

Analysis Report

Prepared For: _____

Prepared By: _____

Analytical method

Mobile Phase A: 0.1% Formic Acid in Water

Mobile Phase B: 0.1% Formic Acid in Acetonitrile

Testing Site and Date

Testing Site: _____ Testing Date: 08/05/14

Analyte

Name: Testosterone Phenylpropionate

Condition while received: Well

Storage Condition after received: Room Temperature

There was no discrepancy when sample received.

Analytical Instrument

Equipment: High-Performance Liquid Chromatography with Mass Spectrometric
(MS/MS) Detection

ID Number: HPLC-017/MSMS-023

Software: MassLynx v.4.1

Result (original mass-spectrogram see attachment):

The sample has same Mass Transition with the standard.

The compound in sample is Testosterone Phenylpropionate .

Assay Percent%: 115.0

Analyst: _____

Date: 08/05/14

Auditor: _____

Date: 08/05/14

Testosterone Phenylpropionate

Molecular weight: 420.58

HPLC-023 Condition

Solvent A: 0.1% Formic Acid in Water

Solvent B: 0.1% Formic Acid in Acetonitrile

Mobile Phase: Solvent A:Solvent B (5:95, v/v)

Flow Rate (mL/min): 0.300

MSMS-017 Condition:

Cone (V)	10
Collision (eV)	20
Dwell Time (secs)	0.3
Delay Time (secs)	0.02
Ionization Mode	ES+
Source Temperature (°C)	130
Desolvation Temperature (°C)	350
Cone Gas (L/hr)	78
Desolvation Gas (L/hr)	797
Capillary (kV)	1.5
Hex 1 (V)	40
Aperture (V)	0
Hex 2 (V)	0.5
LM/HM Resolution 1	12.0/12.0
Ion Energy 1 (V)	0.5
LM/HM Resolution 2	12.0/12.0
Ion Energy 2 (V)	1.5
Entrance	-1
Exit	1
Multiplier (V)	650

	Standard	Sample
Mass Transition	421.21>104.99	421.33>104.99

Quantify Compound Summary Report **MassLynx 4.1**

Dataset: [REDACTED]
Signature: At Tuesday, August 05, 2014 2:13:55 PM China Standard Time
 By [REDACTED]
 Reason processing data
Printed: At Tuesday, August 05, 2014 4:29:53 PM China Standard Time
 By [REDACTED]

Method: [REDACTED] **05 Aug 2014 14:13:07**

Calibration: 05 Aug 2014 14:13:17

Compound name: TPP

Correlation coefficient: $r = 0.994423$, $r^2 = 0.988877$

Calibration curve: $0.693813 * x + 10.2541$

Response type: External Std, Area

Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: Ln

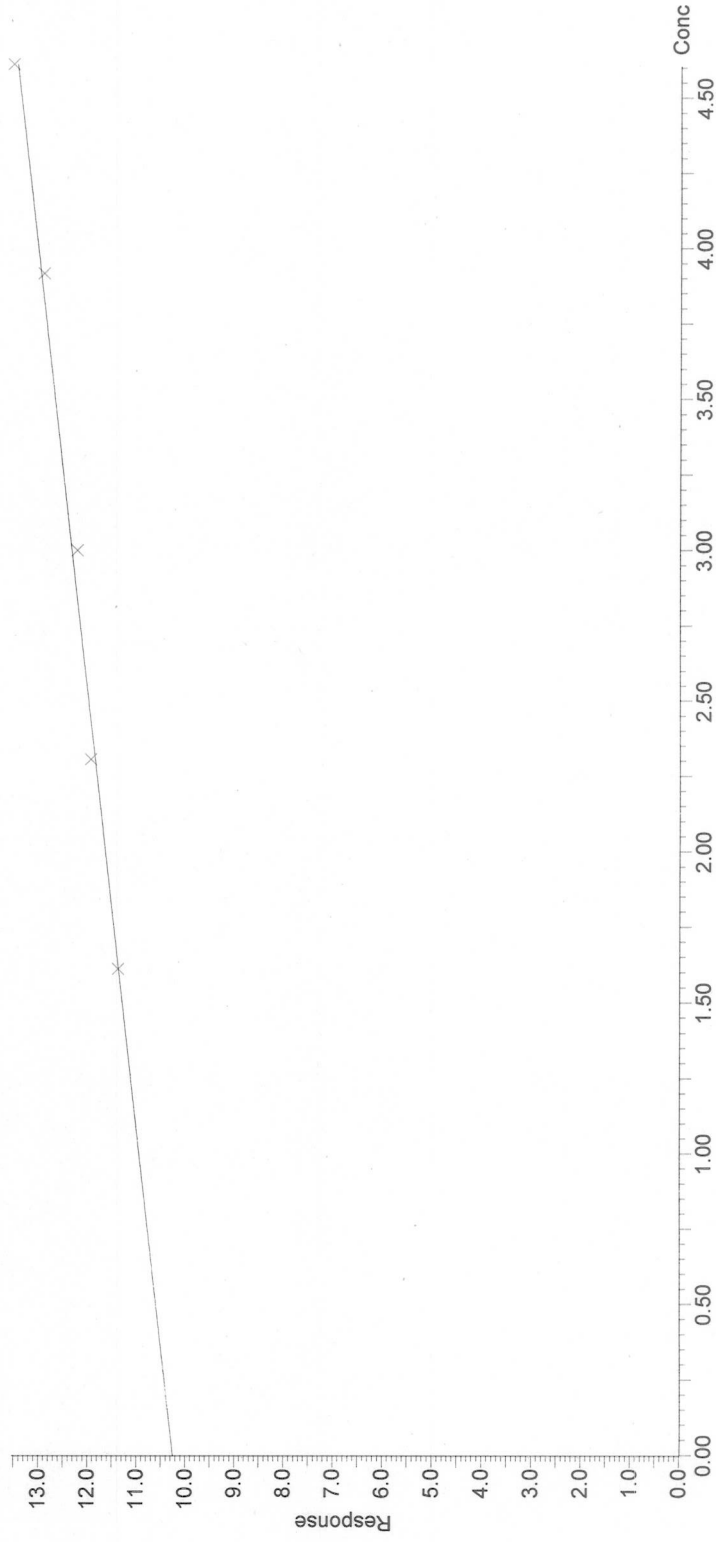
	#	Sample Text	Name	RT	Area	Response	Conc.	%Dev	Primar...	S/N
1	1	TPP Std 5.00 ng/mL	AR39001	3.35	87166	87166	5.03	0.696	bb	12558.617
2	2	TPP Std 10.0 ng/mL	AR39002	3.35	153777	153777	11.4	14.1	bb	16237.648
3	3	TPP Std 20.0 ng/mL	AR39003	3.35	202706	202706	17.0	-15.0	bb	20970.400
4	4	TPP Std 50.0 ng/mL	AR39004	3.35	402668	402668	45.7	-8.61	bb	34623.112
5	5	TPP Std 100 ng/mL	AR39005	3.36	750415	750415	112	12.1	bb	48612.549
6	6	TPP Sample 20.0 ng/mL	AR39006	3.35	245215	245215	22.4		bb	17755.280
7	7	TPP Sample 20.0 ng/mL	AR39007	3.35	254369	254369	23.6		bb	22958.211

