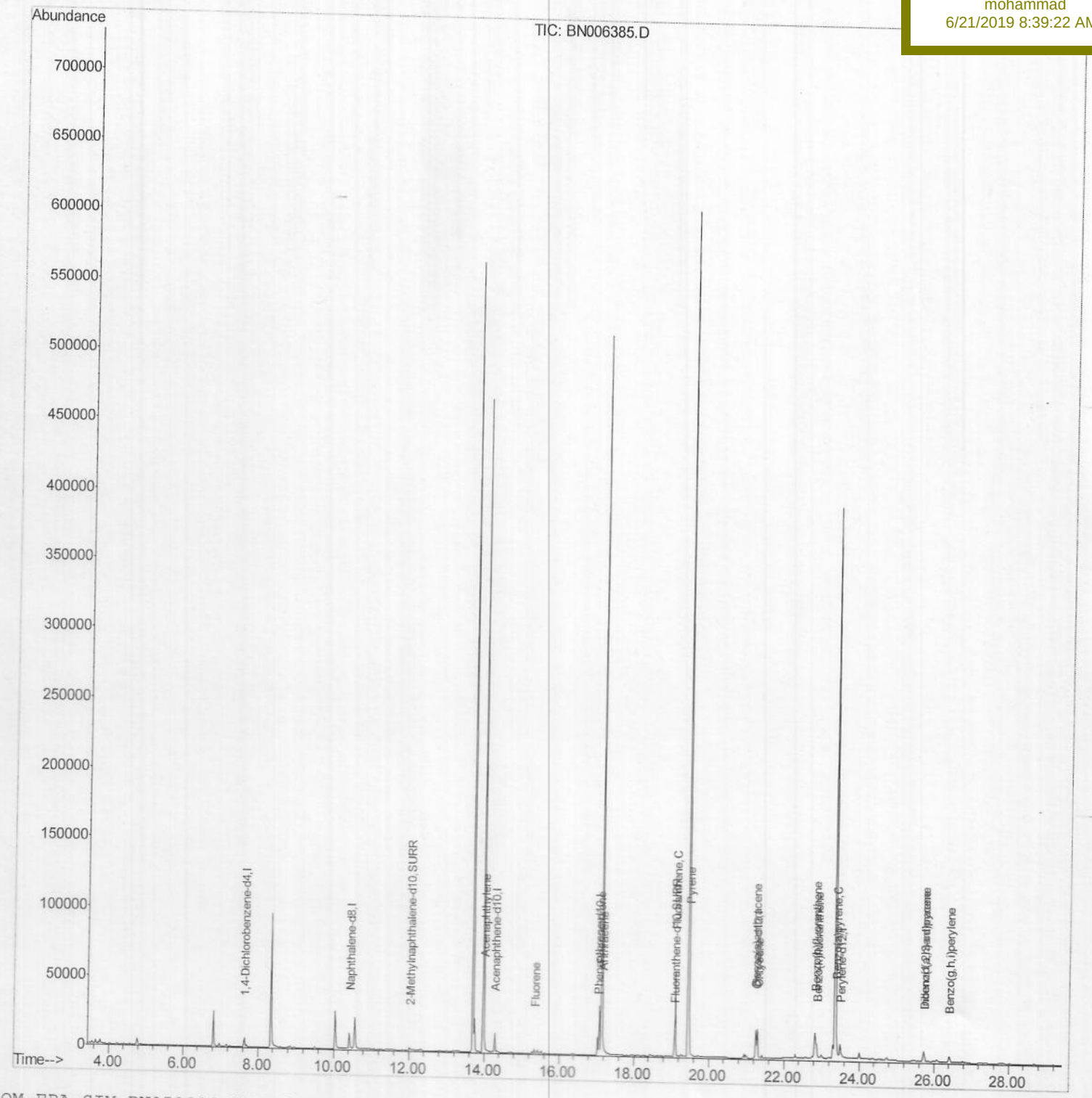
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:06:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



