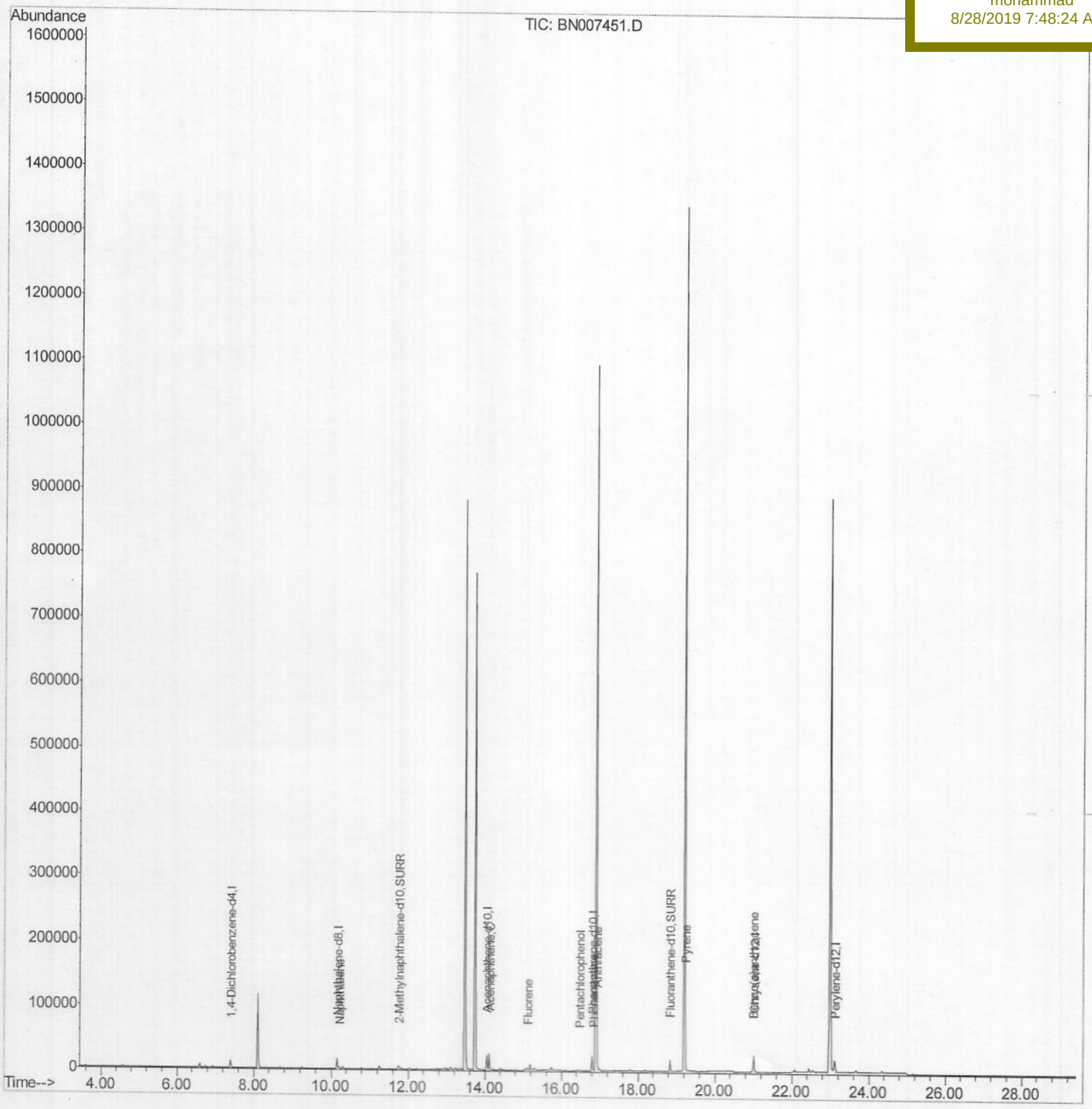
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:55:46 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



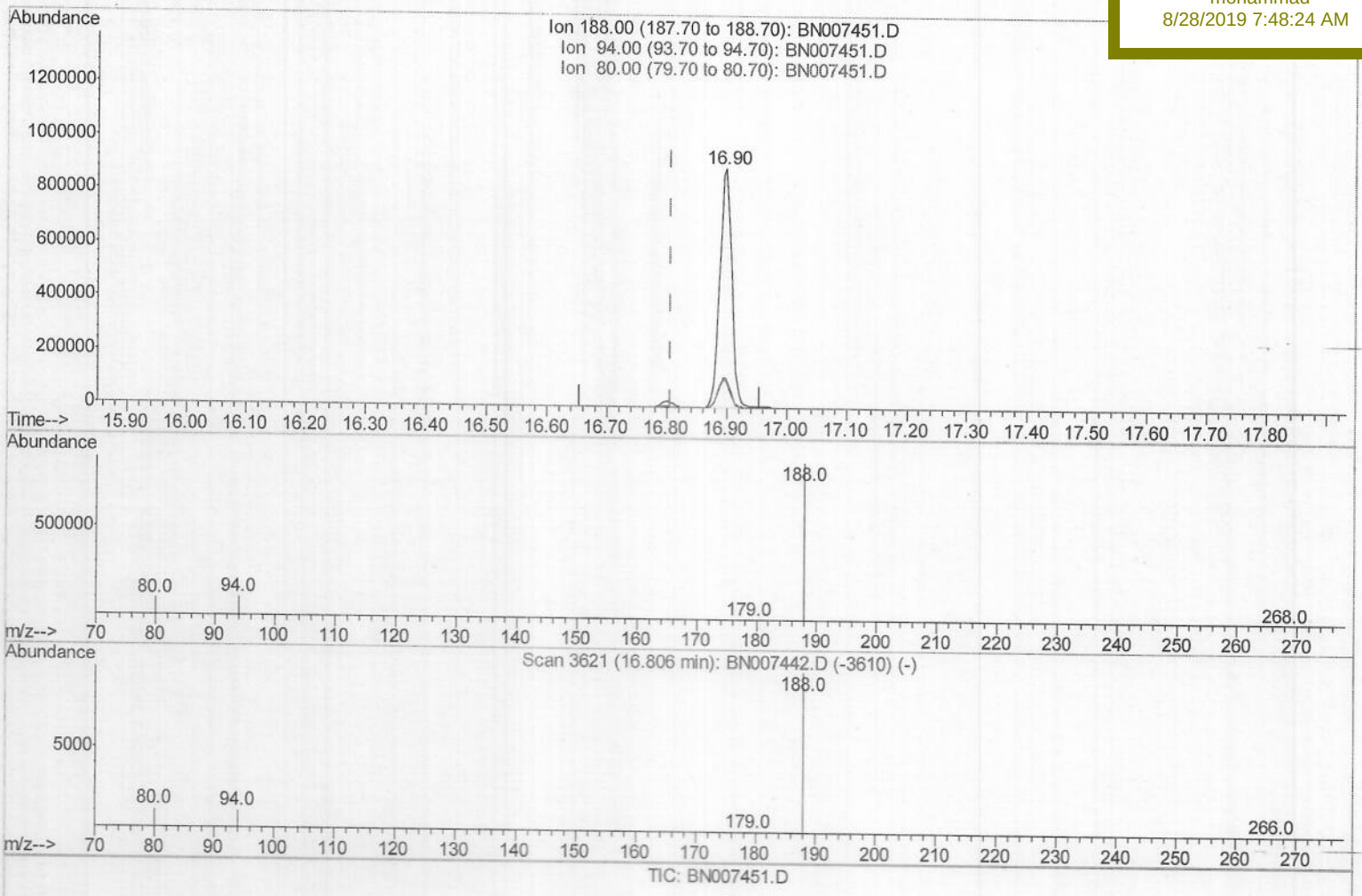
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:40:51 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(10) Phenanthrene-d10 (I)

16.899min (+0.093) 0.40ng/ul

response 1251748

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	12.01
80.00	12.40	10.93
0.00	0.00	0.00

