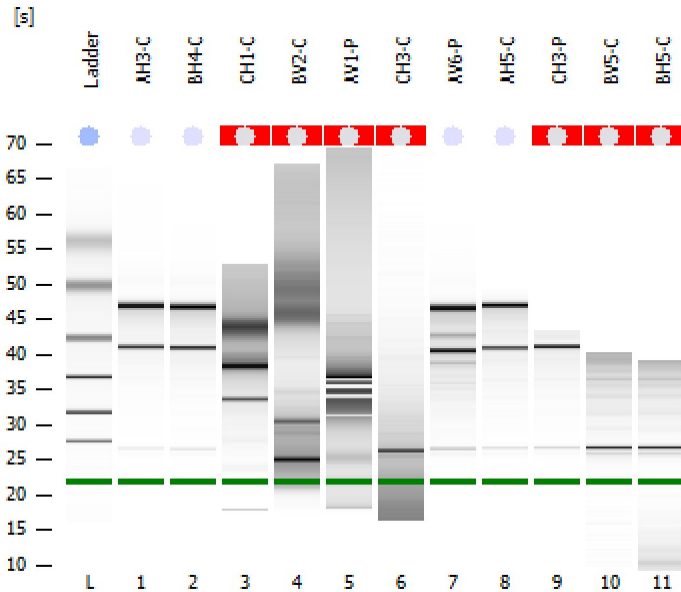


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
Modified: 12/5/2019 12:30:01 PM

Electrophoresis File Run Summary



Instrument Information:

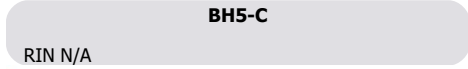
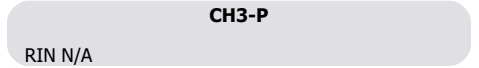
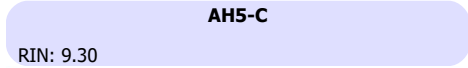
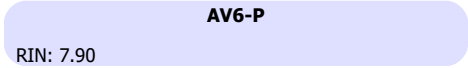
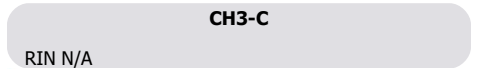
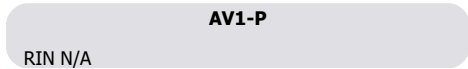
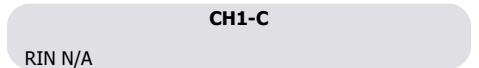
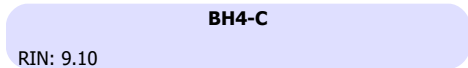
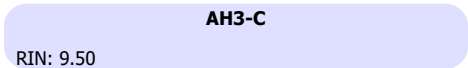
Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files (x86)\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:



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
AH3-C		✓	RIN: 9.50	
BH4-C		✓	RIN: 9.10	
CH1-C		✓	RIN N/A	
BV2-C		✓	RIN N/A	
AV1-P		✓	RIN N/A	
CH3-C		✓	RIN N/A	
AV6-P		✓	RIN: 7.90	
AH5-C		✓	RIN: 9.30	
CH3-P		✓	RIN N/A	
BV5-C		✓	RIN N/A	
BH5-C		✓	RIN N/A	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

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/μl] : 1000
 Lower Marker Concentration [pg/μl] : 0
 Upper Marker Concentration [pg/μl] : 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

