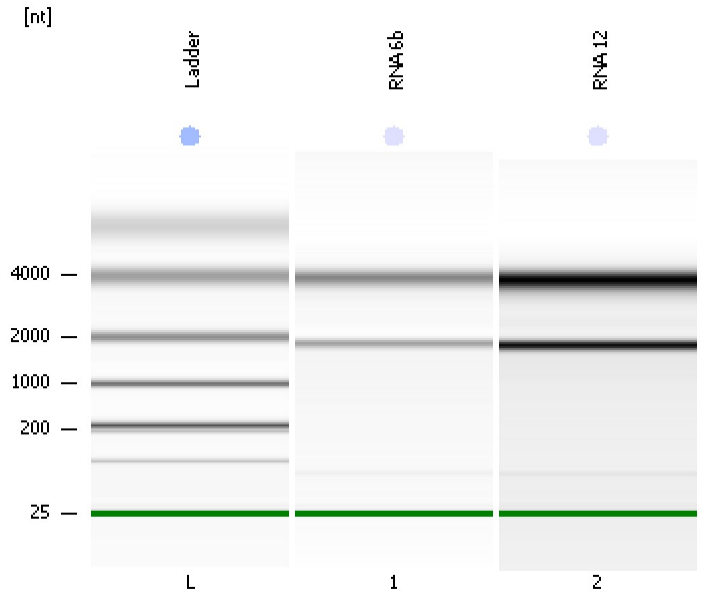


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-07-12\2016-07-12_001_QC104.xad

Created: 7/12/2016 10:33:19 AM
Modified: 7/12/2016 11:06:48 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

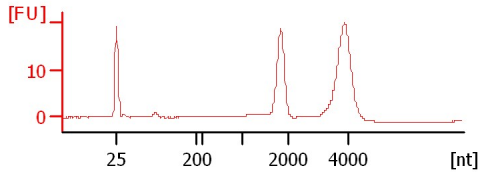
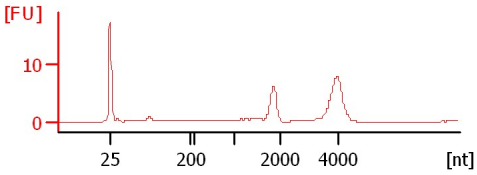
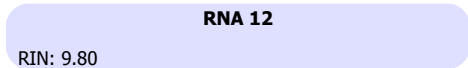
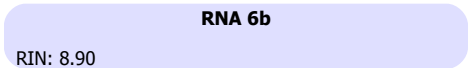
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:\...alyzer\2100 expert\data\2016-07-12\2016-07-12_001_QC104.xad

Created: 7/12/2016 10:33:19 AM
Modified: 7/12/2016 11:06:48 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
RNA 6b		✓	RIN: 8.90	
RNA 12		✓	RIN: 9.80	
Ladder		✓	All Other Samples	

Chip Lot # **Reagent Kit Lot #**

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-07-12\2016-07-12_001_QC104.xad

