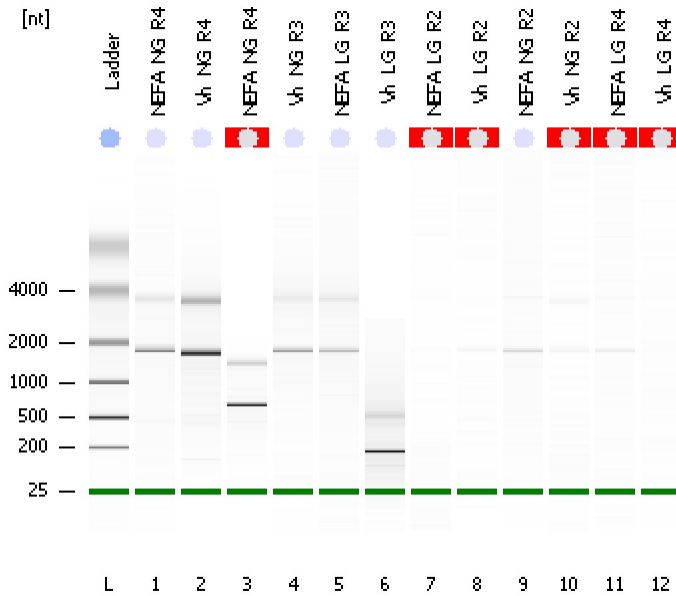


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electrophoresis File Run Summary



Instrument Information:

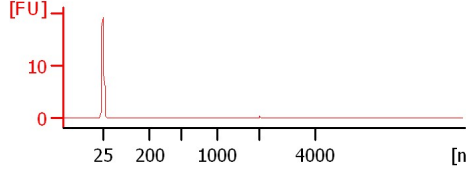
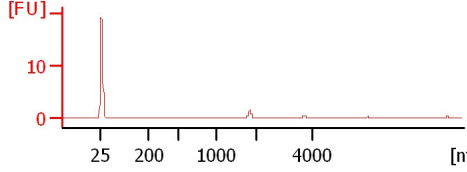
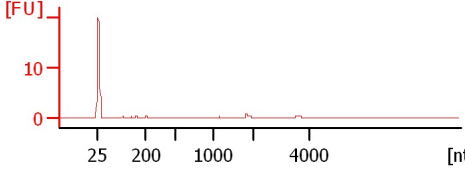
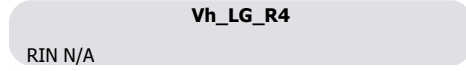
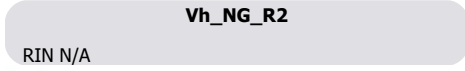
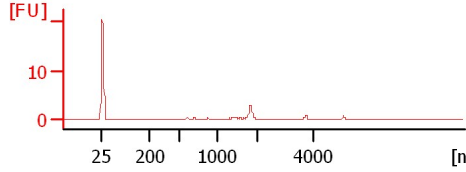
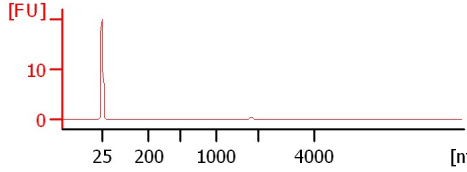
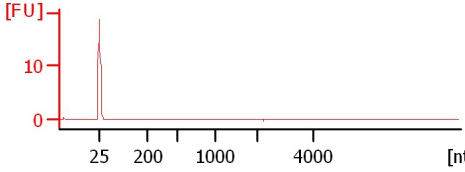
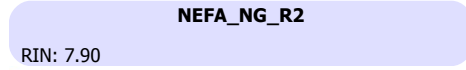
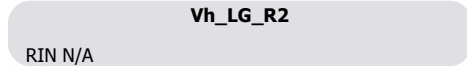
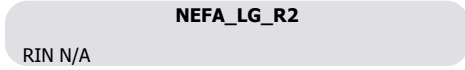
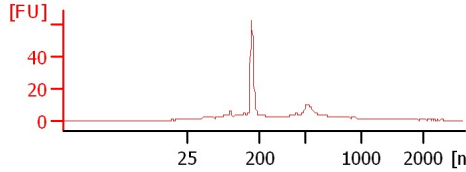
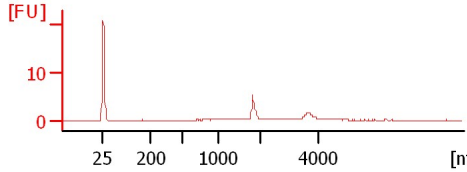
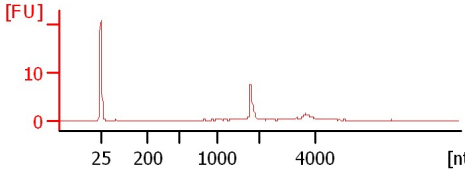
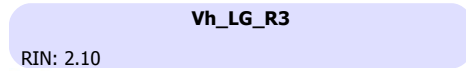
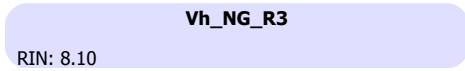
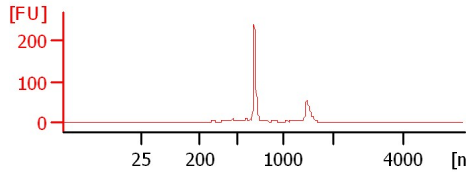
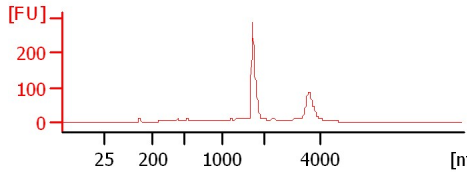
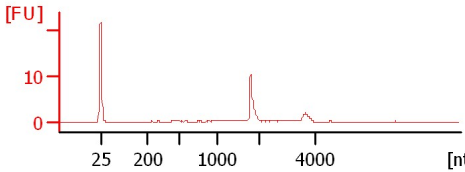
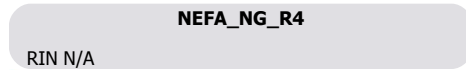
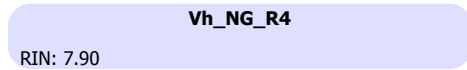
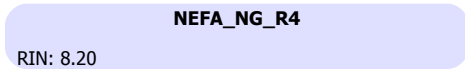
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

