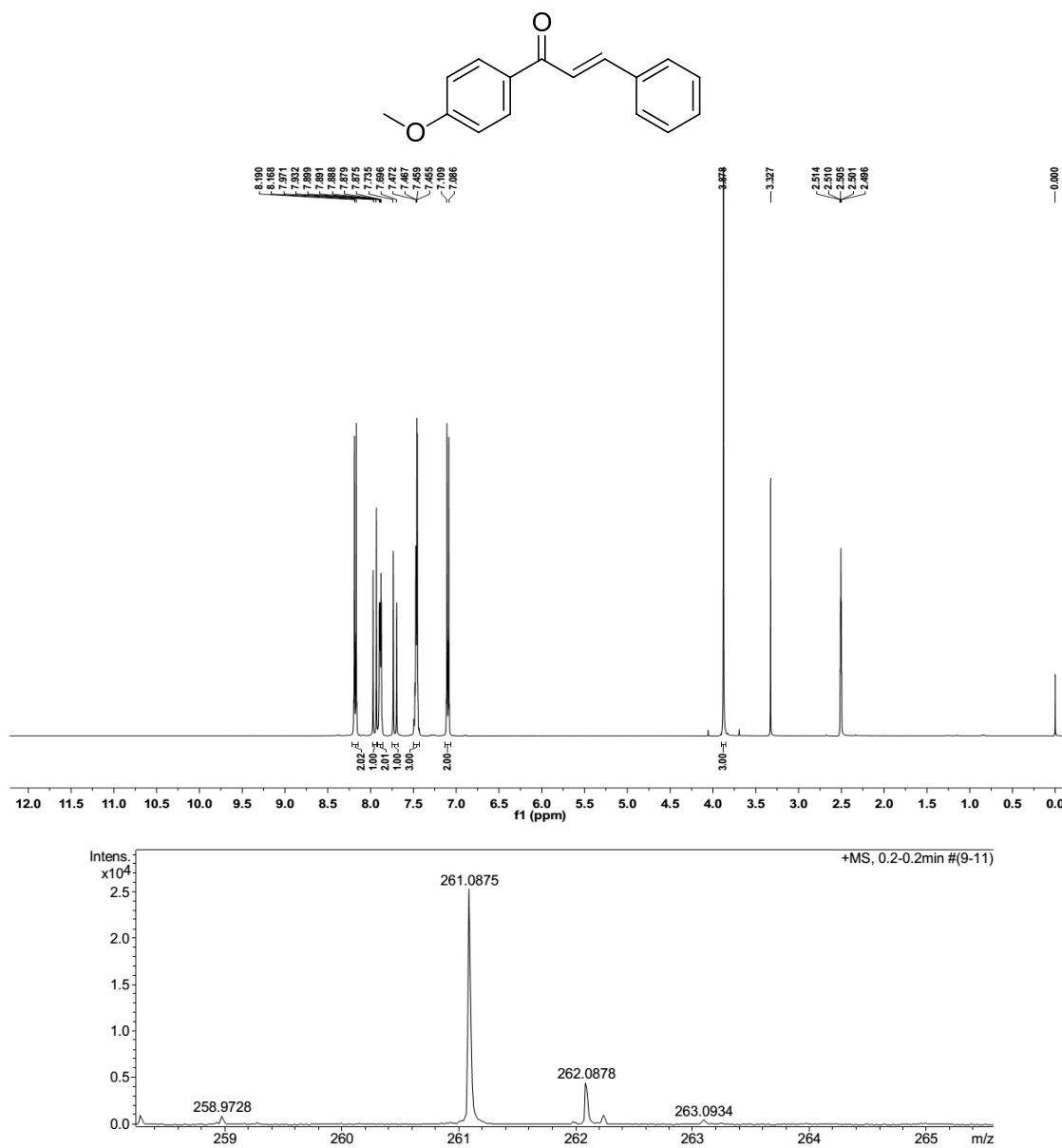


Supplementary Materials

^1H -NMR spectra, ^{13}C -NMR spectra or HRMS of the synthesized compounds.

(E)-1-(4-Methoxyphenyl)-3-phenylprop-2-en-1-one (**a1**)

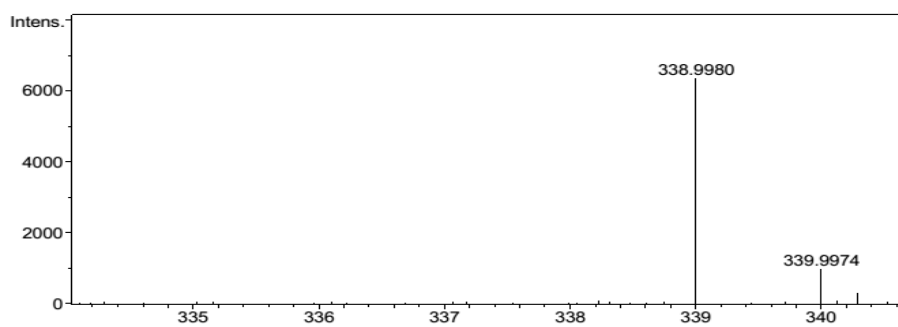
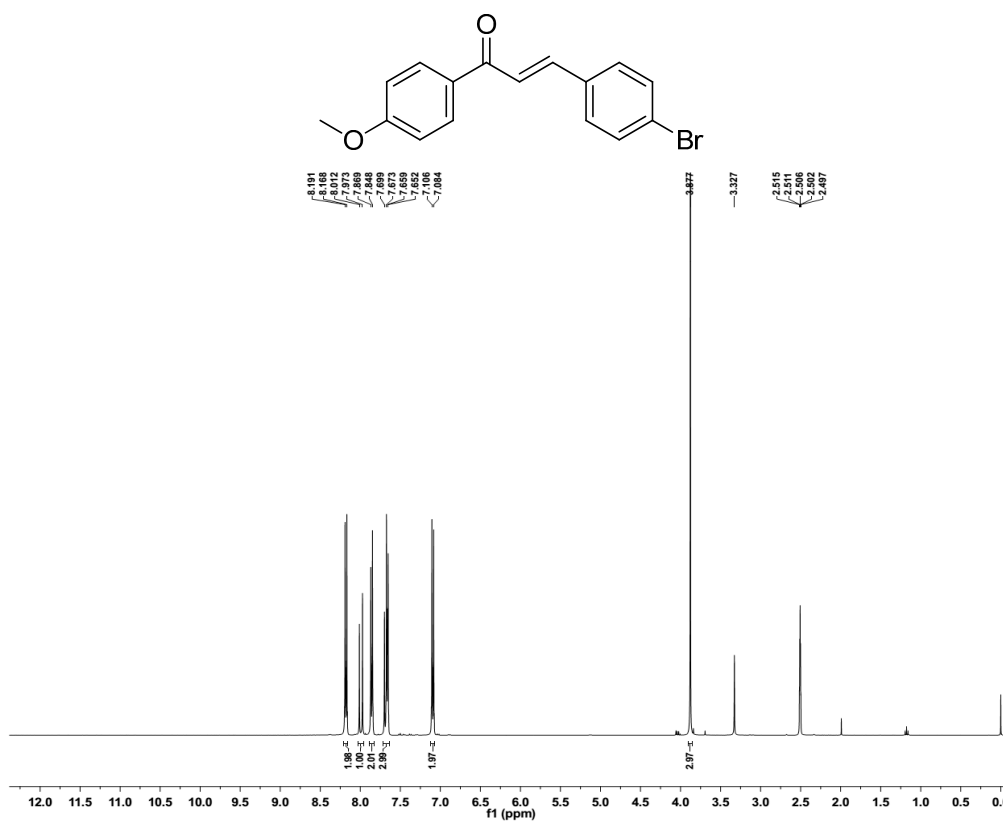


The HRMS ionization method is below, also for other compounds.

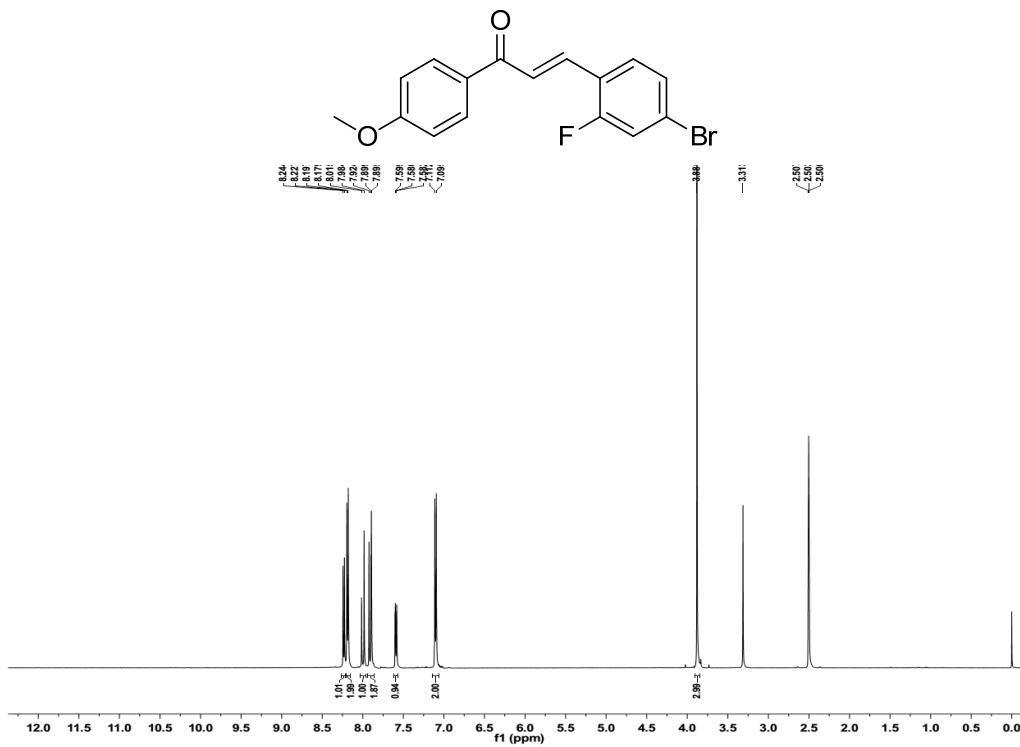
Display Report

Analysis Info				Acquisition Date 1/10/2014 8:50:42 PM	
Analysis Name	D:\Data\du\wycla\4b.d			Operator	XZNU
Method	tune_low.m			Instrument	micrOTOF-Q 134
Sample Name	TuneMix				
Comment					
Acquisition Parameter					
Source Type	ESI	Ion Polarity	Positive	Set Nebulizer	0.4 Bar
Focus	Active	Set Capillary	4500 V	Set Dry Heater	180 °C
Scan Begin	50 m/z	Set End Plate Offset	-500 V	Set Dry Gas	2.0 l/min
Scan End	3000 m/z	Set Collision Cell RF	150.0 Vpp	Set Divert Valve	Source

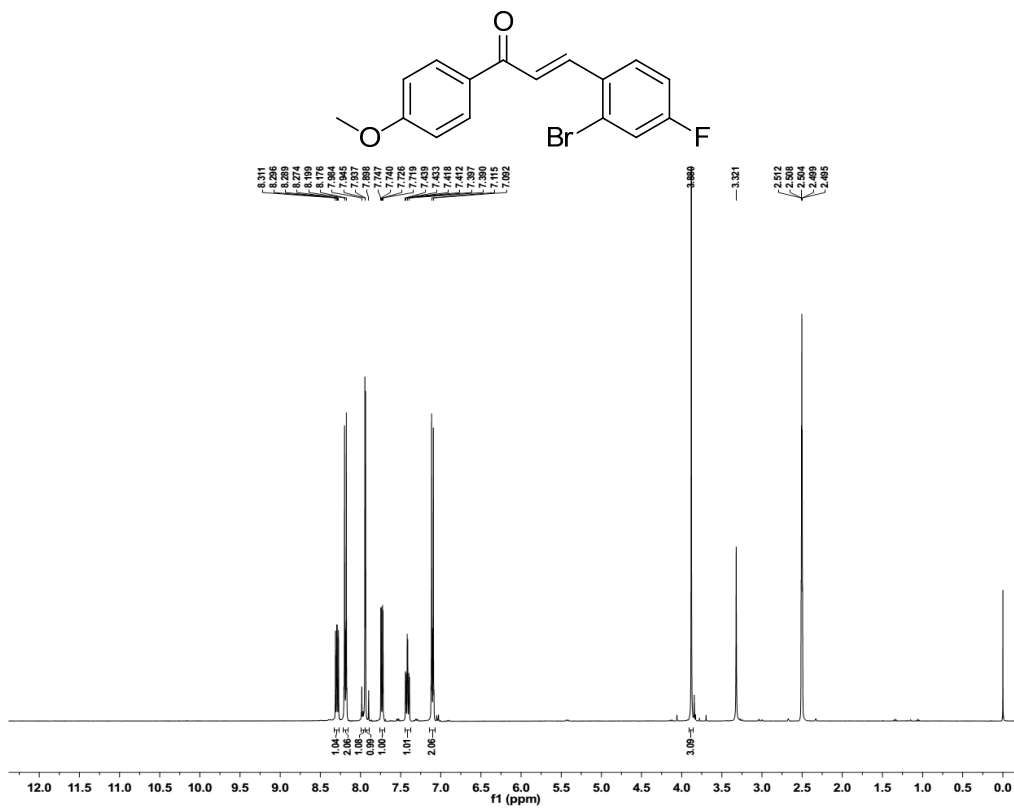
(E)-1-(4-Methoxyphenyl)-3-(4-bromophenyl)prop-2-en-1-one (a2)

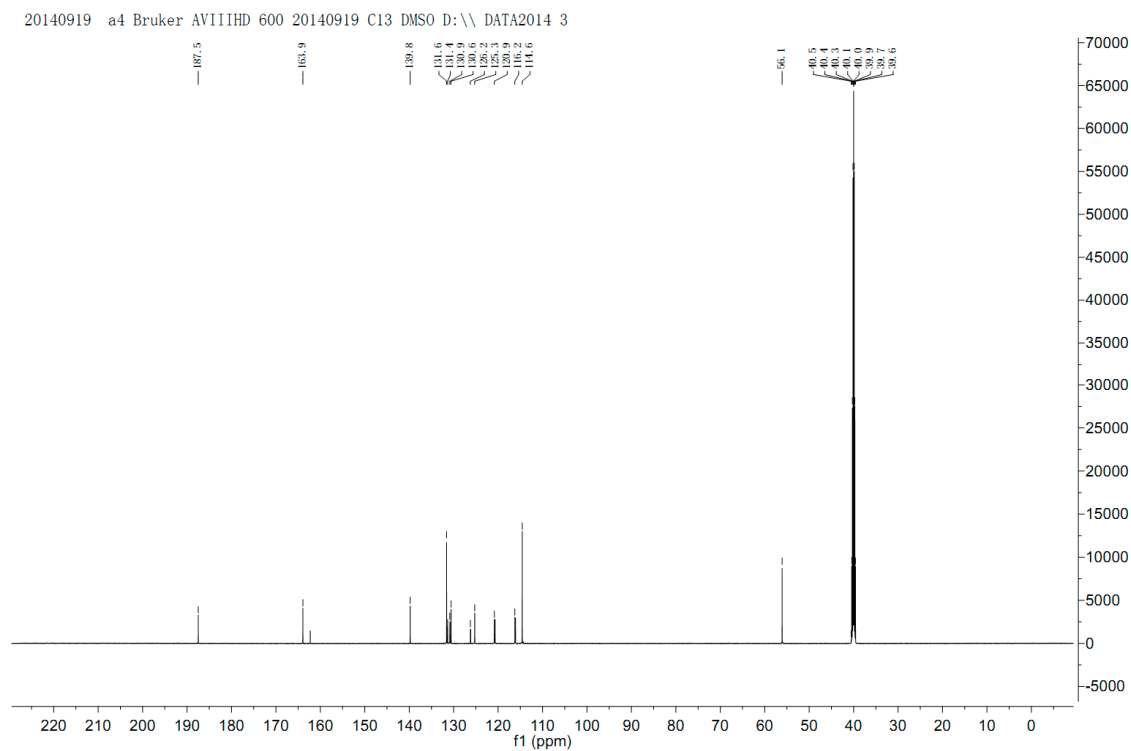


(E)-1-(4-Methoxyphenyl)-3-(4-bromo-2-fluorophenyl)prop-2-en-1-one (**a3**)

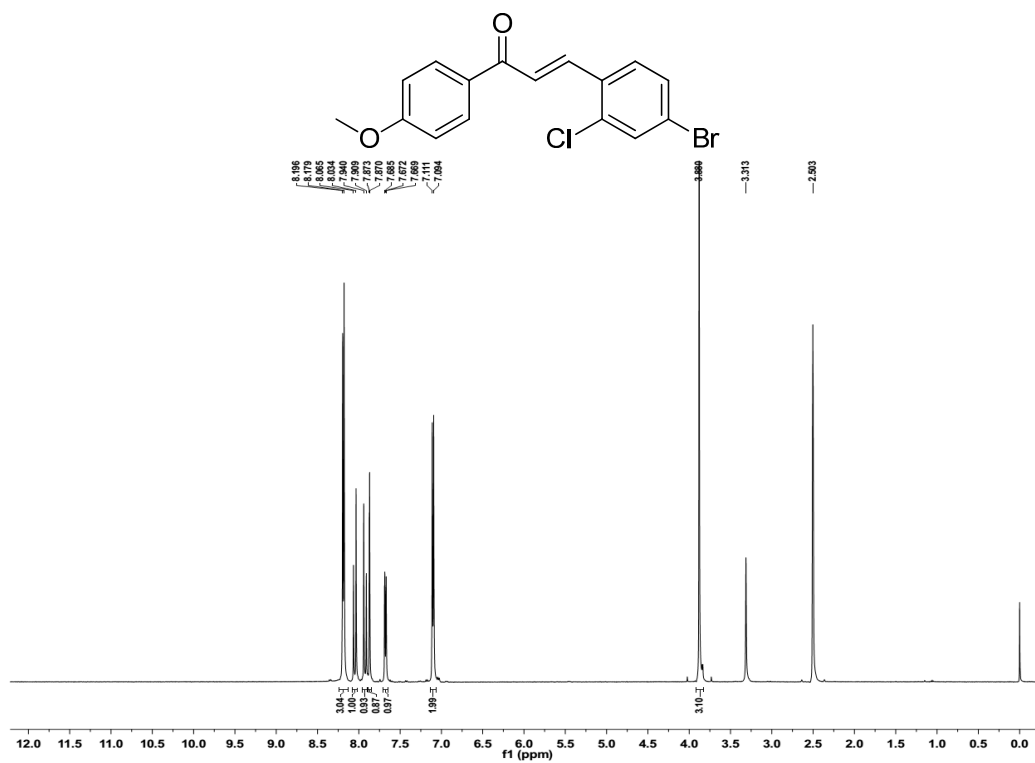


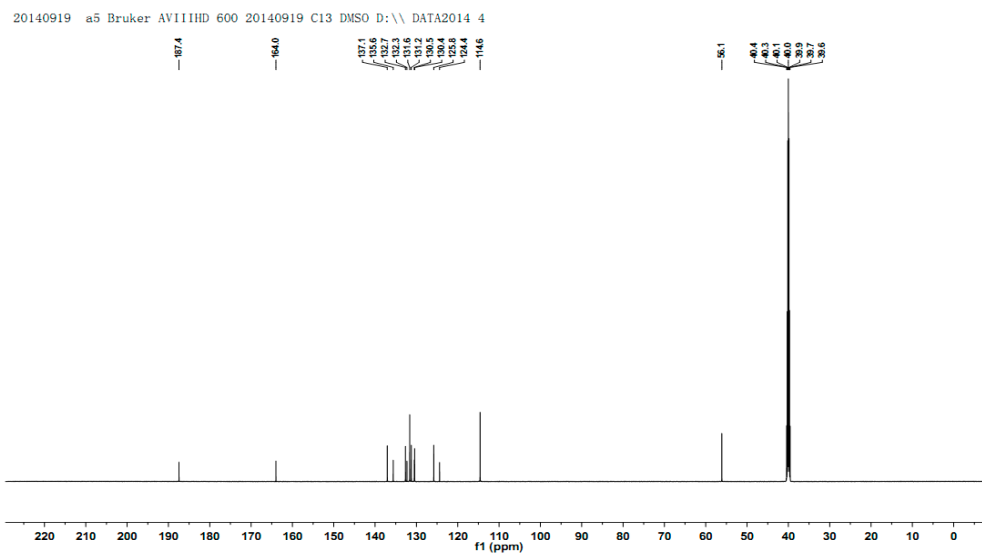
(E)-1-(4-Methoxyphenyl)-3-(2-bromo-4-fluorophenyl)prop-2-en-1-one (**a4**)



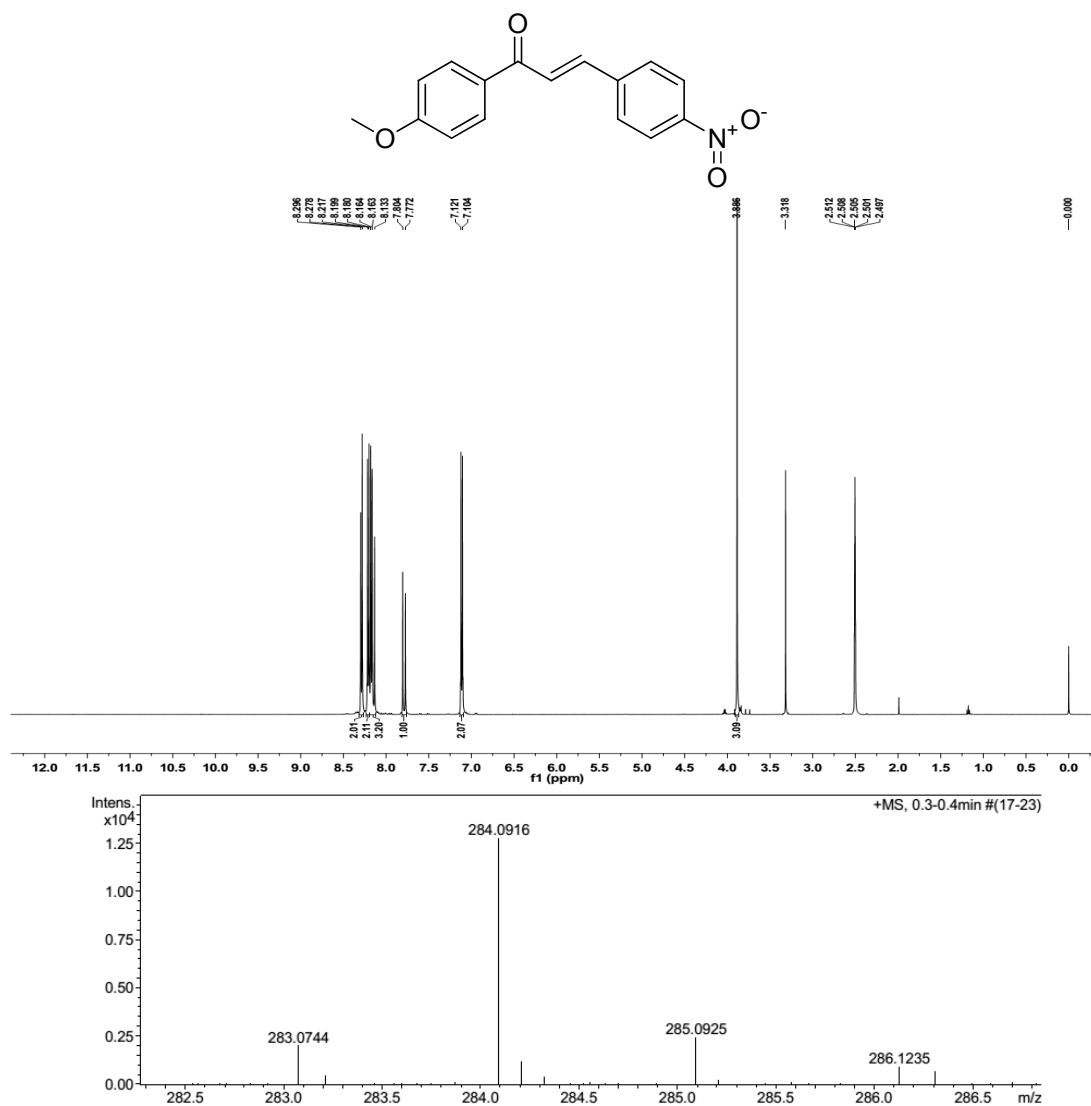


(E)-1-(4-Methoxyphenyl)-3-(4-bromo-2-chlorophenyl)prop-2-en-1-one (a5)

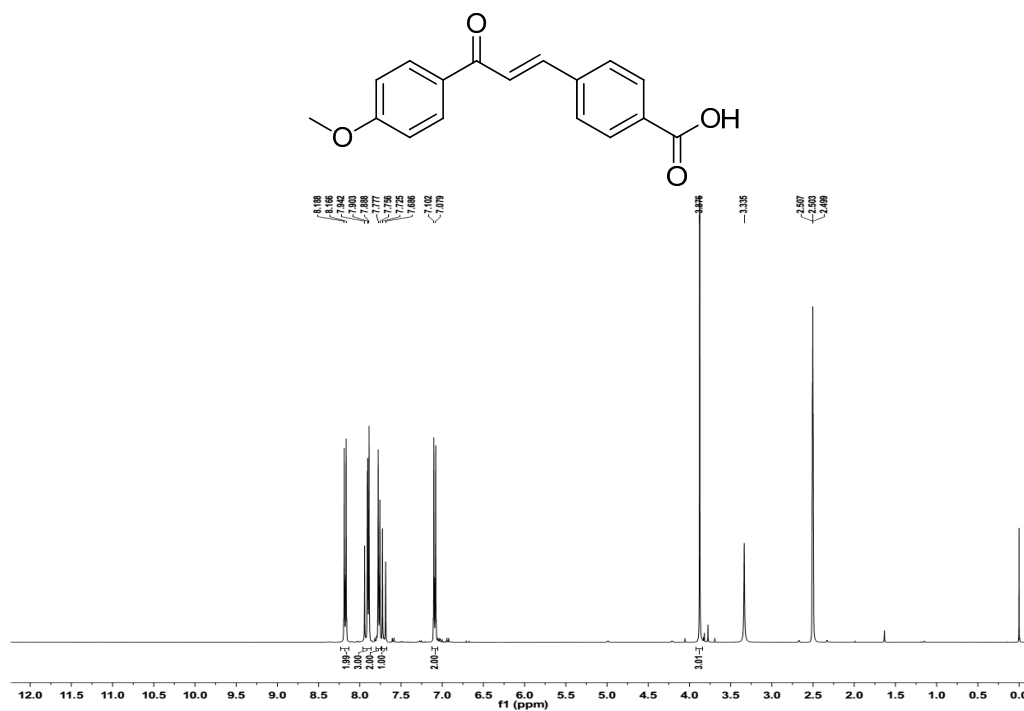




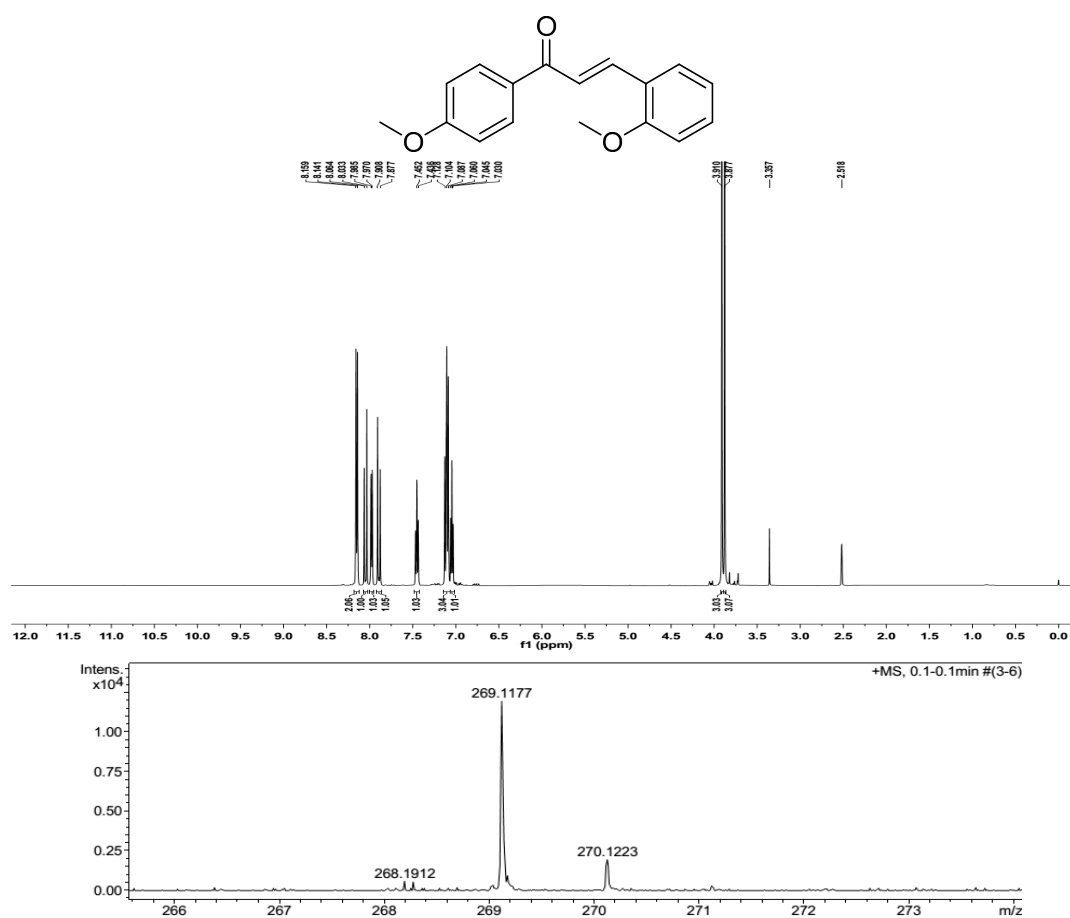
(E)-1-(4-Methoxyphenyl)-3-(4-nitrophenyl)prop-2-en-1-one (**a6**)



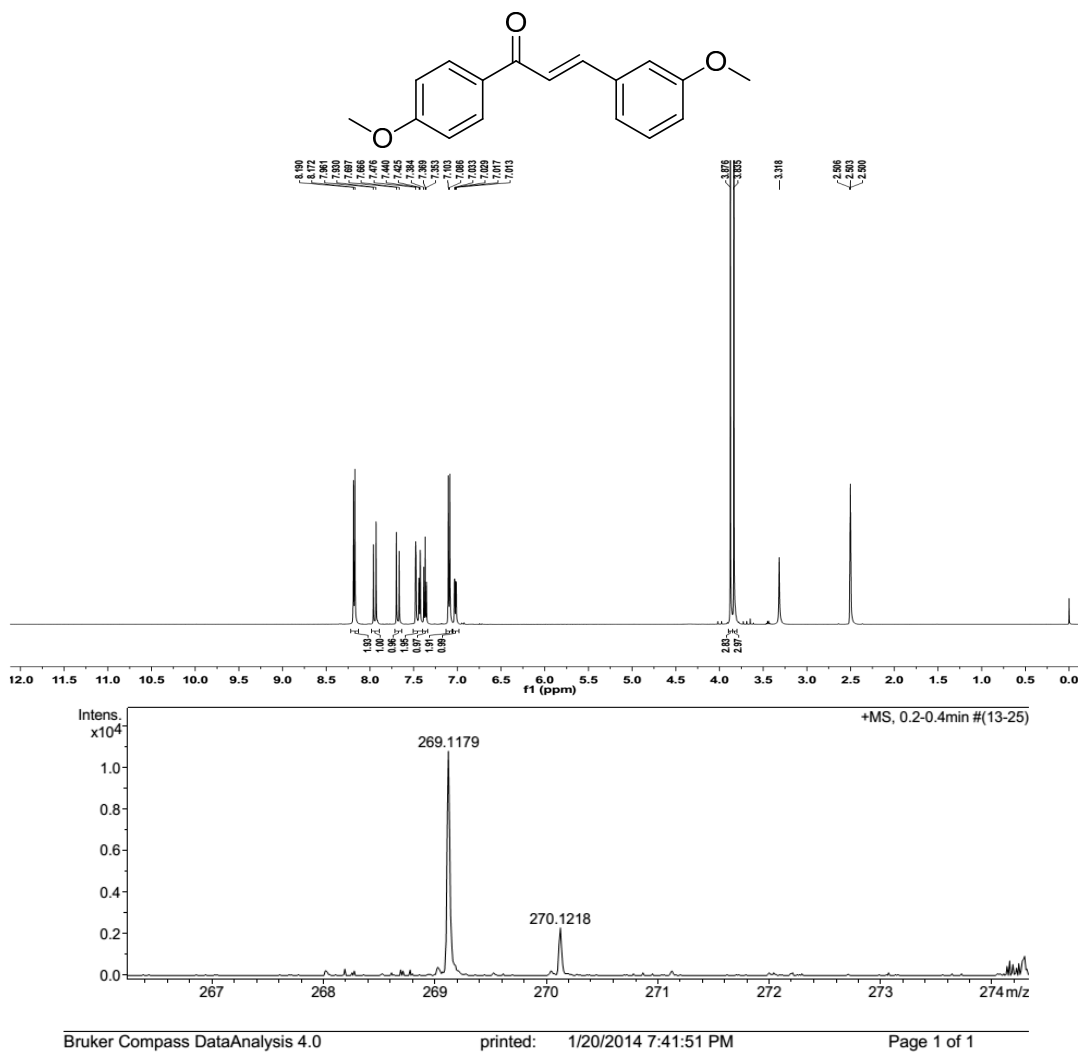
(E)-1-(4-Methoxyphenyl)-3-(4-carbonylphenyl)prop-2-en-1-one (**a7**)



