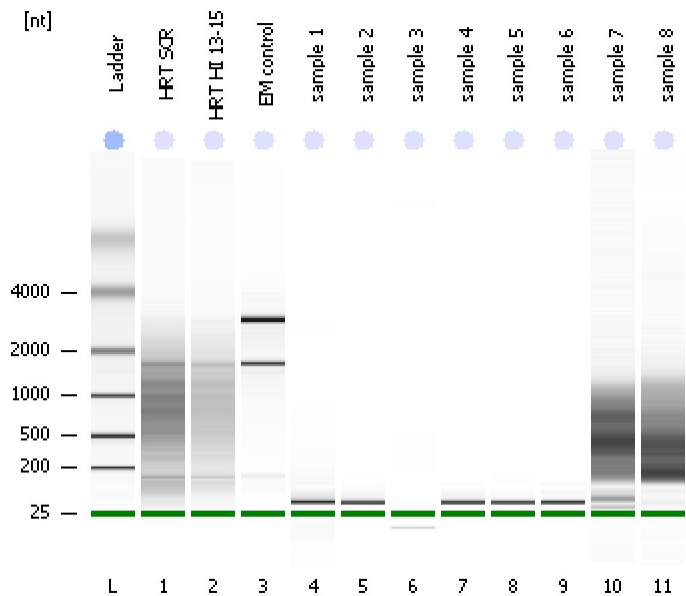


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
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Electrophoresis File Run Summary



Instrument Information:

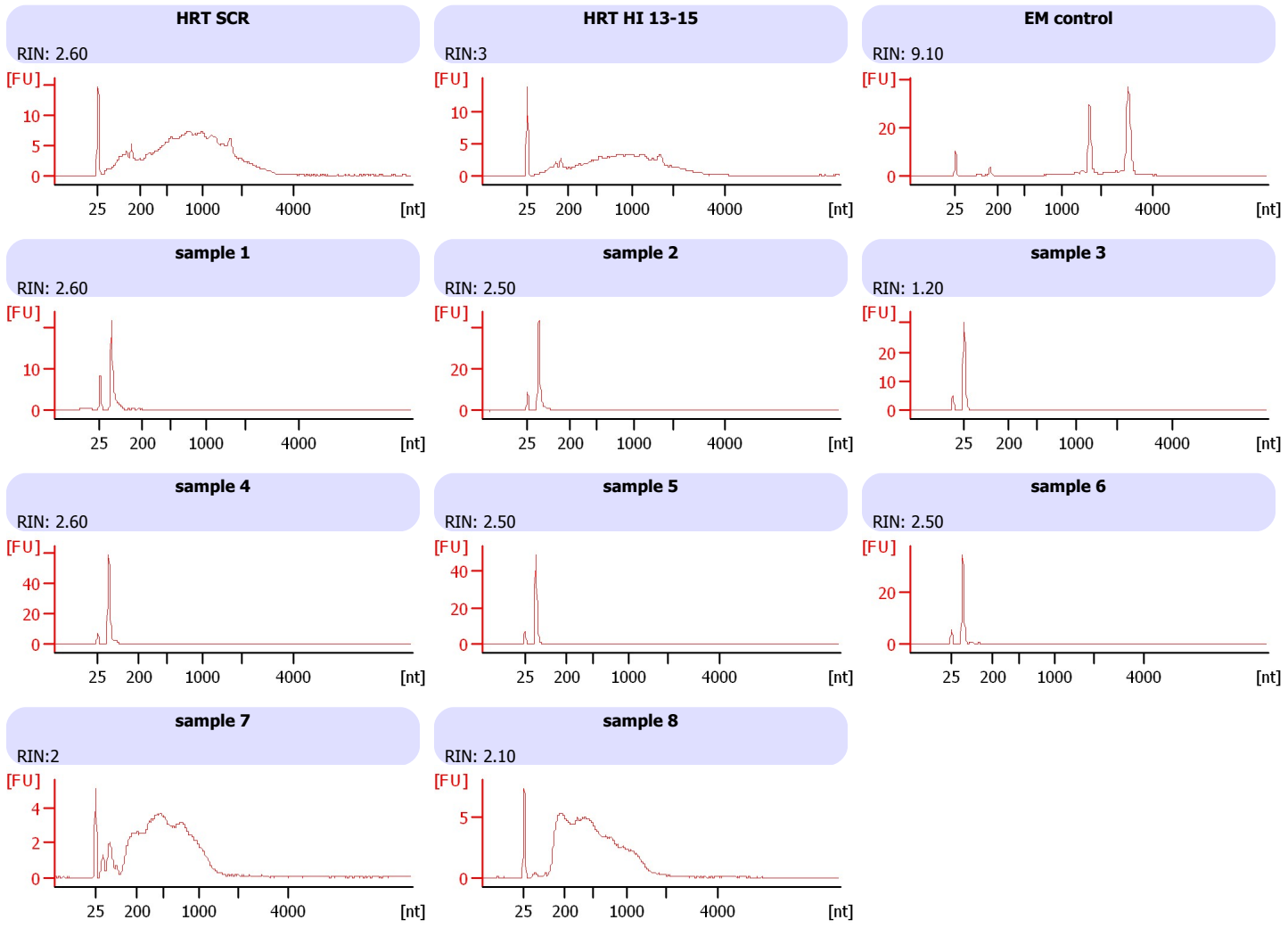
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
HRT SCR		✓	RIN: 2.60	
HRT HI 13-15		✓	RIN:3	
EM control		✓	RIN: 9.10	
sample 1		✓	RIN: 2.60	
sample 2		✓	RIN: 2.50	
sample 3		✓	RIN: 1.20	
sample 4		✓	RIN: 2.60	
sample 5		✓	RIN: 2.50	
sample 6		✓	RIN: 2.50	
sample 7		✓	RIN:2	
sample 8		✓	RIN: 2.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
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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

