

## 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: 10/11/14

### Analyte

Name: Oxymetholone (OXY)

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-023/MSMS-017

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 Oxymetholone.

Assay Percent%: 106.0

Analyst: \_\_\_\_\_

Date: 10/11/14

Auditor: \_\_\_\_\_

Date: 10/11/14

Oxymetholone (OXY)  
Molecular weight:332.48

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 (2:98, v/v)

Flow Rate (mL/min): 0.300

MSMS-017 Condition:

Cone (V)	45
Collision (eV)	50
Dwell Time (secs)	0.3
Delay Time (secs)	0.00
Ionization Mode	ES-
Source Temperature (°C)	130
Desolvation Temperature (°C)	350
Cone Gas (L/hr)	81
Desolvation Gas (L/hr)	801
Capillary (kV)	1
Hex 1 (V)	25
Aperture (V)	0
Hex 2 (V)	0.5
LM/HM Resolution 1	15.0
Ion Energy 1 (V)	1.0
LM/HM Resolution 2	15.0
Ion Energy 2 (V)	1.0
Entrance	-1.0
Exit	1.0
Multiplier (V)	650

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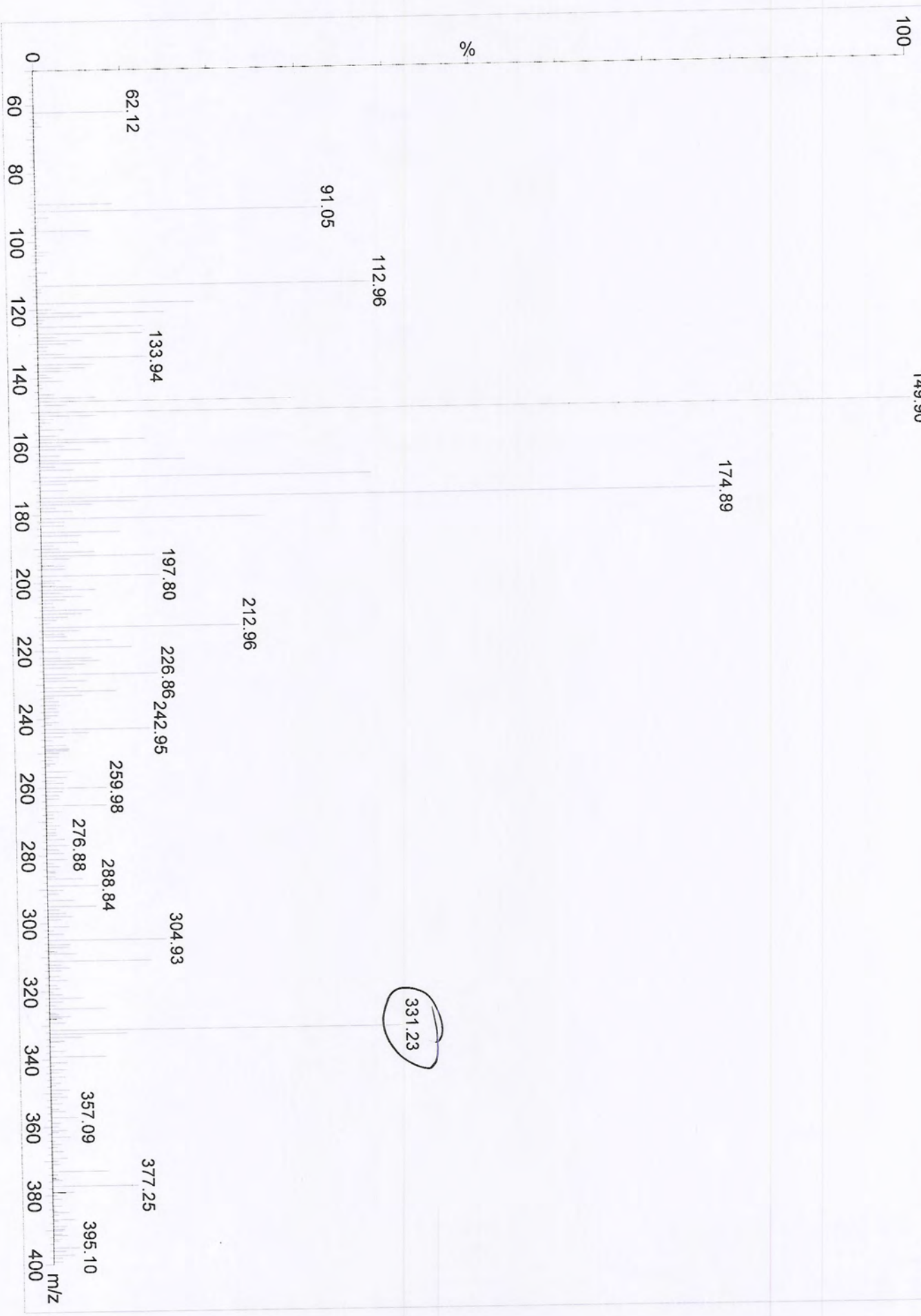
	Standard	Sample
Mass Transition	331.23>299.30	331.23>299.05

