

Supplementary Material

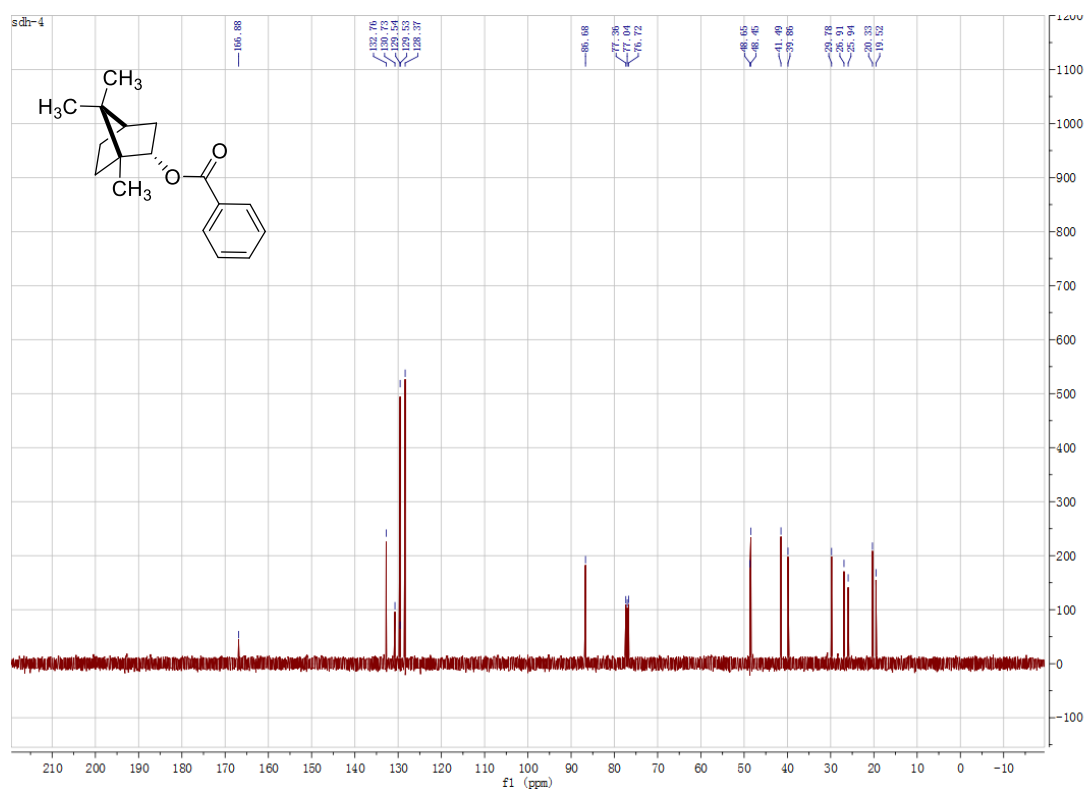
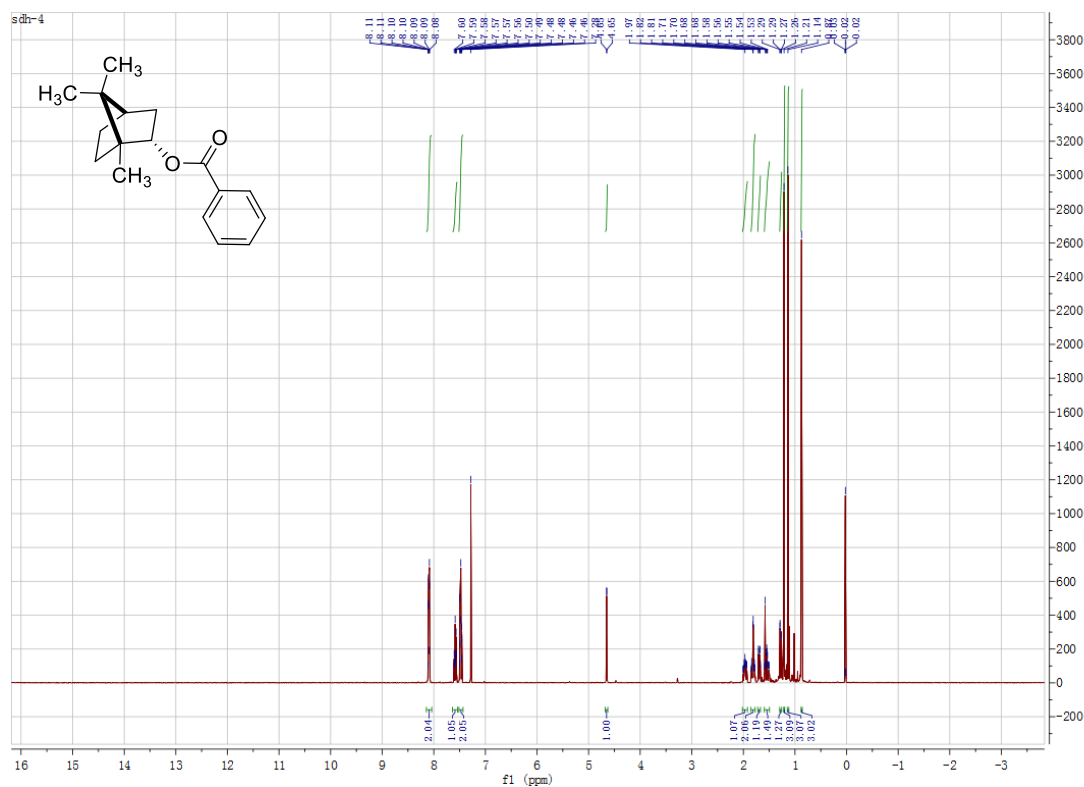
**Synthesis, Insecticidal, Fungicidal Activity and
Structure–Activity Relationships of Tschimganin Analogs**

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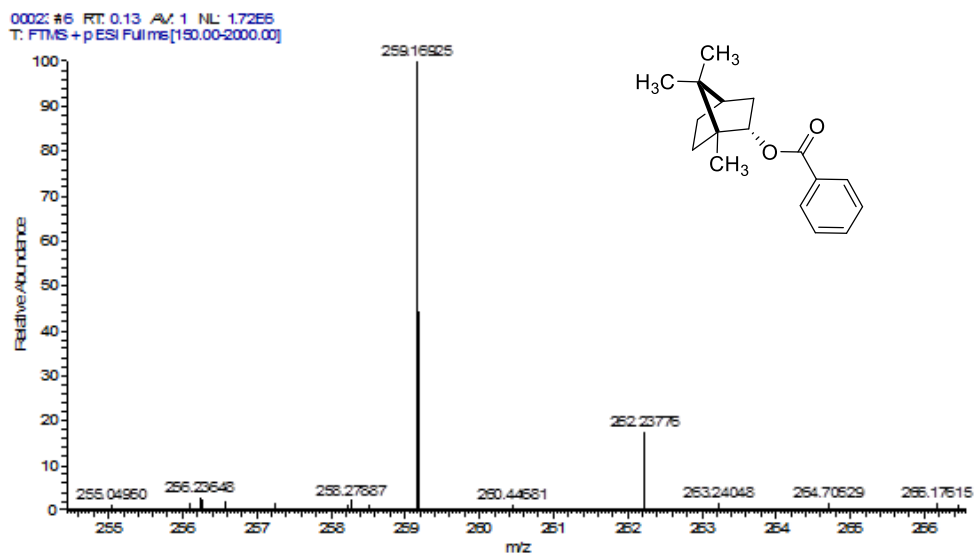


