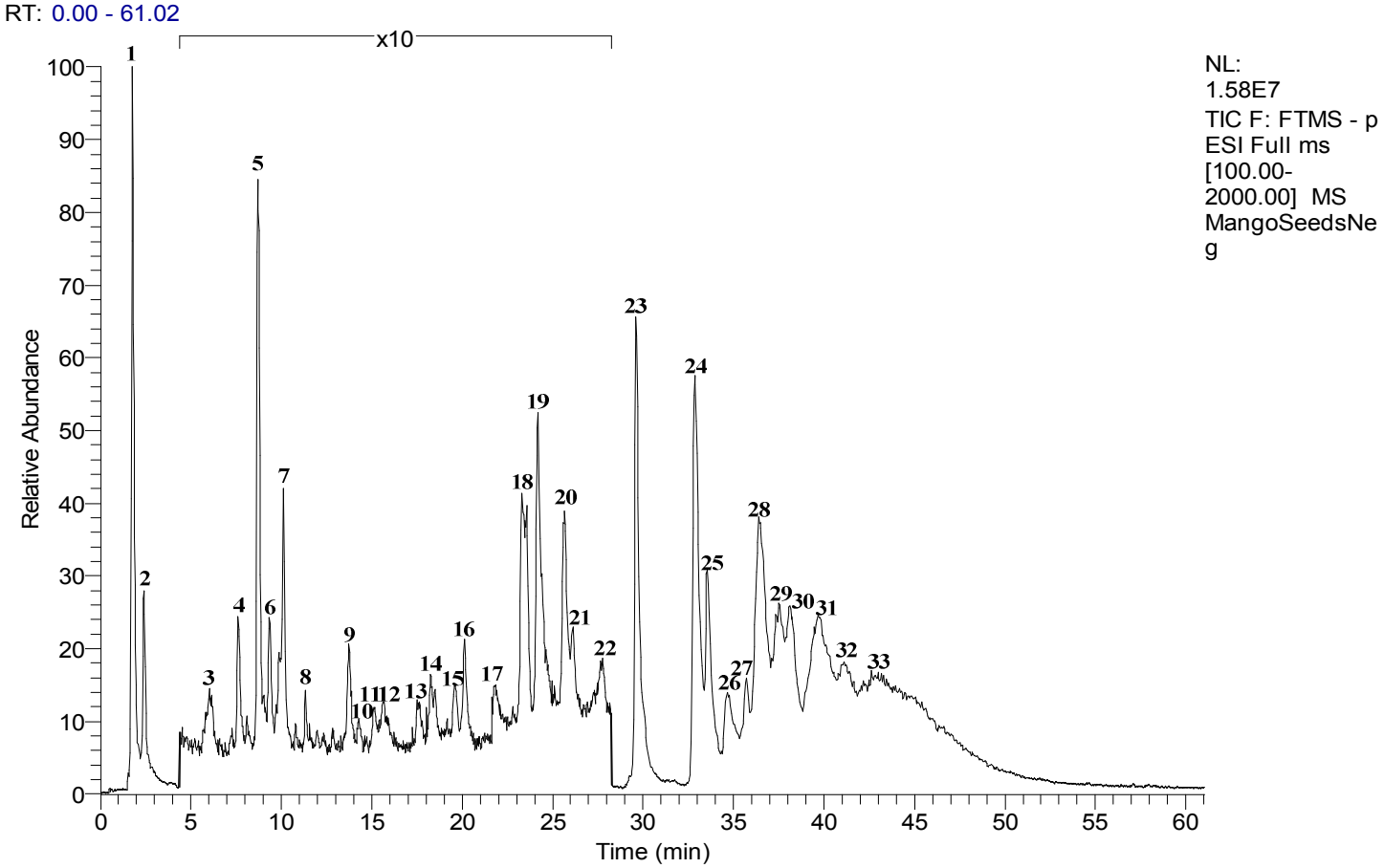

Figure S1 Total ion chromatogram of Mexican mango seeds.

