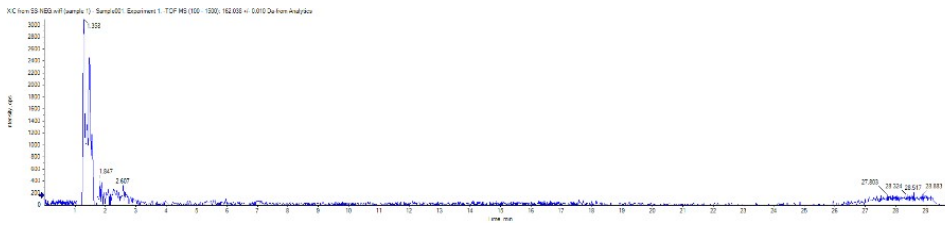
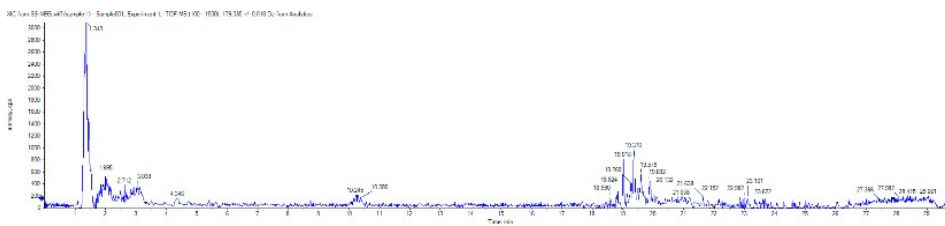
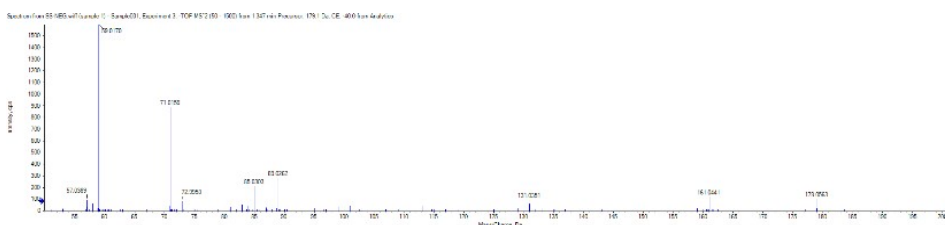
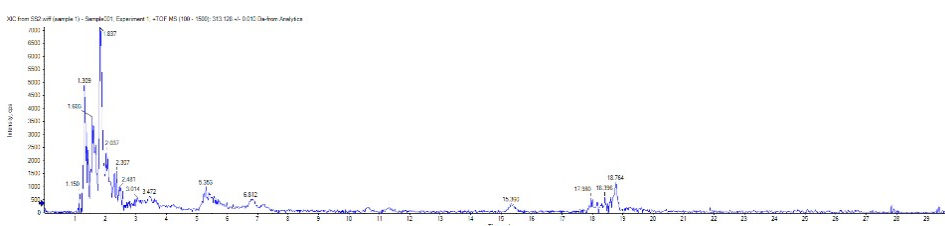
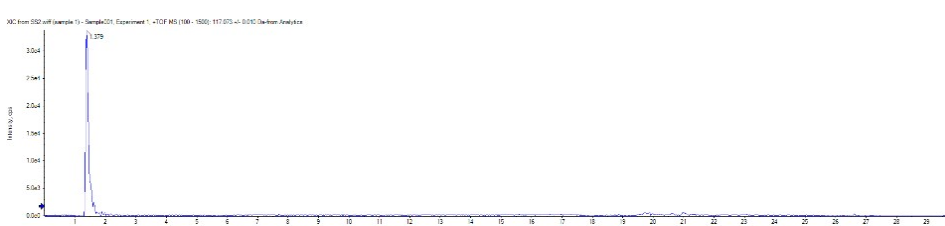
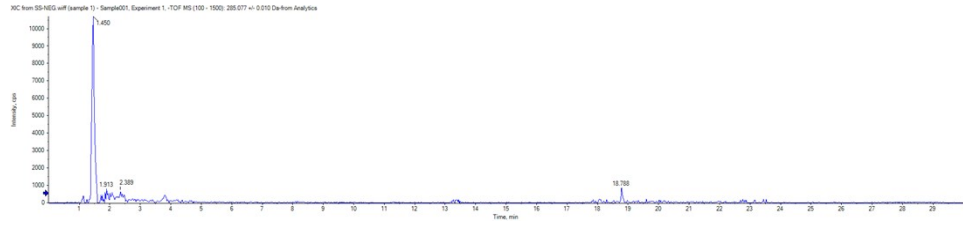


Supplementary materials

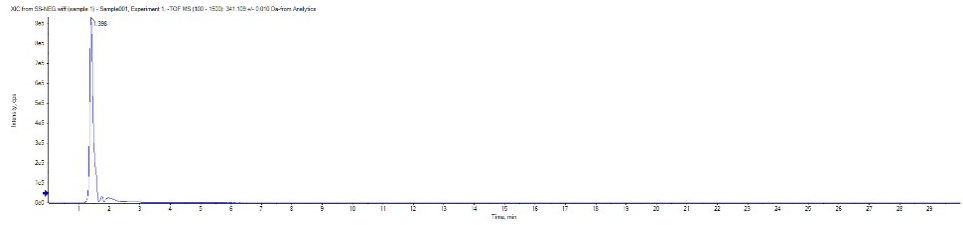
Table S1 The MS and MS² spectra of compounds in BE

Name	MS and MS ² spectra
2-Phenylethyl isothiocyanate	
Caffeic acid	
Triandrin	
5-Methylthiopen-1	
Quinic acid	

