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SUPPLEMENTAL DATA

Jebahi et al: Plant-based ZnO nanoparticles study

Green synthesis of plant-derived ZnO nanoparticles: Characterization, pharmacokinetics, molecular interactions, and *in-vitro* antimicrobial–antifungal evaluation

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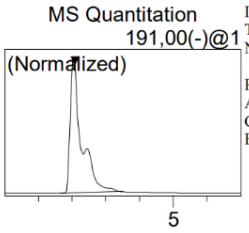
https://www.bjbms.org/ojs/index.php/bjbms/article/view/12090



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Target
quinic acid

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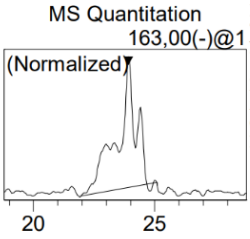
137,725ppm



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Conc.:
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Target
p-coumaric acid

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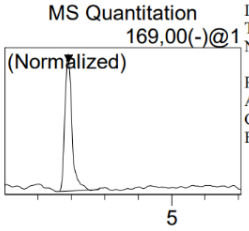
80977
0,130ppm



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Ret.Time:
Area:
Conc.:
Event:1

m/z: 169,00
Target
Gallic acid

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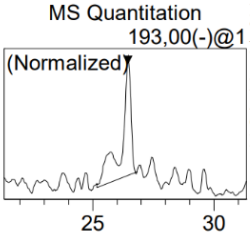
0,153ppm



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Name:

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Area:
Conc.:
Event:1

m/z: 193,00
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trans frulic acid

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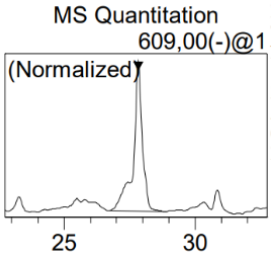

ID#: 14
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

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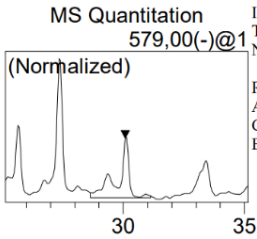
Target
Rutin

27,837
250104
0,225ppm



ID#: 18
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 579,00
Target
Naringin

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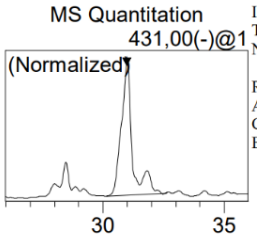
190371
0,437ppm



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Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

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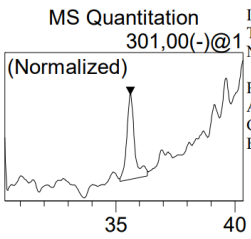
Target
Apegenin-7-o-glucoside

30,987
518839
0,262ppm



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Ret.Time:
Area:
Conc.:
Event:1

m/z: 301,00
Target
quercetin

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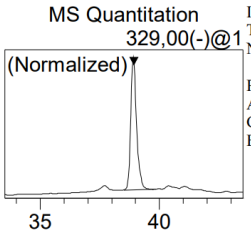
73283
0,022ppm



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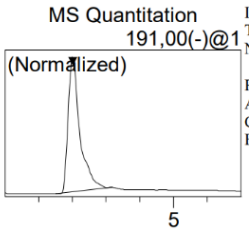
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 329,00
Target
Cirsiliol

38,926
1130476
0,712ppm



ID#: 1
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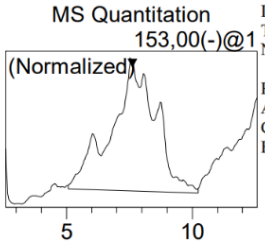
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 191,00
Target
quinic acid

2,015
24879414
141,767ppm

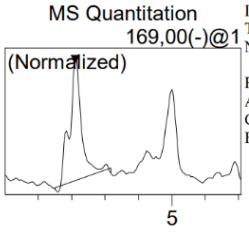


ID#: 3
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 153,00
Target
Protocachuic acid

7,611
255179
2,840ppm

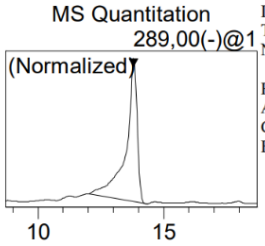


ID#: 2
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 169,00
Target
Gallic acid

2,113
21130
0,106ppm

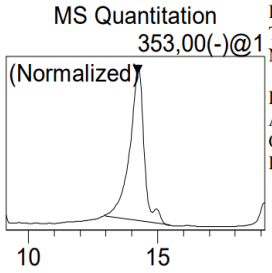


ID#: 4
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 289,00
Target
Catechin (+)