Figure 3 HRMS of 3a

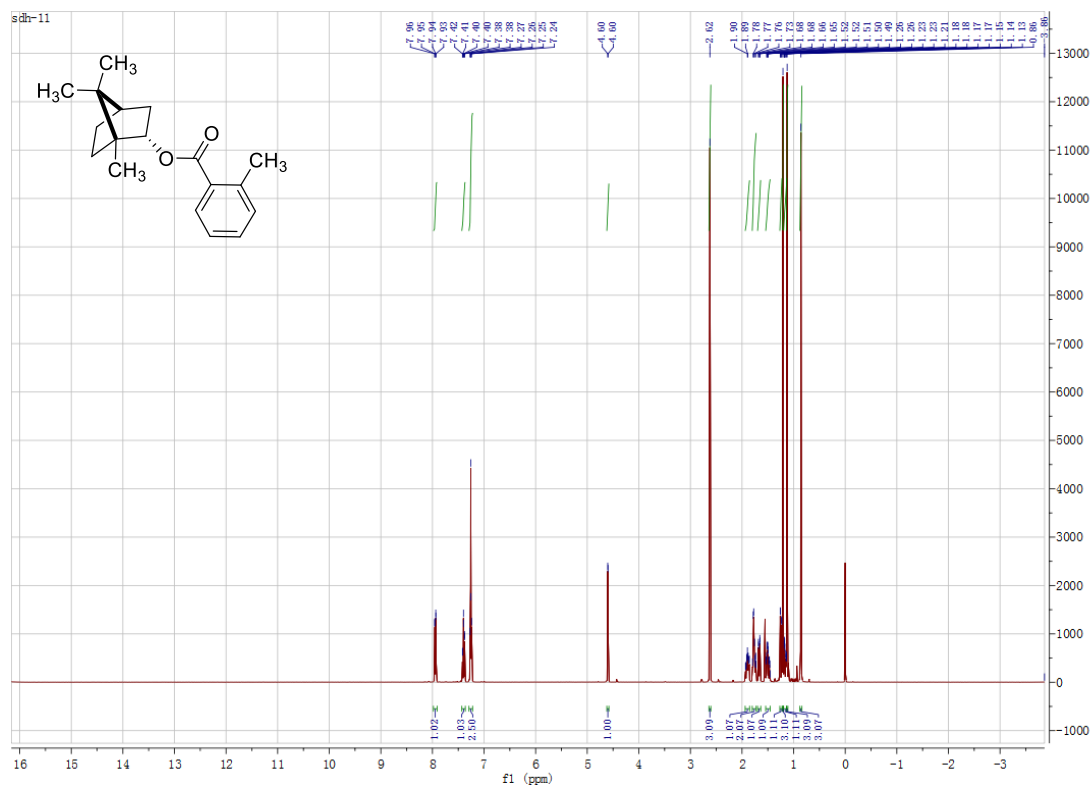


Figure 4 ^1H -NMR of 3b

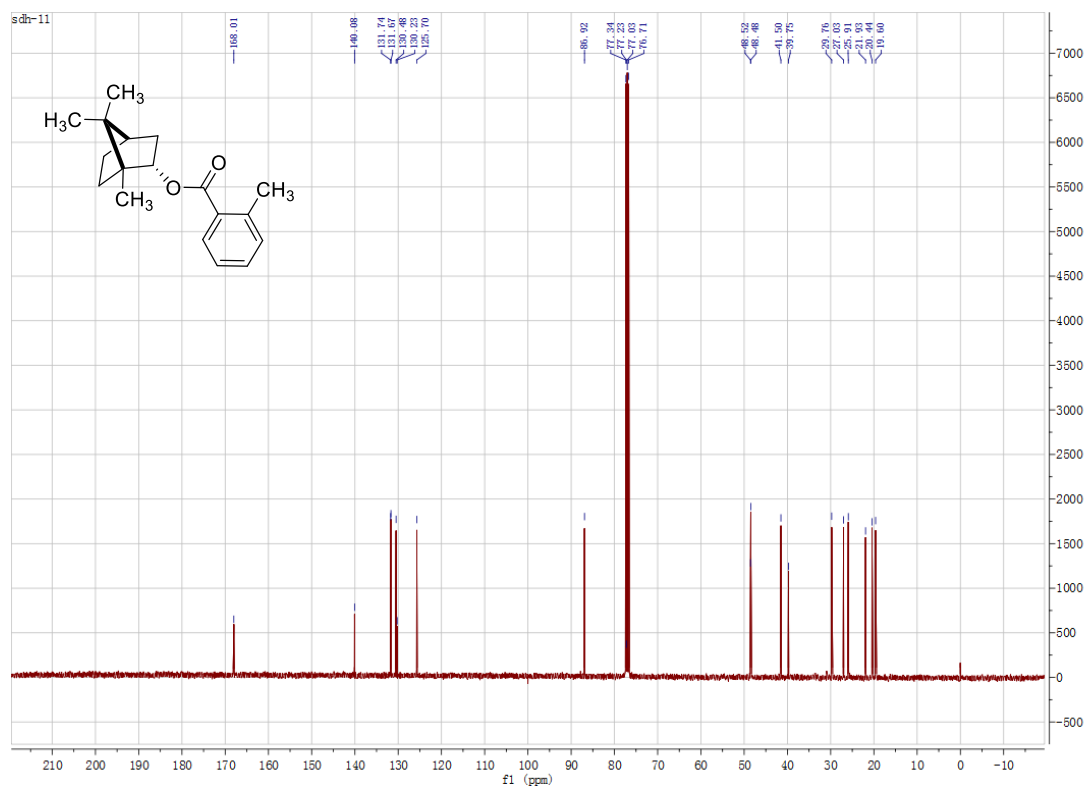


Figure 5 ^{13}C -NMR of **3b**

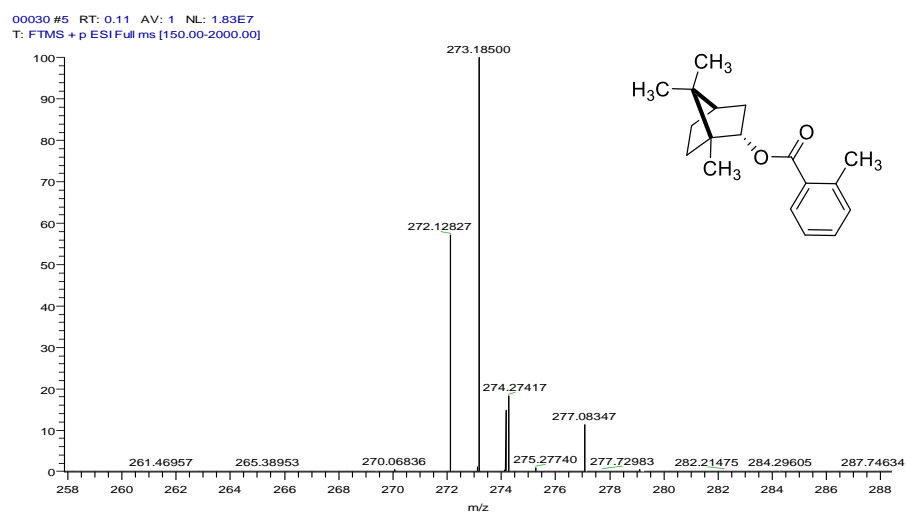


Figure 6 HRMS of **3b**

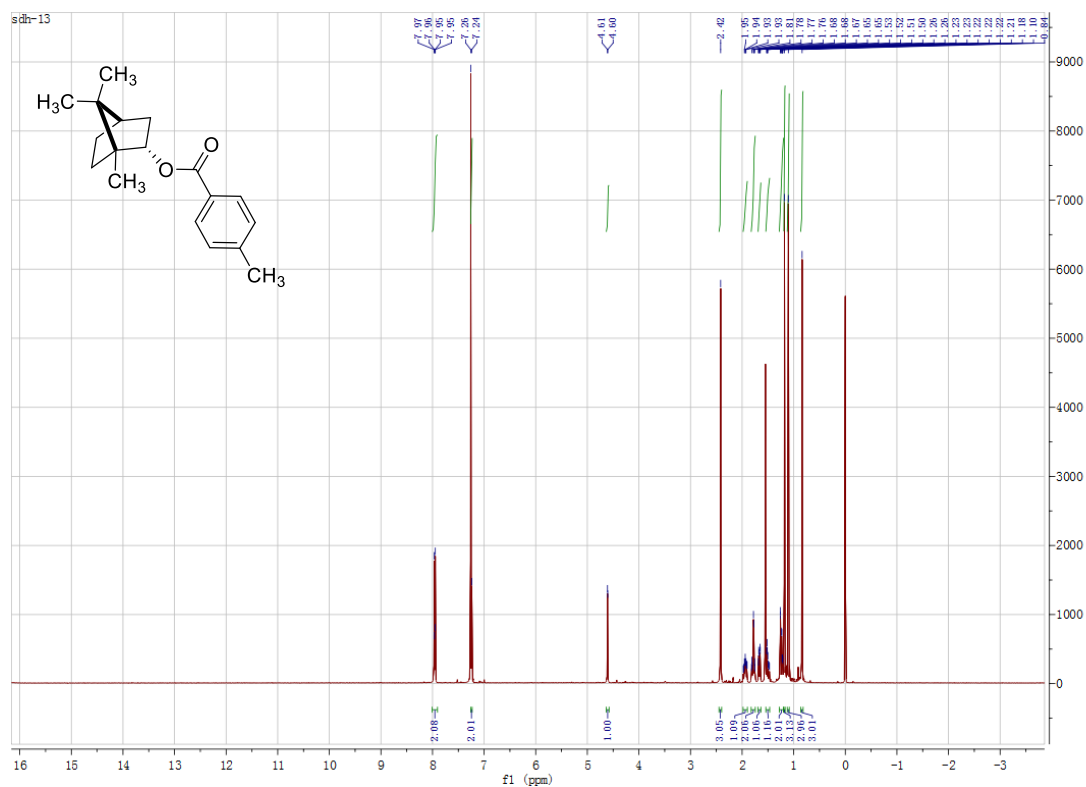


Figure 7 ¹H-NMR of **3c**

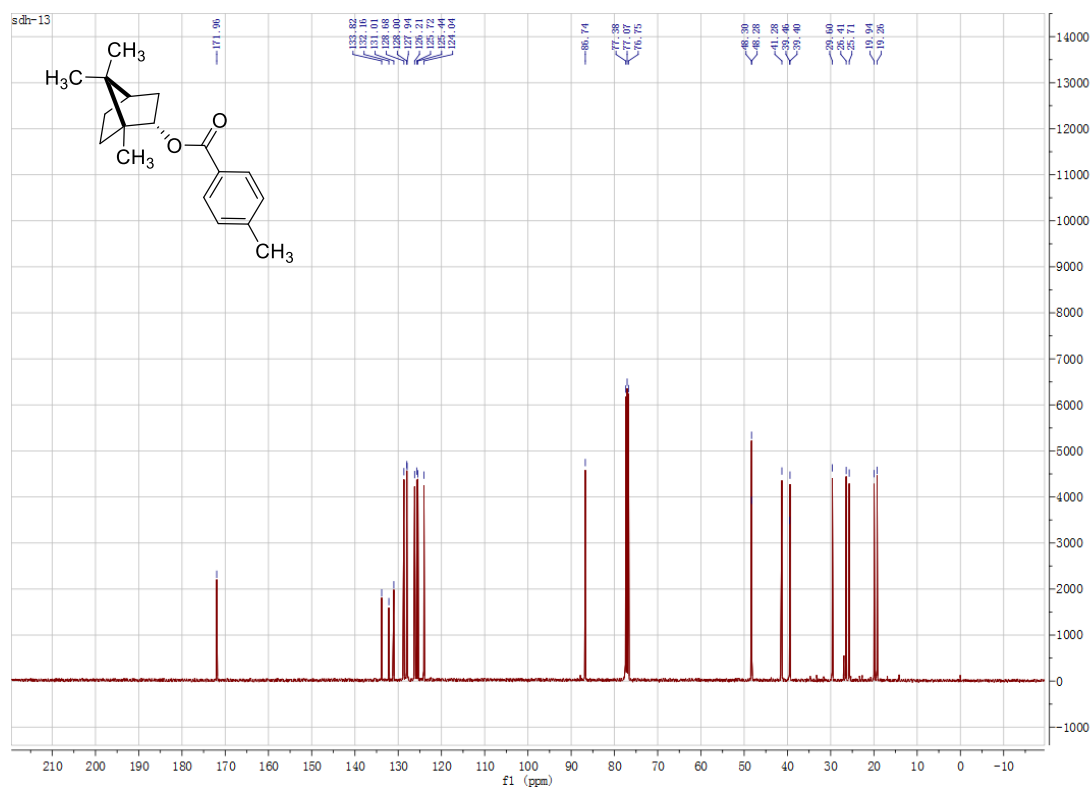


Figure 3 ¹³C-NMR of **3c**

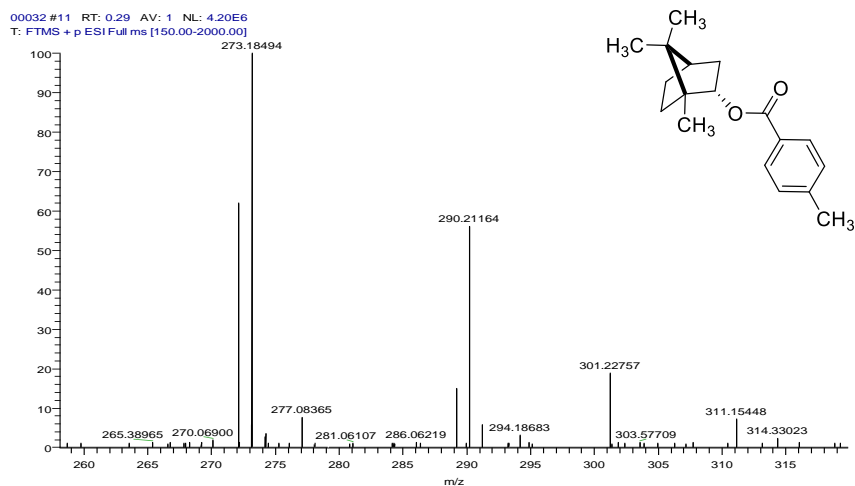


Figure 9 HRMS of **3c**

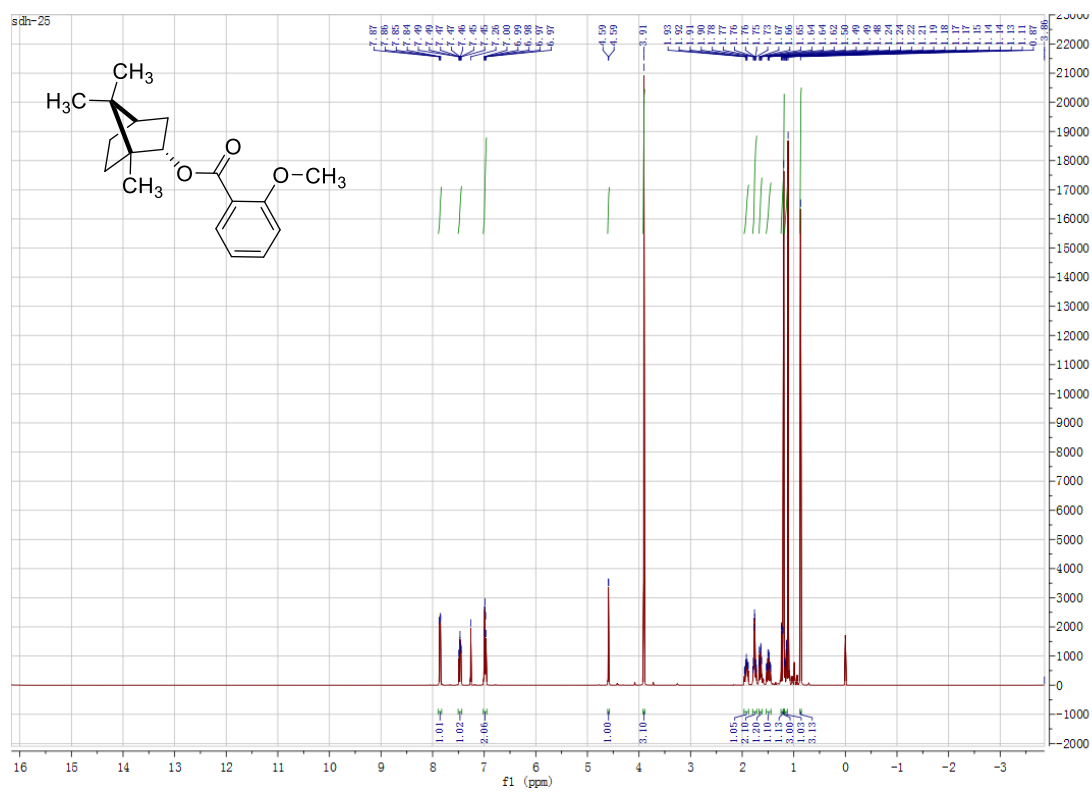


Figure 10 ^1H -NMR of **3d**

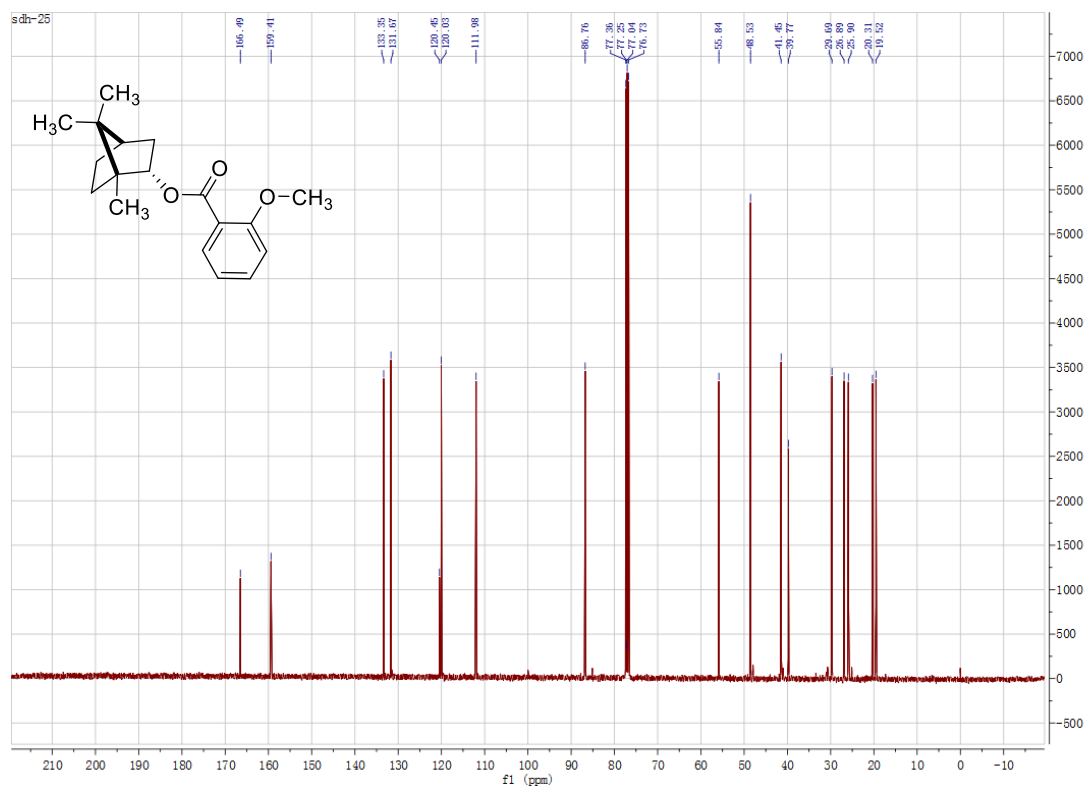


Figure 11 ^{13}C -NMR of 3d

00037 #22 RT: 0.62 AV: 1 NL: 8.02E5
T: FTMS + p ESI Full ms [150.00-2000.00]

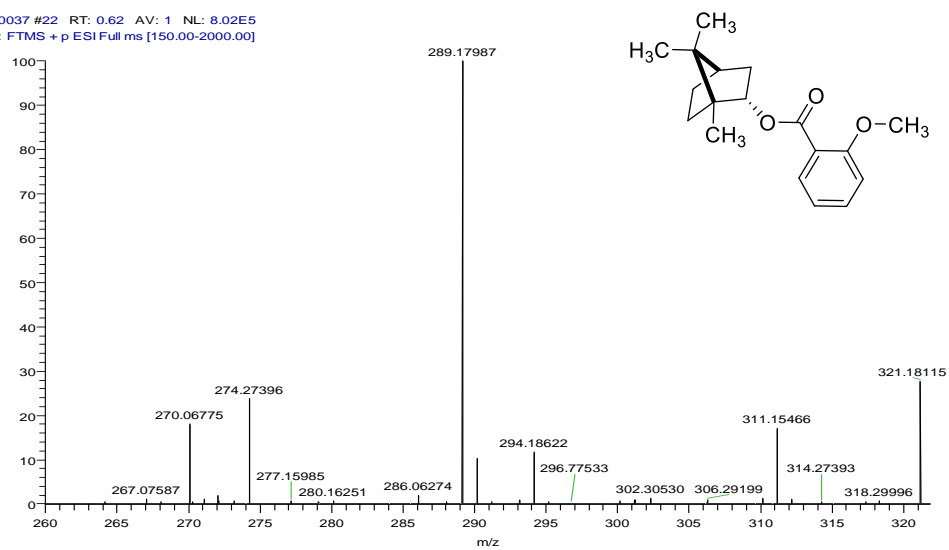
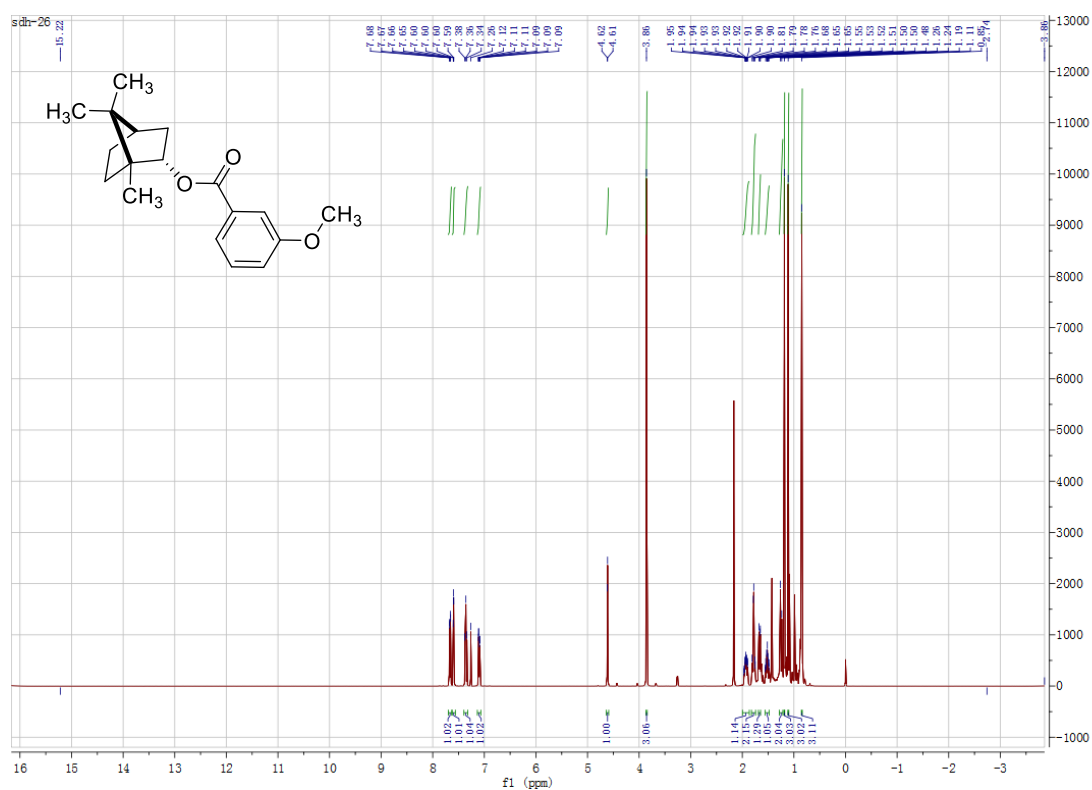


Figure 12 HRMS of 3d



00038 #45 RT: 1.31 AV: 1 NL: 9.06E5
T: FTMS + p ESI Full ms [150.00-2000.00]

