



Figure S1. GC-MS spectral analysis data for Basil seed hexane extract.

Table S1. Basil Seed Hexane extract composition analysis using GC–MS shown 99–95% similarity in the database.

Peak No	Compounds	Molecular formula	Molecular weight	Retention time
1	(2S)-2,3-Dihydroxybutanedioic acid	C ₄ H ₆ O ₆	150	3.231
2	Octodrine	C ₈ H ₁₉ N	129	7.024
3	4a,7-Methano-4aH-naphthoxirene, octahydro-4,4,8,8-tetramethyl-	C ₁₅ H ₂₄ O	220	44.399
4	Colchicine	C ₂₂ H ₂₅ NO ₆	399	45.411
5	Gamabufotalin	C ₂₄ H ₃₄ O ₅	402	49.979
6	Ricinoleic acid	C ₁₈ H ₃₄ O ₃	298	52.649
7	Retinol	C ₂₀ H ₃₀ O	286	59.250
8	β Carotene	C ₄₀ H ₅₆	536	64.912
9	Retinyl acetate	C ₂₂ H ₃₂ O ₂	328	73.714

GC-MS chromatogram of basil seed hexane extract have been presented in S-1 and T-1. Spectral data were compared with NIST-11 library and identified phytochemicals, we found 99%-95% similarity as per the peak values and retention time. Basil seed hexane extract also shown the availability of dihydroxybutanedioic acid, octodriene, colchicine, gamabufotalin, retinol, β carotene and retinyl acetate.