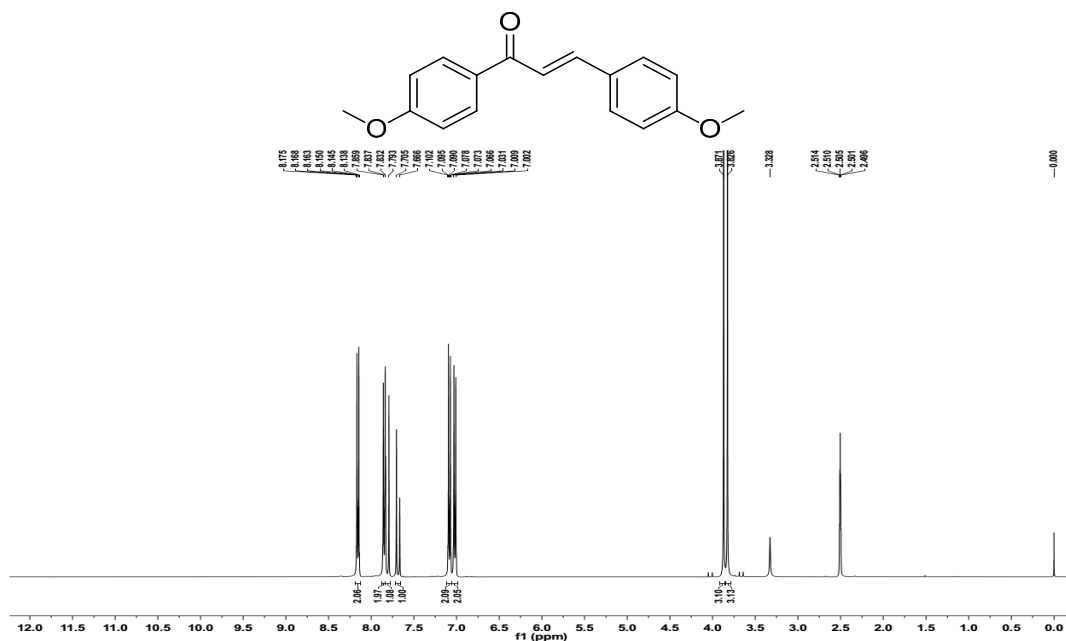
(E)-1-(4-Methoxyphenyl)-3-(2-methoxyphenyl)prop-2-en-1-one (**a8**)

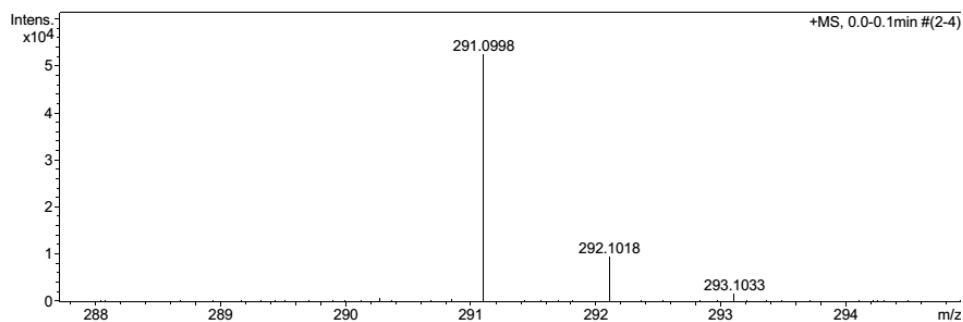


(E)-1-(4-Methoxyphenyl)-3-(3-methoxyphenyl)prop-2-en-1-one (**a9**)



(E)-1,3-bis(4-Methoxyphenyl)prop-2-en-1-one (**a10**)



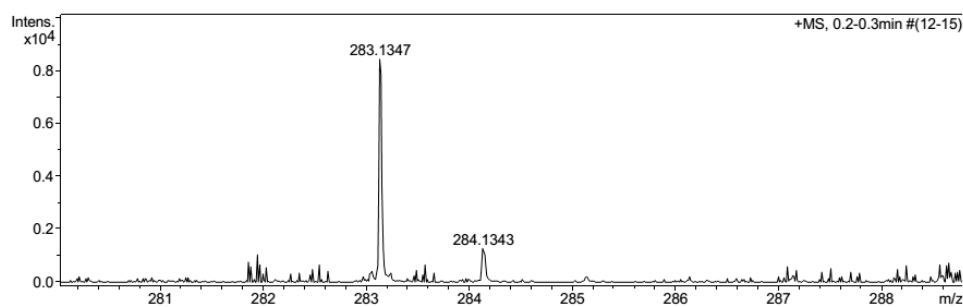


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(E)-1-(4-Methoxyphenyl)-3-(4-ethoxyphenyl)prop-2-en-1-one (**a11**)

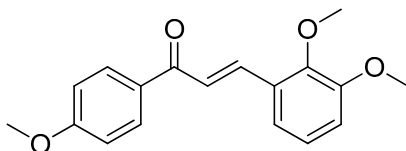


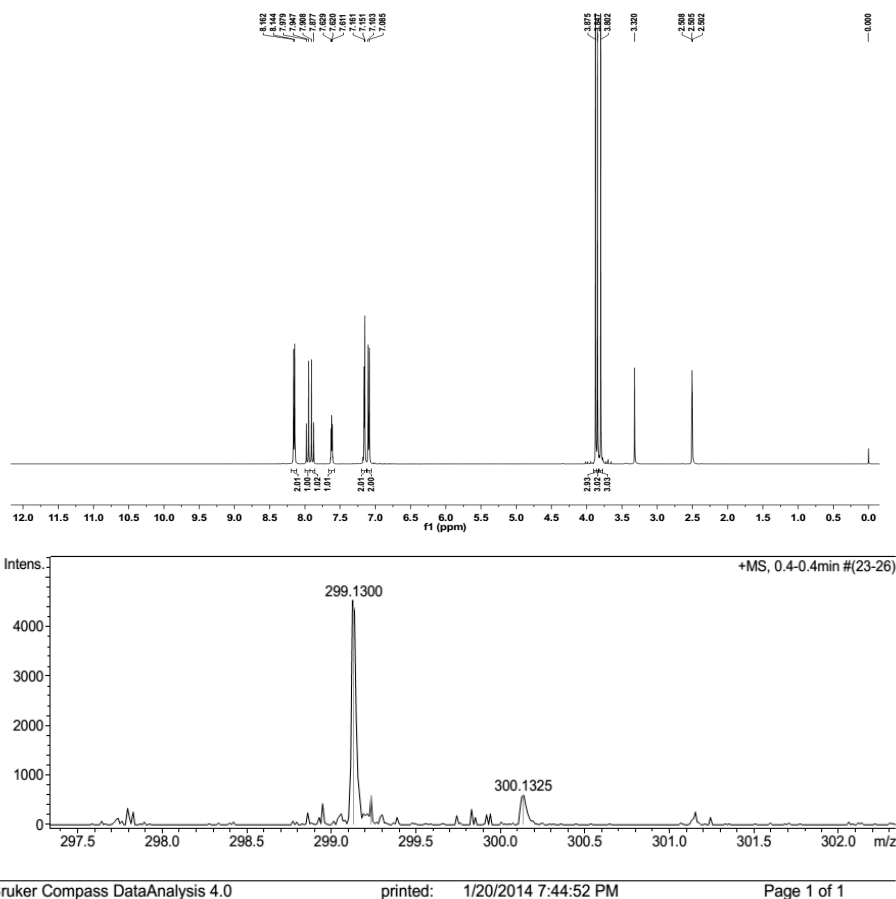
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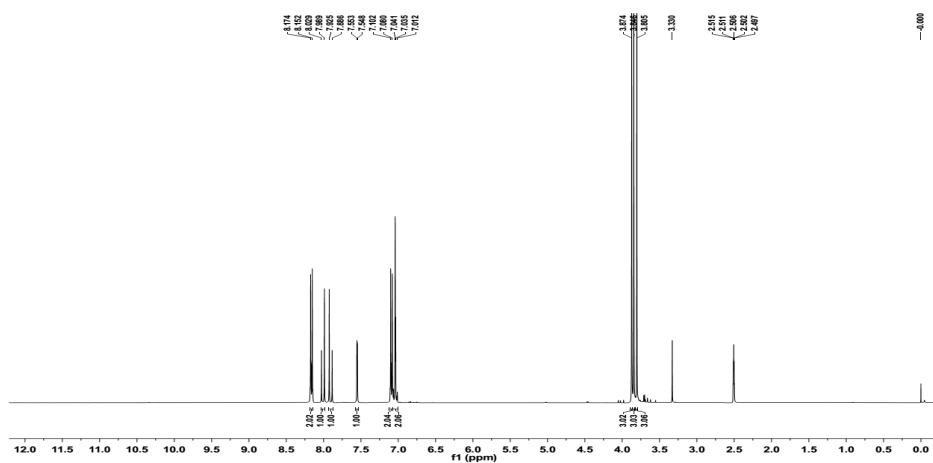
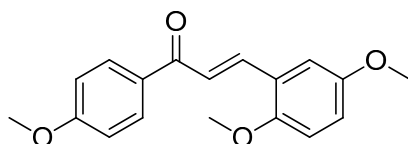
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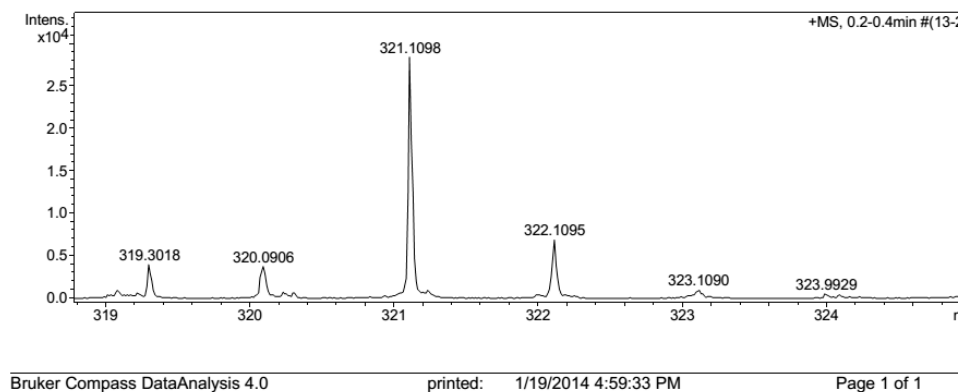
(E)-1-(4-Methoxyphenyl)-3-(2,3-dimethoxyphenyl)prop-2-en-1-one (**a12**)



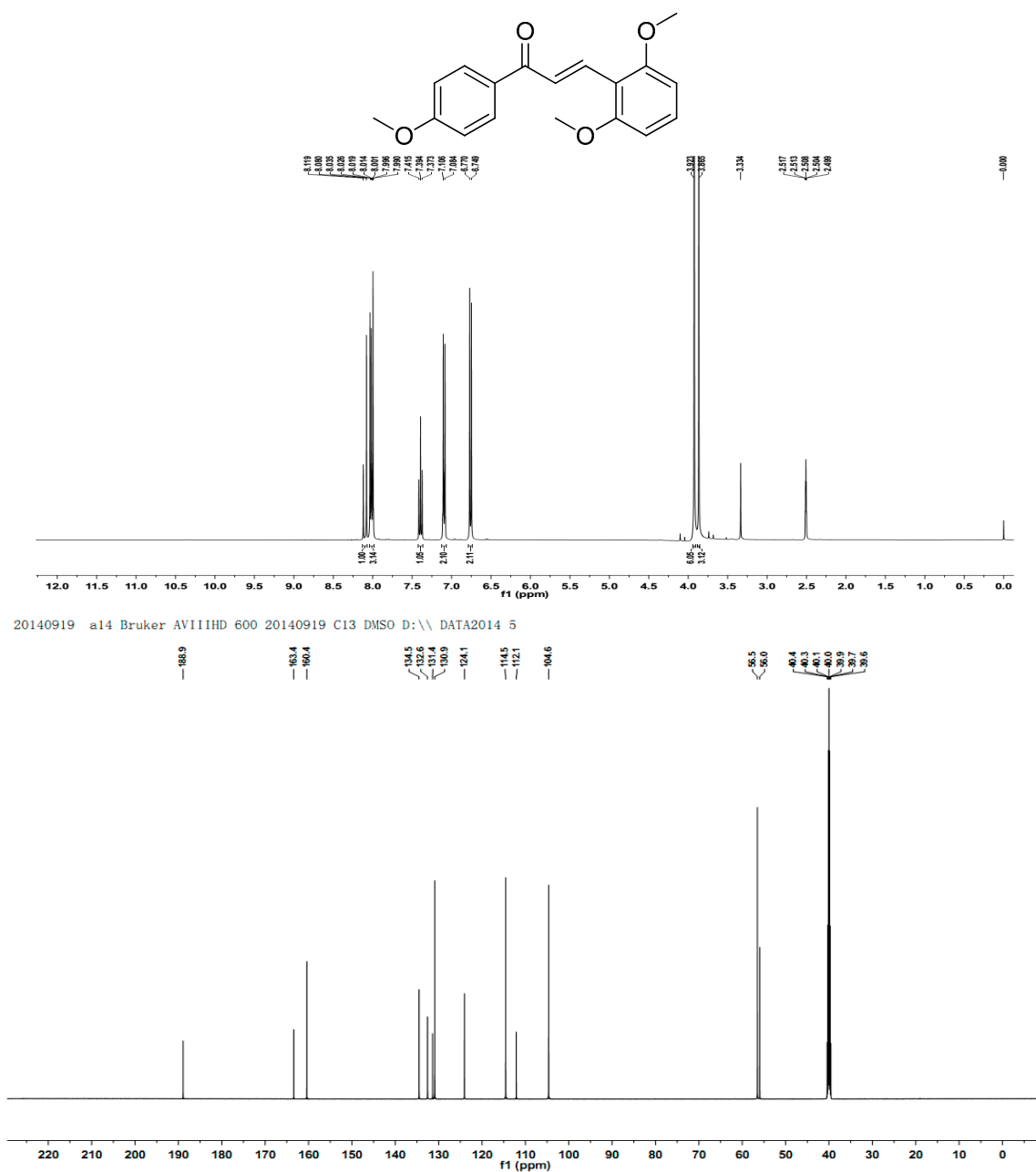


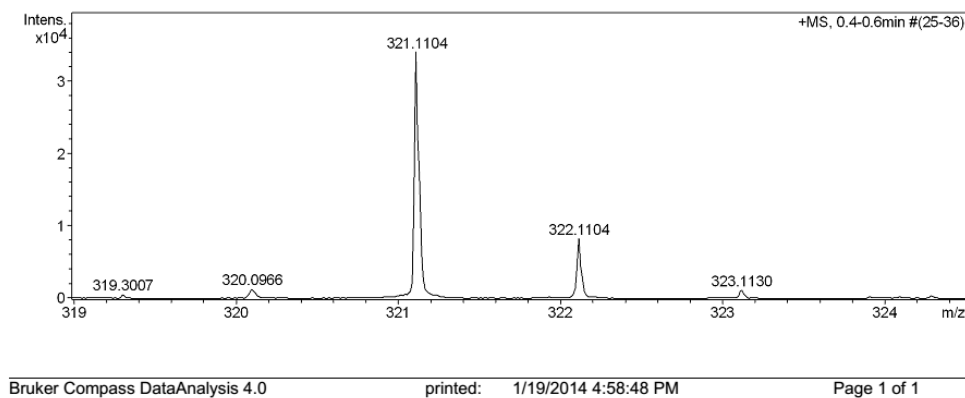
(E)-1-(4-Methoxyphenyl)-3-(2,5-dimethoxyphenyl)prop-2-en-1-one (**a13**)



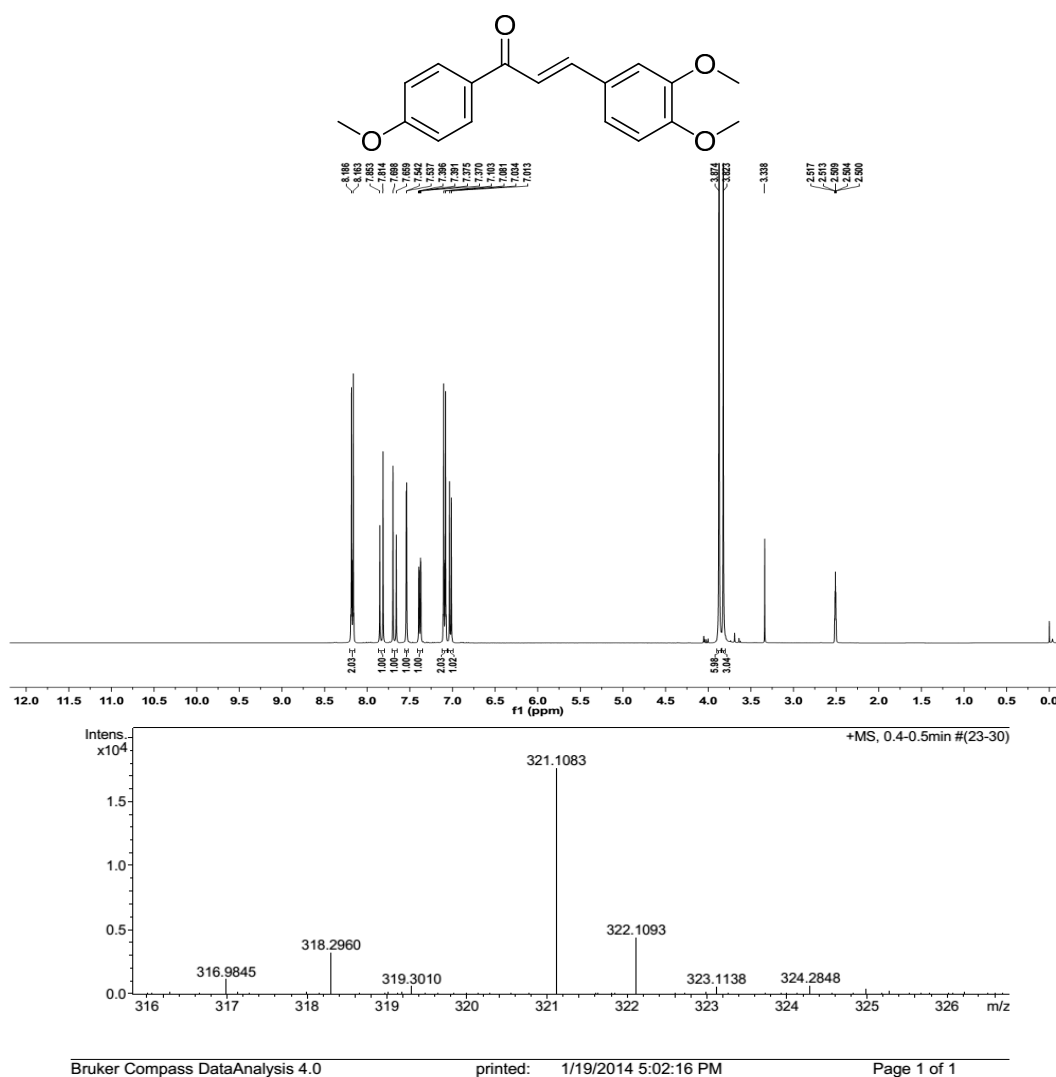


(*E*)-1-(4-Methoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (a14)

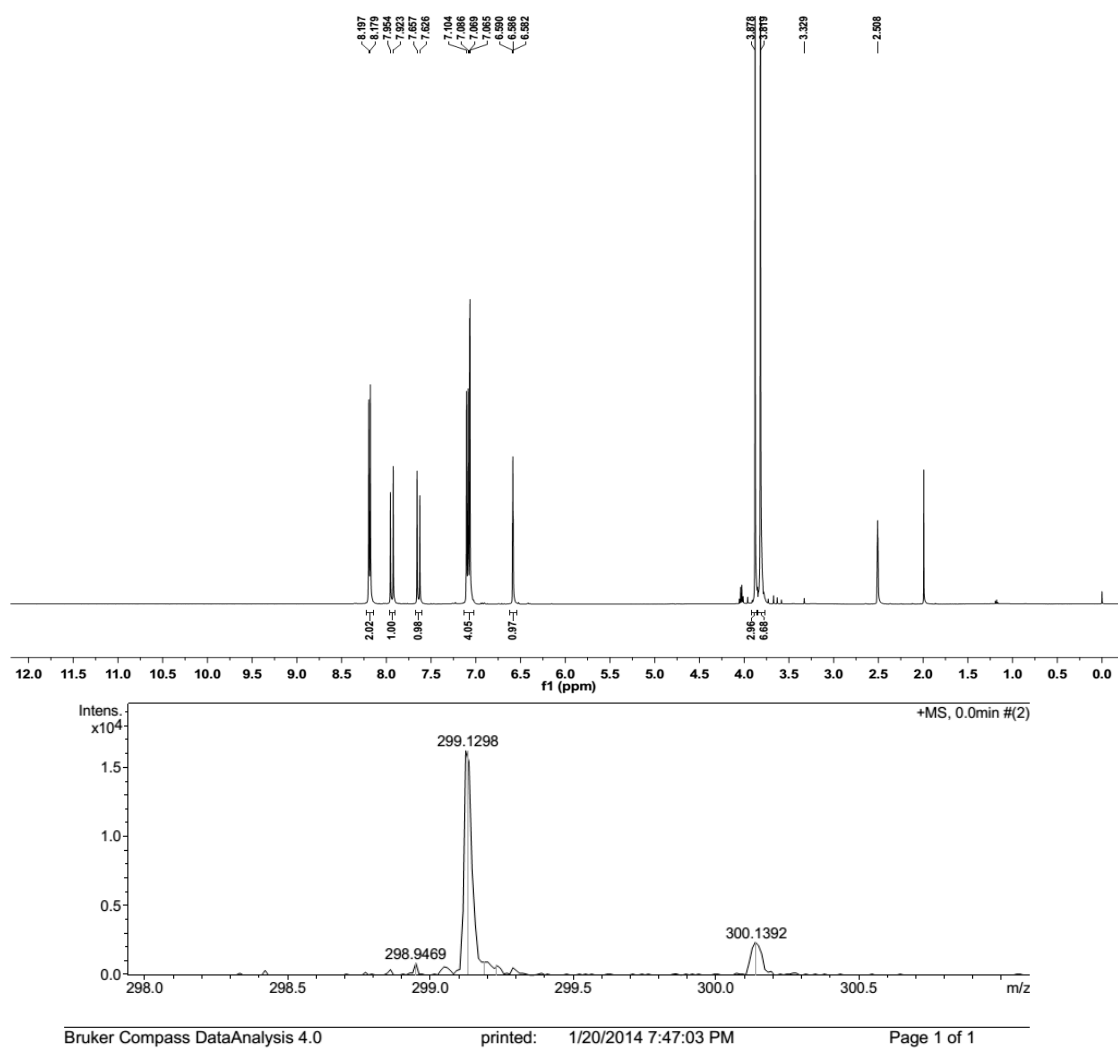




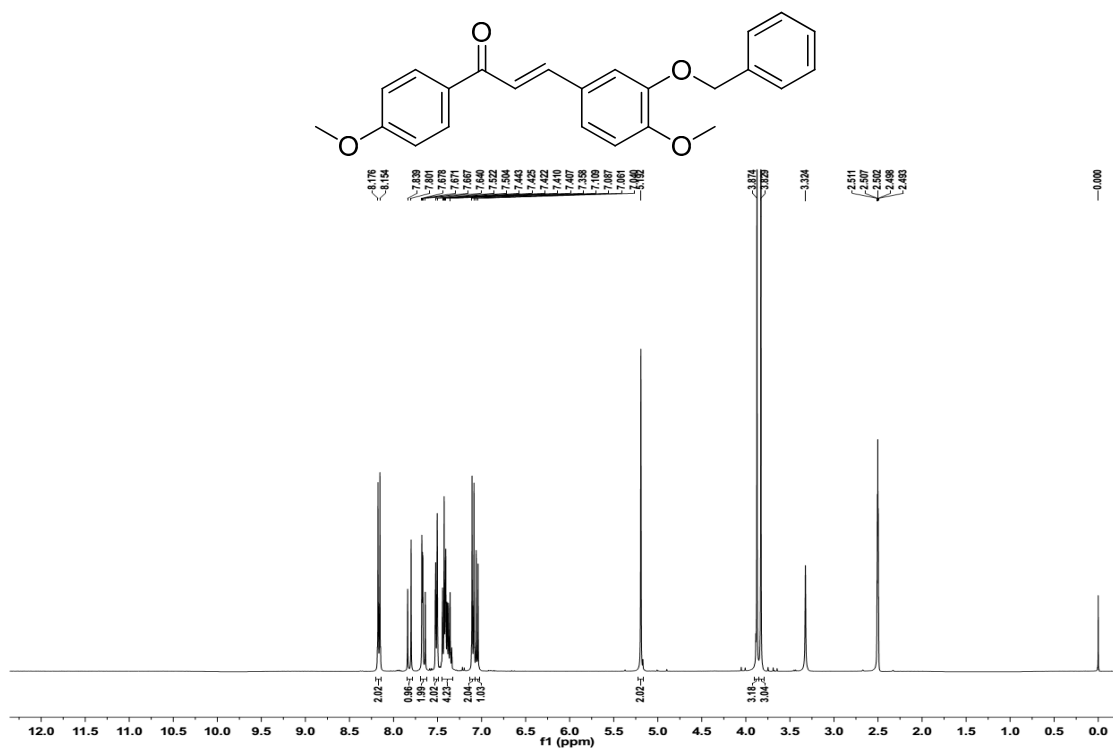
(E)-1-(4-Methoxyphenyl)-3-(3,4-dimethoxyphenyl)prop-2-en-1-one (**a15**)

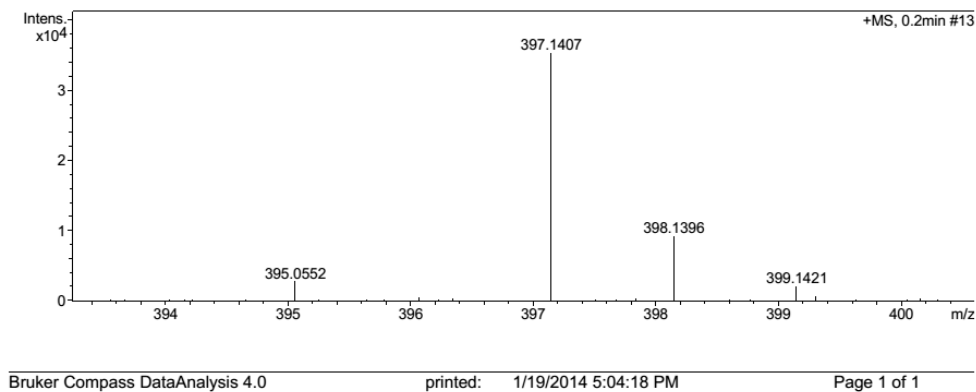


(E)-1-(4-Methoxyphenyl)-3-(3,5-dimethoxyphenyl)prop-2-en-1-one (**a16**)

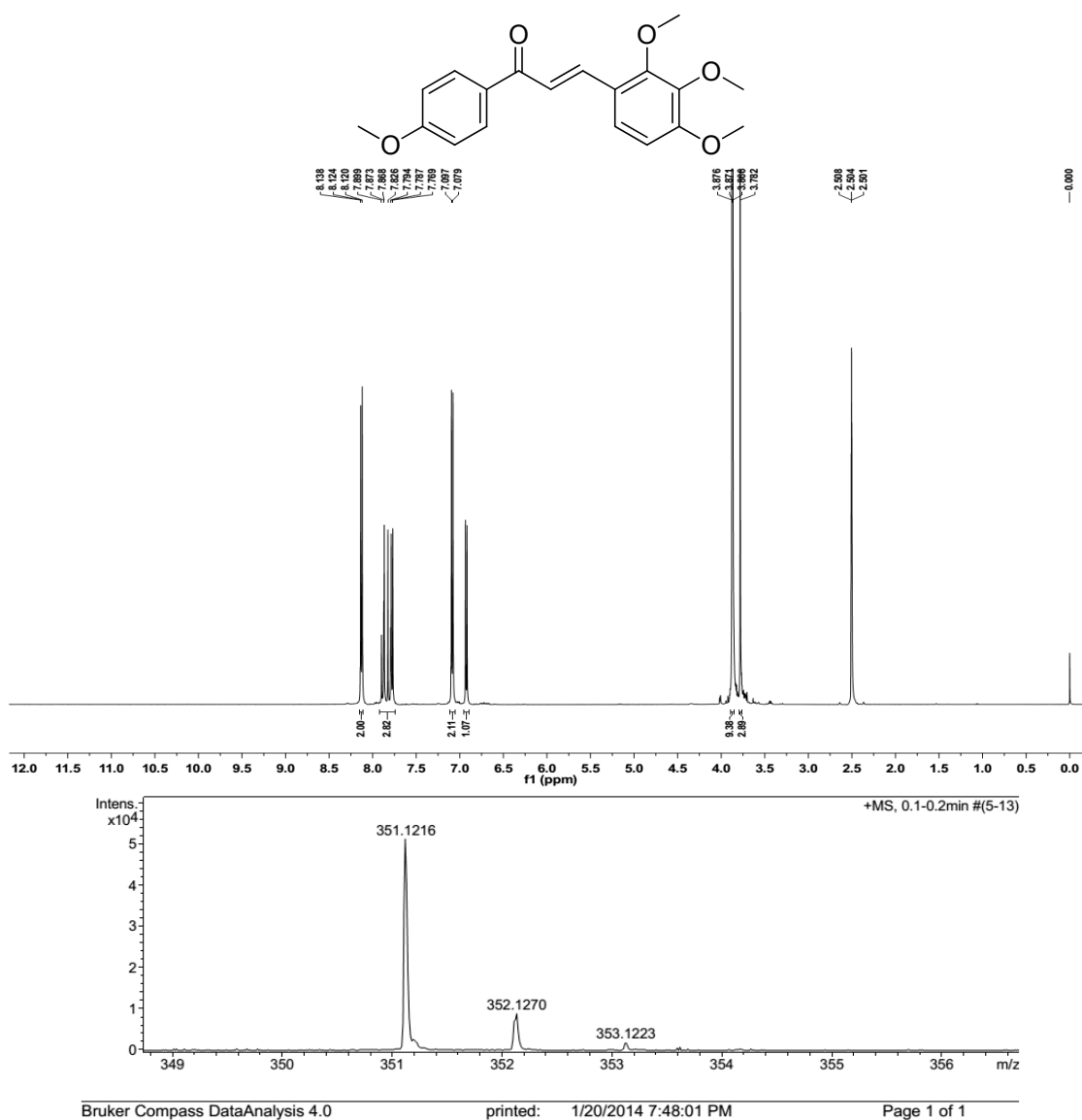


(E)-1-(4-Methoxyphenyl)-3-(3-(benzyloxy)-4-methoxyphenyl)prop-2-en-1-one (**a17**)

