

Effect of fatty acid on the formation of ITO nanocrystals *via* one-pot reaction

Shaojuan Luo, Jiyun Feng, Ka Ming Ng*

Department of Chemical and Biomolecular Engineering
The Hong Kong University of Science and Technology
Clear Water Bay, Hong Kong


A manuscript submitted to *CrystEngComm*

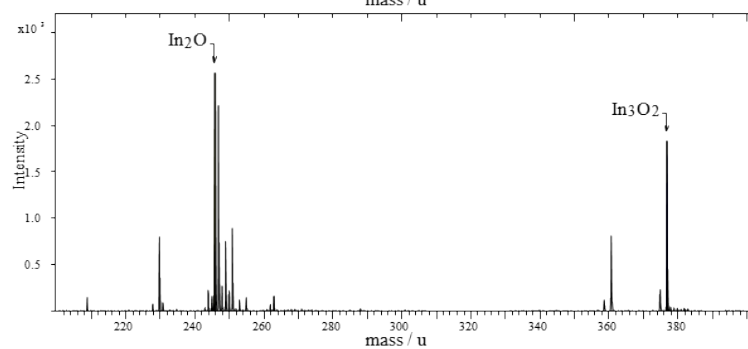
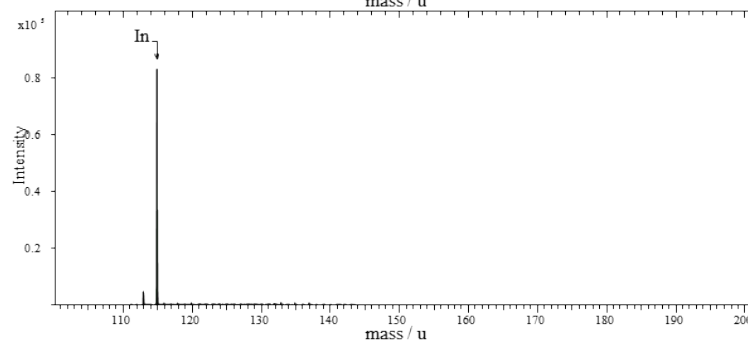
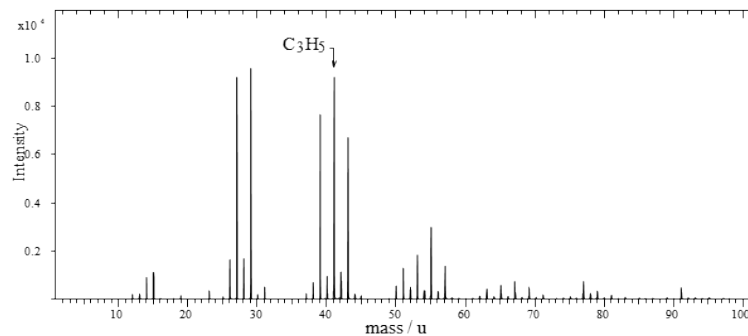
Original Submission: 15 Oct 2014


