Supplementary Materials

Article

GC-MS-Based Metabolomics to Reveal the Protective Effect of Gross Saponins of *Tribulus terrestris* Fruit against Ischemic Stroke in Rat

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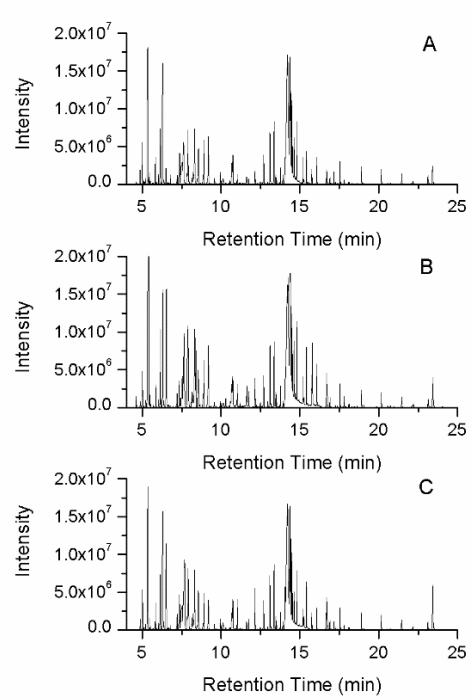
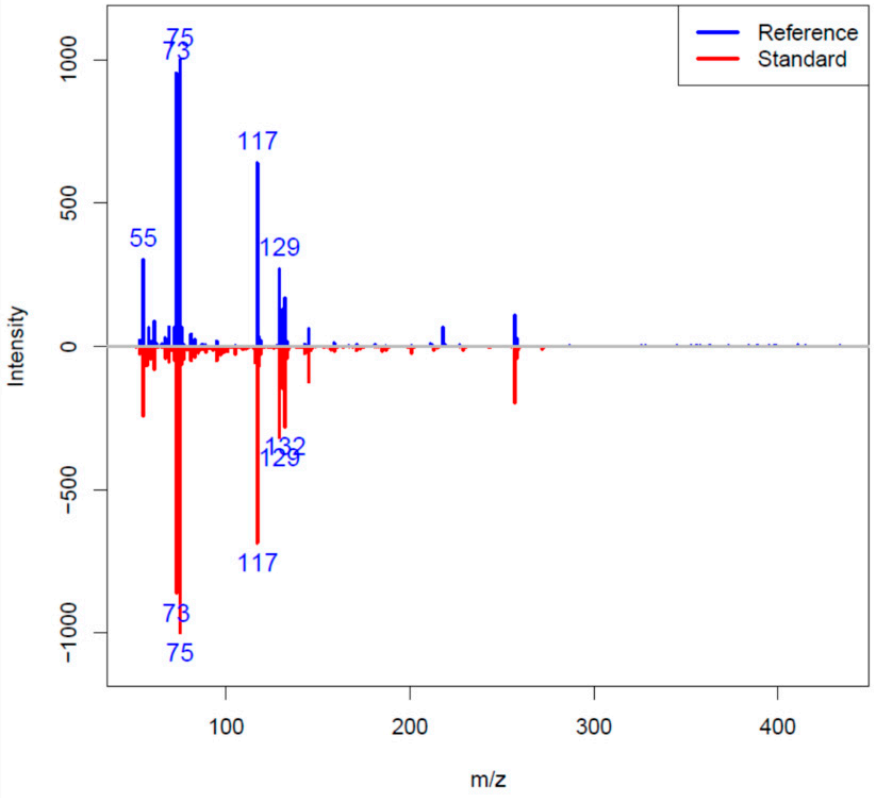
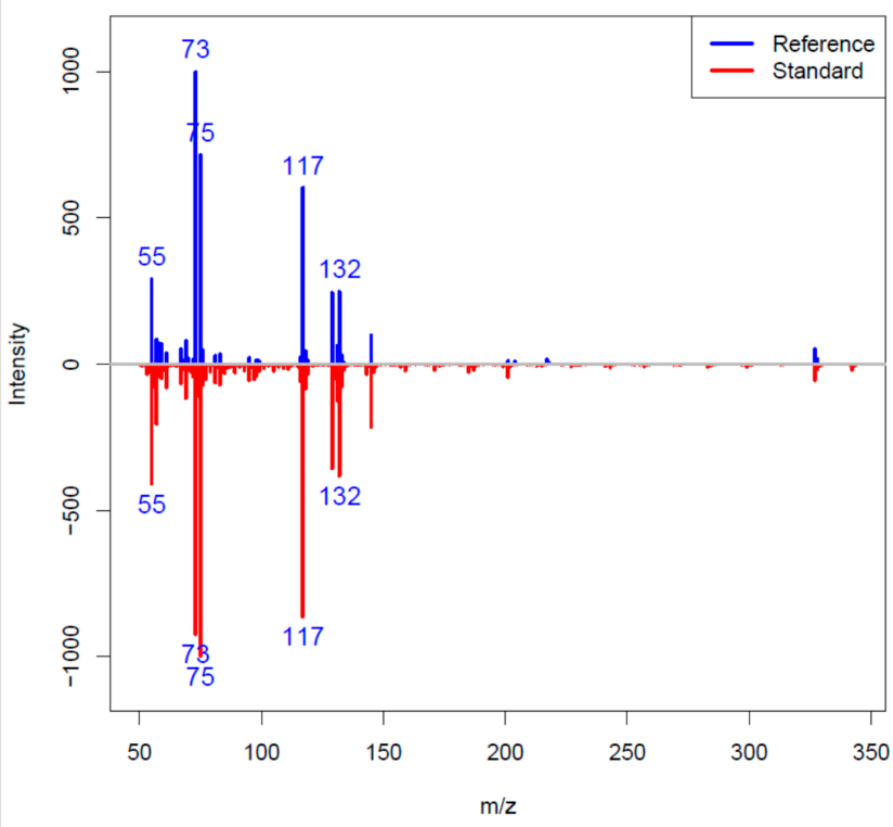


