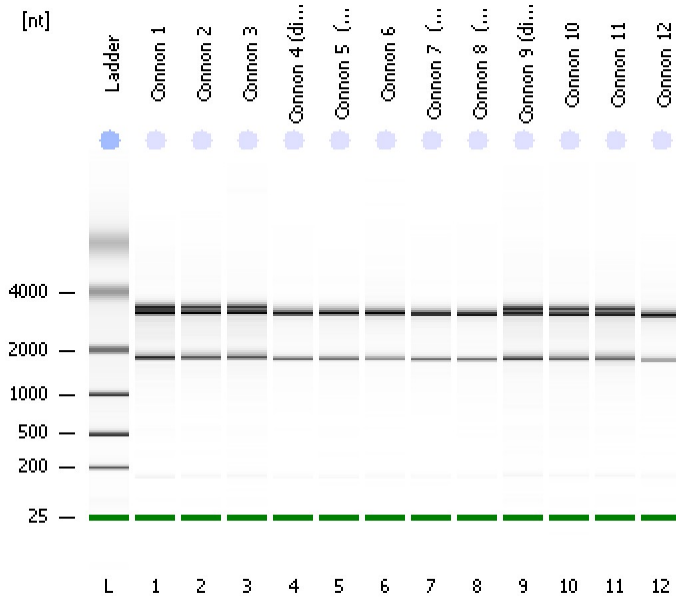


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electrophoresis File Run Summary



Instrument Information:

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

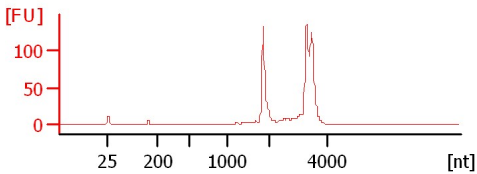
Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy
Assay Class: Eukaryote Total RNA Nano
Version: 2.6
Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)
© Copyright 2003 - 2009 Agilent Technologies, Inc.

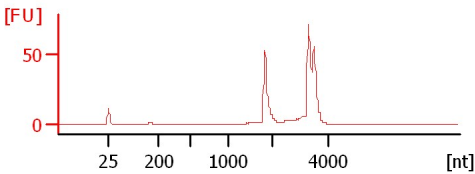
Chip Information:

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

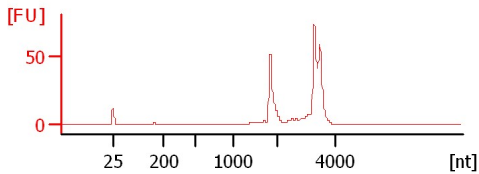
Common 1
QC_209
RIN: 8.50



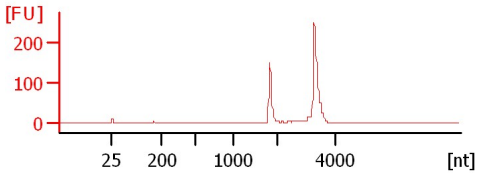
Common 2
QC_209
RIN: 8.70



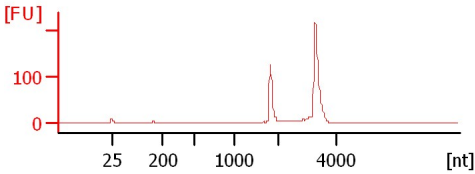
Common 3
QC_209
RIN: 8.50



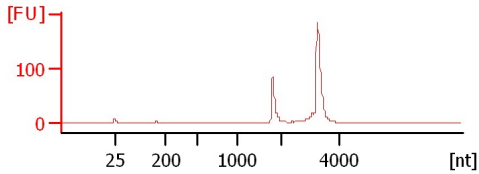
Common 4 (diluted 1:2)
QC_209
RIN: 10



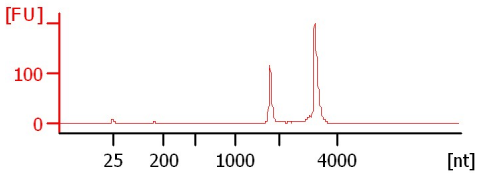
Common 5 (diluted 1:2)
QC_209
RIN: 9.90



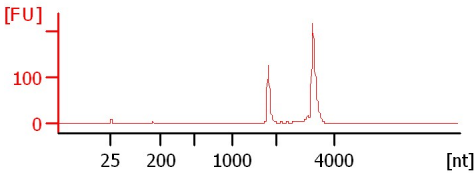
Common 6
QC_209
RIN: 9.80



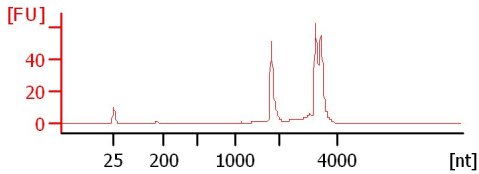
Common 7 (diluted 1:2)
QC_209
RIN: 10



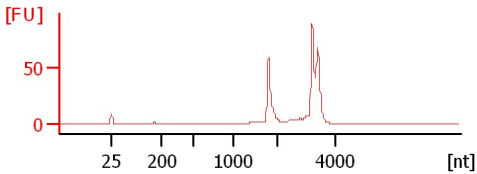
Common 8 (diluted 1:2)
QC_209
RIN: 10



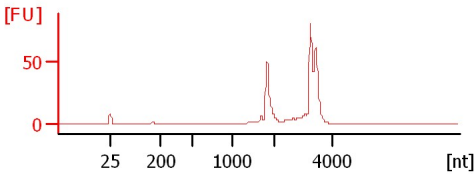
Common 9 (diluted 1:2)
QC_209
RIN: 8.40



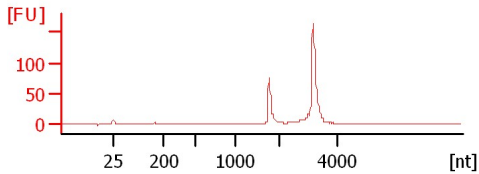
Common 10
QC_209
RIN: 8.60



Common 11
QC_209
RIN: 8.40



Common 12
QC_209
RIN: 9.70



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
Connon 1	QC_209	✓	RIN: 8.50	
Connon 2	QC_209	✓	RIN: 8.70	
Connon 3	QC_209	✓	RIN: 8.50	
Connon 4 (diluted 1:2)	QC_209	✓	RIN:10	
Connon 5 (diluted 1:2)	QC_209	✓	RIN: 9.90	
Connon 6	QC_209	✓	RIN: 9.80	
Connon 7 (diluted 1:2)	QC_209	✓	RIN:10	
Connon 8 (diluted 1:2)	QC_209	✓	RIN:10	
Connon 9 (diluted 1:2)	QC_209	✓	RIN: 8.40	
Connon 10	QC_209	✓	RIN: 8.60	
Connon 11	QC_209	✓	RIN: 8.40	
Connon 12	QC_209	✓	RIN: 9.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 13
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 19
End Analysis Time Range [s] : 69
Ladder Concentration [ng/μl] : 150
Lower Marker Concentration [ng/μl] : 0
Upper Marker Concentration [ng/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 19
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.5
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

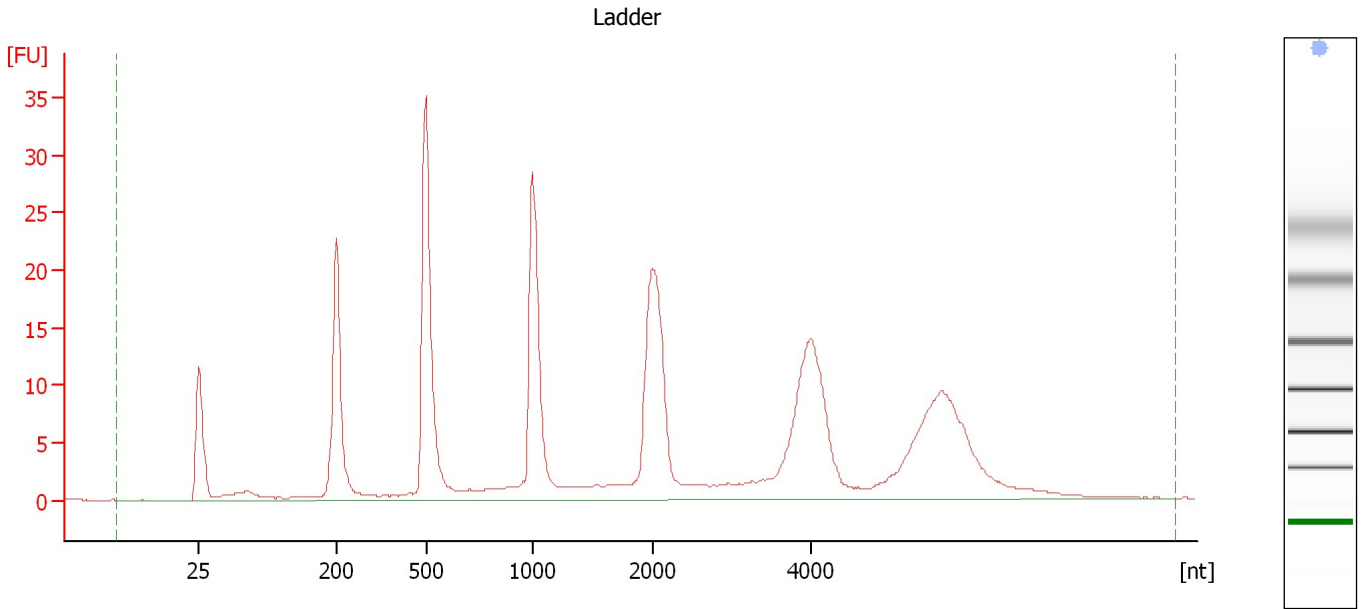
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary