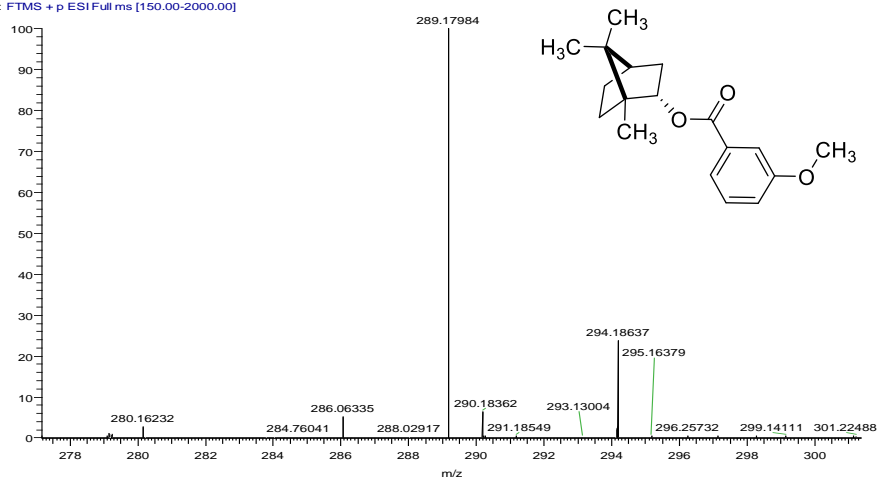


Figure 15 HRMS of 3e

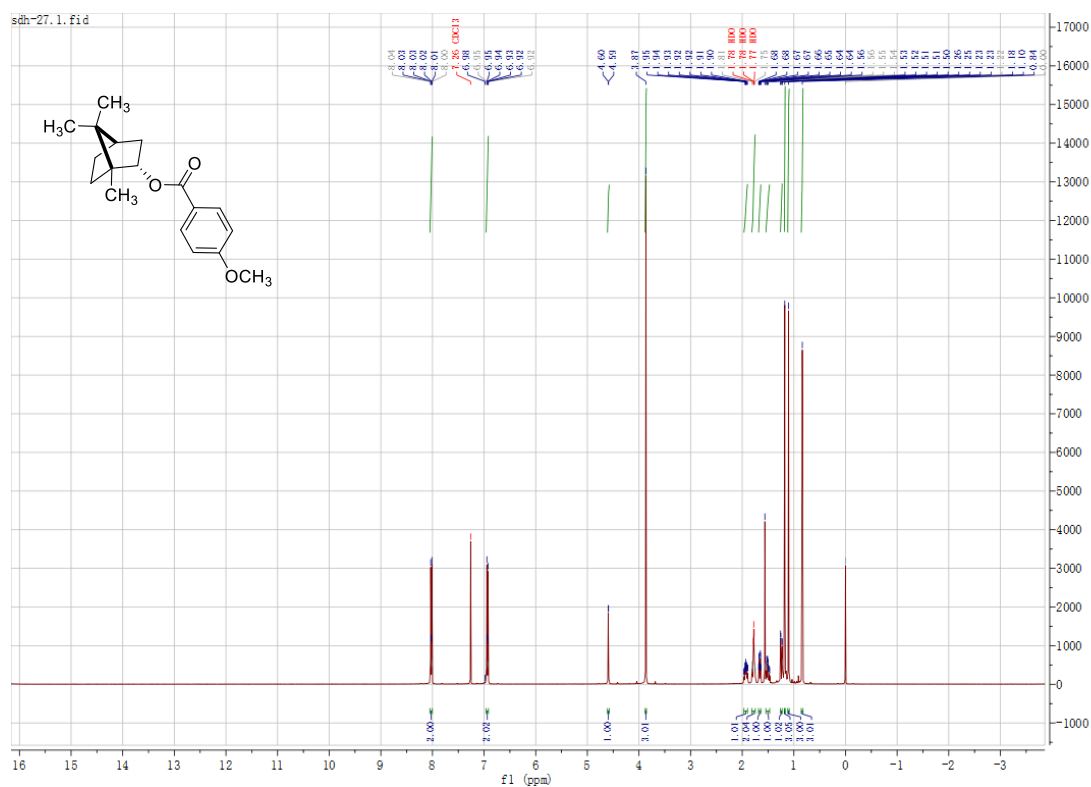


Figure 16 ¹H-NMR of 3f

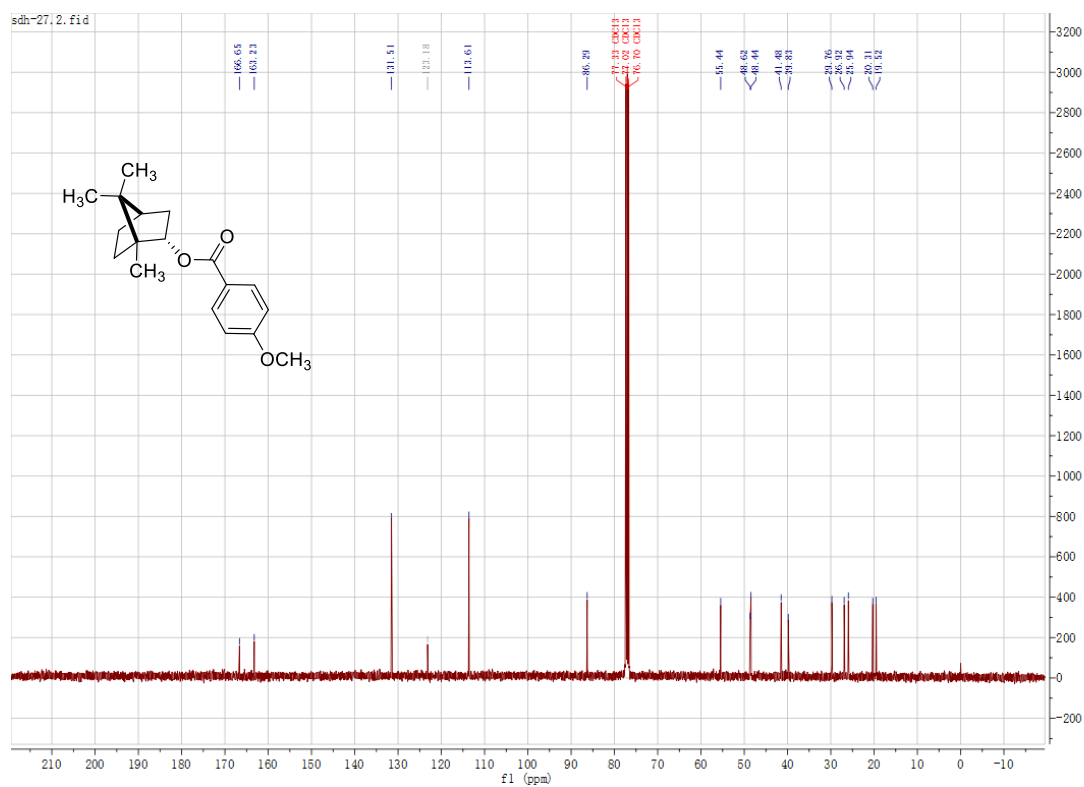


Figure 17 ¹³C-NMR of 3f

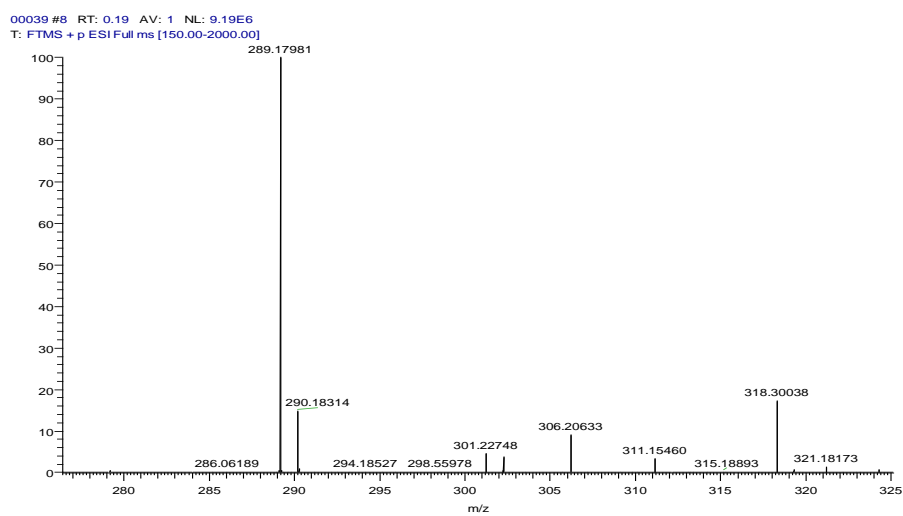


Figure 13 HRMS of 3f

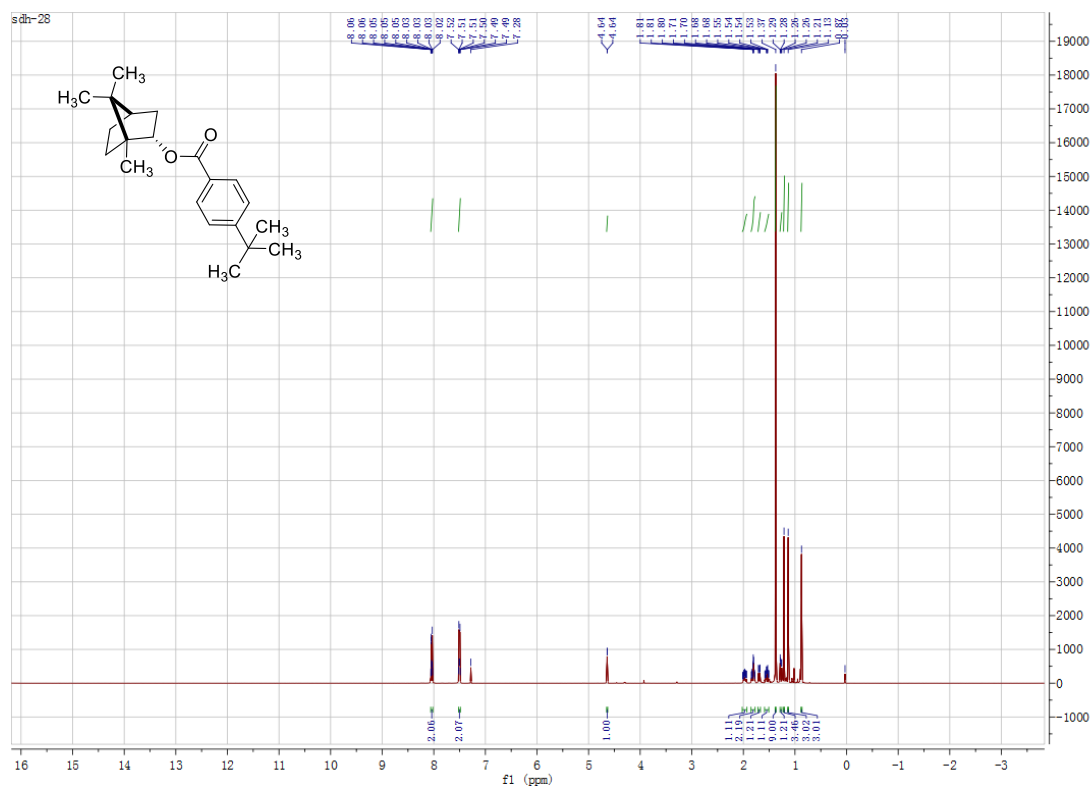


Figure 19 ¹H-NMR of **3g**

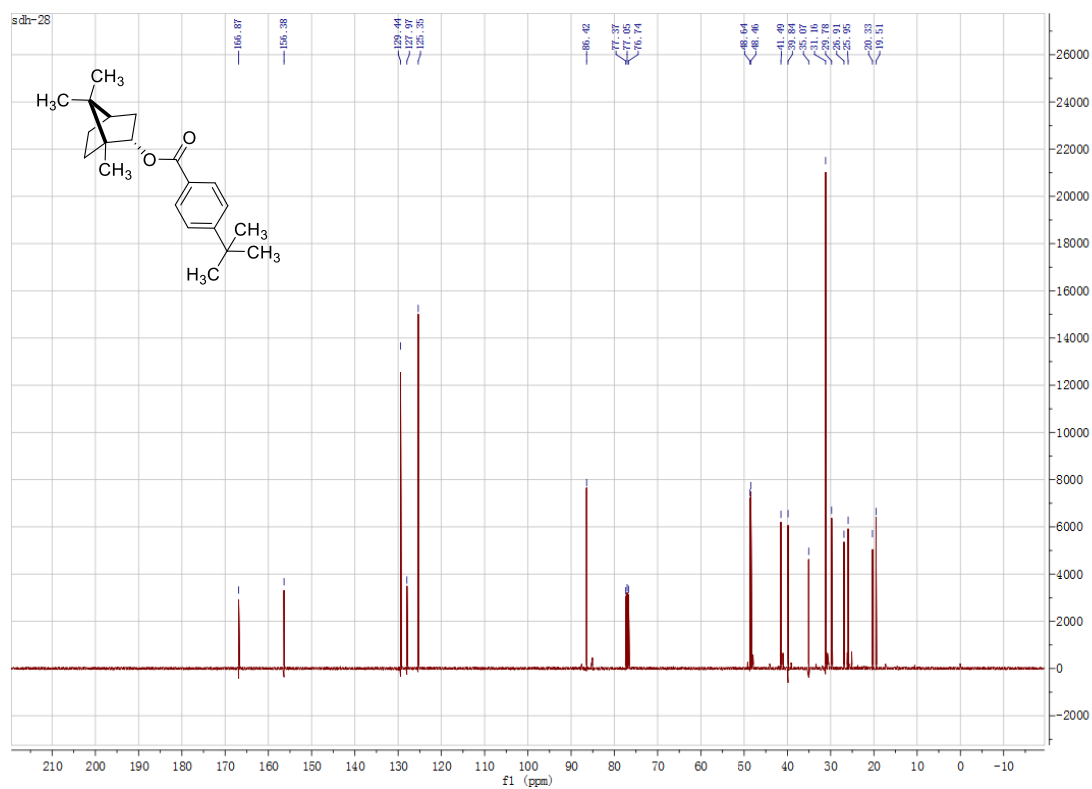


Figure 20 ¹³C-NMR of **3g**

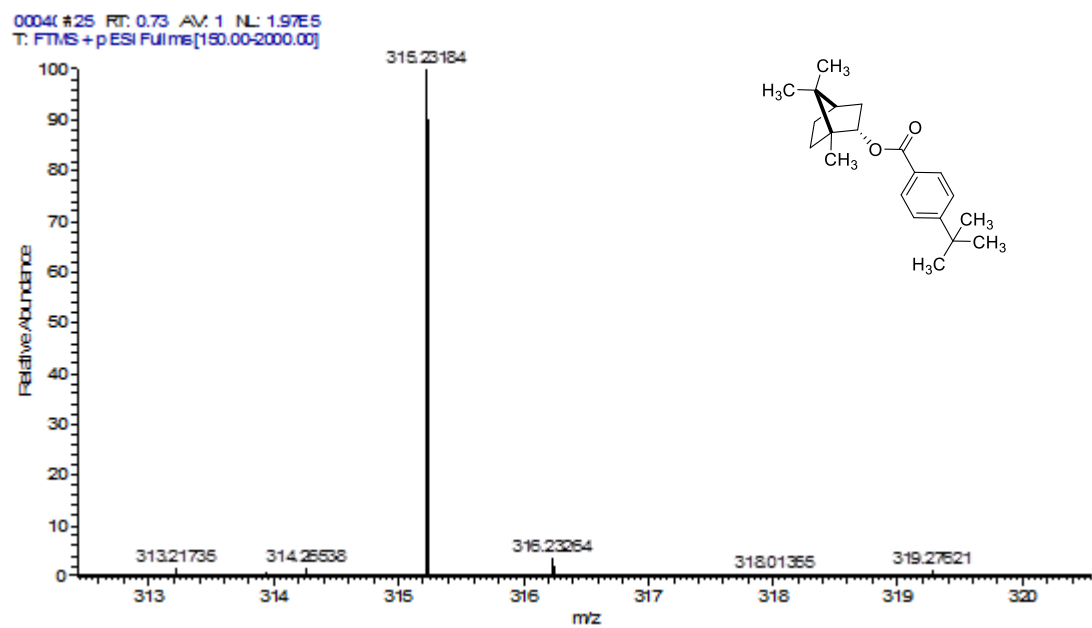


Figure 21 HRMS of **3g**

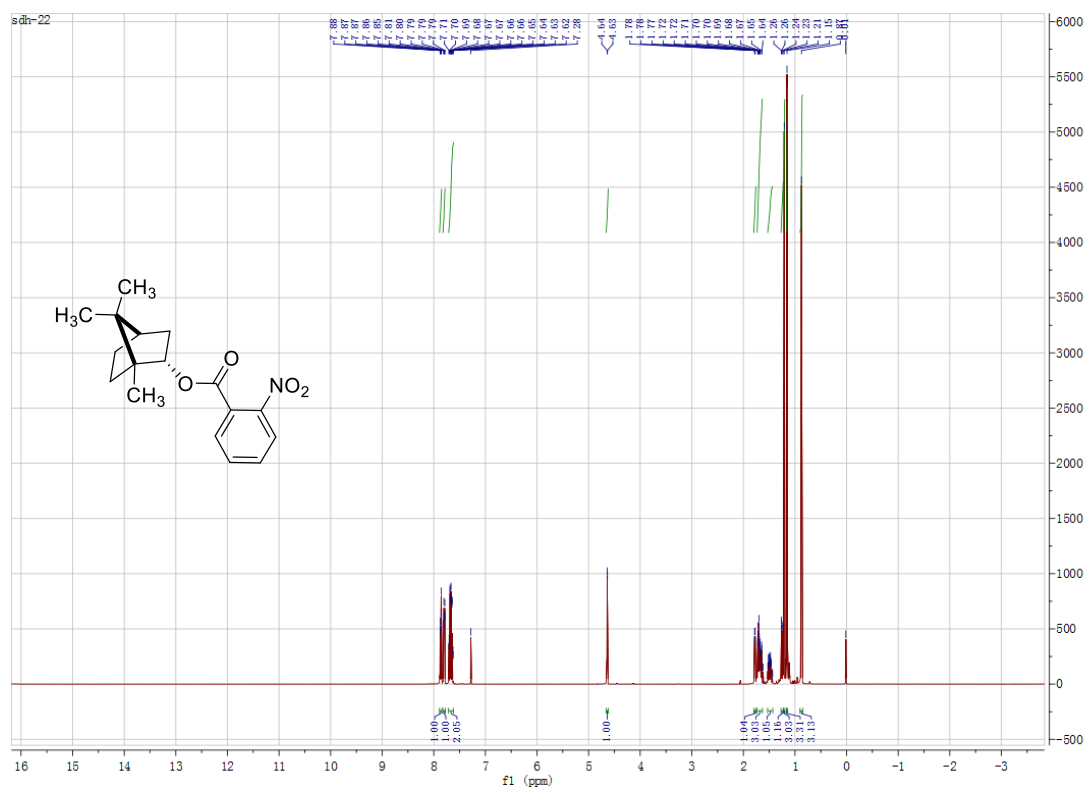


Figure 22 ^1H -NMR of **3h**

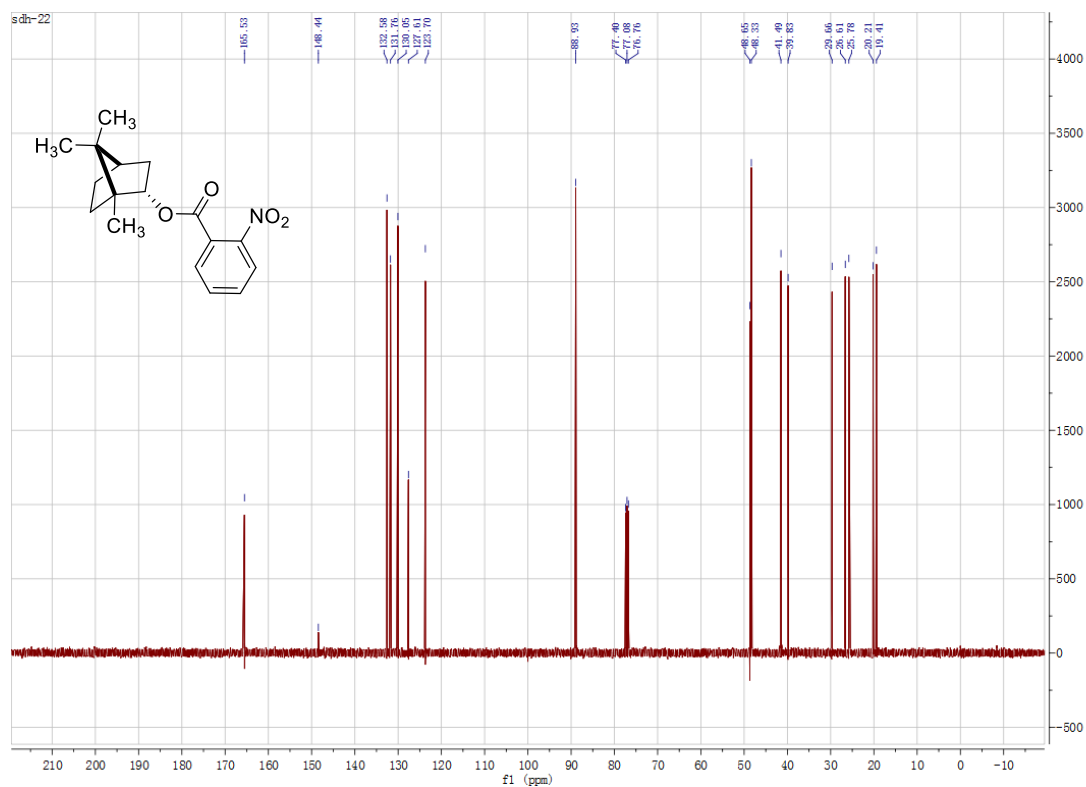


Figure 23 ^{13}C -NMR of **3h**

00020 #16 RT: 0.43 AV: 1 NL: 3.65E4
T: FTMS + p ESI Full ms [150.00-2000.00]

