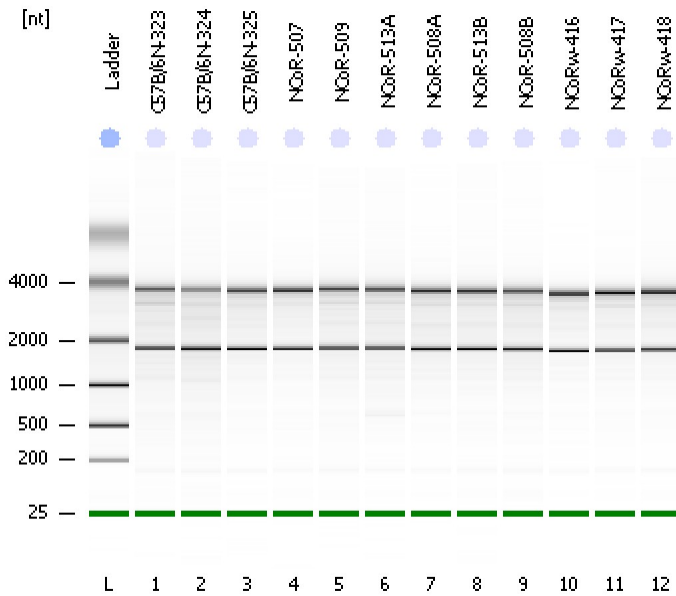


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electrophoresis File Run Summary



Instrument Information:

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

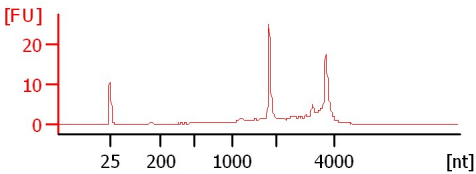
Assay Information:

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

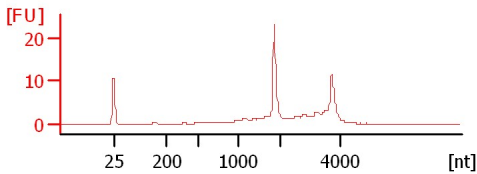
Chip Information:

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

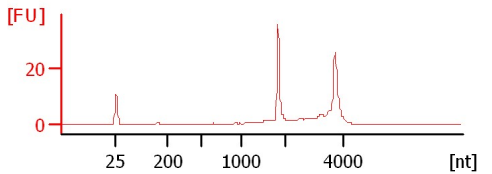
C57B/6N-323
QC_050
RIN: 7.90



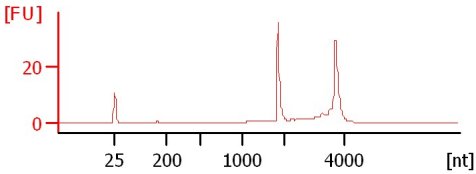
C57B/6N-324
QC_050
RIN: 8



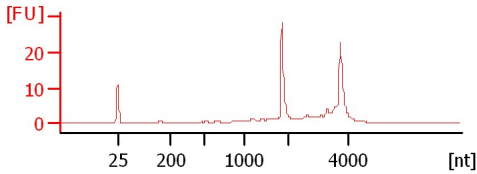
C57B/6N-325
QC_050
RIN: 9.30



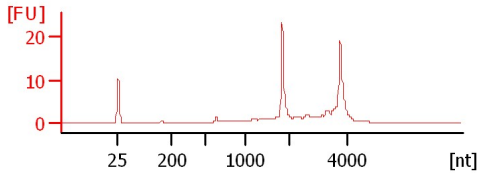
NCoR-507
QC_050
RIN: 9.10



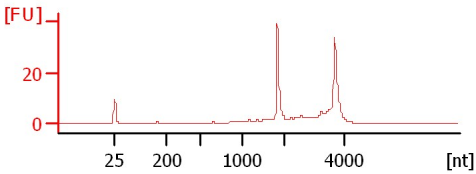
NCoR-509
QC_050
RIN: 8.50



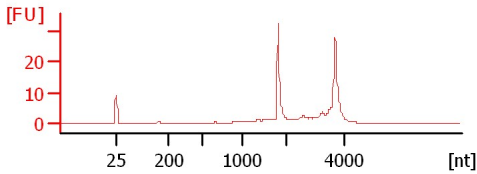
NCoR-513A
QC_050
RIN: 8.30



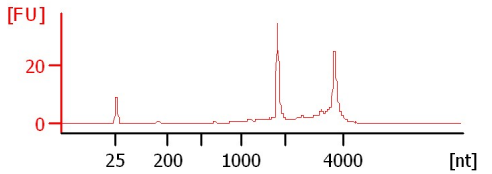
NCoR-508A
QC_050
RIN: 8.70



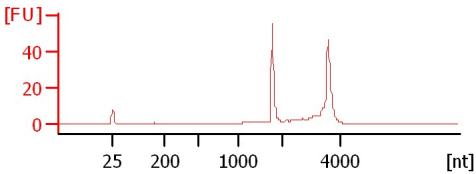
NCoR-513B
QC_050
RIN: 9



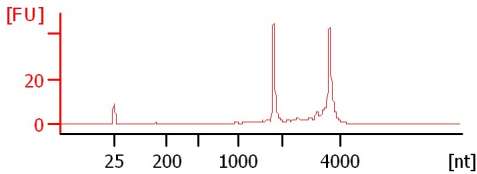
NCoR-508B
QC_050
RIN: 8.40



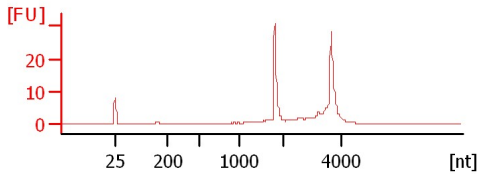
NCoRw-416
QC_050
RIN: 9.30



NCoRw-417
QC_050
RIN: 9



NCoRw-418
QC_050
RIN: 9.10



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
C57B/6N-323	QC_050	✓	RIN: 7.90	
C57B/6N-324	QC_050	✓	RIN:8	
C57B/6N-325	QC_050	✓	RIN: 9.30	
NCoR-507	QC_050	✓	RIN: 9.10	
NCoR-509	QC_050	✓	RIN: 8.50	
NCoR-513A	QC_050	✓	RIN: 8.30	
NCoR-508A	QC_050	✓	RIN: 8.70	
NCoR-513B	QC_050	✓	RIN:9	
NCoR-508B	QC_050	✓	RIN: 8.40	
NCoRw-416	QC_050	✓	RIN: 9.30	
NCoRw-417	QC_050	✓	RIN:9	
NCoRw-418	QC_050	✓	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\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