13,792
2029222
9,723ppm

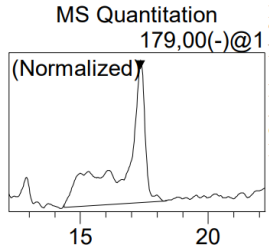


ID#: 5
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 353,00
Target
cholorogenic acid

14,234
27081062
171,640ppm

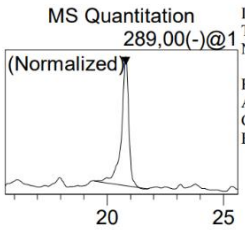


ID#: 7
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 179,00
Target
caffeic acid

17,338
275056
1,007ppm

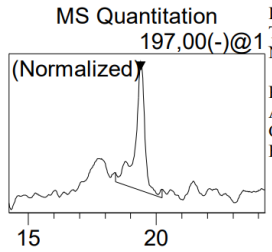


ID#: 10
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 289,00
Target
Epicatechin

20,800
292102
0,878ppm

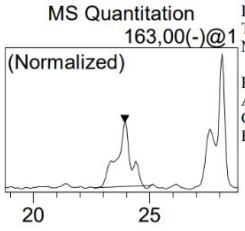


ID#: 9
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 197,00
Target
syringic acid

19,386
29854
0,366ppm

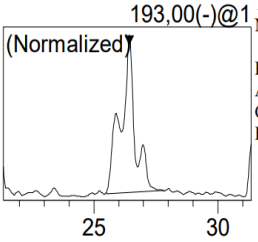


ID#: 12
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 163,00
Target
p-coumaric acid

23,916
95593
0,156ppm

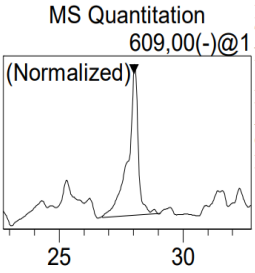


ID#: 13
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 193,00
Target
trans frulic acid

26,423
182284
0,080ppm

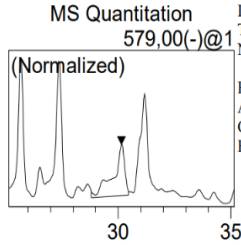


ID#: 14
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 609,00
Target
Rutin

28,020
589506
0,530ppm

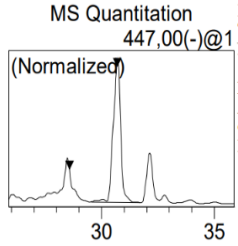


ID#: 18
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 579,00
Target
Naringin

30,149
1027248
2,623ppm

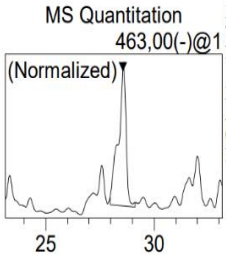


ID#: 19
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 447,00
Target
Quercetrin (quercetin-3-o-rl

30,680
5846007
6,377ppm

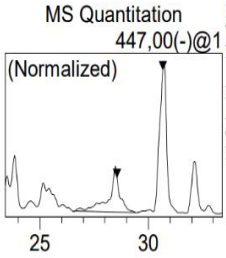


ID#: 15
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 463,00
Target
Hyperoside (quercetin-3-o-ξ

28,561
1129020
0,556ppm

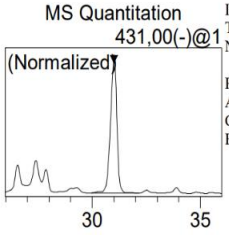


ID#: 16
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 447,00
Target
Luteolin-7-o-glucoside

28,567
2603798
2,205ppm

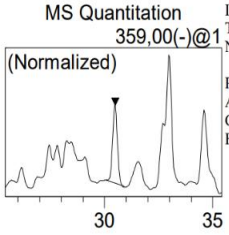


ID#: 20
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 431,00
Target
Apegenin-7-o-glucoside

