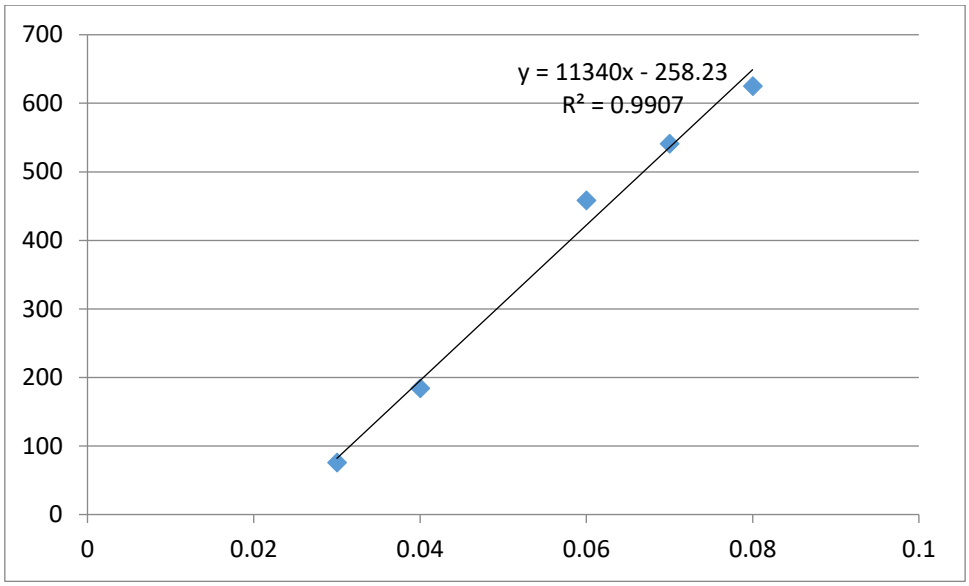

Figure S.1. Calibraiton curve and R2 value of MMF

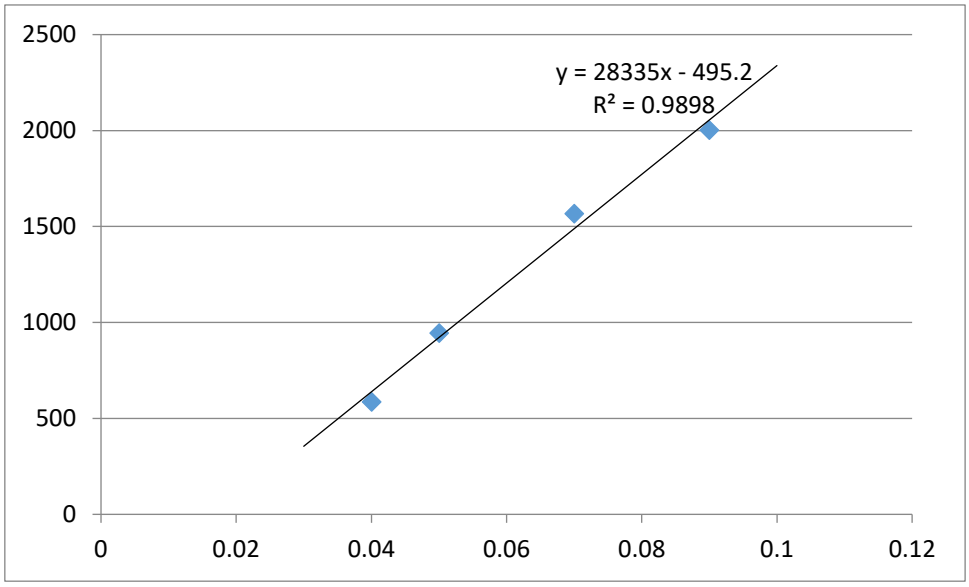

Figure S.2. Calibraiton curve and R2 value of NF

Quantification results for MMF1

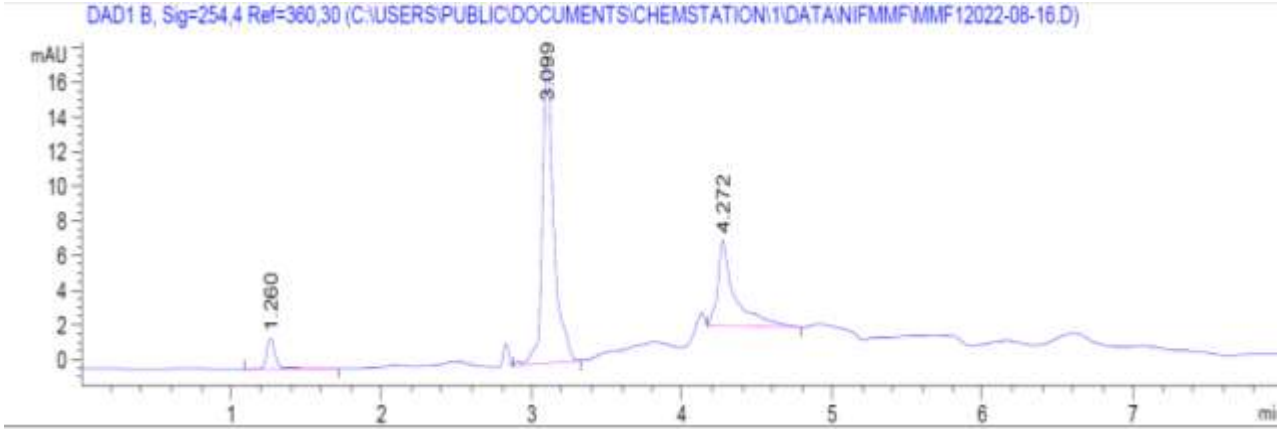

Figure S.3. MMF1 chromatogram (Rt 1.26: solvent peak, 3.09: MMF, 4.27: impurity from extraction)

Signal 2: DAD1 B, Sig=254,4 Ref=360,30

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	1.260	BB	0.0629	7.49969	1.79094	5.3838
2	3.099	BB	0.0773	93.16588	17.72472	66.8813
3	4.272	BB	0.1054	38.63468	4.93102	27.7348
Totals :				139.30025	24.44668	

Figure S.4. MMF1 area under curve (93.16 mAU)