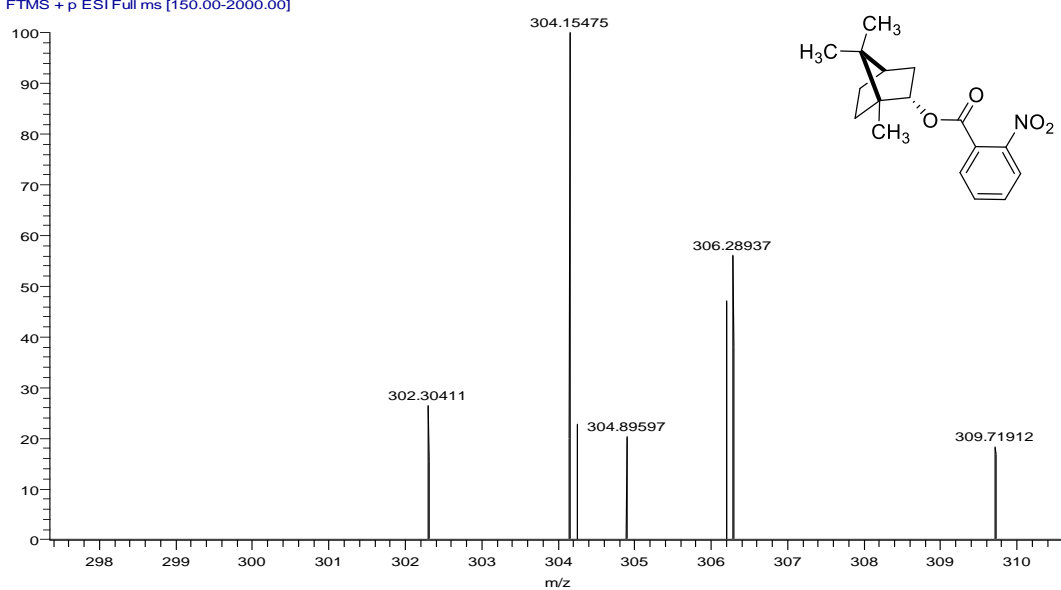


Figure 24 HRMS of **3h**

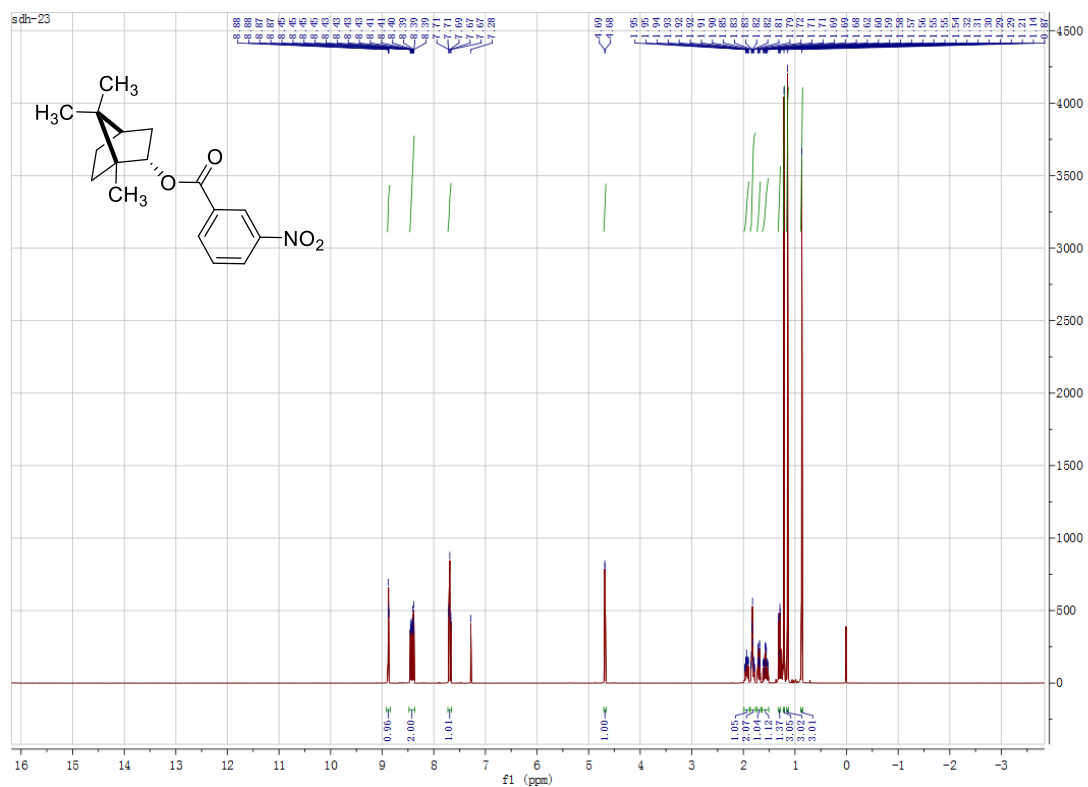


Figure 25 ^1H -NMR of **3i**

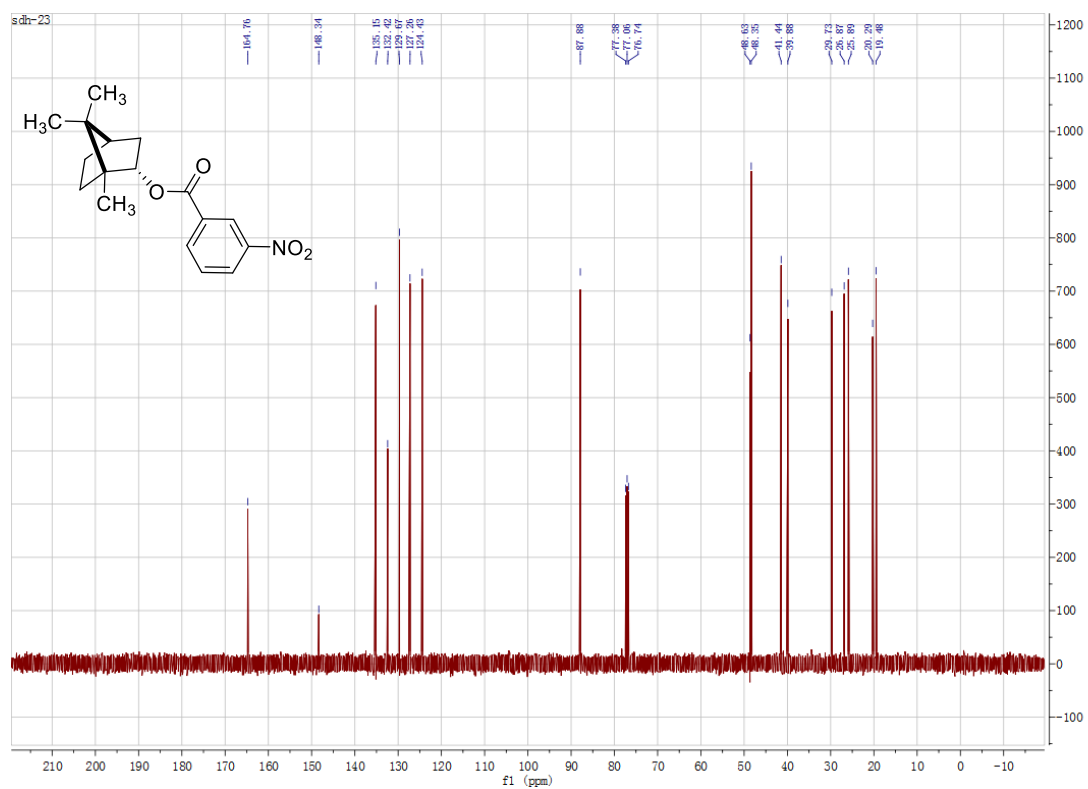


Figure 26 ^{13}C -NMR of **3i**

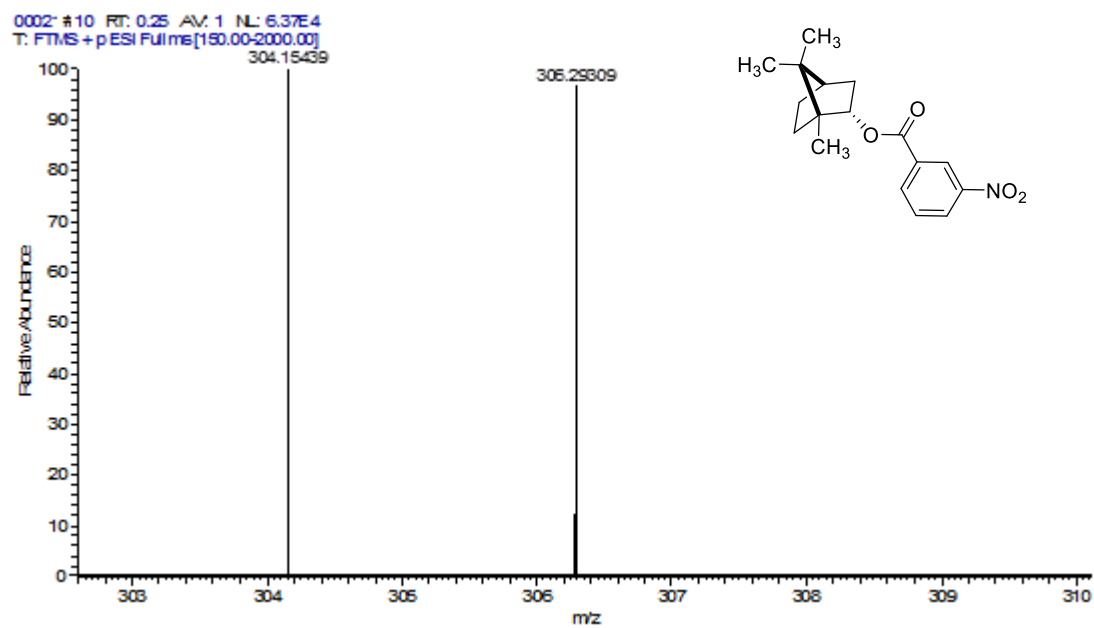


Figure 27 HRMS of 3i

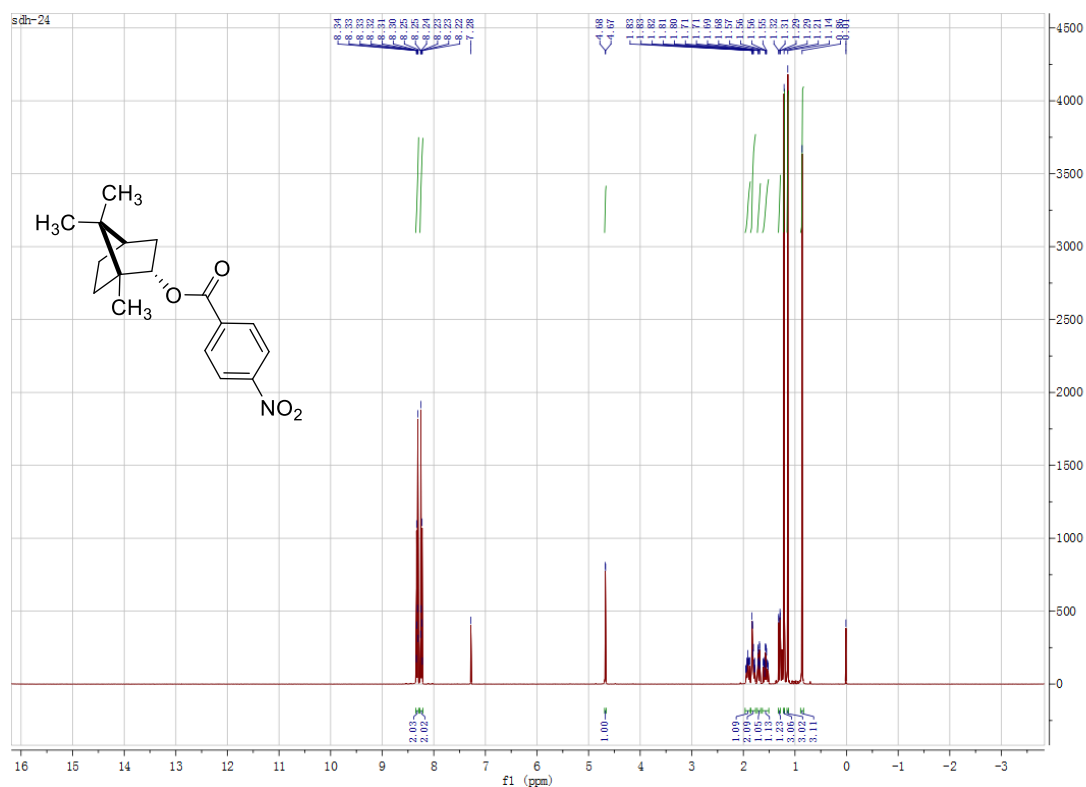


Figure 23 ¹H-NMR of 3j

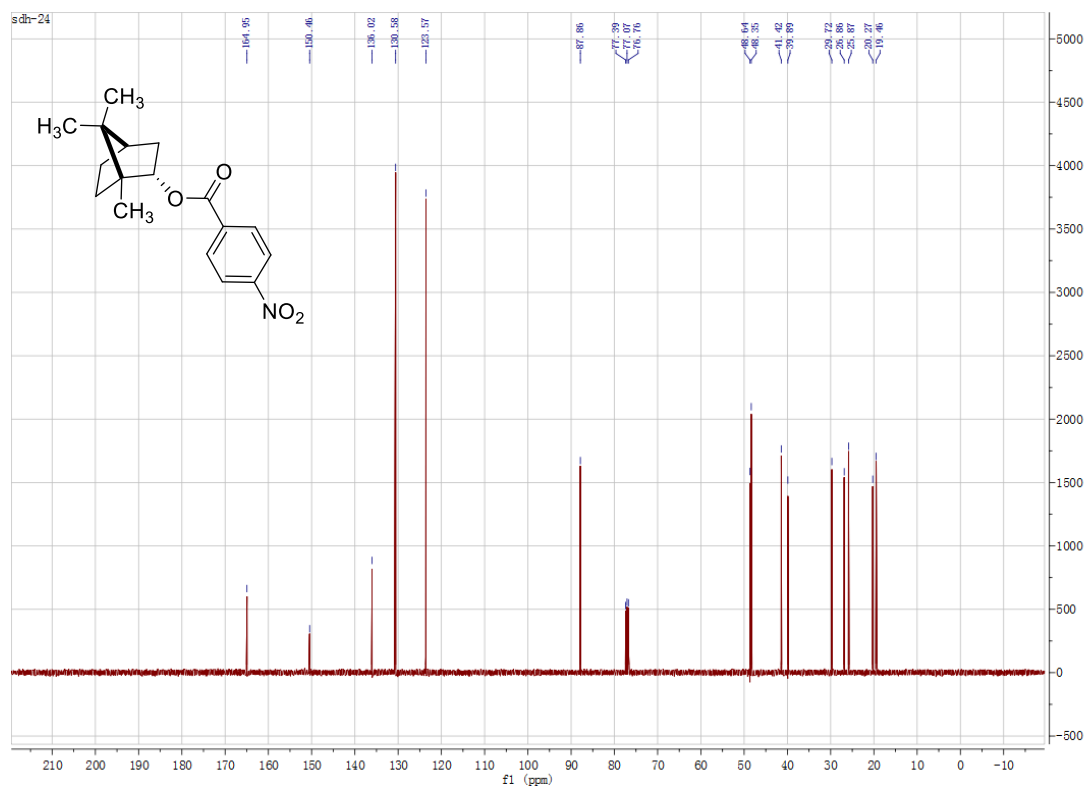


Figure 29 ^{13}C -NMR of **3j**

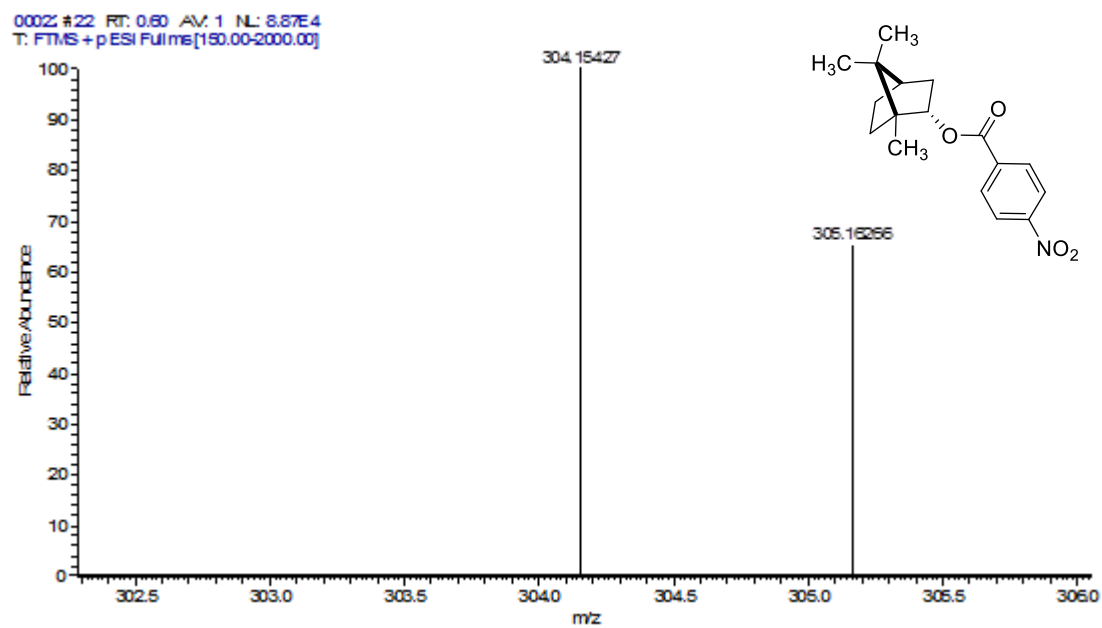


Figure 30 HRMS of **3j**

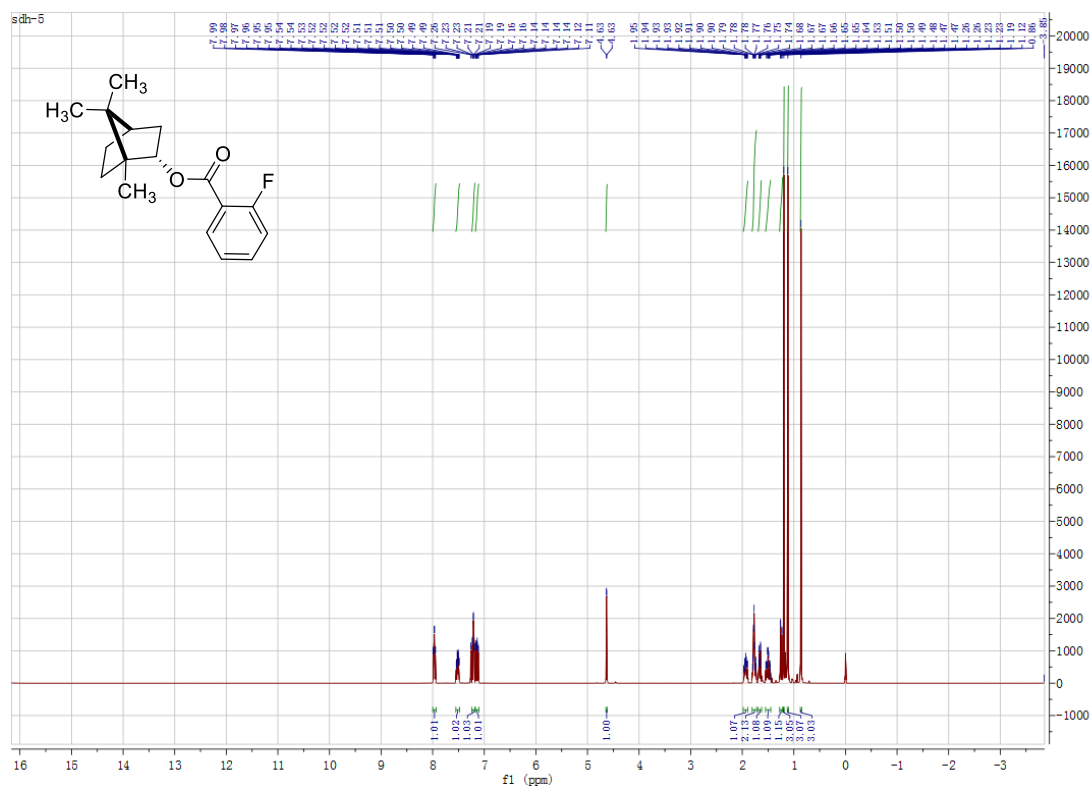


Figure 31 ¹H-NMR of 3k

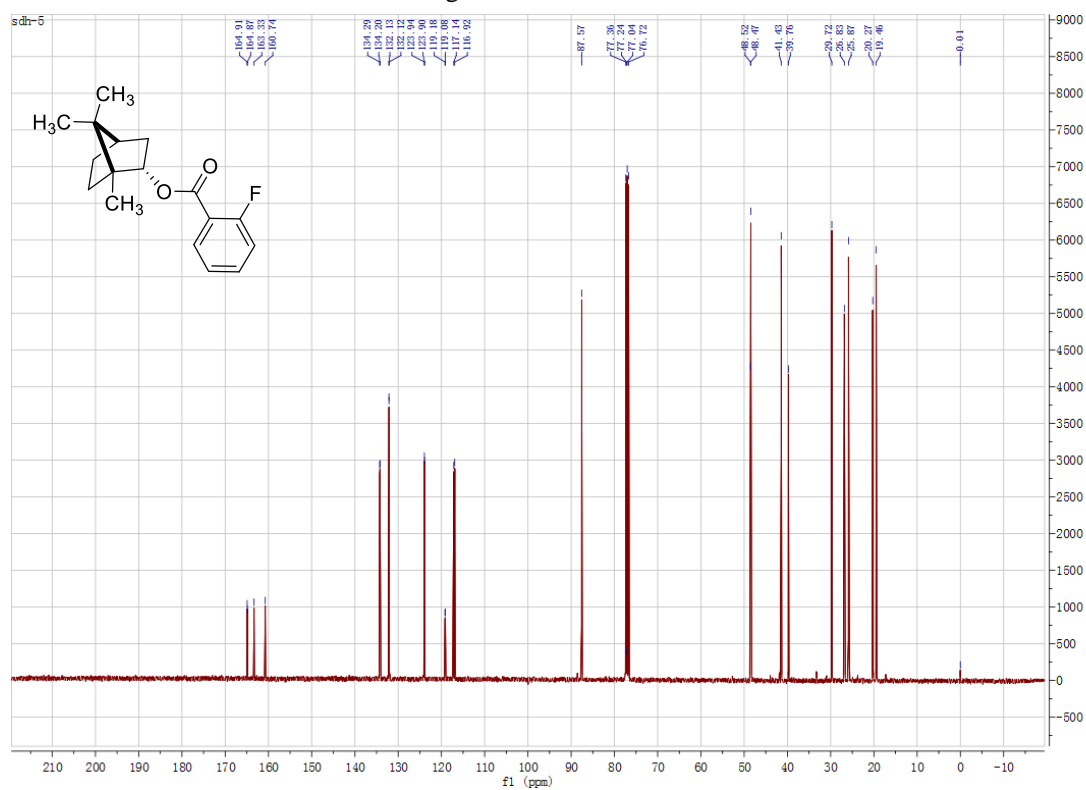


Figure 32 ¹³C-NMR of 3k

00025 #15 RT: 0.41 AV: 1 NL: 8.78E6
T: FTMS + p ESI Full ms [150.00-2000.00]