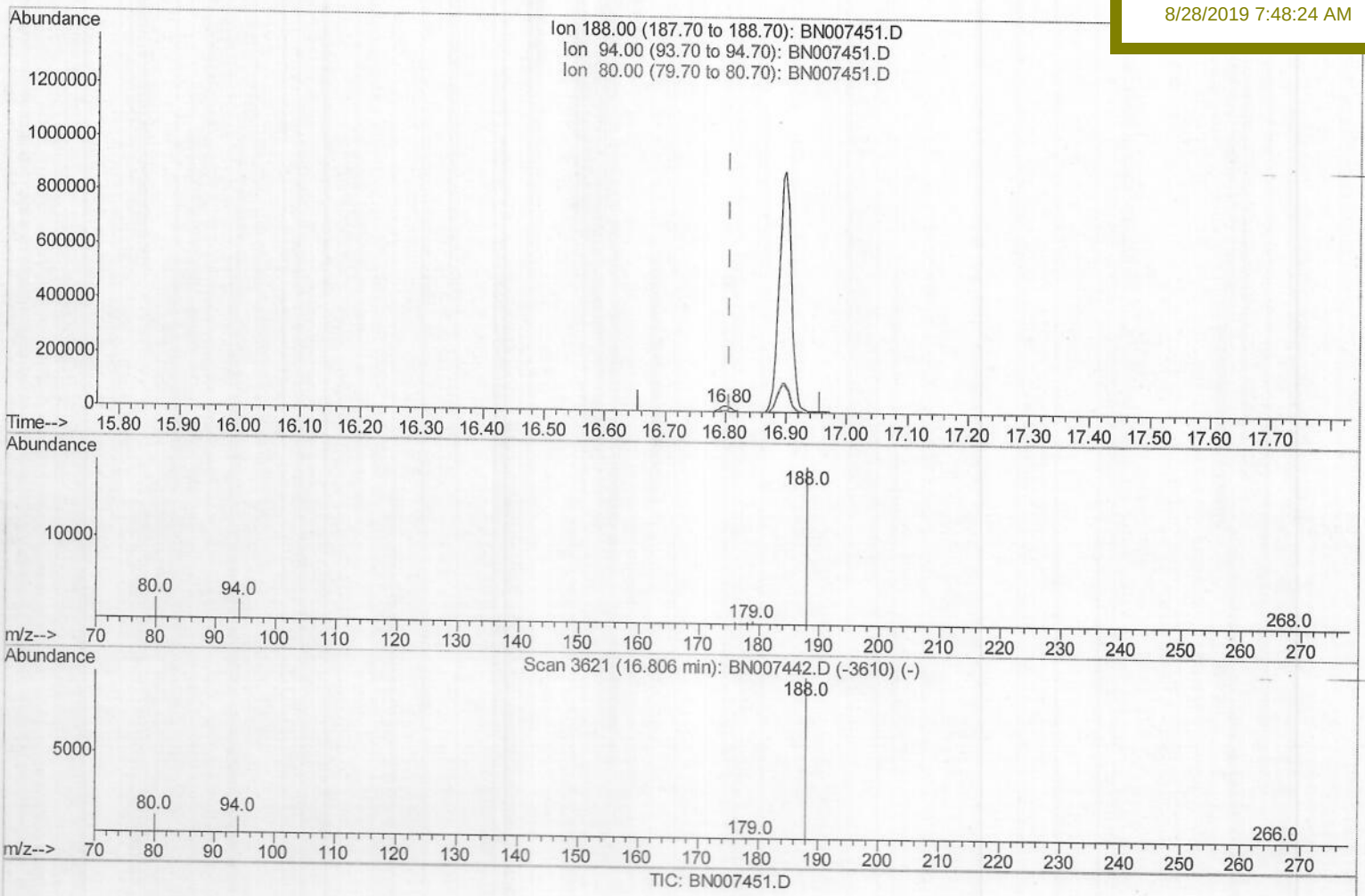
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:40:51 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(10) Phenanthrene-d10 (I)

16.802min (-0.004) 0.40ng/ul m JJU 08/28/19

response 26451

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	12.33
80.00	12.40	13.40
0.00	0.00	0.00

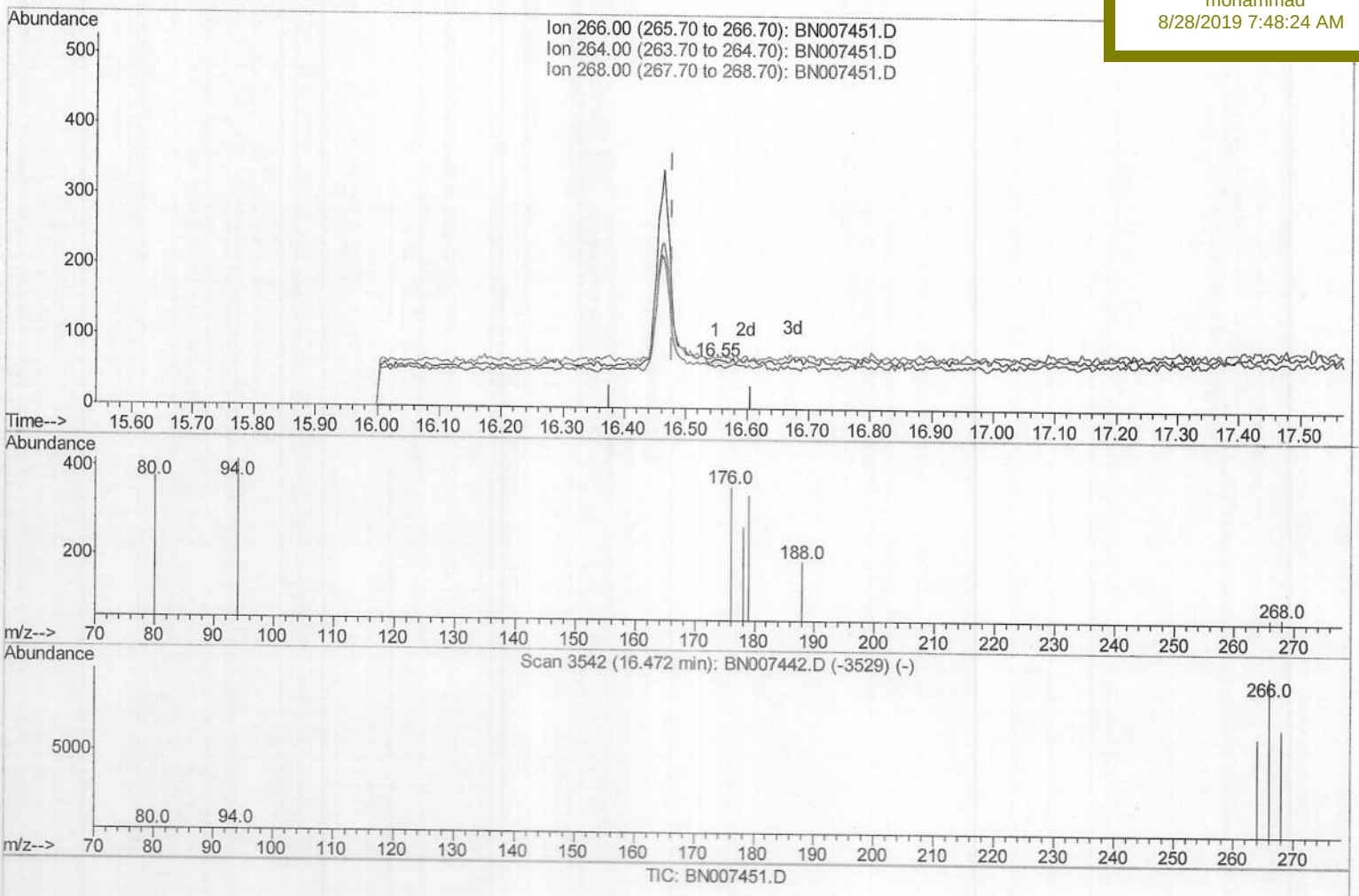
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:51:08 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(11) Pentachlorophenol

16.548min (+0.072) 0.00ng/ul

response 7

Ion	Exp%	Act%
266.00	100	100
264.00	61.30	0.00#
268.00	62.70	85.71#
0.00	0.00	0.00