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)
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Chip Information:

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



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
NEFA_NG_R4		✓	RIN: 8.20	
Vh_NG_R4		✓	RIN: 7.90	
NEFA_NG_R4		✓	RIN N/A	
Vh_NG_R3		✓	RIN: 8.10	
NEFA_LG_R3		✓	RIN: 8.30	
Vh_LG_R3		✓	RIN: 2.10	
NEFA_LG_R2		✓	RIN N/A	
Vh_LG_R2		✓	RIN N/A	
NEFA_NG_R2		✓	RIN: 7.90	
Vh_NG_R2		✓	RIN N/A	
NEFA_LG_R4		✓	RIN N/A	
Vh_LG_R4		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 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

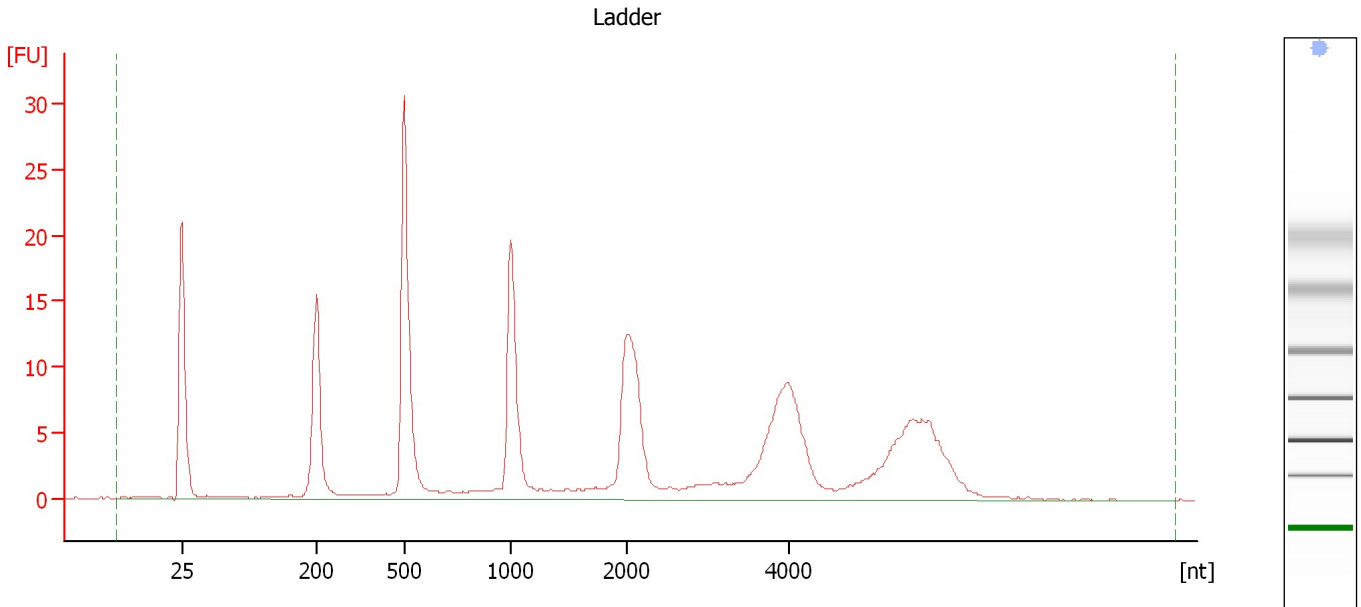
Ladder

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

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary



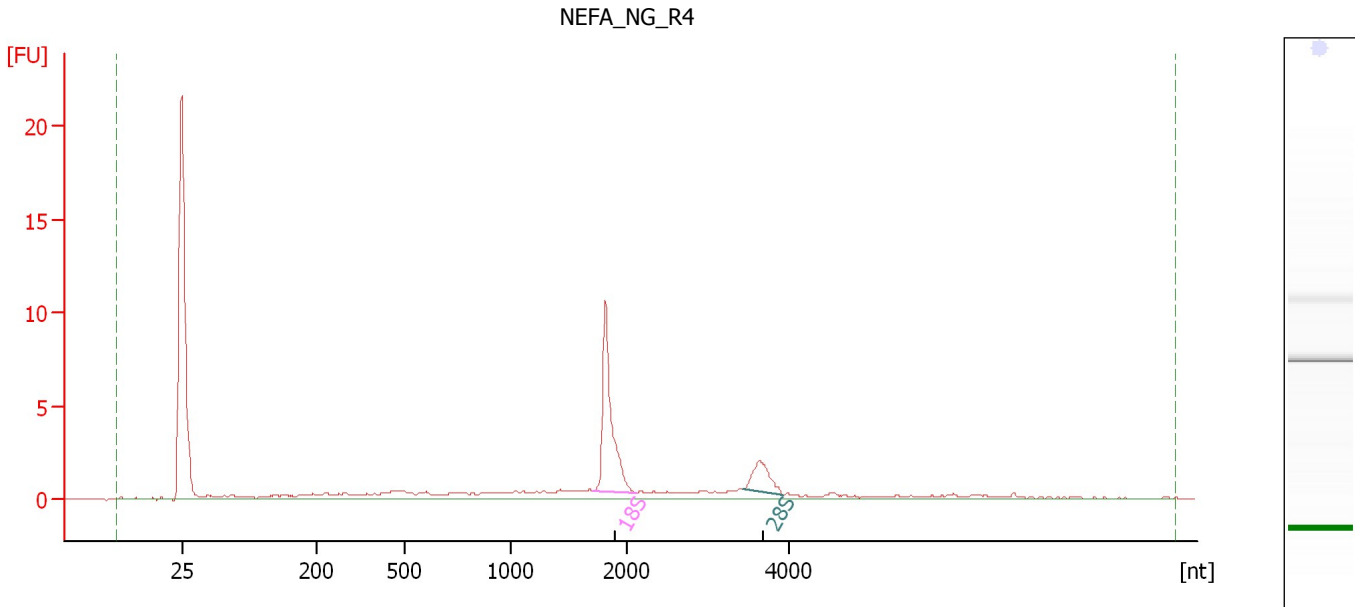
