

Supplementary Materials

Mitigating Effect of *Trans*-Zeatin on Cadmium Toxicity in *Desmodemus armatus*

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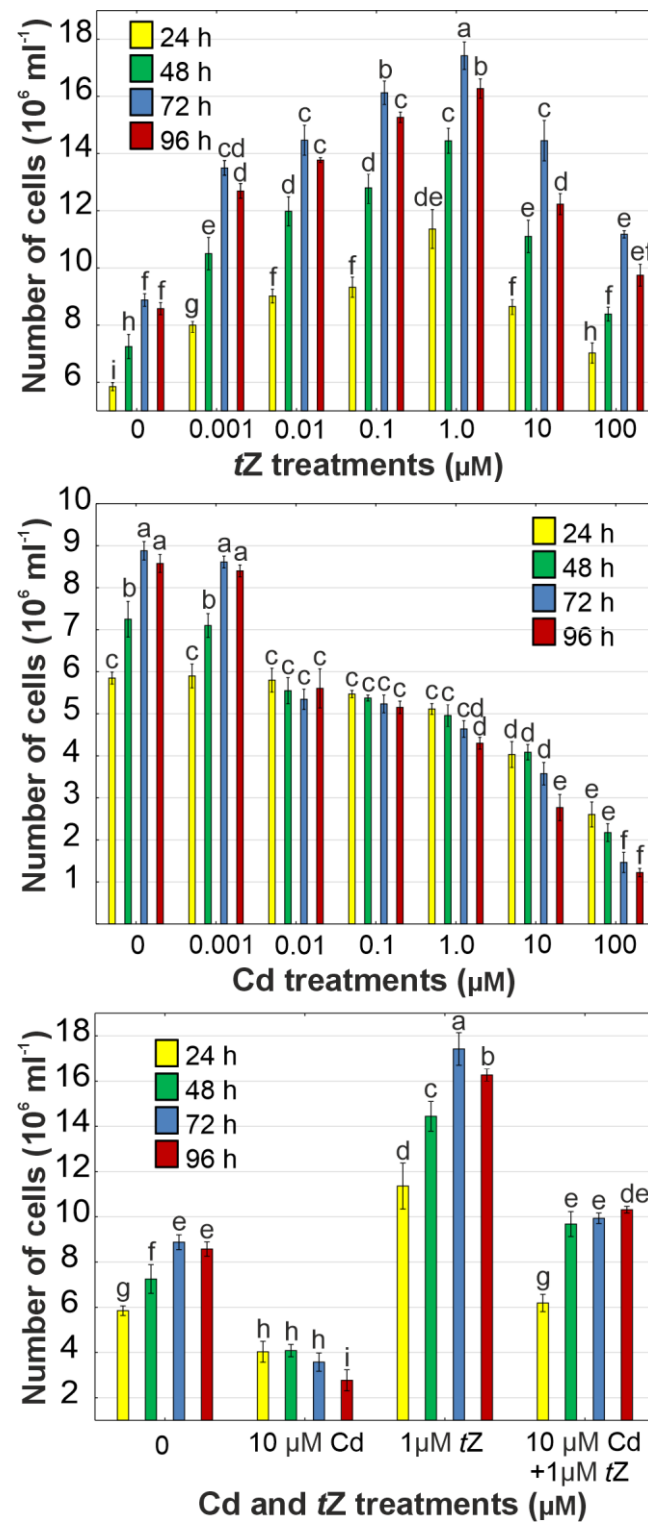


Figure S1. The effect of cadmium (Cd) and *trans*-zeatin (*tZ*) on the cell number in relation to control at 24, 48, 72, and 92 hours of culture. Data are the means of four independent experiments \pm SD. Treatment with at least one letter the same are not significantly different according to Tukey's Post-hoc test

