

Supporting Information

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Evaluation of *Ligusticum jeholense* Extracts for Skin Lightening

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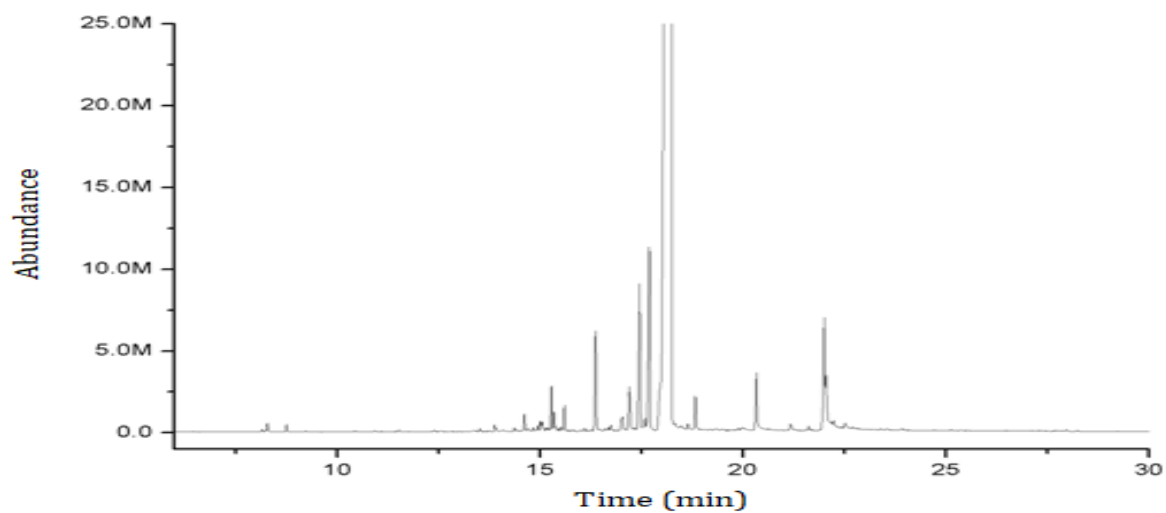
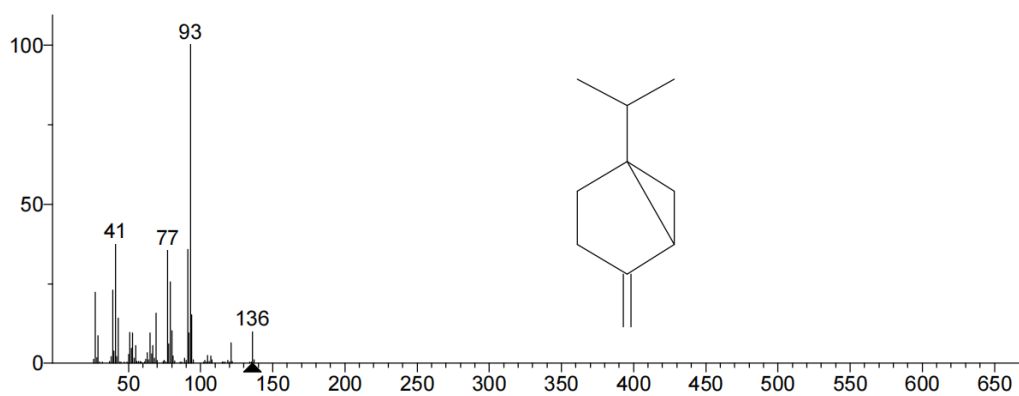
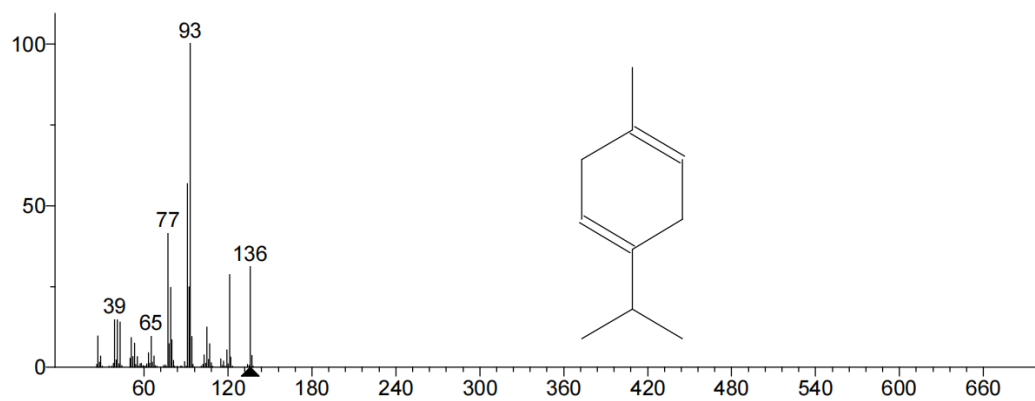


