

Chemical characterization and antioxidant activity of nine *Hypericum* species from Greece

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Table S1. Collection data of the *Hypericum* species examined

Taxon	Collection site	Latitude	Longitude	Elevation (m)	Habitat	Voucher number
<i>H. cycladicum</i>	Andros Island	37°54'	24°52'	30	Phrygana	12285
<i>H. delphicum</i>	Evvia Island	38°53'	23°52'	1000	Forest clearings	12281
<i>H. fragile</i>	Evvia Island	38°32'	24°01'	420	Cliffs	12283
<i>H. olympicum</i>	Evvia Island	38°36'	23°51'	890	Rocky slopes	12288
<i>H. perfoliatum</i>	Mt. Parnon	37°15'	22°39'	1050	Forest	12282
<i>H. perforatum</i>	Andros Island	37°50'	24°53'	560	Rocky slopes	12280
<i>H. rumeliacum</i> subsp. <i>apollinis</i>	Mt. Parnassos	38°33'	22°34'	1760	Rocky slopes	12286
<i>H. tetrapterum</i>	Evvia Island	38°36'	23°51'	910	Wet places	12287
<i>H. vesiculosum</i>	Mt. Chelmos	38°05'	22°10'	910	Woodland	12284

Table S2: Tentatively identified compounds in *H. perfoliatum* extract

<i>Hypericum perfoliatum</i>									
Compound name	Rt	ESI+ Product ions	ESI- Product ions	m/z experimental		m/z theoretical		Δm	
				+	-	+	-	+	-
Procyanidin B type	1.39	307.9972;275.9969; 263.0556; 139.0344; 127.0365	-	611.1398	-	611.1395		0.44	
B-type trimer procyanidin (C1)	1.58	-	739.1455;714.14; 695.1275;451.09; 289.0708;245.04; 179.0442	-	865.2014	-	865.1985	-	3.35
Procyanidin B1	2.28	-	standard solution	577.1331		577.1351			-3.46
Catechin	2.80	standard solution	standard solution	291.0854	289.0717	291.0863	289.0717	-3.12	0
Procyanidin B type	3.03	425.1754;291.0852; 287.0536	407.0761;289.070; 245.0811;205.0503	579.1477	577.134	579.1497	577.1351	-3.45	-1.9
B-type trimer procyanidin (C2)	3.69	-	713.1518;695.1398; 577.1325;451.1012; 289.0710;243.0298; 161.0243; 125.024	-	865.1966	-	865.1985	-	-2.2
Epicatechin	3.89	standard solution	standard solution	291.0851	291.0863 1	289.0716	289.0717	-4.12	-0.34
Apigenin hexoside	5.76	271.0581; 153.017; 121.0275; 119.05	-	433.1114	-	433.1129	-	-3.46	-
Luteolin malonylhexoside	6.14	287.0526; 137.0231; 135.0408	285.0394;257.0448; 241.0499;133.0294;	535.1067	533.0923	535.1082	533.0937	-2.80	-2.63
Rutin	6.53	-	Standard solution	-	609.1449	-	609.1461	-1.99	
Hyperoside	6.55	303.0483; 153.0172	301.0317; 283.0266; 271.0222	465.1012	463.0872	465.1027	463.0882	-3.33	-2.15
Luteolin glucuronide	6.58	-	300.0269;243.0287; 241.0095;217.0453; 119.0402;175.0354; 151.0035	-	461.0717	-	461.0725	-	-1.84

Isoquercitrin	6.73	303.0489	301.0316; 300.0274; 283.0248; 229.0479	465.1009	463.0872	465.1027	463.0882	-3.98	-2.16
Quercetin malonylhexoside	6.79	-	301.0323;283.0243; 229.0477;151.0038; 107.0149	-	549.087	-	549.0885	-	-2.73
Quercitrin	7.04	standard solution	standard solution	449.106	447.0918	449.1078	447.0933	-4.00	-3.35
Kaempferol glucoside	7.21	standard solution	standard solution	449.1081	447.0918	449.1078	447.0933	0.67	-3.35
Kaempferol malonylhexoside	7.50	287.0535; 241.043; 231.0594;258.0471; 165.0188;153.0153; 133.0266; 121.0268	285.0388;267.0287; 243.0283;239.0336; 213.0536;199.0387; 151.0045	535.1065	533.0923	535.1082	533.0937	-3.23	-2.63
I3.II8 biapigenin	8.82	-	443.0428;385.0718; 151.0038	-	537.0808	-	537.0827	-3.57	-3.54
Pseudohypericin	10.11	-	487.0458;457.0784; 459.0951	-	519.0702	-	519.0722	-3.85	-3.77
Hyperforin	14.57	-	standard solution	-	535.377	-	535.3793	-	4.30

Table S3: Tentatively identified compounds in *H. rumeliacum* subsp. *apollinis* extract

<i>H. rumeliacum</i> subsp. <i>apollinis</i>									
Compound name	Rt	ESI+	ESI-	<i>m/z</i> experimental		<i>m/z</i> theoretical		Δm	
				+	-	+	-	+	-
Neo-chlorogenic acid	2.24	-	191.0558;135.0448; 85.0294	-	353.0871	-	353.08781	-	-2.01
Chlorogenic acid	3.70	standard solution	standard solution	355.1019	353.0875	355.1024	353.0878	-1.41	-0.85
p-Coumaroylquinic acid	5.03	-	191.0558;163.1114; 137.0229; 119.0497	-	337.0923	-	337.0929		-1.75
Myricetin glucoside	5.80	-	standard solution	-	479.0824	-	479.0831	-	-1.46
Myricetin arabinoside	6.26	-	316.0220;299.0169; 271.0237;245.0425; 151.003; 137.0243	-	449.0719	-	449.0725	-	-1.34
Myricitrin	6.3	standard solution	standard solution	465.1023	463.0874	465.1027	463.0882	-0.86	-1.73
Rutin	6.50	-	standard solution	-	609.1437	-	609.14611		-3.94

