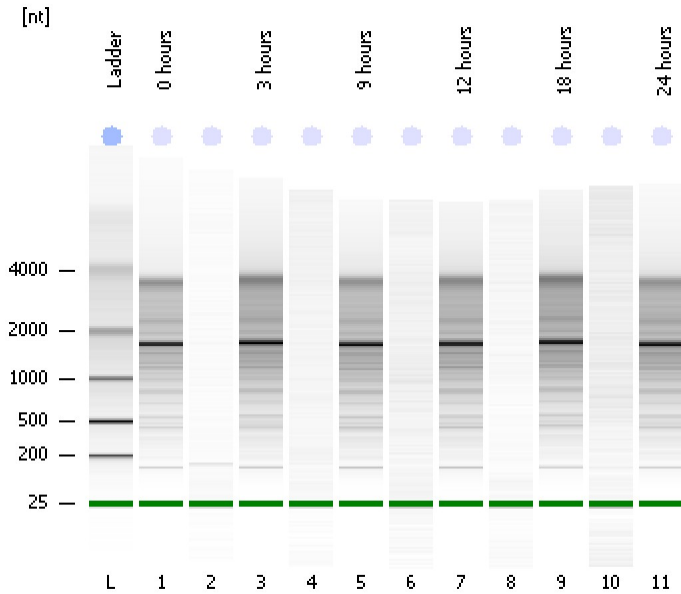


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electrophoresis File Run Summary



Instrument Information:

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

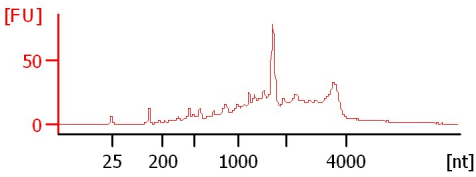
Assay Information:

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)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

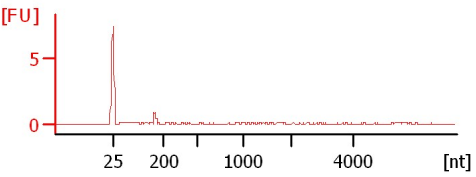
Chip Information:

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

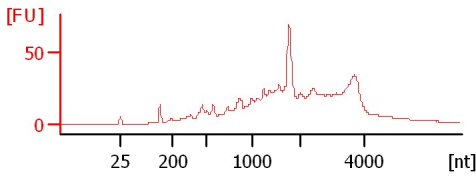
0 hours
RIN: 5.50



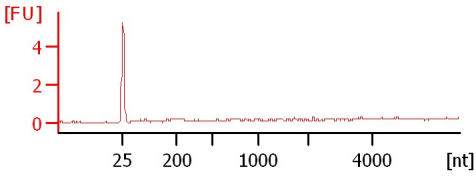
3 hours
RIN: 1.20



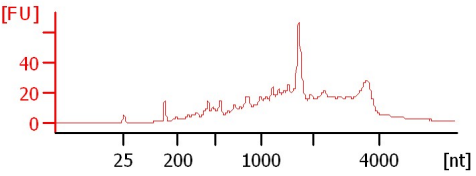
3 hours
RIN: 5.10



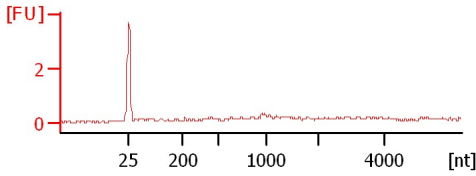
9 hours
RIN: 1



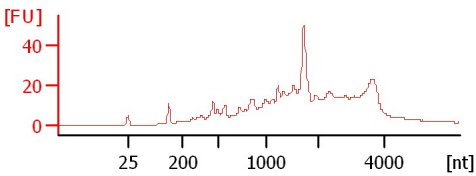
9 hours
RIN: 5.10



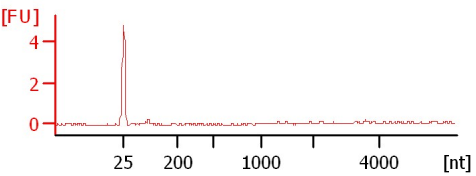
9 hours
RIN: 1



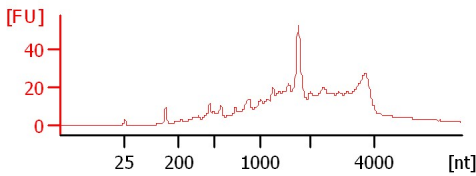
12 hours
RIN: 5.30



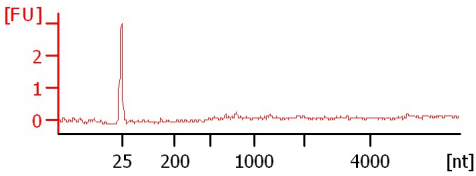
12 hours
RIN: 1



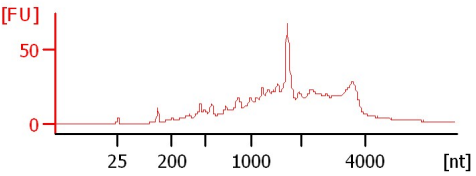
18 hours
RIN: 5.20



24 hours
RIN: 1



24 hours
RIN: 4.90



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
 Modified: 4/16/2015 6:31:23 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
0 hours		✓	RIN: 5.50	
		✓	RIN: 1.20	
3 hours		✓	RIN: 5.10	
		✓	RIN:1	
9 hours		✓	RIN: 5.10	
		✓	RIN:1	
12 hours		✓	RIN: 5.30	
		✓	RIN:1	
18 hours		✓	RIN: 5.20	
		✓	RIN:1	
24 hours		✓	RIN: 4.90	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 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

