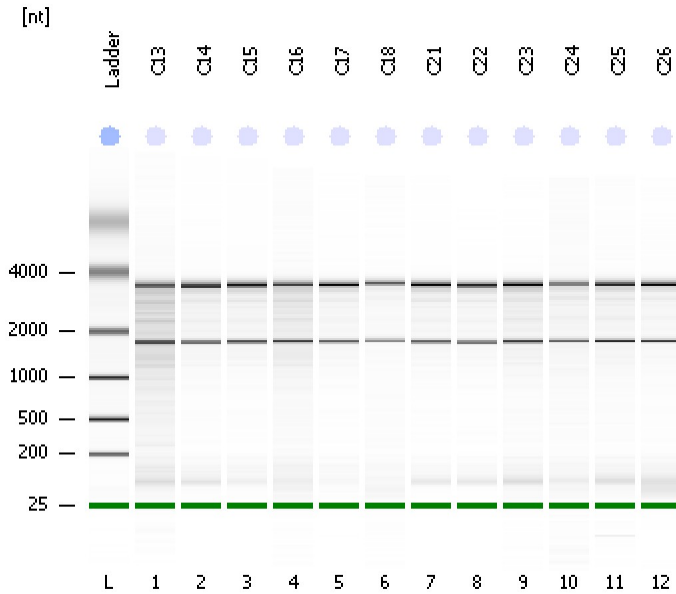


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electrophoresis File Run Summary



Instrument Information:

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

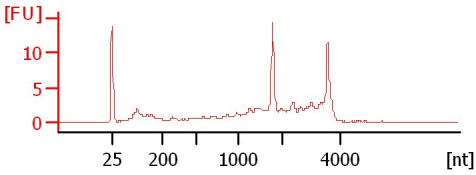
Assay Information:

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.

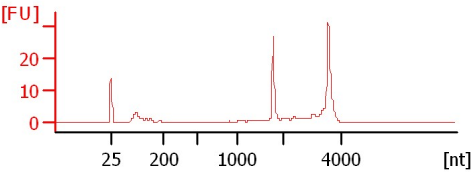
Chip Information:

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

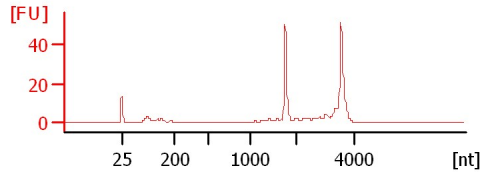
C13
QC-039
RIN: 7.20



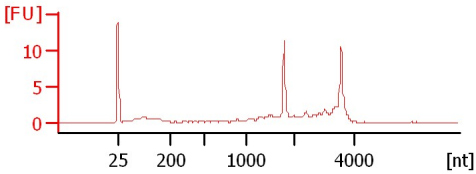
C14
QC-039
RIN: 9.10



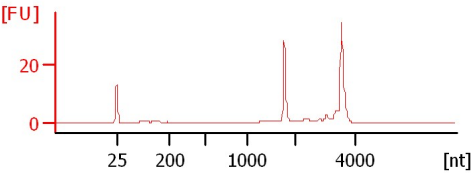
C15
QC-039
RIN: 9.20



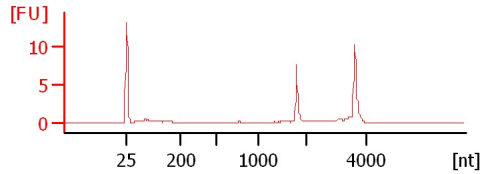
C16
QC-039
RIN: 8.20



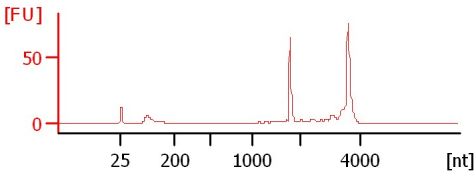
C17
QC-039
RIN: 9.40



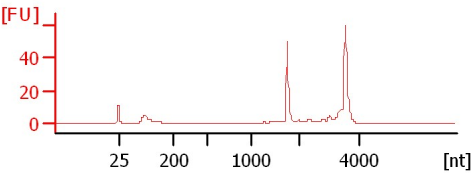
C18
QC-039
RIN: 9



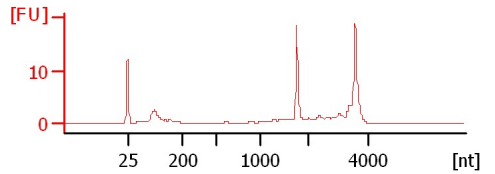
C21
QC-039
RIN: 9.20



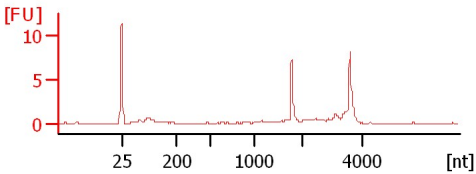
C22
QC-039
RIN: 9.40



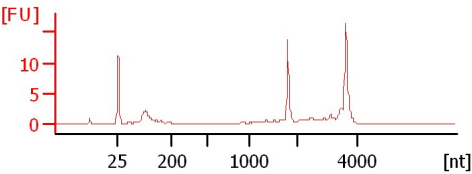
C23
QC-039
RIN: 8.70



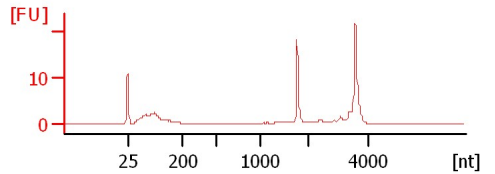
C24
QC-039
RIN: 8.80



C25
QC-039
RIN: 8.80



C26
QC-039
RIN: 9.10



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
 Modified: 8/11/2015 3:19:53 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
C13	QC-039	✓	RIN: 7.20	
C14	QC-039	✓	RIN: 9.10	
C15	QC-039	✓	RIN: 9.20	
C16	QC-039	✓	RIN: 8.20	
C17	QC-039	✓	RIN: 9.40	
C18	QC-039	✓	RIN:9	
C21	QC-039	✓	RIN: 9.20	
C22	QC-039	✓	RIN: 9.40	
C23	QC-039	✓	RIN: 8.70	
C24	QC-039	✓	RIN: 8.80	
C25	QC-039	✓	RIN: 8.80	
C26	QC-039	✓	RIN: 9.10	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 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/ μ l] : 150
Lower Marker Concentration [ng/ μ l] : 0
Upper Marker Concentration [ng/ 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] : 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

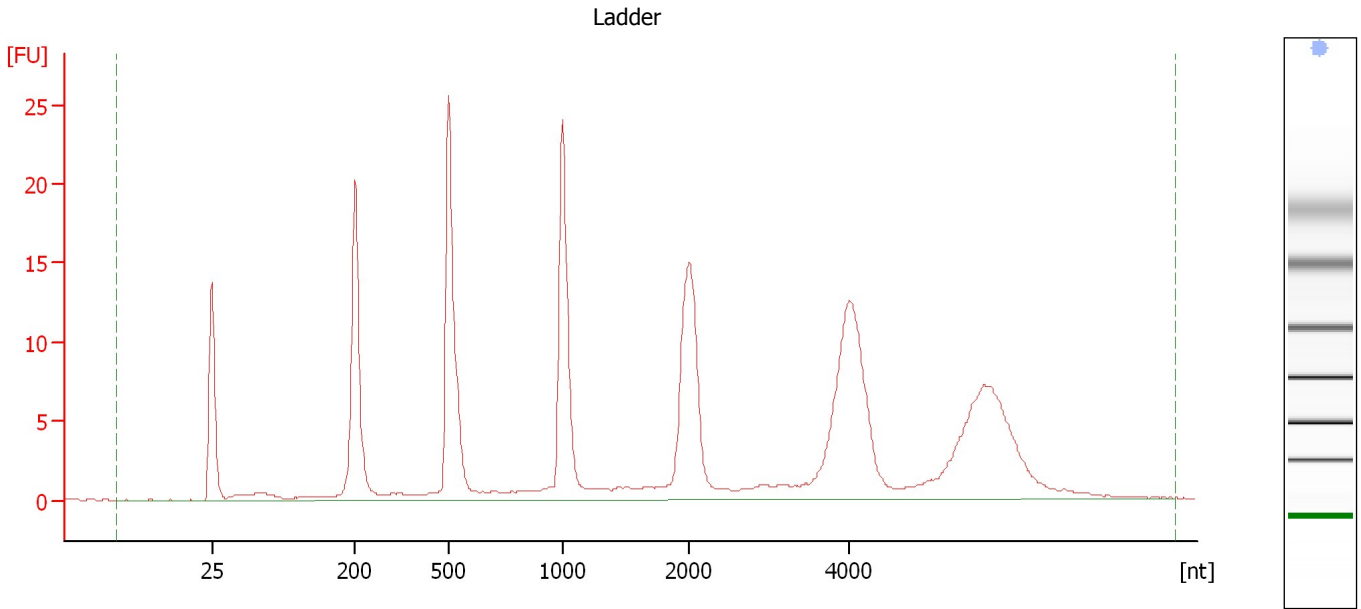
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary



