

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2017-08-21\2017-08-21_002.xad

Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 4:49:00 PM

Electrophoresis File Run Summary

Instrument Information:

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

Assay Information:

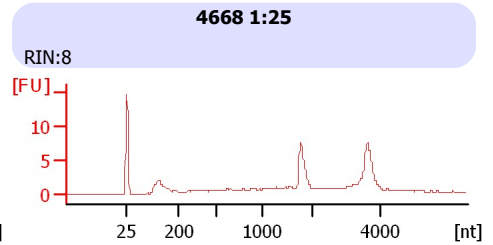
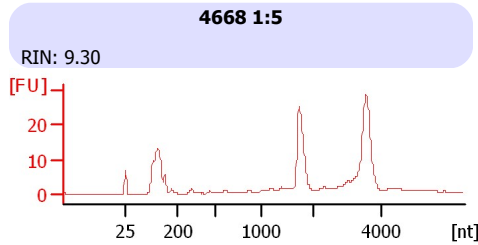
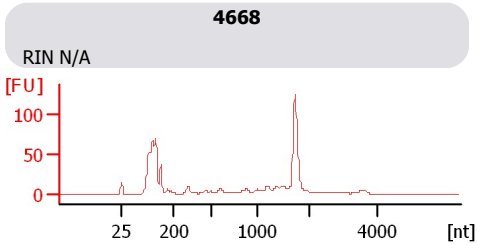
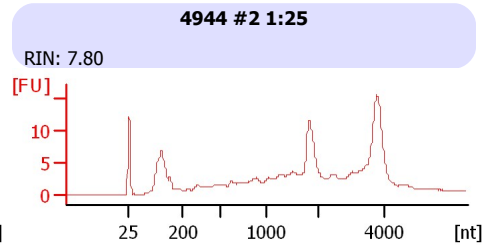
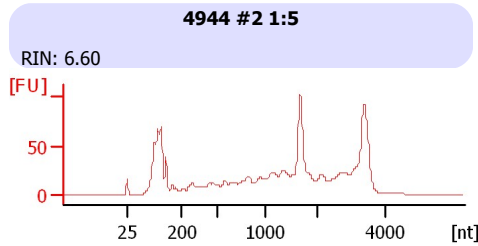
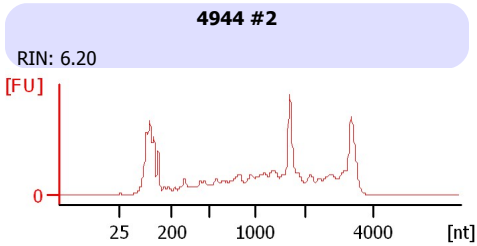
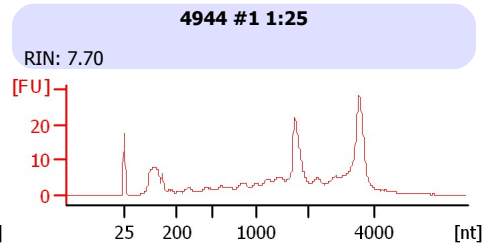
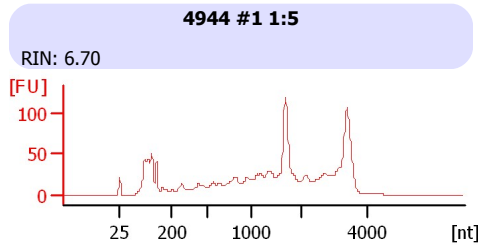
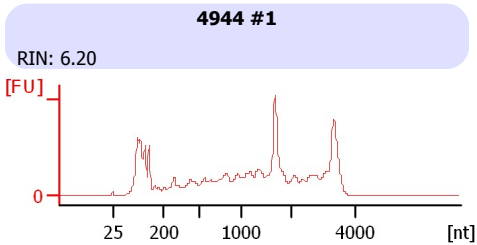
Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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Chip Information:

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



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Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
4944 #1		✓	RIN: 6.20	
4944 #1 1:5		✓	RIN: 6.70	
4944 #1 1:25		✓	RIN: 7.70	
4944 #2		✓	RIN: 6.20	
4944 #2 1:5		✓	RIN: 6.60	
4944 #2 1:25		✓	RIN: 7.80	
4668		✓	RIN N/A	
4668 1:5		✓	RIN: 9.30	
4668 1:25		✓	RIN:8	
Sample 10				
Sample 11				
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