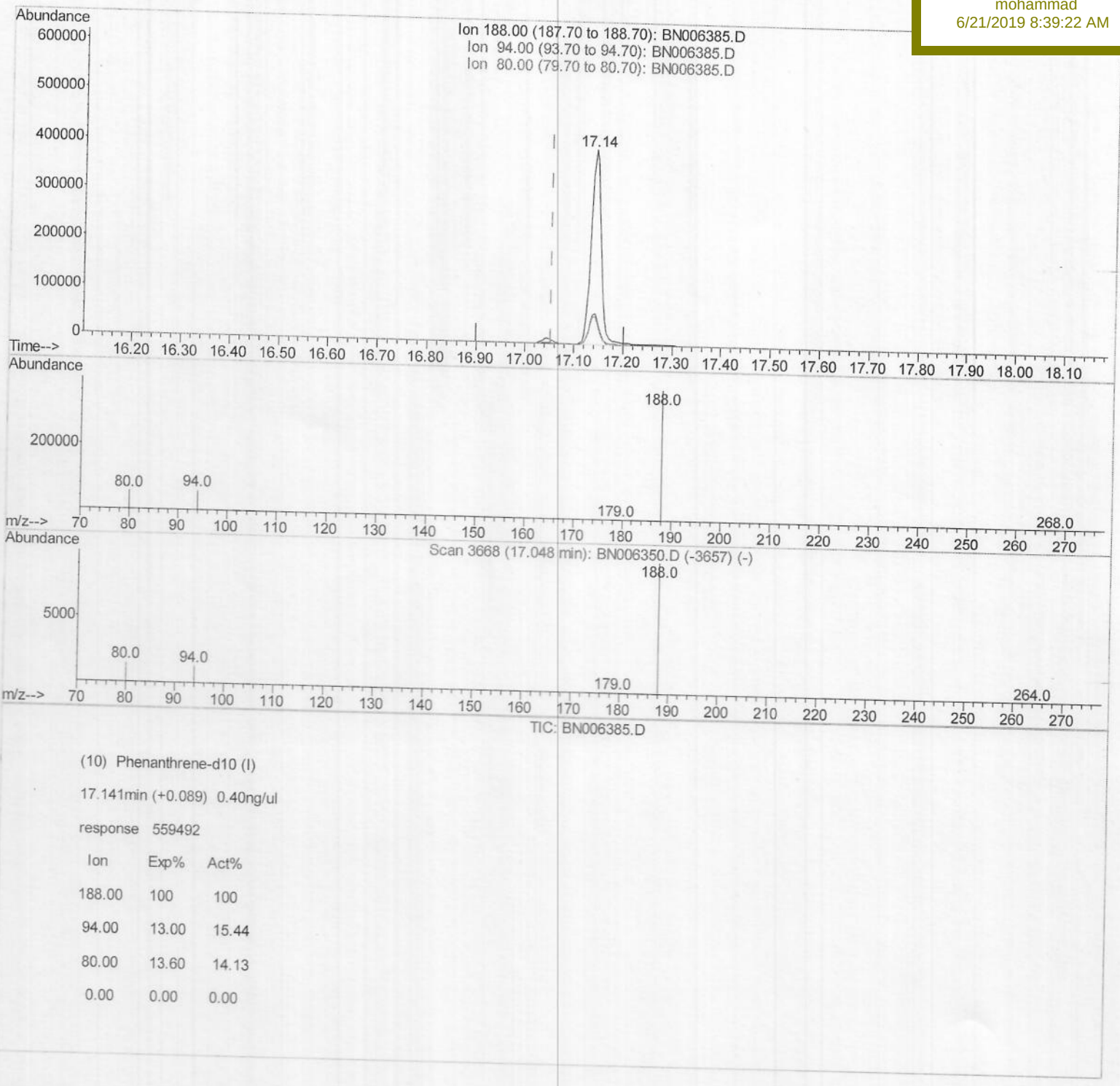
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 01:29:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



(10) Phenanthrene-d10 (I)

17.141min (+0.089) 0.40ng/ul

response 559492

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.44
80.00	13.60	14.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 01:29:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
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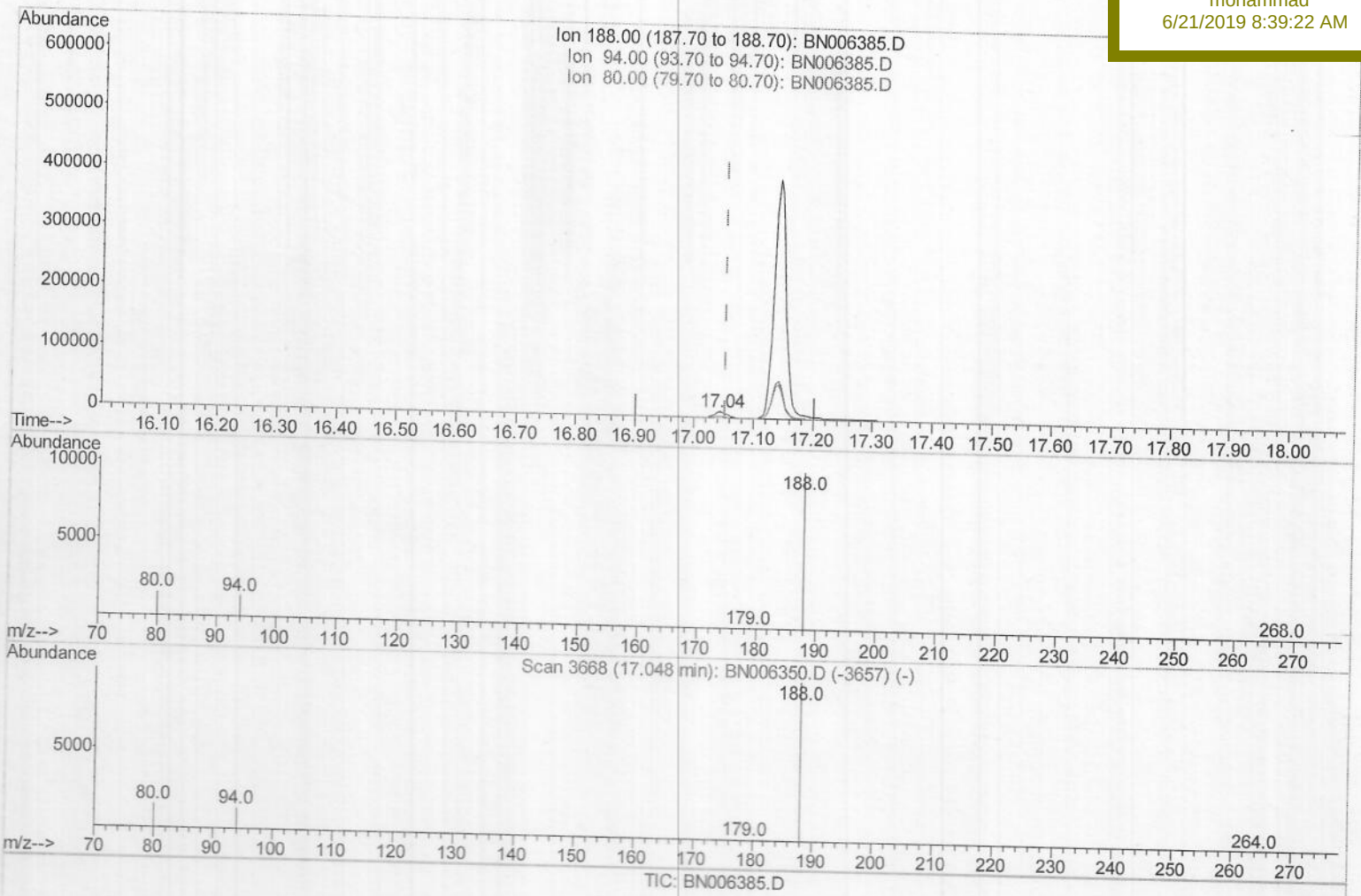
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