*Corresponding author

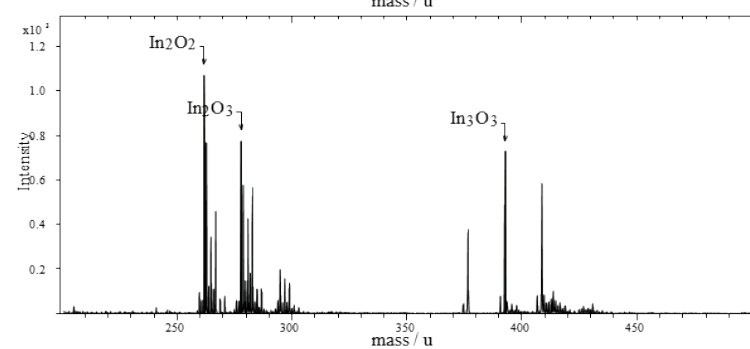
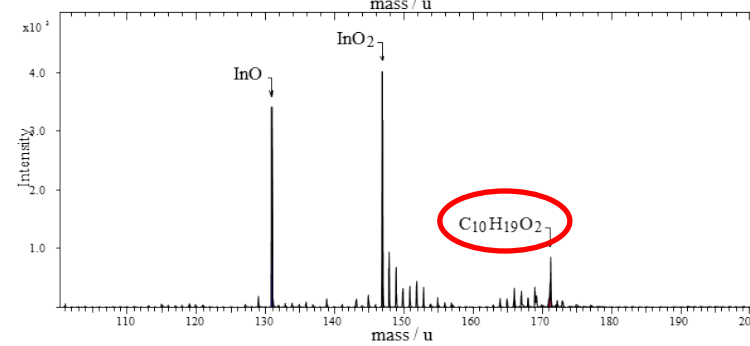
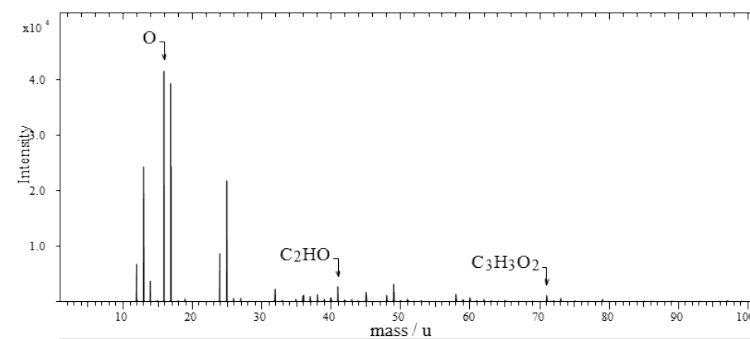
Tel: +852 23587238; E-mail: kekmng@ust.hk

Supporting information:

Sample Parameter	Spectrum Parameter	 Time-of-Flight Mass Spectrometers
Sample: ITO - C10	Polarity: positive	
Origin:	Area / μm^2 : 200	
File: LU3_101.dat	Time / s: 40	
Comments:;;		PI dose: 7.49E+007

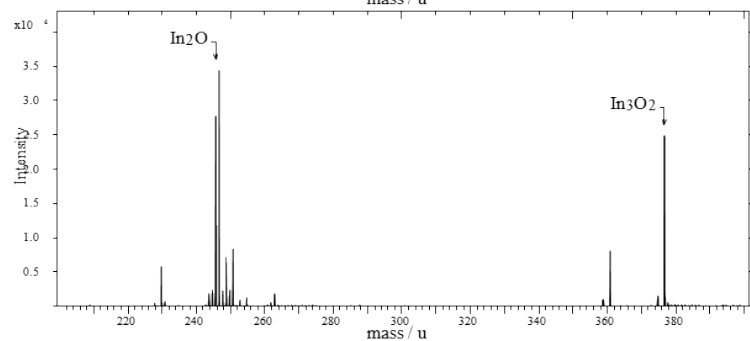
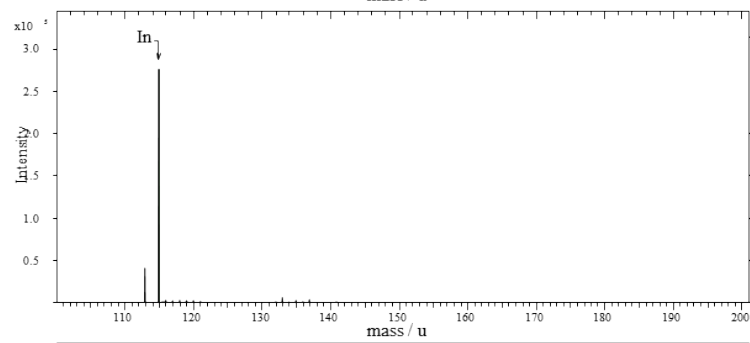
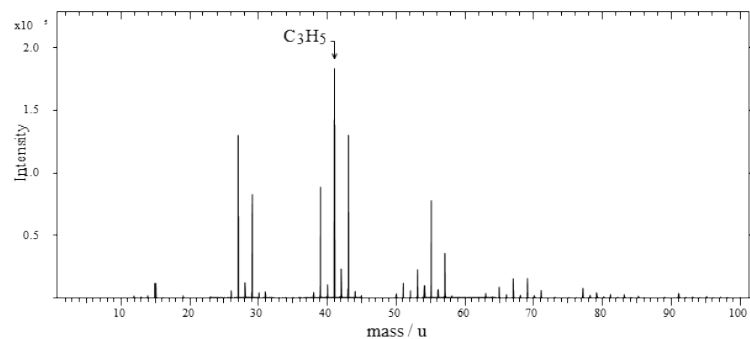


