Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

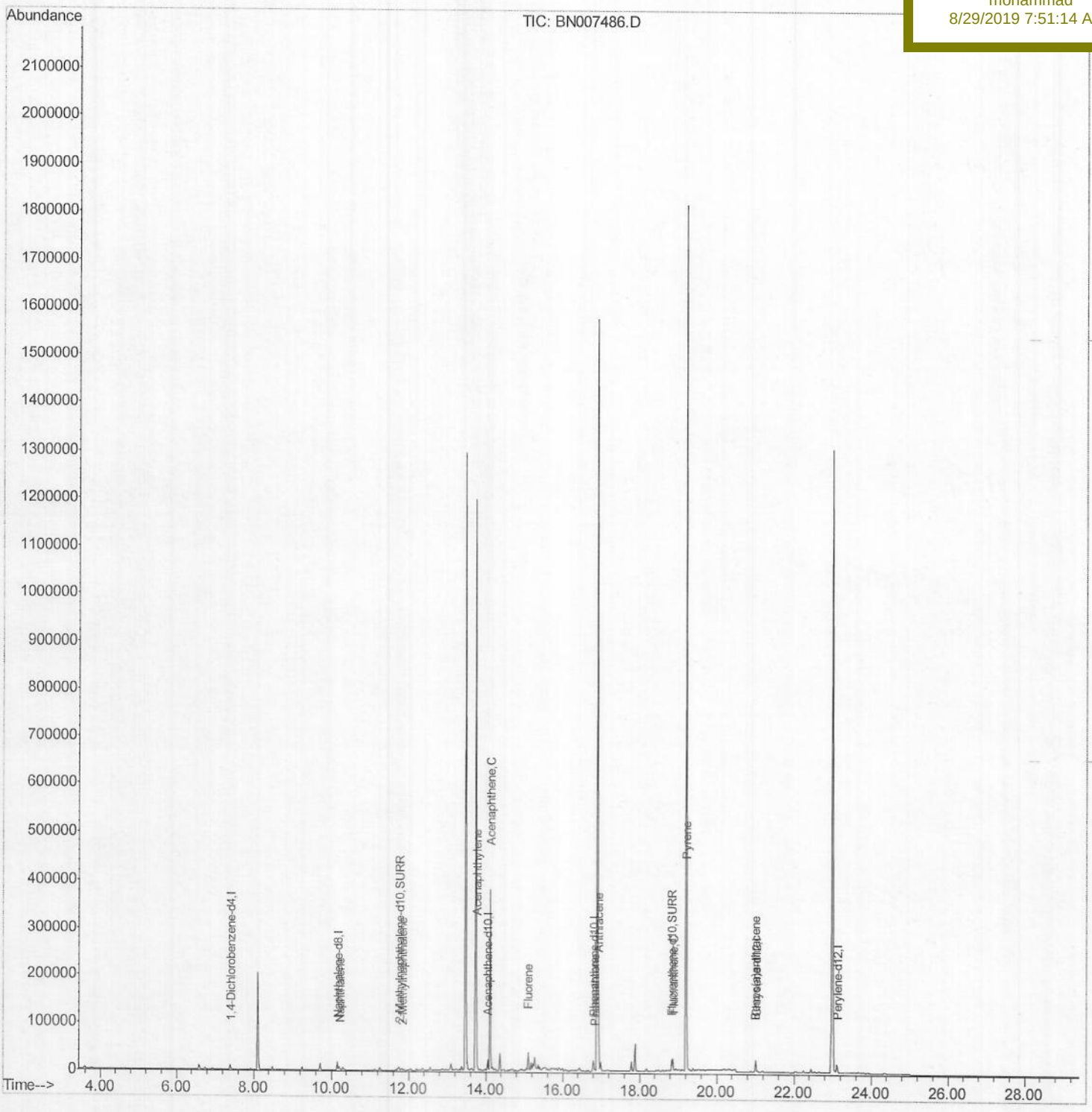
Quantitation Report (QT Reviewed)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:46:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

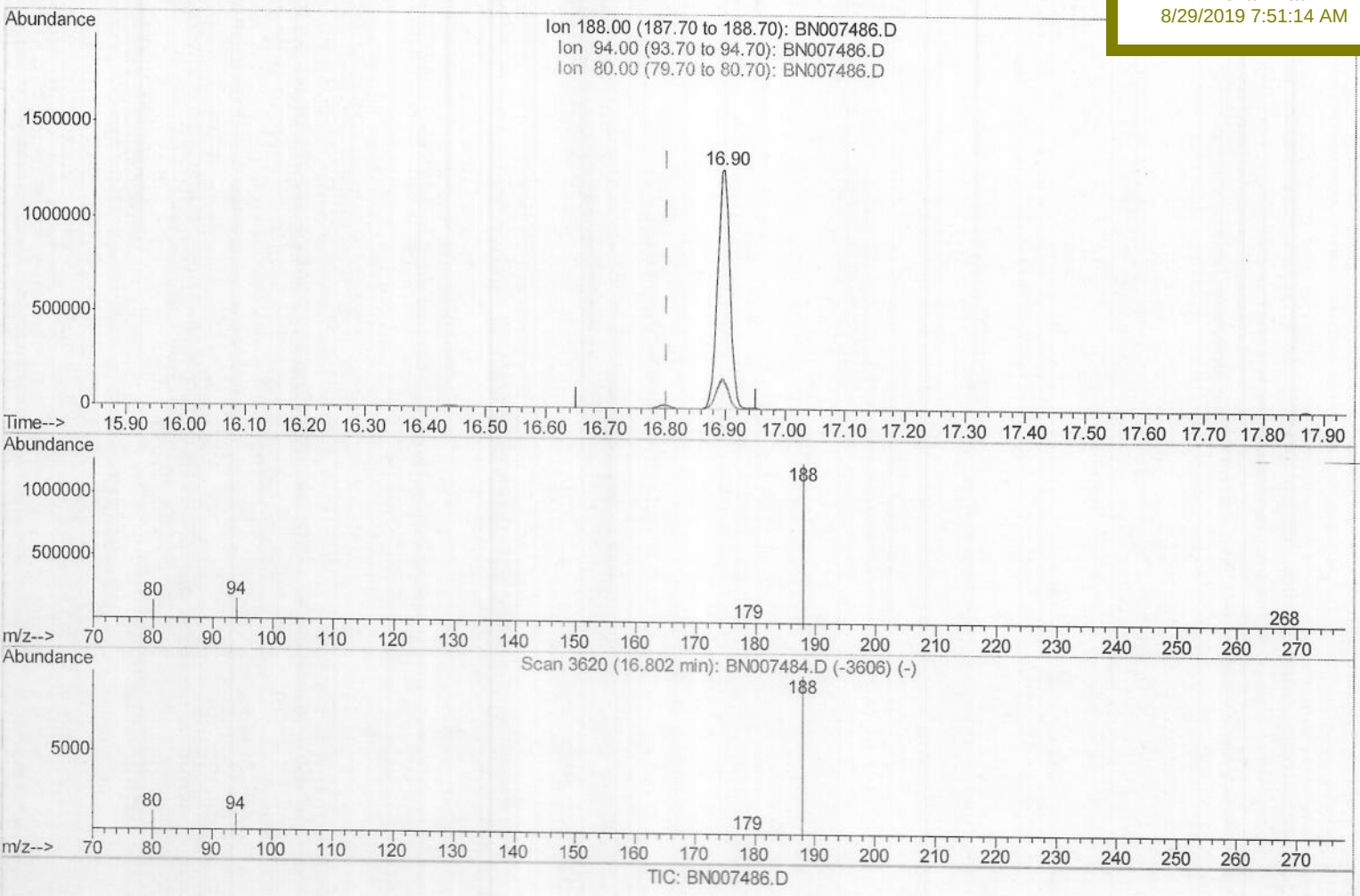
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:35:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(10) Phenanthrene-d10 (I)

16.899min (+0.097) 0.40ng/ul

response 1789088

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	12.05
80.00	12.40	10.92
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

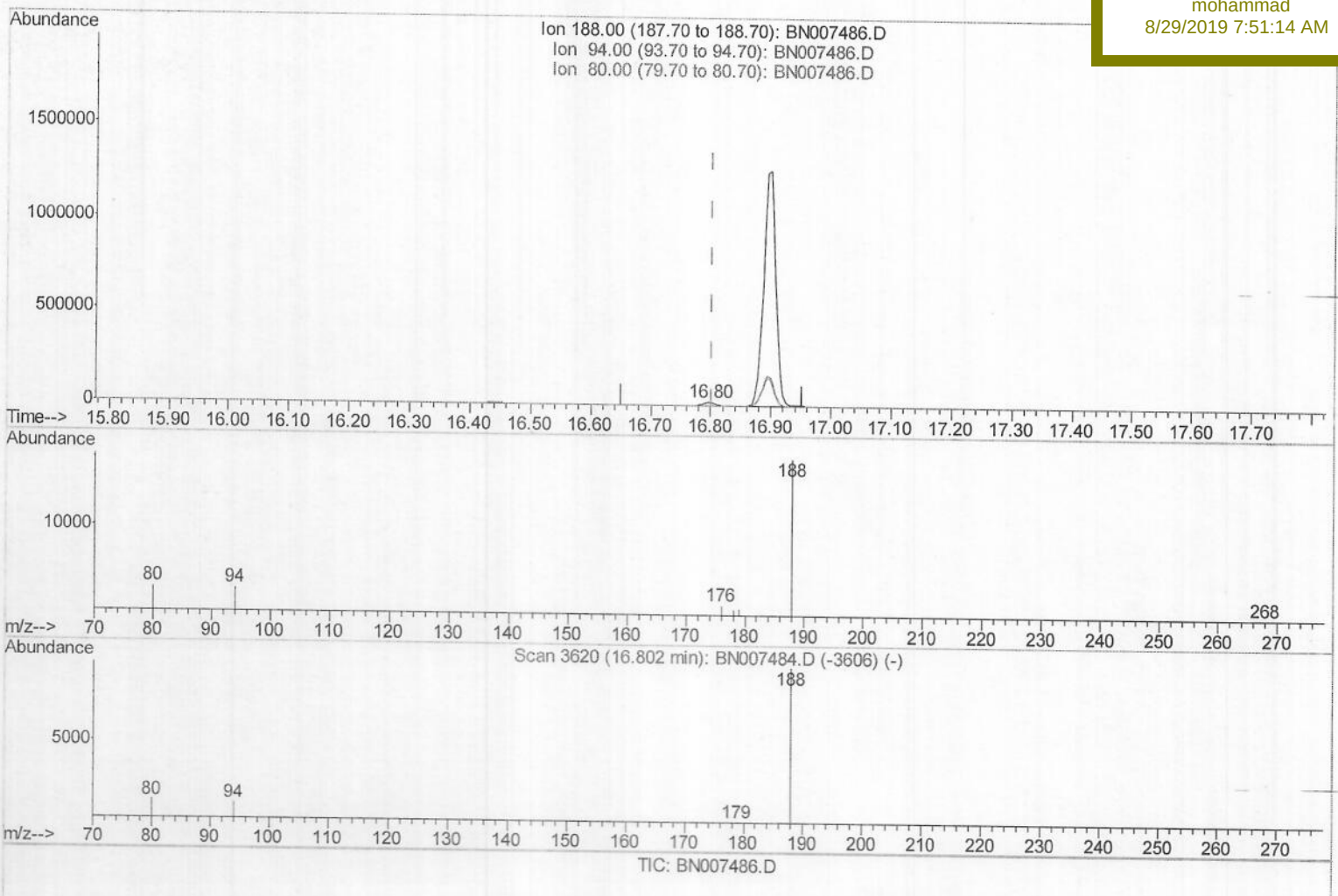
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:35:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