Figure S1: Total extract chromatogram of the GBO

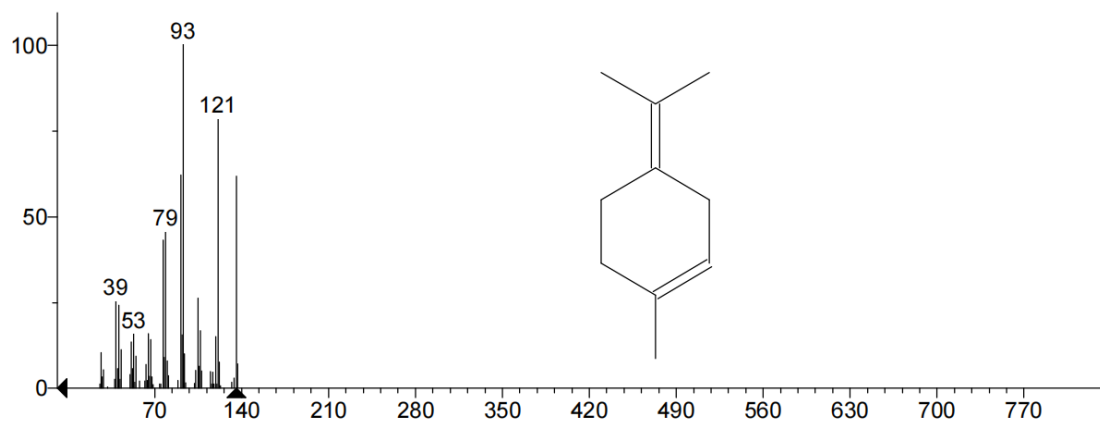


Compound 1: Mass spectrum

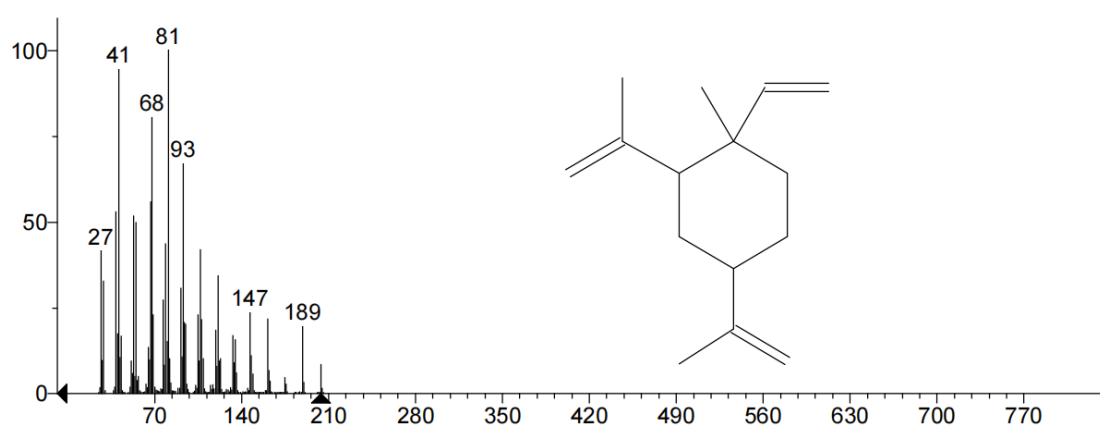


Compound 2: Mass spectrum

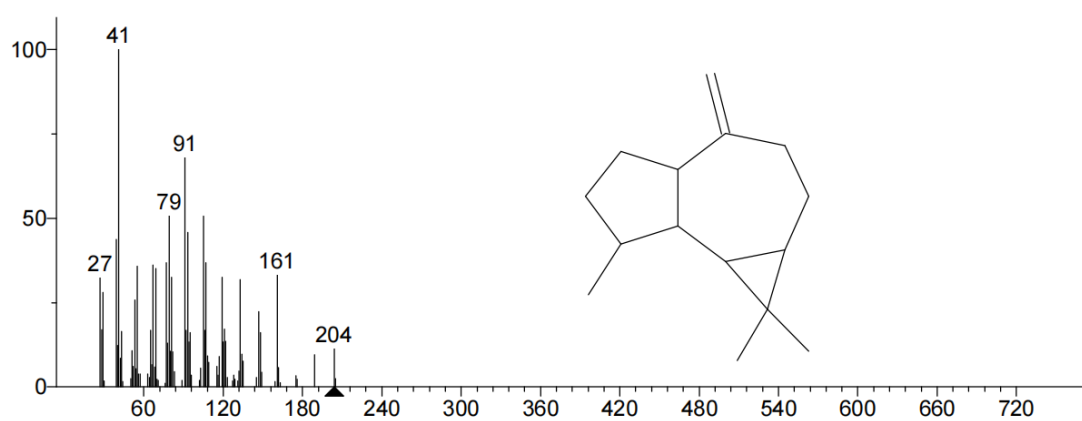
Figure S2: GC-MS spectra of compounds (Continued..)



