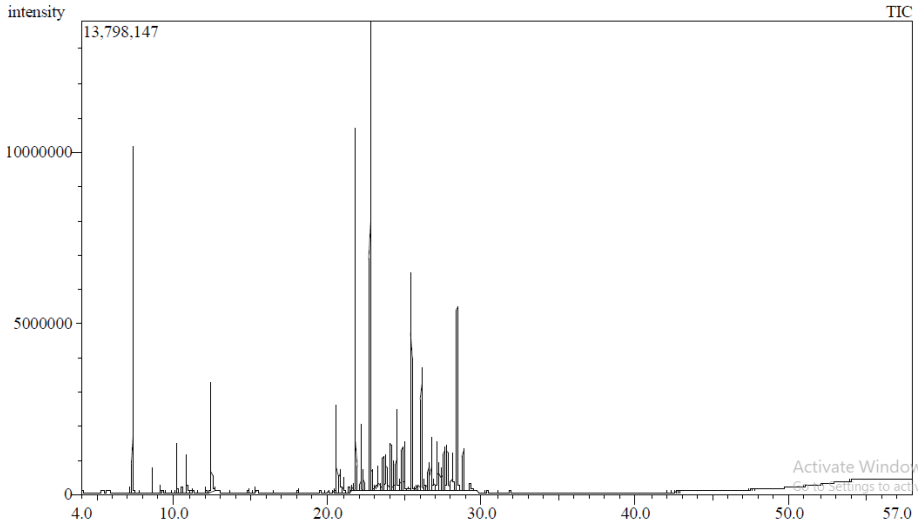


Fig. S1: GC/MS Chromatogram for *P. cattleianum* Sabine leaves essential oil extracted by HD

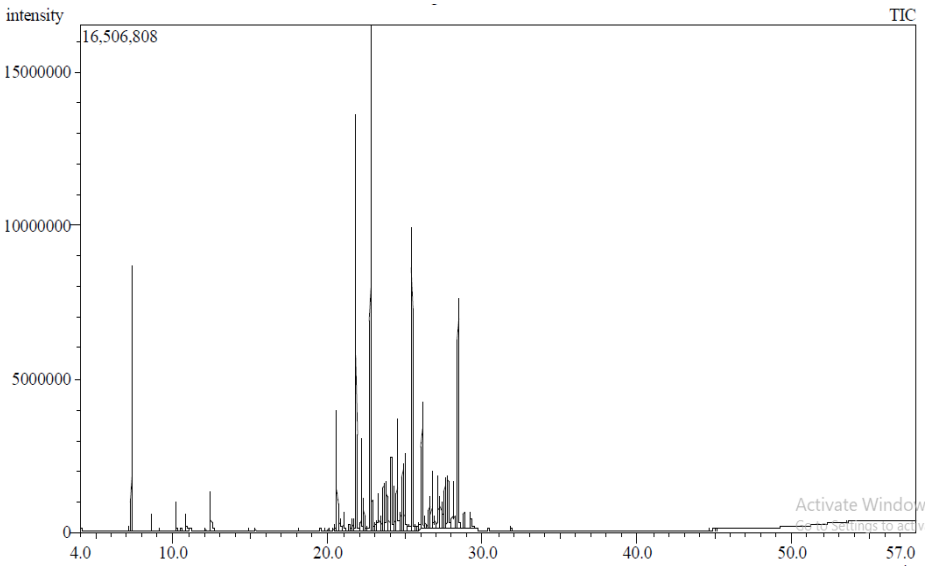


Fig. S2: GC/MS Chromatogram for *P. cattleianum* Sabine leaves essential oil extracted by MAHD