Hyperoside	6.55	303.0485;153.0175	316.0217; 300.027; 281.0072;271.0243; 229.0216	465.1022	463.0872	465.1027	463.0882	-1.07	-2.16
Isoquercitrin	6.9	-	316.0217;271.0241; 255.0295; 151.0036	-	463.0873	-	463.0882	-	-1.94
Kaempferol glucoside	7.11	-	standard solution	-	447.0924	-	447.0932	-	-1.79
Quercetin arabinofuranoside	7.13	-	300.0273;283.0226; 271.0244;229.0121; 169.0278; 151.0039	-	433.0767	-	433.0776	-	2.08
Quercitrin	7.15	standard solution	standard solution	449.1072	447.0923	449.10784	447.0932	-1.33	-2.01
Quercetin	7.85	-	standard solution	-	301.0347	-	301.03538	-	-2.32
I3.II8 biapigenin	8.78	445.0501; 387.0839; 153.0173	443.0381;385.0705; 151.0034	539.0969	-	539.09727	-	-0.74	-
Pseudohypericin	10.22	-	519.0698;487.0437; 421.06	-	519.0704	-	519.07216	-	-3.47
Protohypericin	11.32	-	433.0705;407.0827; 363.1039	-	505.0926	-	505.0929	-	-0.59

Table S4: Tentatively identified compounds in *H. vesiculosum* extract

<i>H. vesiculosum</i>									
Compound name	Rt	ESI+	ESI-	<i>m/z</i> experimental		<i>m/z</i> theoretical		Δm	
				+	-	+	-	+	-
Vanillic acid hexoside	2.03	-	167.0329;152.0107; 137.0218;123.0438; 164.0676	-	329.0873	-	329.0878	-	-1.55
Neo-chlorogenic acid	2.24	-	191.0560;161.0246; 127.0397	-	353.0875	-	353.0878	-	-0.88
Procyanidin B type	3.01	-	407.0747;289.0708; 245.0816; 205.0513	-	577.1349	-	577.1351	-	-0.35
Chlorogenic acid	3.45	-	standard solution	-	353.0882	-	353.0878	-	1.13
Myricetin glucoside	5.87	-	standard solution	-	479.081	-	479.0831	-	-4.38
Luteolin malonylhexoside	6.04	287.0531;137.0227; 135.0433	285.0392;257.0467; 241.049; 175.04;	535.10 84	533,0926	535. 1082	533,0937	0. 37	-2,06

			133.0295						
Rutin	6.52	-	standard solution	-	609.1447	-	609.1461	-	-2.3
Hyperoside	6.53	303.0491; 153.0179	301.0322;300.0269; 283.0257; 271.0244	465.10 23	463,0874	465. 1027	463,0882	- 0. 86	-1,73
Quercetin malonylhexoside	6.81	303.0493;285.0379; 257.0433;229.0472; 165.0187;153.0174; 149.0243; 137.0218	301.0328;300.0269; 283.0229;229.0487; 151.0031;107.0137;	551.10 33	549,0873	551. 1031	549,0885	0. 36	-2,18
Isoquercitrin	6.81	-	301.322; 300.0268; 271.0241;255.0295; 151.0037	-	463.0873	-	463.0882	-	-1.94
Quercitrin	7.05	-	standard solution	-	447.0922	-	447.0932	-	-2.24
Kaempferol rutinoside	7.12	-	285.0392;267.0296; 257.0294;241.0497; 239.036; 213.0551; 199.0402; 151.003	-	593.1500	-	593.1511	-	-1.85
Kaempferol malonylhexoside	7.53	-	285.0387;267.0306; 239.0355;213.0574; 199.0401; 151.0031	-	533.0927	-	533.0937	-	-1.87
Quercetin	7.92	-	standard solution	-	301.0351	-	301.0353	-	-0.66
I3.II8 biapigenin	8.86	-	443.0396;385.0702; 151.0033	-	537.0814	-	537.0827	-	-2.42
Amentoflavone	9.95	-	standard solution	-	537.081	-	537.0827		-3.16
Pseudohypericin	10.03	-	519.07; 487.0421; 471.046	-	519.0701	-	519.0722	-	-4.05
Protohypericin	11.78	-	435.085; 407.074	-	505.0933	-	505.0923	-	-1.98

Table S5: Tentatively identified compounds in *H. cycladicum* extract

<i>H. cycladicum</i>									
Compound name	Rt	ESI+	ESI-	m/z experimental		m/z theoretical		Δm	
				+	-	+	-	+	-
Neo-chlorogenic acid	2.24	-	191.0566; 135.0449; 85.0299	-	353.0871		353.0878	-	-1.98
Procyanidin B1	2.49	-	standard solution	-	577.1345	-	577.1351	-	-1.04
Procyanidin B type	3.00	-	407.0766; 289.0717; 245.082; 205.0482	-	577.1345	-	577.1351	-	-1.04
Chrologenic acid	3.46	-	standard solution	-	353.0871	-	353.0878	-	-1.98
Procyanidin B type- Procyanidin C2	3.78	-	695.1386;575.1138; 287.0534;243.0275; 161.0243; 125.0243	-	865.1981	-	865.1985	-	-0.42
Apigenin hexoside	5.8	271.0581;153.0167; 121.0283; 119.05	-	433.1121	-	433.1129	-	-1.85	-
Luteolin malonylhexoside	5.99	287.0544;137.0235; 135.0458	285.0383; 257.047; 241.0498; 175.04; 133.0293	535.1073	533.0923	535.1082	533.0937	-1.68	-2.63
Luteolin glucoside	6.33	-	standard solution	-	447.0924	-	447.0933	-	-2.01
Rutin	6.52	-	standard solution	-	609.1448	-	609.1461	-	-2.13
Hyperoside	6.56	303.0491; 153.0168	301.0319;300.0271; 283.0248; 271.0246	465.1019	463.0874	465.1027	463.0882	-1.72	-1.73
Isoquercitrin	6.82	303.0515	301.0319;300.0271; 283.0248; 271.0246	487.084*	463.0874	487.085*	463.0882	-2.05	-1.73
Quercetin malonylhexoside	6.83	303.0488;285.0385; 257.0442;229.0493; 165.0167;153.0175; 149.021; 137.0228	301.0331;300.0271; 229.0188;151.0031; 107.105	551.1025	549.0872	551.1031	549.0885	-1.09	-2.18
Quercitrin	6.98	standard solution	standard solution	449.1067	447.0923	449.1078	447.0933	-2.45	-2.24
Kaempferol glucoside	7.05	-	standard solution	-	447.0924	-	447.0933	-	-2.01
Kaempferol rutinoside	7.13	287.0539;258.0511; 231.0657;213.0491; 165.0152;153.0174; 133.0304; 121.0286	285.0394; 267.029; 255.0296;241.0511; 239.0336; 213.056; 199.0388; 151.0032	595.1645	593.1499	595.1657	593.1511	-2.02	-2.02