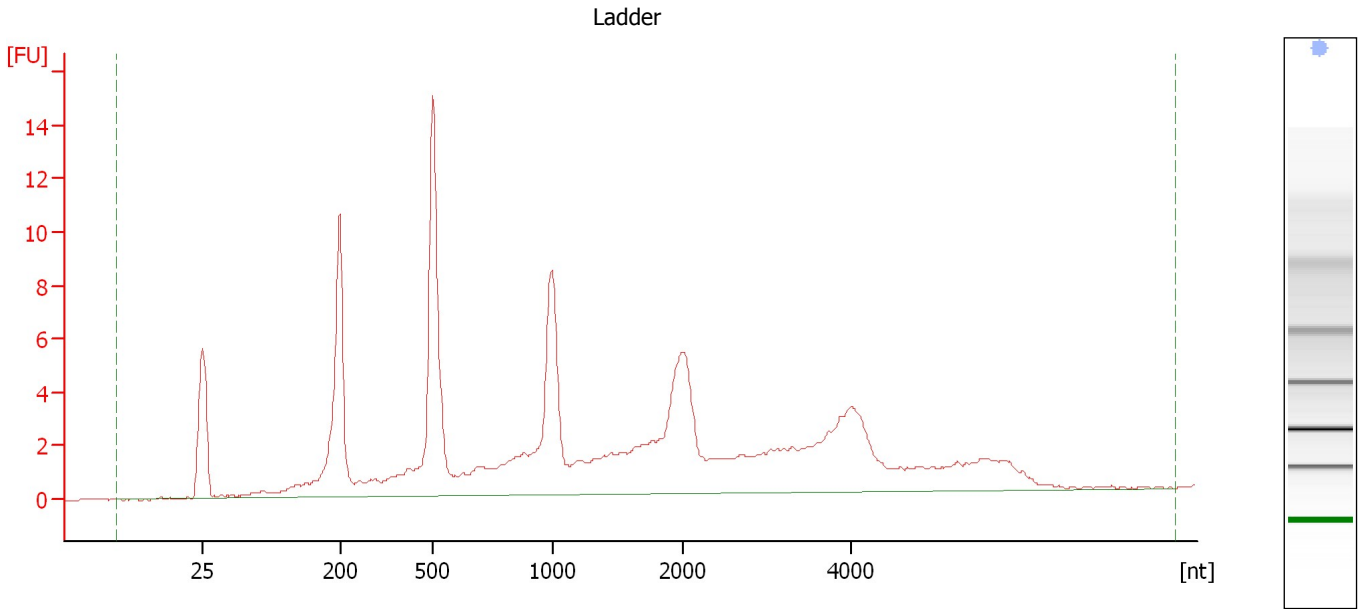
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary



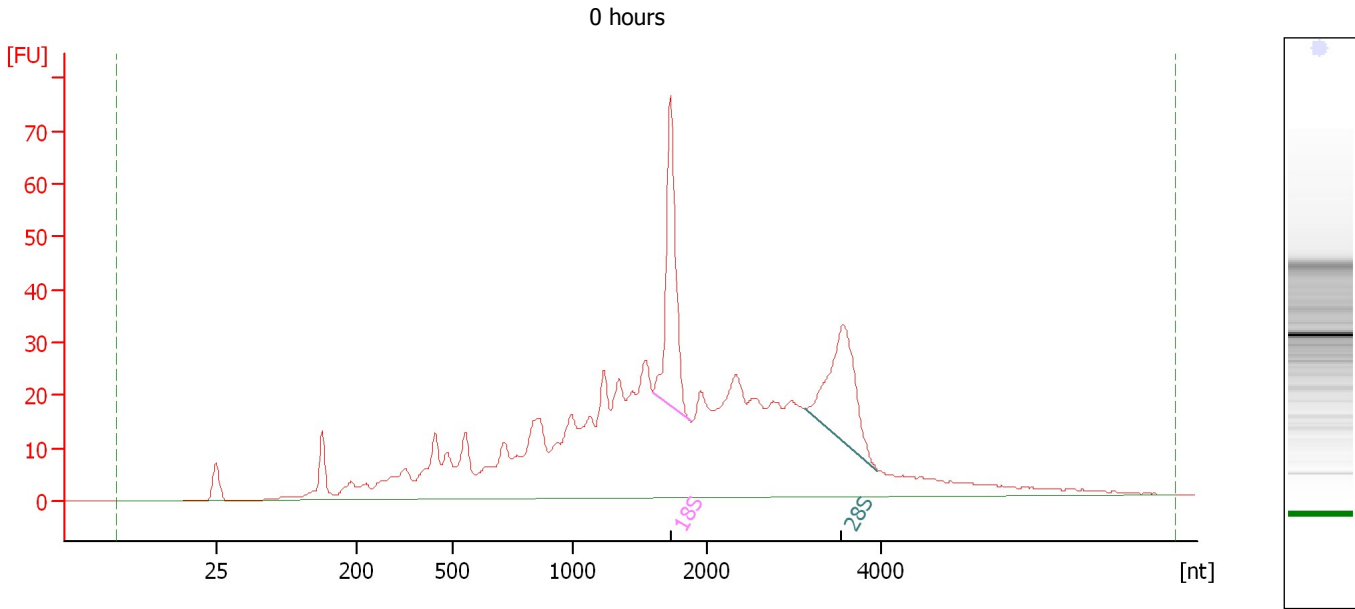
Overall Results for Ladder

RNA Area:	149.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 0 hours

RNA Area: 898.8 RNA Integrity Number (RIN): 5.5 (B.02.08)
RNA Concentration: 6,000 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.9 Result Flagging Label: RIN: 5.50

