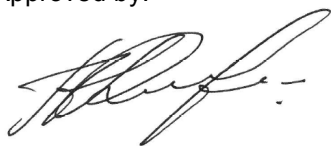


Name: Estrone 3-3' Dimer
Lot#: GR-11-061
Test Date: 02/26/2018 (re-test date: 02/26/2023)
CAS No.: NA
MF: C₃₆H₄₂O₃
MW: 522.73
Appearance: White solid
Purity: 97.9% by HPLC
¹H-NMR: Conforms (shows a trace of DCM)
MS-ESI (+) Conforms (shows peak at m/z = 523.34 [M+H]⁺)

Approved by:

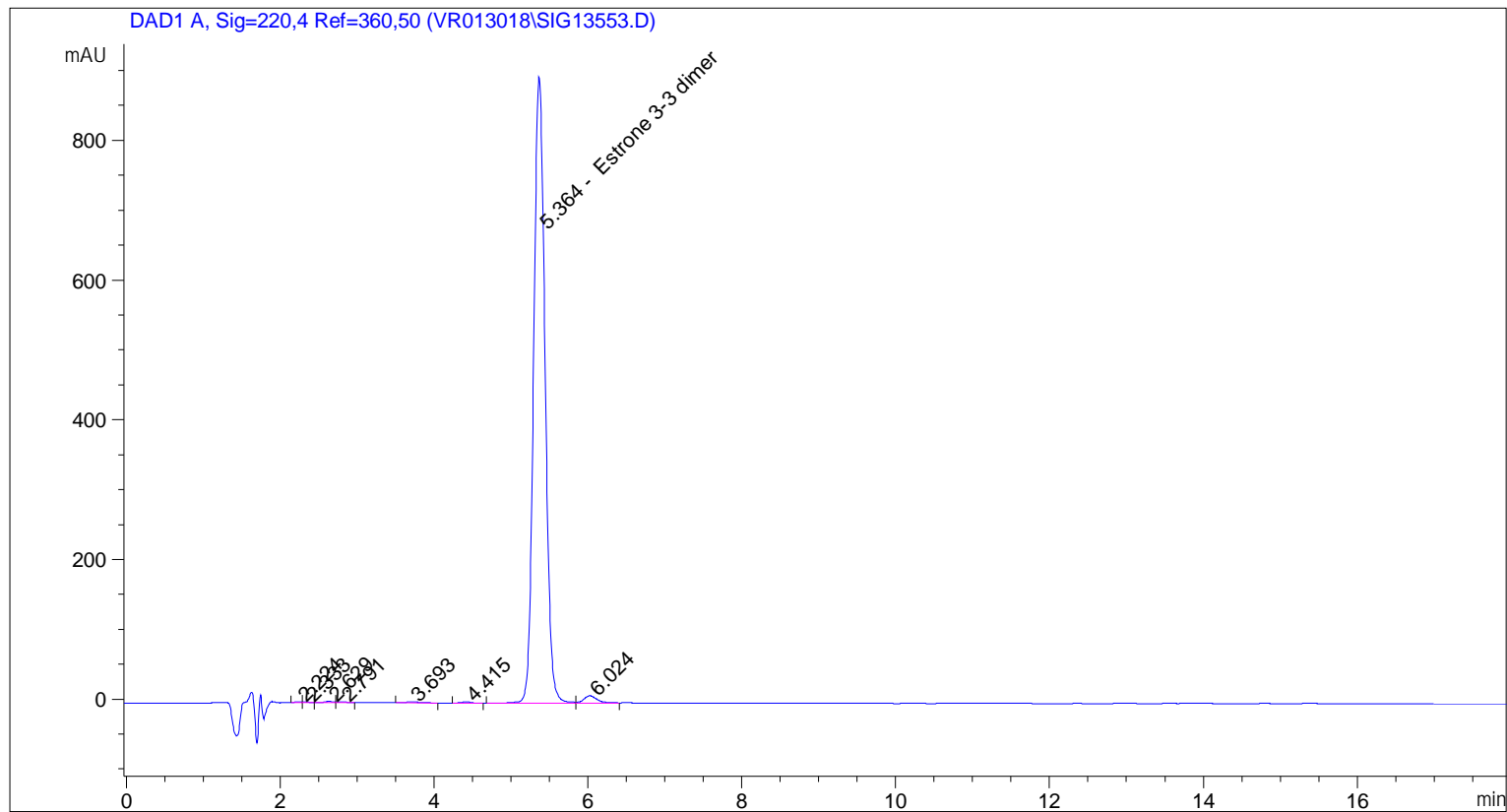
Date: 02/27/2018



Viorica Rusu, QC/QA Manager

```

=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 3
Injection Date  : 2/26/2018 3:35:28 PM
                                           Inj Volume : 40.0 µl
Acq. Method    : C:\CHEM32\1\METHODS\VR022618_061.M
Last changed   : 2/26/2018 3:30:18 PM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR022618_061PM.M
Last changed   : 2/26/2018 3:55:53 PM by vrusu
  
