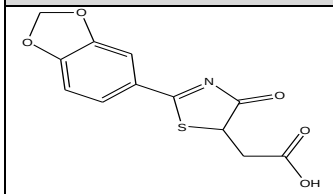
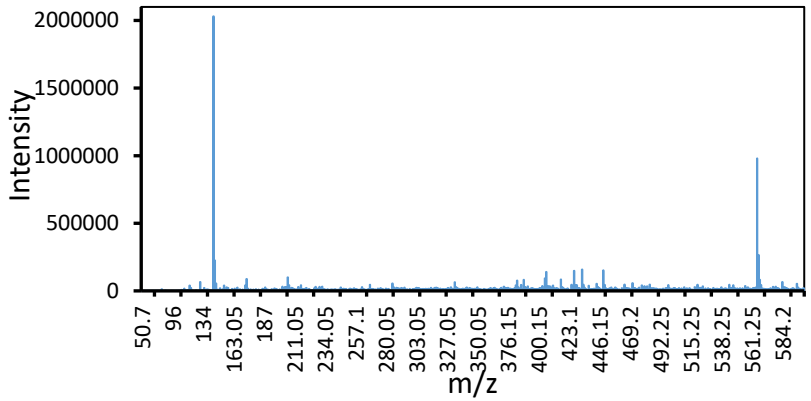
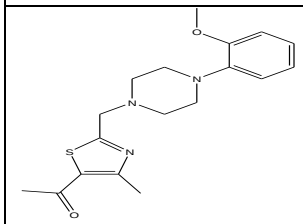
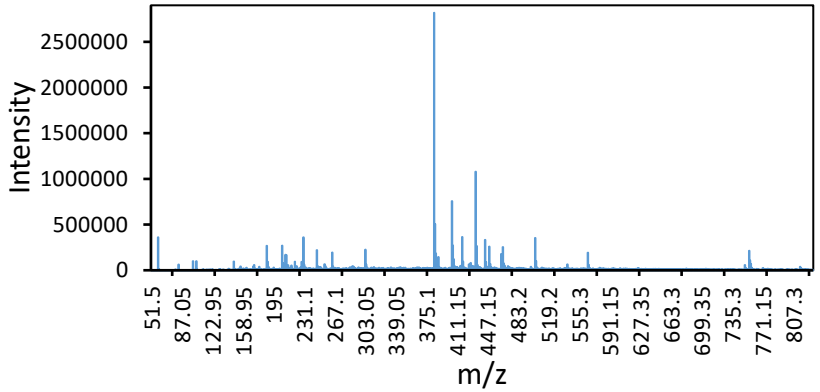
Supplementary Table S1. Mass spectra of compounds identified in acetone extract of *Cullen tomentosum* using Liquid-Chromatography-Mass Spectrometry (LC-MS) and mz cloud library.

Structure of compounds	Name of compound (m/z cloud library)	Mass spectra
	2-(2-(benzo[d][1,3] dioxol-6-yl)-4,5-dihydro-4-oxothiazol-5-yl)acetic acid	
