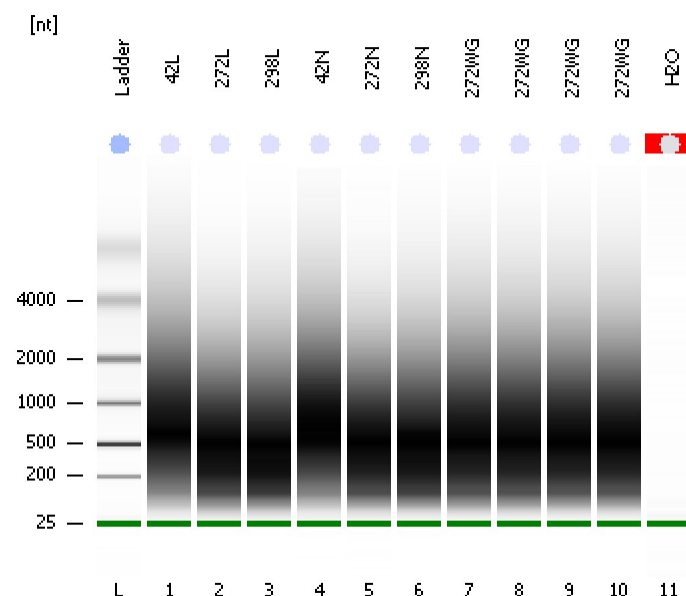


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE72902486
Serial#: DE72902486

Firmware: C.01.069
Type: G2939A

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico

Version: 2.6

Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

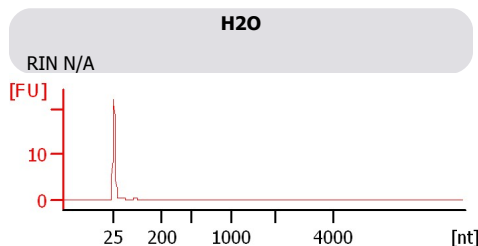
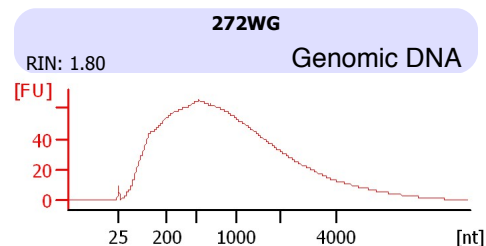
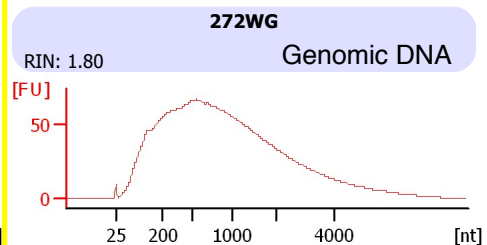
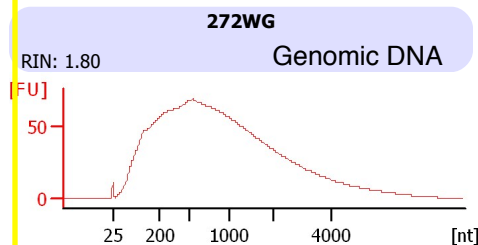
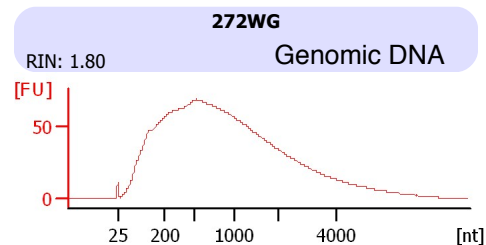
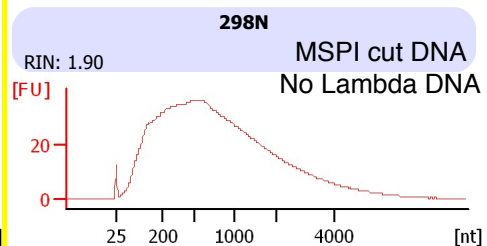
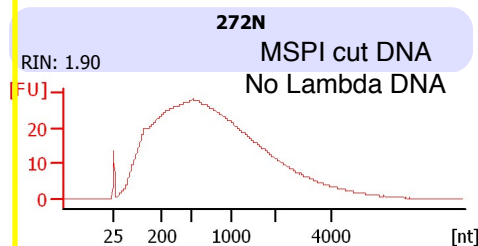
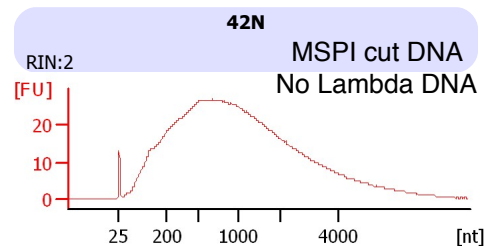
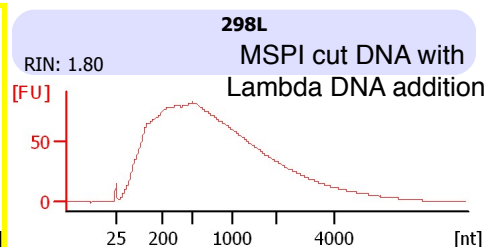
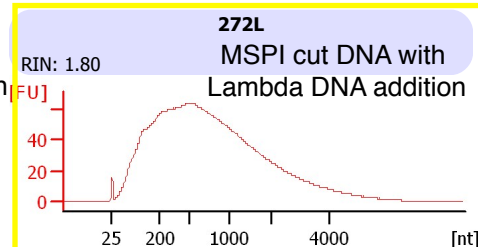
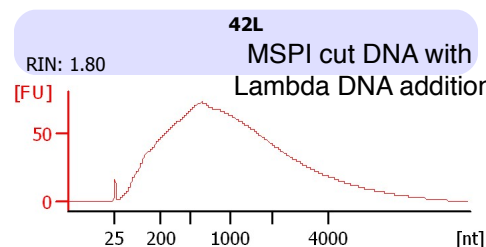
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
42L		✓ RIN: 1.80	
272L		✓ RIN: 1.80	
298L		✓ RIN: 1.80	
42N		✓ RIN:2	
272N		✓ RIN: 1.90	
298N		✓ RIN: 1.90	
272WG		✓ RIN: 1.80	
272WG		✓ RIN: 1.80	
272WG		✓ RIN: 1.80	
272WG		✓ RIN: 1.80	
H2O		✓ RIN N/A	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...\Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12