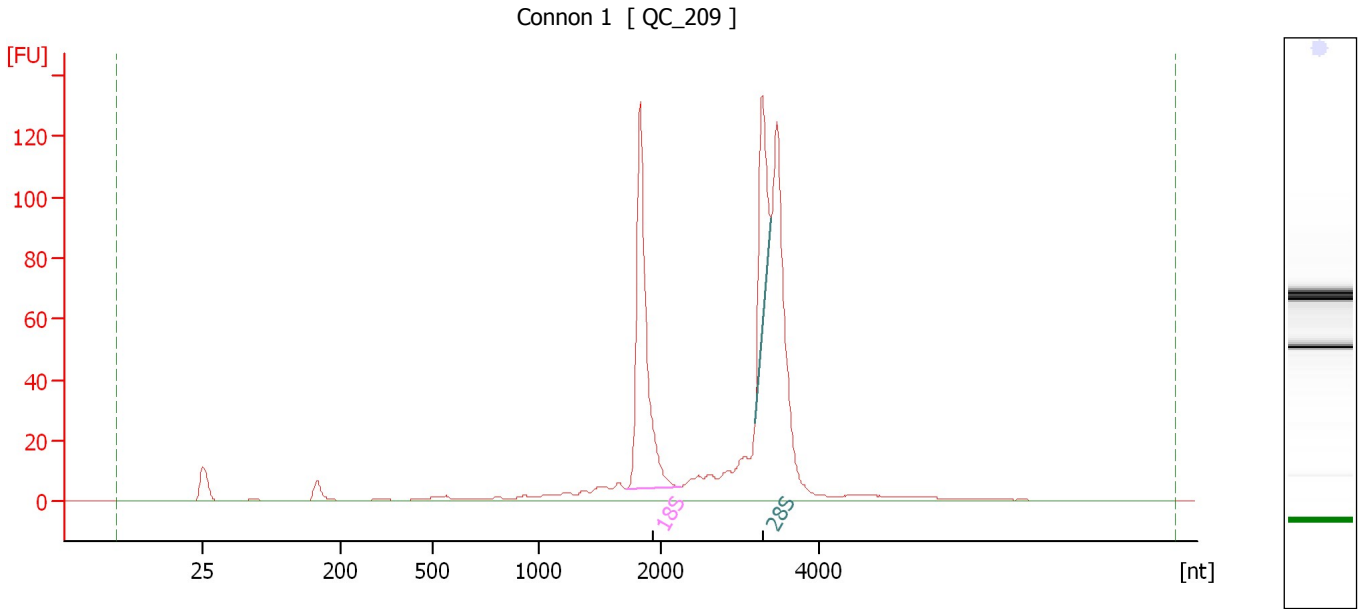
Overall Results for Ladder

RNA Area:	307.9	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : Connon 1

RNA Area: 644.9 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 314 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.4 Result Flagging Label: RIN: 8.50

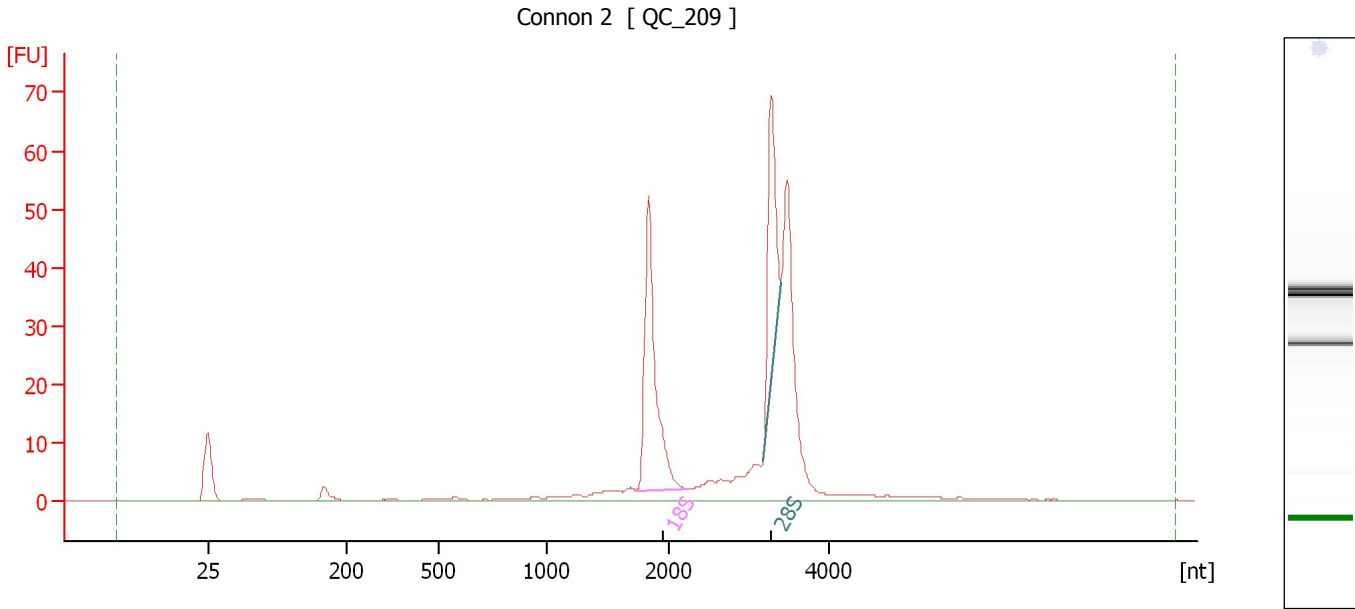
Fragment table for sample 1 : Connon 1

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,719	2,246	151.0	23.4
28S	3,184	3,385	62.4	9.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Connon 2

RNA Area:	272.7	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	133 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 8.70

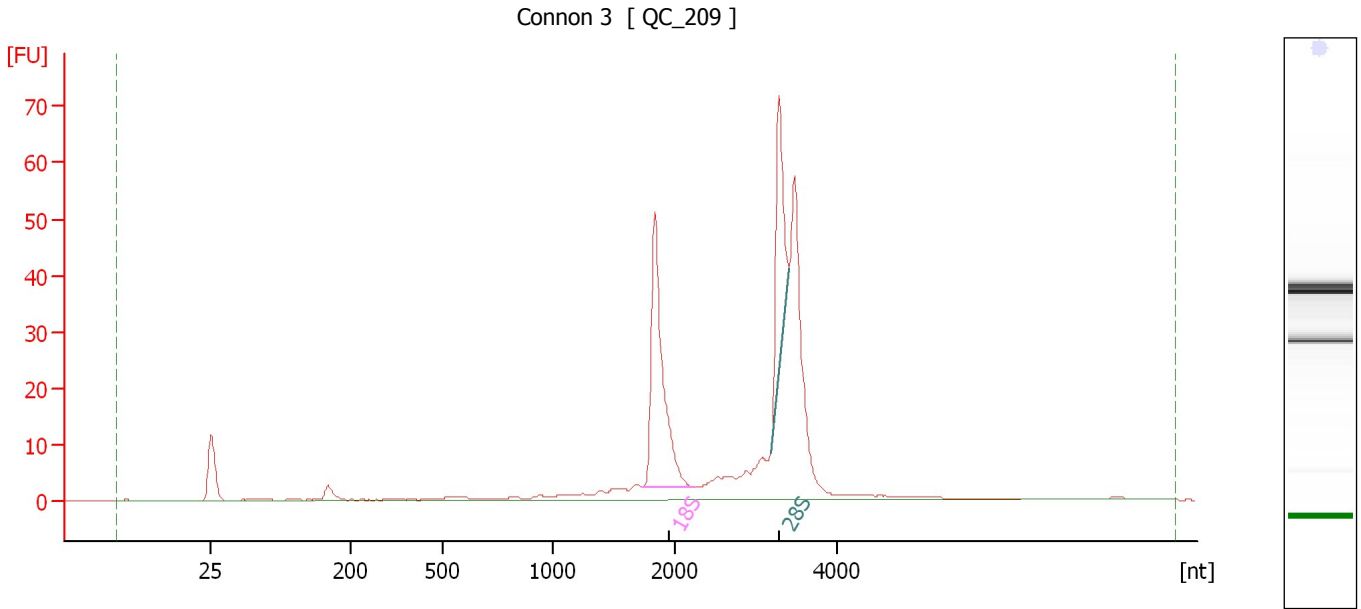
Fragment table for sample 2 : Connon 2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	2,248	64.1	23.5
28S	3,178	3,391	36.1	13.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : Connon 3