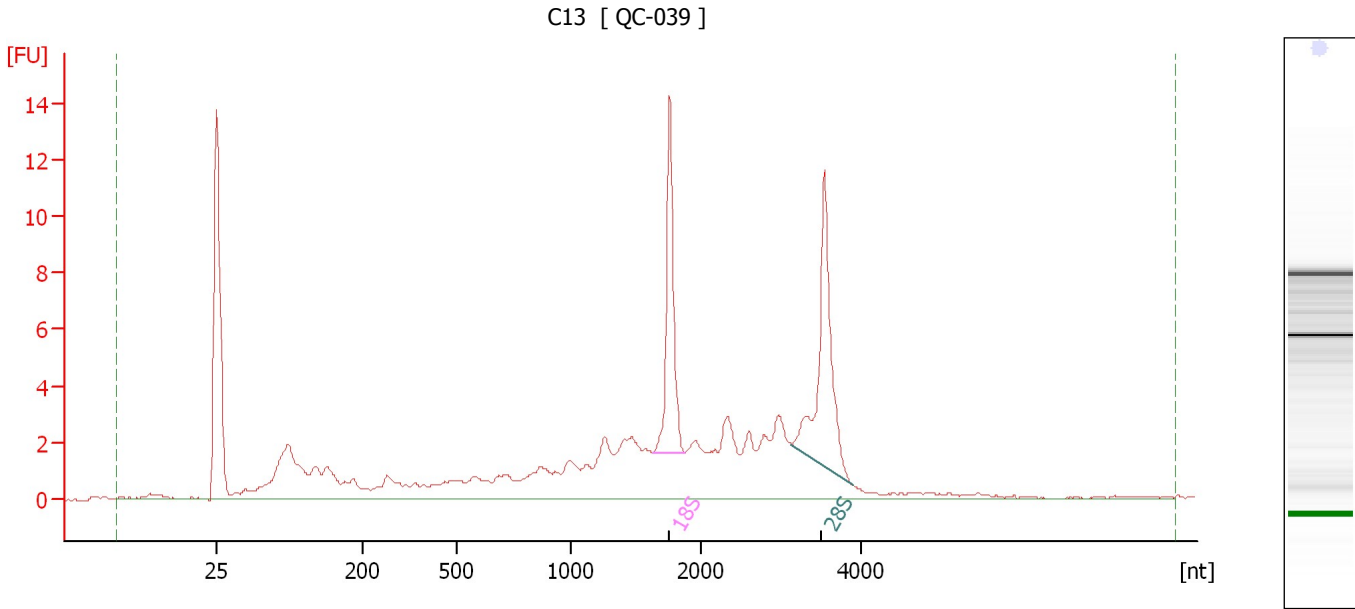
Overall Results for Ladder

RNA Area:	226.0	Result Flagging Color:	
RNA Concentration:	150 ng/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : C13

RNA Area:	111.0	RNA Integrity Number (RIN):	7.2 (B.02.08)
RNA Concentration:	74 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 7.20

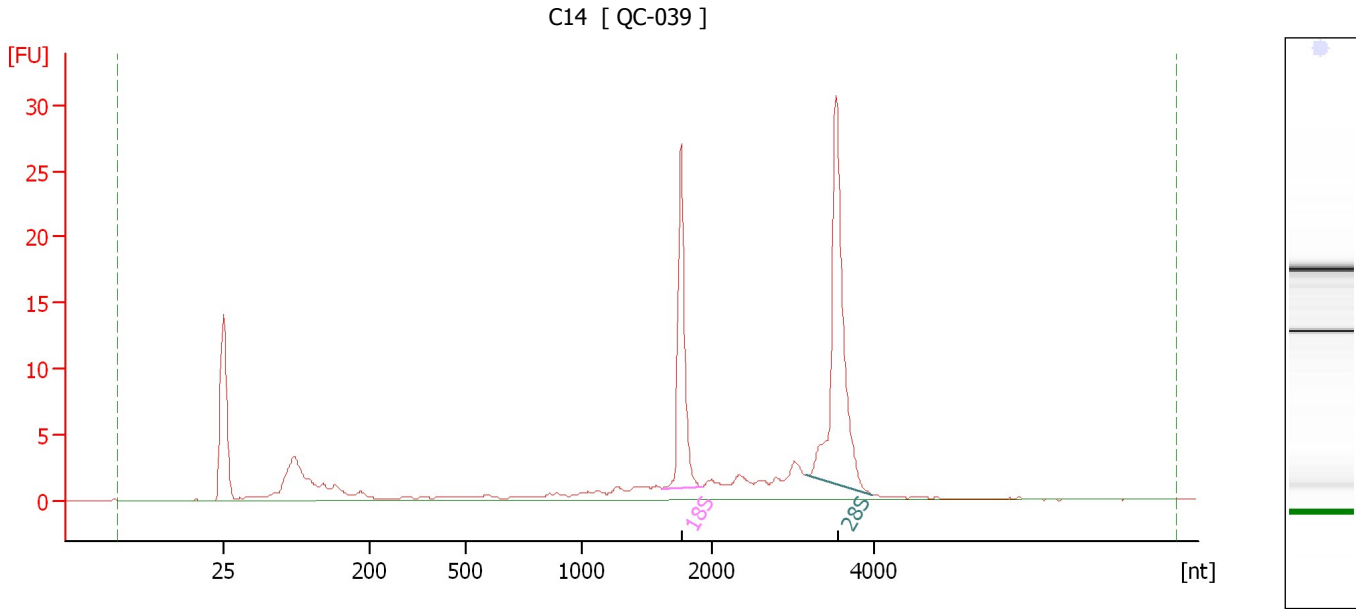
Fragment table for sample 1 : C13

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,628	1,878	10.7	9.6
28S	3,126	3,878	13.2	11.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : C14

RNA Area: 113.3 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 75 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.10