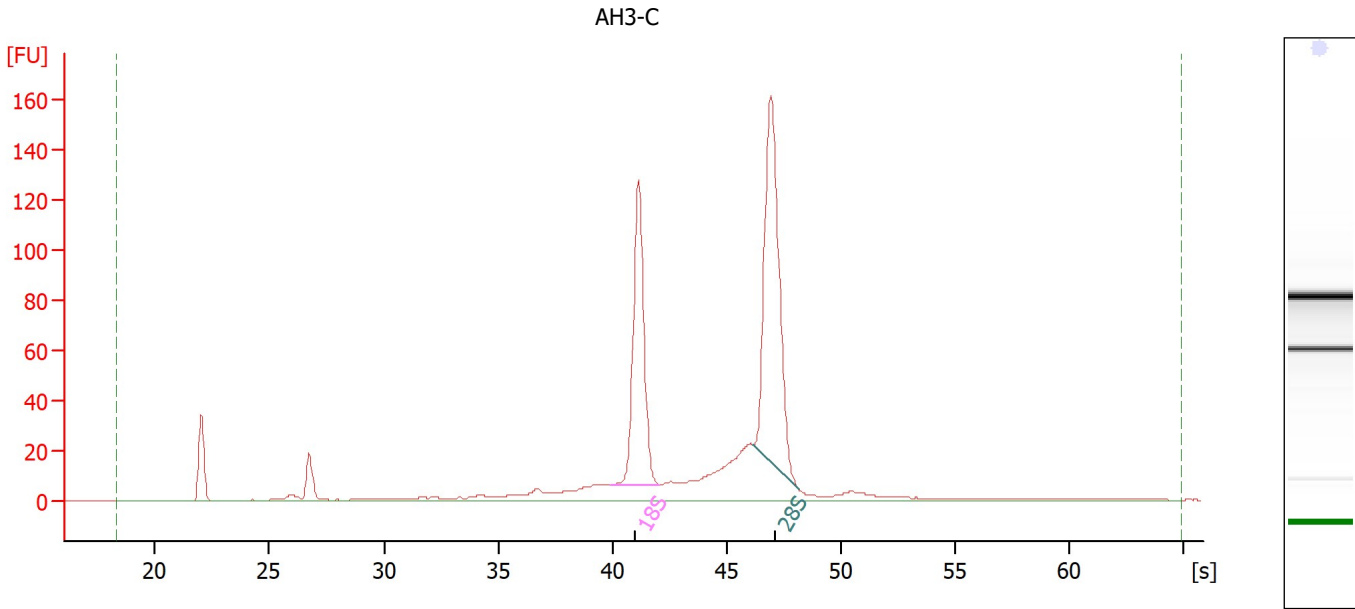
Ladder

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

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary



Overall Results for sample 1 : AH3-C

RNA Area:	715.3	RNA Integrity Number (RIN):	9.5 (B.02.10)
RNA Concentration:	2,788 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.4	Result Flagging Label:	RIN: 9.50

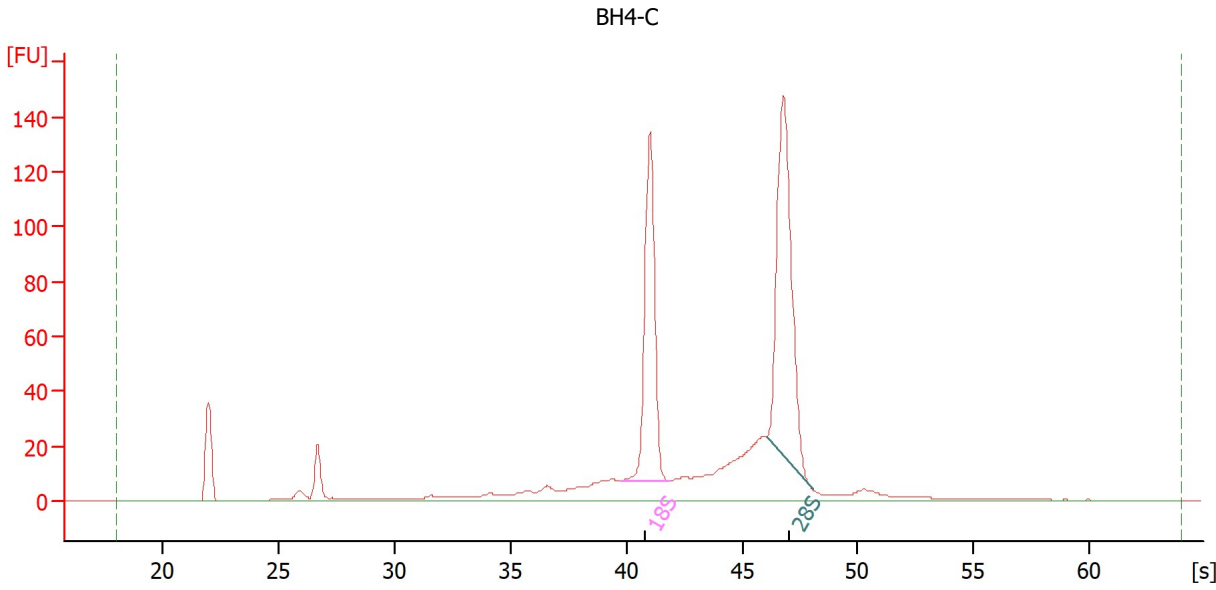
Fragment table for sample 1 : AH3-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.96	42.07	158.6	22.2
28S	46.16	48.14	228.5	32.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : BH4-C

RNA Area:	718.0	RNA Integrity Number (RIN):	9.1 (B.02.10)
RNA Concentration:	2,798 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.3	Result Flagging Label:	RIN: 9.10

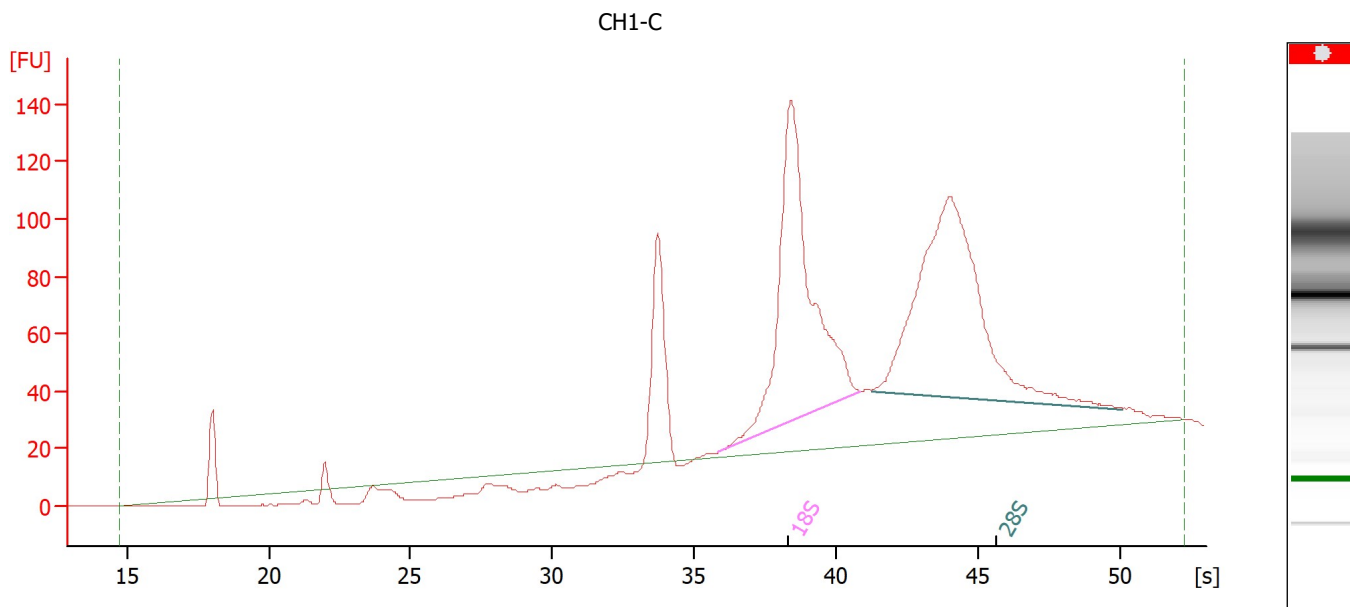
Fragment table for sample 2 : BH4-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.79	41.82	153.4	21.4
28S	46.04	48.03	204.0	28.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : CH1-C