Overall Results for Ladder

RNA Area:	215.4	Result Flagging Color:	
RNA Concentration:	150 ng/ μ l	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 1 : NEFA_NG_R4

RNA Area: 36.5 RNA Integrity Number (RIN): 8.2 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 25 ng/μl
rRNA Ratio [28s / 18s]: 0.3
Result Flagging Color:
Result Flagging Label: RIN: 8.20

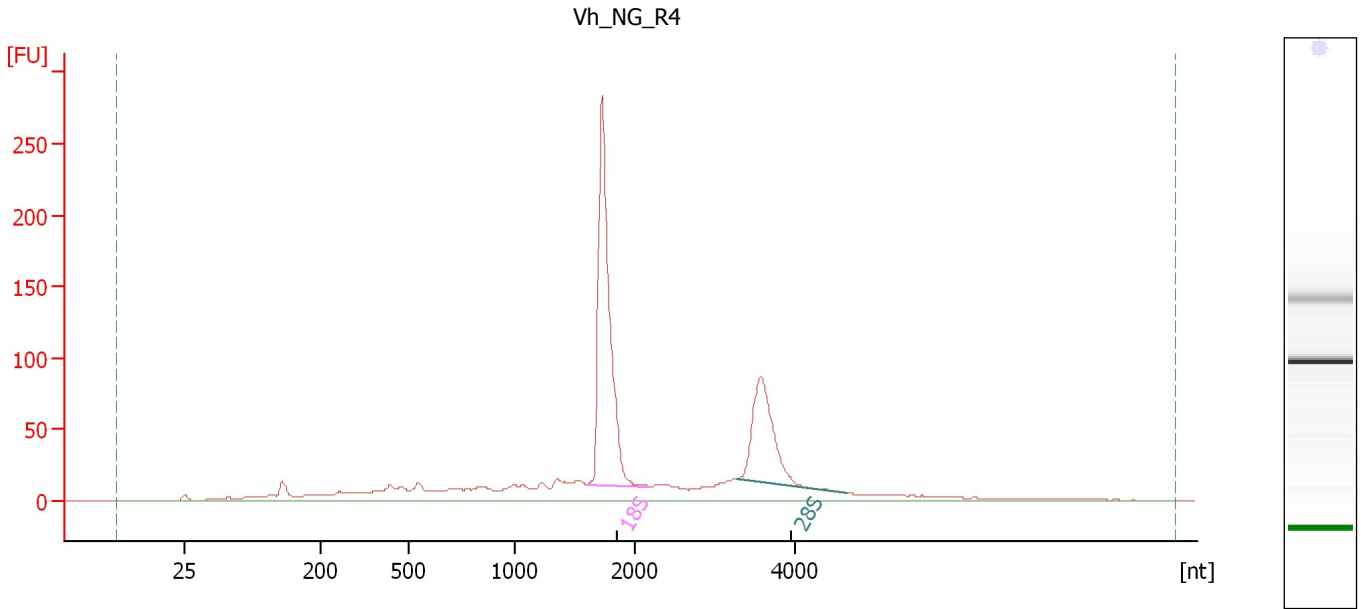
Fragment table for sample 1 : NEFA_NG_R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,709	2,106	11.7	32.1
28S	3,439	3,946	3.1	8.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 2 : Vh_NG_R4

RNA Area:	1,229.9	RNA Integrity Number (RIN):	7.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	856 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.4	Result Flagging Label:	RIN: 7.90

