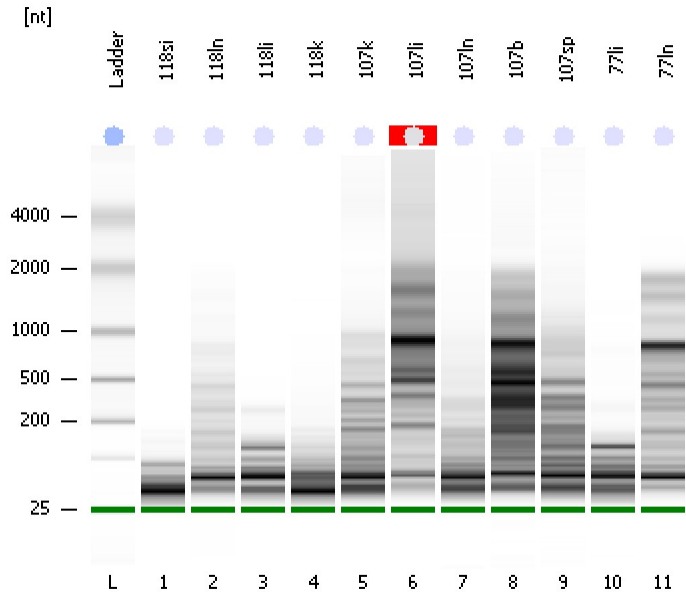


Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
 Modified: 8/25/2017 9:58:07 AM

Electrophoresis File Run Summary



Instrument Information:

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

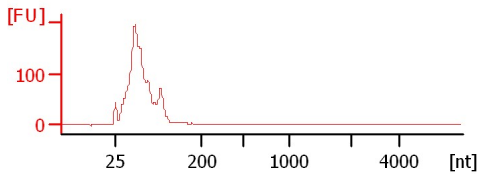
Assay Information:

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)
 © Copyright 2003 - 2009 Agilent Technologies, Inc.

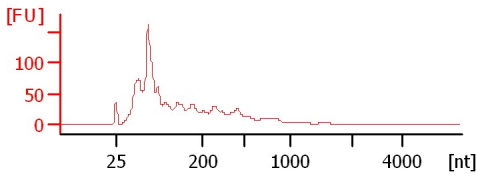
Chip Information:

