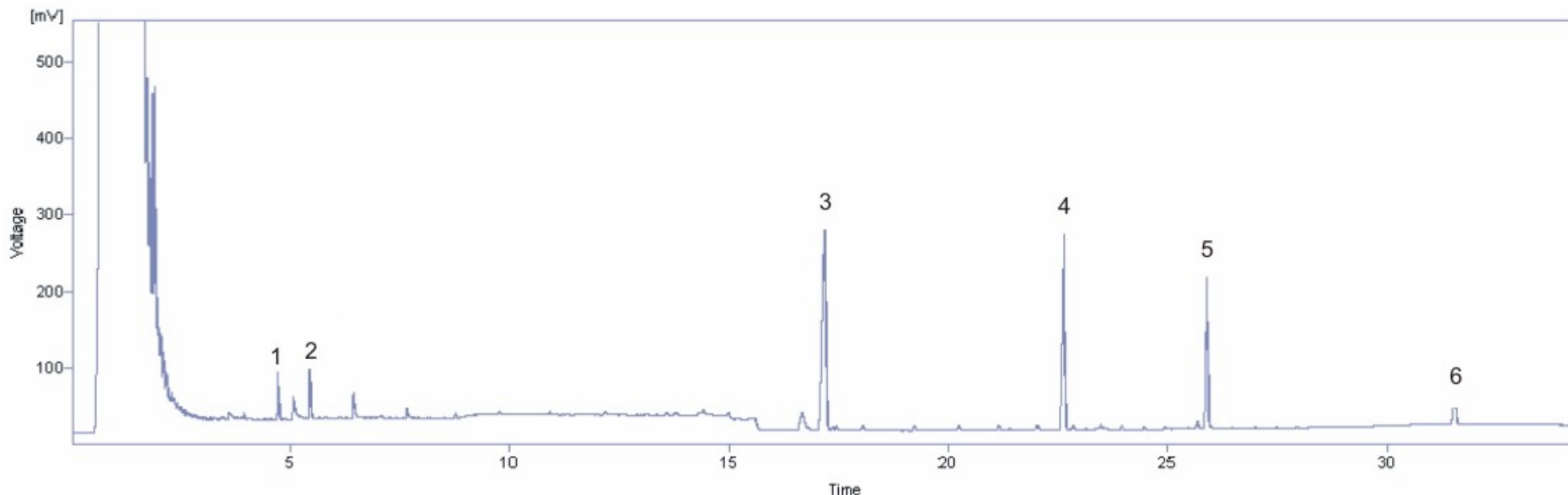


BIODIESEL – Determination of Free and Total Glycerol and mono-, di-, triglycerides (According to UNI EN ISO 14105 and ASTM 6584)



Column

Stationary Phase	MEGA-BIODIESEL105
I.D.	0.32 mm
Film Thickness	0.1 µm
Length	15 m

Sample

Standard mixture of Glycerol and mono-, di-, triglycerides derivatized with MSTFA

GC Conditions

Injector	PTV	50°C T1
	Rate PTV	999°C/min
	T2 PTV	360°C (15min)
Oven	T 1	50°C (1min)
	Rate	15°C/min
	T2	180°C
	Rate 2	7°C/min
	T3	230°C
	Rate 3	10°C
	T4	370°C (5min)
Carrier Gas	Helium	3 mL/min

Identification

1	Glycerol
2	Internal Standard 1
3	Monoolein
4	Internal Standard 2
5	Diolein
6	Triolein

Results carried out with DANI GC MASTER