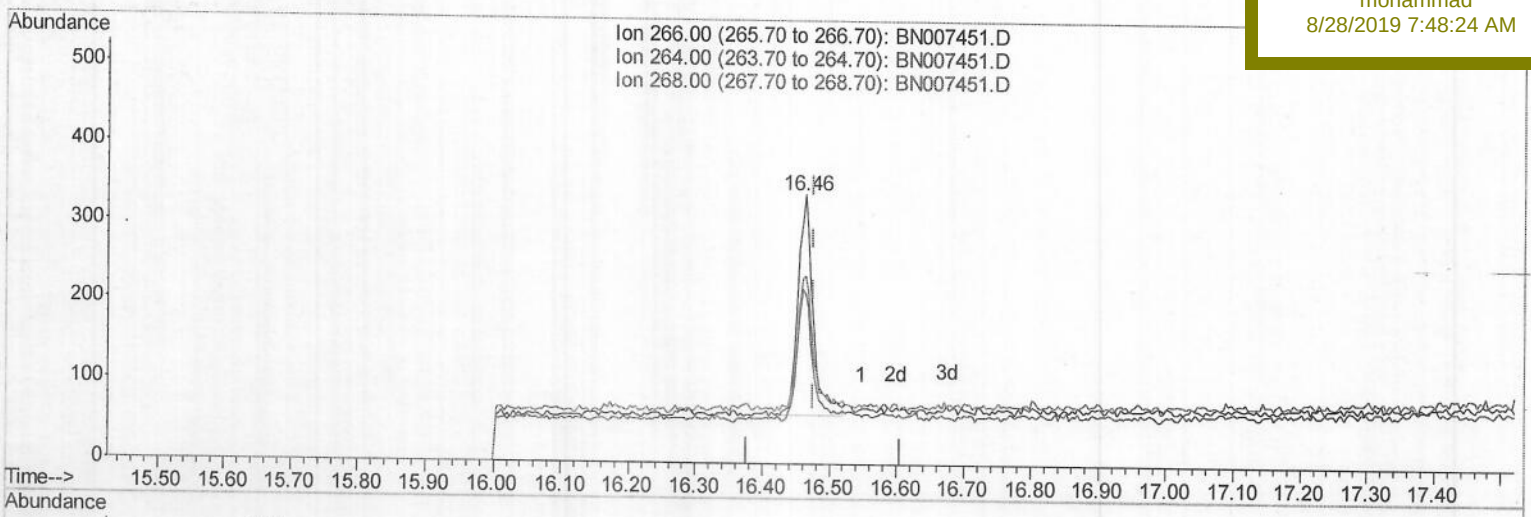
Quantitation Report (Qedit)

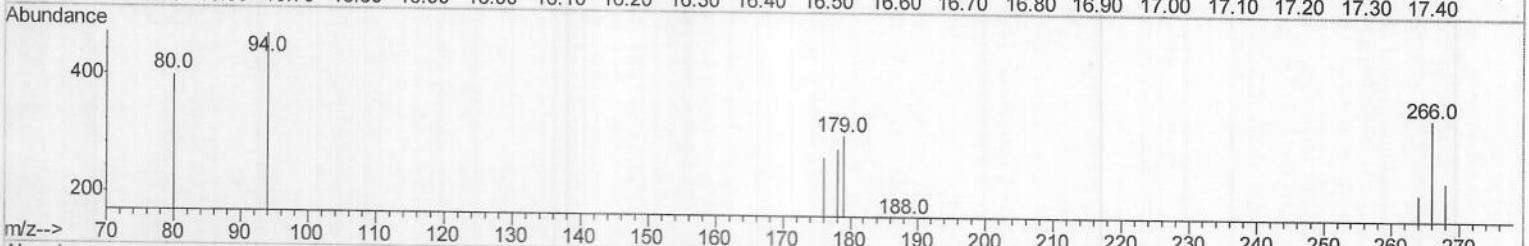
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

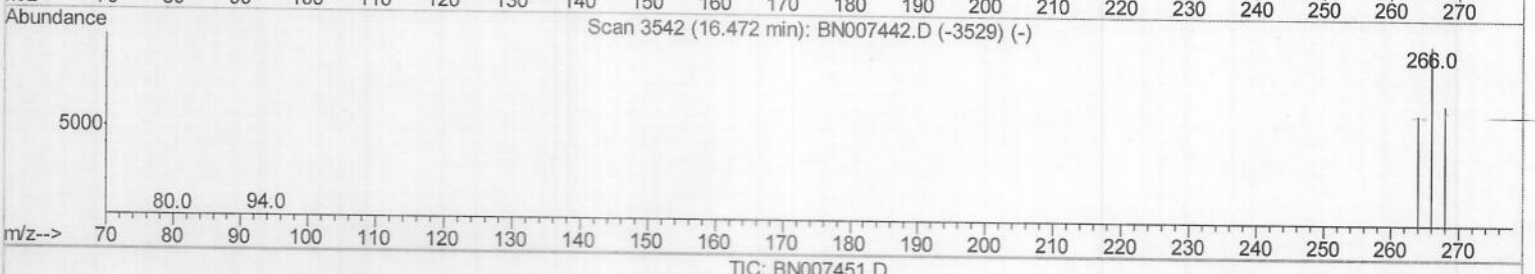
Quant Time: Aug 28 03:51:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM







TIC: BN007451.D

(11) Pentachlorophenol

16.464min (-0.013) 0.07ng/ul m JU 08/28/19

response 435

Ion	Exp%	Act%
266.00	100	100
264.00	61.30	0.00#
268.00	62.70	1.38#
0.00	0.00	0.00

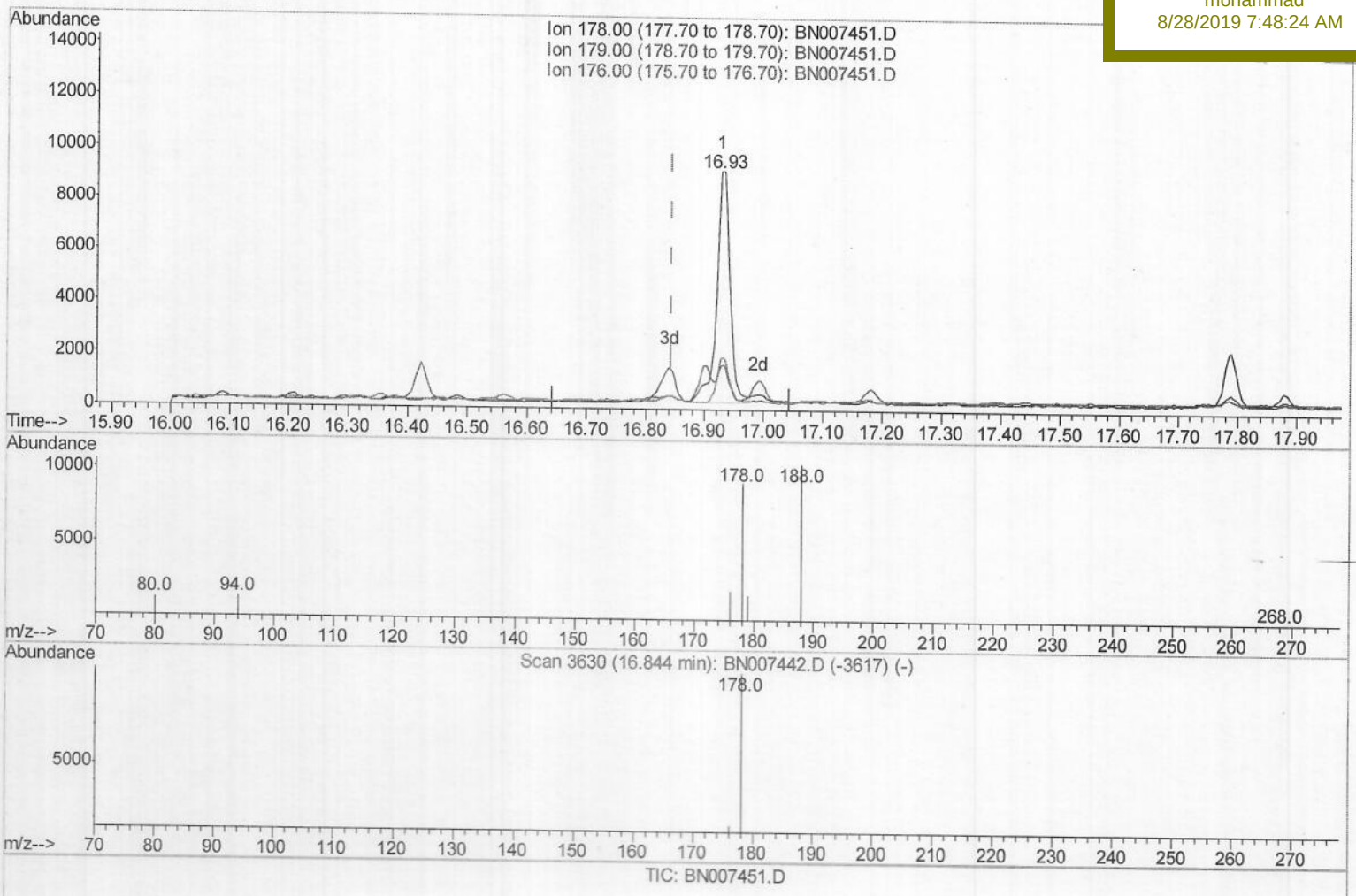
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:51:37 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(12) Phenanthrene

