

Phenylstyrylpyrimidine Derivatives as Potential Multipotent Therapeutics for Alzheimer's Disease

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Supplementary Material

^1H , ^{13}C NMR, & MS Spectra of Representative Compounds

Content:

Spectrum of representative compounds

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Figure 6. Spectrum of compound **BV-6**

Figure 7. Spectrum of compound **BV-7**

Figure 8. Spectrum of compound **BV-8**

Figure 9. Spectrum of compound **BV-9**

Figure 10. Spectrum of compound **BV-10**

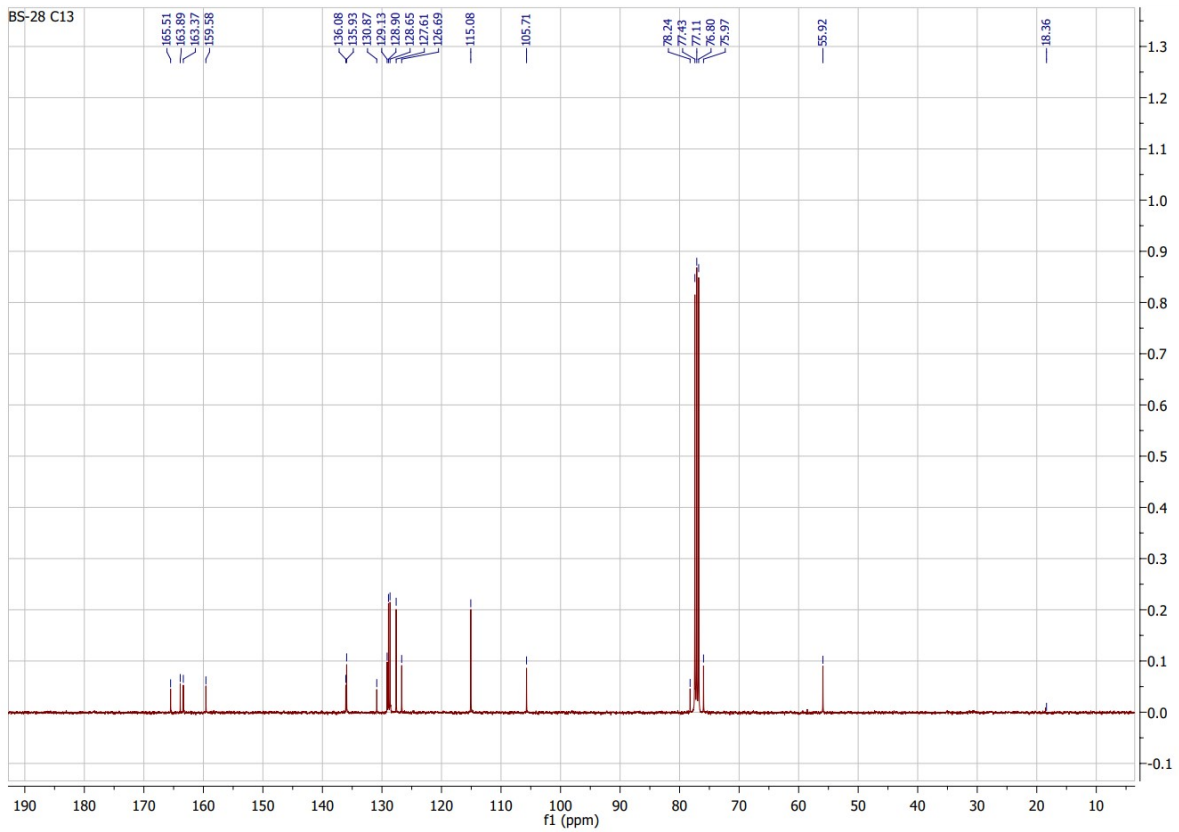
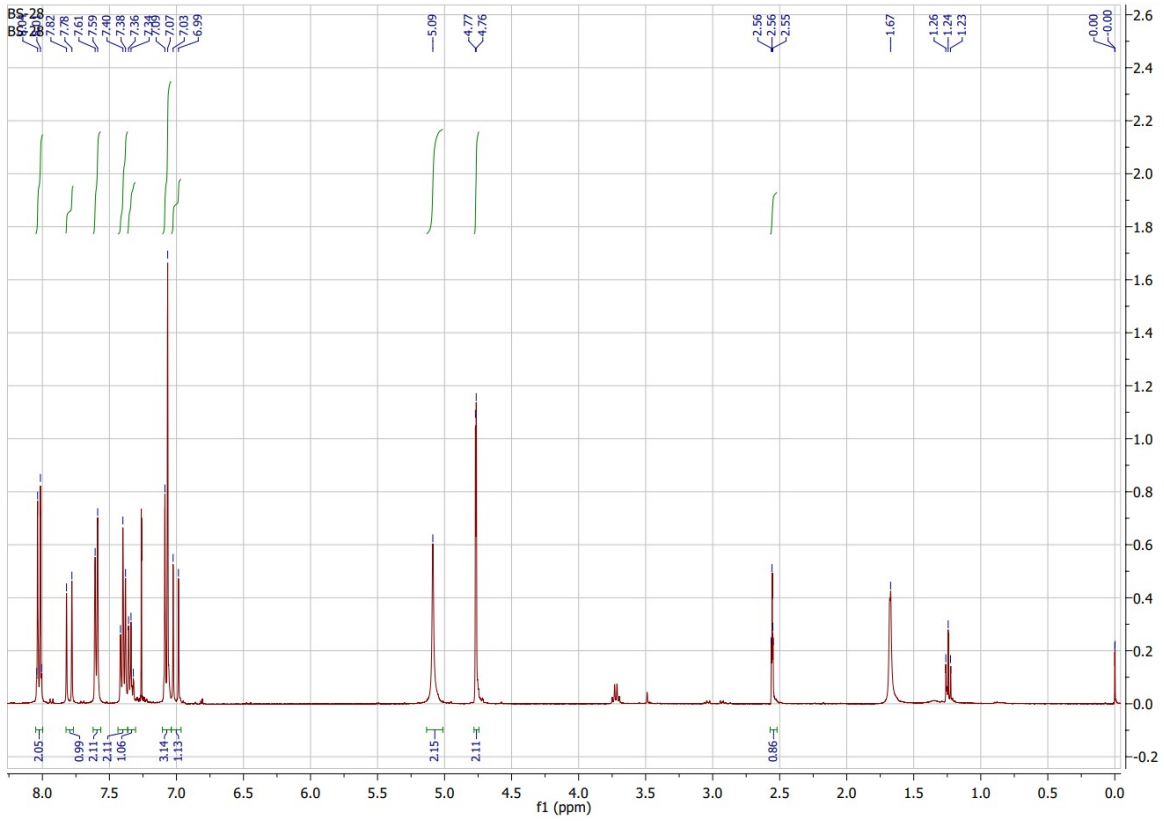
Figure 11. Spectrum of compound **BV-11**

Figure 12. Spectrum of compound **BV-12**

Figure 13. Spectrum of compound **BV-13**

Figure 14. Spectrum of compound **BV-14**

Figure 15. Spectrum of compound **BV-15**



Formula & Ion Species	m/z	m/z (Calc)	Abund	Diff (ppm)	Max Abund	Species
[(C₂₁ H₁₇ N₃ O)₂]⁺	328.1449	328.1444	259306.55	1.47	259306.55	(M+H)⁺

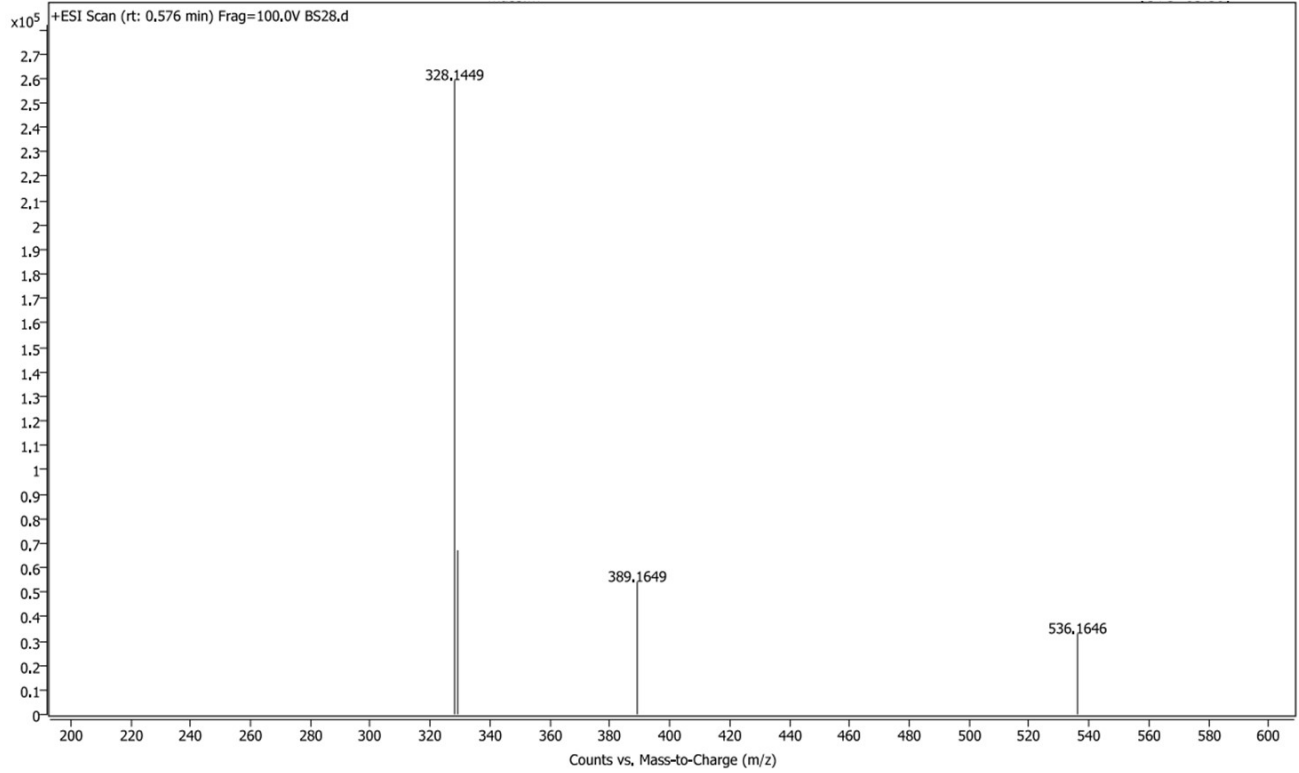
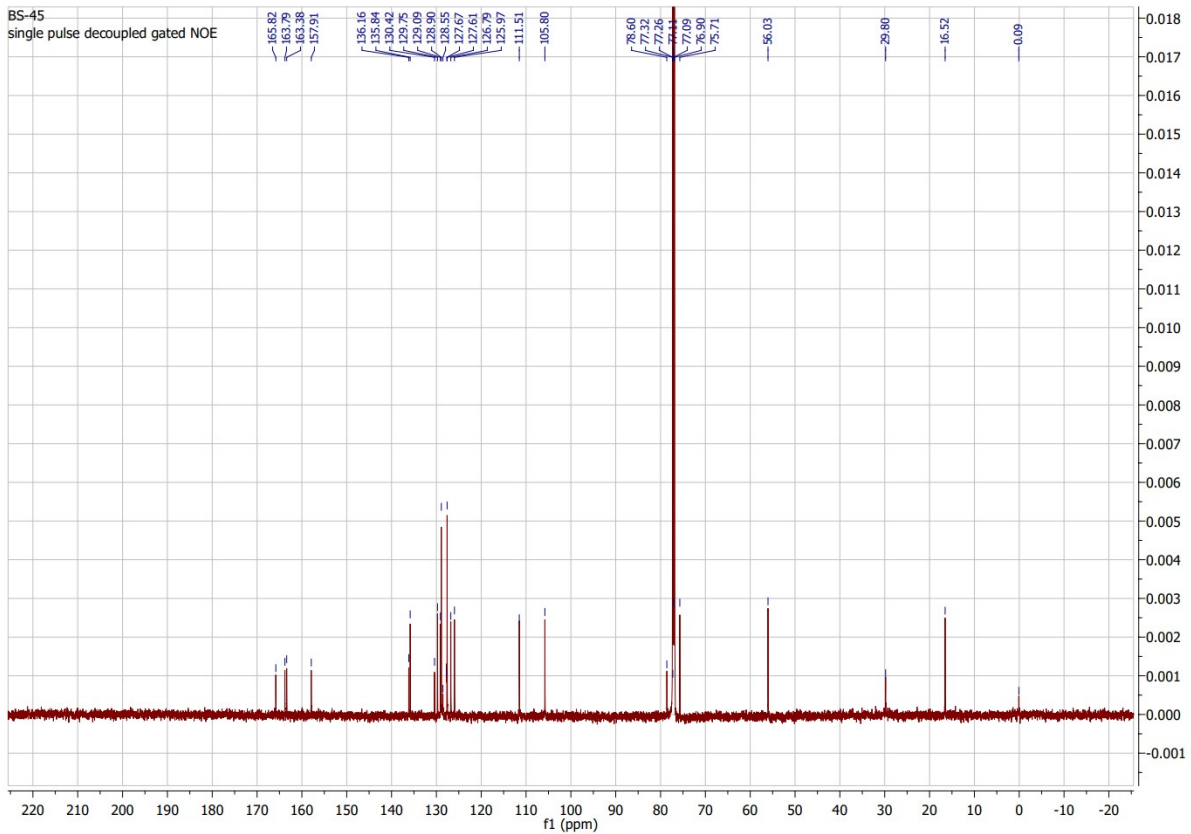
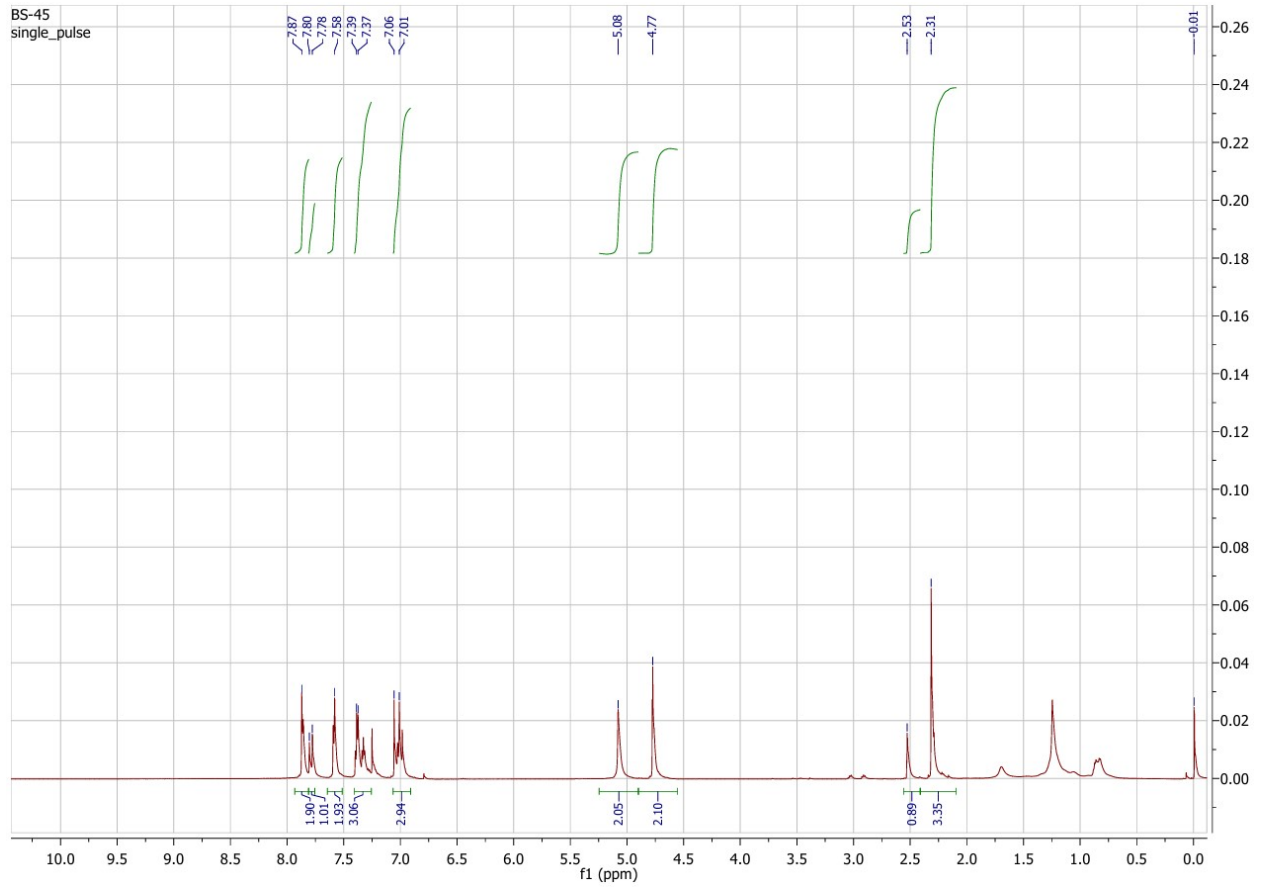