RNA Area: 304.8 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 148 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 8.50

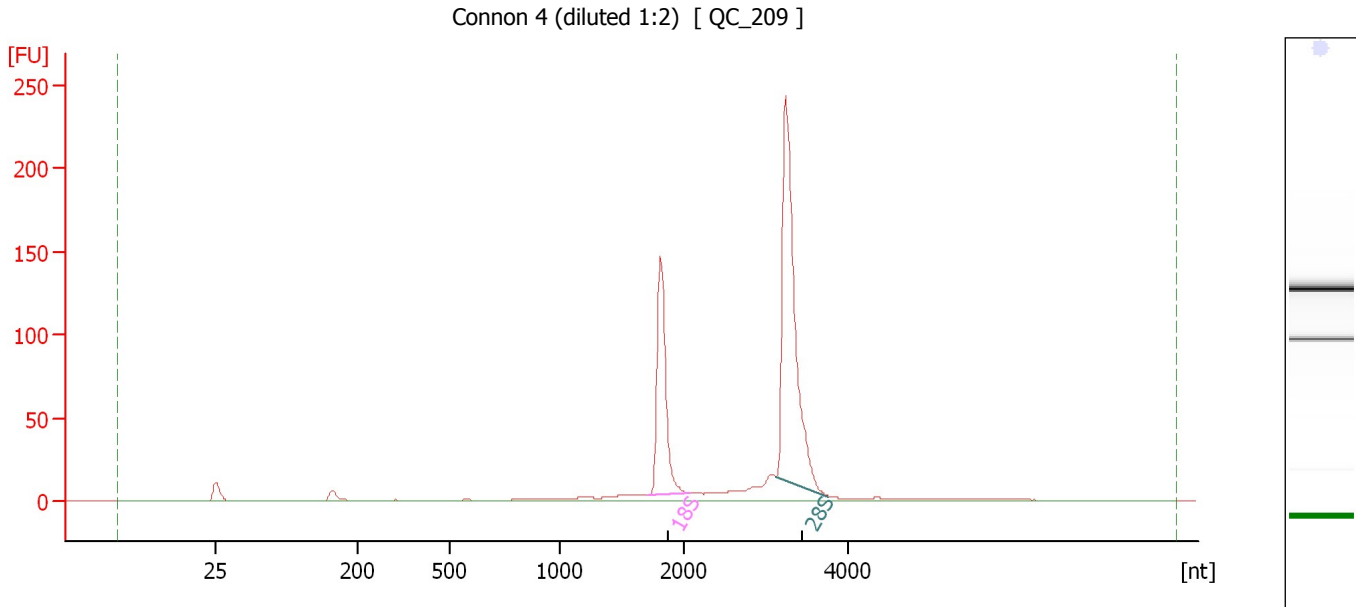
Fragment table for sample 3 : Connon 3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	2,251	67.6	22.2
28S	3,188	3,399	36.5	12.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Connon 4 (diluted 1:2)

RNA Area: 634.4 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 309 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN:10