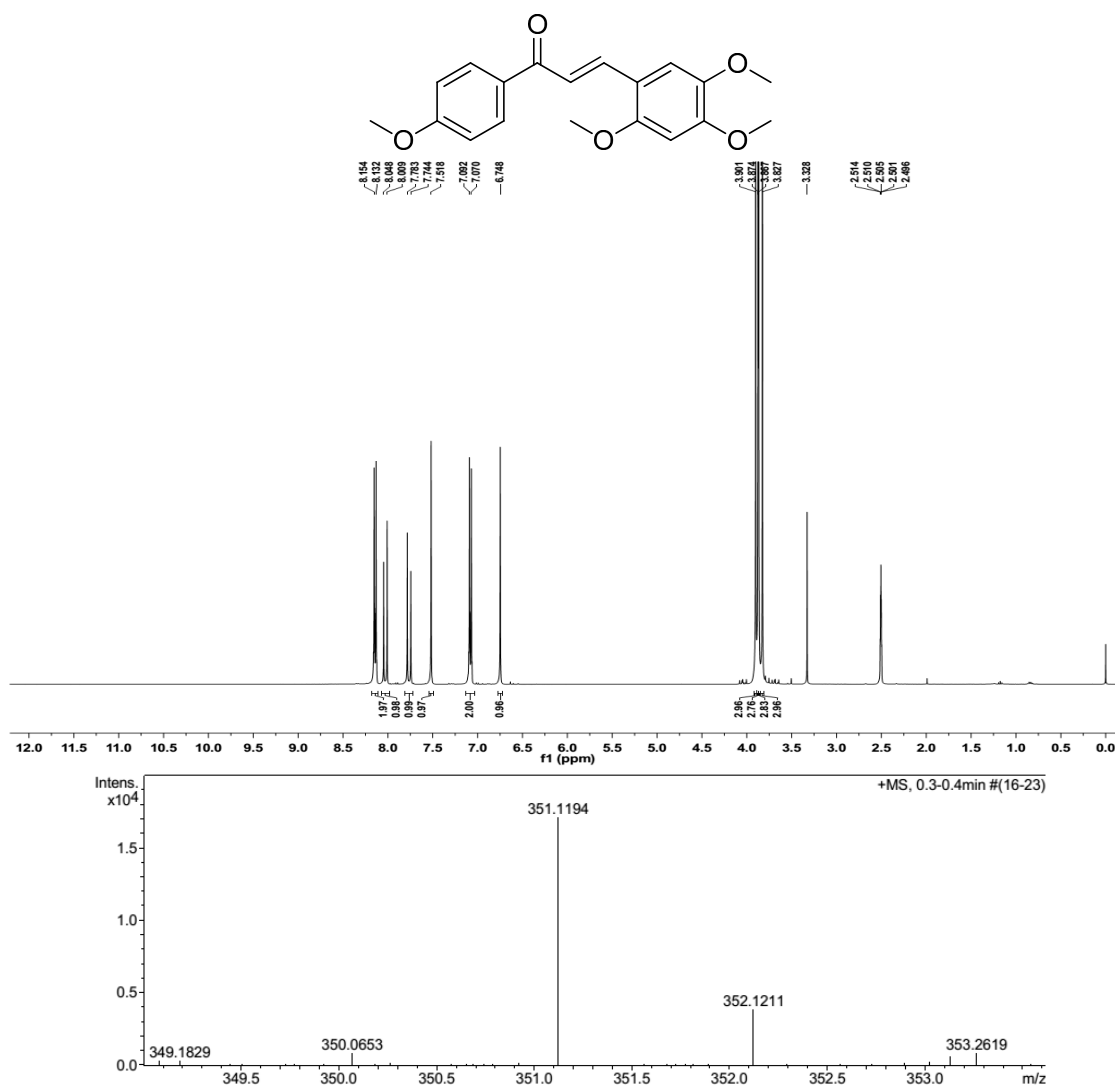




(E)-1-(4-Methoxyphenyl)-3-(2,3,4-trimethoxyphenyl)prop-2-en-1-one (**a18**)



(E)-1-(4-Methoxyphenyl)-3-(2,4,5-trimethoxyphenyl)prop-2-en-1-one (**a19**)

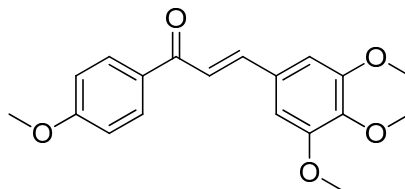


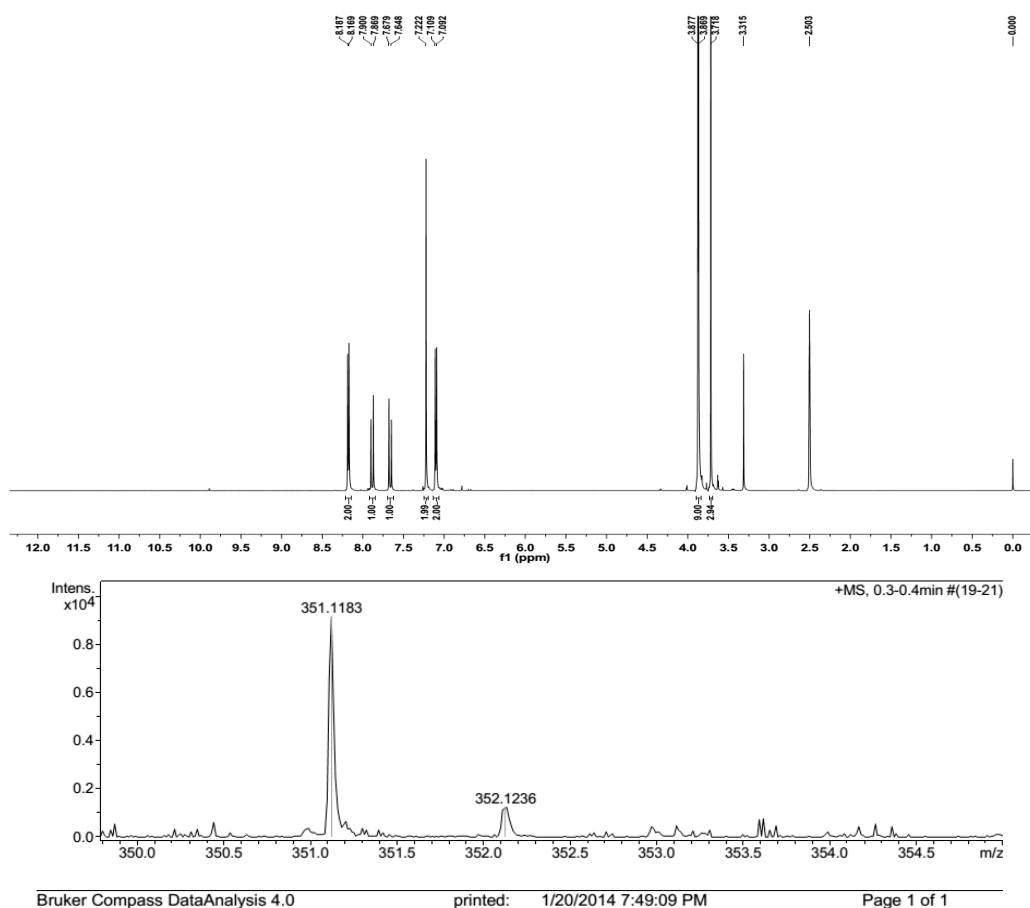
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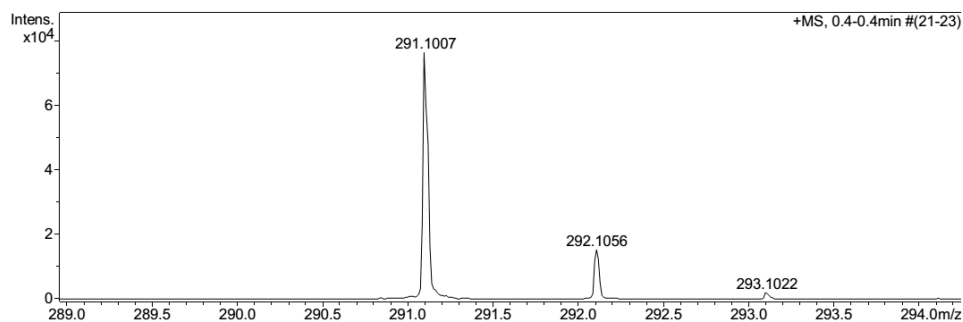
(E)-1-(4-Methoxyphenyl)-3-(3,4,5-trimethoxyphenyl)prop-2-en-1-one (**a20**)





(*E*)-1-Phenyl-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b1**)



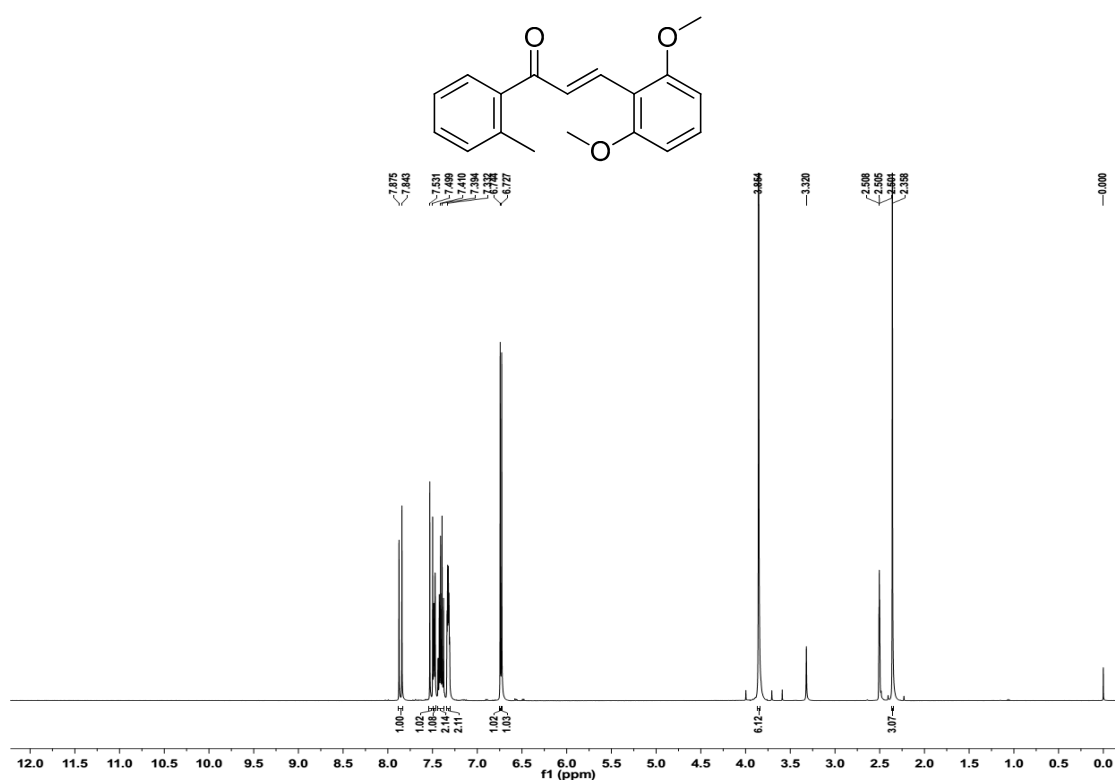


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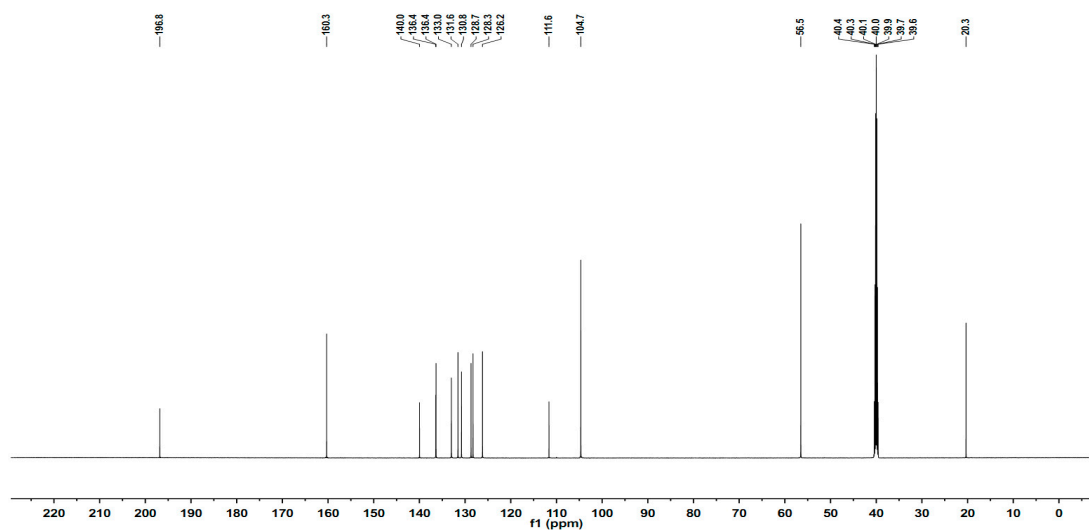
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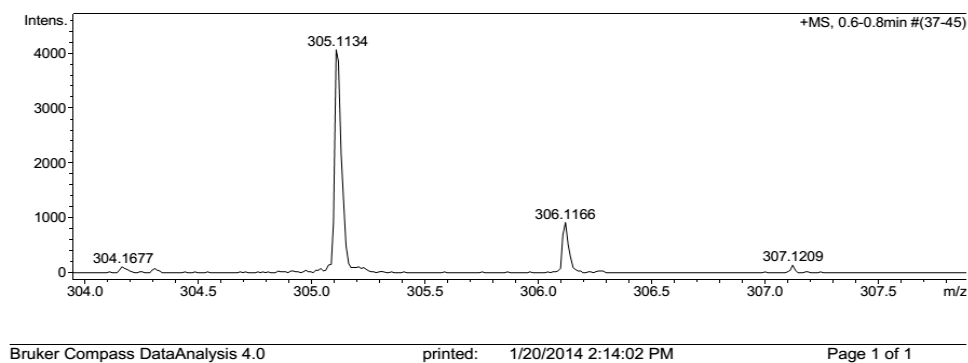
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(E)-1-(2-Methylphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b2**)

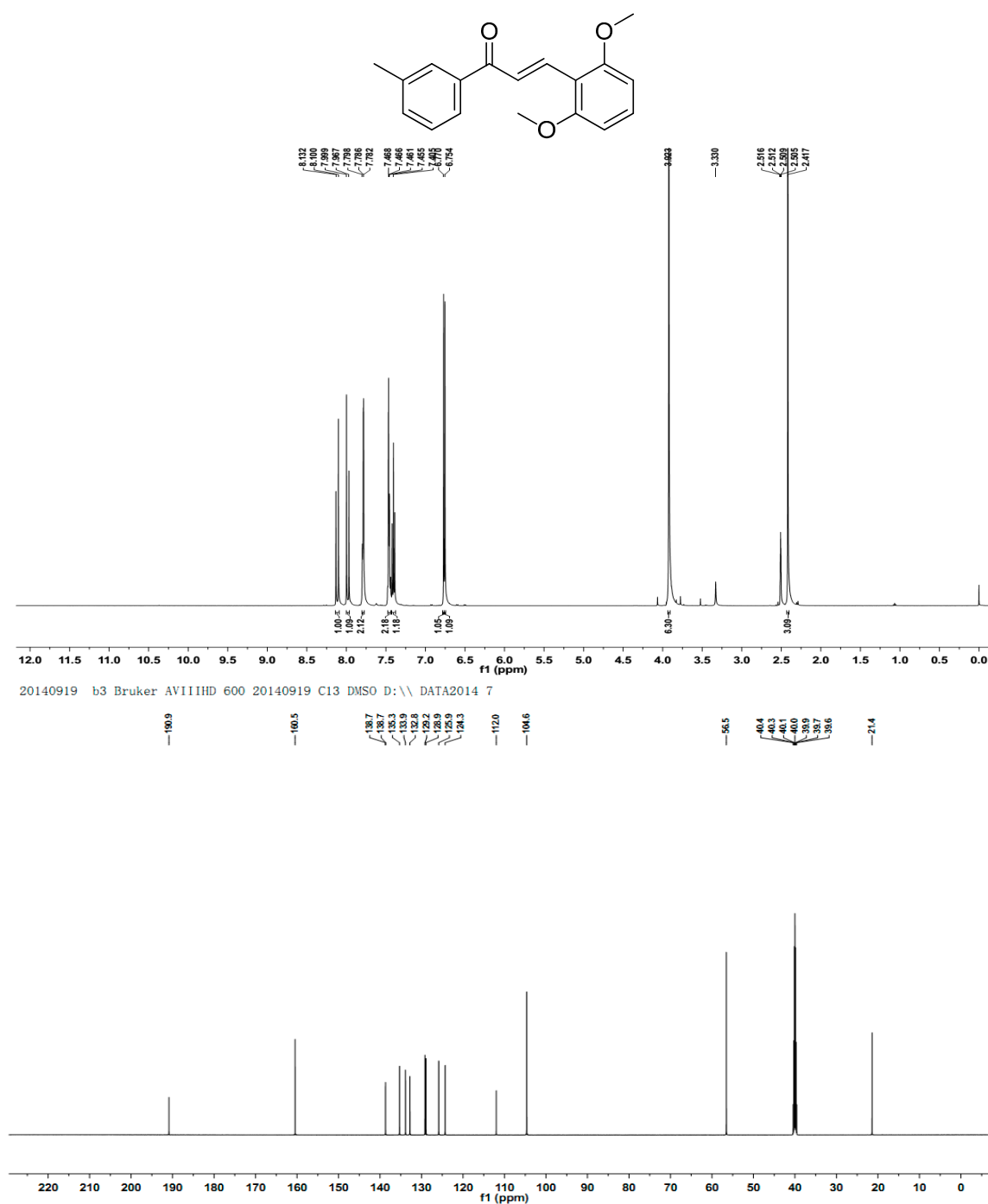


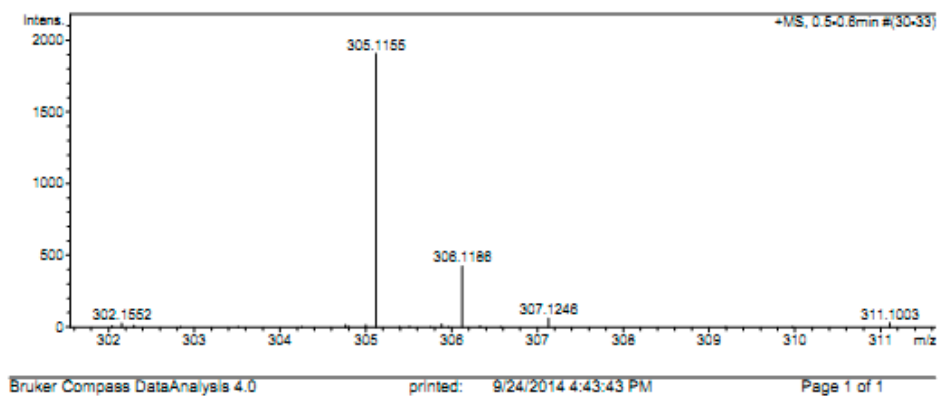
20140919 b2 Bruker AVIIIHD 600 20140919 C13 DMSO D:\ DATA2014 6



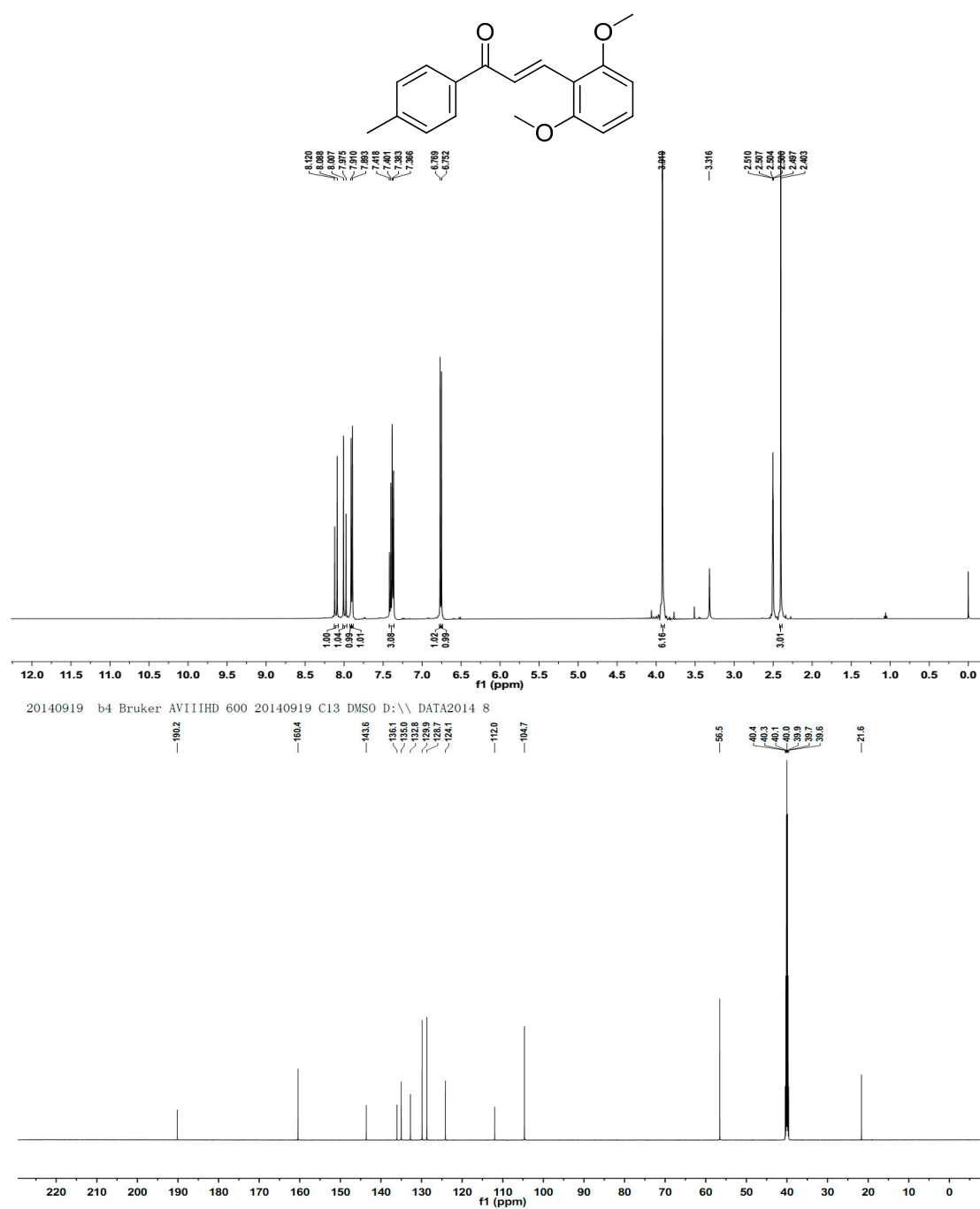


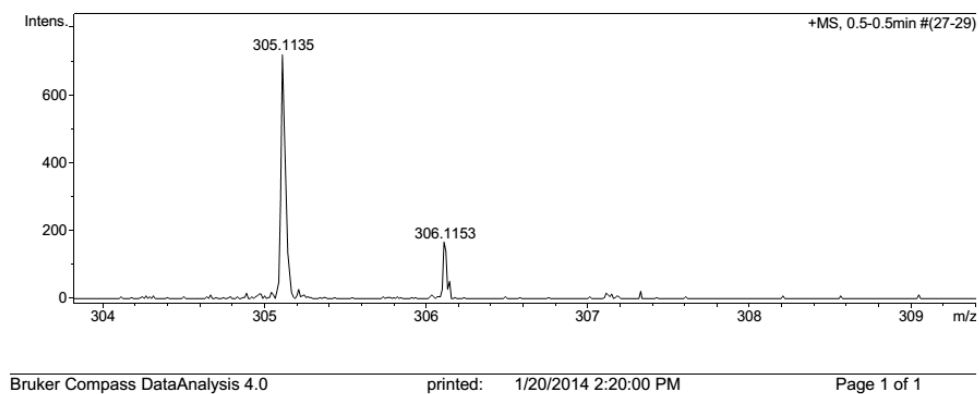
(*E*)-1-(3-Methylphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b3**)



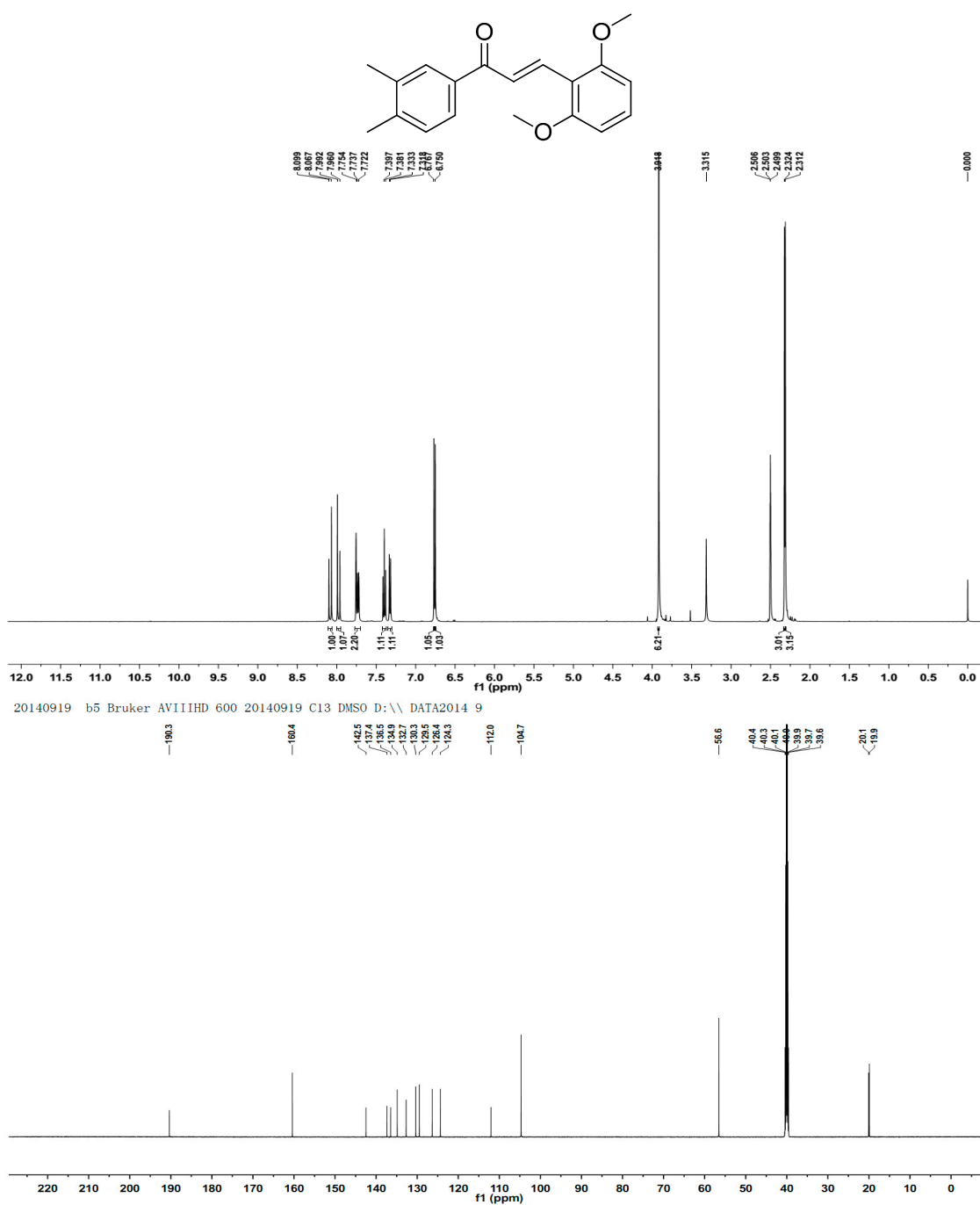


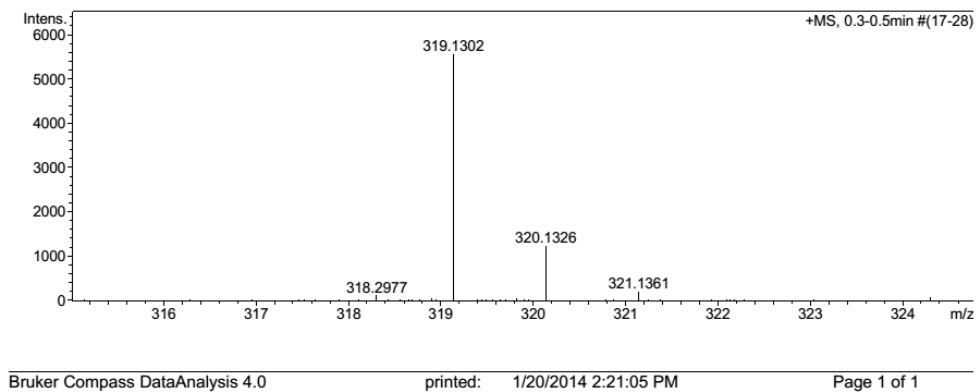
(E)-1-(4-Methylphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b4**)



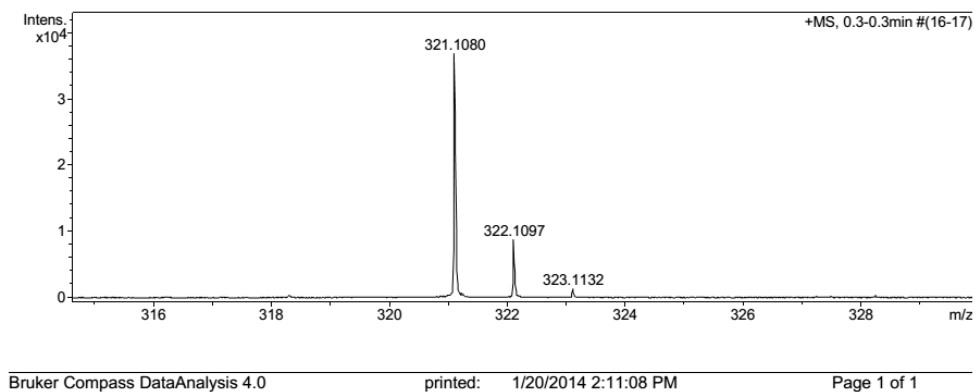
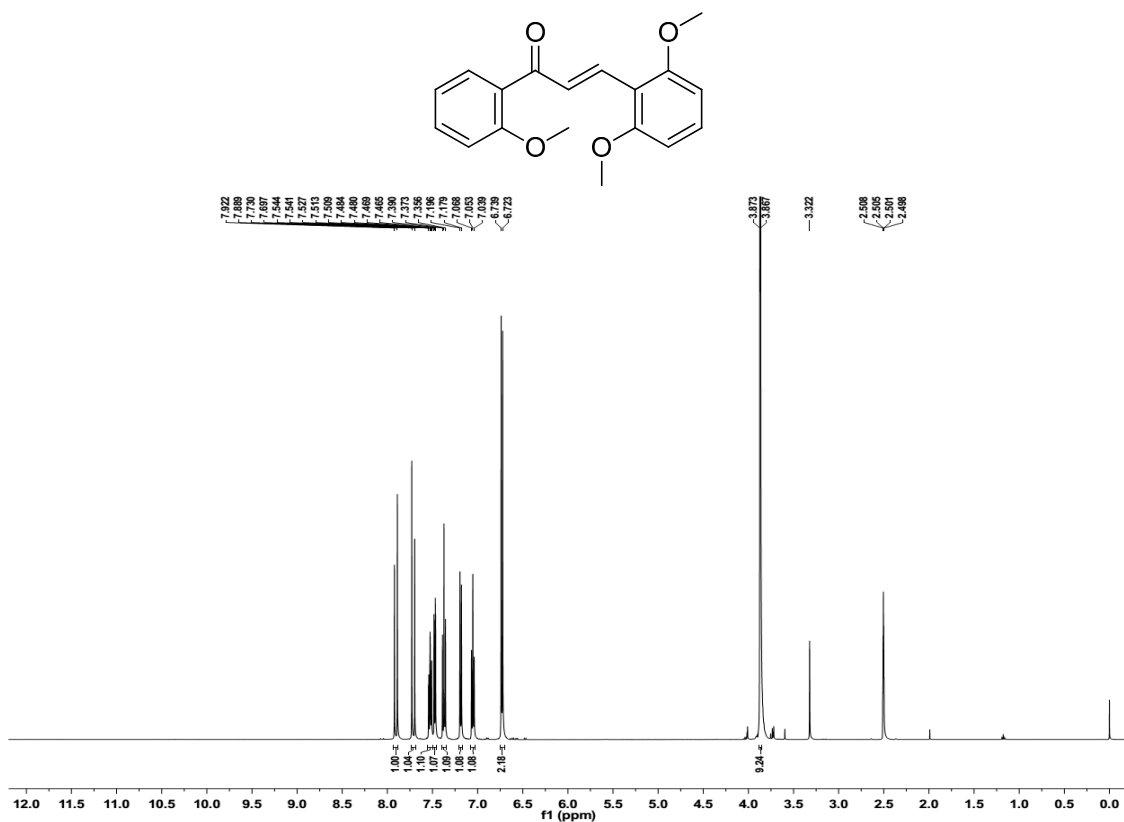