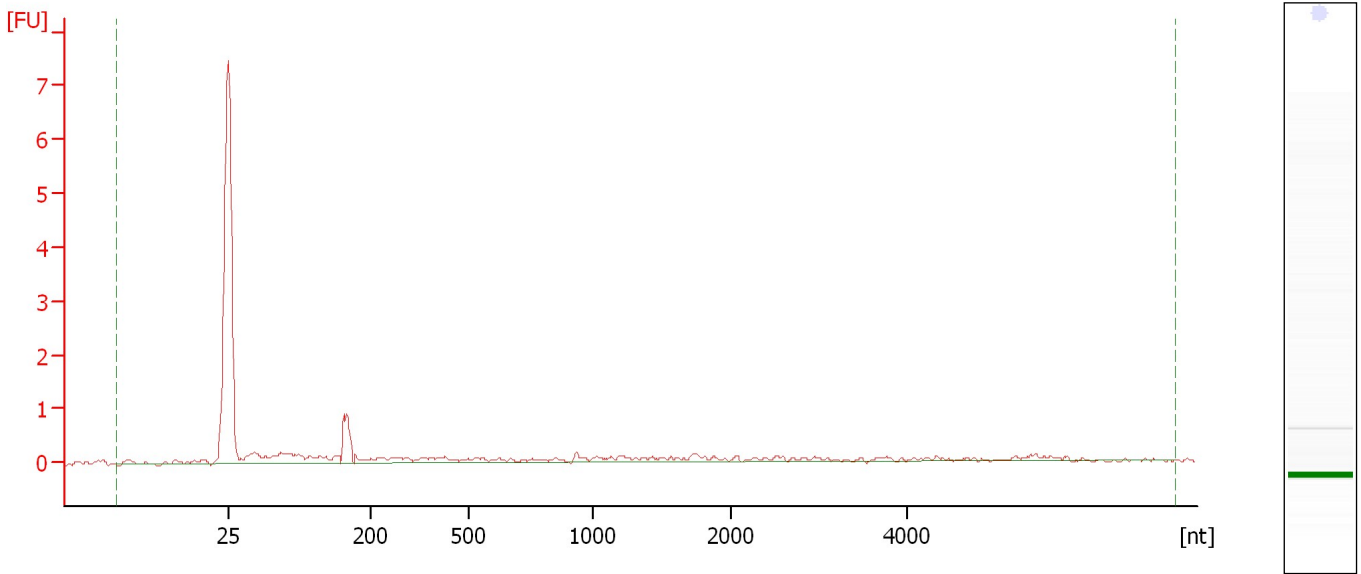
Fragment table for sample 1 : 0 hours

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	1,876	66.8	7.4
28S	3,130	3,969	56.9	6.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



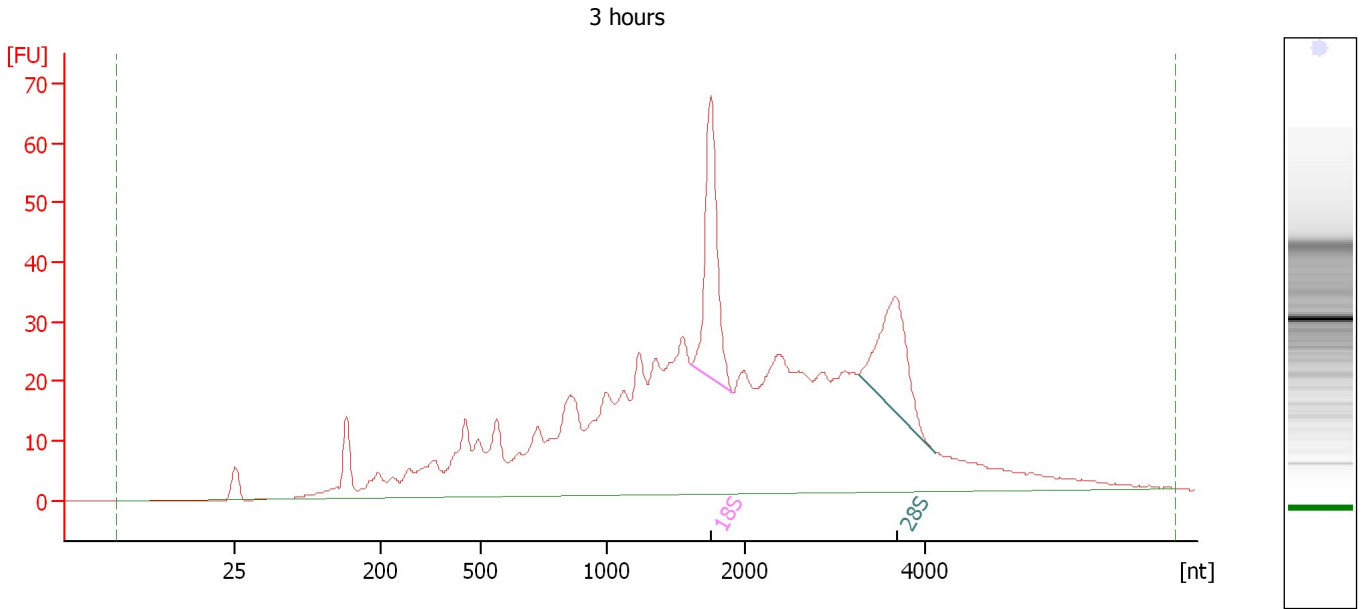
Overall Results for sample 2 :