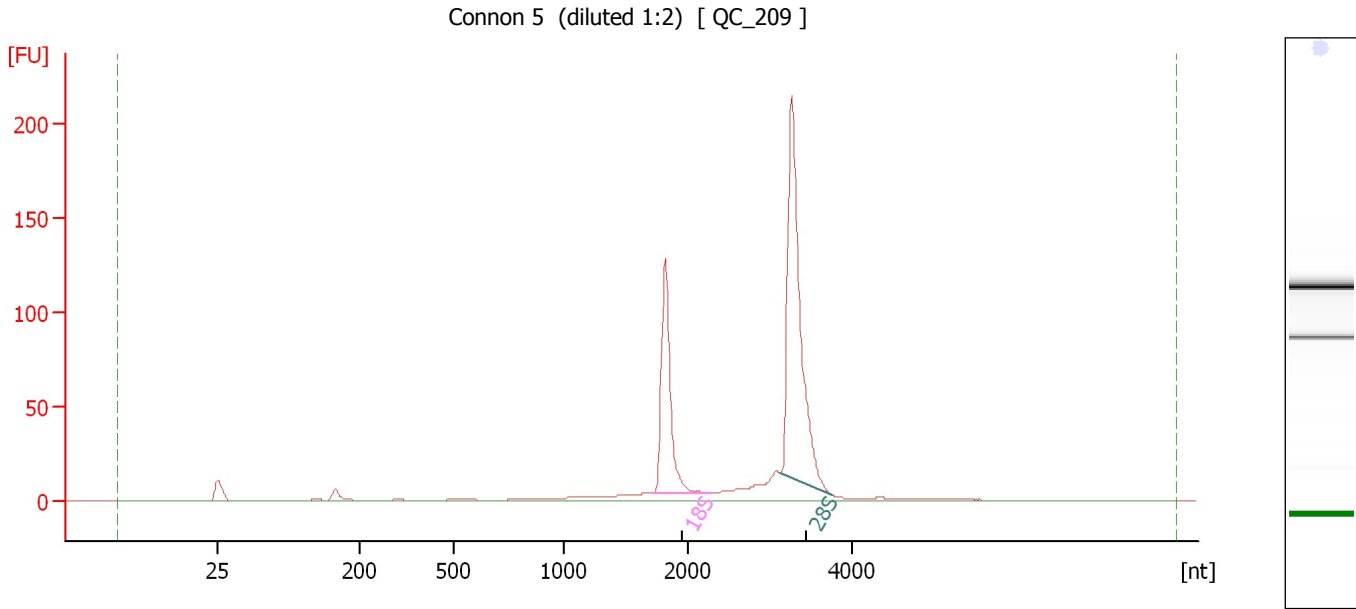
Fragment table for sample 4 : Connon 4 (diluted 1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,700	2,070	143.6	22.6
28S	3,117	3,772	294.1	46.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : Connon 5 (diluted 1:2)

RNA Area: 586.2 RNA Integrity Number (RIN): 9.9 (B.02.08)
RNA Concentration: 286 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.0 Result Flagging Label: RIN: 9.90

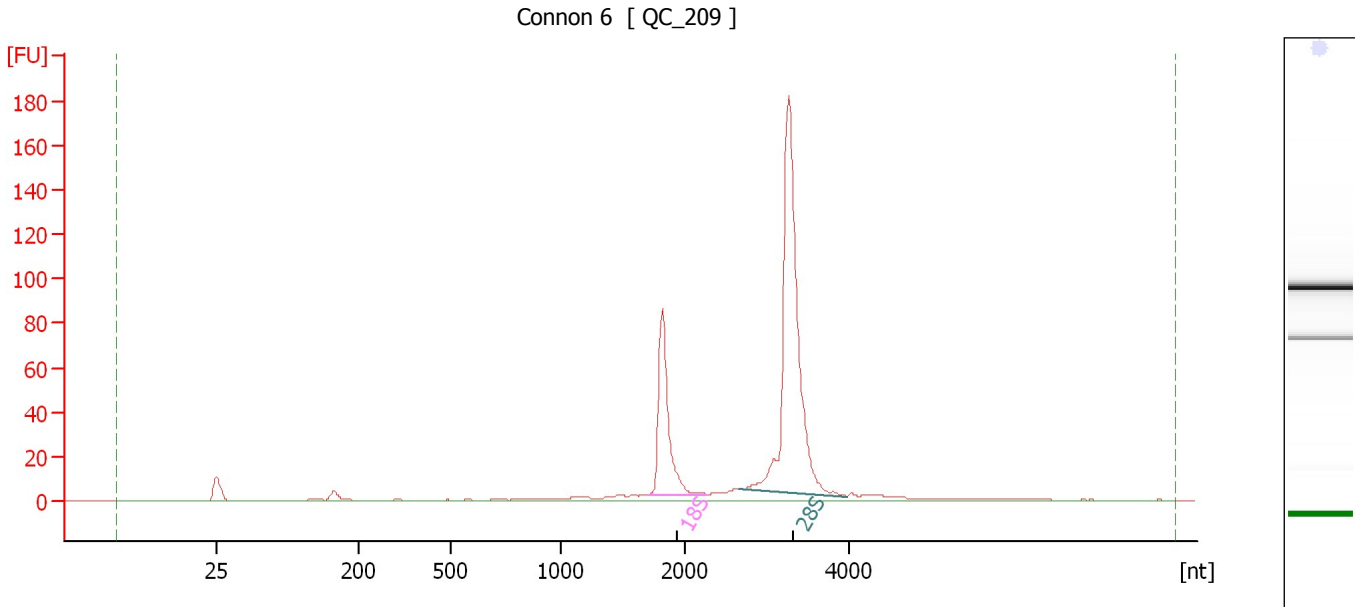
Fragment table for sample 5 : Connon 5 (diluted 1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,703	2,281	131.8	22.5
28S	3,128	3,754	262.3	44.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : Connon 6

RNA Area:	486.6	RNA Integrity Number (RIN):	9.8 (B.02.08)
RNA Concentration:	237 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.8	Result Flagging Label:	RIN: 9.80

