Article

In Vitro Response of *Polyscias filicifolia* (Araliaceae) Shoots to Elicitation with Alarmone–Diadenosine Triphosphate, Methyl Jasmonate, and Salicylic Acid

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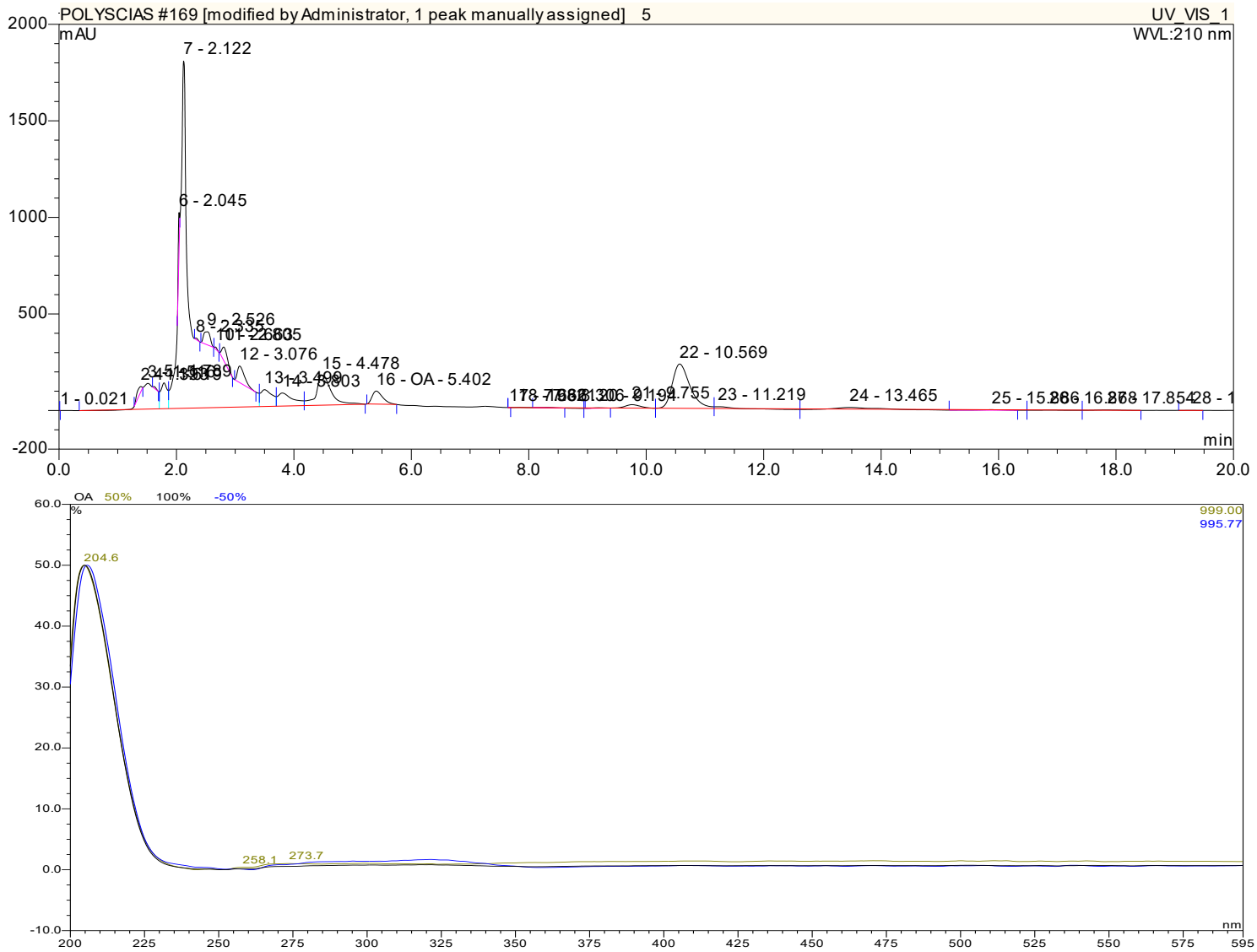
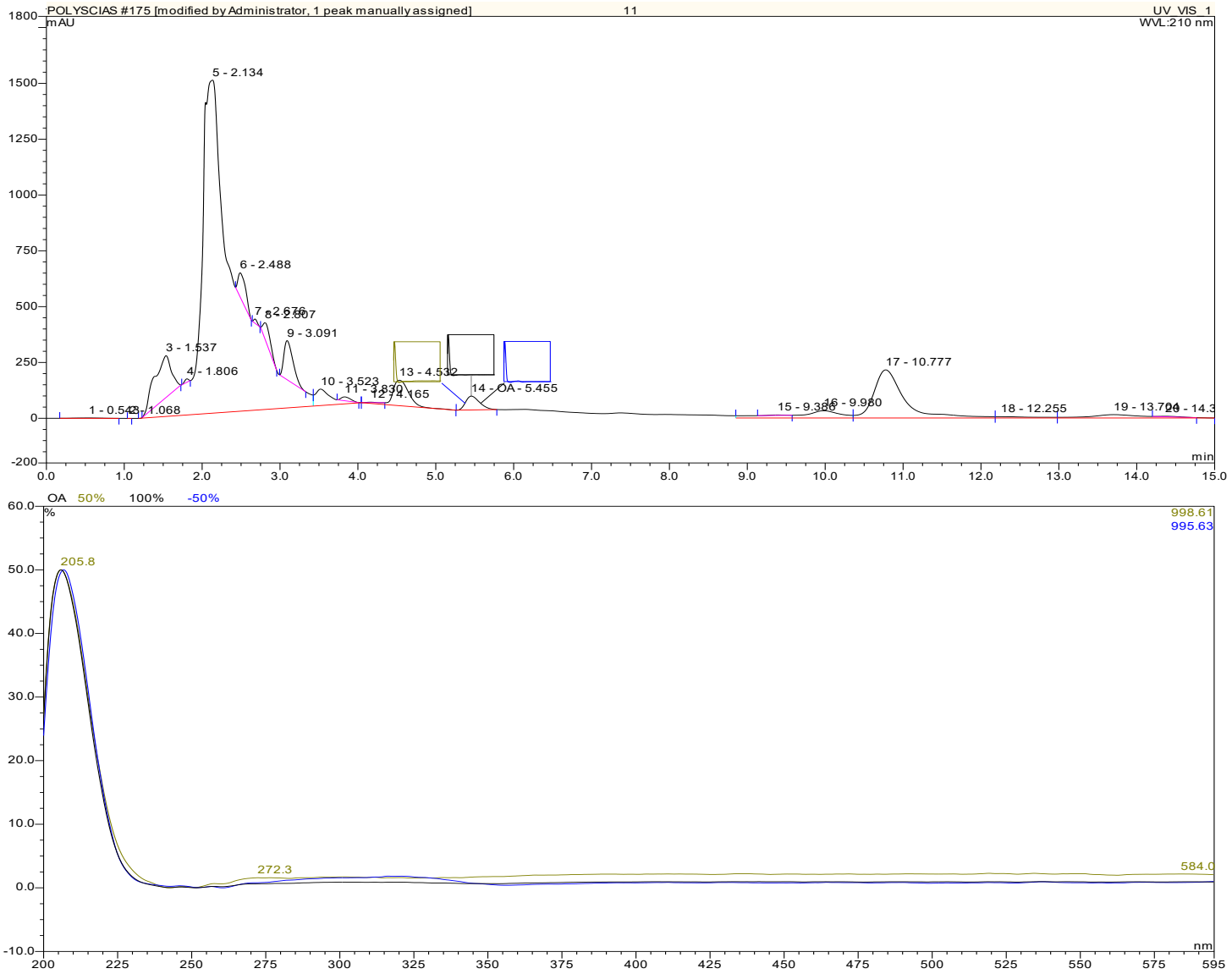