Minimum Visible Range [s] : 17

Maximum Visible Range [s] : 70

Start Analysis Time Range [s] : 18

End Analysis Time Range [s] : 69

Ladder Concentration [pg/ μ l] : 1000

Lower Marker Concentration [pg/ μ l] : 0

Upper Marker Concentration [pg/ μ l] : 0

Used Lower Marker for Quantitation

Standard Curve Fit is Logarithmic

Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18

Integration End Time [s] : 69

Slope Threshold : 0.6

Height Threshold [FU] : 0.5

Area Threshold : 0.2

Width Threshold [s] : 0.3

Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5

Polynomial Order : 4

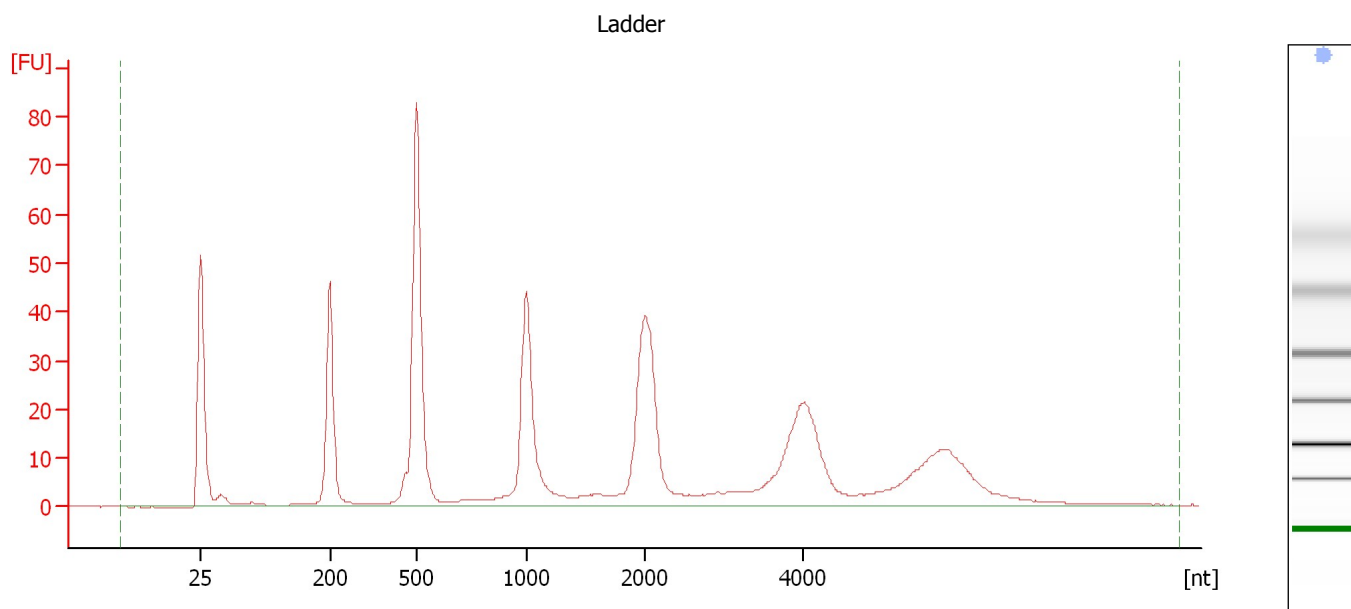
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 572.9

Result Flagging Color:



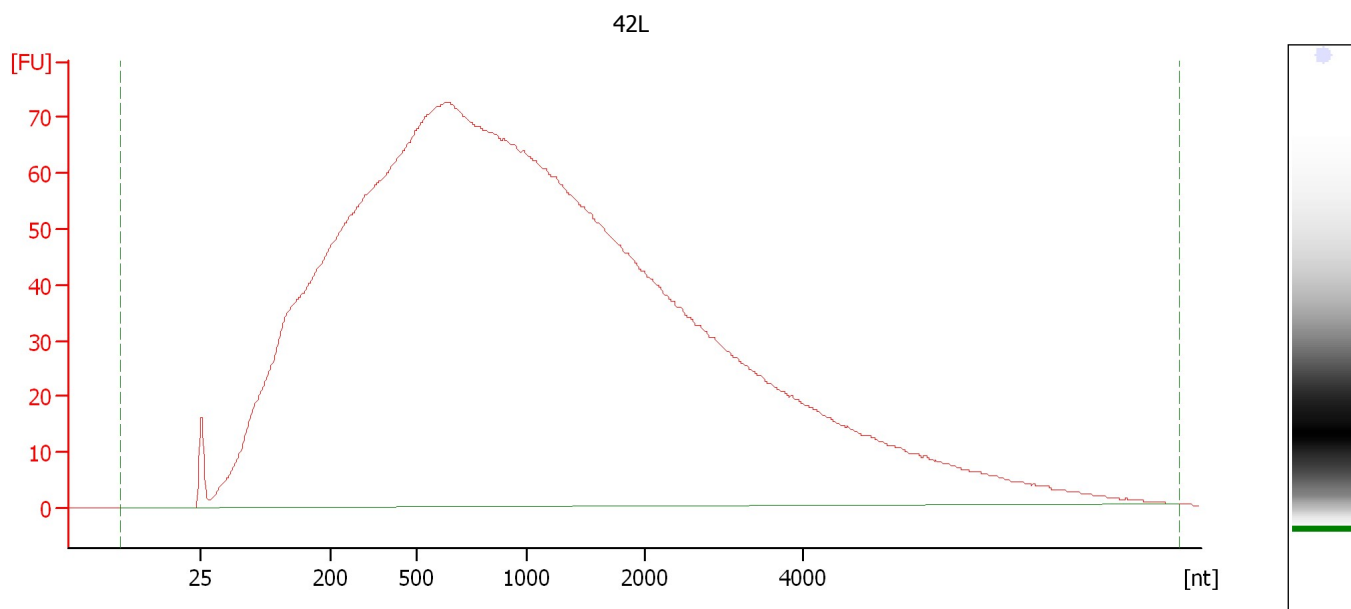
RNA Concentration: 1,000 pg/μl

Result Flagging Label:

All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

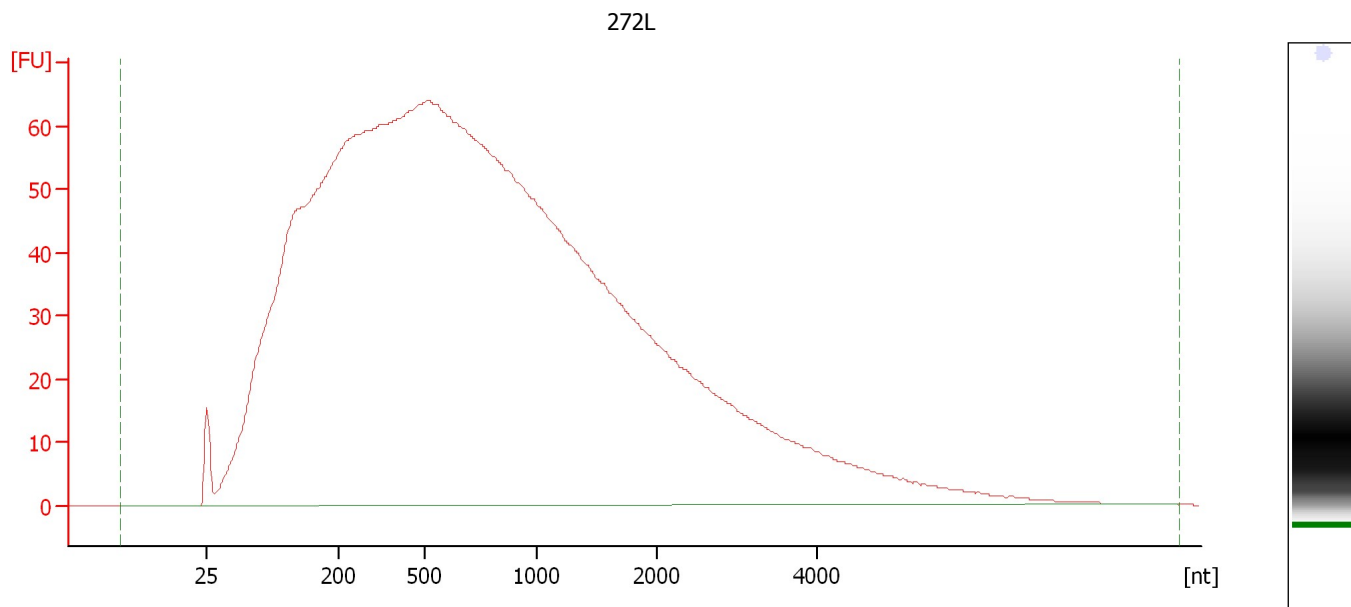
Electropherogram Summary Continued ...**Overall Results for sample 1 : 42L**

RNA Area: 3,592.8
RNA Concentration: 6,271 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.8 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

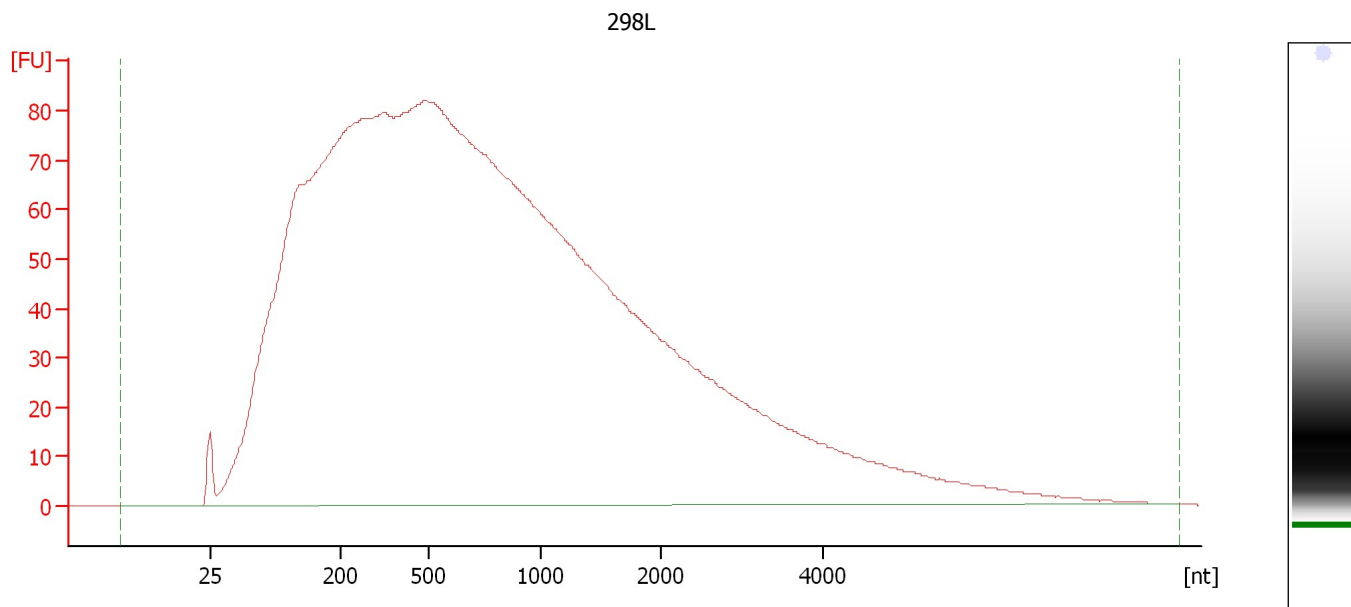
Electropherogram Summary Continued ...**Overall Results for sample 2 : 272L**

RNA Area: 3,063.2
RNA Concentration: 5,347 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.8 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