	1-(2-((4-(2-methoxyphenyl) piperazin-1-yl) methyl) -4-methylthiazol-5-yl) ethanone	

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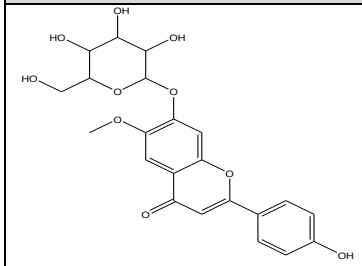
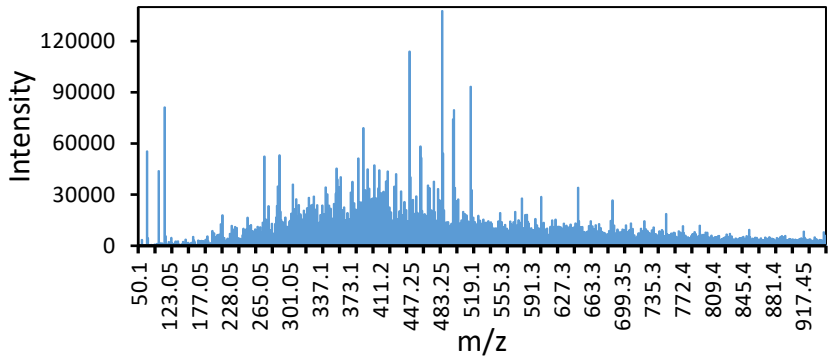
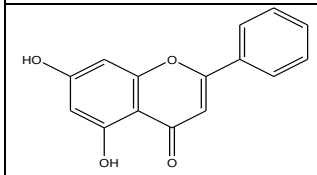
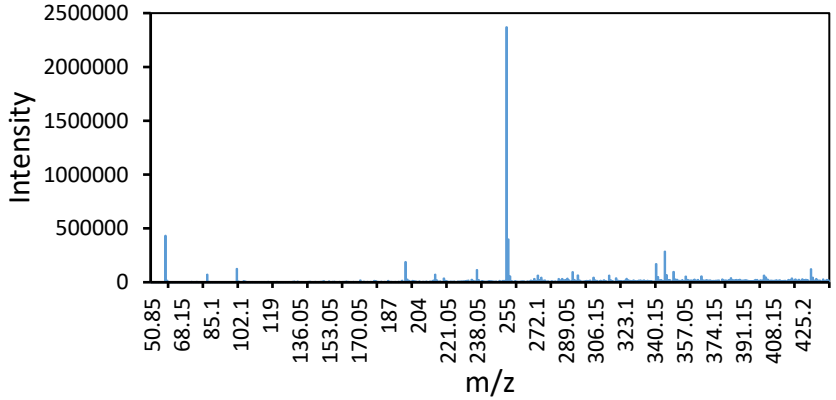
	2-(4-hydroxyphenyl)-6-methoxy-7-(tetrahydro-3,4,5-trihydroxy-6-(hydroxymethyl)-2H-pyran-2-yloxy)-4H-chromen-4-one	
	5,7-dihydroxy-2-phenyl-4H-chromen-4-one	

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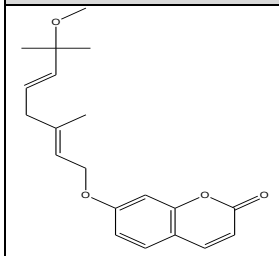
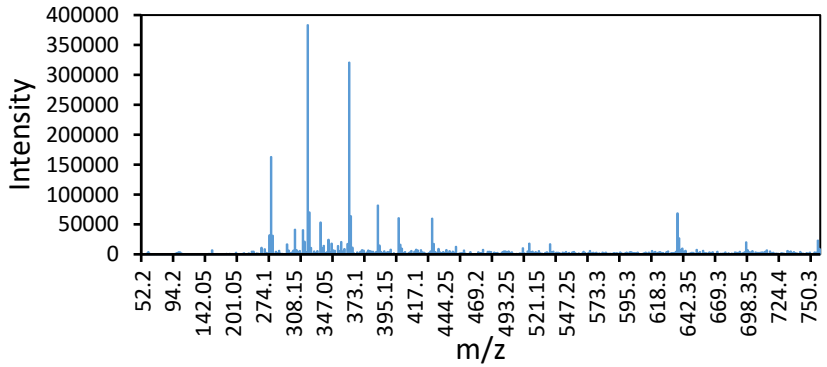