TIC: BN006385.D

(10) Phenanthrene-d10 (I)

17.044min (-0.008) 0.40ng/ul m > JU 06/25/19

response 14588

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.94
80.00	13.60	15.81
0.00	0.00	0.00

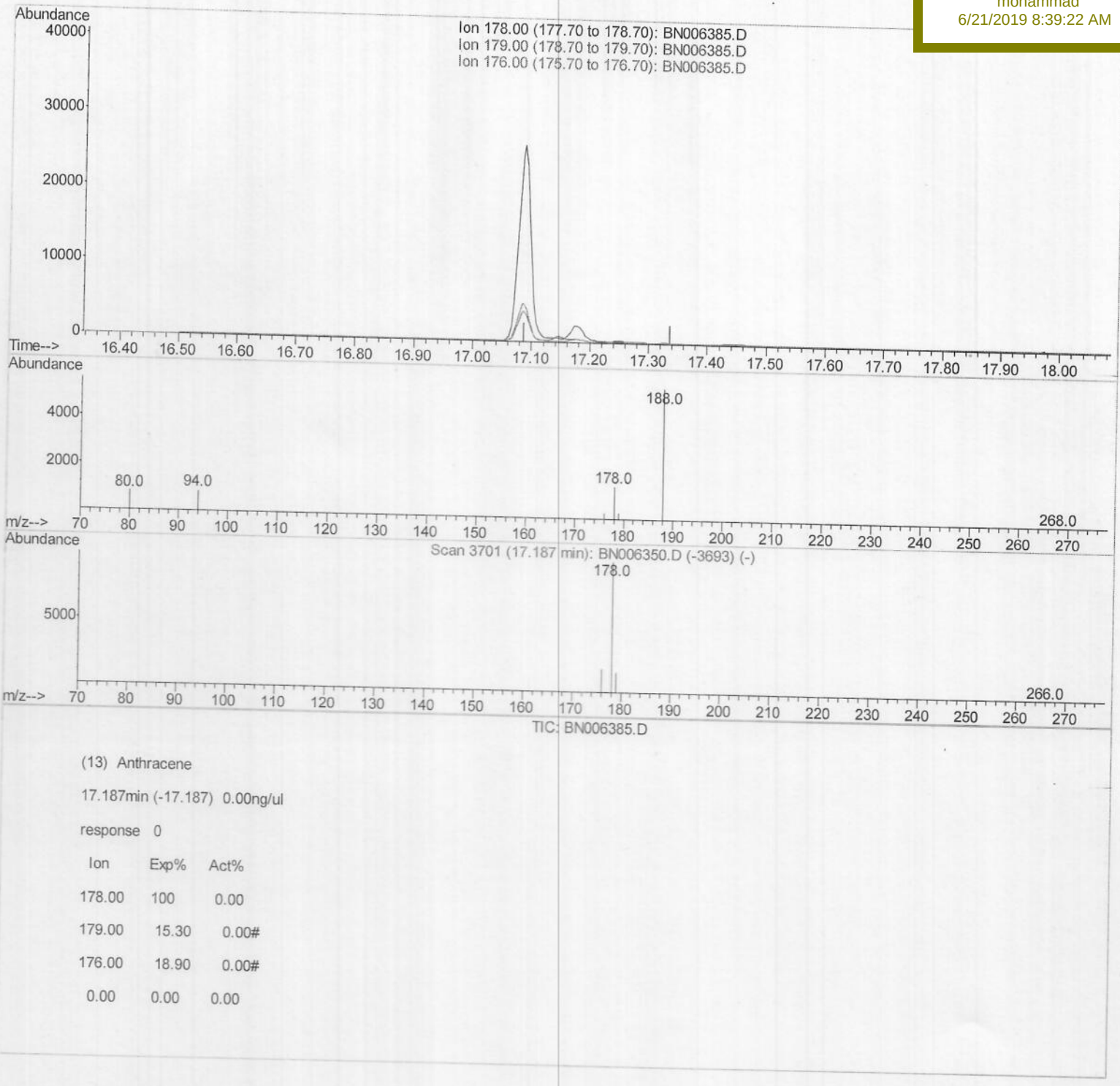
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