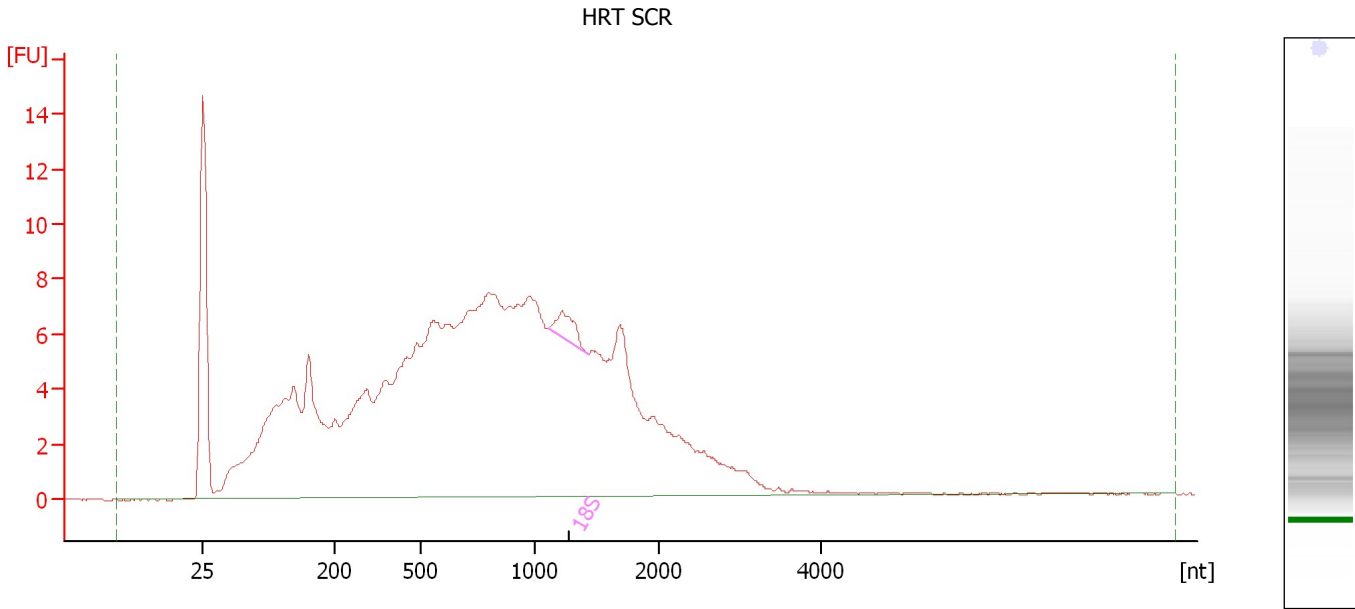
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

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Electropherogram Summary



Overall Results for sample 1 : HRT SCR

RNA Area:	286.6	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	1,558 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Fragment table for sample 1 : HRT SCR

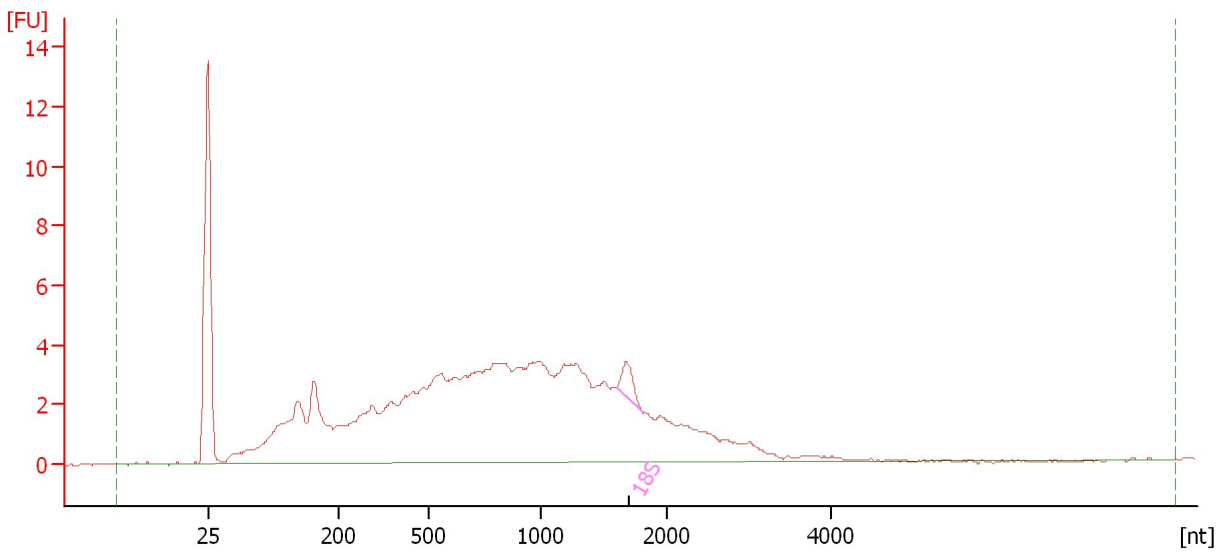
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,125	1,432	2.5	0.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
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Electropherogram Summary Continued ...

