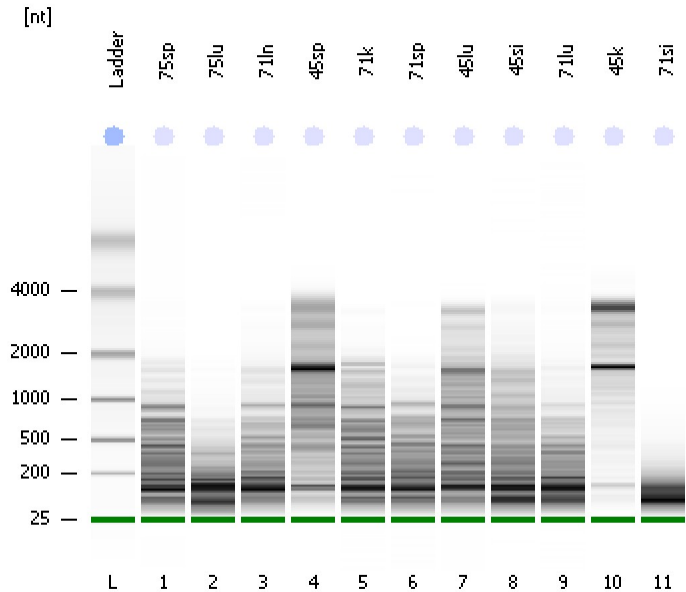


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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Electrophoresis File Run Summary



Instrument Information:

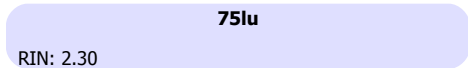
Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

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\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
75sp		✓	RIN: 2.20	
75lu		✓	RIN: 2.30	
71ln		✓	RIN: 2.90	
45sp		✓	RIN: 4.90	
71k		✓	RIN: 2.50	
71sp		✓	RIN: 2.70	
45lu		✓	RIN: 3.20	
45si		✓	RIN: 2.30	
71lu		✓	RIN: 2.50	
45k		✓	RIN: 7.20	
71si		✓	RIN: 2.50	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 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

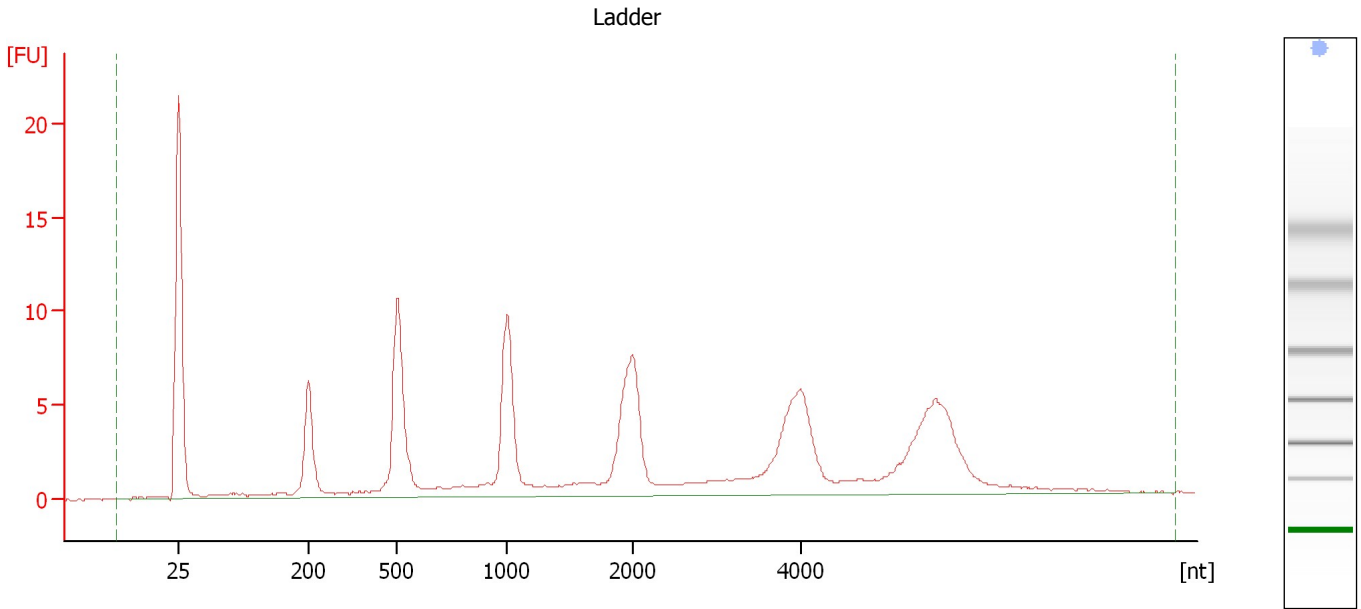
Ladder

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\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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Electropherogram Summary