RNA Area:	9.6	RNA Integrity Number (RIN):	1.2 (B.02.08)
RNA Concentration:	64 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 1.20

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
 Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 3 hours

RNA Area:	993.9	RNA Integrity Number (RIN):	5.1 (B.02.08)
RNA Concentration:	6,634 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 5.10

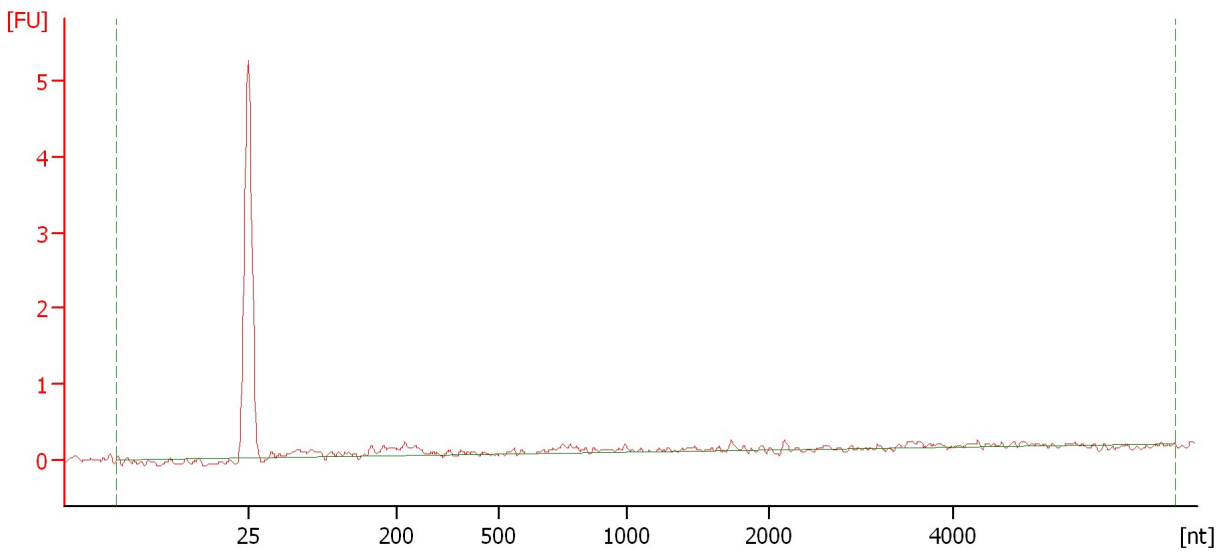
Fragment table for sample 3 : 3 hours

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,610	1,911	64.2	6.5
28S	3,266	4,111	52.2	5.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



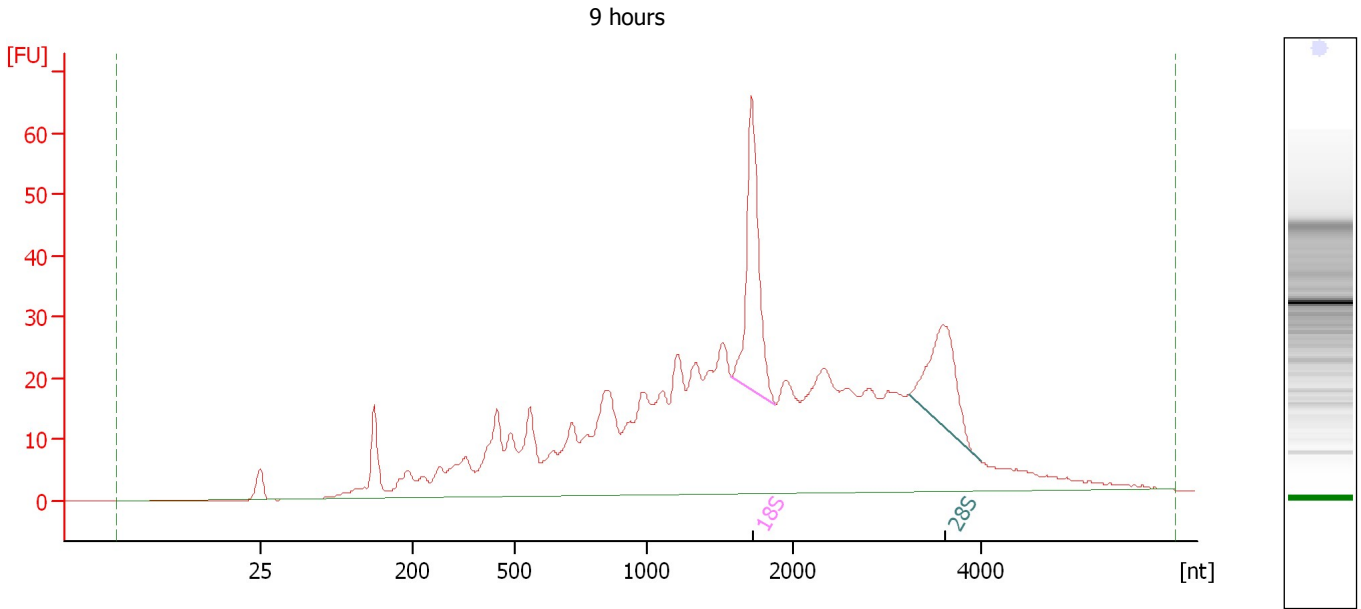
Overall Results for sample 4 :