MMF1 concentration in ovarian tissue;Calibration equation: y=11340x-258.23

Concentration: 93.16=11340x-258.23 if x=0.031 mg

Quantification results for MMF2

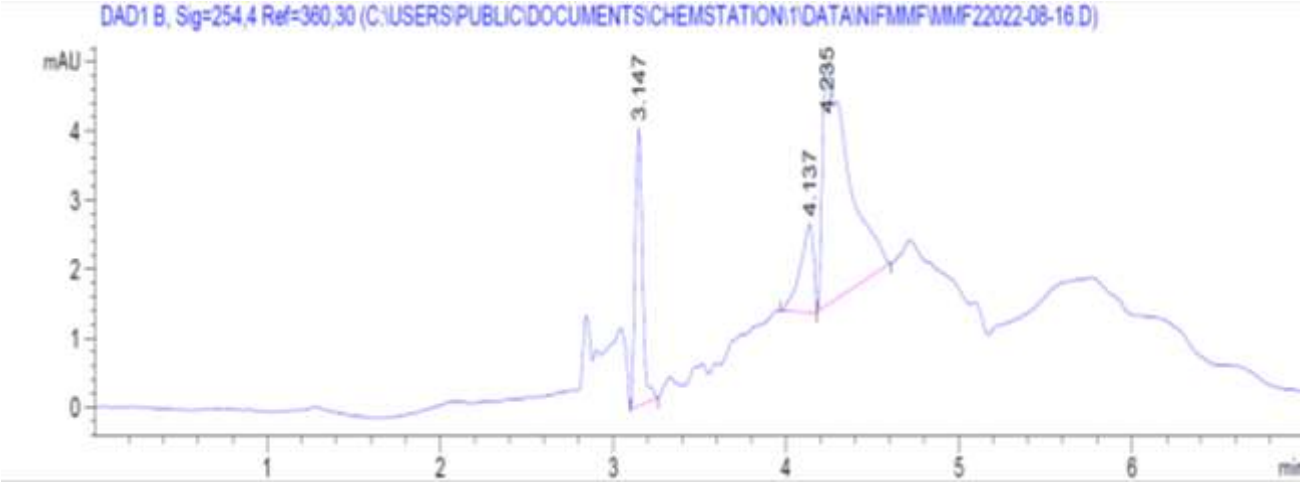

Figure S.5. MMF2 chromatogram (Rt 3.14: MMF, 4.13-4.23: impurity from extraction)

Signal 2: DAD1 B, Sig=254,4 Ref=360,30

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.147	BB	0.0459	11.65947	4.01483	21.3352
2	4.137	BB	0.0802	6.84347	1.28326	12.5226
3	4.235	BB	0.1321	36.14602	3.51207	66.1422
Totals :				54.64896	8.81016	

Figure S.6. MMF2 area under curve (11.65 mAU)

MMF2 concentration in ovarian tissue;

Calibration equation: y=11340x-258.23

Concentration: 11.65=11340x-258.23 if x=0.024 mg

Quantification results for MMF3

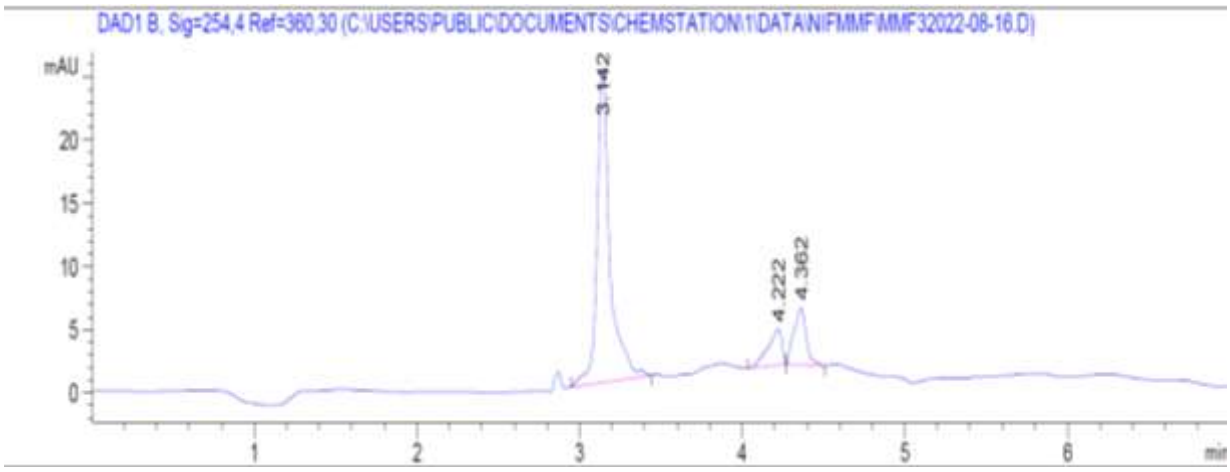

Figure S.7. MMF3 chromatogram (Rt 3.14: MMF, 4.22-4.36: impurity from extraction)

Signal 2: DAD1 B, Sig=254,4 Ref=360,30

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.142	BB	0.0801	136.99281	24.93692	77.2607
2	4.222	BB	0.0867	16.79617	2.85162	9.4726
3	4.362	BB	0.0745	23.52333	4.53758	13.2666
Totals :				177.31231	32.32611	

Figure S.8. MMF3 area under curve (24.93 mAU)

MMF3 concentration in ovarian tissue;