31,007
7134815
4,282ppm

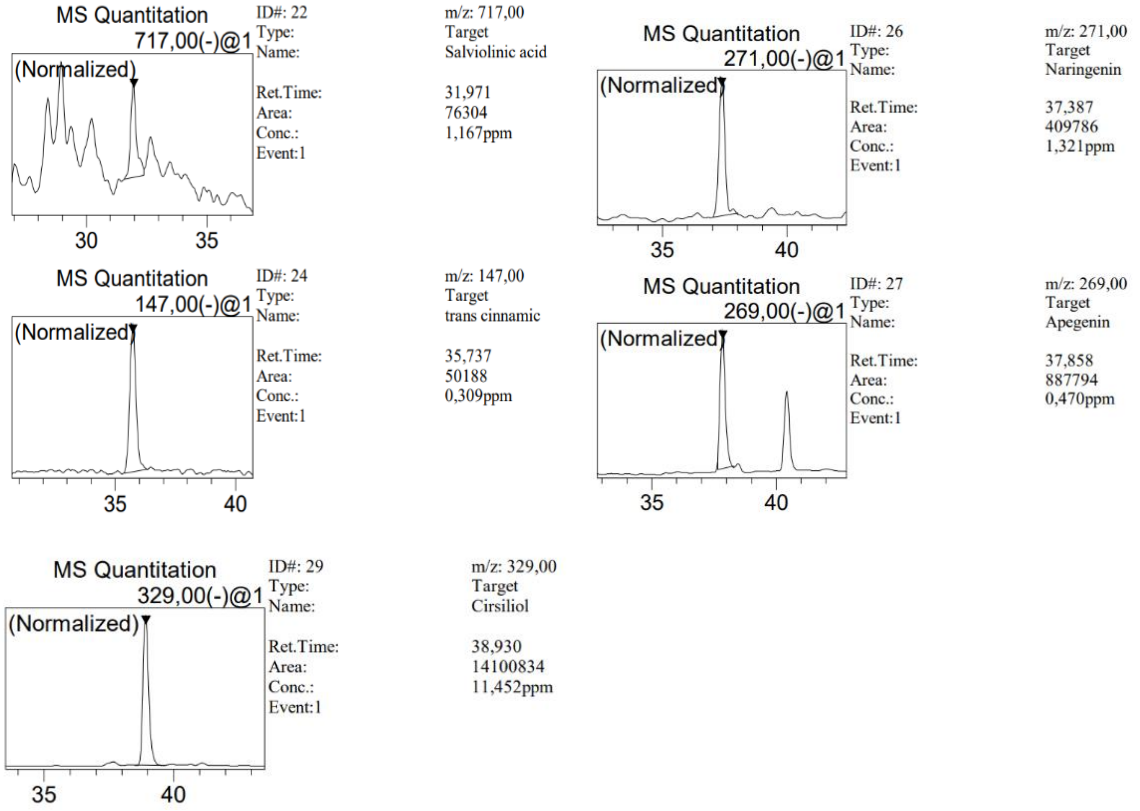


ID#: 21
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 359,00
Target
Rosmarinic acid

30,488
102957
0,099ppm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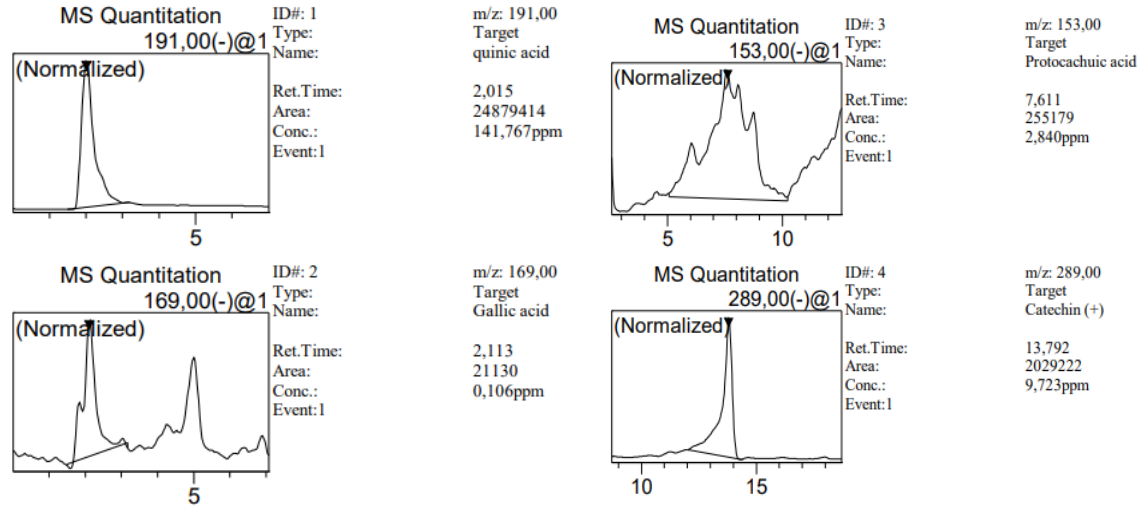
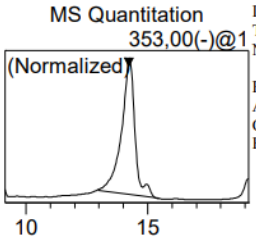
717,00(-)@1
(Normalized)
ID#: 22
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 717,00
Target
Salviolinic acid
31,971
76304
1,167ppm
MS Quantitation
271,00(-)@1
(Normalized)
ID#: 26
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 271,00
Target
Naringenin
37,387
409786
1,321ppm
MS Quantitation
147,00(-)@1
(Normalized)
ID#: 24
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 147,00
Target
trans cinnamic
35,737
50188
0,309ppm
MS Quantitation
269,00(-)@1
(Normalized)
ID#: 27
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 269,00
Target
Apegenin
37,858
887794
0,470ppm
MS Quantitation
329,00(-)@1
(Normalized)
ID#: 29
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 329,00
Target
Cirsiliol
38,930
14100834
11,452ppm

