TLCANALYSER



to analyse chromatograms efortlessly

Ilościowa Analiza TLC

Analizuj swoje płytki Thin Layer Chromatography (TLC) z precyzją.

TLC Wiki Dane testowe

Start app

Read instruction

See / download example data

Witamy w aplikacji do analizy TLC

Przesyłaj i analizuj obrazy płytek TLC w prosty sposób.

Images for testing

Choose one of the images below to download it to your device.

Obrazy do testowania

Wybierz jeden z poniższych obrazów, aby pobrać go na swoje urządzenie.

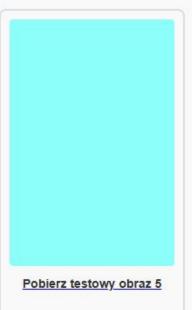






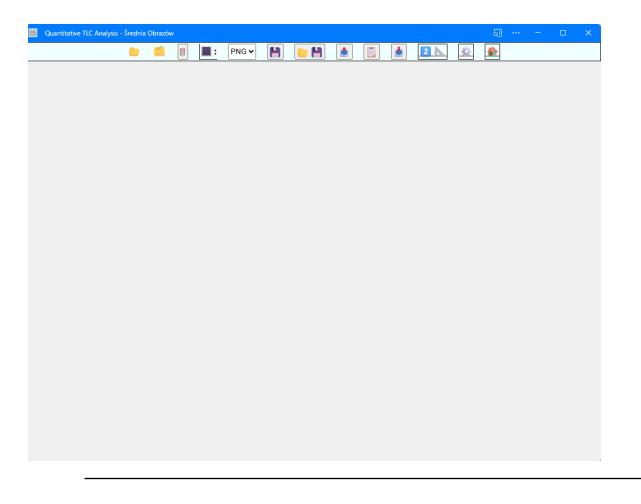


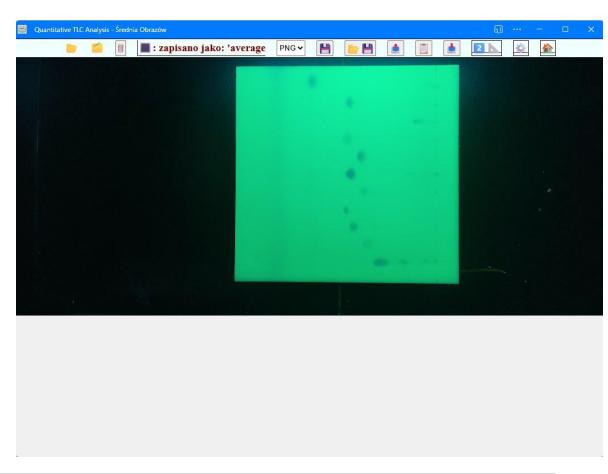




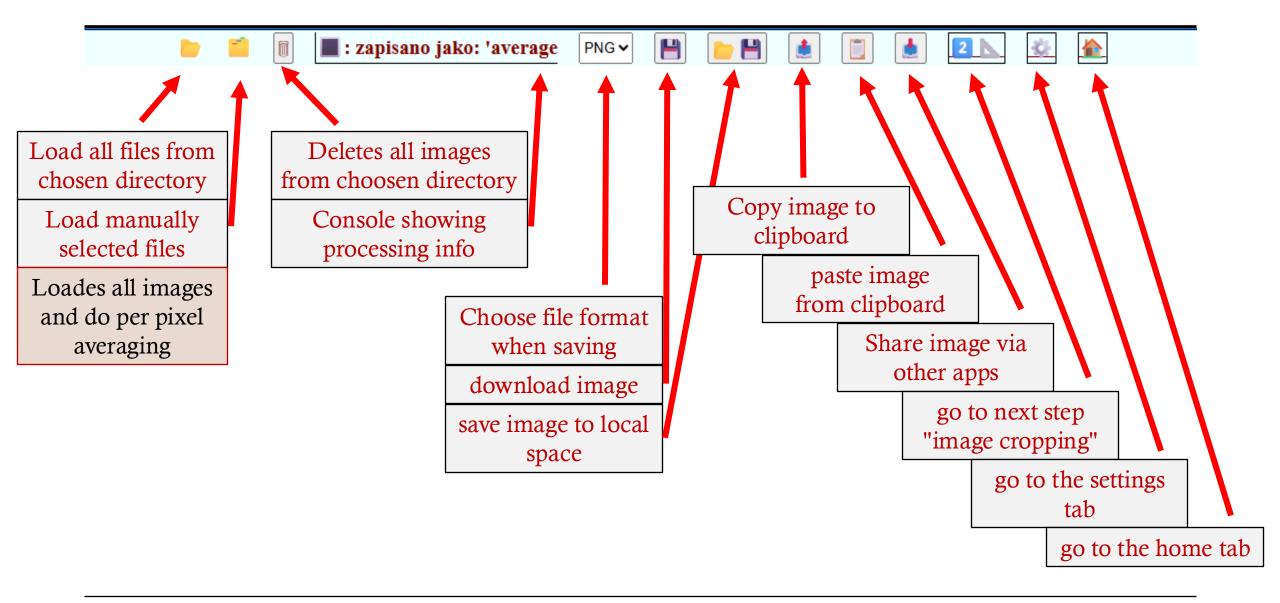


BEFORE (LEFT) & AFTER (RIGHT) LOADING & AVERAGING IMAGES

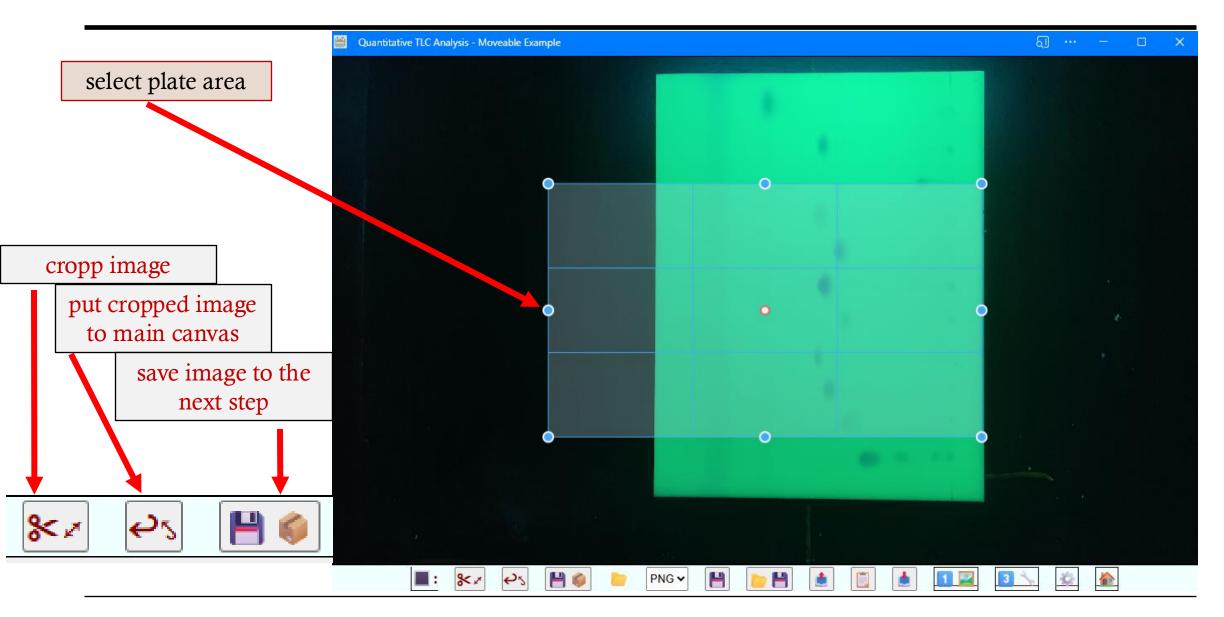




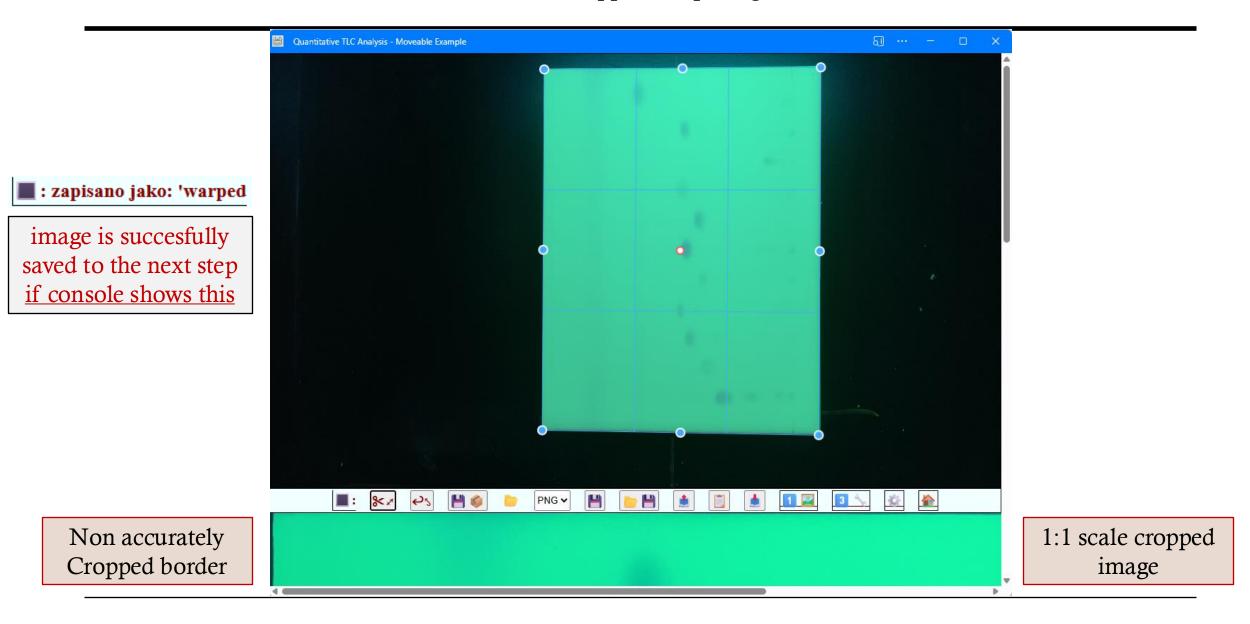