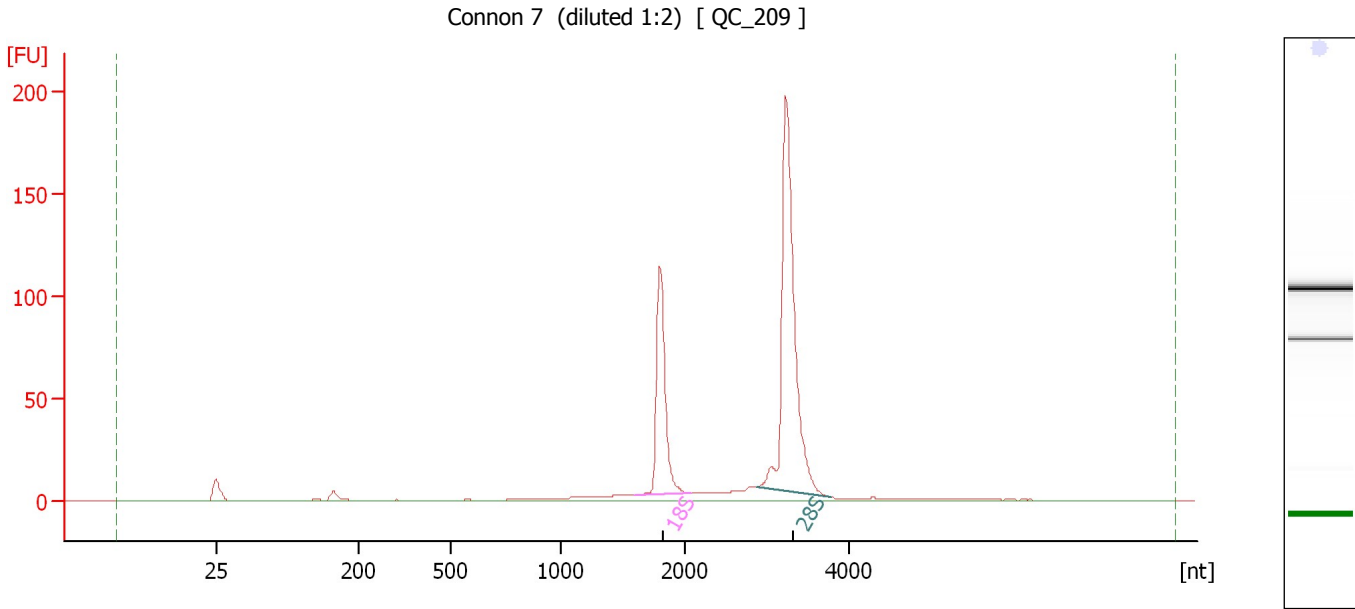
Fragment table for sample 6 : Connon 6

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,701	2,280	94.4	19.4
28S	2,659	3,979	268.2	55.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : Connon 7 (diluted 1:2)

RNA Area: 485.8 RNA Integrity Number (RIN): 10 (B.02.08)
RNA Concentration: 237 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.2 Result Flagging Label: RIN:10

Fragment table for sample 7 : Connon 7 (diluted 1:2)

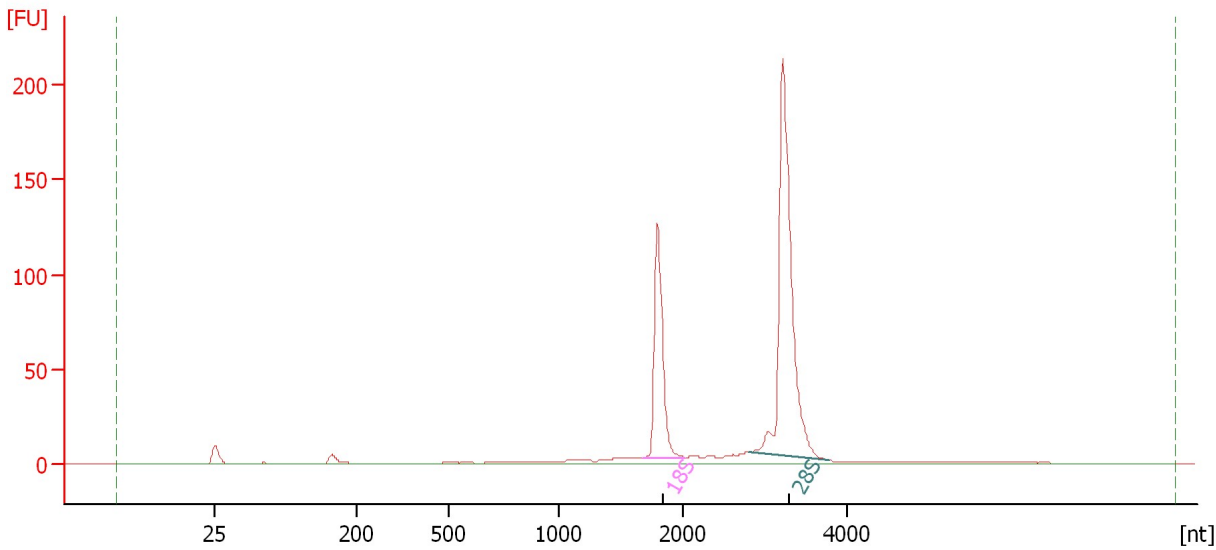
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,589	2,071	111.6	23.0
28S	2,881	3,783	248.2	51.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...

Connon 8 (diluted 1:2) [QC_209]



Overall Results for sample 8 : Connon 8 (diluted 1:2)

RNA Area:	529.7	RNA Integrity Number (RIN):	10 (B.02.08)
RNA Concentration:	258 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	2.3	Result Flagging Label:	RIN:10