Figure S1.


MS Quantitation
191,00(-)@1
(Normalized)
ID#: 1
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 191,00
Target
quinic acid
2,015
24879414
141,767ppm
MS Quantitation
153,00(-)@1
(Normalized)
ID#: 3
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 153,00
Target
Protocachuic acid
7,611
255179
2,840ppm
MS Quantitation
169,00(-)@1
(Normalized)
ID#: 2
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 169,00
Target
Gallic acid
2,113
21130
0,106ppm
MS Quantitation
289,00(-)@1
(Normalized)
ID#: 4
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 289,00
Target
Catechin (+)
13,792
2029222
9,723ppm

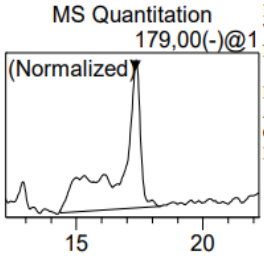


ID#: 5
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 353,00
Target
chlorogenic acid

14,234
27081062
171,640ppm

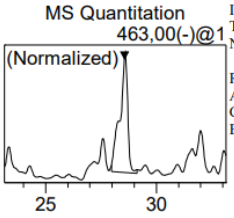


ID#: 7
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 179,00
Target
caffeic acid

17,338
275056
1,007ppm

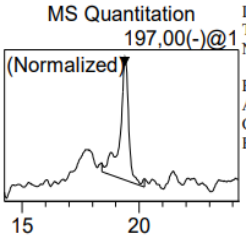


ID#: 15
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 463,00
Target
Hyperoside (quercetin-3-o-g

28,561
1129020
0,556ppm

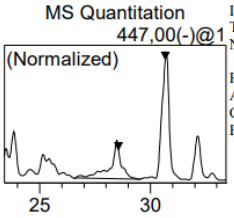


ID#: 9
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 197,00
Target
syringic acid

19,386
29854
0,366ppm

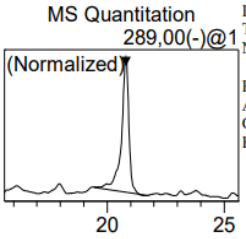


ID#: 16
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 447,00
Target
Luteolin-7-o-glucoside

28,567
2603798
2,205ppm

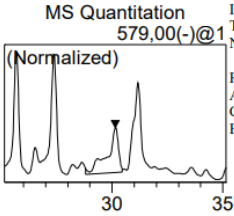


ID#: 10
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 289,00
Target
Epicatechin

20,800
292102
0,878ppm

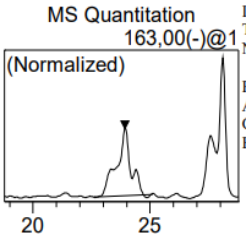


ID#: 18
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 579,00
Target
Naringin

30,149
1027248
2,623ppm

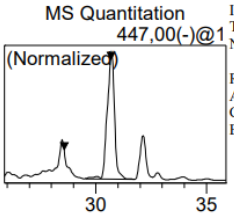


ID#: 12
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 163,00
Target
p-coumaric acid

23,916
95593
0,156ppm



ID#: 19
Type:
Name:

Ret.Time:
Area:
Conc.:
Event:1

m/z: 447,00
Target
Quercetrin (quercetin-3-o-rl

30,680
5846007
6,377ppm

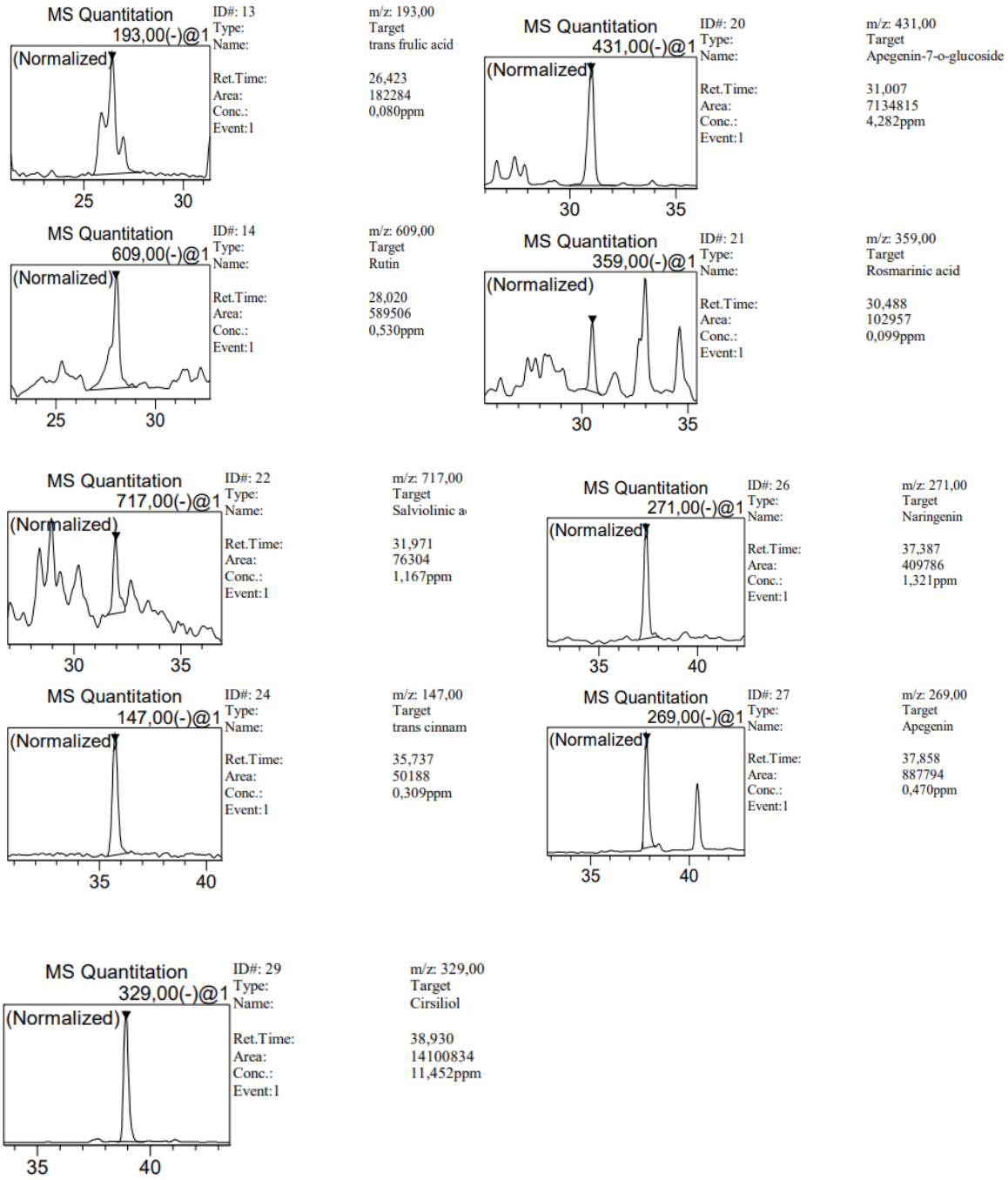

MS Quantitation
193,00(-)@1
(Normalized)
ID#: 13
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 193,00
Target
trans frulic acid
26,423
182284
0,080ppm
MS Quantitation
431,00(-)@1
(Normalized)
ID#: 20
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 431,00
Target
Apegenin-7-o-glucoside
31,007
7134815
4,282ppm
MS Quantitation
609,00(-)@1
(Normalized)
ID#: 14
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 609,00
Target
Rutin
28,020
589506
0,530ppm
MS Quantitation
359,00(-)@1
(Normalized)
ID#: 21
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 359,00
Target
Rosmarinic acid
30,488
102957
0,099ppm
MS Quantitation
717,00(-)@1
(Normalized)
ID#: 22
