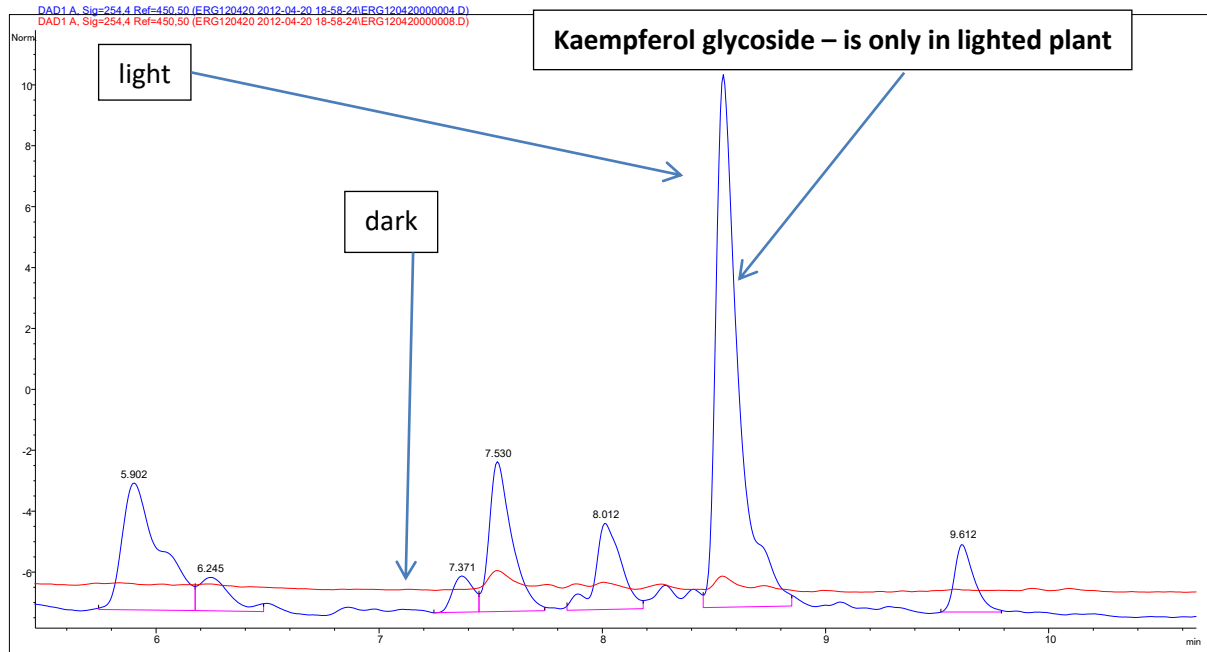
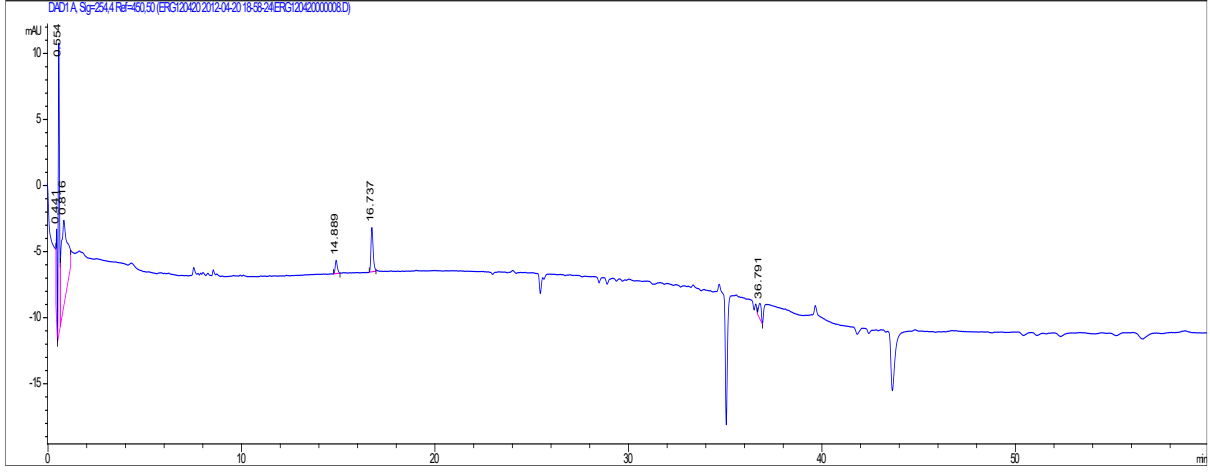
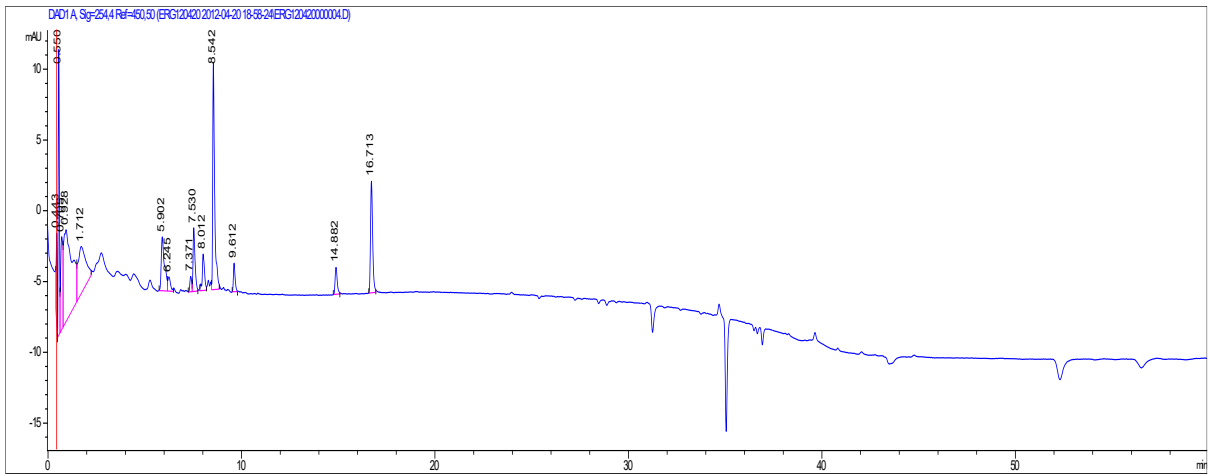
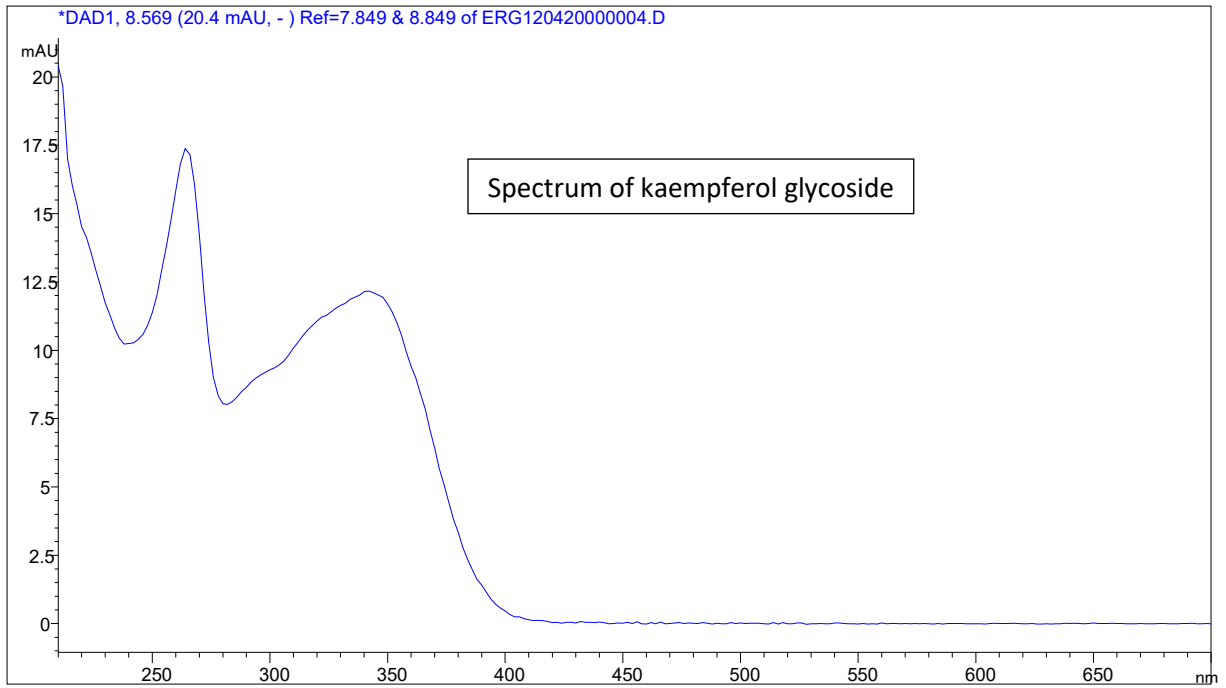


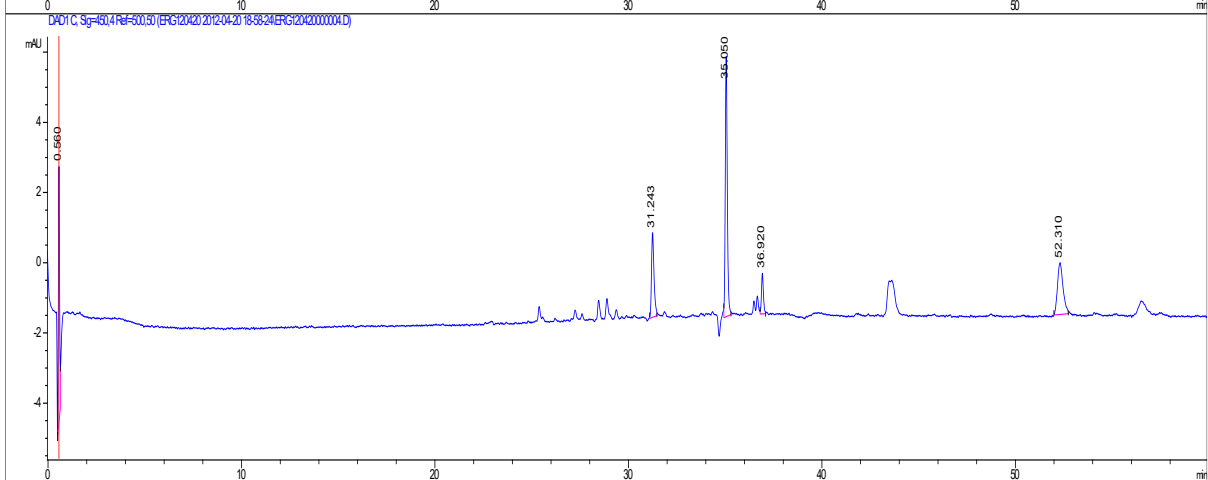