(10) Phenanthrene-d10 (I)

16.798min (-0.004) 0.40ng/ul m JU
08/30/19

response 26573

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	15.02#
80.00	12.40	15.68#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

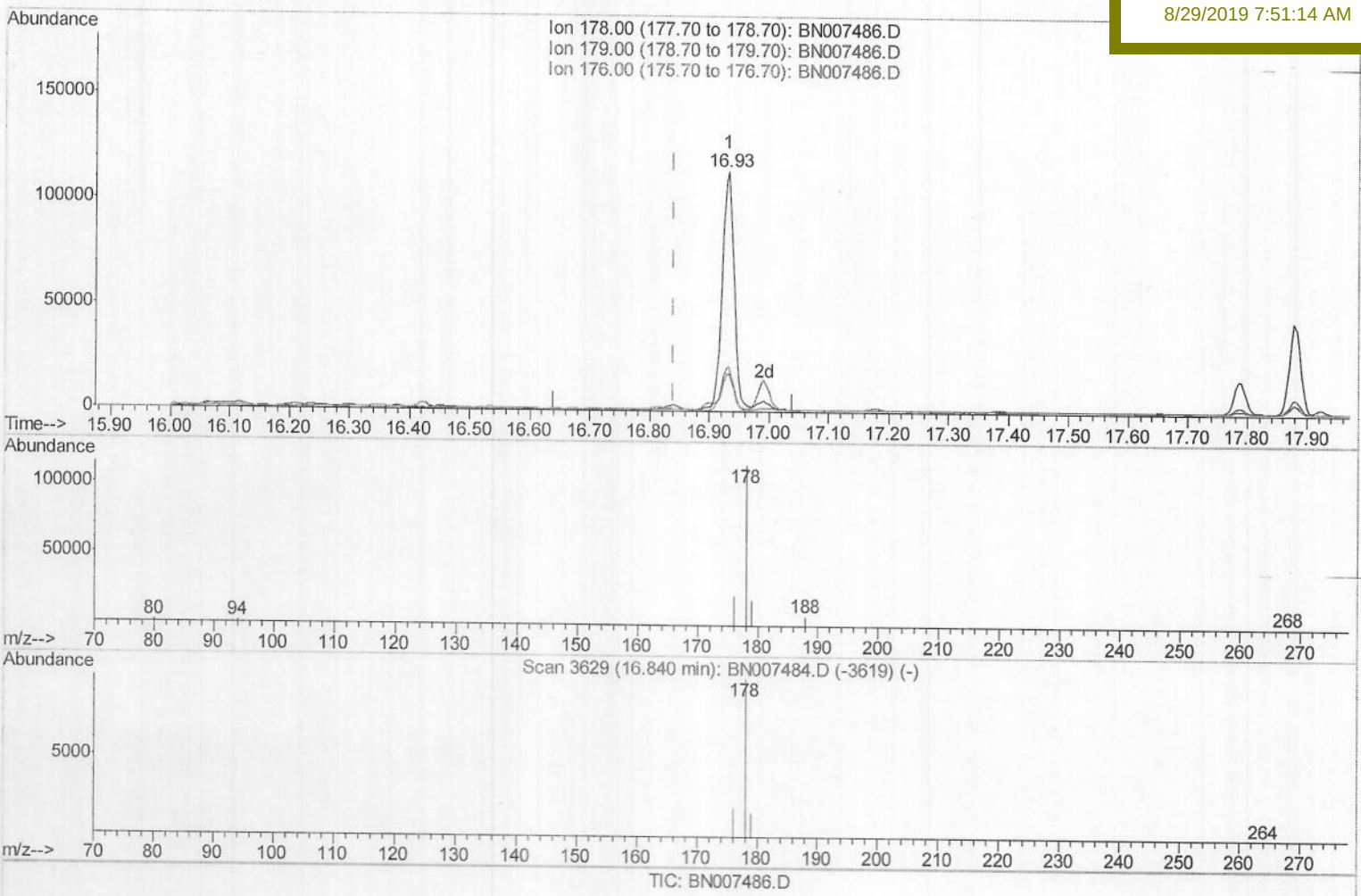
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(12) Phenanthrene

16.933min (+0.093) 1.91ng/ul

response 158316

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.78
176.00	19.00	18.52
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

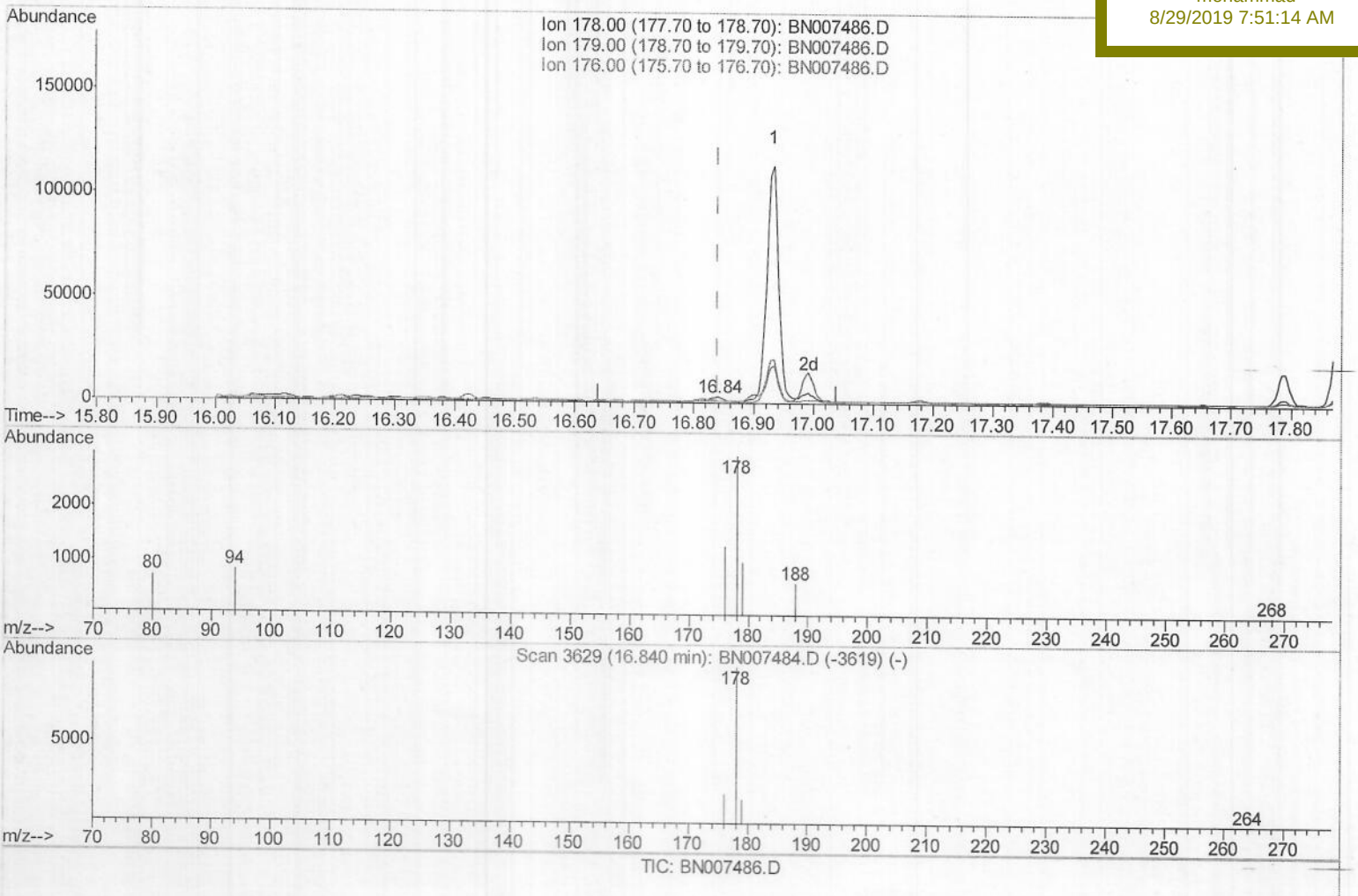
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



(12) Phenanthrene

16.840min (+0.000) 0.06ng/ul m) JV 08130119

response 4692

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	34.71#
176.00	19.00	44.53#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