Sample Parameter	Spectrum Parameter	 Time-of-Flight Mass Spectrometers
Sample: ITO - C10	Polarity: negative	
Origin:	Area / μm^2 : 200	
File: LU3_102.dat	Time / s: 40	
Comments:;;		PI dose: 7.49E+007

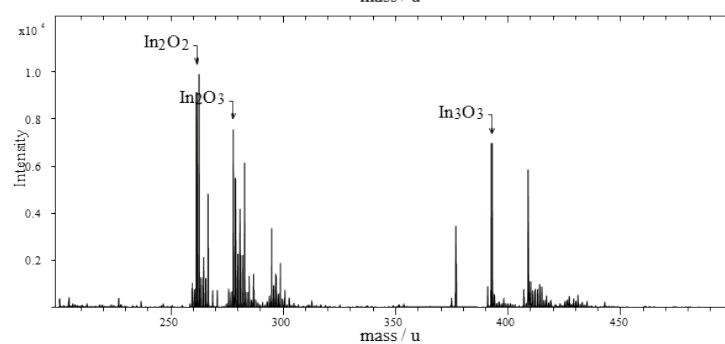
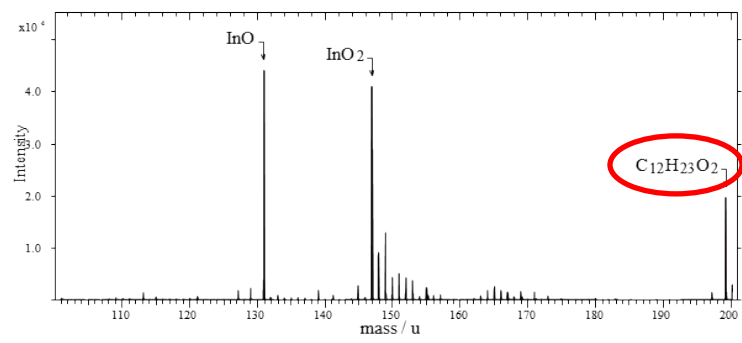
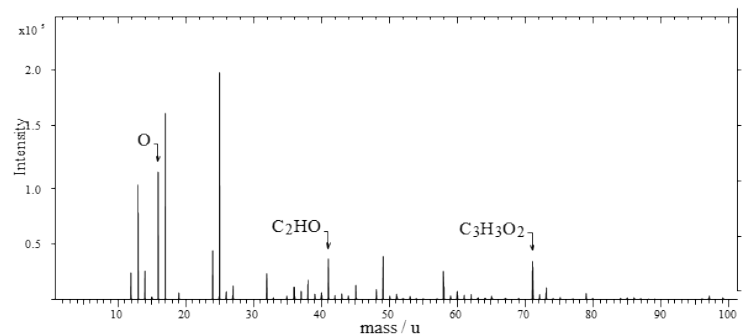


(a) C10-ITO


Sample Parameter		Spectrum Parameter
Sample:	ITO - C12	Polarity: positive
Origin:		Area / μm^2 : 200
		Time / s: 40
File:	LU3_204.dat	PI dose: 7.49E+007
Comments:;;		