Figure 1. Spectrum of compound BV-1



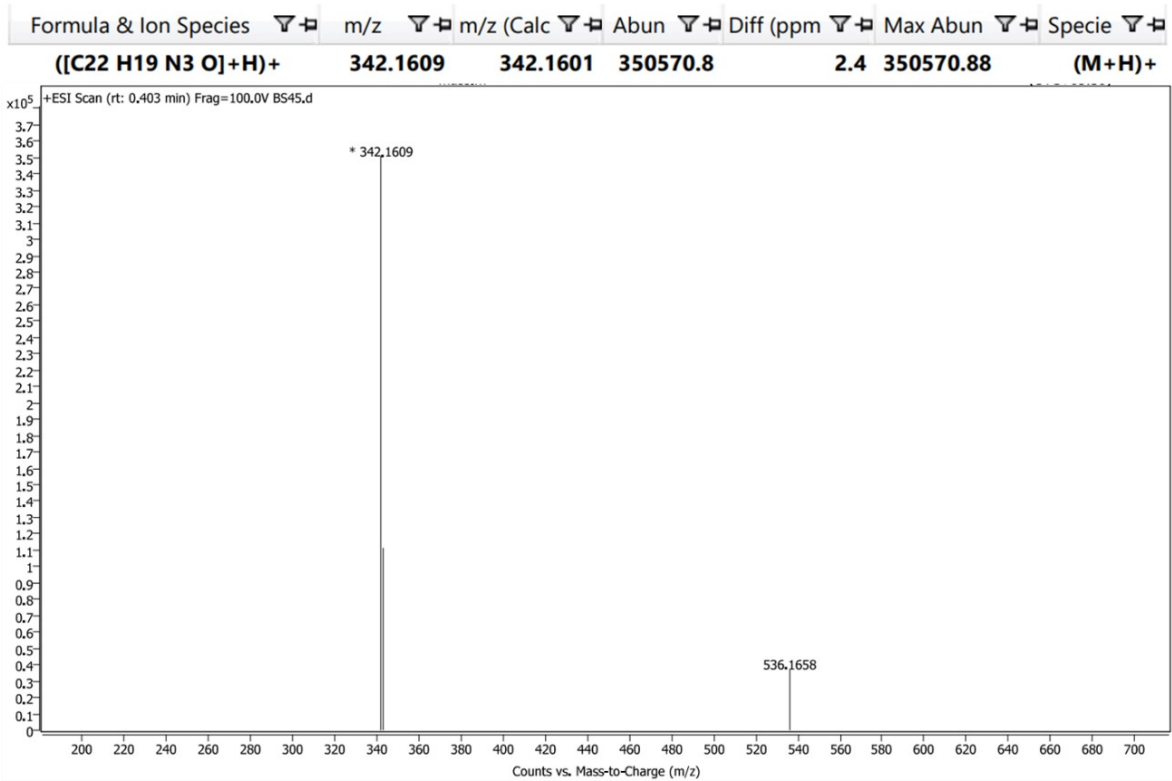
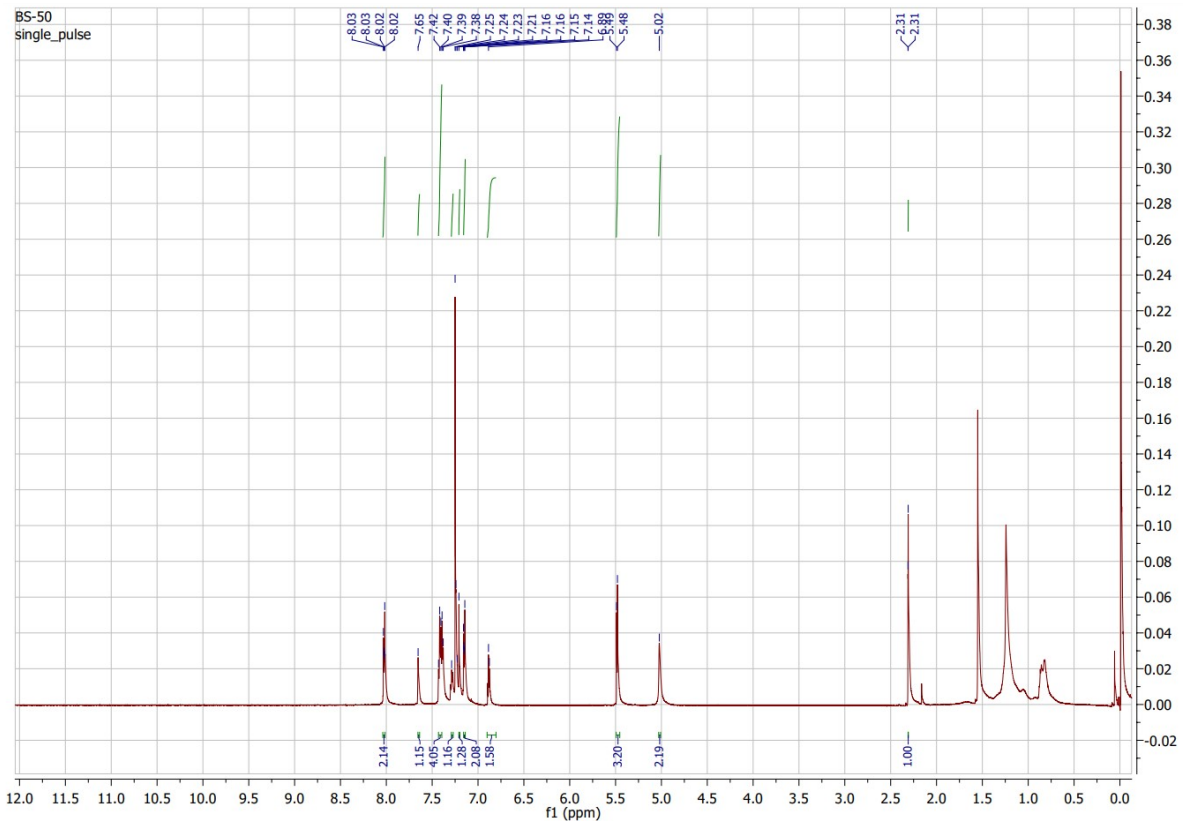
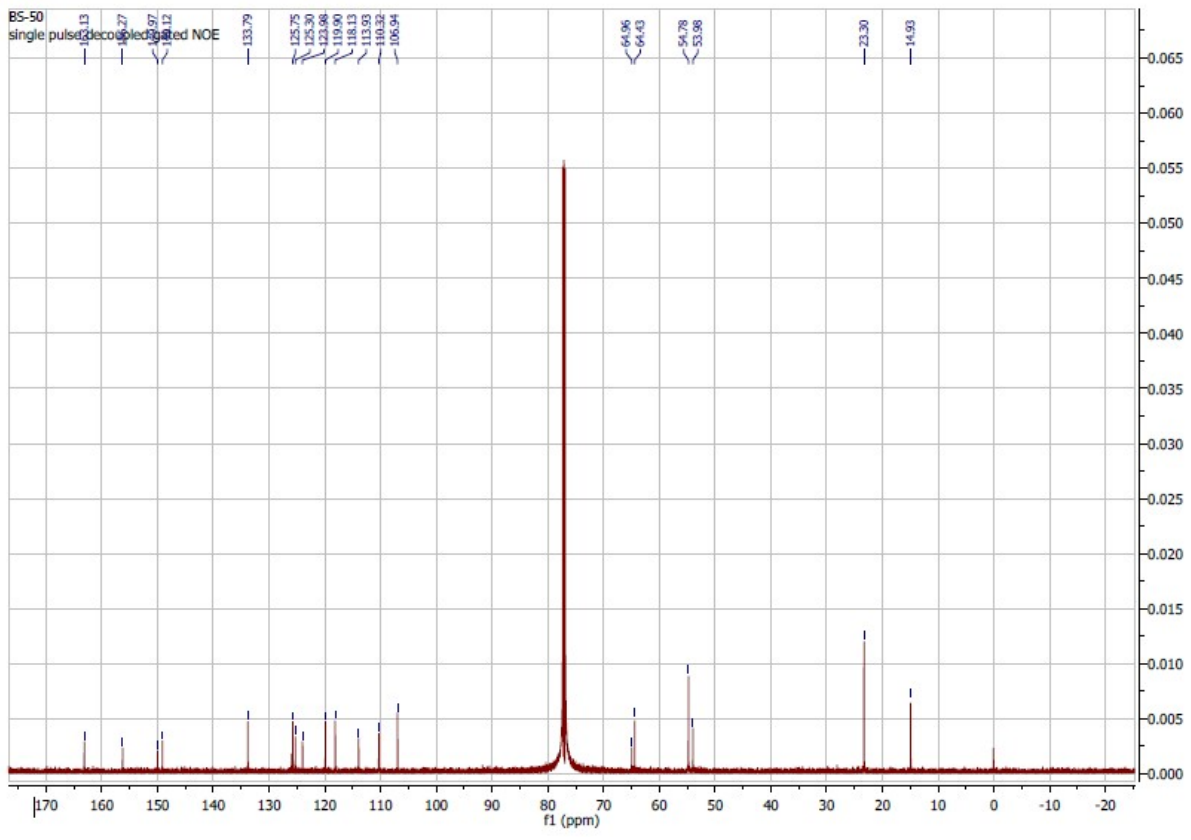


Figure 2. Spectrum of compound BV-2





Formula & Ion Species	m/z	m/z (Calc)	Abund	Diff (ppm)	Max Abund	Species
[(C22 H19 N3 O)+H]+	342.1609	342.1601	36865.33	2.32	36865.33	(M+H)+

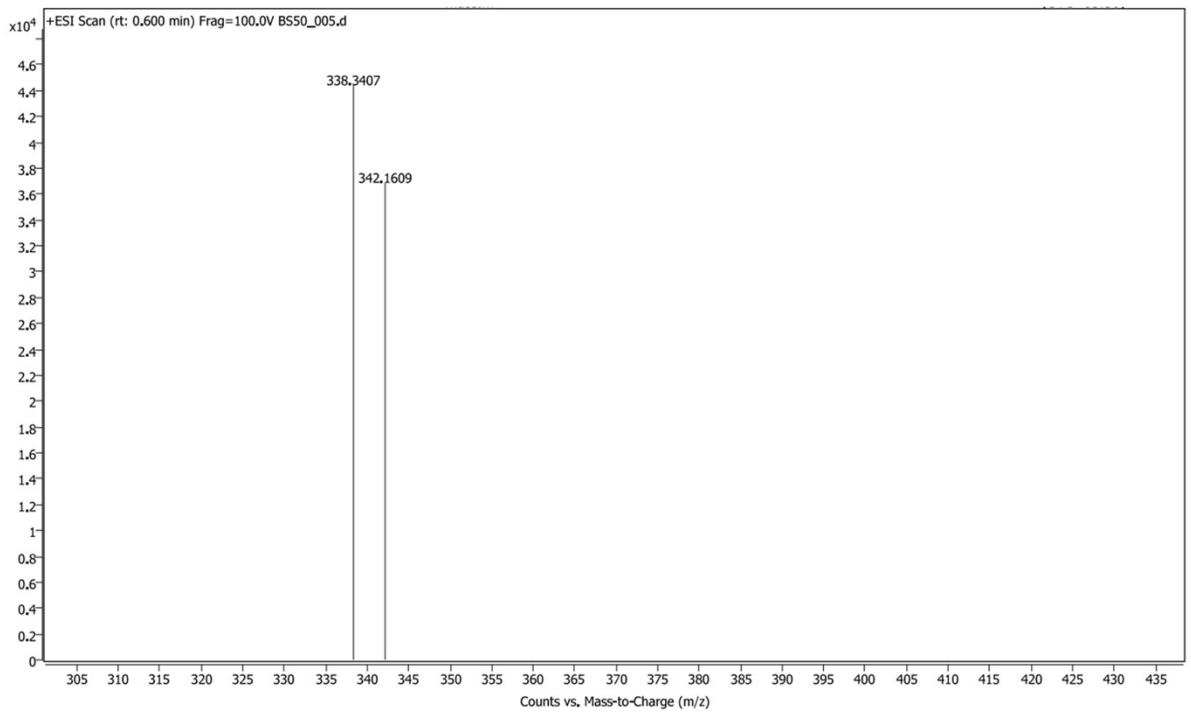
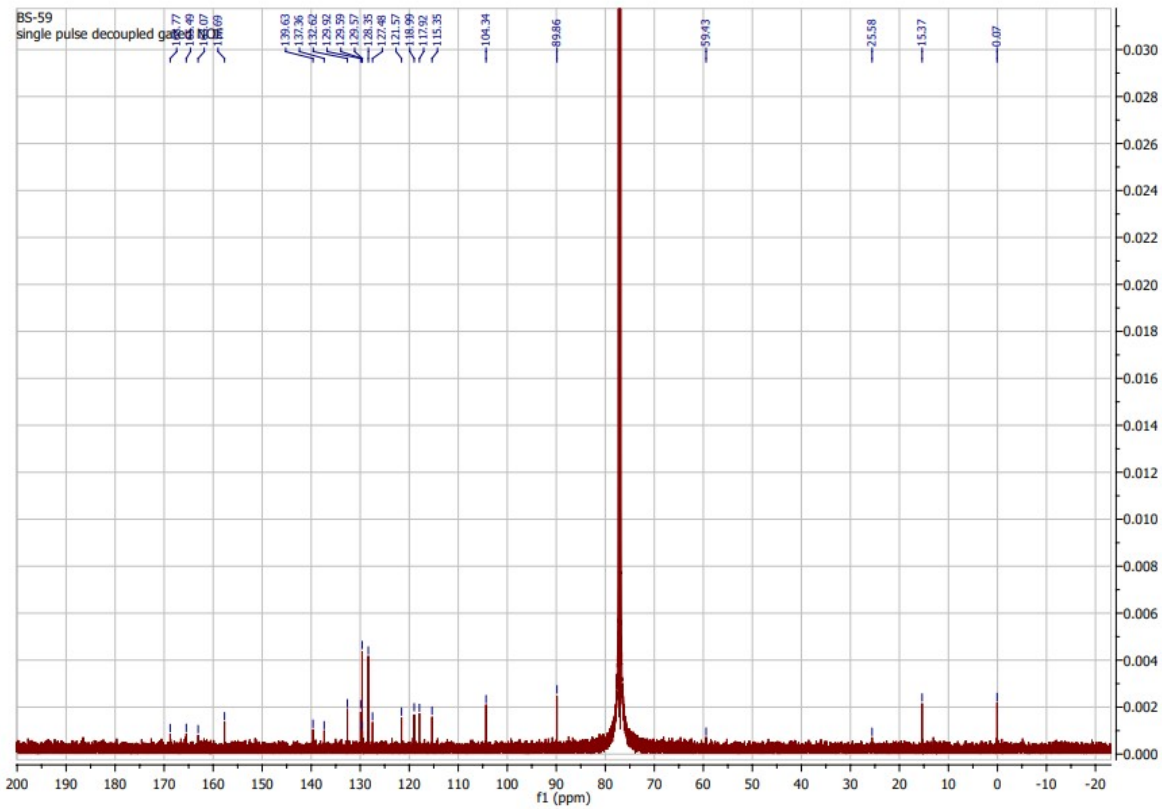
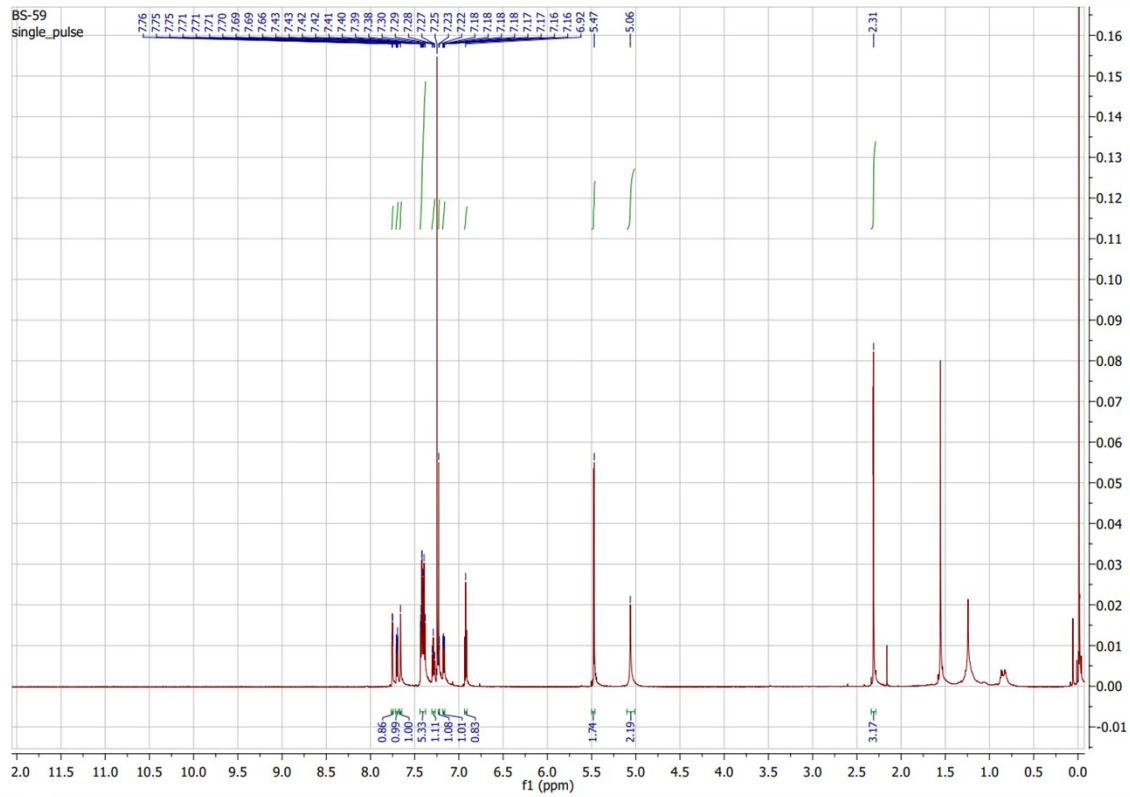