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

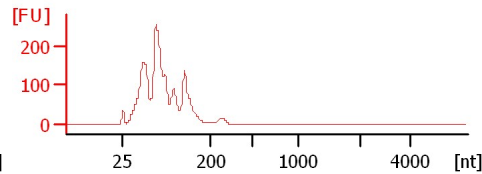
118si
 RIN: 2.60



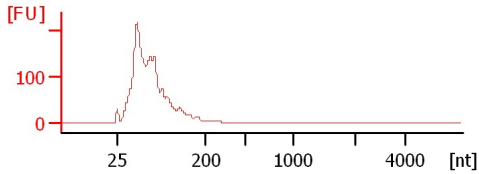
118ln
 RIN: 2.20



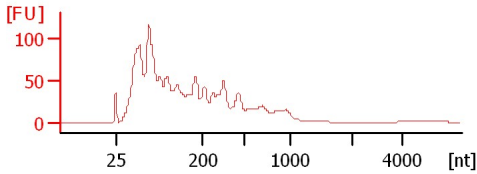
118li
 RIN: 2.30



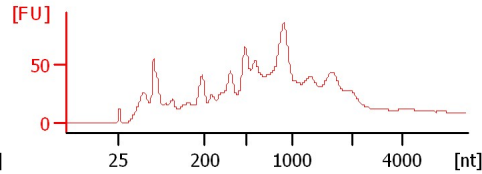
118k
 RIN: 2.50



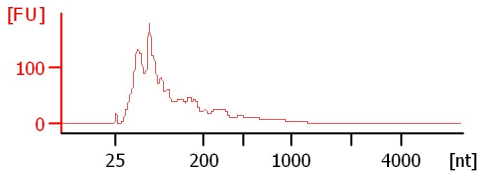
107k
 RIN: 2.30



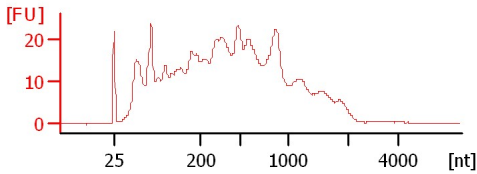
107li
 RIN N/A



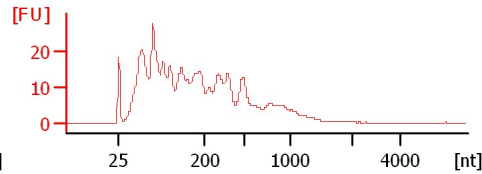
107ln
 RIN: 2.30



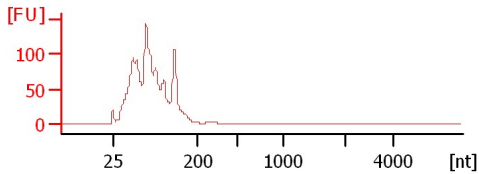
107b
 RIN: 3.20



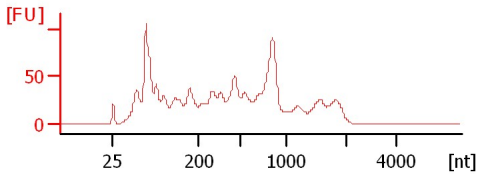
107sp
 RIN: 3



77li
 RIN: 2.30



77ln
 RIN: 5.30



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
 Modified: 8/25/2017 9:58:07 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
118si		✓	RIN: 2.60	
118ln		✓	RIN: 2.20	
118li		✓	RIN: 2.30	
118k		✓	RIN: 2.50	
107k		✓	RIN: 2.30	
107li		✓	RIN N/A	
107ln		✓	RIN: 2.30	
107b		✓	RIN: 3.20	
107sp		✓	RIN:3	
77li		✓	RIN: 2.30	
77ln		✓	RIN: 5.30	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 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/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 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

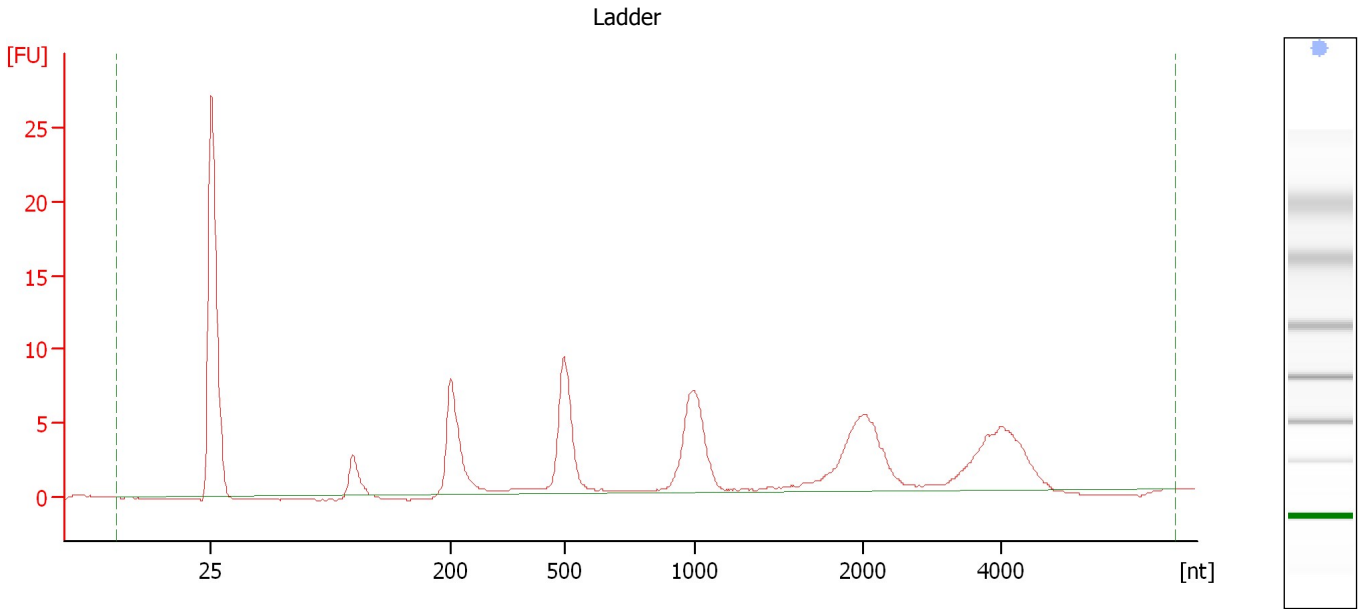
Ladder

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\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary



