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Ionization characteristics of glycosides in direct analysis in real time quadrupole-time of flight mass spectrometry

Hongmei Yang,*[a,d] Ge Gao,[c] Yihan Wang,[a] Jinrong Liu,[b] Zongjun Li[d], Rui Su,[a,b] Bing Wang,[b] Wenhui Lian,[a] Xinhua Guo[b] and Shuying Liu*[a,d]

[a]Changchun University of Chinese Medicine, Changchun 130117, China.

E-mail: yanghm0327@sina.cn, syliu19@ciac.ac.cn

[b]Department of Chemistry, Jilin University, Changchun 130012, China.

[c]Department of pathology, China-Japan Union Hospital, Jilin University, Changchun 130033, China.

[d]Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, 5625 Renmin Street, Changchun 130022, China.

Supplemental Information

Figure Legends

Fig. S1 Plots of influence of temperature on signal intensity. (a) 10 μg/mL 2-nitrophenyl β-D-galactopyranoside, (b) 10 μg/mL hyperoside, and (c) 10 μg/mL 2'-deoxyadenosine in positive ion mode.

Fig. S2 He-DART mass spectra of 10 μg/mL hyperoside at different fragmentor voltages. (a) fragmentor voltage: 10 V; (b) fragmentor voltage: 50 V; (c) fragmentor voltage: 100 V; (d) fragmentor voltage: 200 V; (e) fragmentor voltage: 300 V; (f) fragmentor voltage: 400 V.