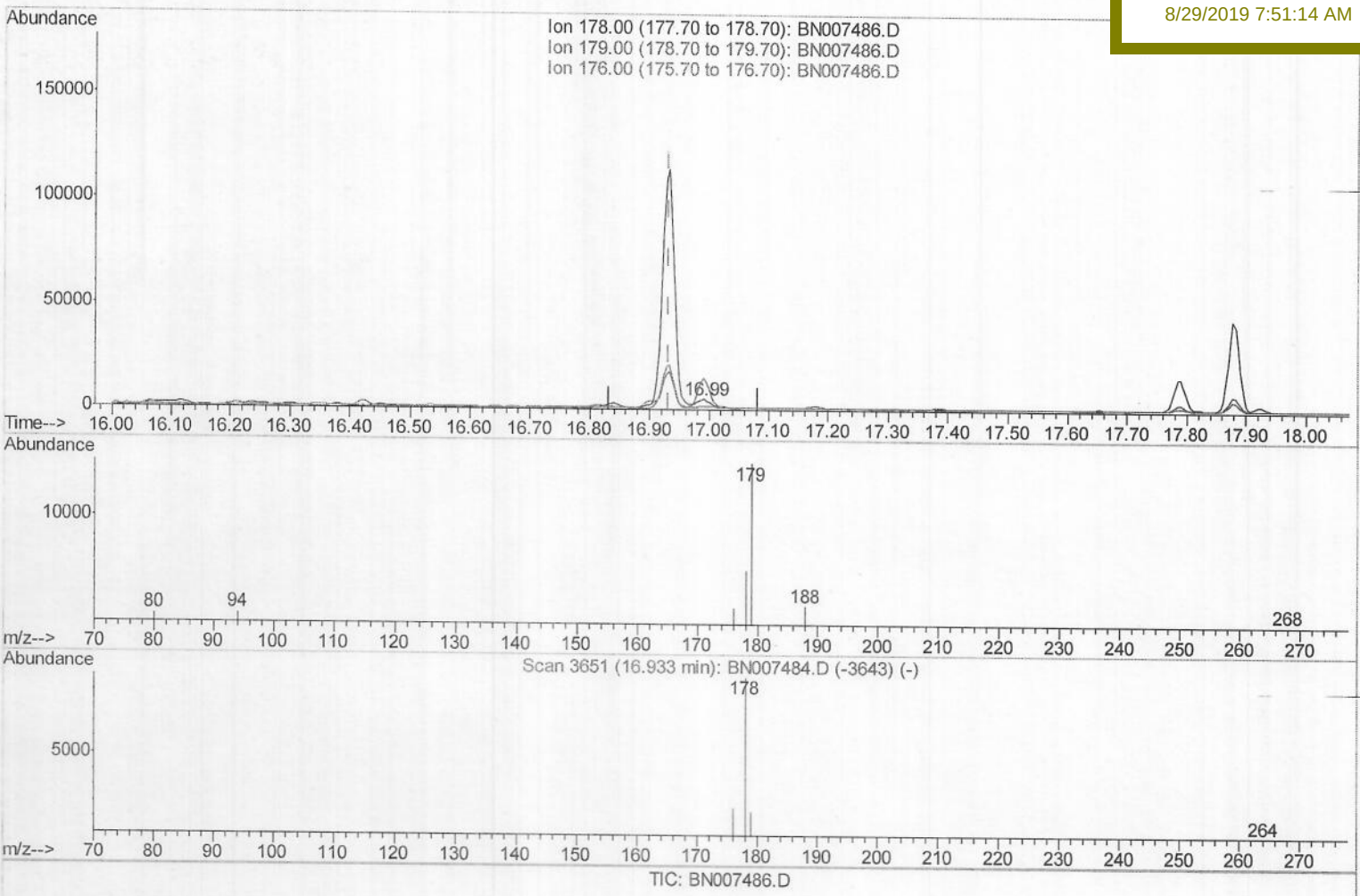
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(13) Anthracene

16.992min (+0.059) 0.09ng/ul

response 7027

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	295.62#
176.00	18.20	32.26#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

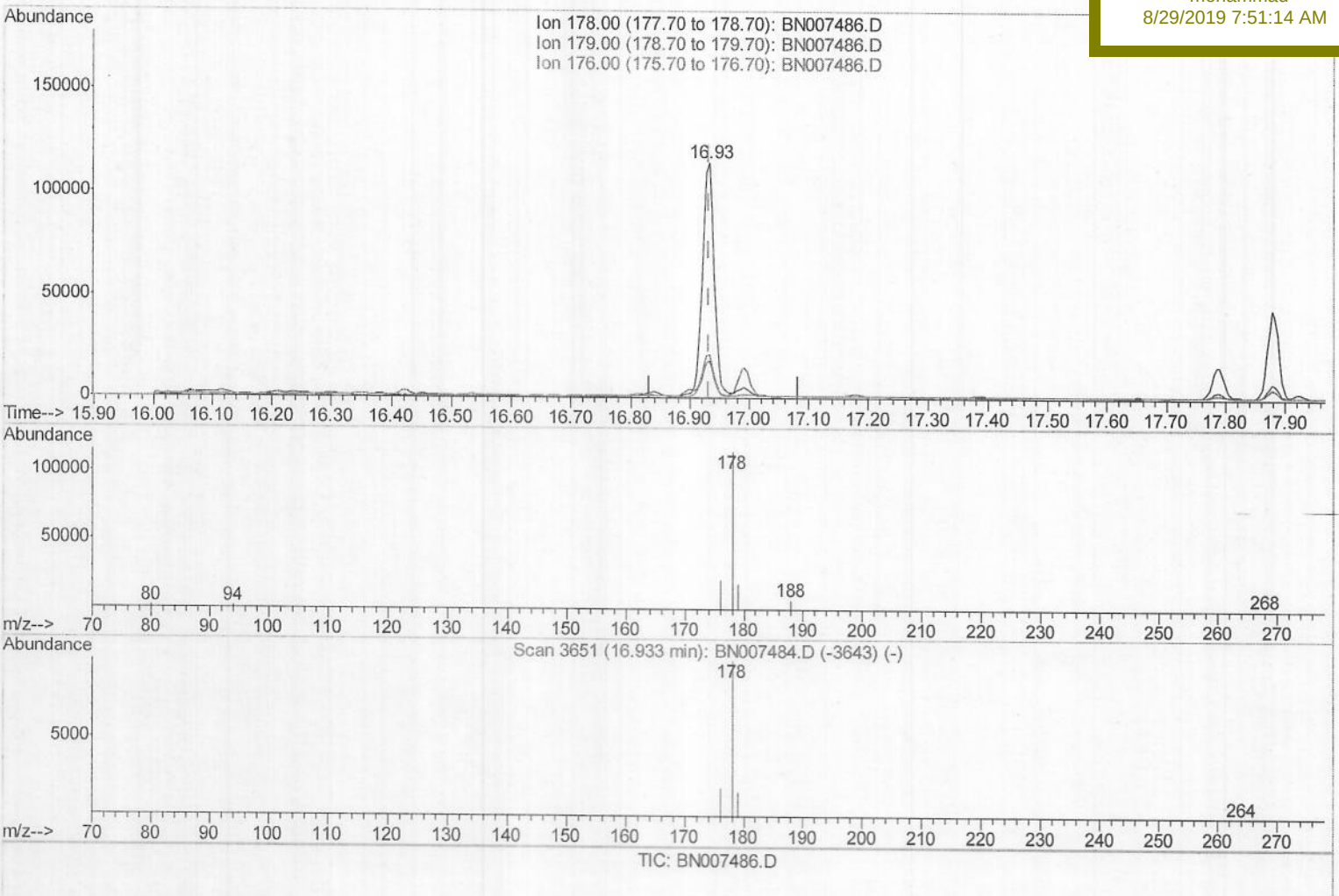
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



(13) Anthracene

16.933min (+0.000) 2.01ng/ul m JU 08/30/19

response 157242

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.78
176.00	18.20	18.52
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

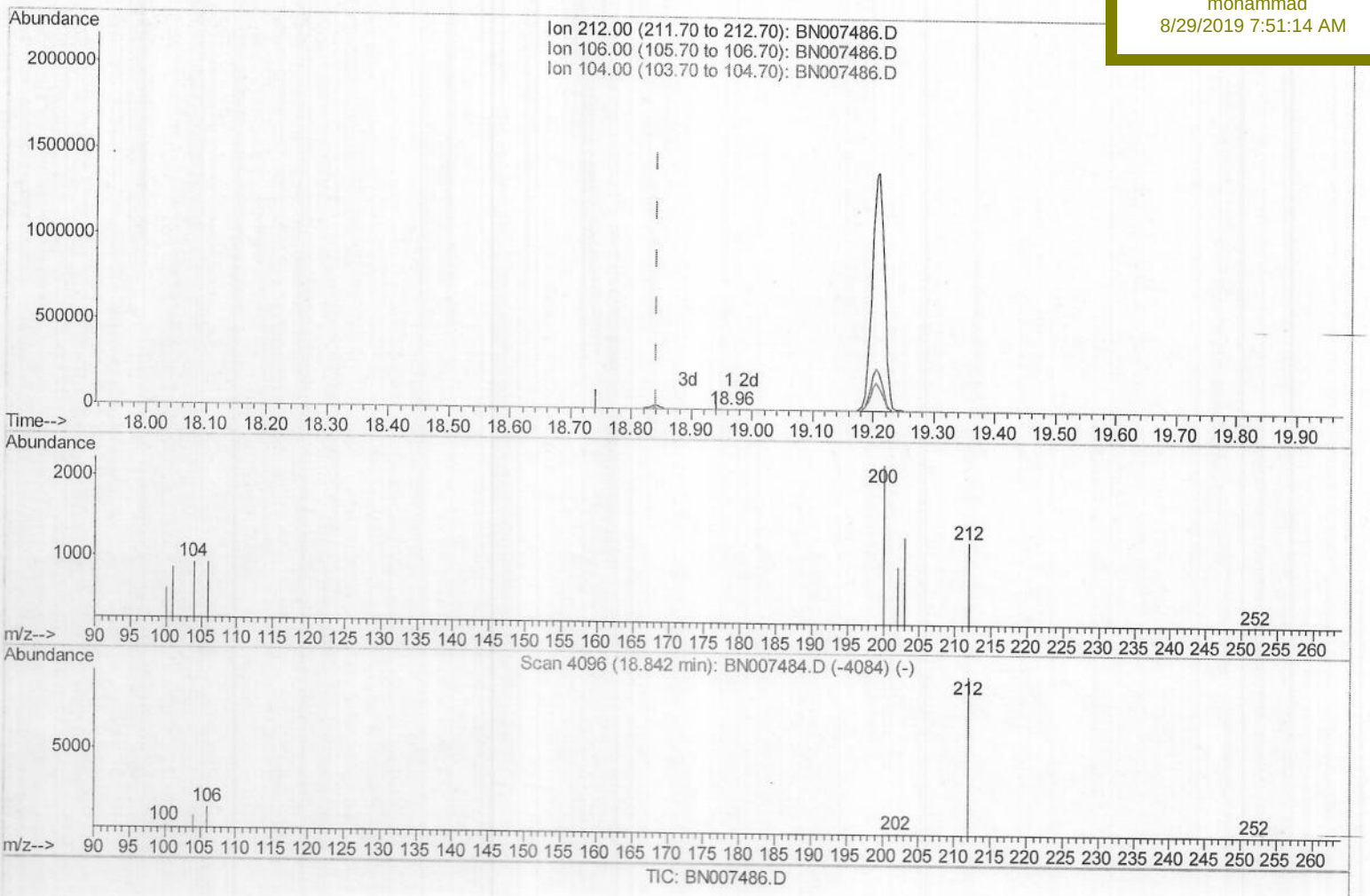
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(14) Fluoranthene-d10 (SURR)