Calibration equation: y=11340x-258.23

Concentration: 24.93=11340x-258.23 if x=0.025 mg

Quantification results for MMF4

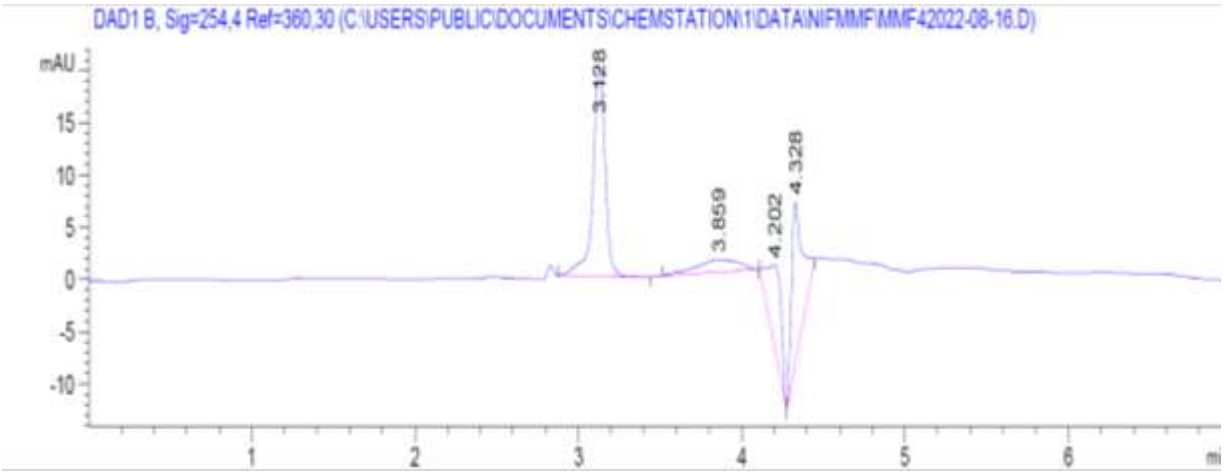

Figure S.9. MMF4 chromatogram (Rt 3.12: MMF, 3.85-4.32: impurity from extraction)

Signal 2: DAD1 B, Sig=254,4 Ref=360,30

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.128	BB	0.0791	105.80305	20.21859	43.5439
2	3.859	BB	0.2600	20.99289	1.12328	8.6398
3	4.202	BB	0.0865	46.05821	7.83996	18.9555
4	4.328	BB	0.0668	70.12595	15.49697	28.8608
Totals :				242.98009	44.67880	

Figure S.10. MMF4 area under curve (105.80 mAU)

MMF4 concentration in ovarian tissue;

Calibration equation: y=11340x-258.23

Concentration: 105.80=11340x-258.23 if x=0.032 mg

Quantification results for NF1

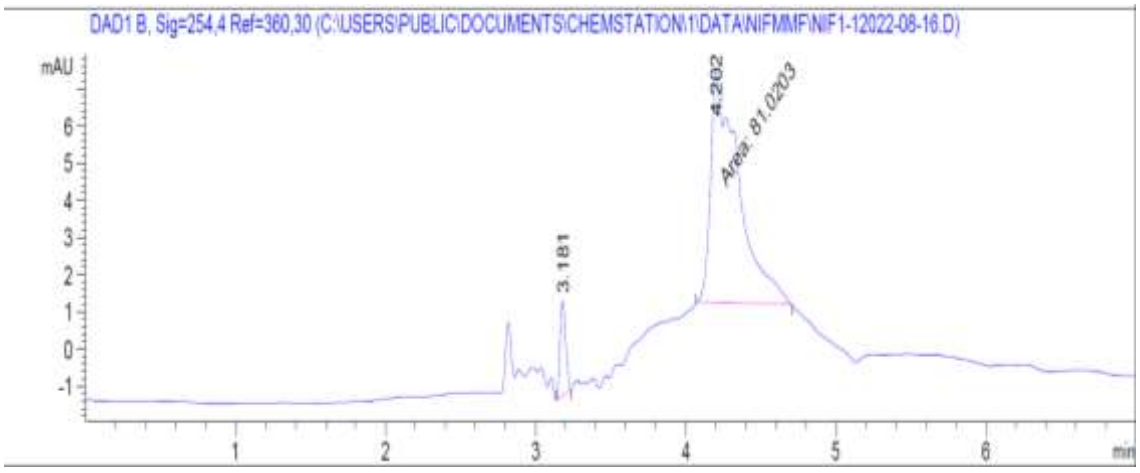

Figure S.11. NF1 chromatogram (Rt 3.18: impurity from extraction, 4.20: NF)