STEP 1 – load & average images



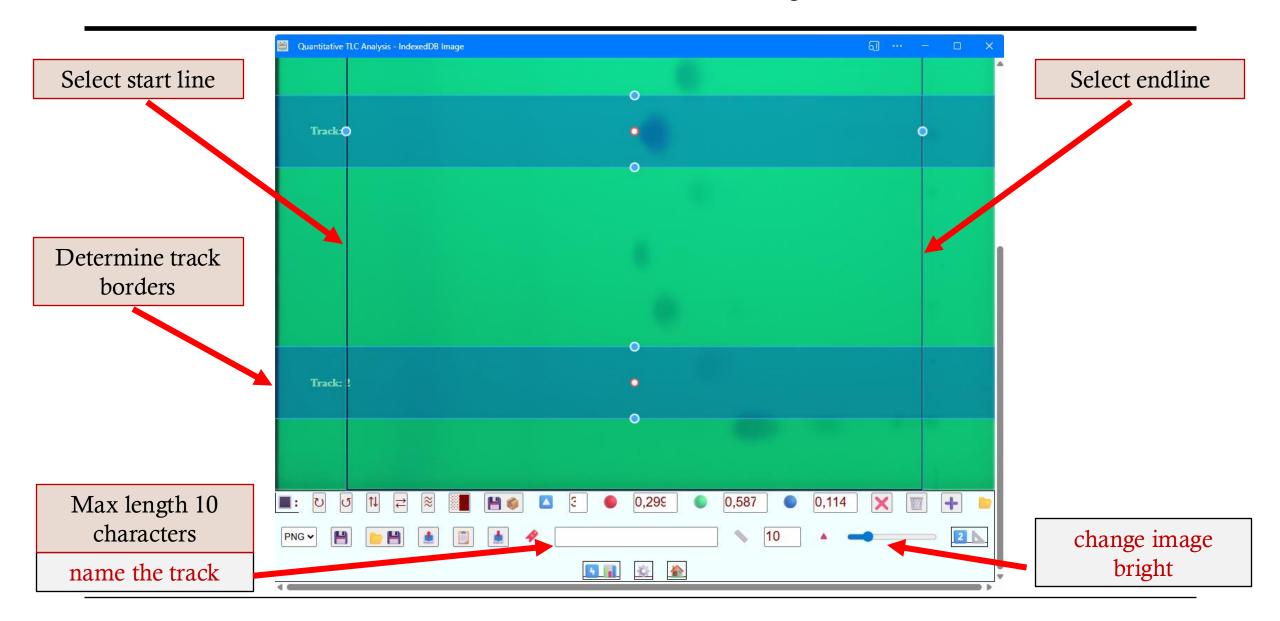
STEP 2 – cropp & warp image



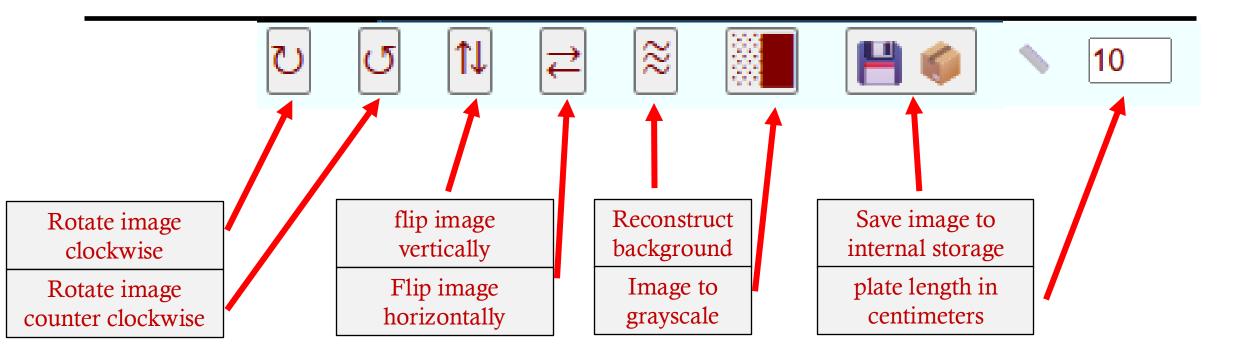
STEP 2 – cropp & warp image



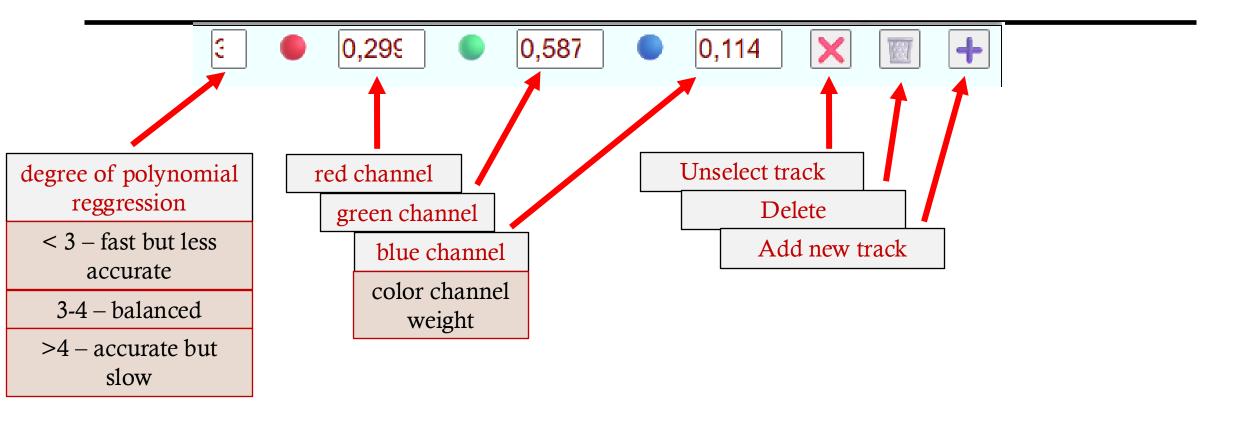
STEP 3 – select tracks & recreate background



