Supporting Information
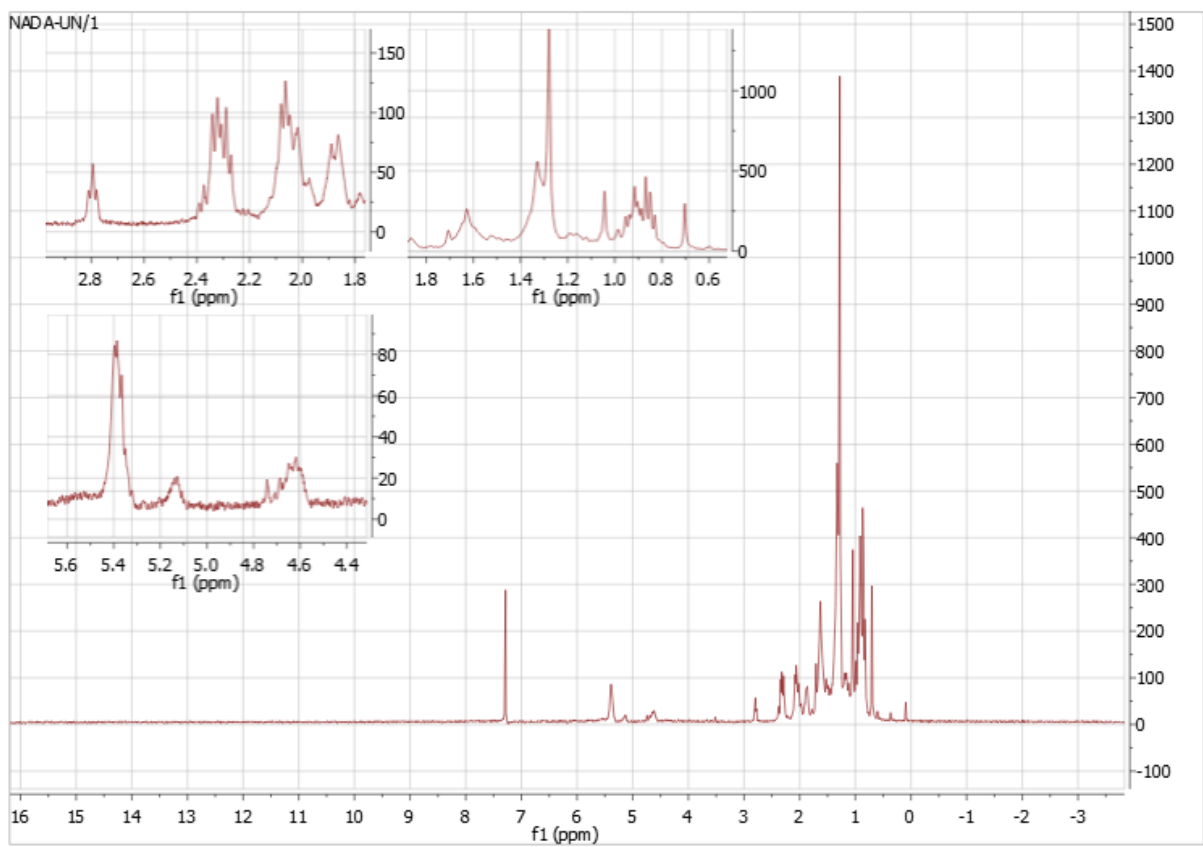
β-Amyrin Rich *Bombax ceiba* Leaf Extract with Potential Neuroprotective Activity against Scopolamine-Induced Memory Impairment in Rats

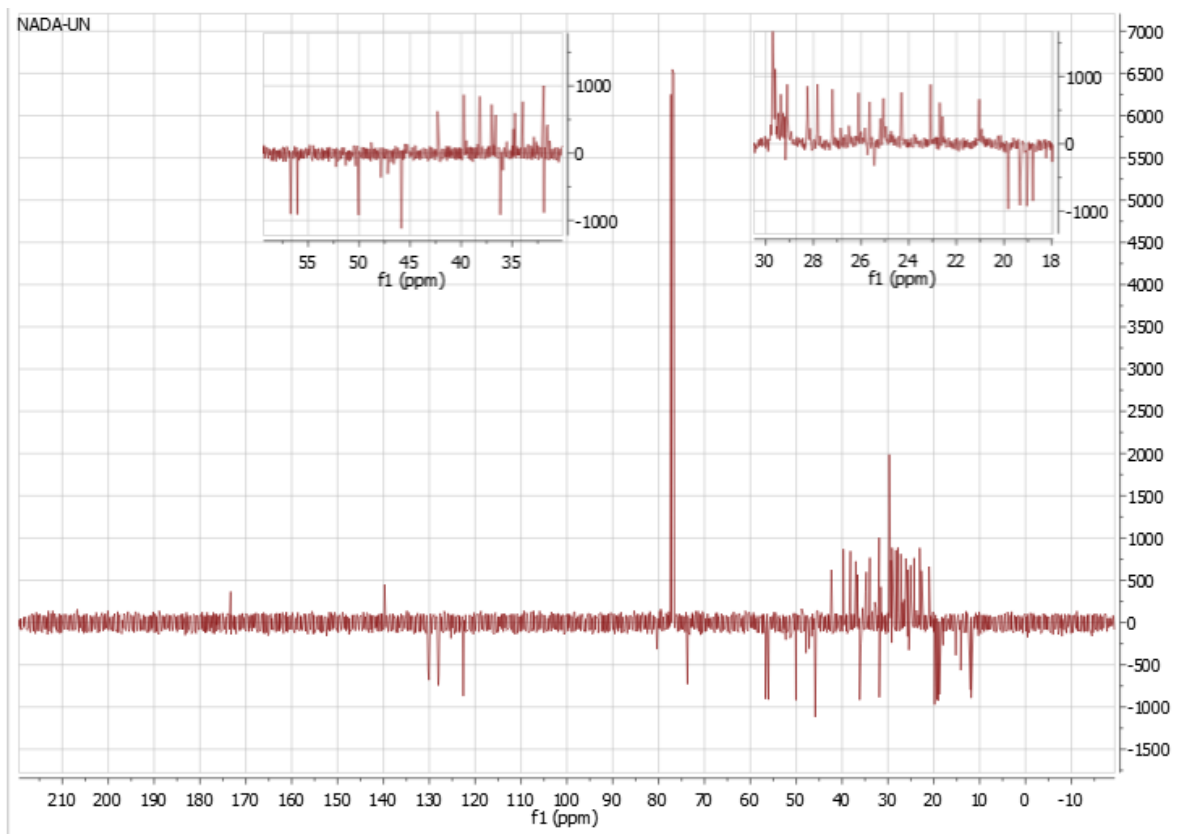**Nada M. Mostafa ***