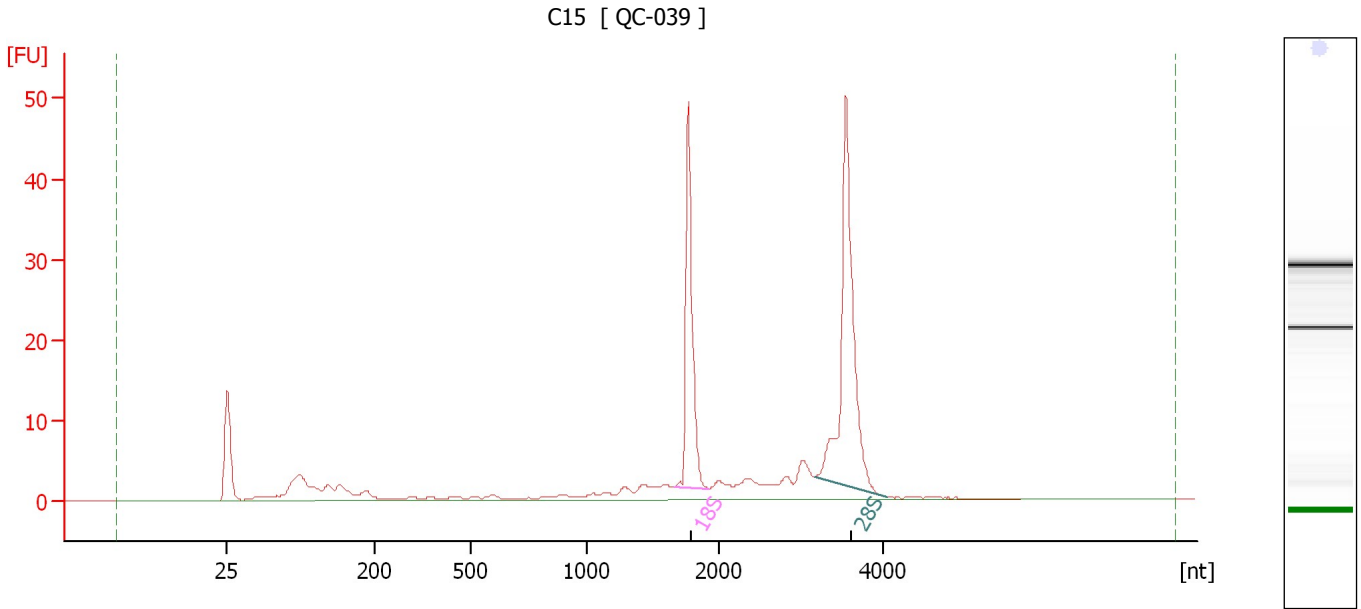
Fragment table for sample 2 : C14

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,618	1,931	19.8	17.5
28S	3,158	3,967	34.1	30.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C15

RNA Area:	177.5	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	118 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 9.20

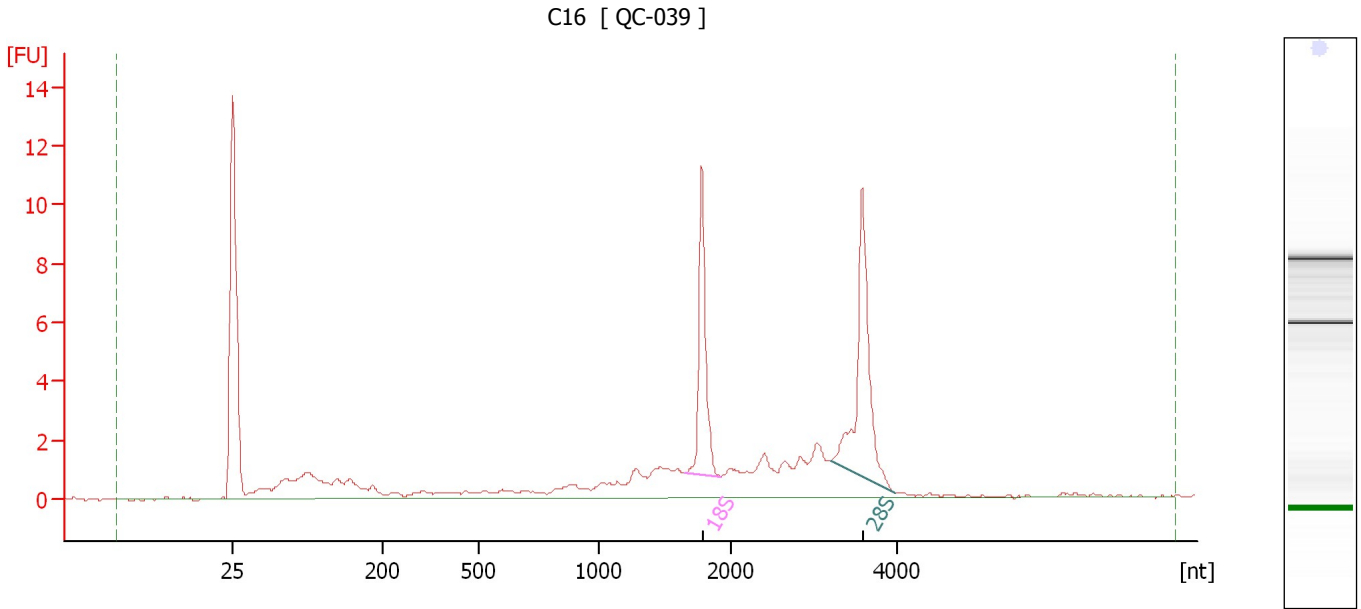
Fragment table for sample 3 : C15

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	1,925	35.3	19.9
28S	3,165	4,033	57.3	32.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : C16

RNA Area: 61.7 RNA Integrity Number (RIN): 8.2 (B.02.08)
RNA Concentration: 41 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.4 Result Flagging Label: RIN: 8.20