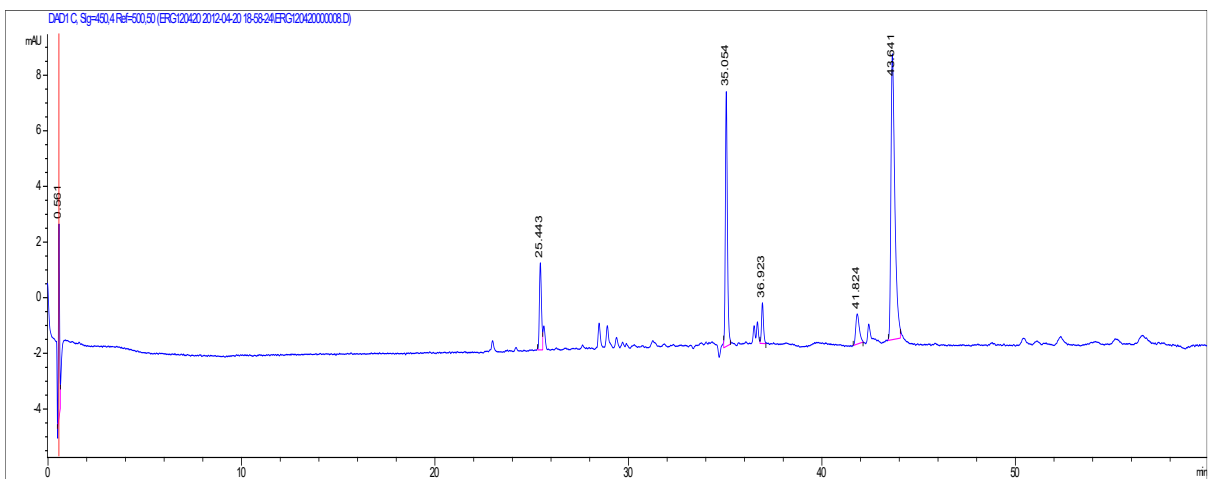
Iresine herbstii – influence of light

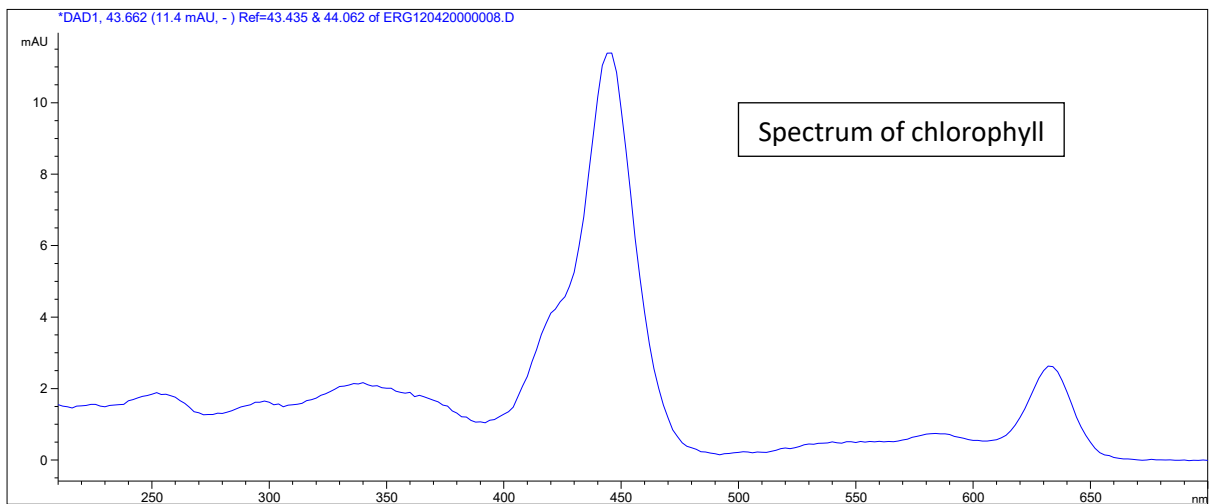
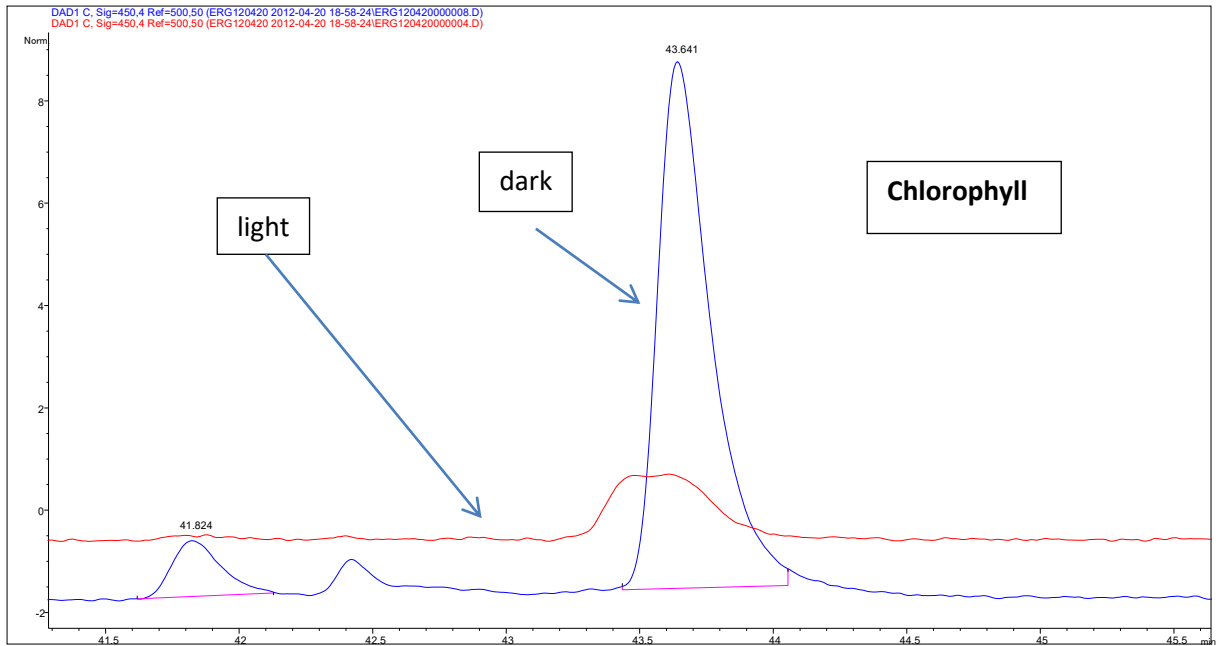
Detector 254 nm





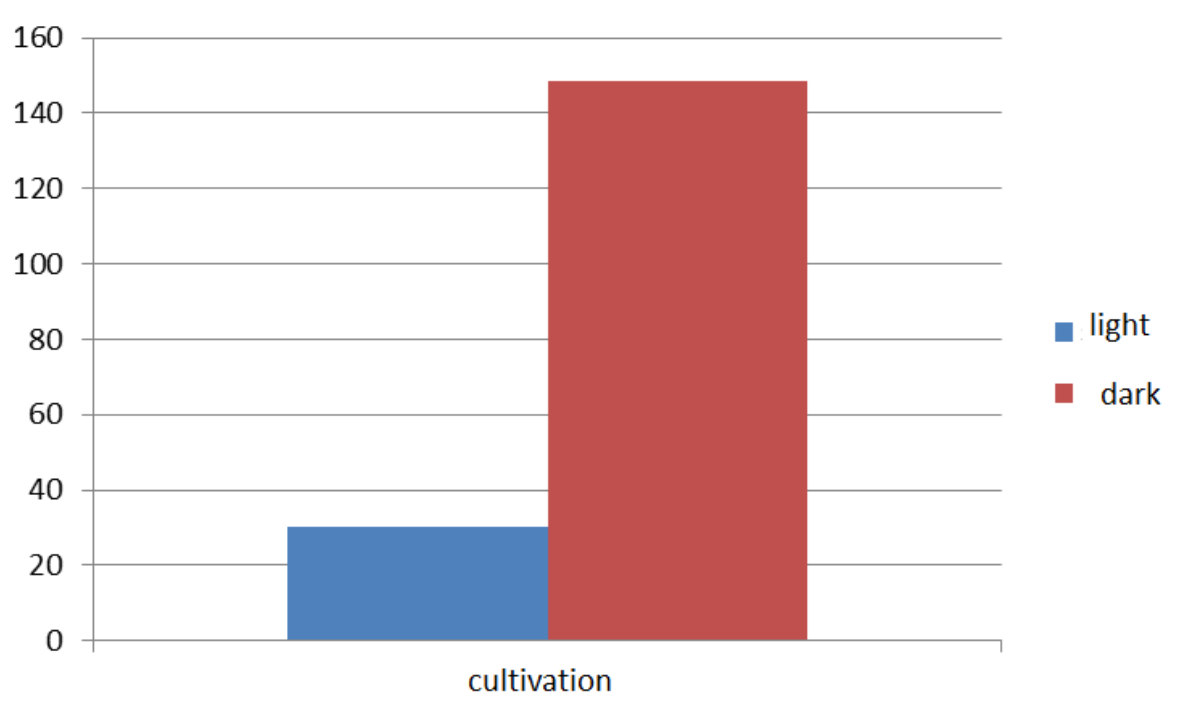
Chlorophyll – detector 450 nm





	kaempferol- peak areas- fresh material
cultivation	
light	115.5
dark	0

	chlorophyll- peak areas- fresh material
cultivation	
light	30.1
dark	148.5



SUMMARY: On the first and second chromatogram we can see big differences in content of substances. In the area of 10 minutes there are several substances in *Iresine* grown in light conditions. One of them is kaempferol glycoside. *Iresine* grown in darkness completely lacks these substances. Lack of light causes at heliophilous plants reduced production of secondary metabolites.

TASK: Calculate the relative concentration of kaempferol glycoside and chlorophyll in dry mass and expressed it graphically.