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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

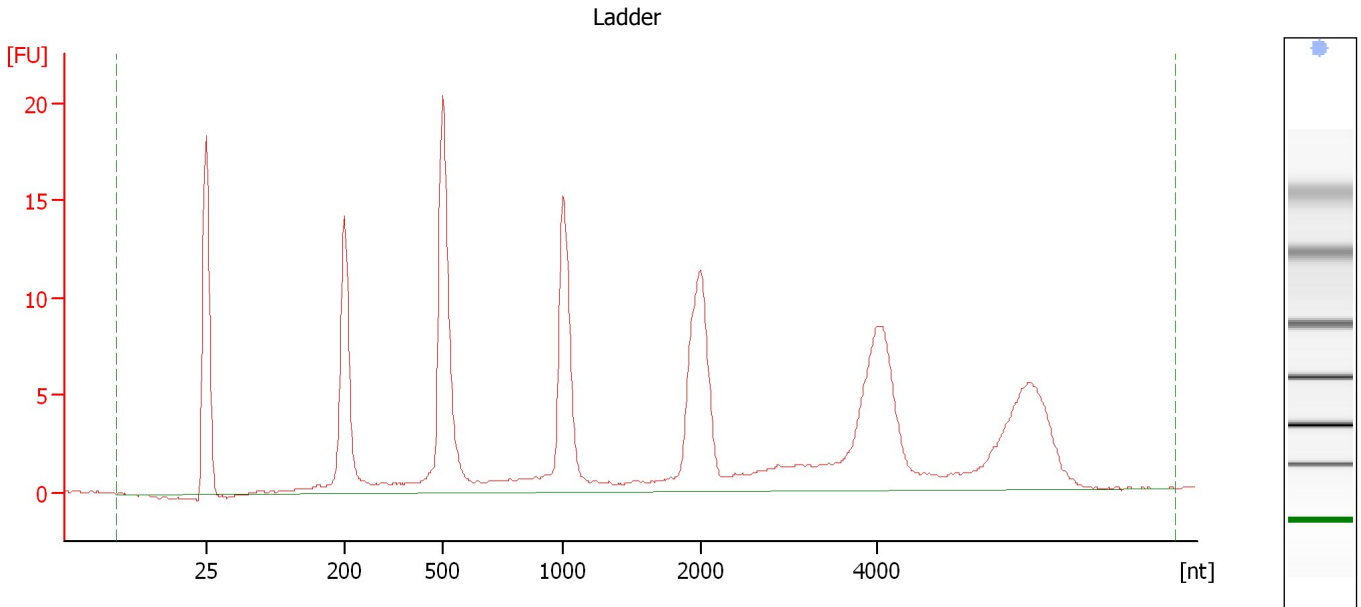
Ladder

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

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Electropherogram Summary



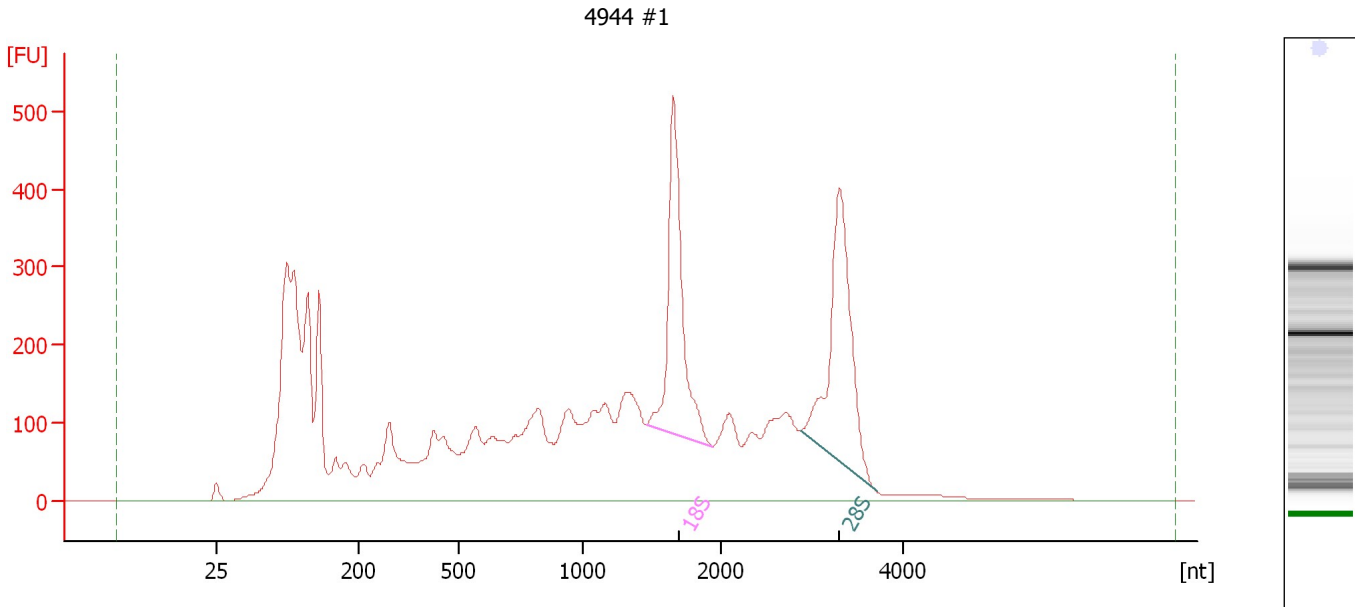
Overall Results for Ladder

RNA Area:	186.8	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