18.963min (+0.121) 0.01ng/ul

response 1070

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	7.20#
104.00	8.00	36.26#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

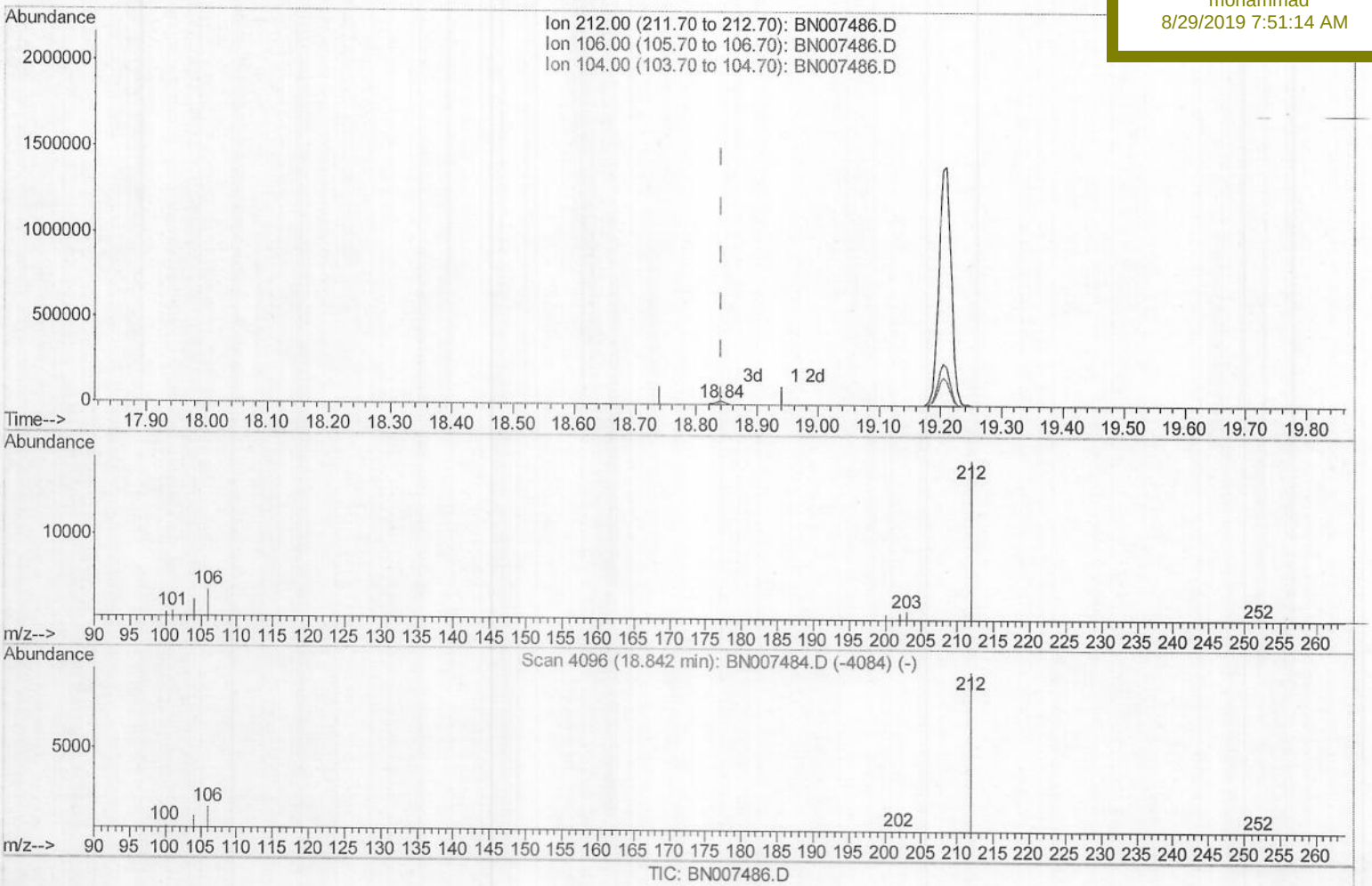
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



(14) Fluoranthene-d10 (SURR)

18.837min (-0.005) 0.30ng/ul m JU 08/30/19

response 25666

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	0.30#
104.00	8.00	1.51#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

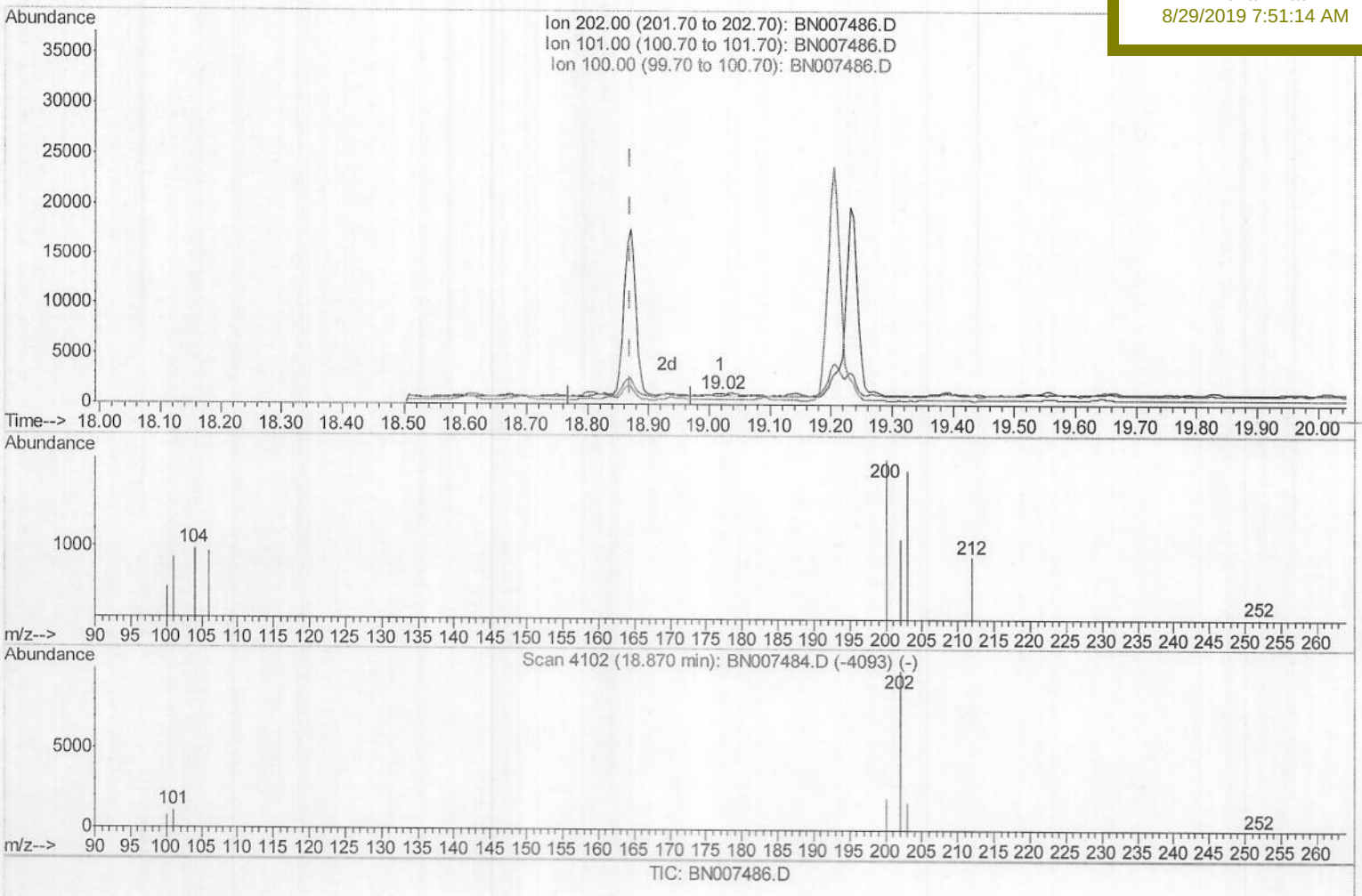
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(15) Fluoranthene (C)

19.019min (+0.149) 0.00ng/ul

response 317

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	80.90#
100.00	8.50	51.19#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