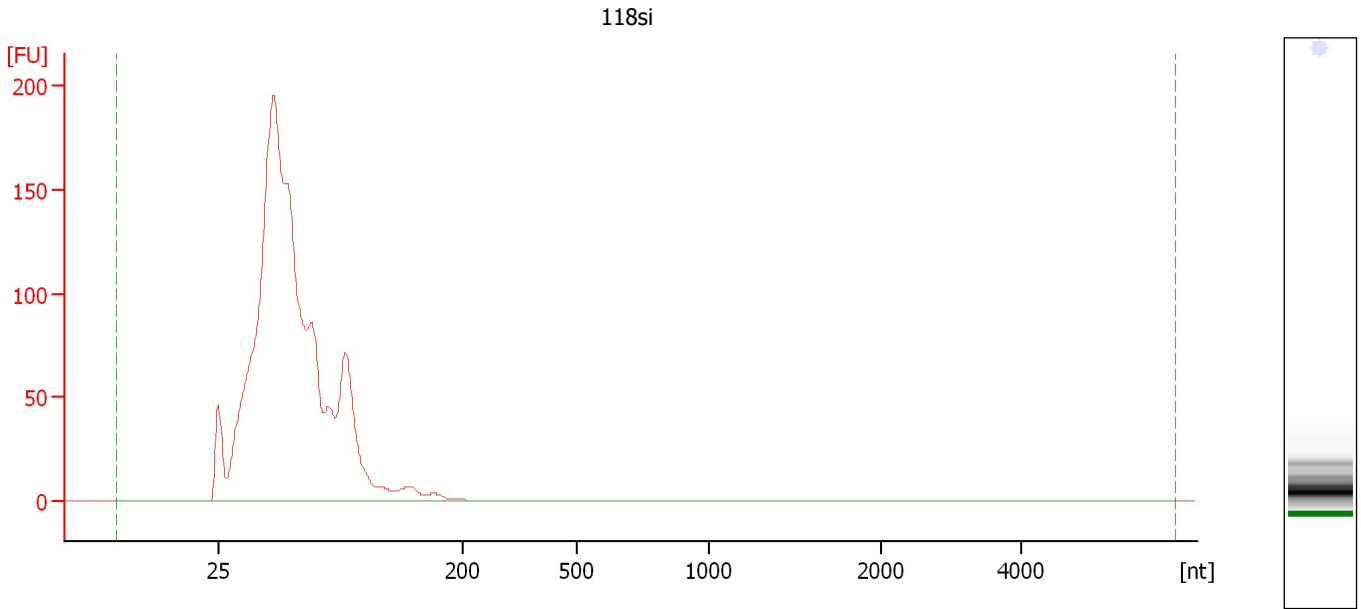
Overall Results for Ladder

RNA Area:	102.7	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\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



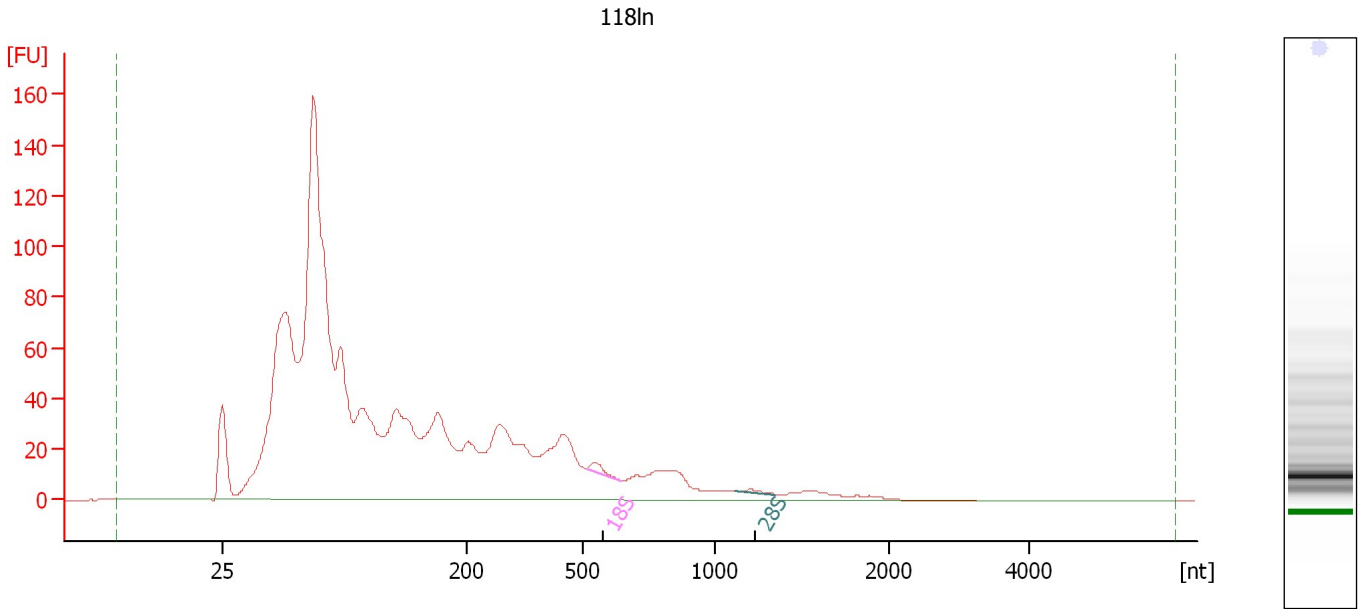
Overall Results for sample 1 : 118si

RNA Area:	1,972.9	RNA Integrity Number (RIN):	2.6 (B.02.08)
RNA Concentration:	19,214 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\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 118ln

RNA Area:	2,013.2	RNA Integrity Number (RIN):	2.2 (B.02.08)
RNA Concentration:	19,607 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 2.20