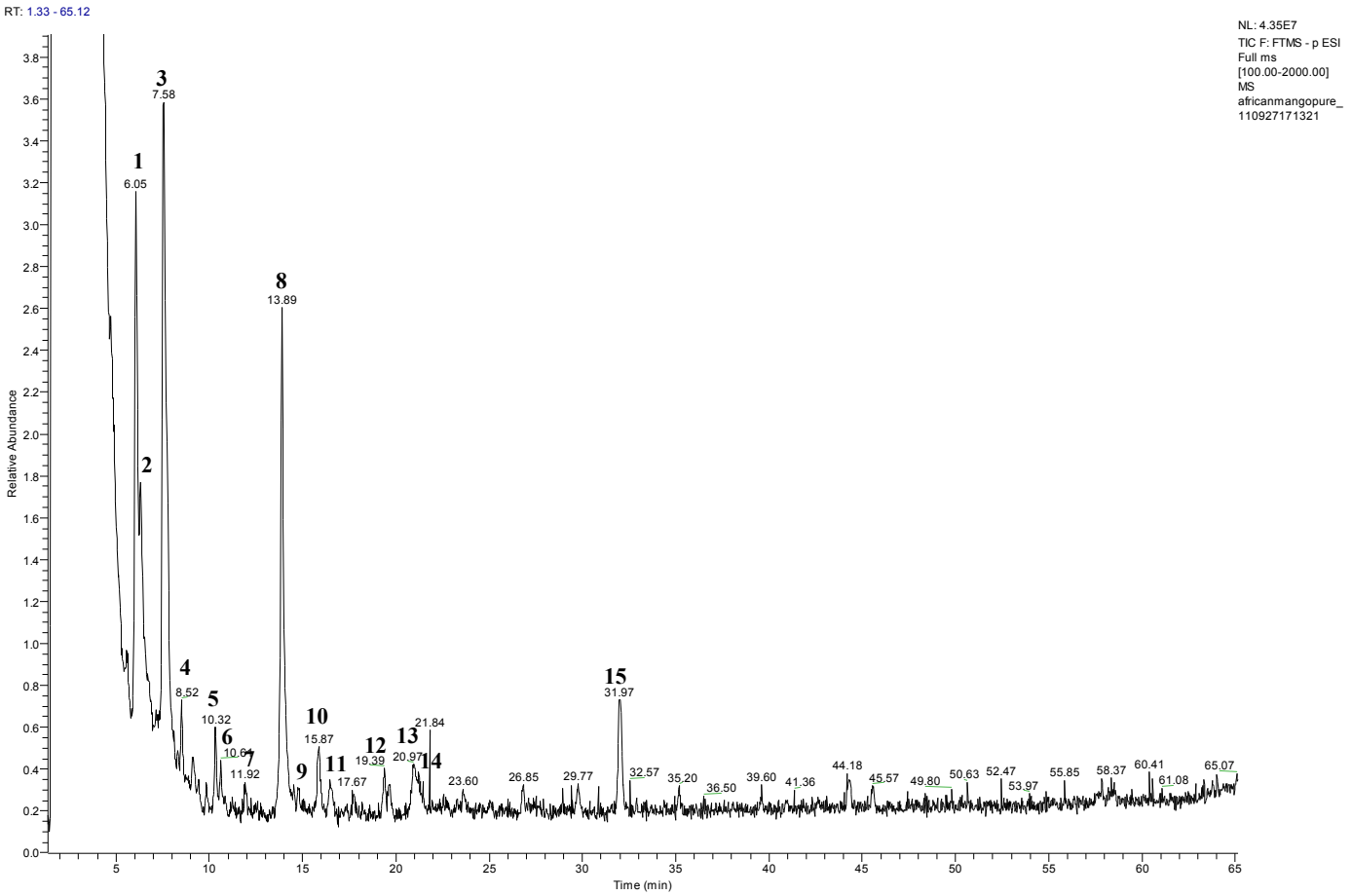

Figure S2. The major compounds found in Product A

Table S1 The UHPLC-HRMS data of constituents from Mexican mango seeds

Peak No	RT (min)	Formula	$[M-H]^-$	Error (mmu)	UV (λ_{max},nm)	Main Product Ions	Tentative Identification
1	1.80	$C_{12}H_{22}O_{11}$	341.1084	-0.505	233	179, 143, 113	hexosyl-hexose
2	1.87	$C_{13}H_{16}O_{10}$	331.0668	-0.240	278, 229	271, 211, 193, 169, 125	galloy-hexose
3	5.99	$C_{20}H_{20}O14$	483.0770	-1.068	271, 231	331, 169	di-galloy-hexose
4	7.70	$C_{30}H_{25}O_{12}$	577.1341	-1.059	232, 276	425, 407, 451, 559, 289	epicatechin-(4β→8)-catechin
5	8.72	$C_{34}H_{24}O_{22}$	289.0715	-0.291	232, 274	245, 205, 179, 271	catechin
6	9.35	$C_{27}H_{24}O_{22}$	865.1964	-2.187	232, 276	695, 739, 713, 847, 577, 543, 425, 287	proanthocyanidin C1
7	10.02	$C_{26}H_{26}O_{18}$	625.1029	-1.727	252, 355	MS2[625]: 463, 300	quercetin 3,7-di-O-glucoside
8	11.34	$C_{16}H_{28}O_{11}$	395.1552	-0.645	231	MS3[625-->463]: 300, 293, 125, 251, 233, 351	3-methylbutanoyl-1-O-β-D-glucopyranosyl-β-D-apiofuranoside
9	13.73	$C_{19}H_{18}O_{11}$	421.0770	-0.665	232, 258, 312, 365	MS2[421]: 331, 301, 403	mangiferin
10	14.30	$C_{33}H_{28}O_{19}$	727.1129	-2.352	232, 276	MS3[421-->331]: 259, 271, 313, 301, 285 575, 405, 465, 557	maclurin di-*O*-galloyl-glucoside