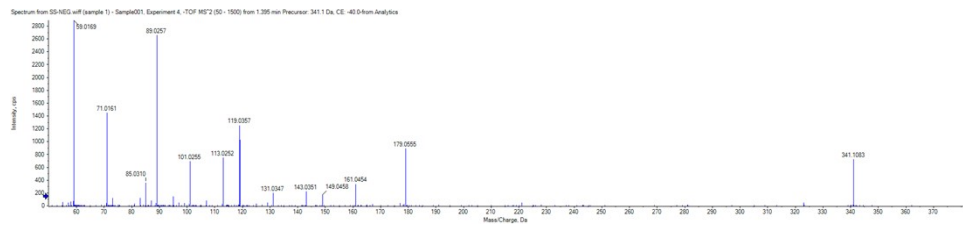
Licochalcone



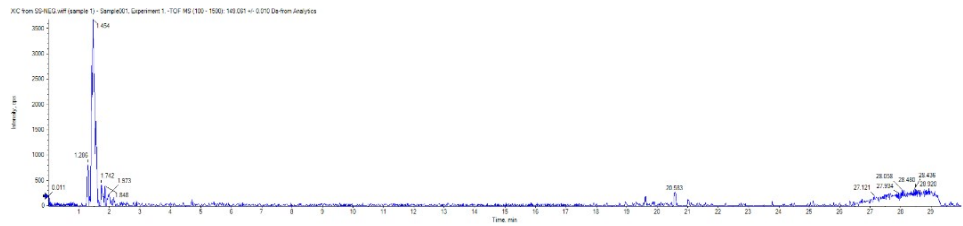
Sucrose



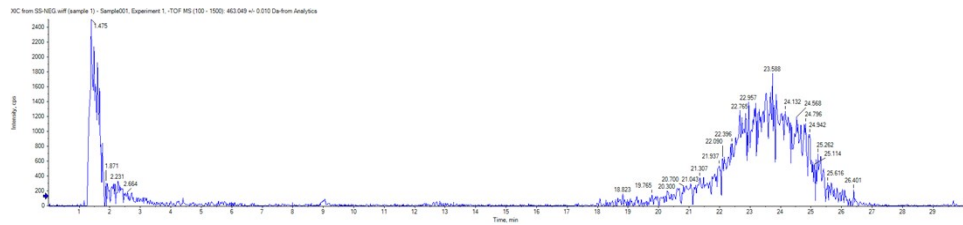
Ethyl benzoate



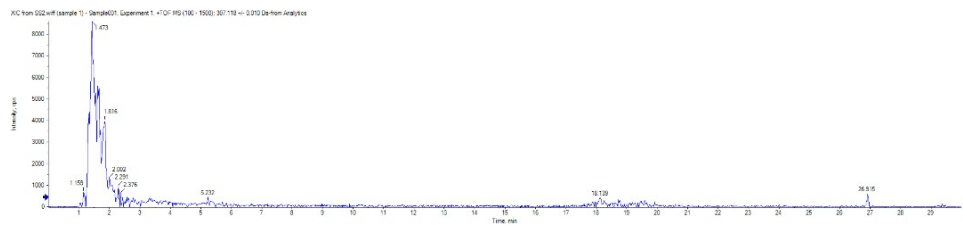
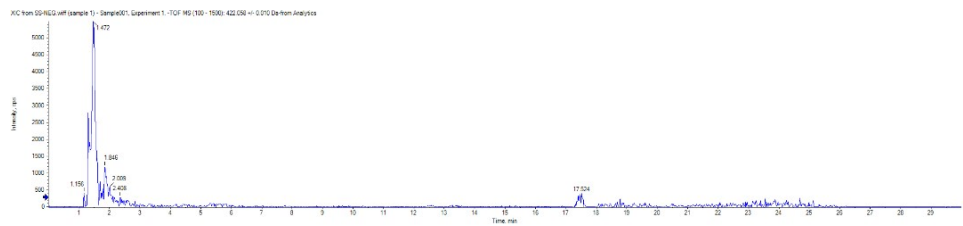
4-Hydroxyglucobrassicin



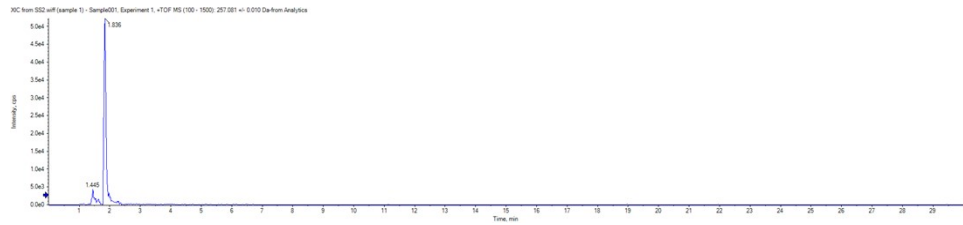
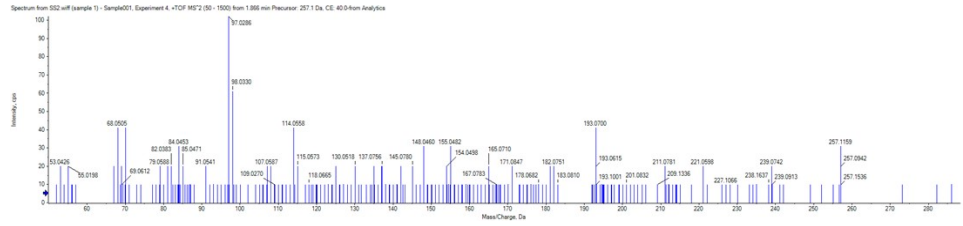
Gluconasturtiin



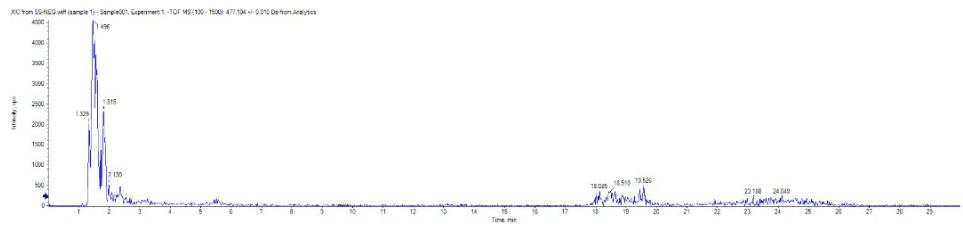
2-Naphthyl-β-D-glucopyranoside



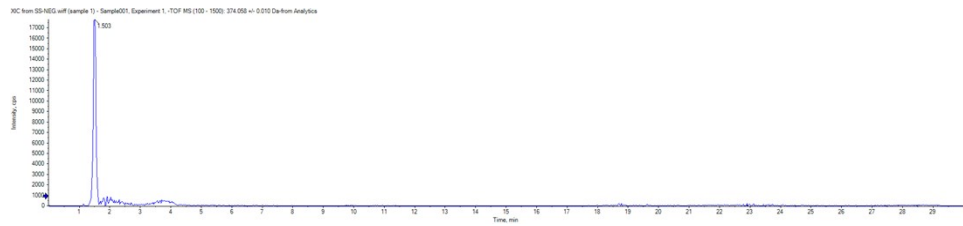
Liquiritin



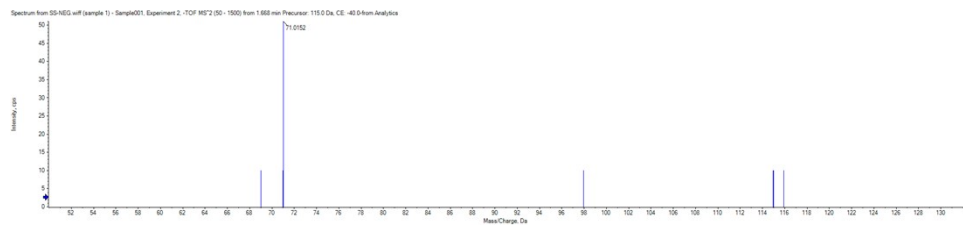
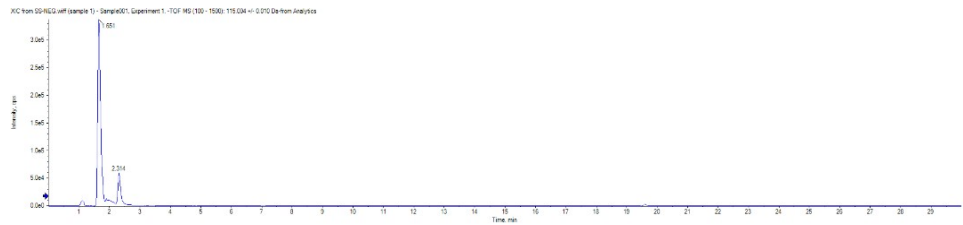
Isorhamnetin-3-O-glucoside