```



Area Percent Report

```

Sorted By      : Signal
Calib. Data Modified : 2/26/2018 3:55:24 PM
Multiplier:    : 1.0000
Dilution:     : 1.0000
Use Multiplier & Dilution Factor with ISTDs
  
```

Signal 1: DAD1 A, Sig=220,4 Ref=360,50

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	2.224	VV	0.0903	7.22123	0.0765	?
2	2.333	VB	0.0865	5.45030	0.0578	?
3	2.629	BV	0.1330	15.47642	0.1640	?
4	2.791	VB	0.1280	13.82678	0.1465	?
5	3.693	BB	0.1822	18.21842	0.1930	?
6	4.415	BB	0.1254	14.61096	0.1548	?
7	5.364	BV	0.1622	9240.02246	97.9095	Estrone 3-3 dimer
8	6.024	VB	0.1822	122.47874	1.2978	?

Sample Name: GR-11-061

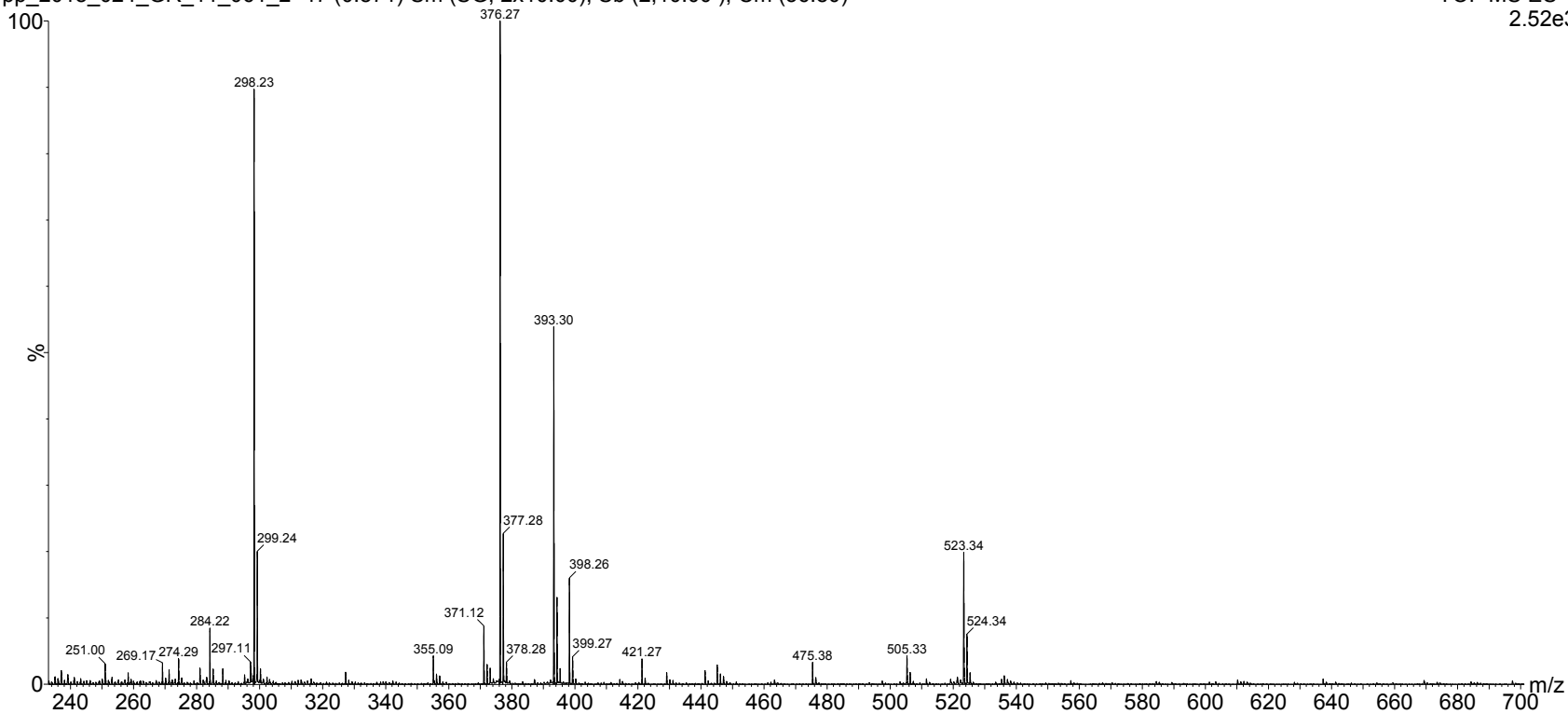
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
Totals :				9437.30531		