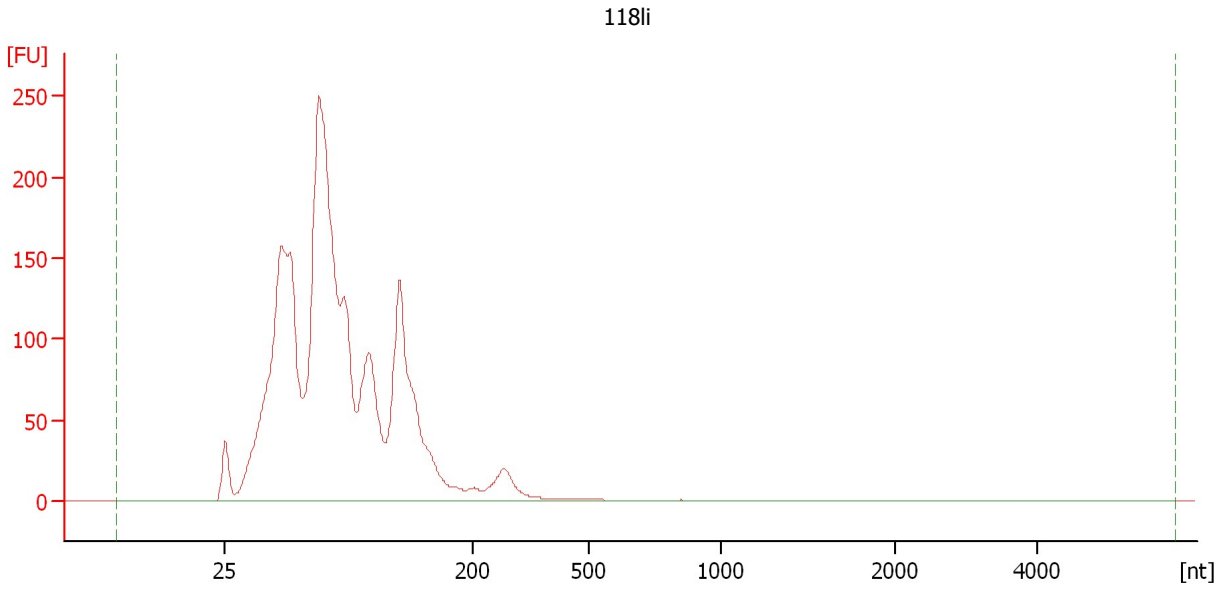
Fragment table for sample 2 : 118ln

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	512	641	5.7	0.3
28S	1,114	1,342	2.1	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



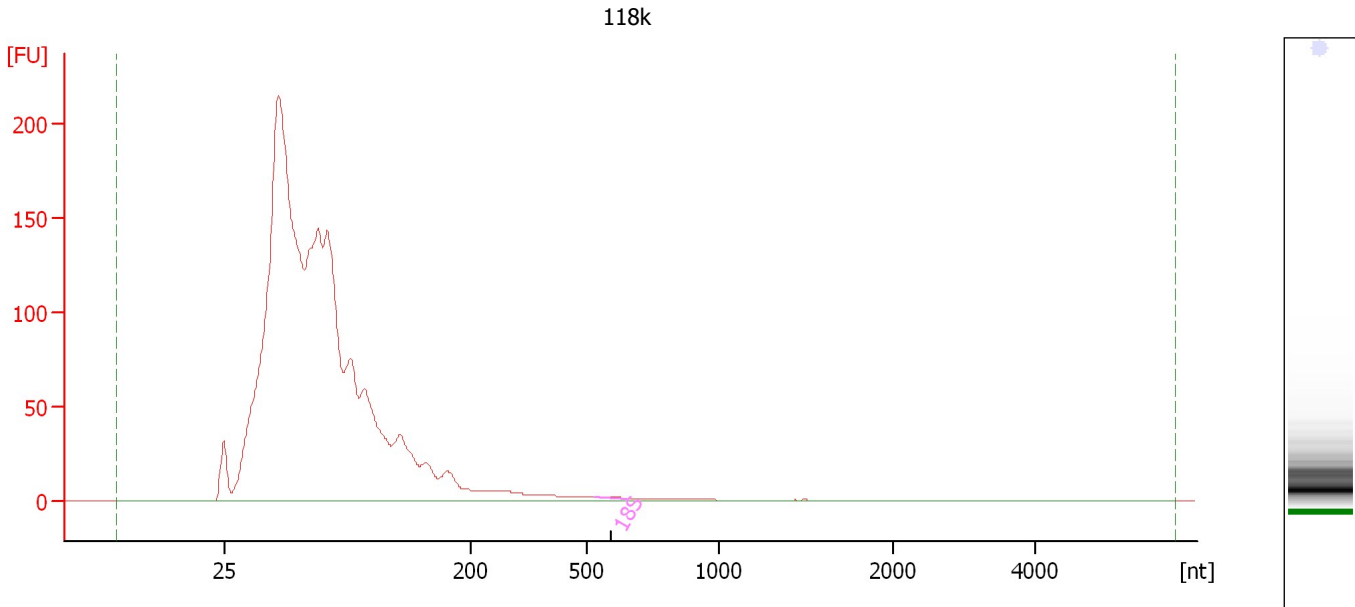
Overall Results for sample 3 : 118li

RNA Area:	3,006.2	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	29,278 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 118k

RNA Area:	2,748.5	RNA Integrity Number (RIN):	2.5 (B.02.08)
RNA Concentration:	26,768 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.50