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 717,00
Target
Salviolinic a
31,971
76304
1,167ppm
MS Quantitation
271,00(-)@1
(Normalized)
ID#: 26
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 271,00
Target
Naringenin
37,387
409786
1,321ppm
MS Quantitation
147,00(-)@1
(Normalized)
ID#: 24
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 147,00
Target
trans cinnam
35,737
50188
0,309ppm
MS Quantitation
269,00(-)@1
(Normalized)
ID#: 27
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 269,00
Target
Apegenin
37,858
887794
0,470ppm
MS Quantitation
329,00(-)@1
(Normalized)
ID#: 29
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 329,00
Target
Cirsiliol
38,930
14100834
11,452ppm

Figure S2.

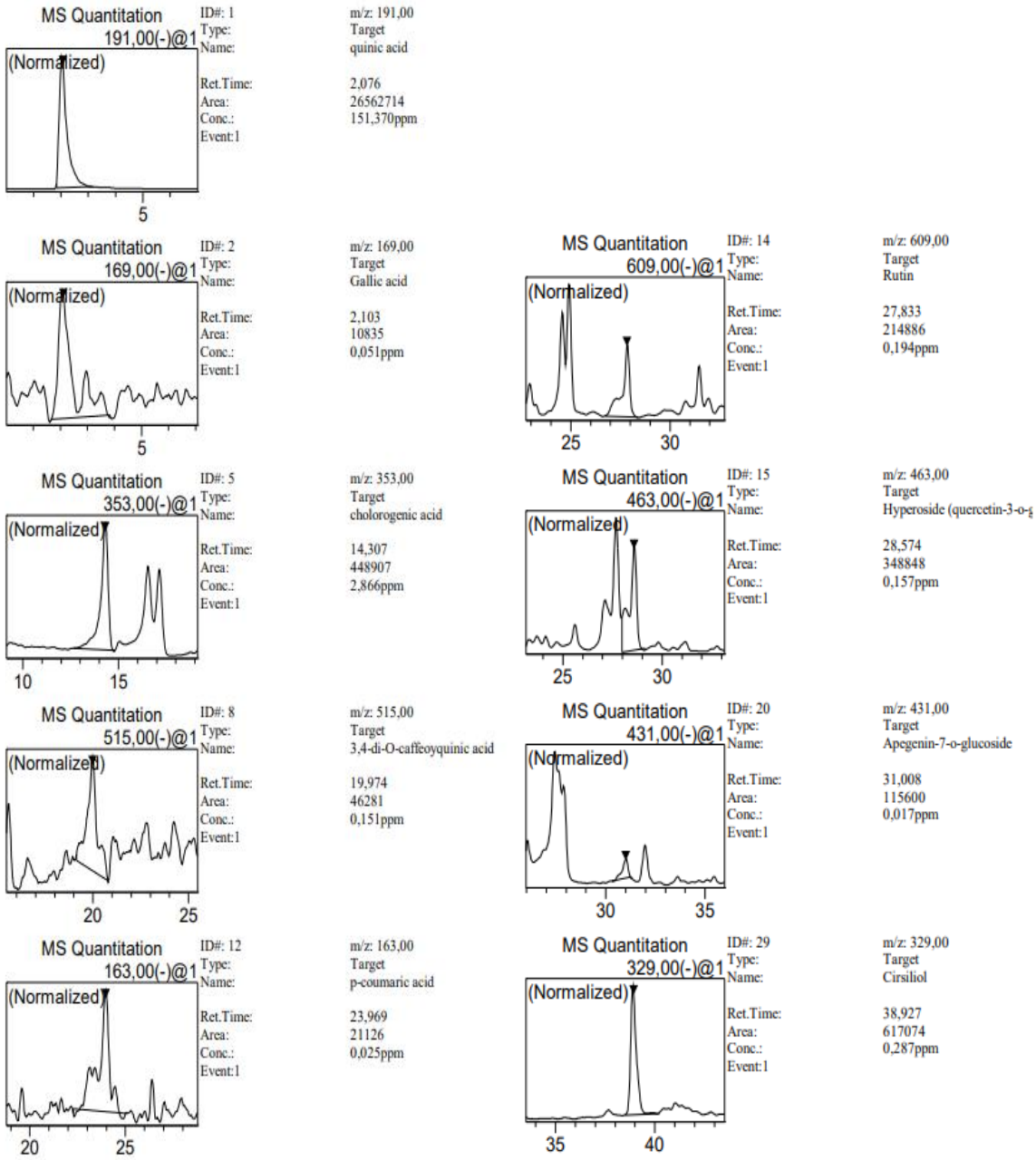
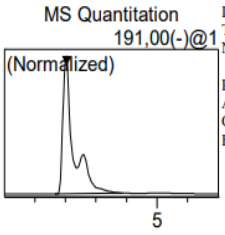
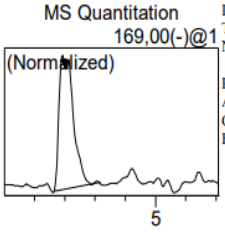