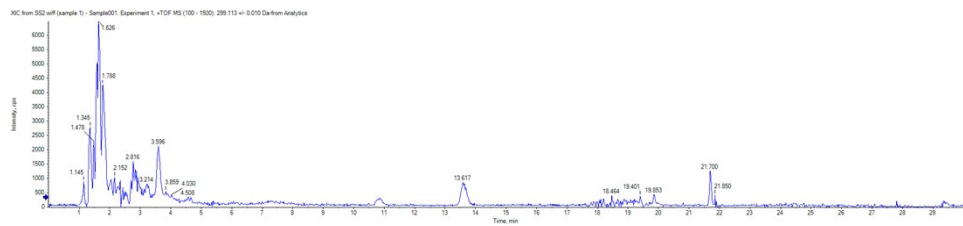
Glucocochlearin



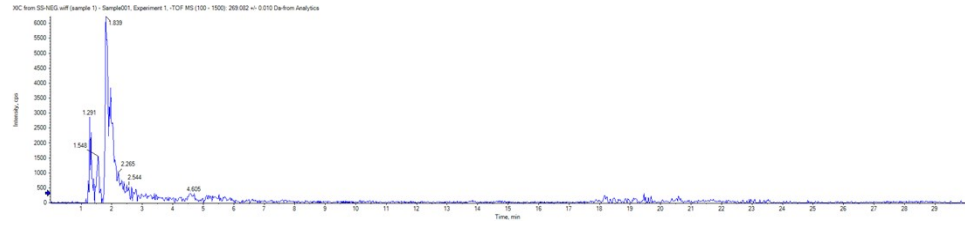
Fumaric acid



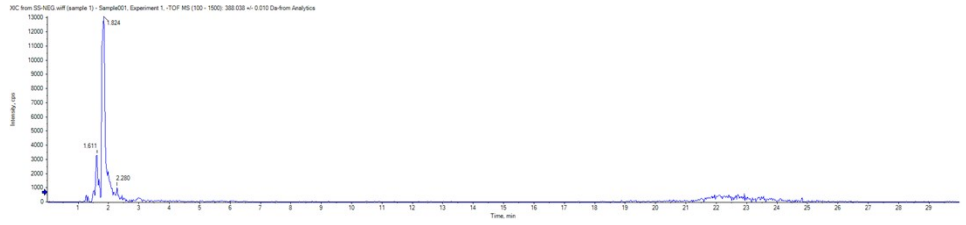
Picein



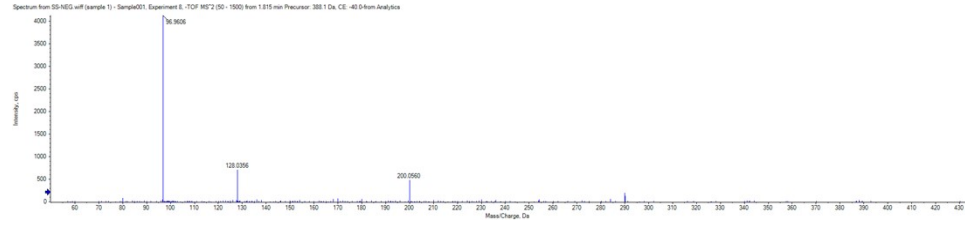
4,4'-dihydroxy-
3'-
methoxychalcone



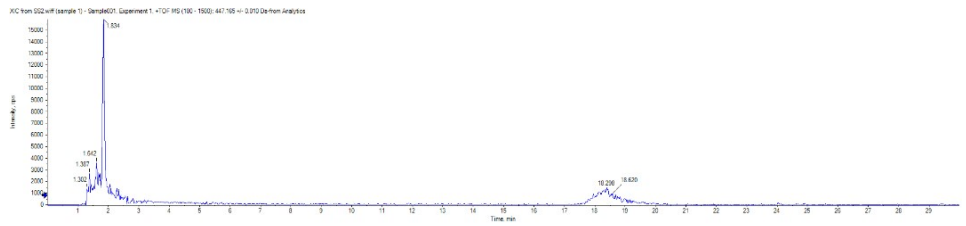
Progoitrin



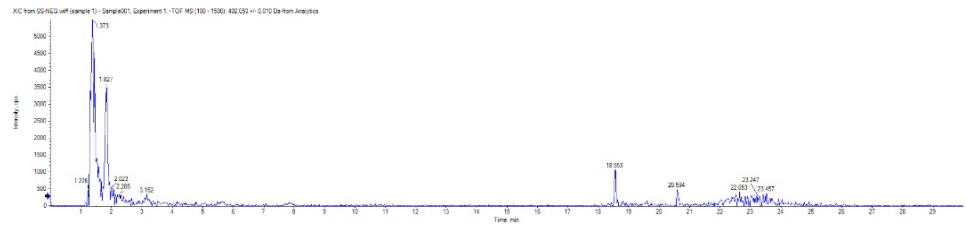
4'-O- β -D-
glucopyranosyl-
3',4-
dimethoxychalcone



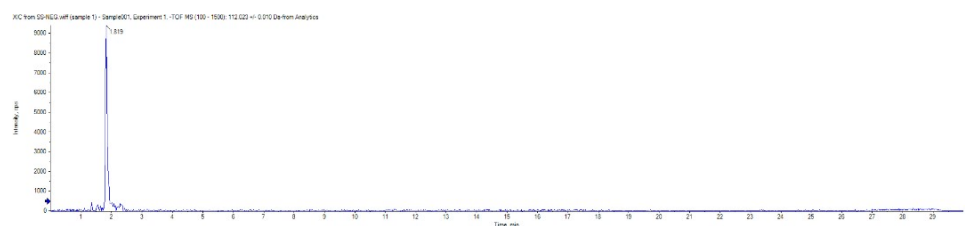
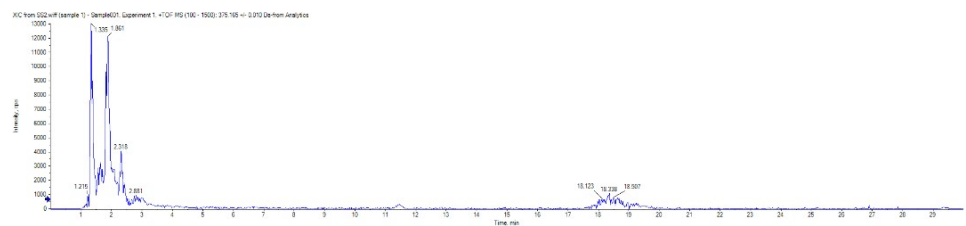
Gluconapoleiferin