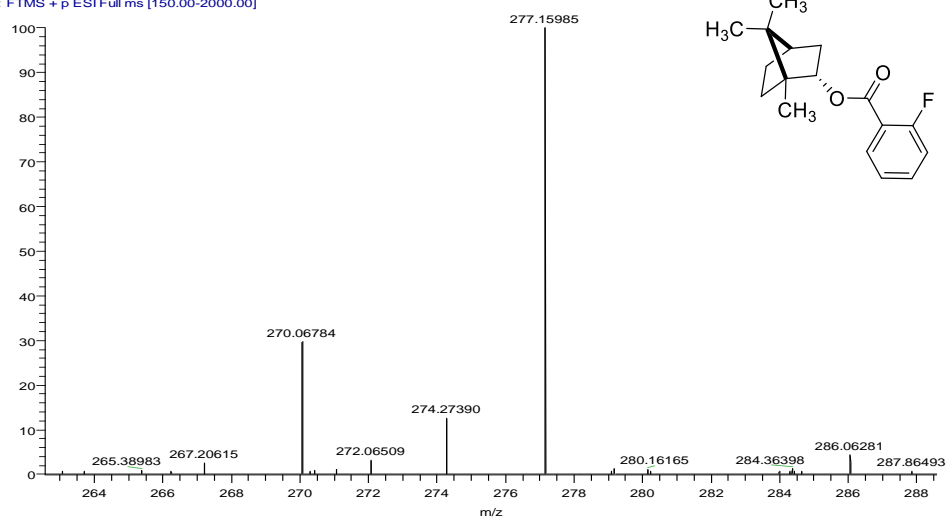


Figure 33 HRMS of 3k

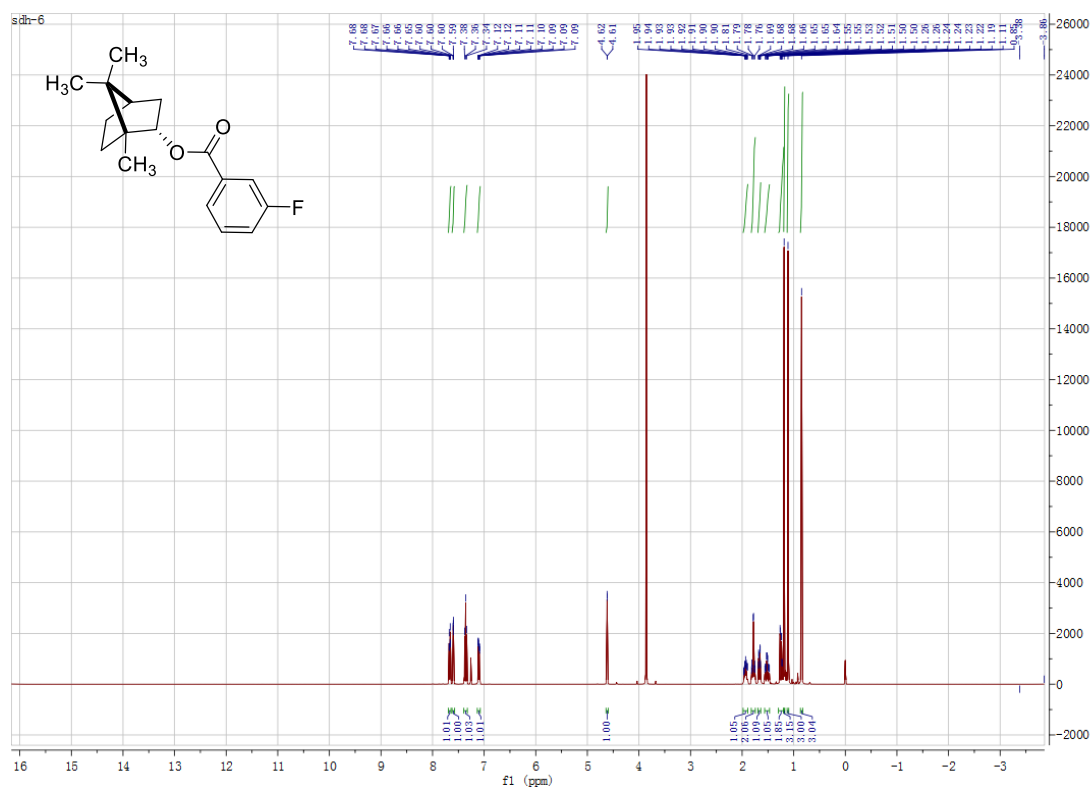


Figure 34 ¹H-NMR of 3l

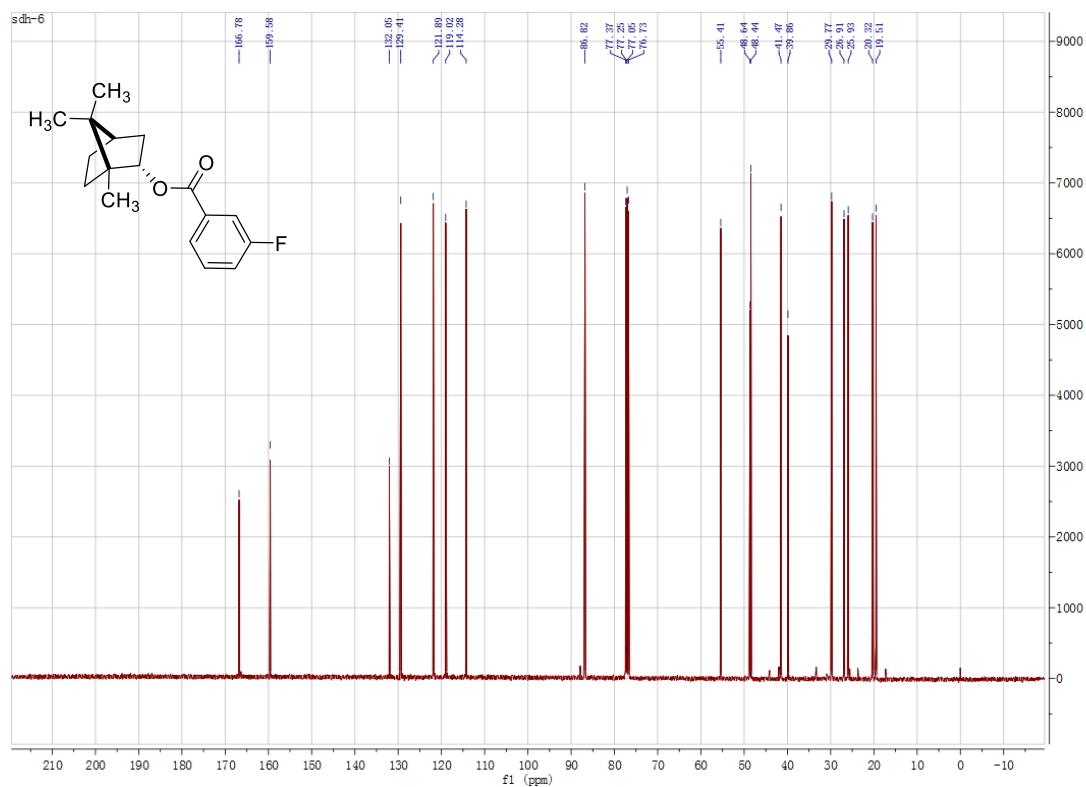


Figure 35 ^{13}C -NMR of 31

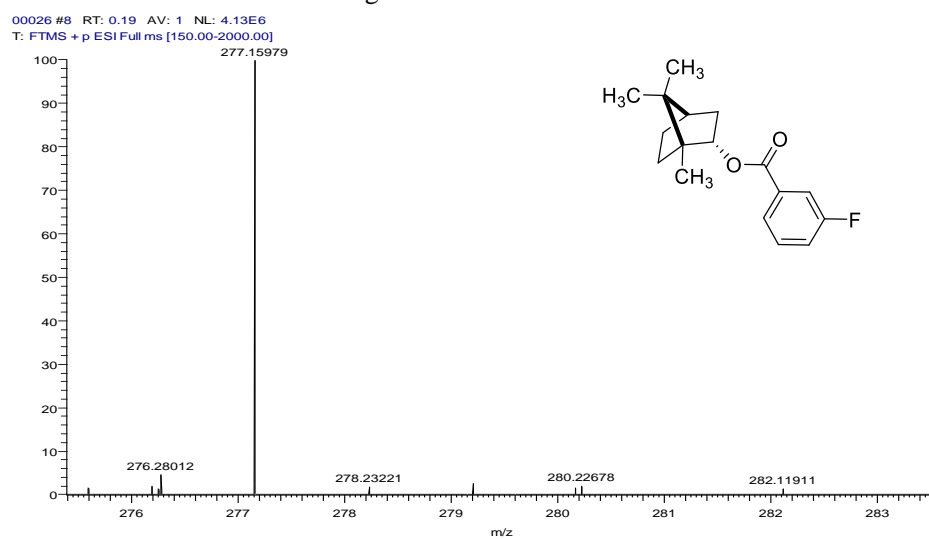


Figure 36 HRMS of 31

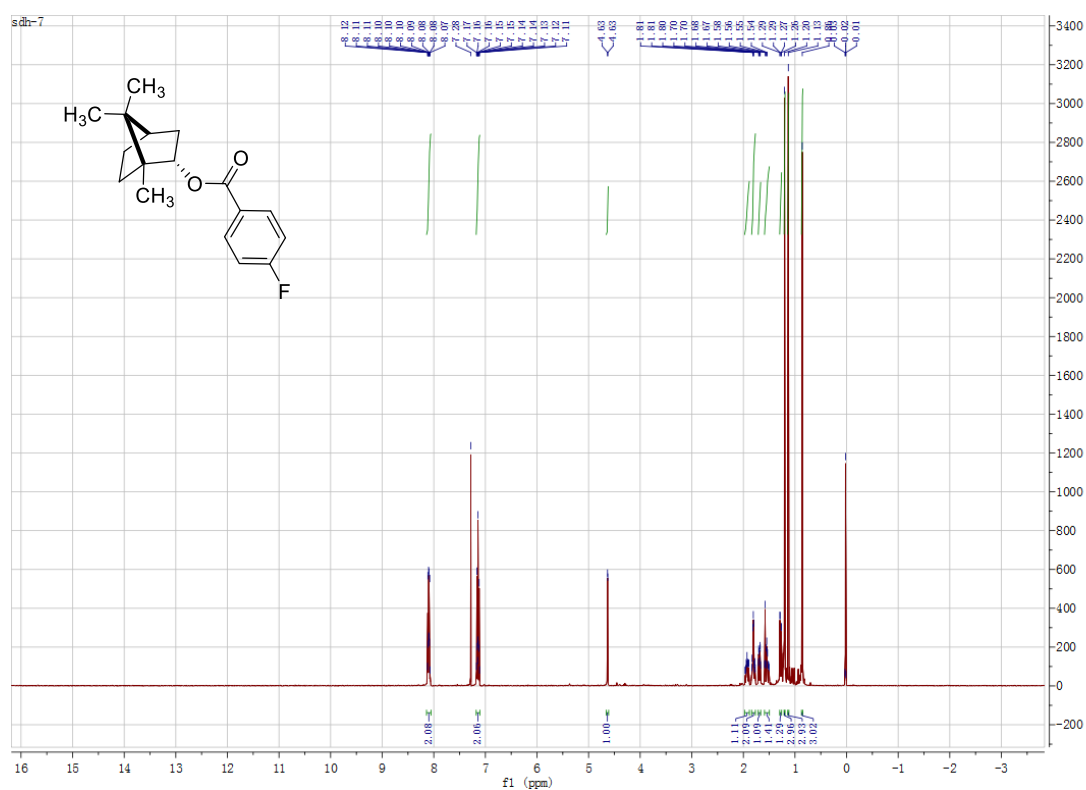


Figure 37 ^1H -NMR of **3m**

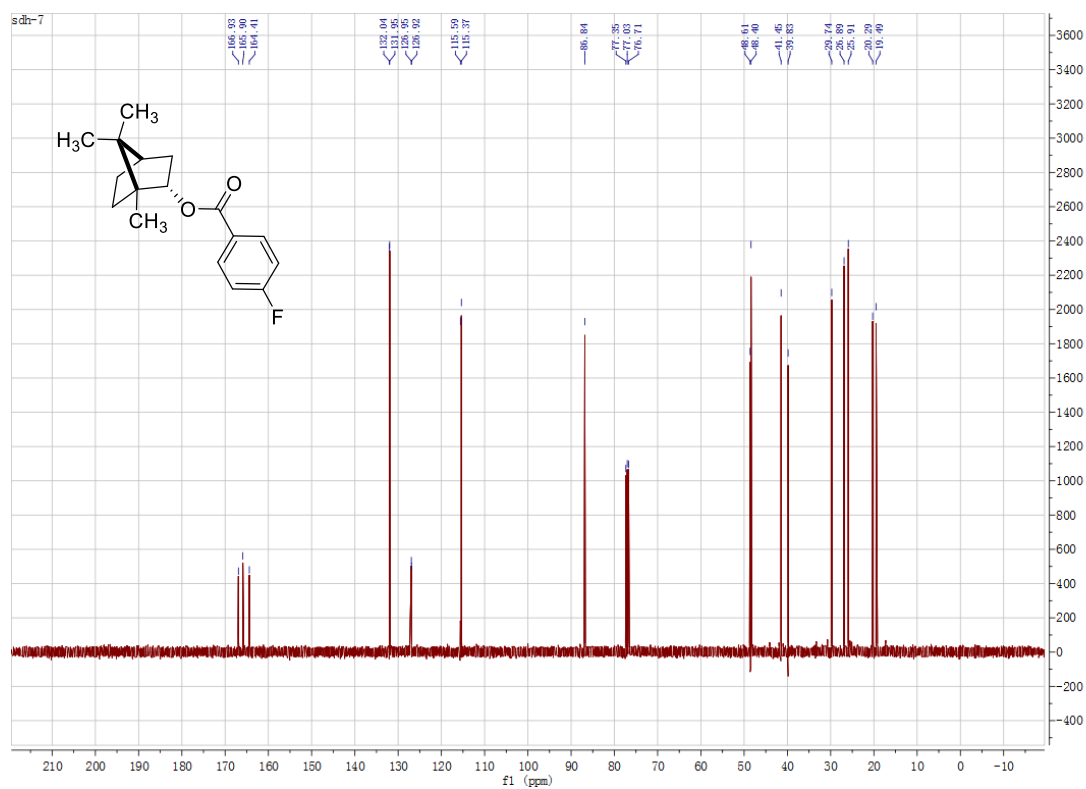


Figure 33 ^{13}C -NMR of **3m**

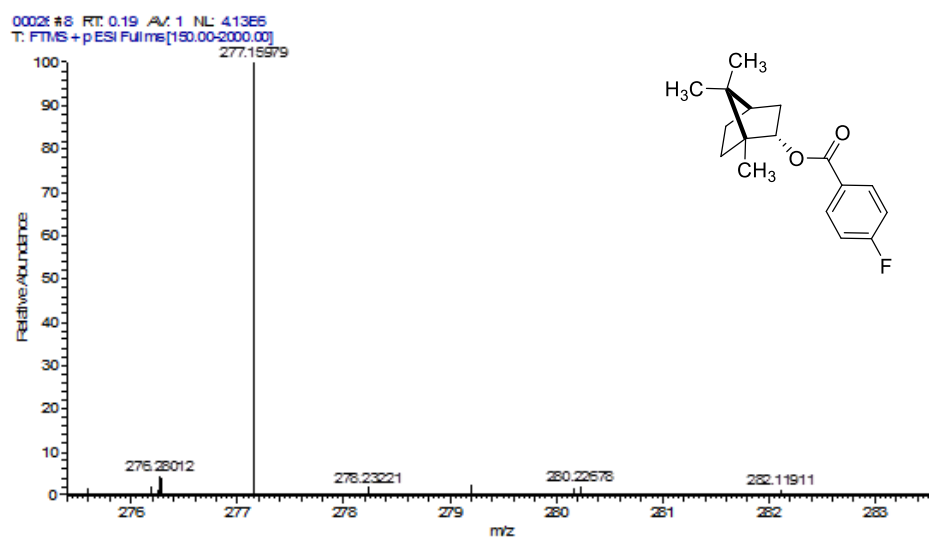


