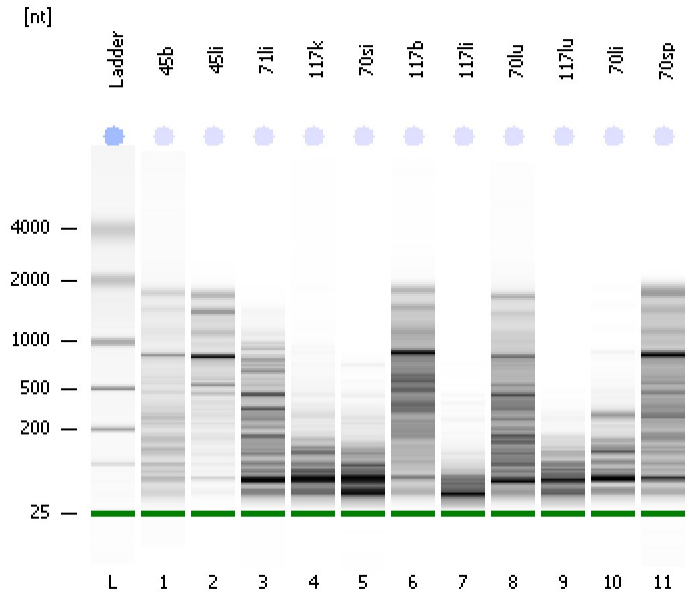


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electrophoresis File Run Summary



Instrument Information:

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

Assay Information:

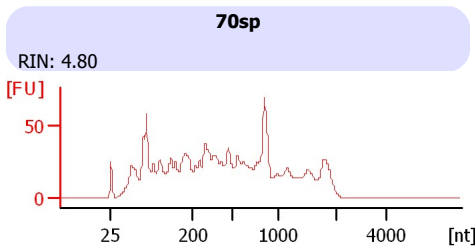
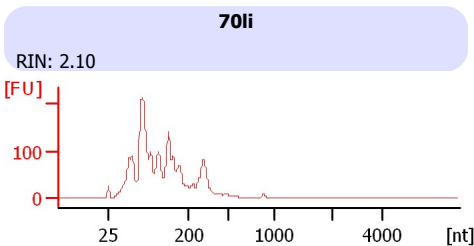
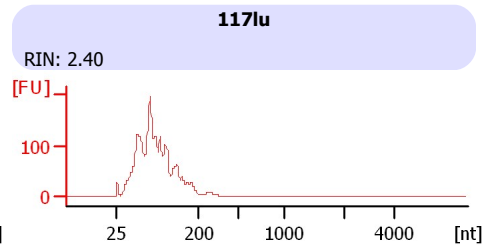
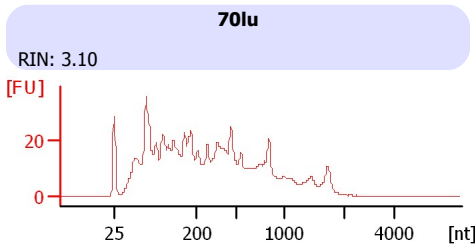
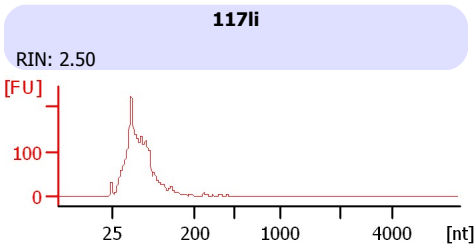
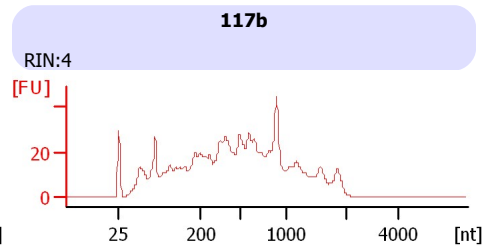
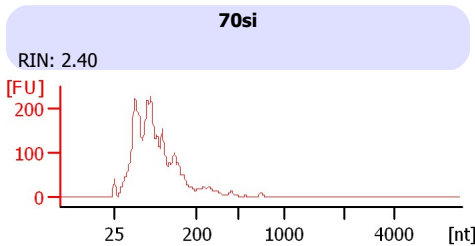
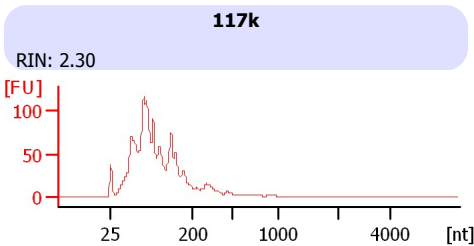
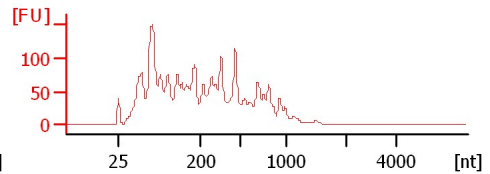
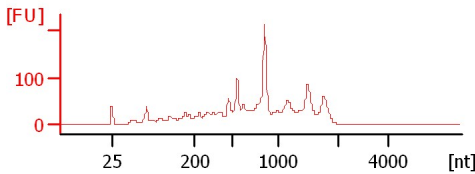
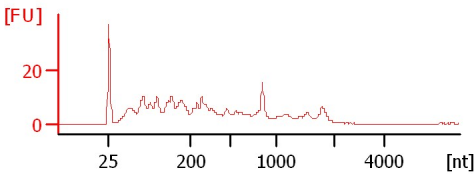
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