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Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 4944 #1

RNA Area:	8,251.9	RNA Integrity Number (RIN):	6.2 (B.02.08)
RNA Concentration:	44,167 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 6.20

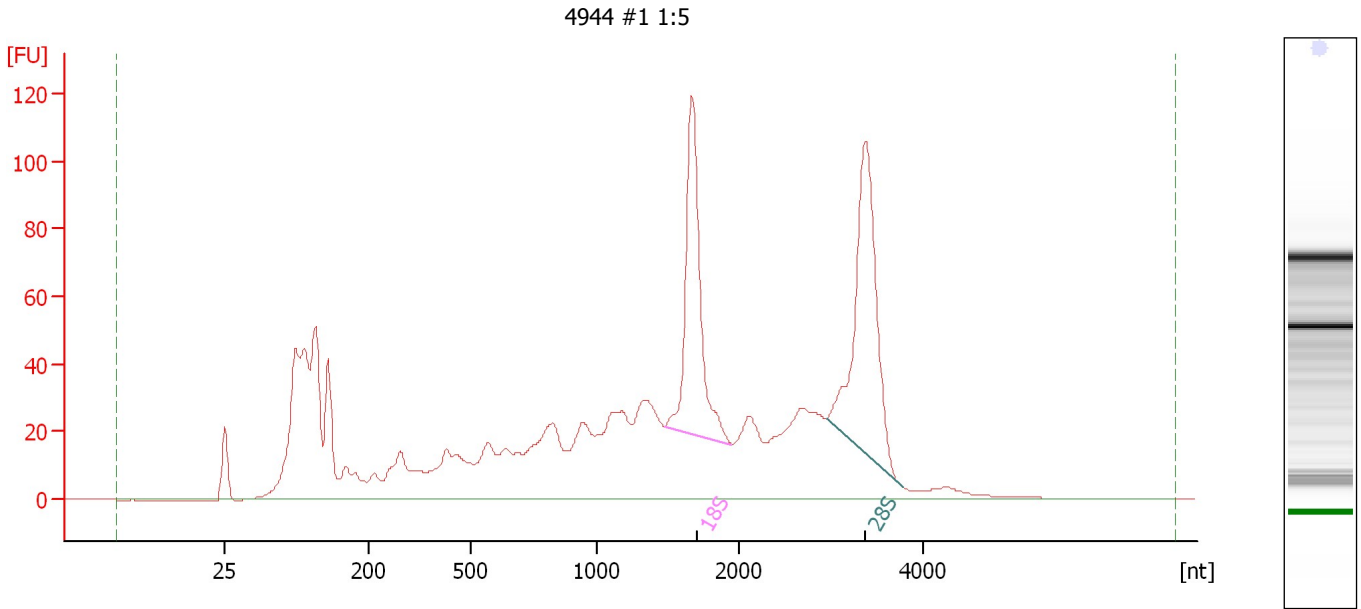
Fragment table for sample 1 : 4944 #1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,458	1,932	689.4	8.4
28S	2,875	3,713	739.2	9.0