MS Quantitation
191,00(-)@1
(Normalized)
ID#: 1
Type:
Name:
m/z: 191,00
Target
quinic acid
Ret.Time:
Area:
Conc.:
Event:1
2,076
26562714
151,370ppm
MS Quantitation
169,00(-)@1
(Normalized)
ID#: 2
m/z: 169,00
Target
Gallic acid
2,103
10835
0,051ppm
MS Quantitation
609,00(-)@1
(Normalized)
ID#: 14
m/z: 609,00
Target
Rutin
27,833
214886
0,194ppm
MS Quantitation
353,00(-)@1
(Normalized)
ID#: 5
m/z: 353,00
Target
cholorogenic acid
14,307
448907
2,866ppm
MS Quantitation
463,00(-)@1
(Normalized)
ID#: 15
m/z: 463,00
Target
Hyperoside (quercetin-3-o-g
28,574
348848
0,157ppm
MS Quantitation
515,00(-)@1
(Normalized)
ID#: 8
m/z: 515,00
Target
3,4-di-O-caffeoyquinic acid
19,974
46281
0,151ppm
MS Quantitation
431,00(-)@1
(Normalized)
ID#: 20
m/z: 431,00
Target
Apegenin-7-o-glucoside
31,008
115600
0,017ppm
MS Quantitation
163,00(-)@1
(Normalized)
ID#: 12
m/z: 163,00
Target
p-coumaric acid
23,969
21126
0,025ppm
MS Quantitation
329,00(-)@1
(Normalized)
ID#: 29
m/z: 329,00
Target
Cirsiliol
38,927
617074
0,287ppm

Figure S3.



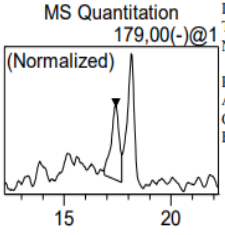
ID#: 1
Type:
Name:
m/z: 191,00
Target
quinic acid

Ret.Time:
Area:
Conc.:
Event:1
2,038
32022134
182,515ppm



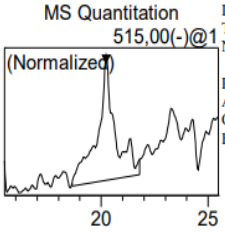
ID#: 2
Type:
Name:
m/z: 169,00
Target
Gallic acid

Ret.Time:
Area:
Conc.:
Event:1
2,006
31533
0,162ppm



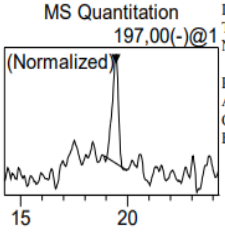
ID#: 7
Type:
Name:
m/z: 179,00
Target
caffeic acid

Ret.Time:
Area:
Conc.:
Event:1
17,413
26052
0,114ppm



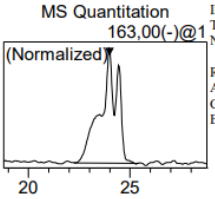
ID#: 8
Type:
Name:
m/z: 515,00
Target
3,4-di-O-caffeoyquinic acid

Ret.Time:
Area:
Conc.:
Event:1
20,236
172872
0,591ppm



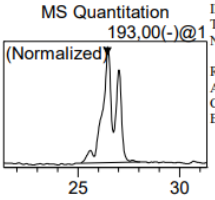
ID#: 9
Type:
Name:
m/z: 197,00
Target
syringic acid

Ret.Time:
Area:
Conc.:
Event:1
19,448
5430
0,076ppm



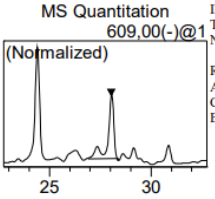
ID#: 12
Type:
Name:
m/z: 163,00
Target
p-coumaric acid