=====
*** End of Report ***

26-Feb-2018, 17:24:10

TOF MS ES+
2.52e3

pp_2018_024_GR_11_061_2 47 (0.871) Sm (SG, 2x10.00); Sb (2,10.00); Cm (36:80)

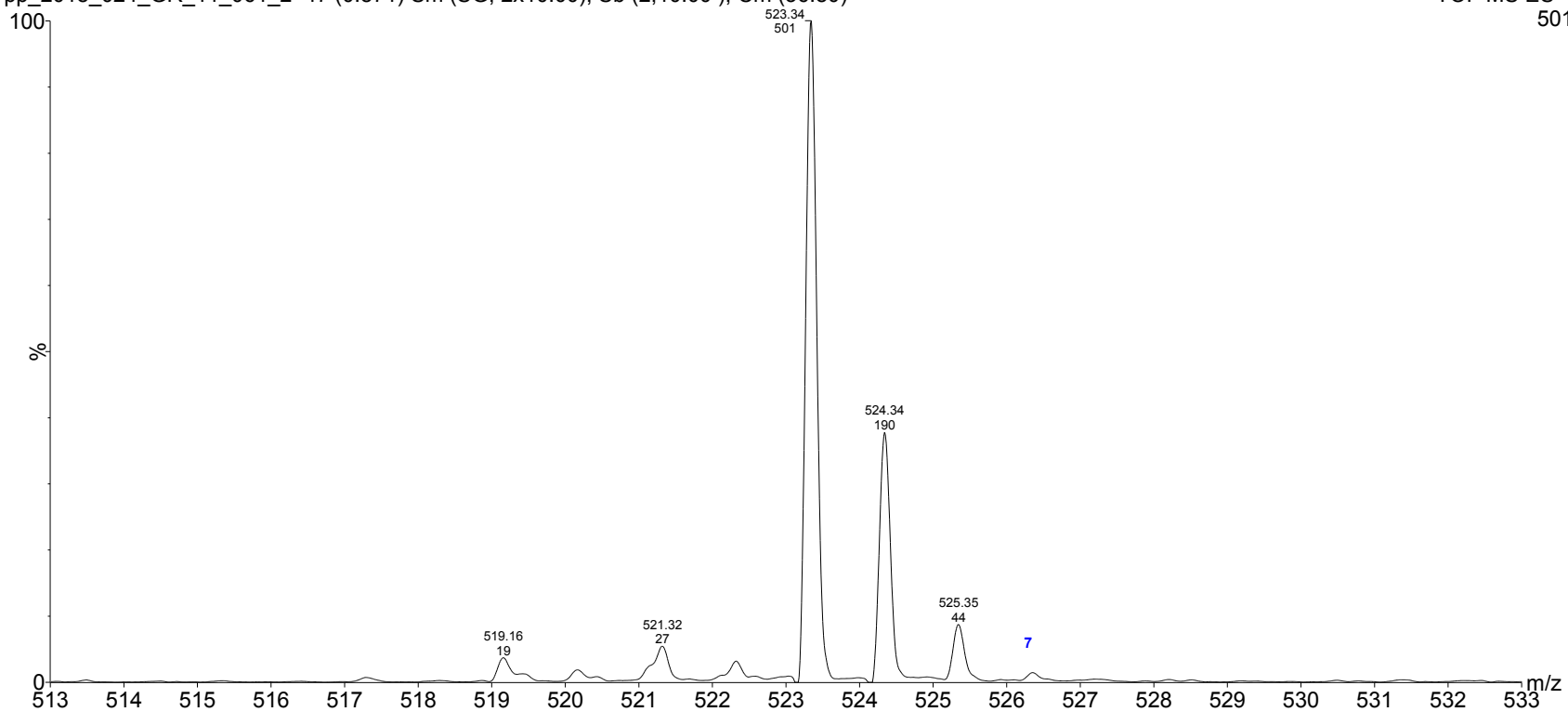


ESI-MS spectrum for sample GR-11-061. Shows monoisotopic $[M+H]^+$ mass.

26-Feb-2018, 17:24:10

TOF MS ES+
501

pp_2018_024_GR_11_061_2 47 (0.871) Sm (SG, 2x10.00); Sb (2,10.00); Cm (36:80)



Expansion of above with intensity labels.