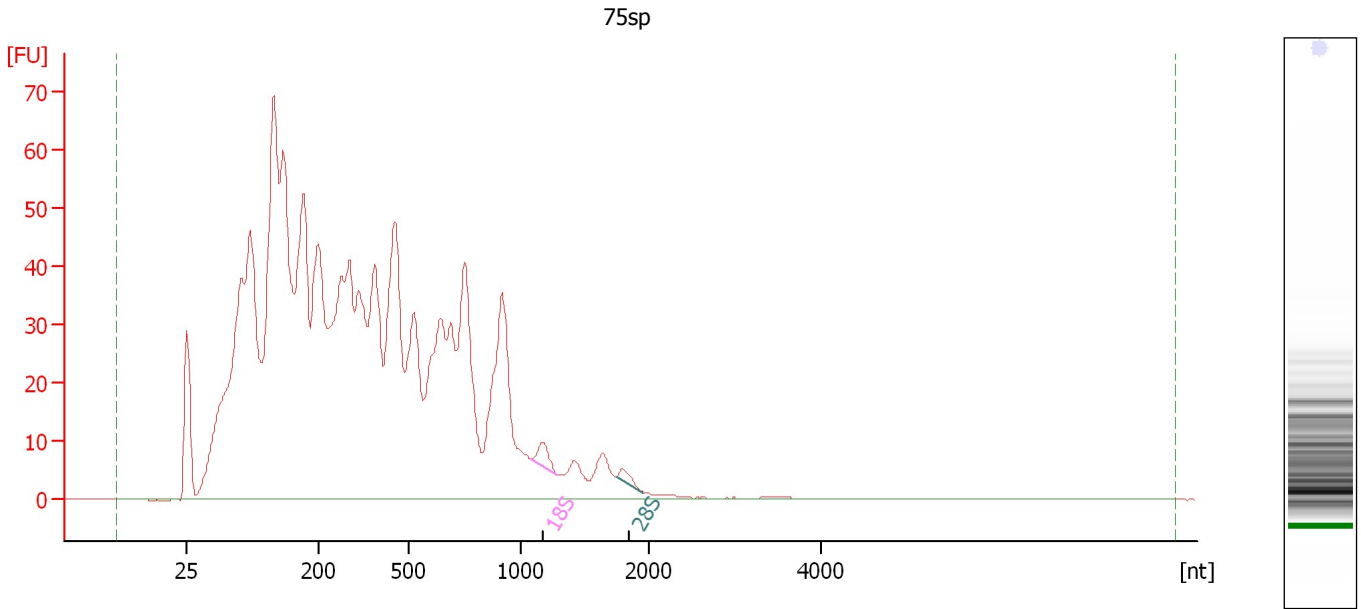
Overall Results for Ladder

RNA Area:	138.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 1 : 75sp

RNA Area:	1,596.3	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	11,528 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 2.20

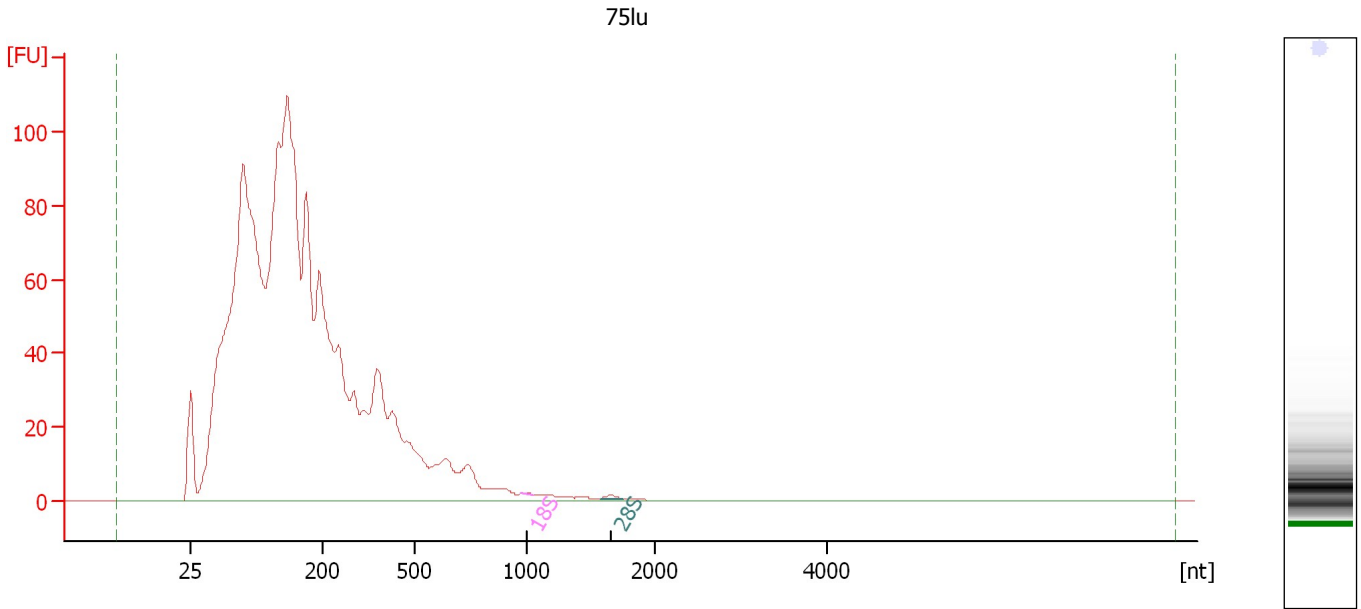
Fragment table for sample 1 : 75sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,079	1,281	6.2	0.4
28S	1,743	1,961	2.9	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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Electropherogram Summary Continued ...