16.928min (+0.084) 0.17ng/ul

response 13813

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	18.33
176.00	19.00	21.37
0.00	0.00	0.00

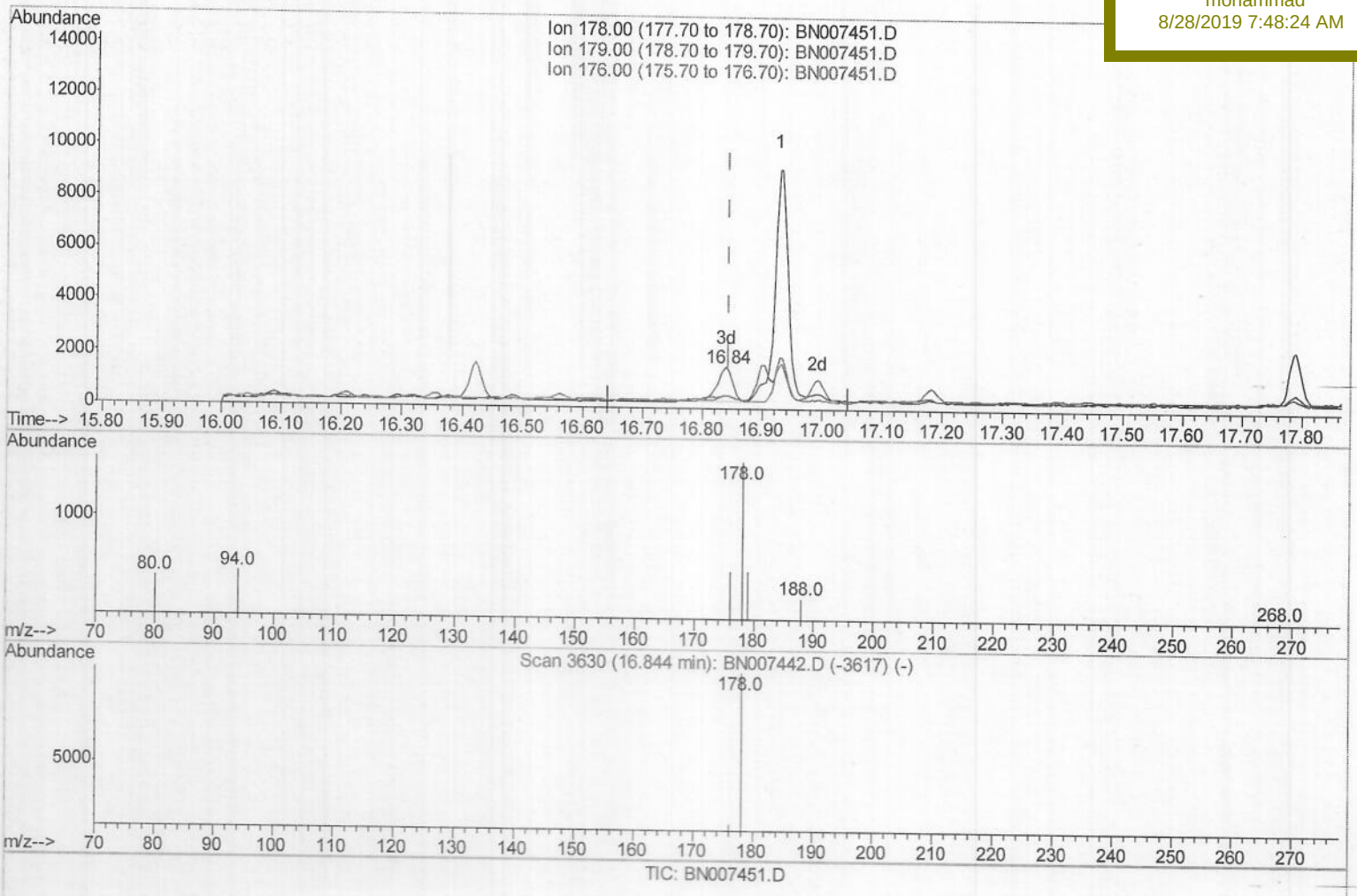
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:51:37 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(12) Phenanthrene

16.840min (-0.004) 0.03ng/ul m JJU 08/28/19

response 2252

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	32.78#
176.00	19.00	32.72#
0.00	0.00	0.00

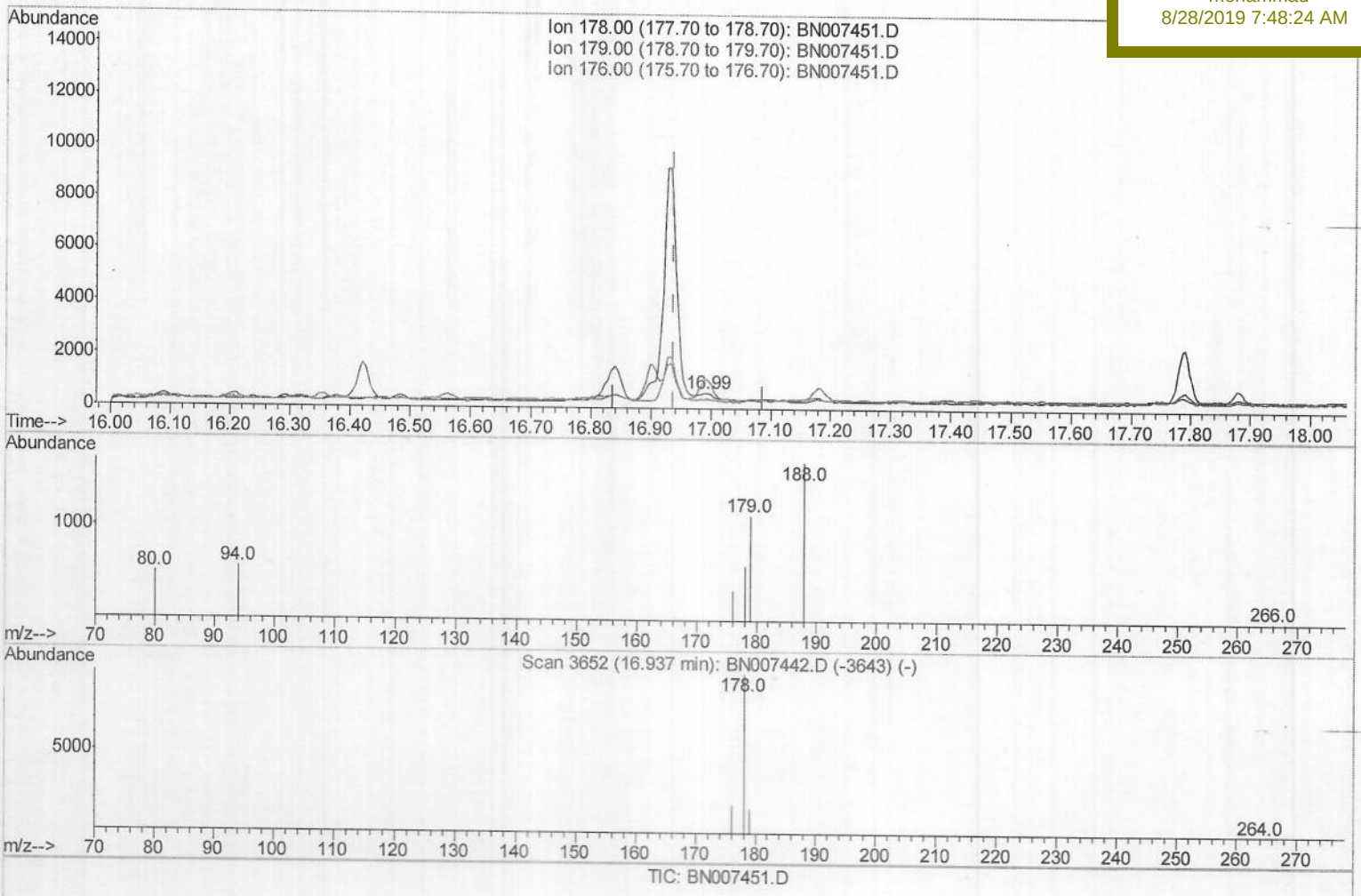
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:51:37 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(13) Anthracene