Kaempferol malonylhexoside	7.53	-	285.0383;267.0264; 239.0323;211.0382; 199.0412; 151.0023	-	533.0926	-	533.0937	-	-2.06
Kaempferol	8.61	-	standard solution	-	285.0396		285.04	-	-1.4
I3. II8 biapigenin	8.82	445.0533;387.0859; 153.0162; 121.0276	443.0401;385.0703; 151.0033	539.0965	537.0811	539.0973	537.0827	-1.48	-2.98
Amentoflavone	9.95	-	standard solution	-	537.0813	-	537.0827	-	-2.61
Pseudohypericin	10.25	-	519.0704;487.0489; 475.0844	-	519.0703	-	519.0722	-	-3.66

*M+Na

Table S6: Tentatively identified compounds in *H. perforatum* extract

<i>H. perforatum</i>									
Compound name	Rt	ESI+	ESI-	<i>m/z</i> experimental		<i>m/z</i> theoretical		Δm	
				+	-	+	-	+	-
ProcyanidinB1	2.28	-	standard solution	-	577.1329	-	577.1351	-	-3.81
Catechin	2.78	standard solution	standard solution	291.0856	289.0714	291.0863	289.0717	-2.4	-1.04
Chlorogenic acid	3.46	-	standard solution	-	353.0871	-	353.0878	-	-1.98
Procyanidin B type-Procyanidin C2	3.75	-	695.1375; 452.102; 243.031; 161.0242; 125.0242	-	865.1968	-	865.1985	-	-1.96
Epicatechin	3.99	standard solution	standard solution	291.0853	289.0716	291.0863	289.0717	-3.43	-0.35
Kaempferol rhamnoside	4.52	287.0534; 269.048; 241.0479;213.0532; 259.059; 231.065; 153.0192	-	433.1115	-	433.1129	-	-3.23	-
Myricetin glucoside	5.85	-	standard solution	-	479.0817	-	479.0831	-	-2.92
Rutin	6.49	-	standard solution	-	609.1444	-	609.1461	-	-2.79
Miquelianin	6.71	-	301.0347;283.0252; 273.0389;229.0494; 151.0034; 107.0138	-	477.0663	-	477.0674	-	-2.51
Isoquercitrin	6.88	303.0498	301.0325; 300.0265; 283.0244; 229.0486	487.0833*	463.0869	487.085*	463.0882	-3.49	-2.81

Quercetin glucoside acetate	7.48	-	300.0267;271.024;255.029; 227.0333	-	505.0971	-	505.0988	-	-3.36
Quercetin	7.88	standard solution	standard solution	303.0487	301.035	303.0499	301.0354	-3.96	-1.33
I3. II8 biapigenin	8.84	-	443.0385; 385.0705; 151.0037	-	537.081	-	537.0827	-	-3.16
Amentoflavone	9.95	-	standard solution	-	537.081	-	537.0827	-	-3.16
Pseudohypericin	10.5	-	519.0695;487.0447; 475.0754	-	519.0705	-	519.0722	-	-3.27
Hypericin	12.34	-	standard solution	-	503.0768	-	503.0772	-	-0.79
Hyperforin	14.66	standard solution	standard solution	537.3933	535.3773	537.3938	535.3793	-0.93	-3.73
Adhyperforin	14.99	-	549.3954;480.3215; 411.2521;397.2372; 313.18; 289.1438	-	549.3931	-	549.3949	-	-3.29

*M+Na

Table S7: Tentatively identified compounds in *H. tetrapterum* extract

<i>H. tetrapterum</i>									
Compound name	Rt	ESI+	ESI-	<i>m/z</i> experimental		<i>m/z</i> theoretical		Δm	
				+	-	+	-	+	-
Chlorogenic Acid			standard solution	-	353.0874	-	353.0878	-	-1.13
Quercetin 3,4-di-O-glucoside	5.7	-	standard solution	-	625.1398	-	625.141	-	-1.92
Rutin	6.46	-	standard solution	-	609.1448	-	609.1461	-	-2.13
Isoquercitrin	6.97	-	301.0333;300.0269; 271.0242;255.0303; 151.0047	-	463.0862	-	463.0882	-	-4.32
Kaempferol rutinoside	7.15	-	285.0393;267.0276; 255.0292;241.0485; 239.0323;213.0537; 199.0404; 151.0027	-	593.1495	-	593.1512	-	-2.87
I3. II8 biapigenin	8.87	-	443.0373;385.0698; 151.0035	-	537.0808	-	537.0827	-	-3.54
Amentoflavone	9.92	-	standard solution	-	537.0809	-	537.0827	-	-3.35

Table S8: Tentatively identified compounds in *H. fragile* extract

<i>H. fragile</i>									
Compound name	Rt	ESI+	ESI-	m/z experimental		m/z theoretical		Δm	
				+	-	+	-	+	-
Chlorogenic acid	3.65	-	standard solution	-	353.0874	-	353.0878	-	-1.13
Quercetin 3,4-di-O-glucoside	5.7	-	standard solution	-	625.1401	-	625.1410	-	-1.44
Rutin	6.54	standard solution	standard solution	611.1583	609.1447	611.1607	609.1461	-3.86	-2.99
Hyperoside	6.58	303.0478; 155.0177	301.0229;300.01892; 271.0199	465.1012	463.0876	465.1027	463.0882	-3.22	1.29
Isoquercitrin	6.96	-	301.0332;300.0281; 271.024; 255.0301; 151.0036	-	463.0867	-	463.0882	-	-3.24
Kaempferol rutinoside	7.15	-	285.0393;267.0305; 255.0296;241.0499; 239.0337;213.0556; 199.0399; 151.0031	-	593.1496	-	593.1512	-	-2.7
Quercetin	7.87	standard solution	standard solution	303.0484	301.0349	303.0495	301.0354	-3.63	-1.66
I3.II8 biapigenin	8.88	-	443.0384;385.0707; 151.0035	-	537.0808	-	537.0827	-	-3.54
Amentoflavone	9.91	-	standard solution	-	537.0806	-	537.0827	-	-3.91
Pseudohypericin	10.36	-	519.0706; 487.042; 475.0797	-	519.0706	-	519.0722	-	-3.08
Hyperforin	14.56	-	standard solution	-	535.3775	-	535.3793	-	-3.36