Overall Results for sample 2 : 75lu

RNA Area: 1,897.1 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 13,701 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 3.5 Result Flagging Label: RIN: 2.30

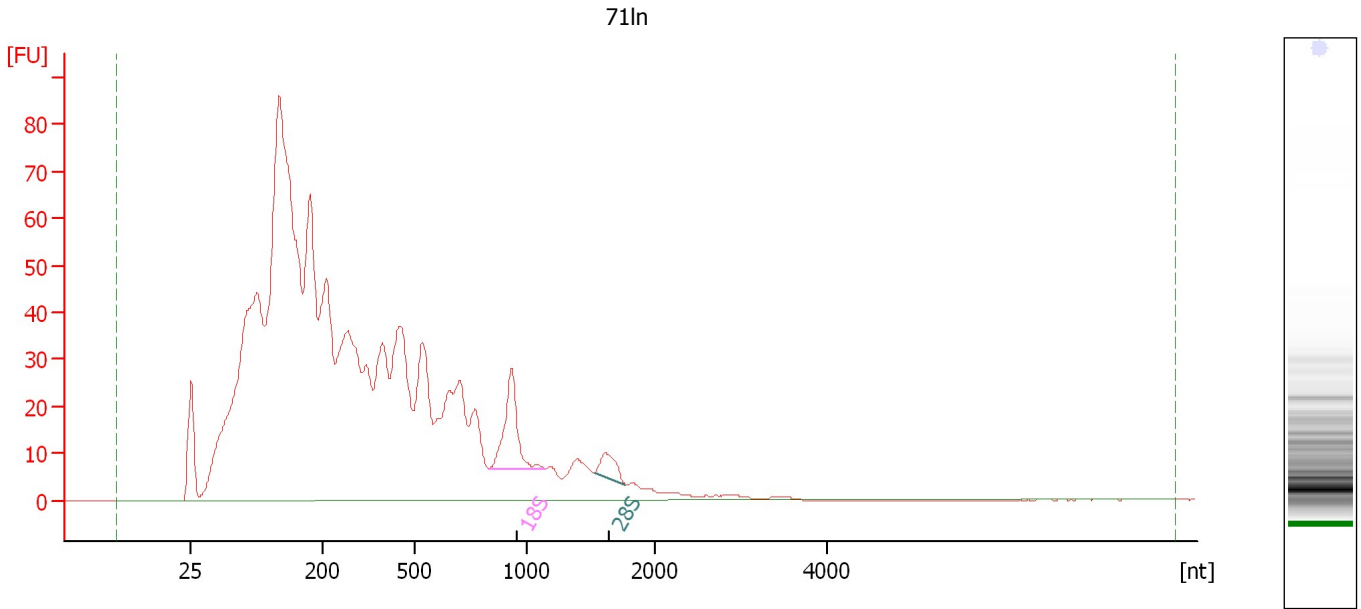
Fragment table for sample 2 : 75lu

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	969	1,045	0.4	0.0
28S	1,571	1,746	1.3	0.1

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 3 : 71ln

RNA Area:	1,646.9	RNA Integrity Number (RIN):	2.9 (B.02.08)
RNA Concentration:	11,894 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN: 2.90