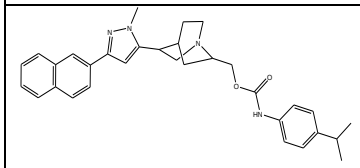
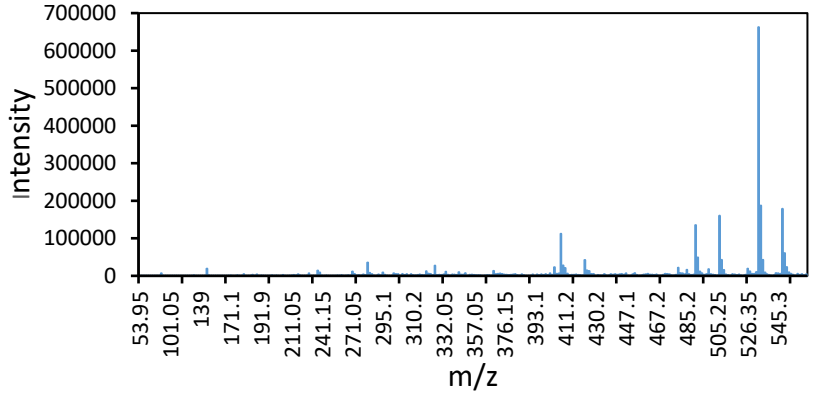
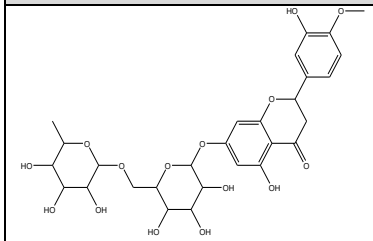
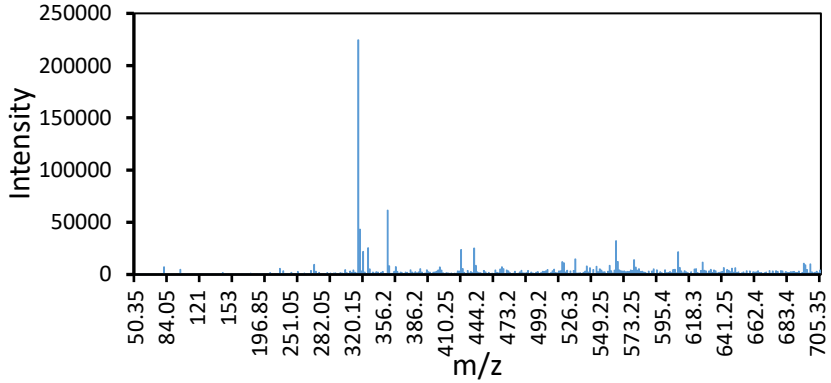
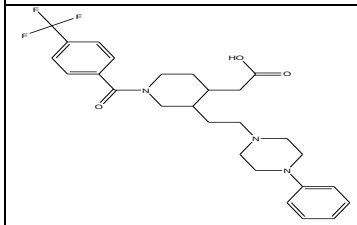
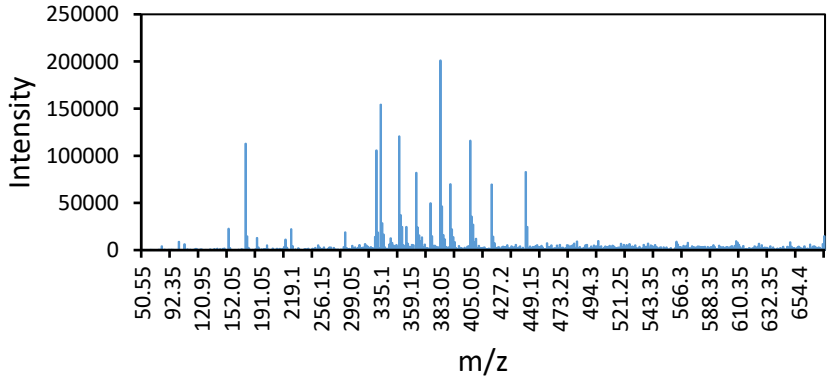
	7-((2E,5E)-7-methoxy-3,7-dimethylocta-2,5-dienyloxy)-2H-chromen-2-one	
	(3-(1-methyl-3-(naphthalen-6-yl)-1H-pyrazol-5-yl) quinuclidin-7-yl) methyl 4-isopropylphenylcarbamate	

Structure of compounds	Name of compound (m/z cloud library)	Mass spectra
	No name identity from NIST Library	