16.992min (+0.055) 0.01ng/ul

response 531

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	185.45#
176.00	18.20	59.67#
0.00	0.00	0.00

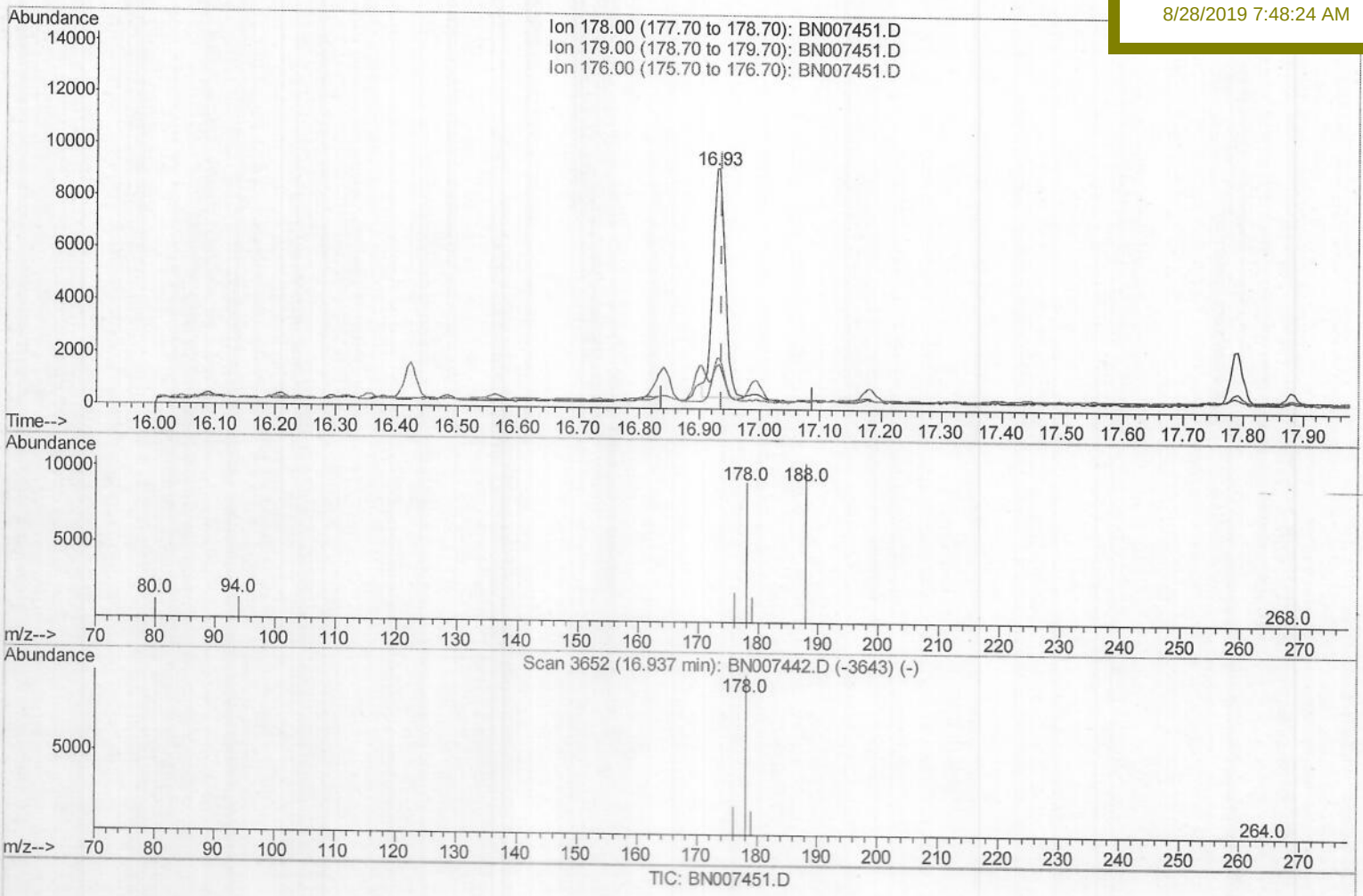
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:51:37 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(13) Anthracene

16.928min (-0.009) 0.16ng/ul m) JU 08/28/19

response 12447

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	18.33
176.00	18.20	21.37
0.00	0.00	0.00

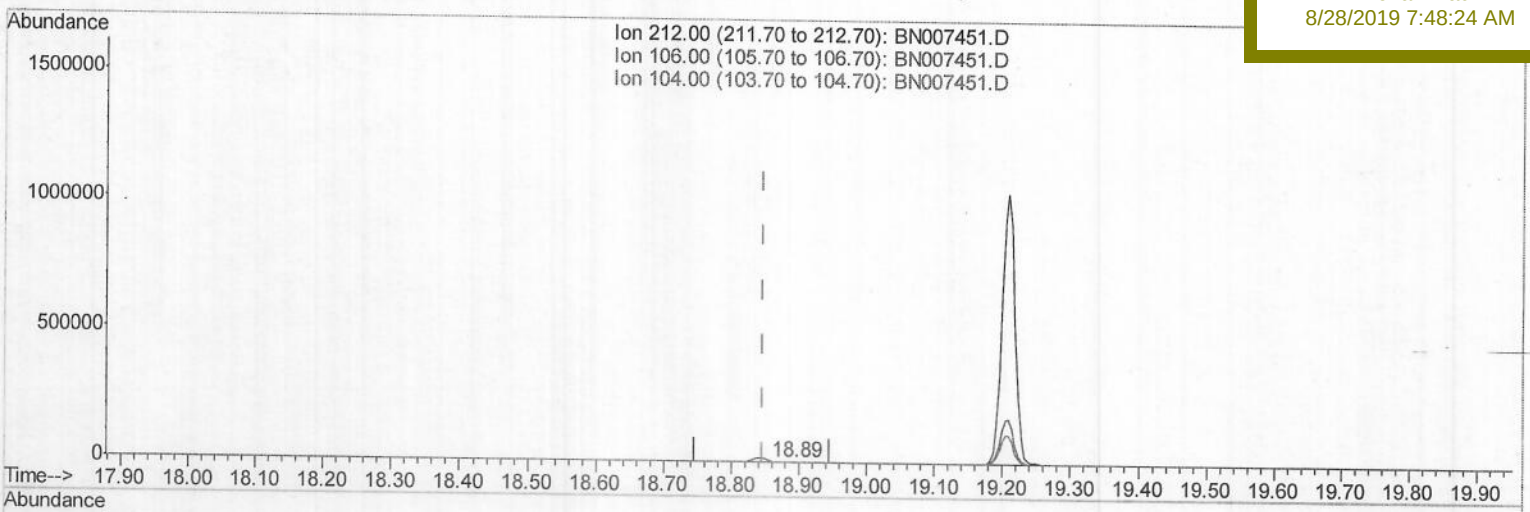
Quantitation Report (Qedit)

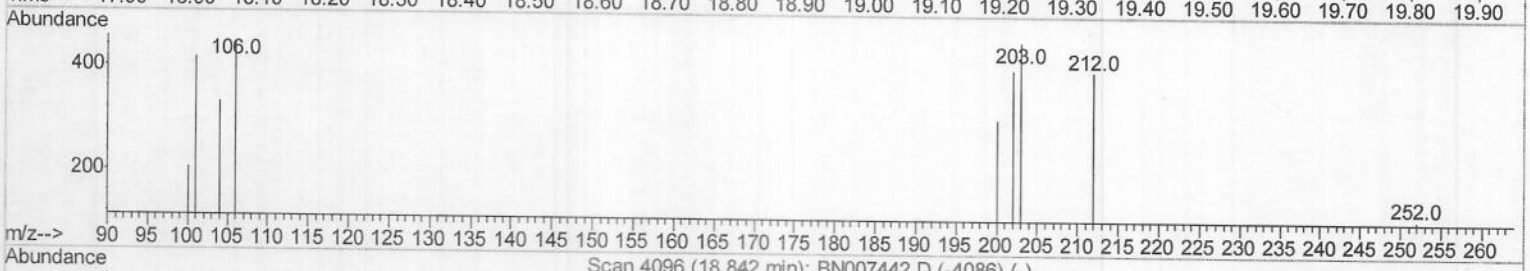
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