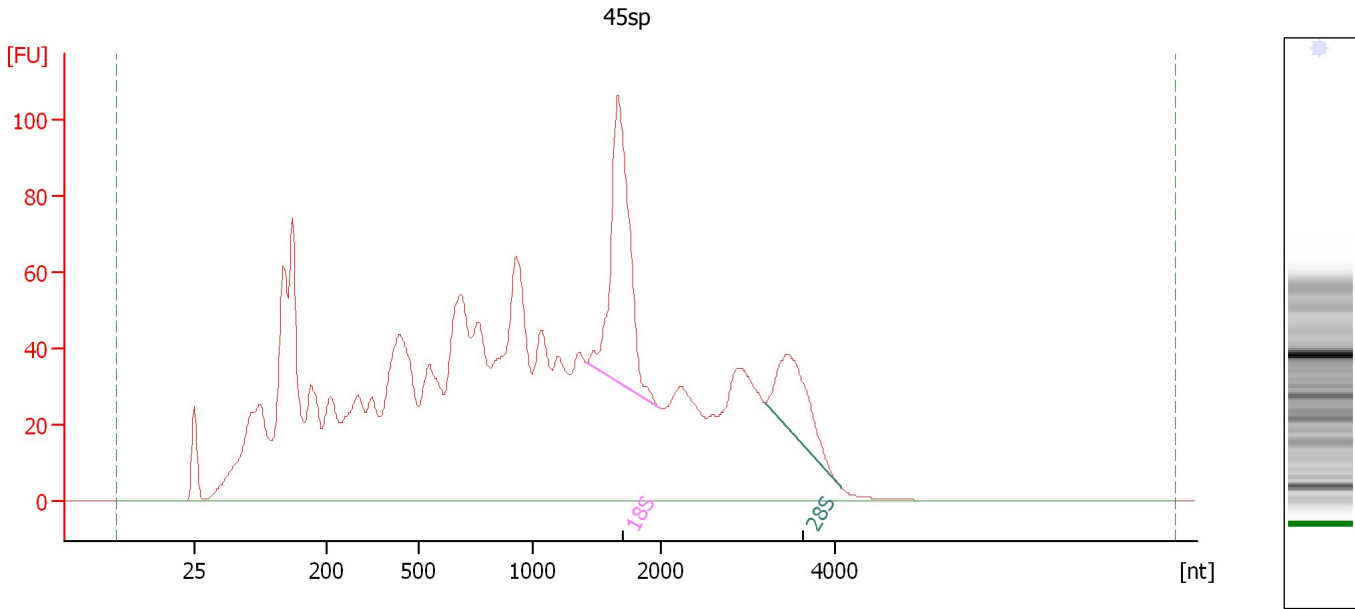
Fragment table for sample 3 : 71ln

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	831	1,145	37.3	2.3
28S	1,529	1,771	10.3	0.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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Electropherogram Summary Continued ...



Overall Results for sample 4 : 45sp

RNA Area: 2,567.8 RNA Integrity Number (RIN): 4.9 (B.02.08)
RNA Concentration: 18,544 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 4.90

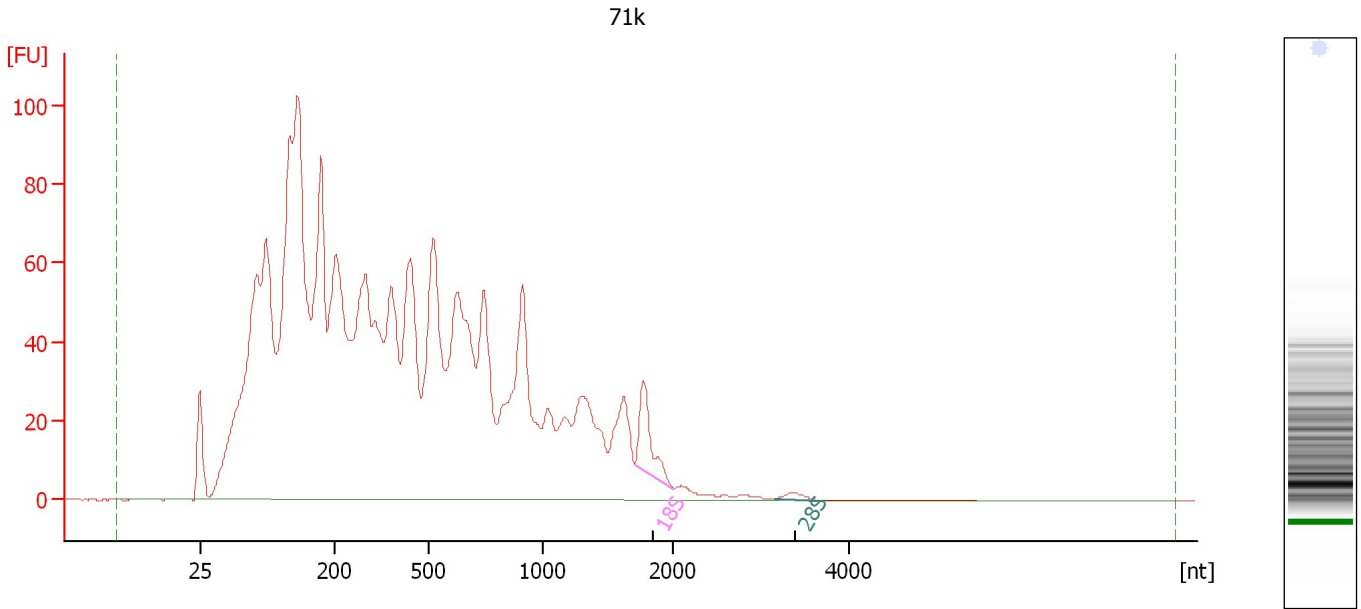
Fragment table for sample 4 : 45sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,417	1,997	173.5	6.8
28S	3,187	4,059	69.4	2.7