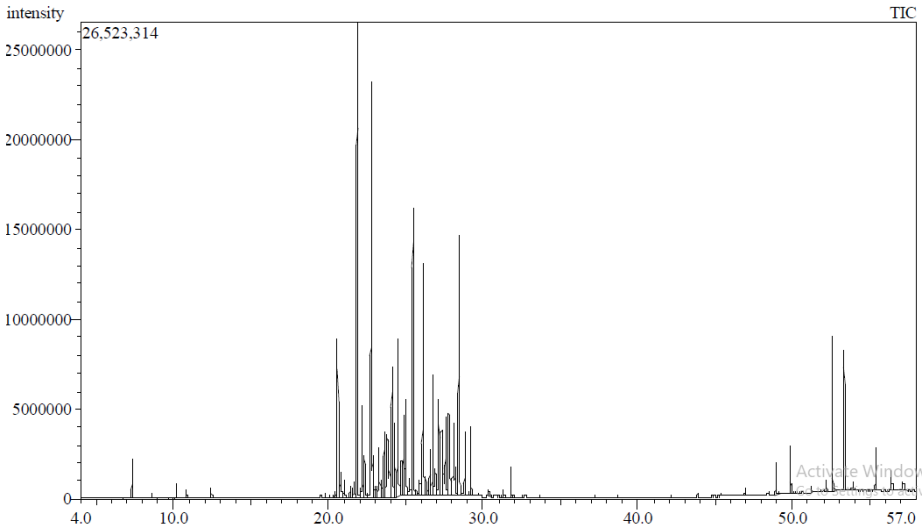


Fig. S3: GC/MS Chromatogram for *P. cattleianum* Sabine leaves essential oil extracted by SFE

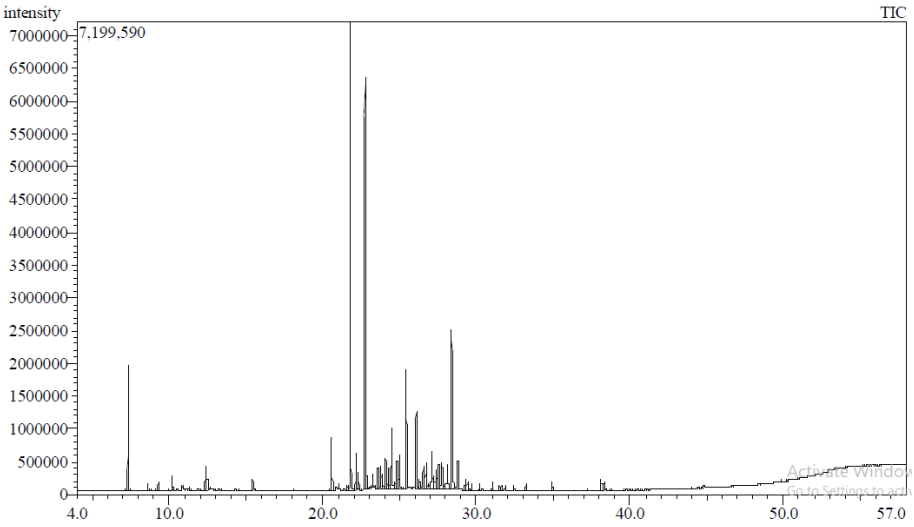


Fig. S4: GC/MS Chromatogram for *P. cattleianum* Sabine flower essential oil extracted by HD