Table S9: Tentatively identified compounds in *H. olympicum* extract

<i>H. olympicum</i>									
Compound name	Rt	ESI+	ESI-	m/z experimental		m/z theoretical		Δm	
				+	-	+	-	+	-
Neo-chlorogenic acid	2.24	-		-	353.0877	-	353.0878	-	-2.26
Chlorogenic acid	3.69		standard solution	-	353.0871	-	353.0878		1.98
Myricetin glucoside	5.85	standard solution	standard solution	481.0953	479.0822	481.0977	479.0832	-4.93	-2.09
Myricetin arabinoside	6.21	319.0423;153.0169; 165.0167	316.0214;299.0162; 271.0239;151.0024;	451.0853	449.0714	451.0871	449.0725	-3.99	-2.45

			137.0252						
Rutin	6.54	-	standard solution	-	609.1449	-	609.1461	-	-1.97
Hyperoside	6.56	303.0477; 285.0384;273.0377; 229.047	316.0225;301.0300; 281.1023;151.0052	465.1007	463.0873	465.1027	463.0882	-4.41	-1.94
Isoquercitrin	6.84	-	300.0268;271.0244; 255.0294; 151.0031	-	463.0868	-	463.0882	-	-3.02
Quercetin	7.86	-	standard solution	-	301.035	-	301.0354	-	-1.33
I3. II8 biapigenin	8.84	-	443.0378;385.0713; 151.0032	-	537.0812	-	537.0827	-	-2.79
Amentoflavone	9.96	-	standard solution	-	537.0814	-	537.0827	-	-2.42
Pseudohypericin	10.35	-	519.0703;487.0437; 421.1124	-	519.0712	-	519.0721	-	-1.73

Table S10: Tentatively identified compounds in *H.delphicum* extract

<i>H. delphicum</i>									
Compound name	Rt	ESI+	ESI-	m/z experimental		m/z theoretical		Δm	
				+	-	+	-	+	-
Neo-chlorogenic acid			191.0579; 135.0452; 85.0301		353.0874		353.0878	-	-1.32
Chlorogenic acid	3.45	-	standard solution	-	353.0880	-	353.0878	-	0.56
Procyanidin B type- Procyanidin C2	3.75	-	713.1532;695.1414; 243.0308;161.0241; 125.0239; 577.1331	-	865.1966	-	865.1985	-	-2.2
Epicatechin	4.08	standard solution	standard solution	291.0849	289.0715	291.0863	289.0717	-4.81	-0.69
Kaempferol rhamnoside	4.38	287.053;269.0402;241.0465; 259.0594; 231.064; 241.0465;213.0534;165.0172	-	433.1108	-	433.1129	-	-4.85	-
Myricetin glucoside	5.83	-	standard solution	-	479.0818	-	479.0831	-	-2.71
Rutin	6.57	-	standard solution	-	609.1449	-	609.1461	-	1.97
Hyperoside	6.58	303.0479;153.0169	301.0325;300.0272; 283.0242;271.0245	465.1007	463.0874	465.1027	463.0882	-4.3	-1.73
Isoquercitrin	6.73	303.0481;153.0174	301.0321;300.0270;	465.1006	463.0872	465.1027	463.0882	-4.51	-2.16

			271.0245;255.0295; 151.0035						
Quercitrin	7.15	-	standard solution	-	447.0921	-	447.0933	-	-2.68
Quercetin arabinofuranoside	7.18	-	301.032; 300.0264; 283.0223;271.0244; 151.0033	-	433.0763	-	433.0776	-	-3
I3. II8 biapigenin	8.84	445.0528; 387.084; 153.017	443.0365;385.0709; 151.0035	539.0972	537.081	539.0947	537.0827	-4.51	4.63
Amentoflavone	9.9	-	standard solution	-	537.0813	-	537.0827	-	-2.6
Pseudohypericin	10.36	-	519.0706;487.042; 475.0797	-	519.0706	-	519.0722	-	-3.08
Hypericin	12.44	-	standard solution	-	503.0777	-	503.0772	-	0.99

TIC chromatograms of *Hypericum* species at the negative ionization mode

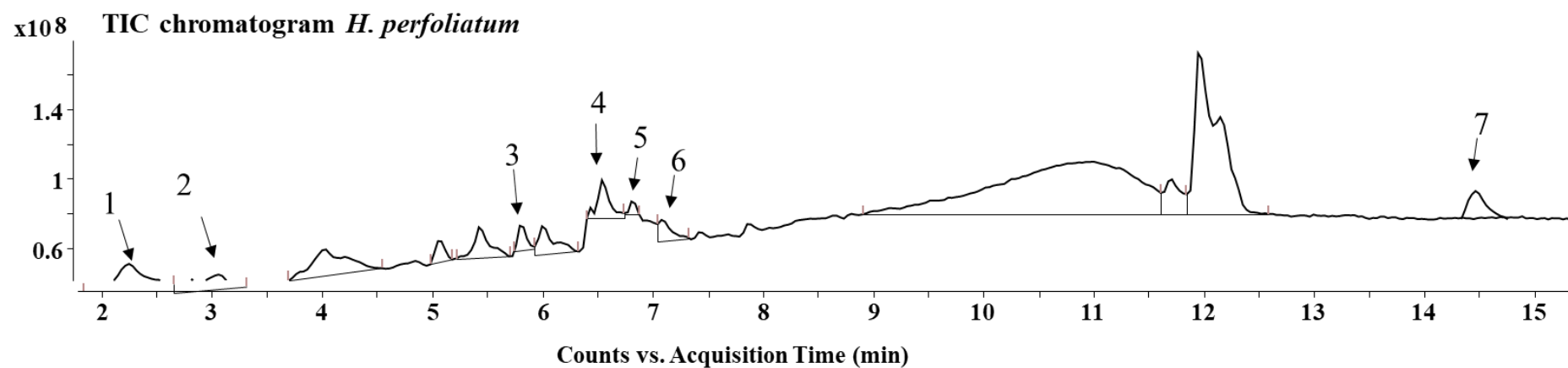


Figure S1: TIC chromatogram of *H. perfoliatum* extract. **1:** procyanidin B1; **2:** procyanidin B type; **3:** apigenin hexoside; **4:** rutin; **5:** quercetin malonylhexoside; **6:** quercitrin; **7:** hyperforin