11	15.03	$C_{27}H_{24}O_{18}$	635.0876	-1.397	232, 271	MS2[635]: 465 MS3[635-->465]: 313, 169	tri-*O*-galloyl-hexose
12	15.65	$C_{37}H_{30}O_{16}$	729.1441	-2.008	232,276	577, 559, 407, 425	unknown
13	17.63	$C_{34}H_{28}O_{22}$	789.0975	-2.415	232, 276	637, 619	unknown
14	18.25	$C_{37}H_{30}O_{16}$	729.1447	-1.398	232, 276	407, 577, 559, 603, 451, 441	epigallocatechin 3-O-(4-hydroxy-benzoate)
15	19.59	$C_{27}H_{24}O_{18}$	635.0875	-1.467	232, 271	465, 483, 313	trigalloyl hexose
16	20.12	$C_{21}H_{20}O_{11}$	447.0924	-0.845	232, 276	285, 327	kaemferol-hexoside
17	21.76	$C_{14}H_5O_8$	300.9984	-0.610	232, 365	301, 257, 229, 185, 284	ellagic acid
18	23.44	$C_{34}H_{28}O_{22}$	787.0975	-2.475	232, 276	635, 483	tetra-*O*-galloyl-hexose
19	24.15	$C_{34}H_{28}O_{22}$	787.0980	-1.985	232,277	635, 617, 465	tetra-*O*-galloyl-hexose
20	25.65	$C_{34}H_{28}O_{22}$	787.0980	-3.796	232, 277	617, 465	tetra-*O*-galloyl-hexose
21	26.09	$C_{34}H_{28}O_{22}$	787.0971	-2.835	232, 276	635, 617, 465	tetra-*O*-galloyl-hexose
22	27.74	$C_{41}H_{32}O_{26}$	939.1080	-2.874	232, 276	787, 617	pent-*O*-galloyl-hexose
23	29.62	$C_{41}H_{32}O_{26}$	939.1110	-1.545	231, 279	769, 787, 617	pent-*O*-galloyl-hexose

24	32.90	$C_{48}H_{36}O_{30}$	1091.1190	-2.842	231, 278	939, 769	hexa-*O*-galloyl-hexose
25	33.52	$C_{48}H_{36}O_{30}$	1091.1208	-1.012	231, 278	939, 769	hexa-*O*-galloyl-hexose
26	34.62	$C_{48}H_{36}O_{30}$	1091.1207	-1.132	231, 278	939, 769	hexa-*O*-galloyl-hexose
27	35.73	$C_{48}H_{36}O_{30}$	1091.1206	-1.252	231, 278	939, 769	hexa-*O*-galloyl-hexose
28	36.40	$C_{55}H_{40}O_{34}$	1243.1320	-0.861	231, 279	1091, 939	hepta-*O*-galloyl-hexose
29	37.39	$C_{55}H_{40}O_{34}$	1243.1302	-2.571	231, 279	1091, 939	hepta-*O*-galloyl-hexose
30	38.15	$C_{55}H_{40}O_{34}$	1243.1307	-2.081	231, 279	1091, 939	hepta-*O*-galloyl-hexose
31	39.61	$C_{62}H_{44}O_{38}$	1395.1433	-0.469	231, 279	1243, 1091	octa-*O*-galloyl-hexose
32	41.21	$C_{62}H_{44}O_{38}$	1395.1410	-2.779	231, 279	1243, 1091	octa-*O*-galloyl-hexose
33	45.15	$C_{69}H_{48}O_{42}$	1547.1523	-2.398	231, 277	1395, 1243	nona-*O*-galloyl-hexose

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Table S2. The label claims of five African mango based dietary supplements.

Product	Serving form	Labeled African Mango seed extract weight mg/ Per Serving)	Other Botanical extract added
A	Capsule	150	-
B	Capsule	300	Green Tea extract
C	Capsule	350	Green Tea extract
D	Capsule	n/a	Maqui Berry, Acai fruit, green tea extract, resveratrol, Caffeine anhydrous, Apple Cider Vinegar, Kelp, Grapefruit
E	Powder	400	Green Tea extract, Cranberry, Kelp and Grapefruit Raspberry, Natural Mixed Berry Flavor, Cane Juice, Fibersol, Citric Acid, Stevia
F	Powder	10:1 extract	n/a
G	Powder	n/a	n/a