Quantify Calibration Report MassLynx 4.1

Dataset: [REDACTED]
Signature: At Tuesday, August 05, 2014 14:13:55 China Standard Time
By [REDACTED]
Reason processing data
Printed: At Tuesday, August 05, 2014 15:09:19 China Standard Time
By [REDACTED]

Method: [REDACTED] 05 Aug 2014 14:13:07
Calibration: 05 Aug 2014 14:13:17

Compound name: TPP
Correlation coefficient: $r = 0.994423$, $r^2 = 0.988877$
Calibration curve: $0.693813 * x + 10.2541$
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: Ln



1 ug/mL

TPPST 10 (0.193) Cm (1:11)

Scan ES+
4.24e7

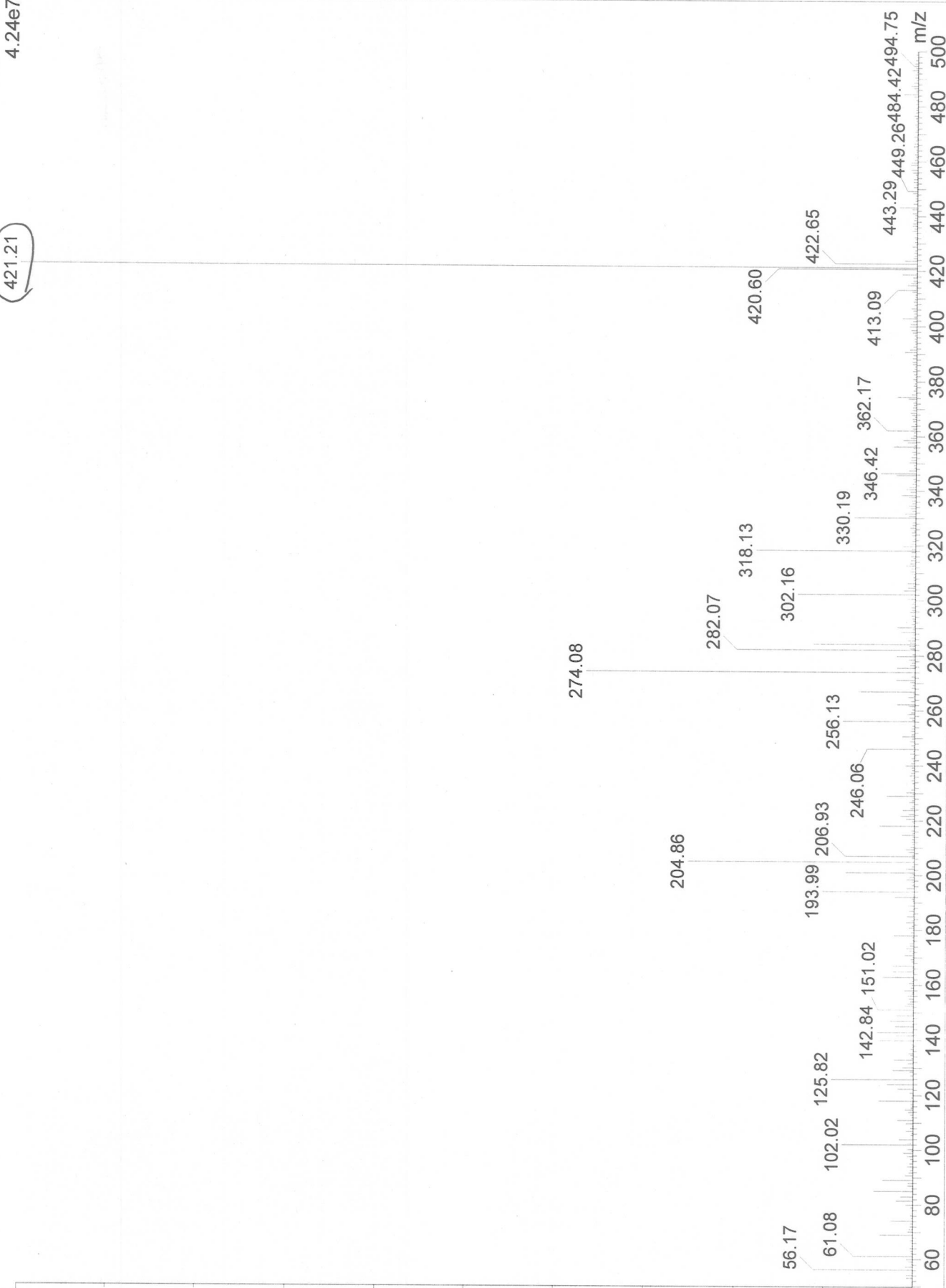
421.21

100

%

m/z

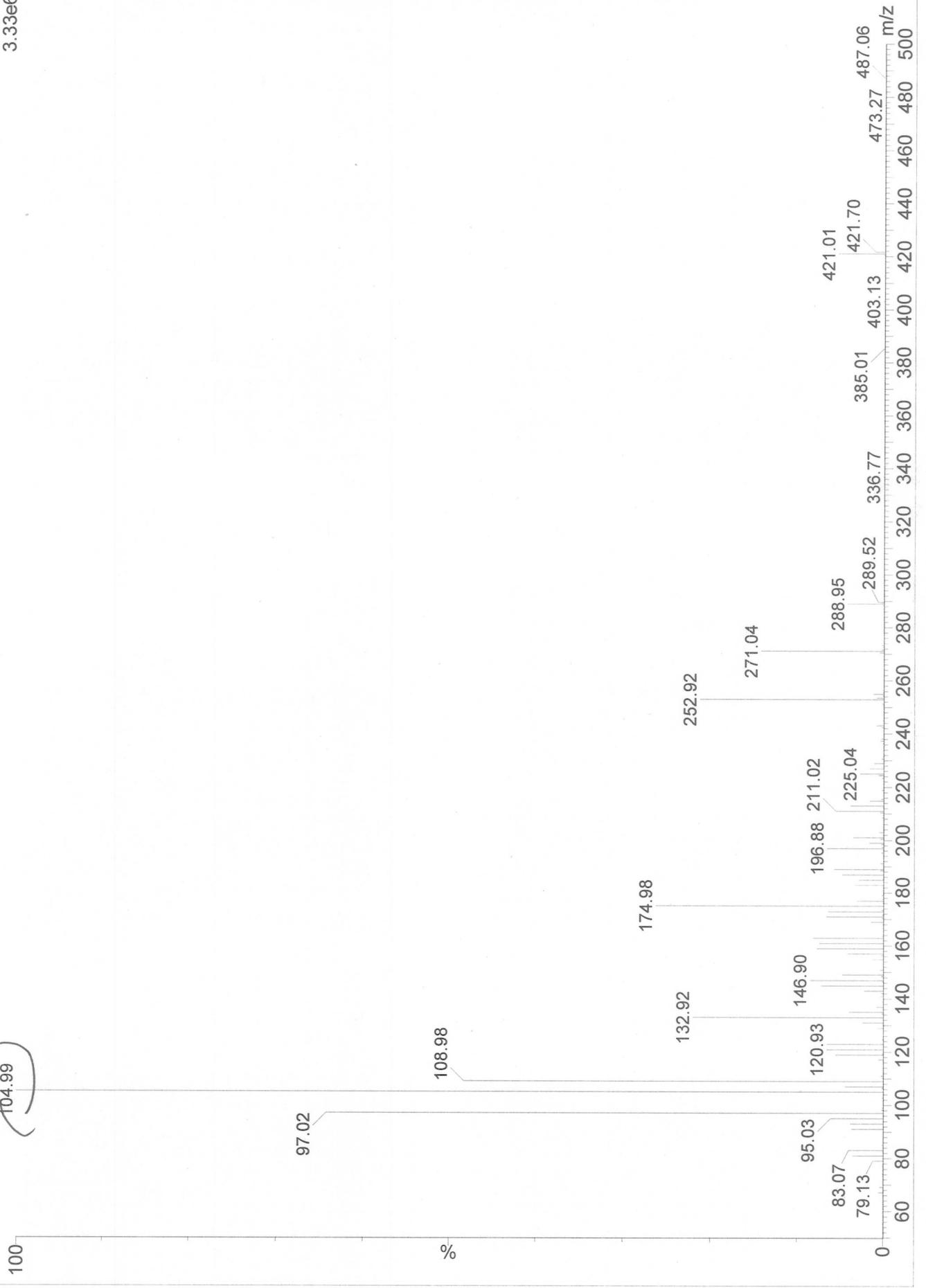
60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500



1 ug/mL 20

TPPST01 8 (0.156) Cm (1-11)