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OXY

OXY STA 001 1 (0.044)

Scan ES-  
3.41e6





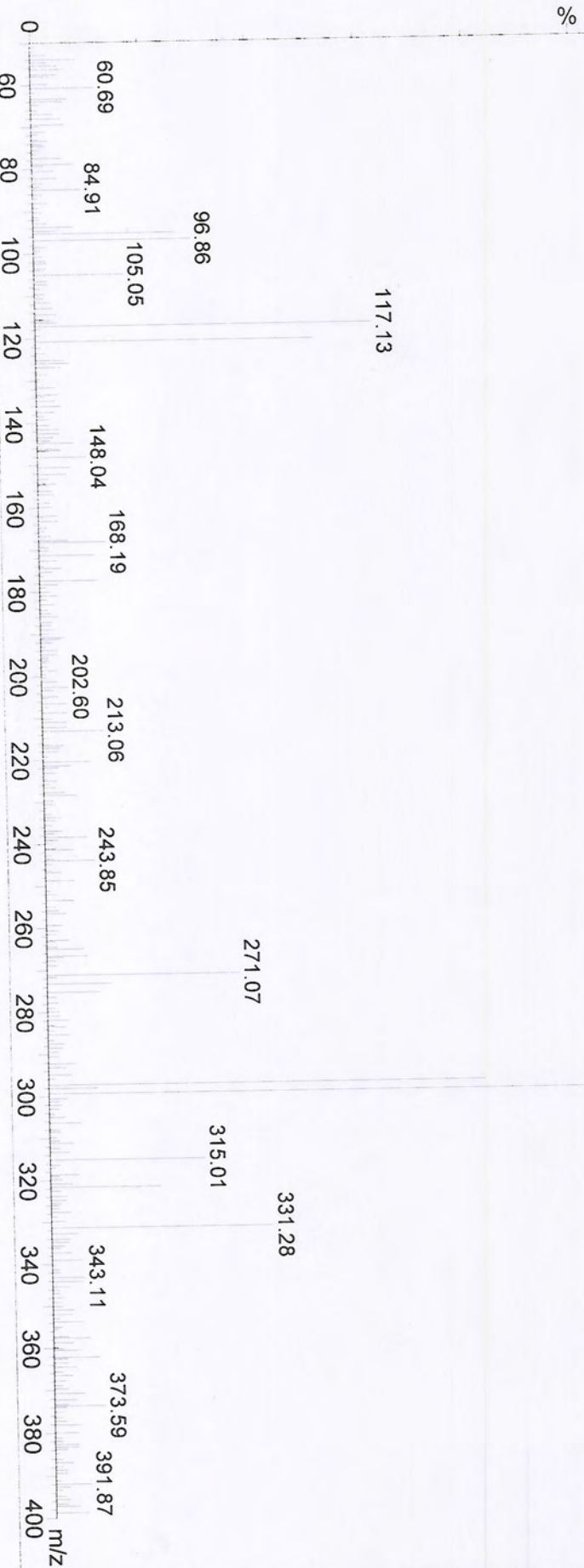
OXY Ele- 50

OXY STA 002 1 (0.044)