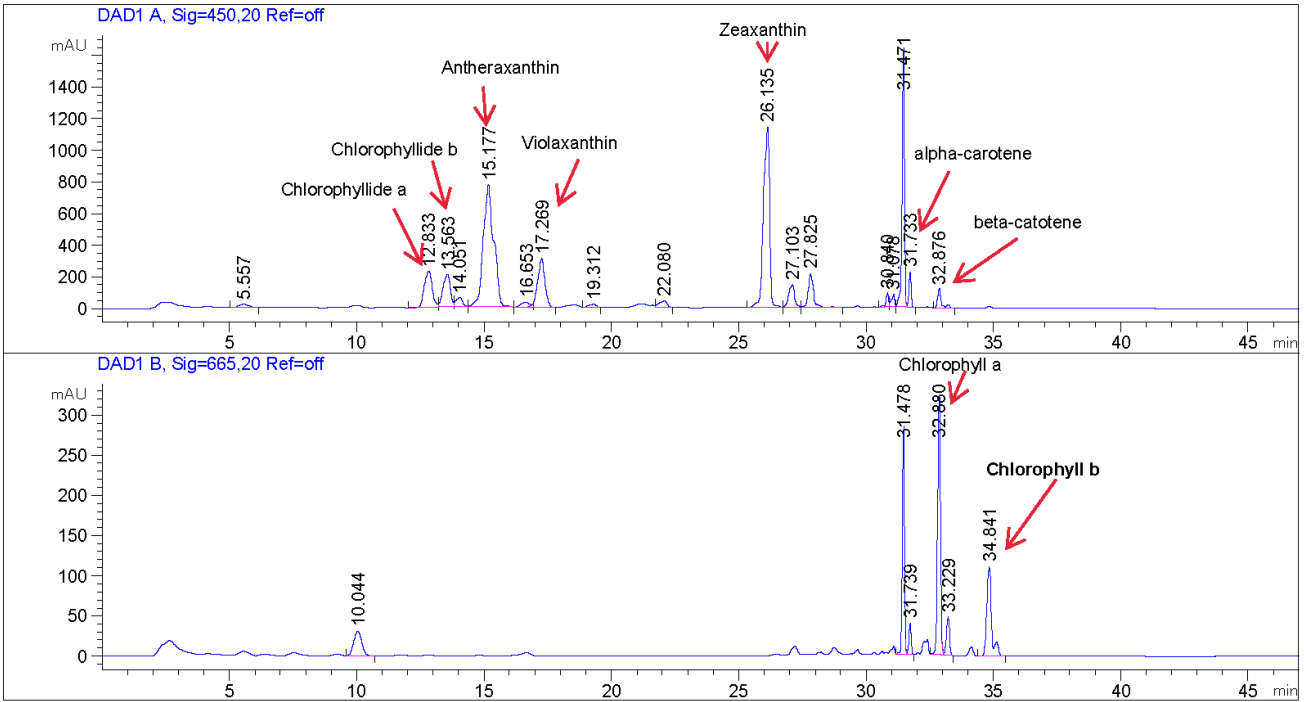


Figure S2. The chromatogram of photosynthetic pigments in cultures of *Desmodemus armatus* at the 72 h of cultivation

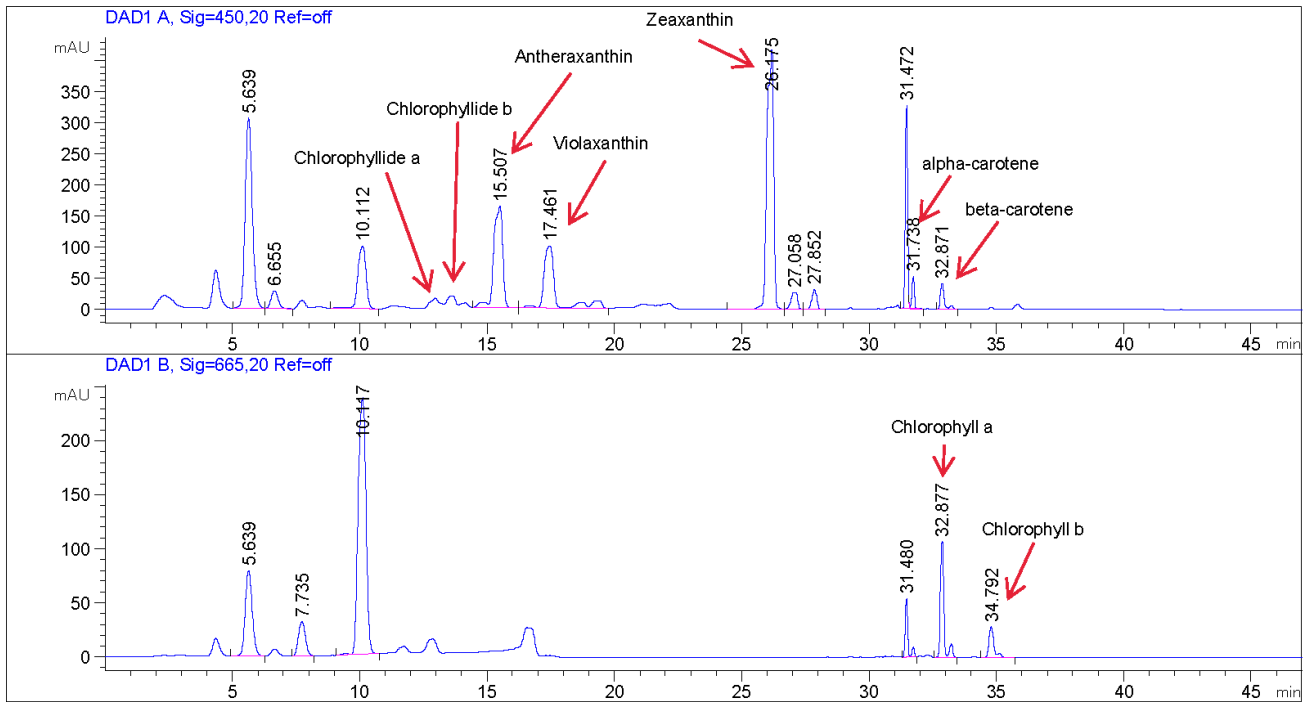


Figure S3. The chromatogram of photosynthetic pigments in the cultures of *Desmodemus armatus* treated with Cd at 72 h of cultivation