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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Electropherogram Summary Continued ...



Overall Results for sample 5 : 71k

RNA Area:	2,467.6	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	17,821 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.50

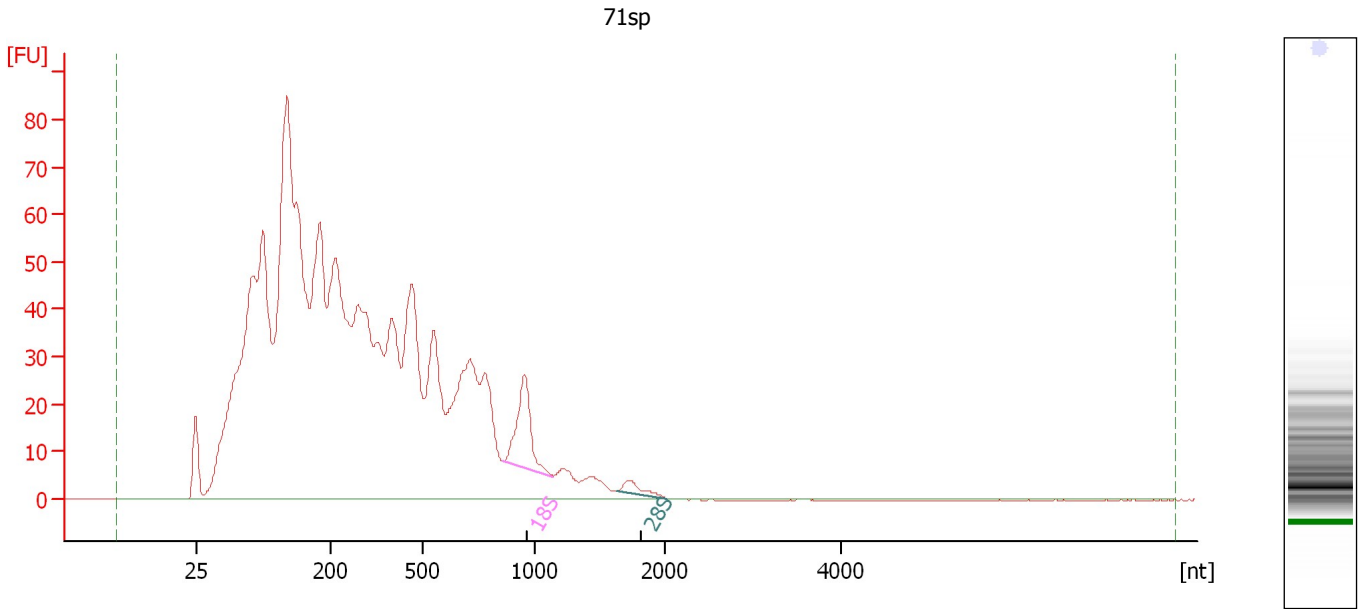
Fragment table for sample 5 : 71k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,697	2,000	30.5	1.2
28S	3,152	3,624	3.2	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 6 : 71sp

RNA Area: 1,737.1 RNA Integrity Number (RIN): 2.7 (B.02.08)
RNA Concentration: 12,545 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.2 Result Flagging Label: RIN: 2.70