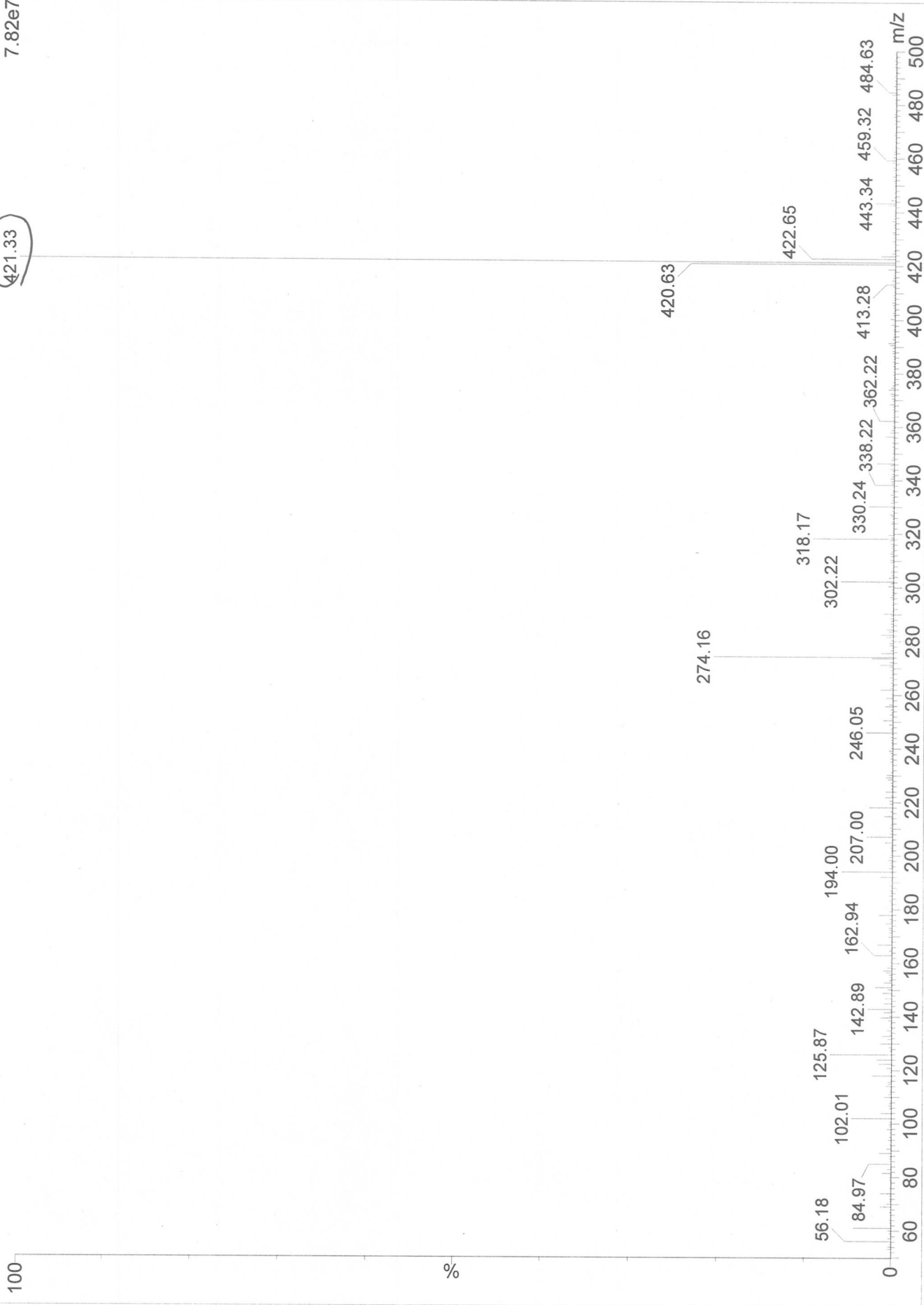
Daughters of 421ES+
3.33e6



1ug/mL
TPPSAMPLE 10 (0.193) Cm (1:11)