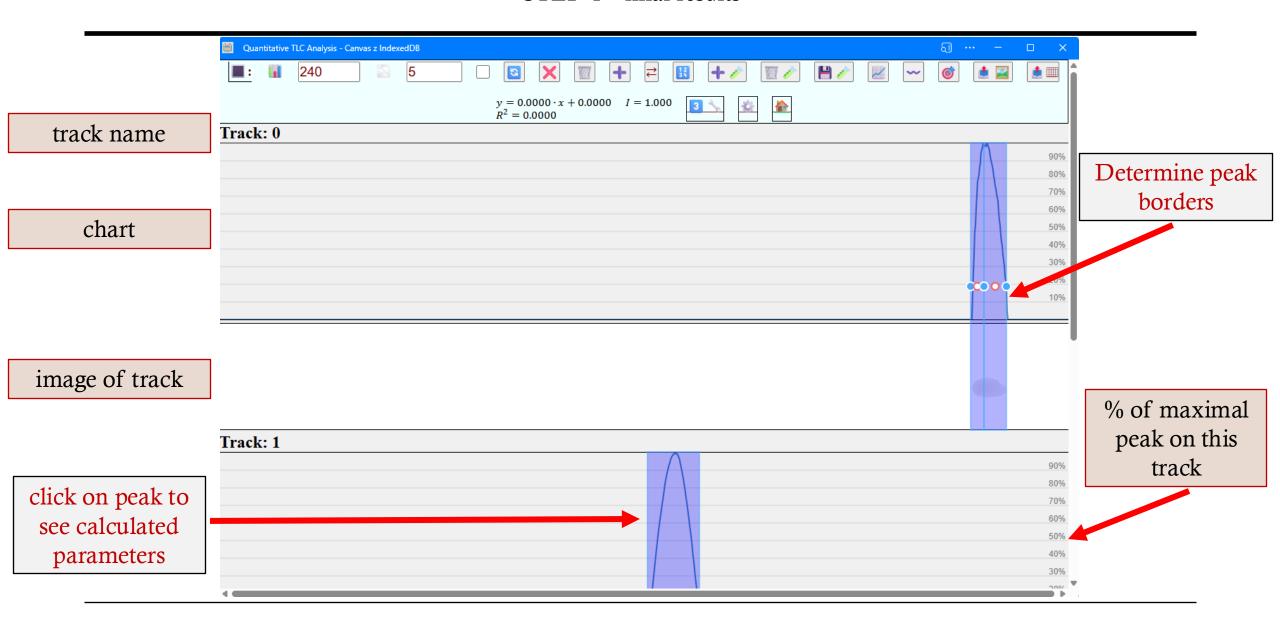
STEP 3 – select tracks & recreate background