POLYSCIAS #169 [modified by Administrator, 1 peak manually assigned] 5
UV_VIS_1
WVL:210 nm
mAU
7 - 2.122
6 - 2.045
12 - 3.076
15 - 4.478
16 - OA - 5.402
22 - 10.569
23 - 11.219
24 - 13.465
1 - 0.021
min
OA 50% 100% -50%
%
204.6
258.1
273.7
999.00
995.77
nm

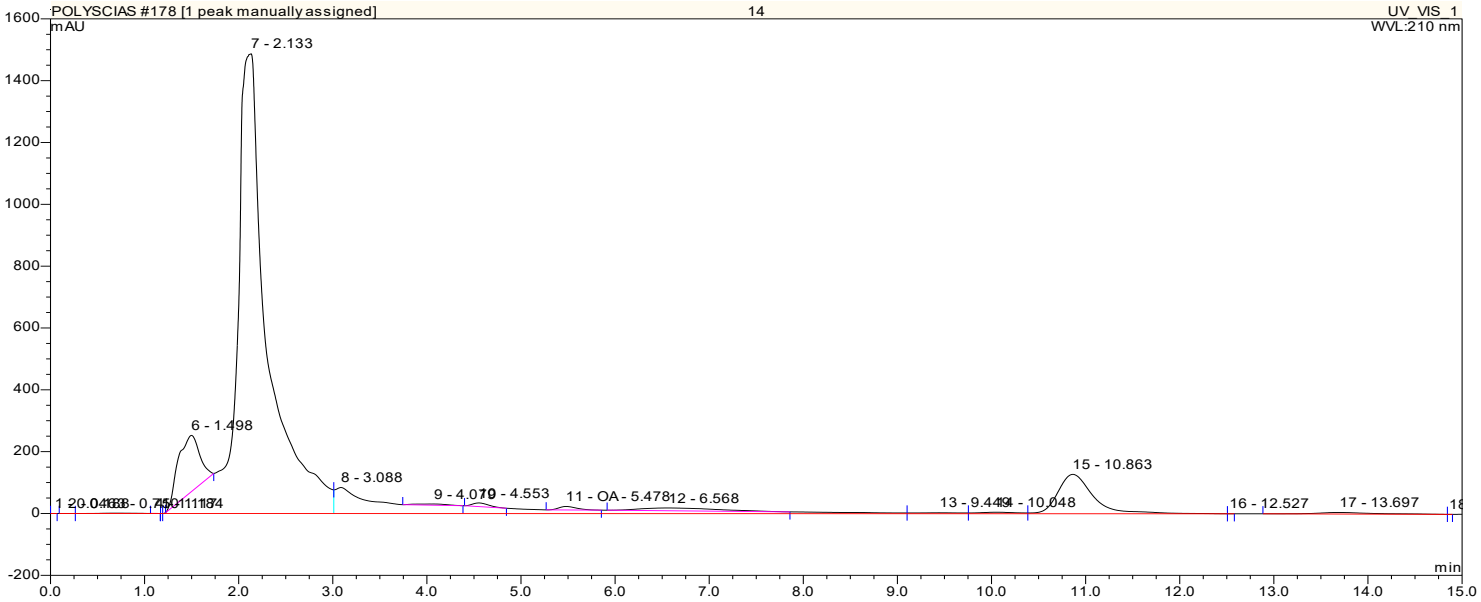
(**a**)

(**b**)