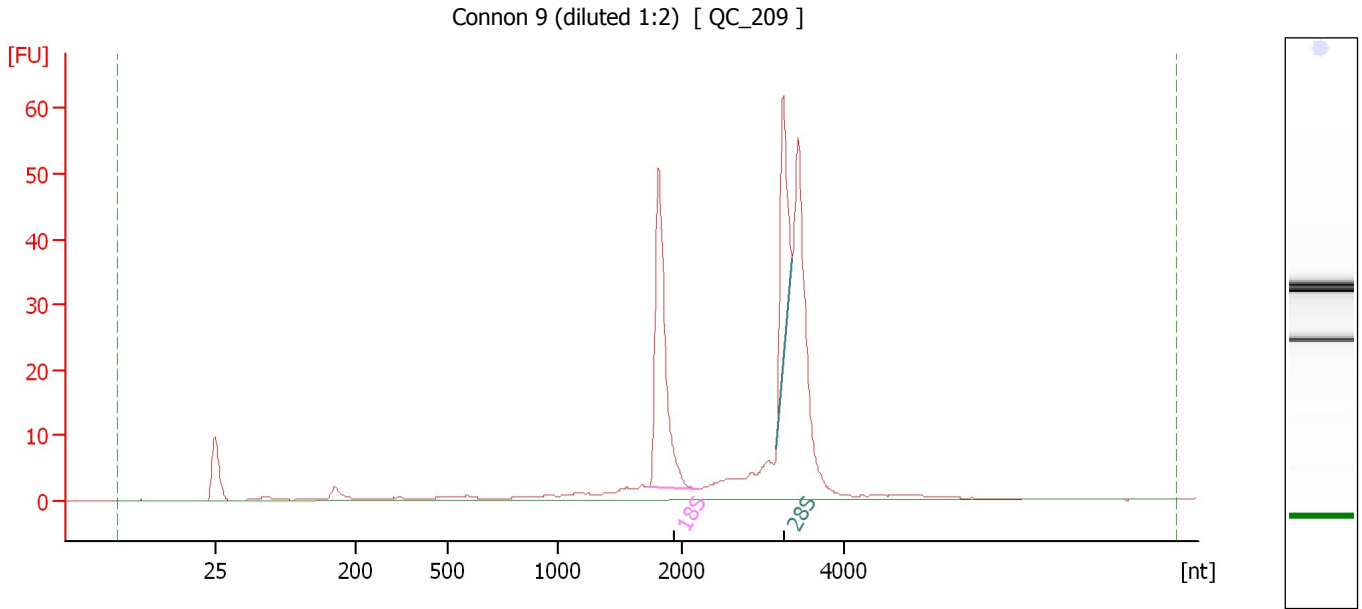
Fragment table for sample 8 : Connon 8 (diluted 1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,683	2,031	119.0	22.5
28S	2,816	3,798	270.4	51.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : Connon 9 (diluted 1:2)

RNA Area: 267.2 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 130 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 8.40

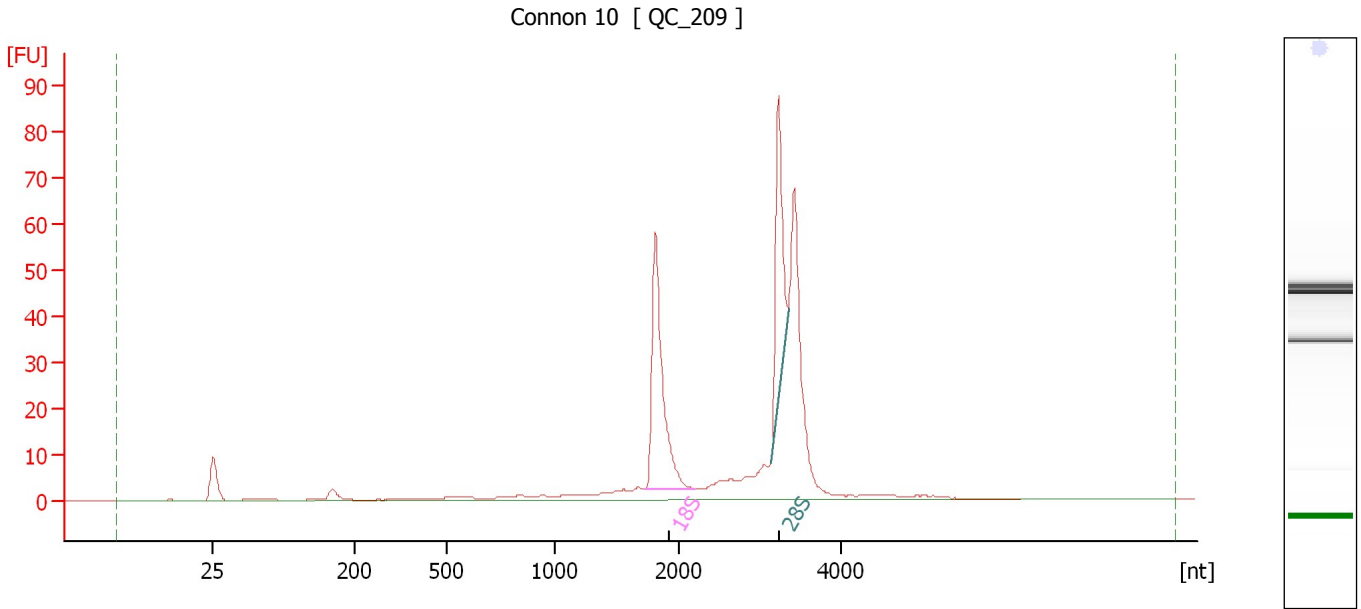
Fragment table for sample 9 : Connon 9 (diluted 1:2)

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,733	2,226	57.6	21.6
28S	3,158	3,355	29.8	11.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Connon 10

RNA Area: 333.2 RNA Integrity Number (RIN): 8.6 (B.02.08)
RNA Concentration: 162 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 8.60