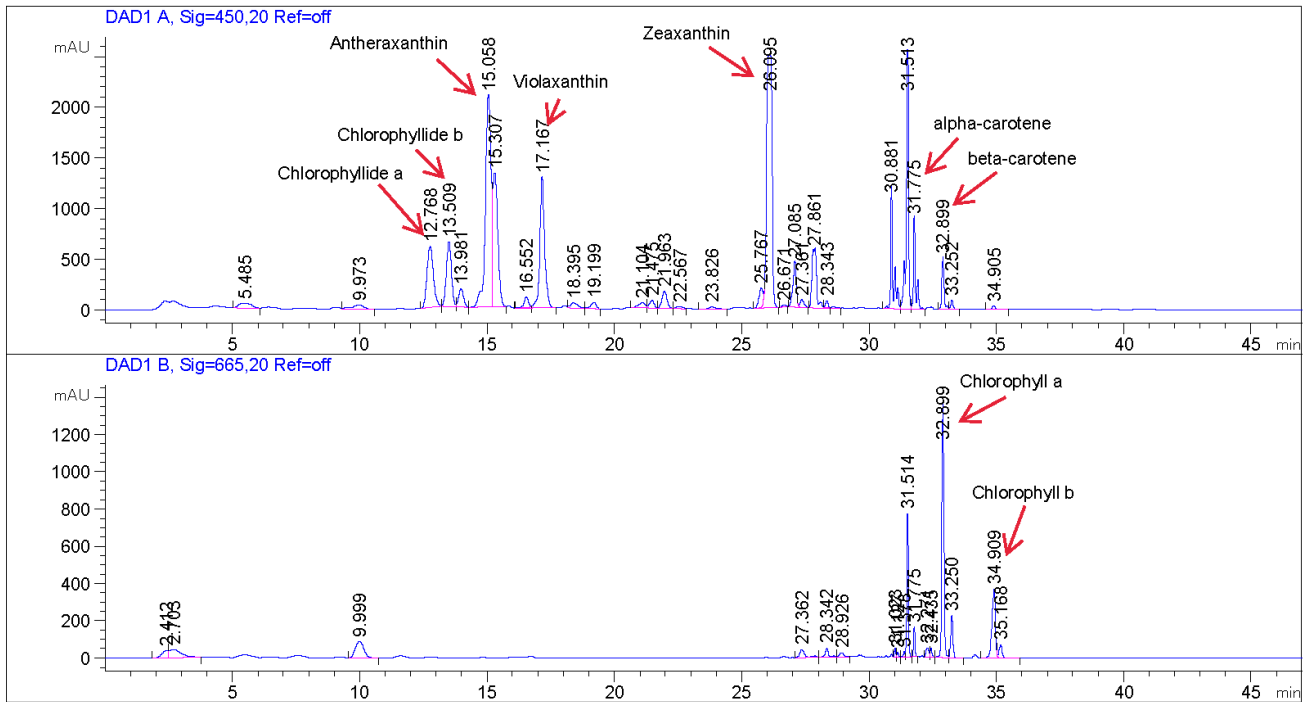


Figure S4. The chromatogram of photosynthetic pigments in the cultures of *Desmodemus armatus* treated with *trans*-zeatin at 72 h of cultivation

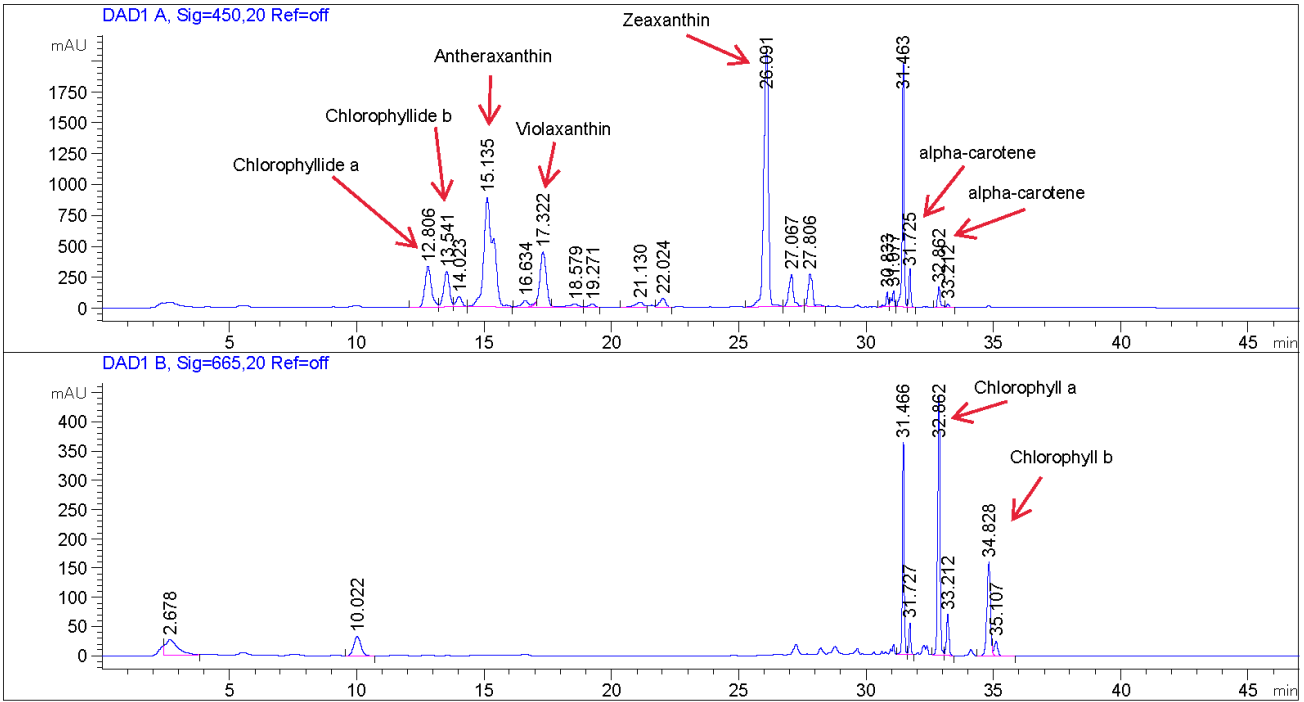


Figure S5. The chromatogram of photosynthetic pigments in the cultures of *Desmodemus armatus* treated with Cd and *trans*-zeatin at 72 h of cultivation