Figure S1 The typical GC-MS total ion chromatograms (TICs) of MCAO rat serum samples, (A) sham group, (B) model group and (C) GSTTF-treated group.

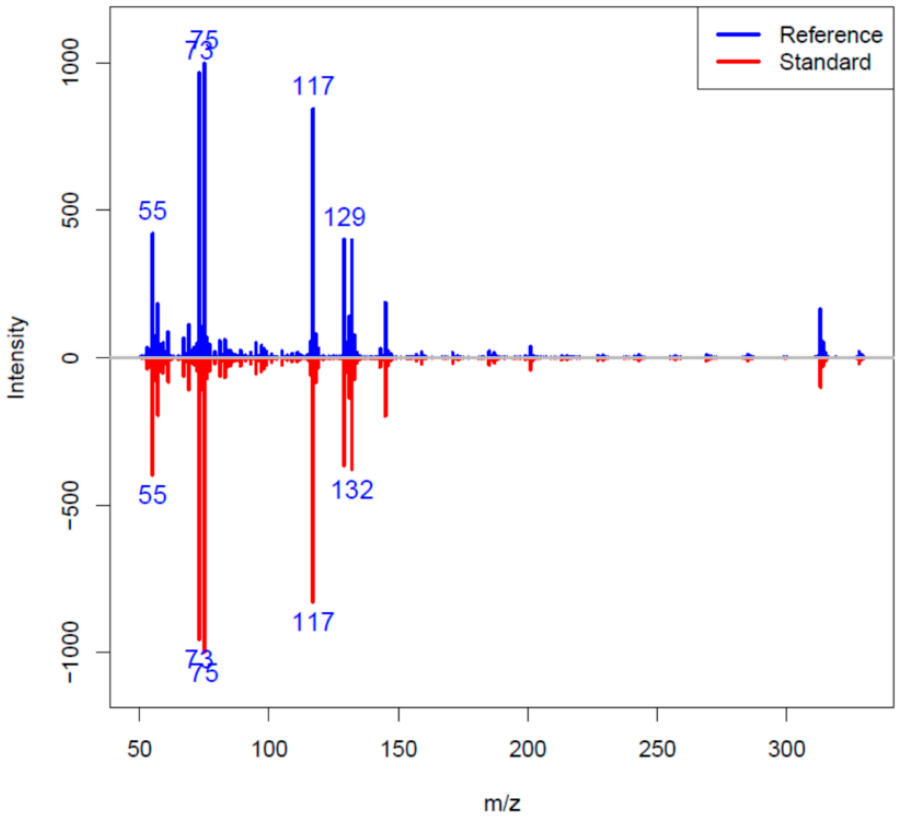
Dodecanoic acid



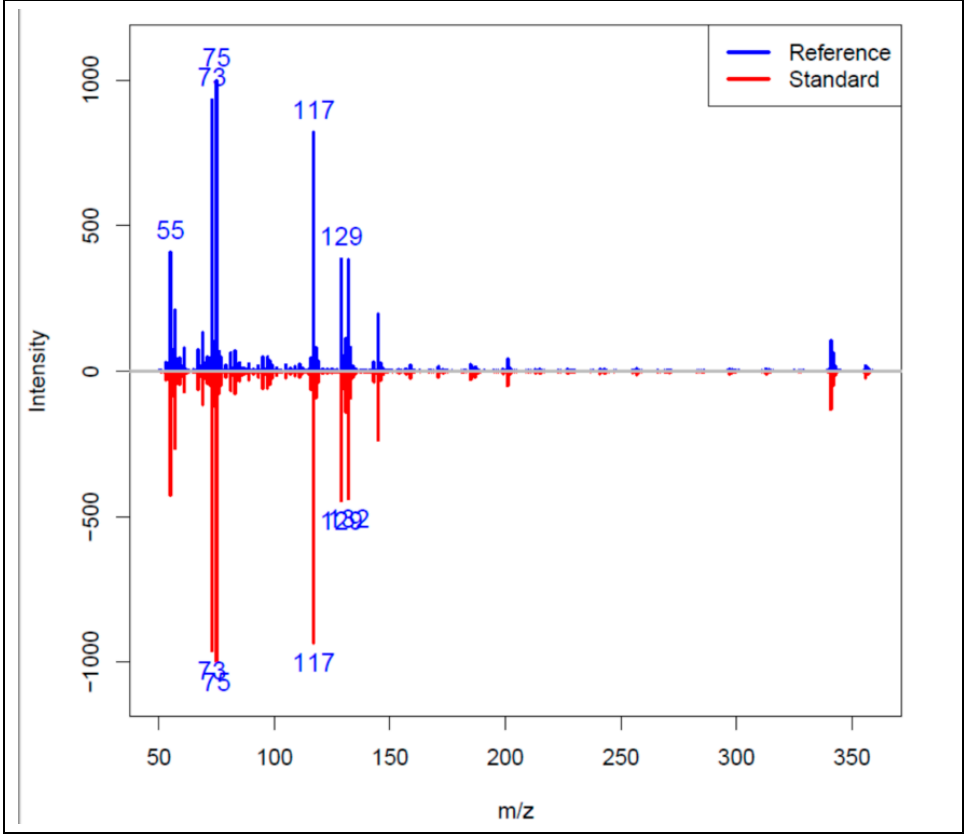
Heptadecanoic acid



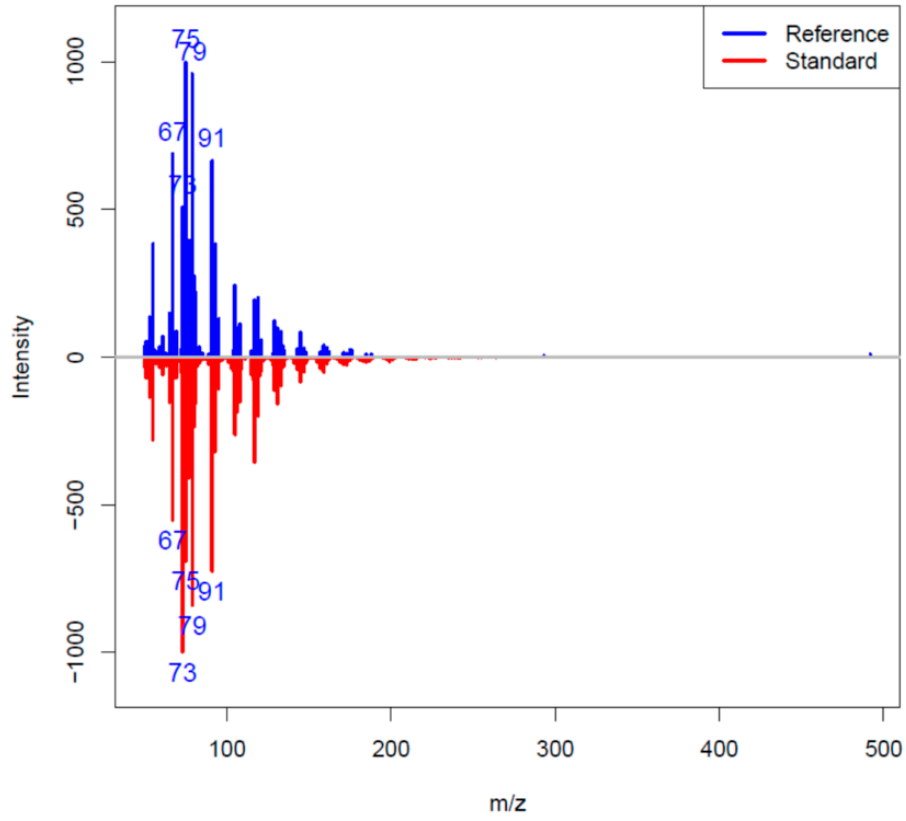
Palmitic acid



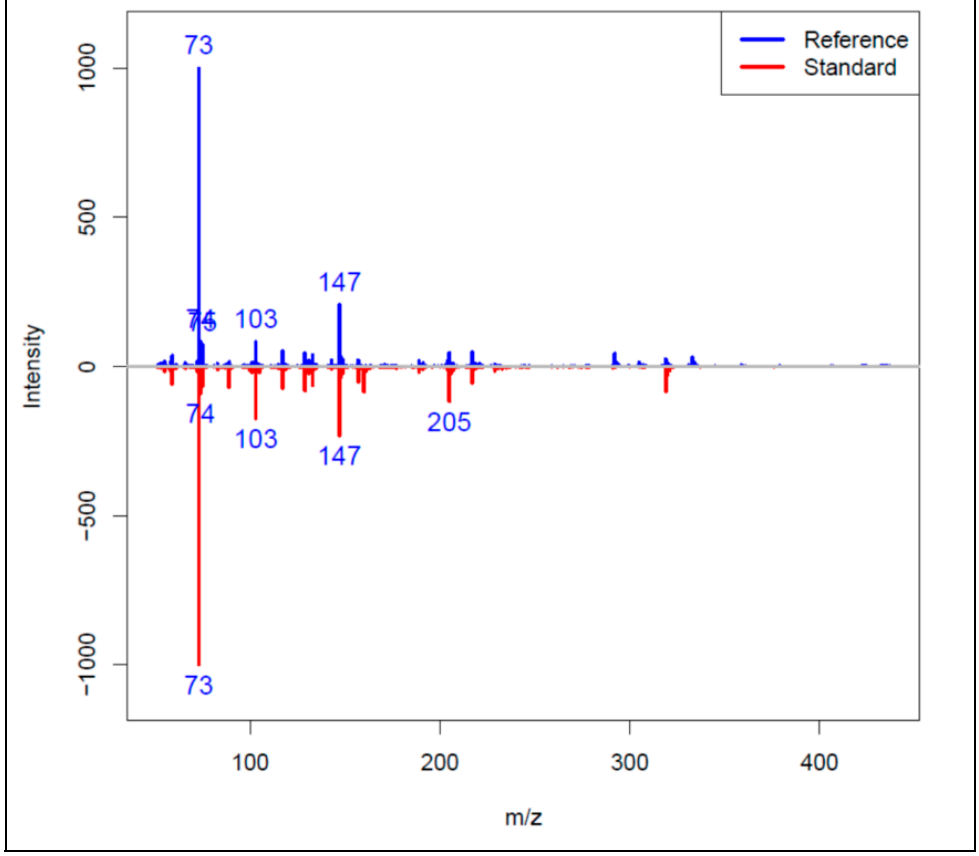
Stearic acid



Docosahexaenoic acid



Glucose



Isoleucine

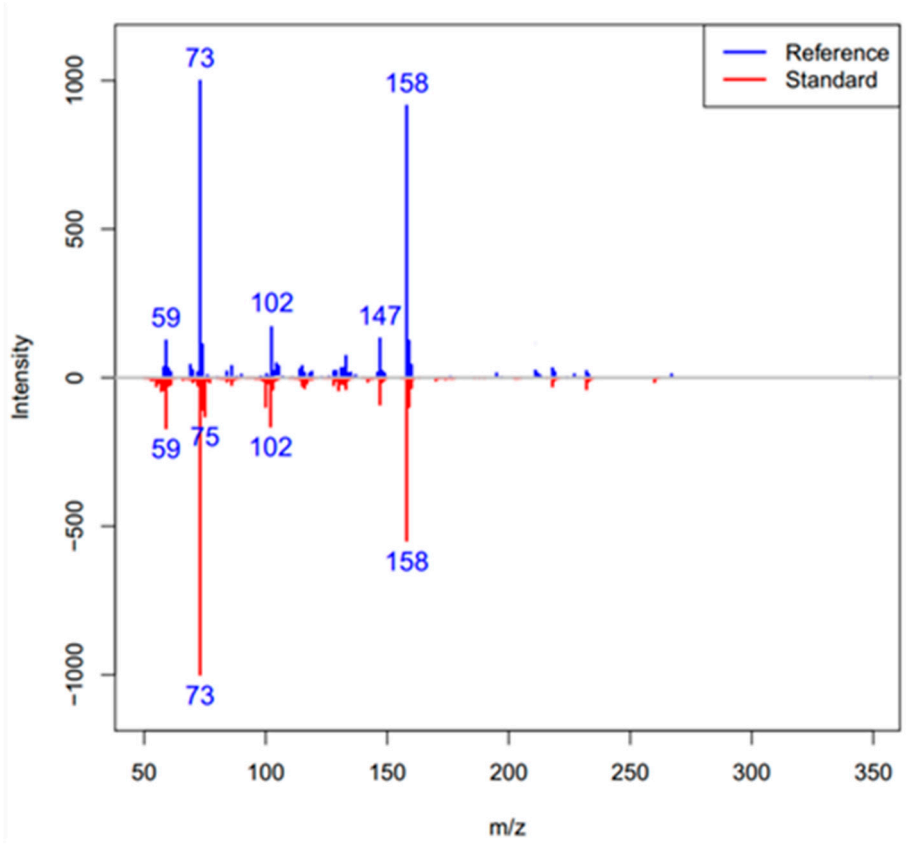


Figure S2 Representative mass spectra of the detected metabolite