Created: 7/12/2016 10:33:19 AM
Modified: 7/12/2016 11:06:48 AM

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

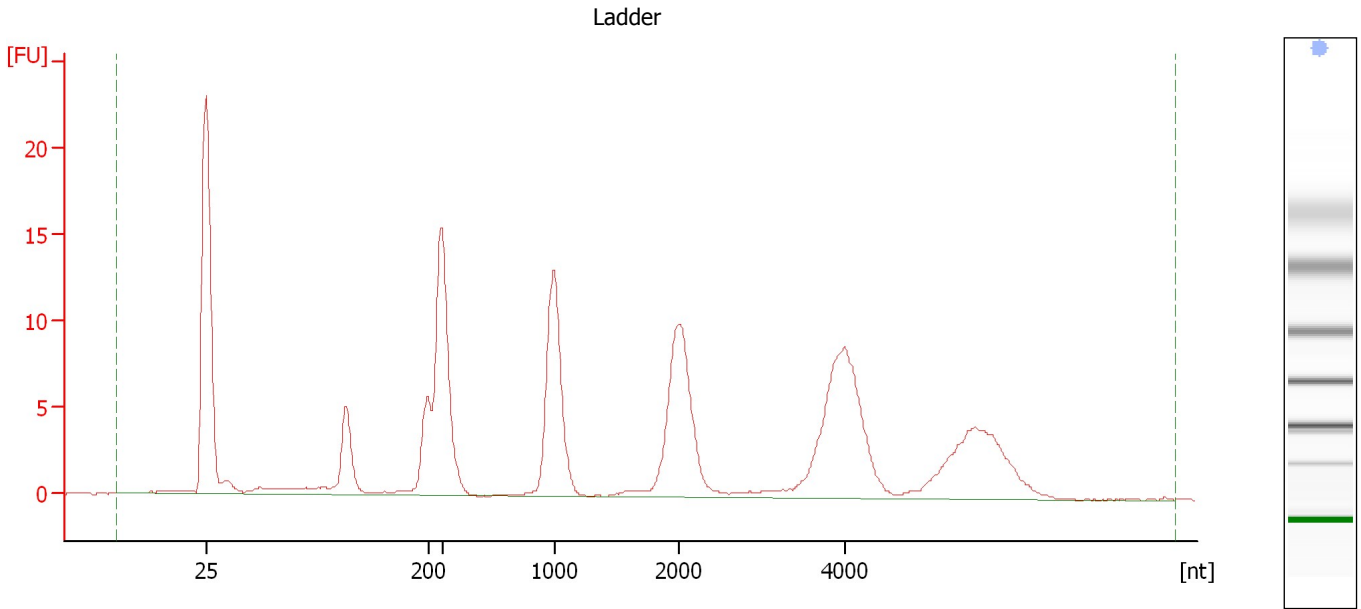
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-07-12\2016-07-12_001_QC104.xad

Created: 7/12/2016 10:33:19 AM
Modified: 7/12/2016 11:06:48 AM

Electropherogram Summary



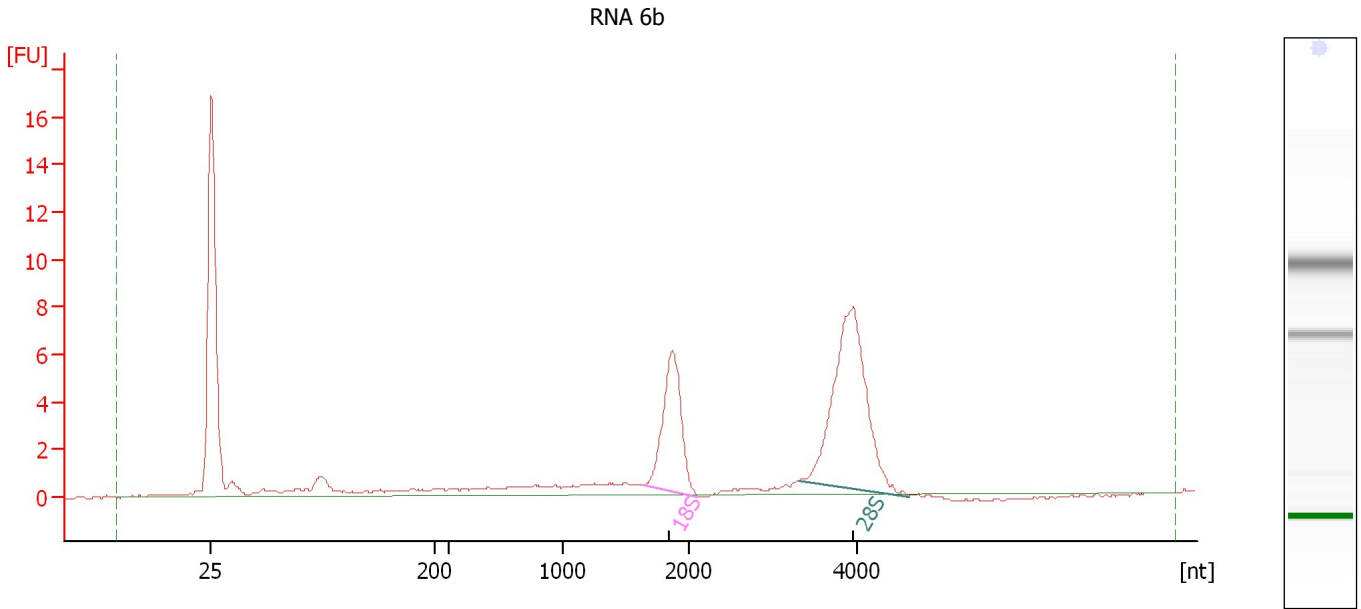
Overall Results for Ladder

RNA Area:	171.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-07-12\2016-07-12_001_QC104.xad