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Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 4944 #1 1:5

RNA Area: 1,682.1 RNA Integrity Number (RIN): 6.7 (B.02.08)
RNA Concentration: 9,003 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 6.70

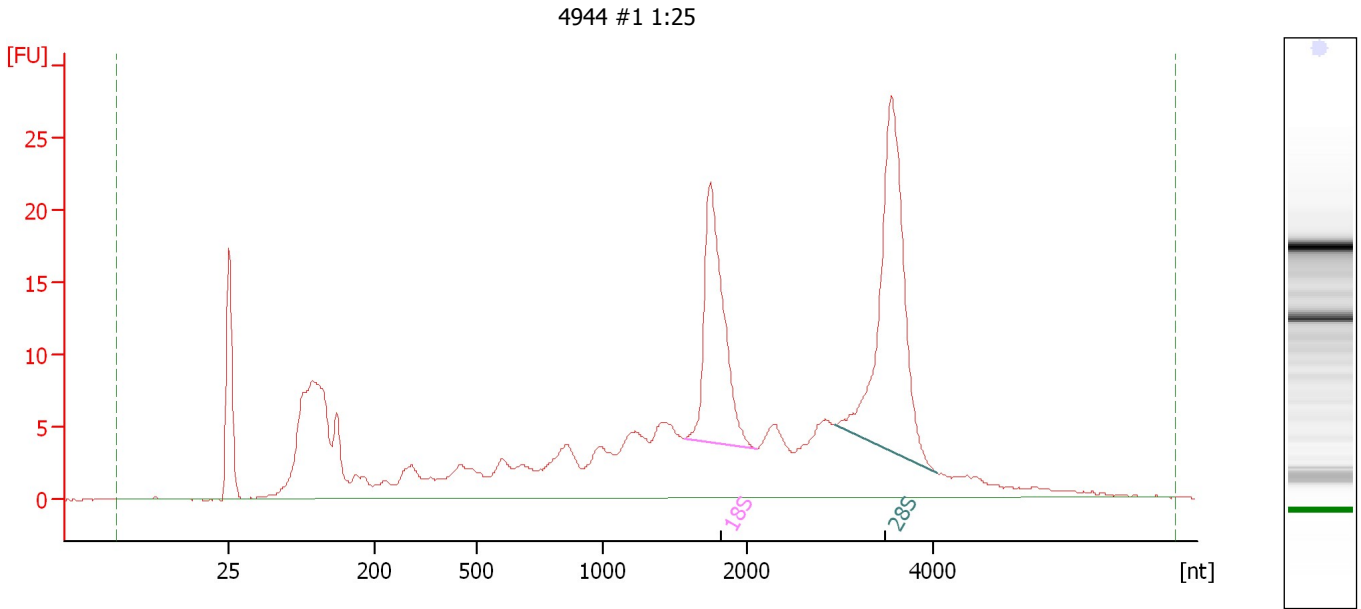
Fragment table for sample 2 : 4944 #1 1:5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,476	1,950	164.0	9.8
28S	2,956	3,780	194.5	11.6

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Created: 8/21/2017 4:29:31 PM
 Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 4944 #1 1:25

RNA Area:	347.6	RNA Integrity Number (RIN):	7.7 (B.02.08)
RNA Concentration:	1,860 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 7.70