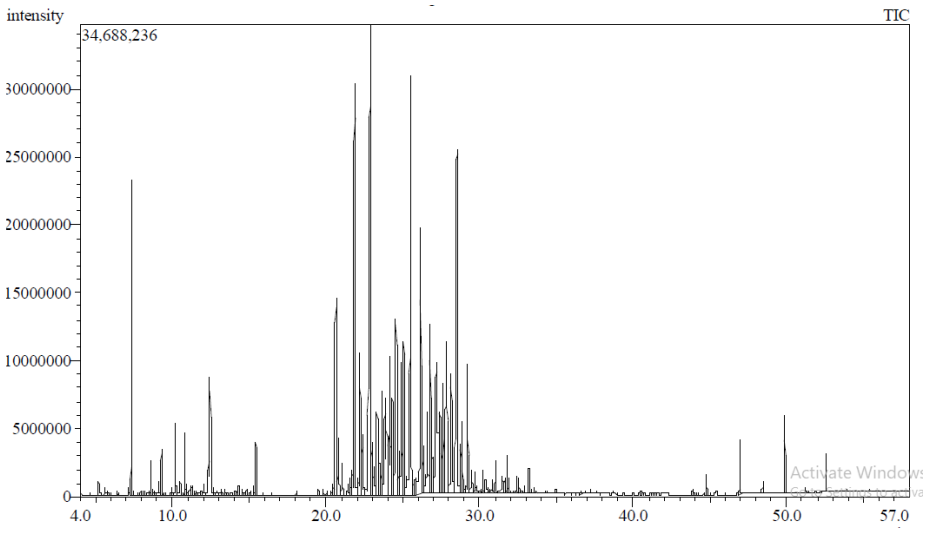


Fig. S5: GC/MS Chromatogram for *P. cattleianum* Sabine flower essential oil extracted by MAHD

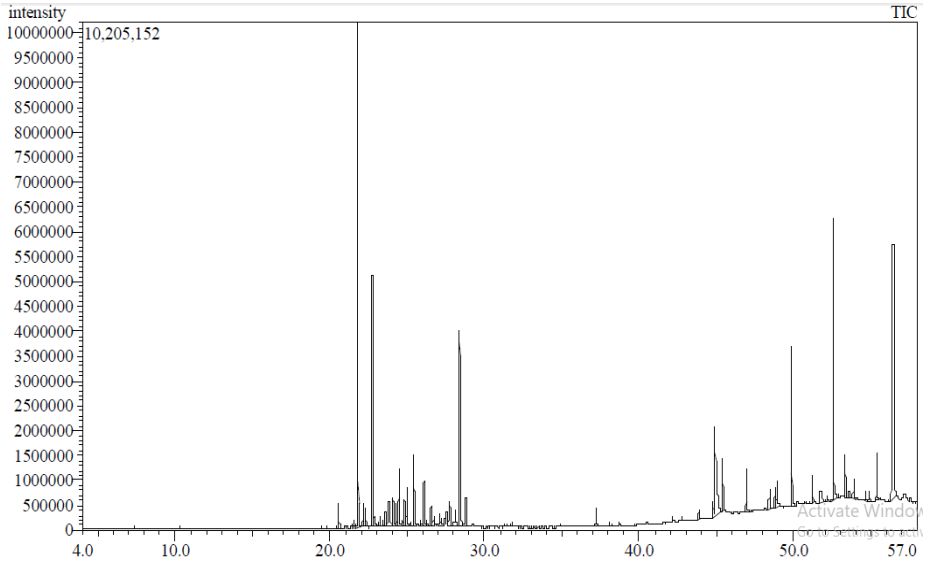
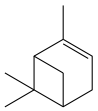
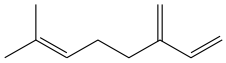


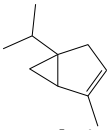
Fig. S6: GC/MS Chromatogram for *P. cattleianum* Sabine flower essential oil extracted by SFE