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:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
45b		✓	RIN: 5.70	
45li		✓	RIN:6	
71li		✓	RIN: 2.50	
117k		✓	RIN: 2.30	
70si		✓	RIN: 2.40	
117b		✓	RIN:4	
117li		✓	RIN: 2.50	
70lu		✓	RIN: 3.10	
117lu		✓	RIN: 2.40	
70li		✓	RIN: 2.10	
70sp		✓	RIN: 4.80	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 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

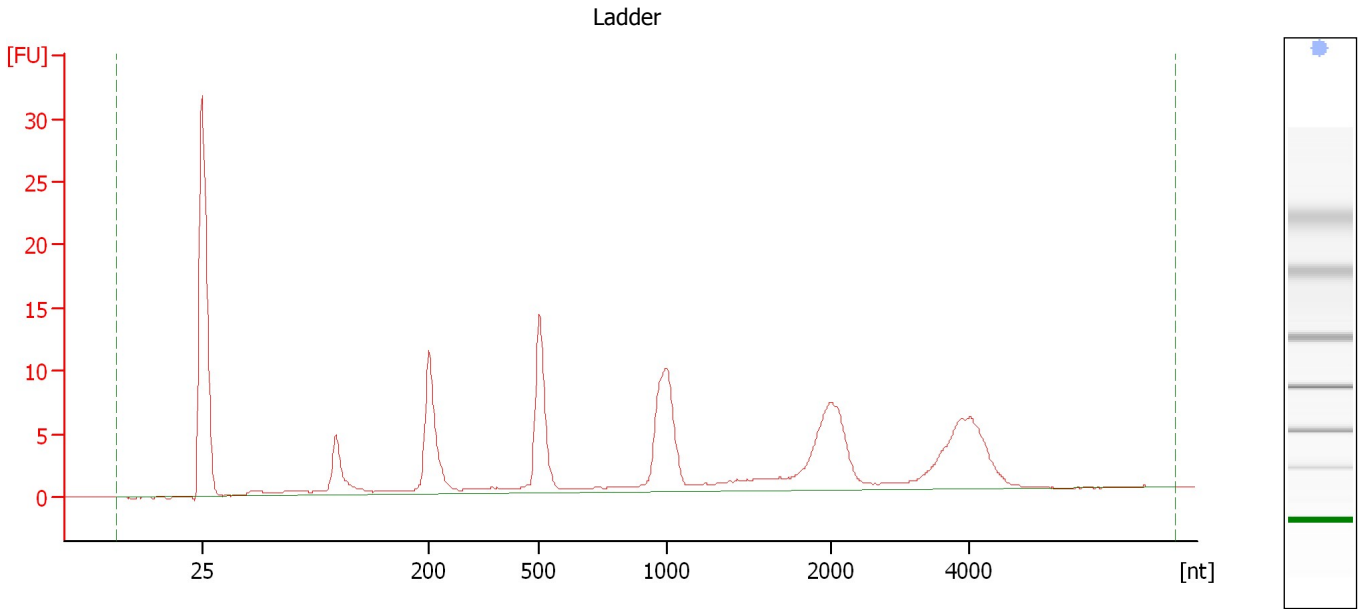
Ladder

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

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary



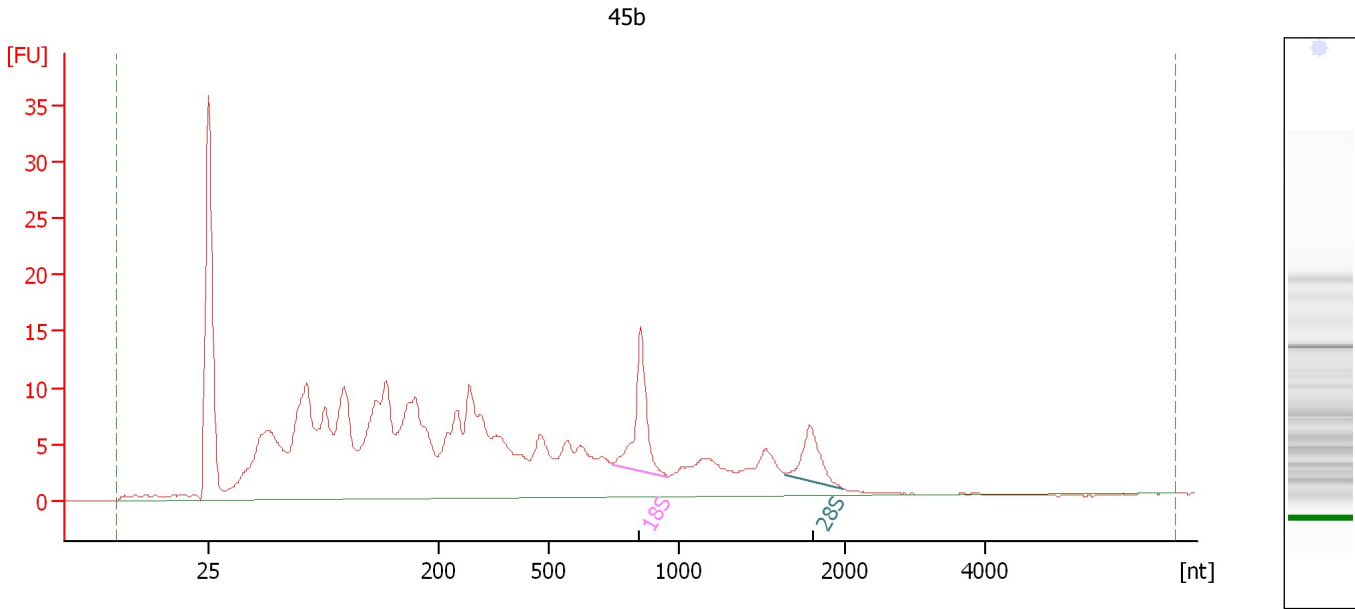