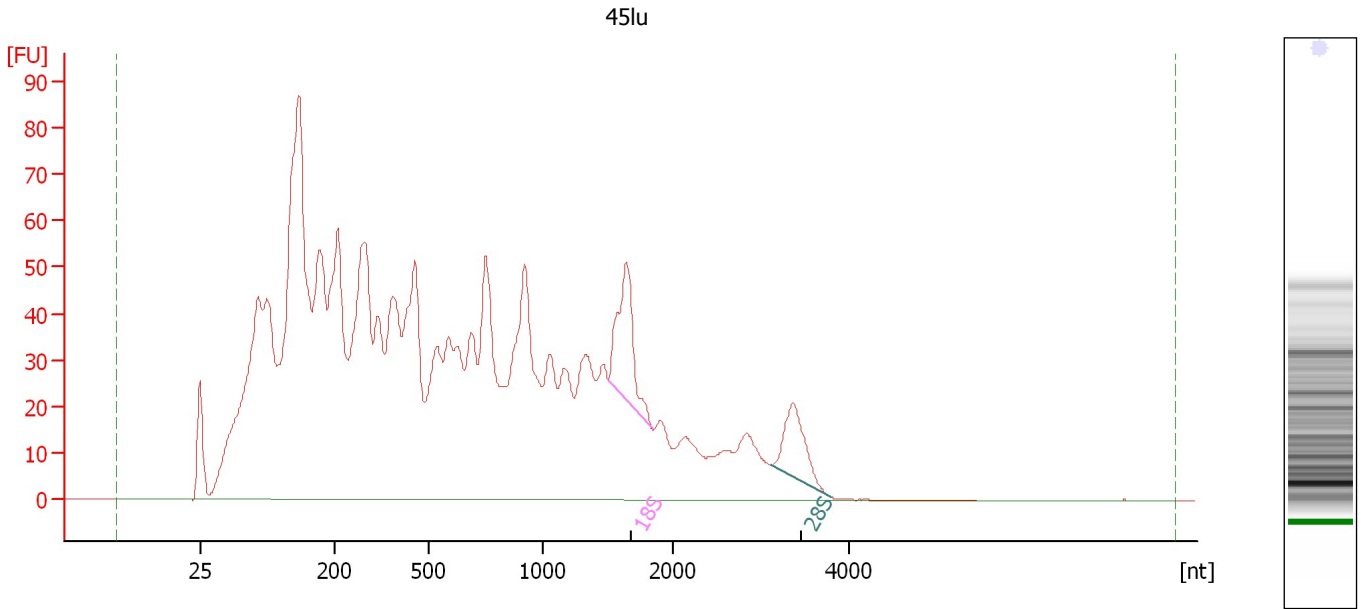
Fragment table for sample 6 : 71sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	854	1,132	37.4	2.2
28S	1,619	2,010	6.0	0.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 7 : 45lu

RNA Area:	2,360.4	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	17,047 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 3.20

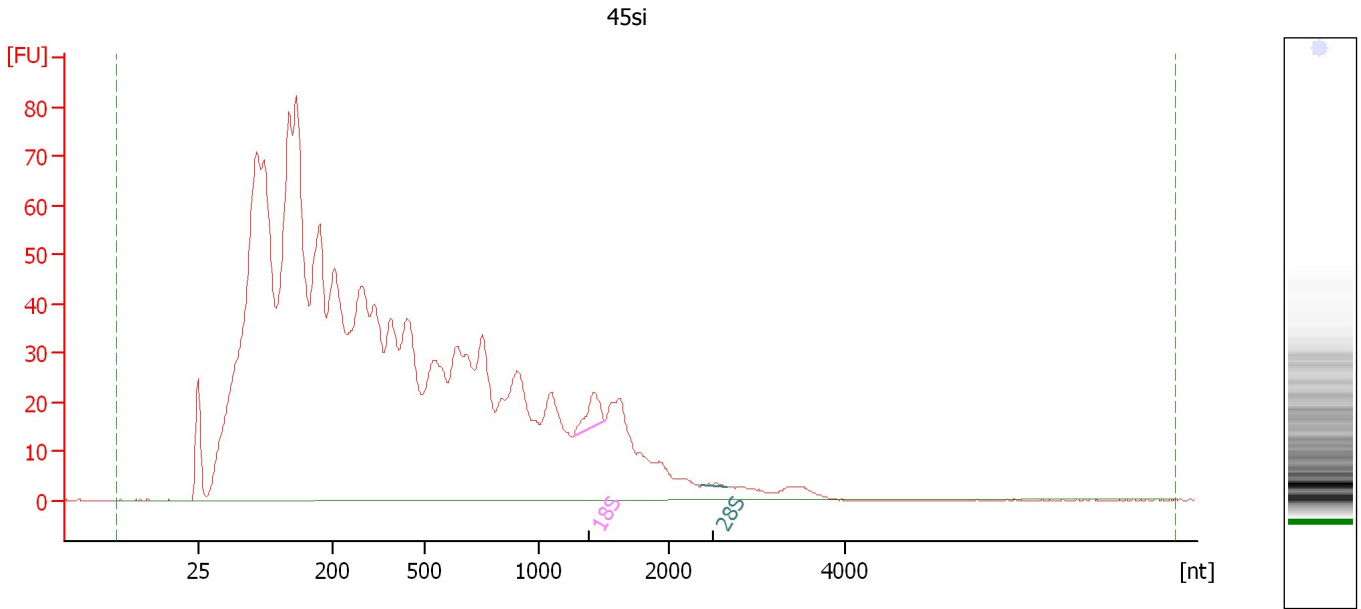
Fragment table for sample 7 : 45lu

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,501	1,836	55.2	2.3
28S	3,103	3,782	34.4	1.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 8 : 45si