RNA Area:	1,310.6	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	5,108 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN N/A

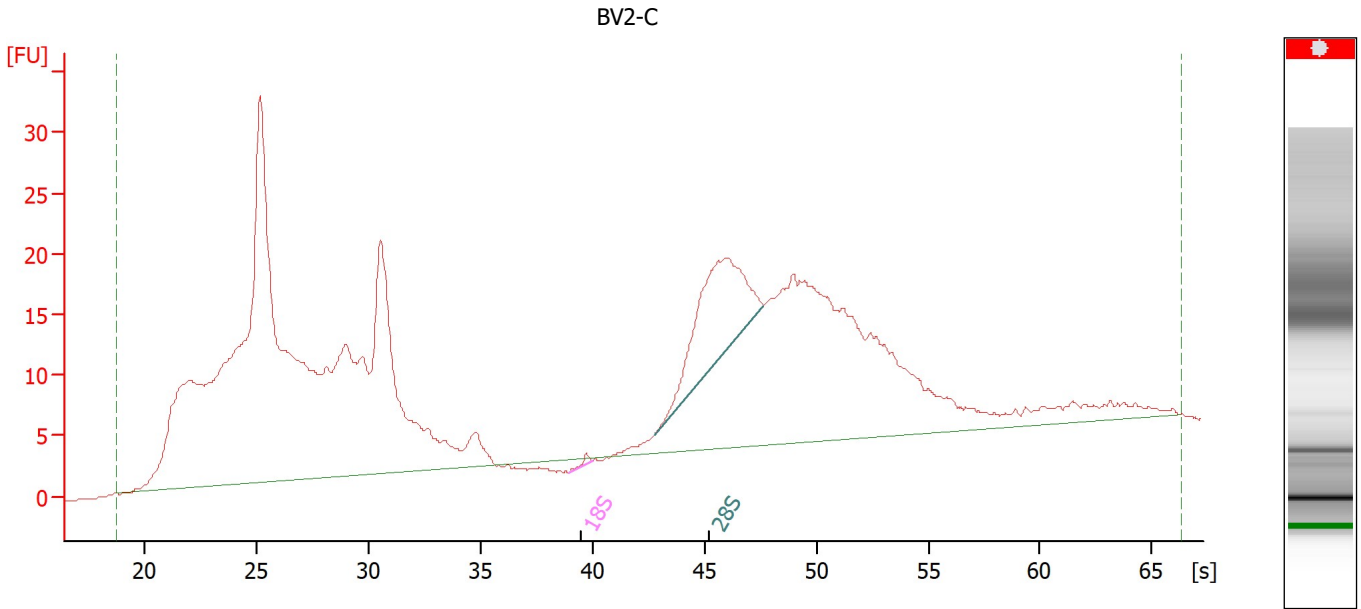
Fragment table for sample 3 : CH1-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	35.86	40.86	362.1	27.6
28S	41.24	50.10	393.2	30.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : BV2-C

RNA Area:	707.2	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	2,756 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	66.2	Result Flagging Label:	RIN N/A

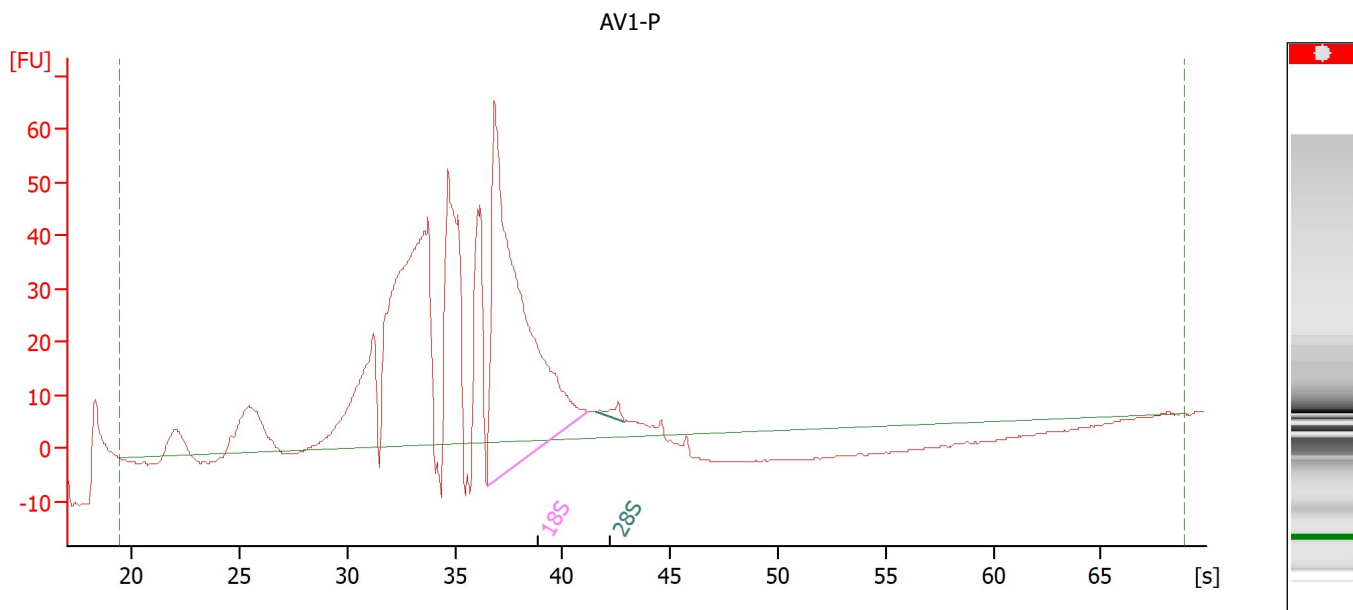
Fragment table for sample 4 : BV2-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.96	39.97	0.7	0.1
28S	42.75	47.65	44.4	6.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : AV1-P