Figure 39 HRMS of **3m**

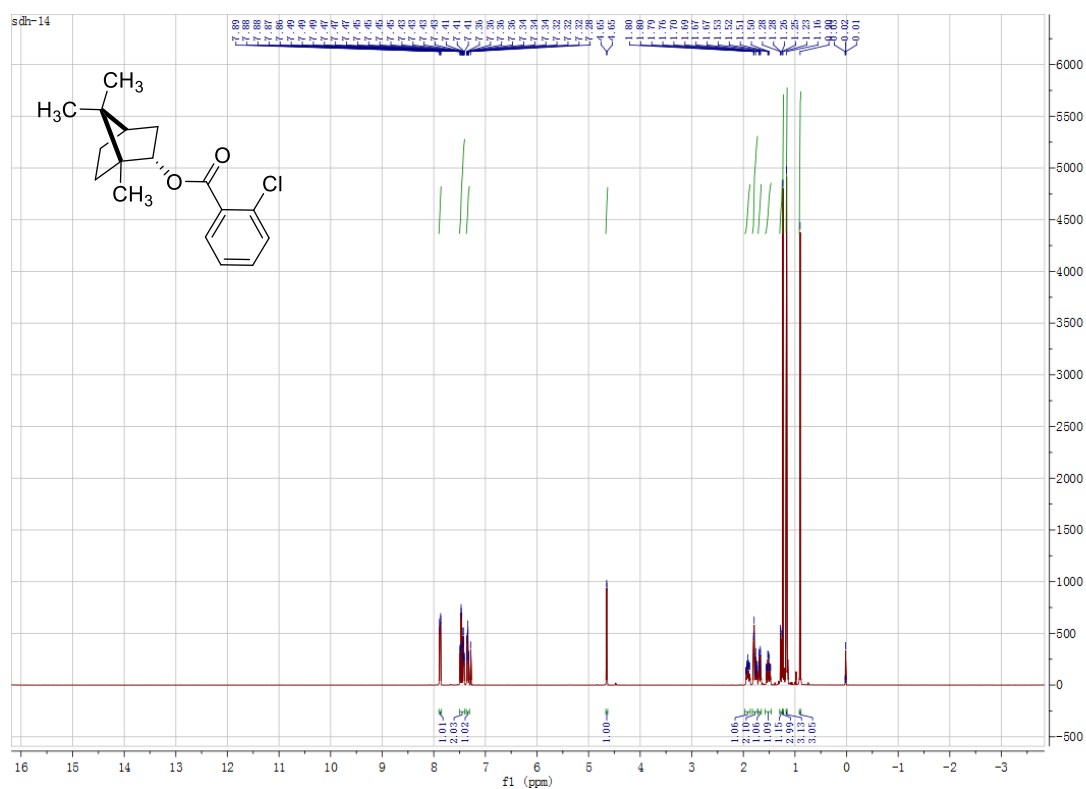


Figure 40 ^1H -NMR of **3n**

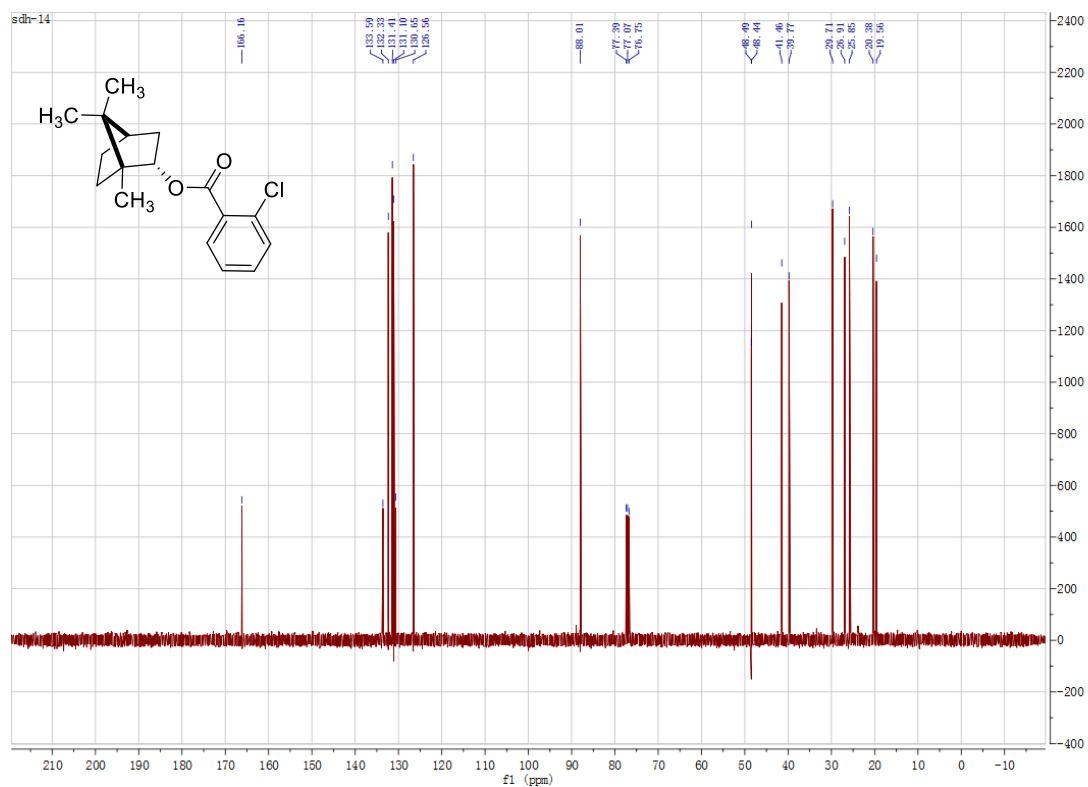


Figure 41 ^{13}C -NMR of **3n**

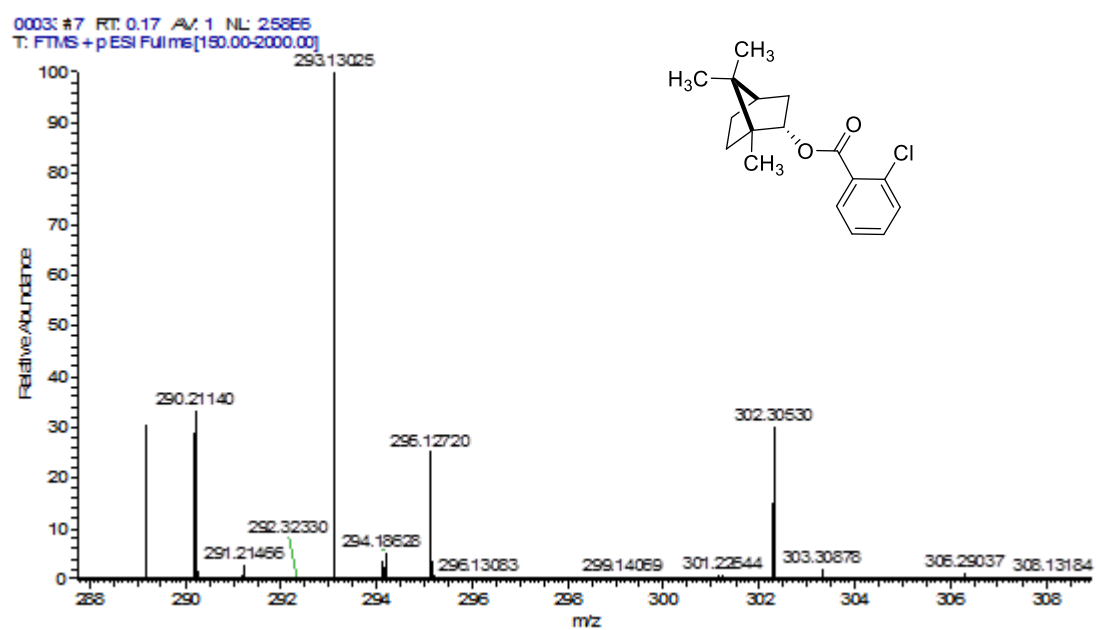


Figure 42 HRMS of **3n**

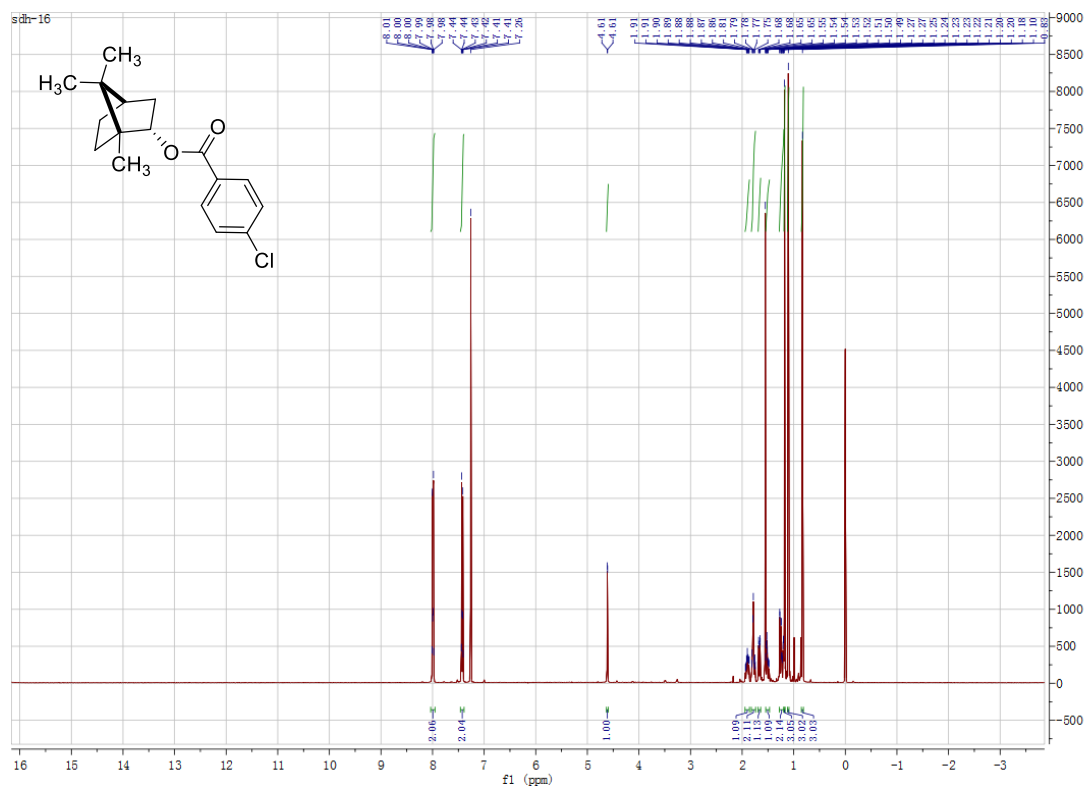


Figure 43 ¹H-NMR of **3o**

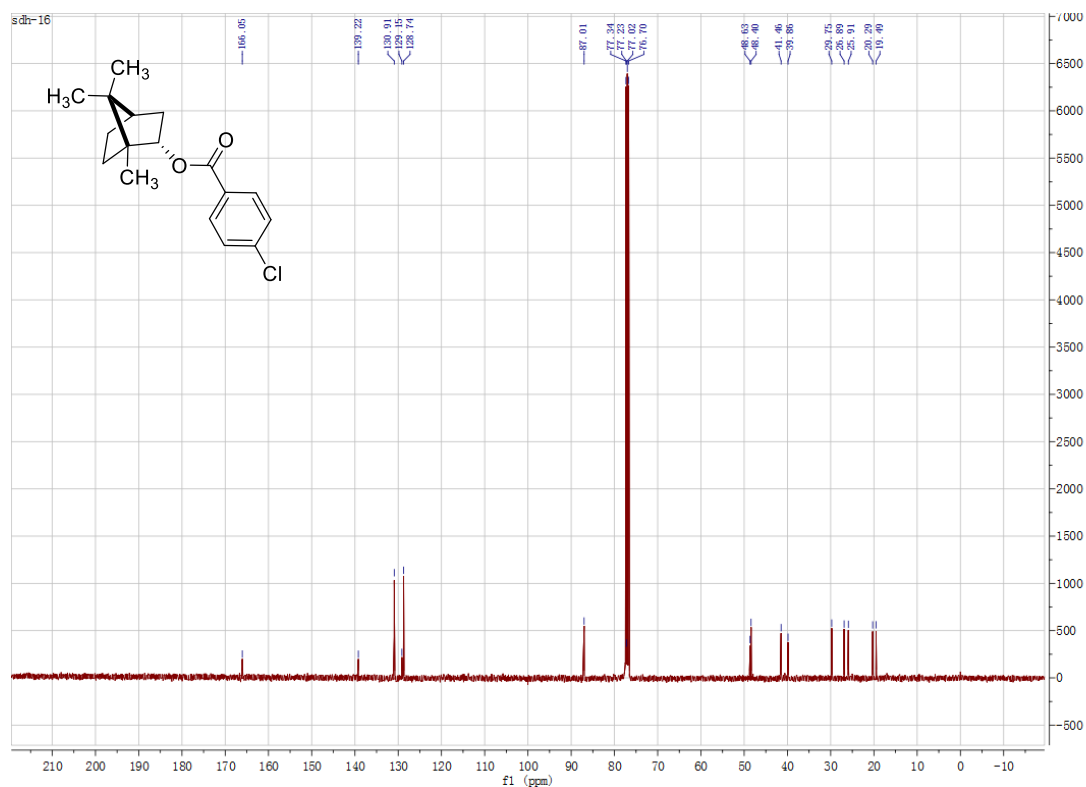
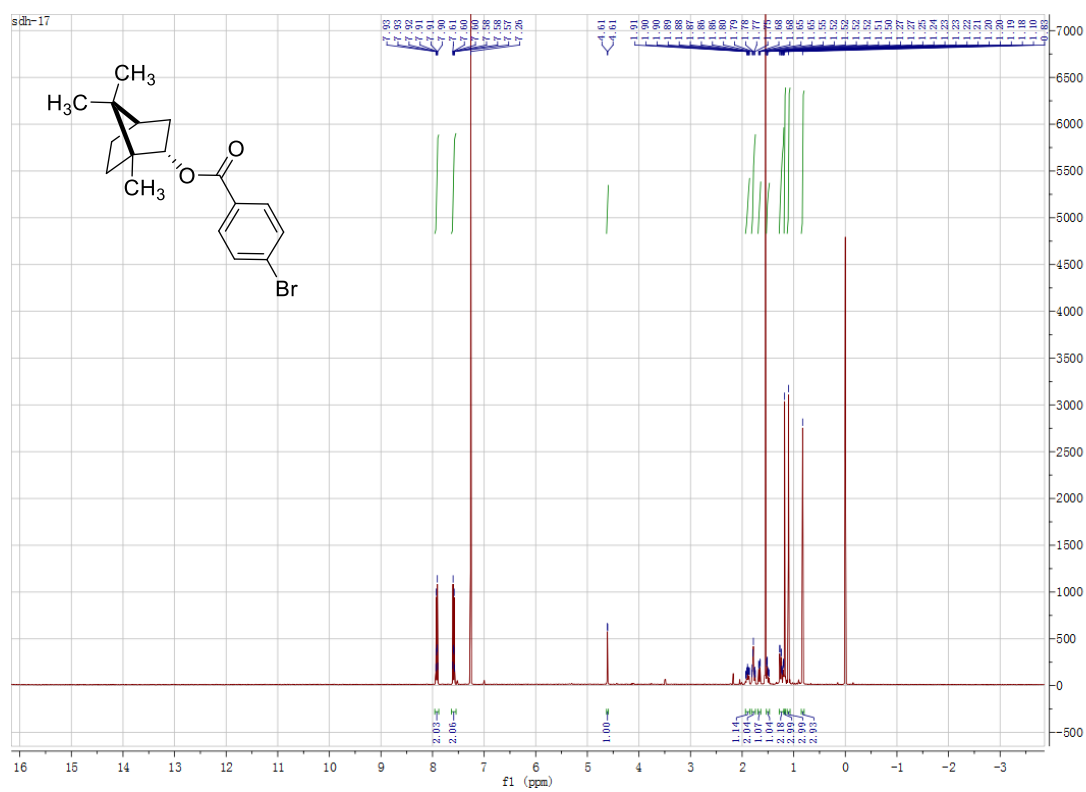
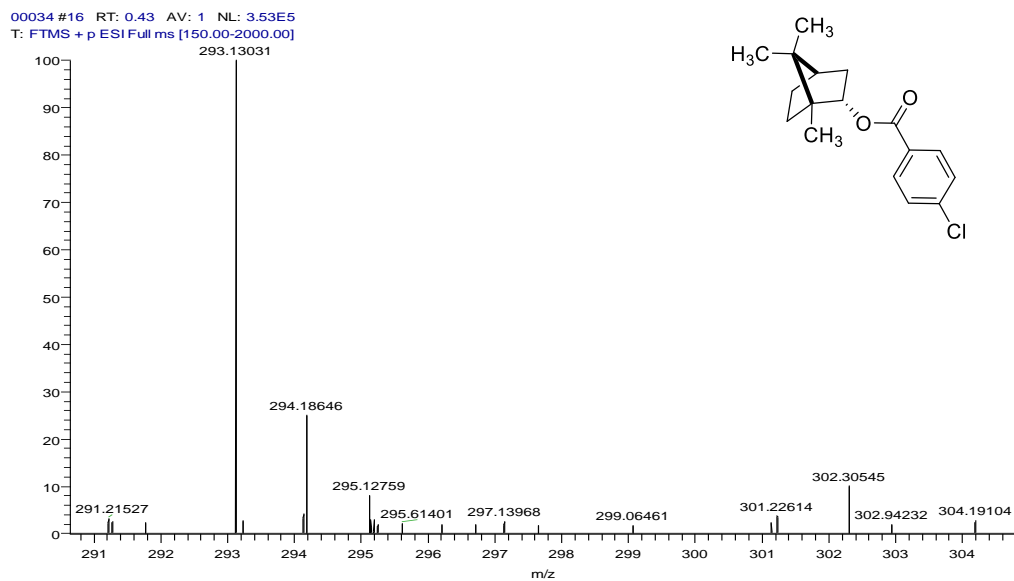