Signal 2: DAD1 B, Sig=254,4 Ref=360,30

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.181	BB	0.0457	6.89825	2.54088	7.8462
2	4.202	MM	0.2151	81.02029	6.27730	92.1538
Totals :				87.91854	8.81818	

Figure S.12. NF1 area under curve (81.02 mAU)

NF1 concentration in ovarian tissue;

Calibration equation: y=28335x-495.2

Concentration: 81.02=28335x-495.2 if x=0.020 mg

Quantification results for NF2

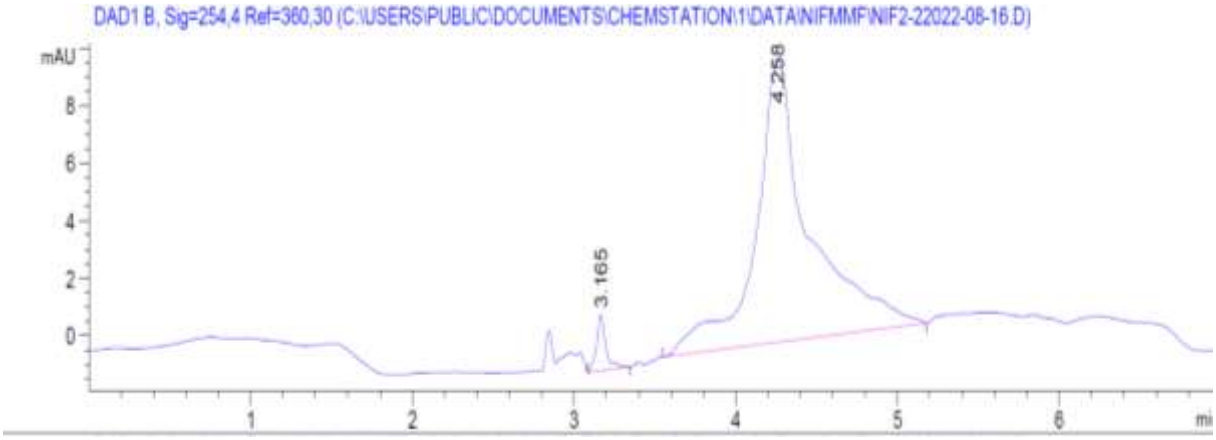

Figure S.13. NF2 chromatogram (Rt 3.16: impurity from extraction, 4.25: NF)

Signal 2: DAD1 B, Sig=254,4 Ref=360,30

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.165	BB	0.0592	7.83119	1.93483	3.3073
2	4.258	BB	0.3106	228.95300	9.87242	96.6927
Totals :				236.78419	11.80725	

Figure S.14. NF2 area under curve (228.95 mAU)

NF2 concentration in ovarian tissue;