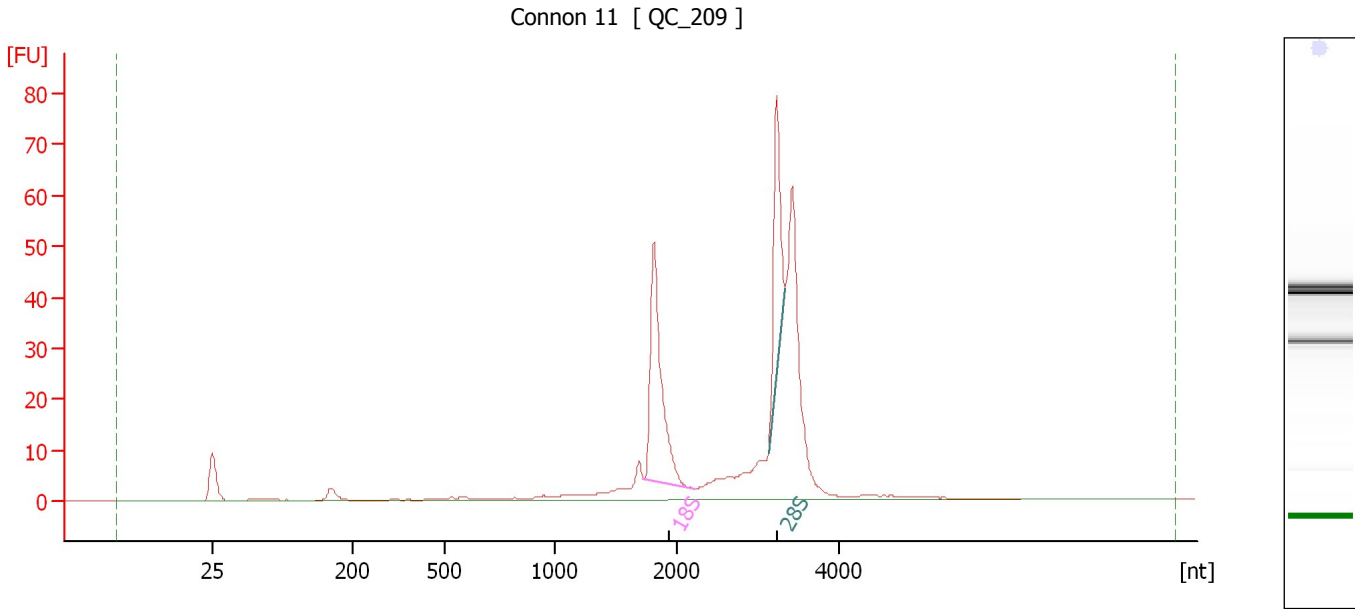
Fragment table for sample 10 : Connon 10

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,723	2,199	70.9	21.3
28S	3,133	3,343	45.8	13.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : Connon 11

RNA Area: 311.4 RNA Integrity Number (RIN): 8.4 (B.02.08)
RNA Concentration: 152 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.6 Result Flagging Label: RIN: 8.40

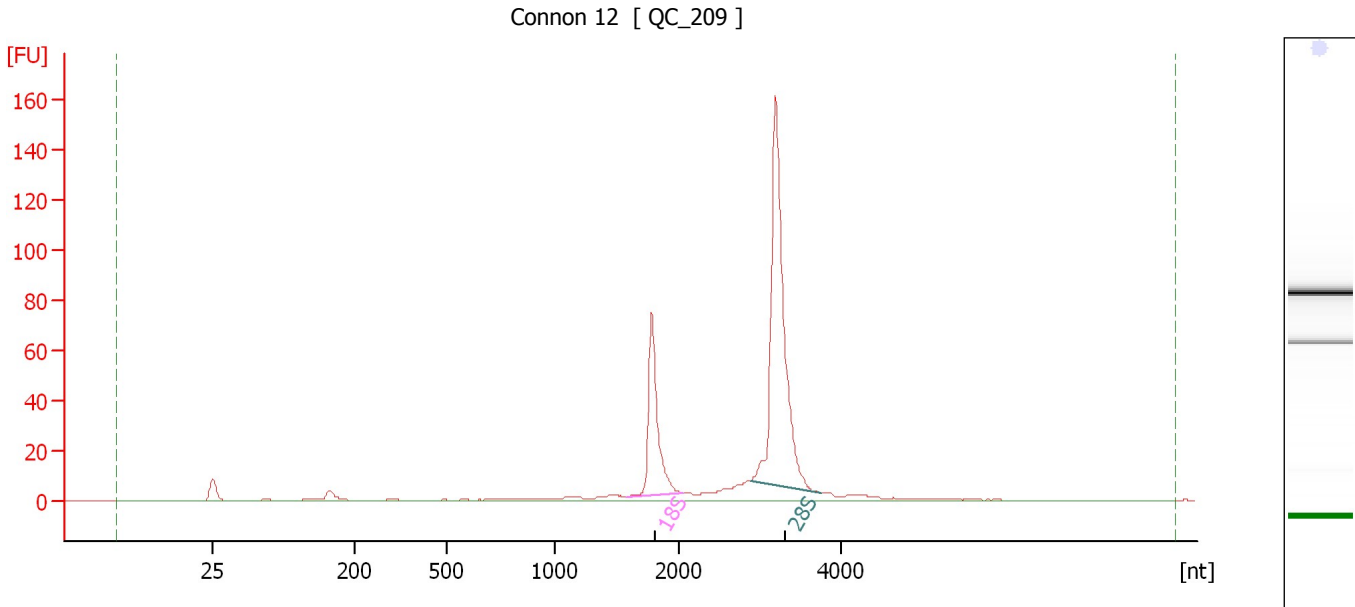
Fragment table for sample 11 : Connon 11

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	2,212	62.9	20.2
28S	3,134	3,345	39.8	12.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Connon 12

RNA Area: 420.8 RNA Integrity Number (RIN): 9.7 (B.02.08)
RNA Concentration: 205 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 2.6 Result Flagging Label: RIN: 9.70

Fragment table for sample 12 : Connon 12

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,584	2,055	80.6	19.1
28S	2,883	3,738	208.3	49.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2017-10-09\2017-10-09_006.xad

Created: 10/9/2017 3:00:47 PM
Modified: 10/9/2017 3:24:35 PM

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