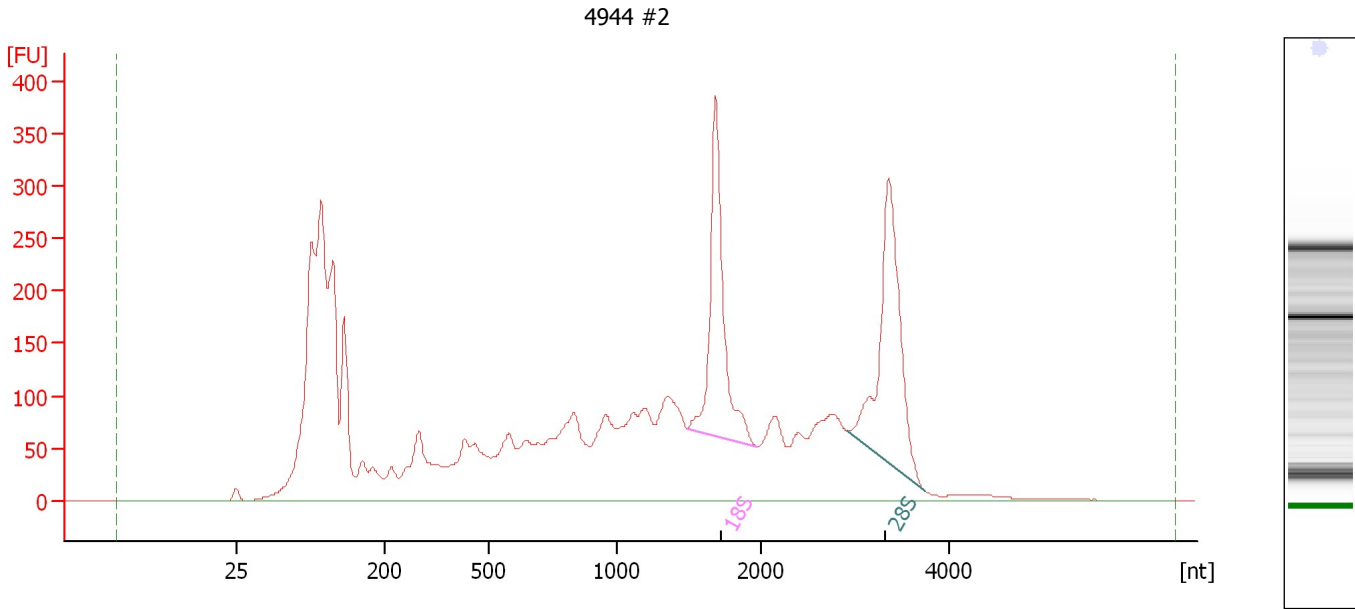
Fragment table for sample 3 : 4944 #1 1:25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,563	2,097	38.7	11.1
28S	2,949	4,054	57.3	16.5

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Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 4944 #2

RNA Area: 6,056.6 RNA Integrity Number (RIN): 6.2 (B.02.08)
RNA Concentration: 32,417 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 6.20

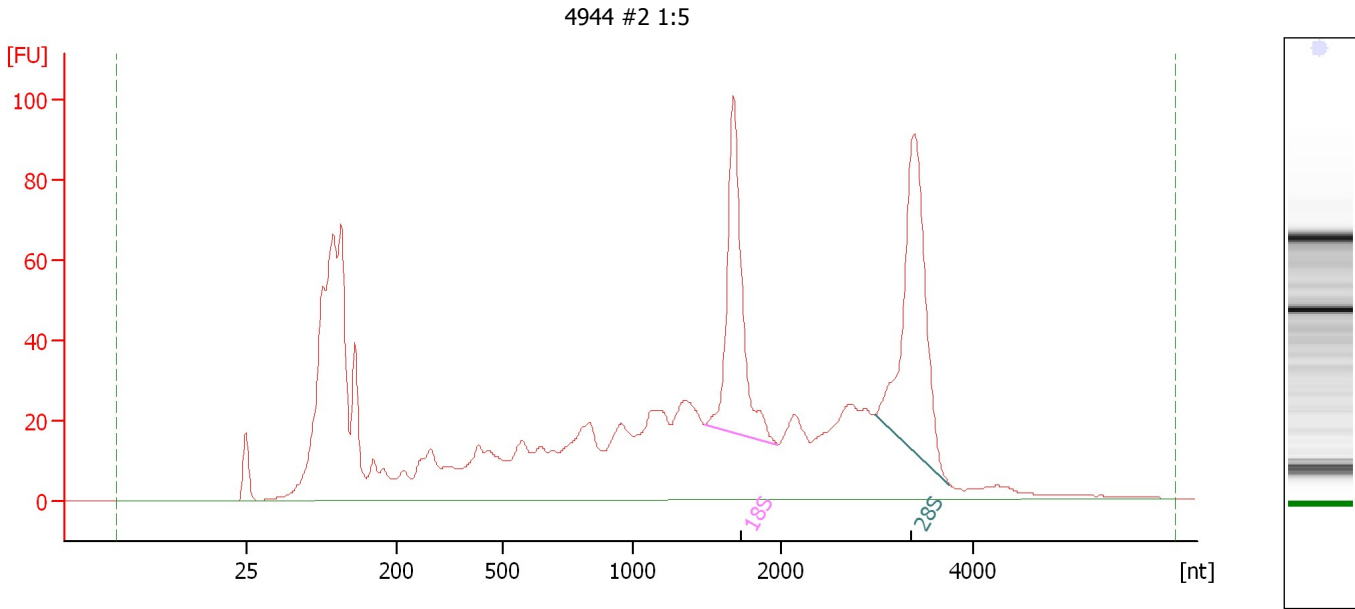
Fragment table for sample 4 : 4944 #2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,489	1,967	476.3	7.9
28S	2,915	3,743	534.6	8.8