100

Daughters of 331ES-  
8.59e3

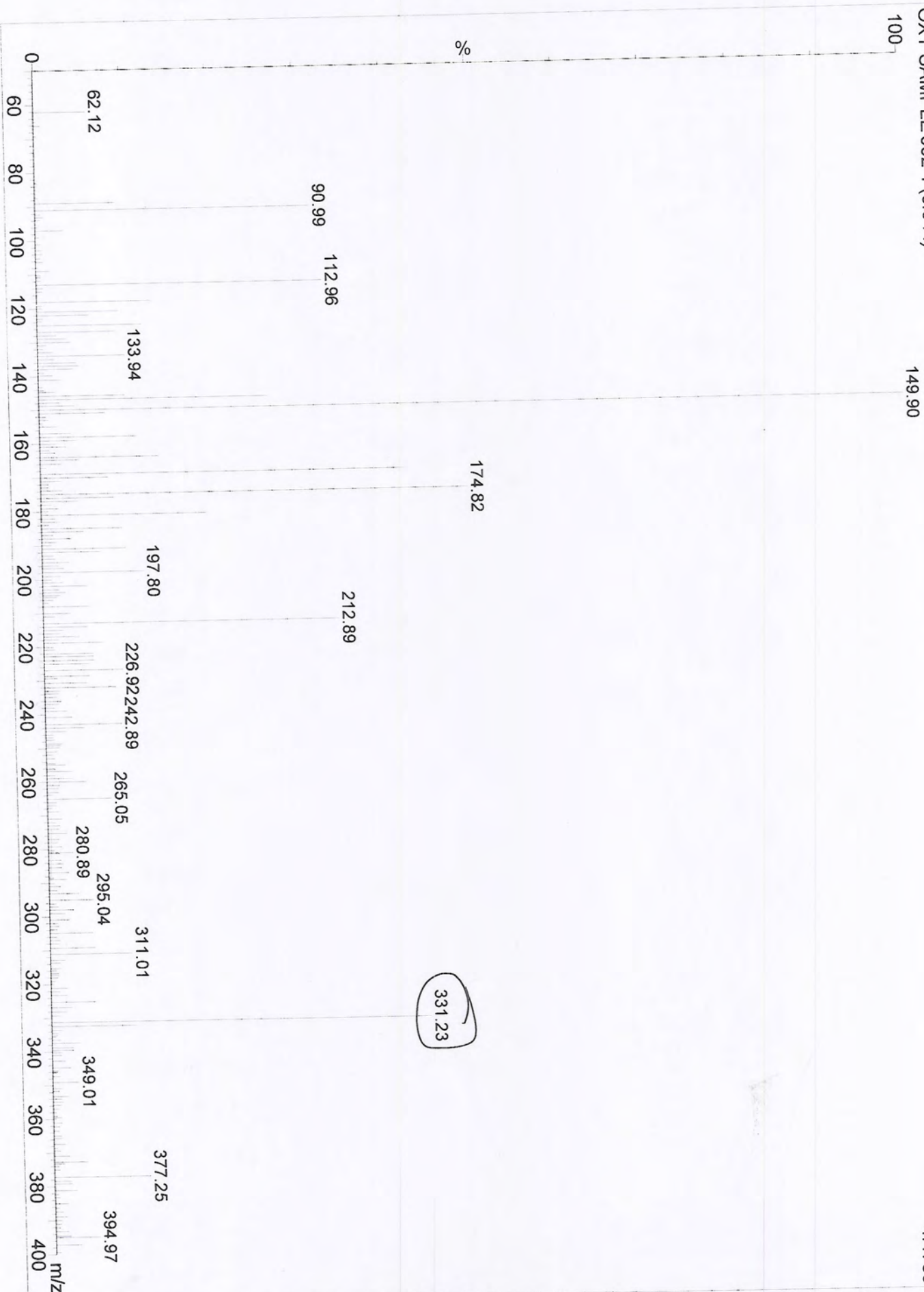
299.30



OXY Ele-

OXY SAMPLE 002 1 (0.044)