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

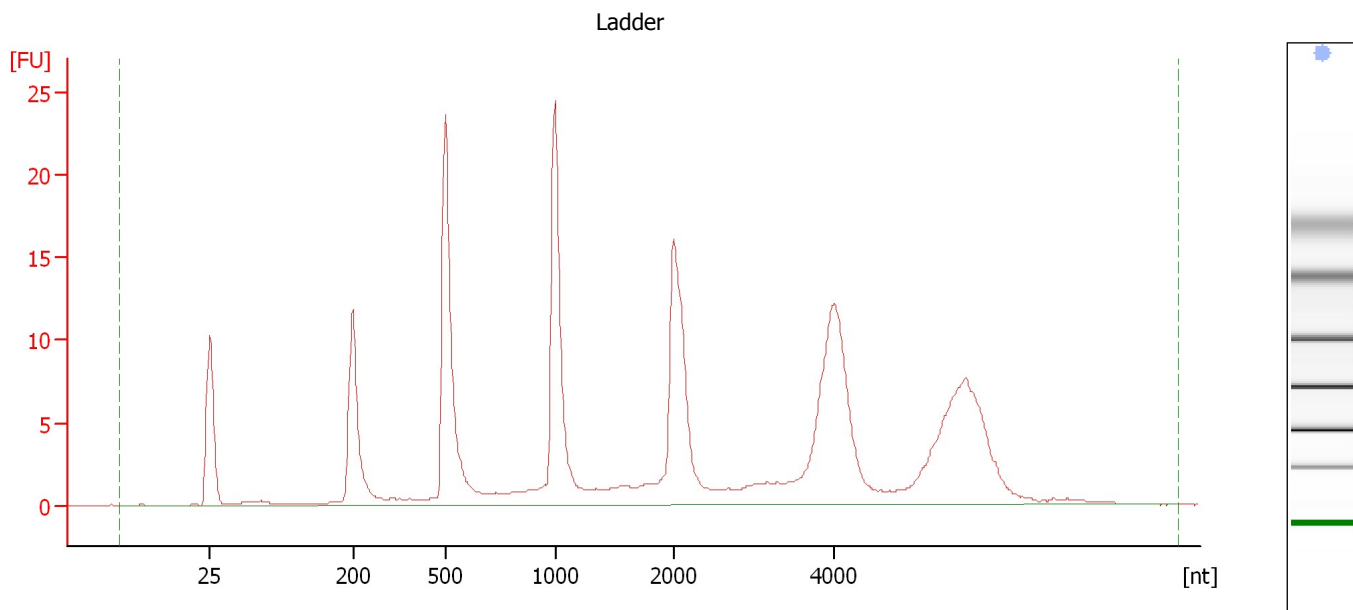
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary



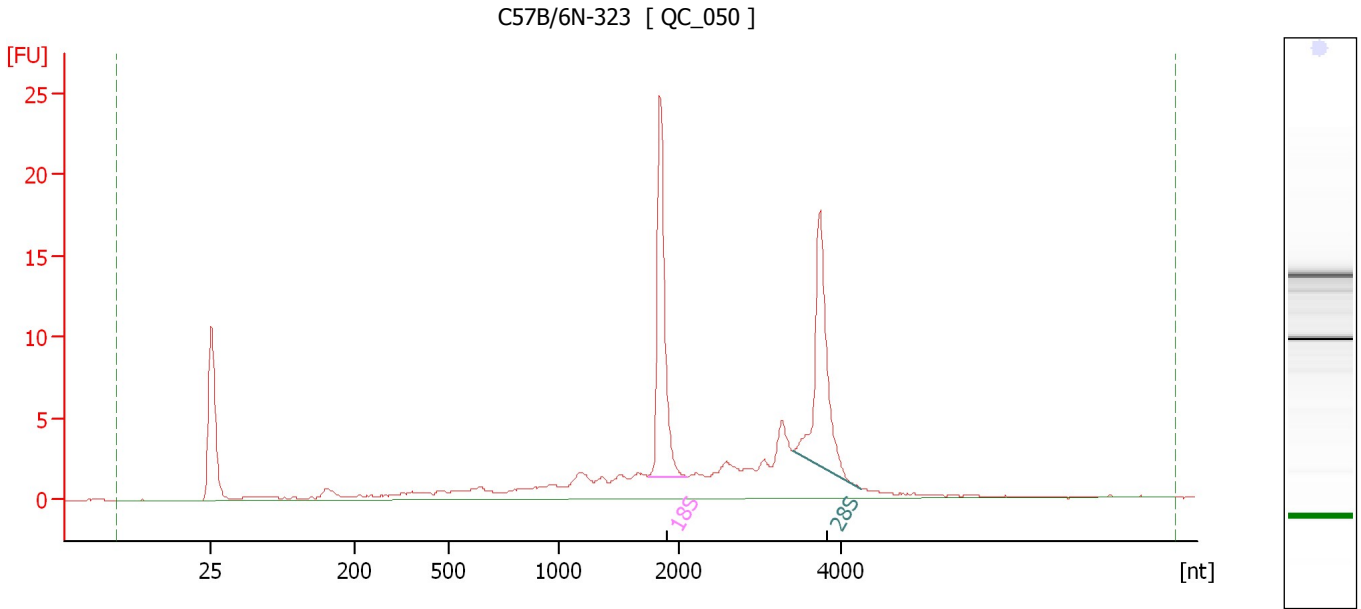
Overall Results for Ladder

RNA Area:	219.4	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : C57B/6N-323

RNA Area: 106.0 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 72 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.0 Result Flagging Label: RIN: 7.90