Figure 3. Spectrum of compound BV-3



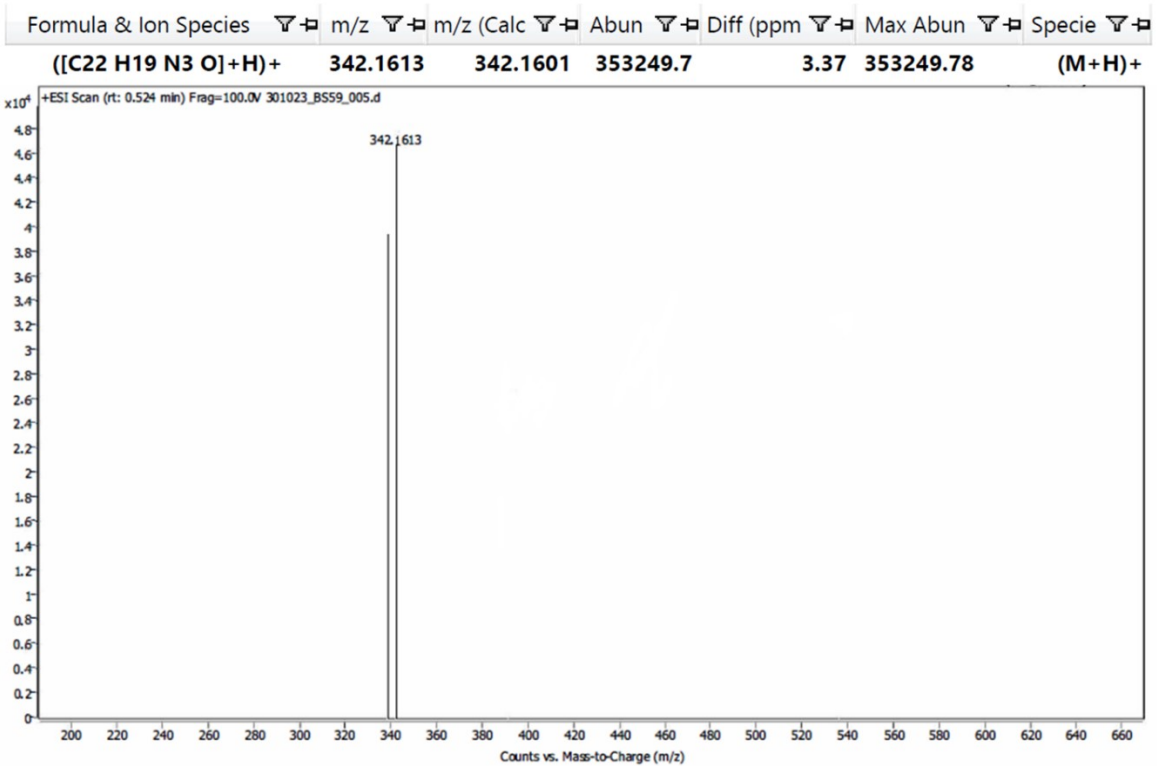
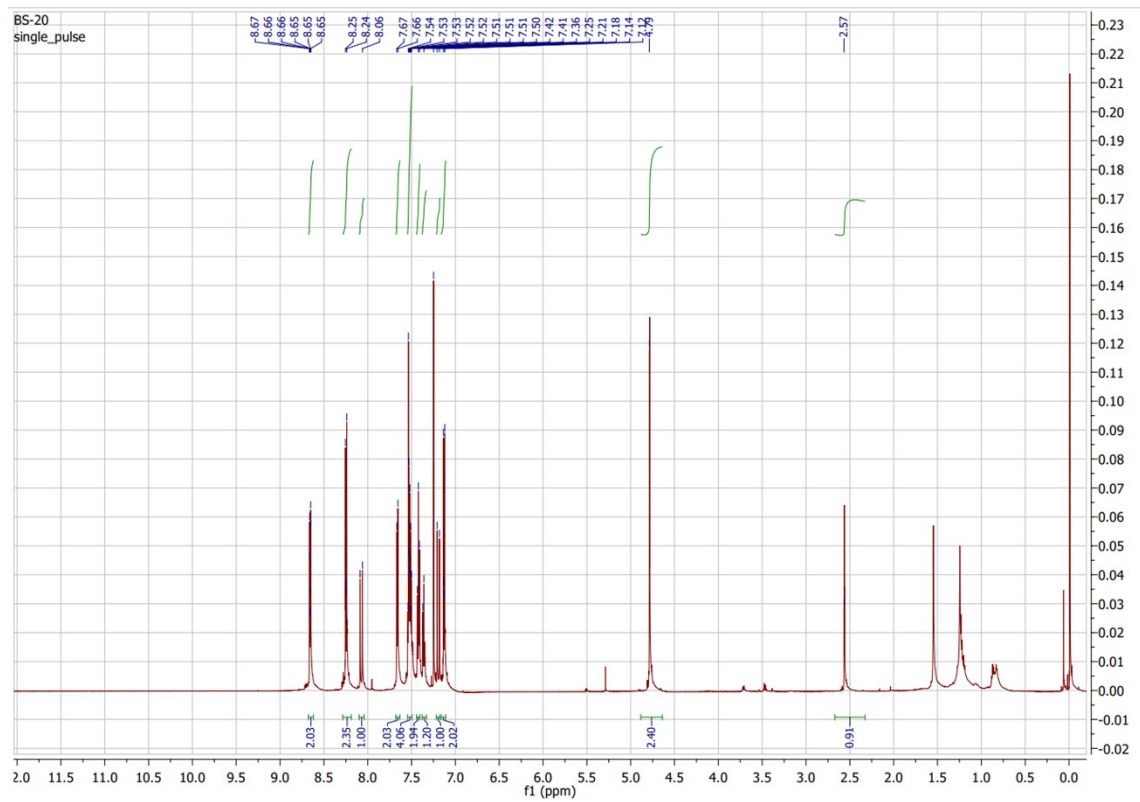
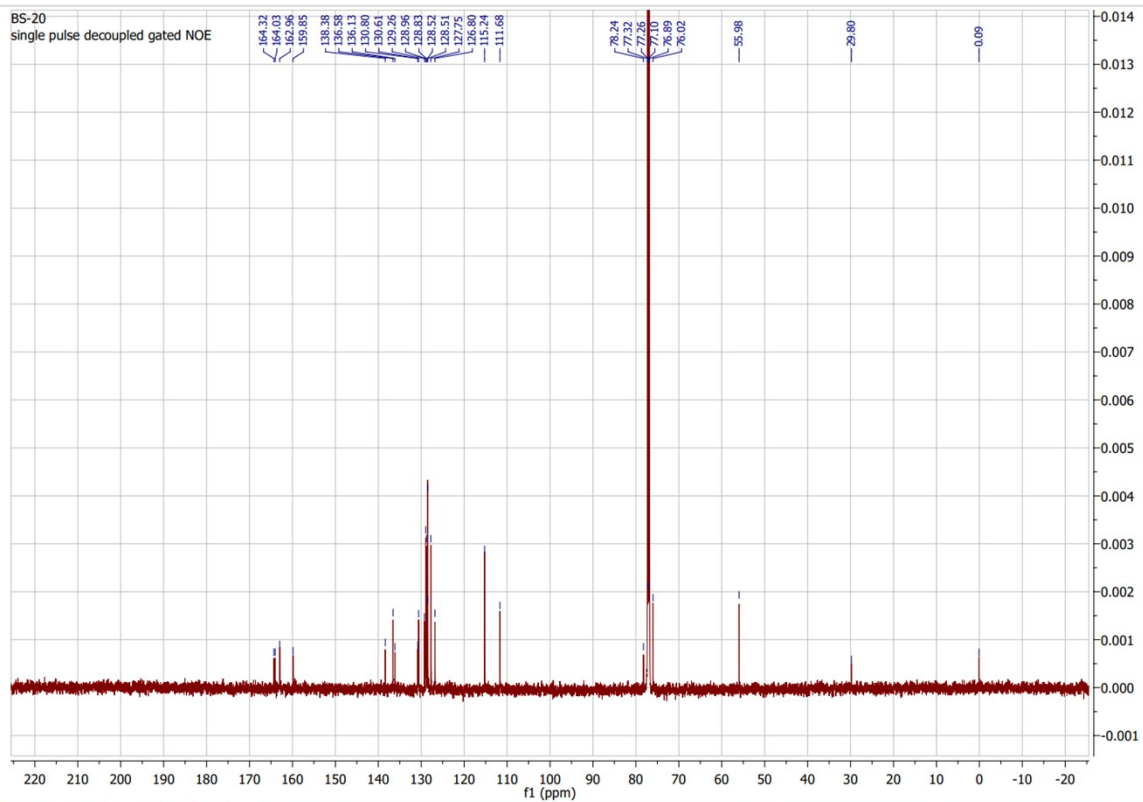


Figure 4. Spectrum of compound BV-4





Formula & Ion Species	m/z	m/z (Calc)	Abund	Diff (ppm)	Max Abun	Specie
[(C₂₇ H₂₀ N₂ O)]⁺H⁺	389.1676	389.1648	946999.81	6.75	946999.81	(M+H)⁺

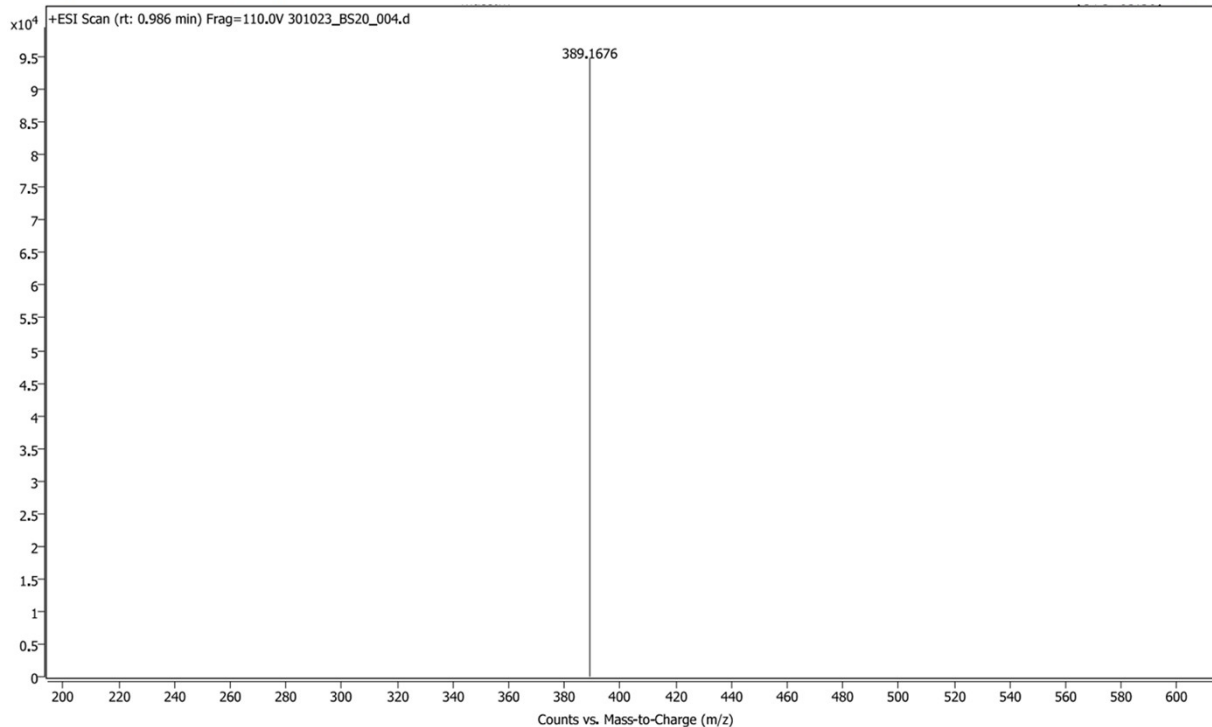
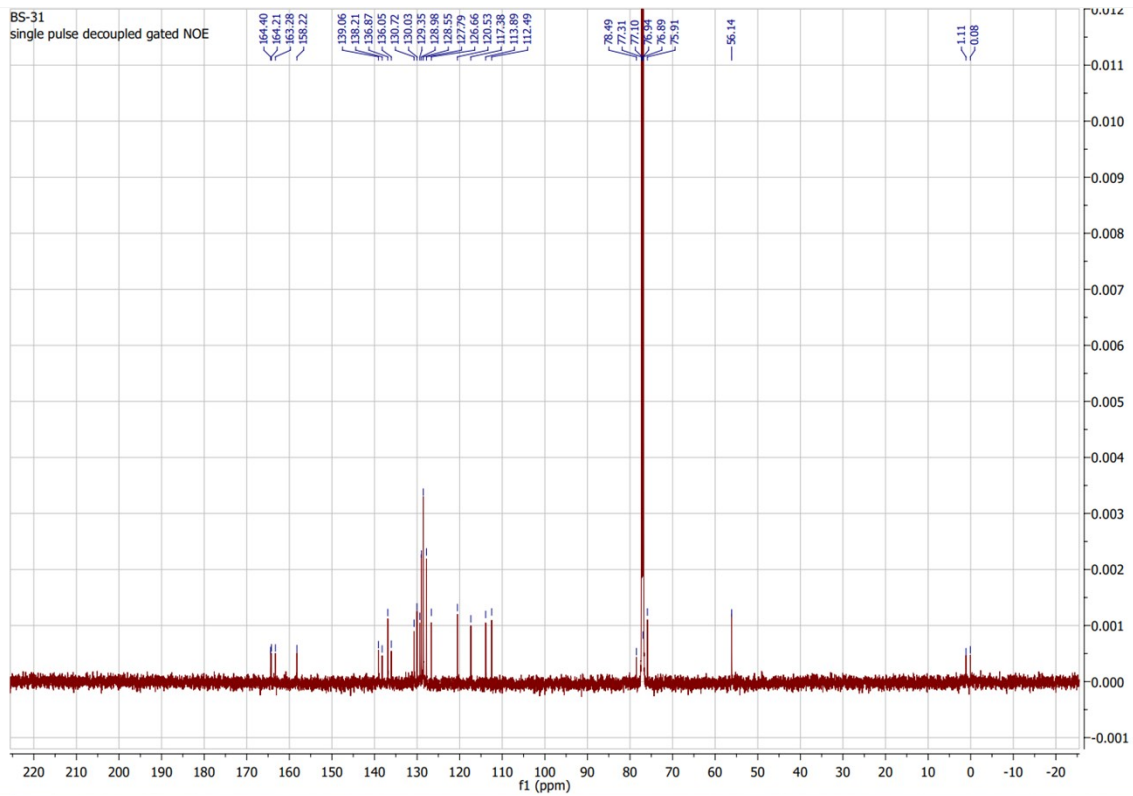
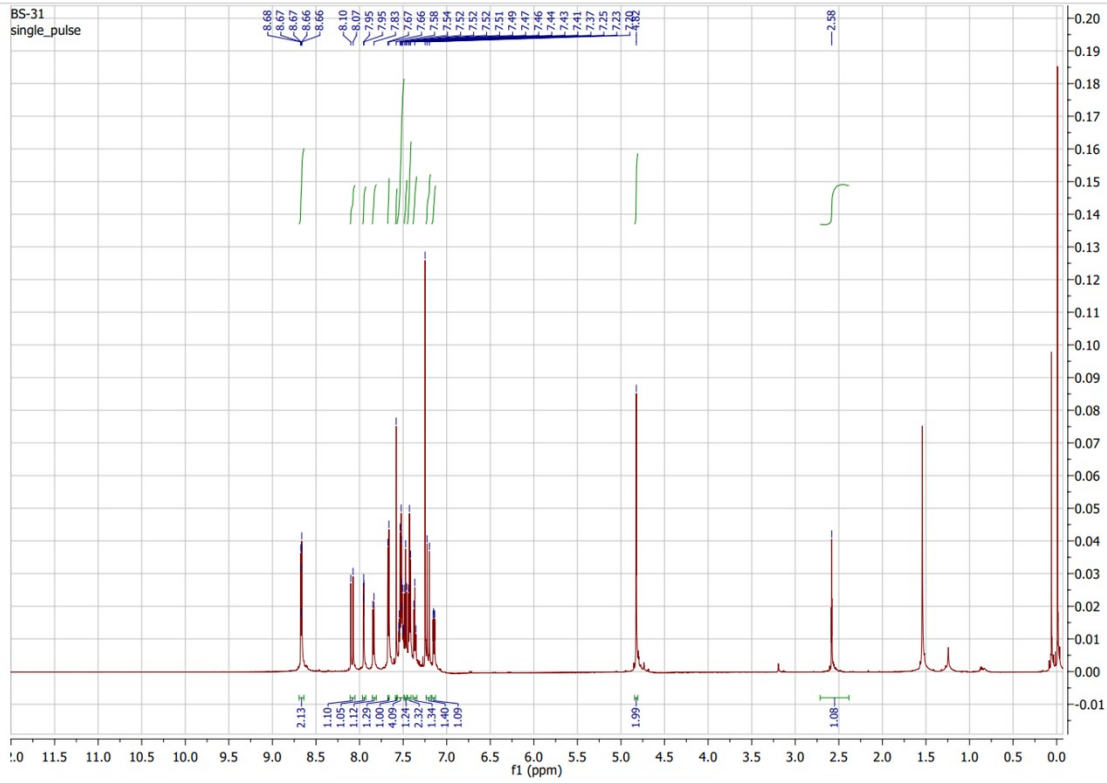