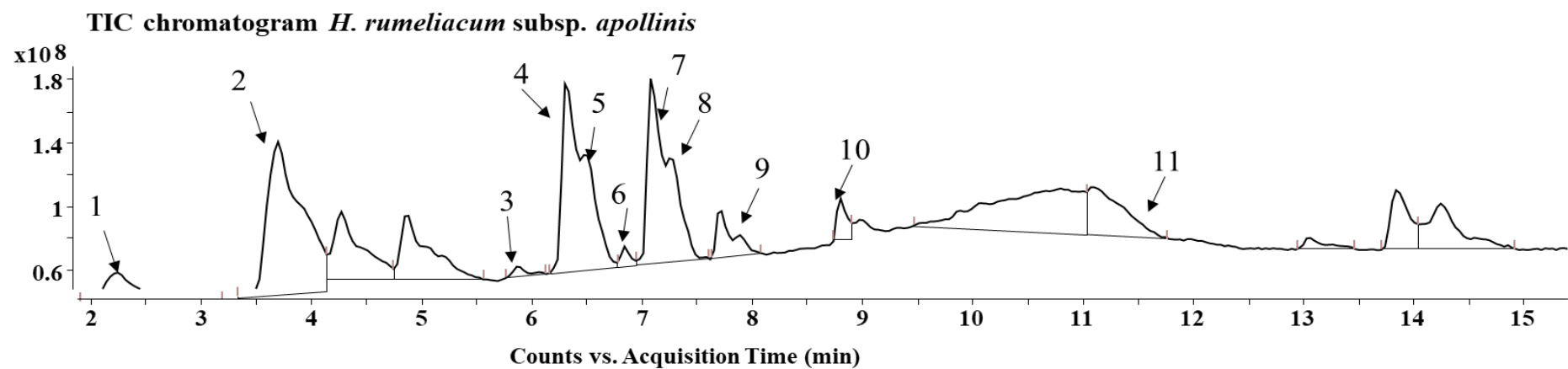


Figure S2: TIC chromatogram of *H. rumeliacum* subsp. *apollinis* extract. **1:** neo-chlorogenic acid; **2:** chlorogenic acid; **3:** myricetin glucoside; **4:** myricitrin; **5:** rutin; **6:** isoquercitrin; **7:** kaempferol glucoside; **8:** quercitrin; **9:** quercetin; **10:** I3, II8 biapigenin; **11:** protohypericin

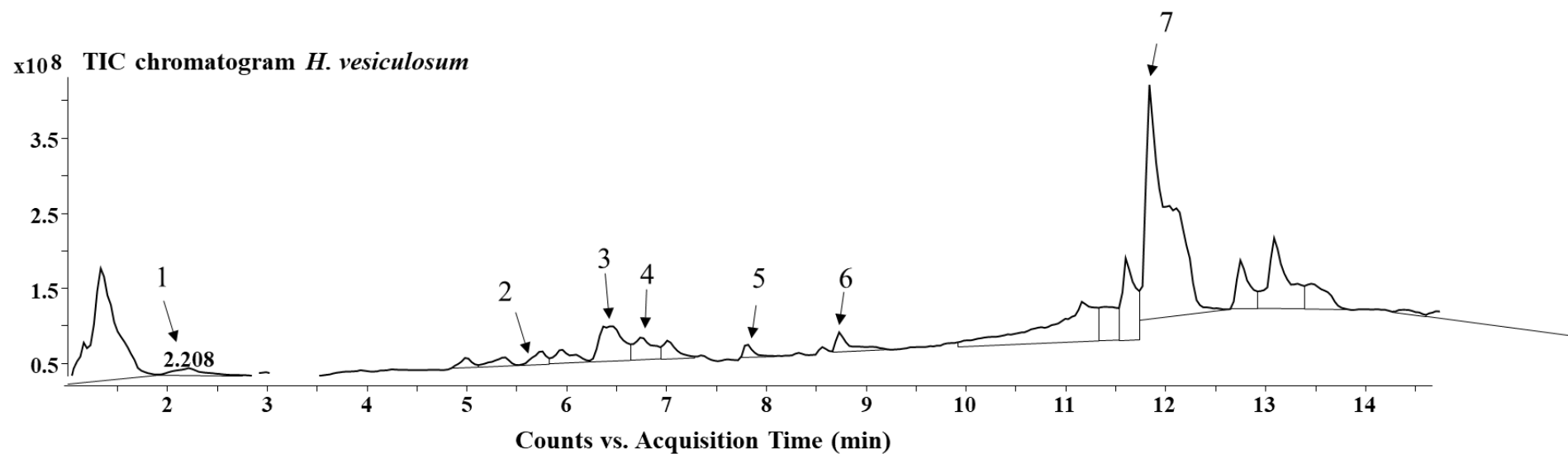


Figure S3: TIC chromatogram of *H. vesiculosum* extract. **1:** neo-chlorogenic acid; **2:** myricetin glucoside; **3:** quercetin malonylhexoside; **4:** isoquercitrin; **5:** quercetin; **6:** I3, II8 biapigenin; **7:** protohypericin

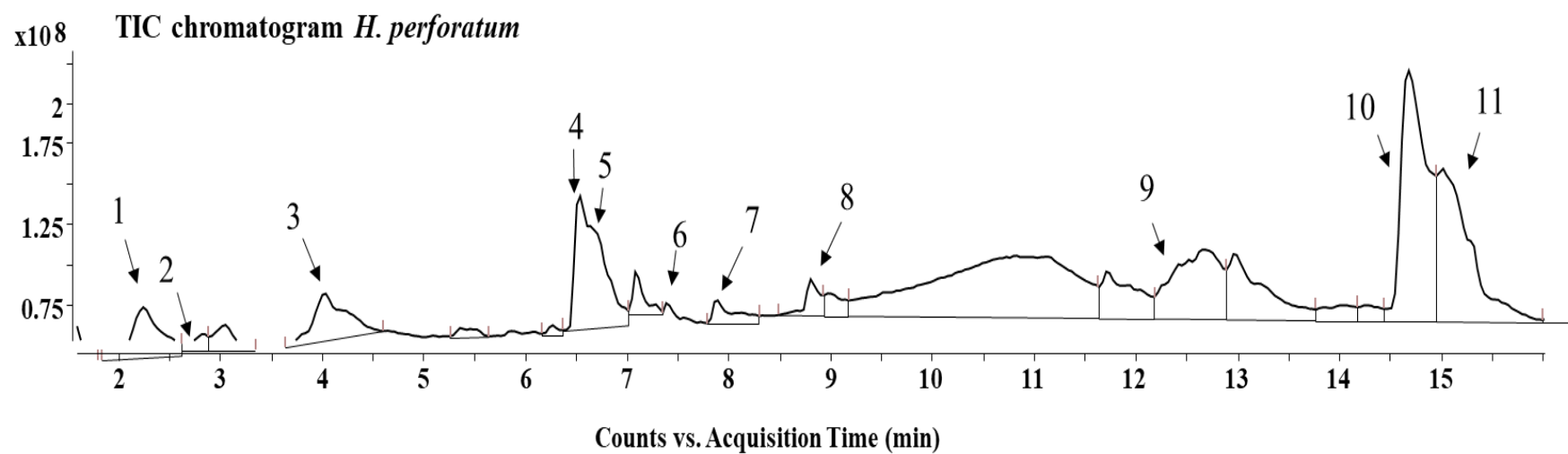


Figure S4: TIC chromatogram of *H. perforatum* extract. **1:** procyanidin B1; **2:** catechin; **3:** epicatechin; **4:** myricetin glucoside; **5:** rutin; **6:** quercetin glucoside acetate; **7:** quercetin; **8:** I3, II8 biapigenin; **9:** hypericin; **10:** hyperforin; **11:** adhyperforin