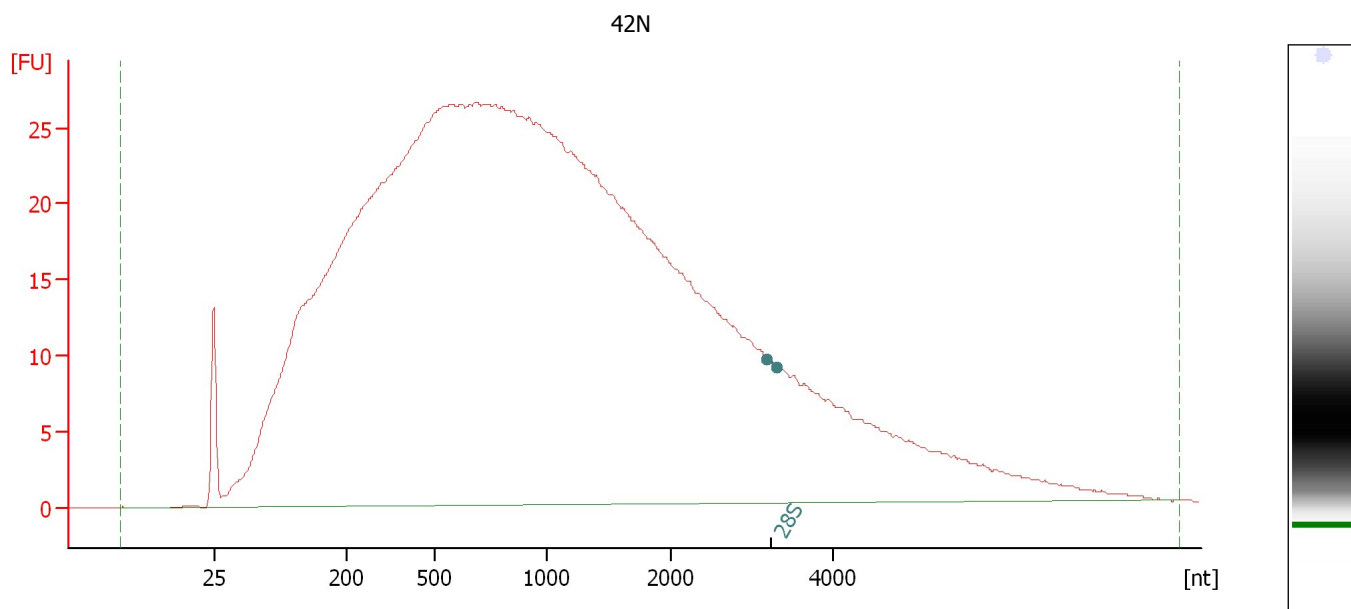
Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary Continued ...**Overall Results for sample 3 : 298L**

RNA Area:	4,014.3	RNA Integrity Number (RIN):	1.8 (B.02.07)
RNA Concentration:	7,007 pg/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : 42N**

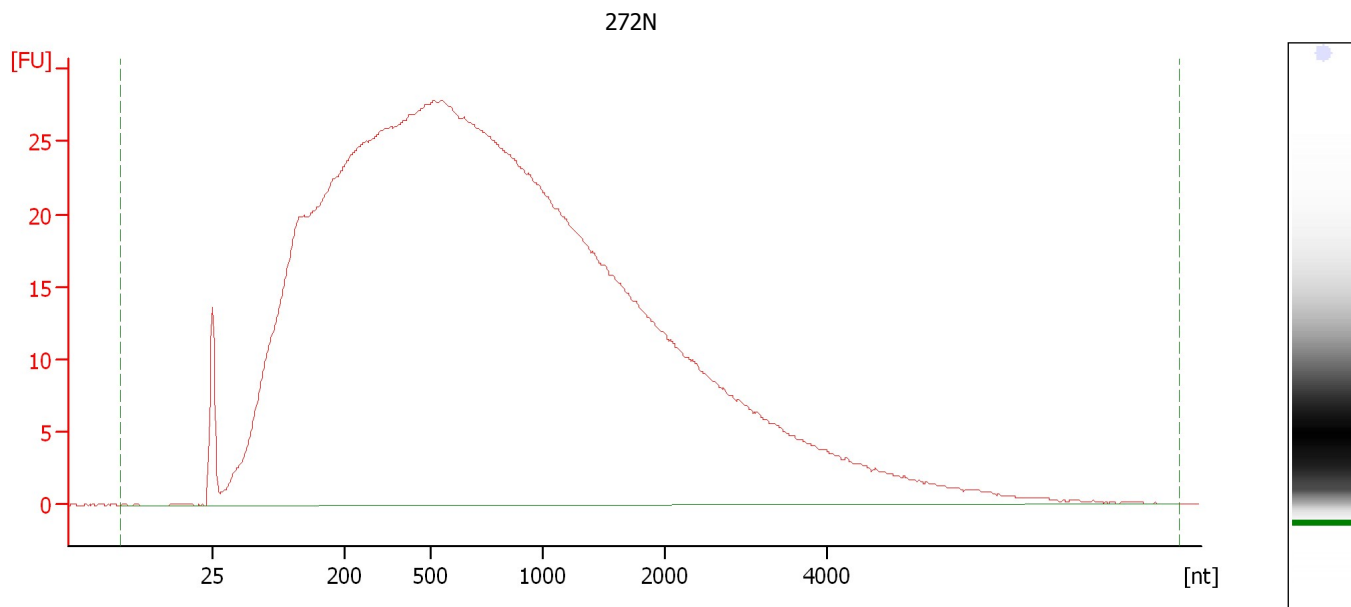
RNA Area:	1,352.6	RNA Integrity Number (RIN):	2 (B.02.07)
RNA Concentration:	2,361 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Fragment table for sample 4 : 42N

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	3,189	3,320	0.2	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