(13) Anthracene

17.187min (-17.187) 0.00ng/ul

response 0

Ion	Exp%	Act%
178.00	100	0.00
179.00	15.30	0.00#
176.00	18.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
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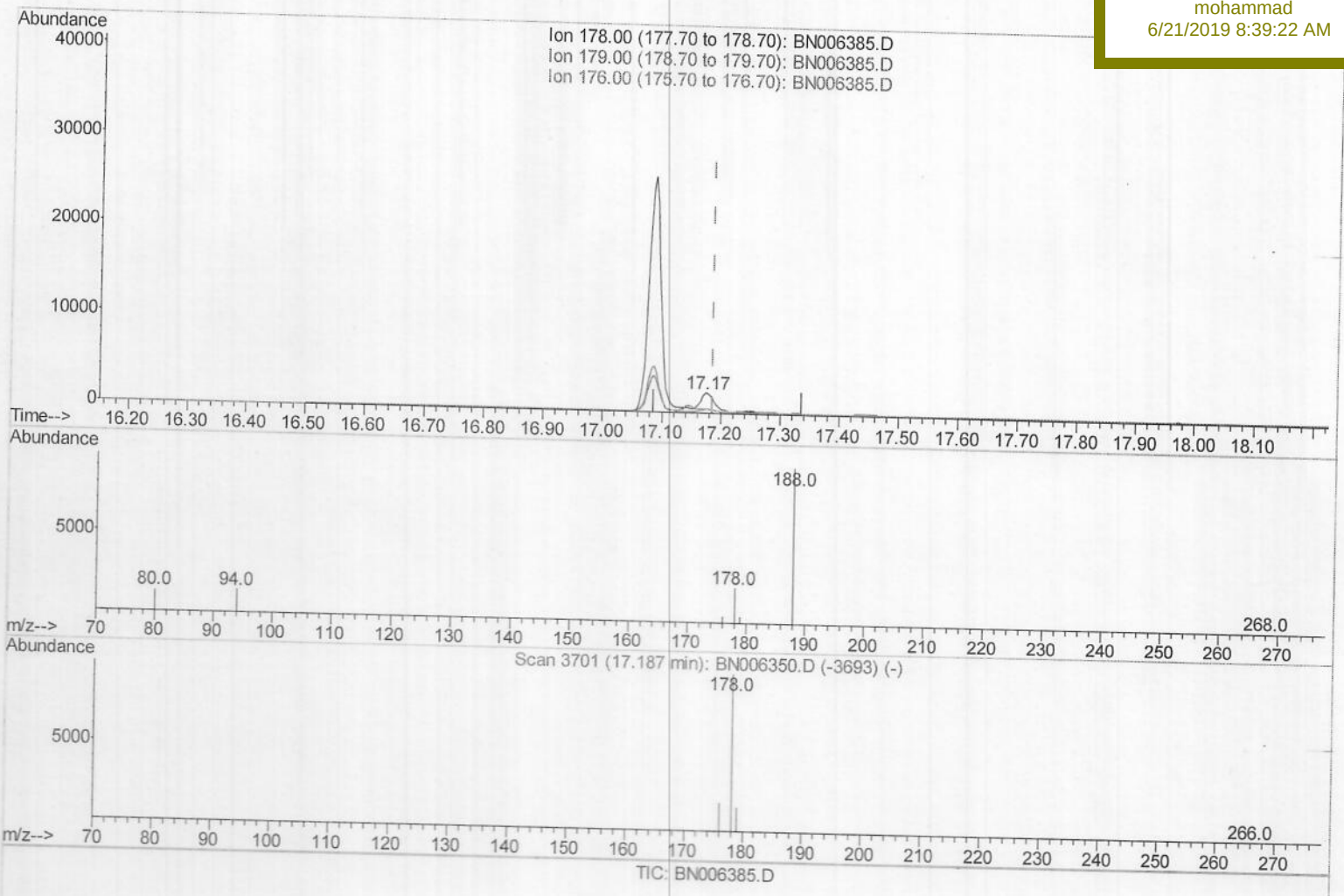
Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



TIC: BN006385.D

(13) Anthracene

17.175min (-0.013) 0.07ng/ul m > JU 06/25/19

response 3177

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	21.51#
176.00	18.90	21.05
0.00	0.00	0.00

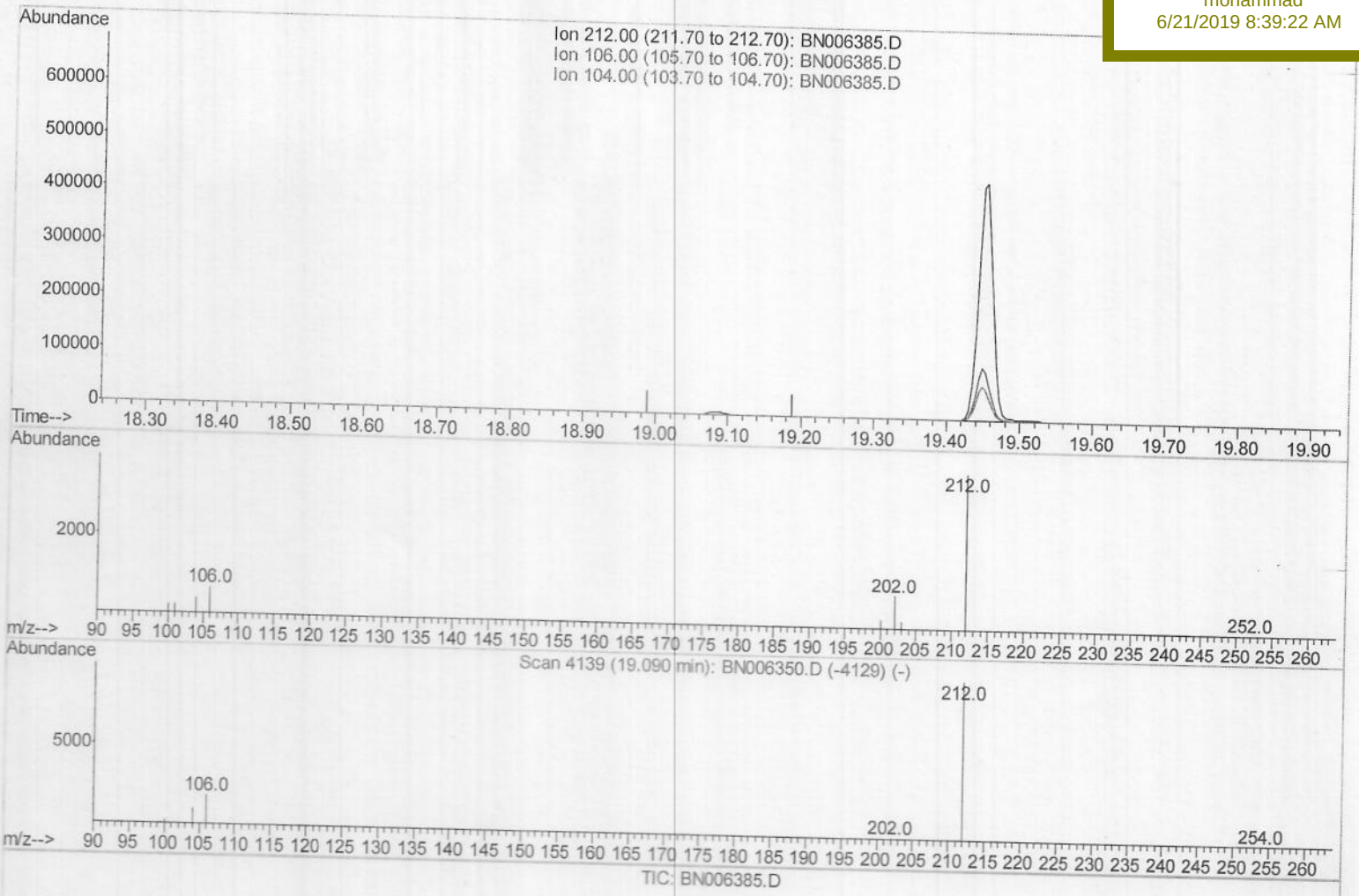
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

