

**Figure S1.** UHPLC chromatograms of glucosinolate profiles in tops and leaves of the species *Brassica rapa*, *Brassica oleracea* and *Brassica napus*.

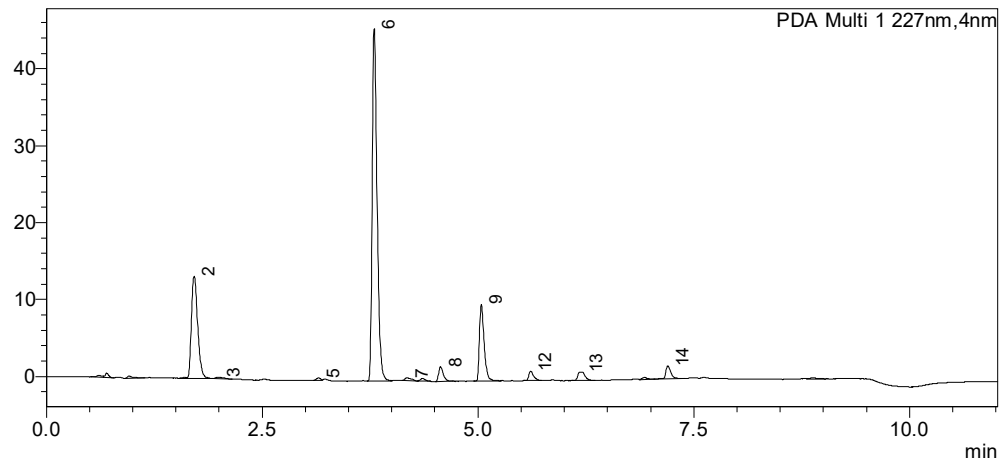
Peaks:

Number	Name	Retention time
1	Glucoiberin	1.298
2	Progoitrin	1.7
3	Glucoraphanin	2.1
4	Sinigrin	2.25
5	Glucoalysin	3.2
6	Gluconapin	3.8
7	Hydroxyglucobrassicin	4.217
8	Glucoiverberin	4.6
9	Glucobrassicin	5
10	Glucotropaeolin (internal standard)	5.166
11	Glucoerucin	5.3
12	Glubrassicin	5.6
13	Gluconasturtin	6.225
14	Neoglucobrassicin	7.213