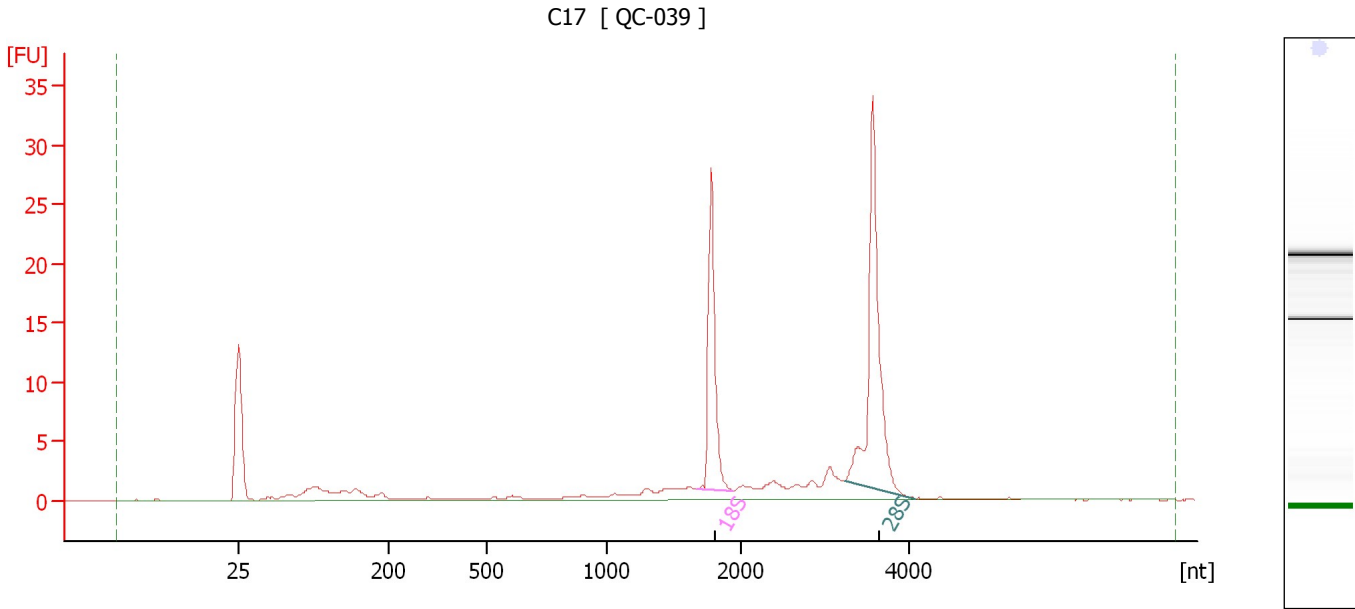
Fragment table for sample 4 : C16

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,647	1,922	8.2	13.4
28S	3,194	3,962	11.2	18.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
 Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : C17

RNA Area:	98.2	RNA Integrity Number (RIN):	9.4 (B.02.08)
RNA Concentration:	65 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.40

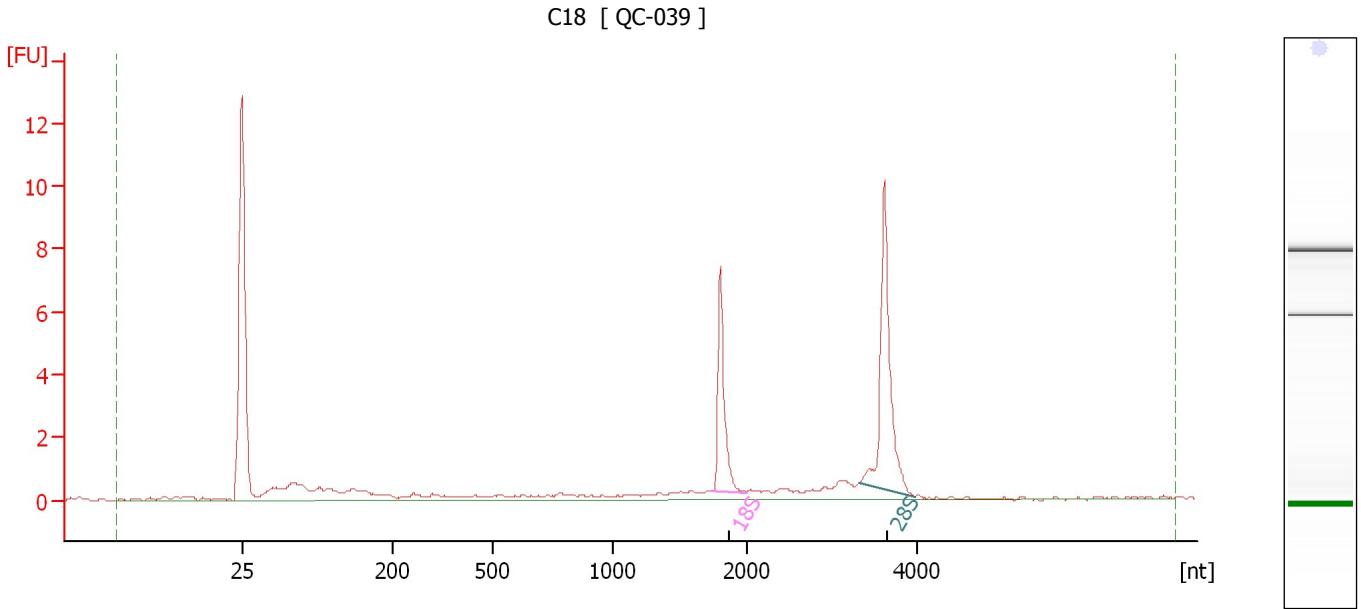
Fragment table for sample 5 : C17

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,669	1,941	19.5	19.9
28S	3,225	4,048	33.3	33.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : C18

RNA Area:	33.9	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	23 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN:9

