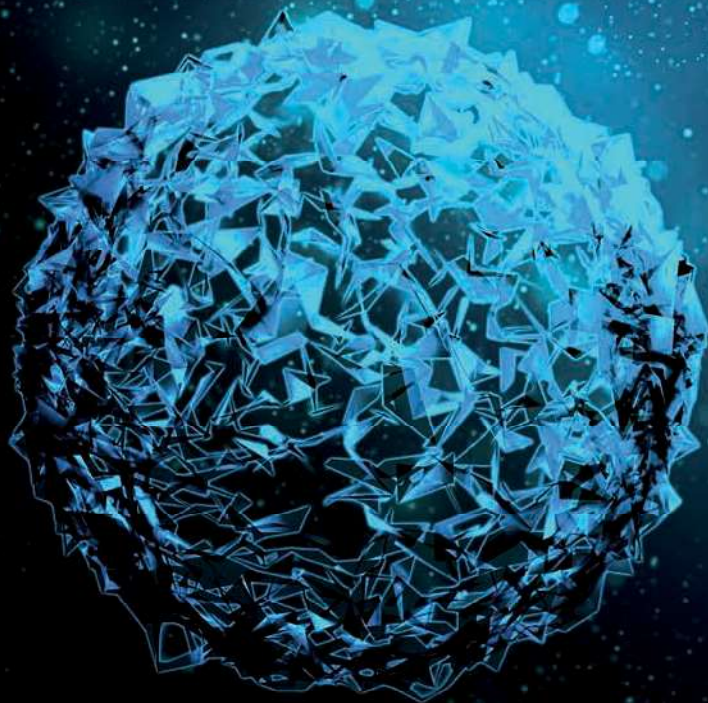


# Ultra-High Resolution QTOF Mass Spectrometry

## Outstanding accurate mass capabilities

*Obtaining the most complete and true picture of a sample set is a consistent goal. Complex sample matrices demand ever higher levels of sensitivity and speed to truly advance scientific knowledge. However, there are everyday practical realities that are required to be routinely overcome. The outstanding dynamic range, high mass accuracy, and MS/MS performance enable Bruker's UHR QTOF MS systems to deliver confident, reliable results for both targeted analytical testing and broader discovery research applications.*





## ESI QTOF

Our ESI QTOF mass spectrometers are the showcase instrument platform for life science research, drug discovery and development, and screening applications involving the analysis of both targeted and unknown compounds in complex matrices. The systems provide cutting edge performance in one-shot analysis for identification and quantitation from small molecules up to high MW antibodies, and the dynamic source configuration offers significant analytical versatility.



**compact**

resolution:	30,000
scan speed:	1-50 Hz (MS & MS/MS)
fragmentation:	CID
source:	All systems can have ESI, APCI II, APPI II, ionBooster, GC APCI, DirectProbe DIP, CaptiveSpray
size [mm]:	624 x 510 x 1240



**impact II**

resolution:	60,000
scan speed:	1-50 Hz (MS & MS/MS)
fragmentation:	CID
source:	All systems can have ESI, APCI II, APPI II, ionBooster, GC APCI, DirectProbe DIP, CaptiveSpray
size [mm]:	1200 x 800 x 1980



**maxis II**

resolution:	80,000
scan speed:	1-50 Hz (MS & MS/MS)
fragmentation:	CID, ETD
source:	All systems can have ESI, APCI II, APPI II, ionBooster, GC APCI, DirectProbe DIP, CaptiveSpray
size [mm]:	1320 x 800 x 2845



## QTOF Solution

### TargetScreener - Get the Complete Picture

Routine Forensic or Food Safety laboratories are frequently required to perform comprehensive screening of complex samples to identify residues, contaminants or toxicants. This is a very challenging task due to the enormous number of analytes covered, their wide range of concentration and the complexity of sample matrices tested. There is high requirement for analytical certainty in the accuracy and completeness of the results to ensure that they will stand up to any scrutiny.