(E)-1-(3,4-Dimethylphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b5**)

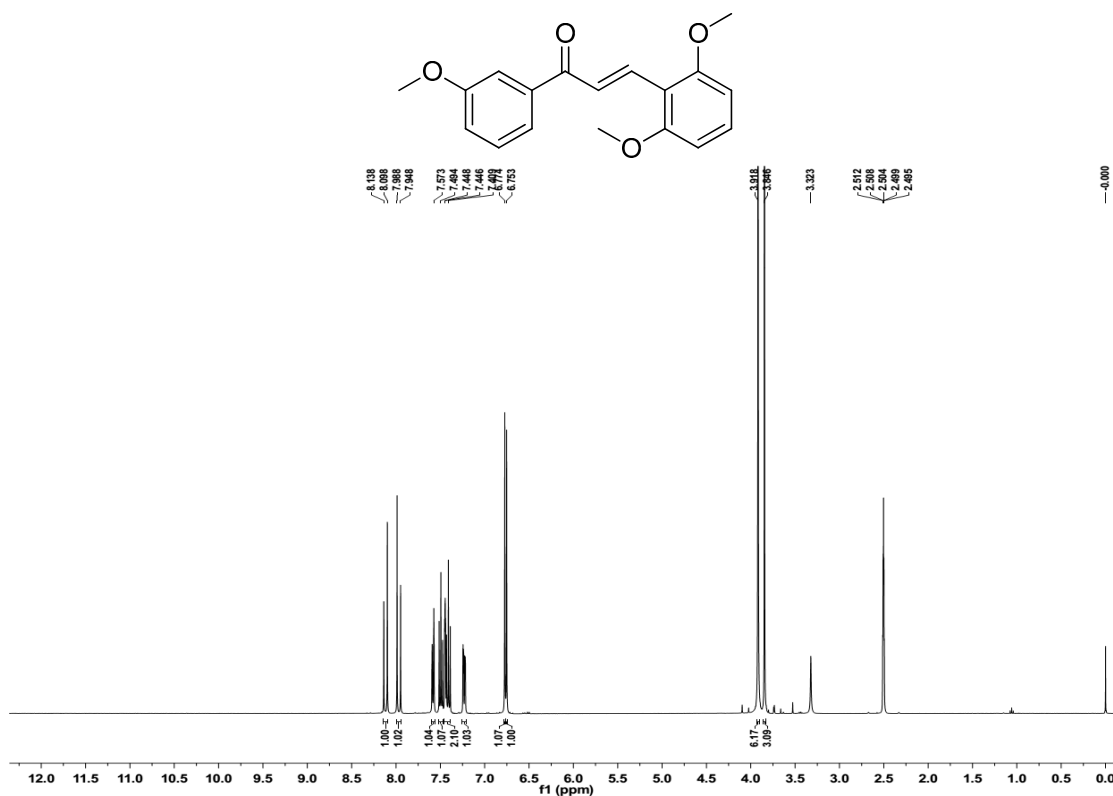




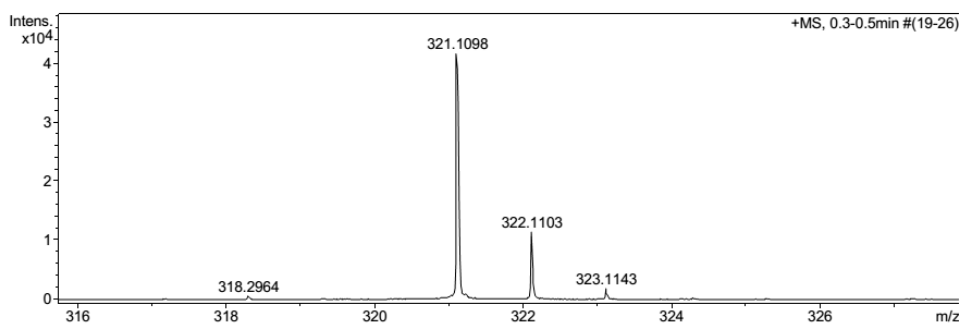
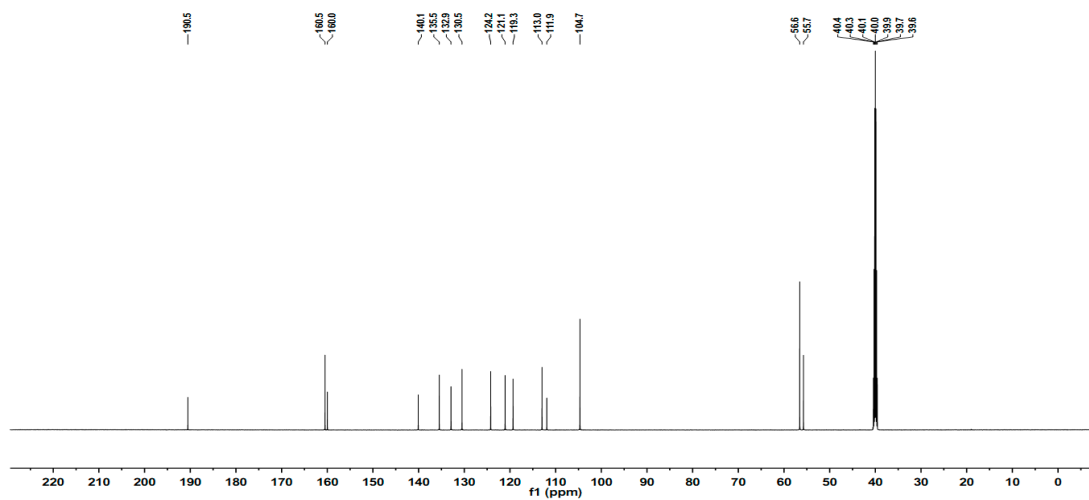
(E)-1-(2-Methoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b6**)



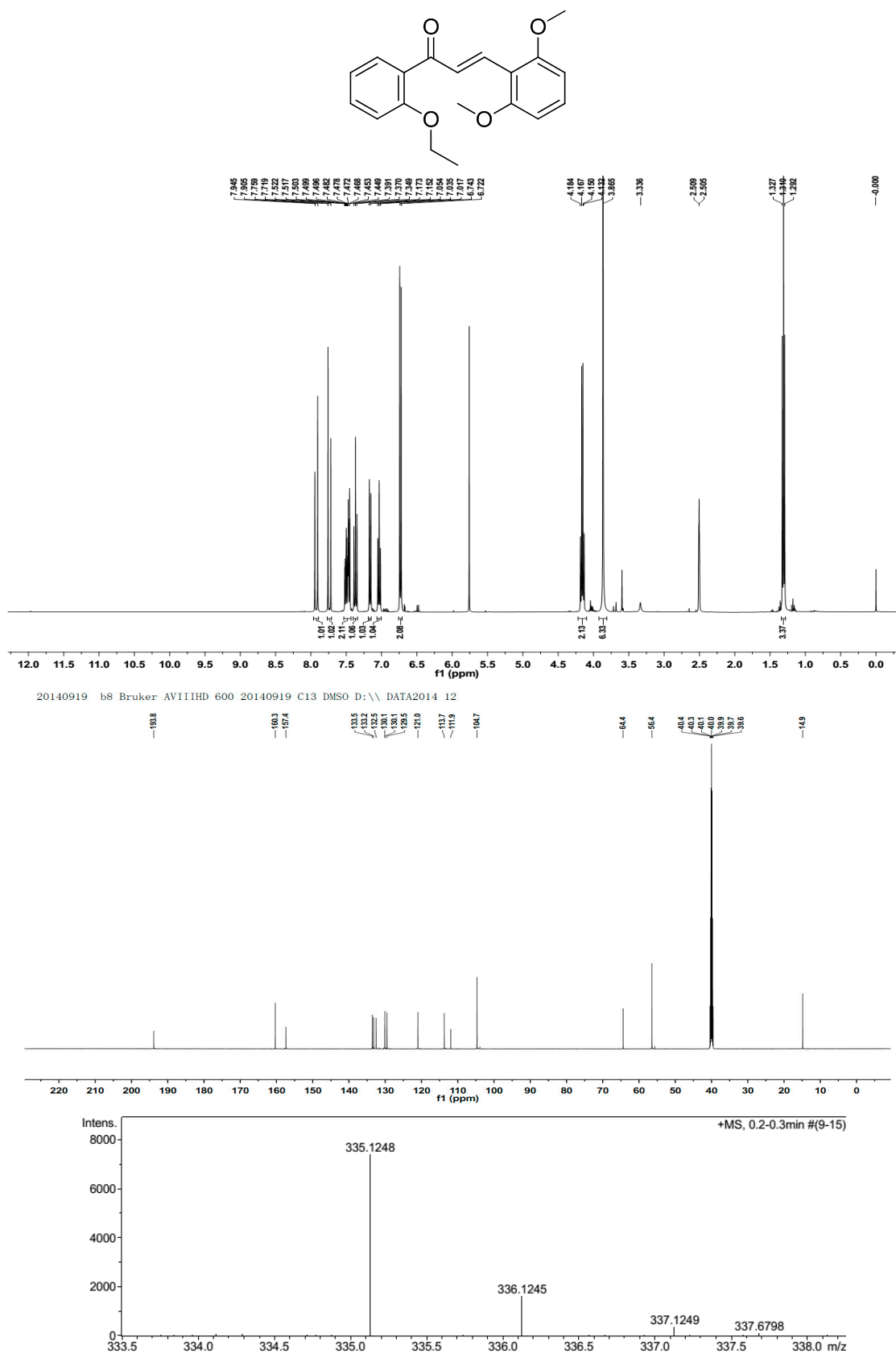
(E)-1-(3-Methoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b7**)



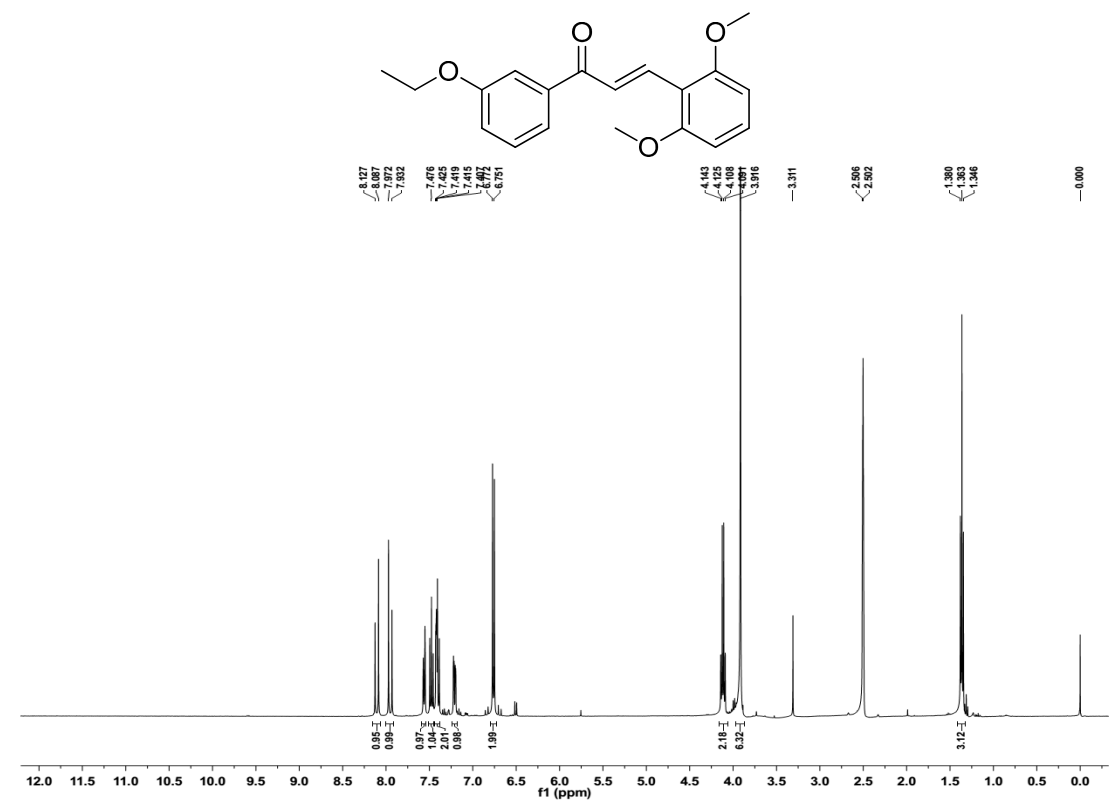
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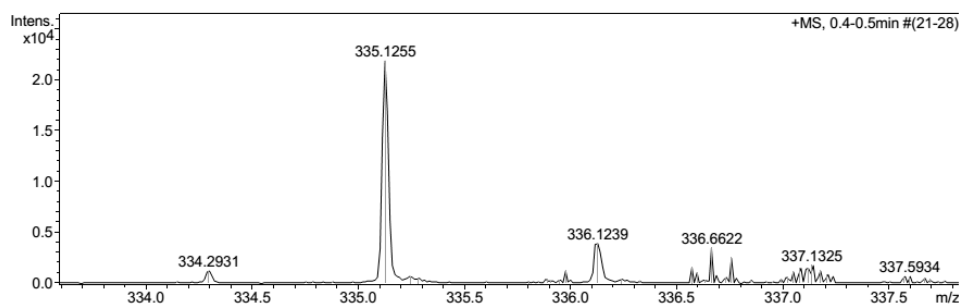
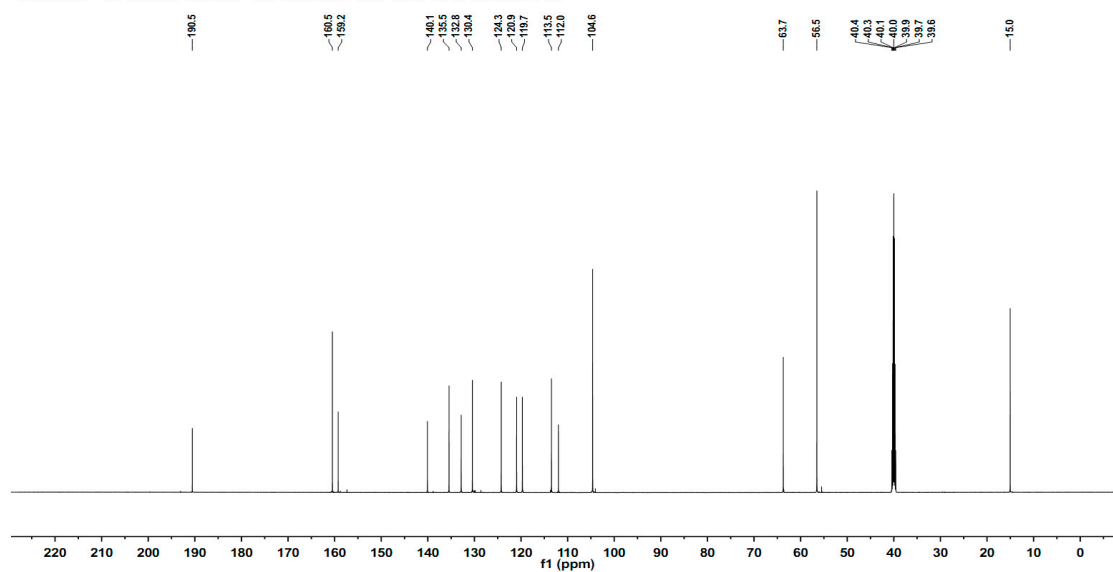
(E)-1-(2-Ethoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (b8)



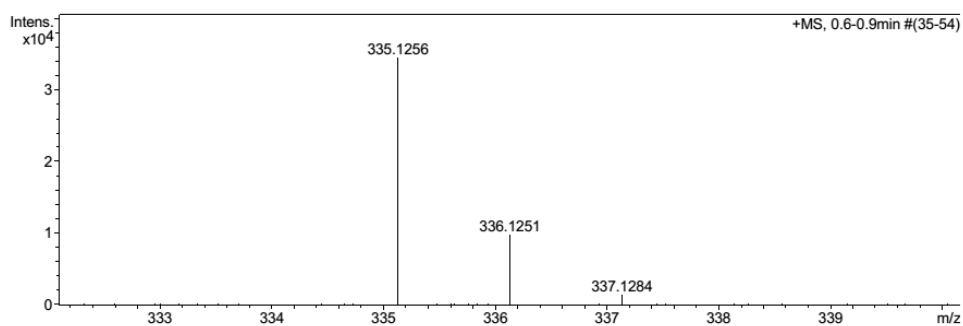
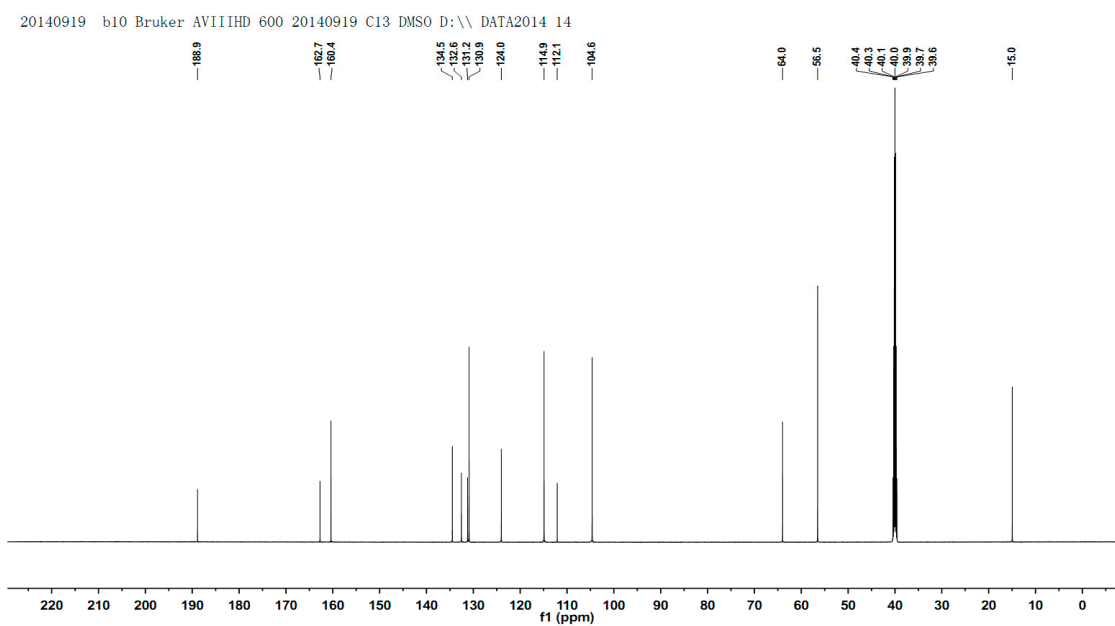
(E)-1-(3-Ethoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b9**)



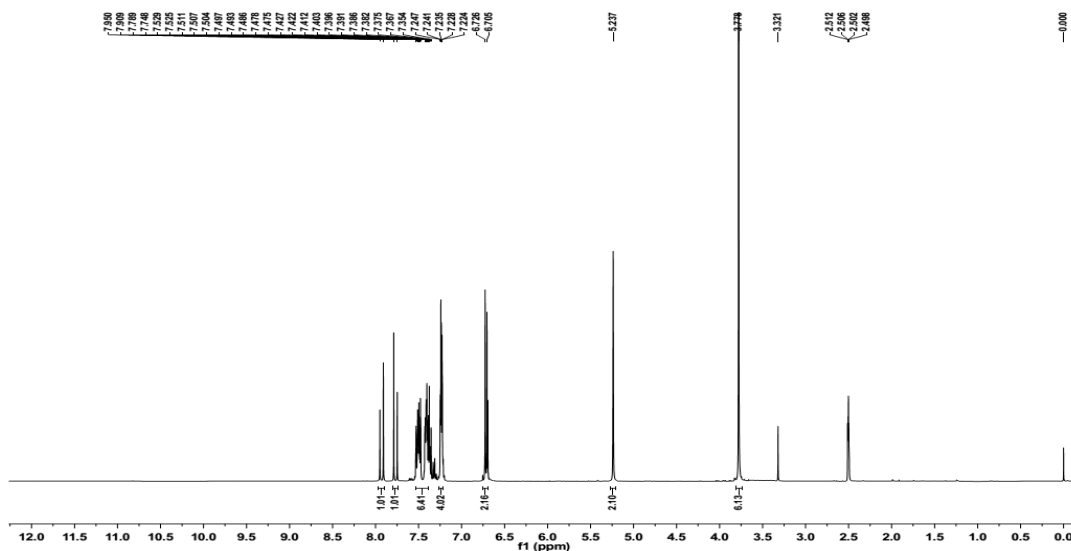
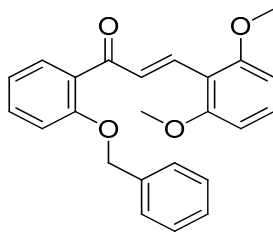
20140919 b9 Bruker AVIIHD 600 20140919 C13 DMSO D:\ DATA2014 13



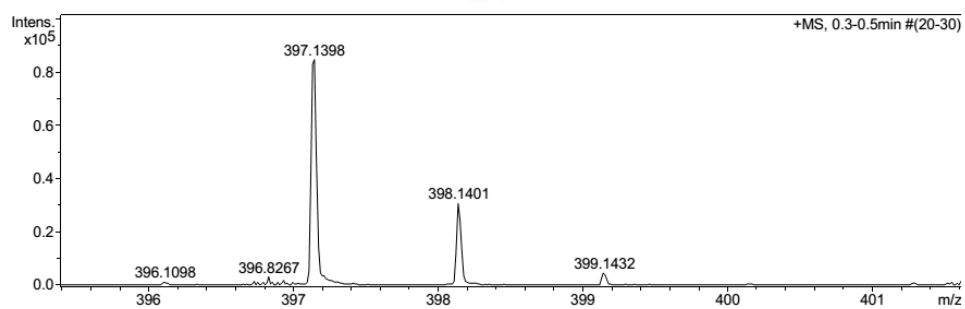
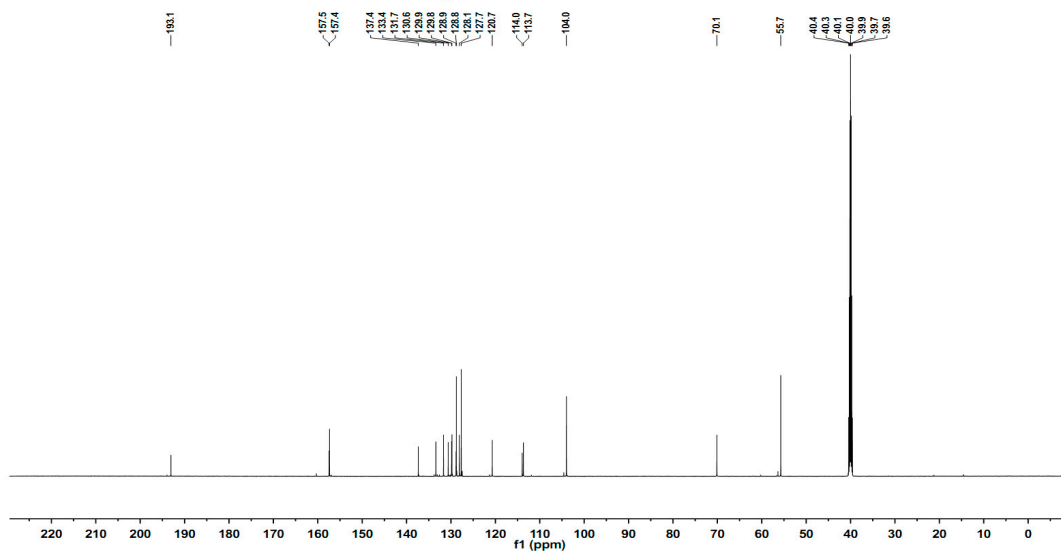
(E)-1-(4-Ethoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b10**)



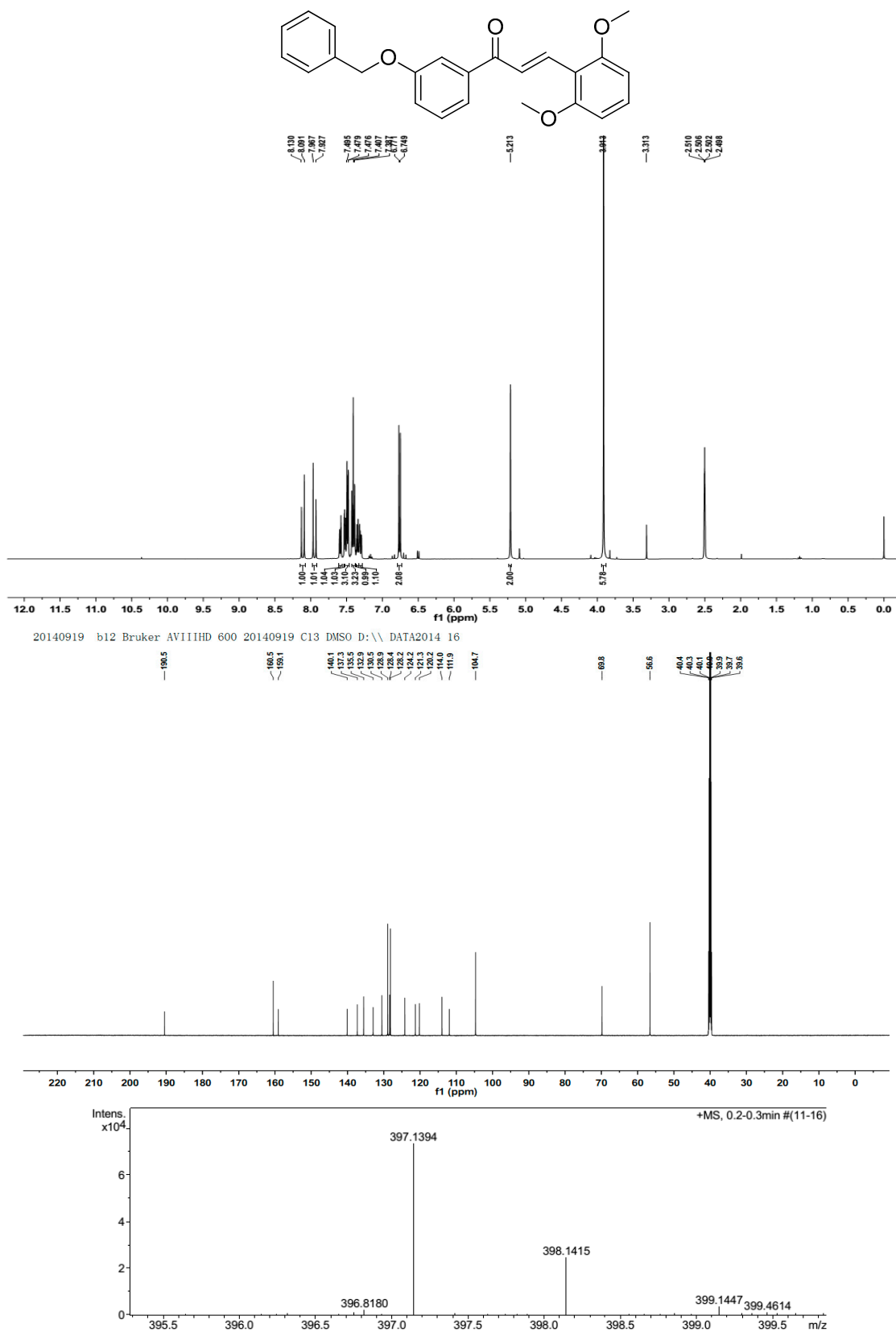
(E)-1-(2-(Benzyloxy)phenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b11**)



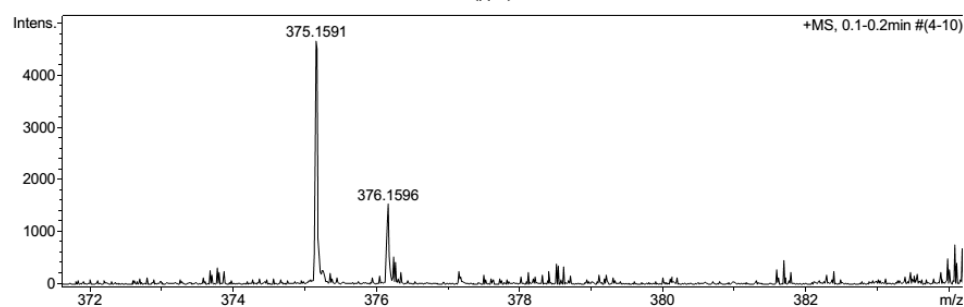
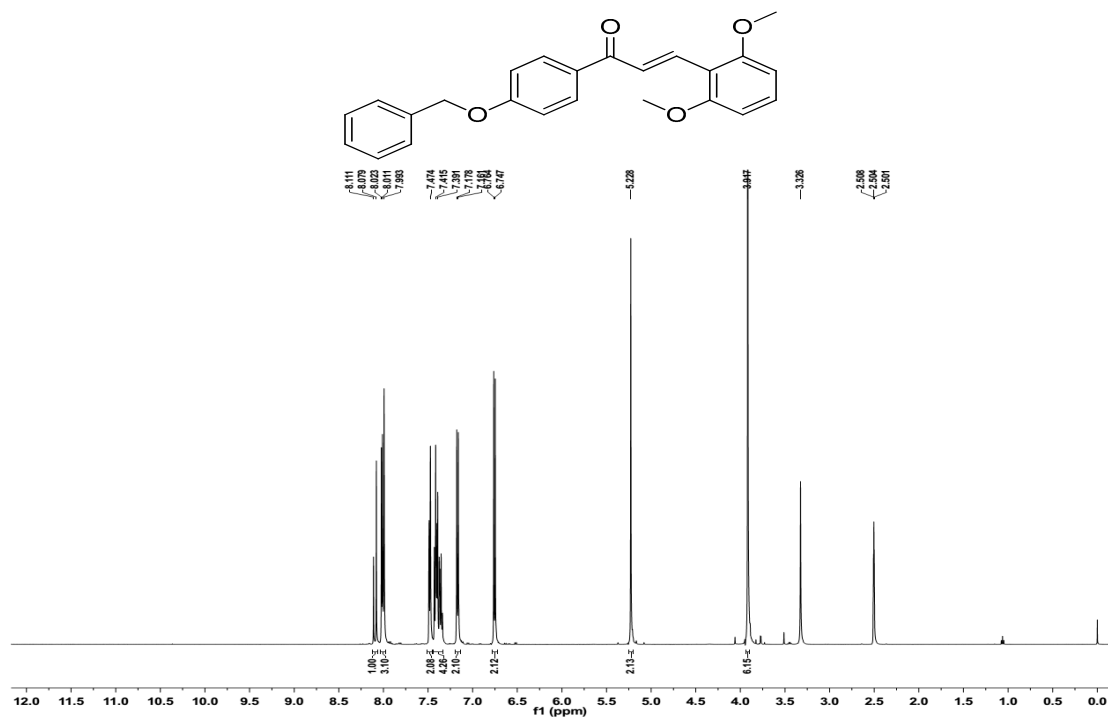
20140919 b11 Bruker AVIIIHD 600 20140919 C13 DMSO D:\ DATA2014 15