Figure 5. Spectrum of compound BV-5



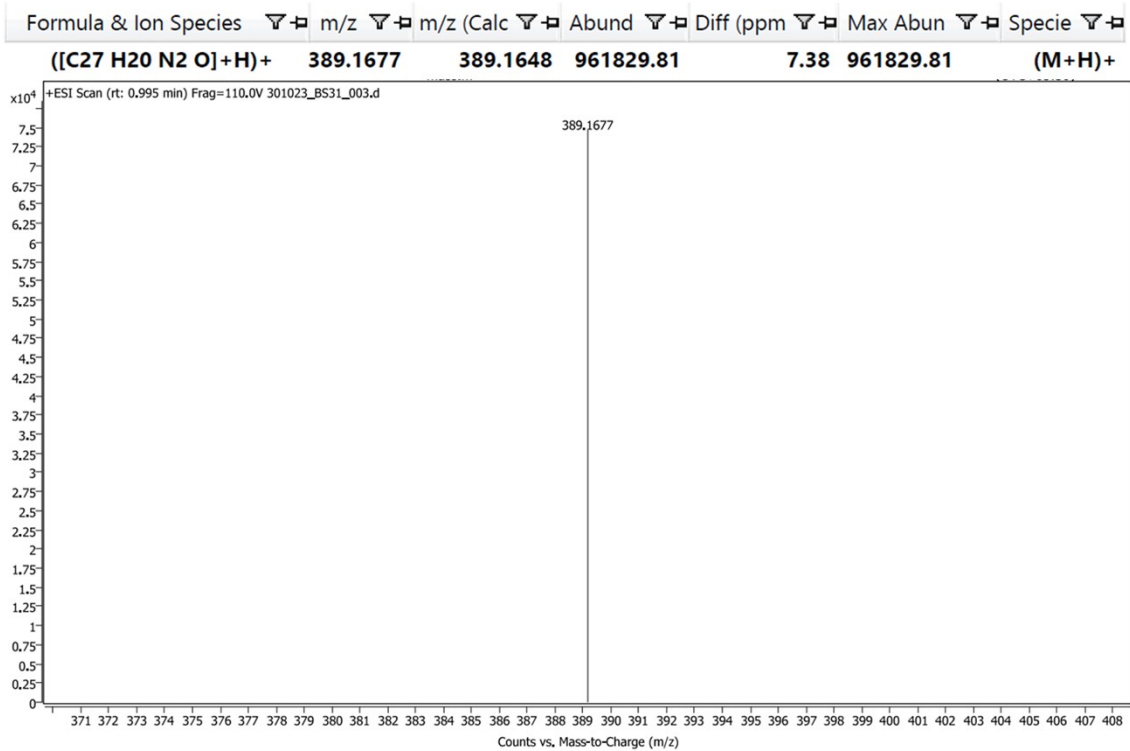
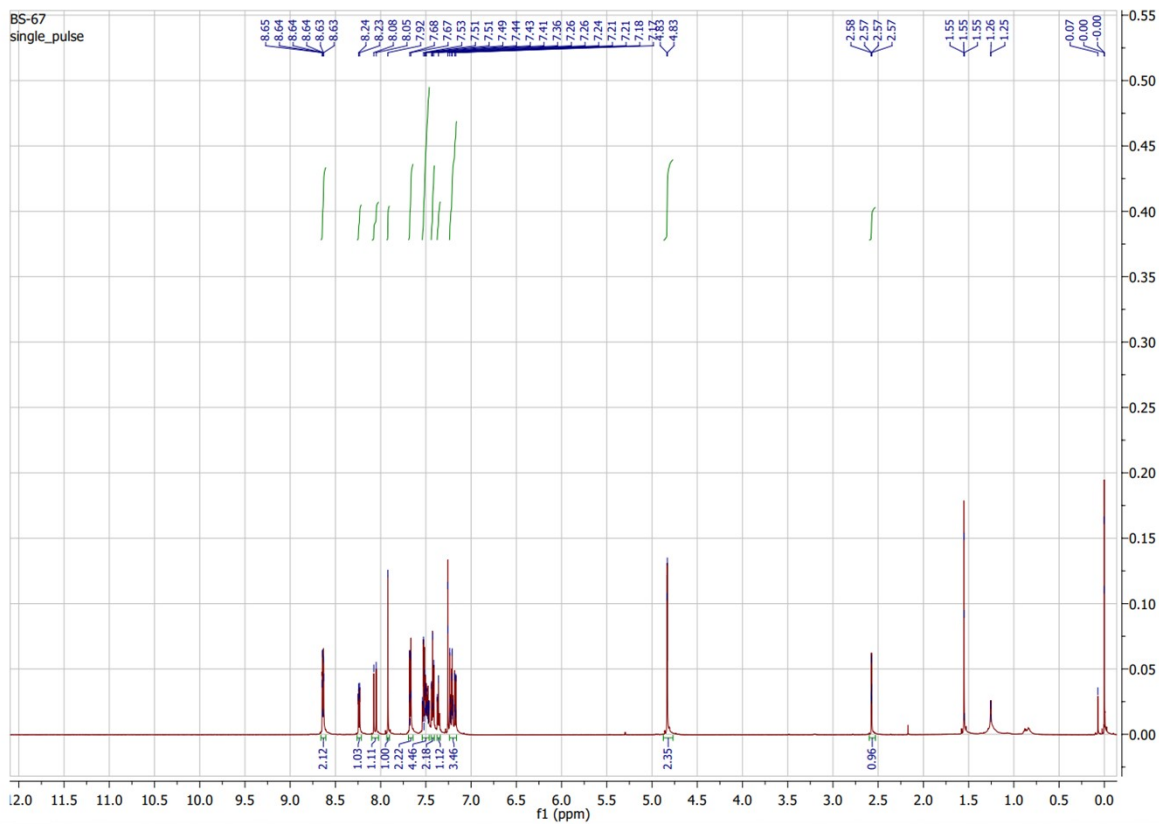
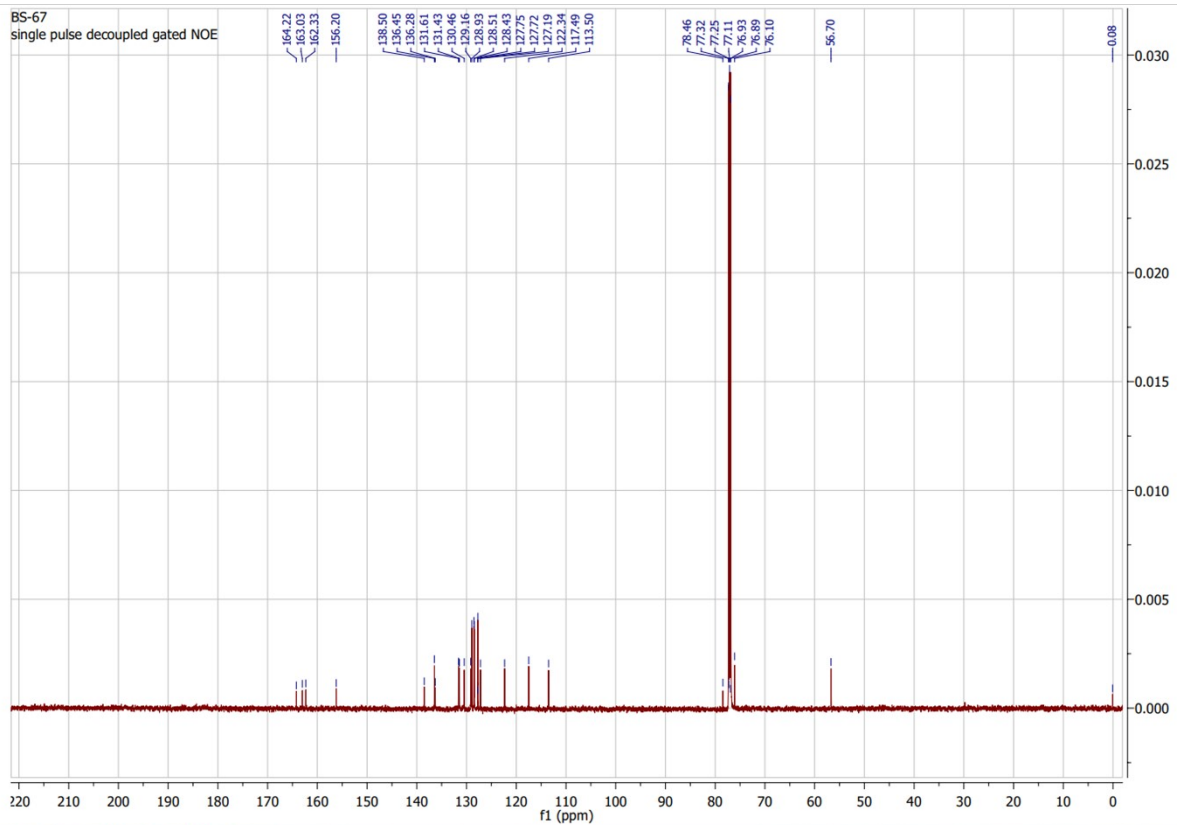


Figure 6. Spectrum of compound BV-6





Formula & Ion Species	m/z	m/z (Calc)	Abun	Diff (ppm)	Max Abun	Specie
[(C₂₇ H₂₀ N₂ O)+H]⁺	389.1654	389.1648	232790.2	1.54	232790.28	(M+H)⁺

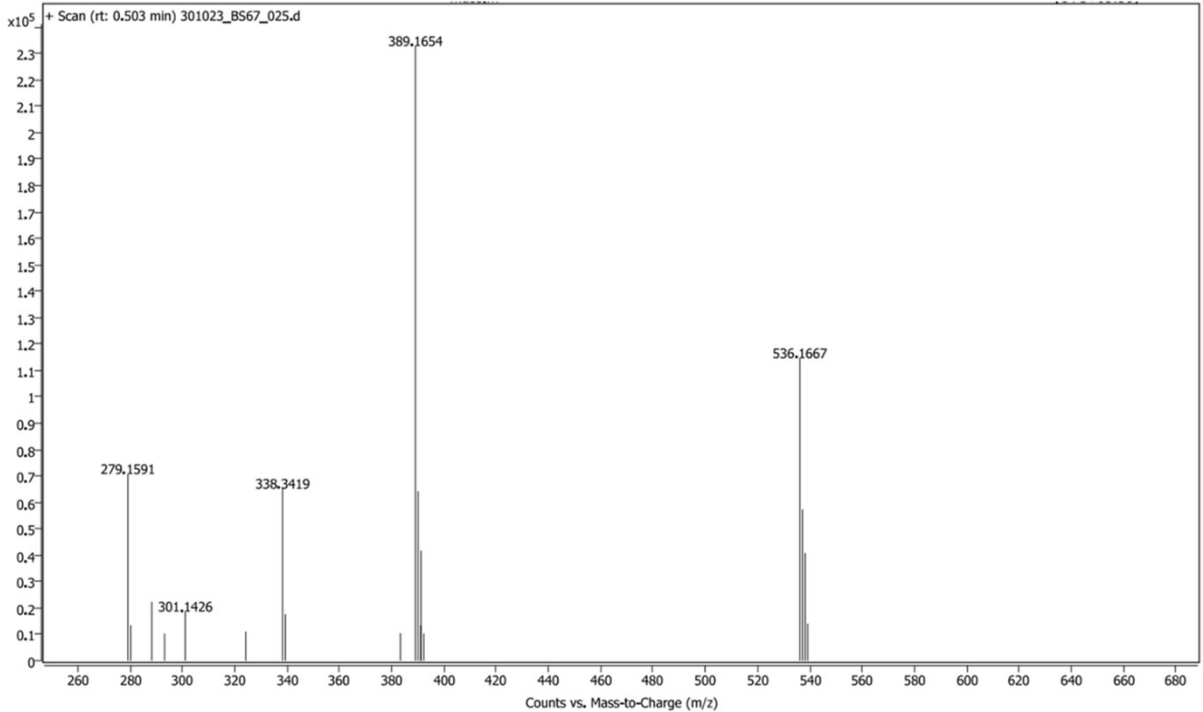
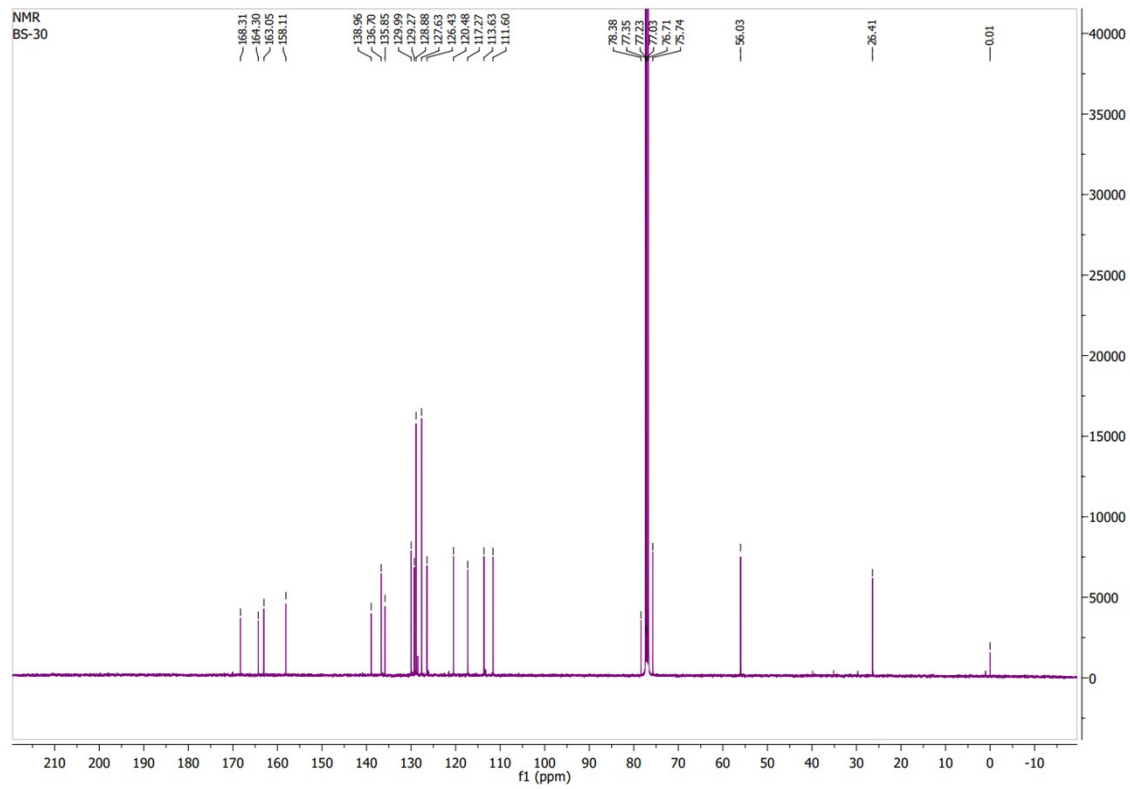
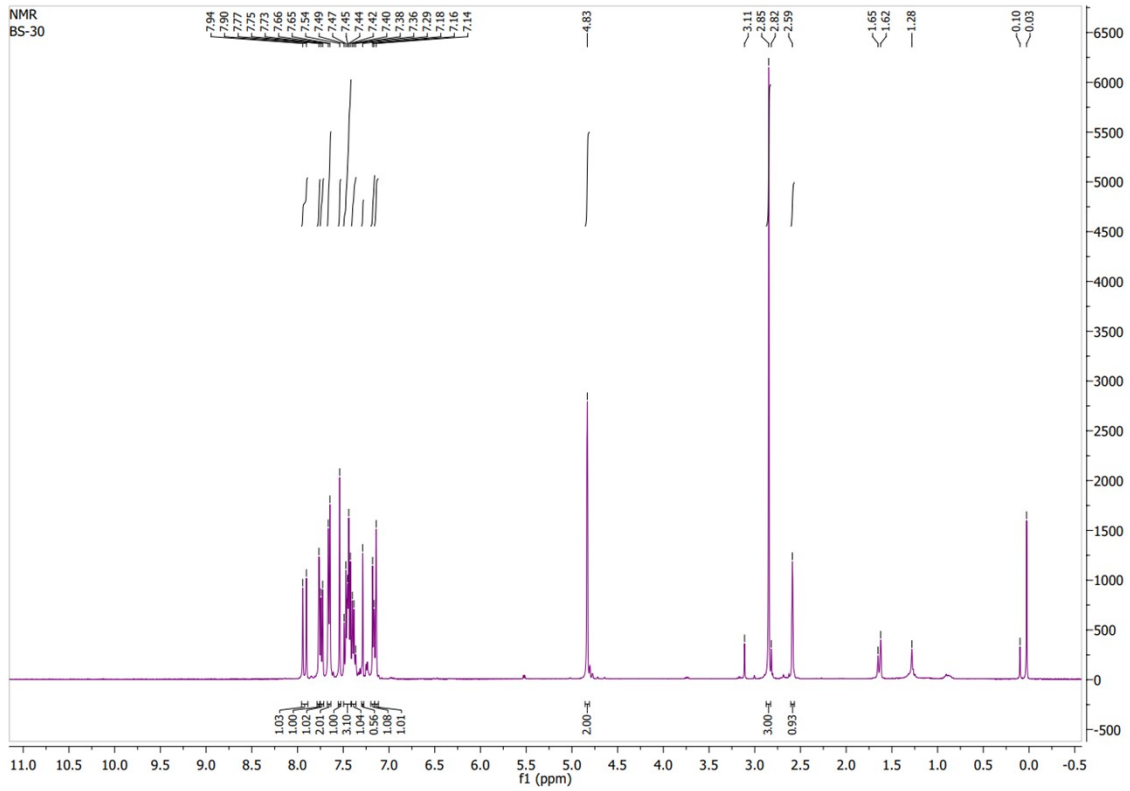