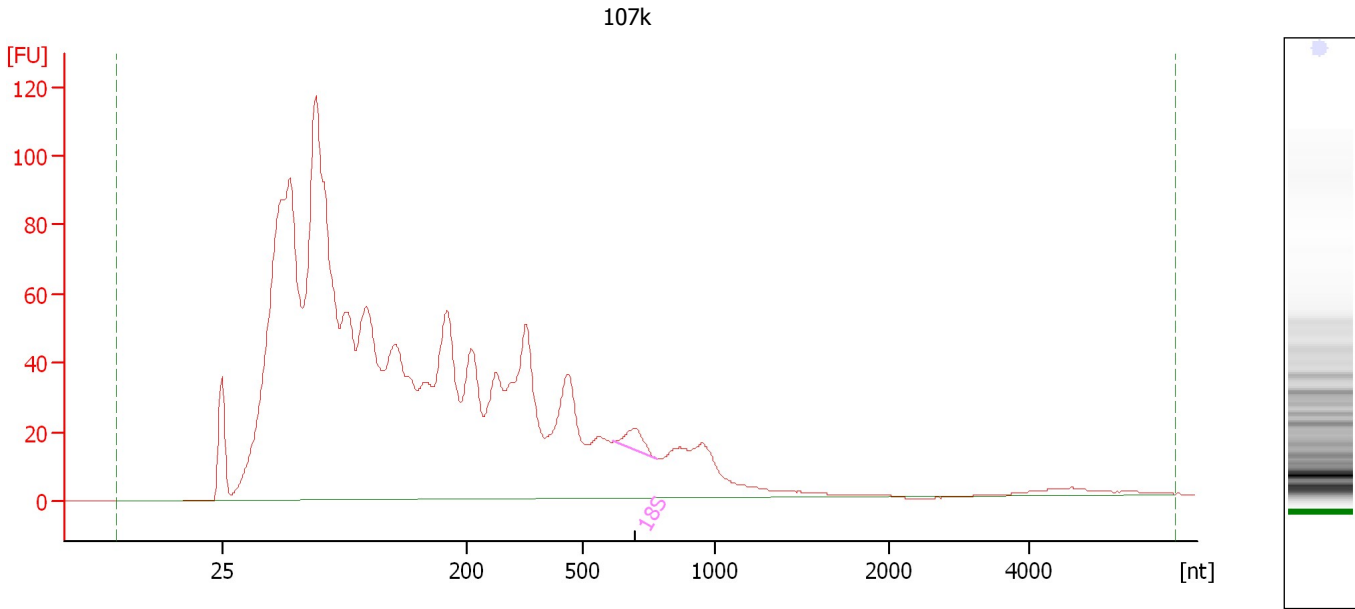
Fragment table for sample 4 : 118k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	531	655	1.7	0.1

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 107k

RNA Area:	2,474.9	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	24,103 pg/ μ l	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

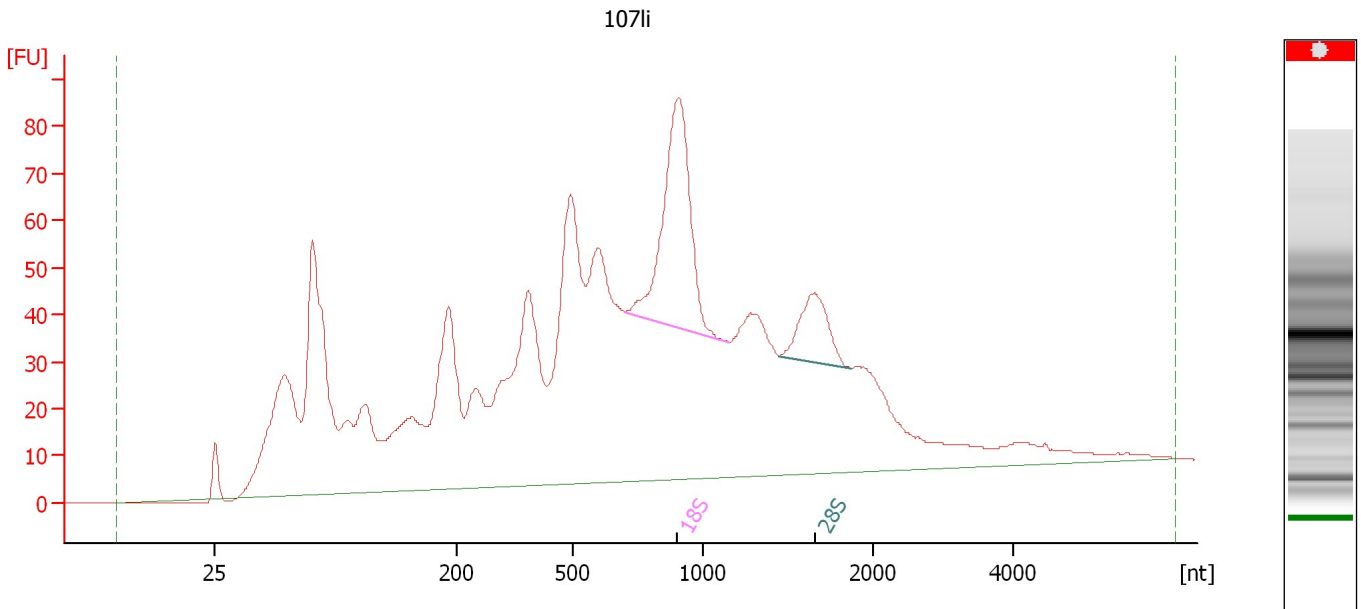
Fragment table for sample 5 : 107k

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	617	779	13.8	0.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
 Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 107li