HRT HI 13-15



Overall Results for sample 2 : HRT HI 13-15

RNA Area: 136.8 RNA Integrity Number (RIN): 3 (B.02.08)
RNA Concentration: 743 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.0 Result Flagging Label: RIN:3

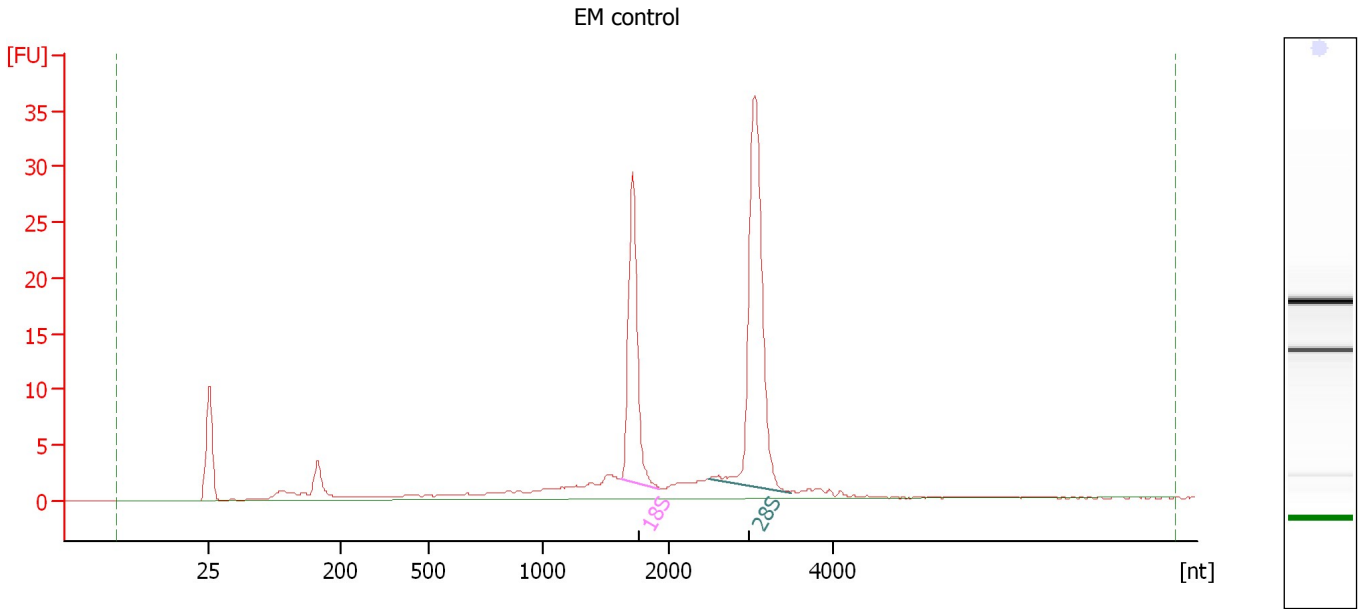
Fragment table for sample 2 : HRT HI 13-15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,592	1,804	1.7	1.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : EM control

RNA Area: 142.3 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 773 µg/µl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.10