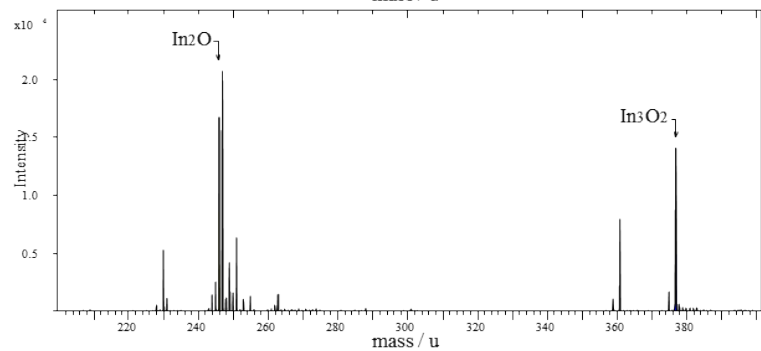
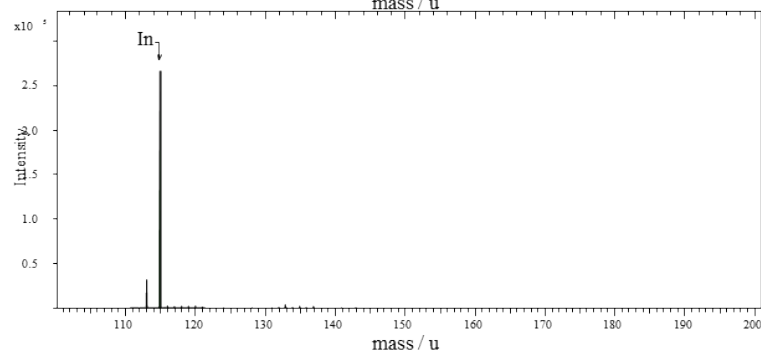
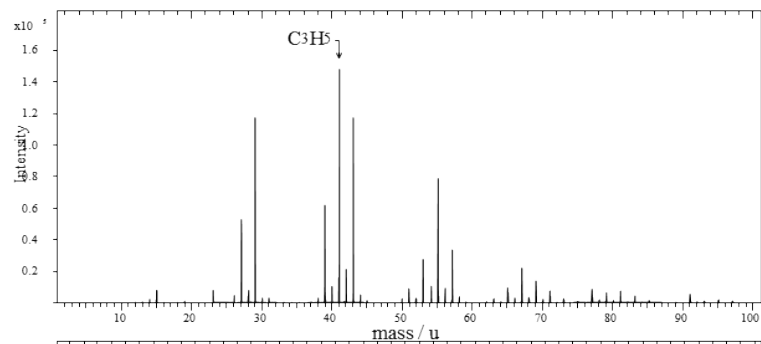



Sample Parameter		Spectrum Parameter
Sample:	ITO - C12	Polarity: negative
Origin:		Area / μm^2 : 200
		Time / s: 50
File:	LU3_203.dat	PI dose: 9.36E+007
Comments:;;		

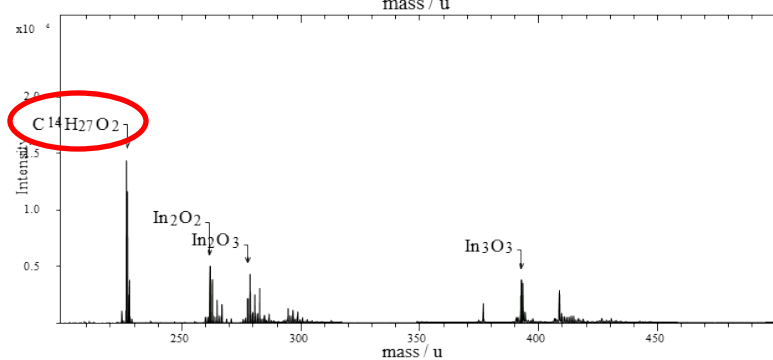
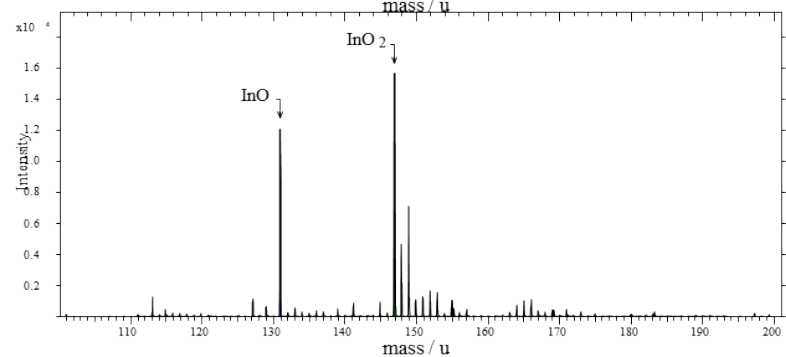
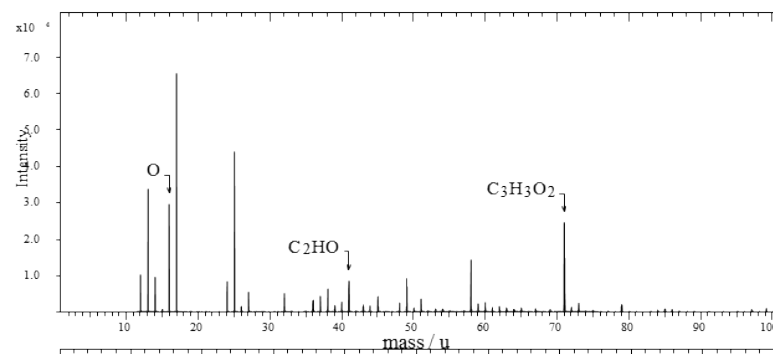