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Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 4944 #2 1:5

RNA Area: 1,573.2 RNA Integrity Number (RIN): 6.6 (B.02.08)
RNA Concentration: 8,420 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN: 6.60

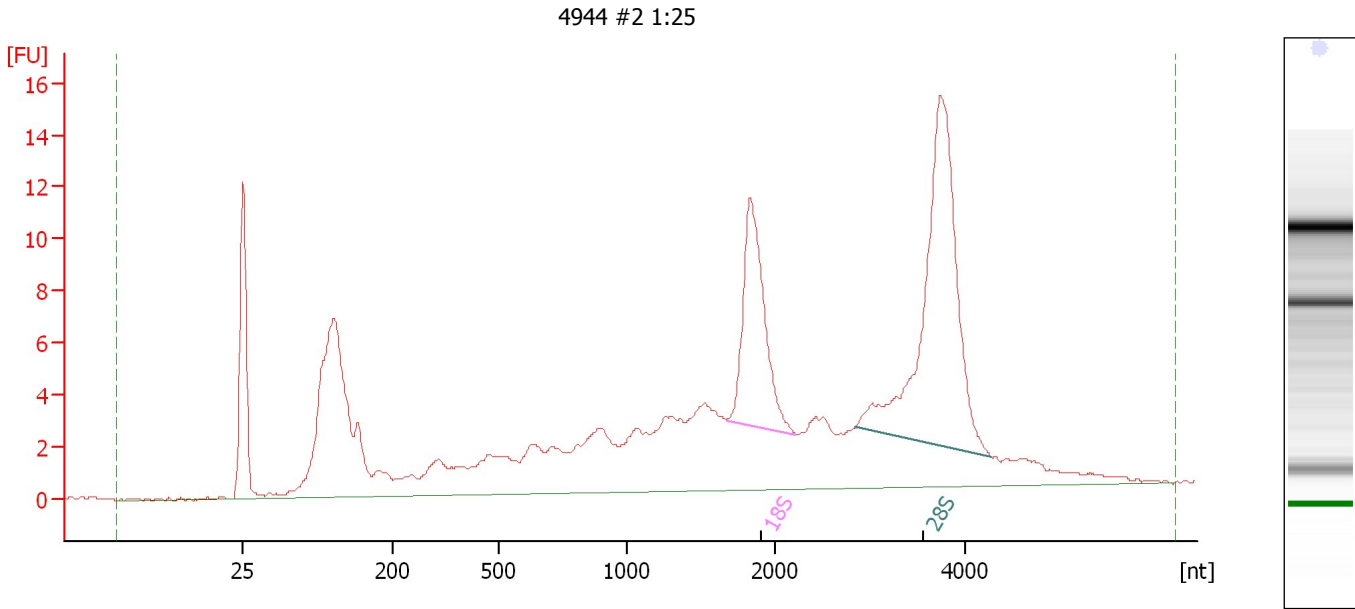
Fragment table for sample 5 : 4944 #2 1:5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,492	1,976	137.6	8.7
28S	2,979	3,759	165.6	10.5

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Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 4944 #2 1:25

RNA Area: 224.4 RNA Integrity Number (RIN): 7.8 (B.02.08)
RNA Concentration: 1,201 pg/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.1 Result Flagging Label: RIN: 7.80