Scan ES+
7.82e7

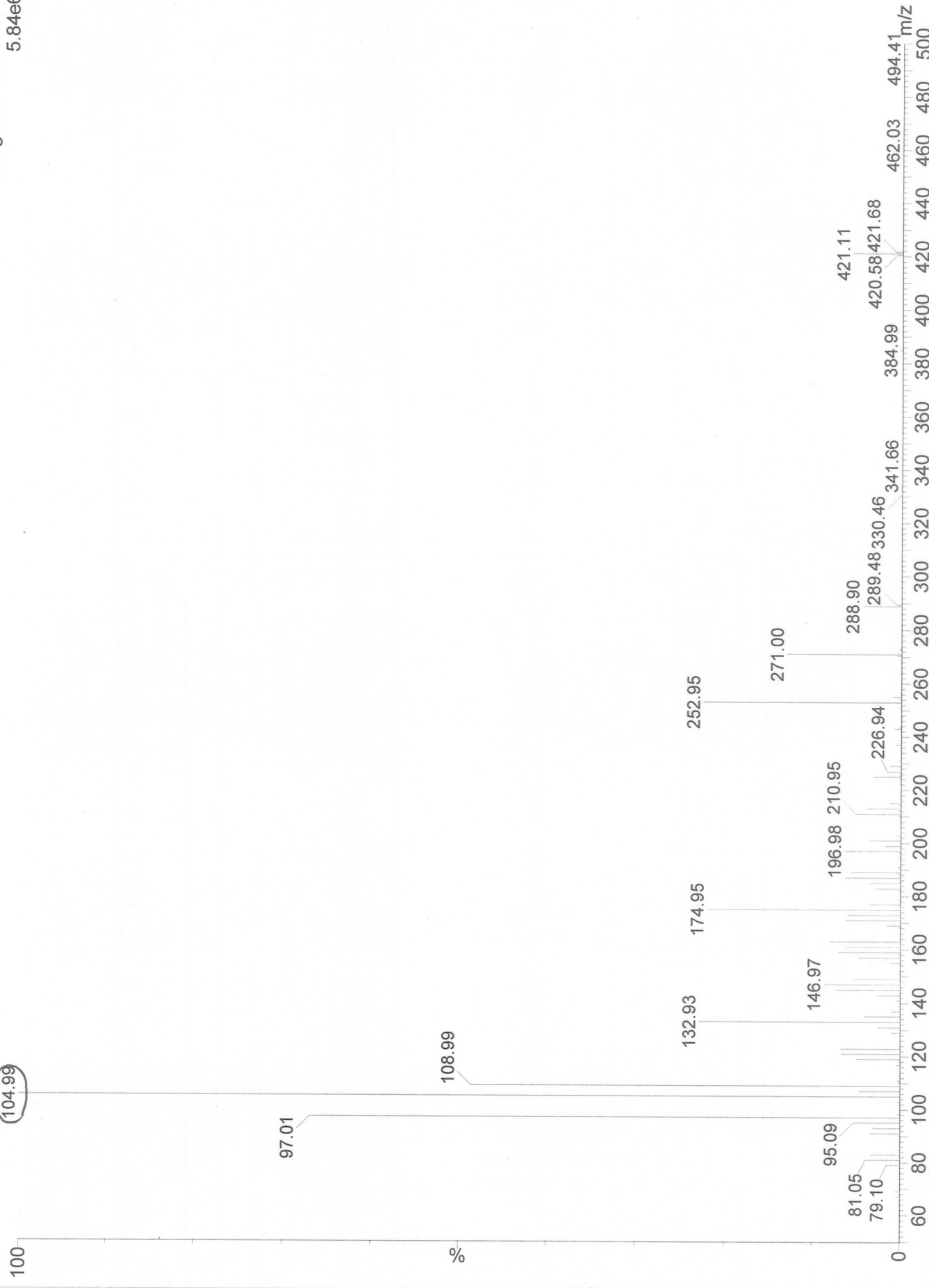
421.33



1ug/mL 20

TPPSAMPLE01 11 (0.212) Cm (1:11)

Daughters of 421ES+
5.84e6



Dataset:
Signature: At Tuesday, August 05, 2014 2:13:55 PM China Standard Time
By
Reason processing data
Printed: At Tuesday, August 05, 2014 4:55:57 PM China Standard Time
By

Method: 05 Aug 2014 14:13:07
Calibration: 05 Aug 2014 14:13:17

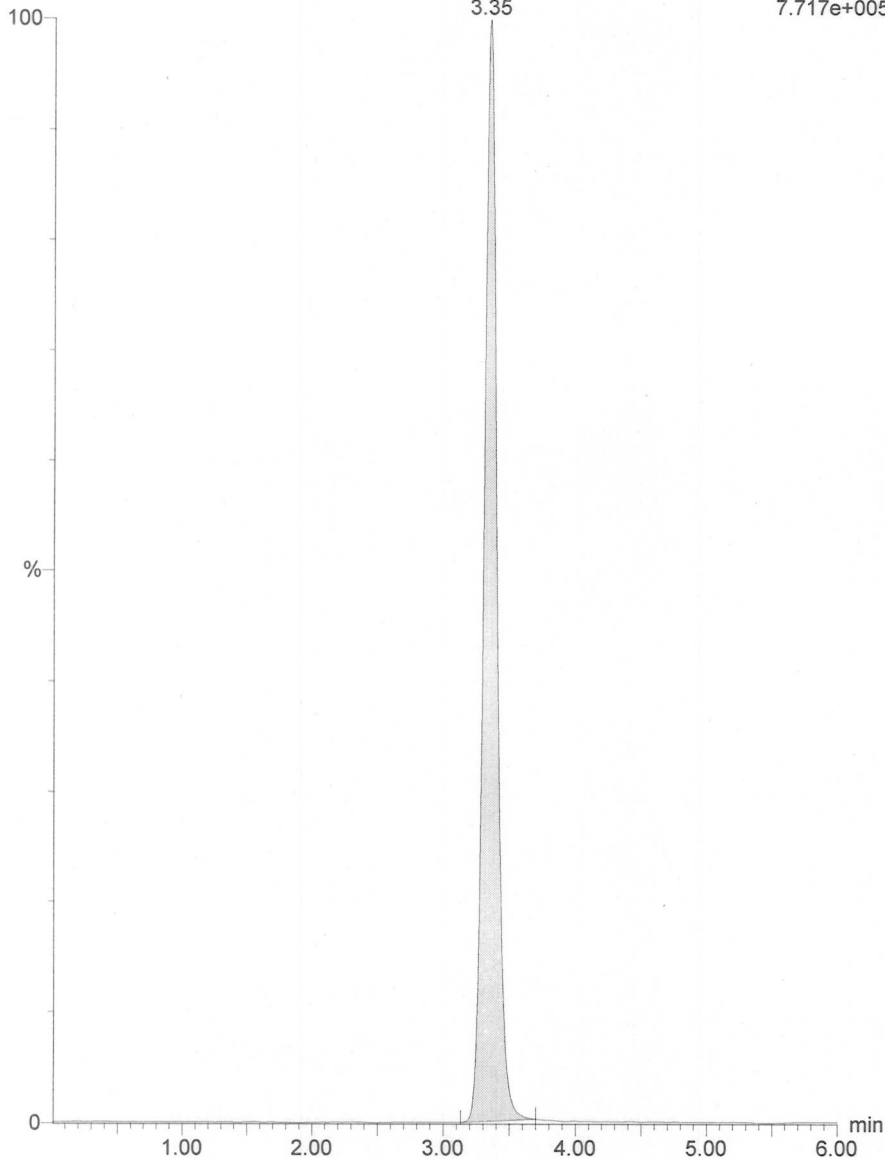
Name: AR39001, Date: 05-Aug-2014, Time: 10:19:56, ID: W1, Description: TPP Std 5.00 ng/mL