RNA Area:	797.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	3,108 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

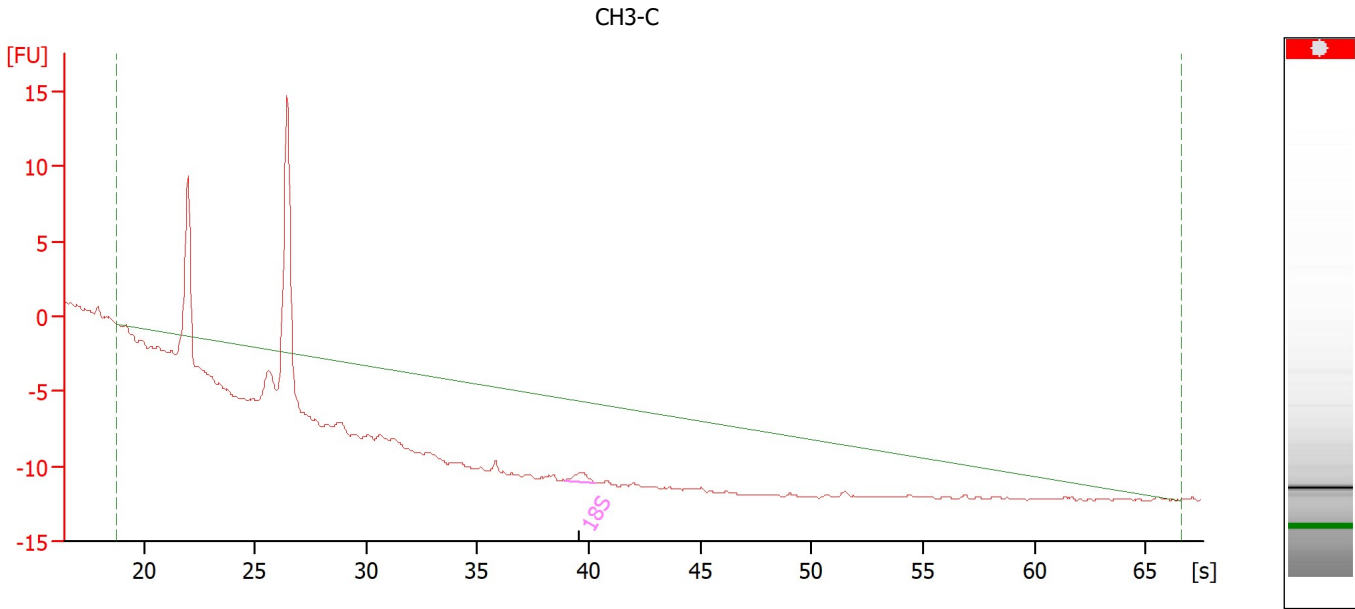
Fragment table for sample 5 : AV1-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	36.52	41.21	282.0	35.4
28S	41.56	42.85	3.8	0.5

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : CH3-C

RNA Area:	18.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	72 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