Overall Results for Ladder

RNA Area:	136.5	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 45b

RNA Area:	389.6	RNA Integrity Number (RIN):	5.7 (B.02.08)
RNA Concentration:	2,854 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 5.70

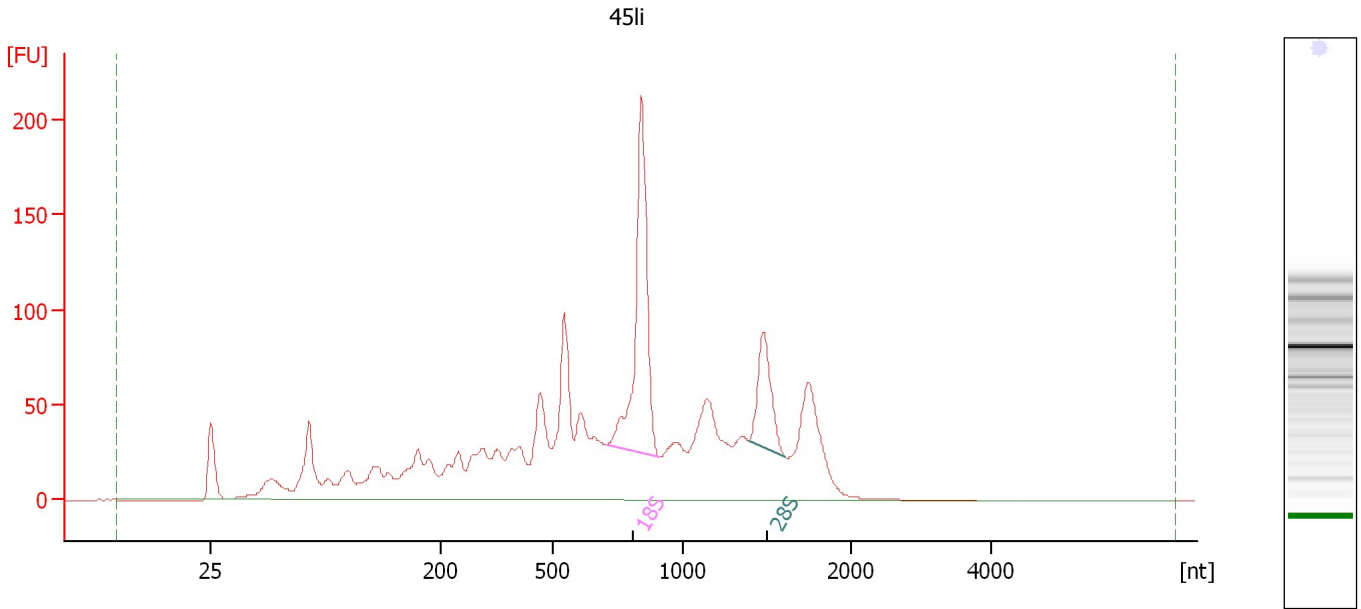
Fragment table for sample 1 : 45b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	744	956	16.6	4.3
28S	1,644	1,983	8.7	2.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 45li

RNA Area: 2,047.1 RNA Integrity Number (RIN): 6 (B.02.08)
RNA Concentration: 14,998 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN:6