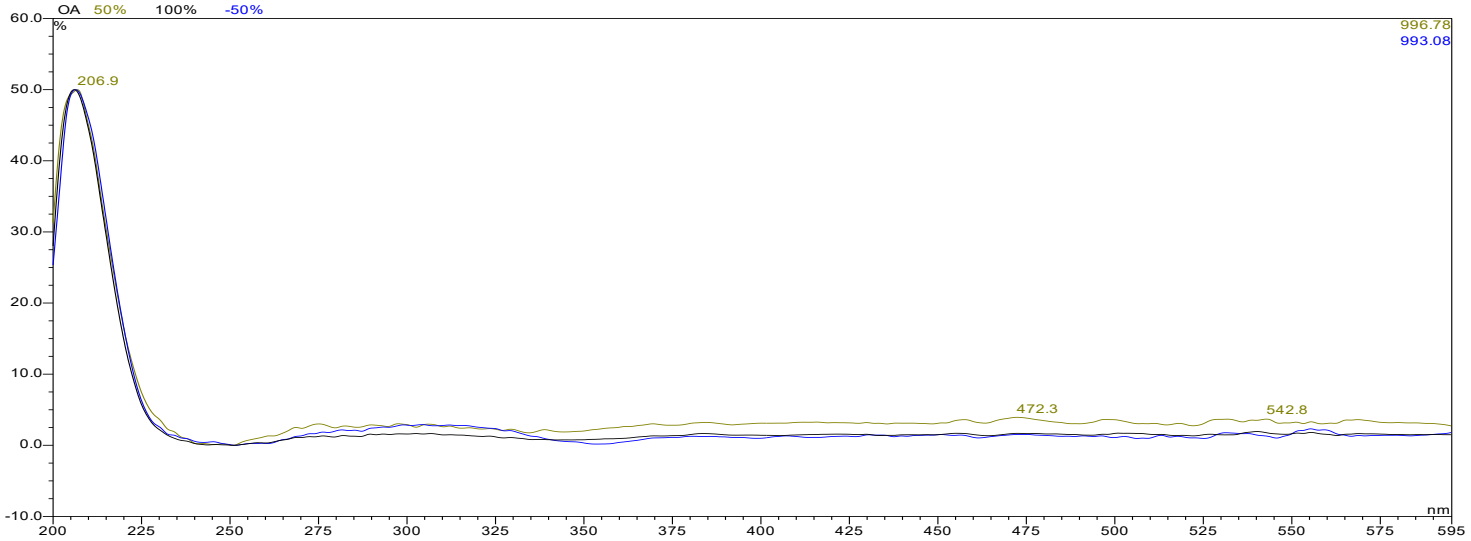

POLYSCIAS #175 [modified by Administrator, 1 peak manually assigned]
11
UV_VIS_1
WVL:210 nm
mAU
5 - 2.134
6 - 2.488
3 - 1.537
4 - 1.806
9 - 3.091
10 - 3.523
13 - 4.532
14 - OA - 5.455
17 - 10.777
18 - 12.255
min
OA 50% 100% -50%
%
998.61
995.63
205.8
272.3
584.0
nm

(**c**)

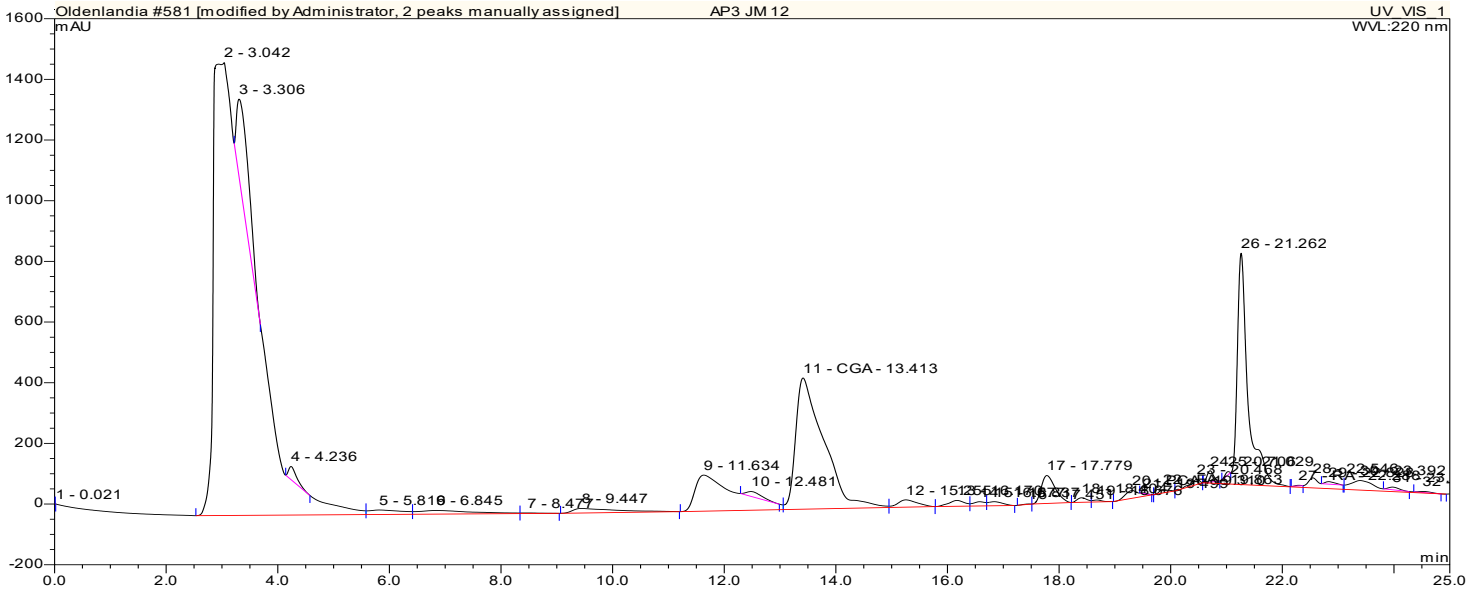
(**d**)