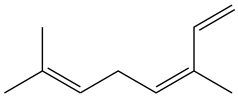
***α*-pinene**



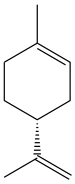
***β*-Myrcene**



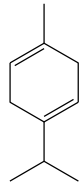
***α*-Thujene**



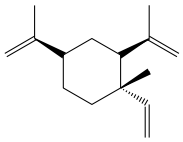
***cis*-*β*-Ocimene**



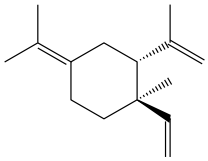
D-limonen



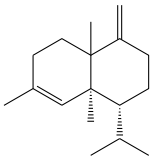
γ-Terpinene



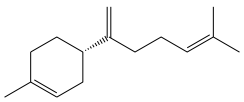
***β*-Elemene**



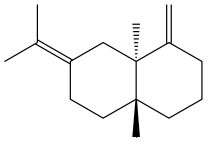
***α*-Elemene**



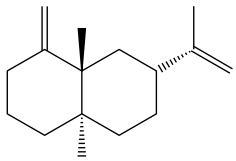
γ-Muurolene



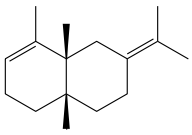
***β*-Bisabolene**



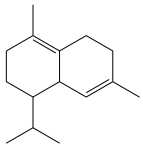
γ –Selinene



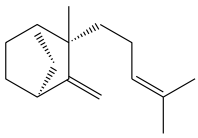
Eudesma-4(14),11-diene= *β* – Selinene



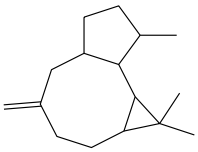
Selina-3,7(11)-diene



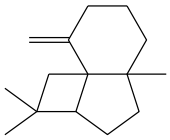
Cadina-1(10),4-diene



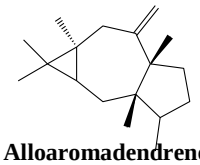
***β*-santalene**



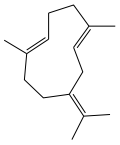
Aromandendrene



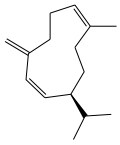
***β*-Panansinene**



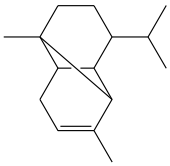
Alloaromadendrene