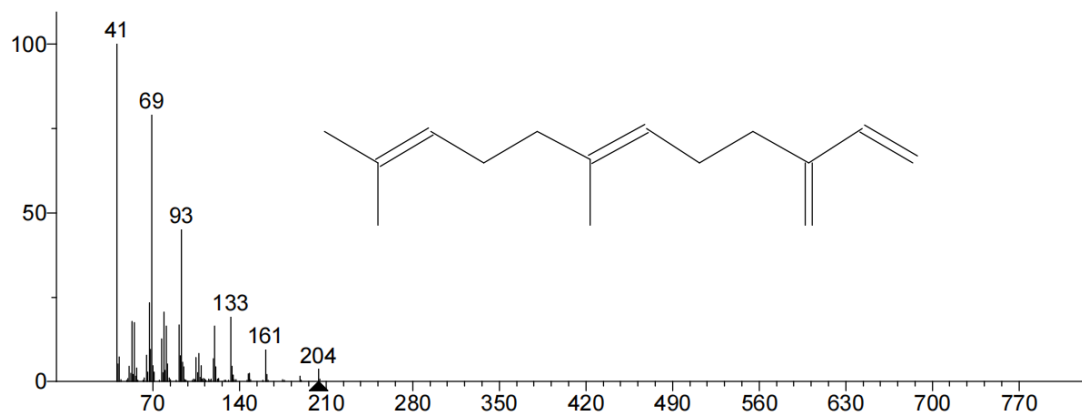
Compound 3: Mass spectrum



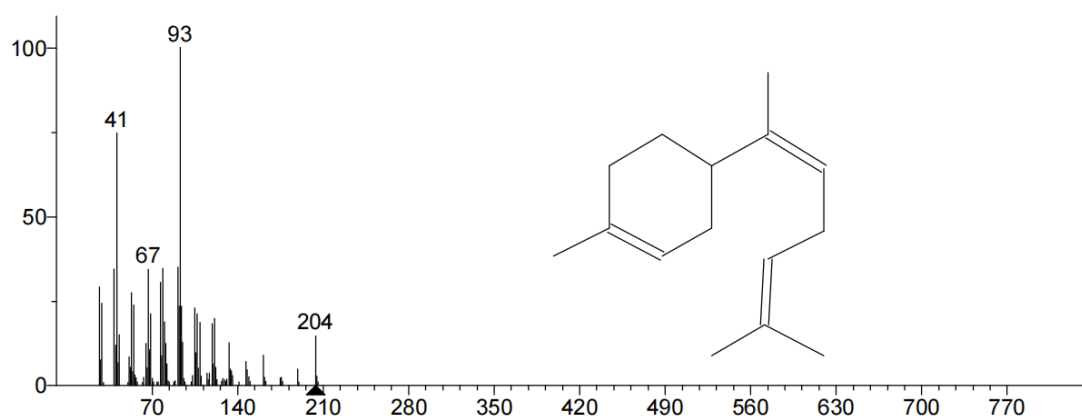
Compound 4: Mass spectrum



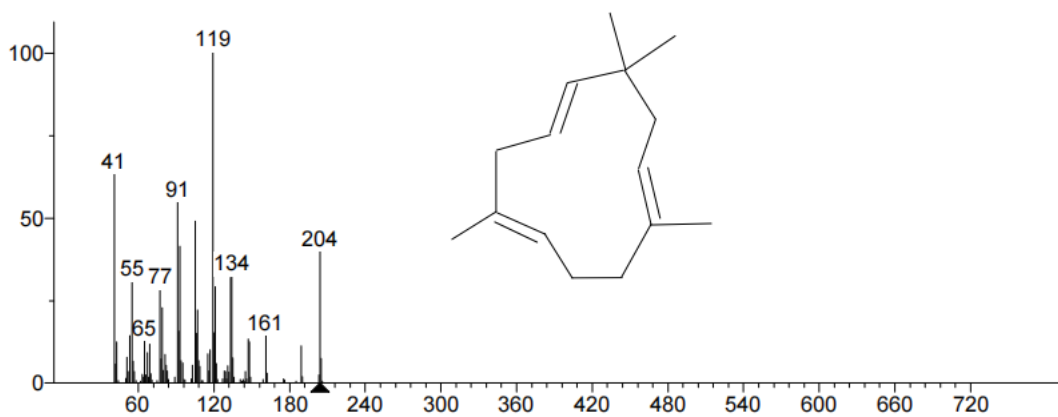
Compound 5: Mass spectrum



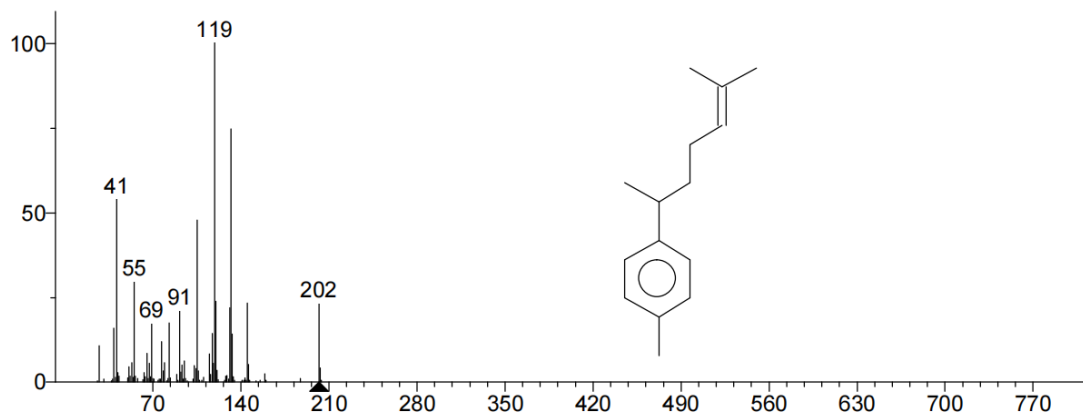
Compound 6: Mass spectrum



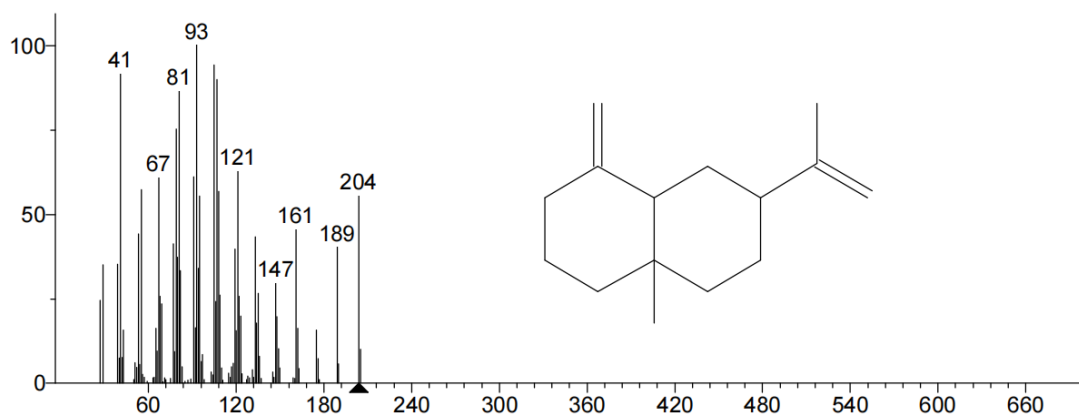
Compound 7: Mass spectrum