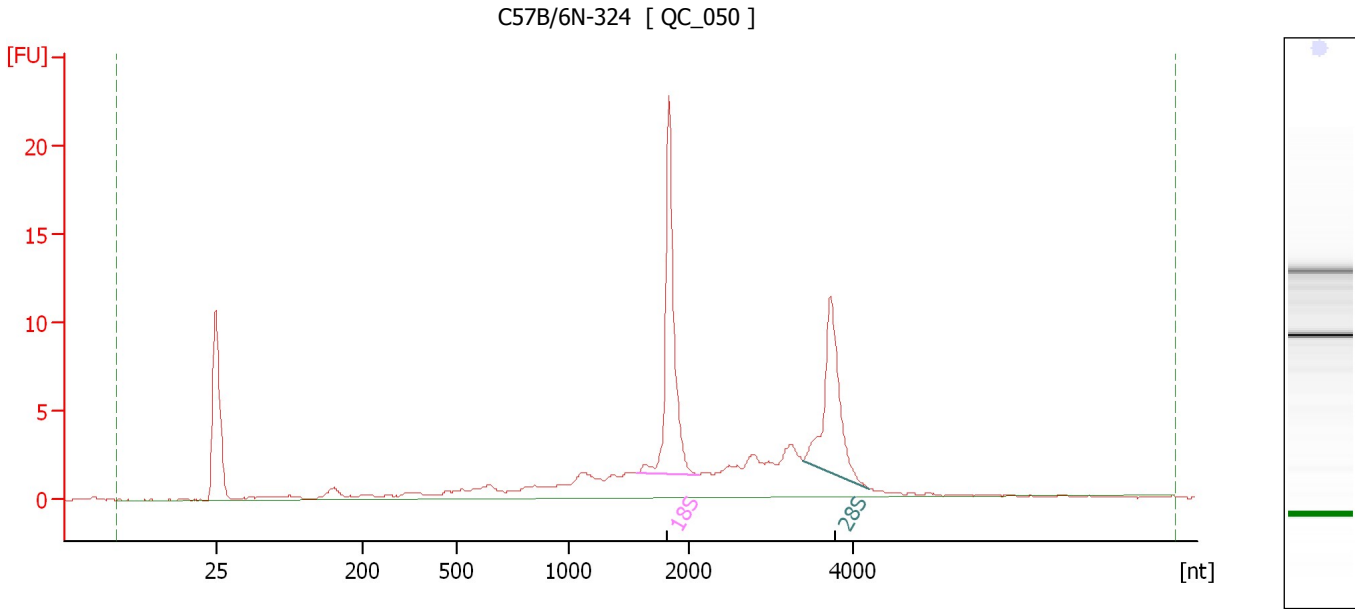
Fragment table for sample 1 : C57B/6N-323

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,743	2,096	19.8	18.7
28S	3,396	4,250	18.9	17.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
 Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : C57B/6N-324

RNA Area:	98.6	RNA Integrity Number (RIN):	8 (B.02.08)
RNA Concentration:	67 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.7	Result Flagging Label:	RIN:8

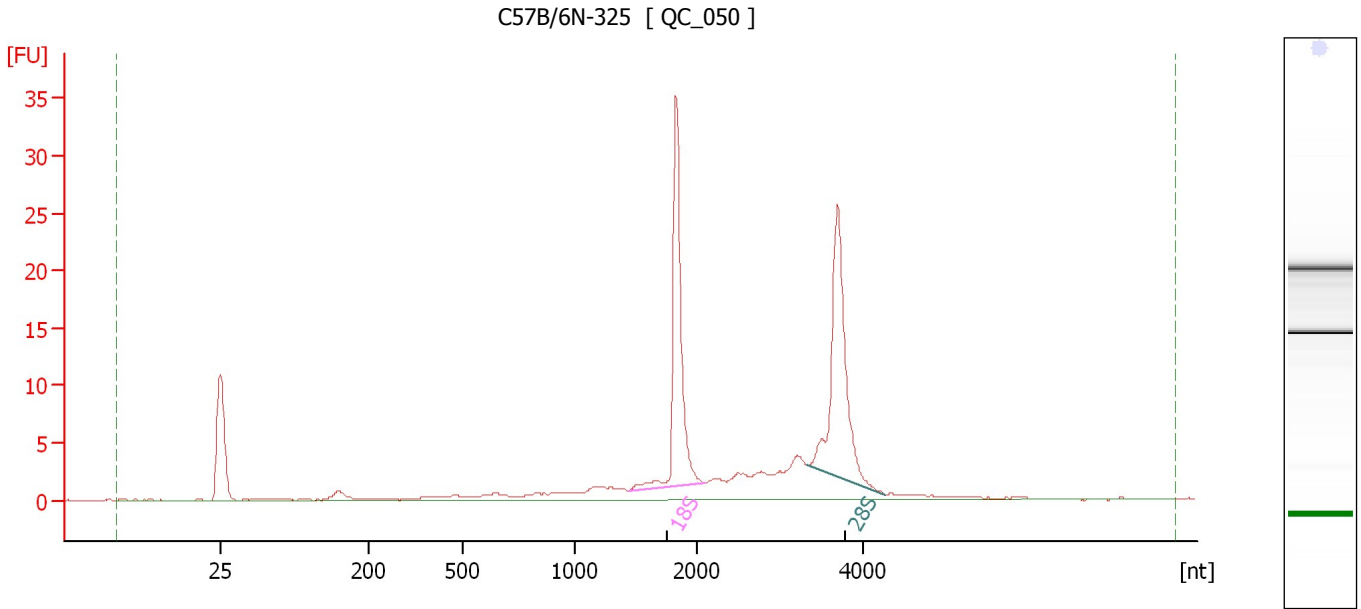
Fragment table for sample 2 : C57B/6N-324

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,573	2,113	21.6	21.9
28S	3,387	4,193	15.3	15.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : C57B/6N-325

RNA Area:	126.3	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	86 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 9.30

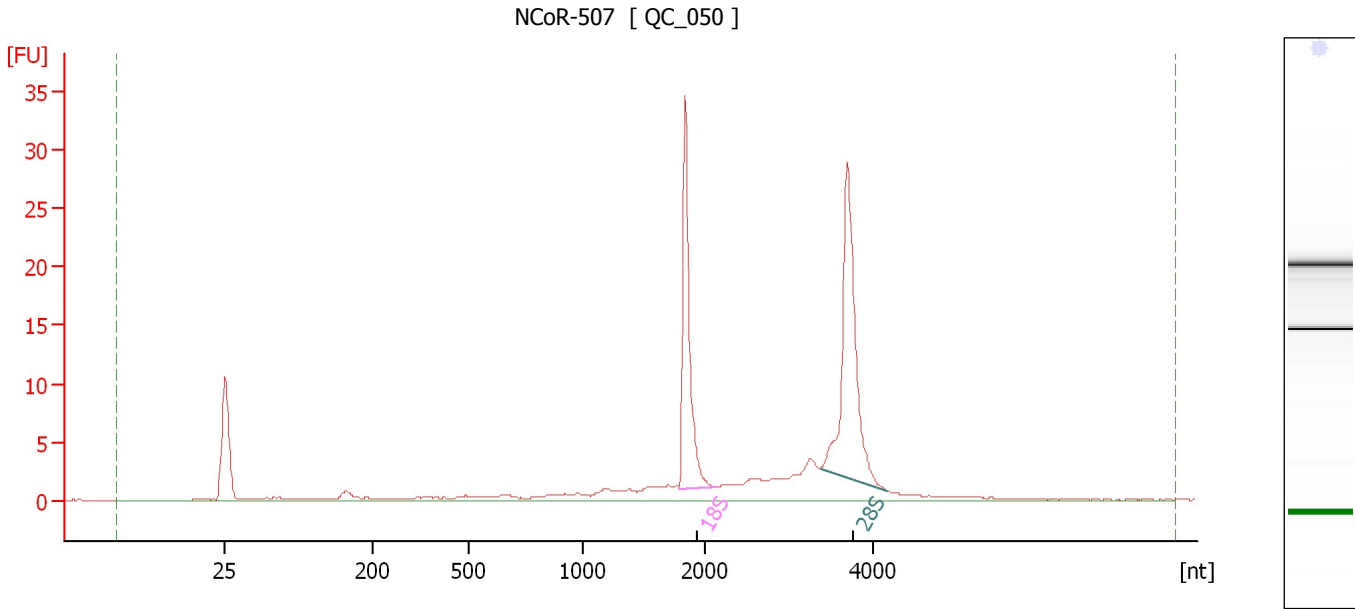
Fragment table for sample 3 : C57B/6N-325

