

# Understanding your Atmospheric-pressure Solids Analysis Probe (ASAP) data

Submitter's sample reference and expected molecular weight

Analysis method, in format: "(sample prep) ASAP + modifier".  
e.g. i) (Solid) ASAP = solid sample → ASAP probe → MS source  
ii) (DCM) ASAP + MeOH = sample dissolved in DCM → ASAP probe → into MS source containing MeOH vapour

Sample ref MW="219"?  
(DCM) ASAP + MeOH

EPSRC National Centre Swansea  
LTQ Orbitrap XL

CMW  
30/10/2009 14:27:57

20091030\_asap\_3 #228 RT: 25.36 AV: 1 SM: 7G NL: 7.91E7  
T: FTMS + p APCI corona Full ms [120.00-2000.00]

LTQ Orbitrap XL = instrument used

Submitter's name and date and time of data acquisition

Data acquisition details: APCI = ionisation mode;  
FTMS = FT analyser (Orbitrap); ITMS = ion trap (LTQ)  
+ = positive mode; p = profile mode; Full = full scan mode  
- = negative mode; [120.00 – 2000.00] = mass range

MS data acquisition file

4 decimal places = accurate mass spectrum ( $\pm 5$ ppm)  
1 decimal place = characterisation spectrum ( $\pm 0.3$ Da)