Calibration equation: y=28335x-495.2

Concentration: 228.95=28335x-495.2 if x=0.026 mg

Quantification results for NF3

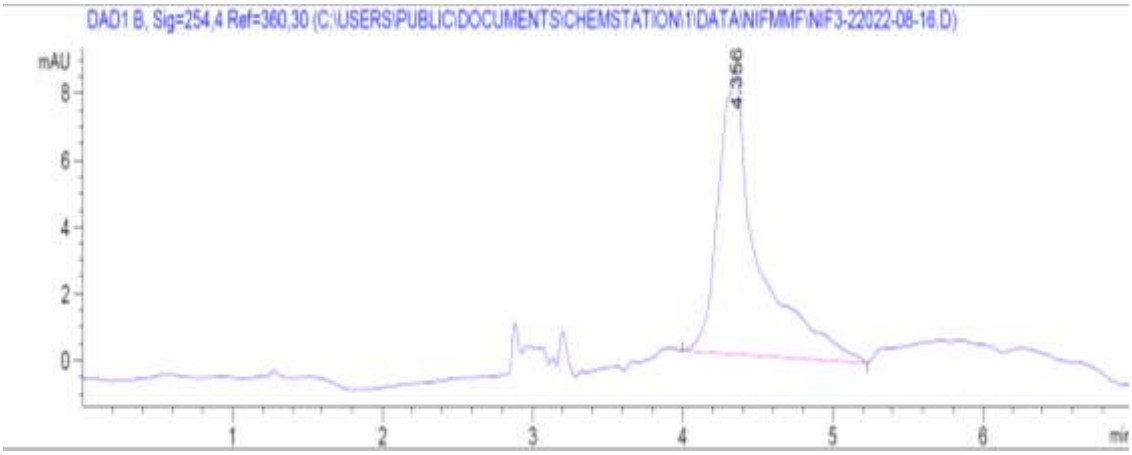

Figure S.15. NF3 chromatogram (Rt, 4.35: NF)

Signal 2: DAD1 B, Sig=254,4 Ref=360,30

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.356	BB	0.2223	154.93942	8.67983	100.0000
Totals :				154.93942	8.67983	

Figure S.16. NF3 area under curve (154.93 mAU)

NF3 concentration in ovarian tissue;

Calibration equation: y=28335x-495.2

Concentration: 154.93=28335x-495.2 if x=0.023 mg

Quantification results for NF4

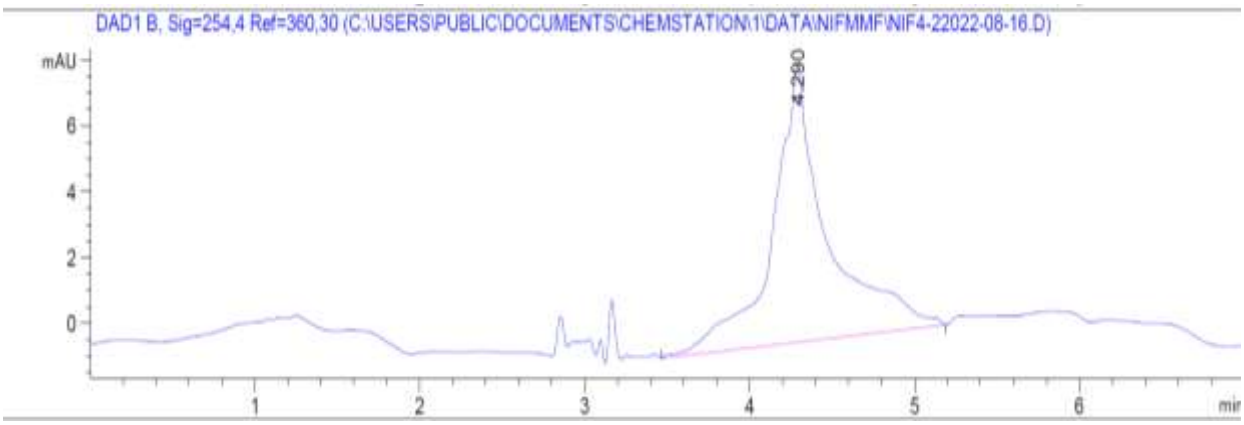

Figure S.17. NF4 chromatogram (Rt, 4.29: NF)

Signal 2: DAD1 B, Sig=254,4 Ref=360,30

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.290	BB	0.2820	194.45248	8.46498	100.0000
Totals :				194.45248	8.46498	

Figure S.18. NF4 area under curve (194.45 mAU)

NF4 concentration in ovarian tissue;

Calibration equation: y=28335x-495.2

Concentration: 194.45 =28335x-495.2 if x=0.024 mg

Mass (MS) Spectra

Whether the peaks detected in the chromatographic studies belong to the active ingredients of MMF and NF were determined by the MS detector. MMF molecular weight is 130 g/mol, NF molecular weight is 346 g/mol. Spectra of molecular ion peaks detected for MMF and NF are given in the figures below. (Figure S.19-S.20).