	No name identity from NIST library	

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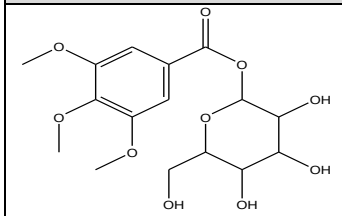
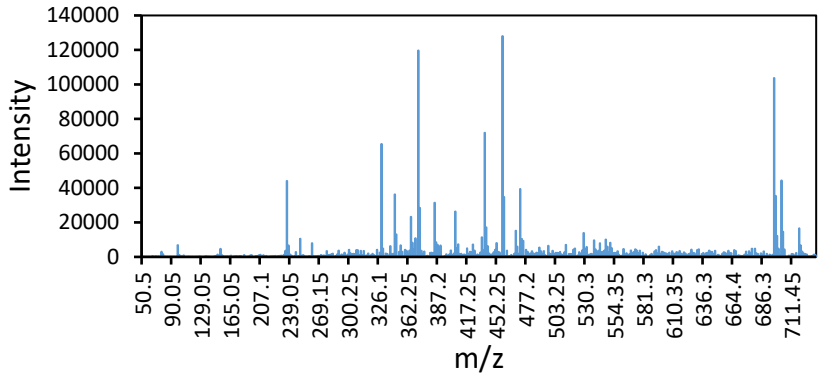
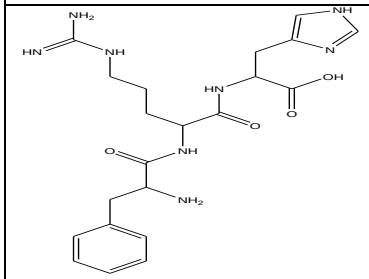
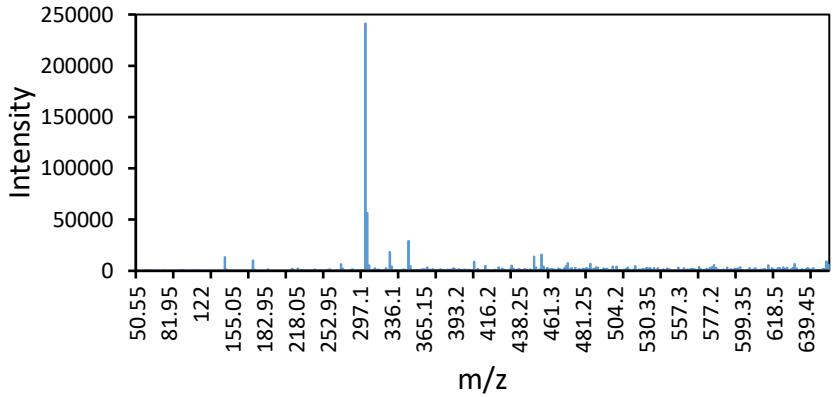
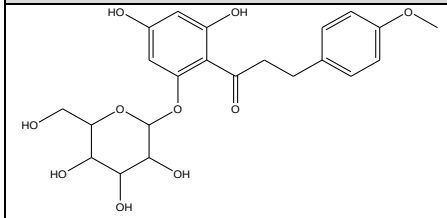
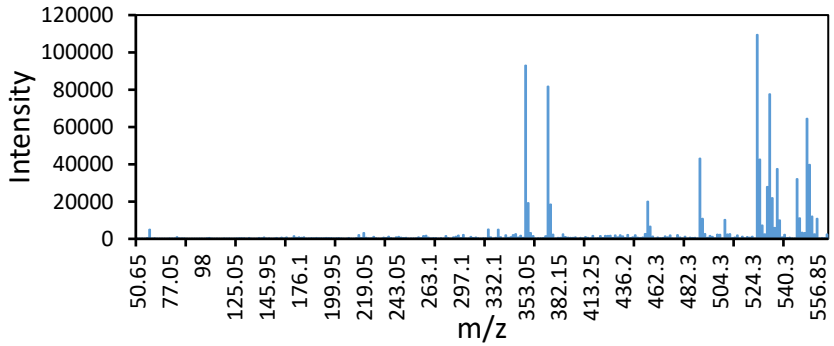
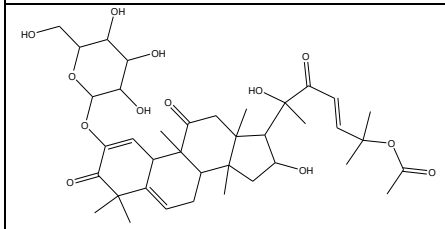
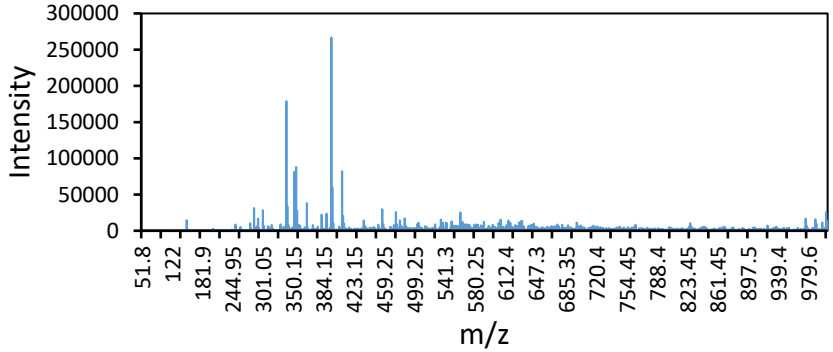
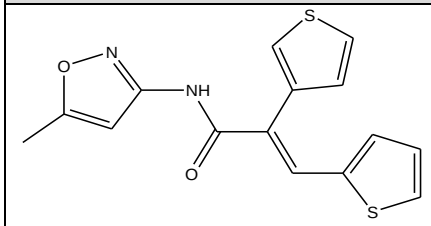
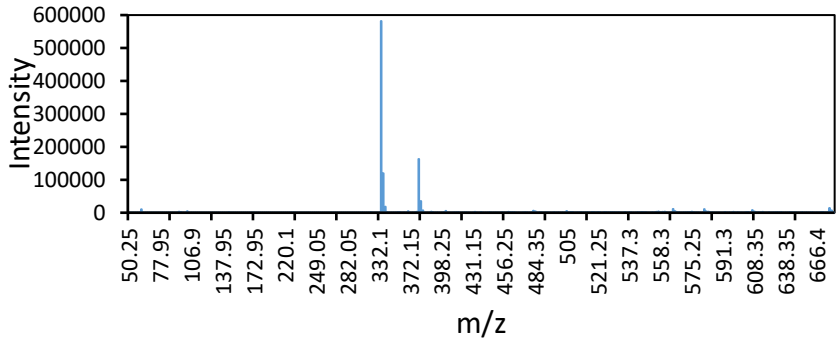
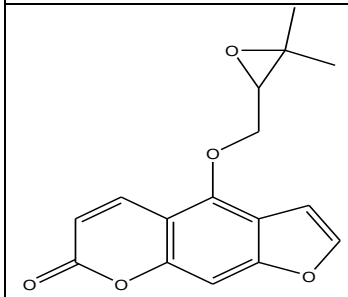