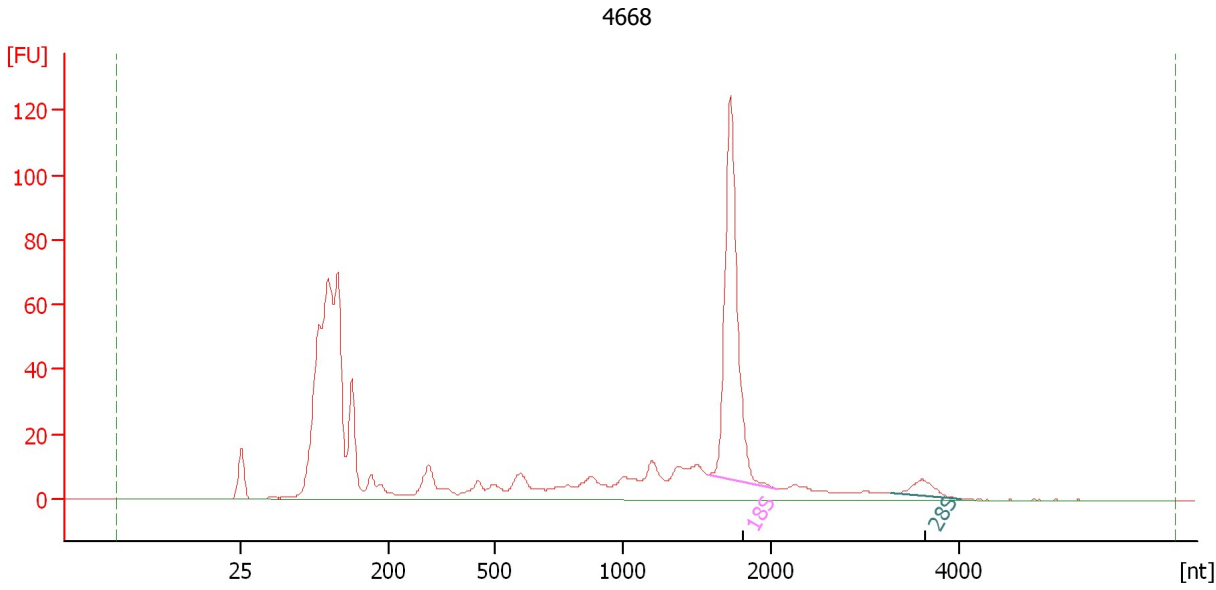
Fragment table for sample 6 : 4944 #2 1:25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,670	2,221	20.1	8.9
28S	2,849	4,274	41.4	18.4

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Created: 8/21/2017 4:29:31 PM
 Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 4668

RNA Area:	810.6	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	4,339 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.1	Result Flagging Label:	RIN N/A