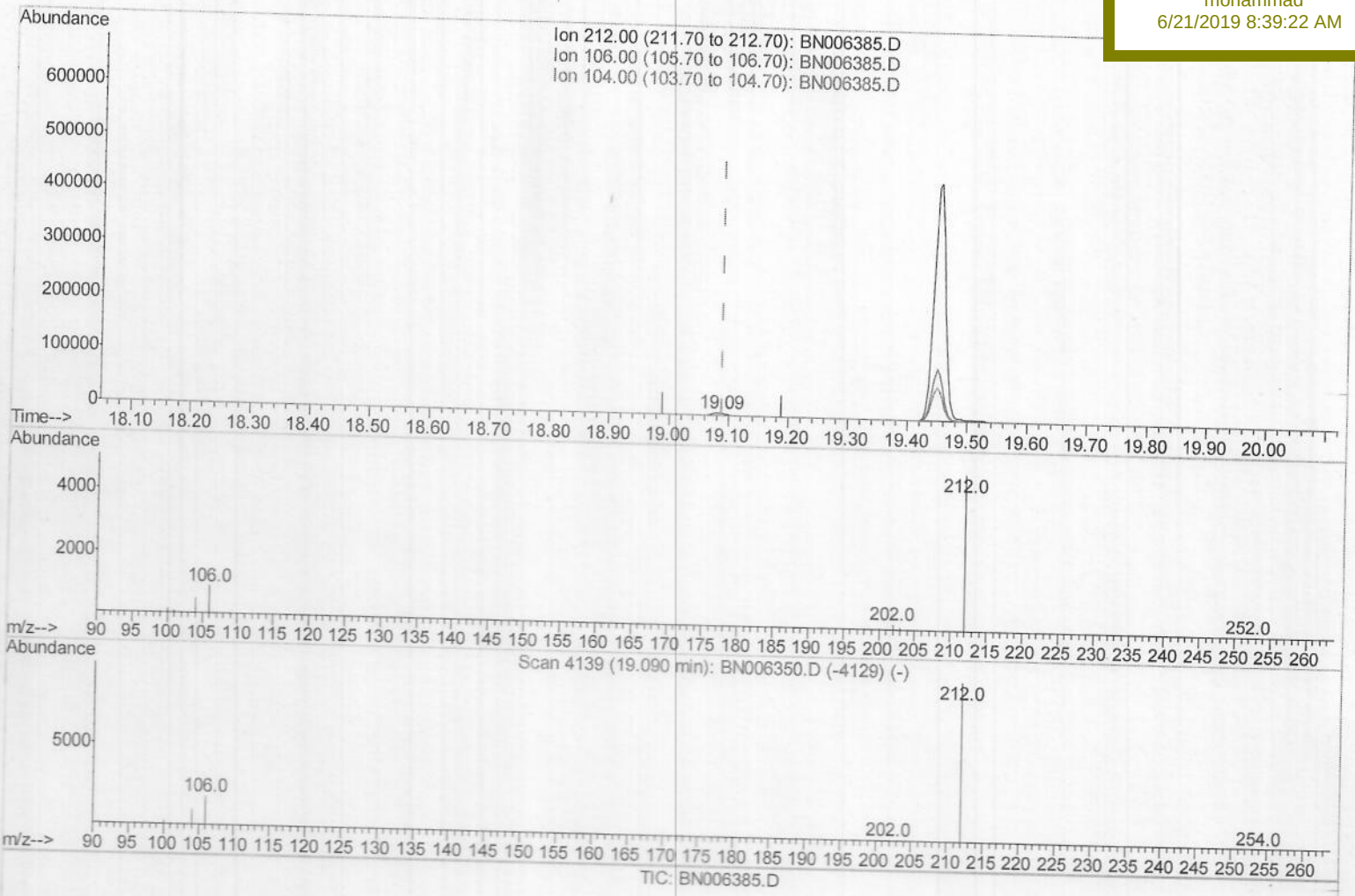
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



