



# High-Resolution and Ultra-High-Resolution MS



- **F**ourier Transform-Ion Cyclotron Resonance MS (7.0 T) with multiple sources, e.g. EI, ESI, APCI, MALDI
- **A**utomated sample processing via CTC PAL for ESI and APCI
- **M**ass Accuracy < 2ppm with external calibration for standard analyses
- **U**ltra-High-Resolution MS with resolution up to  $3 \cdot 10^6$
- **S**oftware supported calculation of elemental compositions

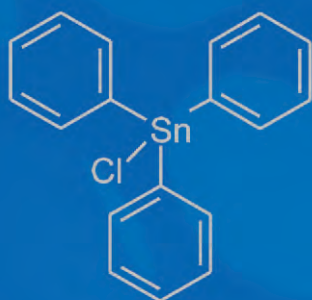


Our formula for success

# State-of-the-art Analytics

Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry (FT-ICR MS) represents the ultimate methodology for the unambiguous determination of elemental compositions.

The combination of high mass accuracy, high resolving power, various ionization sources and an automated sample processing offers a rapid delivery of high quality analysis data for a broad range of analytical applications, e. g. the identification of environmentally relevant tin compounds:



Triphenyltinchloride  
(Ion Mass: 351.0193)

#	1H	12C	14N	16O	120Sn	mass	DBE	Error/ ppm
1	11	3	12	1	1	351.0195261	5.5	6.440e-07
2	17	4	5	6	1	351.0195313	0.0	6.590e-07
3	15	18	0	0	1	351.0190235	12.5	7.877e-07
4	15	2	8	5	1	351.0181887	0.5	3.166e-06
5	9	1	15	0	1	351.0181834	6.0	3.181e-06
6	13	5	9	2	1	351.0208687	5.0	4.469e-06
7	19	6	2	7	1	351.0208740	-0.5	4.484e-06

If you are interested in this application please contact the specialists at amplius. Additional information is also available at [www.amplius.net](http://www.amplius.net).



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