Created: 7/12/2016 10:33:19 AM
Modified: 7/12/2016 11:06:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : RNA 6b

RNA Area: 63.7 RNA Integrity Number (RIN): 8.9 (B.02.08)
RNA Concentration: 371 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 8.90

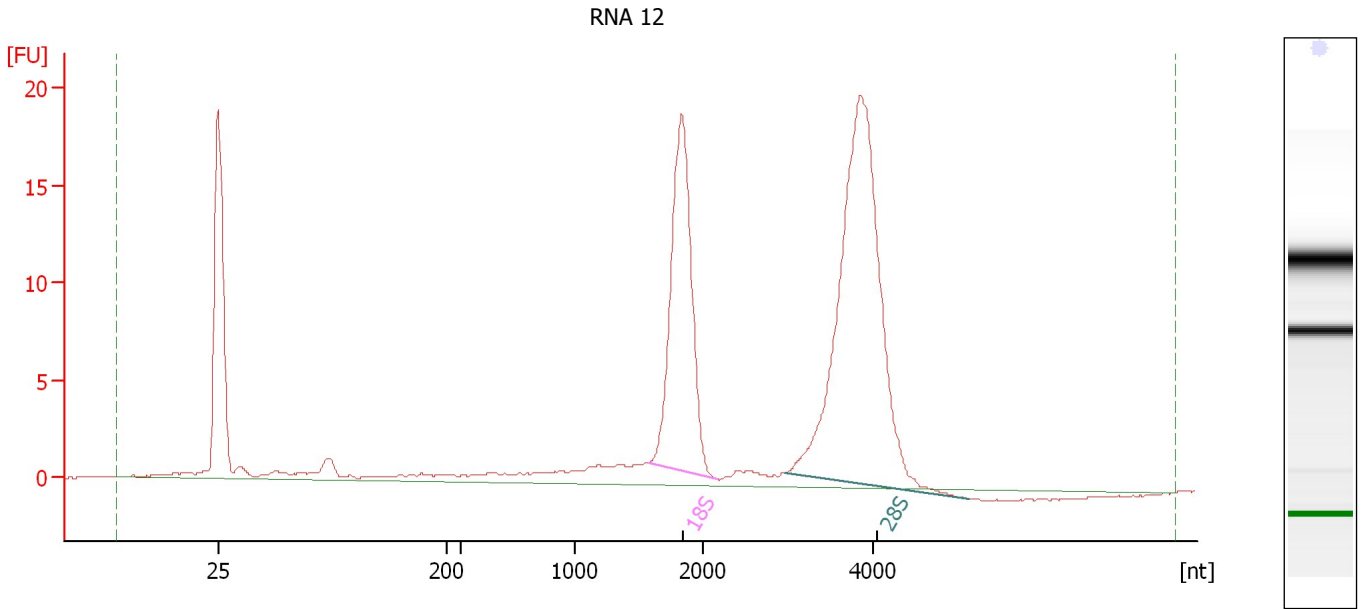
Fragment table for sample 1 : RNA 6b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	2,093	12.9	20.2
28S	3,319	4,621	25.2	39.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-07-12\2016-07-12_001_QC104.xad

Created: 7/12/2016 10:33:19 AM
Modified: 7/12/2016 11:06:48 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : RNA 12

RNA Area:	166.7	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	970 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.8	Result Flagging Label:	RIN: 9.80