Figure 7. Spectrum of compound BV-7



Formula & Ion Species ∇ \square m/z ∇ \square m/z (Calc ∇ \square Abun ∇ \square Diff (ppm ∇ \square Max Abun ∇ \square Spec ∇ \square

[(C22 H18 N2 O)+H]+ **327.1493** **327.1492** **244760.17** **0.28** **244760.17** **(M+H)+**

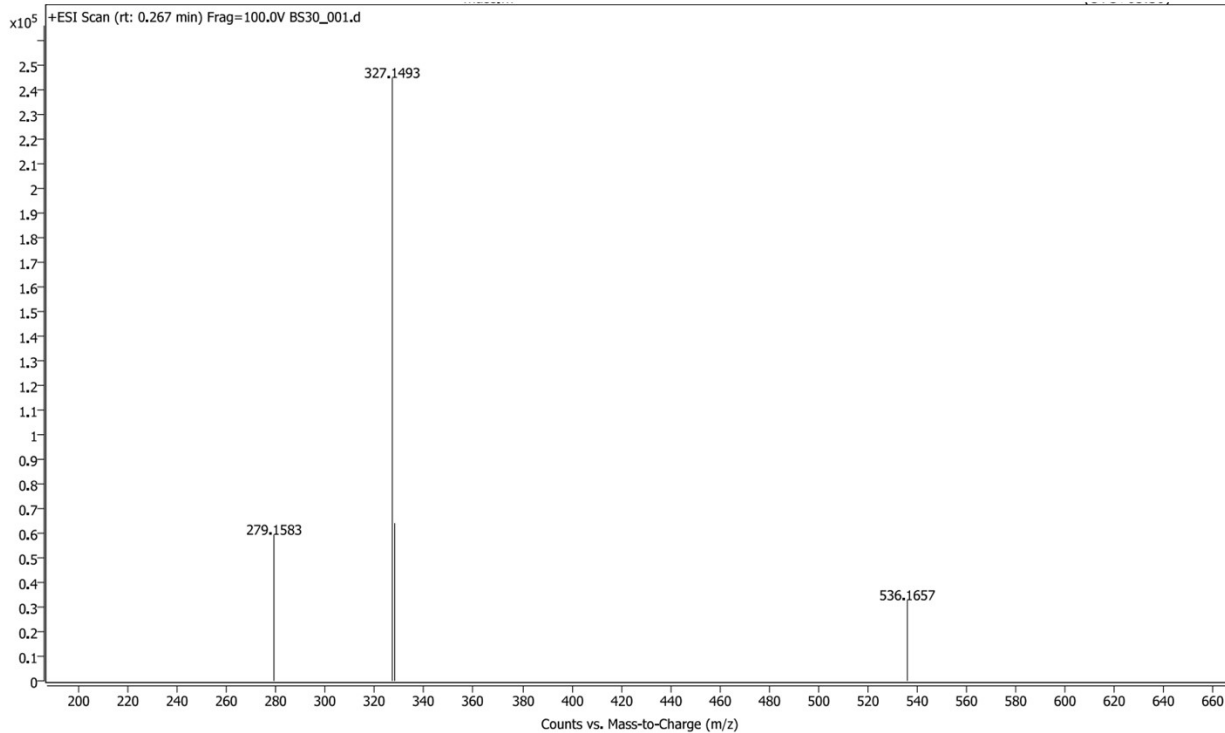
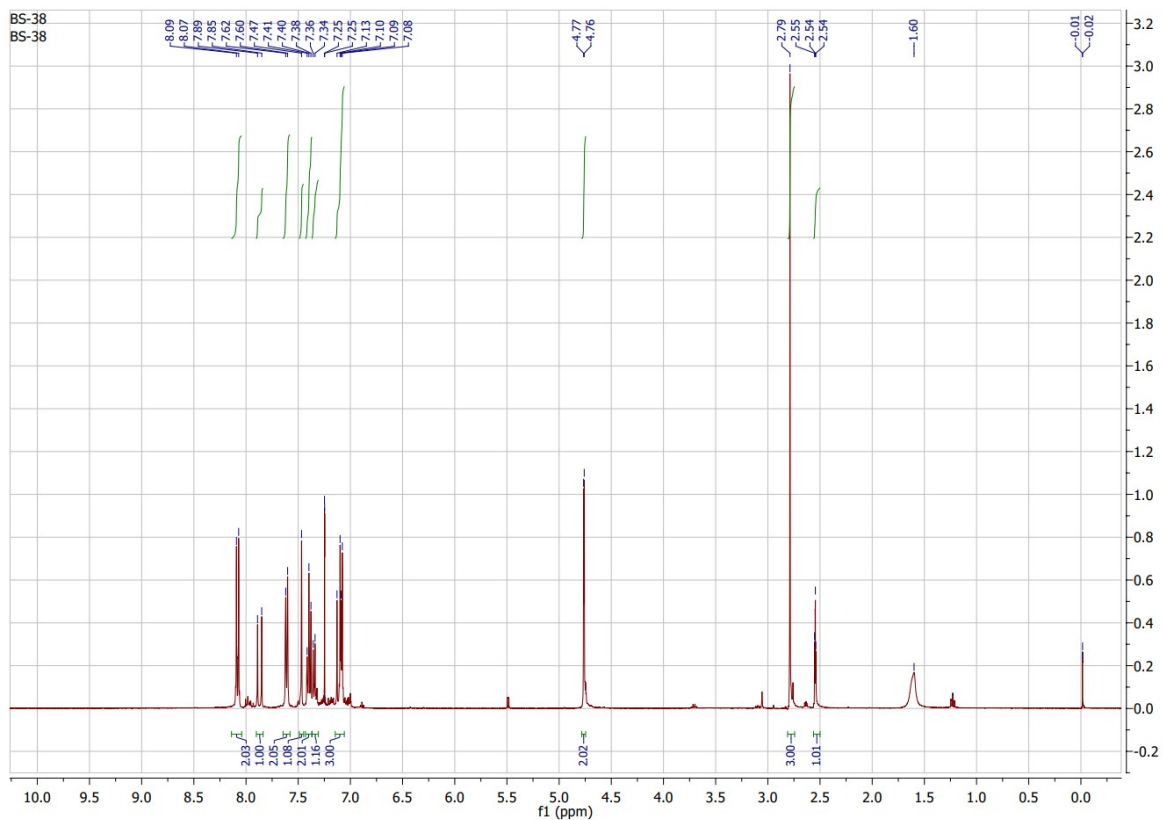
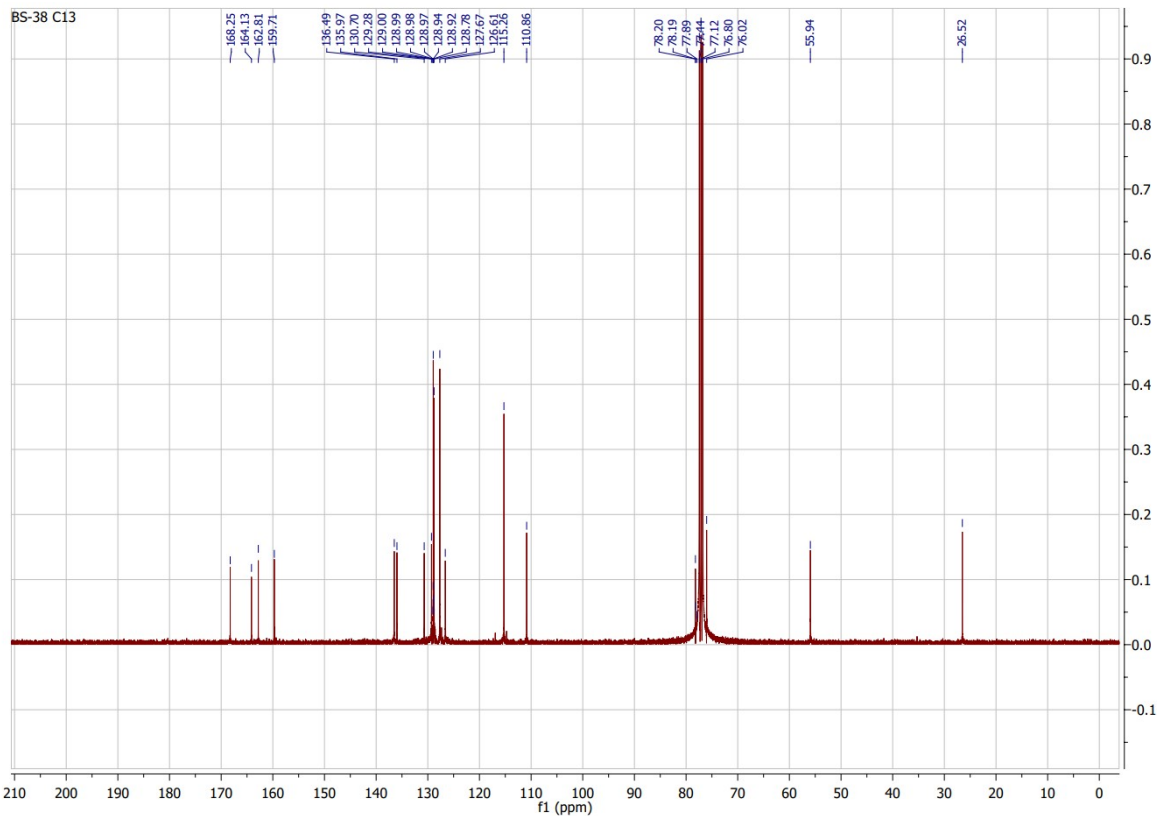


Figure 8. Spectrum of compound BV-8





Formula & Ion Species	m/z	m/z (Calc)	Abun	Diff (ppm)	Max Abun	Specie
[(C22 H18 N2 O)+H]⁺	327.1492	327.1492	176758.9	0.1	176758.92	(M+H)⁺

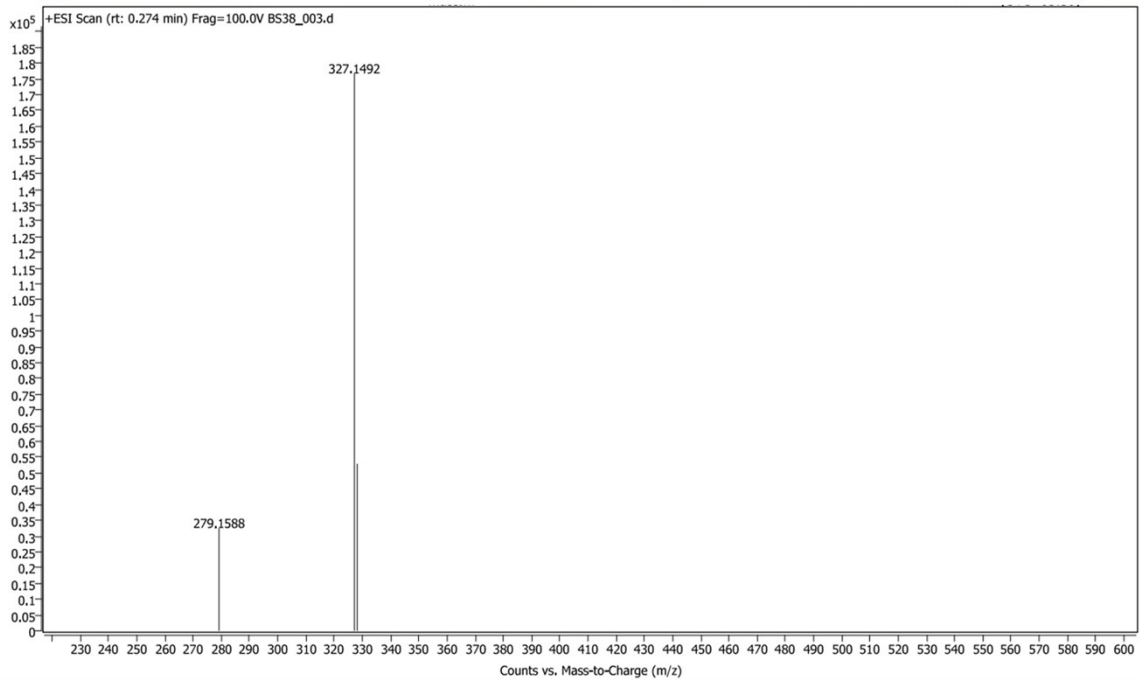
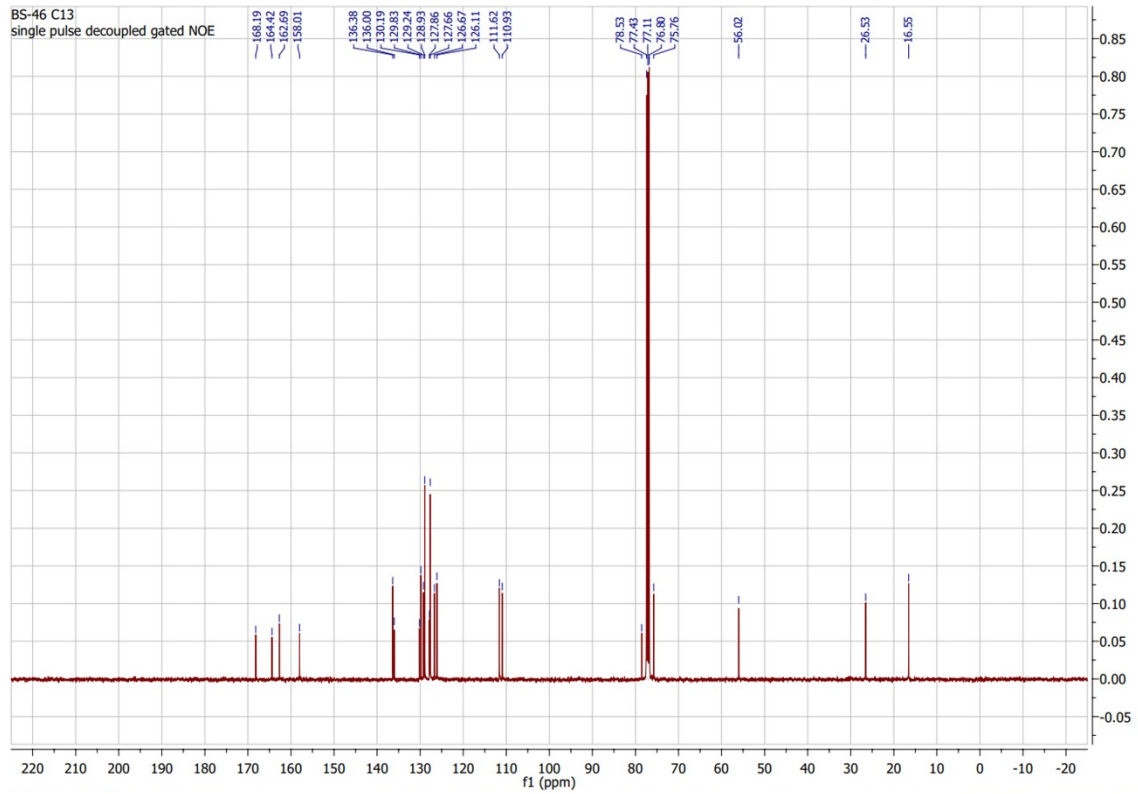
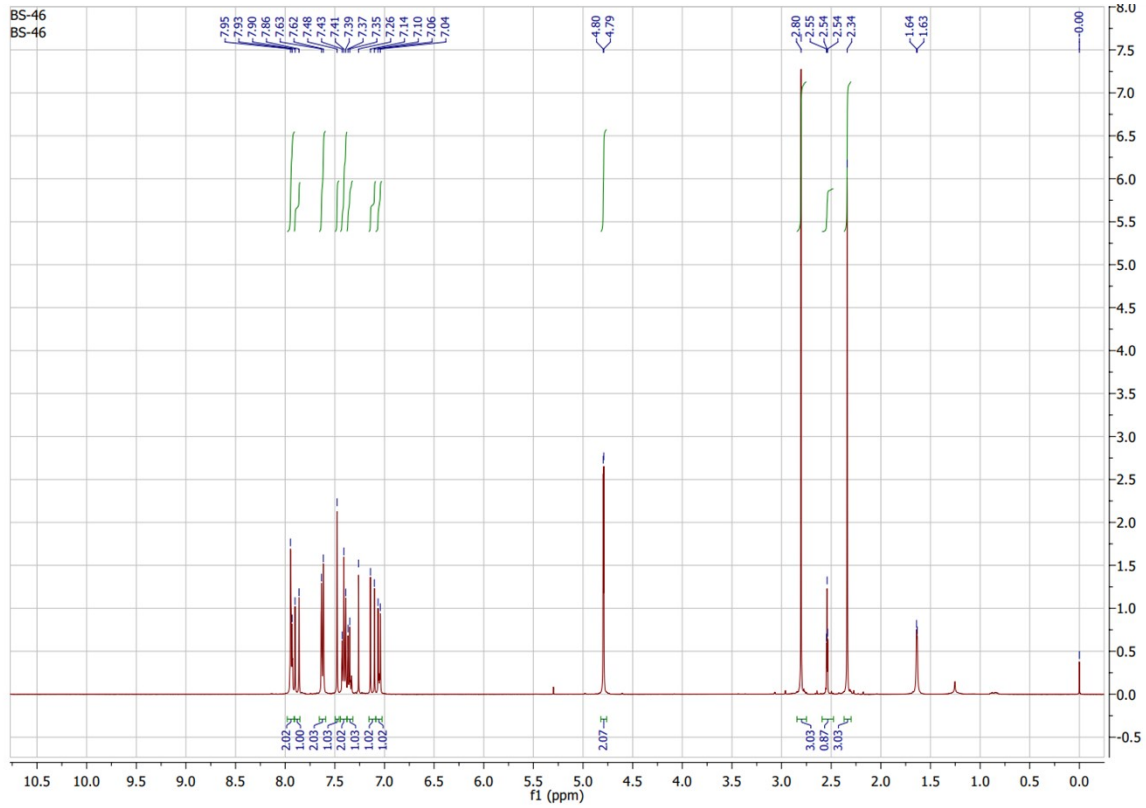