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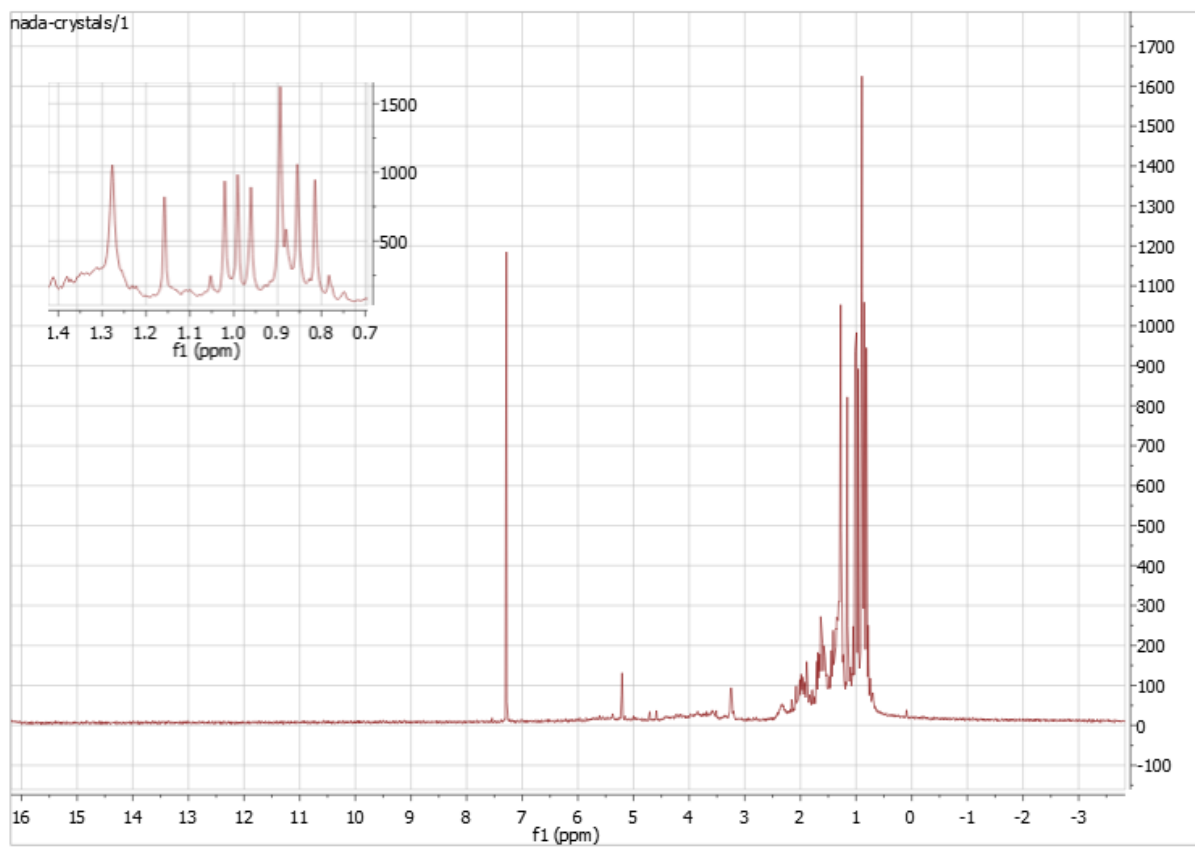
S1. ^{1}H-NMR of compound **1**: β-Sitosterol linoleate, CDCl$_3$.

S2. APT spectrum of compound **1**: β-Sitosterol linoleate, CDCl$_3$.

S3. ^{1}H-NMR of compound **2**: β-Amyrin, CDCl$_3$.

S4. APT spectrum of compound **2**: β-Amyrin, CDCl₃.

S5. GC-MS spectra of major compounds: (a) methyl palmitate, (b) stigmasterol acetate, (c) olean-12-en-3-one, (d) β-amyrin and (e) lupeol, identified in *B. ceiba* leaves extract (BCLE).

S6. The retention indices (RI), percentage composition and mass fragmentation data of unidentified compounds in BCLE hexane fraction.