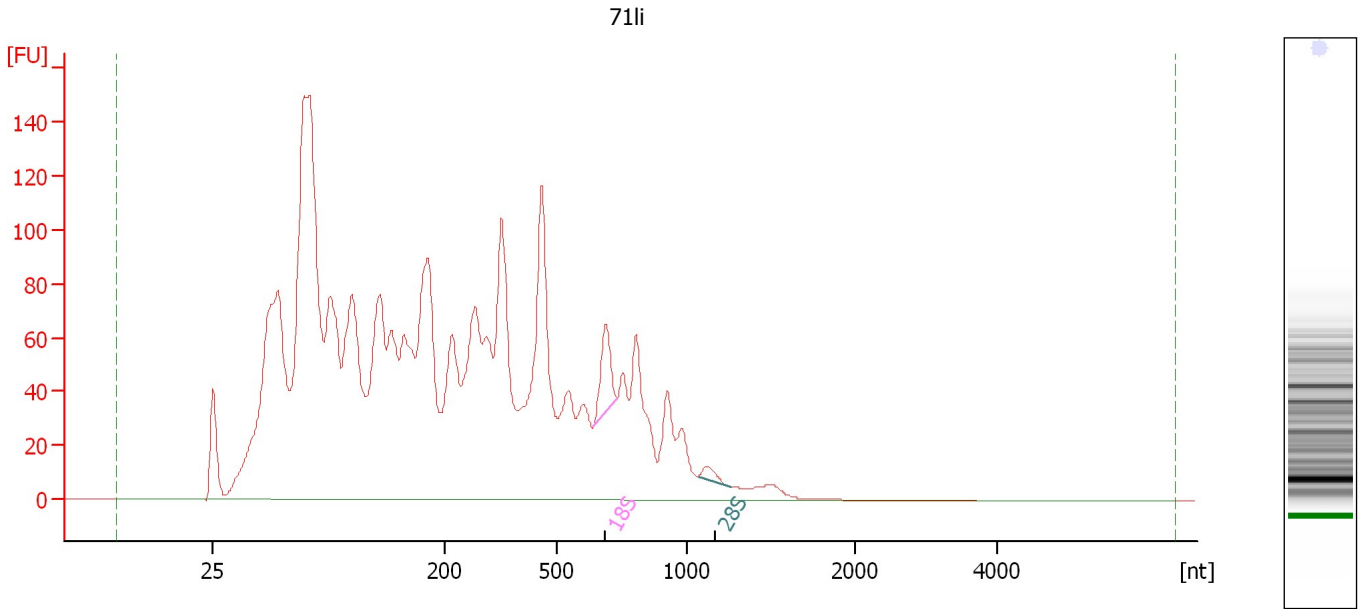
Fragment table for sample 2 : 45li

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	709	911	257.2	12.6
28S	1,393	1,616	87.6	4.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
 Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 71li

RNA Area:	3,427.0	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	25,108 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 2.50

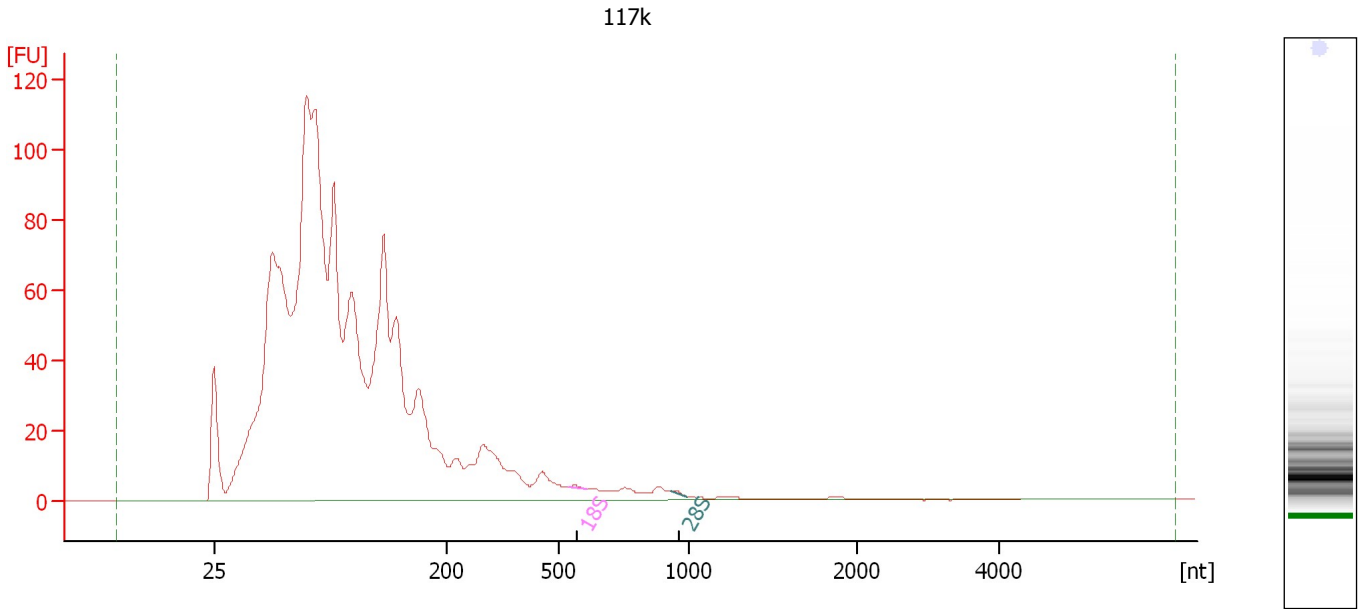
Fragment table for sample 3 : 71li

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	641	731	41.3	1.2
28S	1,068	1,259	7.3	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 117k

RNA Area:	1,819.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	13,329 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 2.30