Ret.Time:
Area:
Conc.:
Event:1
23,991
174299
0,294ppm



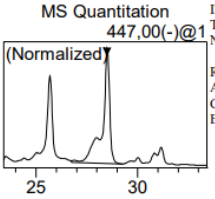
ID#: 13
Type:
Name:
m/z: 193,00
Target
trans frulic acid

Ret.Time:
Area:
Conc.:
Event:1
26,450
552355
0,230ppm



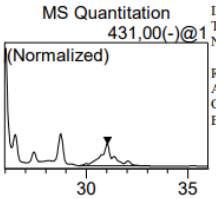
ID#: 14
Type:
Name:
m/z: 609,00
Target
Rutin

Ret.Time:
Area:
Conc.:
Event:1
28,034
503293
0,452ppm



ID#: 16
Type:
Name:
m/z: 447,00
Target
Luteolin-7-o-glucoside

Ret.Time:
Area:
Conc.:
Event:1
28,499
5231586
4,414ppm



ID#: 20
Type:
Name:
m/z: 431,00
Target
Apegenin-7-o-glucoside

Ret.Time:
Area:
Conc.:
Event:1
31,030
4393083
2,616ppm

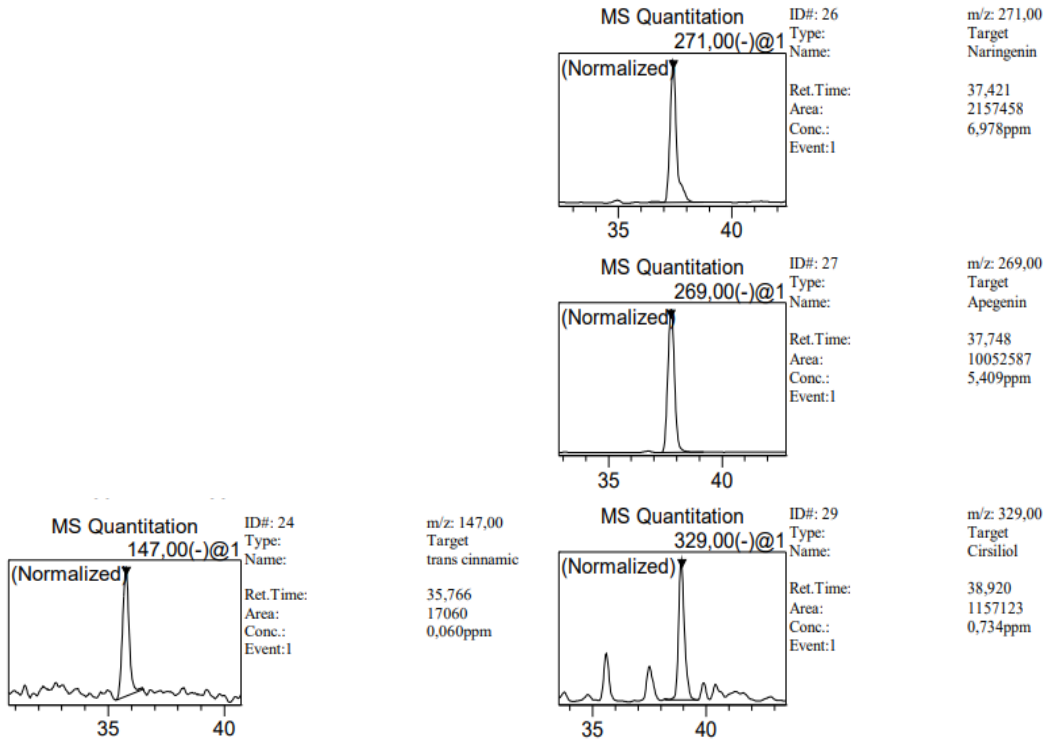

MS Quantitation
271,00(-)@1
(Normalized)
ID#: 26
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 271,00
Target
Naringenin
37,421
2157458
6,978ppm
35
40
MS Quantitation
269,00(-)@1
(Normalized)
ID#: 27
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 269,00
Target
Apegenin
37,748
10052587
5,409ppm
35
40
MS Quantitation
147,00(-)@1
(Normalized)
ID#: 24
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 147,00
Target
trans cinnamic
35,766
17060
0,060ppm
35
40
MS Quantitation
329,00(-)@1
(Normalized)
ID#: 29
Type:
Name:
Ret.Time:
Area:
Conc.:
Event:1
m/z: 329,00
Target
Cirsiliol
38,920
1157123
0,734ppm
35
40

Figure S4.