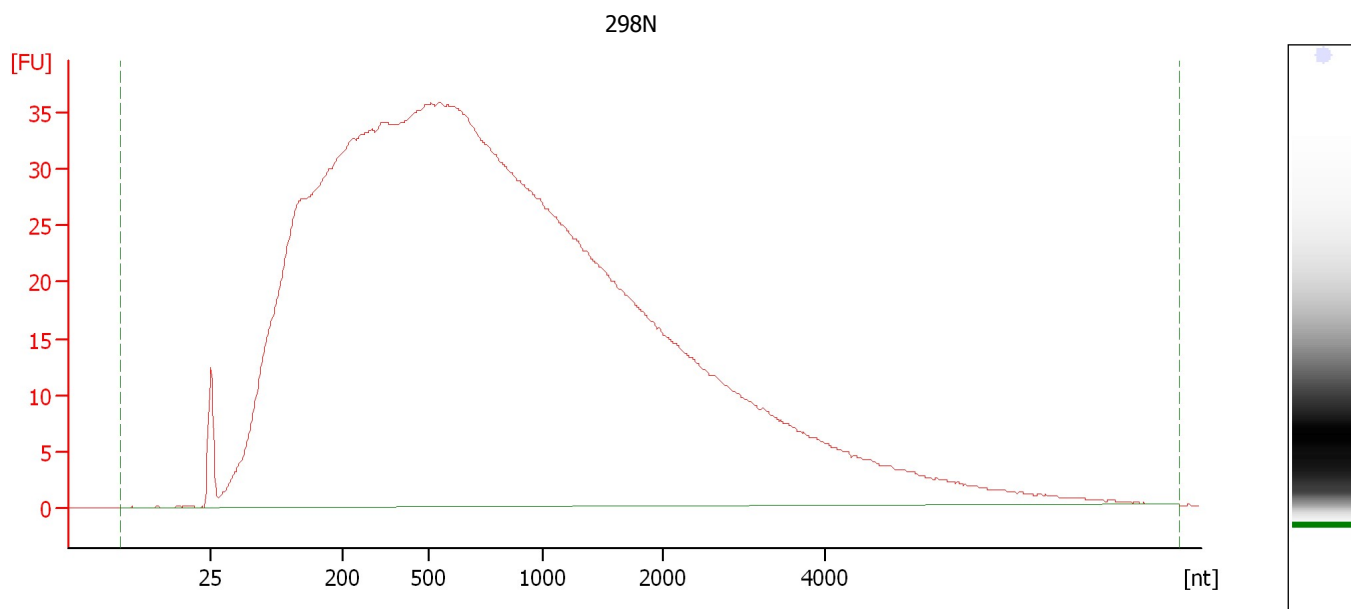
Electropherogram Summary Continued ...**Overall Results for sample 5 : 272N**

RNA Area: 1,329.0
RNA Concentration: 2,320 pg/μl
rRNA Ratio [28s / 18s]: 0.0

RNA Integrity Number (RIN): 1.9 (B.02.07)
Result Flagging Color:
Result Flagging Label: RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

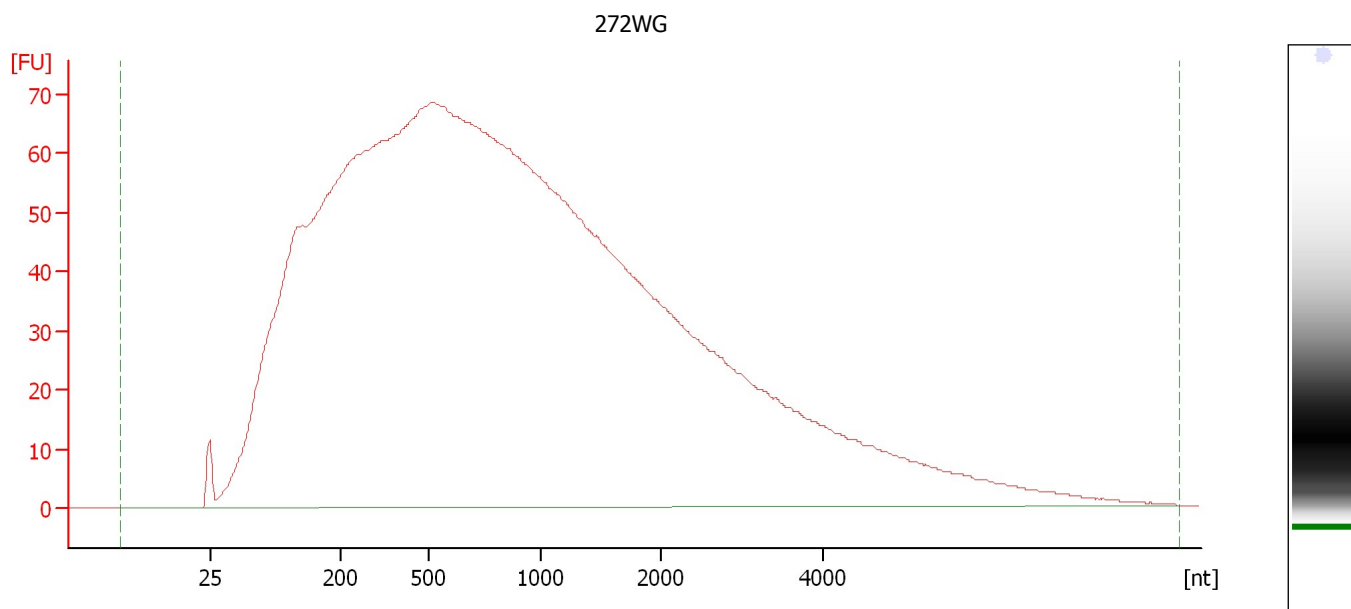
Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary Continued ...**Overall Results for sample 6 : 298N**

RNA Area:	1,754.9	RNA Integrity Number (RIN):	1.9 (B.02.07)
RNA Concentration:	3,063 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; border: 1px solid black; width: 30px; height: 15px;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.90