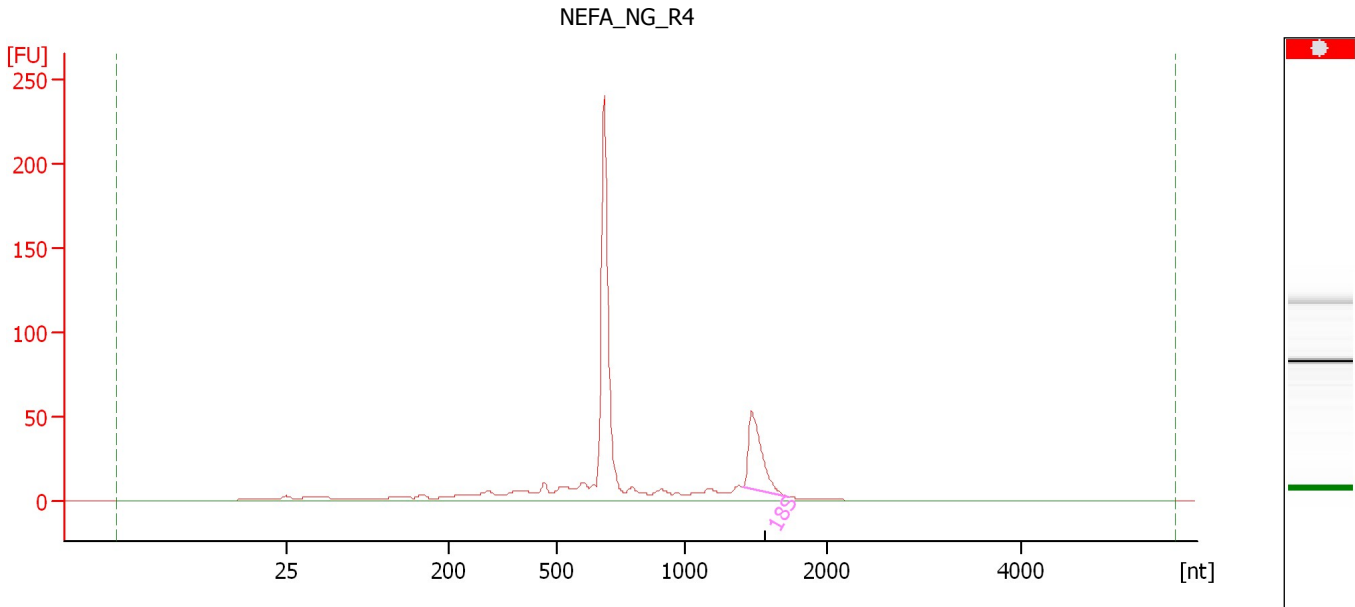
Fragment table for sample 2 : Vh_NG_R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,595	2,188	377.1	30.7
28S	3,274	4,638	169.1	13.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 3 : NEFA_NG_R4

RNA Area:	552.7	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	385 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

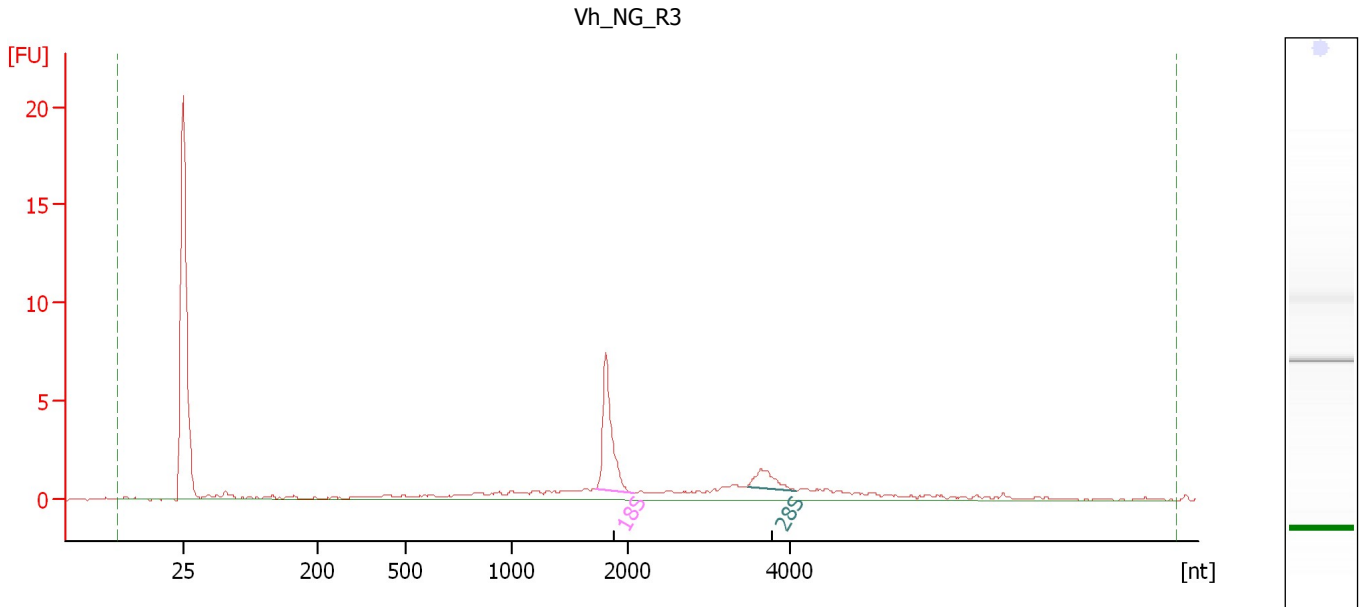
Fragment table for sample 3 : NEFA_NG_R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,411	1,732	65.2	11.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 4 : Vh_NG_R3

RNA Area: 37.9 RNA Integrity Number (RIN): 8.1 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration: 26 ng/μl
rRNA Ratio [28s / 18s]: 0.3
Result Flagging Color:
Result Flagging Label: RIN: 8.10