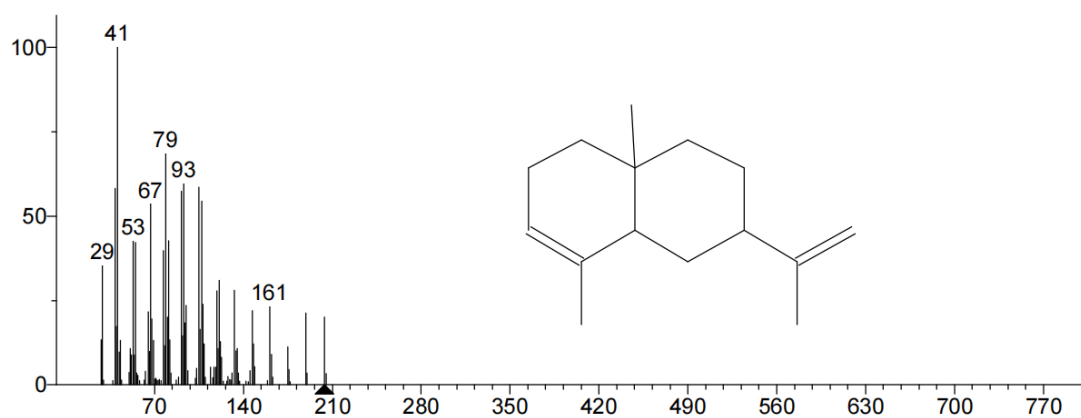
Compound 8: Mass spectrum



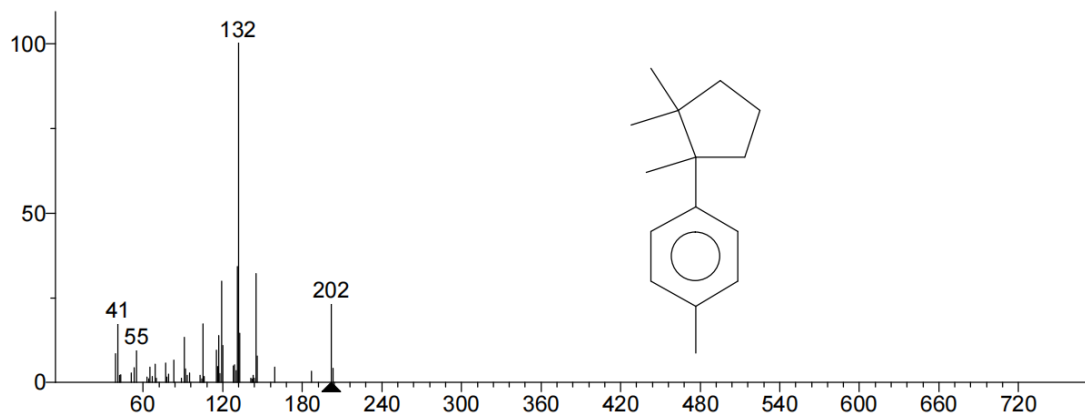
Compound 9: Mass spectrum



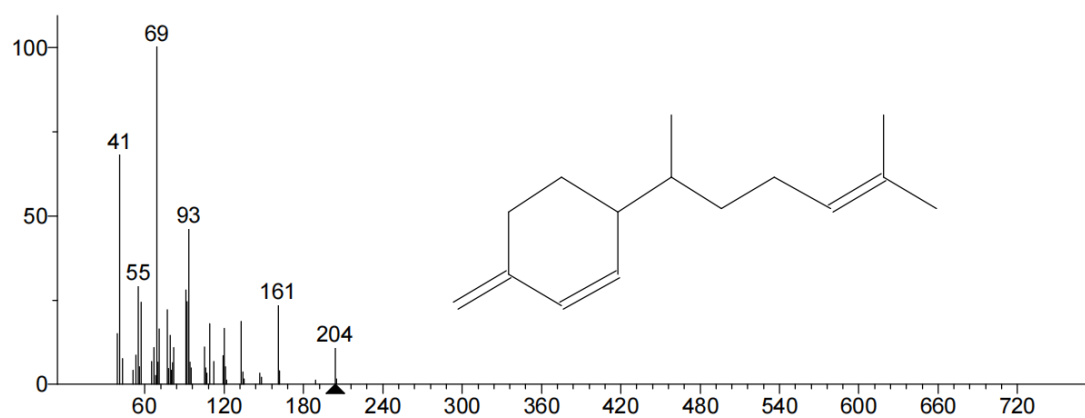
Compound 10: Mass spectrum



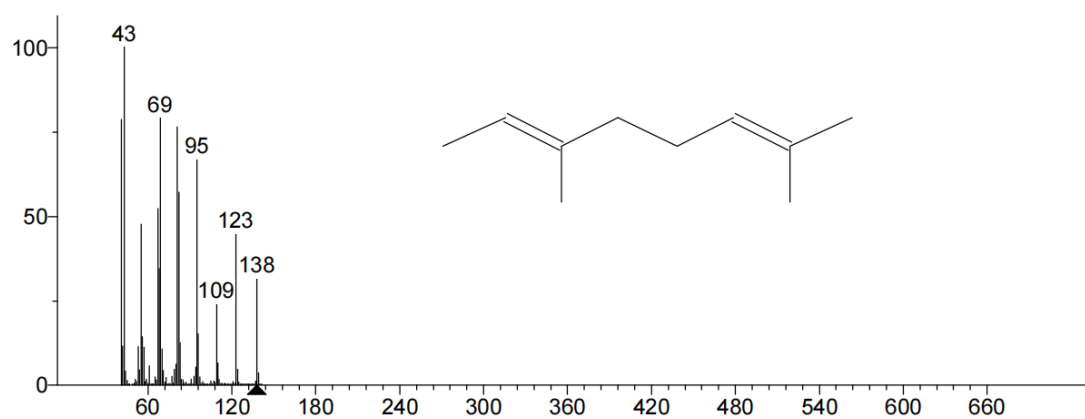
Compound 11: Mass spectrum



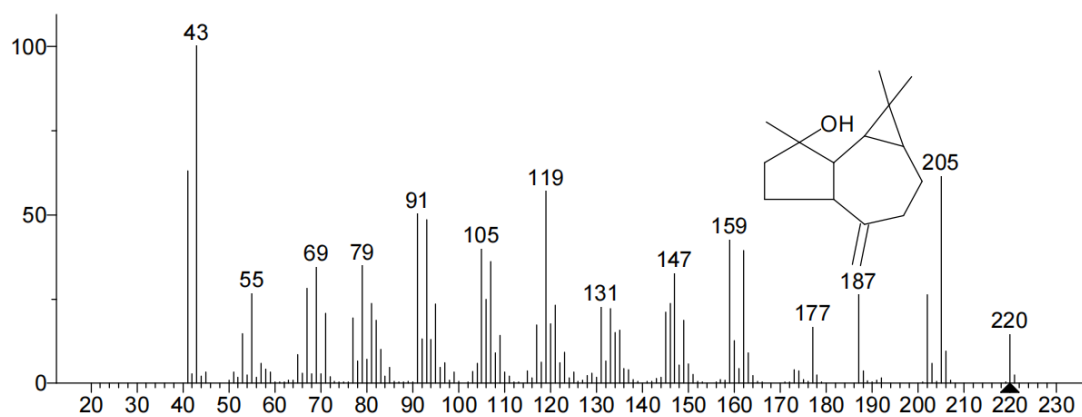