RNA Area:	2,066.1	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	14,921 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN: 2.30

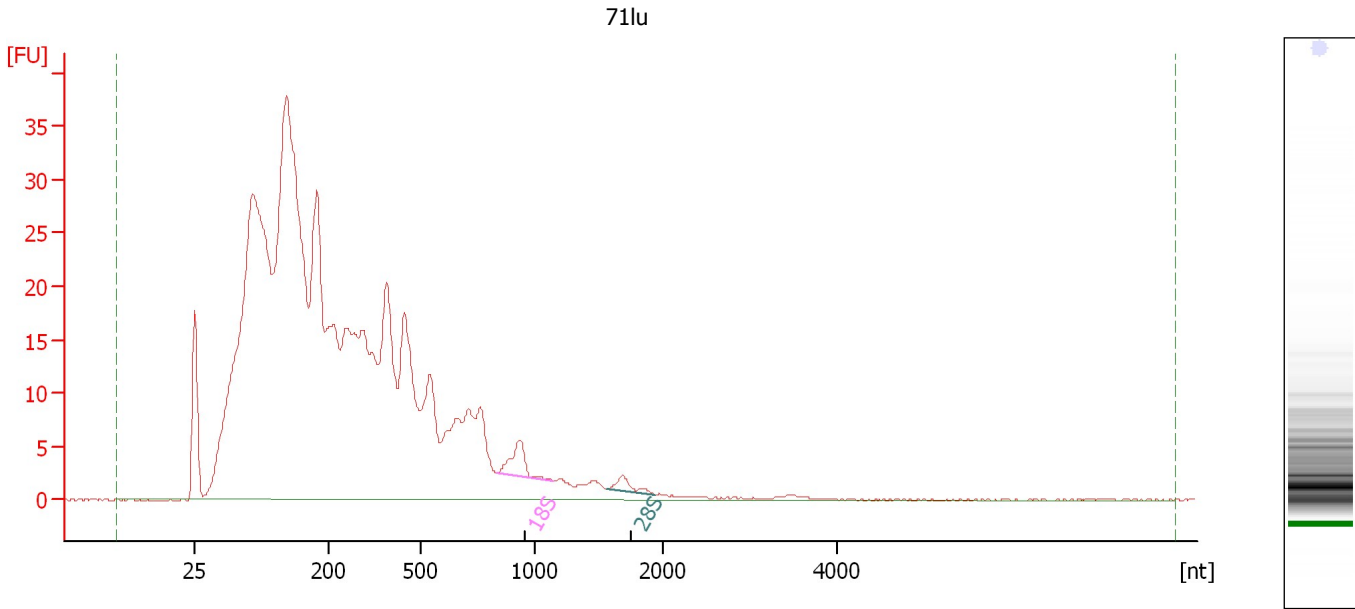
Fragment table for sample 8 : 45si

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,251	1,506	12.0	0.6
28S	2,364	2,656	1.0	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

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Electropherogram Summary Continued ...



Overall Results for sample 9 : 71lu

RNA Area: 741.1 RNA Integrity Number (RIN): 2.5 (B.02.08)
RNA Concentration: 5,352 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 2.50