RNA Area:	2,252.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	21,935 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN N/A

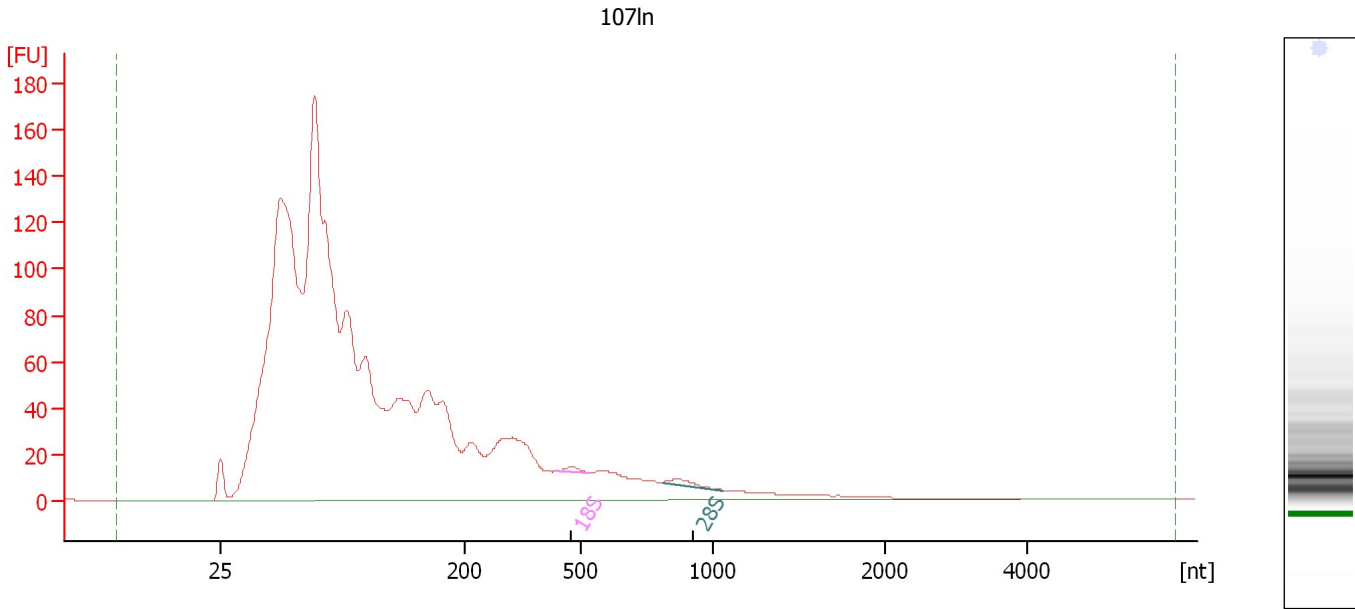
Fragment table for sample 6 : 107li

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	705	1,151	154.9	6.9
28S	1,450	1,868	43.0	1.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 107In

RNA Area: 2,803.9 RNA Integrity Number (RIN): 2.3 (B.02.08)
RNA Concentration: 27,307 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.5 Result Flagging Label: RIN: 2.30