Compound 12: Mass spectrum



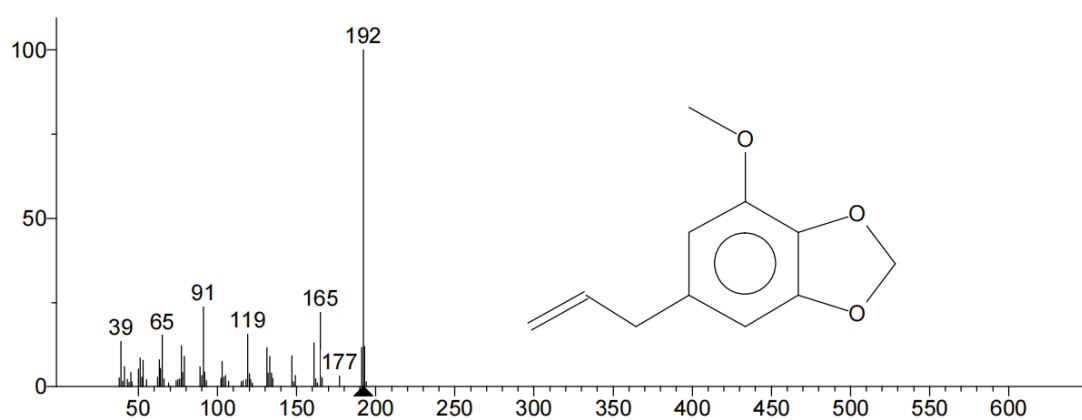
Compound 13: Mass spectrum



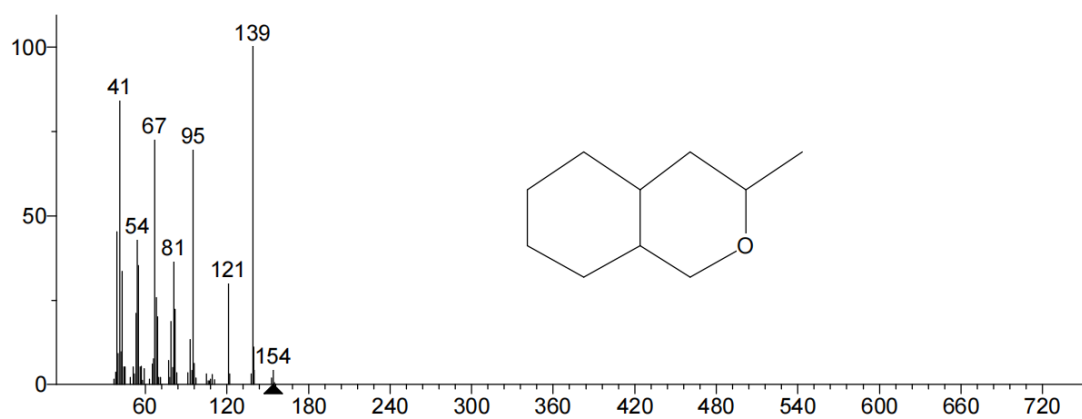
Compound 14: Mass spectrum



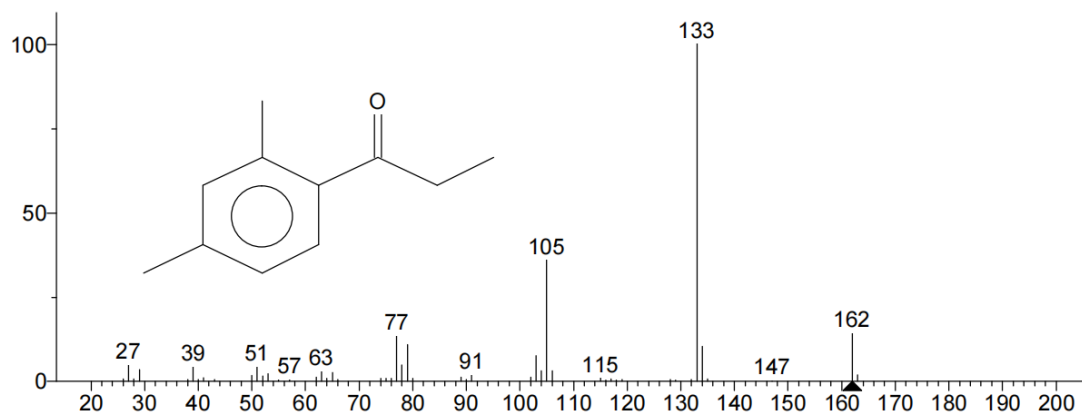
Compound **15** Mass spectrum



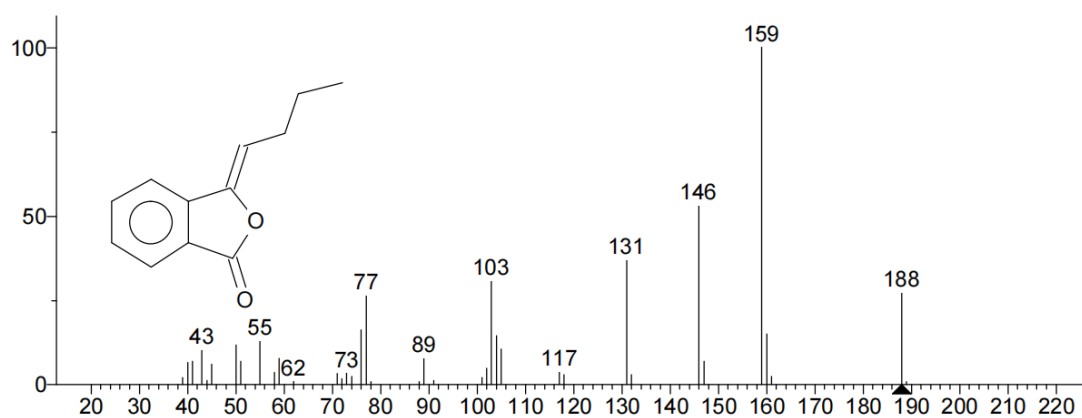
Compound **16**: Mass spectrum



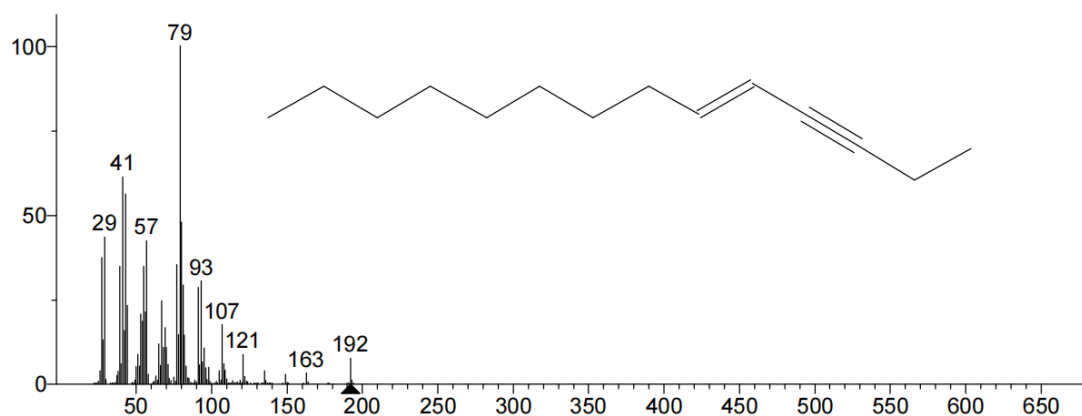