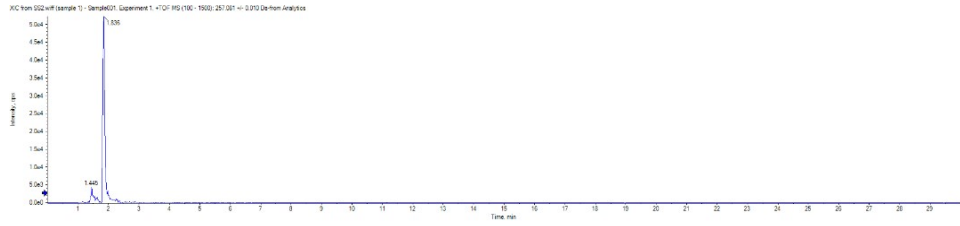
Dihydrosyringin



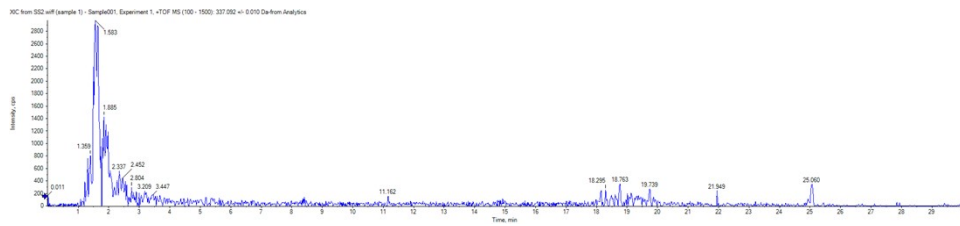
3-Butenyl
isothiocyanate



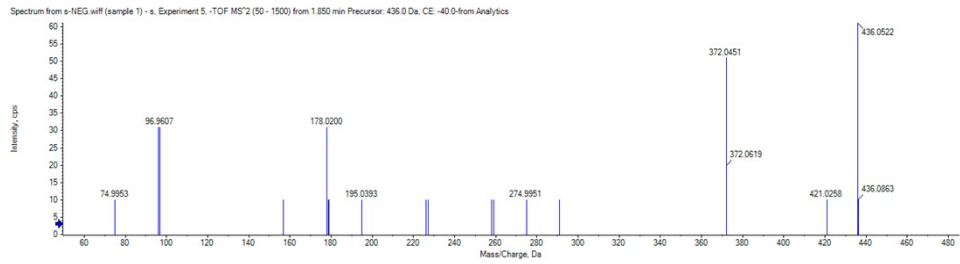
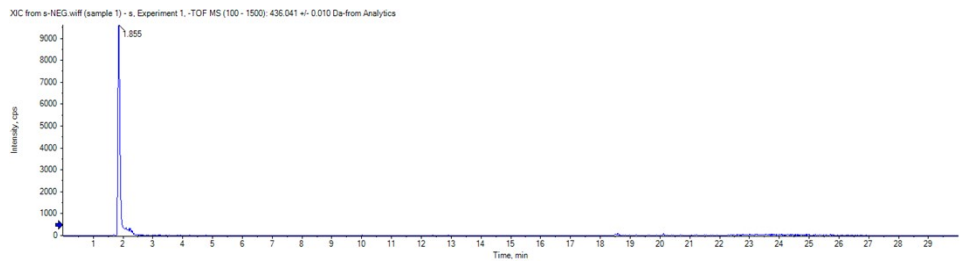
Liquiritigenin



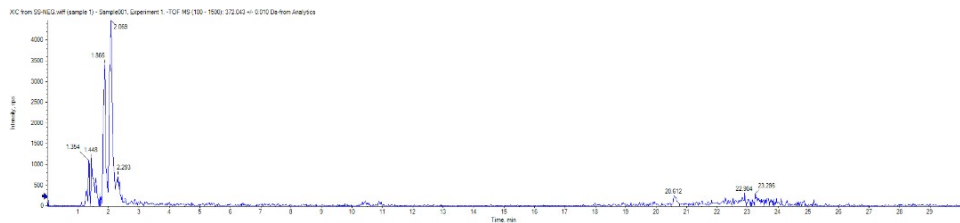
4'-O- β -D-glucopyranosyl-4-hydroxy-3'-methoxychalcone



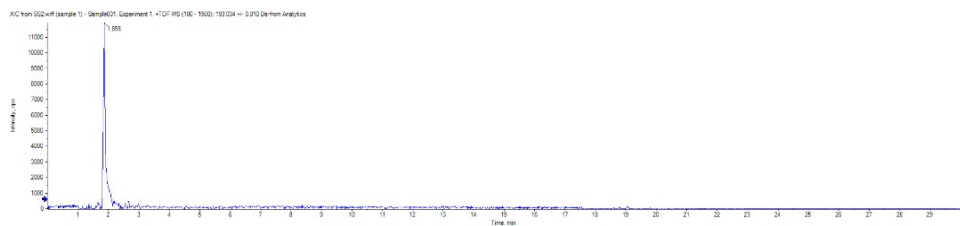
Glucoraphanin



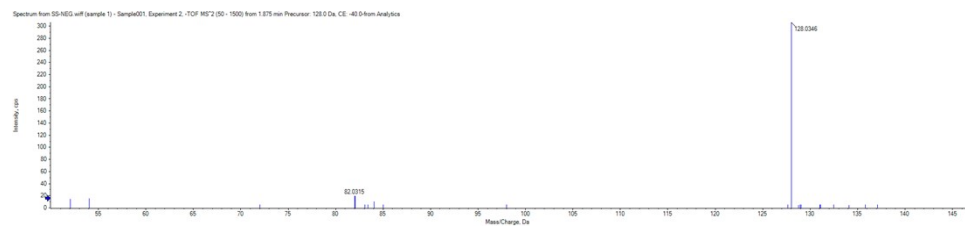
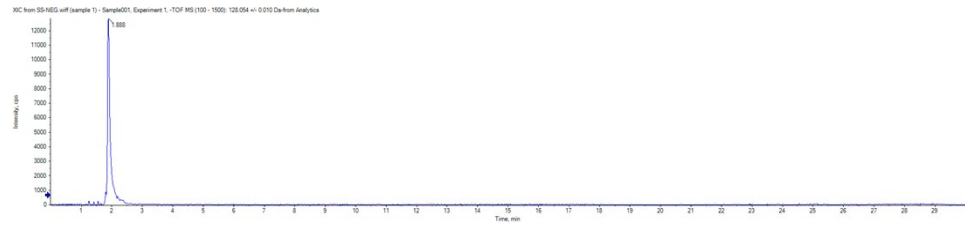
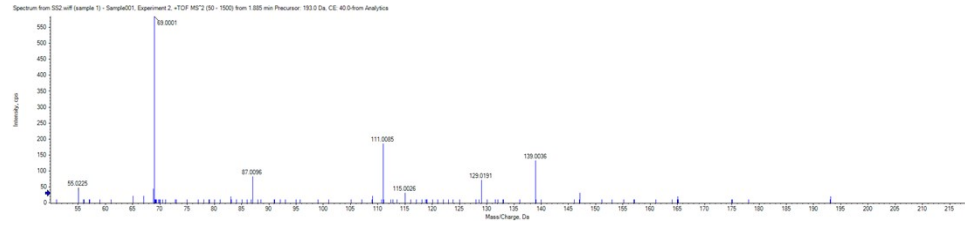
Glucanapin