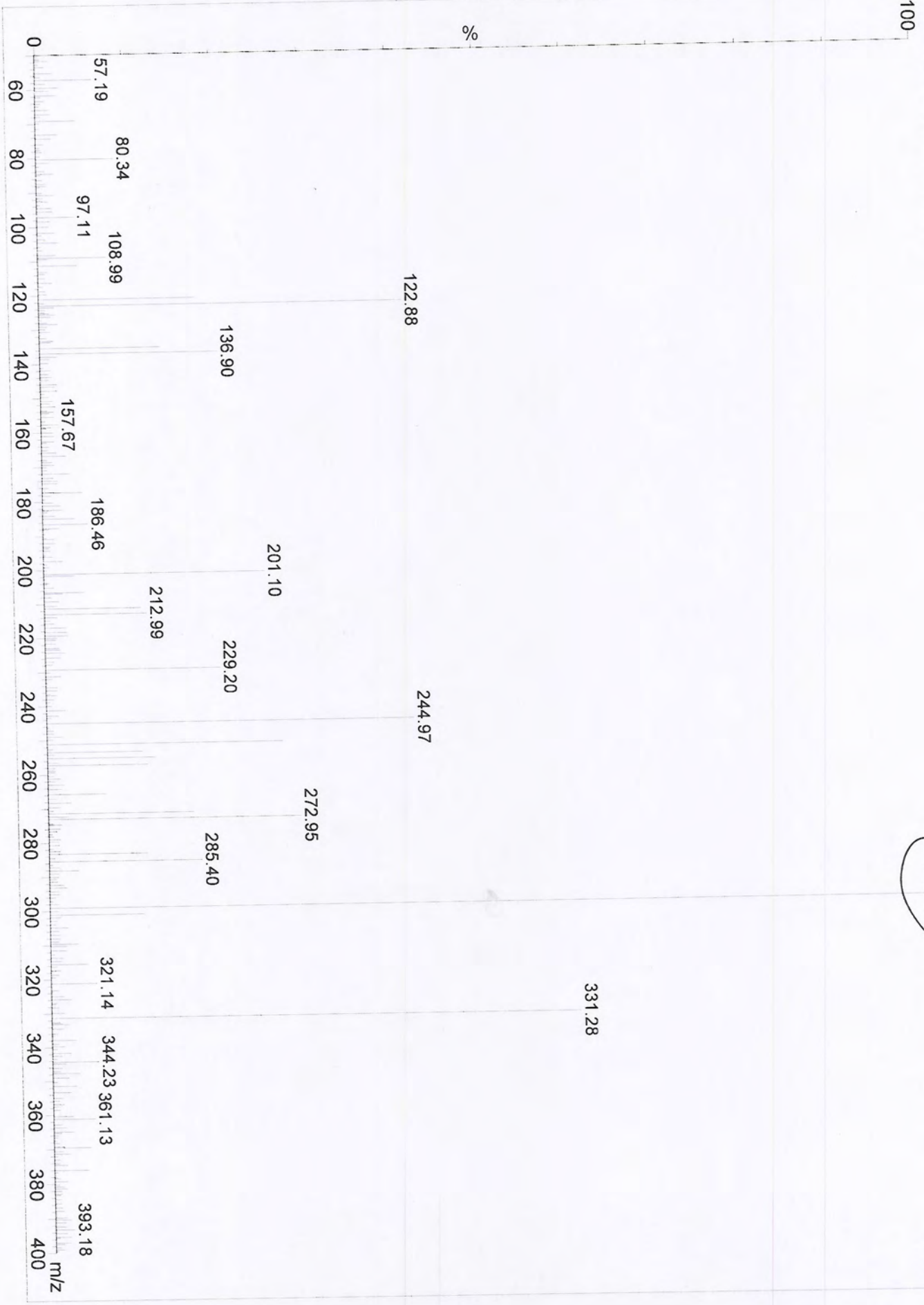
Scan ES-  
4.47e6



**OXY Ele- 50**  
OXY SAMPLE 007 1 (0.044)

299.05

Daughters of 331ES-  
1.02e4





**Quantify Compound Summary Report MassLynx 4.1**

Dataset: \_\_\_\_\_  
Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
By \_\_\_\_\_  
Reason processing data  
Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
By \_\_\_\_\_

Method: \_\_\_\_\_ 11 Oct 2014 14:00:05

Calibration: 11 Oct 2014 14:58:42

**Compound name: OXY**

Coefficient of Determination:  $R^2 = 0.998748$

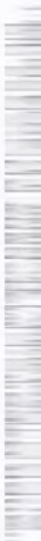
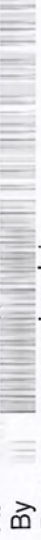
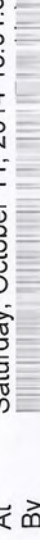
Calibration curve:  $-0.0612355 * x^2 + 1.20893 * x + 5.21658$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: Null, Axis trans: Ln

#	Sample Text	ID	Type	Area	Conc.	%Dev	Factor1	RT	Primary Flags	Response
1	OXY Std 5.00 ug/mL	W1	Standard	1123	5.10	2.03	1.0	3.39	bb	1123.254
2	OXY Std 10.0 ug/mL	W2	Standard	2087	9.66	-3.42	1.0	3.35	bb	2086.579
3	OXY Std 20.0 ug/mL	W3	Standard	3924	19.7	-1.63	1.0	3.35	bb	3923.791
4	OXY Std 50.0 ug/mL	W4	Standard	8608	53.7	7.38	1.0	3.34	bb	8608.405
5	OXY Std 100 ug/mL	W5	Standard	12829	96.1	-3.91	1.0	3.31	bb	12828.670
6	OXY SampOXY 20.0 ug/mL		Analyte	4068	20.5		1.0	3.33	bb	4067.669
7	OXY SampOXY 20.0 ug/mL		Analyte	4388	22.5		1.0	3.34	bb	4388.180
8	OXY SampOXY 20.0 ug/mL		Analyte	4081	20.6		1.0	3.34	bb	4080.879

Quantify Calibration Report MassLynx 4.1

Dataset:   
Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
By   
Reason processing data  
Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
By 

Method:   
Calibration: 11 Oct 2014 14:58:42 11 Oct 2014 14:00:05

Compound name: OXY  
Coefficient of Determination:  $R^2 = 0.998748$   
Calibration curve:  $-0.0612355 * x^2 + 1.20893 * x + 5.21658$   
Response type: External Std, Area  
Curve type: 2nd Order, Origin: Exclude, Weighting: Null, Axis trans: Ln