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,448	2,104	30.8	24.4
28S	3,316	4,270	33.1	26.2

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : NCoR-507

RNA Area: 119.1 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 81 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 9.10

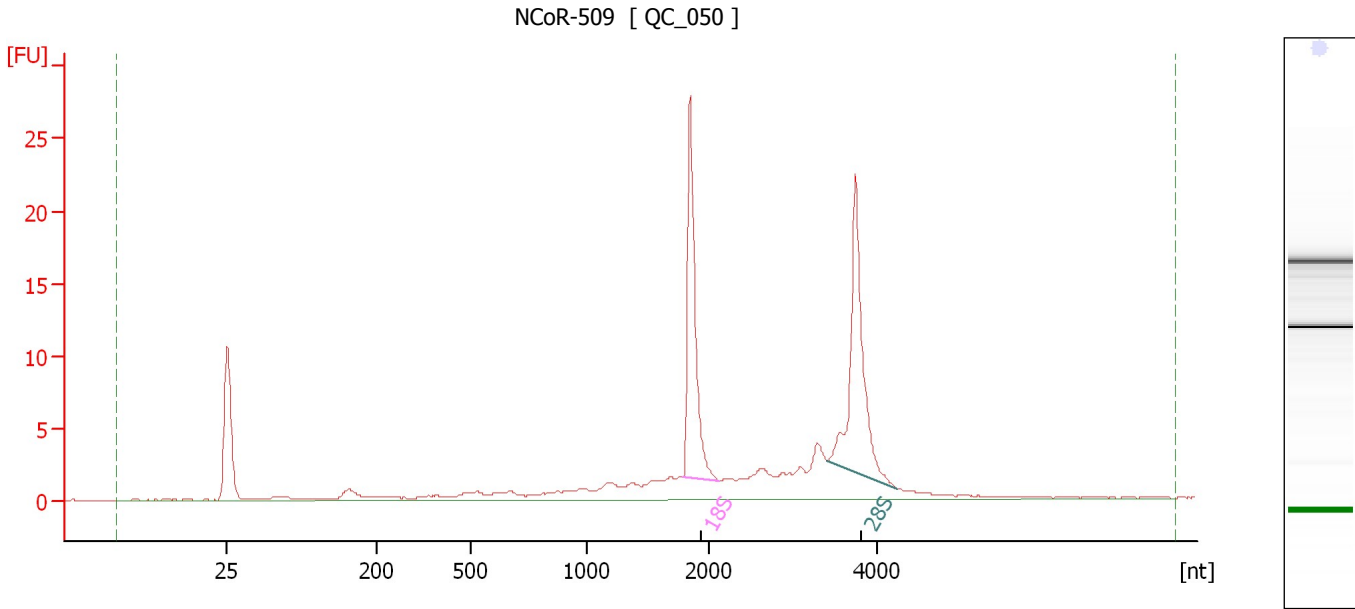
Fragment table for sample 4 : NCoR-507

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,786	2,146	26.9	22.6
28S	3,373	4,166	34.6	29.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NCoR-509

RNA Area: 109.0 RNA Integrity Number (RIN): 8.5 (B.02.08)
RNA Concentration: 75 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.1 Result Flagging Label: RIN: 8.50

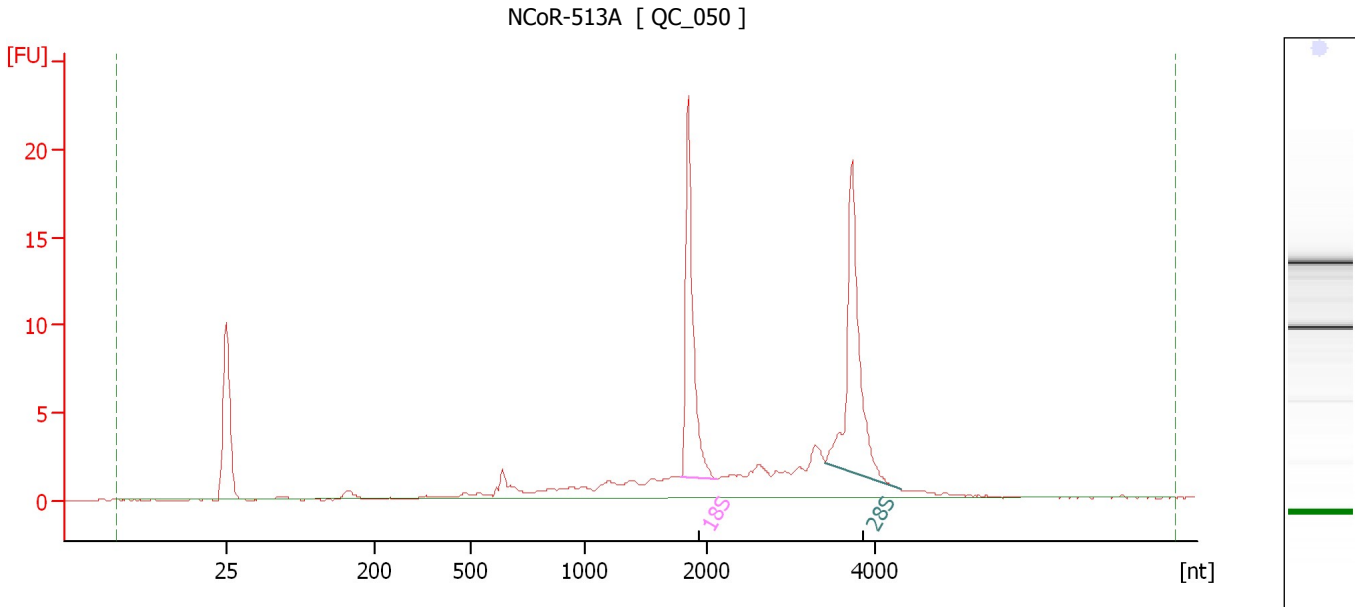
Fragment table for sample 5 : NCoR-509

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,788	2,109	22.5	20.6
28S	3,408	4,236	24.3	22.3