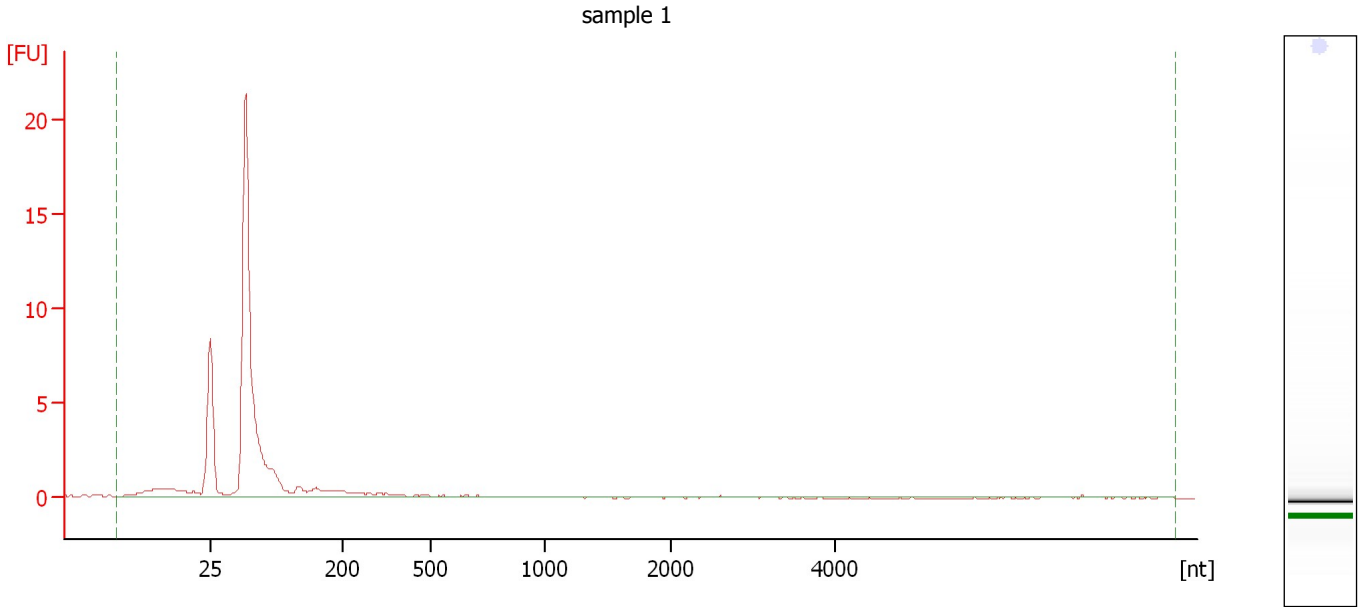
Fragment table for sample 3 : EM control

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,611	1,923	30.2	21.2
28S	2,482	3,474	50.5	35.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
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Electropherogram Summary Continued ...



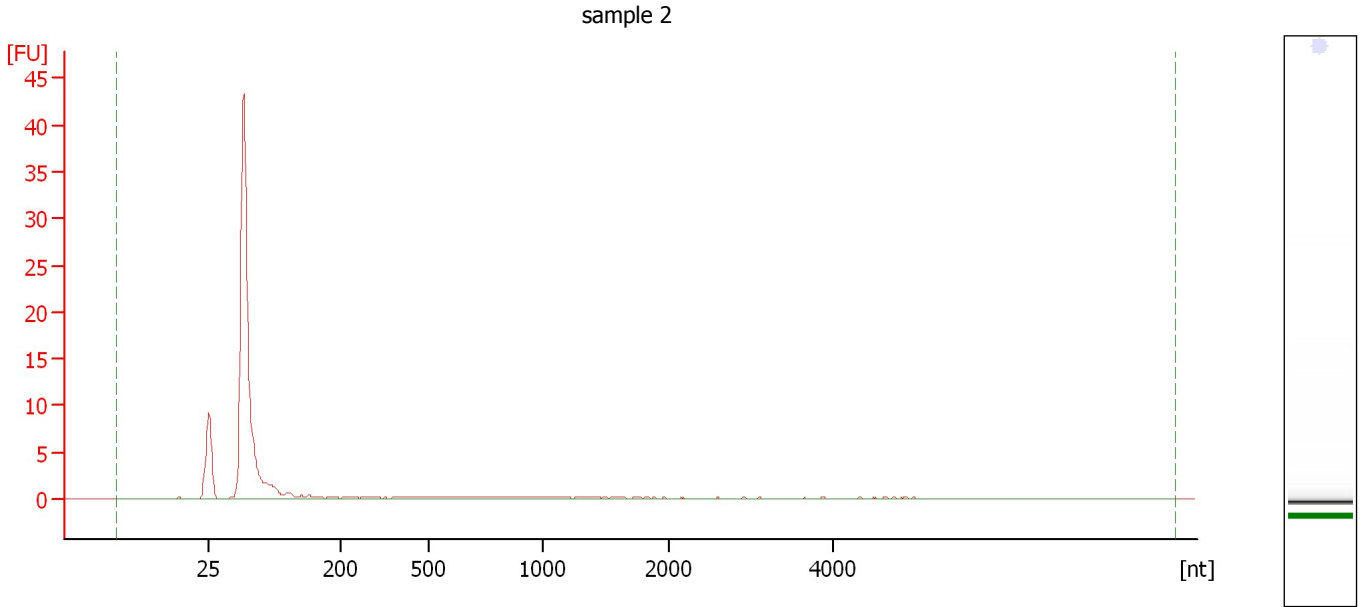
Overall Results for sample 4 : sample 1

RNA Area:	52.3	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	284 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Electropherogram Summary Continued ...