POLYSCIAS #178 [1 peak manually assigned]
14
UV_VIS_1
mAU
WVL:210 nm
7 - 2.133
6 - 1.498
8 - 3.088
15 - 10.863
11 - OA - 5.478
12 - 6.568
16 - 12.527
17 - 13.697
min

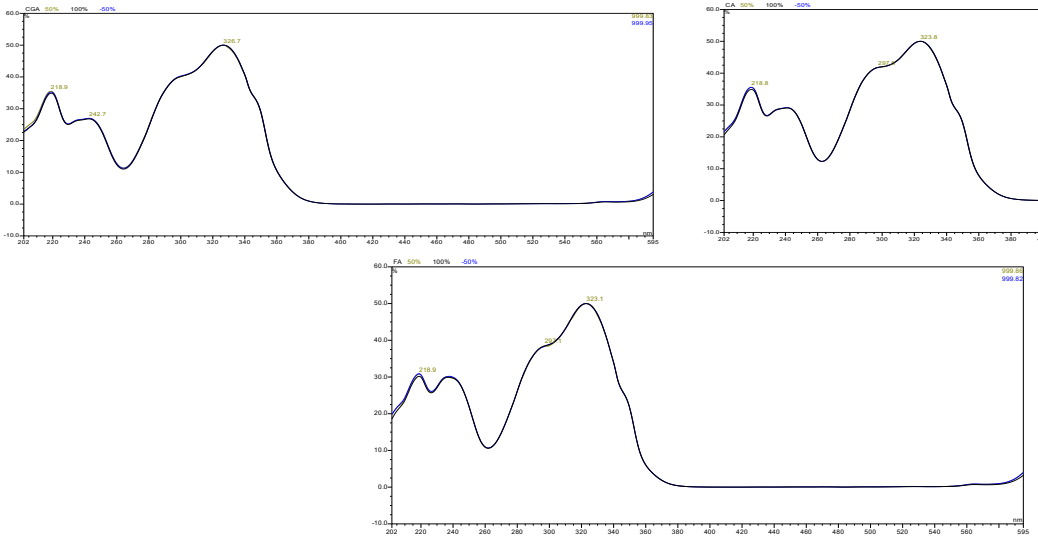
(e)