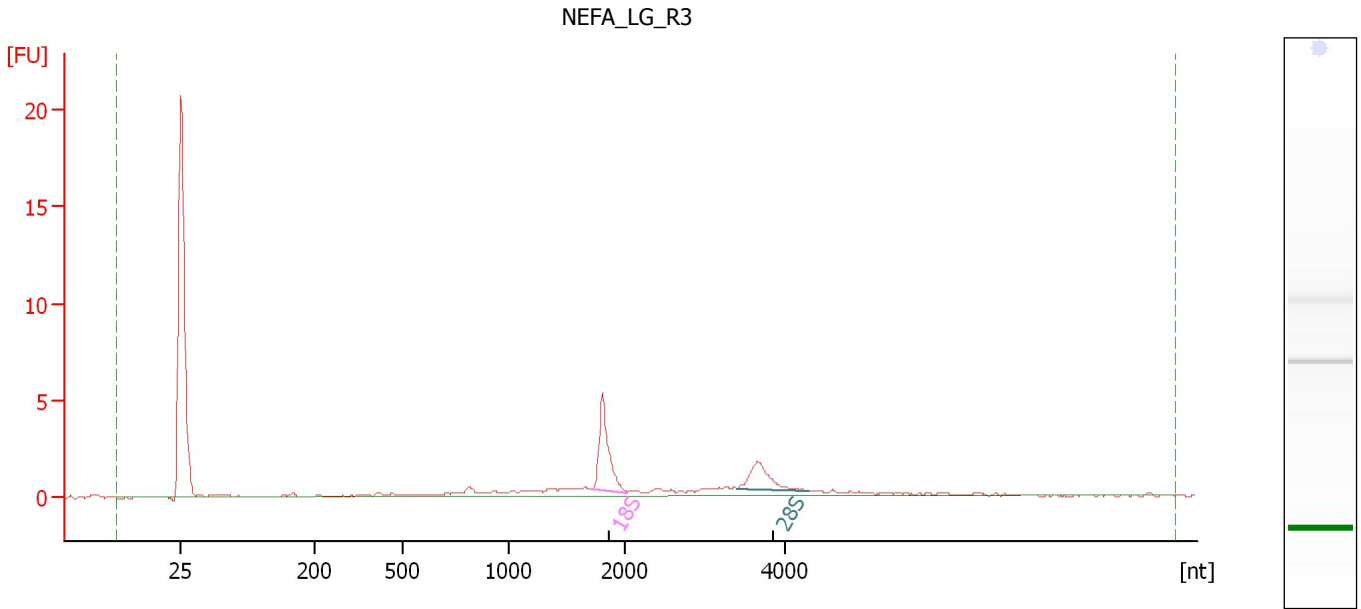
Fragment table for sample 4 : Vh_NG_R3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,727	2,066	8.0	21.0
28S	3,479	4,079	2.2	5.8

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 5 : NEFA LG R3

RNA Area: 28.4 RNA Integrity Number (RIN): 8.3 (B.02.08)
RNA Concentration: 20 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.5 Result Flagging Label: RIN: 8.30

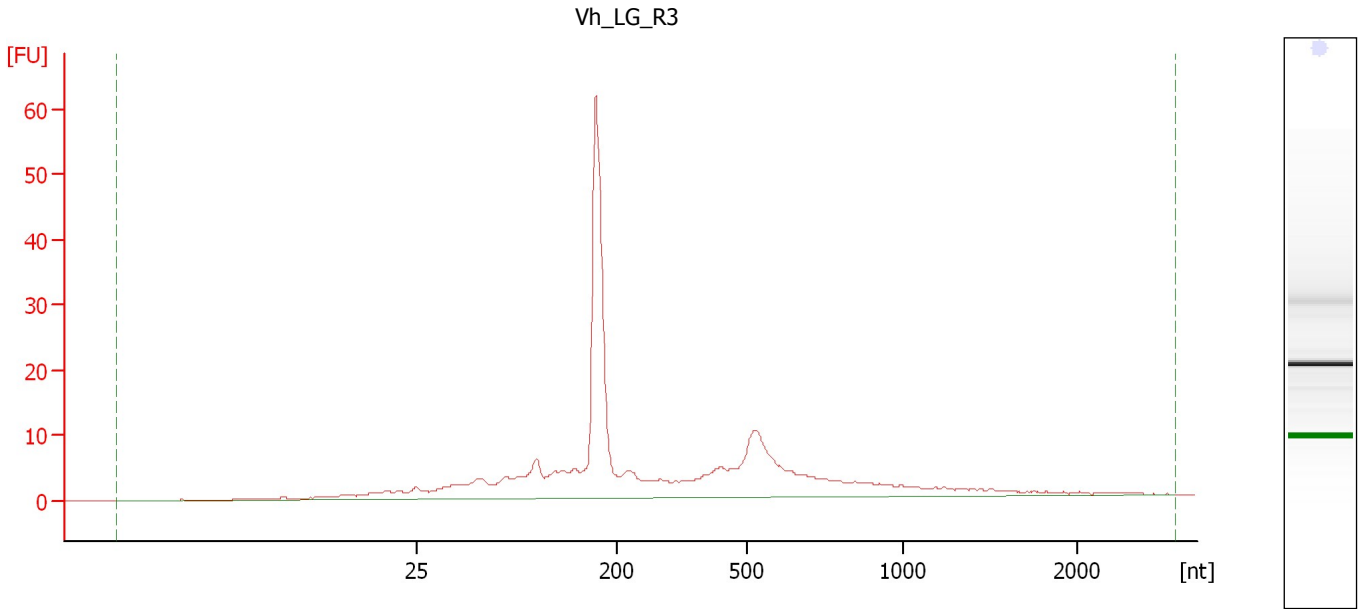
Fragment table for sample 5 : NEFA LG R3

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,707	2,025	5.8	20.2
28S	3,402	4,297	3.0	10.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