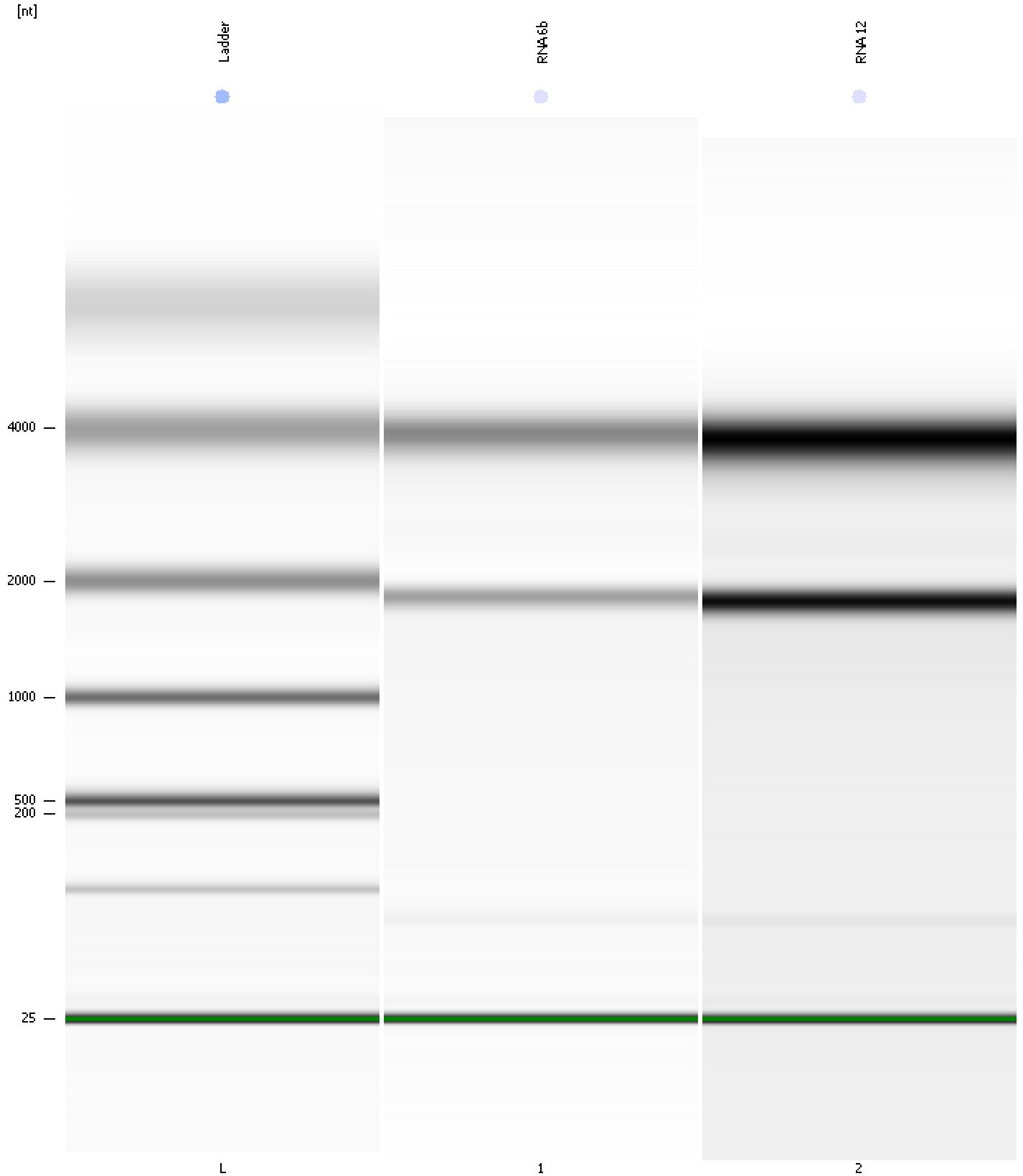
Fragment table for sample 2 : RNA 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,572	2,148	44.5	26.7
28S	2,953	5,130	81.4	48.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...alyzer\2100 expert\data\2016-07-12\2016-07-12_001_QC104.xad

Created: 7/12/2016 10:33:19 AM
Modified: 7/12/2016 11:06:48 AM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...alyzer\2100 expert\data\2016-07-12\2016-07-12_001_QC104.xad

Created: 7/12/2016 10:33:19 AM
 Modified: 7/12/2016 11:06:48 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 10)		Instrument	Run		7/12/2016 10:53:21 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\data\2016-07-12\2016-07-12_001.xad)		Instrument	Run		7/12/2016 10:33:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		7/12/2016 10:33:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		7/12/2016 10:33:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		7/12/2016 10:33:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		7/12/2016 10:33:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		7/12/2016 10:33:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		7/12/2016 10:33:24 AM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1