RNA Area:	3.3	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	22 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 9 hours

RNA Area:	890.8	RNA Integrity Number (RIN):	5.1 (B.02.08)
RNA Concentration:	5,946 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN: 5.10

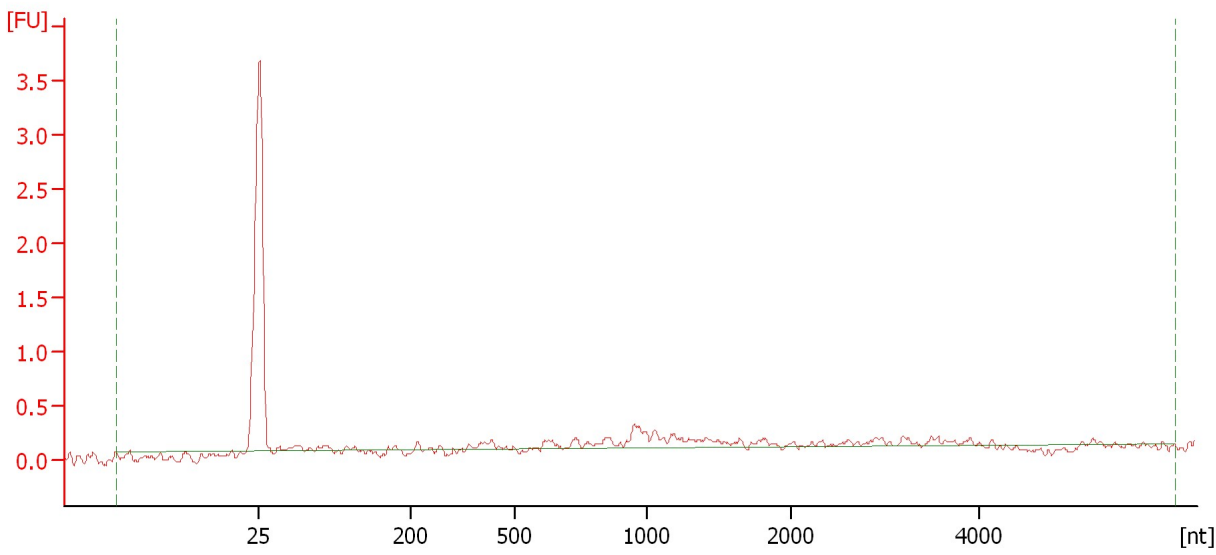
Fragment table for sample 5 : 9 hours

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,577	1,879	61.5	6.9
28S	3,246	3,997	41.1	4.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



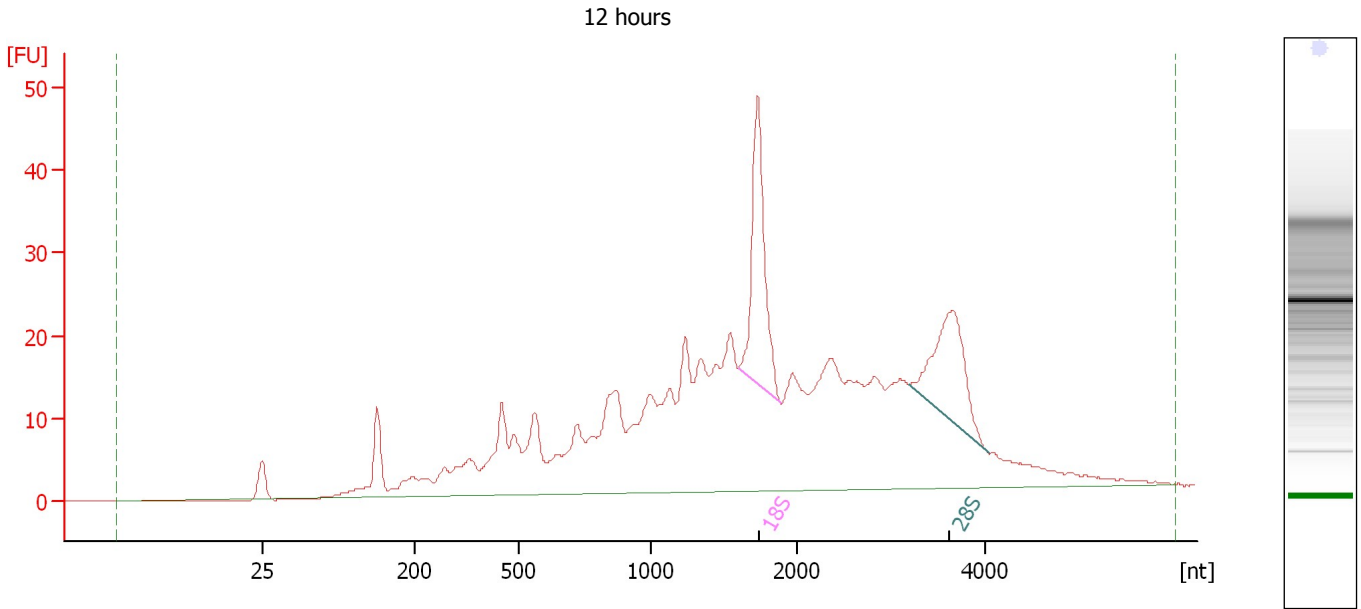
Overall Results for sample 6 :