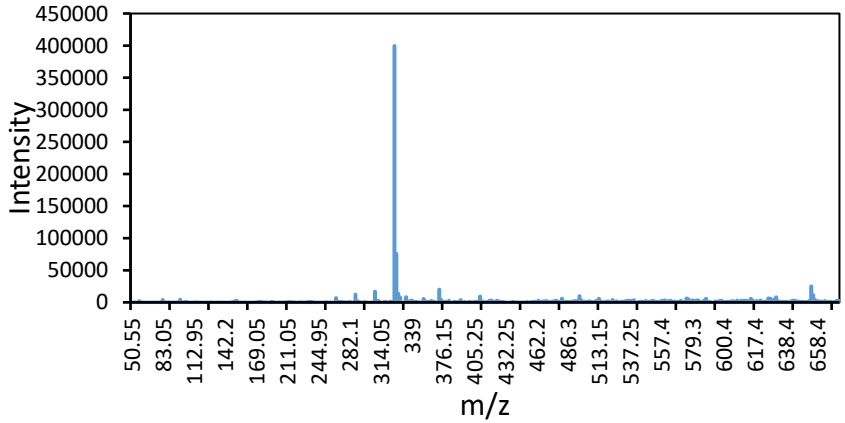
	tetrahydro-3,4,5-trihydroxy-6-(hydroxymethyl)-2H-pyran-2-yl 3,4,5-trimethoxybenzoate	
	2-(guanidine)-3-(1H-imidazol-4-yl) propanoic acid	

Structure of compounds	Name of compound (m/z cloud library)	Mass spectra
	No name identity equivalent in NIST library	
	No name identity equivalent in NIST library	

Structure of compounds	Name of compound (m/z cloud library)	Mass spectra
	(E)-N-(5-methylisoxazol-3-yl)-3-(thiophen-2-yl)-2-(thiophen-3-yl) acrylamide	