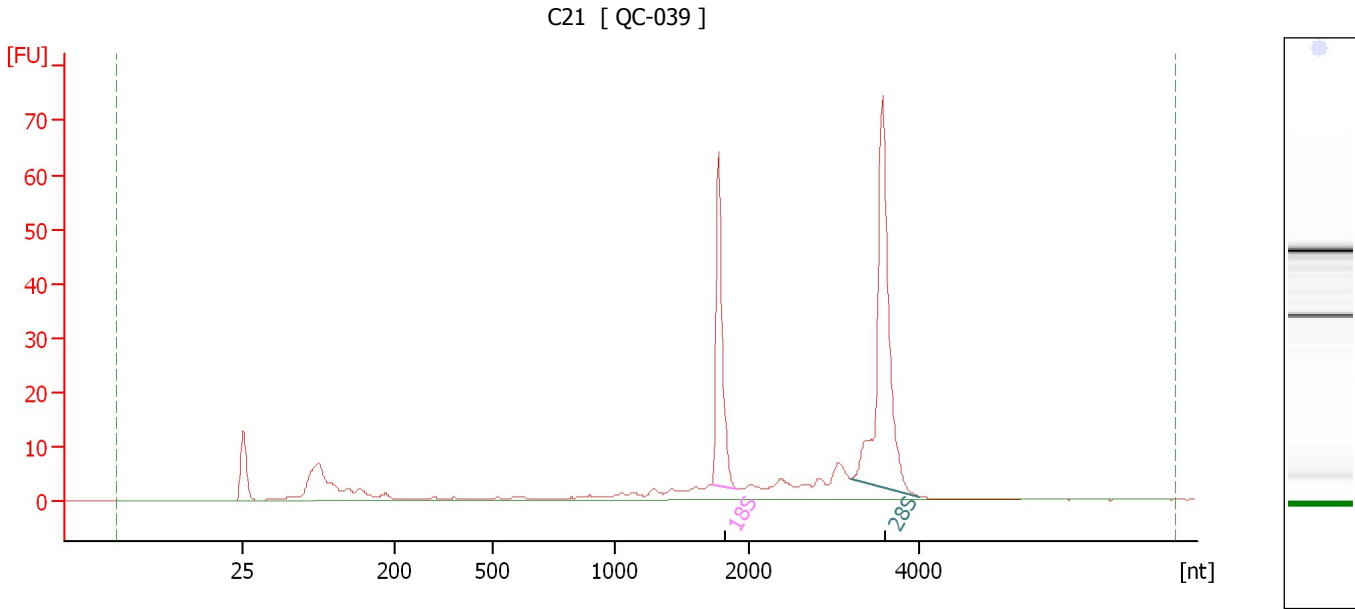
Fragment table for sample 6 : C18

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,721	1,991	5.0	14.8
28S	3,321	3,976	8.8	25.9

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : C21

RNA Area: 247.7 RNA Integrity Number (RIN): 9.2 (B.02.08)
RNA Concentration: 164 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.20

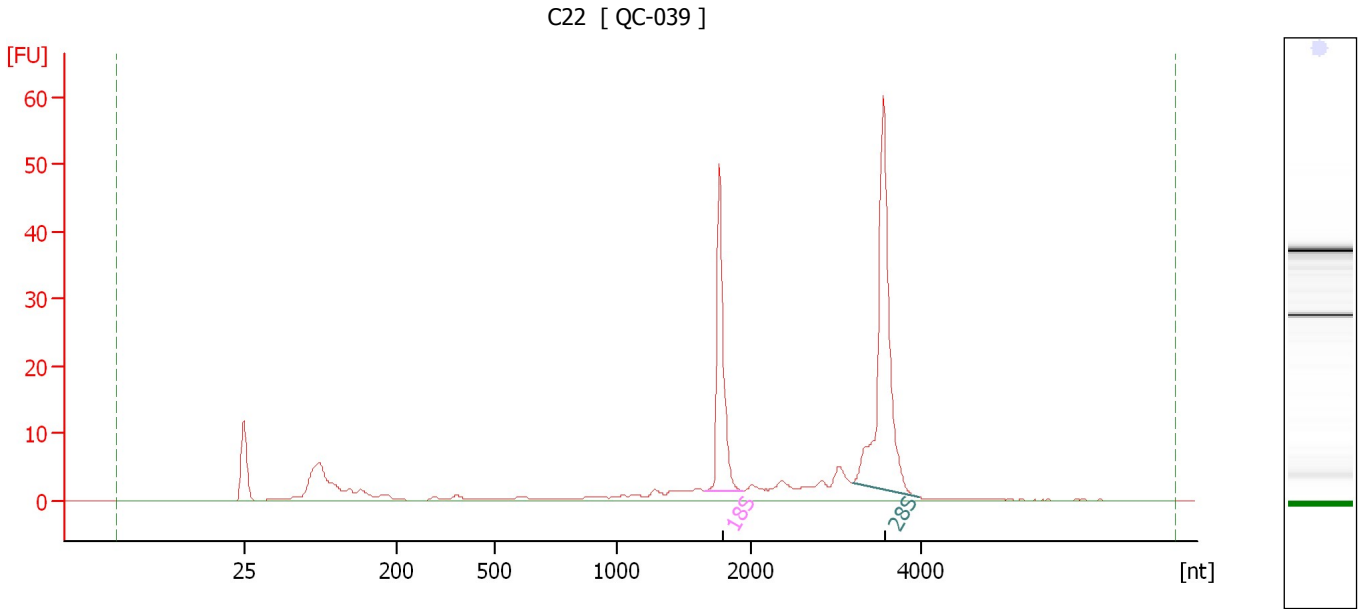
Fragment table for sample 7 : C21

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,722	1,912	44.3	17.9
28S	3,193	3,985	79.5	32.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : C22

RNA Area: 185.0 RNA Integrity Number (RIN): 9.4 (B.02.08)
RNA Concentration: 123 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 9.40