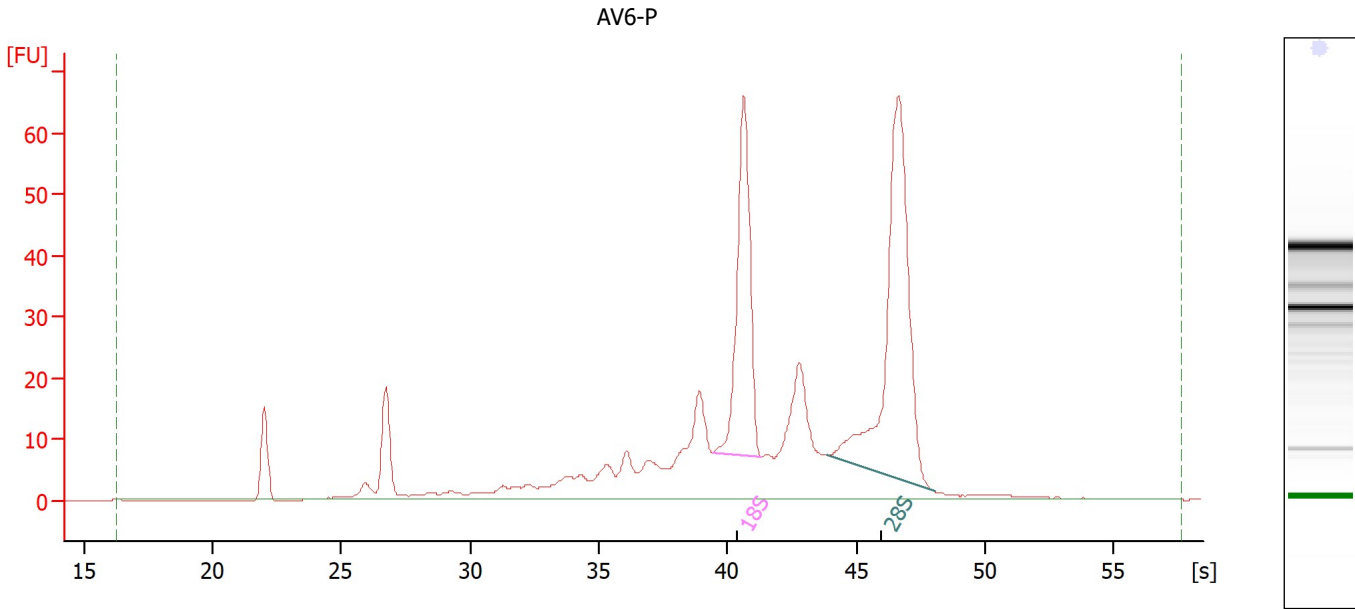
Fragment table for sample 6 : CH3-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.89	40.29	1.2	6.3

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : AV6-P

RNA Area:	526.7	RNA Integrity Number (RIN):	7.9 (B.02.10, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,053 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.6	Result Flagging Label:	RIN: 7.90

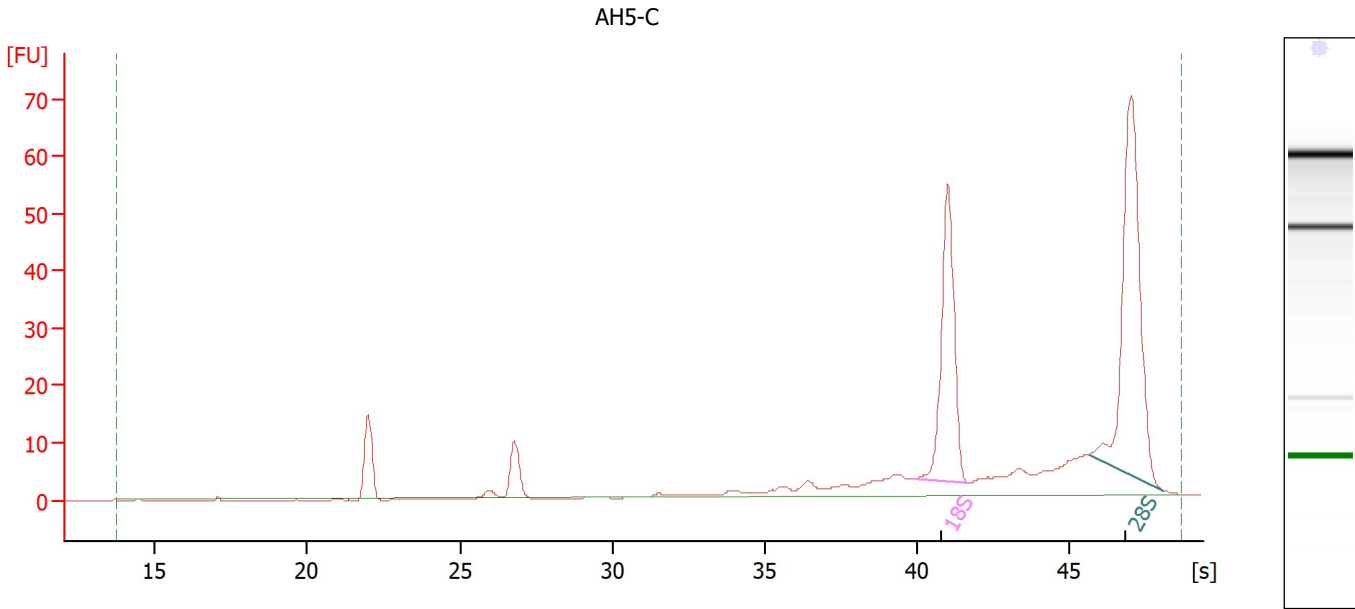
Fragment table for sample 7 : AV6-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.41	41.33	83.5	15.9
28S	43.87	48.05	135.0	25.6

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : AH5-C

RNA Area:	270.9	RNA Integrity Number (RIN):	9.3 (B.02.10)
RNA Concentration:	1,056 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.5	Result Flagging Label:	RIN: 9.30