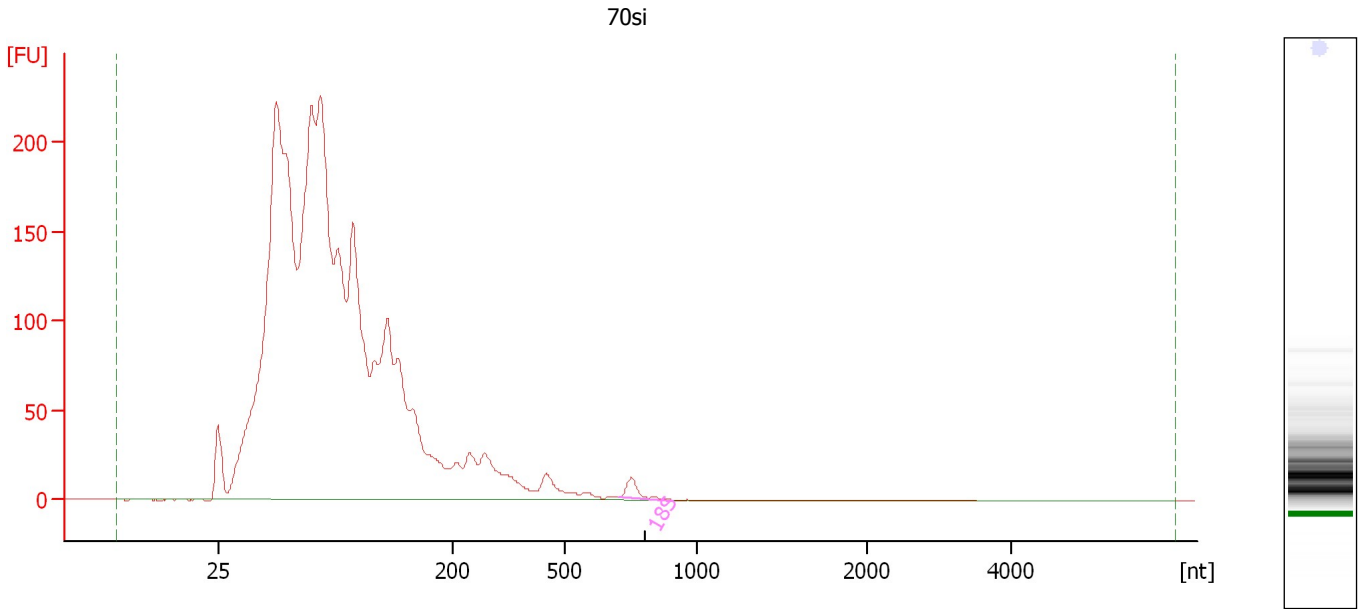
Fragment table for sample 4 : 117k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	535	605	0.6	0.0
28S	929	995	0.6	0.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 70si

RNA Area:	3,850.7	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	28,212 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

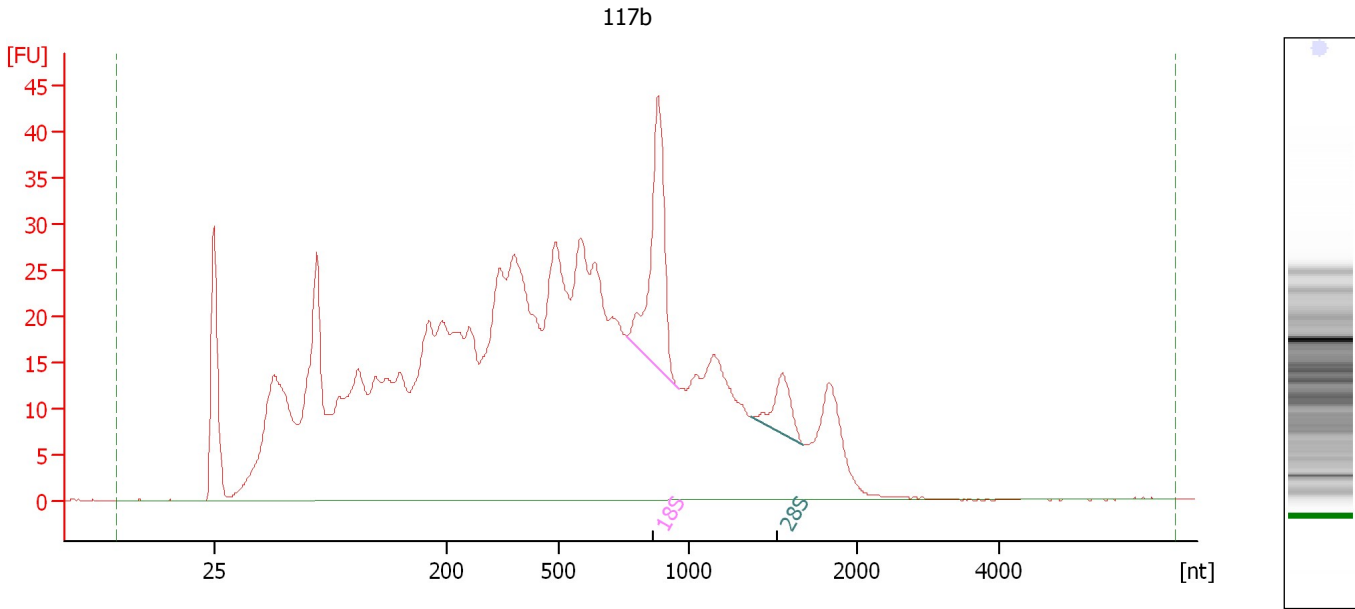
Fragment table for sample 5 : 70si

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	703	902	13.9	0.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 117b