(E)-1-(3-(Benzyloxy)phenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b12**)



(E)-1-(4-(Benzyloxy)phenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b13**)

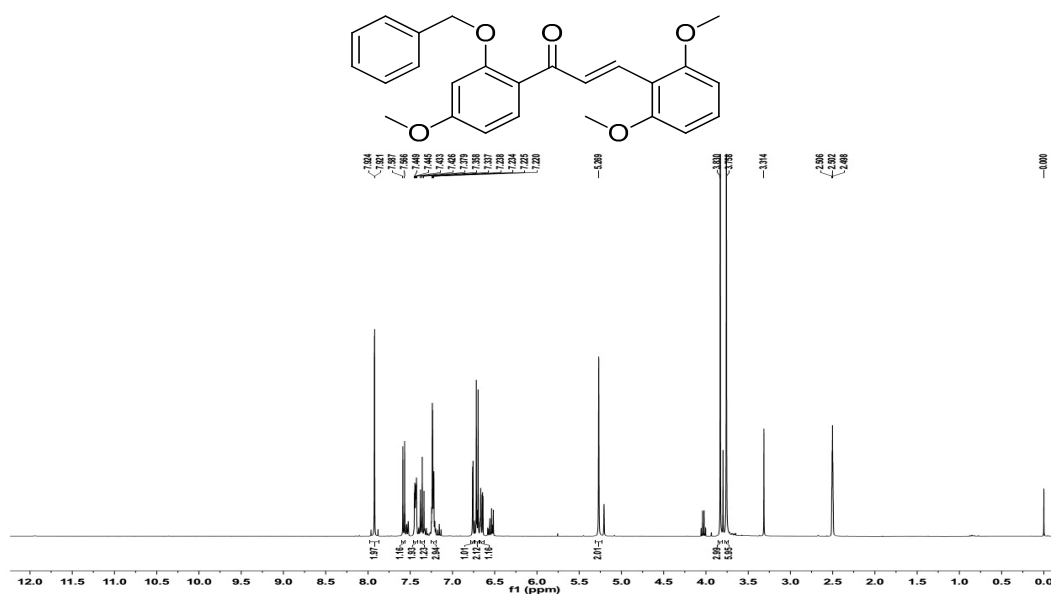


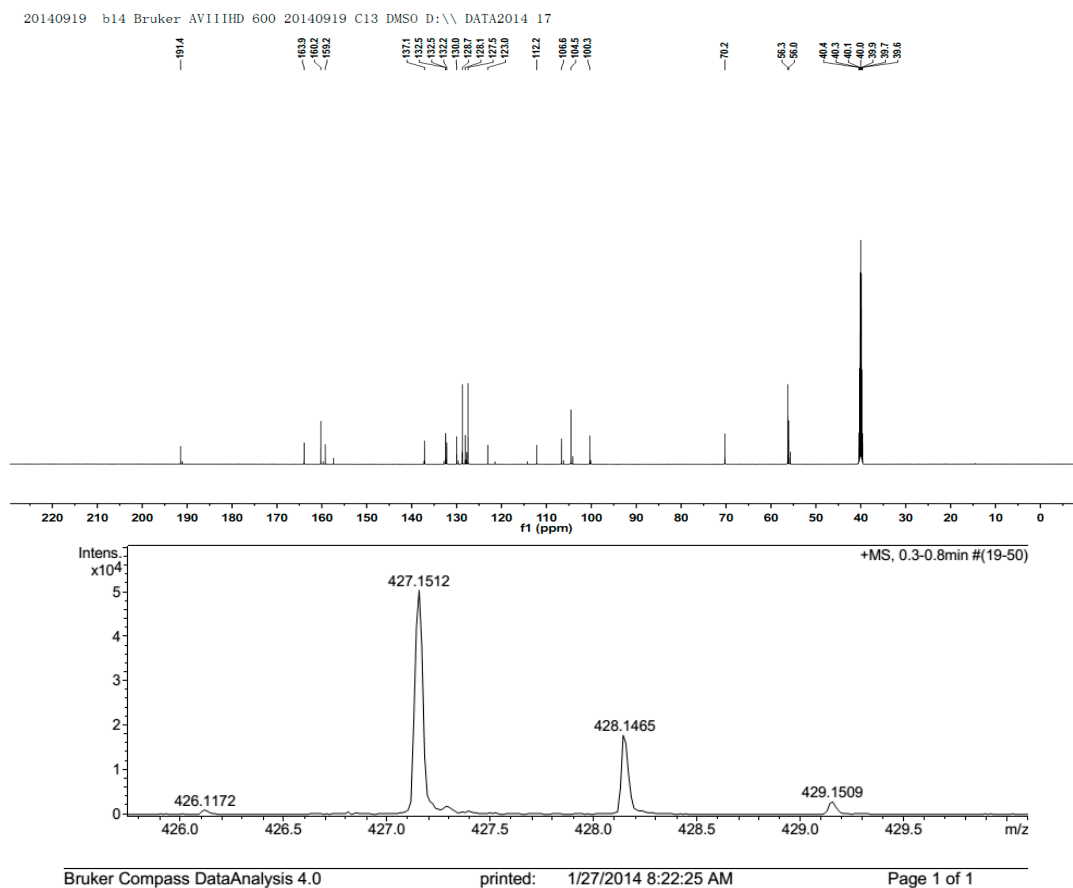
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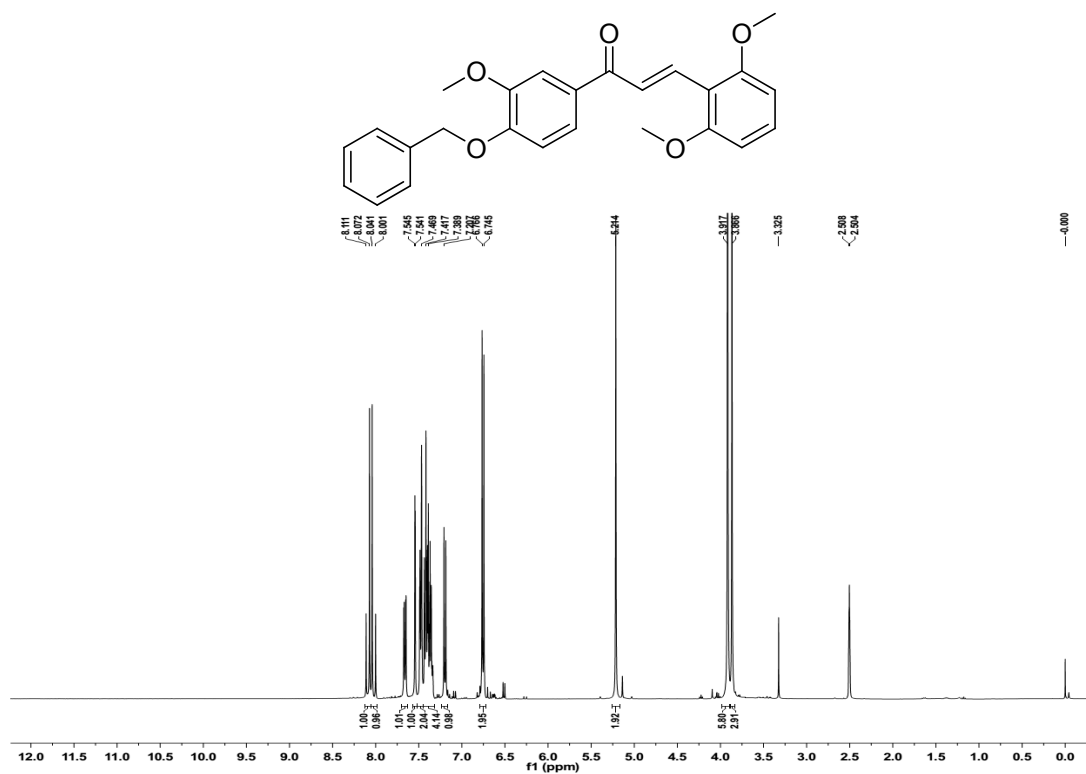
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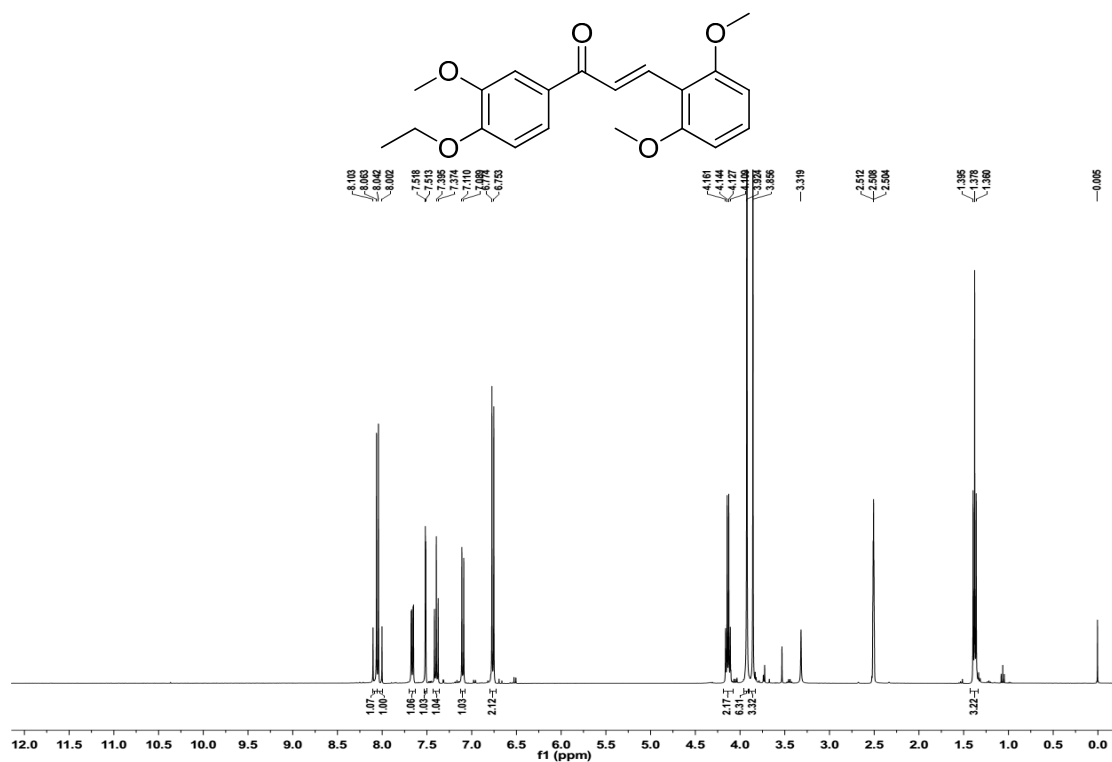
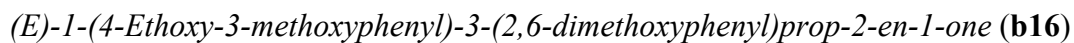
(E)-1-(2-(Benzyloxy)-4-methoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b14**)

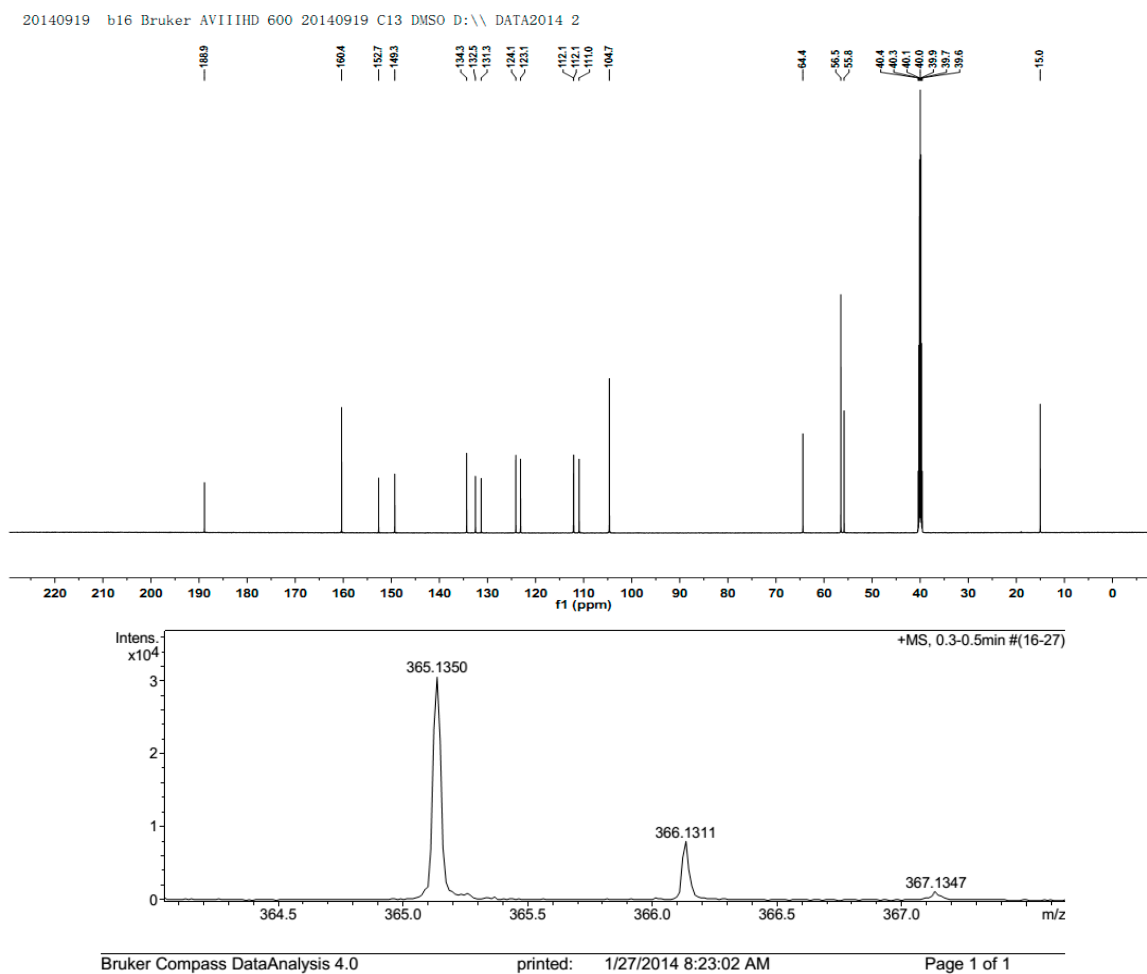




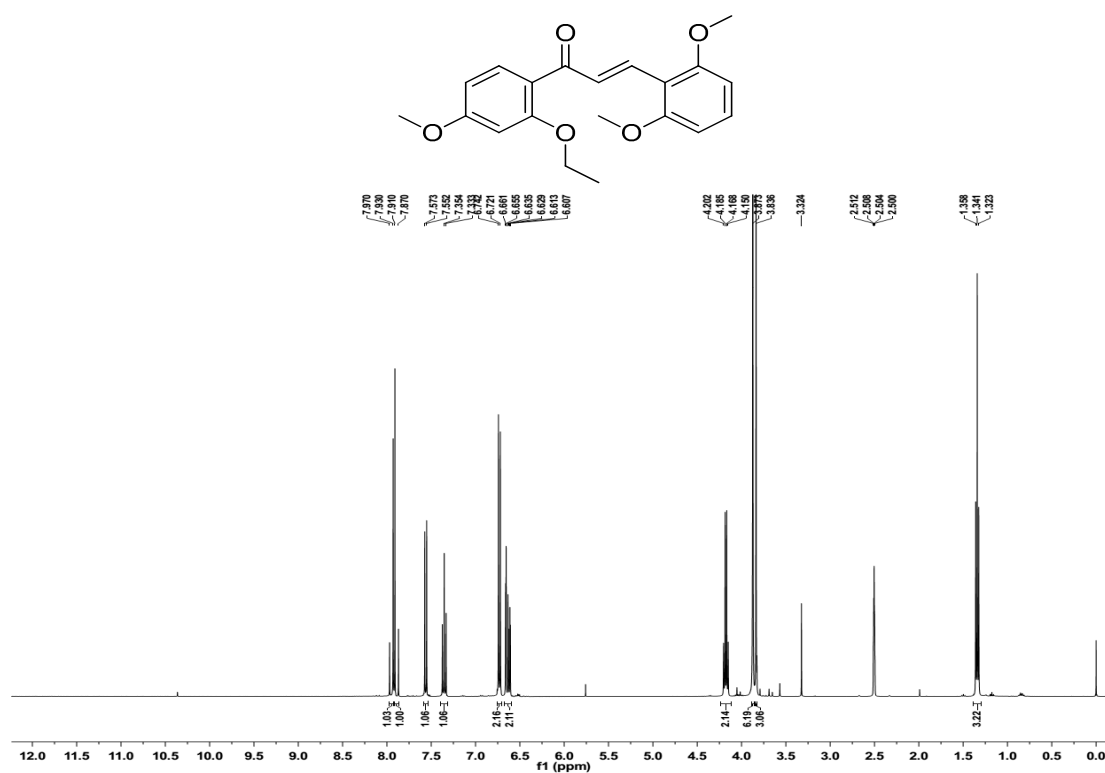
(E)-1-(4-(Benzyloxy)-3-methoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b15**)

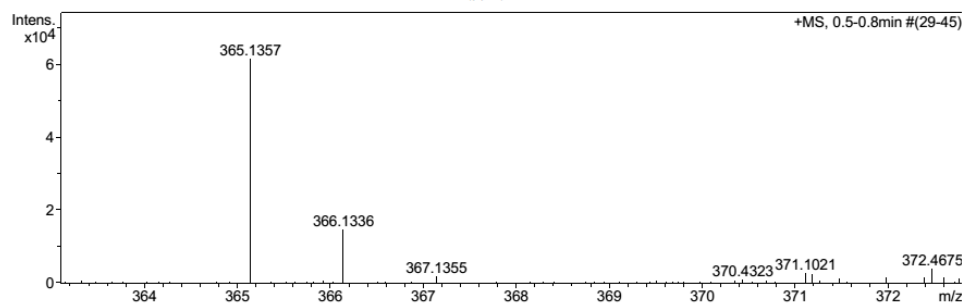




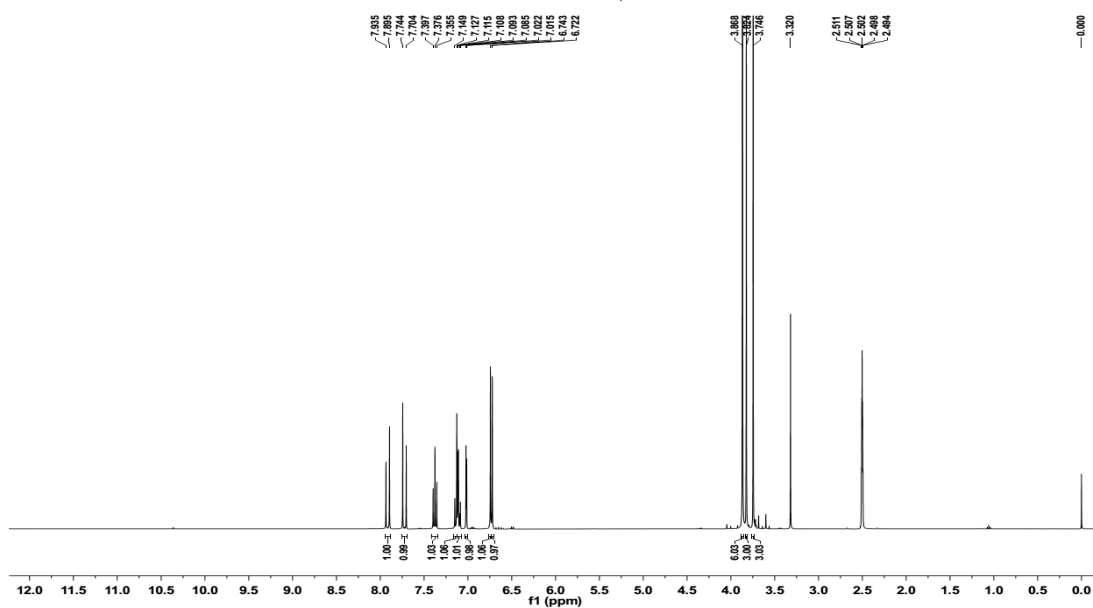


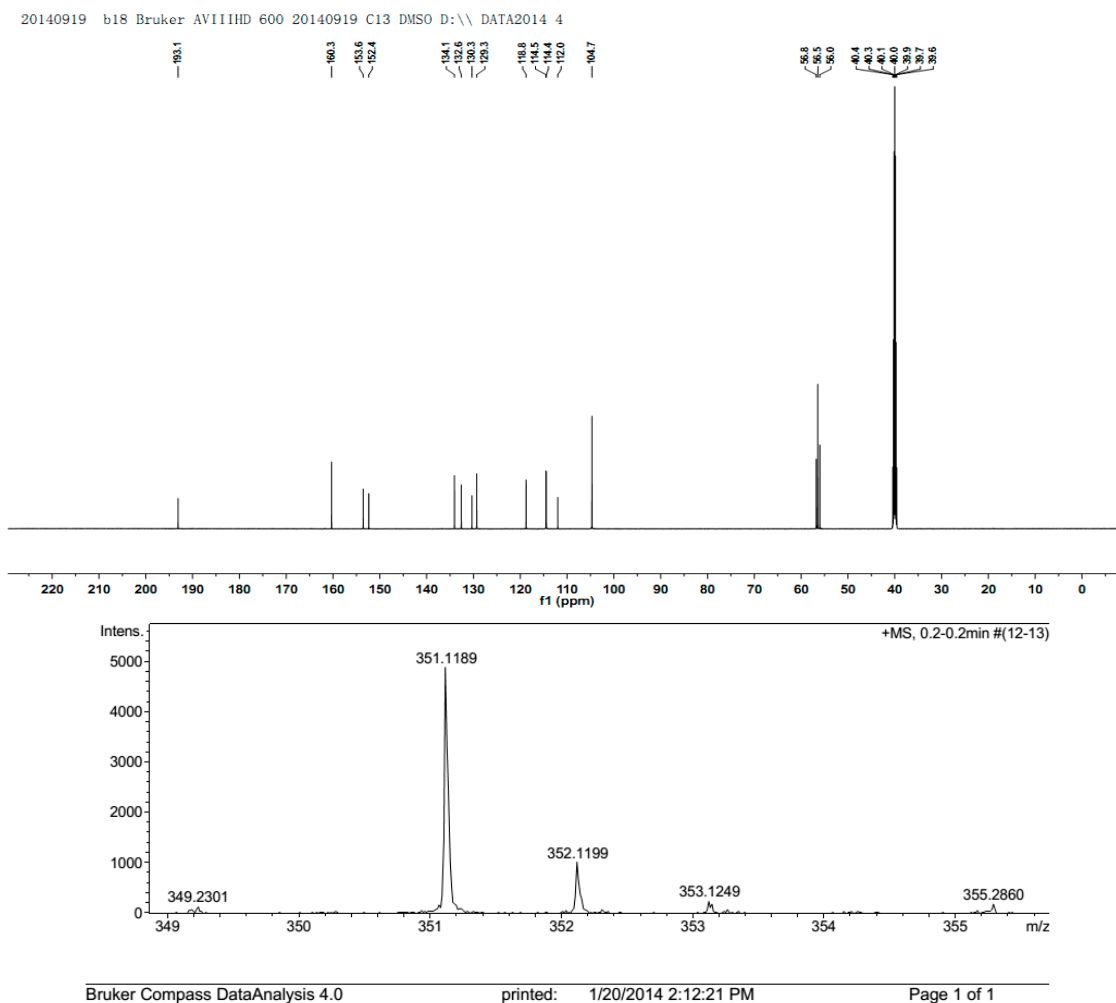
(*E*)-1-(2-Ethoxy-4-methoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b17**)



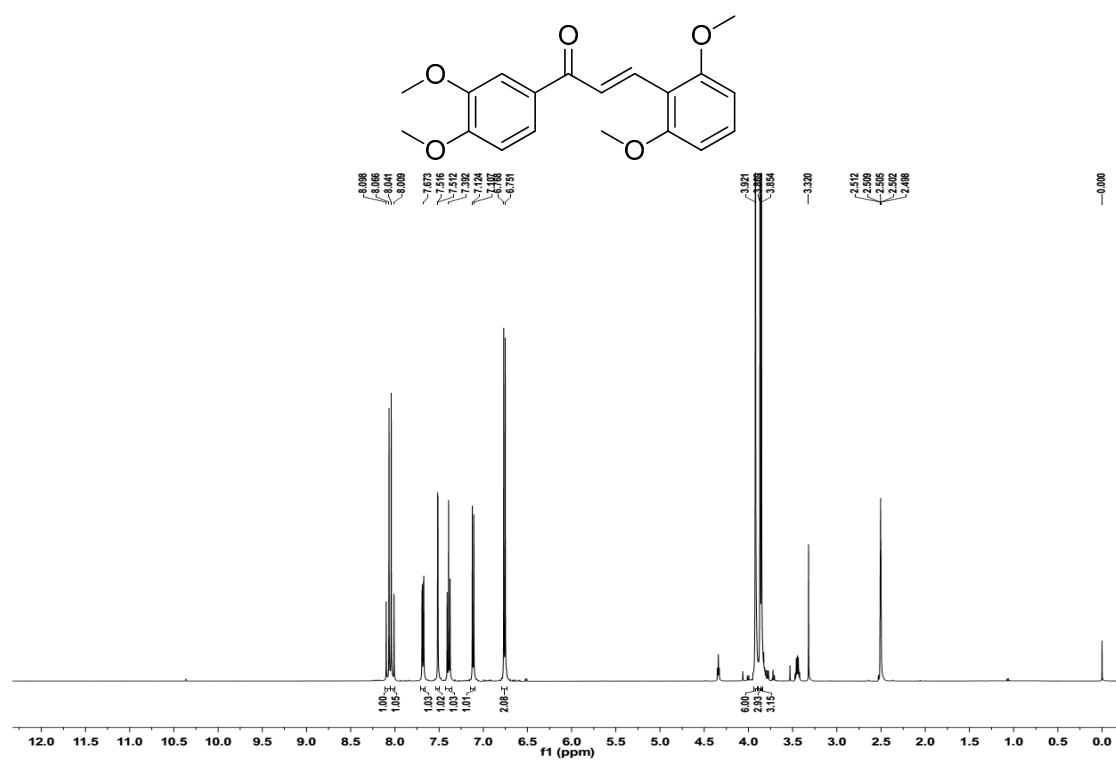


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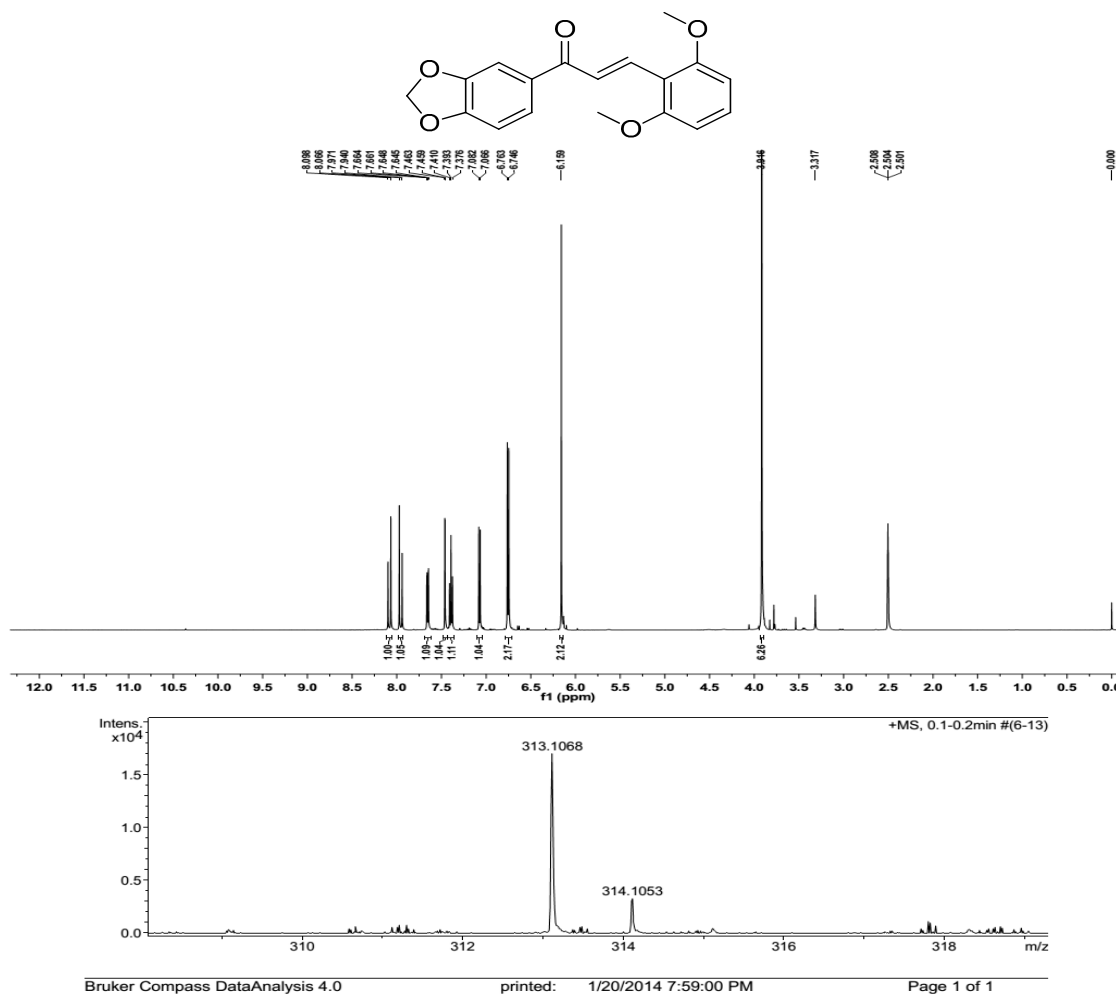
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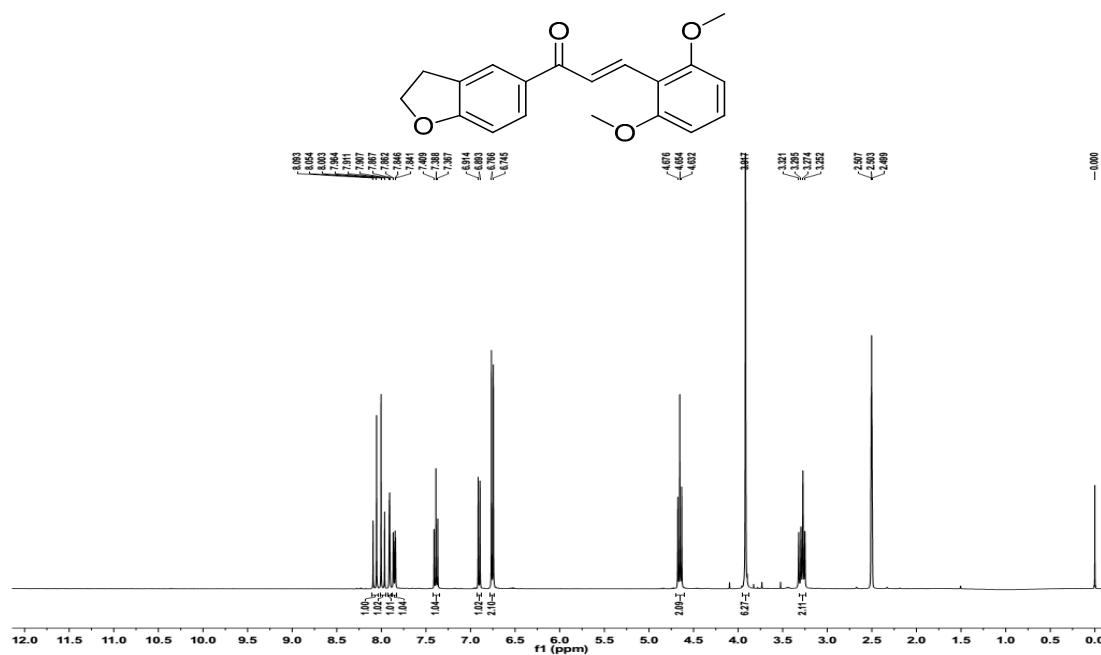
(*E*)-1-(3,4-Dimethoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (b19)