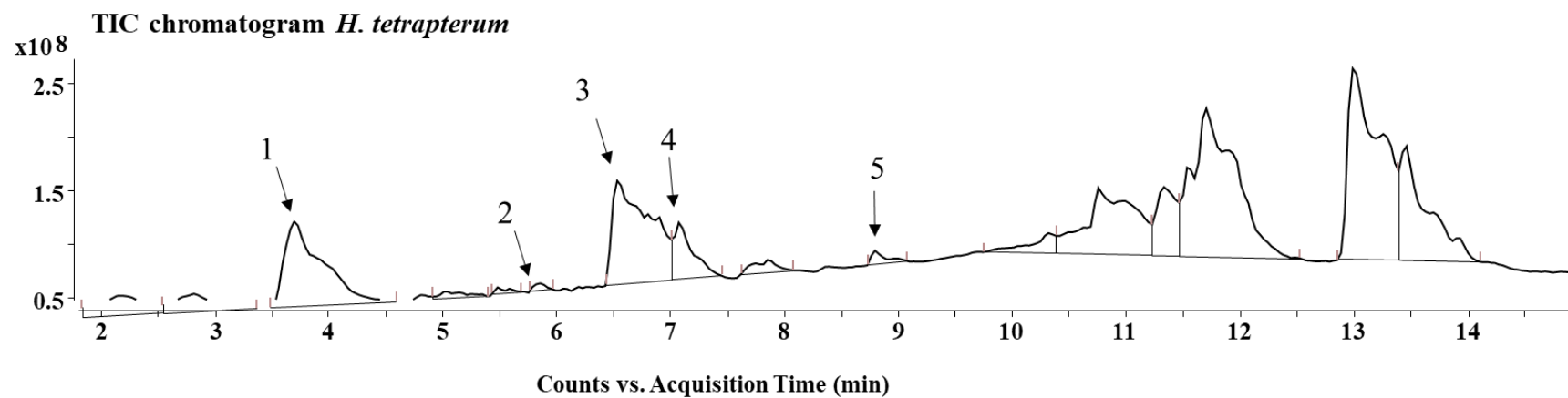


Figure S5: TIC chromatogram of *H. tetrapterum* extract. **1:** chlorogenic acid; **2:** quercetin 3,4-di-O-glucoside; **3:** rutin; **4:** isoquercitrin; **5:** I3, II8 biapigenin glucoside

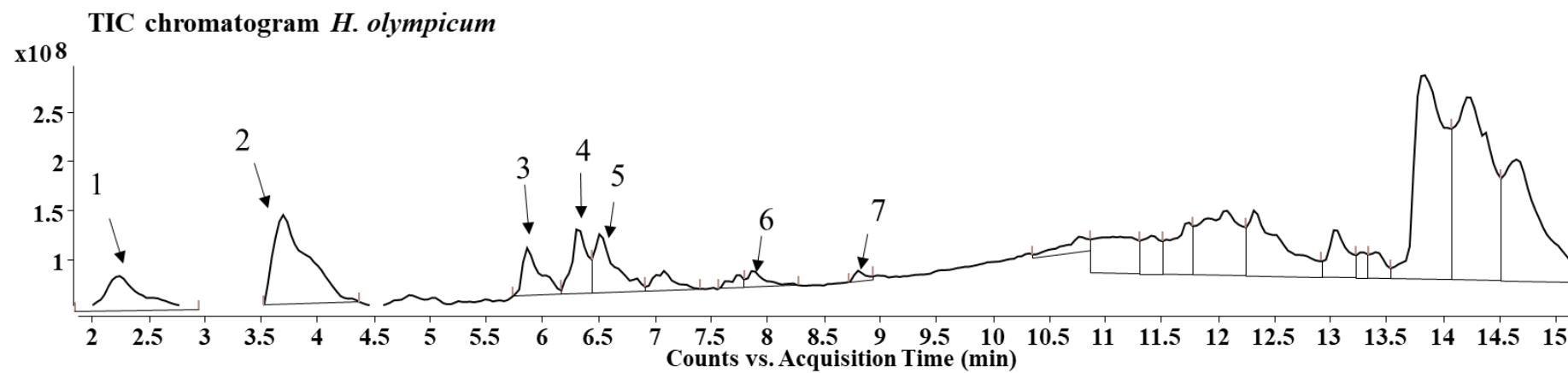
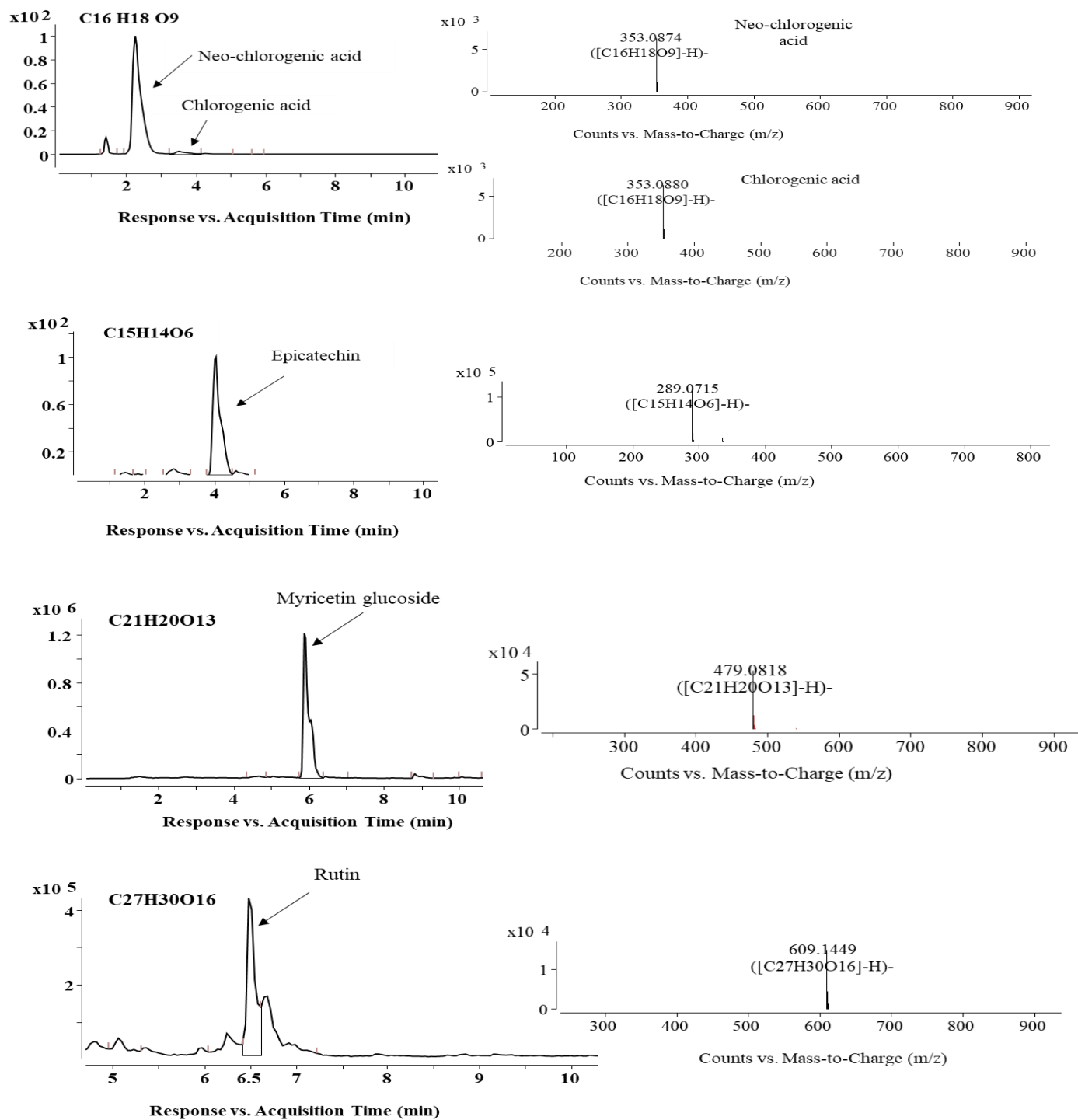