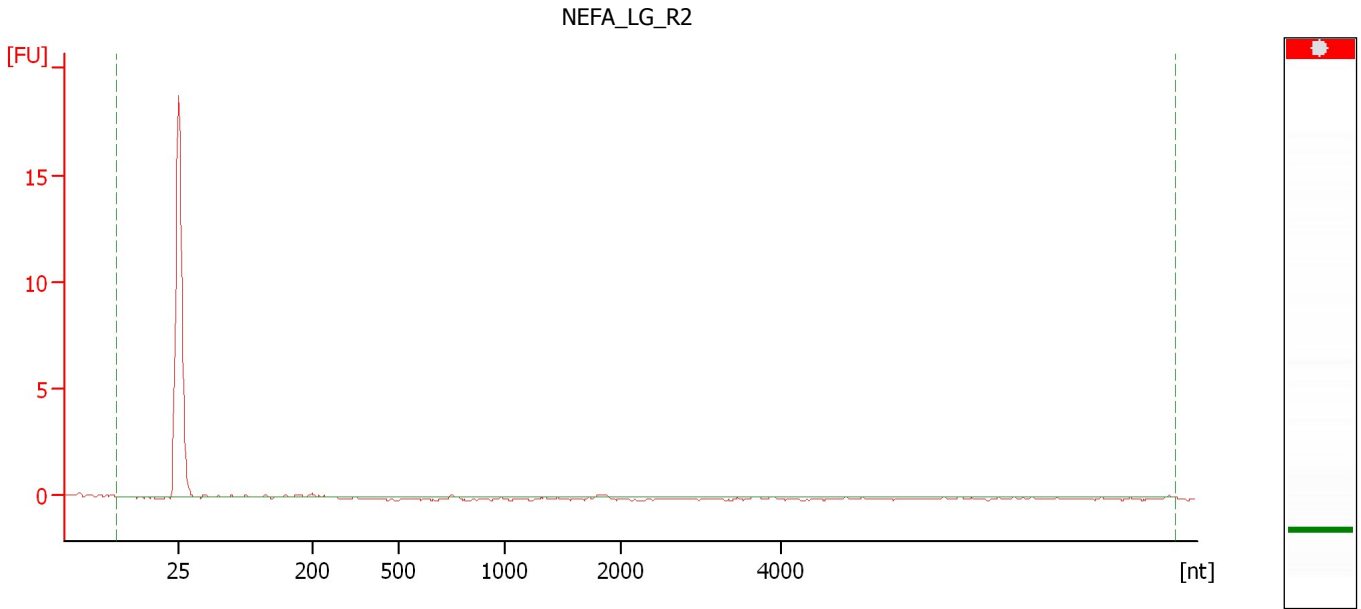
Overall Results for sample 6 : Vh_LG_R3

RNA Area:	261.3	RNA Integrity Number (RIN):	2.1 (B.02.08)
RNA Concentration:	182 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN: 2.10

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



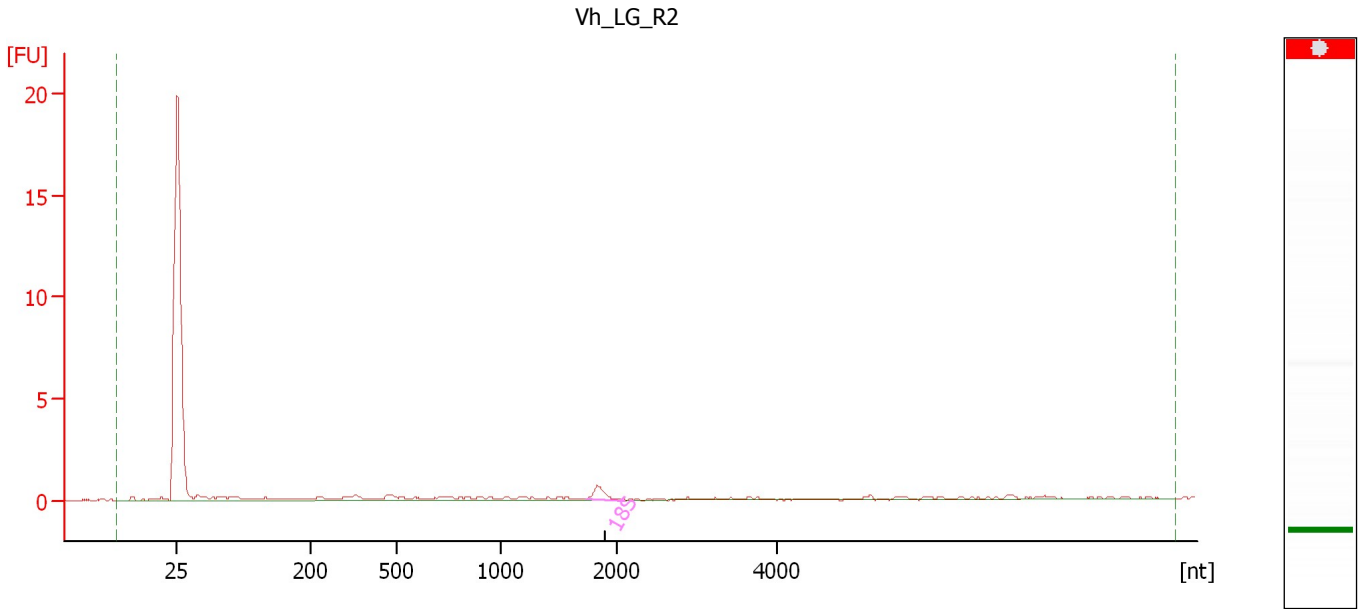
Overall Results for sample 7 : NEFA_LG_R2

RNA Area:	1.8	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	1 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 8 : Vh_LG_R2

RNA Area:	9.3	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	6 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