RNA Area:	2.9	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	20 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 12 hours

RNA Area:	665.7	RNA Integrity Number (RIN):	5.3 (B.02.08)
RNA Concentration:	4,443 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 5.30

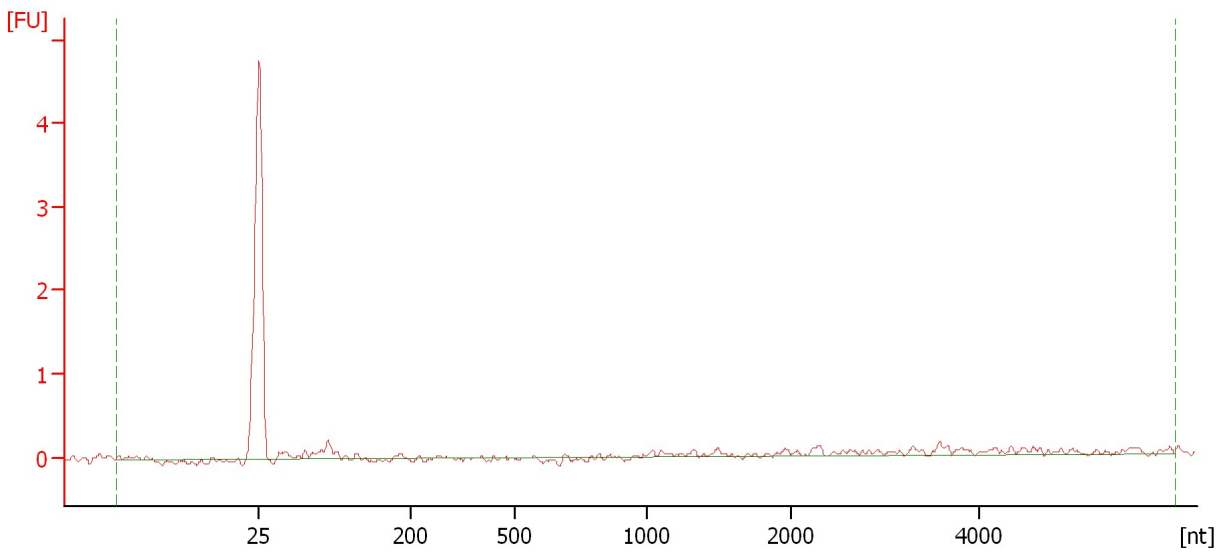
Fragment table for sample 7 : 12 hours

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,601	1,887	46.2	6.9
28S	3,197	4,036	37.2	5.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



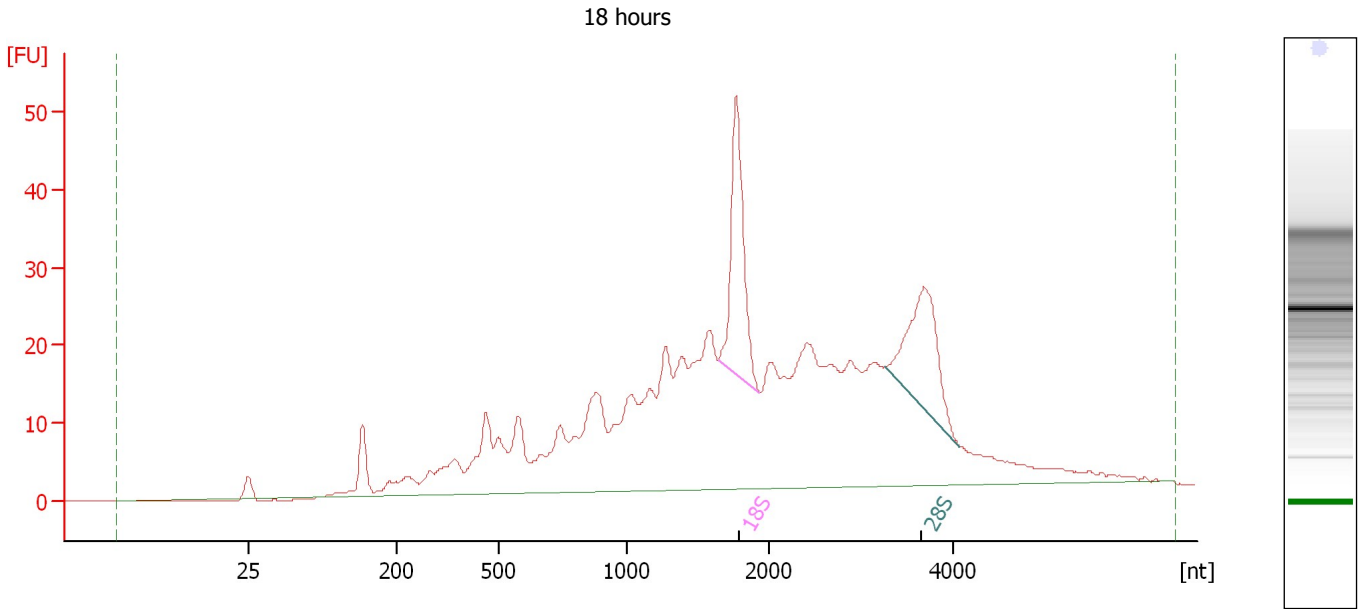
Overall Results for sample 8 :