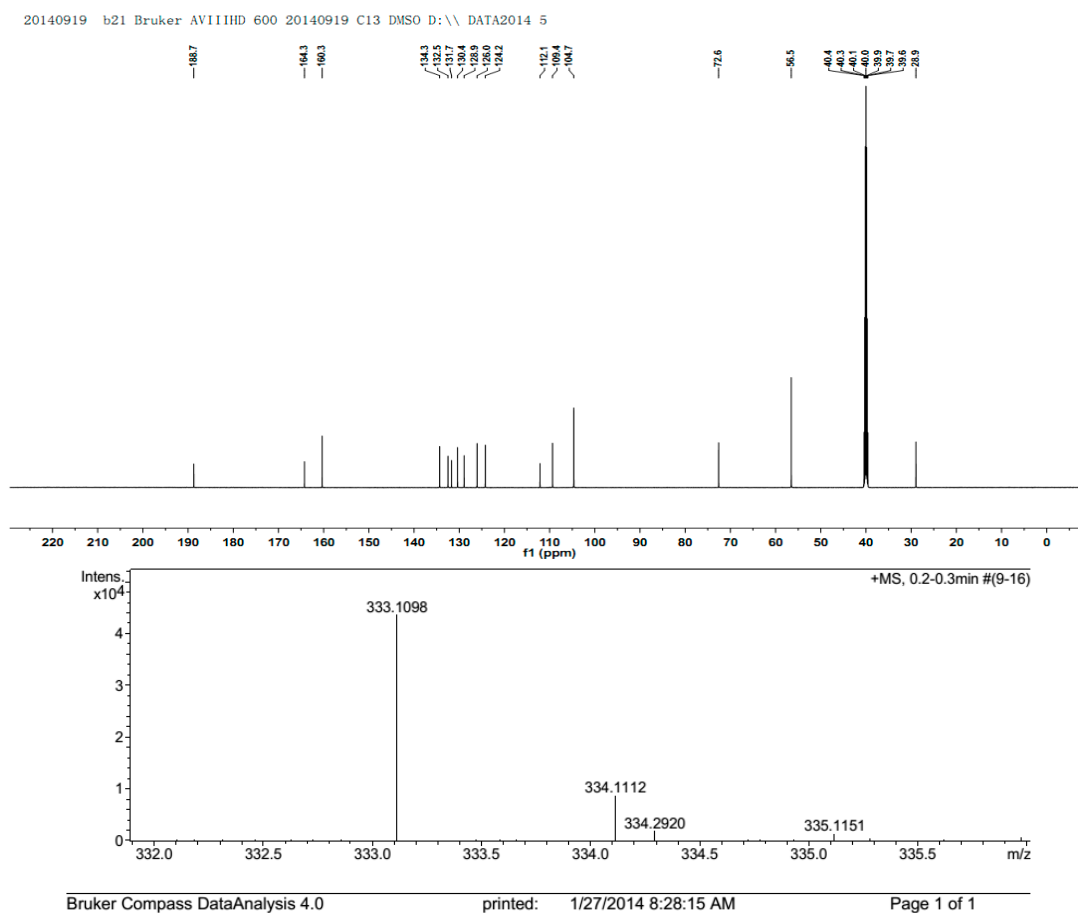


(E)-1-(Benzo[d][1,3]dioxol-5-yl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b20**)

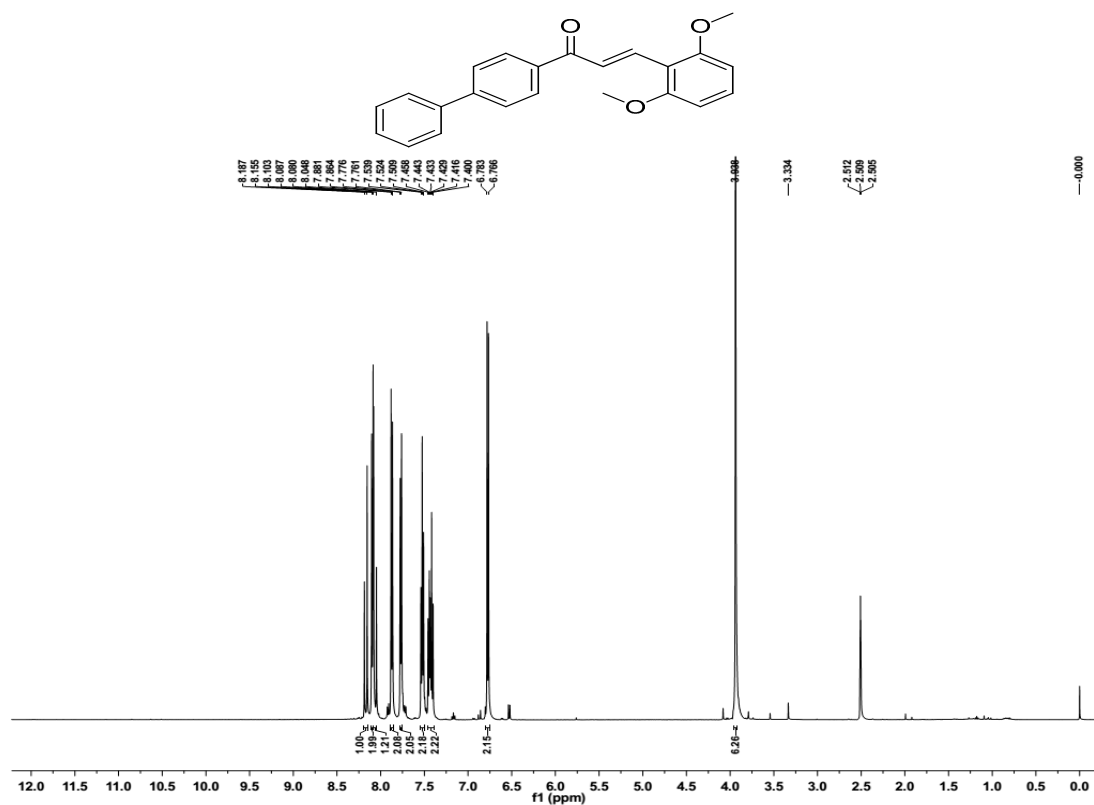


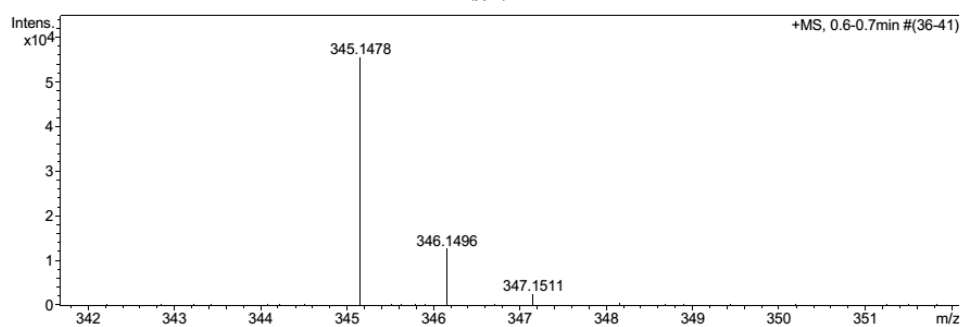
(E)-1-(2,3-Dihydrobenzofuran-5-yl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b21**)



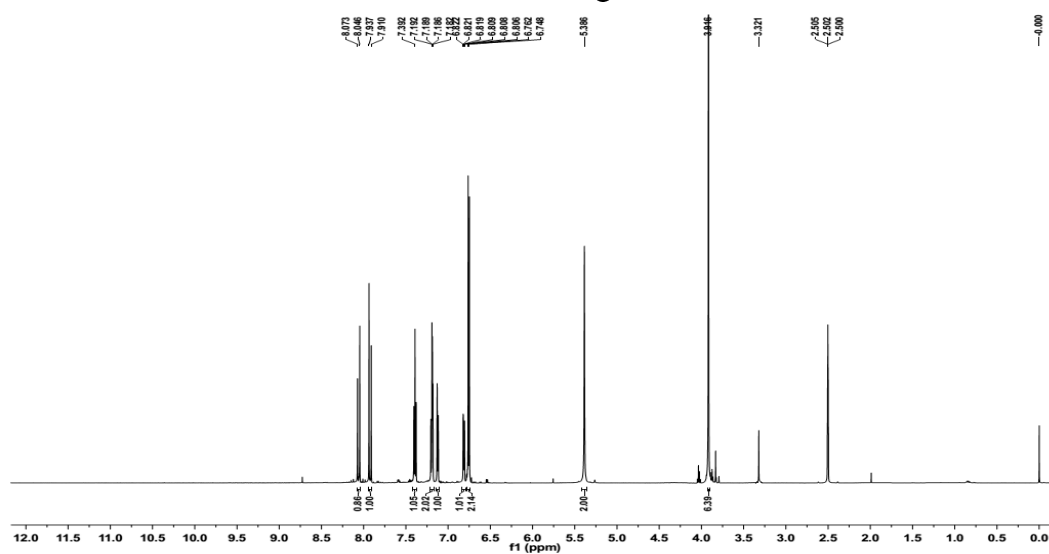


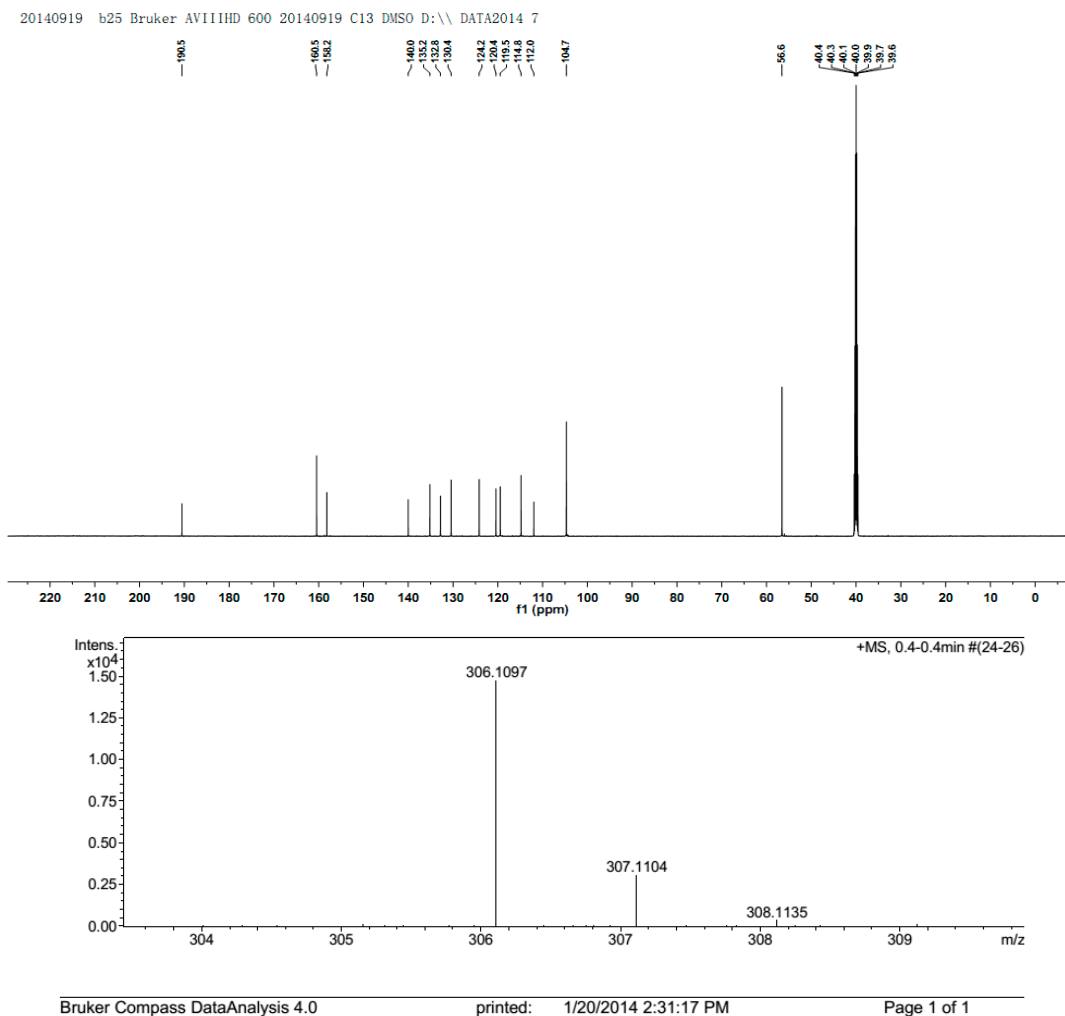
(E)-1-([1,1'-Biphenyl]-4-yl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (b22)



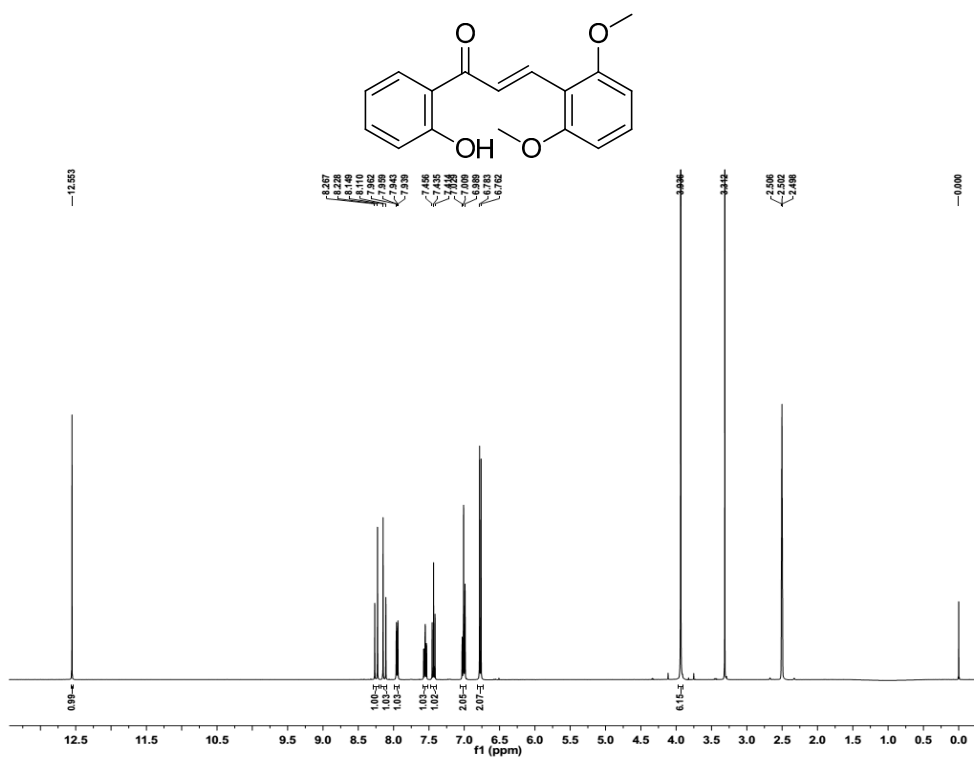


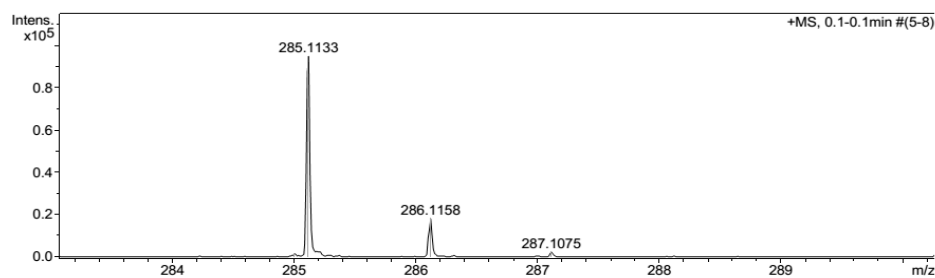
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COc1cc(OC)cc(C=C(C(=O)c2ccc(N)cc2))cc1



(E)-1-(2-Hydroxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b24**)



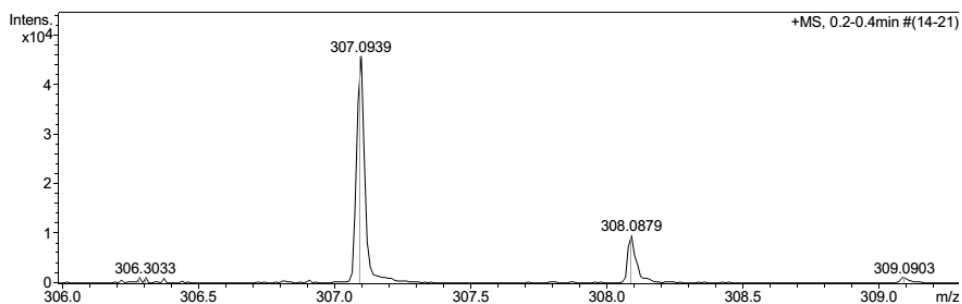
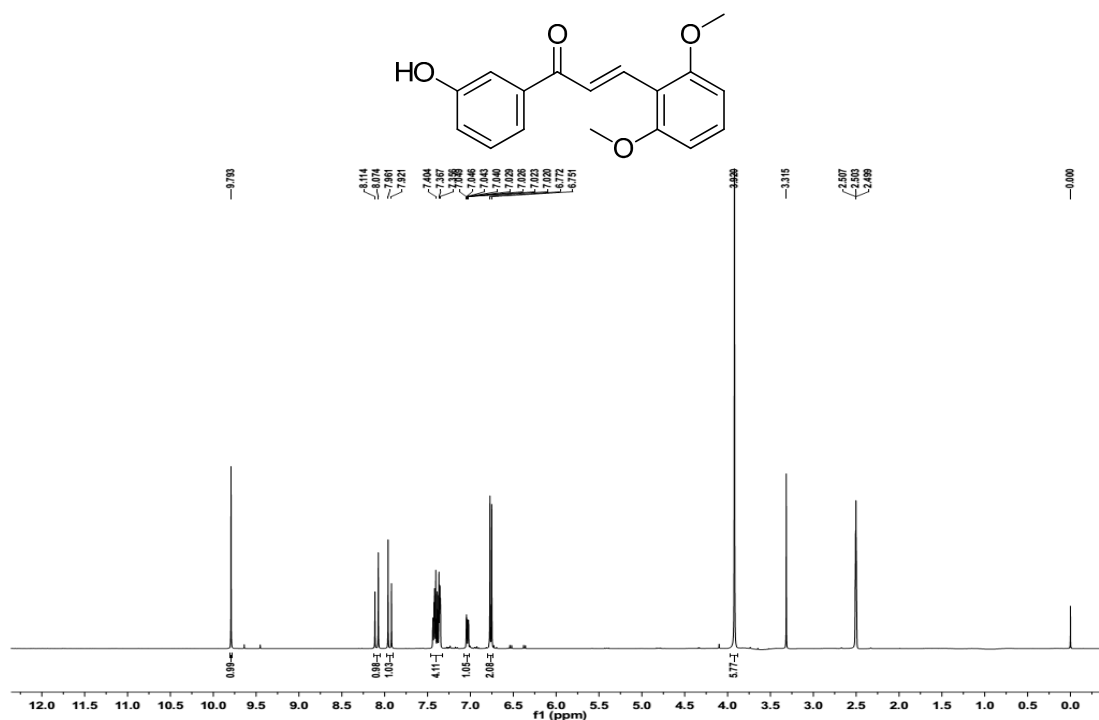


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(E)-1-(3-Hydroxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b25**)

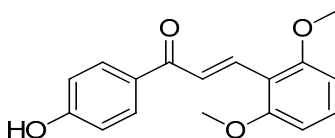


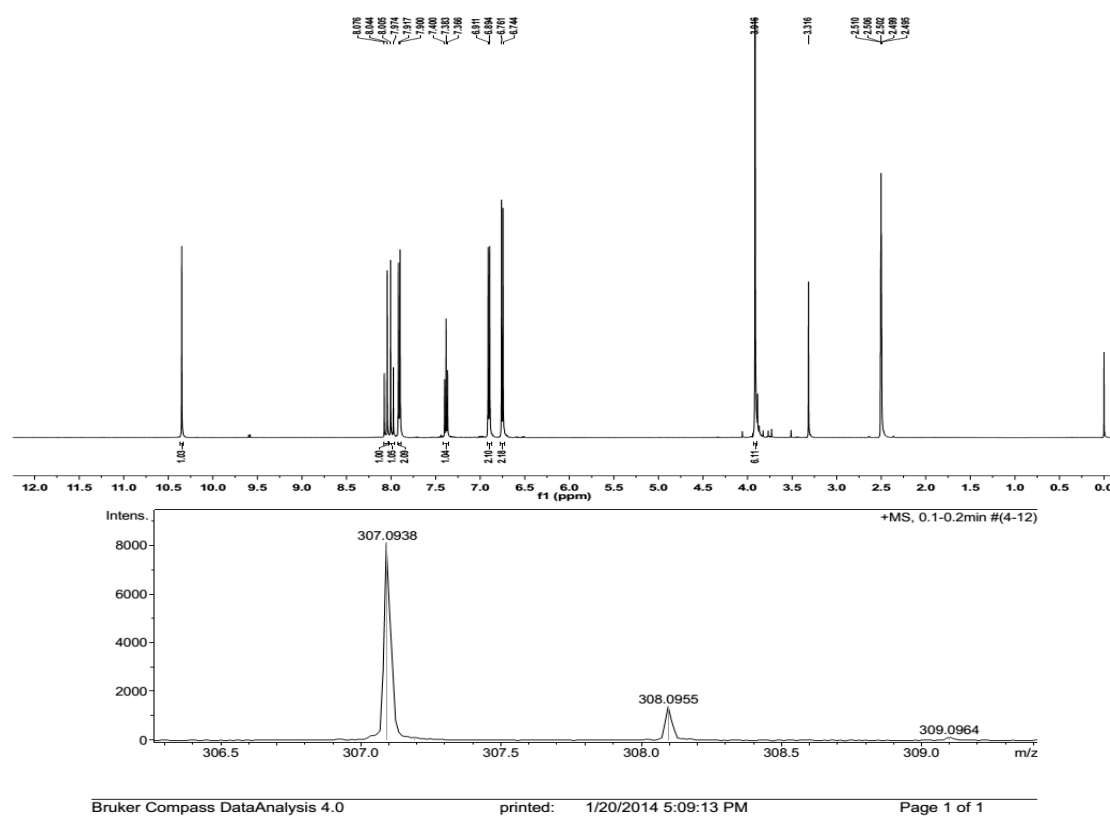
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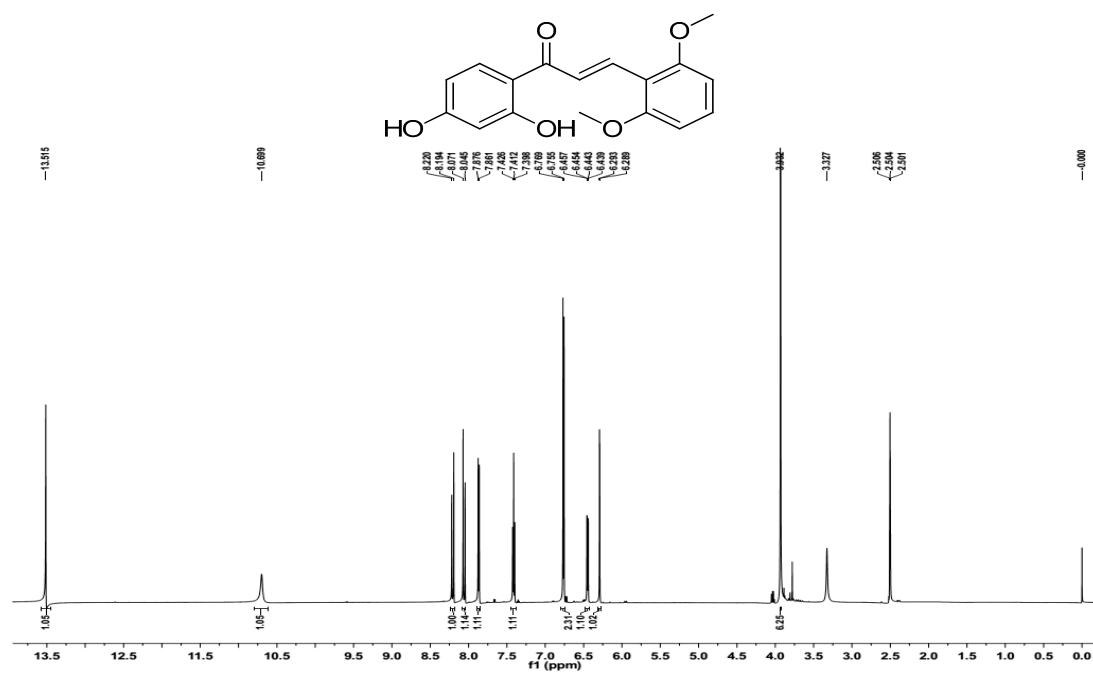
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(E)-1-(4-Hydroxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b26**)

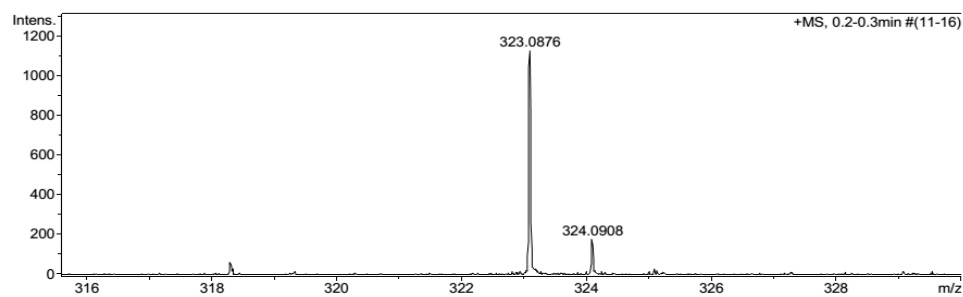
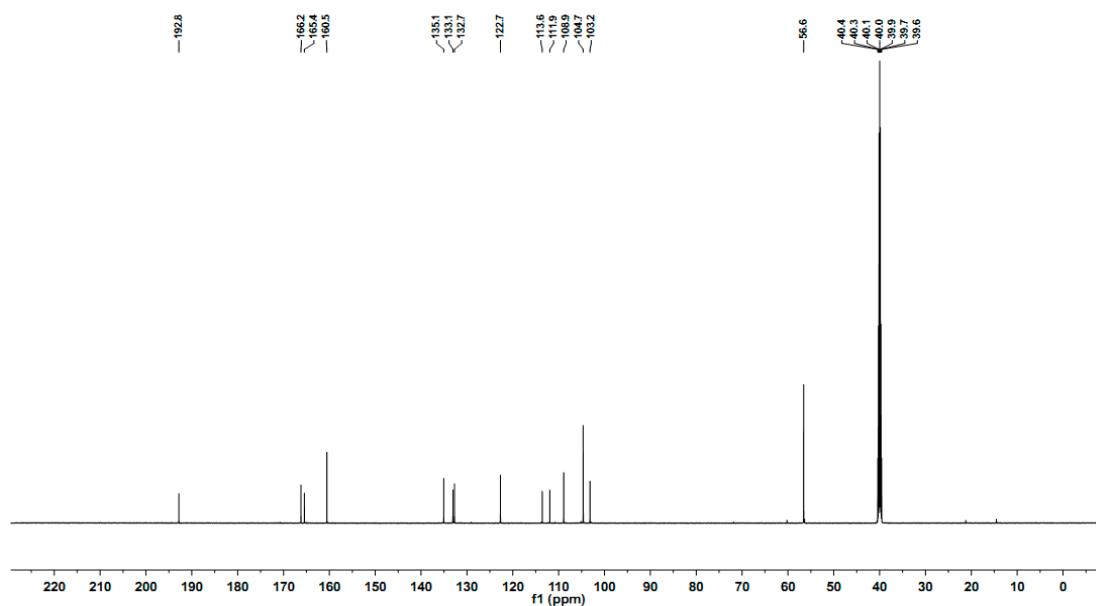




(*E*)-1-(2,4-Dihydroxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b27**)



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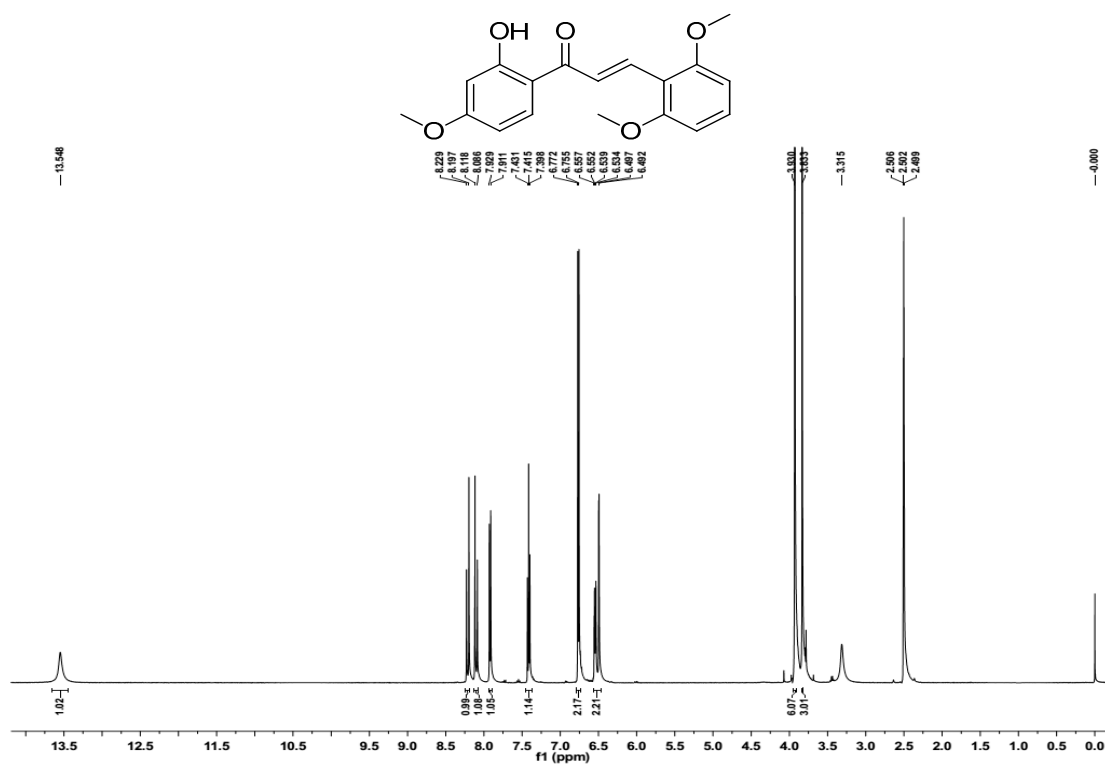