***Brassica rapa***

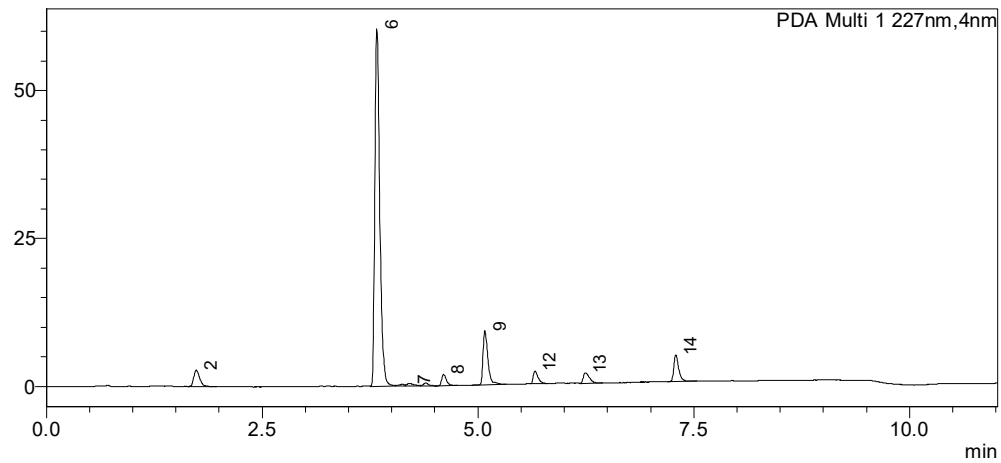
Tops

mAU



Leaves

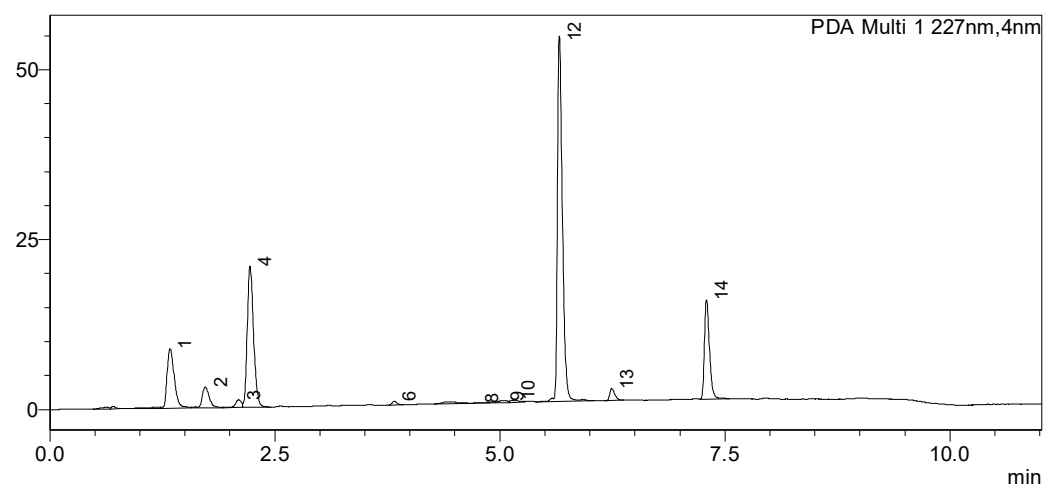
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## ***Brassica oleracea***

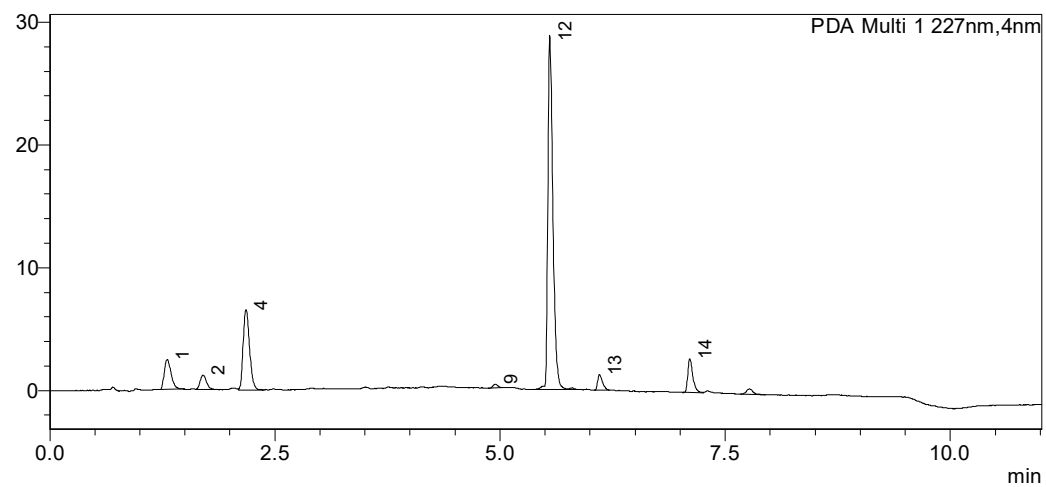
Tops

mAU



Leaves

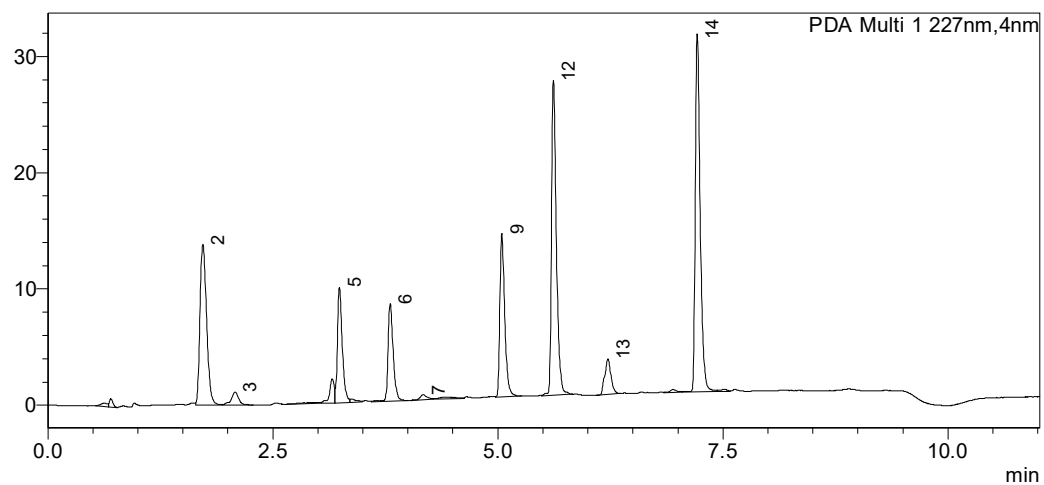
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***Brassica napus***

Tops

mAU



Leaves

mAU