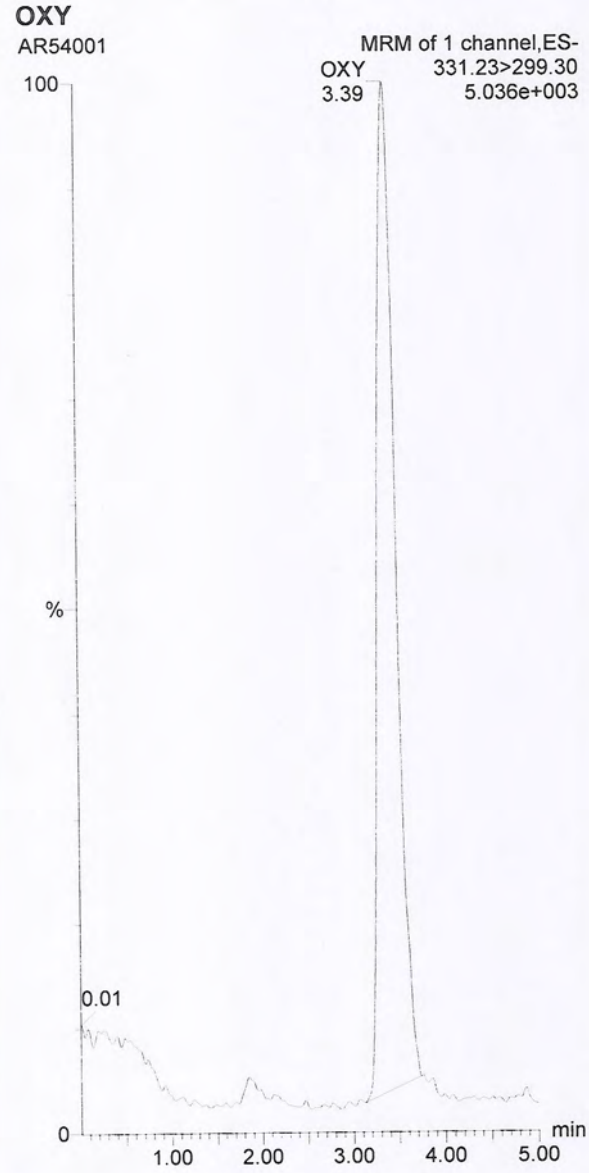


Quantify Compound Summary Report MassLynx 4.1

Dataset:   
Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
By   
Reason processing data  
Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
By

Method: 11 Oct 2014 14:00:05  
Calibration: 11 Oct 2014 14:58:42

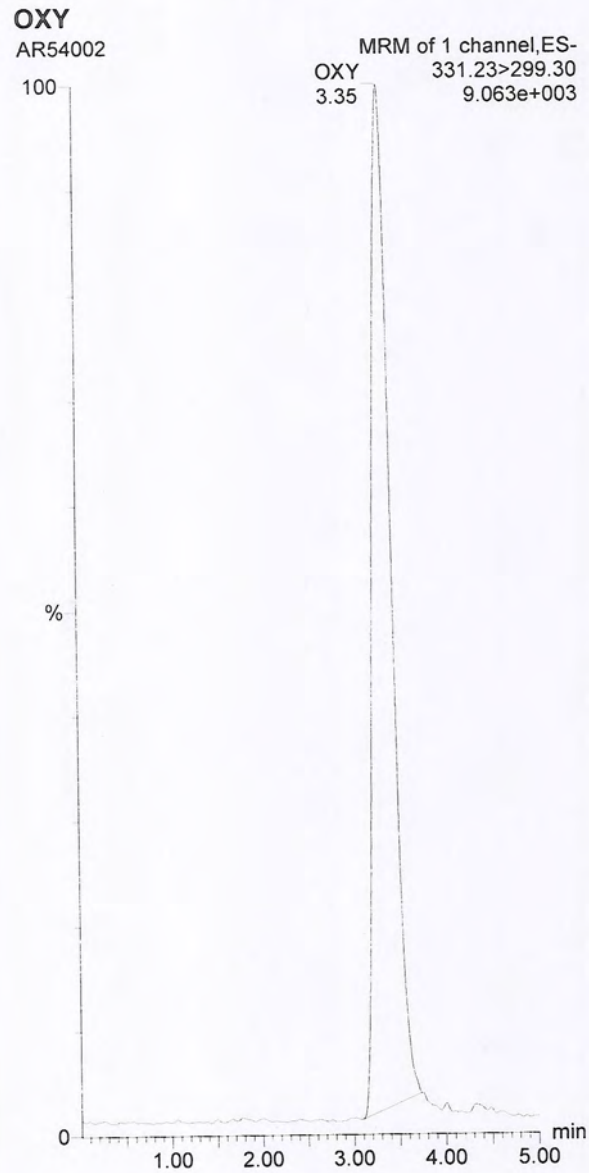
Name: AR54001, Date: 11-Oct-2014, Time: 14:04:17, ID: W1, Description: OXY Std 5.00 ug/mL