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
 Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 6 : NCoR-513A

RNA Area:	90.6	RNA Integrity Number (RIN):	8.3 (B.02.08)
RNA Concentration:	62 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.30

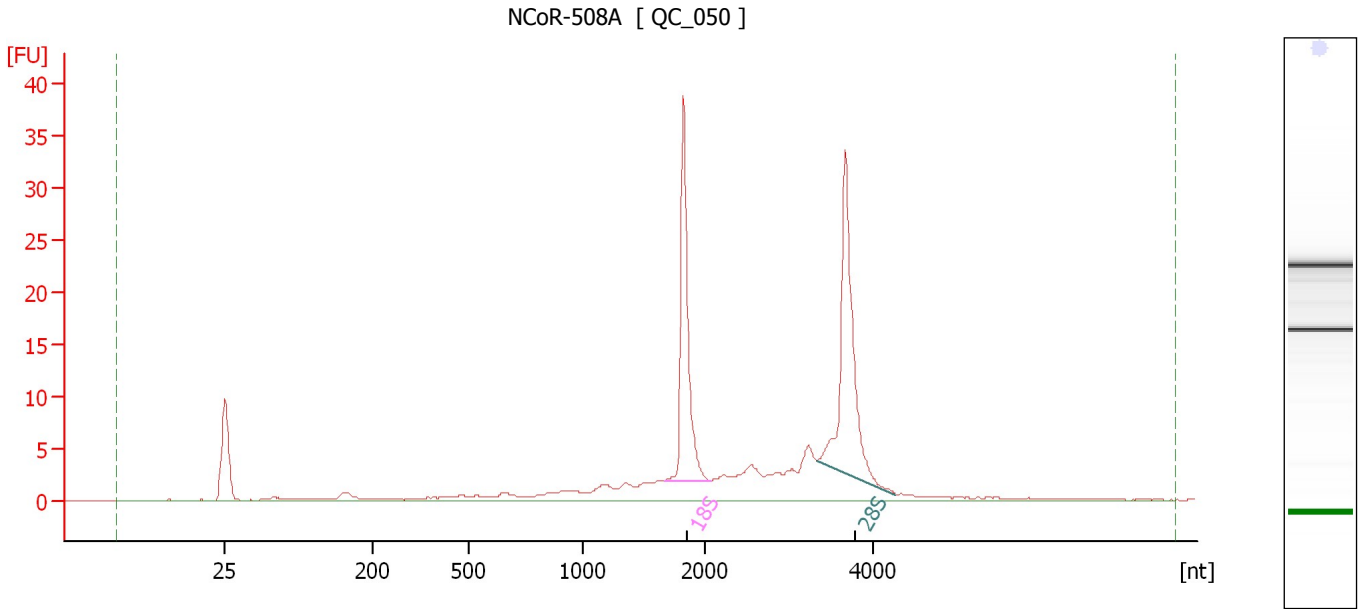
Fragment table for sample 6 : NCoR-513A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,787	2,121	18.2	20.1
28S	3,410	4,303	20.6	22.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 7 : NCoR-508A

RNA Area:	150.3	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	103 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.70

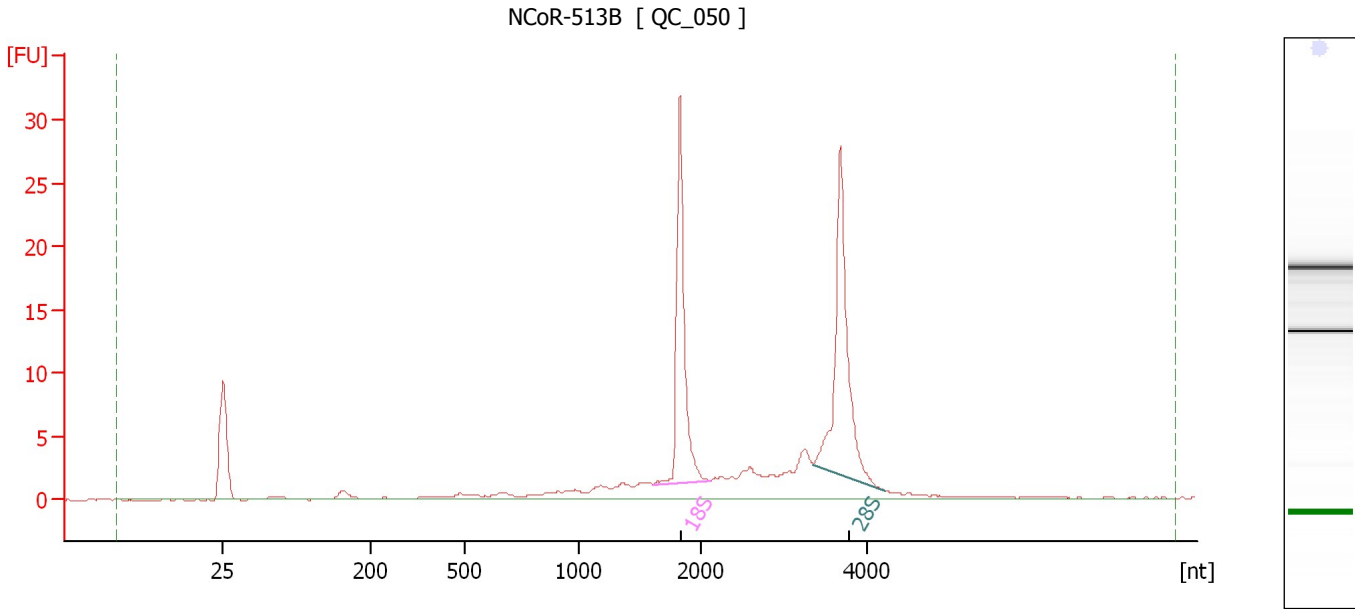
Fragment table for sample 7 : NCoR-508A

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	2,056	31.9	21.2
28S	3,348	4,281	36.7	24.4

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : NCoR-513B

RNA Area: 117.0 RNA Integrity Number (RIN): 9 (B.02.08)
RNA Concentration: 80 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.2 Result Flagging Label: RIN:9