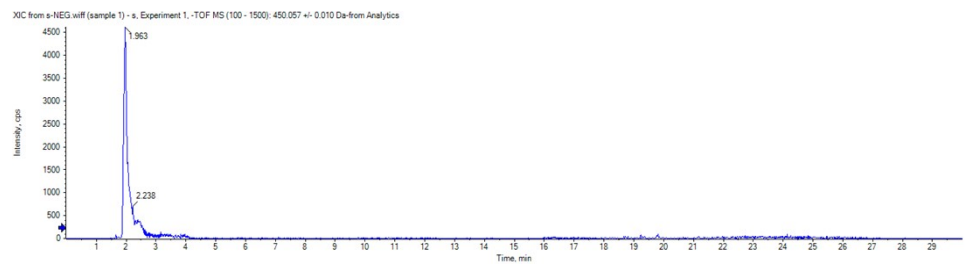
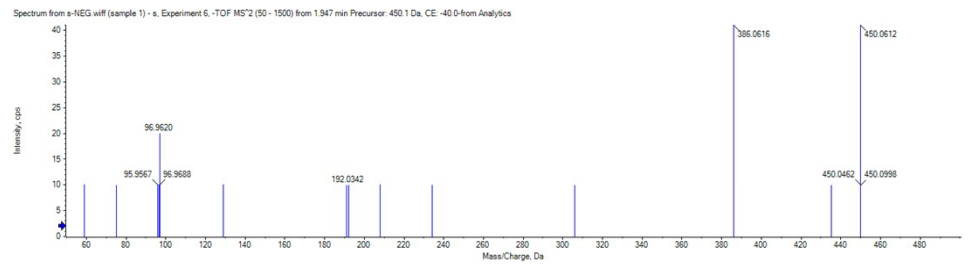
Citric acid



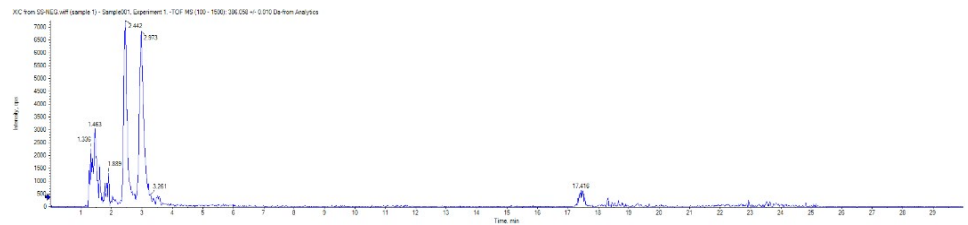
3-Methylbutyl
isothiocyanate



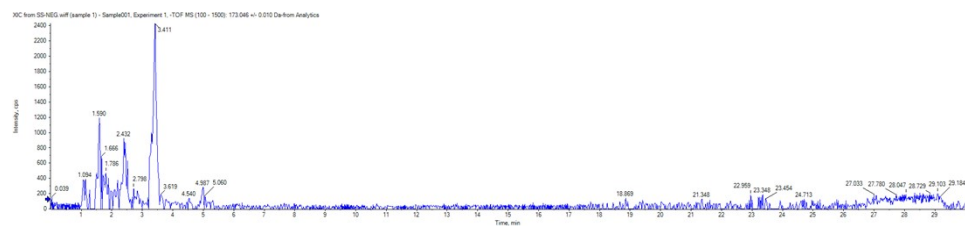
Glucosylsin



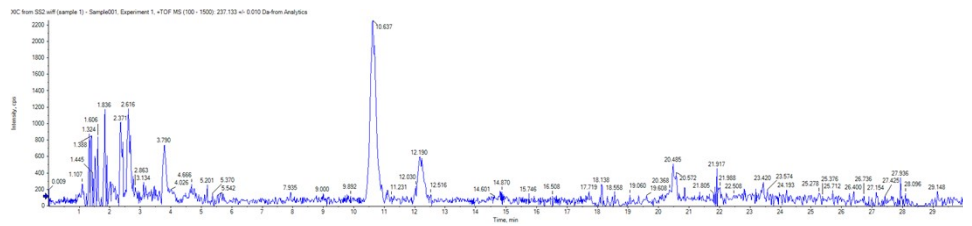
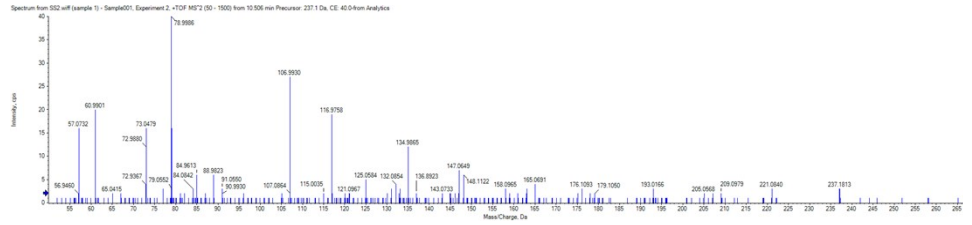
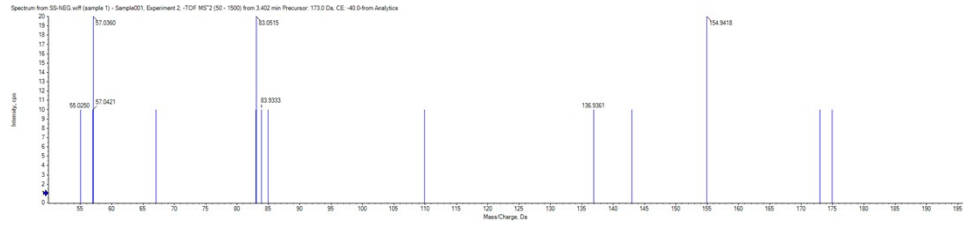
Glucobrassicina
pin