RNA Area:	1,155.9	RNA Integrity Number (RIN):	4 (B.02.08)
RNA Concentration:	8,468 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN:4

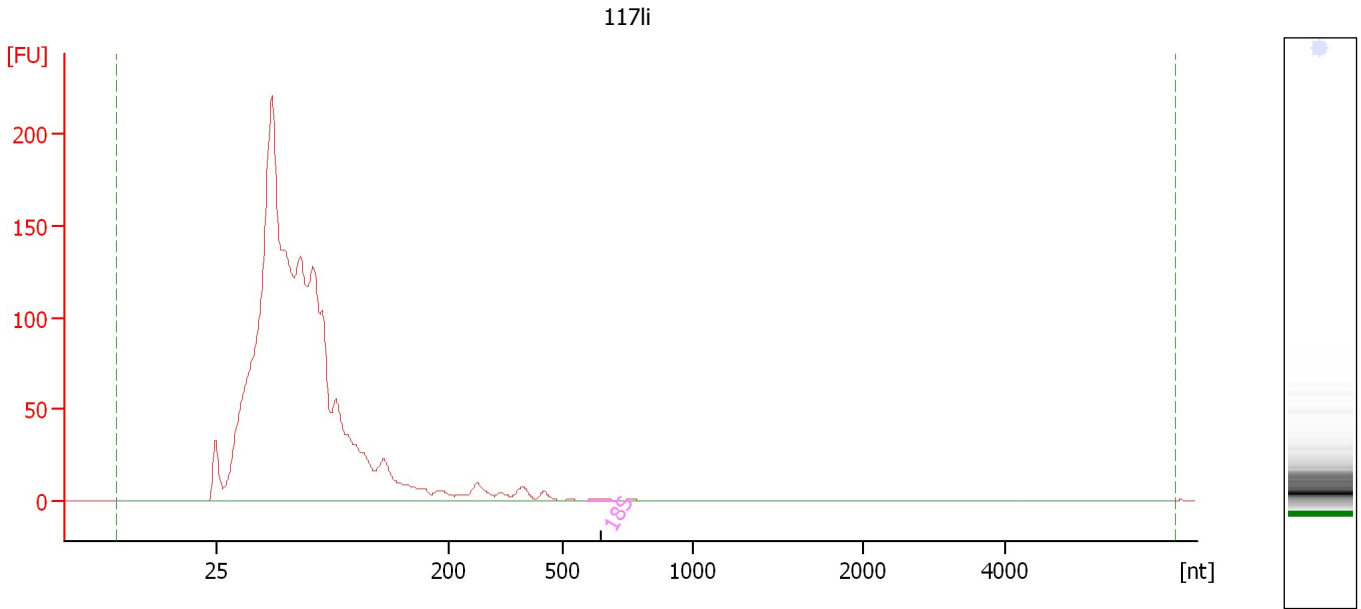
Fragment table for sample 6 : 117b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	765	962	47.1	4.1
28S	1,373	1,677	12.0	1.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 117li

RNA Area:	2,297.9	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	16,836 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