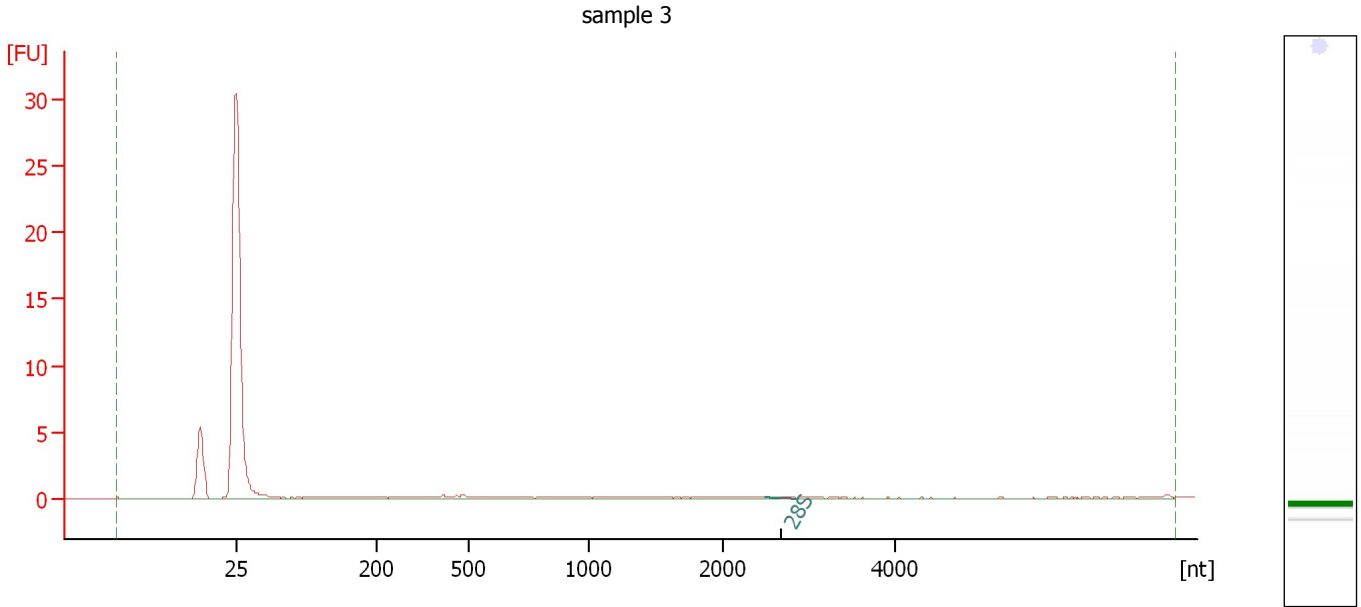
Overall Results for sample 5 : sample 2

RNA Area:	87.1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	473 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : sample 3

RNA Area:	14.4	RNA Integrity Number (RIN):	1.2 (B.02.08)
RNA Concentration:	78 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

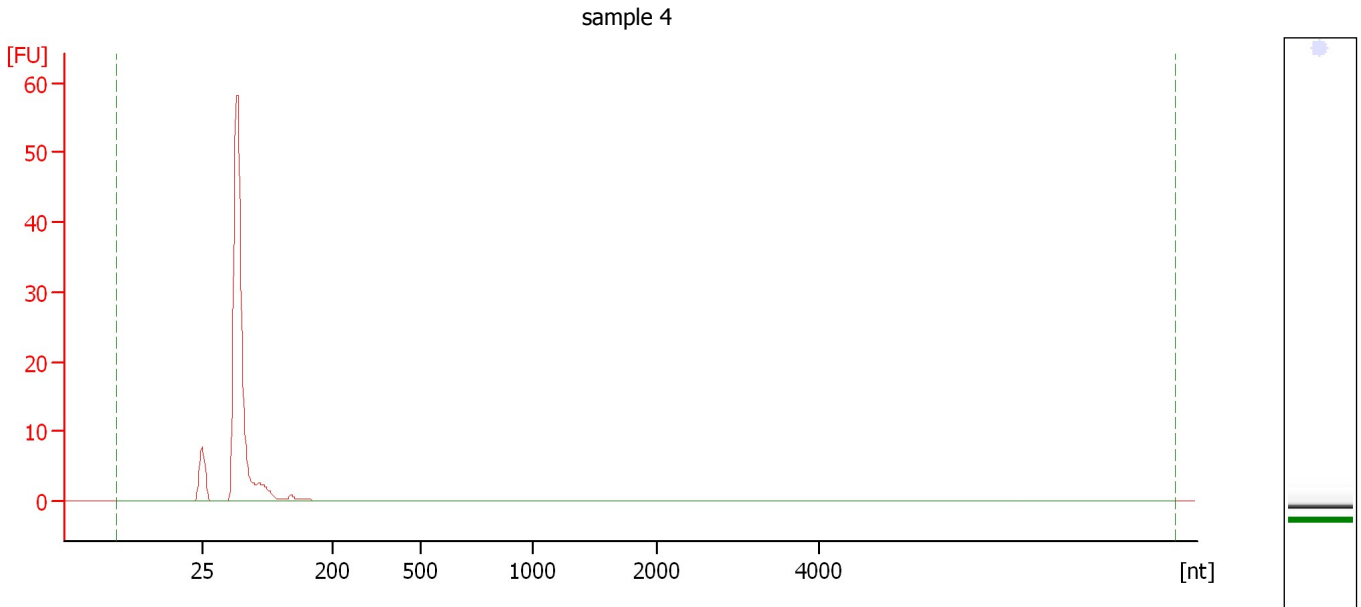
Fragment table for sample 6 : sample 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
28S	2,500	2,858	0.1	0.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Electropherogram Summary Continued ...