TPP

AR39001 Smooth(Mn,3x3)
TPP Std 5.00 ng/mL W1

MRM of 1 channel, ES+
421.21>104.99
7.717e+005

TPP
3.35



#	Name	Trace	RT.	Area	Response	Primar...	S/N
1	1 TPP	421.21>104.99	3.35	87166	87166	bb	12558.617

Dataset:
Signature: At Tuesday, August 05, 2014 2:13:55 PM China Standard Time
By
Reason processing data
Printed: At Tuesday, August 05, 2014 4:55:57 PM China Standard Time
By

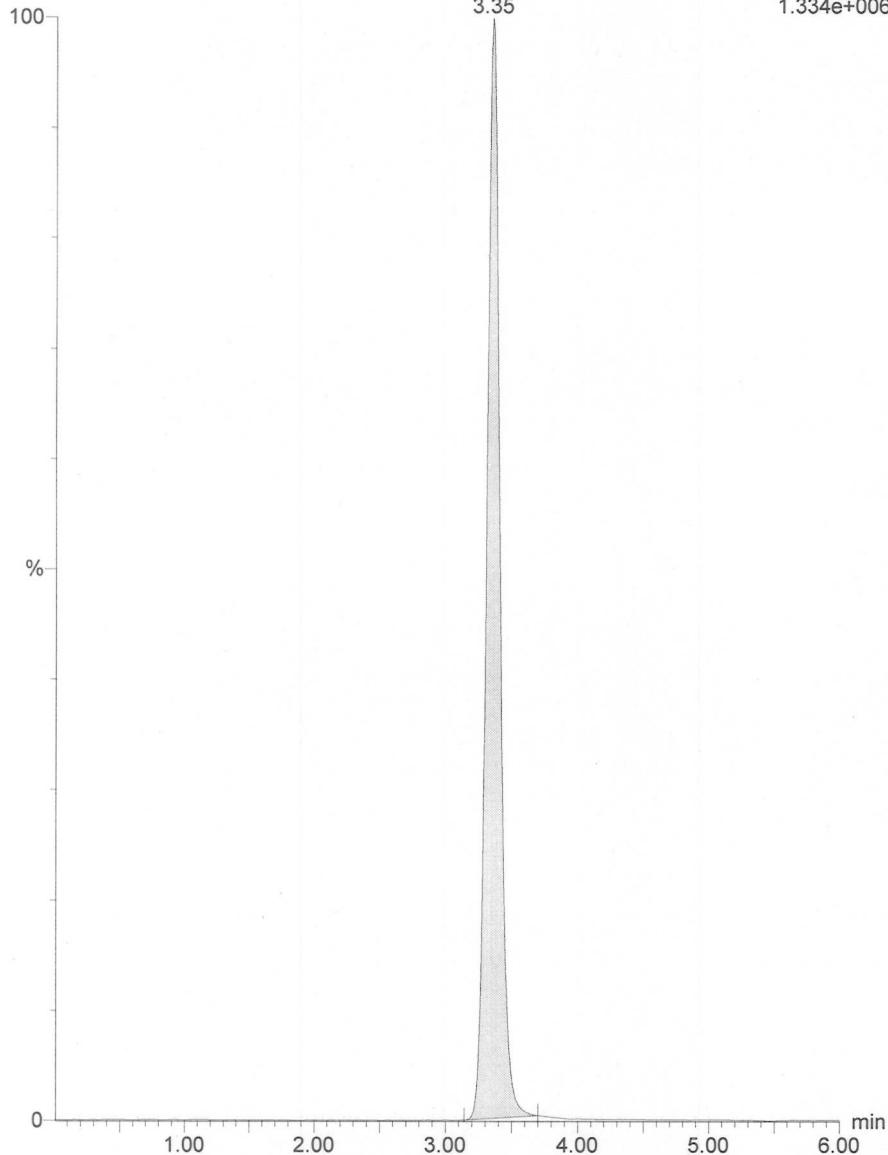
Name: AR39002, Date: 05-Aug-2014, Time: 10:26:36, ID: W2, Description: TPP Std 10.0 ng/mL

TPP

AR39002 Smooth(Mn,3x3)
TPP Std 10.0 ng/mL W2

MRM of 1 channel,ES+
421.21>104.99
1.334e+006

TPP
3.35



#	Name	Trace	RT	Area	Response	Primar...	S/N
1	1 TPP	421.21>104.99	3.35	153777	153777	bb	16237.648

Dataset:
Signature: At Tuesday, August 05, 2014 2:13:55 PM China Standard Time
By
Reason processing data
Printed: At Tuesday, August 05, 2014 4:55:57 PM China Standard Time
By