(14) Fluoranthene-d10 (SURR)

19.086min (-0.005) 0.18ng/ul m > JU 06/25/19

response 6930

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

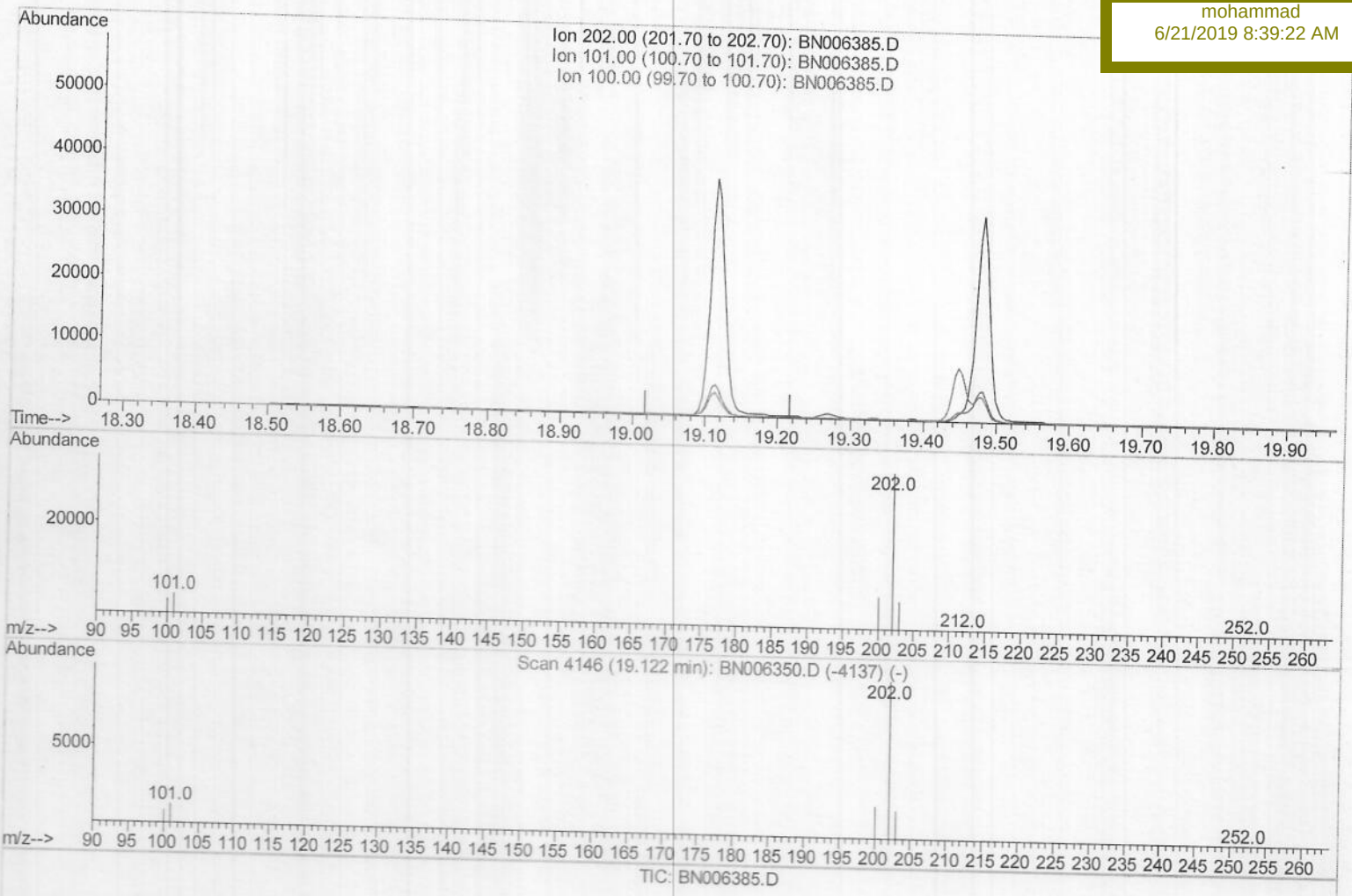
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



(15) Fluoranthene (C)

19.118min (-19.118) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	12.10	0.00
100.00	8.70	0.00
0.00	0.00	0.00