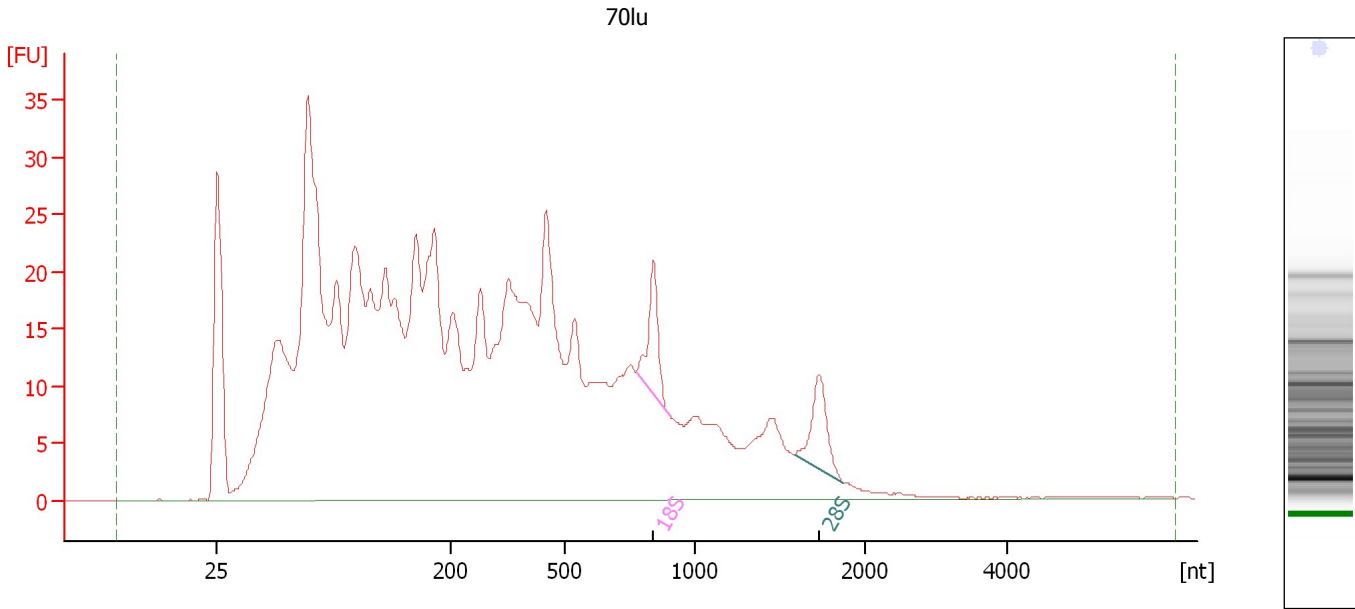
Fragment table for sample 7 : 117li

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	591	709	1.3	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 70lu

RNA Area:	990.0	RNA Integrity Number (RIN):	3.1 (B.02.08)
RNA Concentration:	7,253 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 3.10

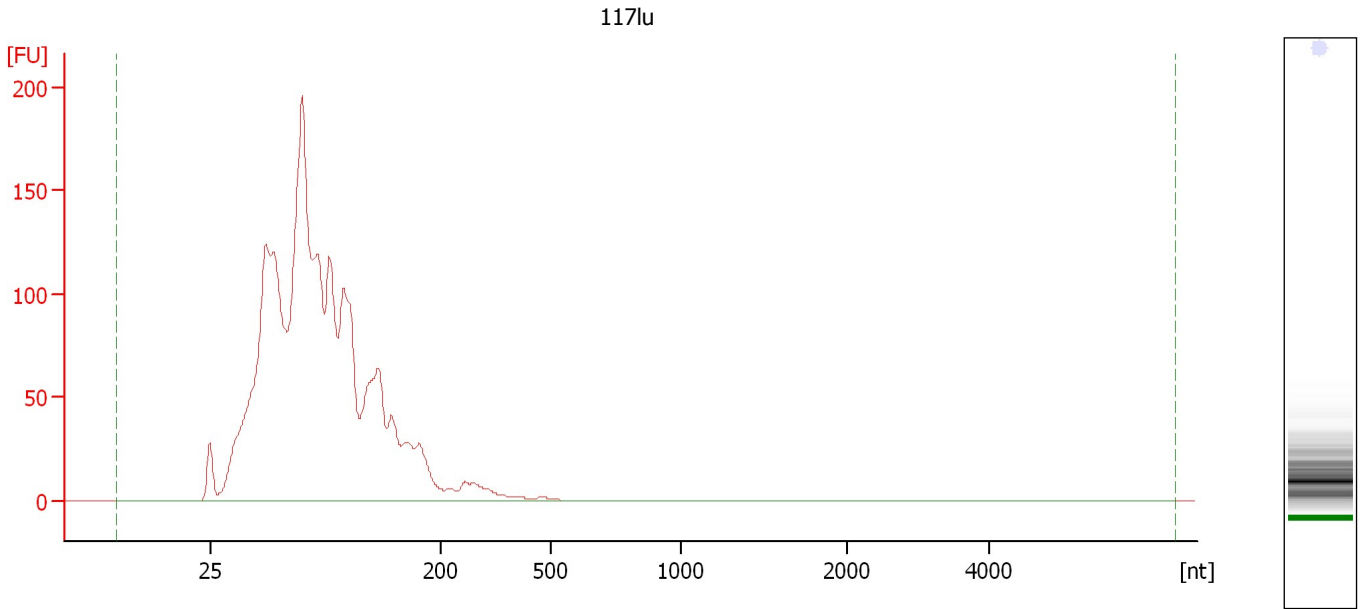
Fragment table for sample 8 : 70lu

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	775	906	14.0	1.4
28S	1,586	1,876	12.9	1.3