	4-((3,3-dimethyloxiran-2-yl) methoxy)-7H-furo[3,2-g] chromen-7-one	

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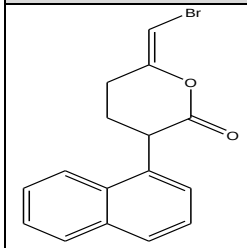
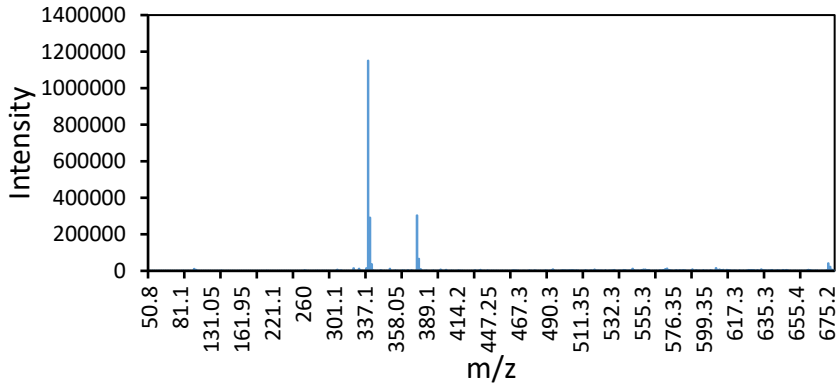
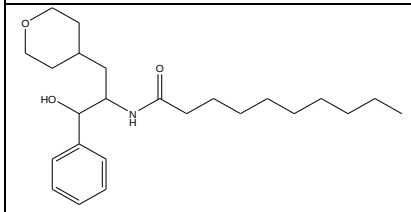
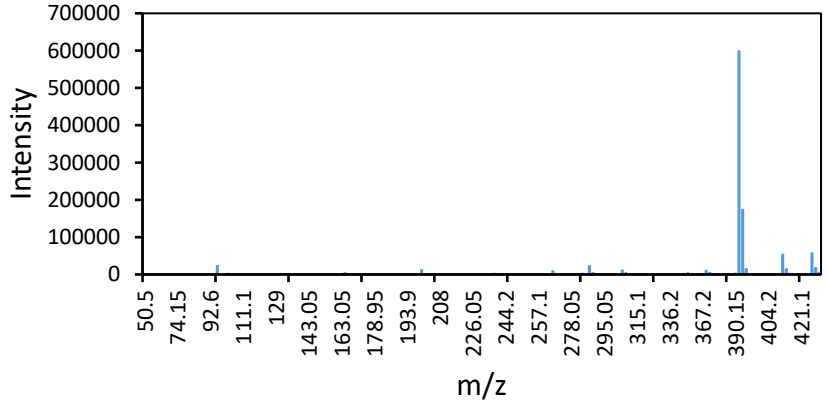
	(Z)-6-(bromomethylene)-tetrahydro-3-(naphthalen-5-yl) pyran-2-one	
	N-(3-(tetrahydro-2H-pyran-4-yl)-1-hydroxy-1-phenylpropan-2-yl) decanamide	

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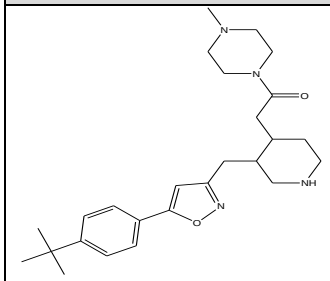
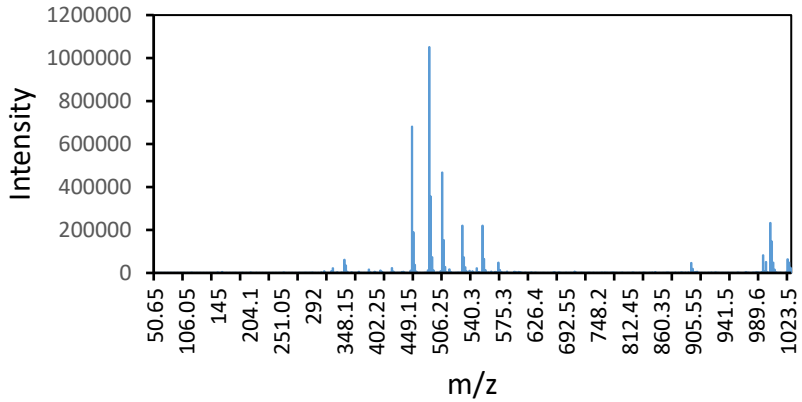