(b) C12-ITO

Sample Parameter	Spectrum Parameter	 Time-of-Flight Mass Spectrometers
Sample: ITO - C14	Polarity: positive	
Origin:	Area / μm^2 : 200	
File: LU3_300.dat	Time / s: 40	
Comments: ; ;	PI dose: 7.49E+007	

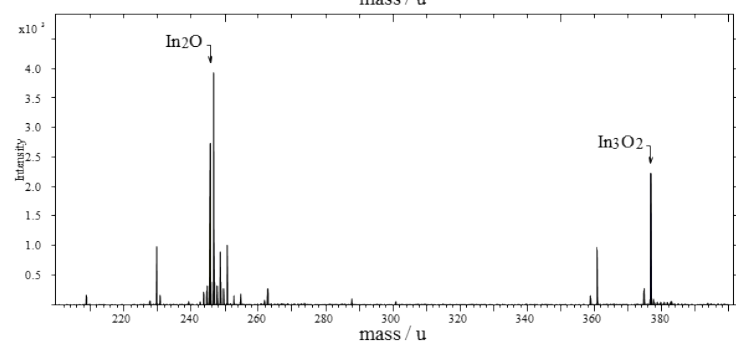
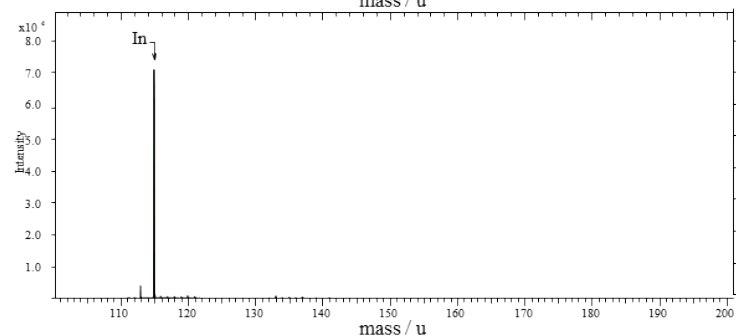
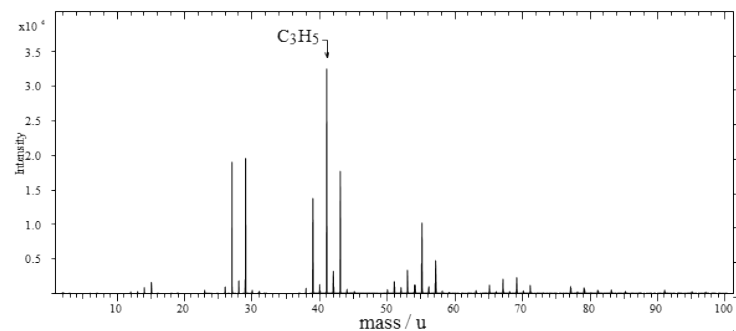


Sample Parameter	Spectrum Parameter	 Time-of-Flight Mass Spectrometers
Sample: ITO - C14	Polarity: negative	
Origin:	Area / μm^2 : 200	
File: LU3_304.dat	Time / s: 40	
Comments: ; ;	PI dose: 7.49E+007	