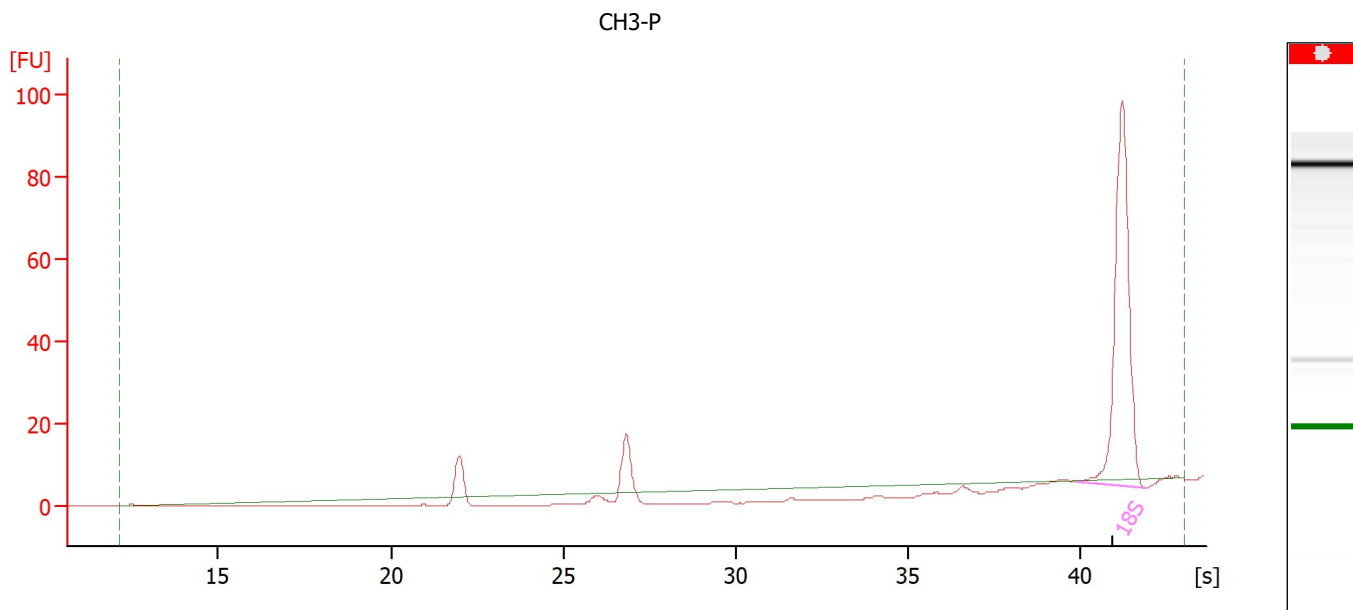
Fragment table for sample 8 : AH5-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.95	41.71	60.5	22.3
28S	45.66	48.09	91.3	33.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : CH3-P

RNA Area:	114.4	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	446 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

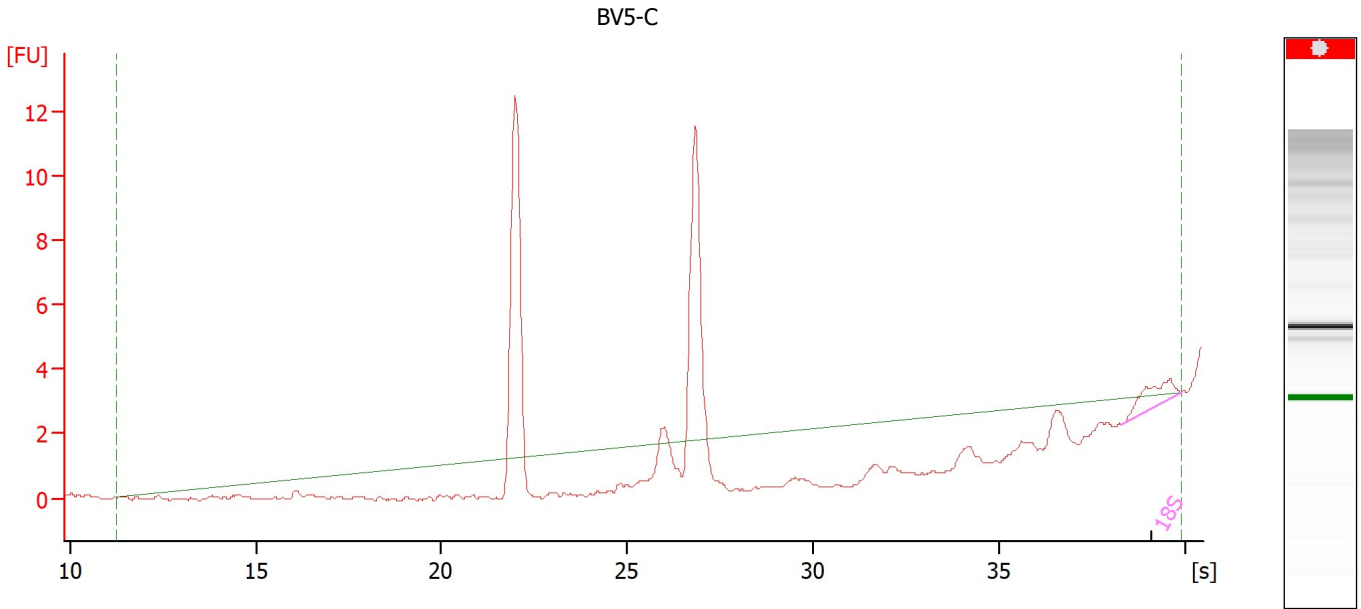
Fragment table for sample 9 : CH3-P

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	39.92	41.91	105.3	92.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : BV5-C

RNA Area:	11.5	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	45 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