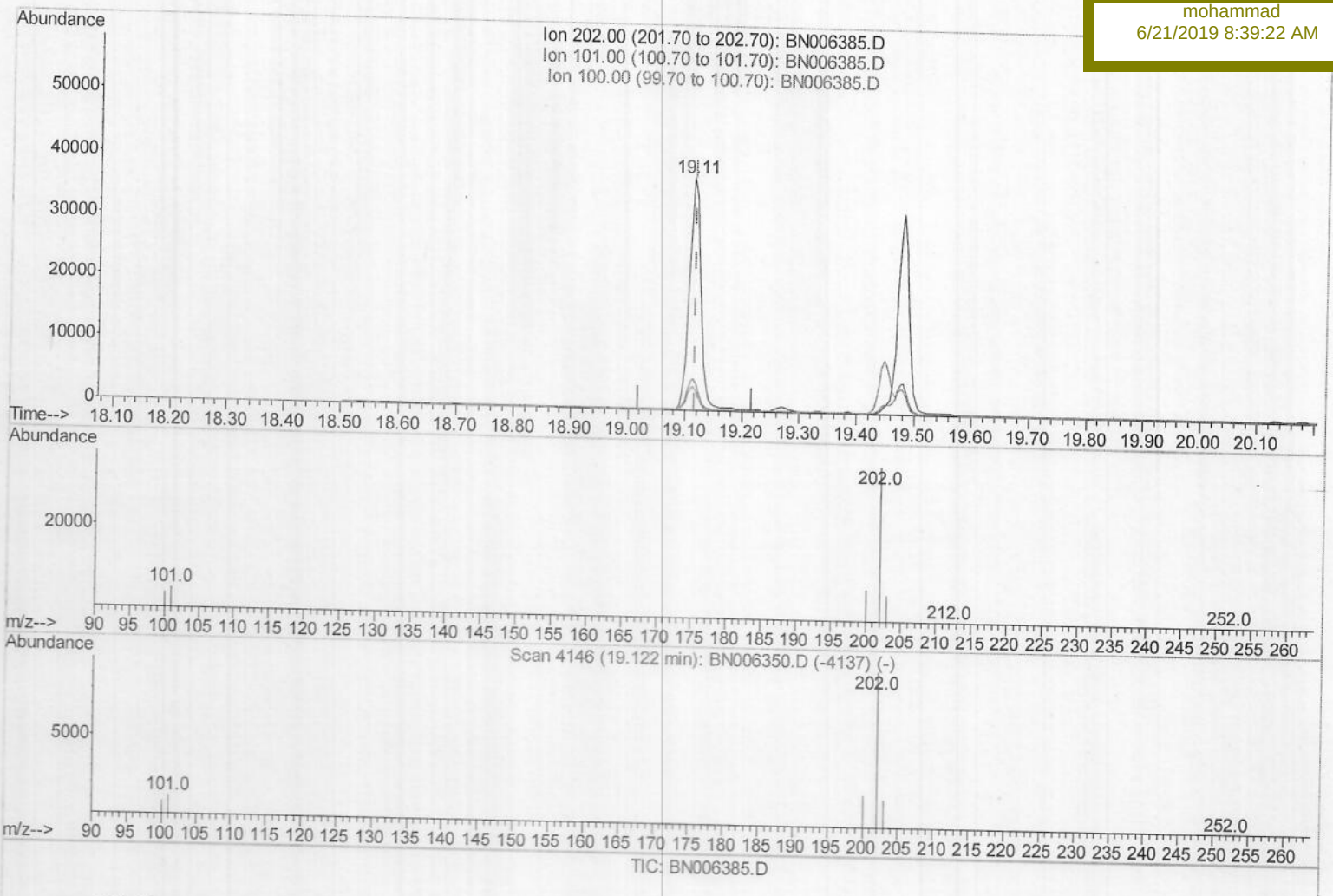
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



TIC: BN006385.D

(15) Fluoranthene (C)

19.113min (-0.005) 1.01ng/ul m > JU 06|25|19

response 52341

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.41
100.00	8.70	10.01
0.00	0.00	0.00

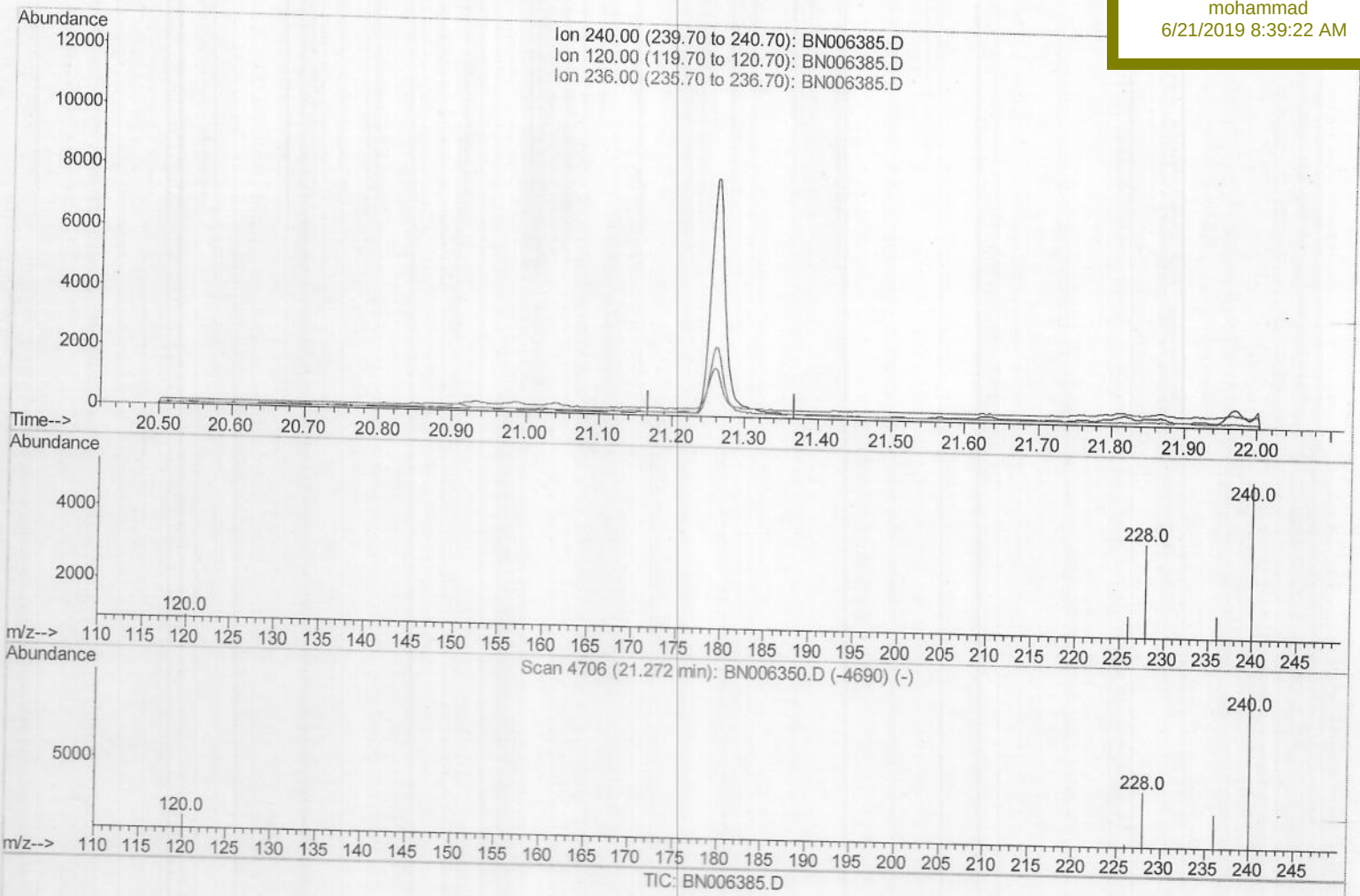
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