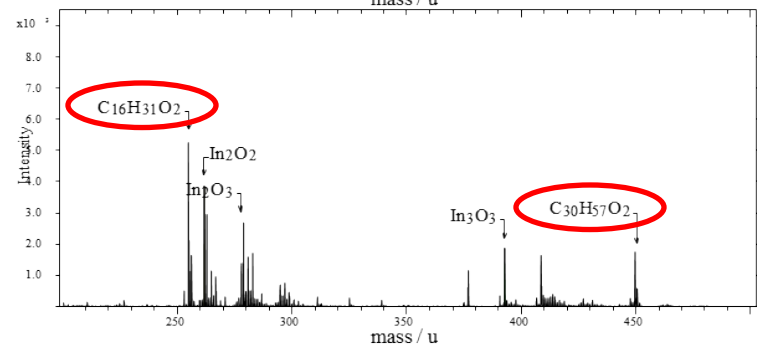
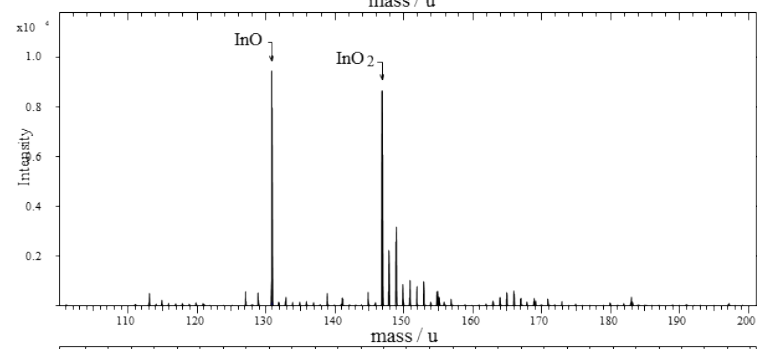
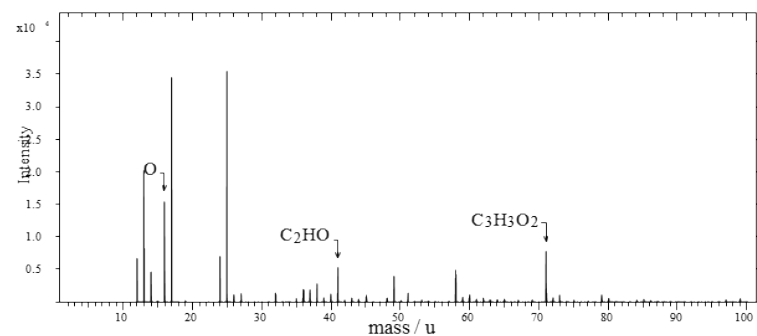


(c) C14-ITO


Sample Parameter		Spectrum Parameter
Sample:	ITO - C16	Polarity: positive
Origin:		Area / μm^2 : 200
		Time / s: 40
File:	LU3_402.dat	PI dose: 7.49E+007
Comments:;;		

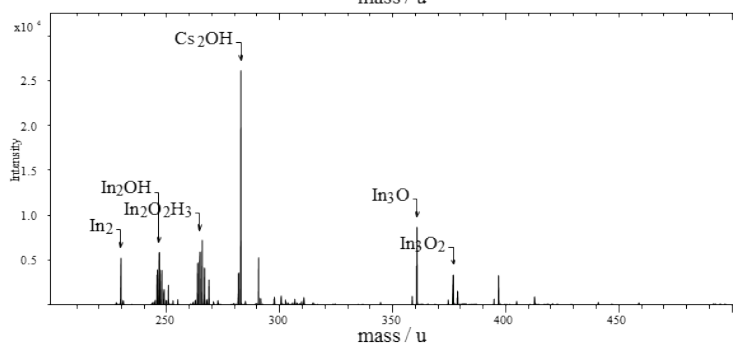
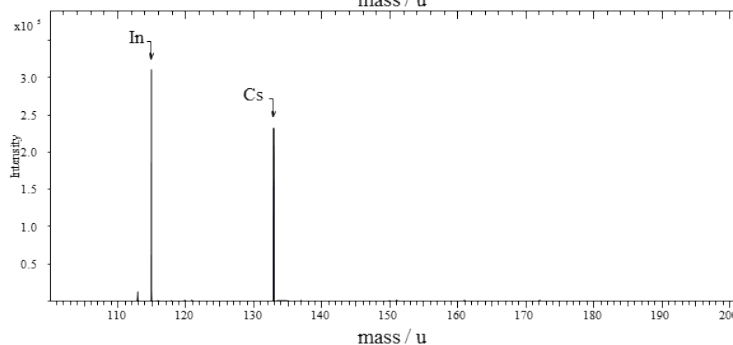
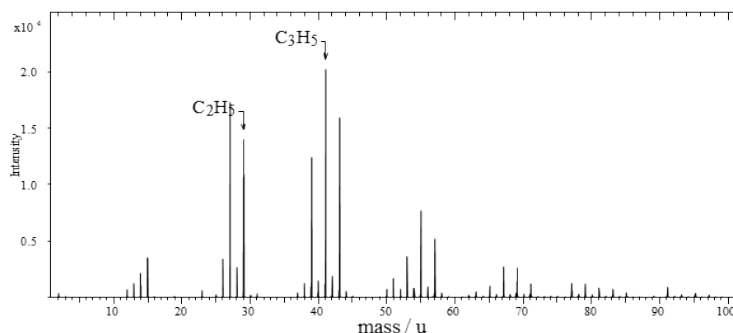