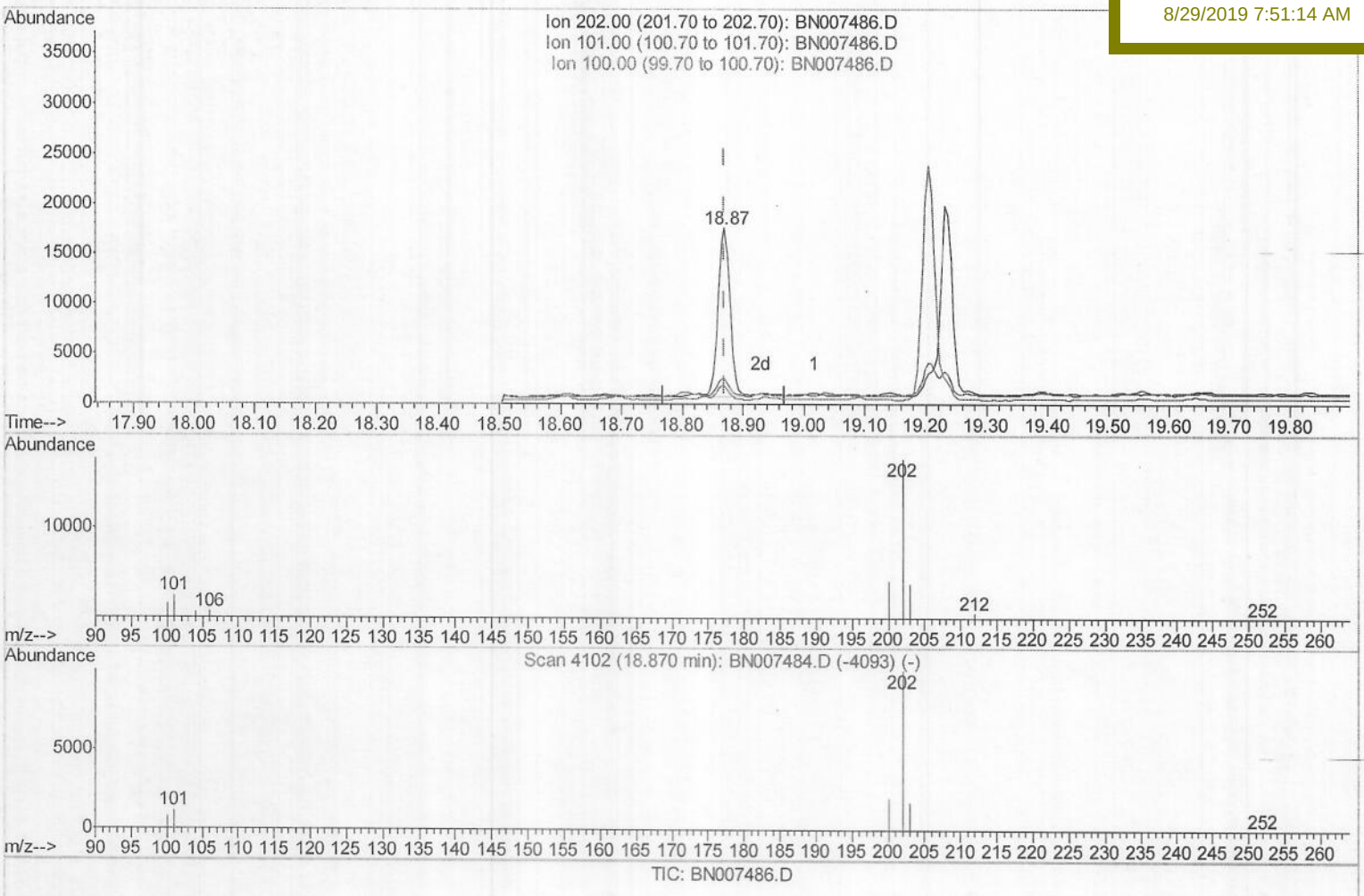
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(15) Fluoranthene (C)

18.870min (+0.000) 0.20ng/ul m JV 08130119

response 22669

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	14.87
100.00	8.50	10.29
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

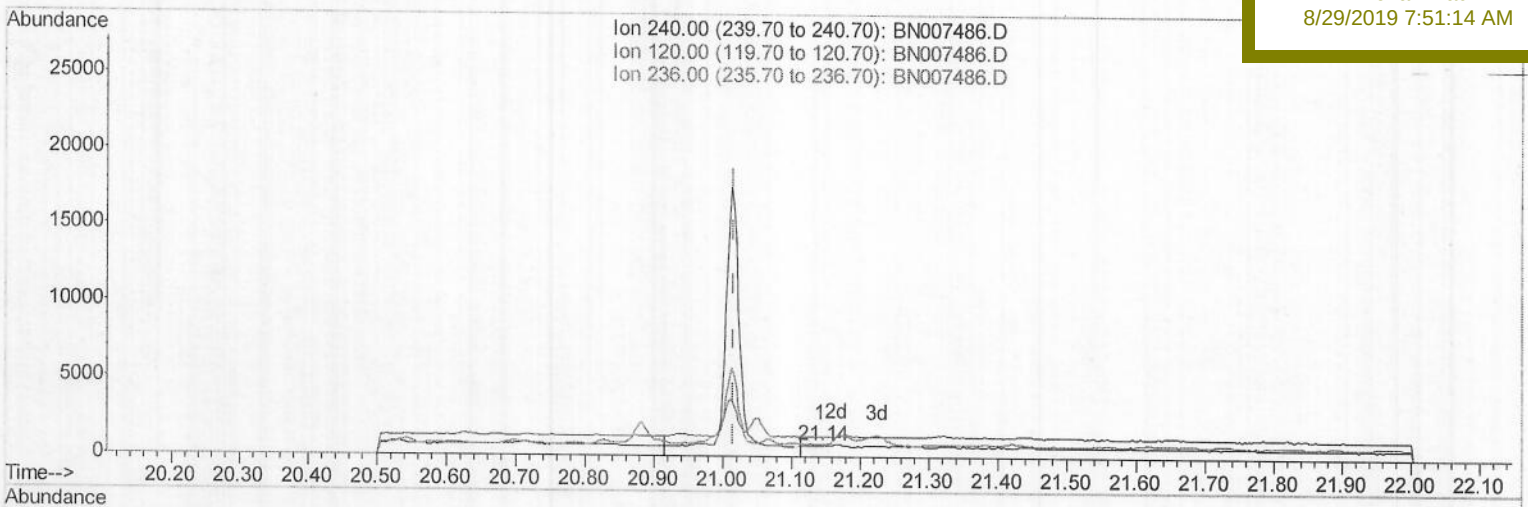
Quantitation Report (Qedit)

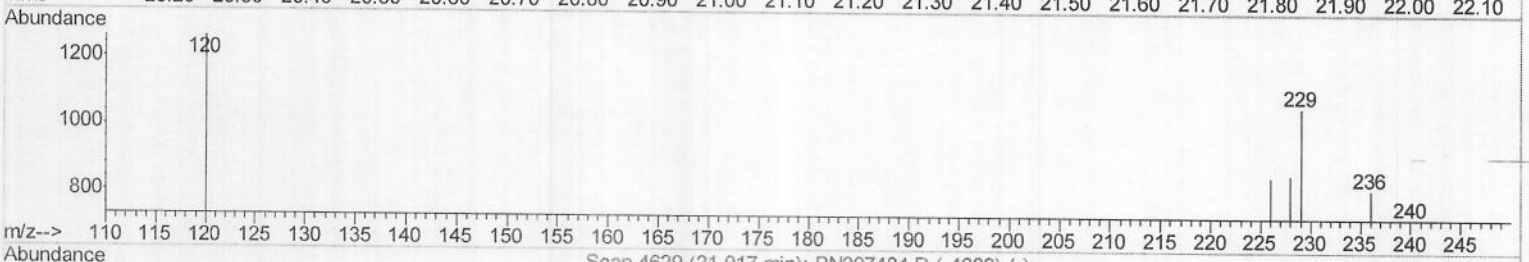
Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

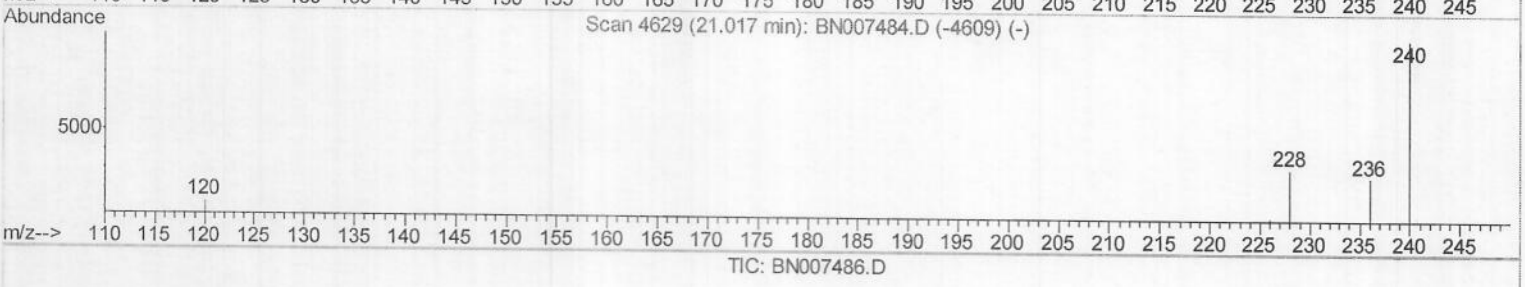
Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM







(16) Chrysene-d12 (I)

21.142min (+0.126) 0.40ng/ul

response 64

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	173.59#
236.00	28.60	111.97#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