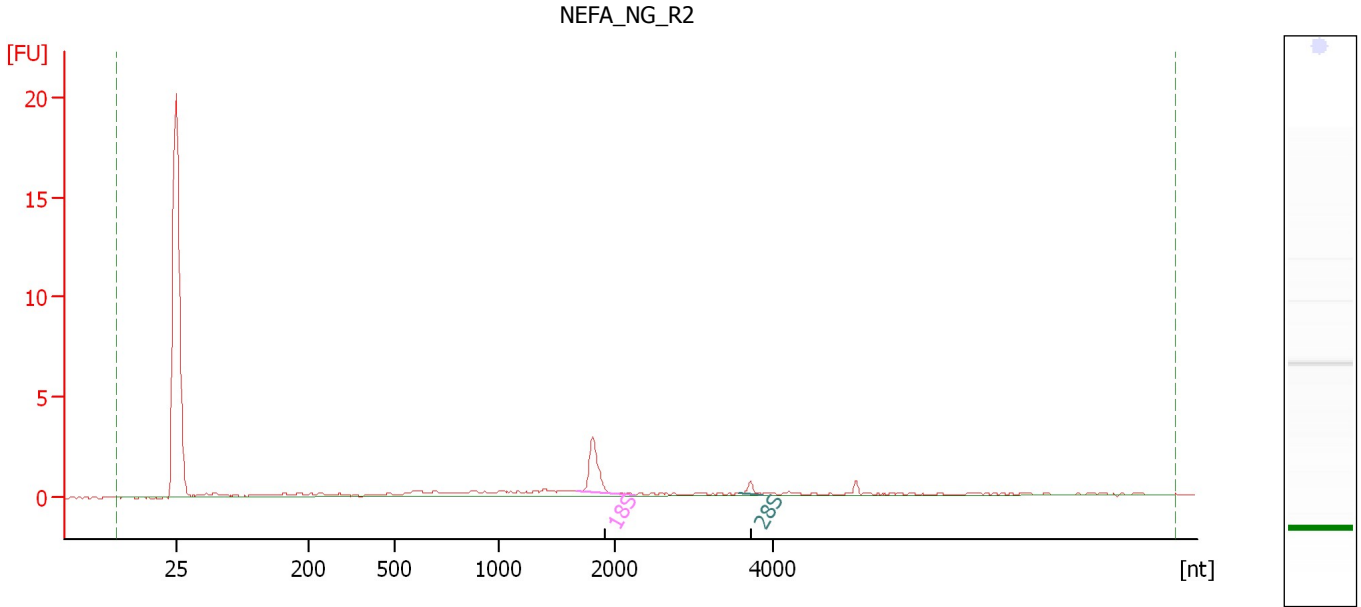
Fragment table for sample 8 : Vh_LG_R2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,729	2,102	1.0	10.3

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 9 : NEFA_NG_R2

RNA Area: 16.1 RNA Integrity Number (RIN): 7.9 (B.02.08)
RNA Concentration: 11 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.1 Result Flagging Label: RIN: 7.90

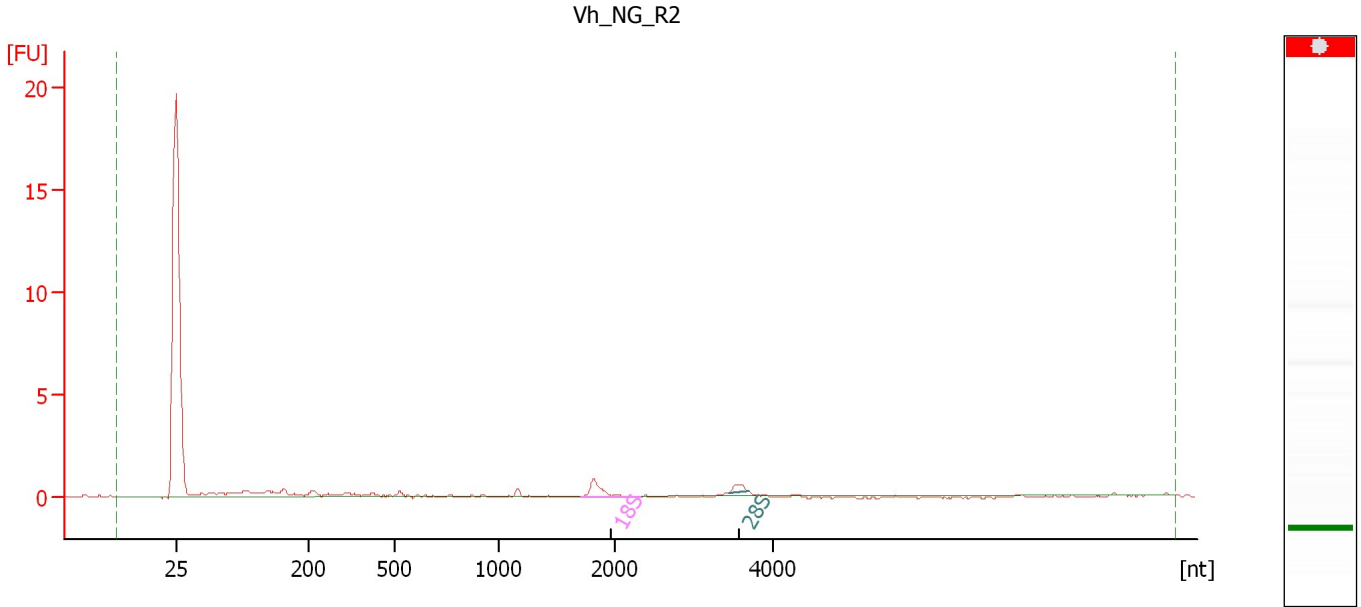
Fragment table for sample 9 : NEFA_NG_R2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,664	2,250	3.3	20.7
28S	3,574	3,858	0.4	2.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 10 : Vh_NG_R2

RNA Area: 8.5 RNA Integrity Number (RIN): N/A (B.02.08)
RNA Concentration: 6 ng/μl Result Flagging Color:
rRNA Ratio [28s / 18s]: 0.3 Result Flagging Label: RIN N/A