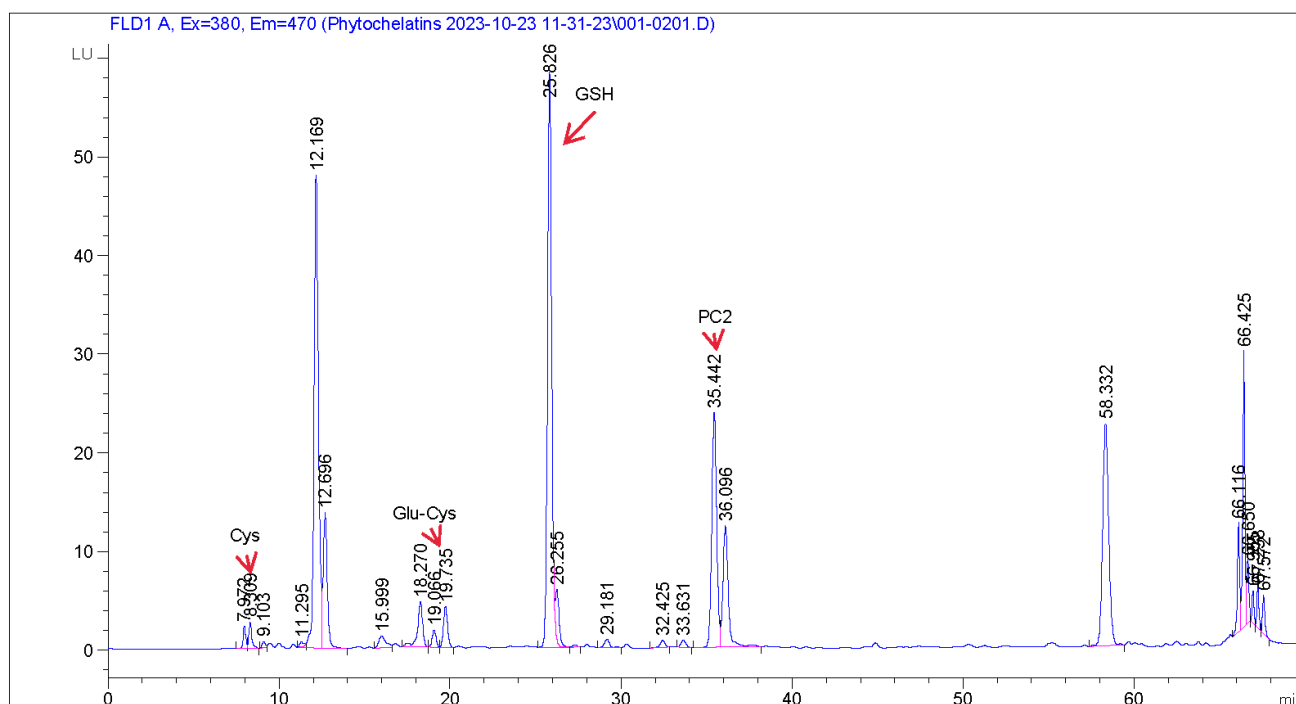


Figure S6. The chromatogram of phytochelatins in the cultures of *Desmodemus armatus* at 72 h of cultivation

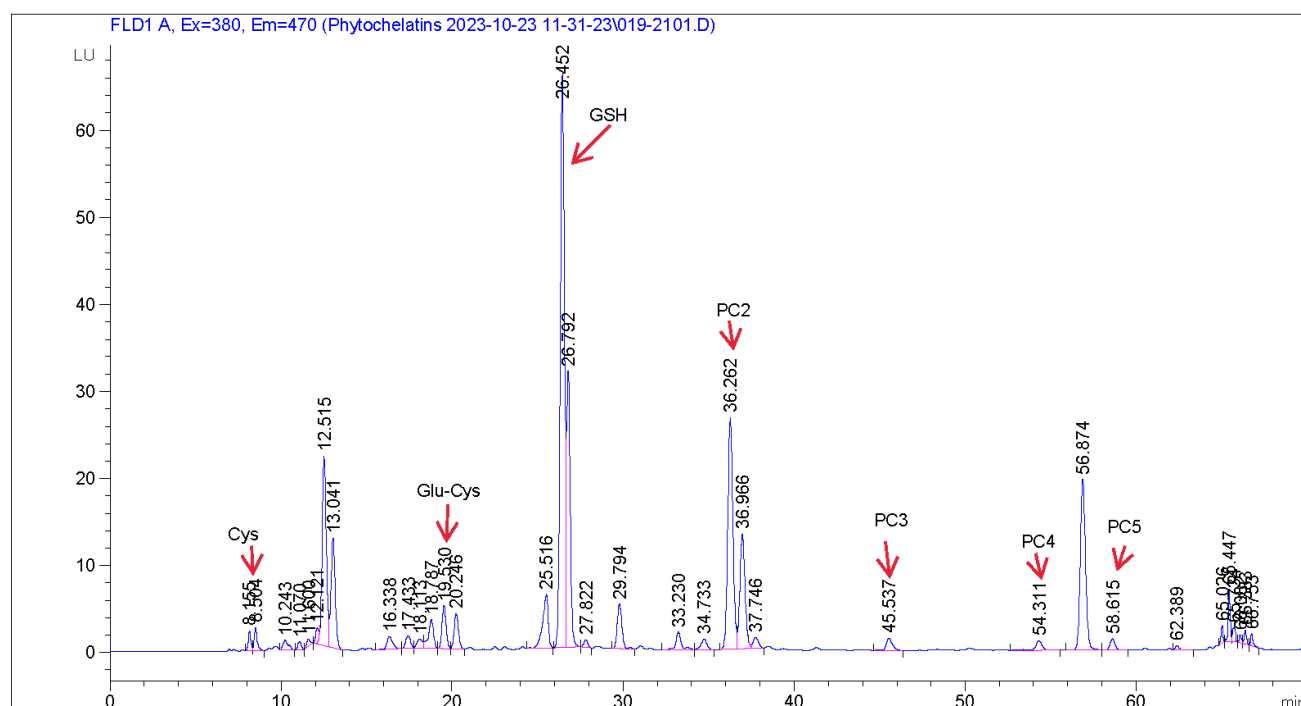


Figure S7. The chromatogram of phytochelatins in the cultures of *Desmodesmus armatus* treated with Cd at 72 h of cultivation