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



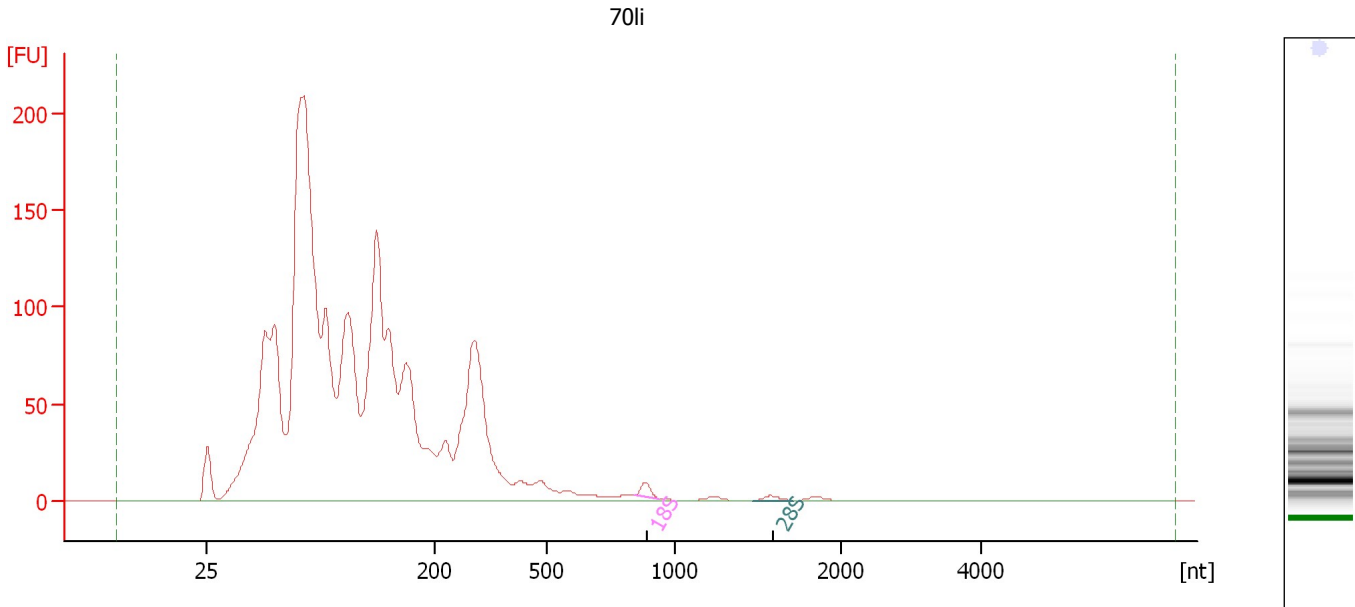
Overall Results for sample 9 : 117lu

RNA Area:	2,480.8	RNA Integrity Number (RIN):	2.4 (B.02.08)
RNA Concentration:	18,175 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.40

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 70li

RNA Area: 2,876.5 RNA Integrity Number (RIN): 2.1 (B.02.08)
RNA Concentration: 21,074 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 2.10

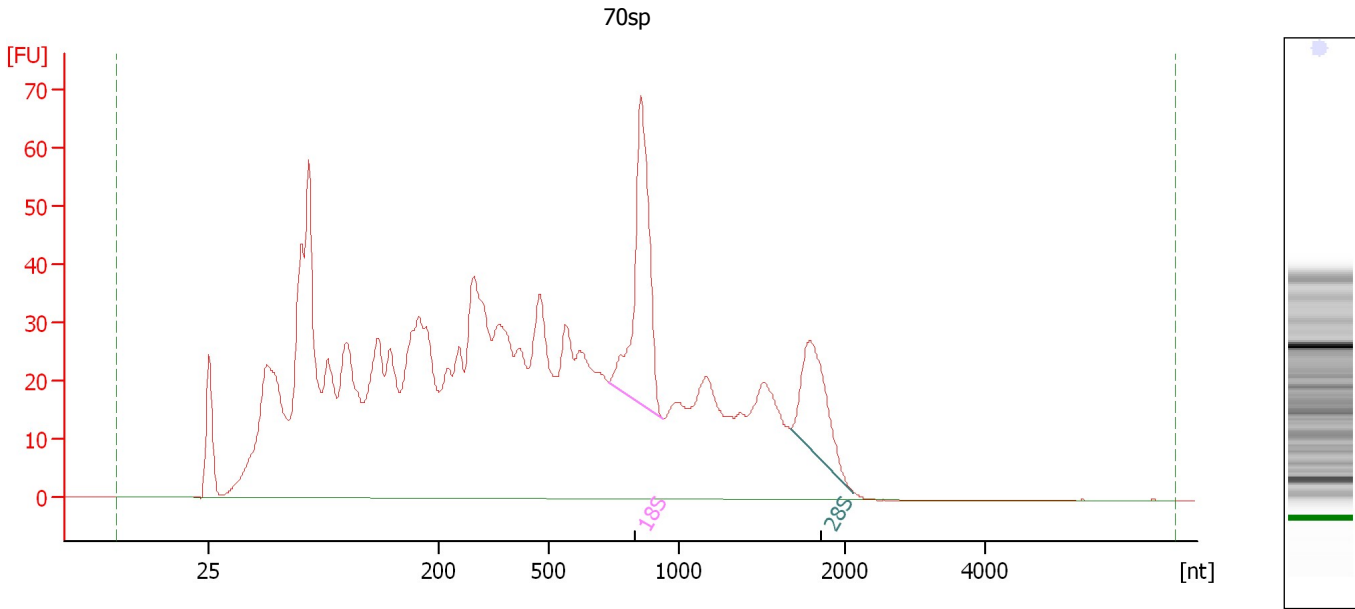
Fragment table for sample 10 : 70li

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	842	942	8.5	0.3
28S	1,478	1,716	3.7	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 70sp

RNA Area:	1,707.0	RNA Integrity Number (RIN):	4.8 (B.02.08)
RNA Concentration:	12,506 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.5	Result Flagging Label:	RIN: 4.80

Fragment table for sample 11 : 70sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	728	935	95.7	5.6
28S	1,669	2,113	48.7	2.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-24\2017-08-24_001.xad

Created: 8/24/2017 9:33:13 AM
Modified: 8/24/2017 9:56:11 AM

Gel Image