# Name	Area	Conc.	RT.	Primary Flags
1 OXY	1123	5.1	3.39	bb

Dataset:   
 Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
 By   
 Reason processing data  
 Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
 By

Name: AR54002, Date: 11-Oct-2014, Time: 14:11:00, ID: W2, Description: OXY Std 10.0 ug/mL



# Name	Area	Conc.	RT.	Primary Flags
1 OXY	2087	9.7	3.35	bb

Dataset:   
Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
By   
Reason processing data  
Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
By

Name: AR54003, Date: 11-Oct-2014, Time: 14:17:41, ID: W3, Description: OXY Std 20.0 ug/mL

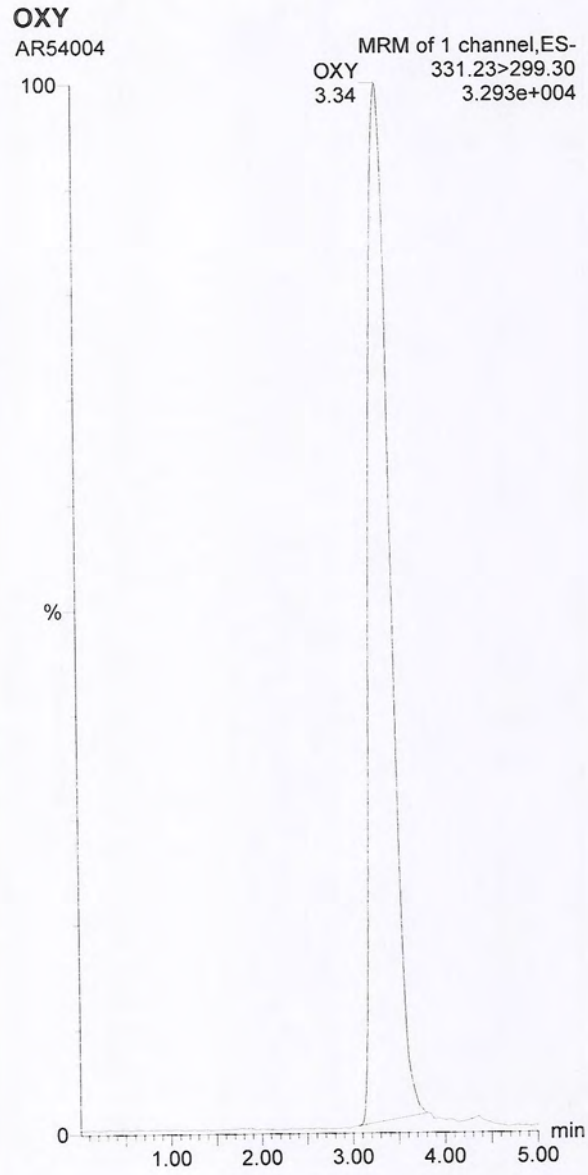


# Name	Area	Conc.	RT.	Primary Flags
1 OXY	3924	19.7	3.35	bb



Dataset:   
Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
By   
Reason processing data  
Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
By

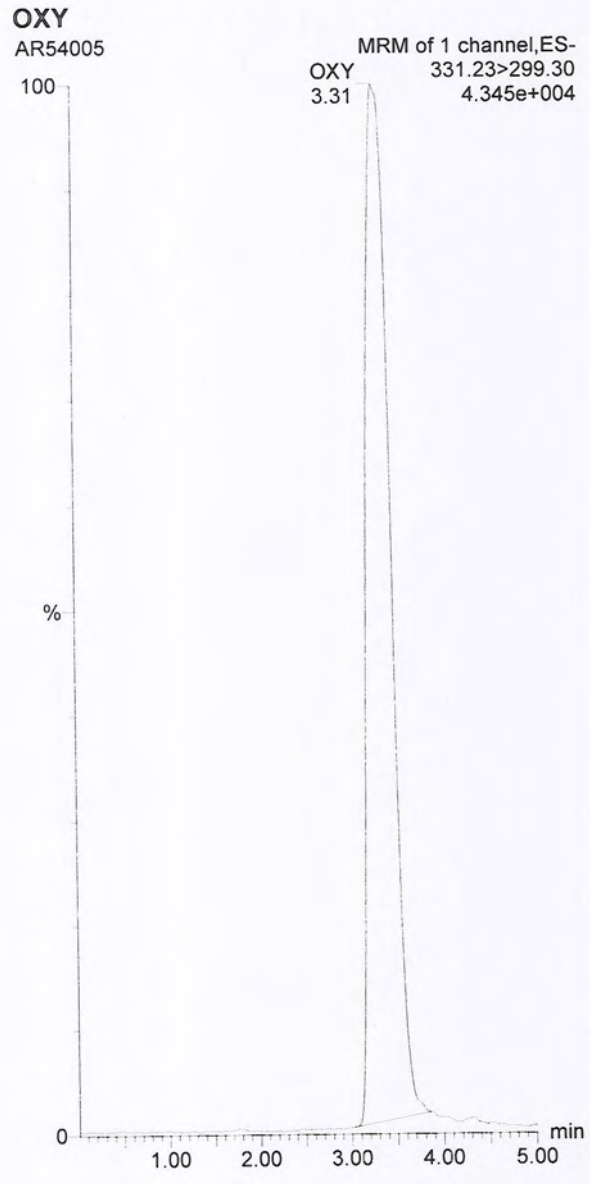
Name: AR54004, Date: 11-Oct-2014, Time: 14:24:23, ID: W4, Description: OXY Std 50.0 ug/mL