OA 50% 100% -50%
%
206.9
996.78
993.08
472.3
542.8
nm

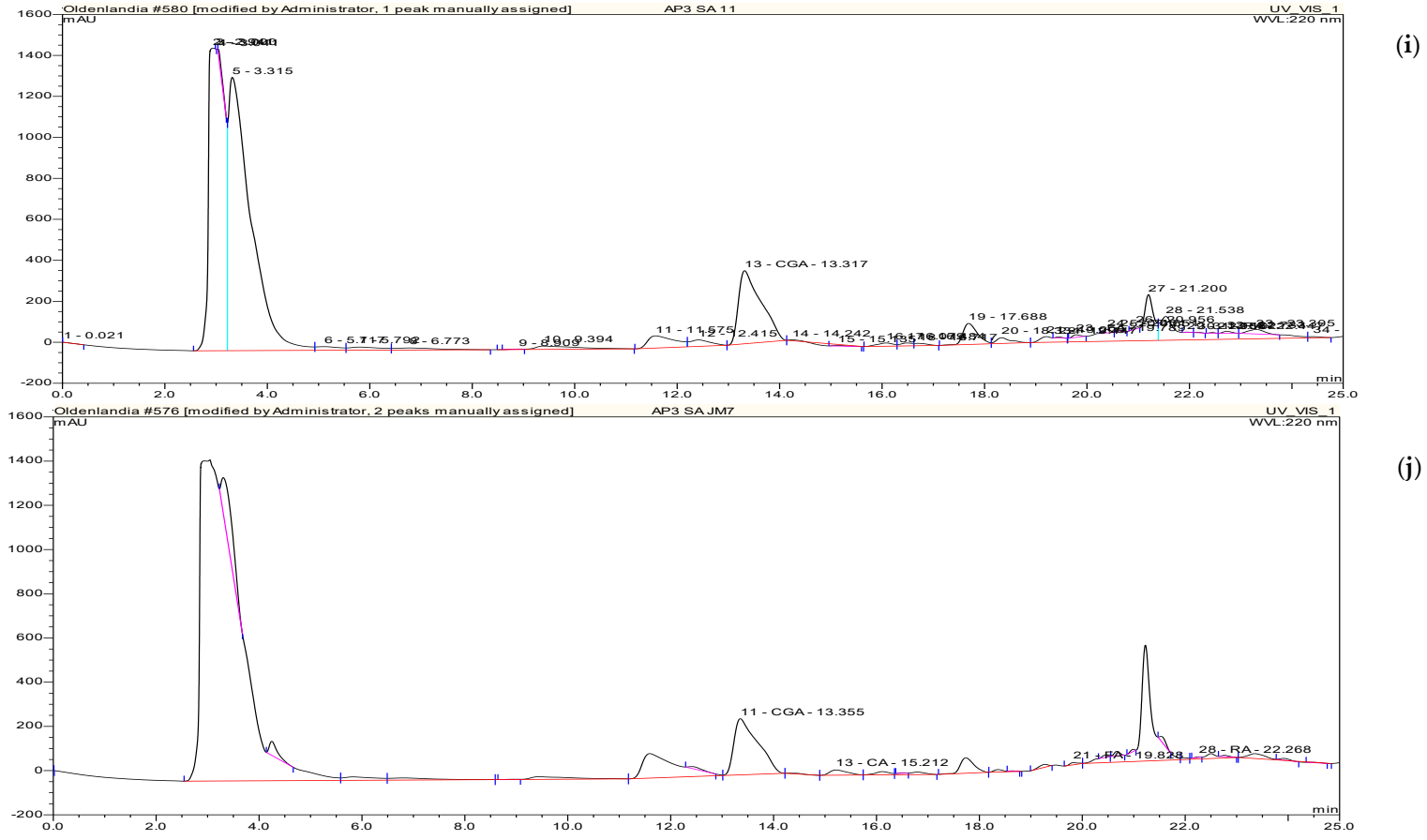
(**f**)


Oldenlandia #581 [modified by Administrator, 2 peaks manually assigned]
AP3 JM 12
UV_VIS_1
WVL:220 nm
mAU
min
1 - 0.021
2 - 3.042
3 - 3.306
4 - 4.236
5 - 5.819
6 - 6.845
7 - 8.477
8 - 9.447
9 - 11.634
10 - 12.481
11 - CGA - 13.413
12 - 15.
17 - 17.779
26 - 21.262

(**g**)



(**h**)



(i)

(j)

Figure 1S. Sample HPLC chromatograms resulted from HPLC-DAD-UV-Vis analysis; (**a**) hydrolysed methanolic extract from shoots cultivated in presence of 50 µM SA and (**b**) oleanolic acid's spectrum (λ=210 nm); (**c**) hydrolysed methanolic extract from shoots cultivated in presence of 5 µM Ap3A + 50 µM SA and (**d**) oleanolic acid's spectrum; (**e**) hydrolysed methanolic extract from shoots cultivated in presence of 5 µM Ap3A + 200 µM MeJA and (**f**) oleanolic acid's spectrum; (**g**) methanolic extract from shoots cultivated in presence of 5 µM Ap3A + 200 µM MeJA and (**h**) chlorogenic, caffeic and ferulic acids' spectra (λ=220 nm); (**i**) methanolic extract from shoots cultivated in presence of 5 µM Ap3A + 200 µM MeJA; (**j**) methanolic extract from shoots cultivated in presence of 5 µM Ap3A + 50 µM SA + 200 µM MeJA.