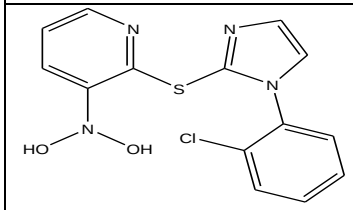
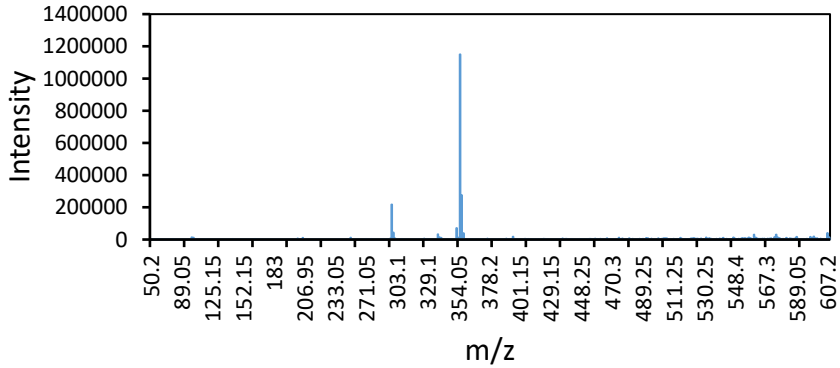
	2-(3-((5-(4-tert-butylphenyl) isoxazol-3-yl) methyl) piperidin-4-yl)-1-(4-methylpiperazin-1-yl) ethanone	
	2-(1-(2-chlorophenyl)-1H-imidazol-2-ylthio)-N, N-dihydroxypyridin-3-amine	

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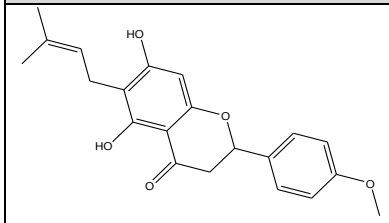
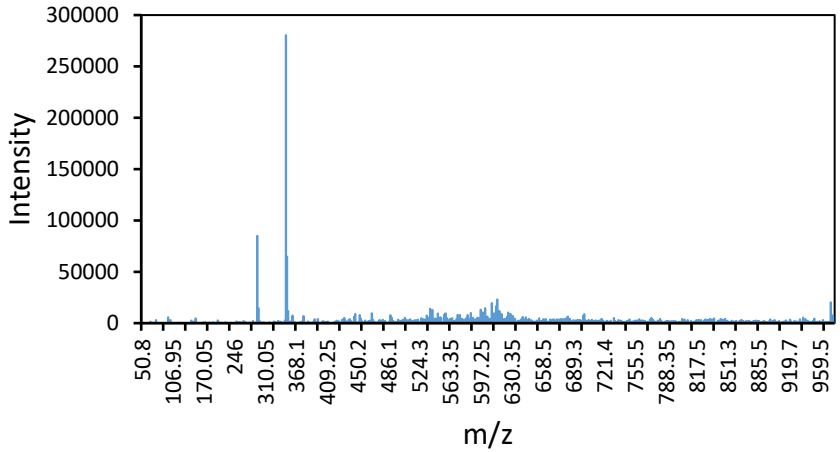
	2,3-dihydro-5,7-dihydroxy-2-(4-methoxyphenyl)-6-(3-methylbut-2-enyl) chromen-4-one	

*RT = retention time, #PA = peak area.