Figure 44 ¹³C-NMR of **3o**



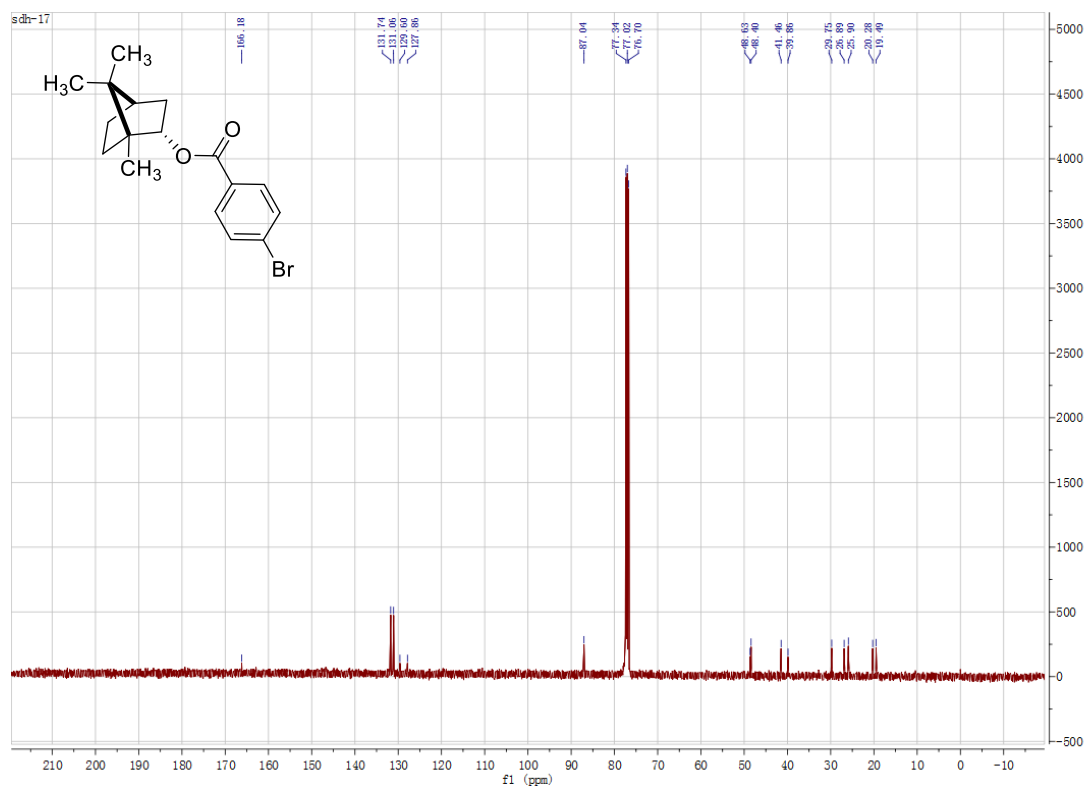


Figure 47 ^{13}C -NMR of **3p**

00035 #5 RT: 0.11 AV: 1 NL: 7.72E5
T: FTMS + p ESI Full ms [150.00-2000.00]