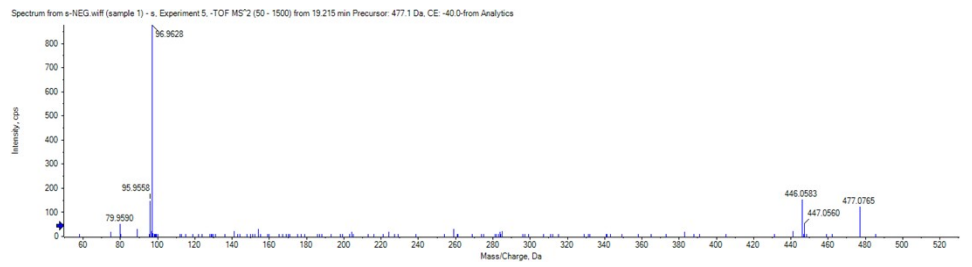
Shikimic acid



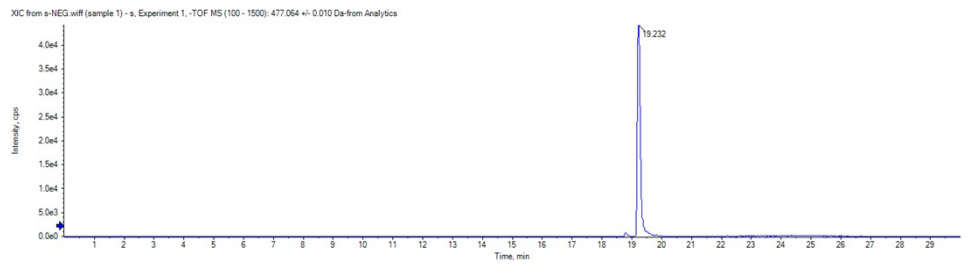
n-butyl β -D-fructofuranoside



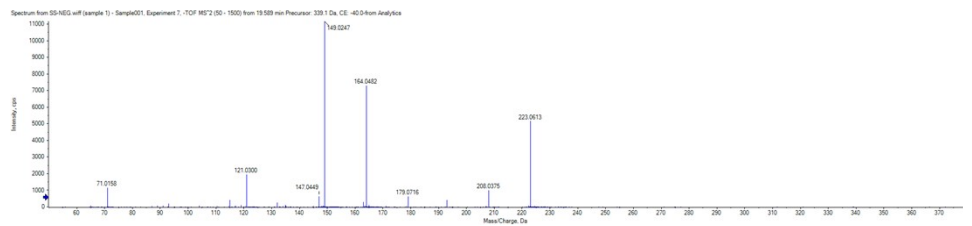
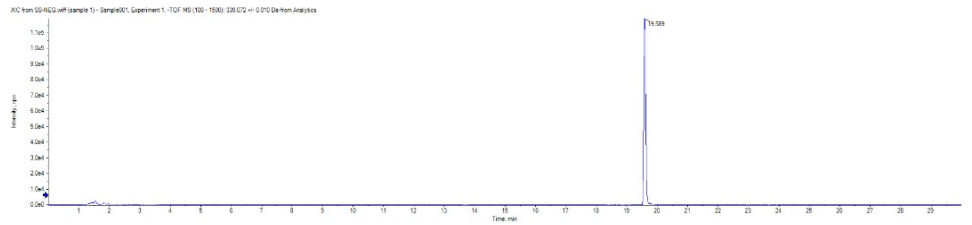
Neoglucobrassicin



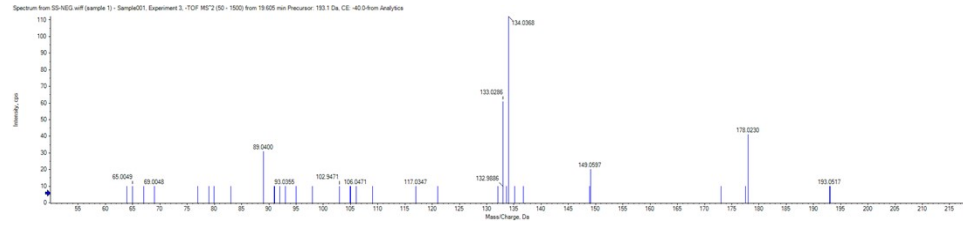
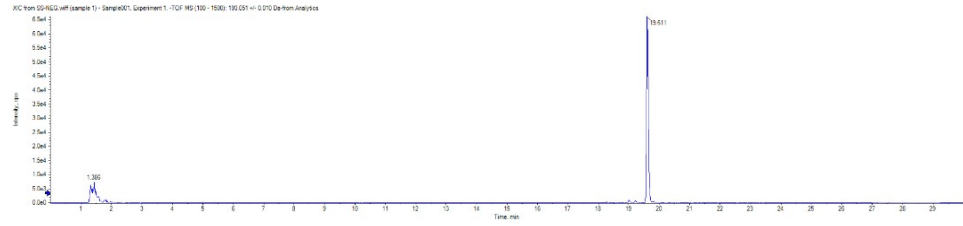
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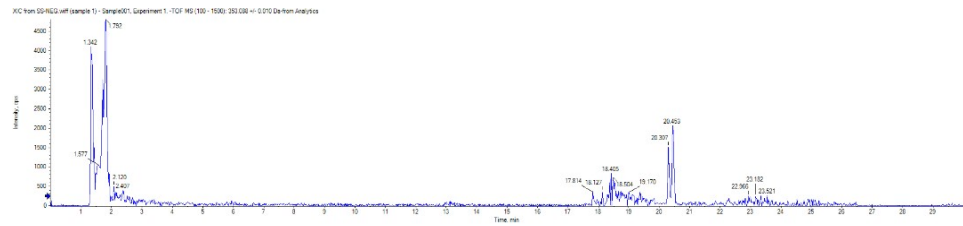
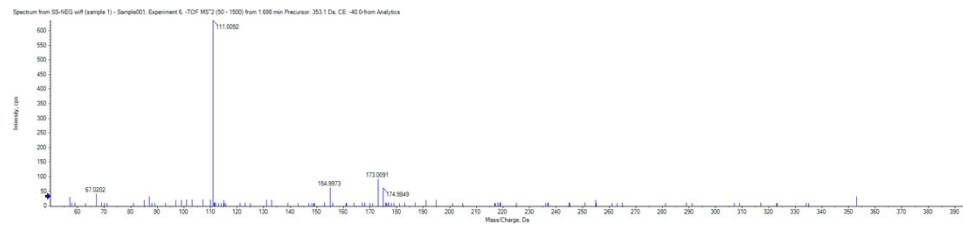
Sinapoyl Malate