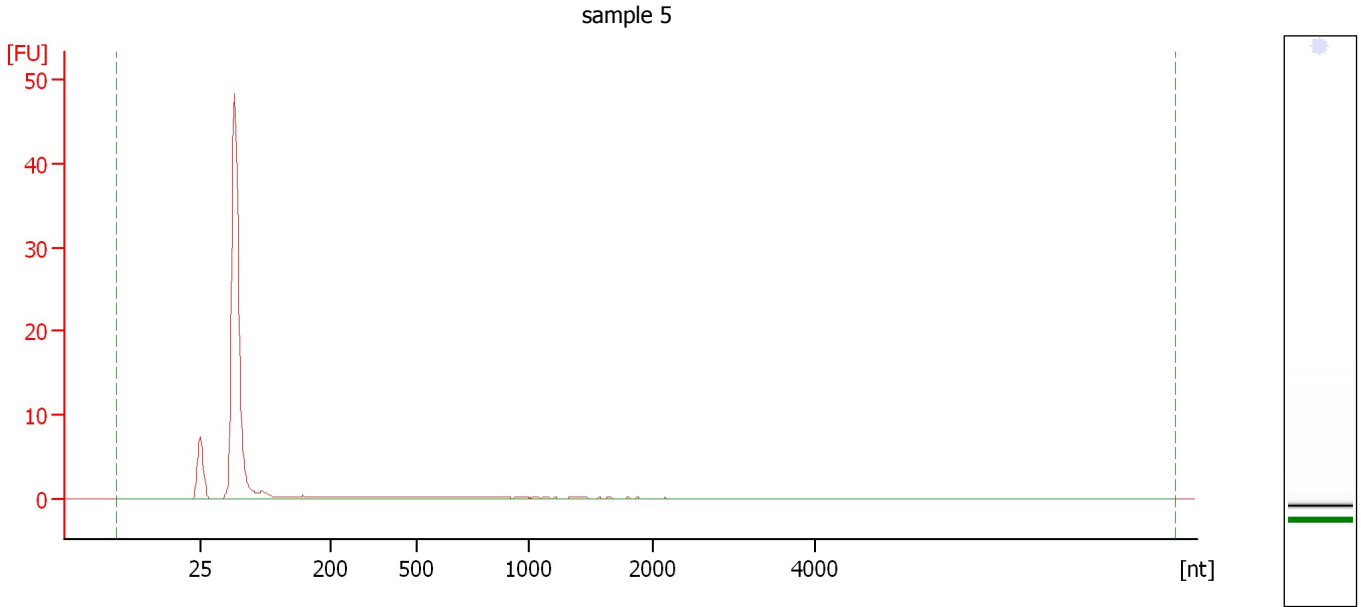
Overall Results for sample 7 : sample 4

RNA Area:	106.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	581 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.60

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Electropherogram Summary Continued ...



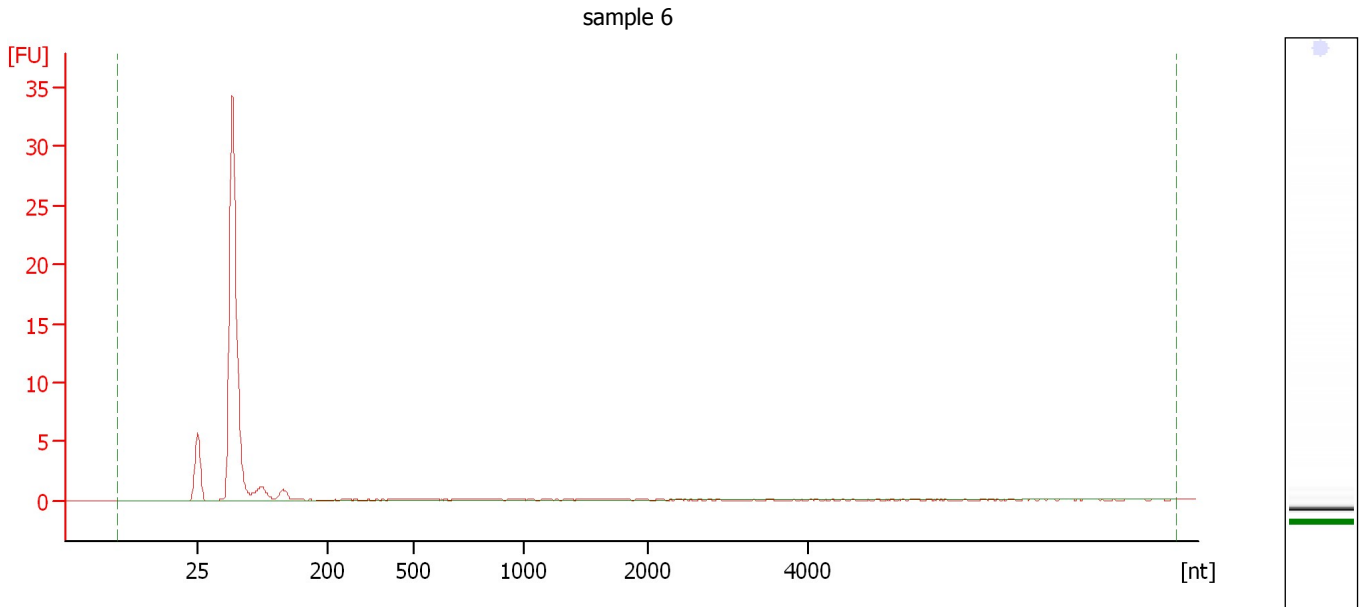
Overall Results for sample 8 : sample 5

RNA Area:	83.1	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	452 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Electropherogram Summary Continued ...