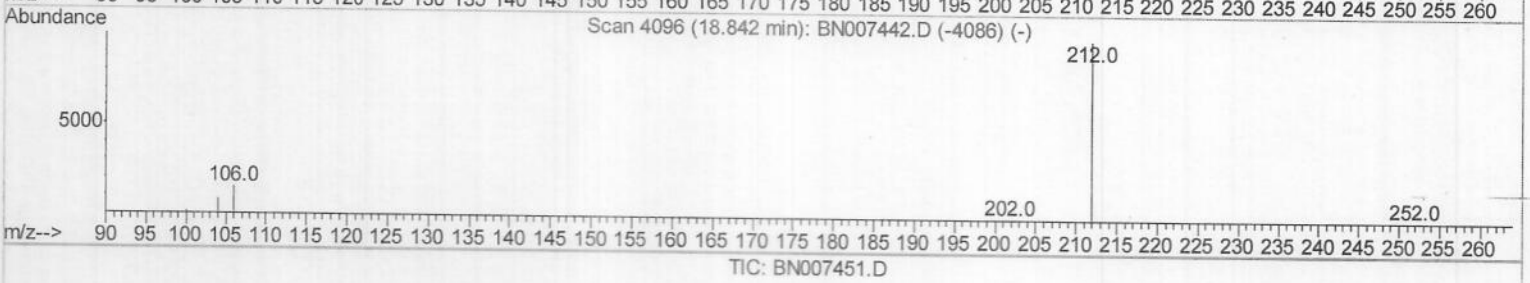
Quant Time: Aug 28 03:51:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM







(14) Fluoranthene-d10 (SURR)

18.893min (+0.046) 0.00ng/ul

response 232

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	0.00#
104.00	8.00	24.57#
0.00	0.00	0.00

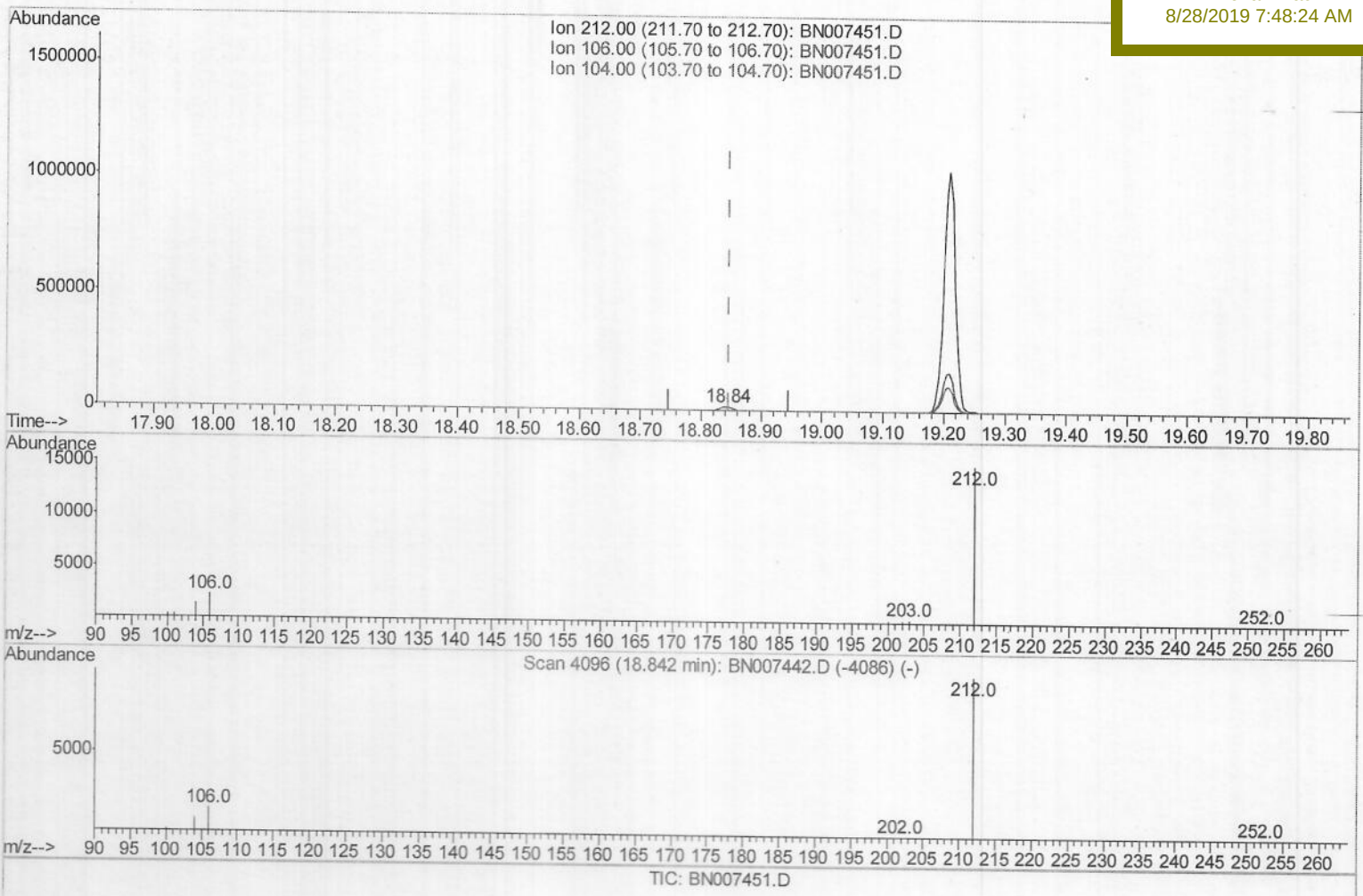
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:51:37 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



(14) Fluoranthene-d10 (SURR)

18.842min (-0.005) 0.23ng/ul m) JU 08/28/19

response 19790

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	0.00#
104.00	8.00	0.29#
0.00	0.00	0.00

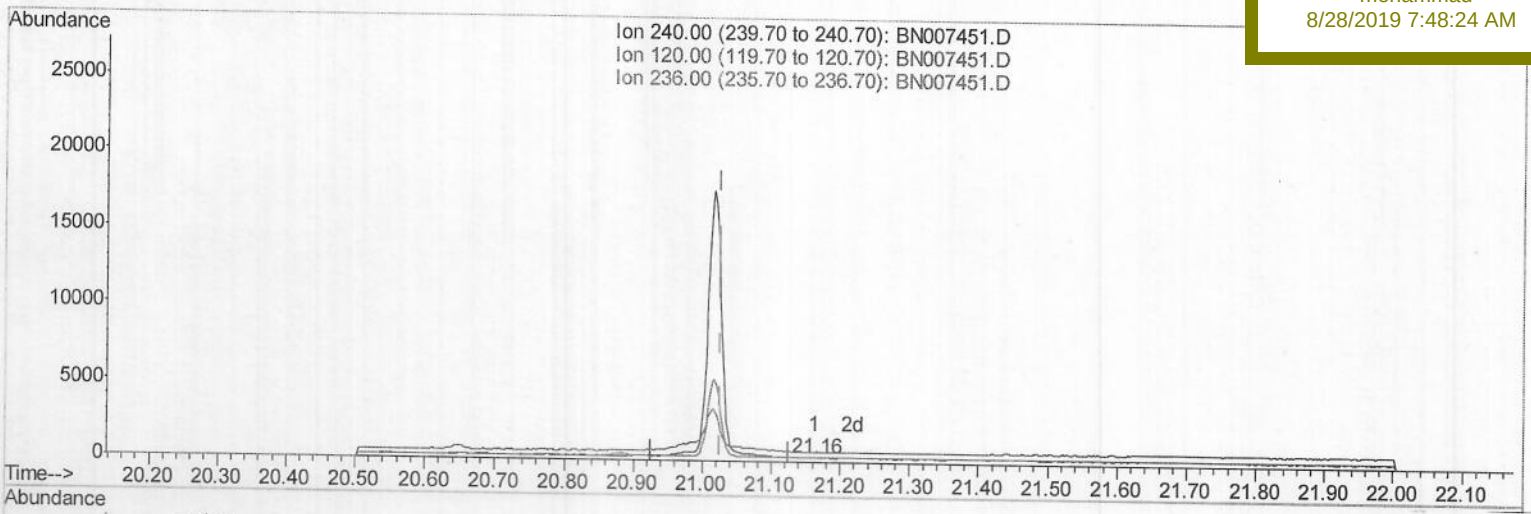
Quantitation Report (Qedit)