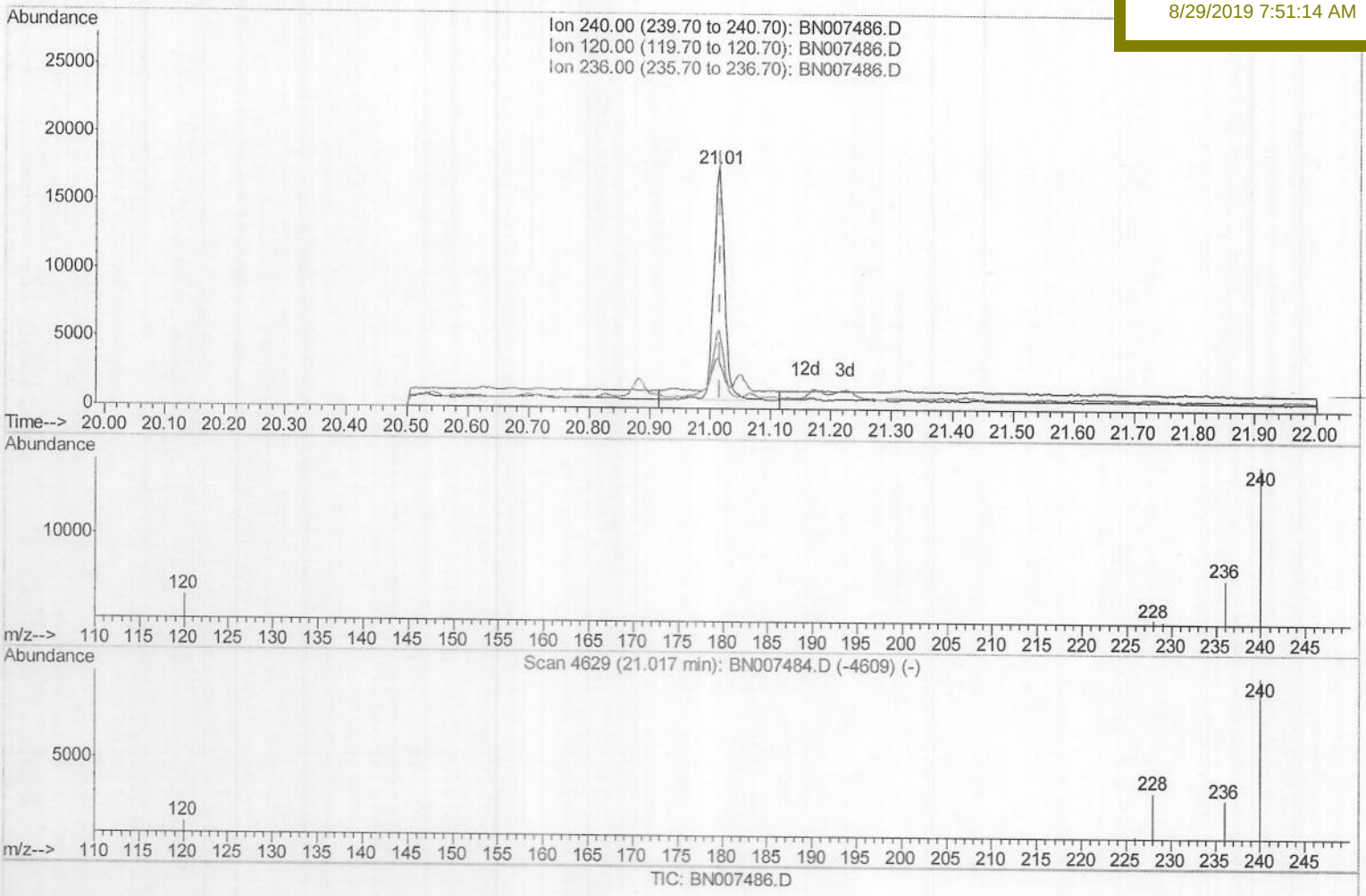
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:43:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



(16) Chrysene-d12 (I)

21.014min (-0.003) 0.40ng/ul m)JU 08|30|19

response 21090

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	20.56#
236.00	28.60	32.77
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

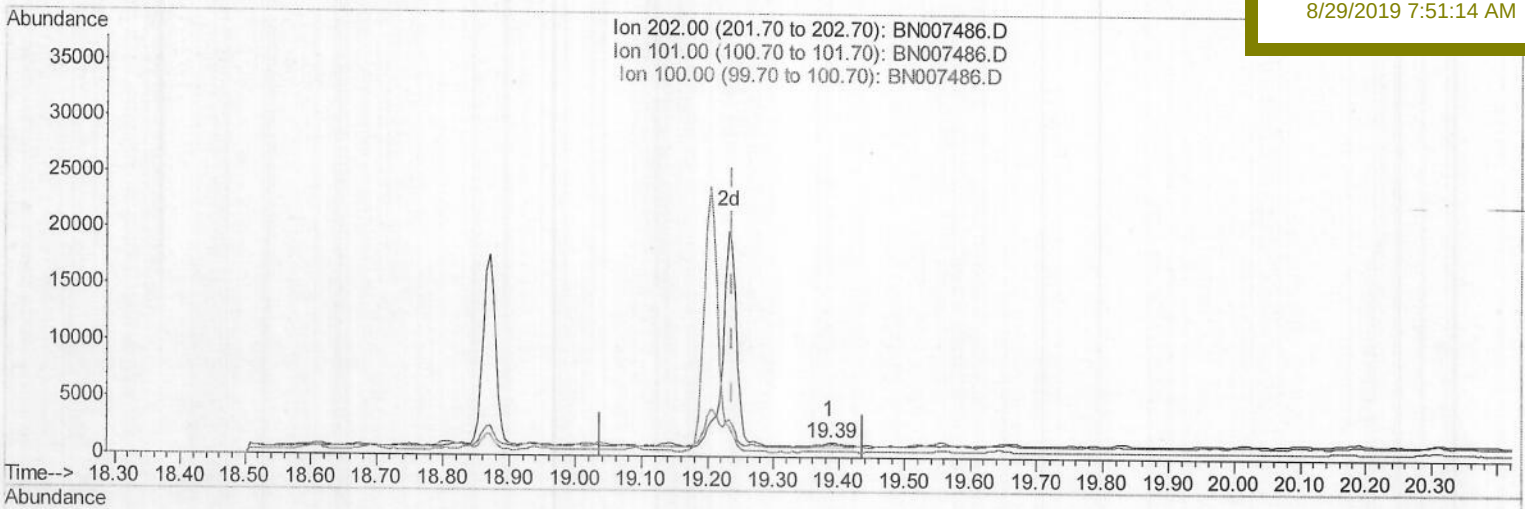
Quantitation Report (Qedit)

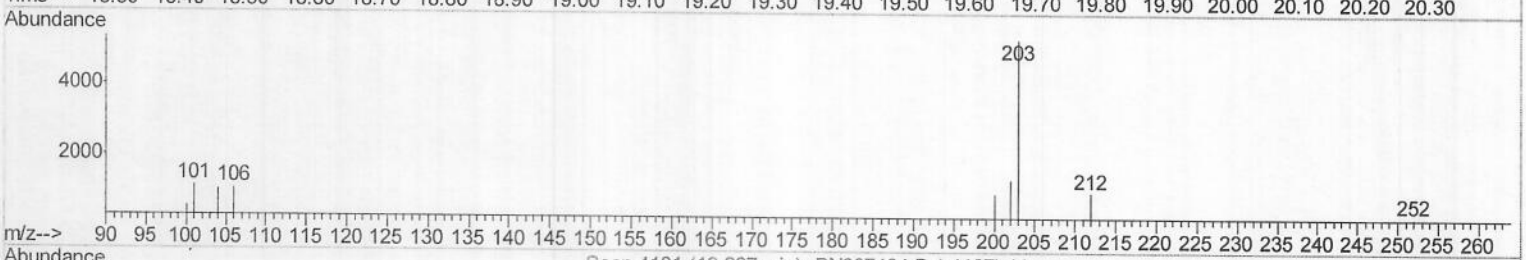
Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

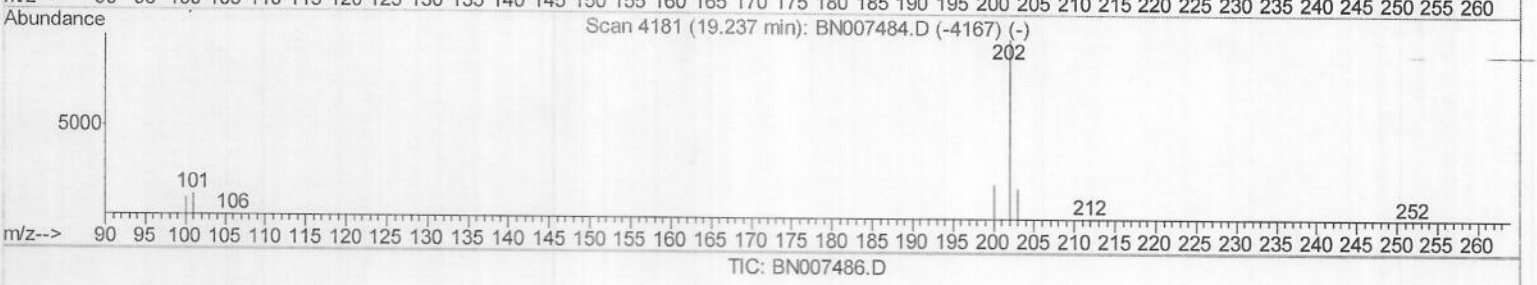
Quant Time: Aug 29 03:44:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM







TIC: BN007486.D

(17) Pyrene

19.386min (+0.149) 0.01ng/ul

response 938

Ion	Exp%	Act%
202.00	100	100
101.00	13.40	83.35#
100.00	10.70	40.15#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