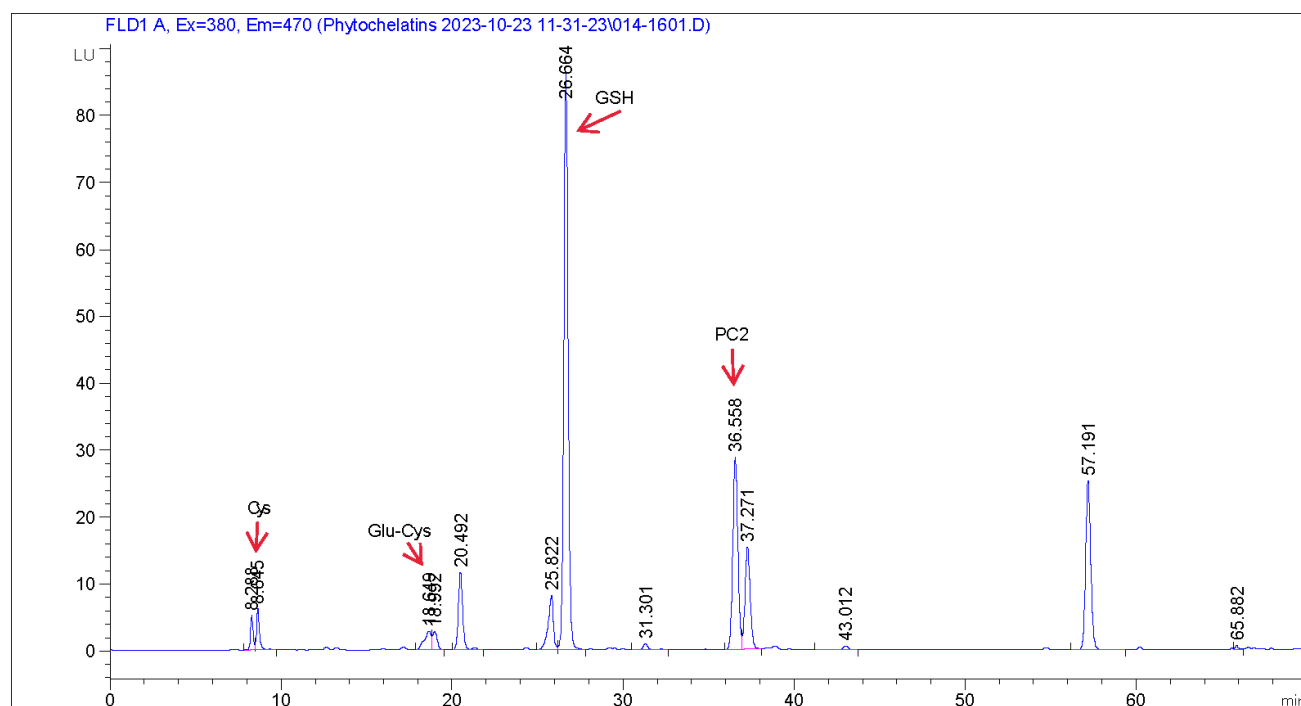


Figure S8. The chromatogram of phytochelatins in the cultures of *Desmodium armatus* treated with *trans*-zeatin at 72 h of cultivation

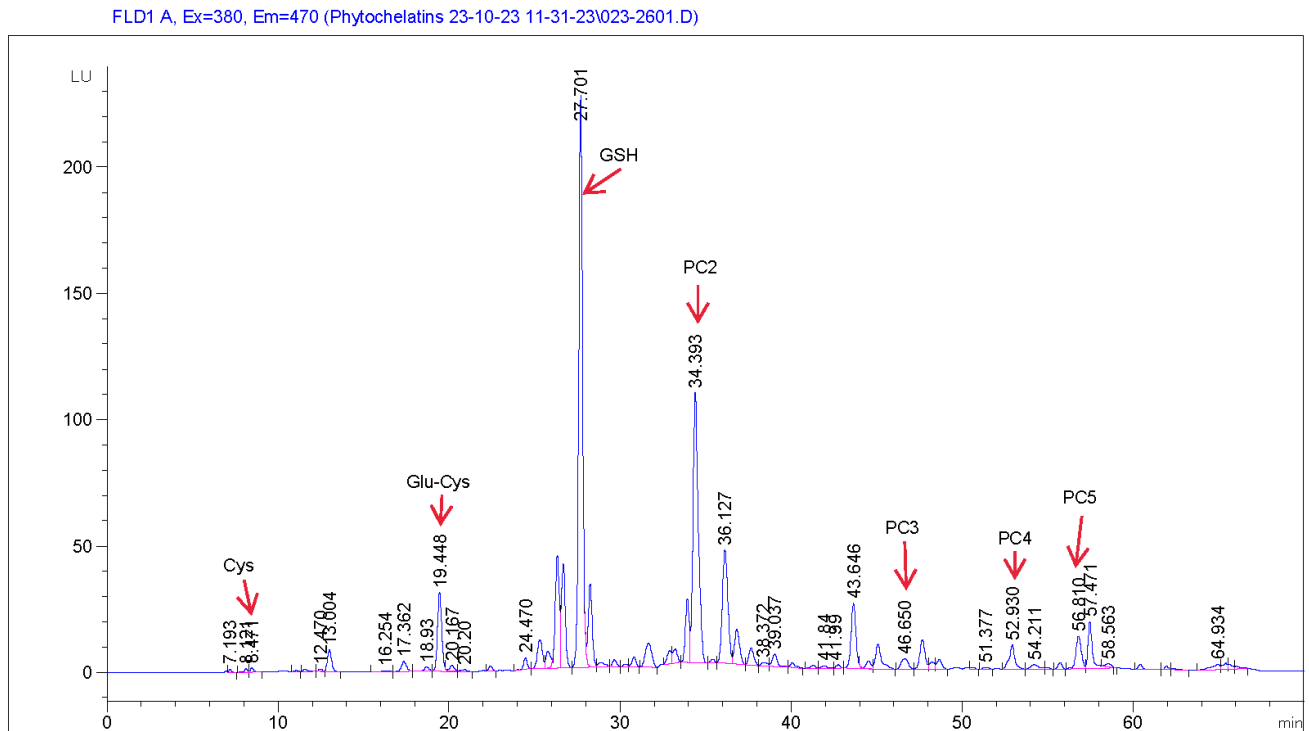


Figure S9. The chromatogram of phytochelatins in the cultures of *Desmodemus armatus* treated with Cd and trans-zeatin at 72 h of cultivation