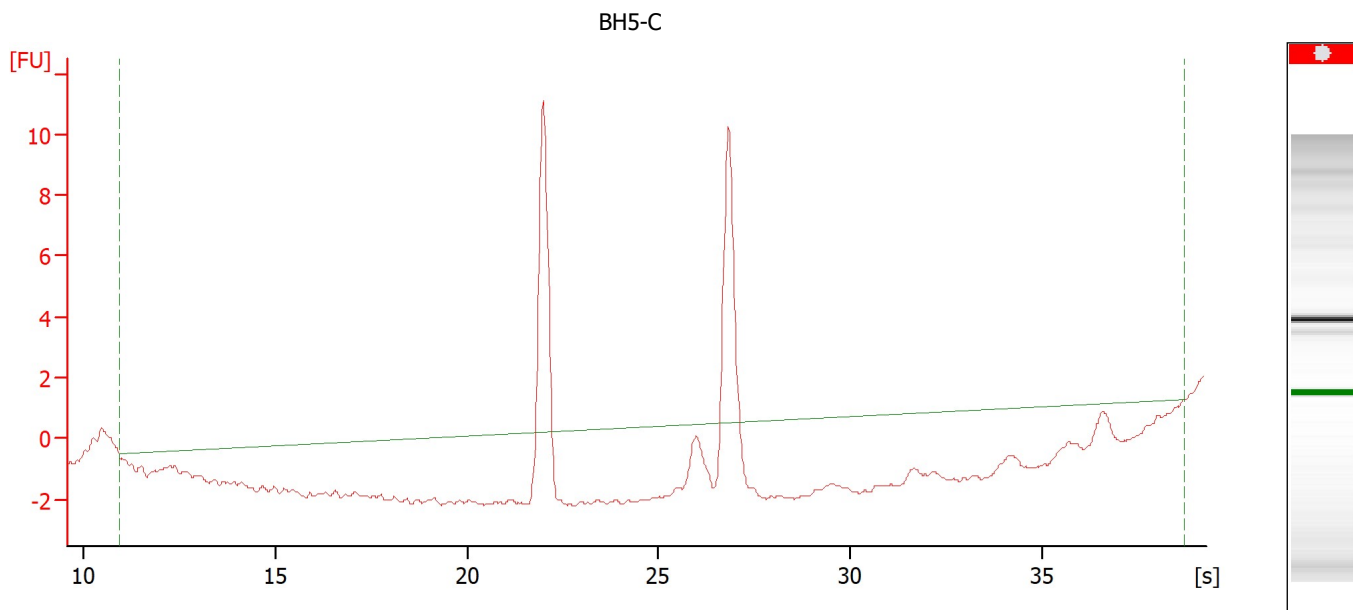
Fragment table for sample 10 : BV5-C

Name	Start Time [s]	End Time [s]	Area	% of total Area
18S	38.30	39.89	1.8	15.7

Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Electropherogram Summary Continued ...