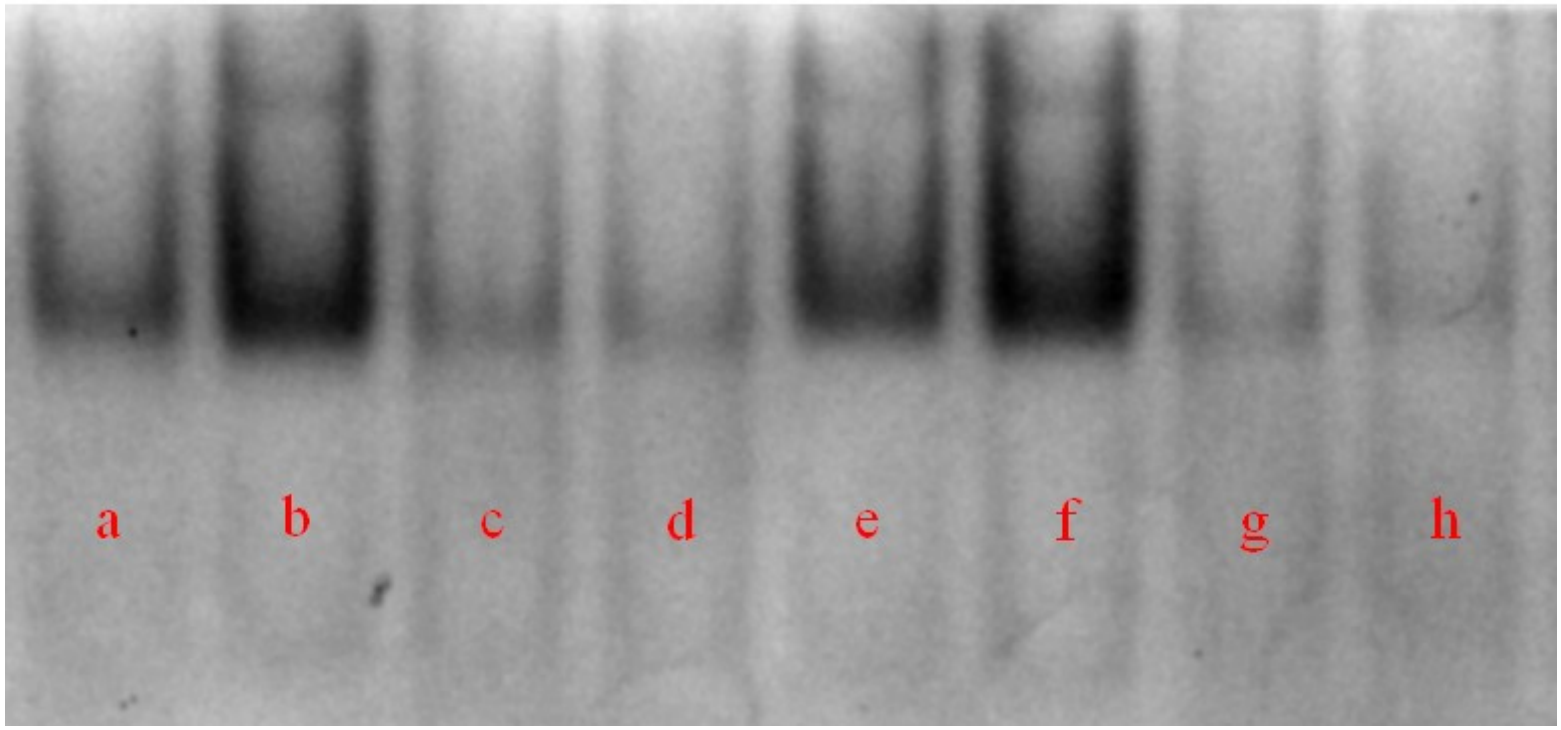


Figure S2. Native-PAGE POX gel demonstrating additional isoforms of peroxidase (where pyrogallol was used as an electron donor) in SA, Ap3A and Ap3A+SA variants: (**a**) control cultures (untreated); and cultures supplemented with elicitor/s and/or alarmone: (**b**) 50 μM SA; (**c**) 200 μM MeJA; (**d**) 50 μM SA + 200 μM MeJA; (**e**) 5 μM Ap3A; (**f**) 5 μM Ap3A + 50 μM SA; (**g**) 5 μM Ap3A + 200 μM MeJA; (**h**) 5 μM Ap3A + 50 μM SA + 200 μM MeJA.