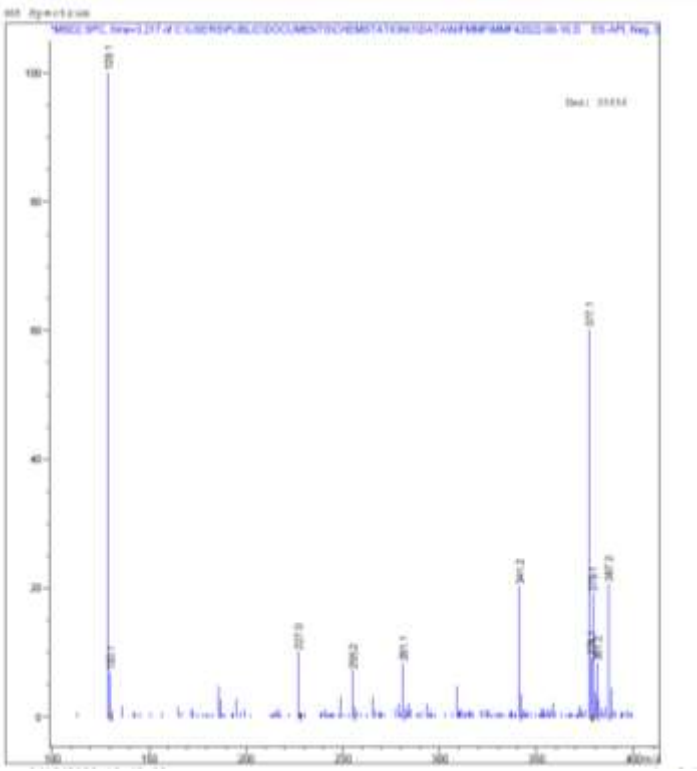

Figure S.19. MS spectrum of MMF

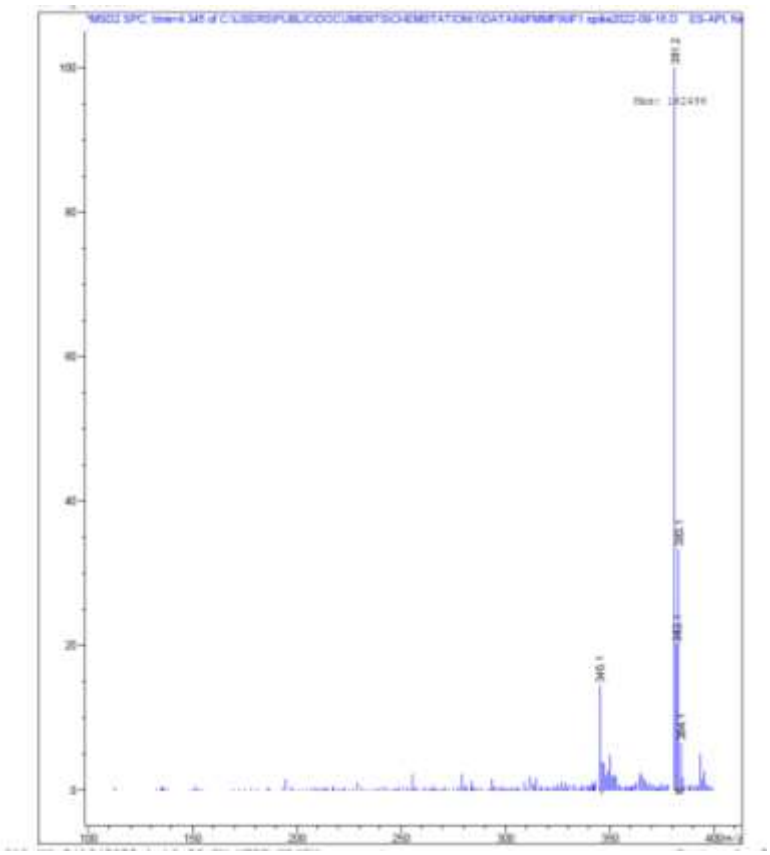

Figure S.20. MS spectrum of NF