Sample Parameter		Spectrum Parameter
Sample:	ITO - C16	Polarity: negative
Origin:		Area / μm^2 : 200
		Time / s: 40
File:	LU3_401.dat	PI dose: 7.49E+007
Comments:;;		

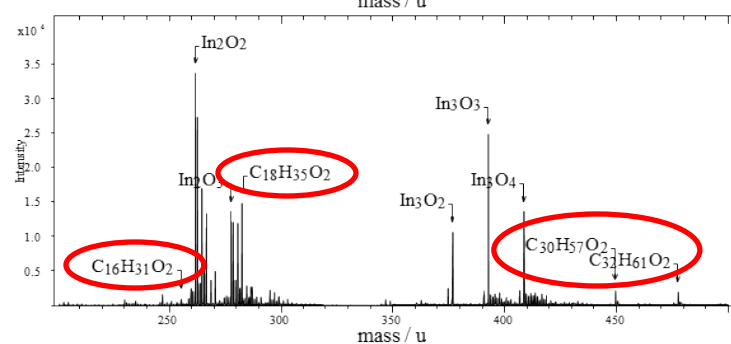
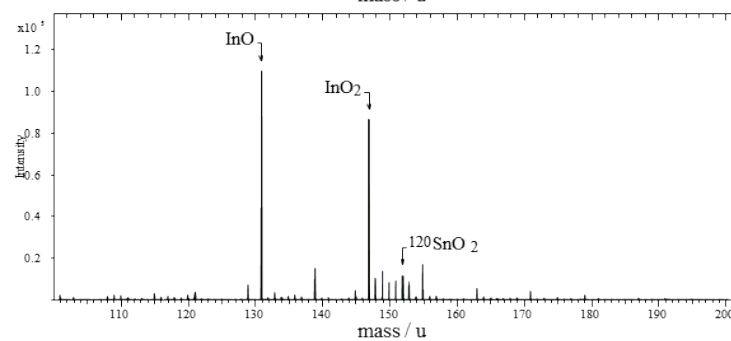
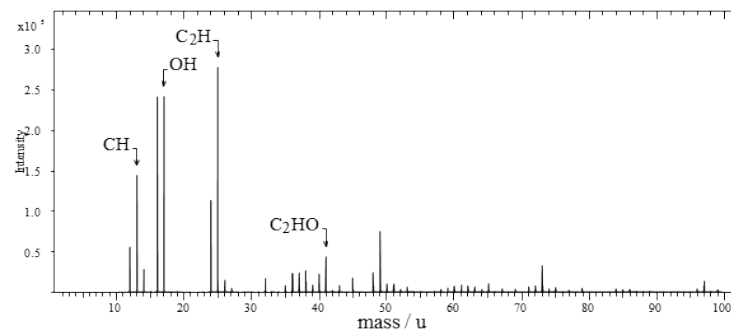


(d) C16-ITO

Sample Parameter	Spectrum Parameter	 Time-of-Flight Mass Spectrometers
Sample: ITO nanoparticles	Polarity: positive	
Origin:	Area / μm^2 : 200	
File: LU2_108.dat	Time / s: 40	
Comments: Bi3+;		PI dose: 7.49E+007



Sample Parameter	Spectrum Parameter	 Time-of-Flight Mass Spectrometers
Sample: ITO nanoparticles	Polarity: negative	
Origin:	Area / μm^2 : 200	
File: LU2_107.dat	Time / s: 40	
Comments: Bi3+;		PI dose: 7.49E+007



(e) C18-ITO

Figure S1 TOF-SIMS spectra of the surfaces of the C10-ITO, C12-ITO, C14-ITO, C16-ITO and C18-ITO nanocrystals.