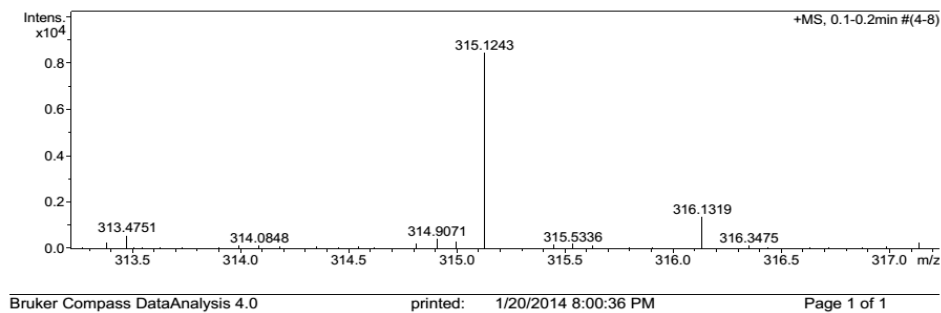
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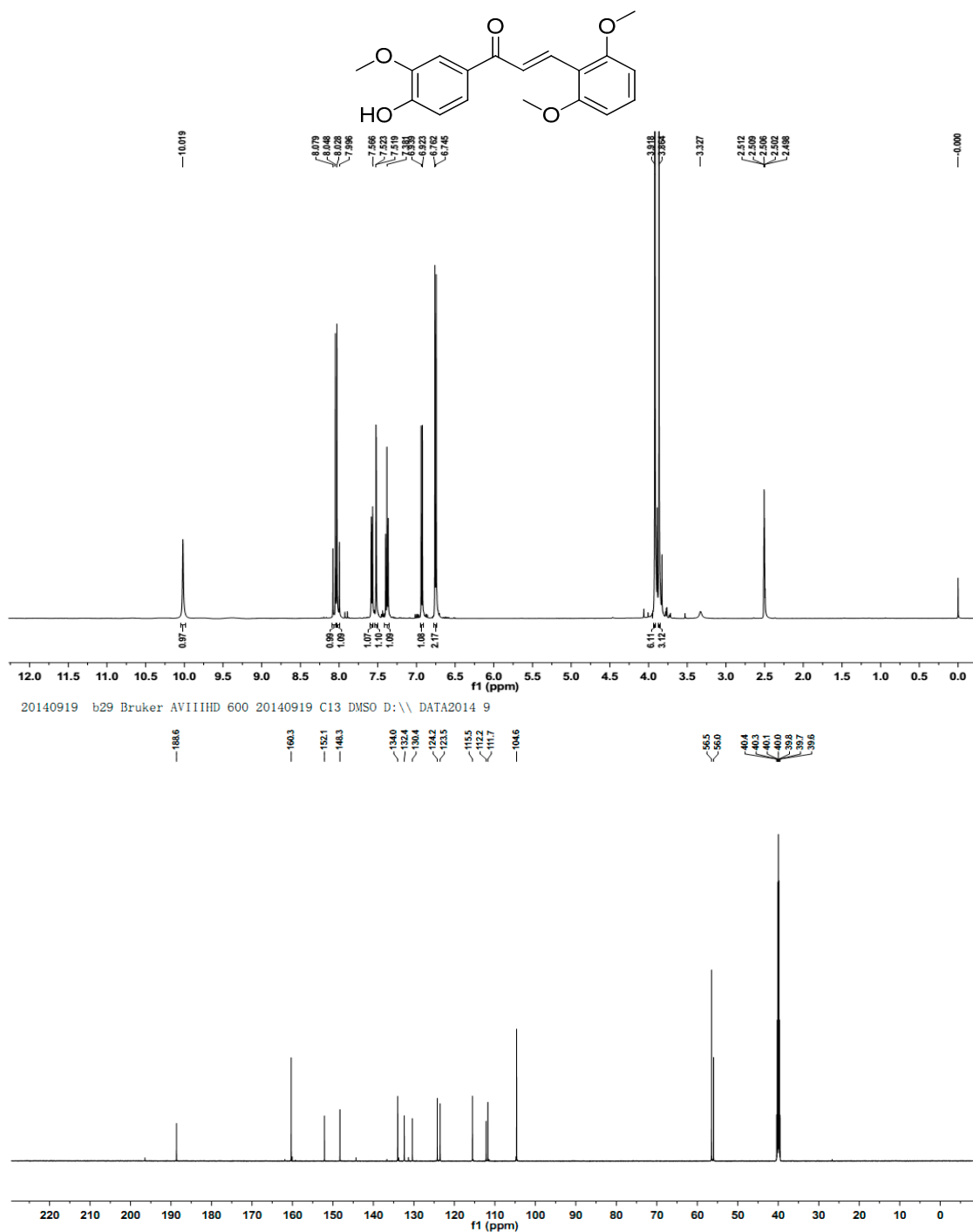
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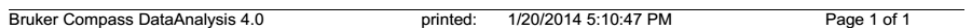
(E)-1-(2-Hydroxy-4-methoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b28**)



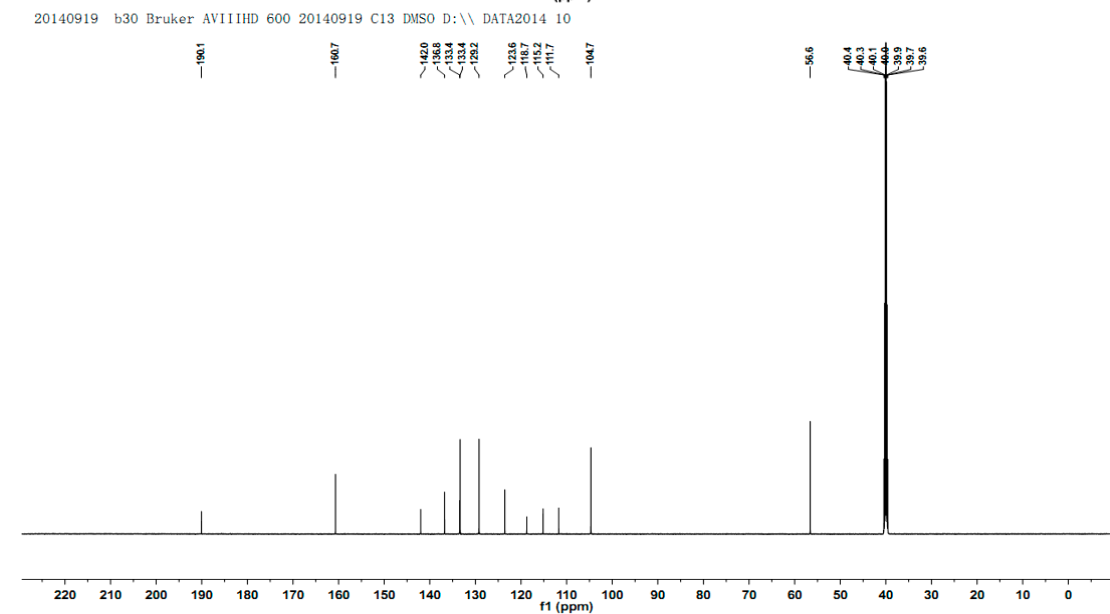


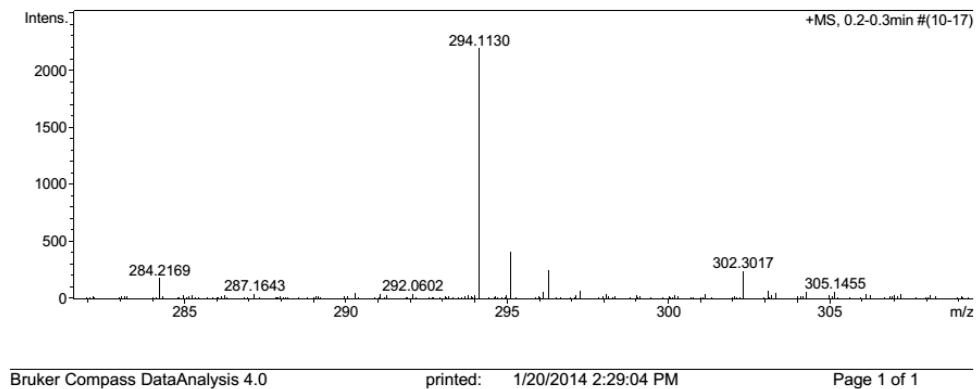
(E)-1-(4-Hydroxy-3-methoxyphenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b29**)



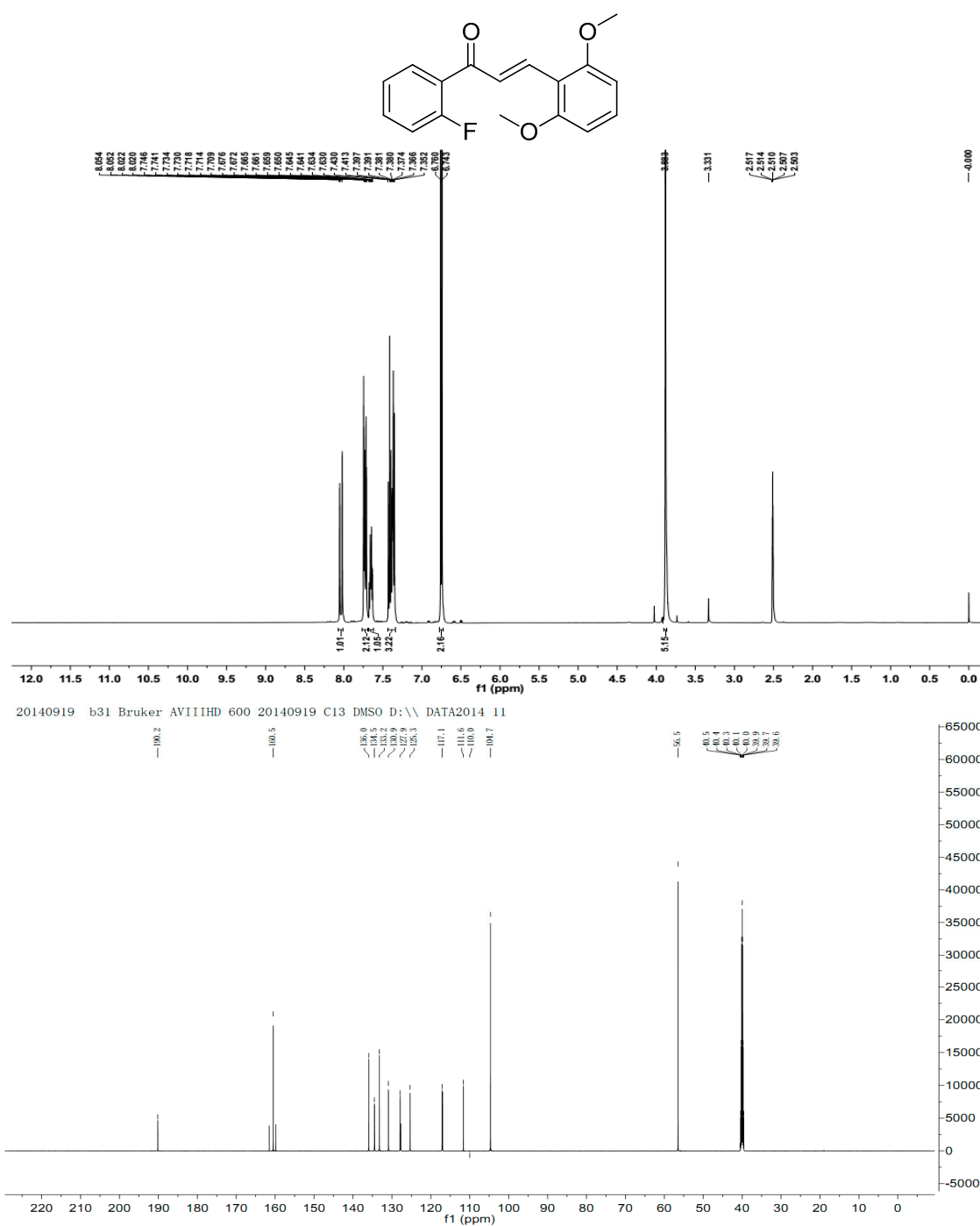


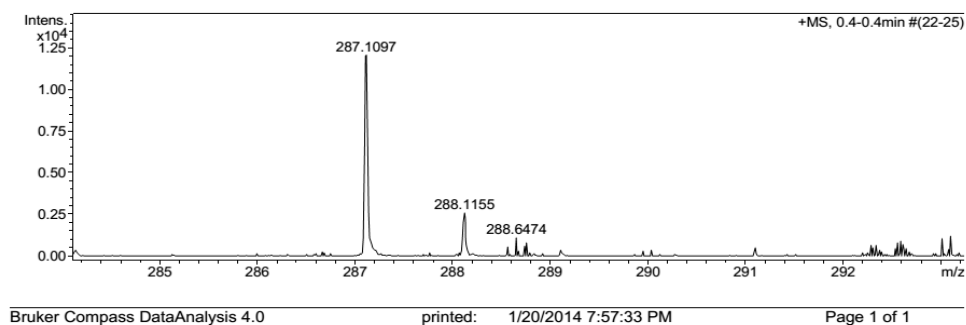
(E)-1-(4-Cyanophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b30**)



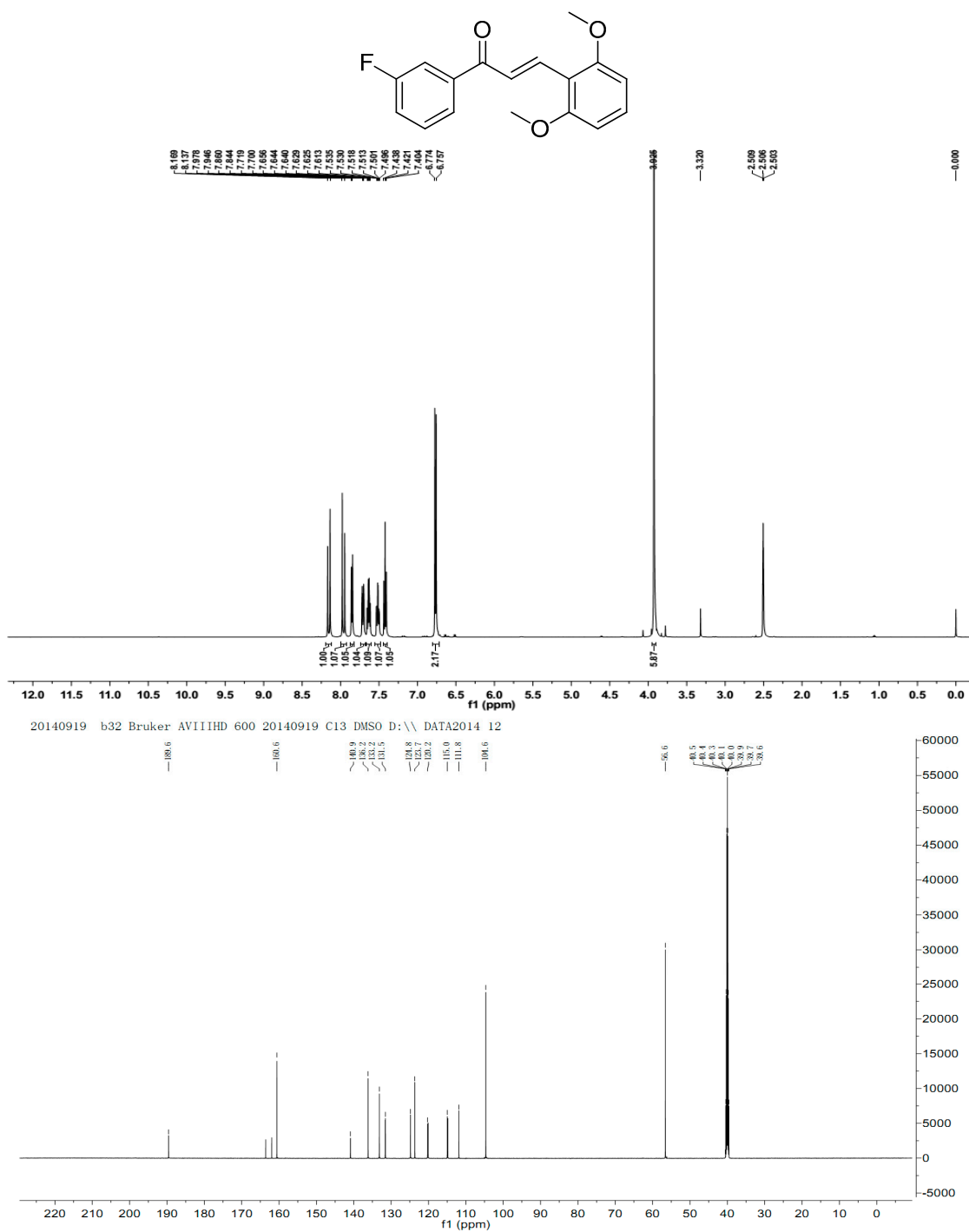


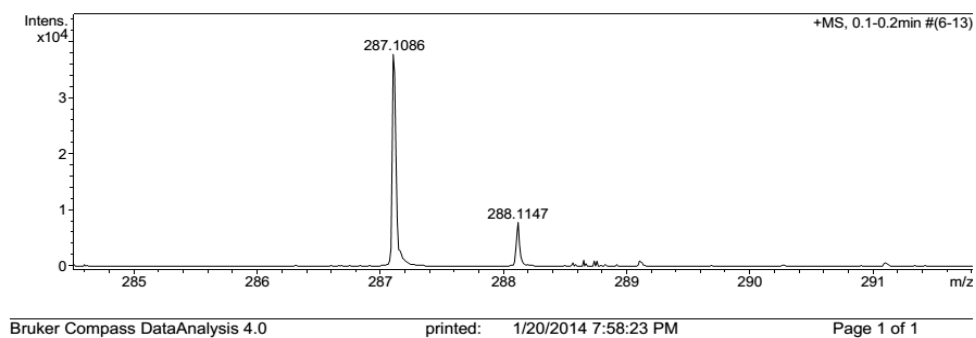
(E)-1-(2-Fluorophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b31**)



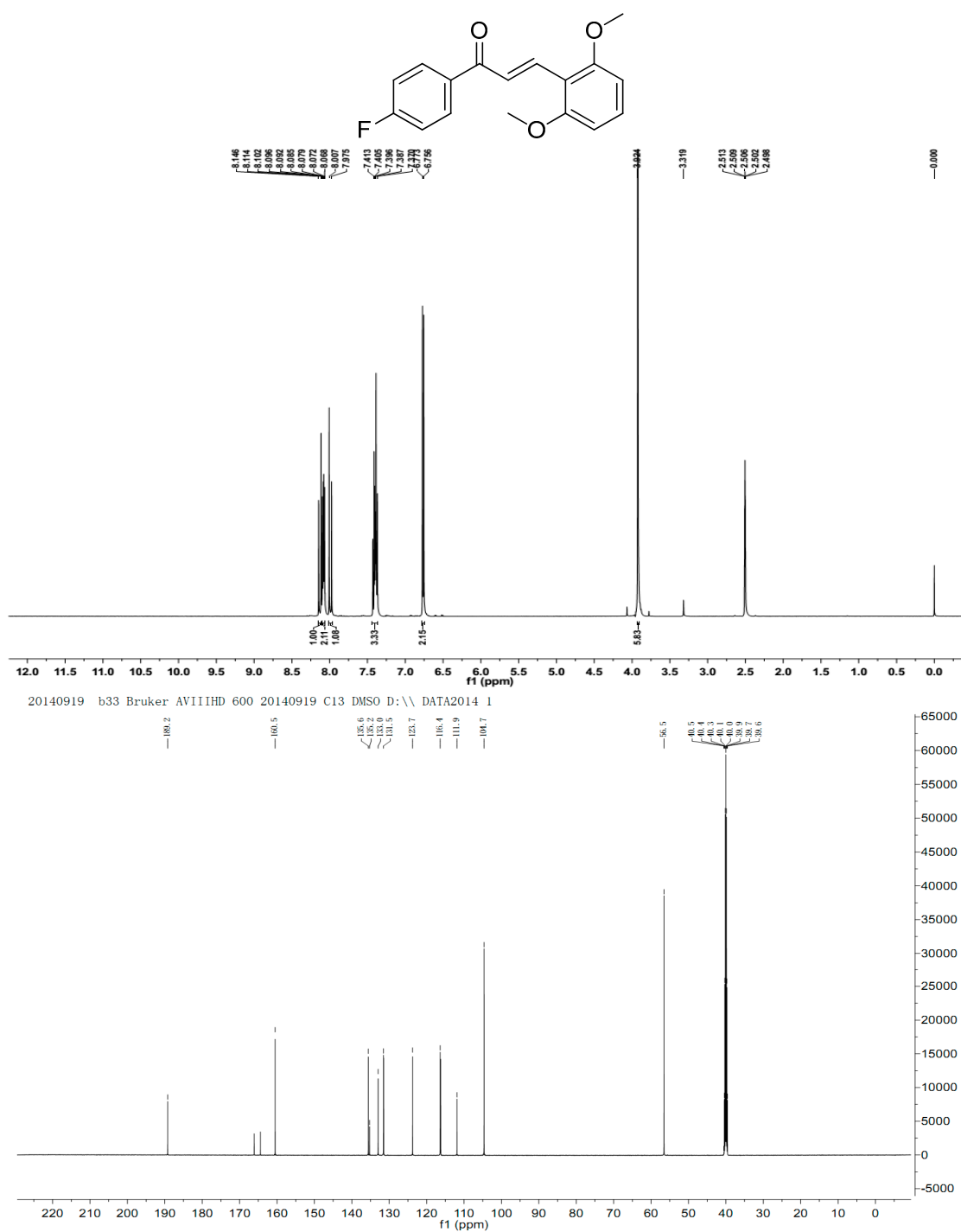


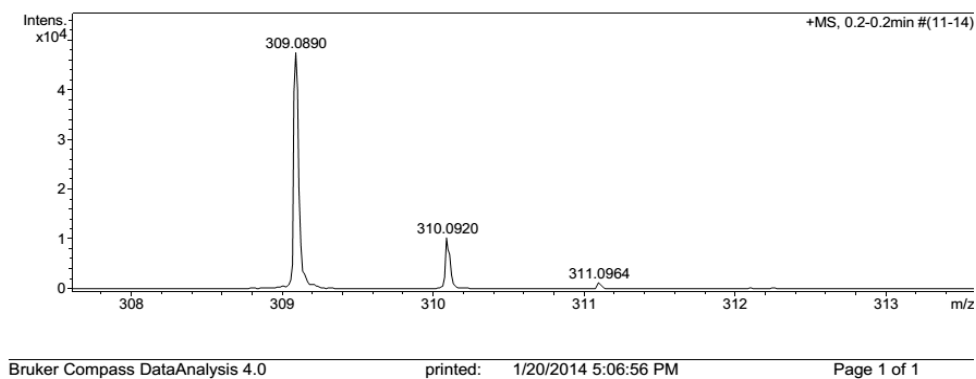
(E)-1-(3-Fluorophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b32**)



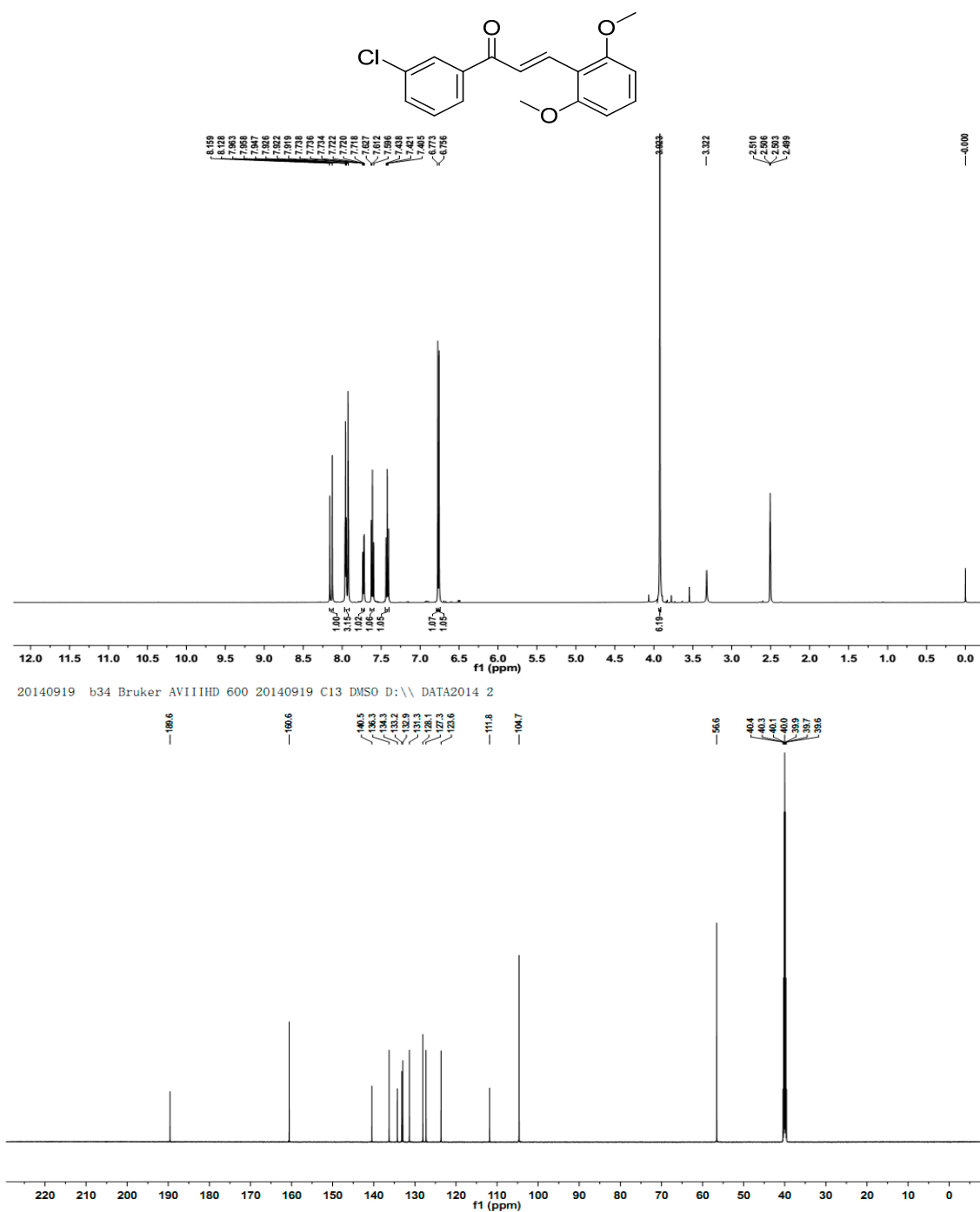


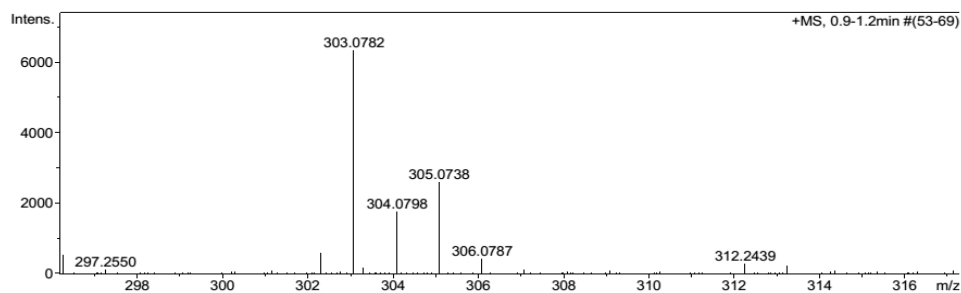
(E)-1-(4-Fluorophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b33**)





(E)-1-(3-Chlorophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b34**)



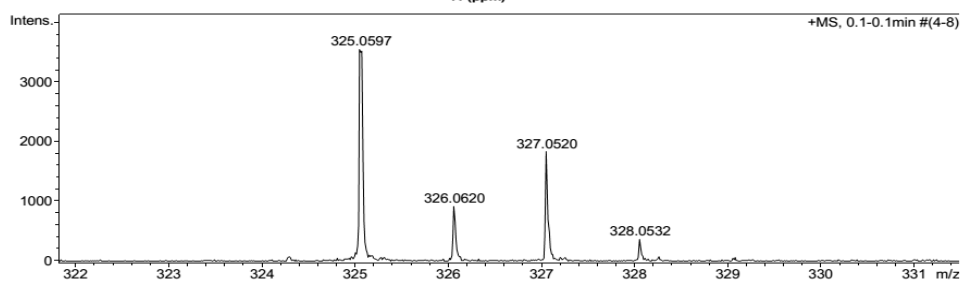
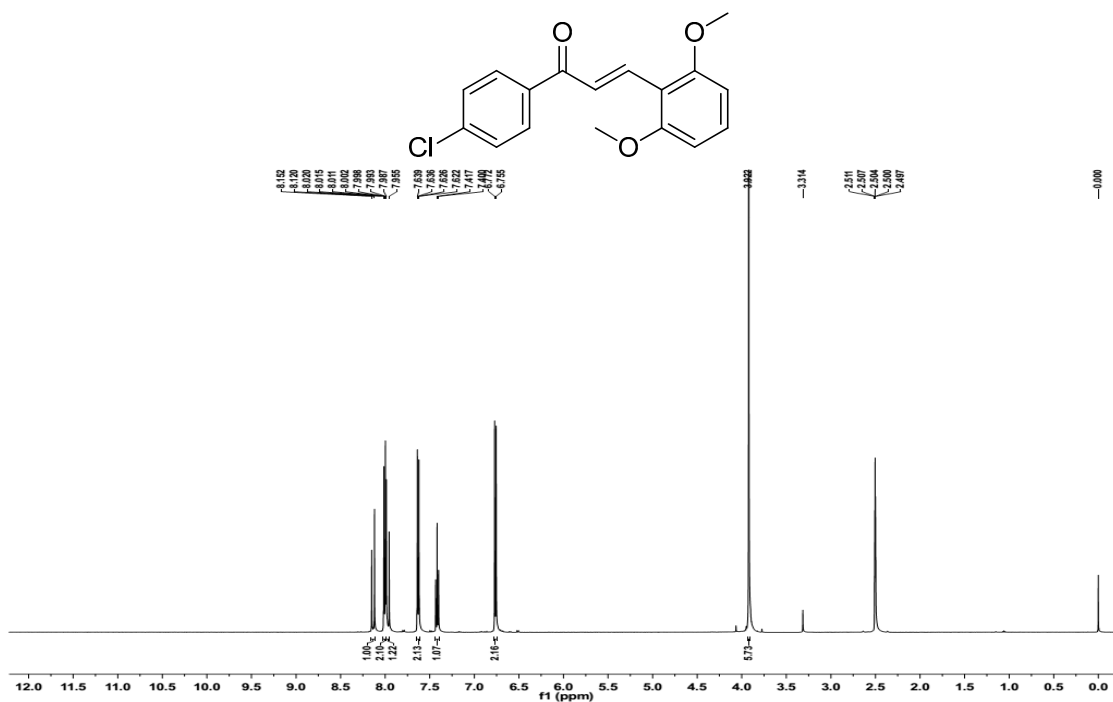


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(E)-1-(4-Chlorophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b35**)