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

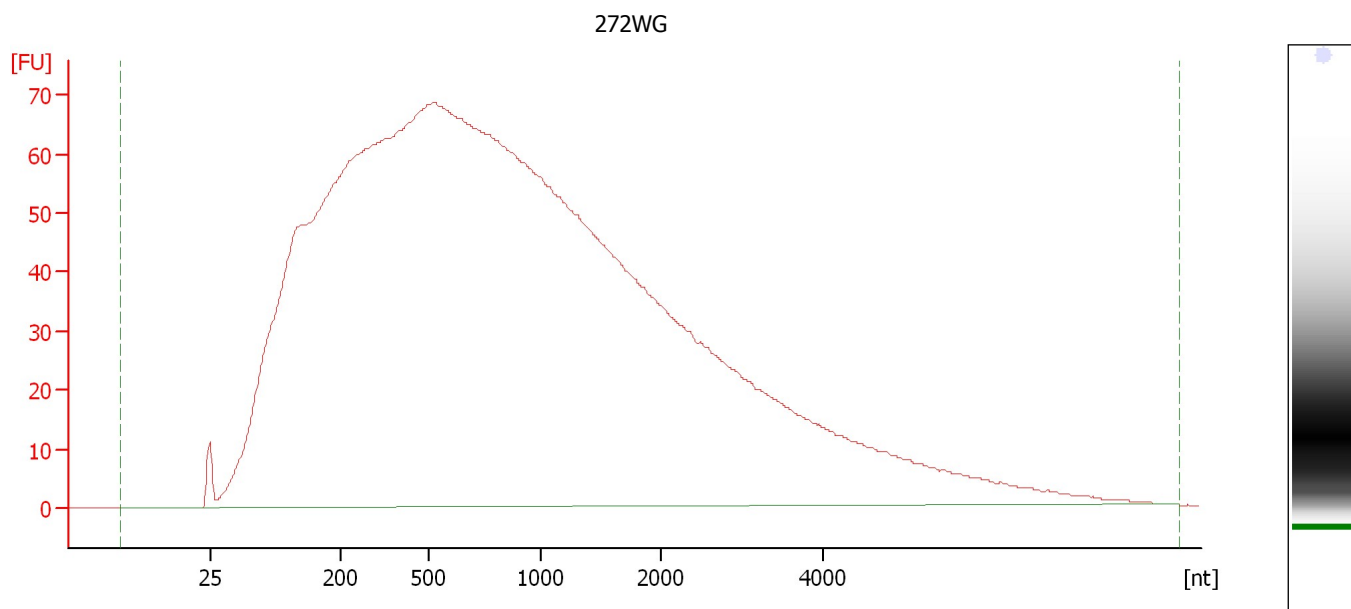
Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary Continued ...**Overall Results for sample 7 : 272WG**

RNA Area:	3,477.8	RNA Integrity Number (RIN):	1.8 (B.02.07)
RNA Concentration:	6,070 pg/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

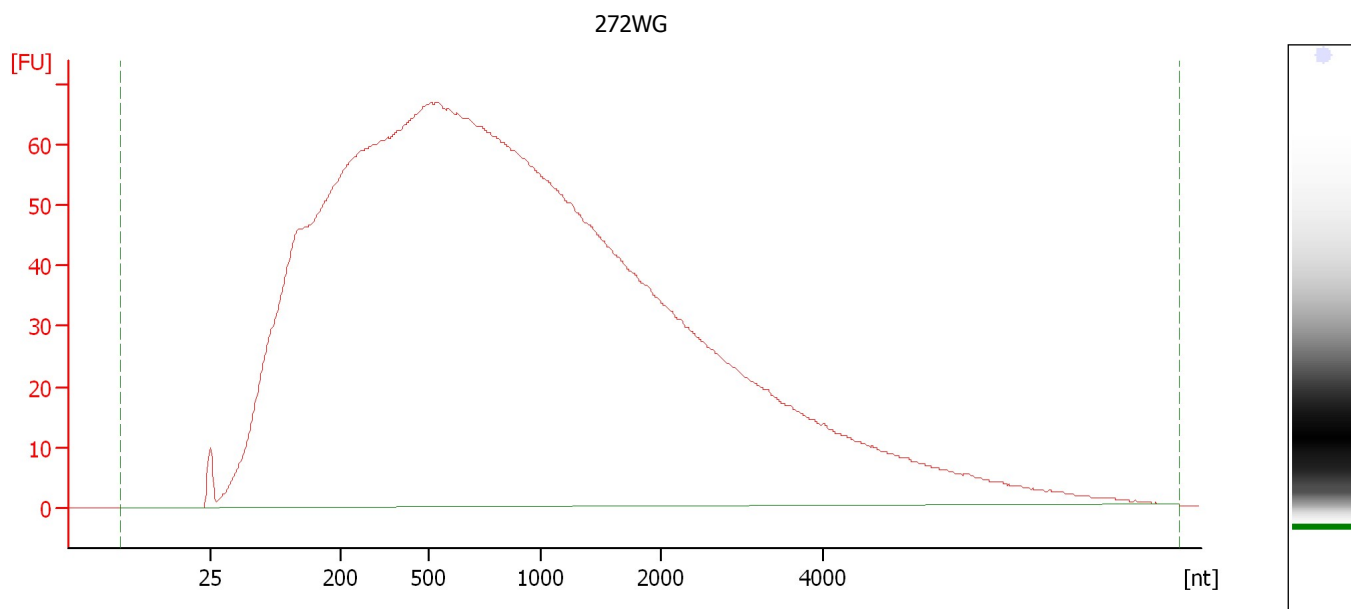
Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : 272WG**

RNA Area:	3,472.3	RNA Integrity Number (RIN):	1.8 (B.02.07)
RNA Concentration:	6,060 pg/ μ l	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

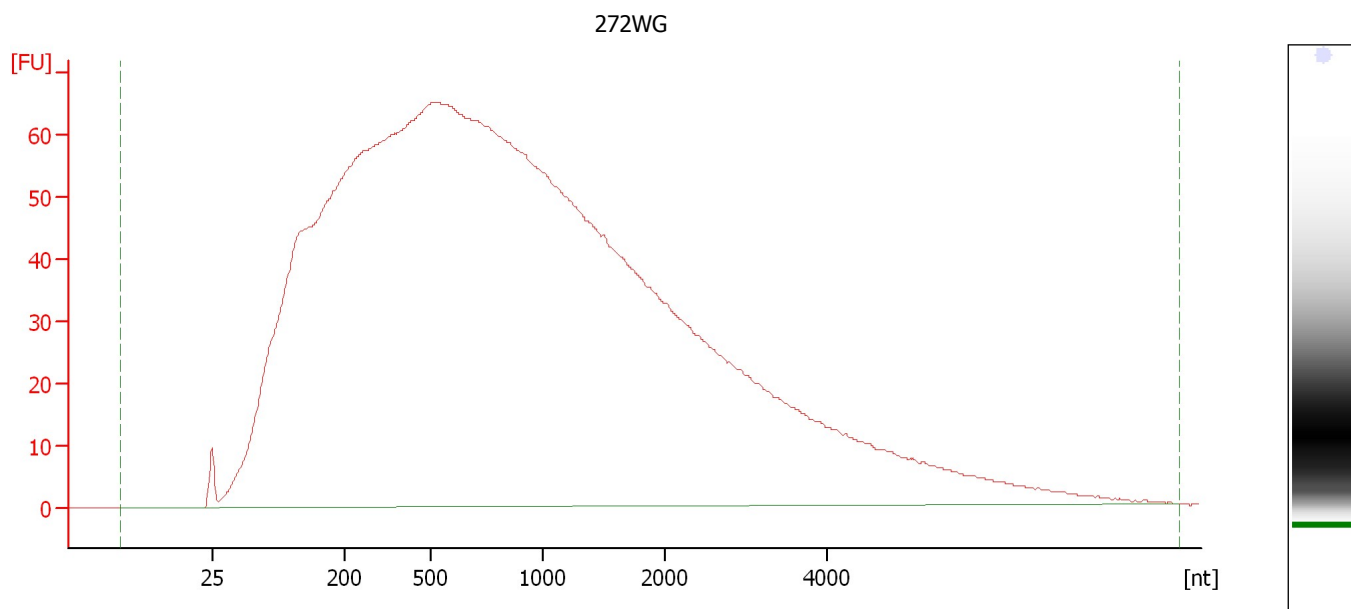
Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary Continued ...**Overall Results for sample 9 : 272WG**