Compound **17**: Mass spectrum



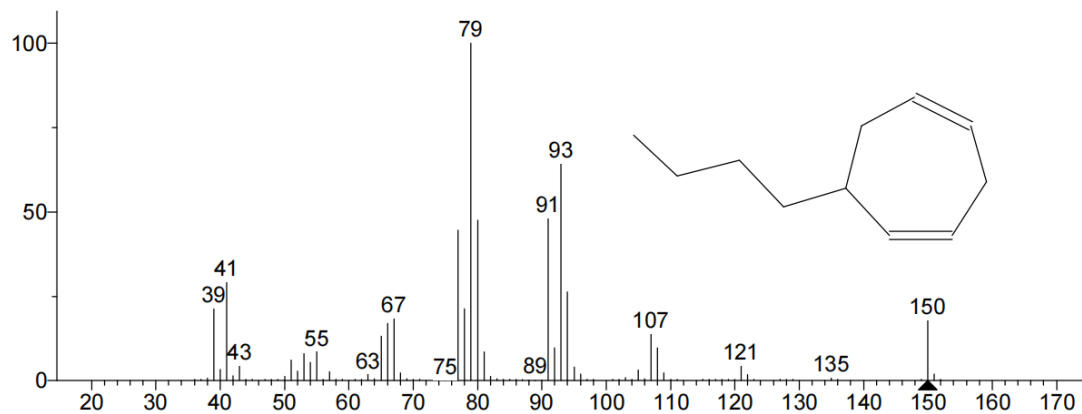
Compound 18: Mass spectrum



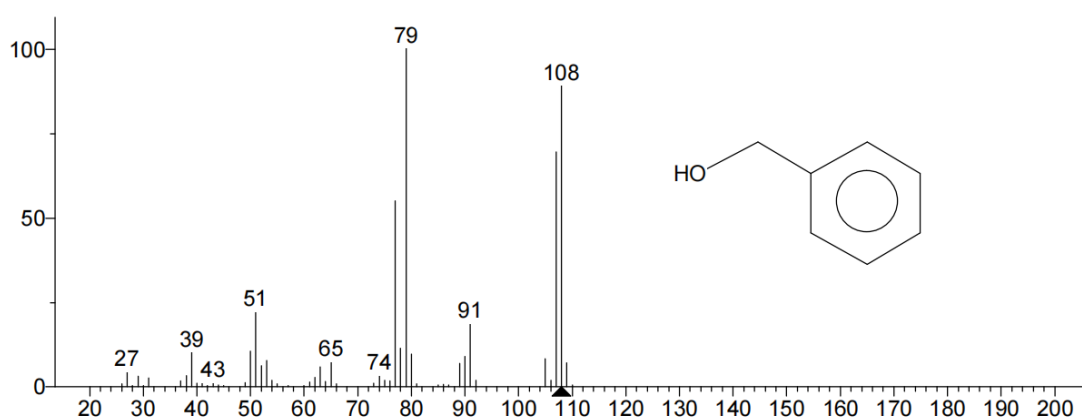
Compound 19: Mass spectrum



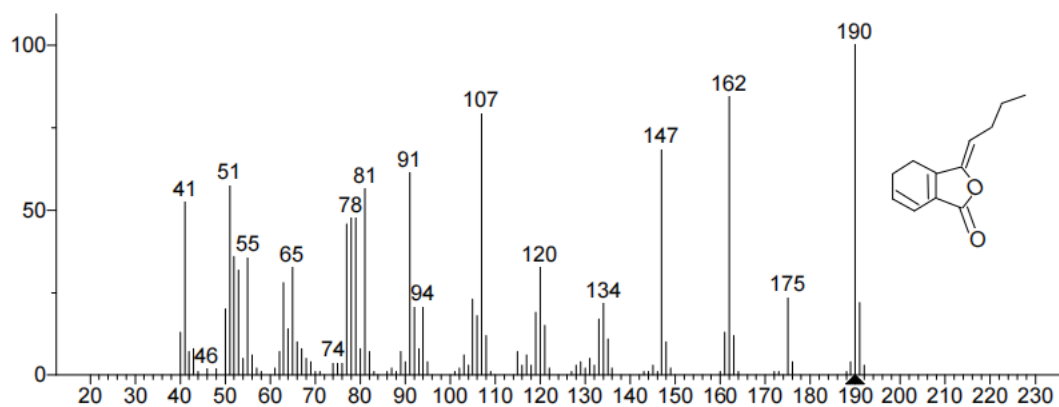
Compound 20: Mass spectrum



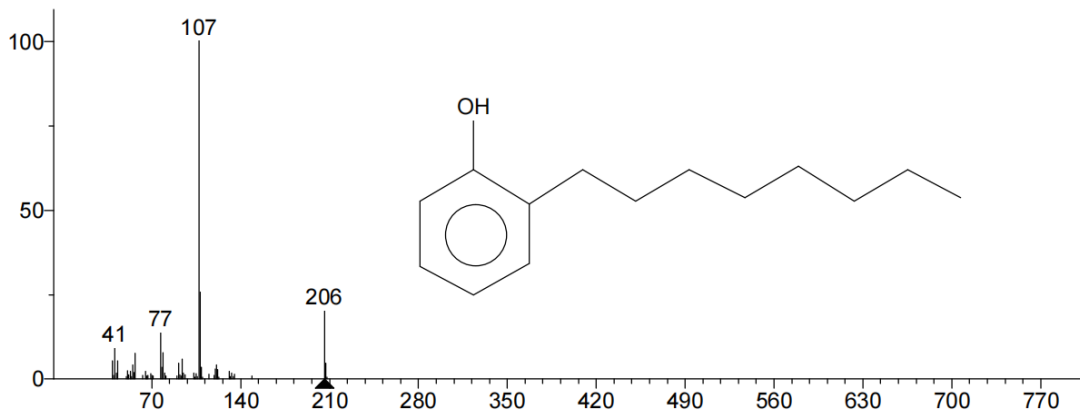
Compound 21: Mass spectrum