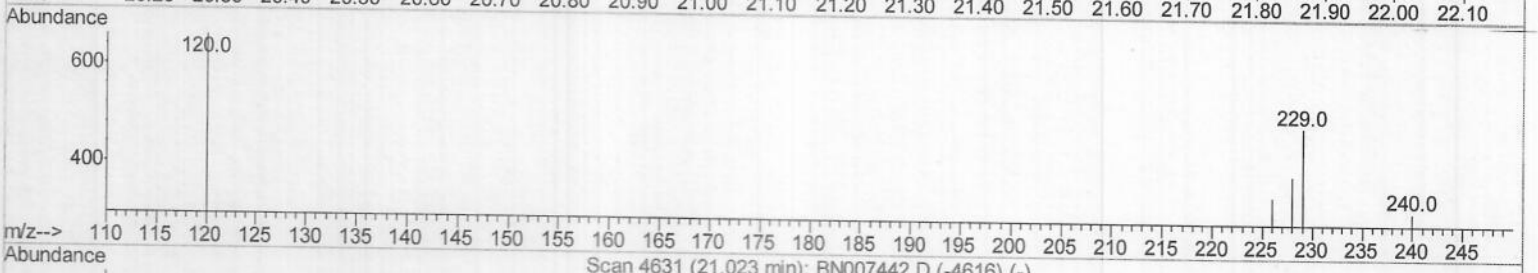
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

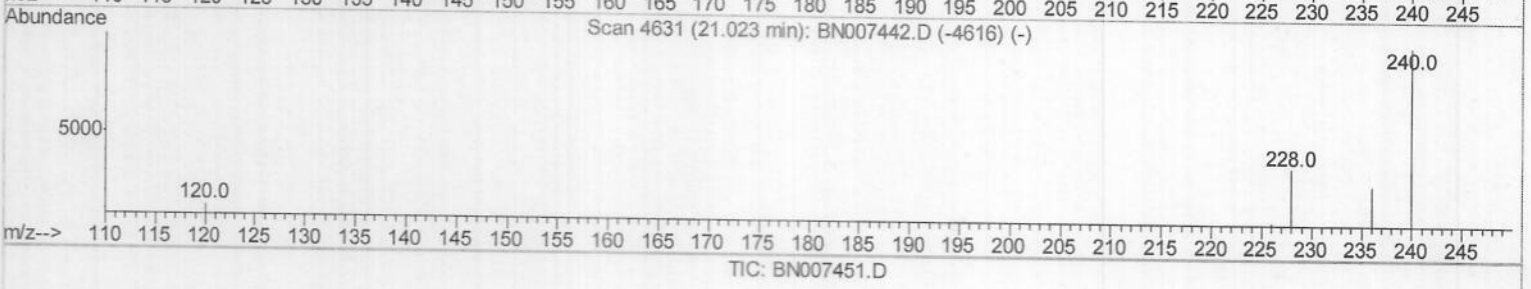
Quant Time: Aug 28 03:53:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM







(16) Chrysene-d12 (I)

21.163min (+0.137) 0.40ng/ul

response 34

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	205.94#
236.00	28.60	91.88#
0.00	0.00	0.00

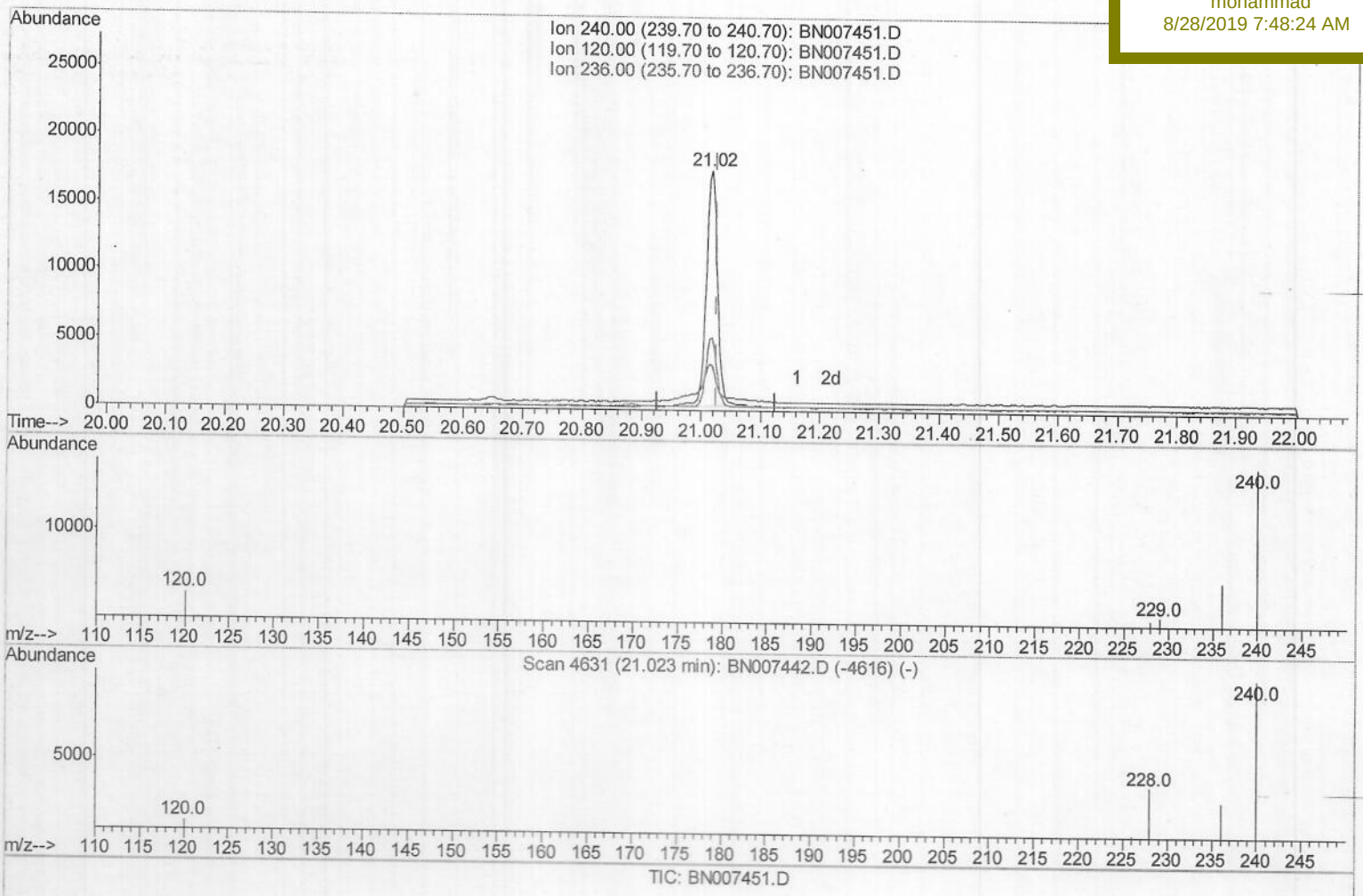
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:53:28 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(16) Chrysene-d12 (I)

21.017min (-0.009) 0.40ng/ul m JU 08/28/19

response 22541

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	18.54#
236.00	28.60	30.01
0.00	0.00	0.00