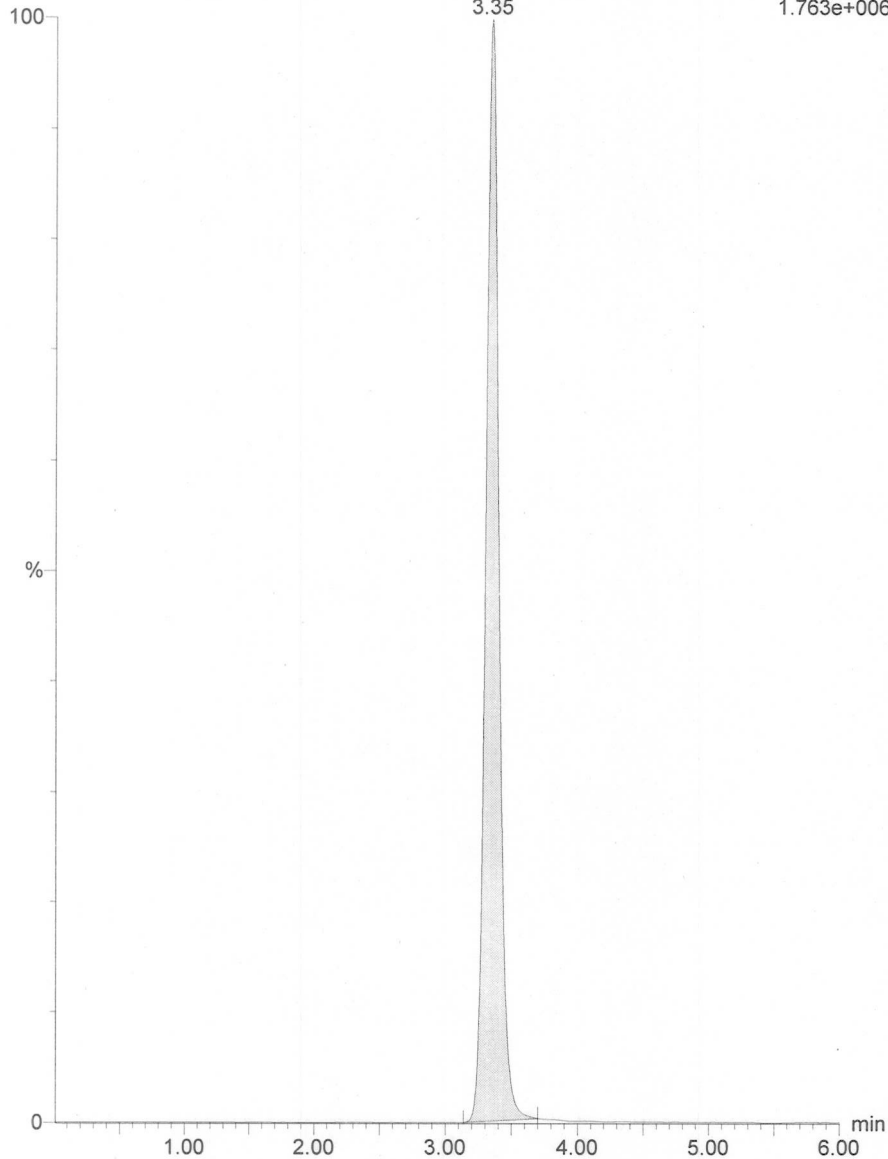
Name: AR39003, Date: 05-Aug-2014, Time: 10:33:17, ID: W3, Description: TPP Std 20.0 ng/mL

TPP

AR39003 Smooth(Mn,3x3)
TPP Std 20.0 ng/mL W3

MRM of 1 channel,ES+
421.21>104.99
1.763e+006

TPP
3.35



#	Name	Trace	RT	Area	Response	Primar...	S/N
1	1 TPP	421.21>104.99	3.35	202706	202706	bb	20970.400

Dataset:
Signature: At Tuesday, August 05, 2014 2:13:55 PM China Standard Time
By
Reason processing data
Printed: At Tuesday, August 05, 2014 4:55:57 PM China Standard Time
By

Name: AR39004, Date: 05-Aug-2014, Time: 10:39:58, ID: W4, Description: TPP Std 50.0 ng/mL

TPP

AR39004 Smooth(Mn,3x3)
TPP Std 50.0 ng/mL W4

MRM of 1 channel,ES+
421.21>104.99
3.514e+006

TPP
3.35



#	Name	Trace	RT	Area	Response	Primar...	S/N
1	1 TPP	421.21>104.99	3.35	402668	402668	bb	34623.112

Dataset:
Signature: At Tuesday, August 05, 2014 2:13:55 PM China Standard Time
By
Reason processing data
Printed: At Tuesday, August 05, 2014 4:55:57 PM China Standard Time
By

Name: AR39005, Date: 05-Aug-2014, Time: 10:46:39, ID: W5, Description: TPP Std 100 ng/mL