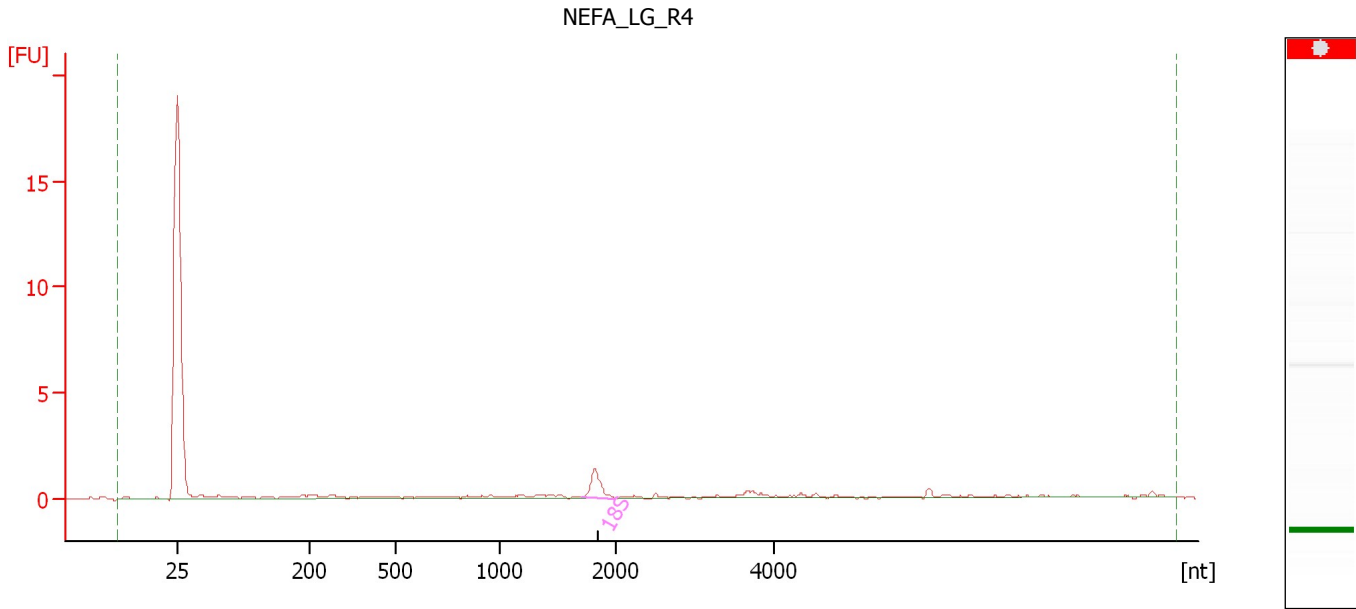
Fragment table for sample 10 : Vh_NG_R2

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,701	2,318	1.4	16.8
28S	3,426	3,696	0.4	5.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 11 : NEFA_LG_R4

RNA Area:	12.0	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	8 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

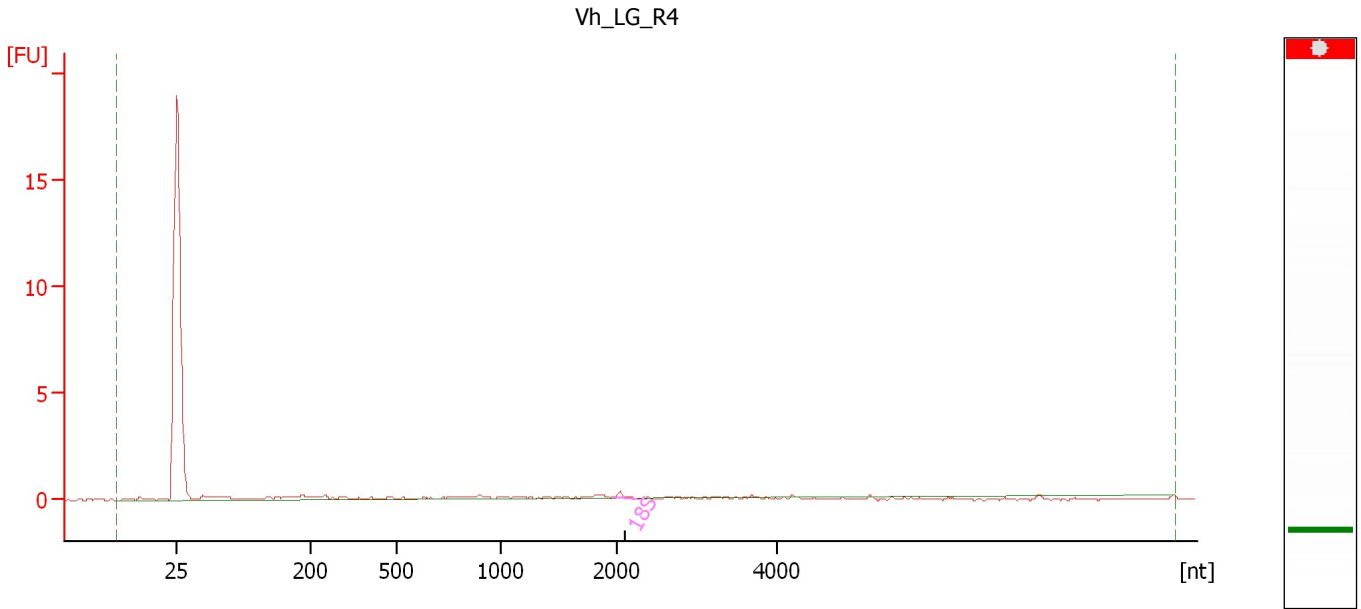
Fragment table for sample 11 : NEFA_LG_R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,710	1,986	1.6	13.5

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Electropherogram Summary Continued ...



Overall Results for sample 12 : Vh_LG_R4

RNA Area:	7.9	RNA Integrity Number (RIN):	N/A (B.02.08)
RNA Concentration:	5 ng/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Fragment table for sample 12 : Vh_LG_R4

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,968	2,251	0.2	3.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\... bioanalyzer\2100 expert\data\2018-05-24\2018-05-24_001.xad

Created: 5/24/2018 10:14:54 AM
Modified: 5/24/2018 10:44:23 AM

Gel Image