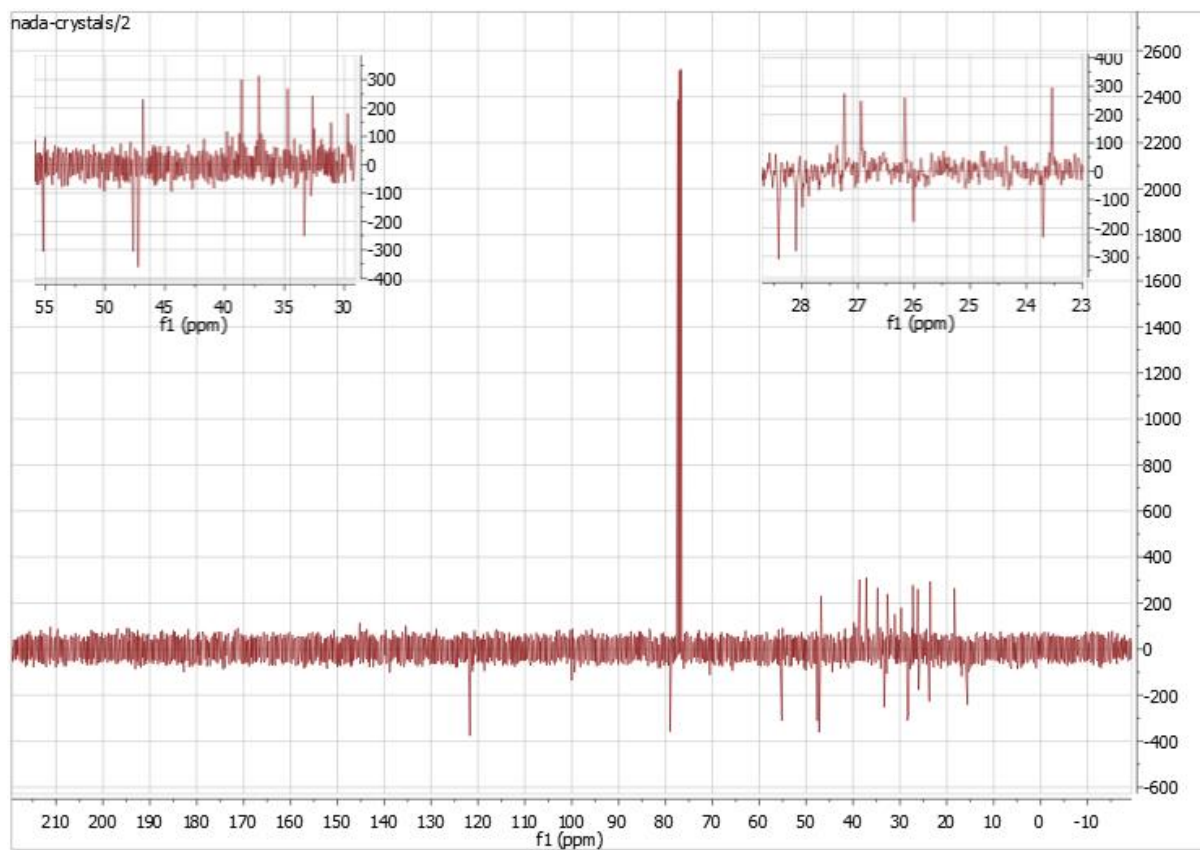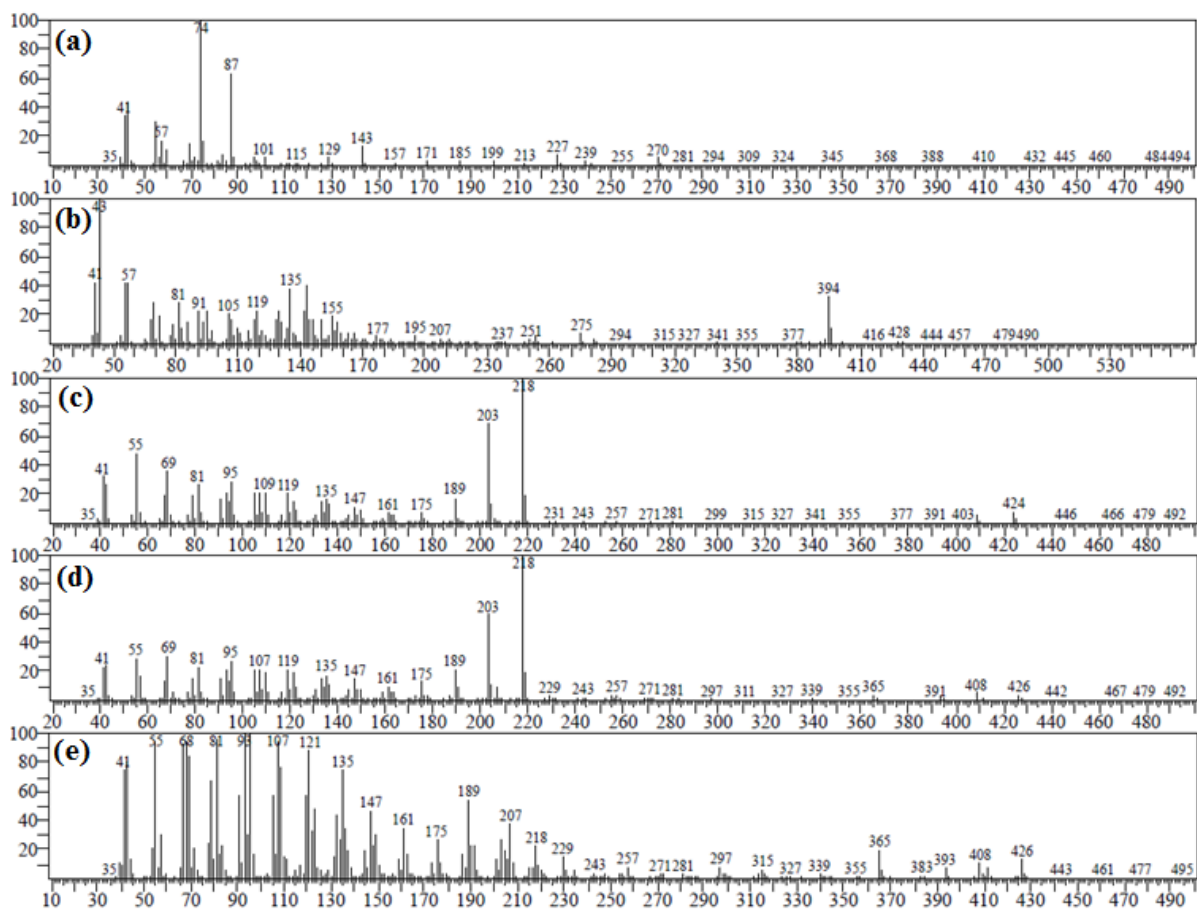
No.	RI$_{exp.}$	% Composition	Mass Fragmentation
1	1508	0.4	141.05 (100), 41 (18), 55 (12)
2	1542	0.3	43.05 (100), 111 (85), 41 (43), 67 (38), 137 (37)
3	1923	0.4	43.05 (100), 41 (78), 57 (72), 71 (62), 55 (52), 84 (42)
4	1991	0.2	41.05 (100), 43 (95), 55 (93), 57 (75), 83 (64), 97 (58)
5	2270	0.4	43.05 (100), 41 (72), 57 (70), 55(64), 71 (52), 95 (45)
6	2332	0.4	74.05 (100), 43 (95), 56 (72), 57 (70), 87 (65), 41 (62)
7	2431	0.5	43.05 (100), 57 (96), 41 (70), 55 (68), 82 (50), 97 (30)
8	2532	0.1	315.15 (100), 91 (42), 330 (32), 237 (25), 119 (23), 103 (22)
9	2538	0.7	43.05 (100), 57 (88), 55 (70), 82 (64), 41 (60), 96 (38)
10	2739	0.1	43.05 (100), 57 (82), 55 (75), 82 (56), 41 (55), 96 (41)
11	2992	0.3	43.05 (100), 143 (52), 57 (38), 41 (33), 81 (33), 135 (31), 380 (31)
12	3359	2.8	204.15 (100), 43 (86), 55 (81), 69 (80), 133 (78), 121 (76), 105 (73), 95 (73)