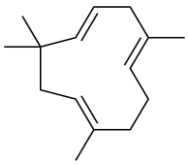
Germacrene B



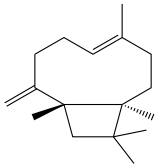
Germacrene D



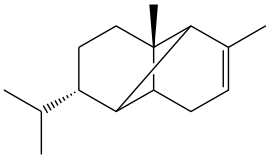
***α*-Copaene**



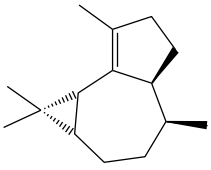
***α*-Humulene**



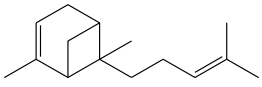
***β*-Caryophyllene**



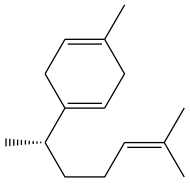
Ylangene



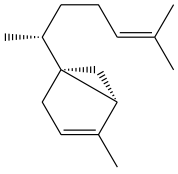
***α*-Gurjunene**



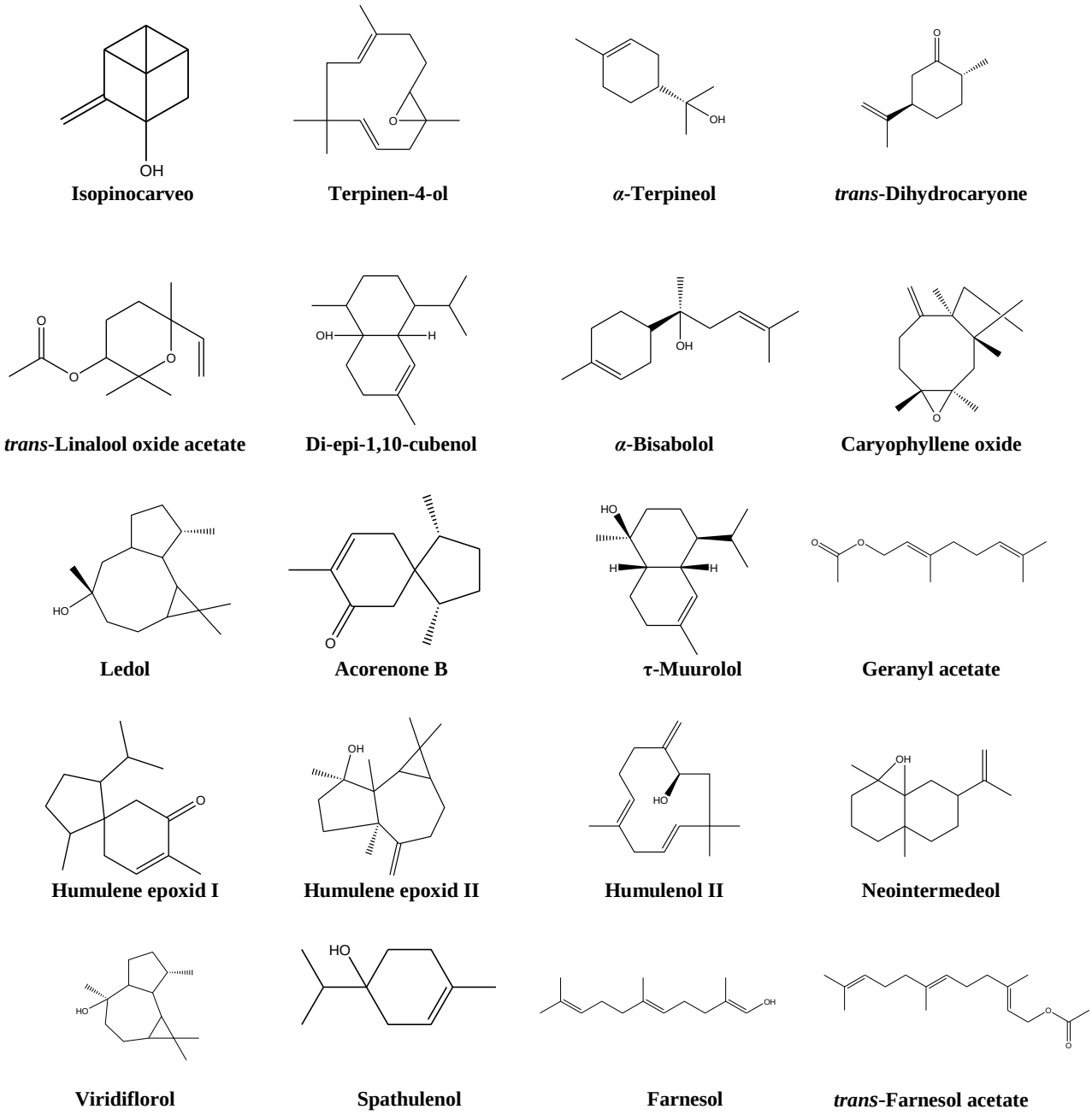
***trans*-*α*-Bergamotene**



***β*-Curcumene**



7-*epi*-Sesquithujene



Isopinocarveo | **Terpinen-4-ol** | ***α*-Terpineol** | ***trans*-Dihydrocaryone**

***trans*-Linalool oxide acetate** | **Di-epi-1,10-cubenol** | ***α*-Bisabolol** | **Caryophyllene oxide**

Ledol | **Acorenone B** | **τ-Muurolol** | **Geranyl acetate**

Humulene epoxid I | **Humulene epoxid II** | **Humulenol II** | **Neointermedeol**

Viridiflorol | **Spathulenol** | **Farnesol** | ***trans*-Farnesol acetate**

Fig. S7. Structures of the compounds detected in the HD, MAHD and SFE oil samples extracted from the leaves and flowers of *P. cattleianum* Sabine