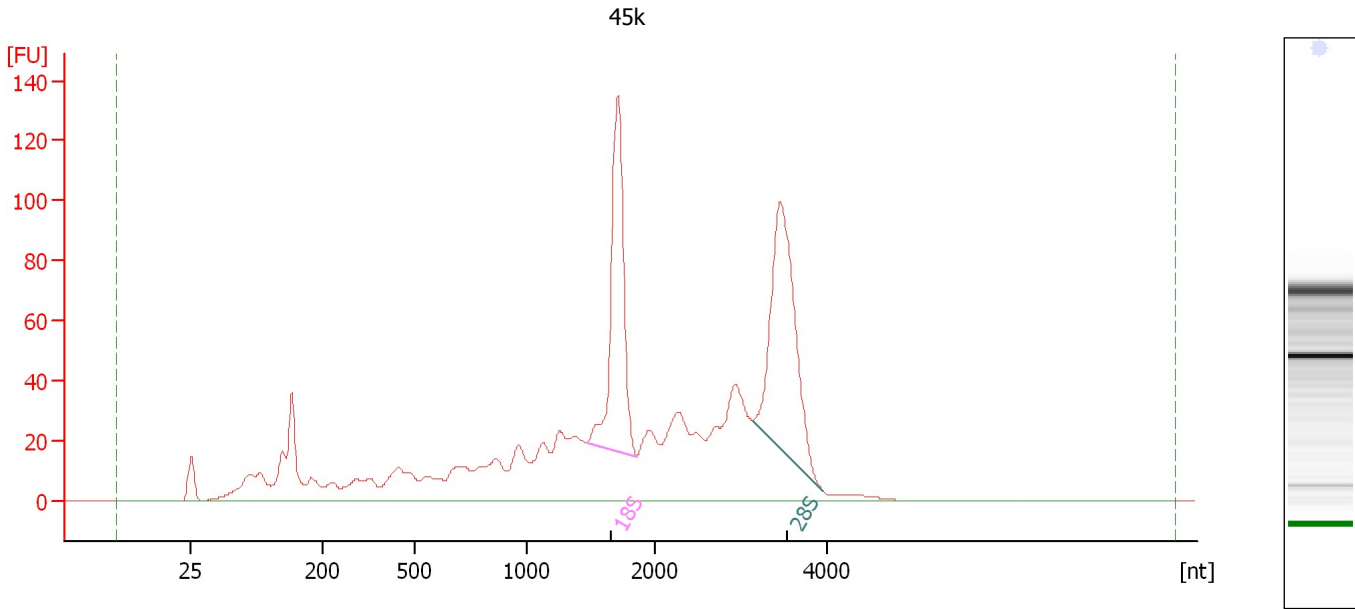
Fragment table for sample 9 : 71lu

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	838	1,146	6.3	0.8
28S	1,560	1,932	2.6	0.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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Electropherogram Summary Continued ...



Overall Results for sample 10 : 45k

RNA Area:	1,424.2	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	10,286 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.20

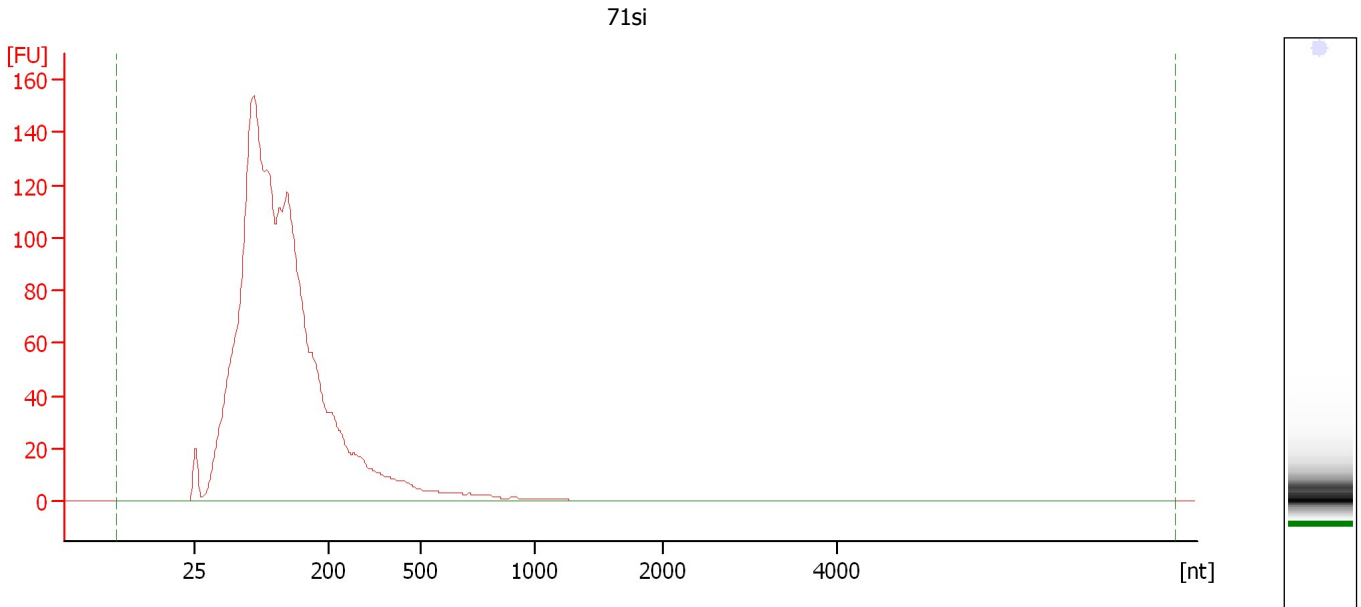
Fragment table for sample 10 : 45k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,462	1,854	184.2	12.9
28S	3,131	3,946	212.4	14.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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Electropherogram Summary Continued ...



Overall Results for sample 11 : 71si

RNA Area:	1,947.9	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	14,068 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\2017-08-22\2017-08-22_003.xad

Created: 8/22/2017 10:13:43 AM
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