Figure S6: TIC chromatogram of *H. olympicum* extract. 1: Neo-chlorogenic acid; 2: chlorogenic acid; 3: myricetin glucoside; 4: myricetin arabinoside; 5: rutin; 6: quercetin; 7: I3, II8 biapigenin

Figure S7: Mass spectrum of *H. delphicum* extract



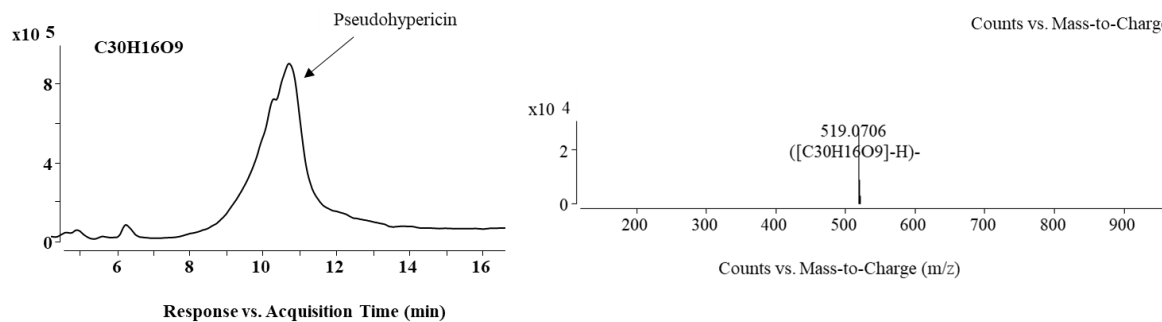
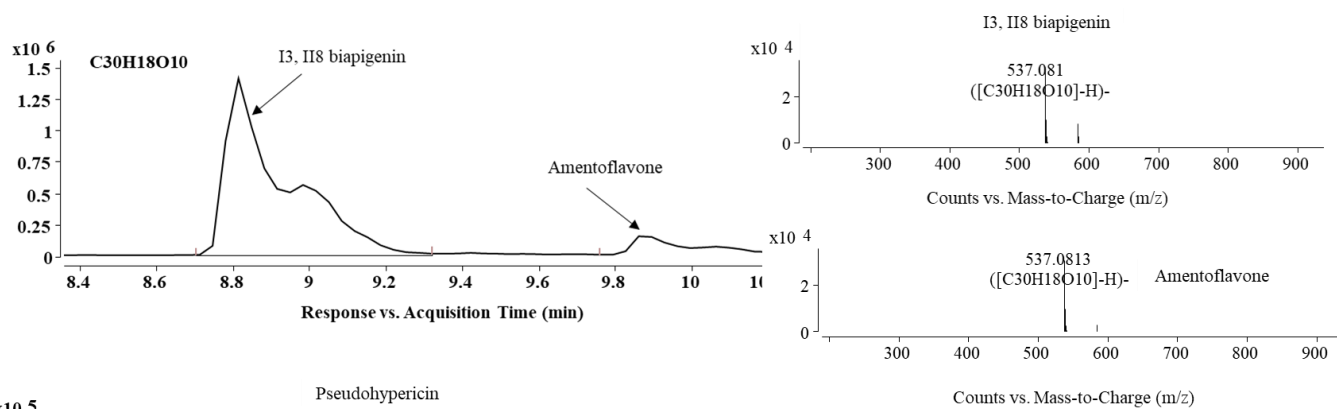
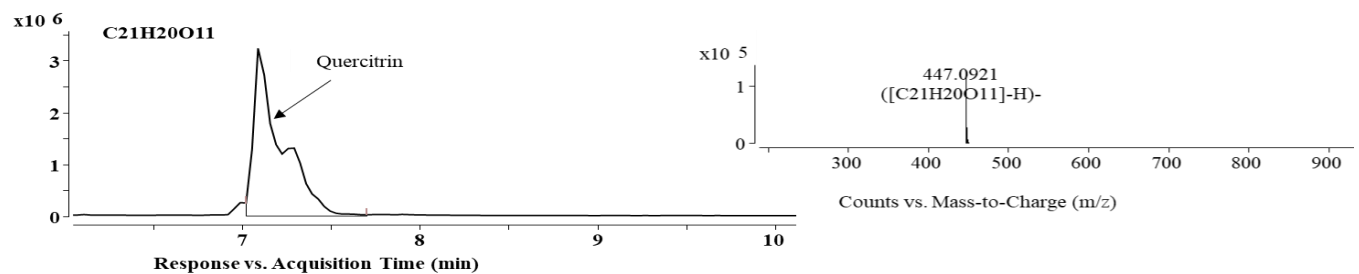
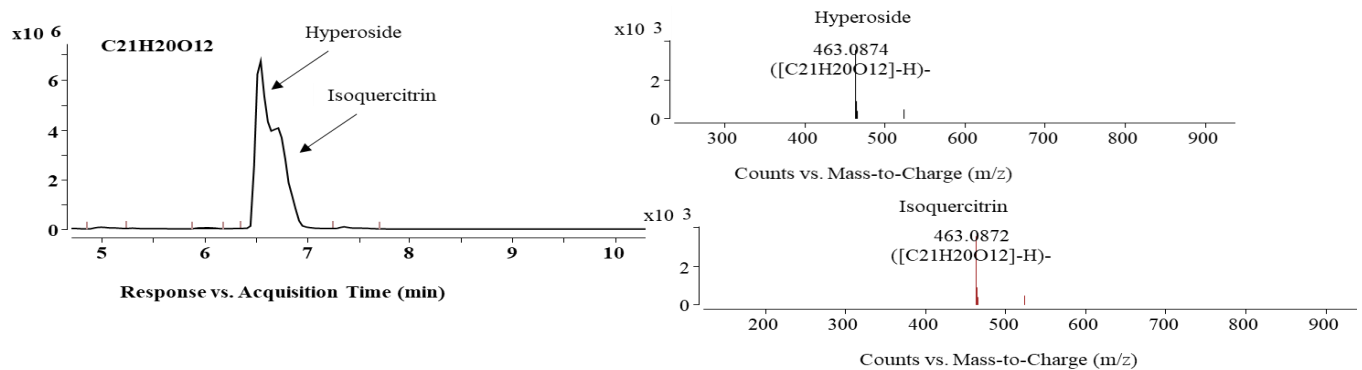