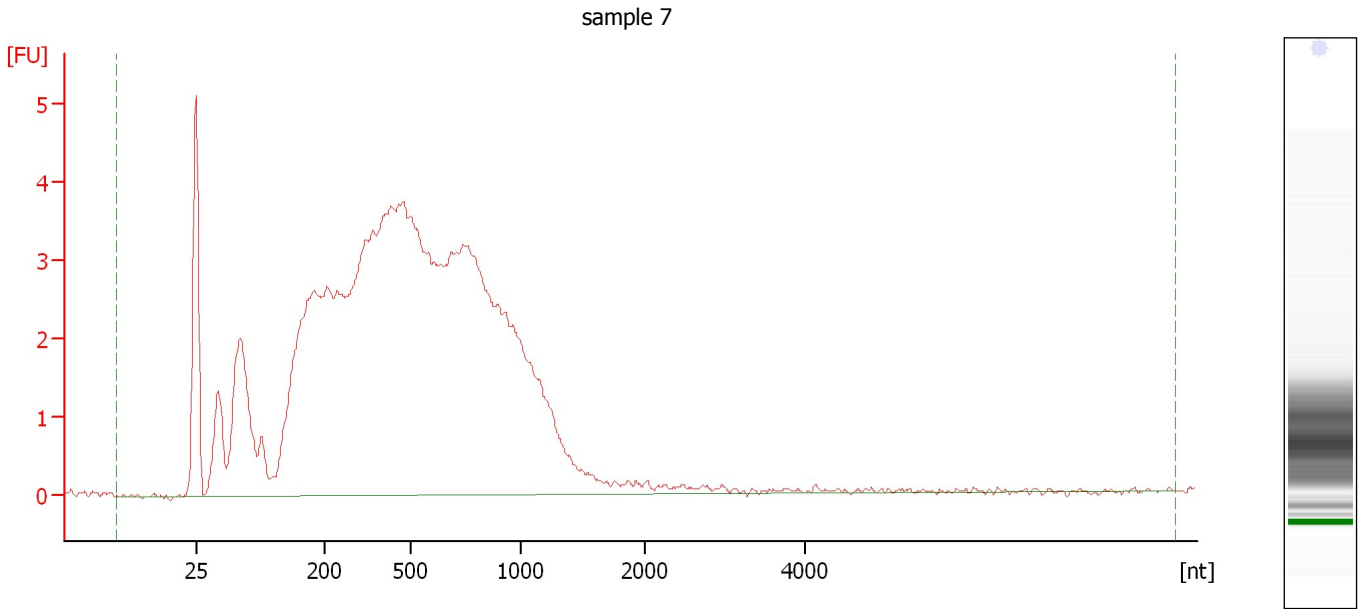
Overall Results for sample 9 : sample 6

RNA Area:	61.9	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	336 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Electropherogram Summary Continued ...



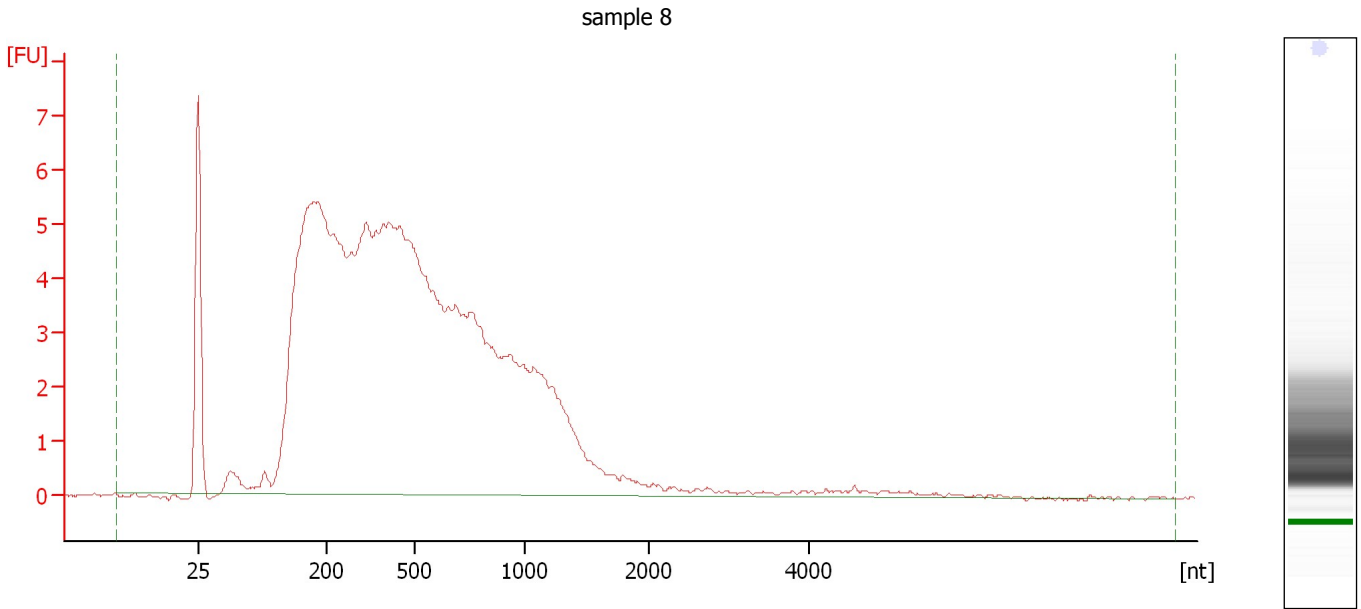
Overall Results for sample 10 : sample 7