STEP 3 – select tracks & recreate background



STEP 4 – final results





$$\frac{y = 0.0000 \cdot x + 0.0000}{R^2 = 0.0000} \qquad I = 1.000$$

Index of linearity

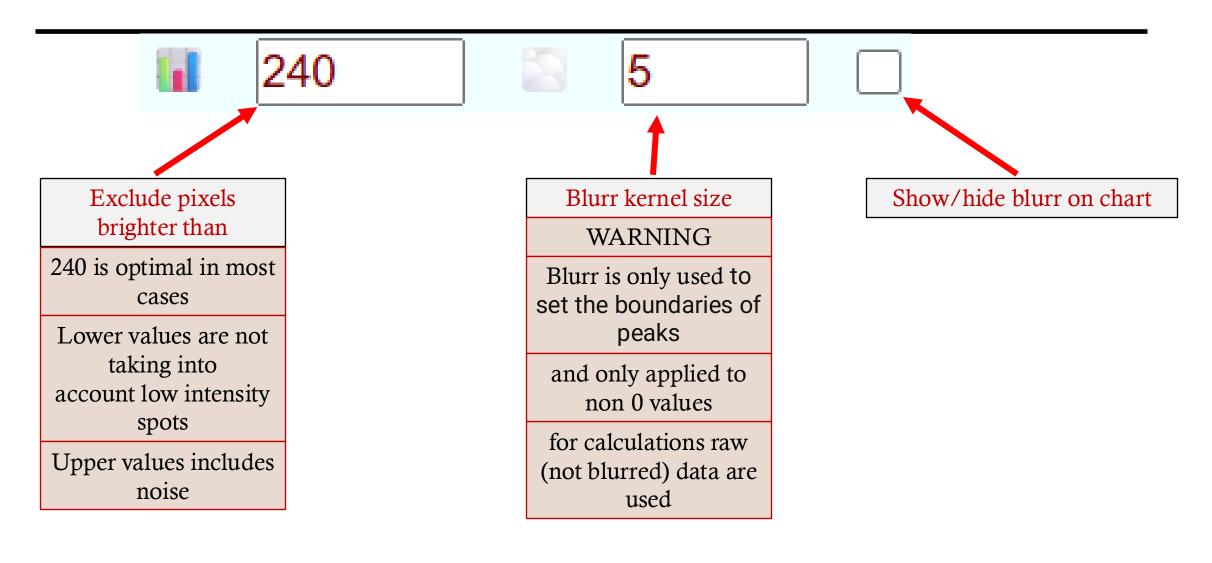
1 – perfect linearity

0 – no linearity

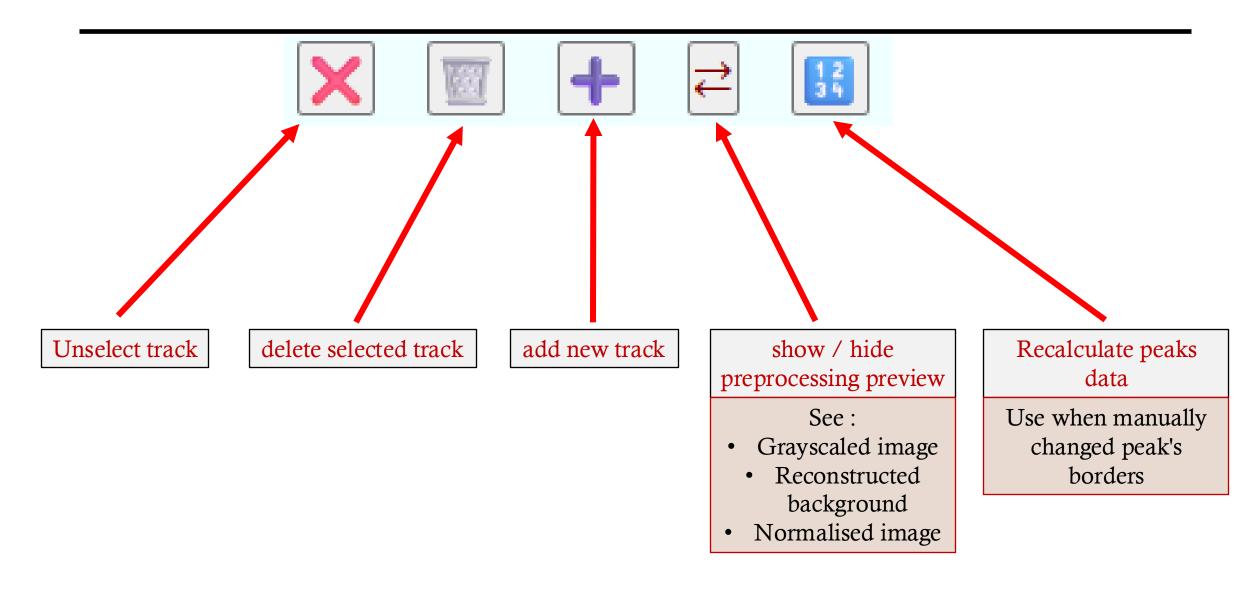
Point of reference

Concentration weight
Used to normalise
different photography
conditions

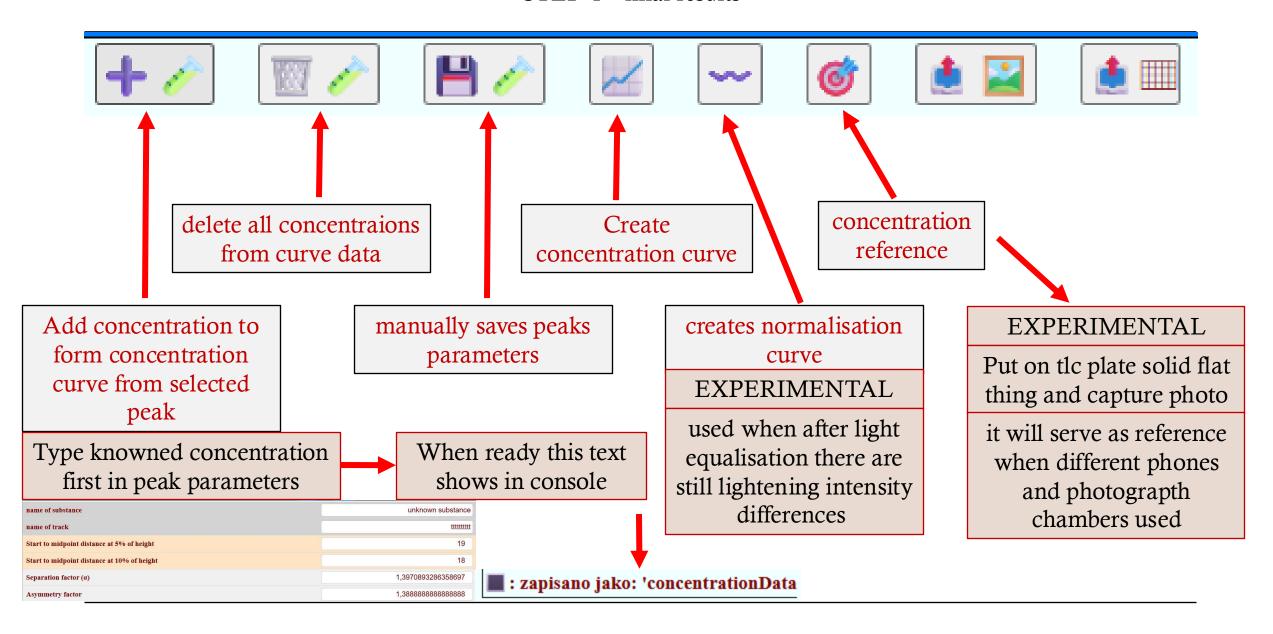
STEP 4 – final results



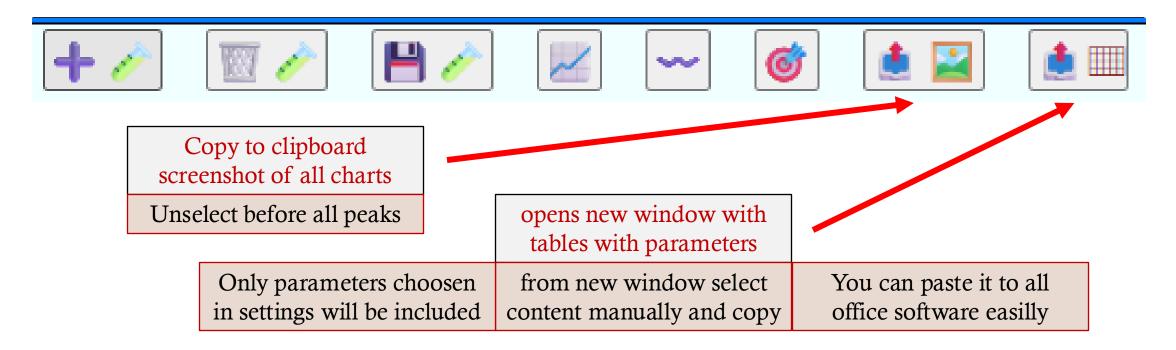
STEP 4 – final results



STEP 4 – final results



STEP 4 – final results



name of substance	unknown substance	
name of track	ttttttttt	
Start to midpoint distance at 5% of height	19	
Start to midpoint distance at 10% of height	18	
Separation factor (α)	1,3970893286358697	110
Asymmetry factor	1,3888888888888888888888888888888888888	ue

data for concentration curve

Surface: 209975

Concentration: 12

data for normalisation curve

Y: 0.5

X: 0.5278514588859416

Surface: 21699

Concentration: 13

Y: 0.8501997336884154

X: 0.5994694960212201

STEP 5 – SETTINGS

Refresh app cache

select params included in report

Unselect all params

Number of parameters decimals

RF factor treshold for substances recognition

List of substances to automatic recognition basing on RF