Figure 9. Spectrum of compound BV-9



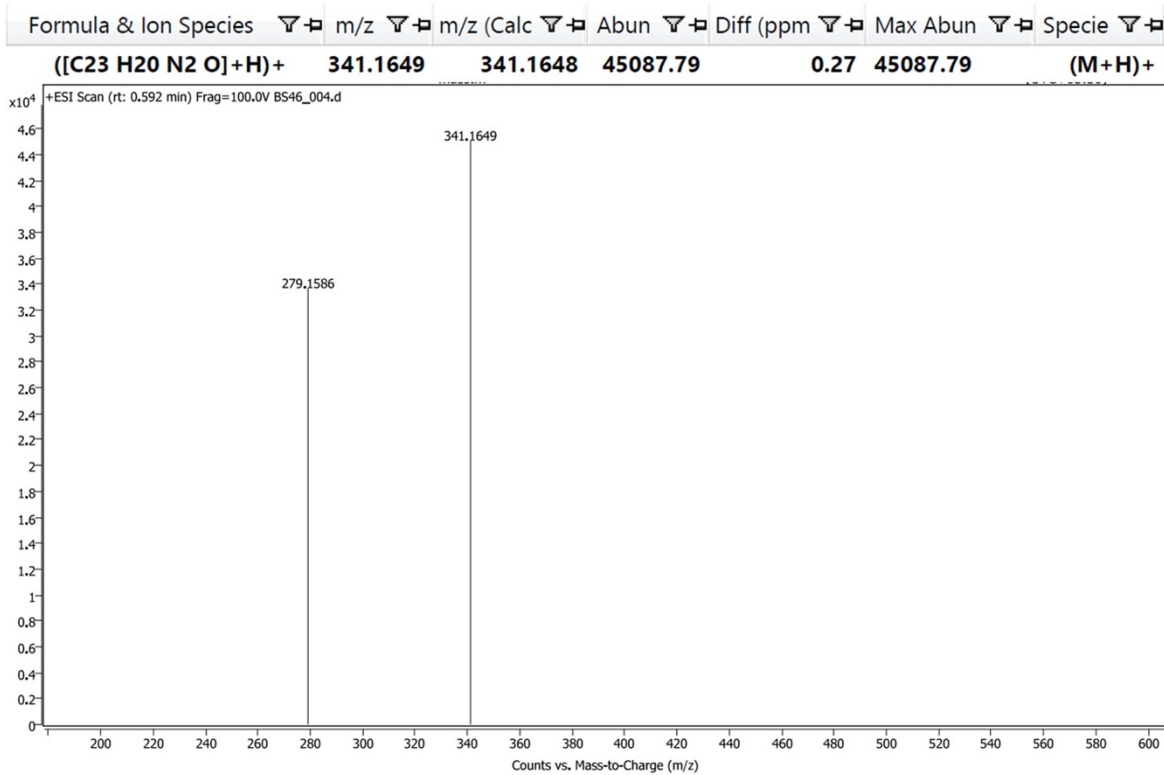
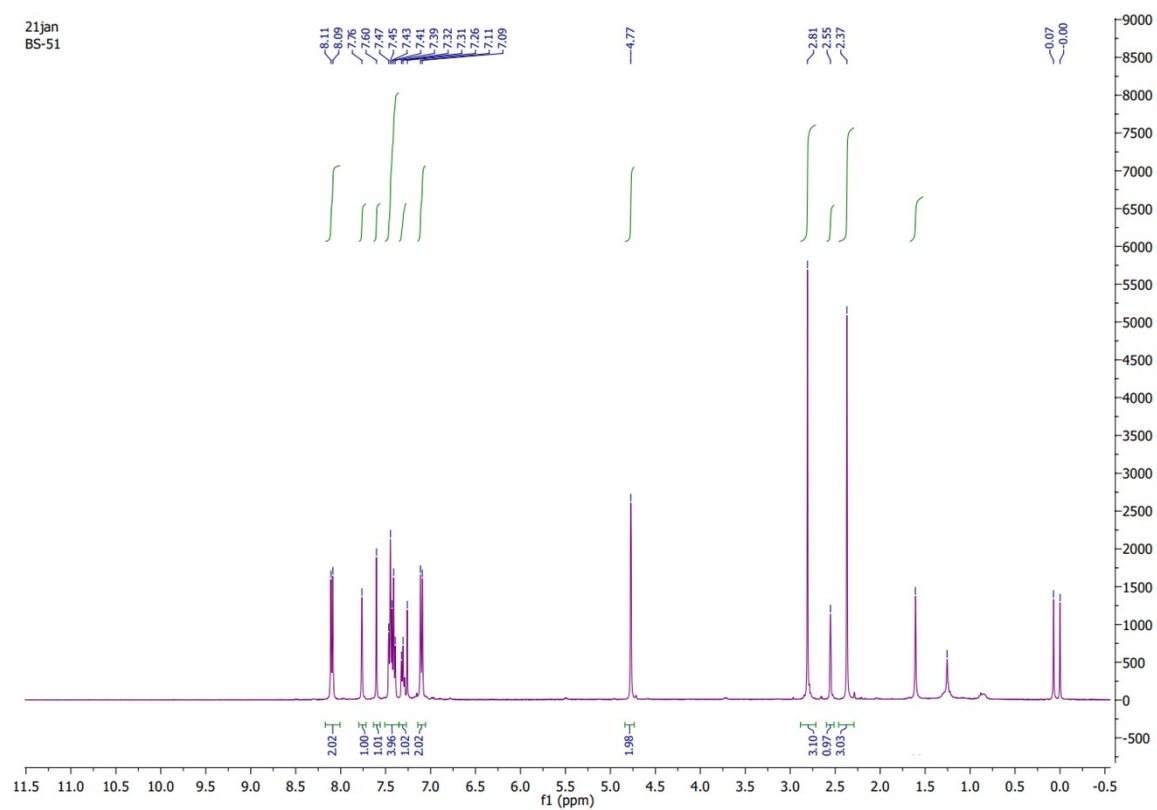
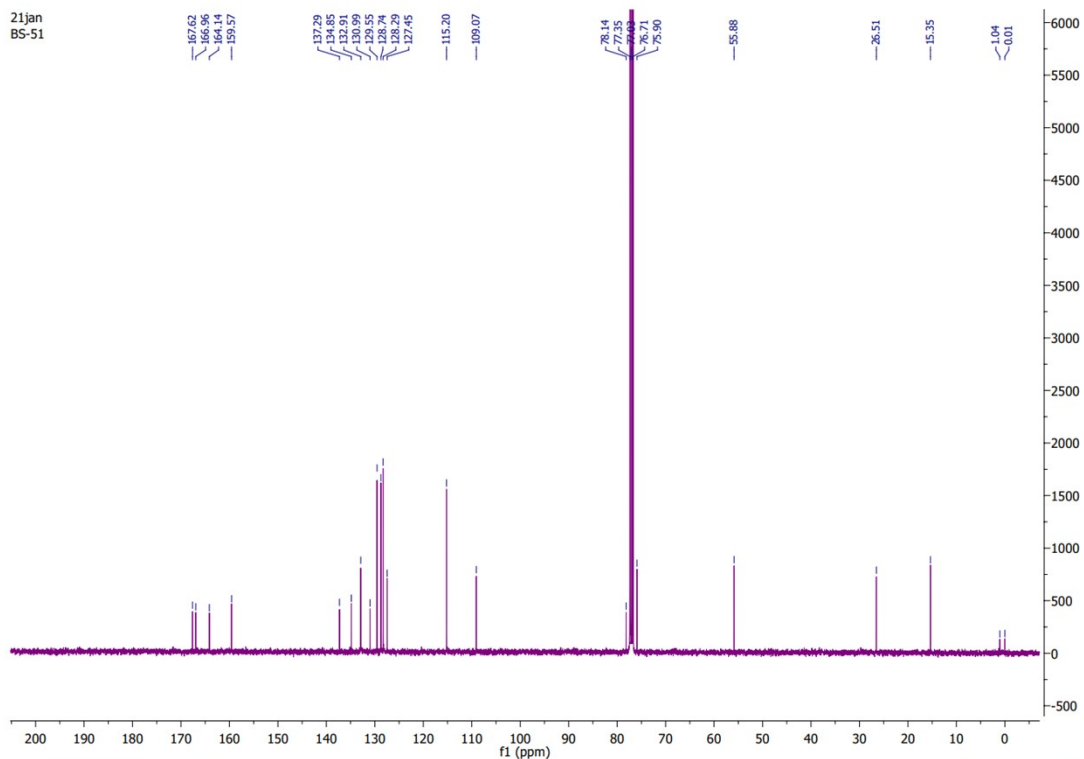


Figure 10. Spectrum of compound BV-10





Formula & Ion Species	m/z	m/z (Calc)	Abun	Diff (ppm)	Max Abun	Specie
[(C23 H20 N2 O)+H]⁺	341.1652	341.1648	339662.2	1.06	339662.25	(M+H)⁺

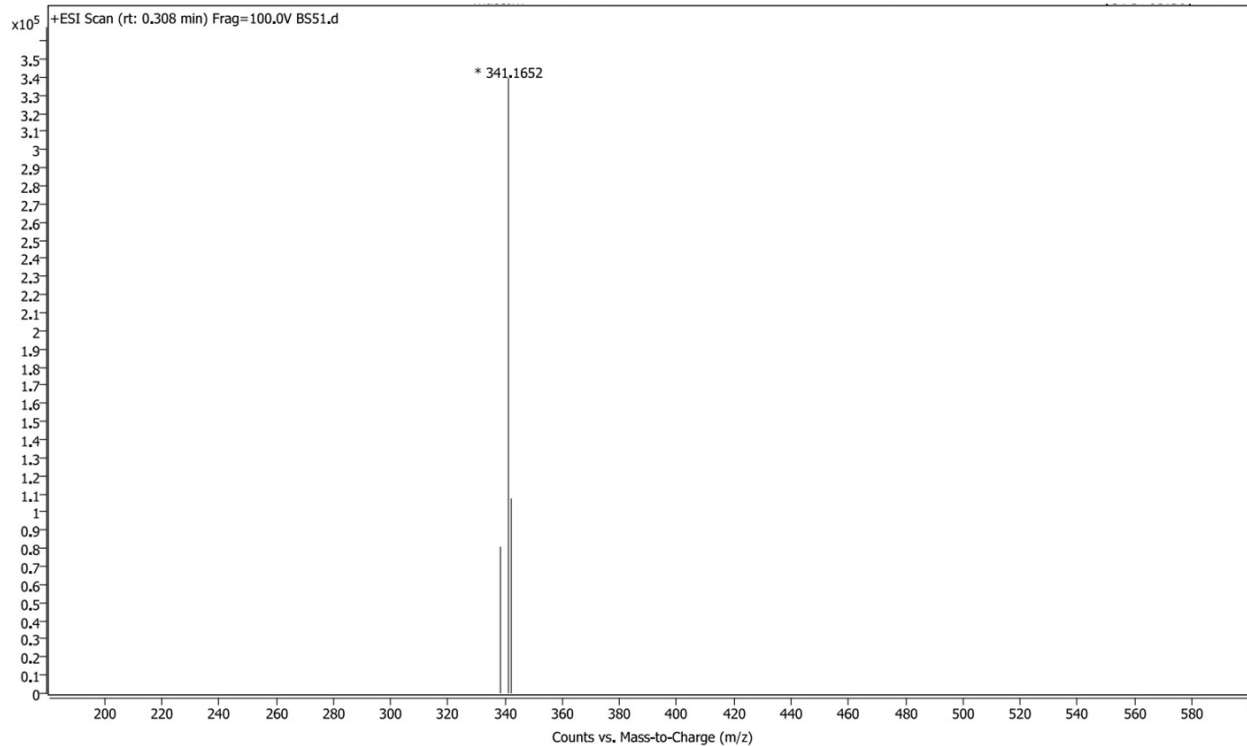
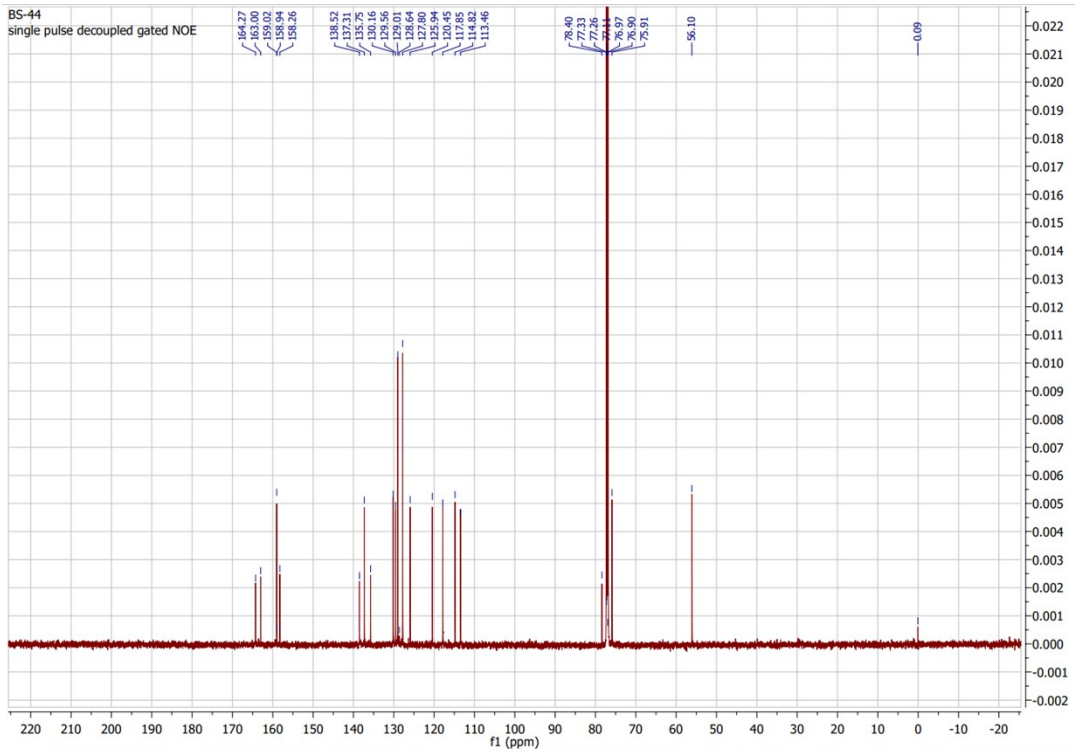
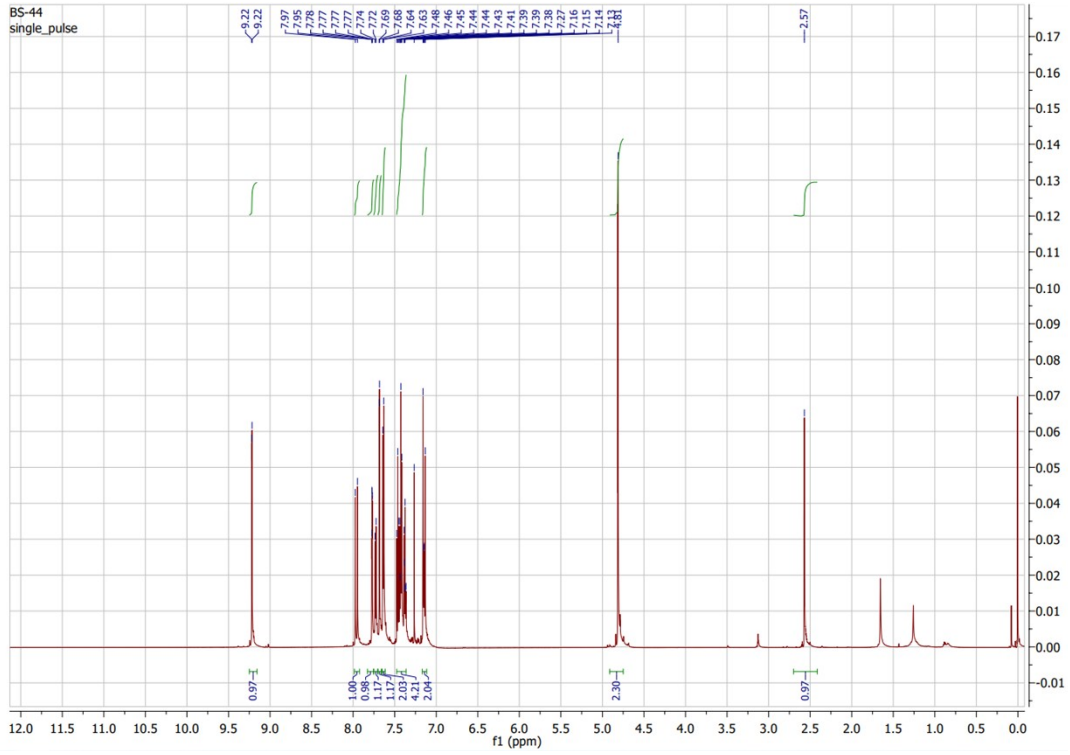