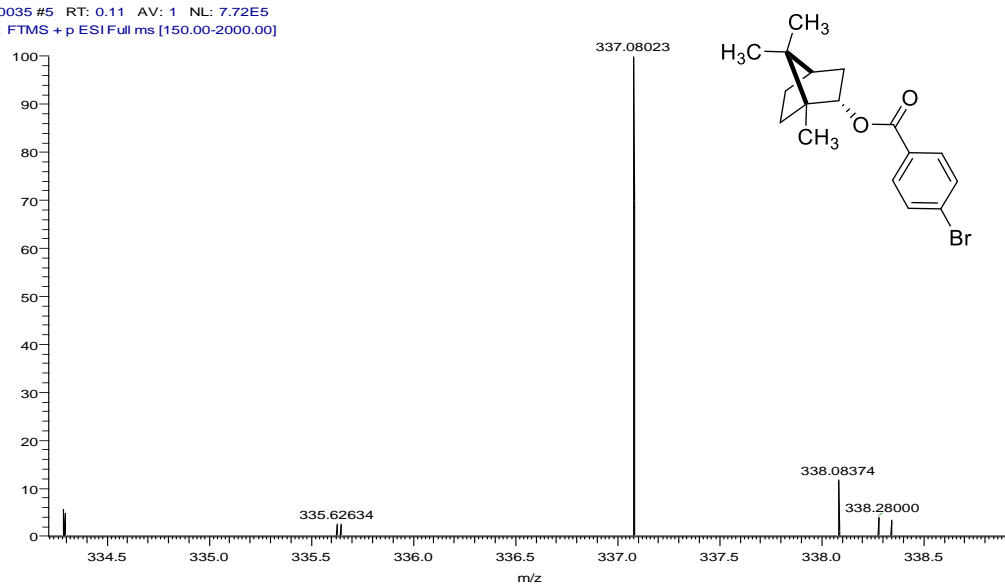


Figure 43 HRMS of **3p**

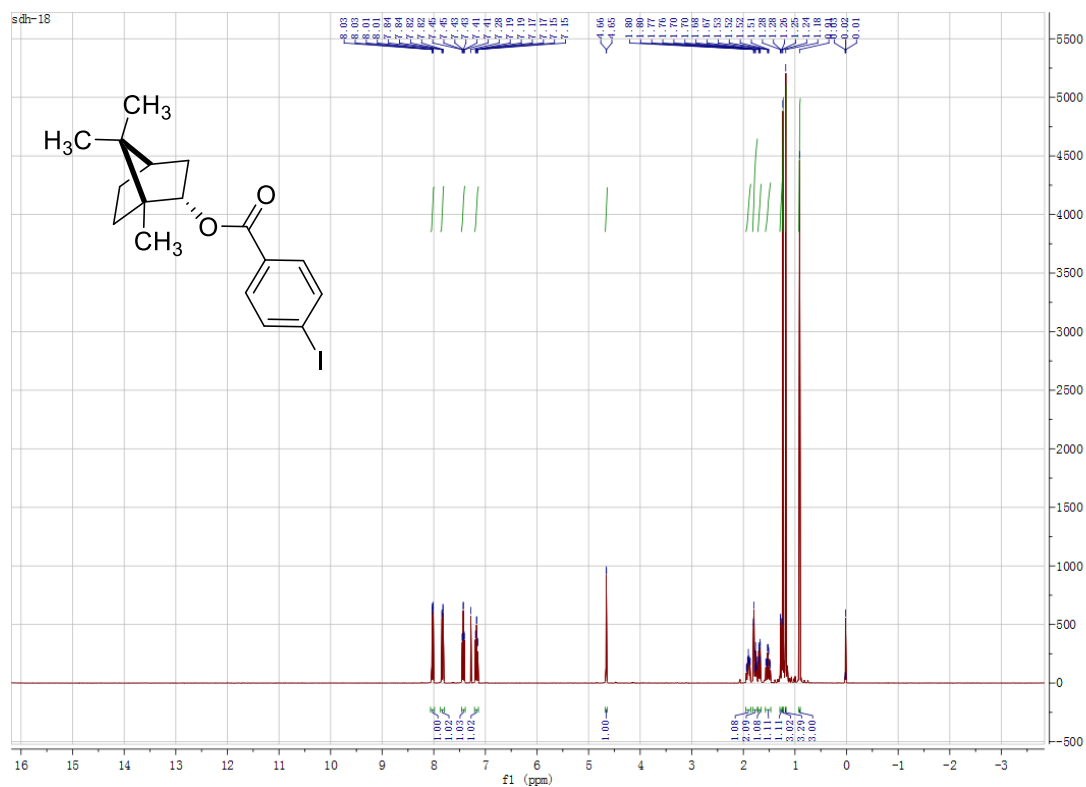


Figure 49 ^1H -NMR of **3q**

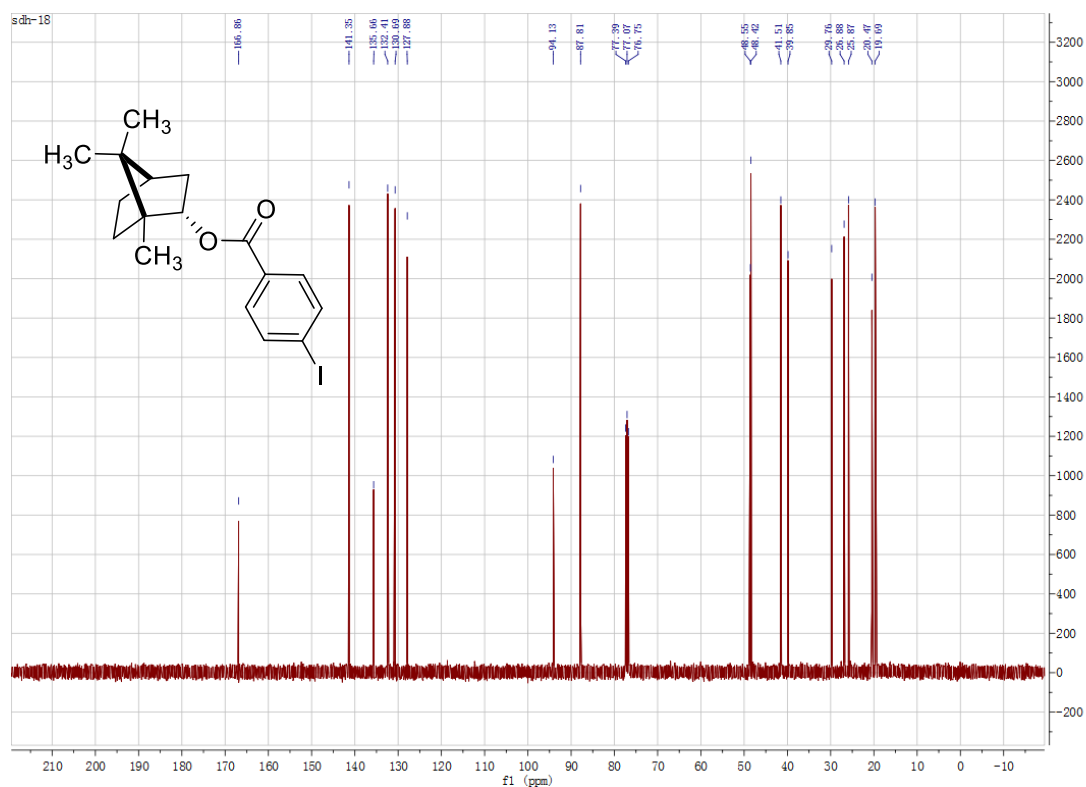


Figure 50 ^{13}C -NMR of **3q**

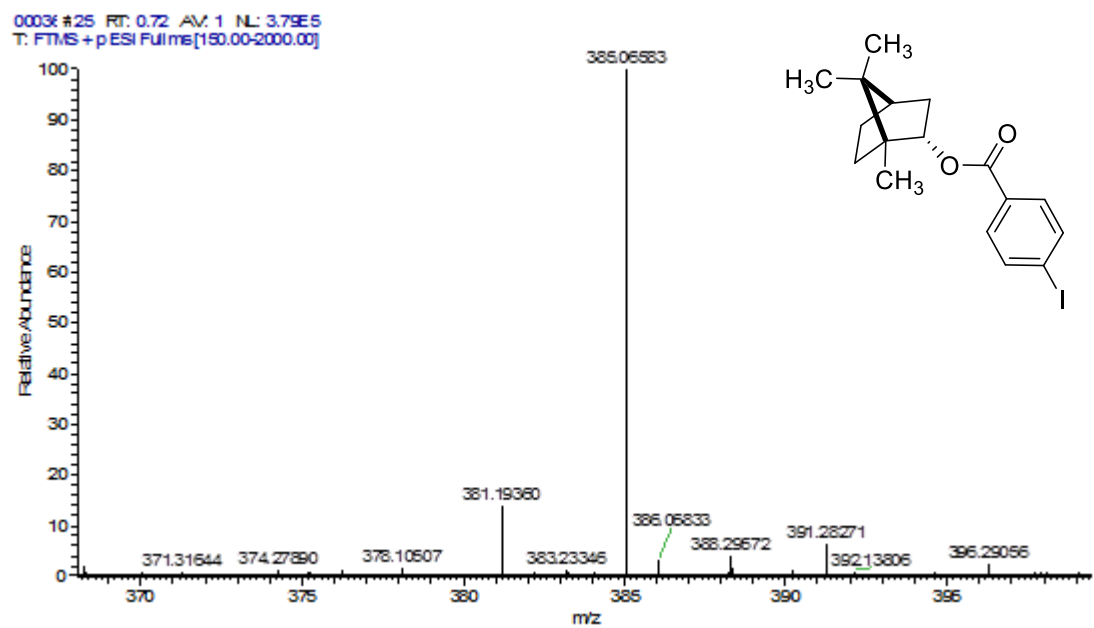


Figure 51 HRMS of 3q

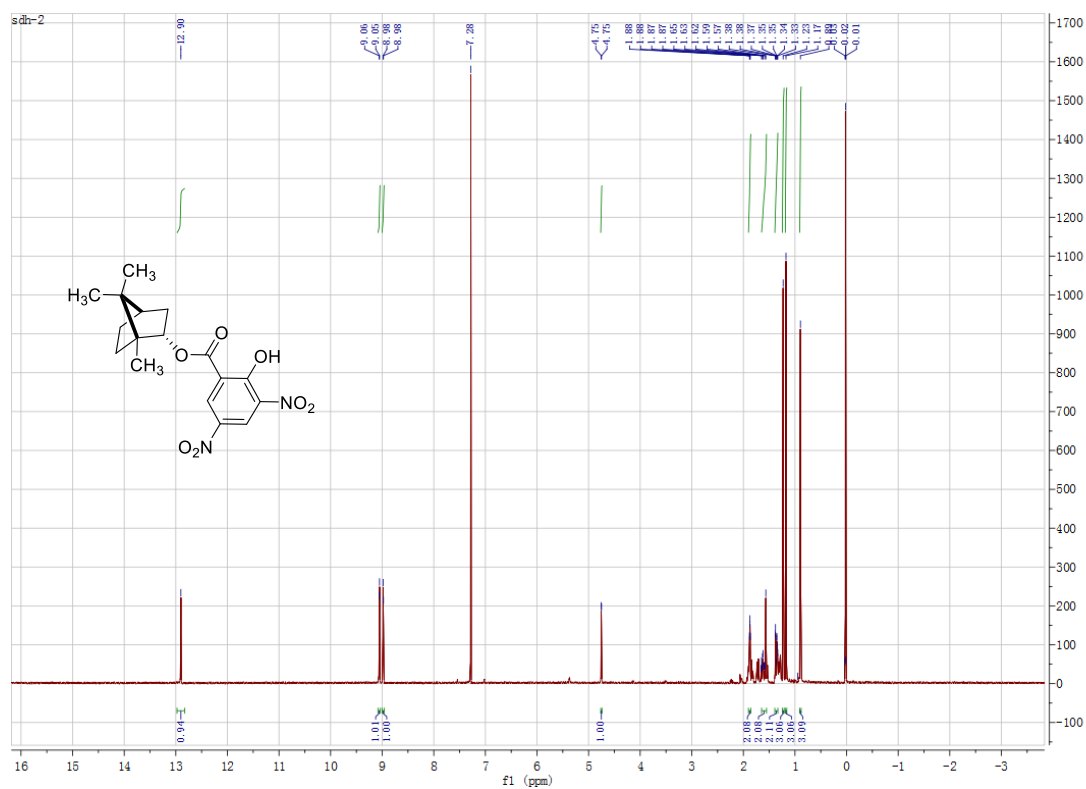


Figure 52 ¹H-NMR of 3r

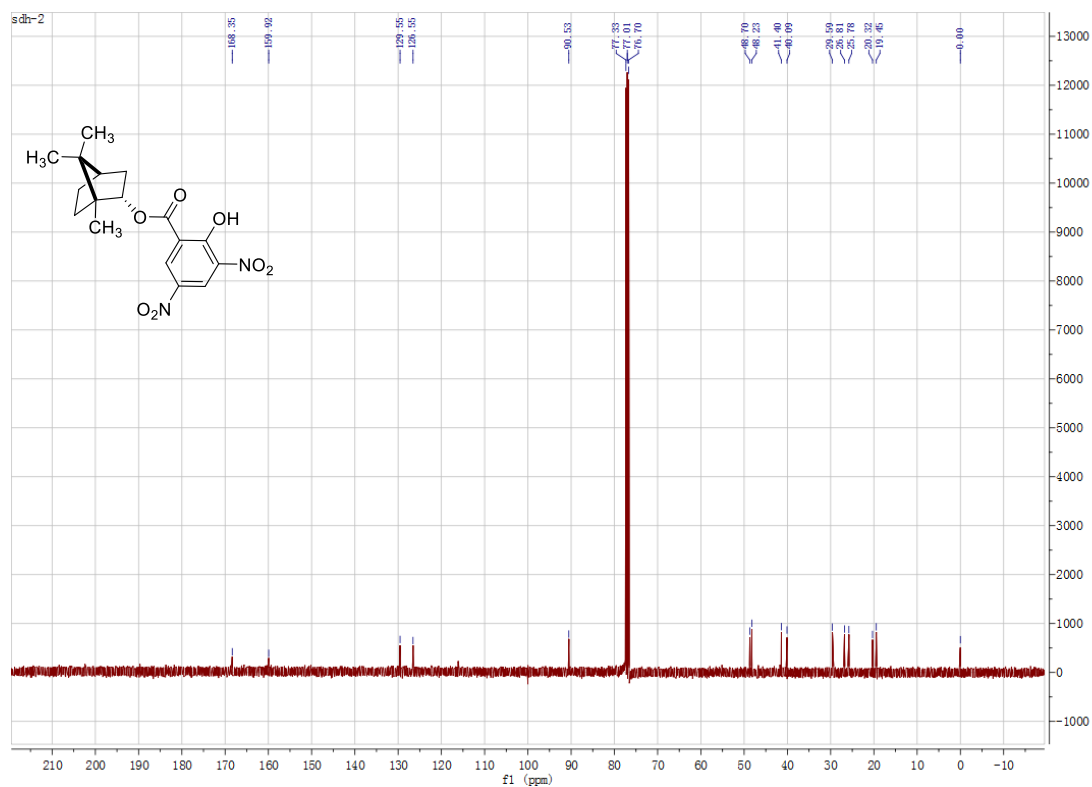


Figure 53 ¹³C-NMR of **3r**

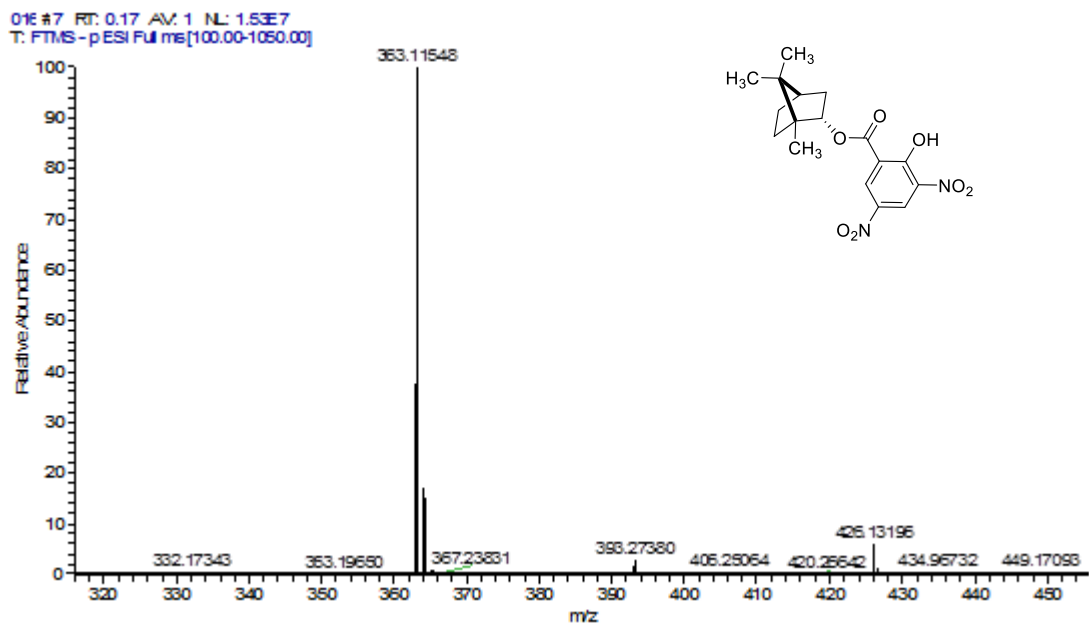


Figure 54 HRMS of **3r**

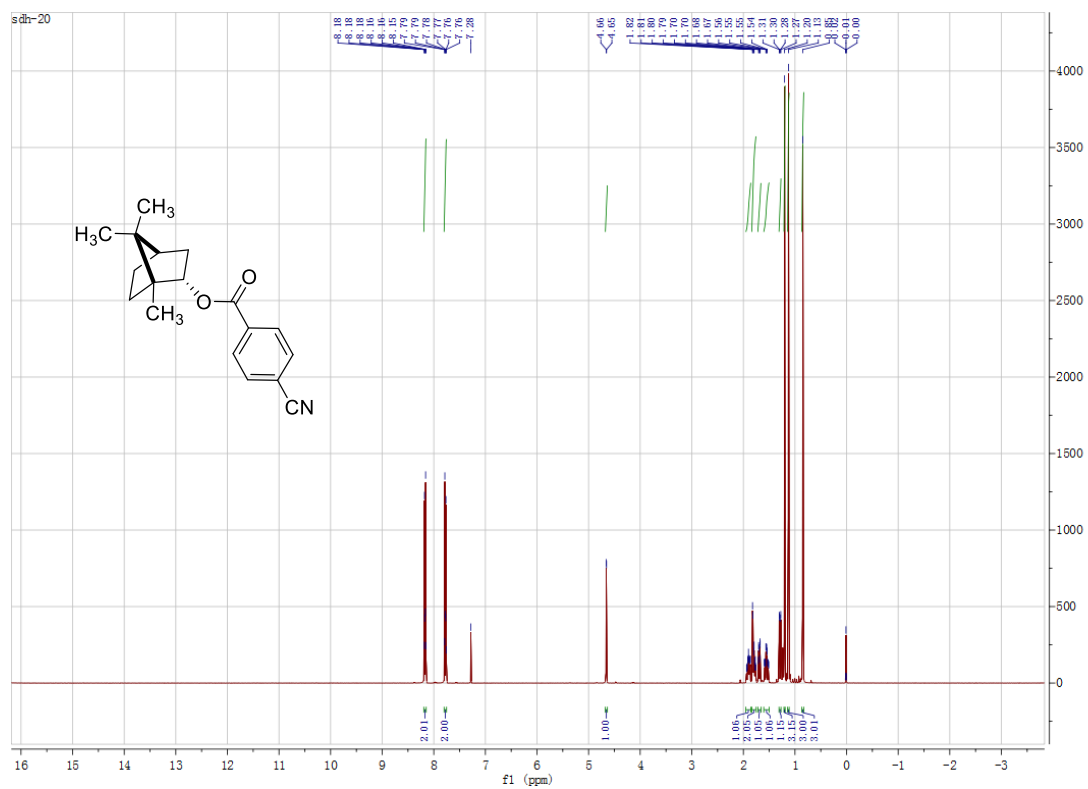


Figure 55 ¹H-NMR of 3s

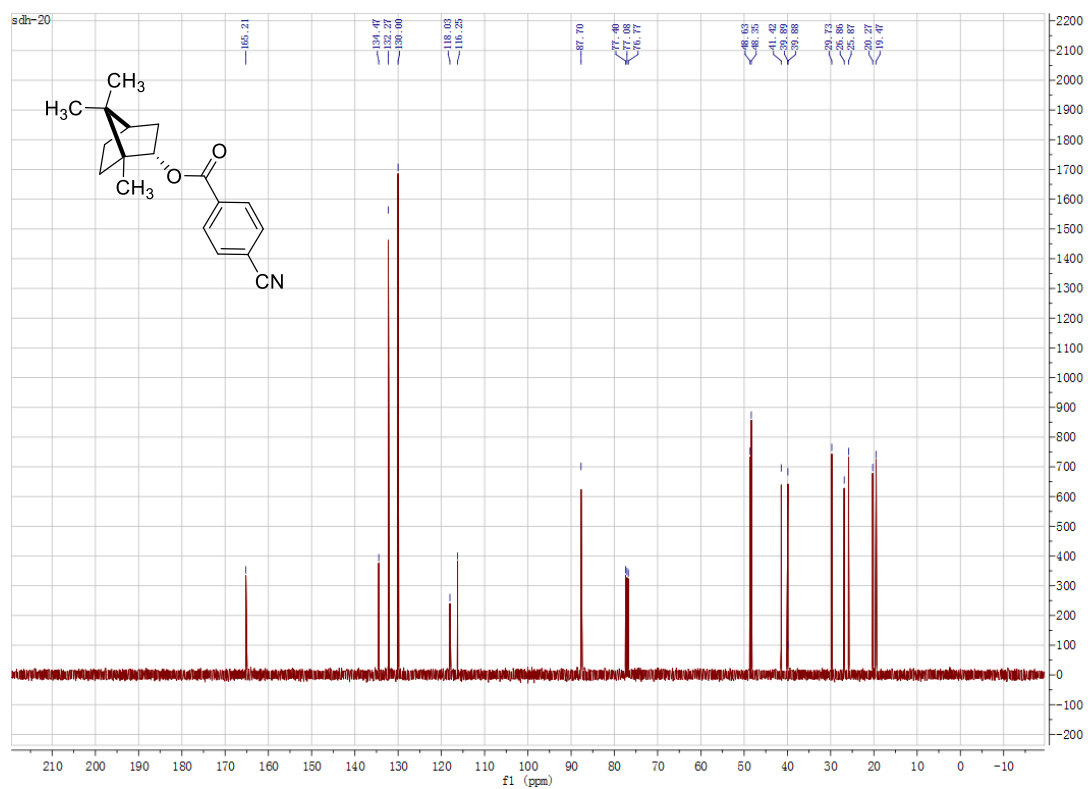


Figure 56 ¹³C-NMR of 3s

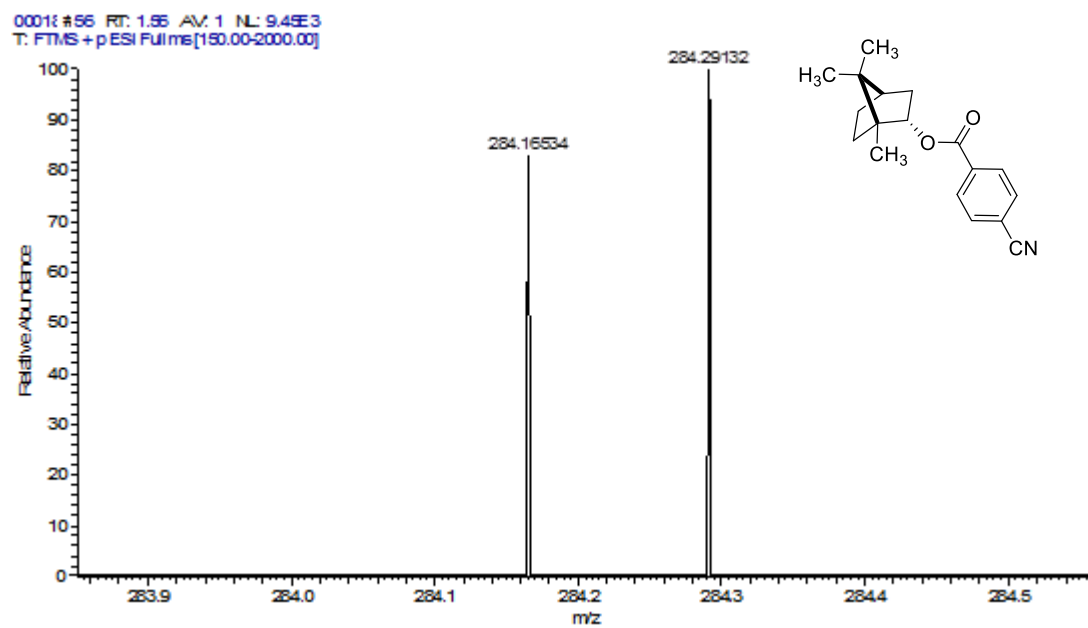


Figure 57 HRMS of 3s

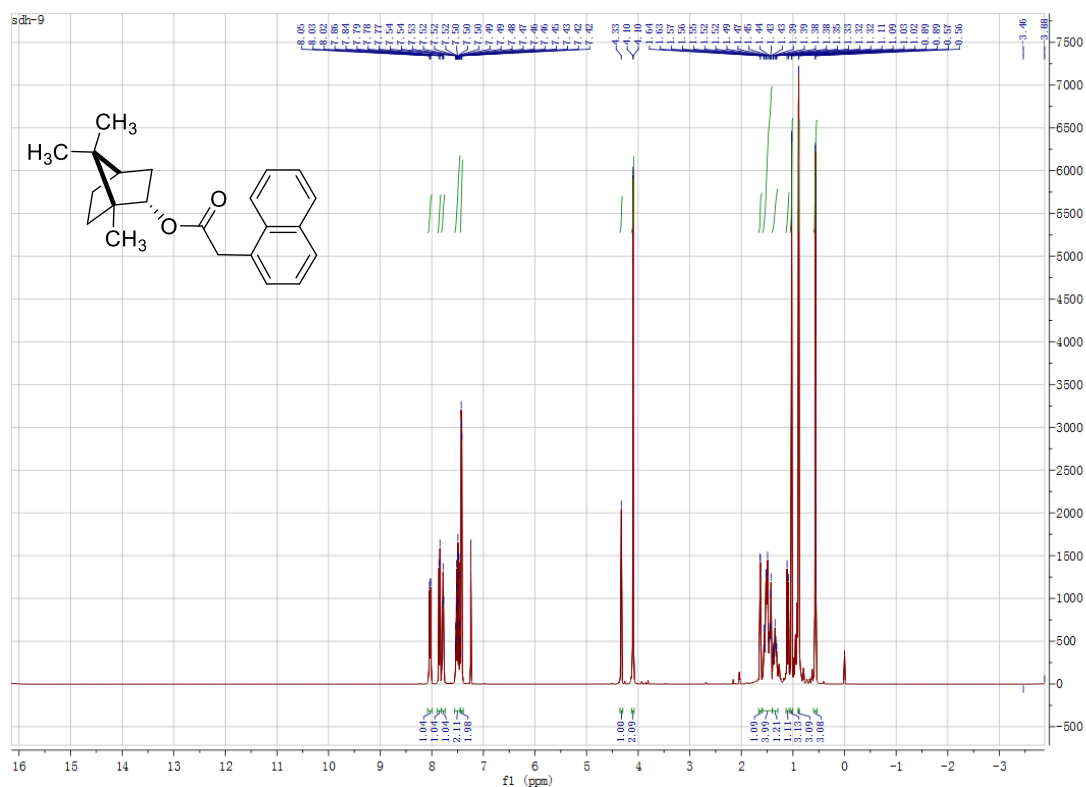


Figure 53 ^1H -NMR of 3t

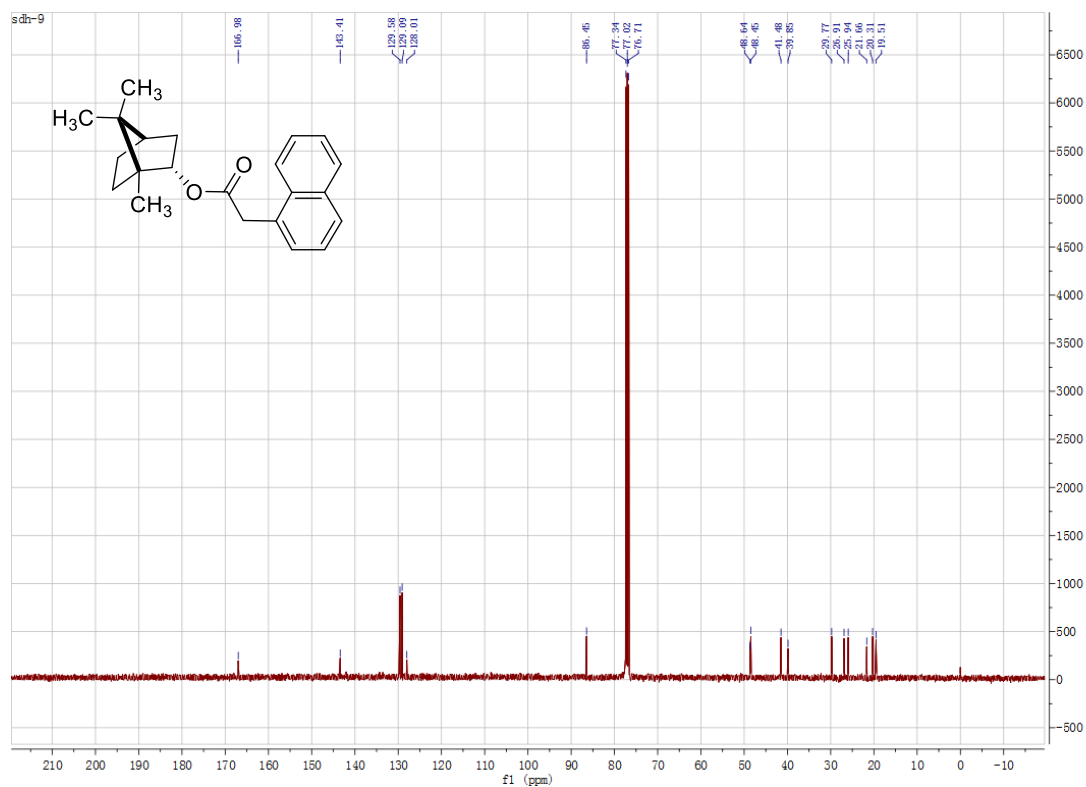


Figure 59 ¹³C-NMR of **3t**

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T: FTMS + p ESI Full ms [150.00-2000.00]

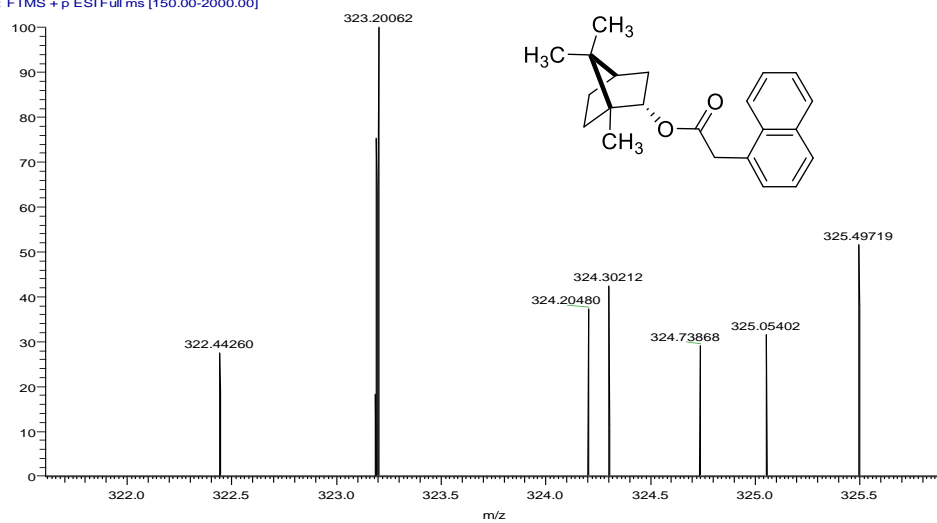


Figure 60 HRMS of **3s**