# Name	Area	Conc..	RT.	Primary Flags
1 OXY	8608	53.7	3.34	bb

Dataset:   
Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
By   
Reason processing data  
Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
By

Name: AR54005, Date: 11-Oct-2014, Time: 14:31:04, ID: W5, Description: OXY Std 100 ug/mL



#	Name	Area	Conc.	RT.	Primary Flags
1	OXY	12829	96.1	3.31	bb

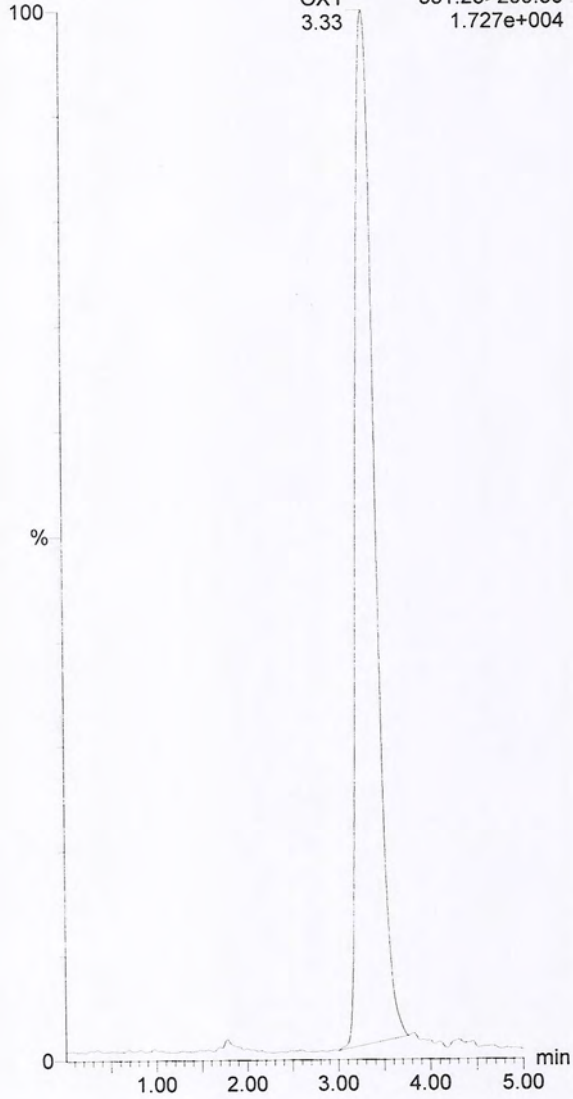
Dataset:   
 Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
 By   
 Reason processing data  
 Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
 By

Name: AR54006, Date: 11-Oct-2014, Time: 14:37:47, ID: , Description: OXY SampOXY 20.0 ug/mL