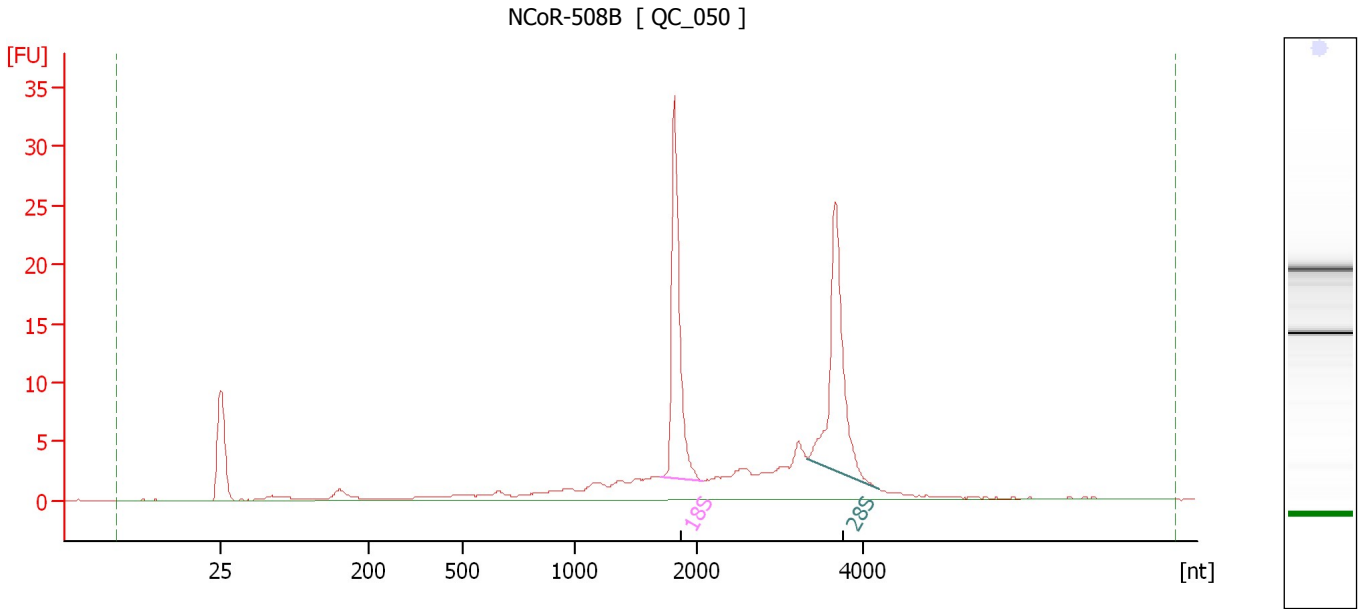
Fragment table for sample 8 : NCoR-513B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	2,118	26.3	22.5
28S	3,351	4,198	31.2	26.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NCoR-508B

RNA Area:	138.0	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	94 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.40

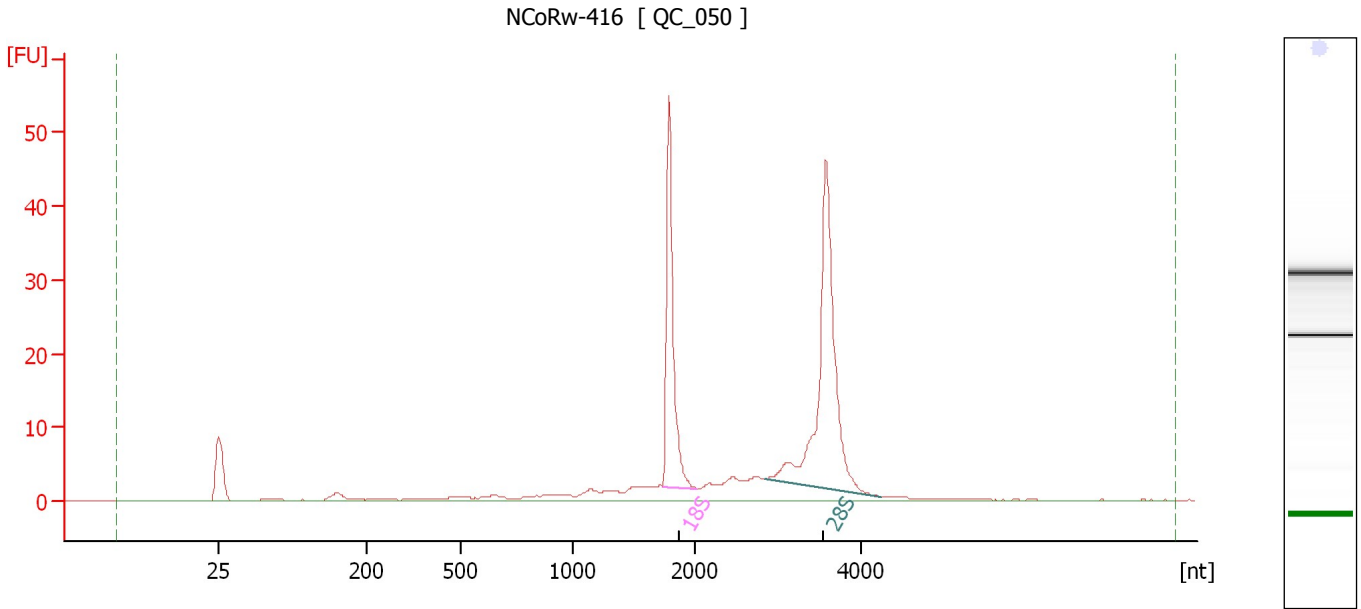
Fragment table for sample 9 : NCoR-508B

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,702	2,065	28.3	20.5
28S	3,329	4,192	29.3	21.2

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
 Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : NCoRw-416

RNA Area:	188.5	RNA Integrity Number (RIN):	9.3 (B.02.08)
RNA Concentration:	129 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.7	Result Flagging Label:	RIN: 9.30