RNA Area:	2.7	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	18 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
 Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 18 hours

RNA Area:	735.5	RNA Integrity Number (RIN):	5.2 (B.02.08)
RNA Concentration:	4,910 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 5.20

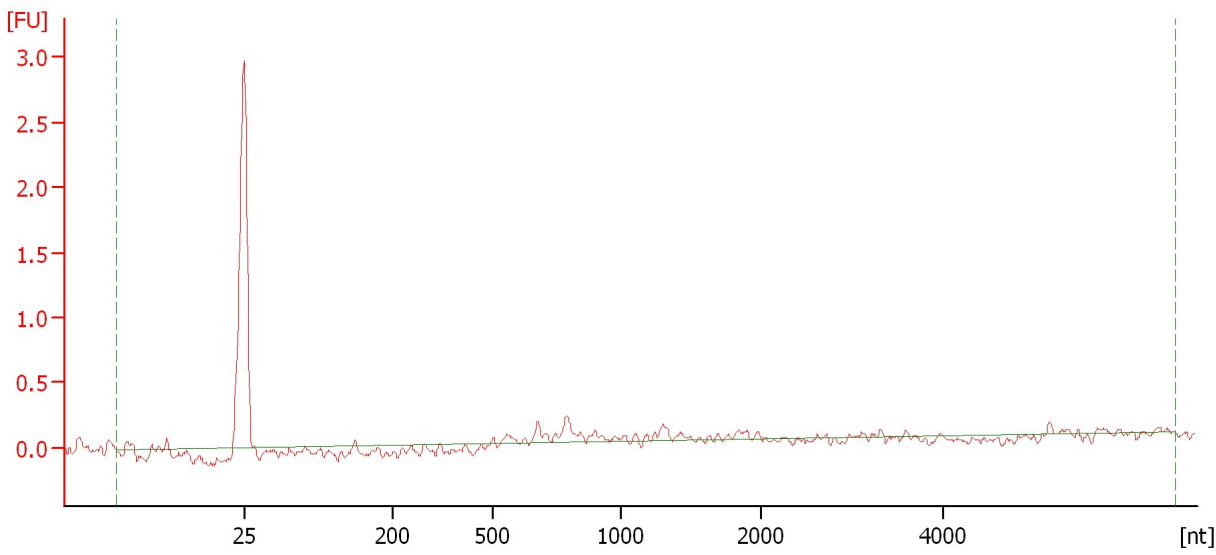
Fragment table for sample 9 : 18 hours

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,639	1,925	49.0	6.7
28S	3,255	4,069	42.6	5.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



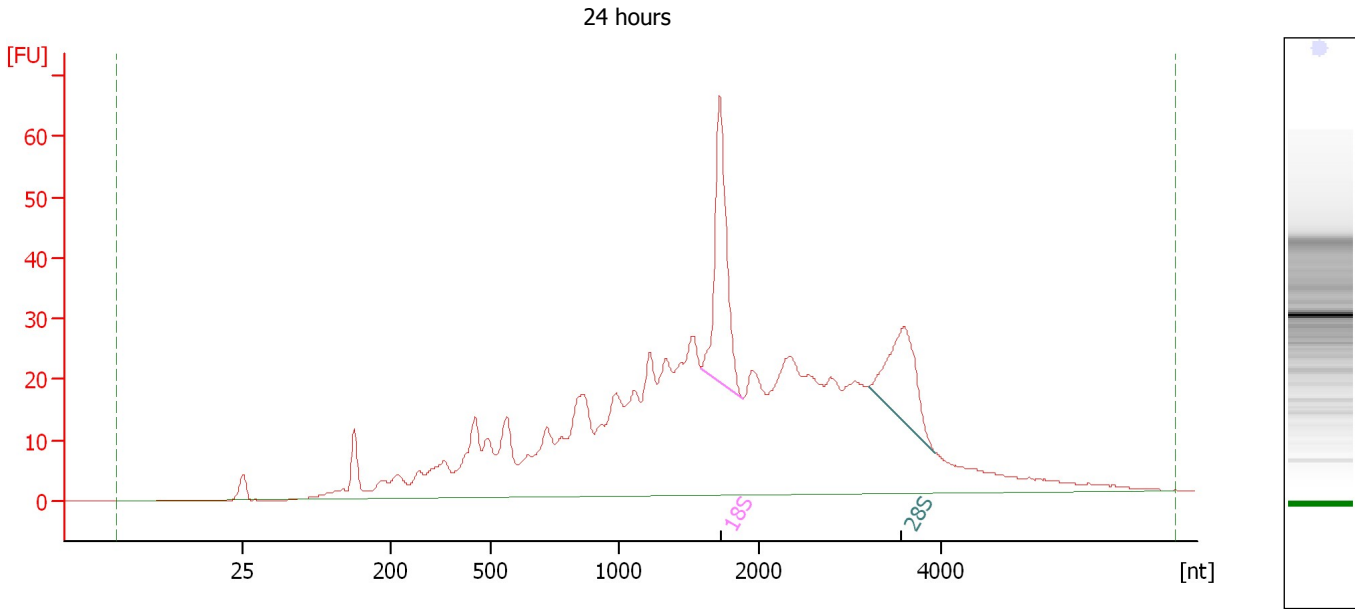
Overall Results for sample 10 :