Fig. S1

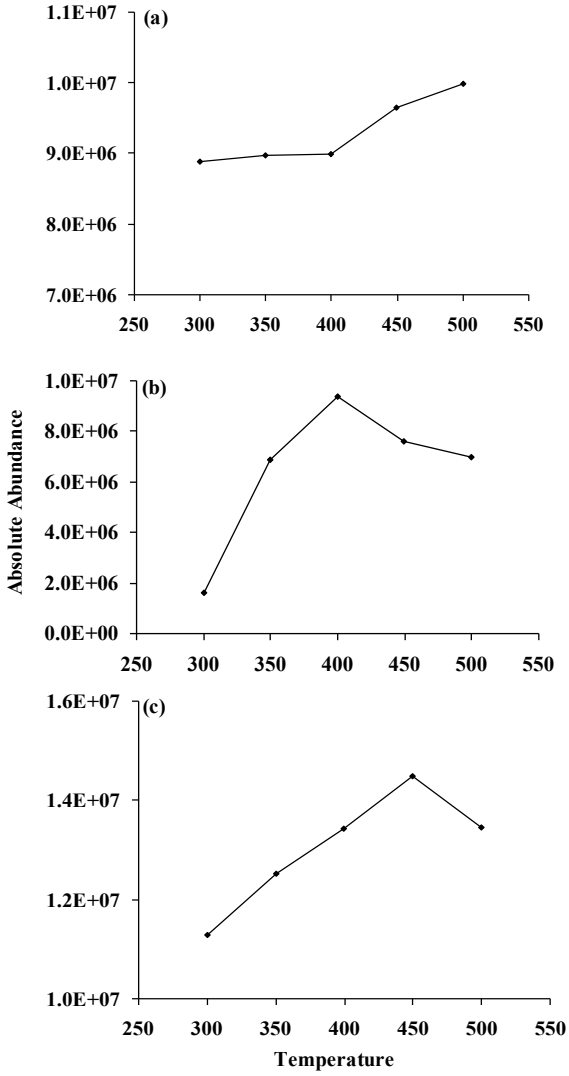
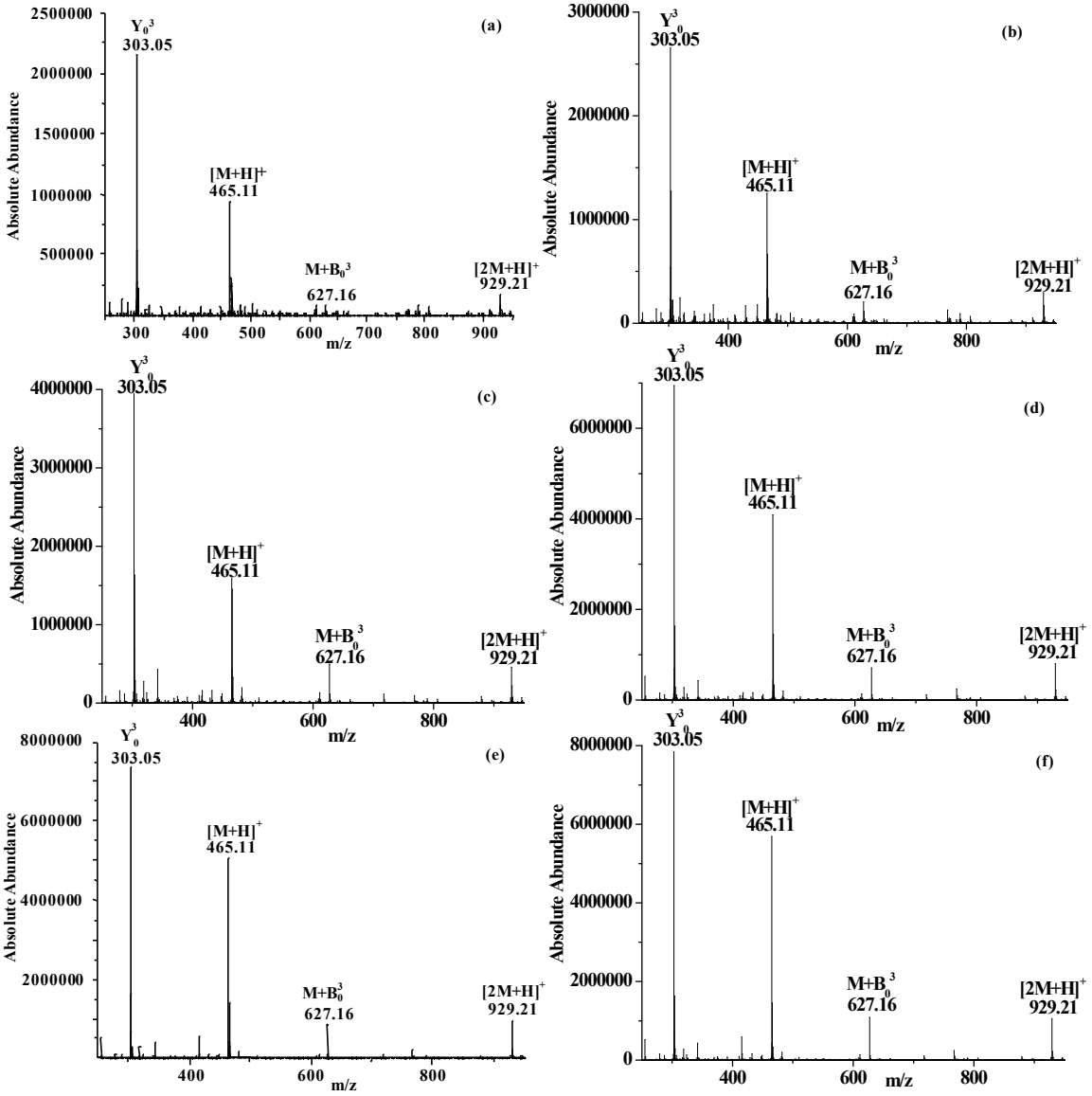

(a)
1.1E+07
1.0E+07
9.0E+06
8.0E+06
7.0E+06
250
300
350
400
450
500
550
(b)
1.0E+07
8.0E+06
6.0E+06
4.0E+06
2.0E+06
0.0E+00
Absolute Abundance
(c)
1.6E+07
1.4E+07
1.2E+07
1.0E+07
Temperature

Fig. S2


(a)
Y_0^3 303.05
[M+H]+ 465.11
$M+B_0^3$ 627.16
[2M+H]+ 929.21
(b)
Y_0^3 303.05
[M+H]+ 465.11
$M+B_0^3$ 627.16
[2M+H]+ 929.21
(c)
Y_0^3 303.05
[M+H]+ 465.11
$M+B_0^3$ 627.16
[2M+H]+ 929.21
(d)
Y_0^3 303.05
[M+H]+ 465.11
$M+B_0^3$ 627.16
[2M+H]+ 929.21
(e)
Y_0^3 303.05
[M+H]+ 465.11
$M+B_0^3$ 627.16
[2M+H]+ 929.21
(f)
Y_0^3 303.05
[M+H]+ 465.11
$M+B_0^3$ 627.16
[2M+H]+ 929.21
Absolute Abundance
m/z