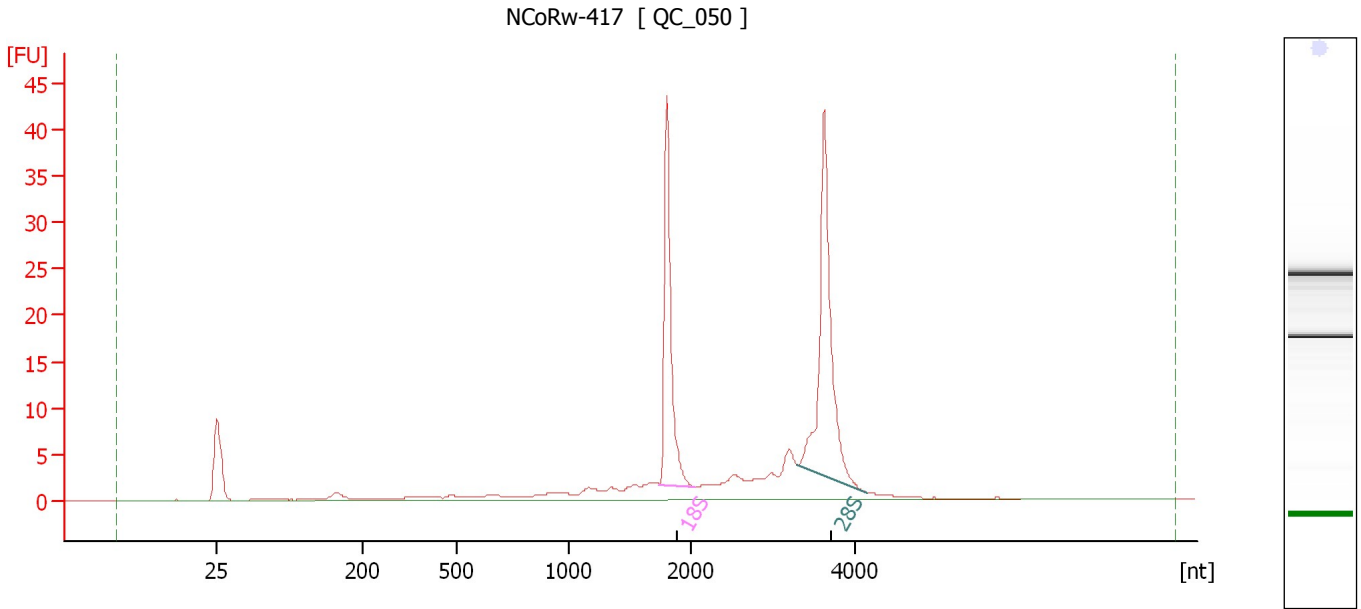
Fragment table for sample 10 : NCoRw-416

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,025	42.6	22.6
28S	2,852	4,247	71.9	38.1

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
 Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NCoRw-417

RNA Area:	146.8	RNA Integrity Number (RIN):	9 (B.02.08)
RNA Concentration:	100 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN:9

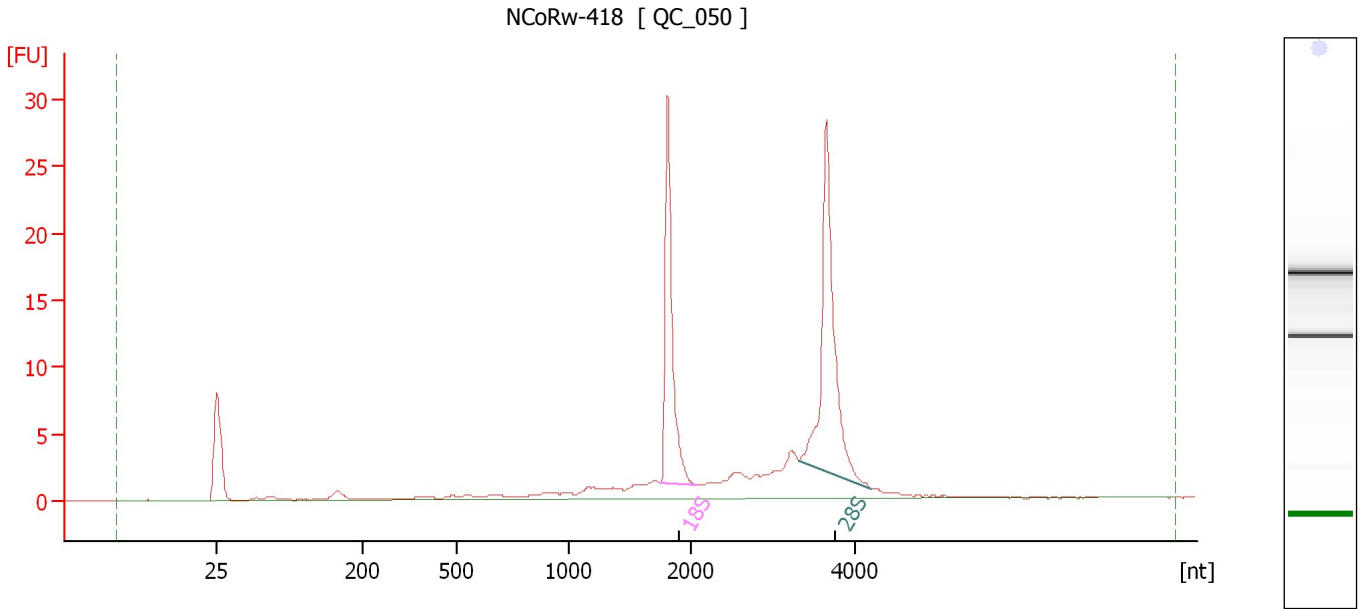
Fragment table for sample 11 : NCoRw-417

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,742	2,049	34.5	23.5
28S	3,295	4,125	45.2	30.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : NCoRw-418

RNA Area: 112.5 RNA Integrity Number (RIN): 9.1 (B.02.08)
RNA Concentration: 77 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 1.3 Result Flagging Label: RIN: 9.10