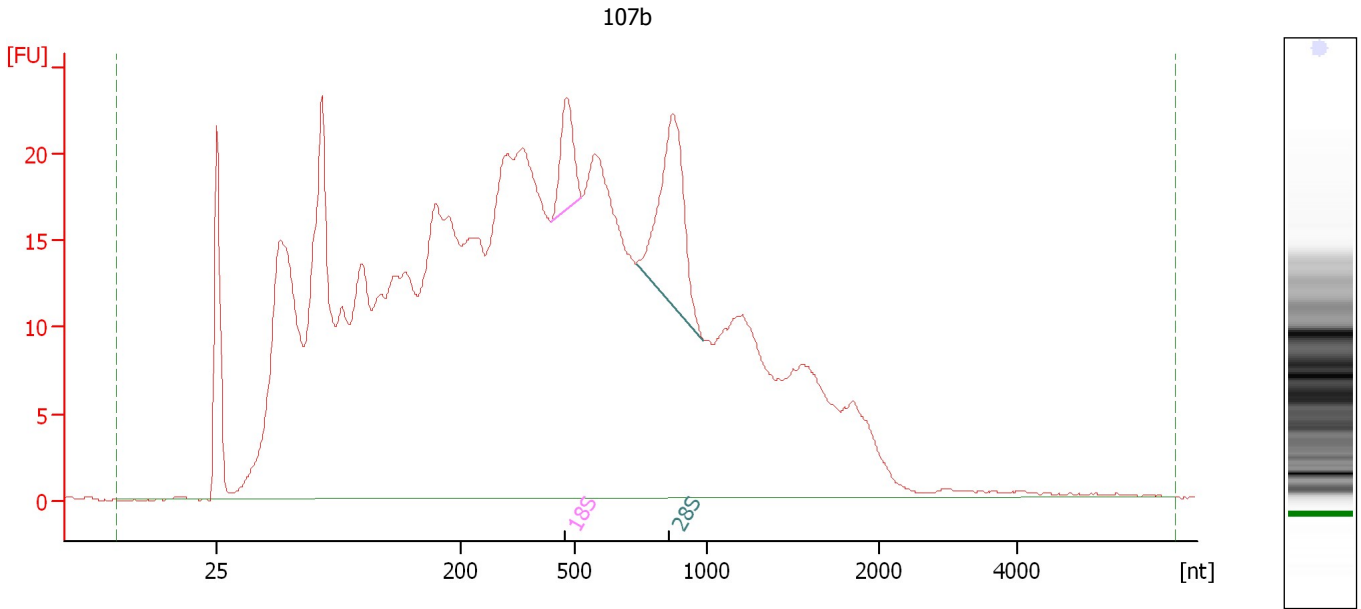
Fragment table for sample 7 : 107In

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	432	527	4.0	0.1
28S	807	1,058	5.9	0.2

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
 Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 107b

RNA Area:	994.6	RNA Integrity Number (RIN):	3.2 (B.02.08)
RNA Concentration:	9,687 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.9	Result Flagging Label:	RIN: 3.20

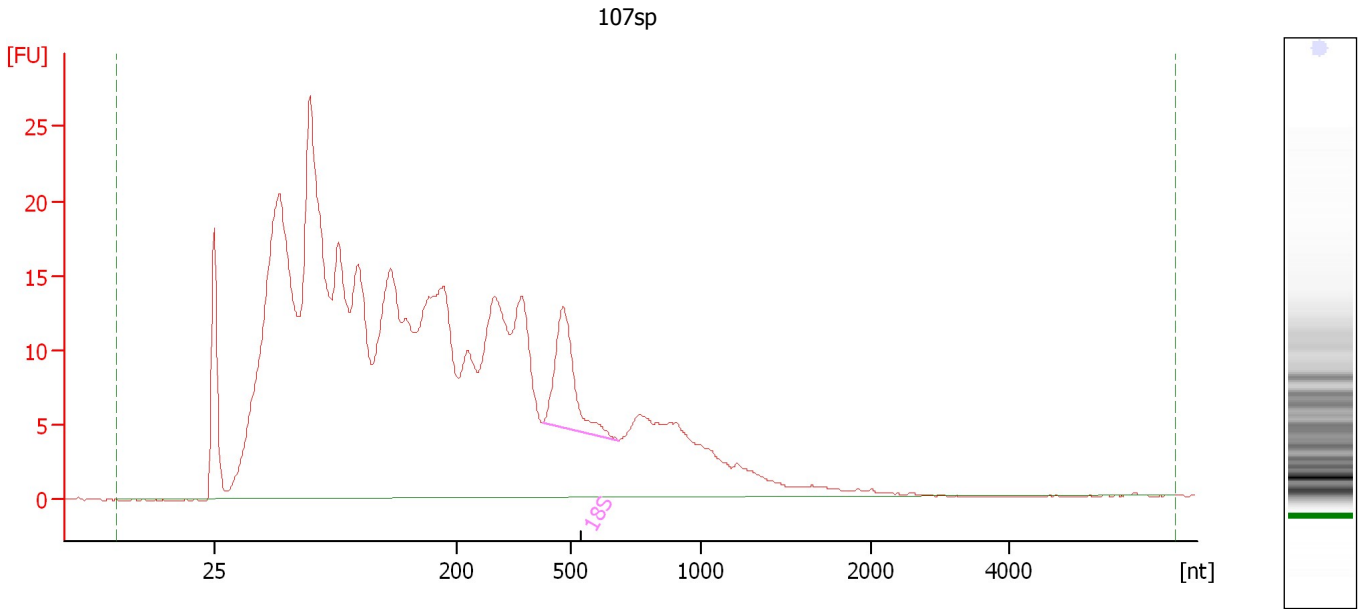
Fragment table for sample 8 : 107b

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	435	523	10.9	1.1
28S	731	989	31.8	3.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 107sp

RNA Area:	689.0	RNA Integrity Number (RIN):	3 (B.02.08)
RNA Concentration:	6,710 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN:3