RNA Area:	1.6	RNA Integrity Number (RIN):	1 (B.02.08)
RNA Concentration:	10 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 24 hours

RNA Area: 918.1 RNA Integrity Number (RIN): 4.9 (B.02.08)
RNA Concentration: 6,129 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 4.90

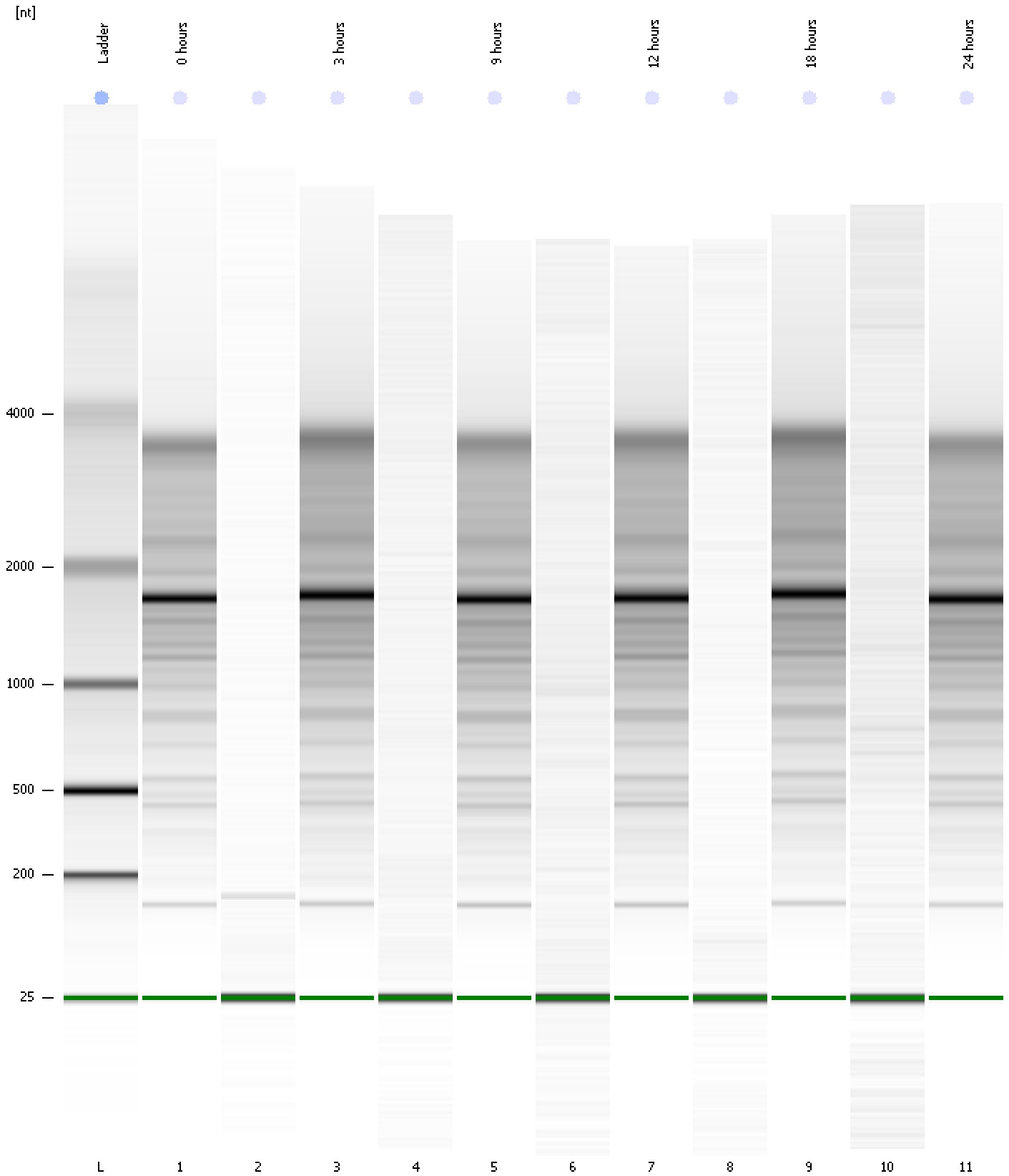
Fragment table for sample 11 : 24 hours

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,580	1,876	61.9	6.7
28S	3,206	3,922	40.2	4.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
Modified: 4/16/2015 6:31:23 PM

Gel Image



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad

Created: 4/16/2015 6:08:27 PM
 Modified: 4/16/2015 6:31:23 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		4/16/2015 6:31:21 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-04-16\2015-04-16_003.xad)		Instrument	Run		4/16/2015 6:08:33 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		4/16/2015 6:08:33 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		4/16/2015 6:08:33 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		4/16/2015 6:08:33 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		4/16/2015 6:08:33 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		4/16/2015 6:08:33 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		4/16/2015 6:08:33 PM	(GMT --07:00) Pacific Standard Time	UC Davis	D8XSMGH1