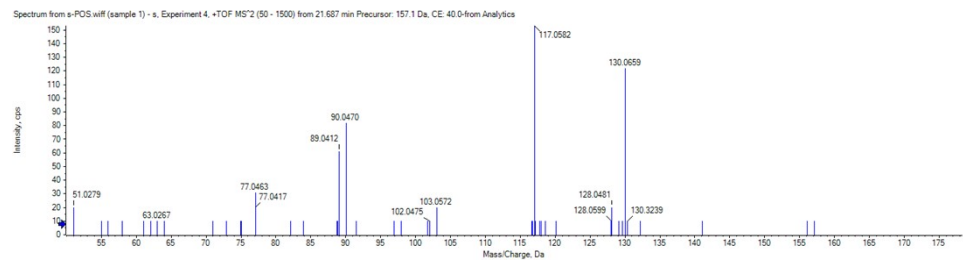
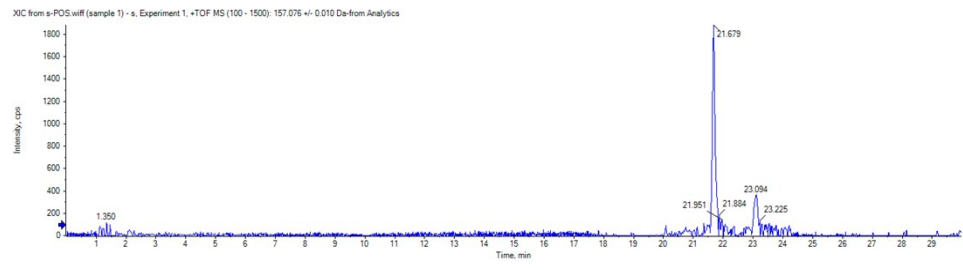
Ferulic acid