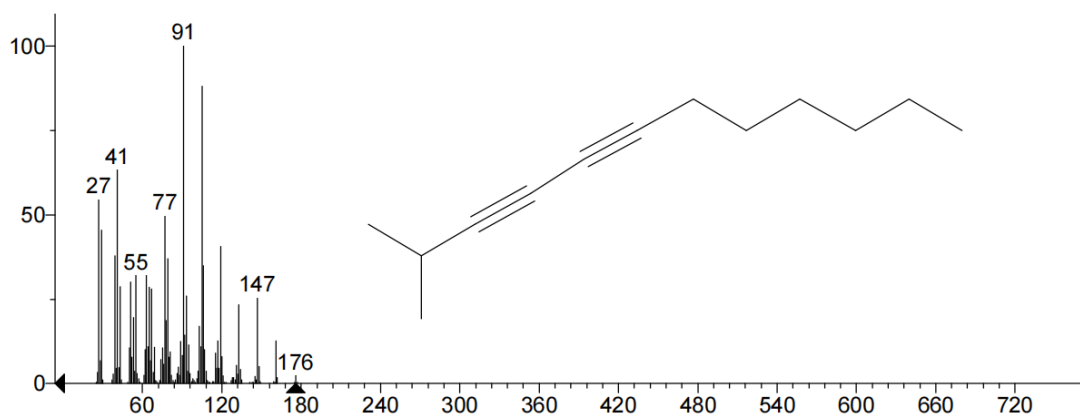
Compound 22: Mass spectrum



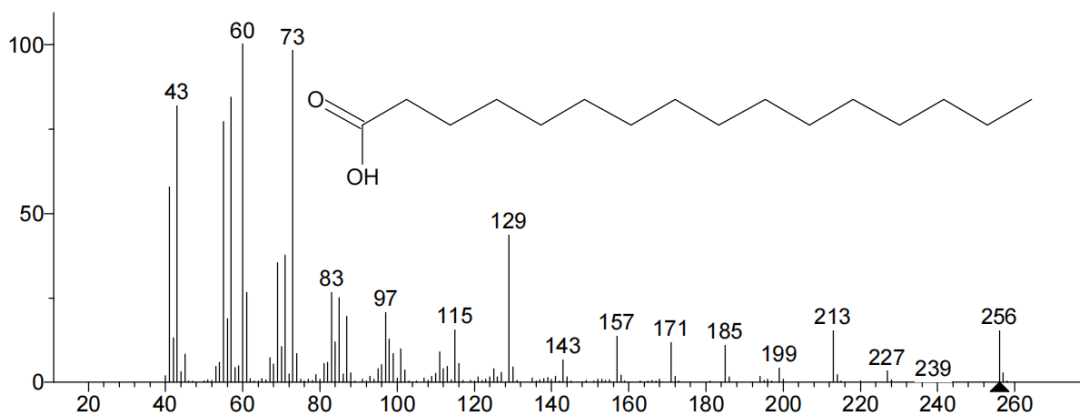
Compound 23: Mass spectrum



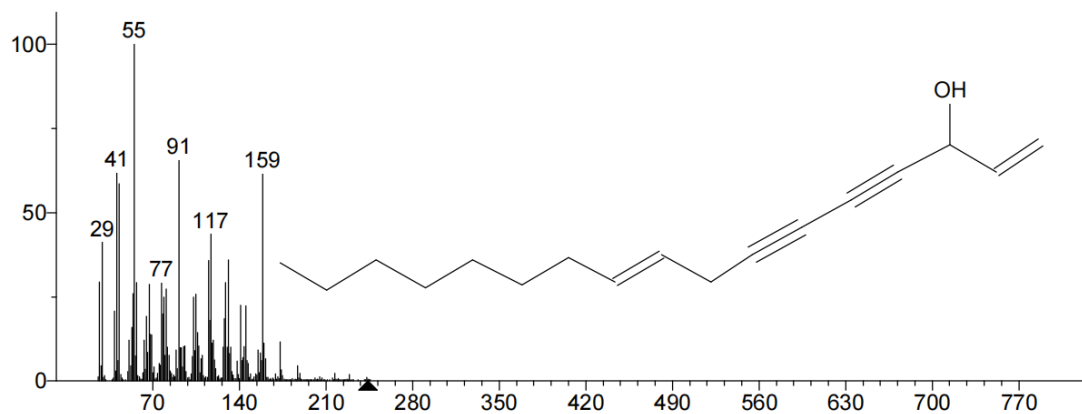
Compound **24**: Mass spectrum



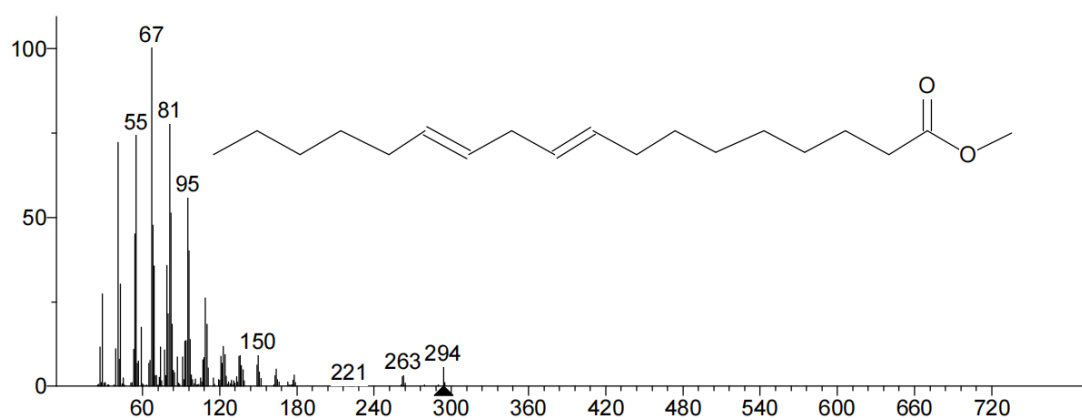
Compound **25**: Mass spectrum



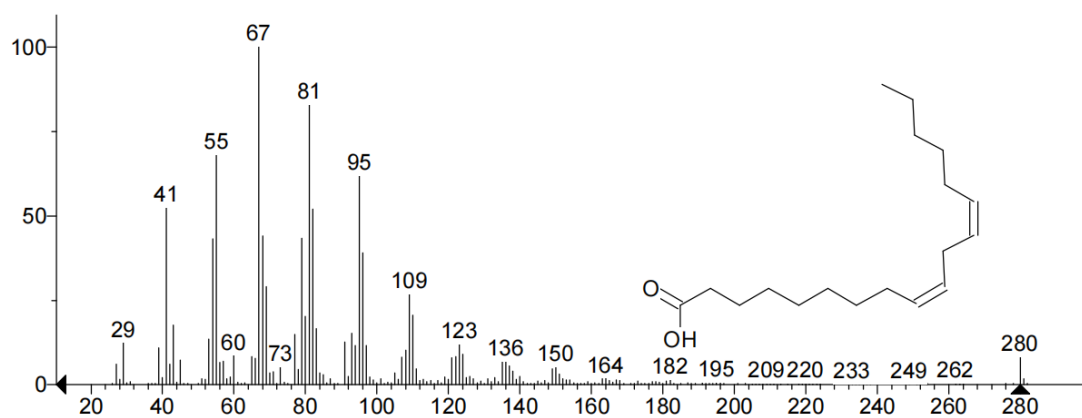