Table S1 The retention index and fragment ions of selected trimethylsilylated metabolites.

Name	Retention index	m/z of fragment ions
Caproic acid	340436	73,75,117,173,
Isoleucine	501137	59,73,75,158
Picolinic acid	523447	51,73,78,180,136
Succinic acid	523758	55,73,75,147
Serine	558165	73,75,100,204
Pipecolic acid	563977	73,156,157,158,230
Beta-Alanine	592771	59,73,86,174
Malic acid	640508	55,73,75,147
Creatine	664999	73,100,115,143,171
4-Hydroxy-proline	668459	73,75,140,230,
Creatinine	686201	73,100,115,143
Dodecanoic acid	729672	73,75,117,257
Xylose	739997	73,103,147,217,307
Homocysteine	743844	73,75,128,234
Ribonolactone	756235	73,102,117,133,217
Ribose	761779	73,75,103,147
Arabitol	764105	73,75,103,147
O-Phosphoethanolamine	799503	73,100,172,174,299
Myristoleic acid	829881	73,75,89,117
Ornithine	832463	70,73,74,142
Myristic acid	840005	73,75,117,174
Methionine sulfoxide	851360	73,100,128,140,301
Pentadecanoic acid	885806	73,75,117
Glucose	891963	73,147,160,205
Pantothenic acid	905323	73,98,103,260,363
Palmitoleic acid	923365	55,73,75,117
Palmitic acid	933113	73,75,117
Allantoic acid	944298	73,100,147,188,331
Dopamine	960330	73,179,267,268,269
Heptadecanoic acid	978133	73,75,117
Linoleic acid	1011058	55,67,73,75
Petroselinic acid	1013794	73,75,83,117,129
Oleic acid	1013809	55,73,75,117
Stearic acid	1021987	73,75,117
Arachidonic acid	1077225	67,73,75,79
Glucose 6-phosphate	1080958	73,129,147,160,387
Docosahexaenoic acid	1157484	67,73,75,79,91
Inosine	1173808	73,75,103,217
Guanosine	1246885	73,74,75,103
Pregnenolone	1278959	73,87,91,93,100
Cholesterol	1413030	73,75,129