Figure S8: Mass spectrum of *H. cycladicum* extract

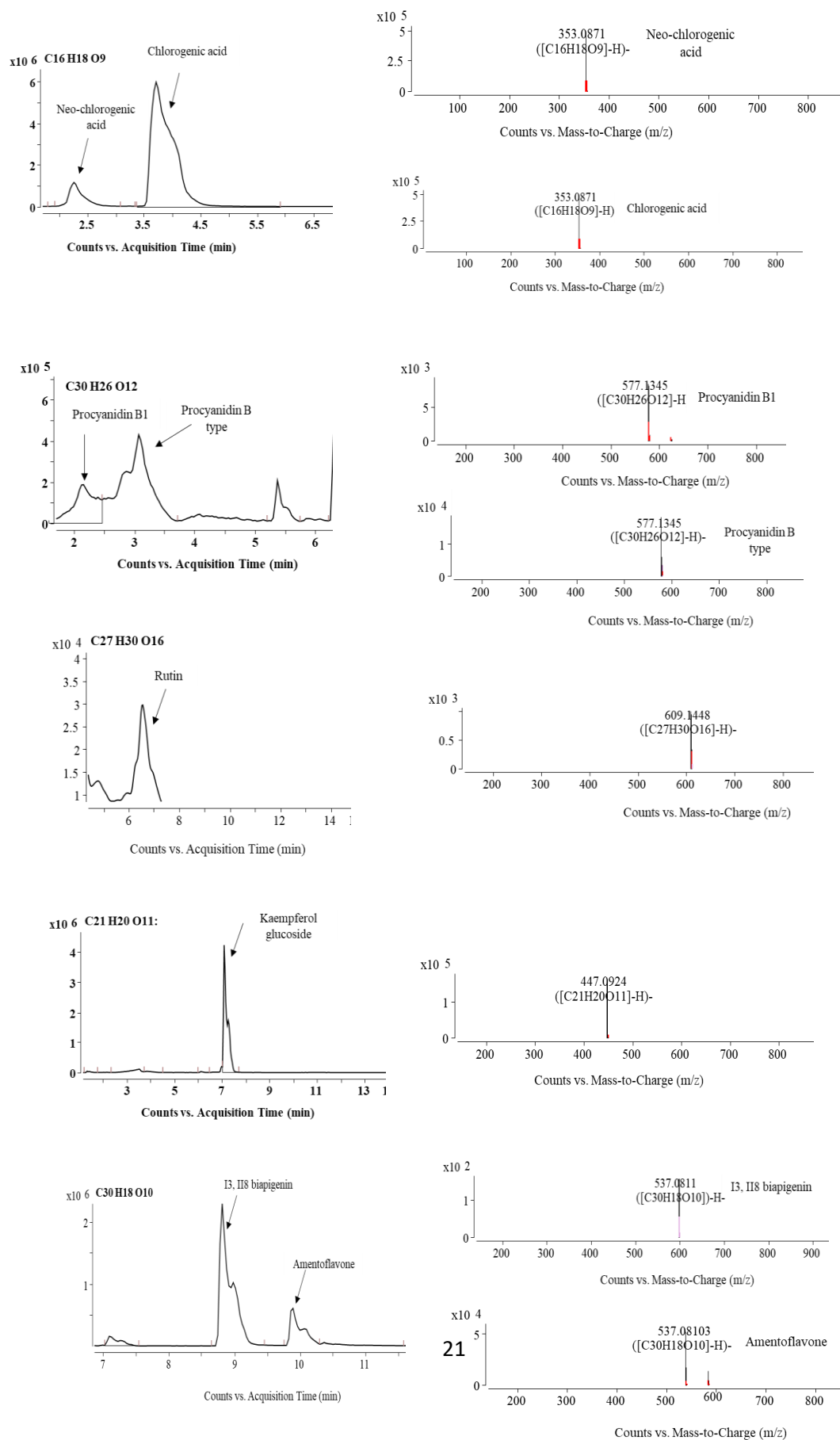


Figure S9: Mass spectra of *H. fragile* extract