RNA Area:	3,393.3	RNA Integrity Number (RIN):	1.8 (B.02.07)
RNA Concentration:	5,923 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 20px; height: 10px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

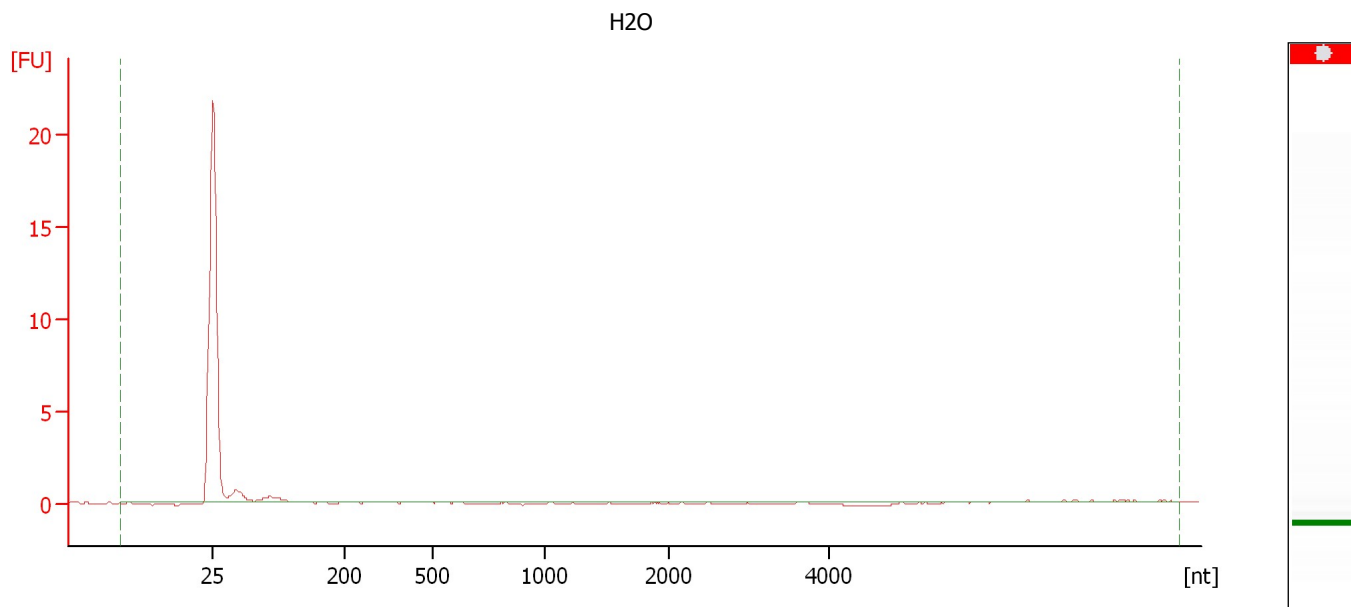
Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary Continued ...**Overall Results for sample 10 : 272WG**

RNA Area:	3,288.6	RNA Integrity Number (RIN):	1.8 (B.02.07)
RNA Concentration:	5,740 pg/μl	Result Flagging Color:	<div style="background-color: #ccccff; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.80

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

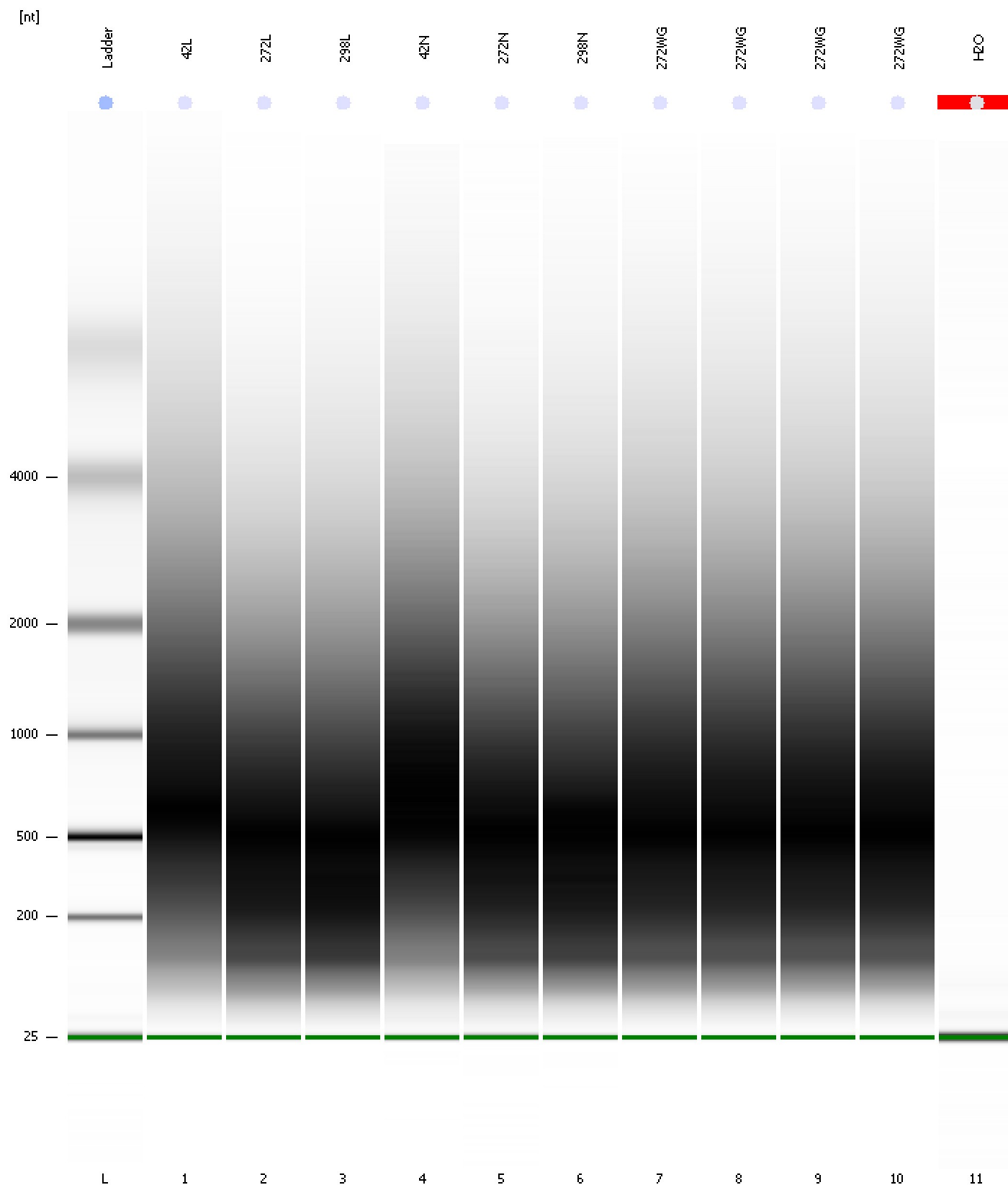
Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Electropherogram Summary Continued ...**Overall Results for sample 11 : H2O**