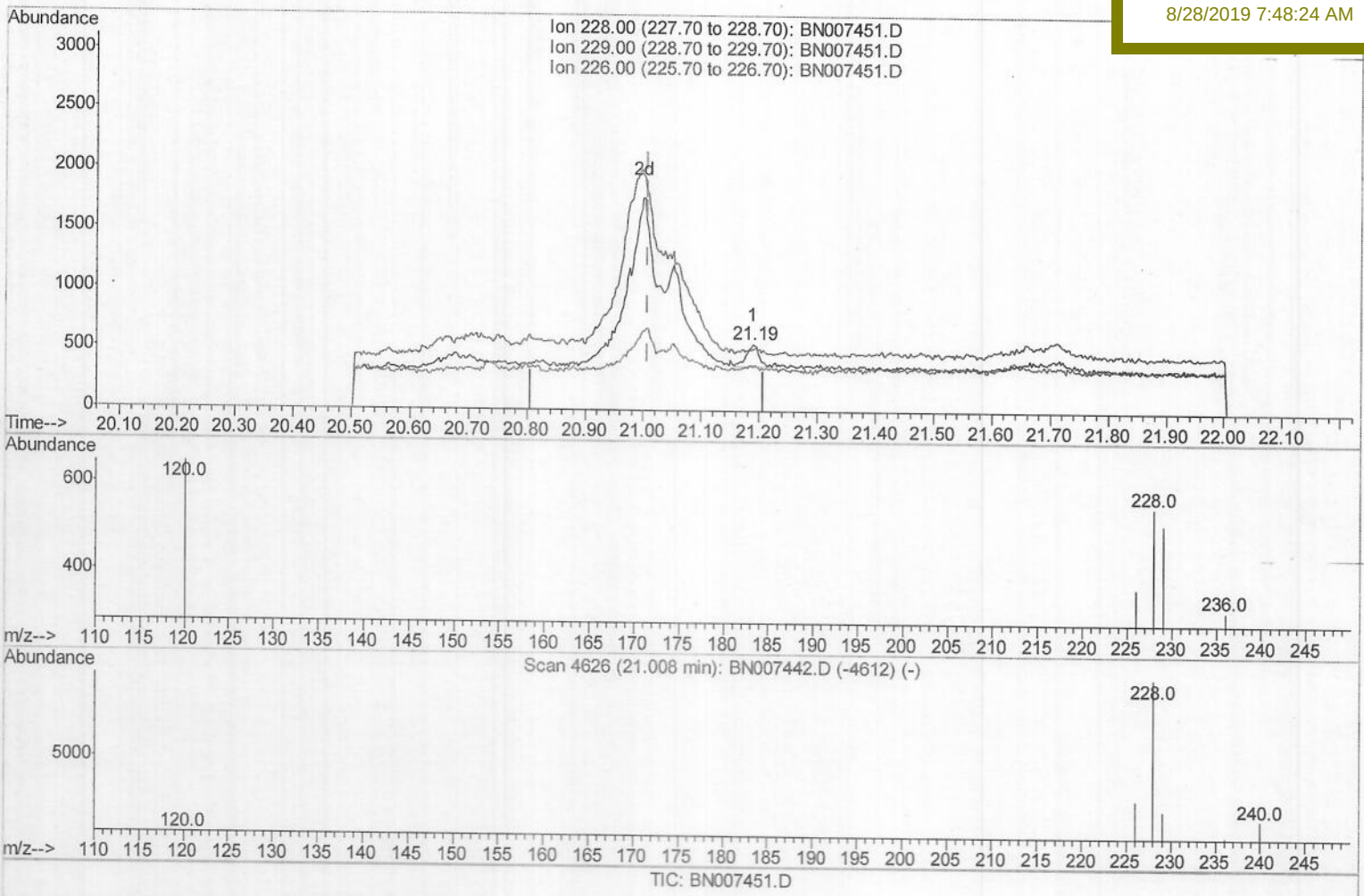
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:54:13 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(18) Benzo(a)anthracene

21.189min (+0.181) 0.00ng/ul

response 281

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	93.28#
226.00	27.50	67.15#
0.00	0.00	0.00

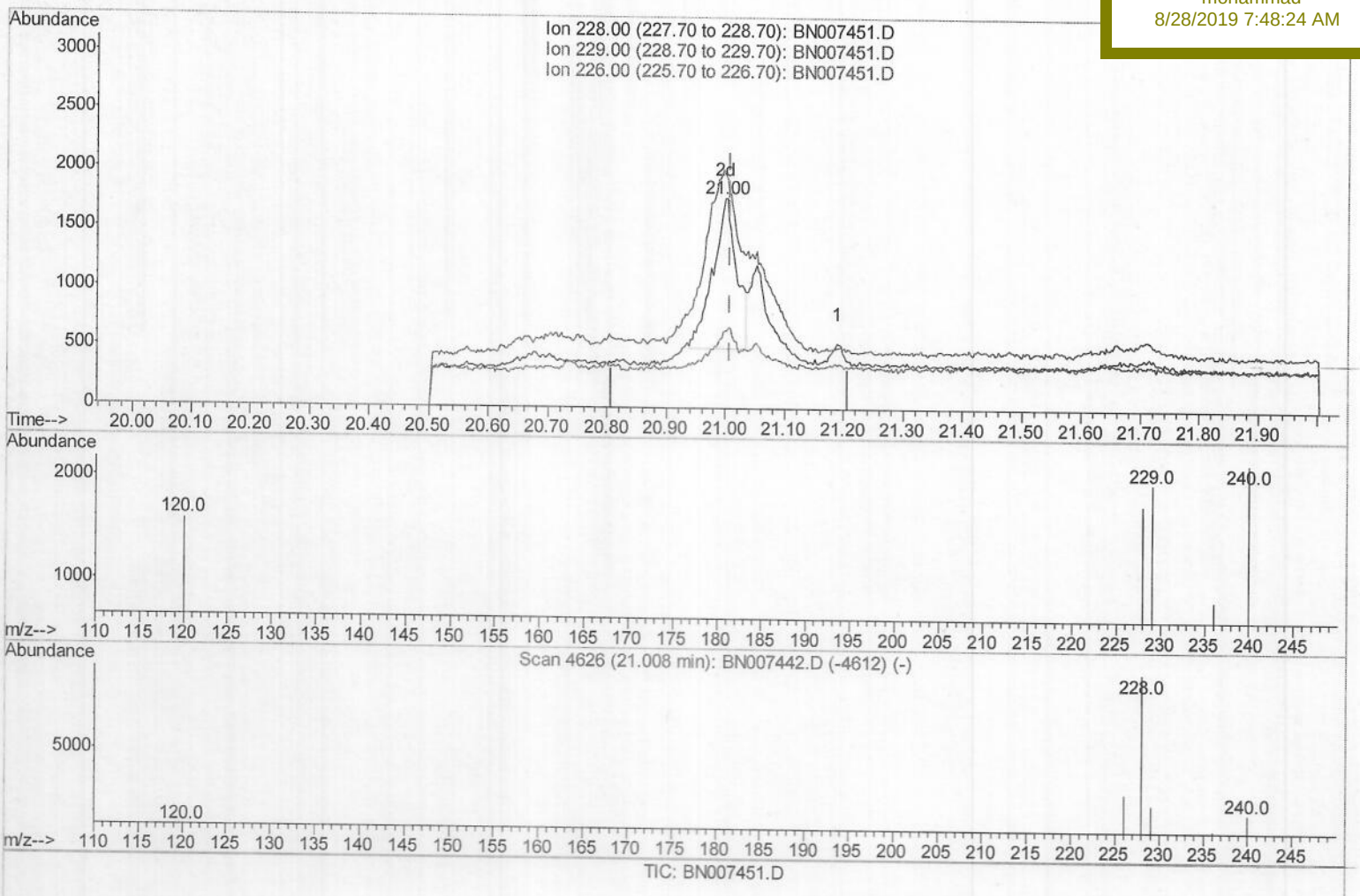
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:54:13 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM



TIC: BN007451.D

(18) Benzo(a)anthracene

20.999min (-0.009) 0.03ng/ul m

JU 08/28/19

response 3482

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	112.02#
226.00	27.50	37.02#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007451.D
Acq On : 28 Aug 2019 02:42
Operator : HP/JU
Sample : K4337-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 03:55:46 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 : Wed Aug 28 02:09:57 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : C0AA2

Manual Integrations APPROVED
mohammad
8/28/2019 7:48:24 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5369	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	22288	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	12882	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	26451m)	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	22541m)	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	25606	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	8009	0.23	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	19790m)	0.23	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.20	128	3424	0.054	ng/ul#	87
8) Acenaphthene	14.11	153	15006	0.291	ng/ul	98
9) Fluorene	15.11	166	2381	0.043	ng/ul#	96
11) Pentachlorophenol	16.46	266	435m)	0.073	ng/ul	
12) Phenanthrene	16.84	178	2252m)	0.027	ng/ul	
13) Anthracene	16.93	178	12447m)	0.160	ng/ul	
17) Pyrene	19.24	202	3852	0.035	ng/ul#	76
18) Benzo(a)anthracene	21.00	228	3482m)	0.035	ng/ul	

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