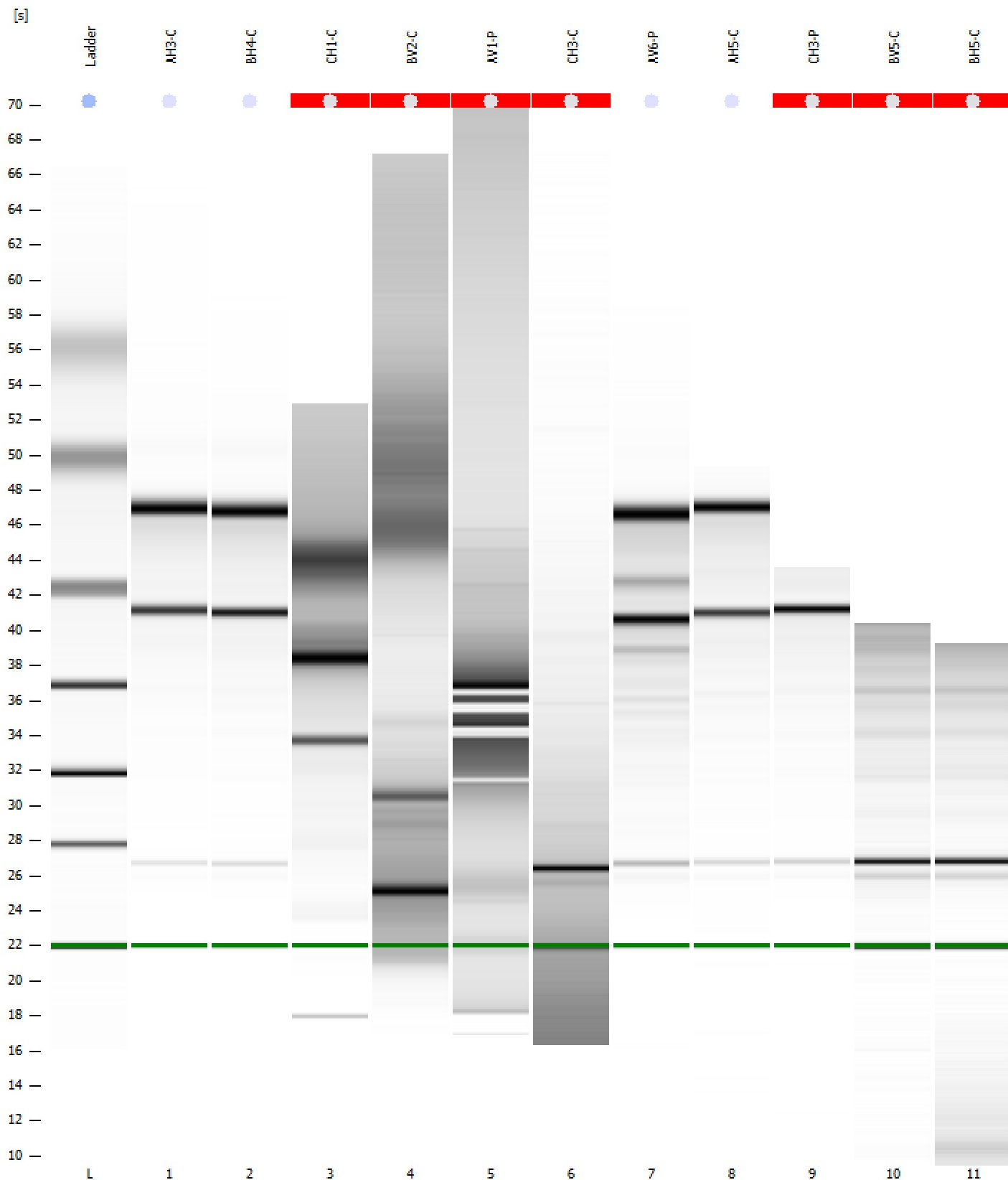
Overall Results for sample 11 : BH5-C

RNA Area:	10.0	RNA Integrity Number (RIN):	N/A (B.02.10)
RNA Concentration:	39 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.0	Result Flagging Label:	RIN N/A

Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
Modified: 12/5/2019 12:30:01 PM

Gel Image

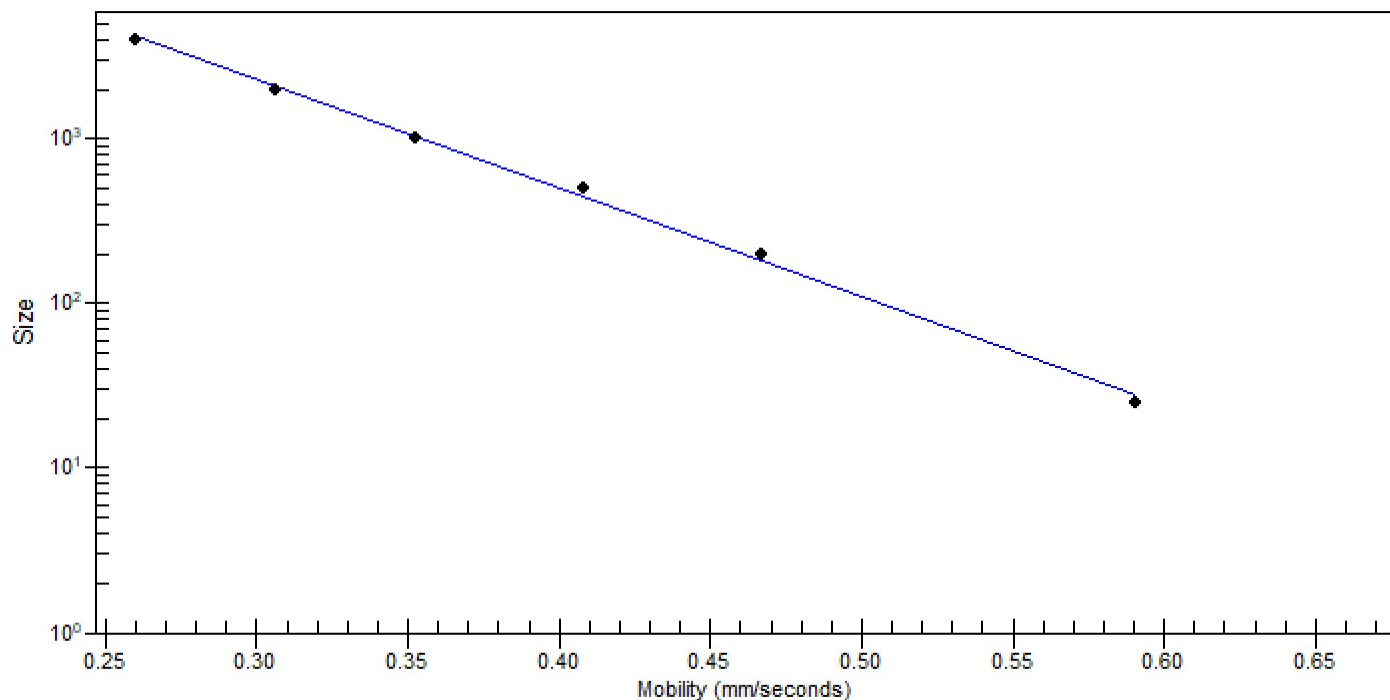


Assay Class: Eukaryote Total RNA Pico
Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
Modified: 12/5/2019 12:30:01 PM

Curves

Standard Curve



Assay Class: Eukaryote Total RNA Pico
 Data Path: Z:\...05\Bioanalyzer1_Eukaryote Total RNA Pico_2019-12-05_004.xad

Created: 12/5/2019 12:01:39 PM
 Modified: 12/5/2019 12:30:01 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 12)		Instrument	Run		12/5/2019 12:23:42 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Run started on port 1 (File: Z:\XADs\2019-12-05\Bioanalyze r1_Eukaryote Total RNA Pico_2019-12-05_004.xad)		Instrument	Run		12/5/2019 12:01:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Product Number : G2938C		Instrument	Run		12/5/2019 12:01:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Name :		Instrument	Run		12/5/2019 12:01:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Vendor : Agilent Technologies		Instrument	Run		12/5/2019 12:01:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Serial# : DE34903152		Instrument	Run		12/5/2019 12:01:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Firmware : C.01.069		Instrument	Run		12/5/2019 12:01:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB
Cartridge : Electrode		Instrument	Run		12/5/2019 12:01:44 PM	(GMT --08:00) Pacific Standard Time	sbsuser	DESKTOP-4UNV VOB