Supplementary Table S1. The main compounds identified in LCH by UPLC-Q/TOF-MS.

NO	T(min)	[M+H]$^+$	Error (ppm)	Formula	m/z	Compound name
1	3.950	[M+H]$^+$	0.76	C_8H_8O	104.057	P-methyl benzaldehyde
2	5.645	[M+H]$^+$	0.47	$C_9H_{11}NO_2$	120.081	L-Phenylalanine
3	7.084	[M-H]$^-$	0.01	$C_9H_{17}NO_5$	146.082	Pantothenic acid
4	8.779	[M-H]$^-$	1.0074	$C_{11}H_{12}N_2O_2$	159.092	L-Tryptophan
5	9.881	[M+H]$^+$	1.0095	$C_{29}H_{26}O_3$	405.187	Substituted polycyclic aromatic hydrocarbons
6	11.830	[M+H]$^+$	0.07	$C_{16}H_{18}O_9$	191.056	Chlorogenic acid
7	12.127	[M+H]$^+$	0.41	$C_{22}H_{32}O_{15}$	213.075	Forsythoside E
8	13.823	[M+H]$^+$	0.93	$C_{17}H_{19}NO_3$	237.091	Coclaurine
9	14.163	[M+H]$^+$	0.37	$C_{19}H_{30}O_8$	385.187	Roseoside
10	15.139	[M-H]$^-$	2.49	$C_{21}H_{20}O_{11}$	359.078	Quercitrin
11	15.988	[M+H]$^+$	0.33	$C_{26}H_{28}O_{15}$	545.128	Carlinoside
12	16.960	[M+H]$^+$	-0.2	$C_{33}H_{40}O_{20}$	611.160	Clovin
13	17.113	[M-H]$^-$	0.37	$C_{33}H_{40}O_{20}$	739.200	Quercetin-3-O-rutinosyl-(1→2)-O-rhamnoside
14	17.219	[M-H]$^-$	1.09	$C_{27}H_{30}O_{17}$	316.022	Quercetin 3-gentiobioside
15	17.898	[M+H]$^+$	0.25	$C_{26}H_{28}O_{14}$	433.092	Vicenin -1
16	18.238	[M+H]$^+$	-0.61	$C_{33}H_{40}O_{19}$	595.163	Kaempferol 3-O- (2,6-α-L-dirhamnopyranosyl-β-D-glucopyranoside)
17	18.535	[M-H]$^-$	-0.33	$C_{33}H_{40}O_{19}$	575.142	Mauritianin
18	19.342	[M+H]$^+$	0.56	$C_{27}H_{30}O_{16}$	303.050	Rutin
19	19.681	[M+H]$^+$	0.05	$C_{27}H_{30}O_{15}$	287.055	Kaempferol-3-O-rutinoside
20	21.379	[M-H]$^-$	1.55	$C_{27}H_{30}O_{15}$	429.084	Kaempferol-3-O-β-robinobioside
21	22.015	[M-H]$^-$	0.88	$C_{15}H_{10}O_6$	284.032	Cynaroside