TPP

AR39005 Smooth(Mn,3x3)
TPP Std 100 ng/mL W5

MRM of 1 channel,ES+
421.21>104.99
6.303e+006

TPP
3.36



#	Name	Trace	RT	Area	Response	Primar...	S/N
1	1 TPP	421.21>104.99	3.36	750415	750415	bb	48612.549

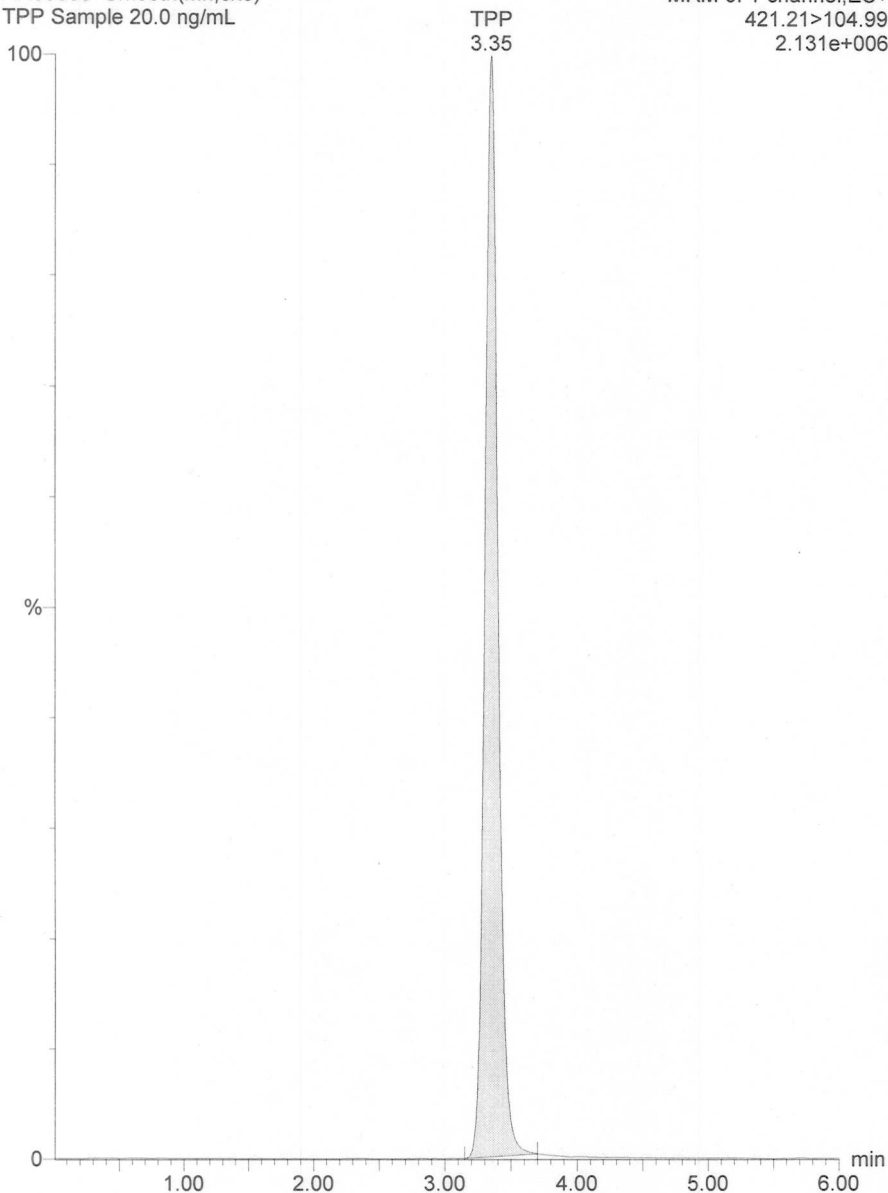
Dataset:
Signature: At Tuesday, August 05, 2014 2:13:55 PM China Standard Time
By
Reason processing data
Printed: At Tuesday, August 05, 2014 4:55:57 PM China Standard Time
By

Name: AR39006, Date: 05-Aug-2014, Time: 10:53:20, ID: , Description: TPP Sample 20.0 ng/mL

TPP

AR39006 Smooth(Mn,3x3)
TPP Sample 20.0 ng/mL

MRM of 1 channel,ES+
421.21>104.99
2.131e+006



#	Name	Trace	RT	Area	Response	Primar...	S/N
1	1 TPP	421.21>104.99	3.35	245215	245215	bb	17755.280

Dataset:
Signature: At Tuesday, August 05, 2014 2:13:55 PM China Standard Time
By
Reason processing data
Printed: At Tuesday, August 05, 2014 4:55:57 PM China Standard Time
By

Name: AR39007, Date: 05-Aug-2014, Time: 11:00:01, ID: , Description: TPP Sample 20.0 ng/mL

TPP

AR39007 Smooth(Mn,3x3)
TPP Sample 20.0 ng/mL

MRM of 1 channel,ES+
421.21>104.99
2.219e+006

TPP
3.35



#	Name	Trace	RT	Area	Response	Primar...	S/N
1	1 TPP	421.21>104.99	3.35	254369	254369	bb	22958.211

AR39 Testosterone Phenylpropionate

HPLC Condition

Solvent A: 0.1% Formic Acid in Water

Solvent B: 0.1% Formic Acid in Acetonitrile

Mobile Phase: Solvent A: Solvent B (5:95, v/v)

Flow Rate (mL/min): 0.300

Column: Waters Atlantis dC18, 150 × 2.1 mm, 5 μm, Column

	Calculated Conc.(ug/mL)	Mean Actual Conc.(ug/mL)	Theoretical Conc.(ug/mL)	Assay Percent %
S1-1	22.40	23.0	20.0	115.0
S1-2	23.60			