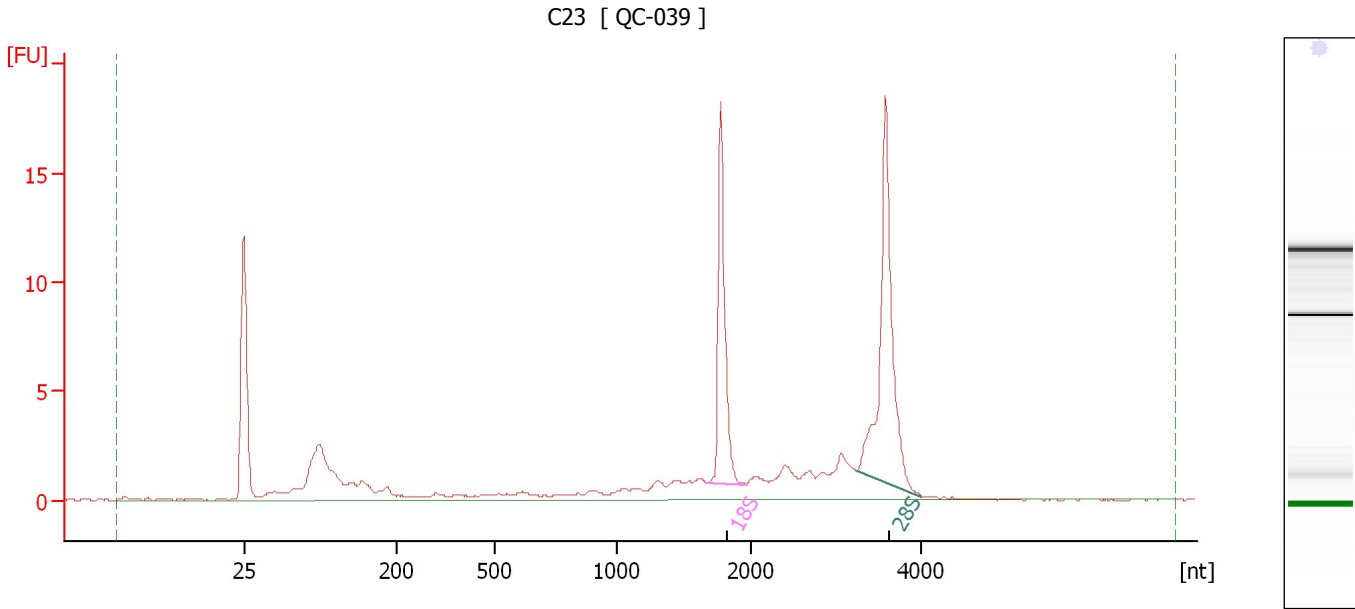
Fragment table for sample 8 : C22

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,659	1,936	35.8	19.4
28S	3,179	3,957	61.8	33.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : C23

RNA Area:	85.3	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	57 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 8.70

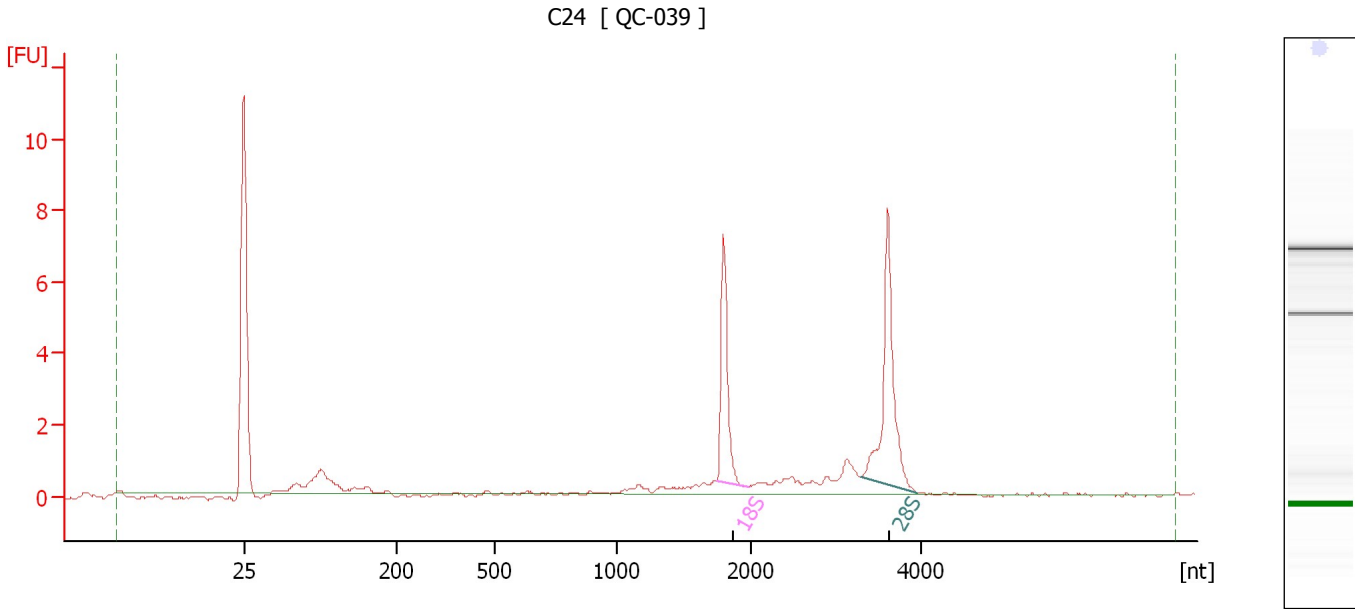
Fragment table for sample 9 : C23

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,667	1,960	12.9	15.1
28S	3,229	3,995	19.9	23.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : C24

RNA Area: 23.4 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 16 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.6 Result Flagging Label: RIN: 8.80