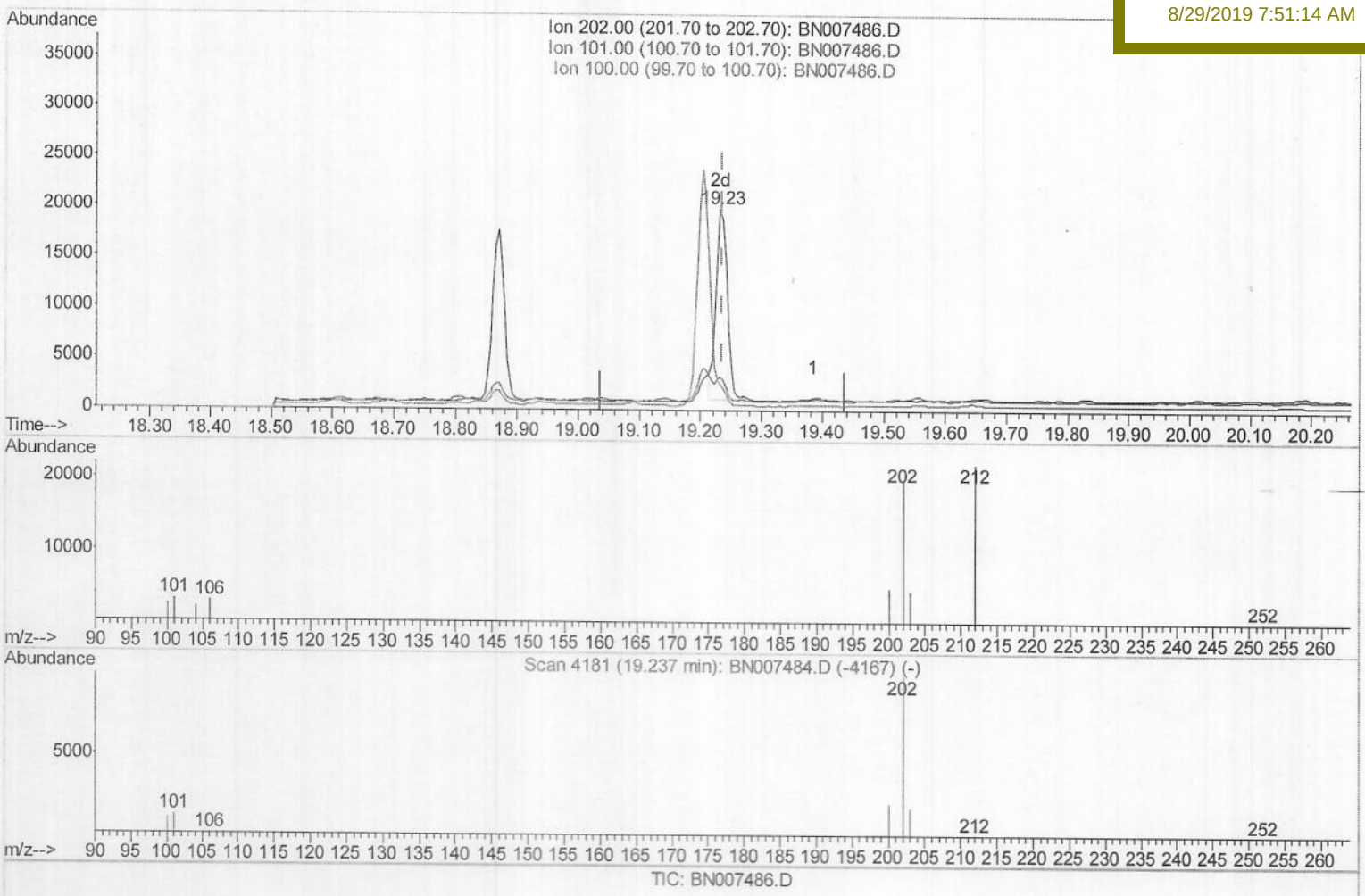
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:44:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(17) Pyrene

19.232min (-0.005) 0.23ng/ul m) JU 08/30/19

response 23915

Ion	Exp%	Act%
202.00	100	100
101.00	13.40	16.37#
100.00	10.70	13.00#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

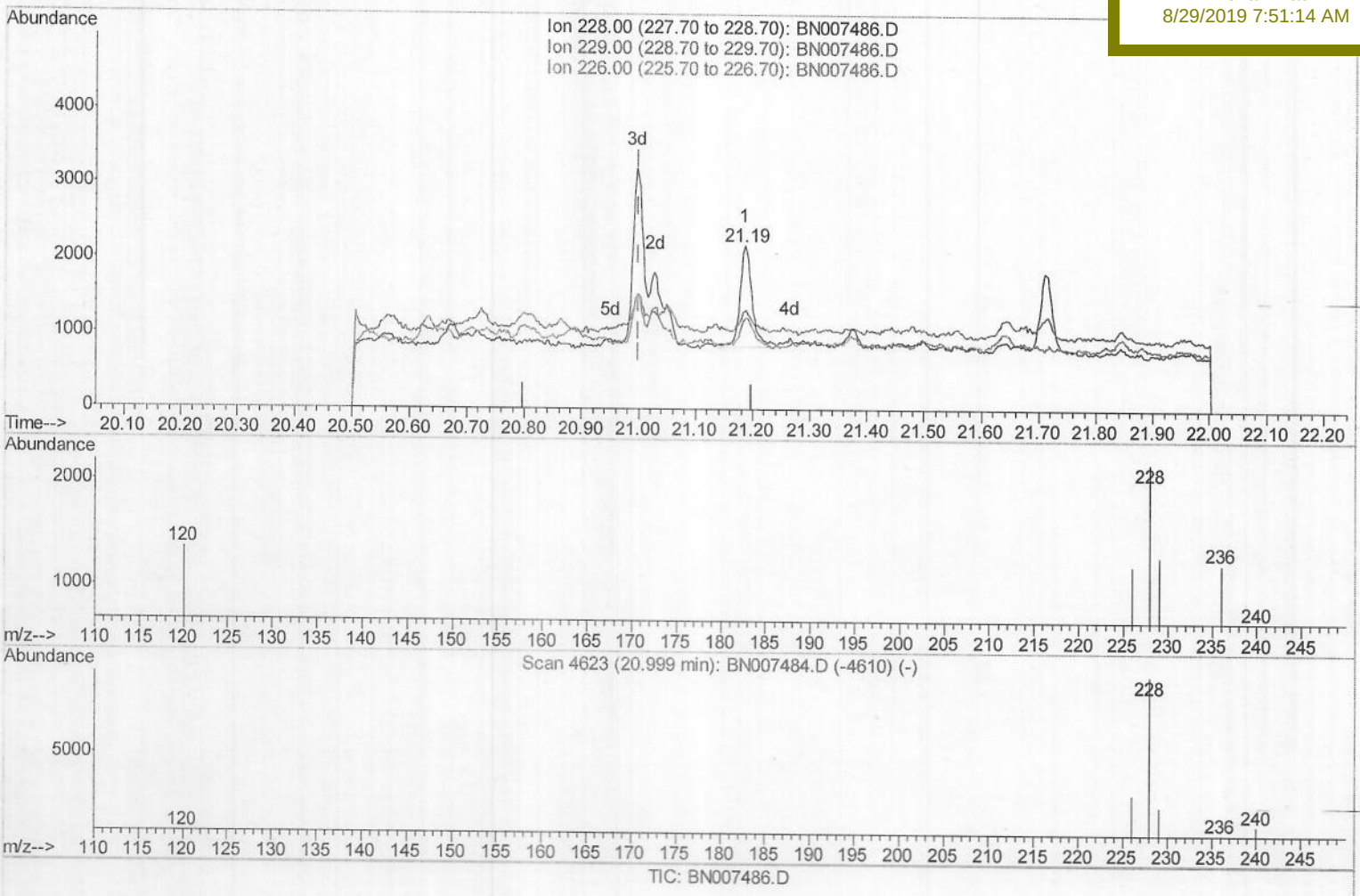
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:44:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(18) Benzo(a)anthracene

21.186min (+0.187) 0.02ng/ul

response 2070

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	59.53#
226.00	27.50	55.36#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

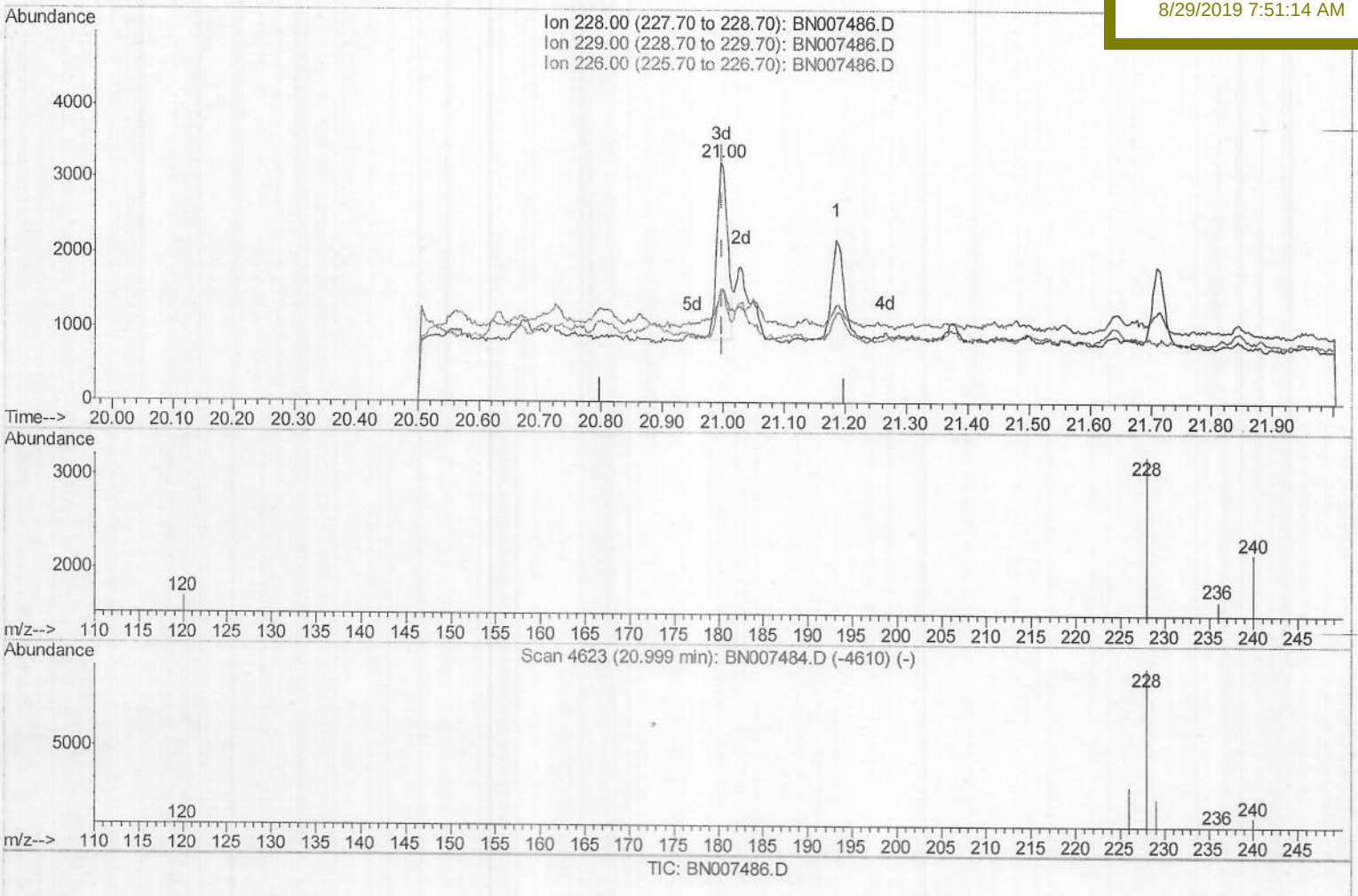
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:44:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