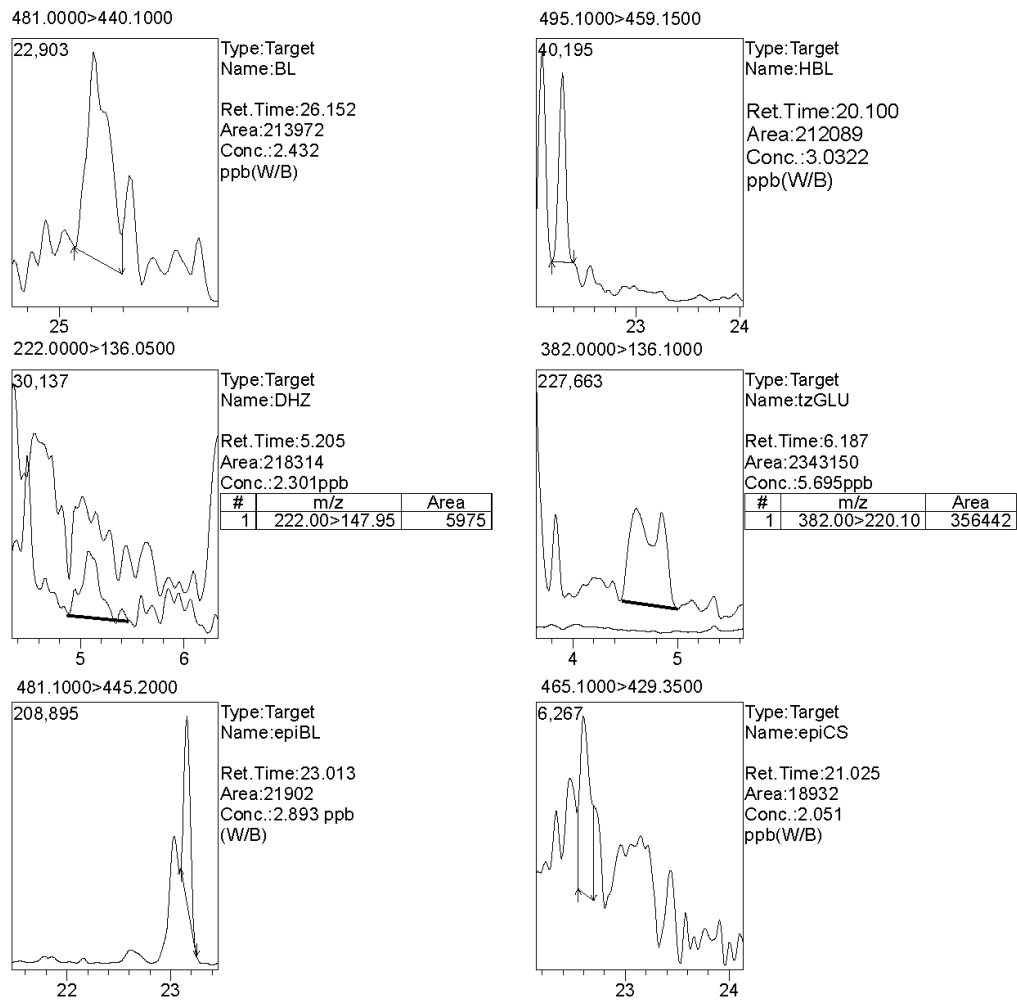


Figure S10. The confirmation of the presence of phytohormones in the cultures of *Desmodesmus armatus* at 72 h of cultivation