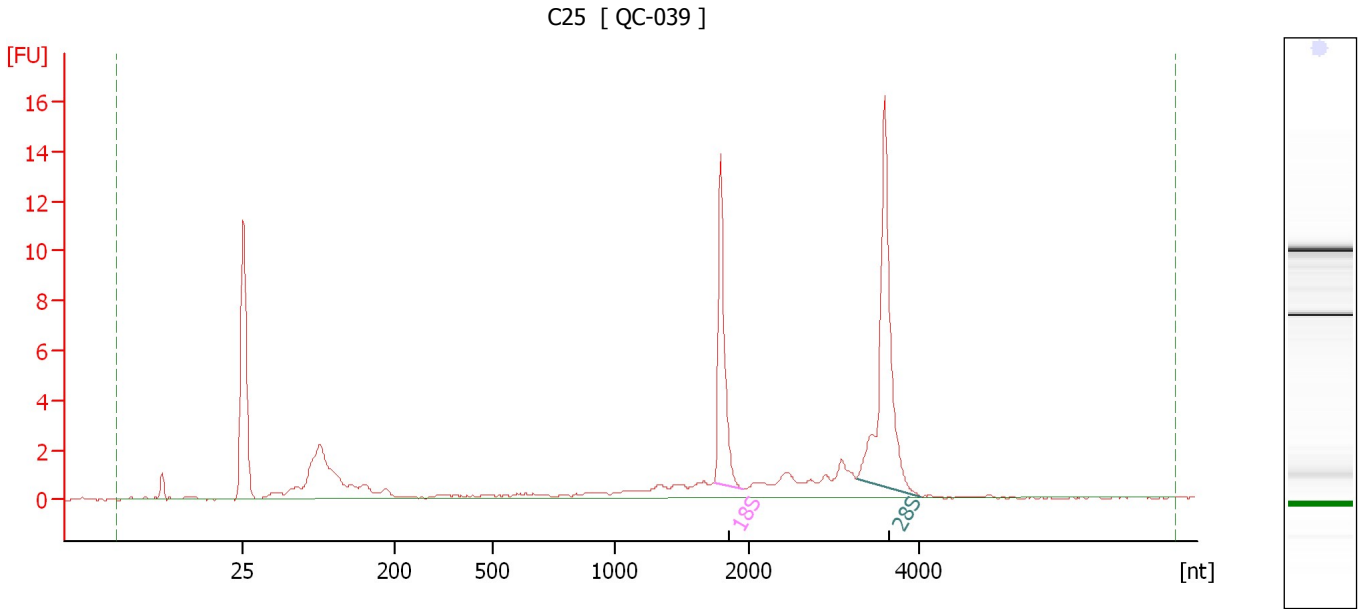
Fragment table for sample 10 : C24

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,739	1,976	4.7	20.1
28S	3,279	3,932	7.6	32.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : C25

RNA Area: 59.6 RNA Integrity Number (RIN): 8.8 (B.02.08)
RNA Concentration: 40 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.7 Result Flagging Label: RIN: 8.80

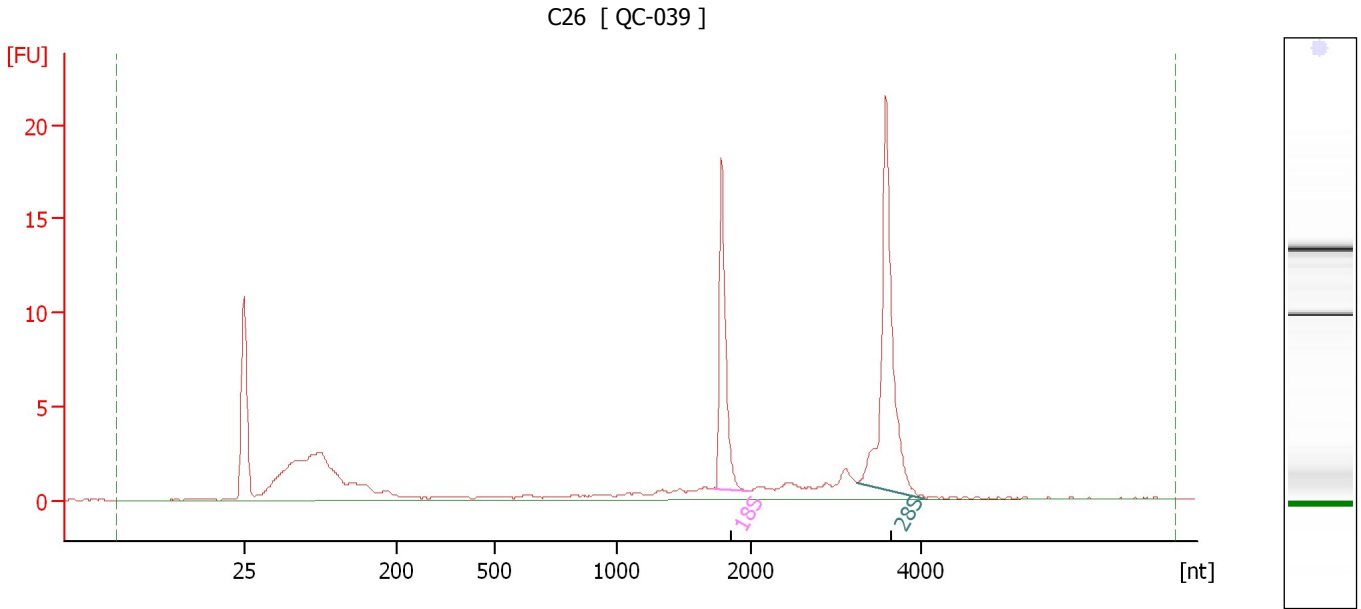
Fragment table for sample 11 : C25

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,738	1,951	9.2	15.5
28S	3,256	4,010	15.9	26.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

Electropherogram Summary Continued ...



Overall Results for sample 12 : C26

RNA Area: 84.0 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 56 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.8 Result Flagging Label: RIN: 9.10

Fragment table for sample 12 : C26

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	1,976	12.1	14.4
28S	3,229	4,045	21.7	25.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-08-11\2015-08-11_001.xad

Created: 8/11/2015 2:50:25 PM
Modified: 8/11/2015 3:19:53 PM

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