Figure 11. Spectrum of compound BV-11



Formula & Ion Species ∇ \square m/z ∇ \square m/z (Calc ∇ \square Abun ∇ \square Diff (ppm ∇ \square Max Abun ∇ \square Specie / ∇ \square

[(C₂₁H₁₆N₂O)]⁺H⁺ 313.1336 313.1335 135488.05 0.17 135488.05 (M+H)⁺

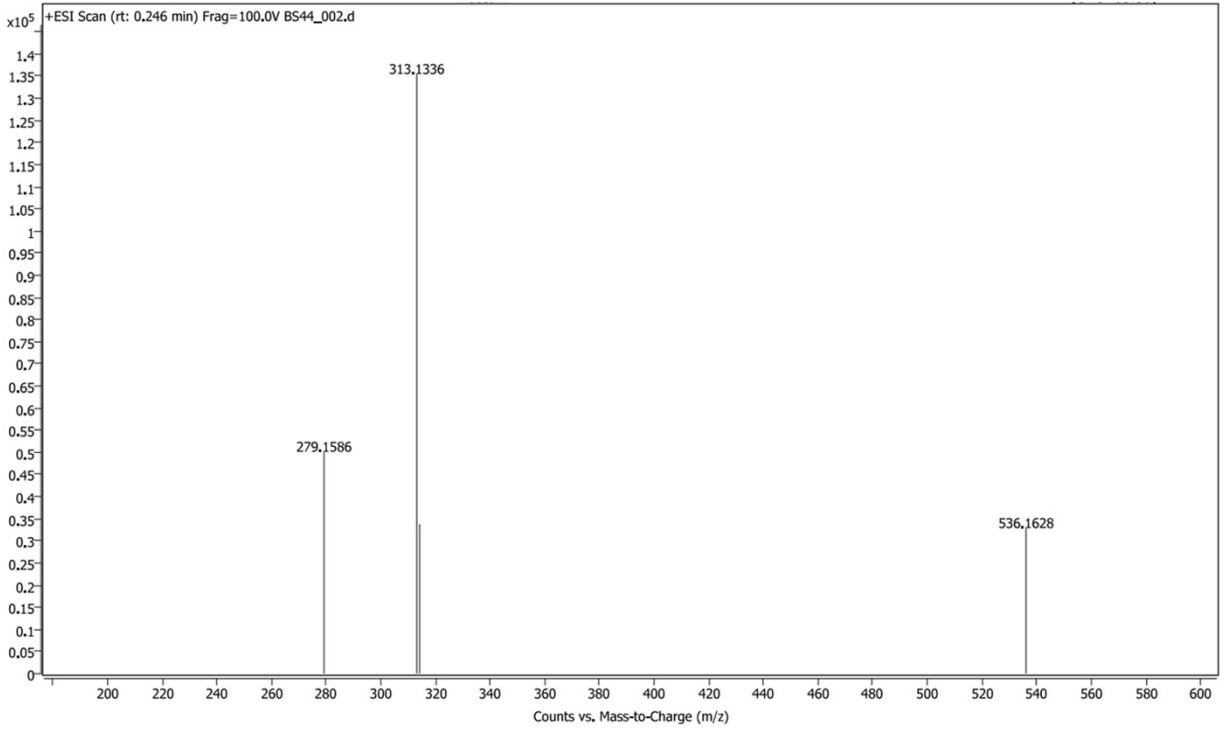
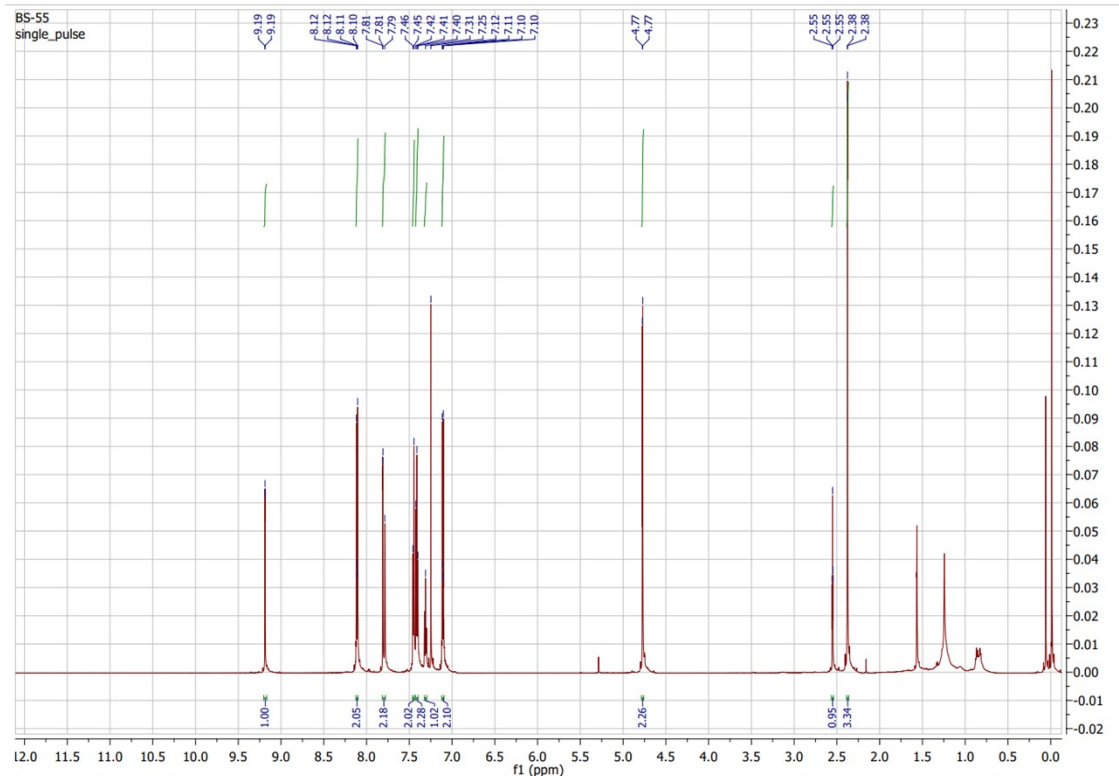


Figure 12. Spectrum of compound BV-12



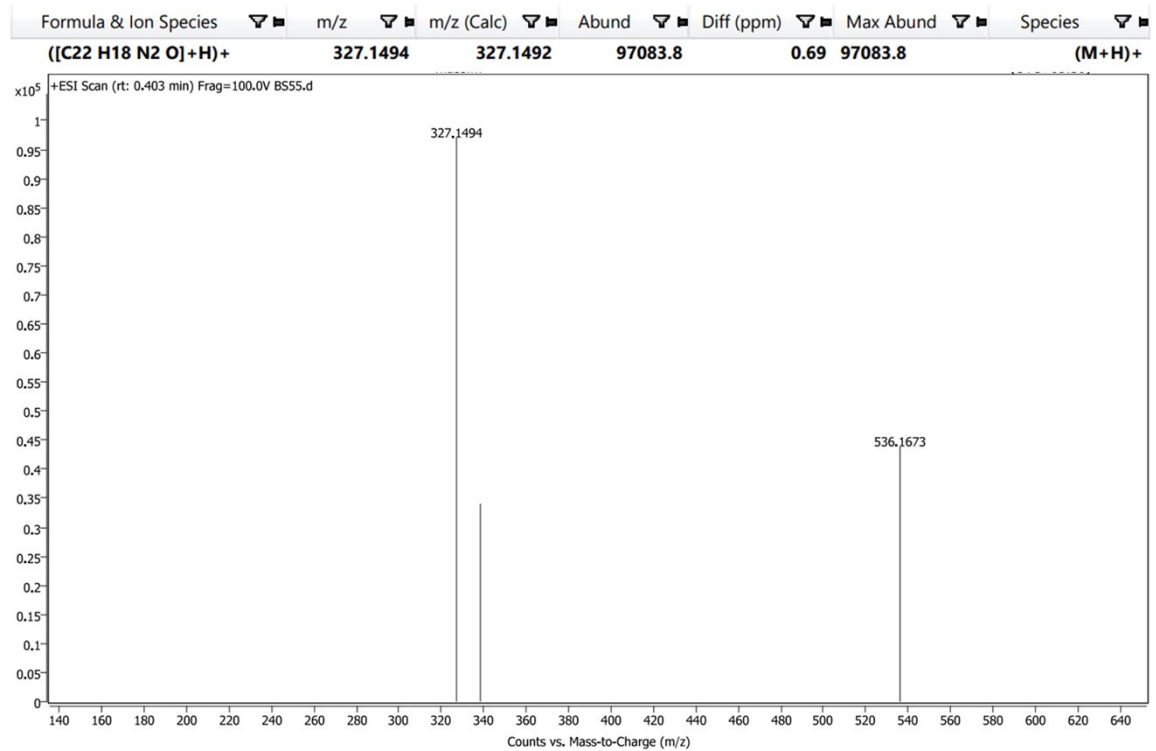
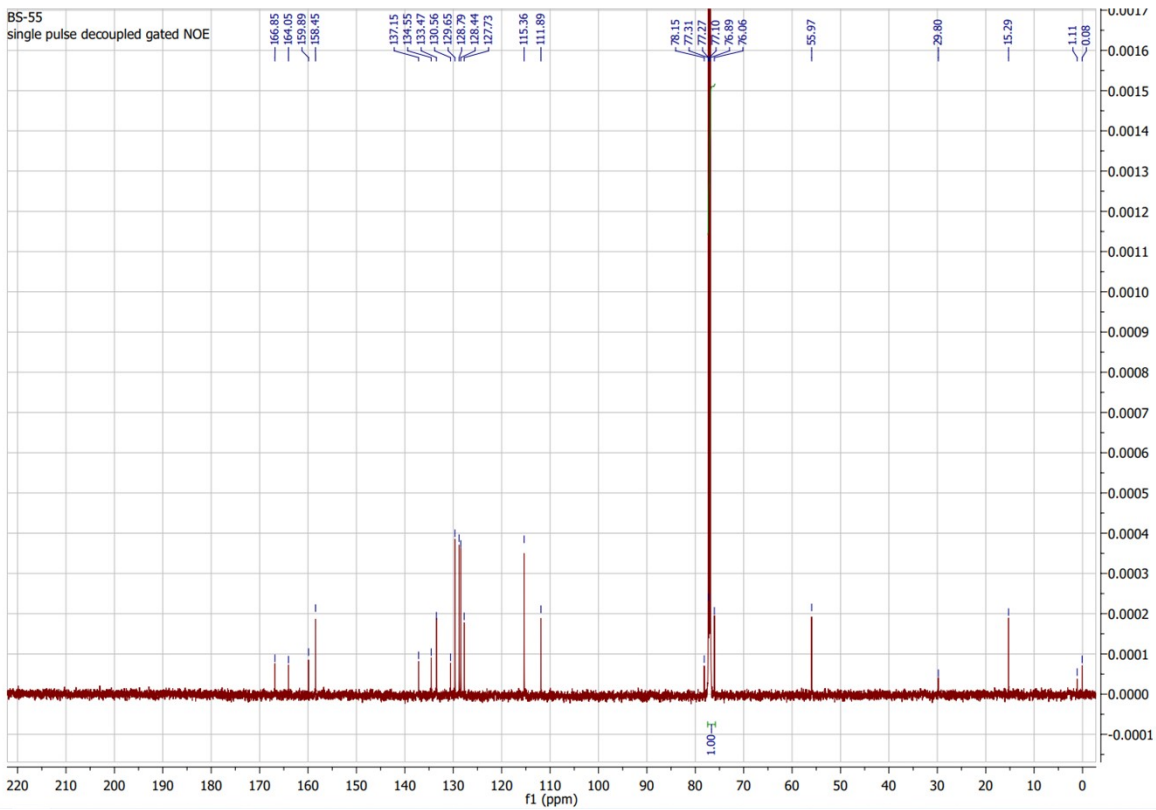
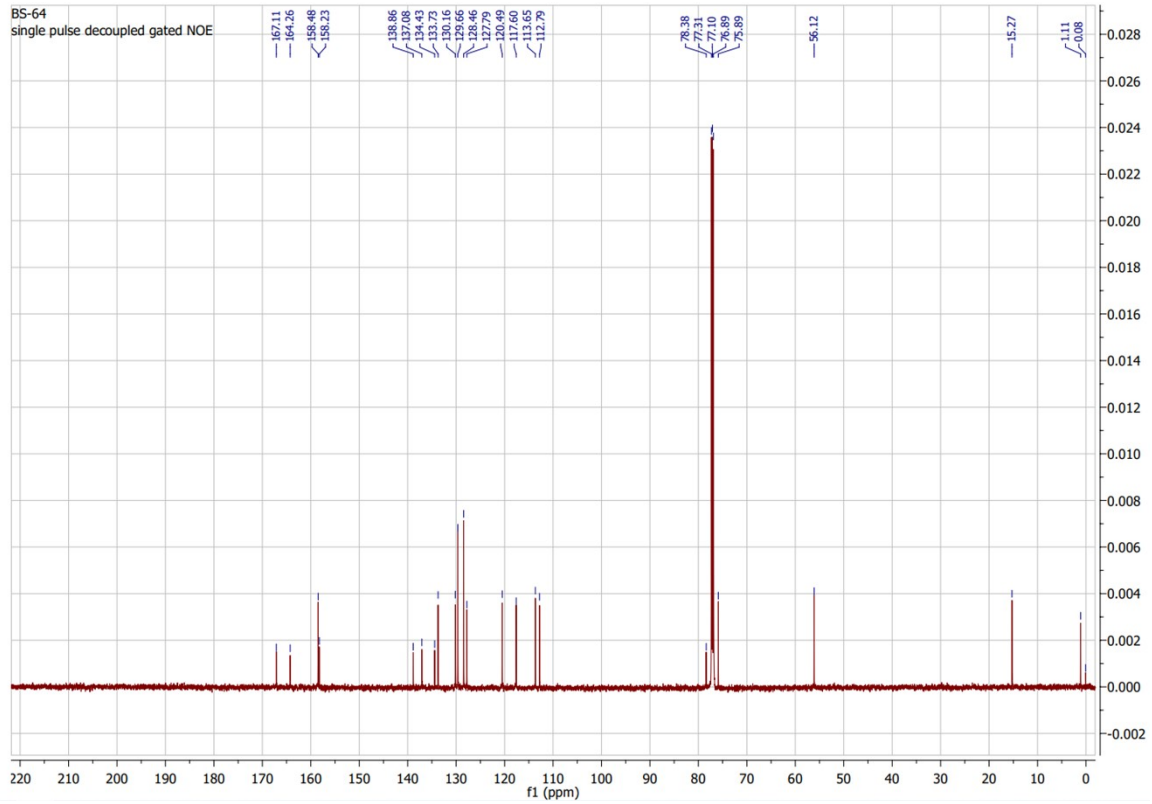
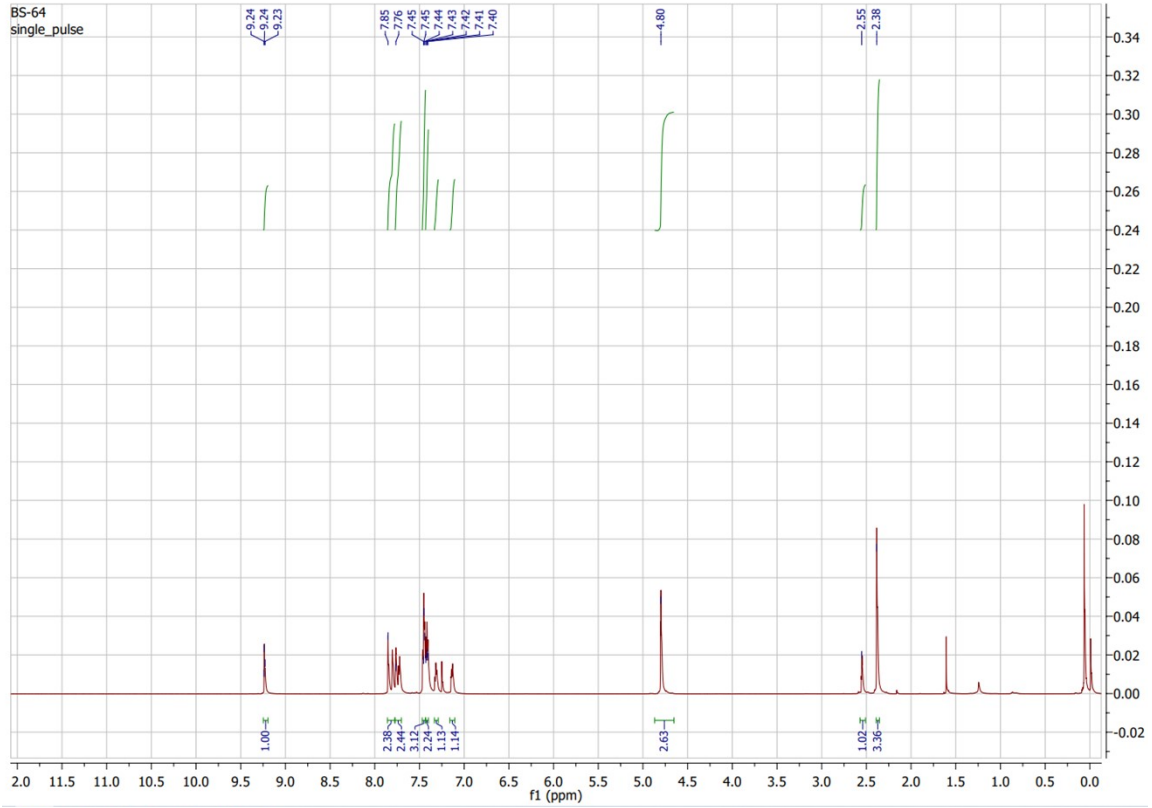