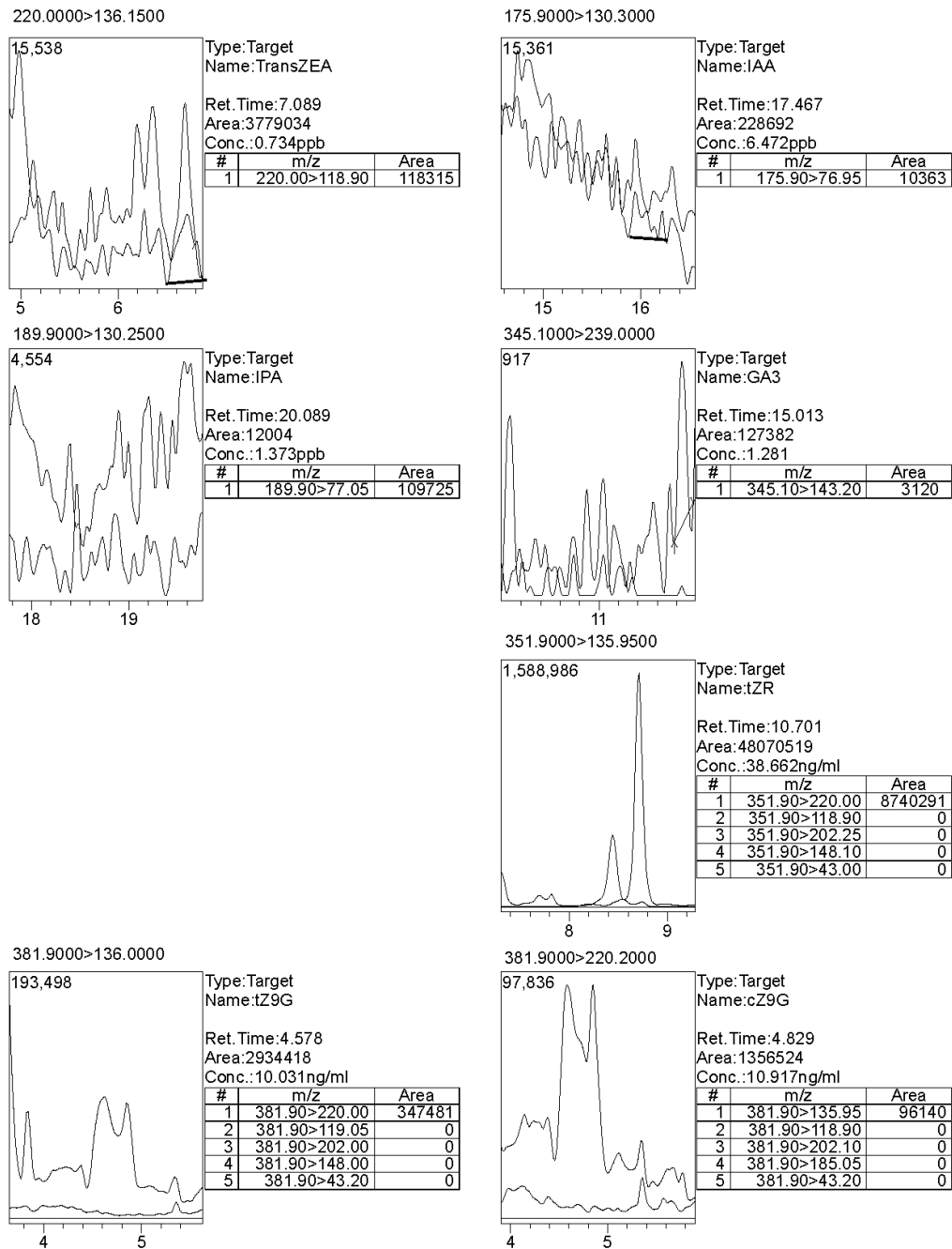


Figure S10. Continued.

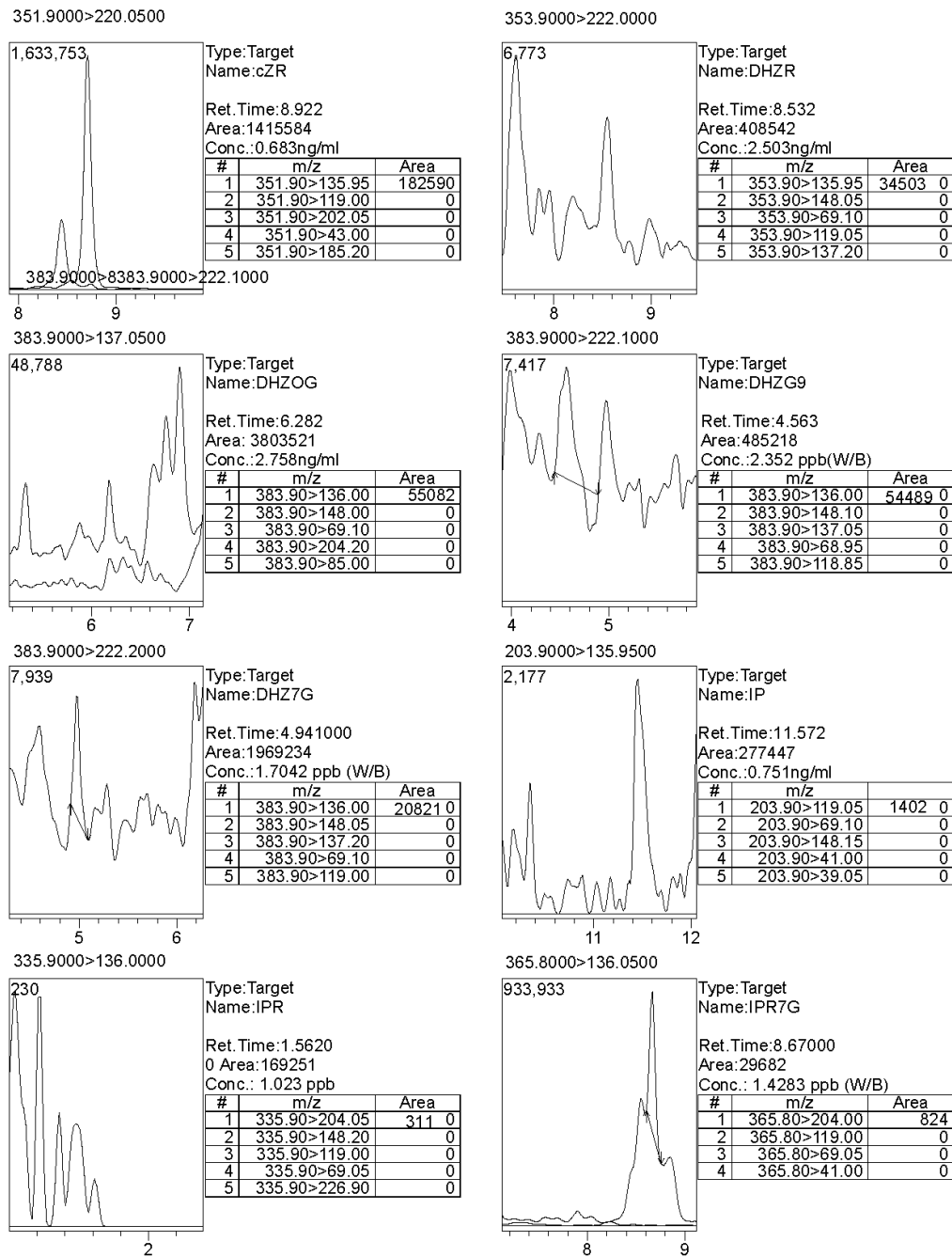
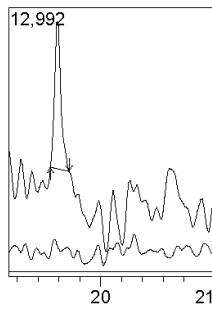


Figure S10. Continued.