OXY

AR54006

MRM of 1 channel, ES-  
 OXY 331.23>299.30  
 3.33 1.727e+004



# Name	Area	Conc.	RT.	Primary Flags
1 OXY	4068	20.5	3.33	bb



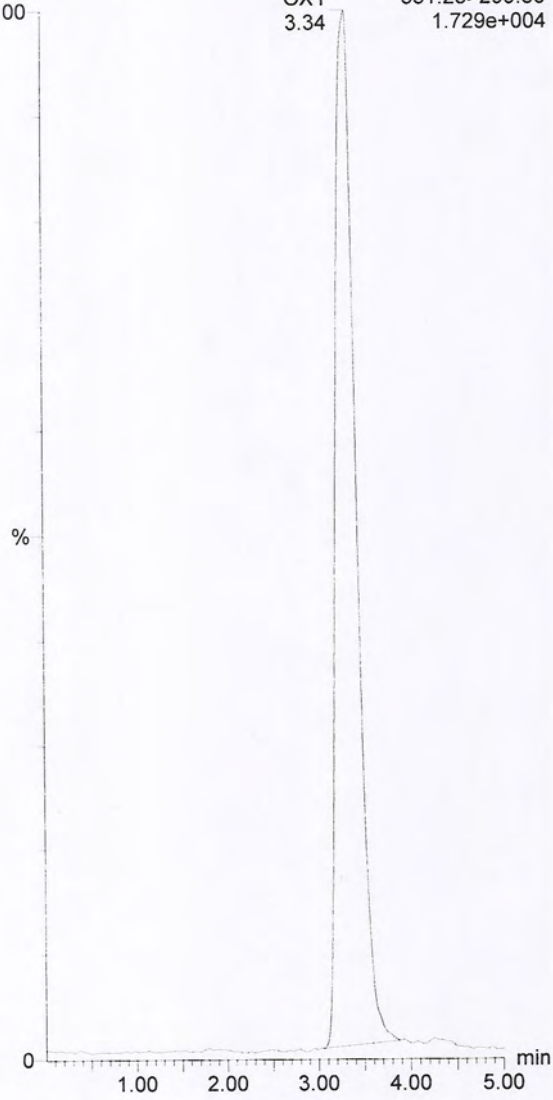
Dataset:   
Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
By   
Reason processing data  
Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
By

Name: AR54007, Date: 11-Oct-2014, Time: 14:44:28, ID: , Description: OXY SampOXY 20.0 ug/mL

OXY

AR54007

MRM of 1 channel, ES-  
OXY 331.23>299.30  
3.34 1.729e+004



#	Name	Area	Conc.	RT.	Primary Flags
1	OXY	4388	22.5	3.34	bb

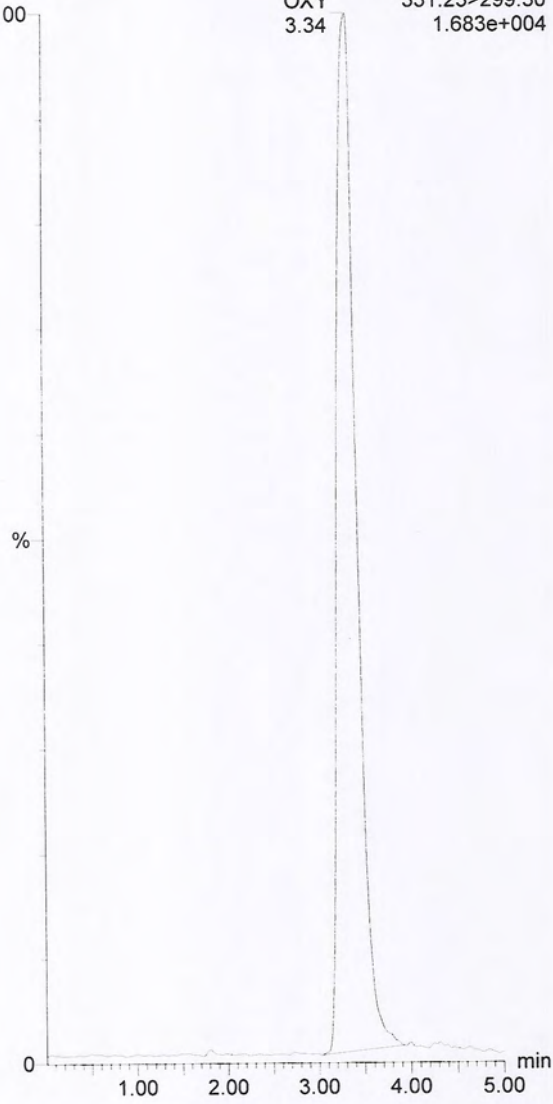
Dataset:   
Signature: At Saturday, October 11, 2014 14:59:02 China Standard Time  
By   
Reason processing data  
Printed: At Saturday, October 11, 2014 15:01:50 China Standard Time  
By

Name: AR54008, Date: 11-Oct-2014, Time: 14:51:11, ID: , Description: OXY SampOXY 20.0 ug/mL

OXY

AR54008

MRM of 1 channel, ES-  
OXY 331.23>299.30  
3.34 1.683e+004



# Name	Area	Conc.	RT.	Primary Flags
1 OXY	4081	20.6	3.34	bb

AR53 Oxymetholone

HPLC Condition

Solvent A: 0.1% Formic Acid in Water

Solvent B: 0.1% Formic Acid in Acetonitrile

Mobile Phase: Solvent A:Solvent B (2:98 v/v)

Flow Rate (mL/min): 0.3

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	20.5	21.2	20.0	106.0
S1-2	22.6			
S1-3	20.5			