Figure 13. Spectrum of compound BV-13



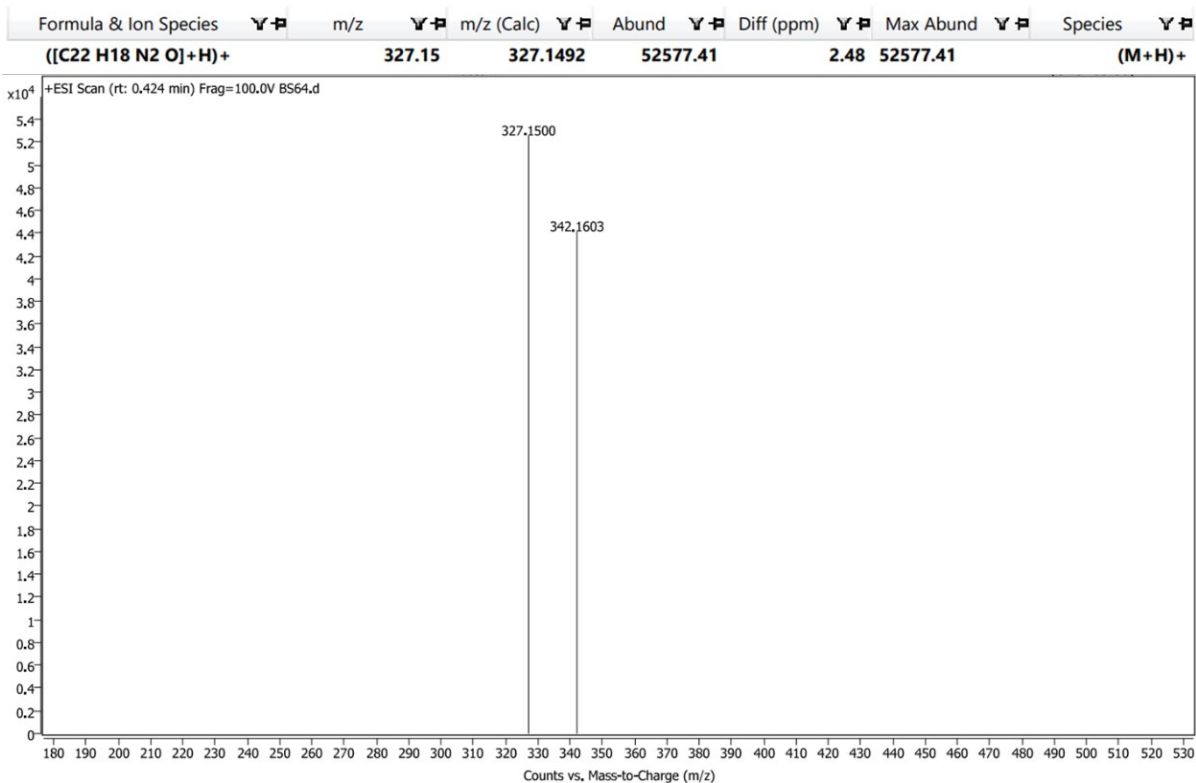
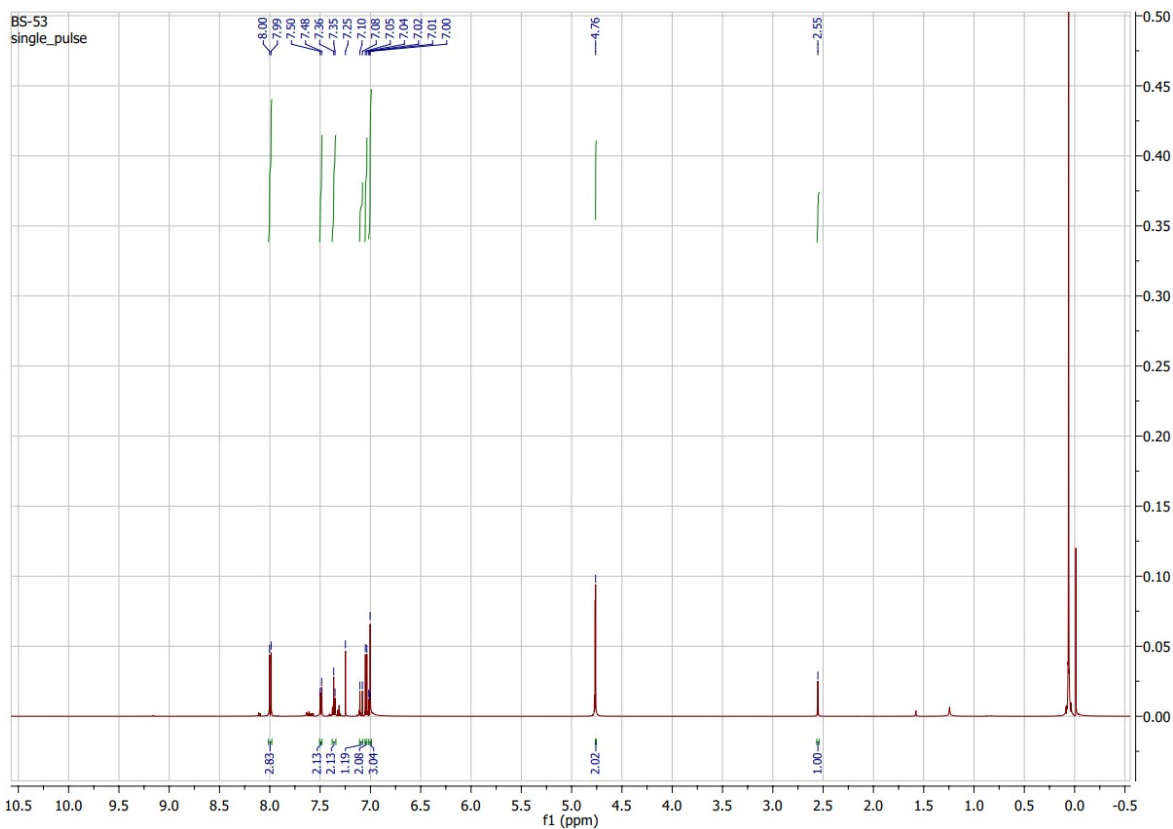
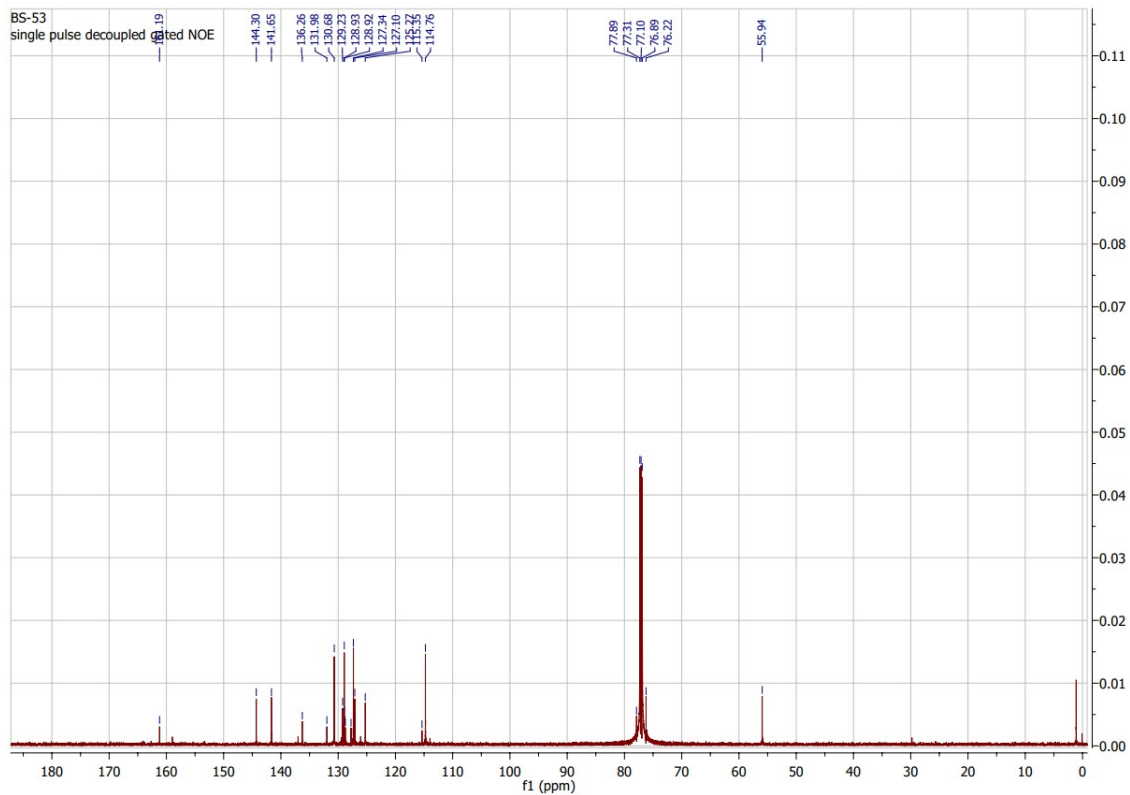


Figure 14. Spectrum of compound BV-14





Formula & Ion Species ∇ m/z ∇ m/z (Calc) ∇ Abun ∇ Diff (ppm) ∇ Max Abun ∇ Specie ∇

[(C₂₁H₁₆N₂O)₂H]⁺ 313.1336 313.1335 135488.05 0.17 135488.05 (M+H)⁺

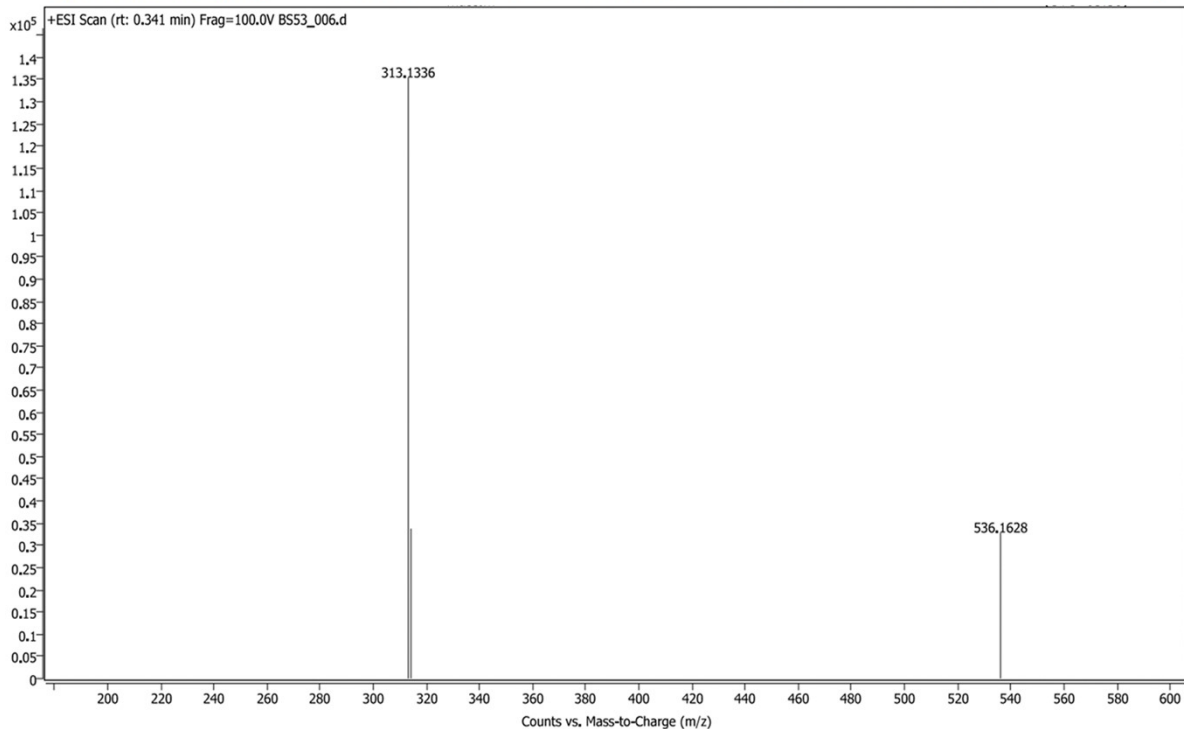


Figure 15. Spectrum of compound BV-15