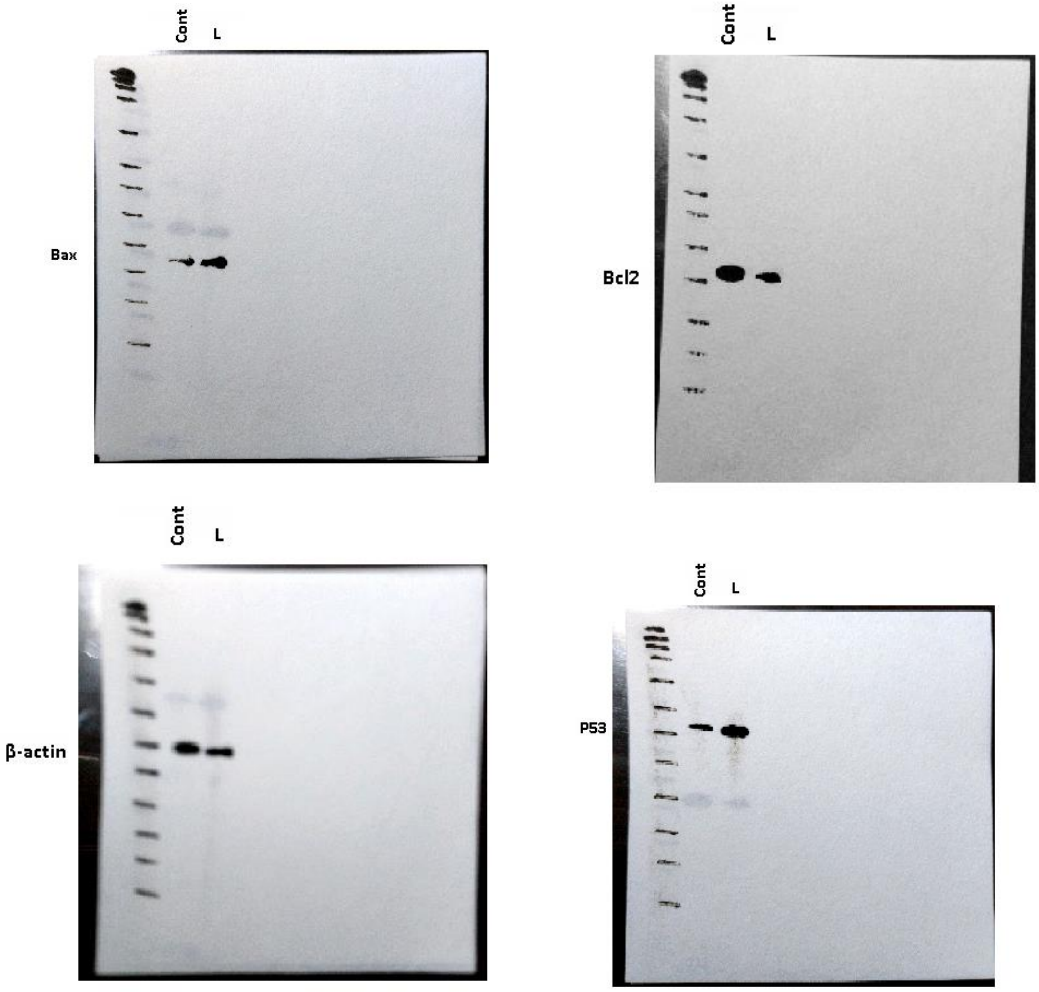


Fig S8: Uncropped, untouched full original image of western blot presenting p53, Bax, Bcl2 and B-actin

Table S1: Percentage of DNA content, early, late apoptotic, and necrotic cells in MCF-7 cells treated with the leaves EO versus control non-treated MCF-7 cells

	G_0-G_1 %	S %	G_2/M %	Pre-G_1%	Apoptosis %			Necrosis %
					Total	Early	Late	
Control cells	58.02	36.19	5.79	1.48	1.48	0.34	0.21	0.93
Treated cells	53.23	42.95	3.82	26.35	26.35	4.15	14.69	7.51