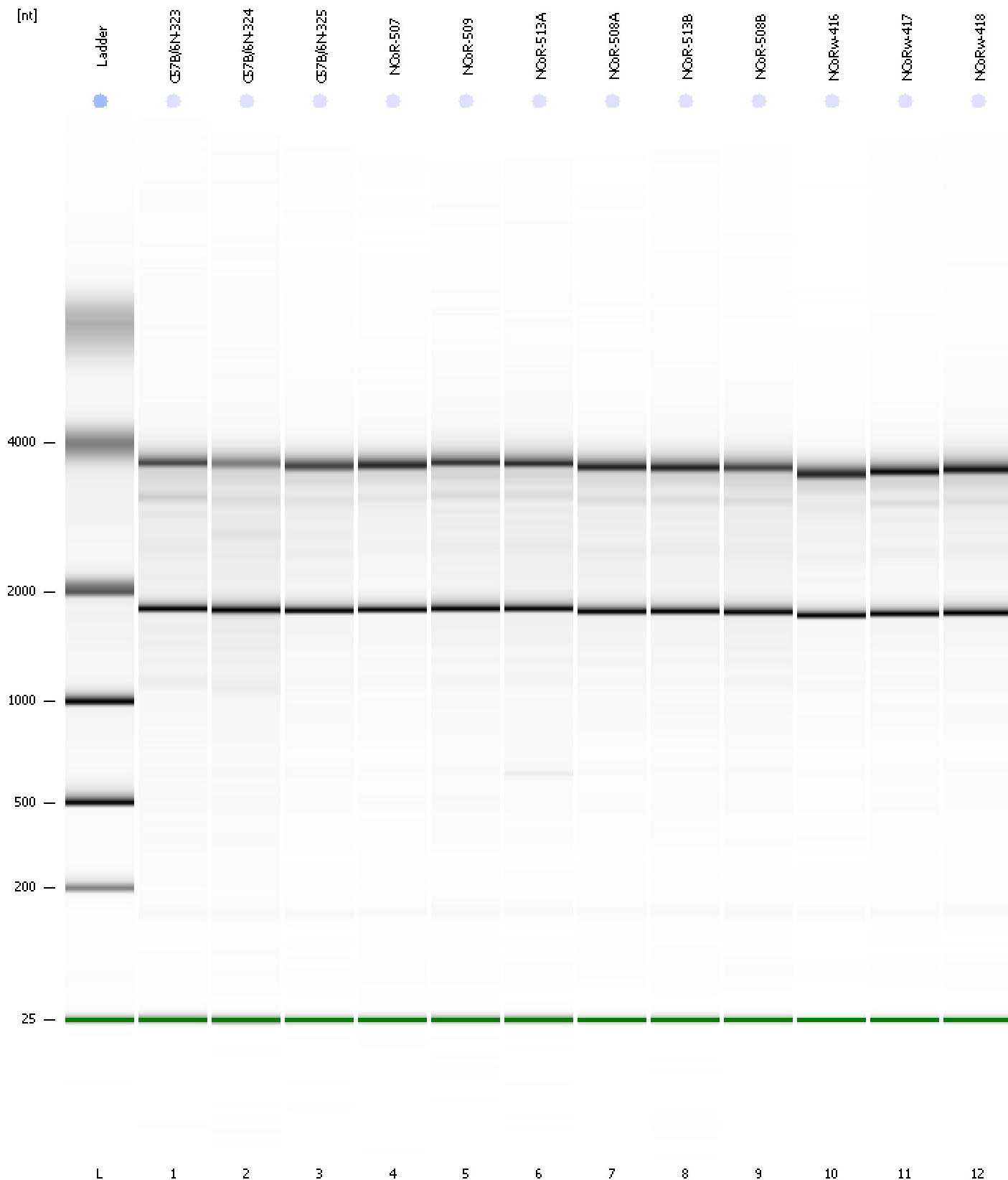
Fragment table for sample 12 : NCoRw-418

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,751	2,075	25.1	22.3
28S	3,321	4,177	32.6	29.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Gel Image

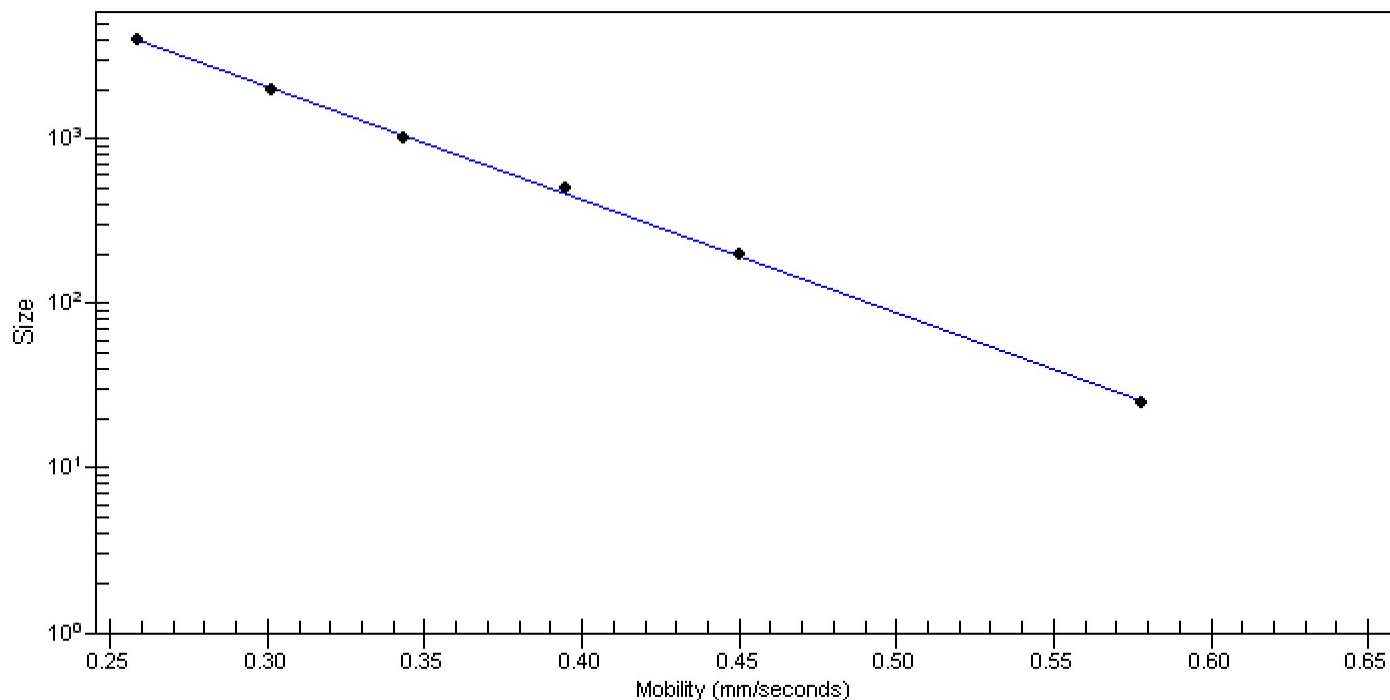


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
Modified: 11/17/2015 11:31:49 AM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...ents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad

Created: 11/17/2015 11:08:02 AM
 Modified: 11/17/2015 11:31:49 AM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 13)		Instrument	Run		11/17/2015 11:31:48 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Run started on port 1 (File: C:\Documents and Settings\Bioanalyzer\2015-11-17\2015-11-17_002.xad)		Instrument	Run		11/17/2015 11:08:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Product Number : G2938B		Instrument	Run		11/17/2015 11:08:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Name :		Instrument	Run		11/17/2015 11:08:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Vendor : Agilent Technologies		Instrument	Run		11/17/2015 11:08:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Serial# : DE13701086		Instrument	Run		11/17/2015 11:08:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Firmware : C.01.069		Instrument	Run		11/17/2015 11:08:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1
Cartridge : Electrode		Instrument	Run		11/17/2015 11:08:07 AM	(GMT --08:00) Pacific Standard Time	UC Davis	D8XSMGH1