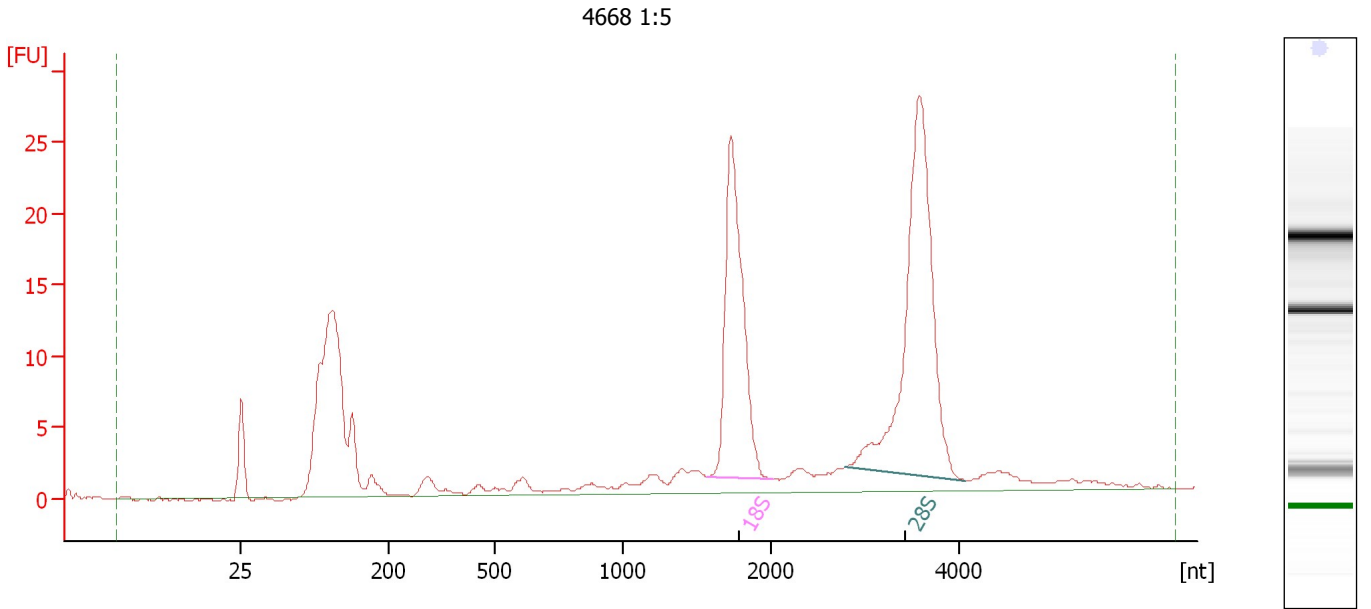
Fragment table for sample 7 : 4668

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,581	2,064	162.5	20.1
28S	3,269	4,012	10.7	1.3

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Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 4668 1:5

RNA Area:	236.8	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	1,267 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.30

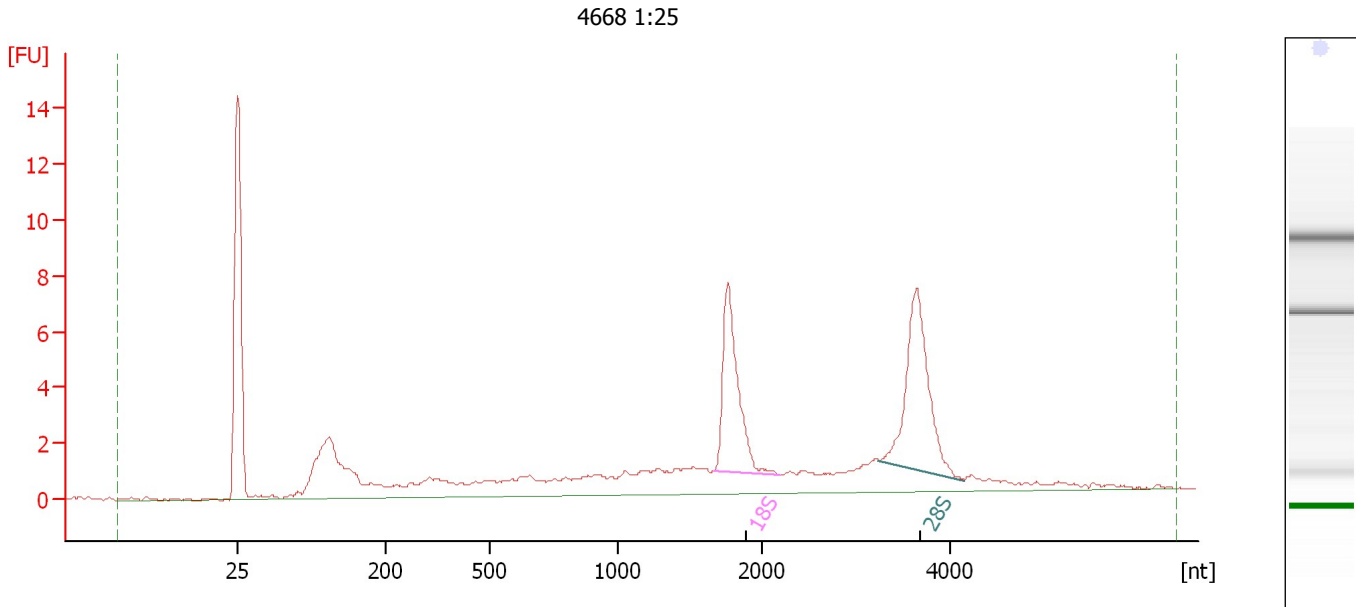
Fragment table for sample 8 : 4668 1:5

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,574	2,019	45.8	19.3
28S	2,796	4,046	67.0	28.3

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Created: 8/21/2017 4:29:31 PM
 Modified: 8/21/2017 4:49:00 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 4668 1:25

RNA Area:	83.6	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	448 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN:8

Fragment table for sample 9 : 4668 1:25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,658	2,188	11.3	13.6
28S	3,232	4,141	13.5	16.2

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Created: 8/21/2017 4:29:31 PM
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Created: 8/21/2017 4:29:31 PM
Modified: 8/21/2017 4:49:00 PM

Invalid Samples

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.