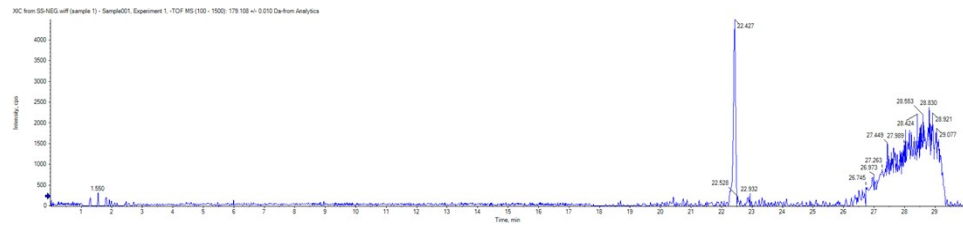
Chlorogenic acid

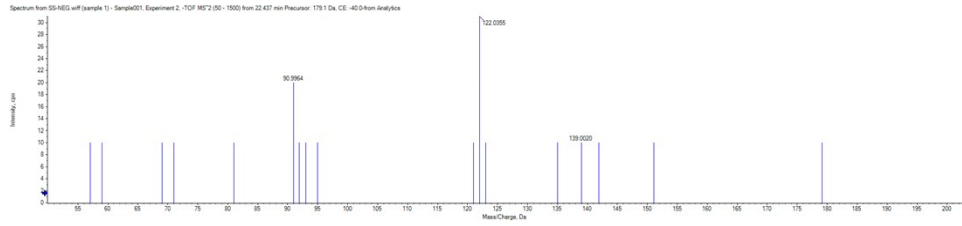


Indoleacetonitril

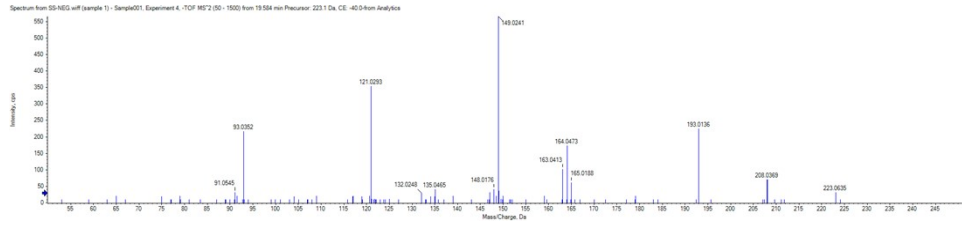


Dihydroactinidiolide

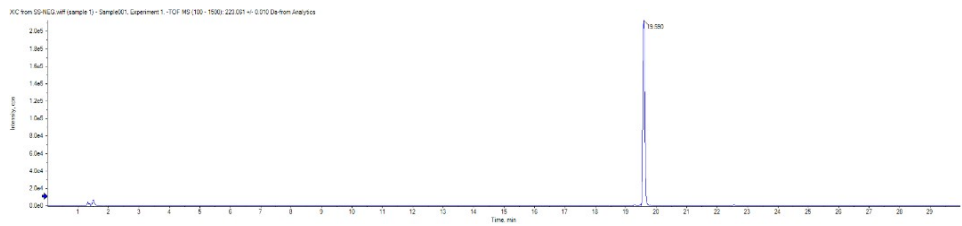




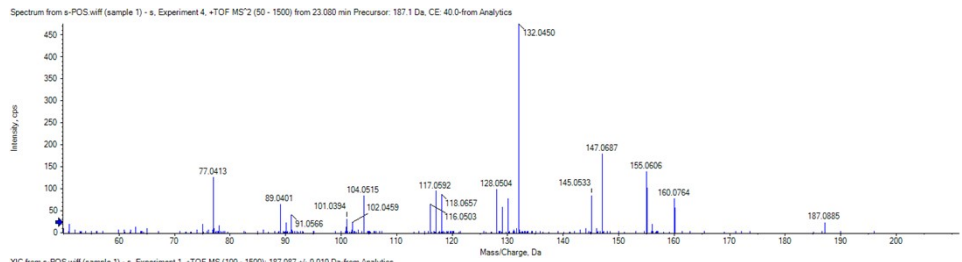
Sinapic acid



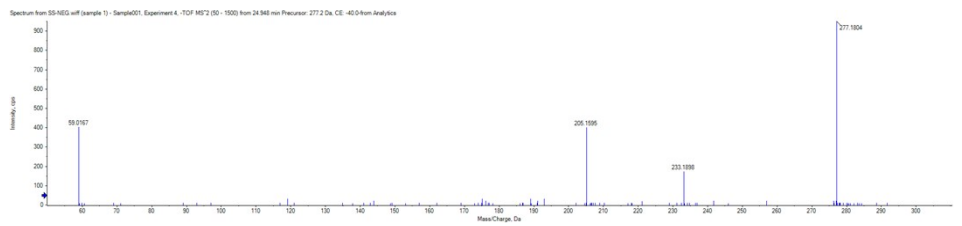
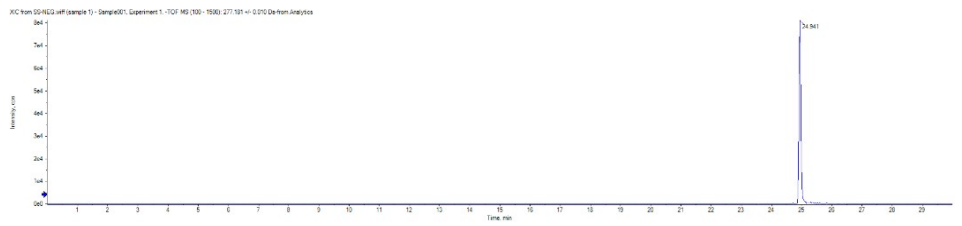
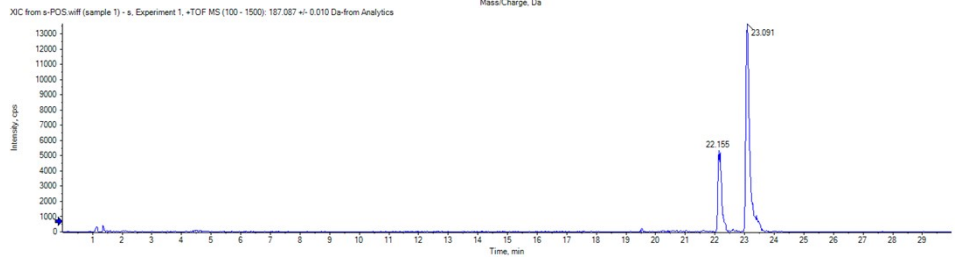
Arvelexin



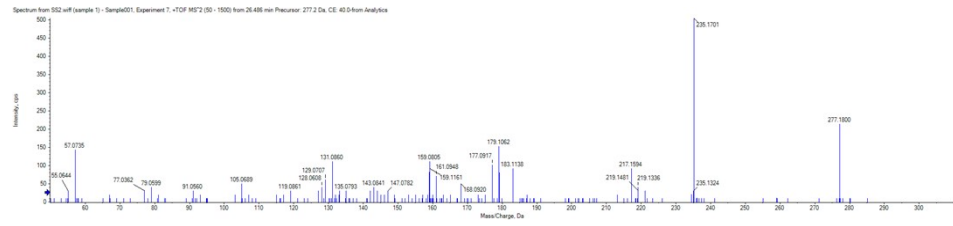
Arvelexin



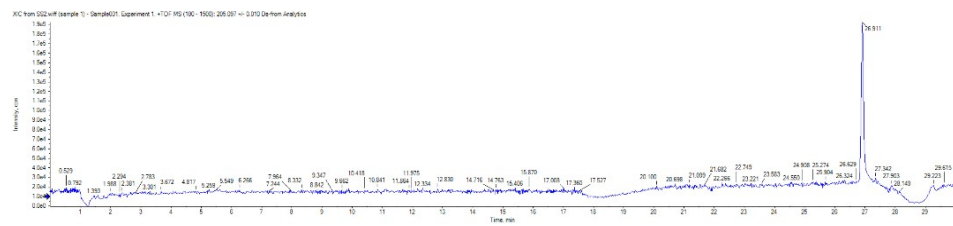
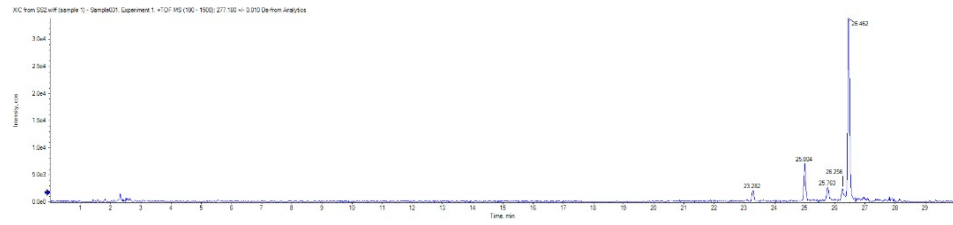
6-paradol



Trans-6-shogaol



Caulilexin B



Erucic acid

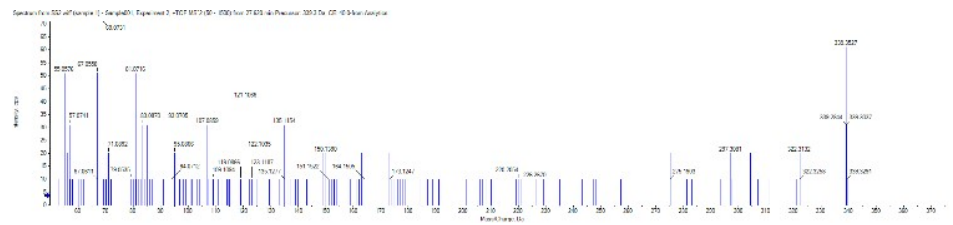
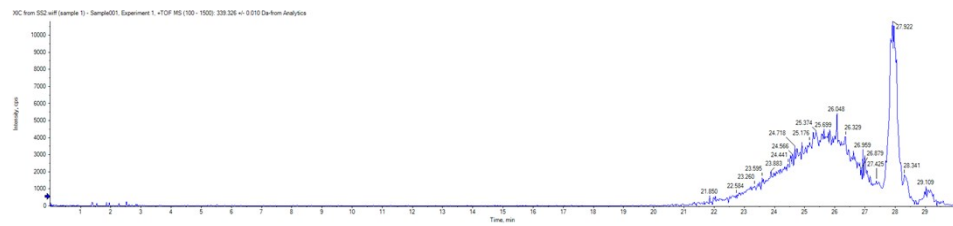


Table S2 Anti-fatigue target of active ingredients of *Brassica rapa* L.

	Target	Degree	Classification		Target	Degree	Classification
1	CYP3A4	8	Enzyme	20	ABCB1	2	Transporter
2	PDGFRB	12	Kinase	21	MET	8	Kinase
3	TERT	6	Enzyme	22	PIK3CB	8	Kinase
4	HSP90AA1	26	Chaperone	23	AR	14	Nuclear receptor
5	SRC	34	Kinase	24	ESR1	14	Nuclear receptor
6	ADORA1	2	G-protein coupled receptor	25	ESR2	6	Nuclear receptor
7	ADORA3	2	G-protein coupled receptor	26	FLT3	6	Kinase
8	ADA	4	Enzyme	27	BRAF	4	Kinase
9	HRAS	24	Enzyme modulator	28	F2	6	Enzyme
10	MAPK14	10	Kinase	29	ALK	2	Kinase
11	STAT3	28	Nucleic acid binding	30	MMP2	8	Enzyme
12	EGFR	18	Kinase	31	NOS2	8	-
13	GSK3B	2	Kinase	32	ABL1	8	Kinase
14	RAF1	10	Kinase	33	SLC6A4	2	Transporter
15	MAOA	4	-	34	TNF	8	Signaling
16	PTGS1	4	Enzyme	35	MMP9	6	Enzyme
17	PTGS2	4	Enzyme	36	MPO	2	Enzyme
18	MAOB	4	-	37	HTR1A	2	G-protein coupled receptor
19	CYP2C19	10	-	38	PPARG	2	Nuclear receptor