203.8000>186.0000

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Name:IBA

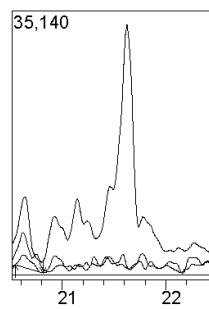
Ret.Time:19.631

Area:23908

Conc.:1.251 ppb (W/B)

#	m/z	Area
1	203.80>130.00	5103
2	203.80>144.10	0
3	203.80>117.00	0
4	203.80>168.00	0
5	203.80>103.05	0

467.1000>431.1000

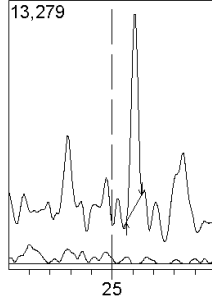
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Name:NorBL

Ret.Time:21.361 Area:30314

Conc.:0.894 ppb (W/B)

#	m/z	Area
1	467.10>81.20	2782
2	467.10>413.15	0
3	467.10>315.10	0
4	467.10>95.15	0
5	467.10>313.10	0

434.7000>394.0500

Type:Target
Name:6dTY

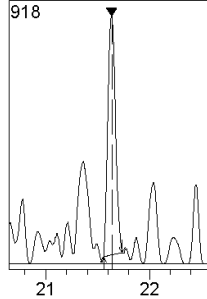
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Area:0

Conc.:N.D.(W/B)

#	m/z	Area
1	434.70>352.75	0
2	434.70>312.25	0
3	434.70>373.00	0
4	434.70>416.50	0
5	434.70>388.90	0

432.7000>365.1500

Type:Target
Name:CT

Ret.Time:21.634

Area:4233

Conc.:4.194ng/ml

#	m/z	Area
1	432.70>391.85	0
2	432.70>351.00	0
3	432.70>368.60	0
4	432.70>415.05	0
5	432.70>309.10	0

Figure S10. Continued.

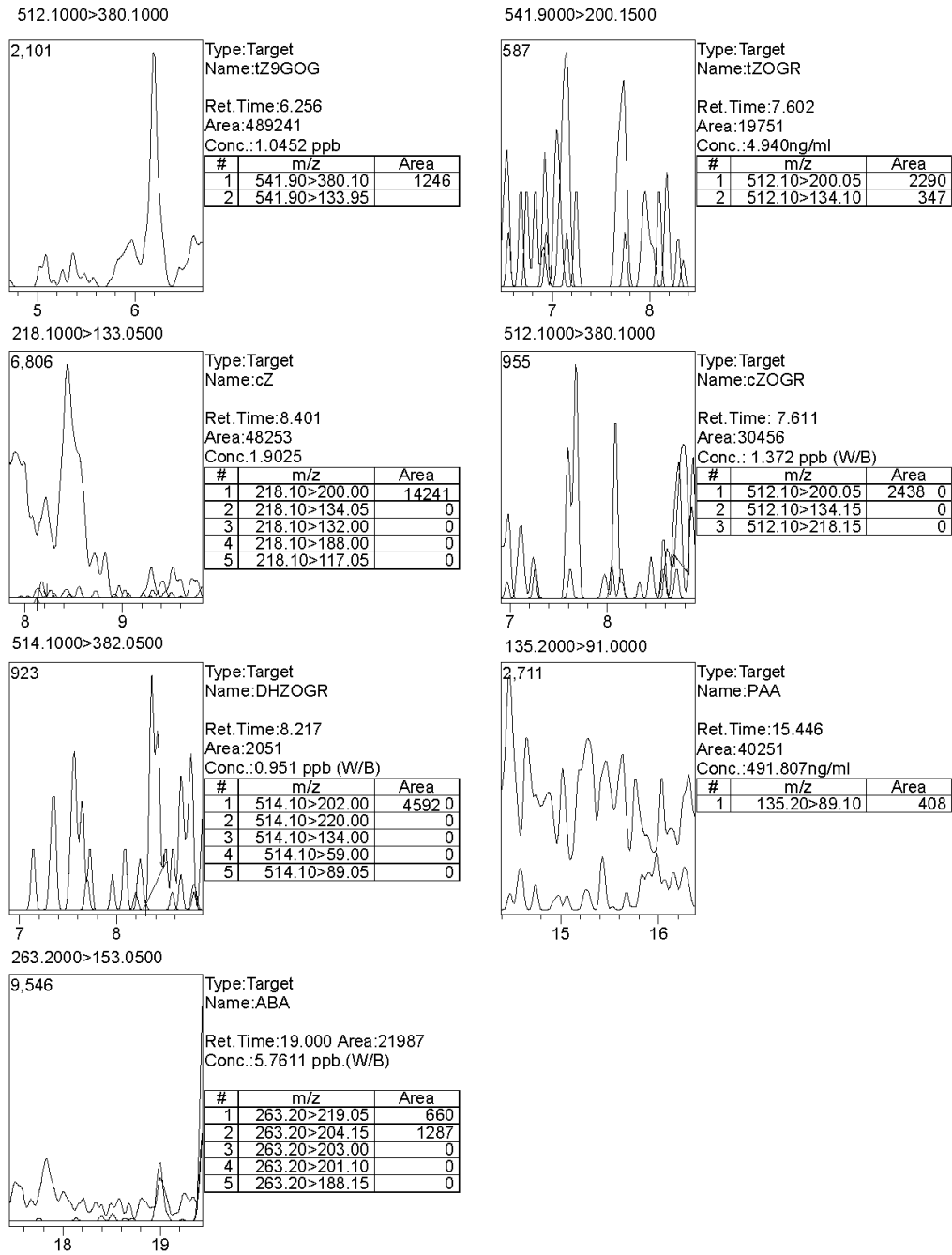


Figure S10. Continued.