TIC: BN007486.D

(18) Benzo(a)anthracene

20.996min (-0.003) 0.03ng/ul m) JU 08/30/19

response 2952

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	46.93#
226.00	27.50	47.12#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

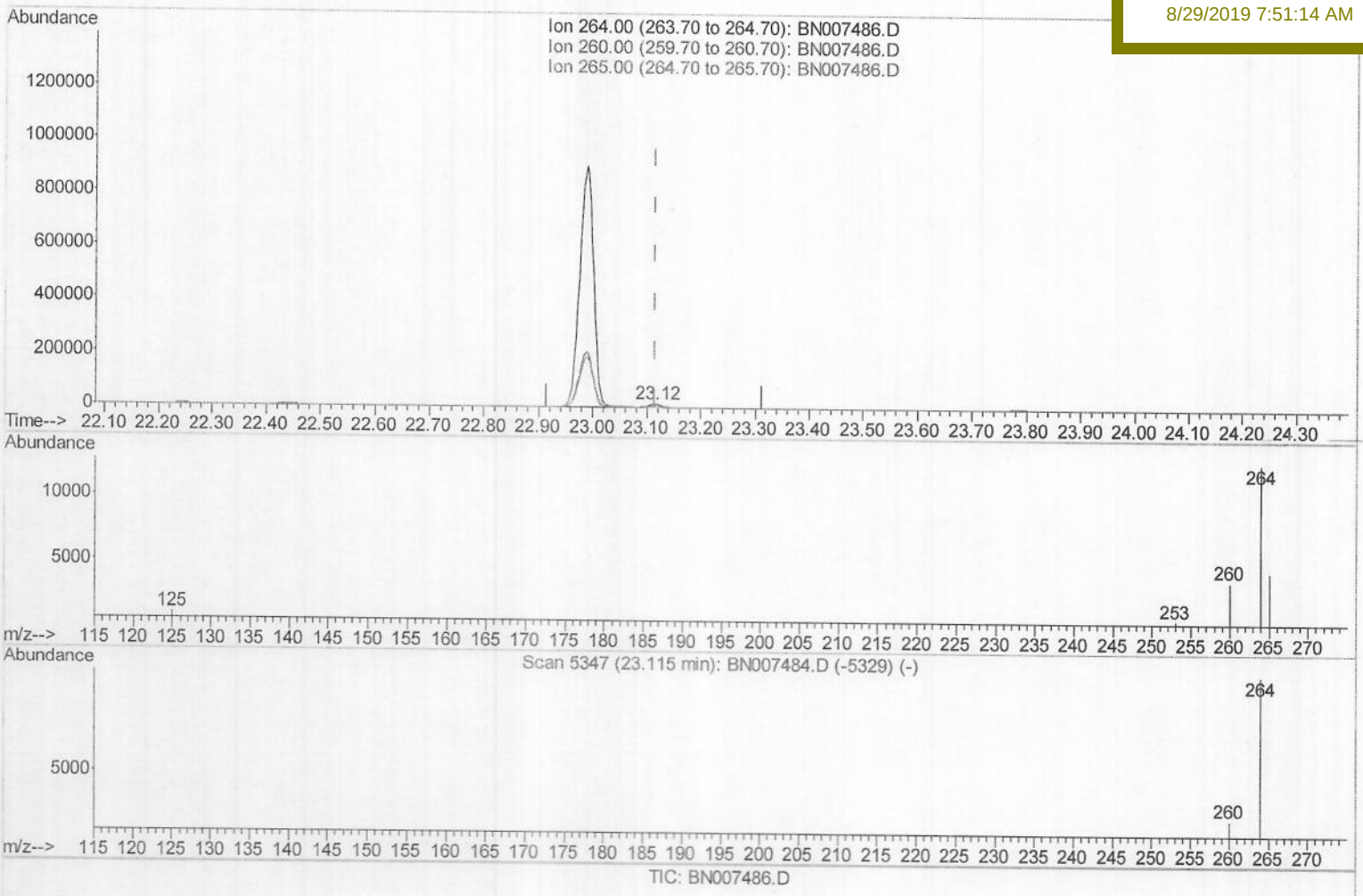
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:44:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



(20) Perylene-d12 (I)

23.115min (+0.000) 0.40ng/ul

response 25027

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	29.92
265.00	35.80	35.30
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

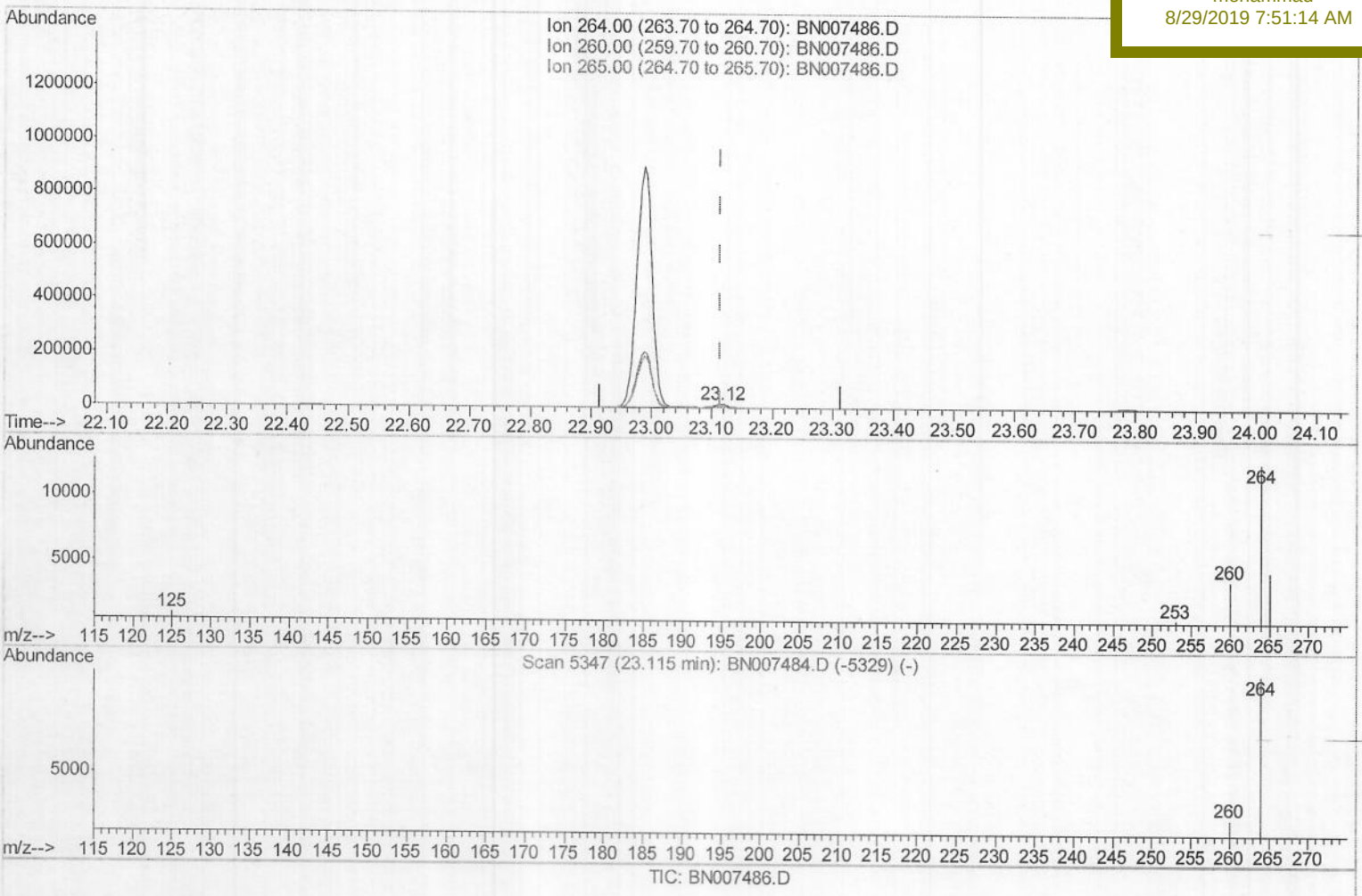
Quantitation Report (Qedit)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:44:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM



(20) Perylene-d12 (I)

23.115min (+0.000) 0.40ng/ul m) JU 08/30/19

response 18749

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	29.92
265.00	35.80	35.30
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082819\

Quantitation Report (QT Reviewed)

Data File : BN007486.D
Acq On : 29 Aug 2019 02:23
Operator : HP/JU
Sample : K4395-05
Misc :
ALS Vial : 62 Sample Multiplier: 1

Quant Time: Aug 29 03:46:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 03:32:53 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : C0AF0

Manual Integrations APPROVED
mohammad
8/29/2019 7:51:14 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	5098	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	22562	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	11806	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	26573m	0.40	ng/ul	0.00
16) Chrysene-d12	21.01	240	21090m	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	18749m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	10502	0.30	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	25666m	0.30	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.20	128	9696	0.152	ng/ul#	95
5) 2-Methylnaphthalene	11.83	142	1324	0.031	ng/ul#	1
7) Acenaphthylene	13.76	152	10722	0.163	ng/ul#	86
8) Acenaphthene	14.11	153	223688	4.739	ng/ul	99
9) Fluorene	15.10	166	19394	0.380	ng/ul#	86
12) Phenanthrene	16.84	178	4692m	0.057	ng/ul	
13) Anthracene	16.93	178	157242m	2.012	ng/ul	
15) Fluoranthene	18.87	202	22669m	0.204	ng/ul	
17) Pyrene	19.23	202	23915m	0.232	ng/ul	
18) Benzo(a)anthracene	21.00	228	2952m	0.031	ng/ul	

JU 08/30/19

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(#) = qualifier out of range (m) = manual integration (+) = signals summed