Compound **26**: Mass spectrum



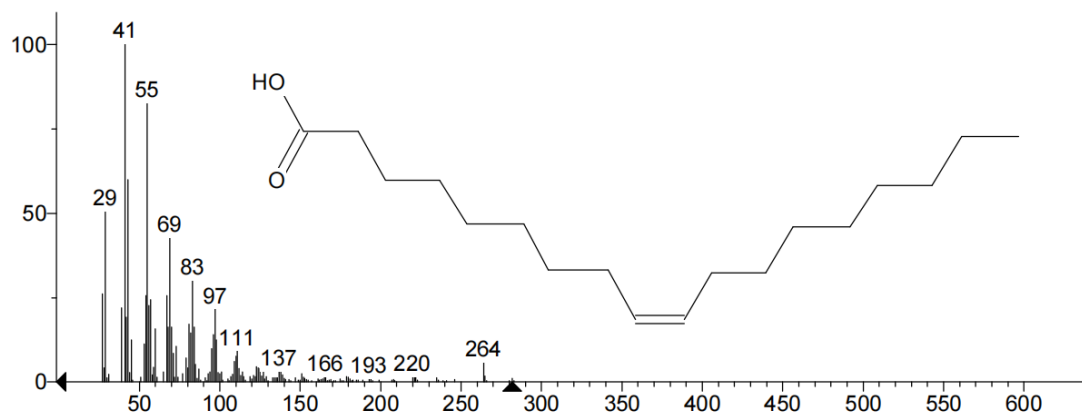
Compound **27**: Mass spectrum



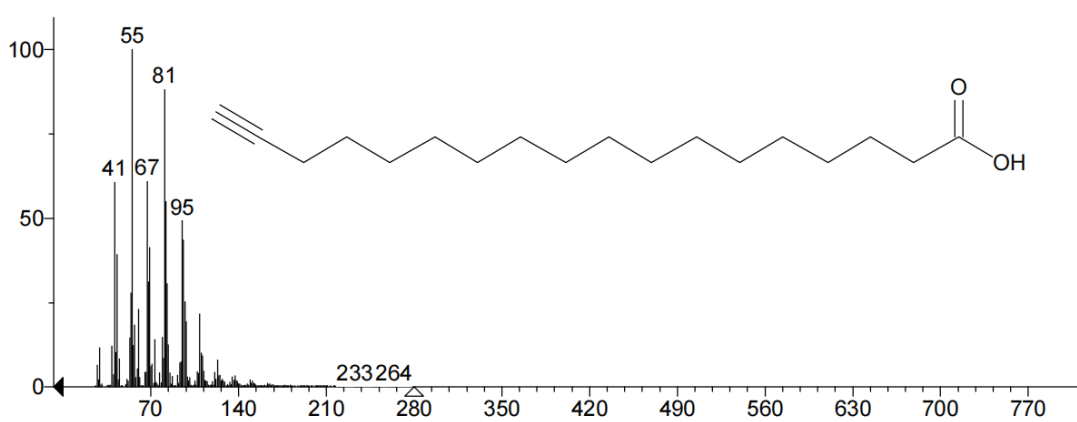
Compound **28**: Mass spectrum



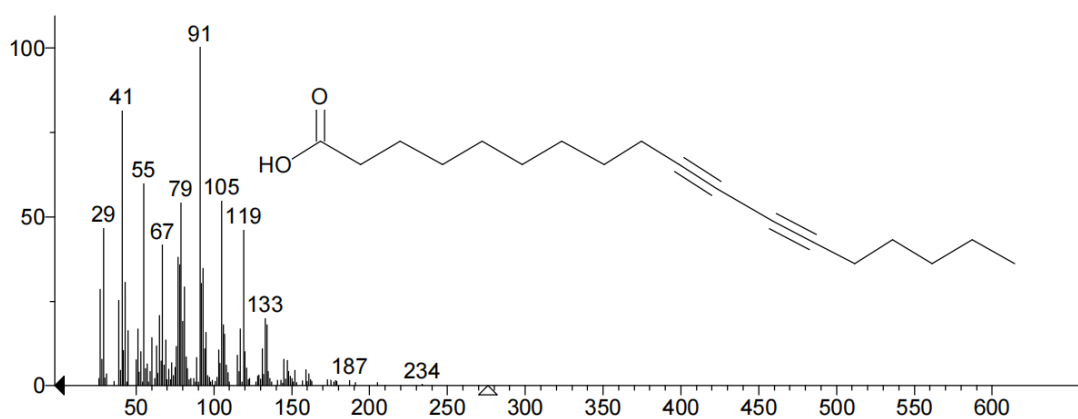
Compound **29**: Mass spectrum



Compound 30: Mass spectrum



Compound 31: Mass spectrum



Compound 32: Mass spectrum