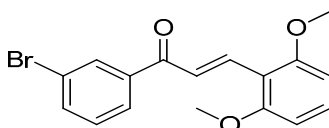


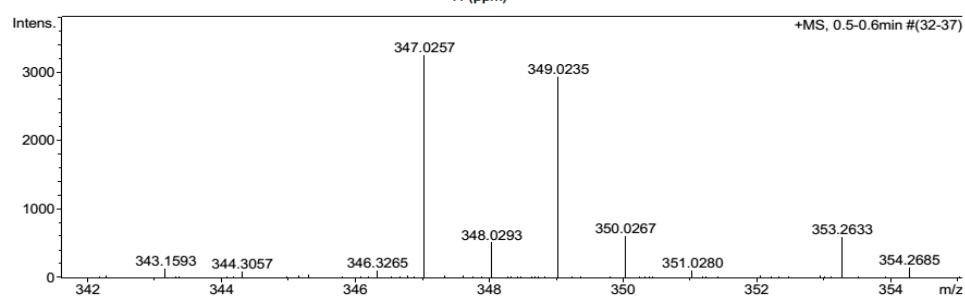
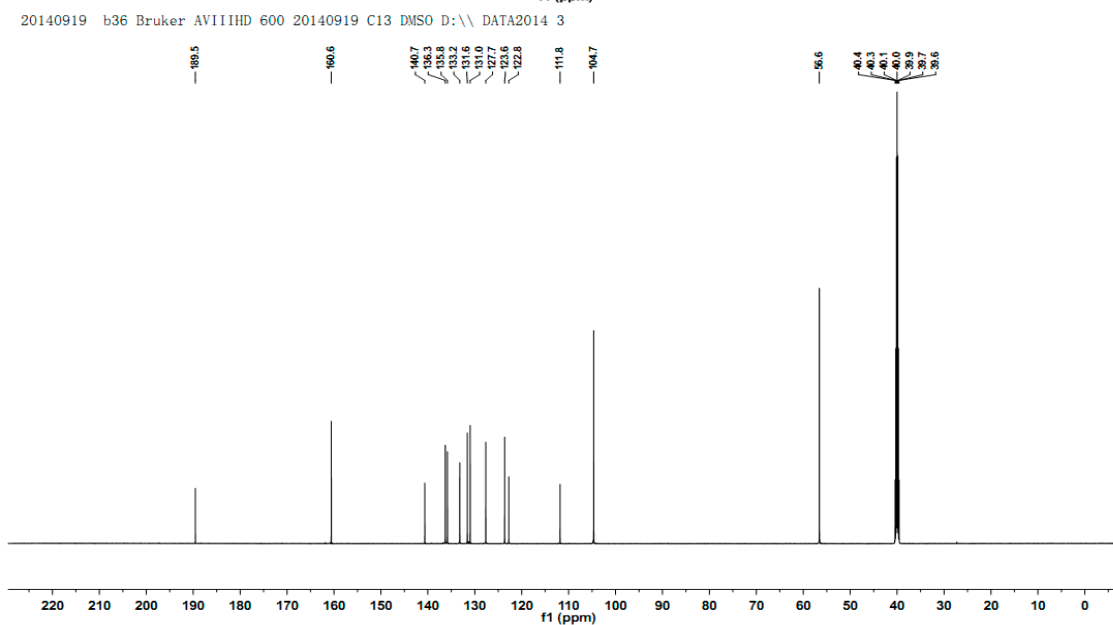
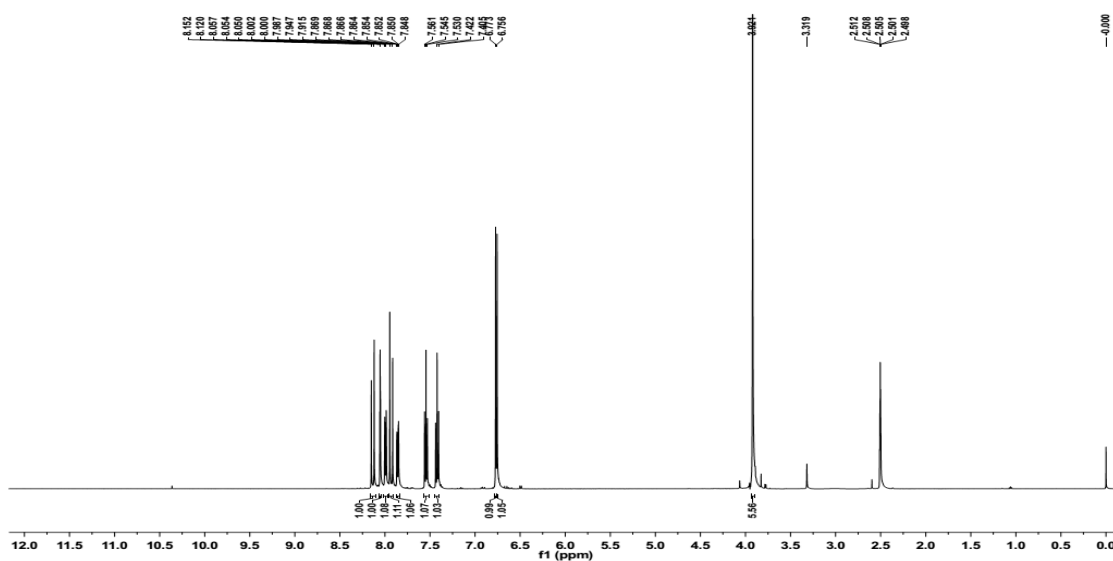
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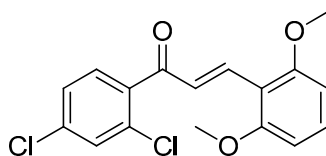
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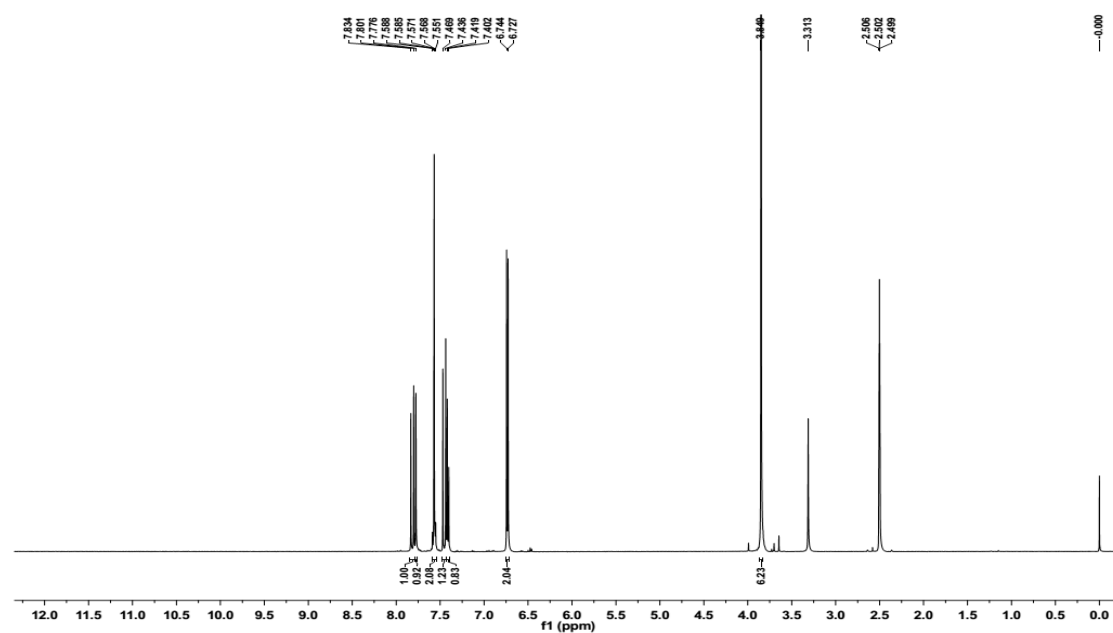
(E)-1-(3-Bromophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b36**)



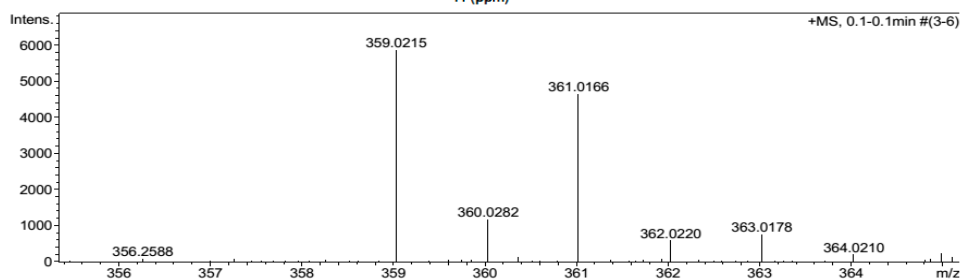
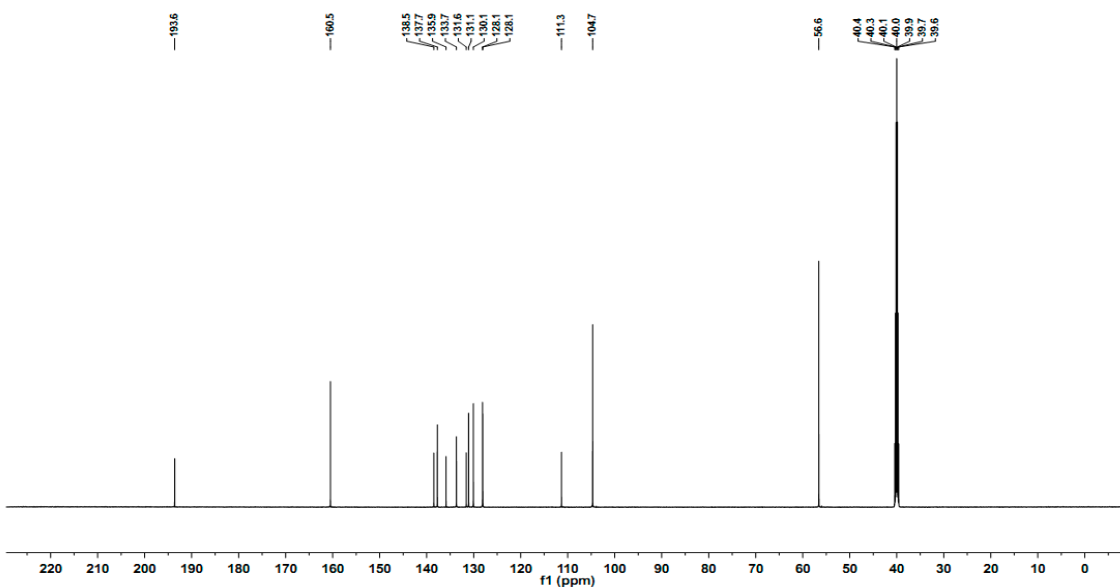


(E)-1-(2,4-Dichlorophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b37**)

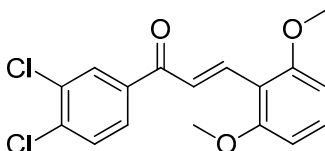


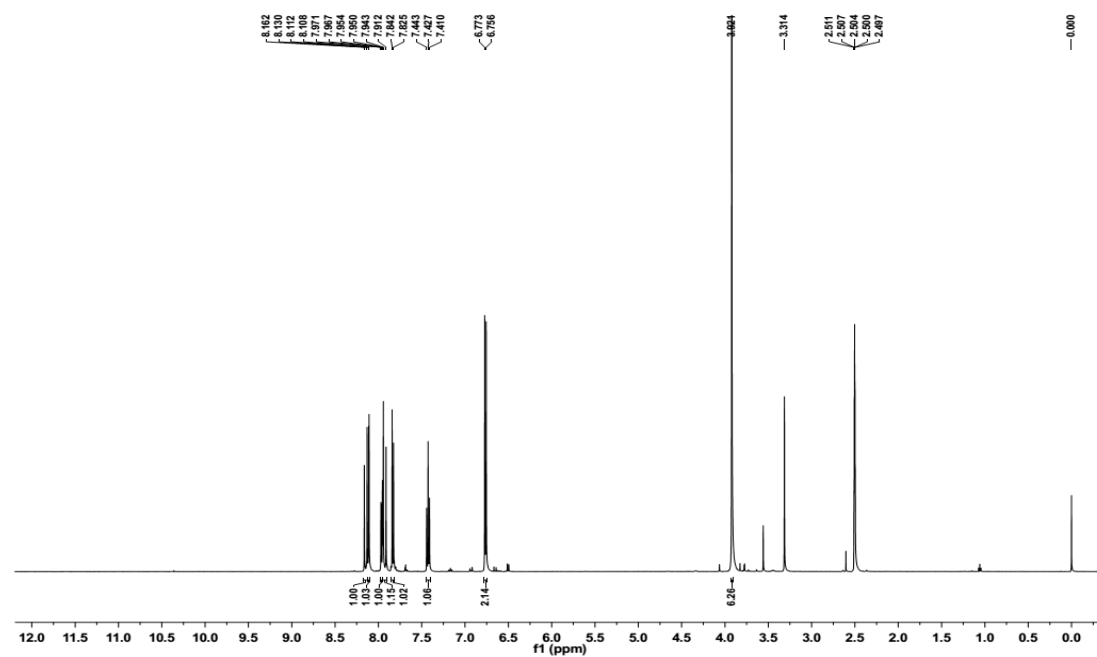


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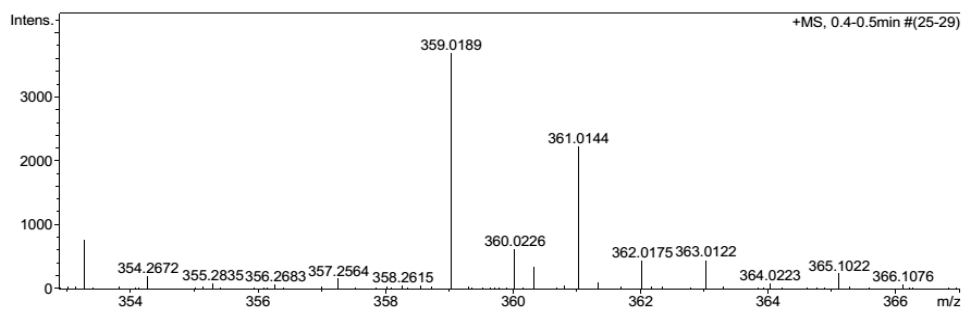
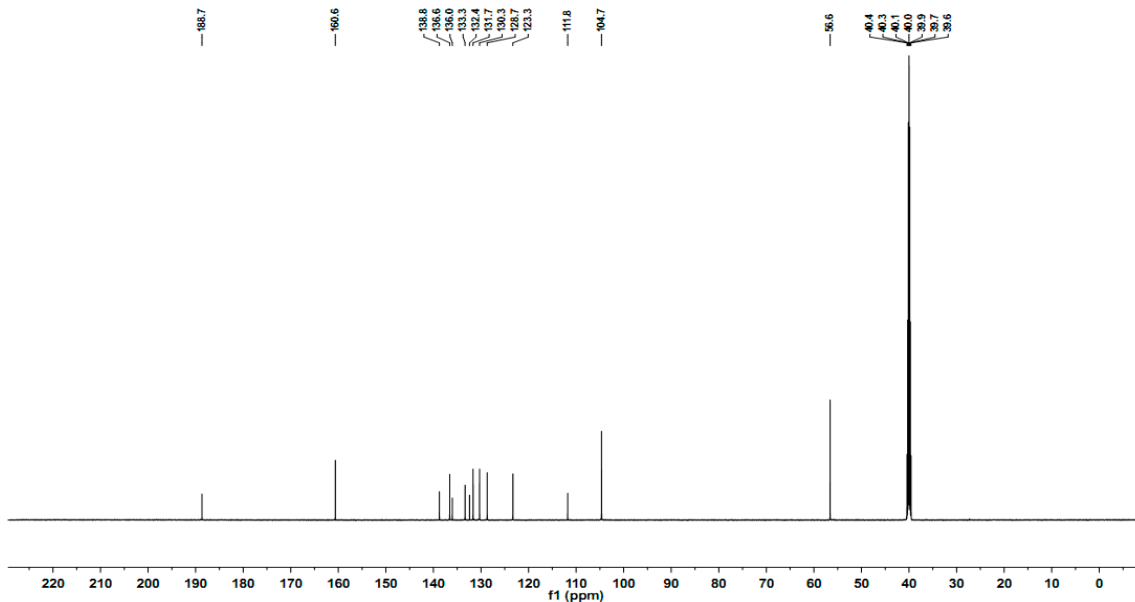


(E)-1-(3,4-Dichlorophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (b38)

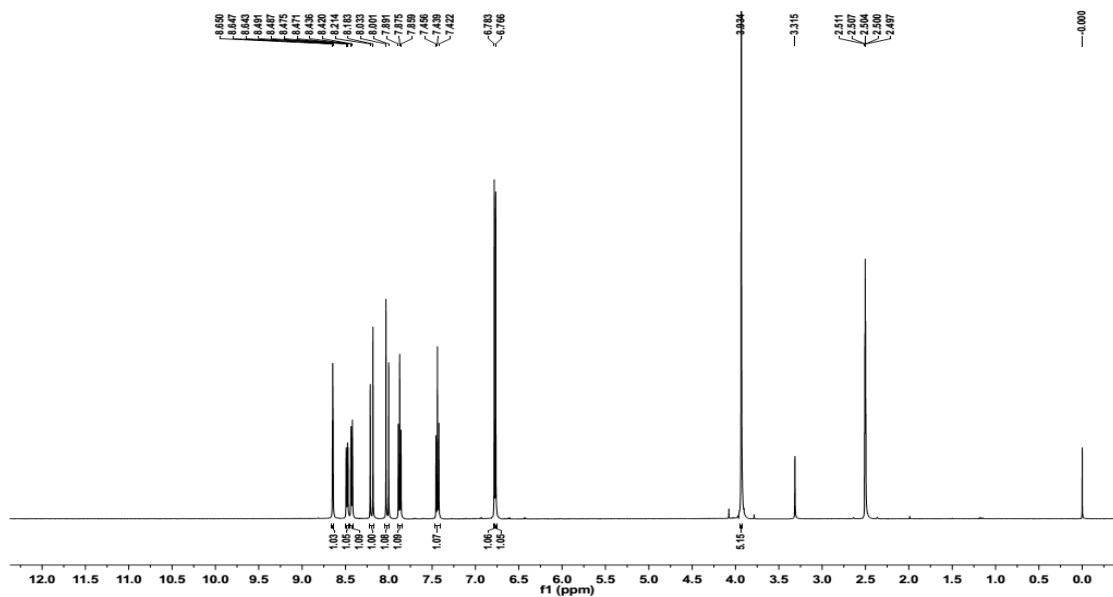
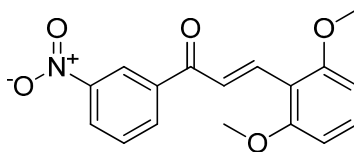




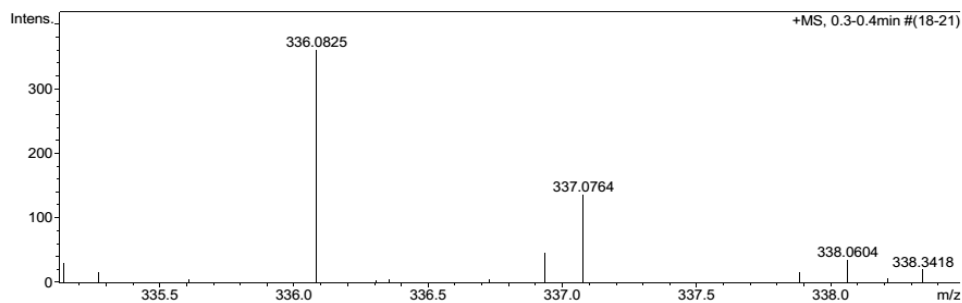
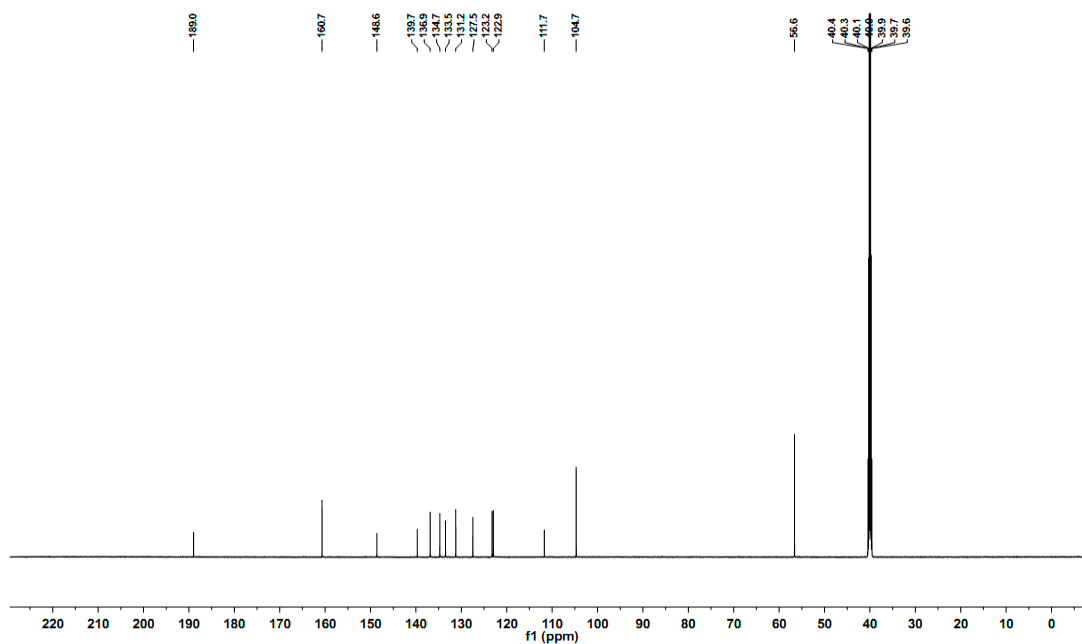
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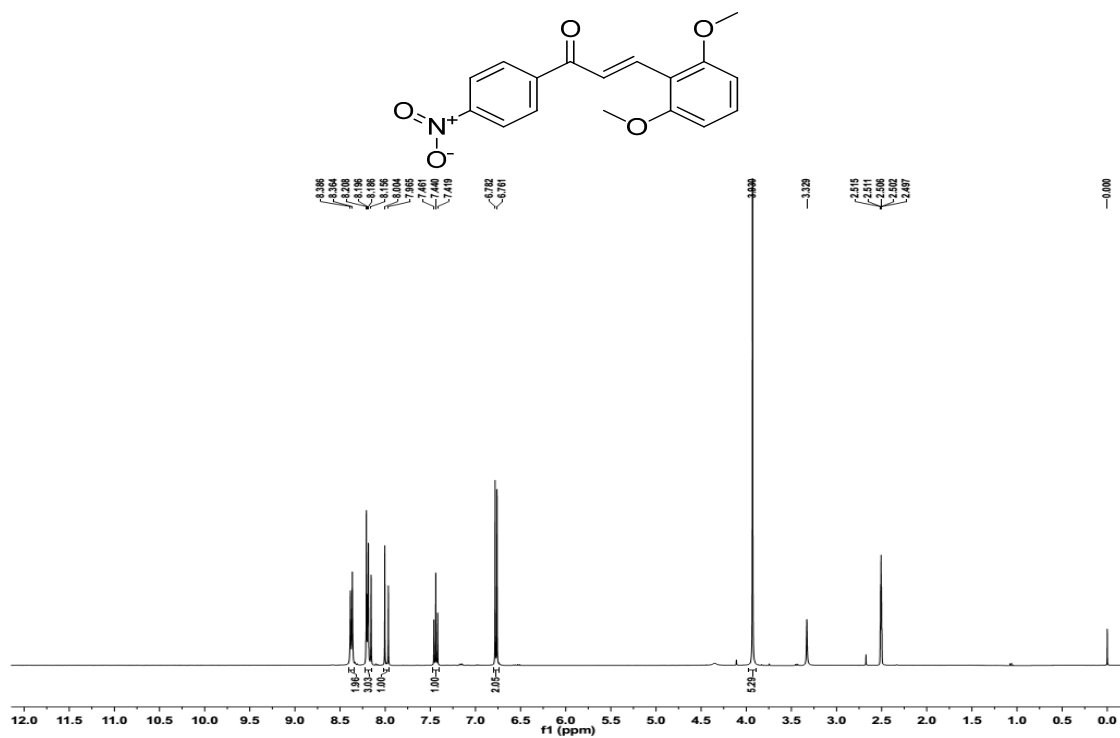
(E)-1-(3-Nitrophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (b39)



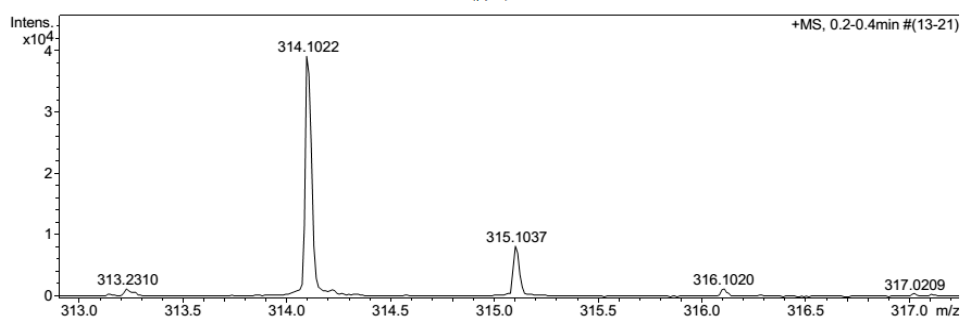
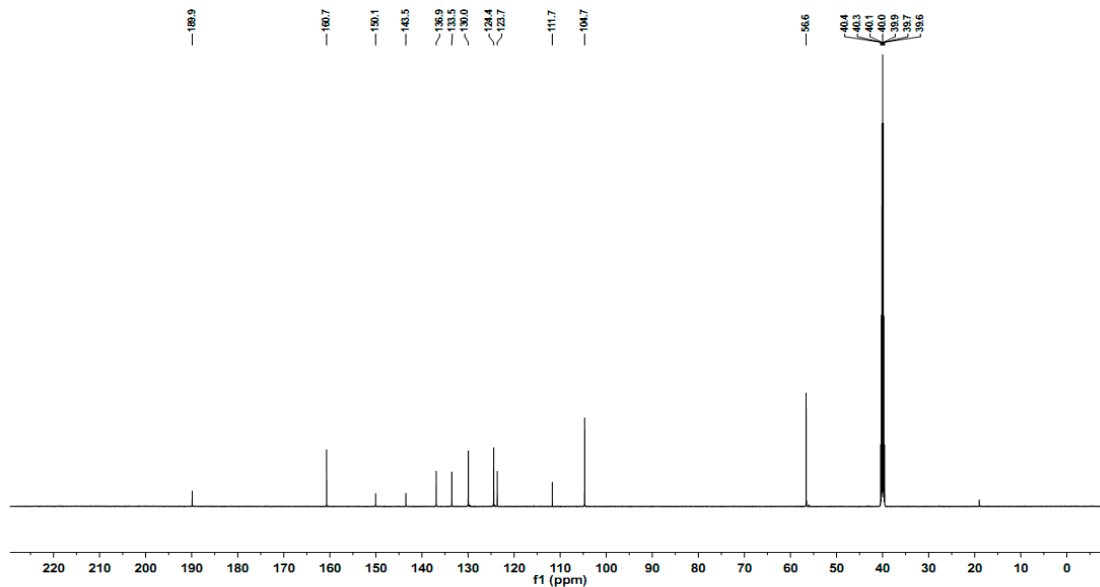
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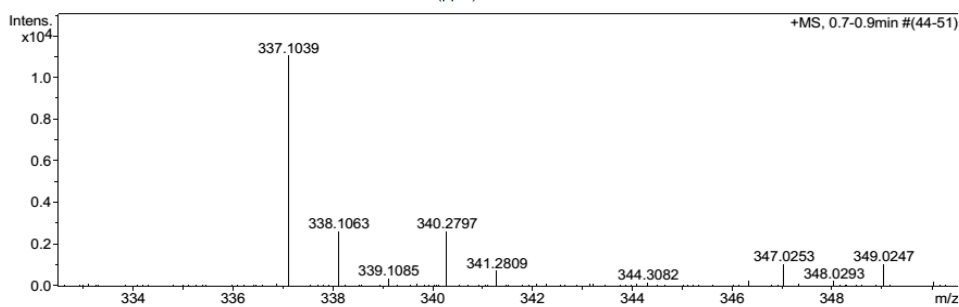
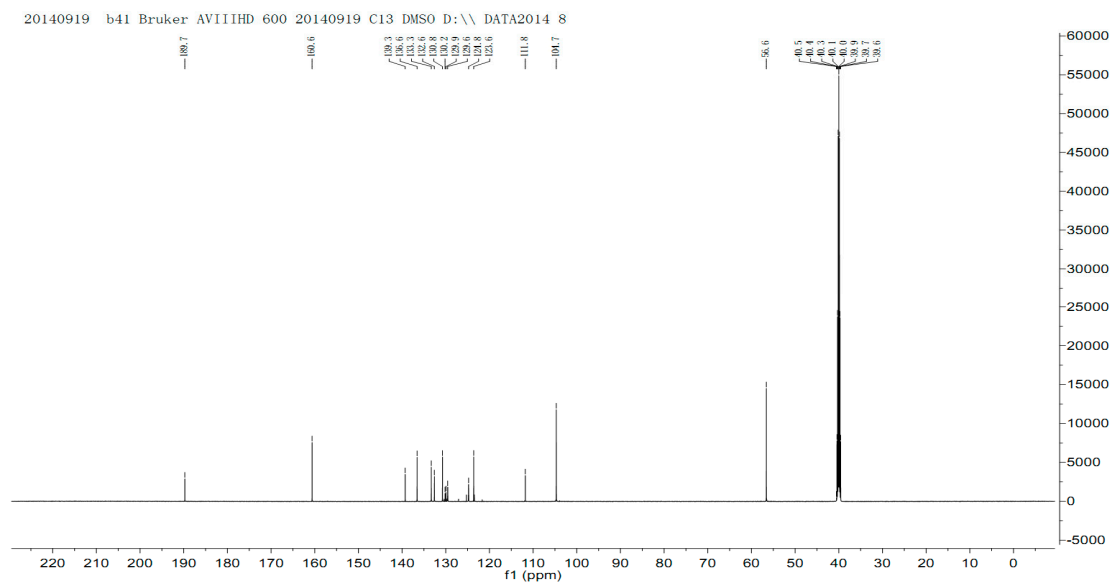
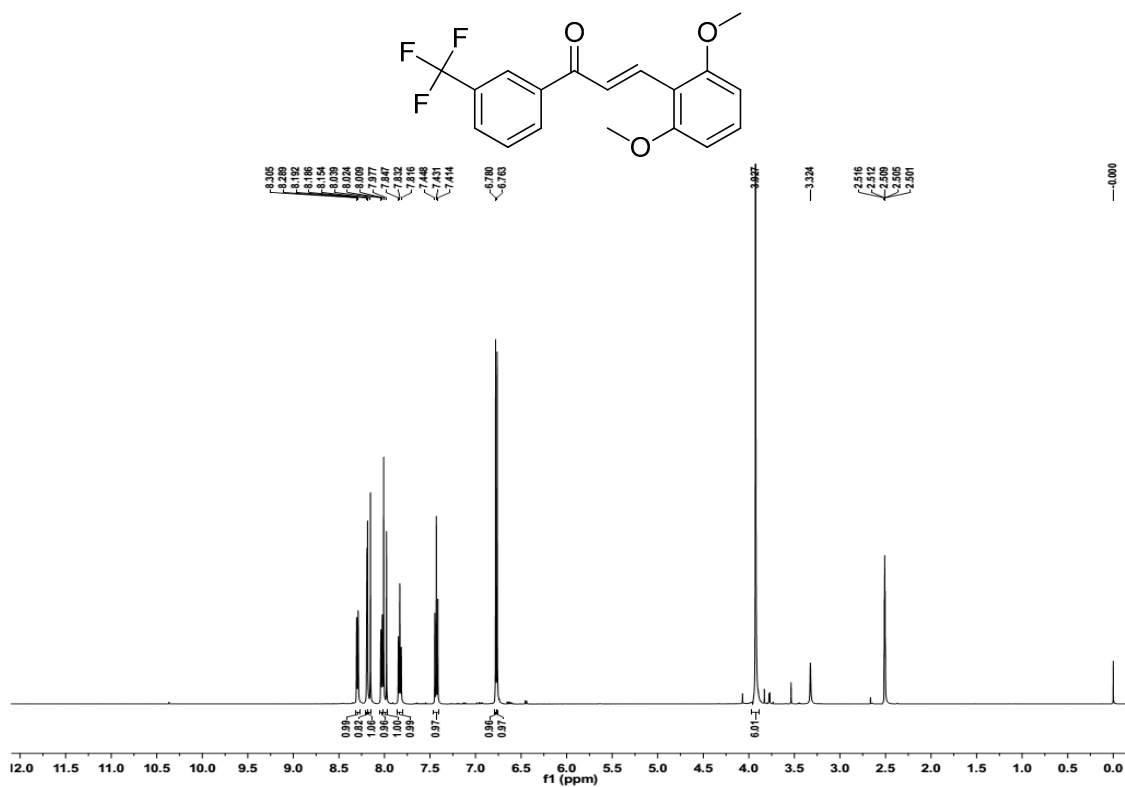
(E)-1-(4-Nitrophenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (b40)



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(E)-1-(3-(Trifluoromethyl)phenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (**b41**)



(E)-1-(3,5-bis(Trifluoromethyl)phenyl)-3-(2,6-dimethoxyphenyl)prop-2-en-1-one (b42)