RNA Area:	3.9	RNA Integrity Number (RIN):	N/A (B.02.07)
RNA Concentration:	7 pg/ μ l	Result Flagging Color:	<div style="background-color: #cccccc; width: 30px; height: 15px; display: inline-block;"></div>
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

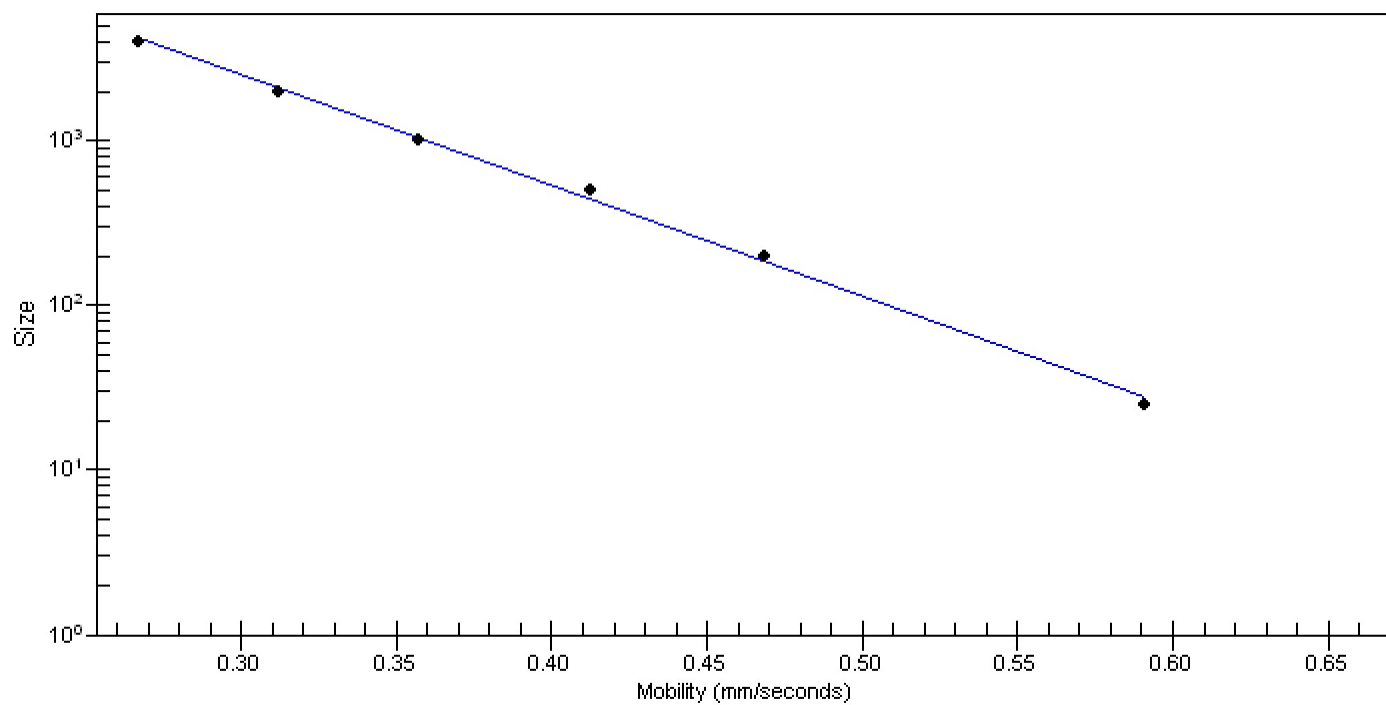
Gel Image

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
Modified: 11/30/2016 3:14:00 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad

Created: 11/30/2016 2:51:01 PM
 Modified: 11/30/2016 3:14:00 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		11/30/2016 3:13:55 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2016-11-30\2100 expert_Eukaryote Total RNA Pico_DE72902486_2016-11-30_14-51-01.xad)		Instrument	Run		11/30/2016 2:51:07 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Product Number : G2939A		Instrument	Run		11/30/2016 2:51:07 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		11/30/2016 2:51:07 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		11/30/2016 2:51:07 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Serial# : DE72902486		Instrument	Run		11/30/2016 2:51:07 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		11/30/2016 2:51:07 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01
Cartridge : Electrode		Instrument	Run		11/30/2016 2:51:07 PM	(GMT --08:00) Pacific Standard Time	Administrator	DATASYSTEM01