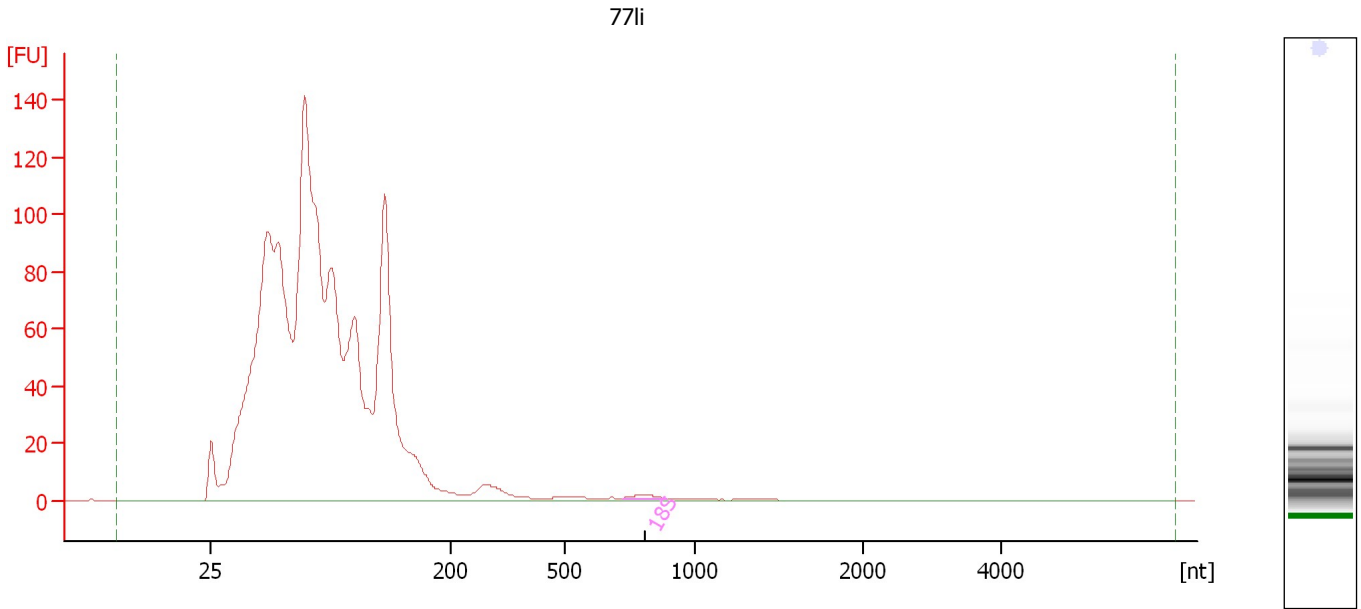
Fragment table for sample 9 : 107sp

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	426	684	20.5	3.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 77li

RNA Area:	1,980.6	RNA Integrity Number (RIN):	2.3 (B.02.08)
RNA Concentration:	19,289 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.30

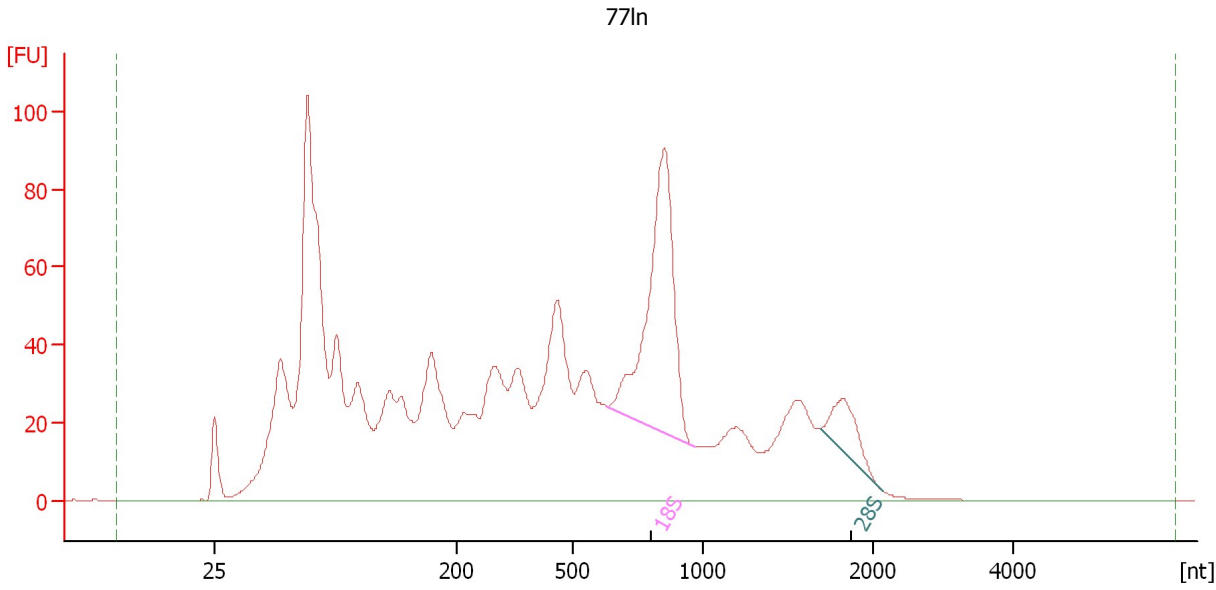
Fragment table for sample 10 : 77li

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	727	892	3.3	0.2

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 77In

RNA Area:	2,251.4	RNA Integrity Number (RIN):	5.3 (B.02.08)
RNA Concentration:	21,927 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.2	Result Flagging Label:	RIN: 5.30

Fragment table for sample 11 : 77In

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	636	968	222.6	9.9
28S	1,687	2,121	35.0	1.6

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-25\2017-08-25_001.xad

Created: 8/25/2017 9:37:59 AM
Modified: 8/25/2017 9:58:07 AM

Gel Image