RNA Area:	118.6	RNA Integrity Number (RIN):	2 (B.02.08)
RNA Concentration:	644 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Electropherogram Summary Continued ...



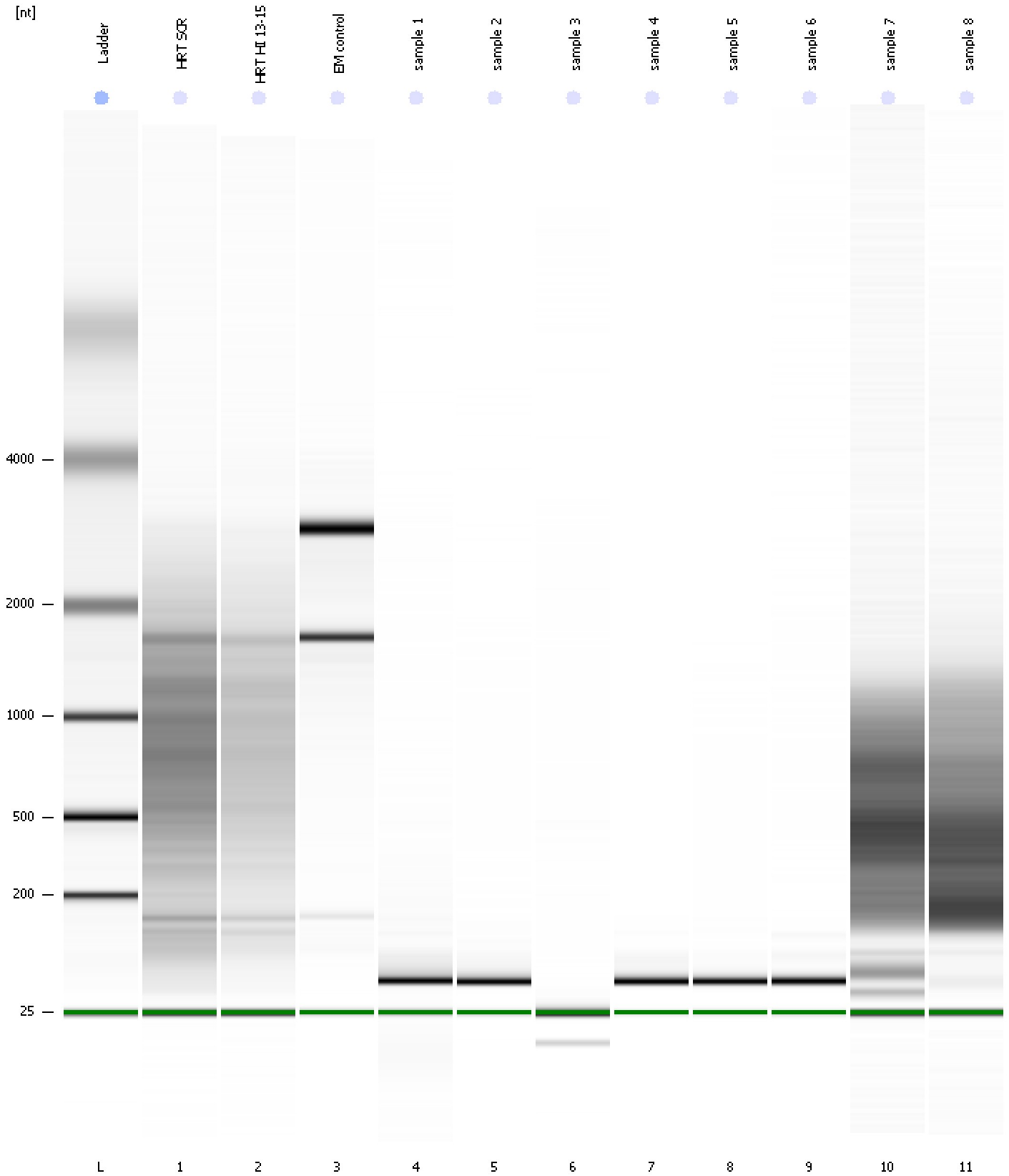
Overall Results for sample 11 : sample 8

RNA Area:	161.0	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	875 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\Data\2014-04-29\2014-04-29_001.xad

Created: 4/29/2014 11:31:28 AM
Modified: 4/29/2014 11:54:23 AM

Curves

Standard Curve