TIC: BN006385.D

(16) Chrysene-d12 (I)

21.268min (-21.268) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	20.10	0.00#
236.00	30.10	0.00#
0.00	0.00	0.00

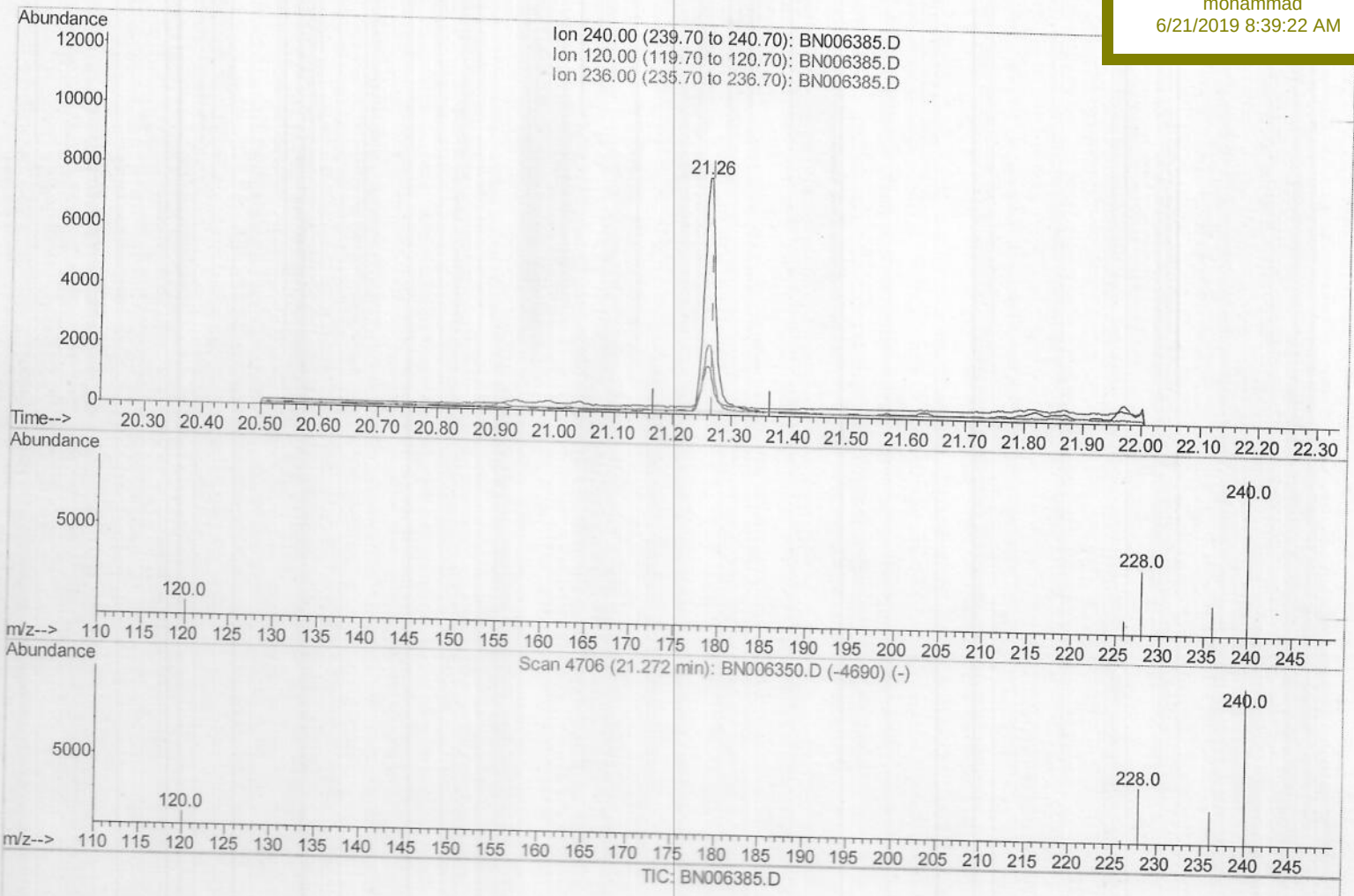
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



TIC: BN006385.D

(16) Chrysene-d12 (I)

21.259min (-0.009) 0.40ng/ul m > JU 06/25/19

response 10738

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	20.63
236.00	30.10	29.63
0.00	0.00	0.00

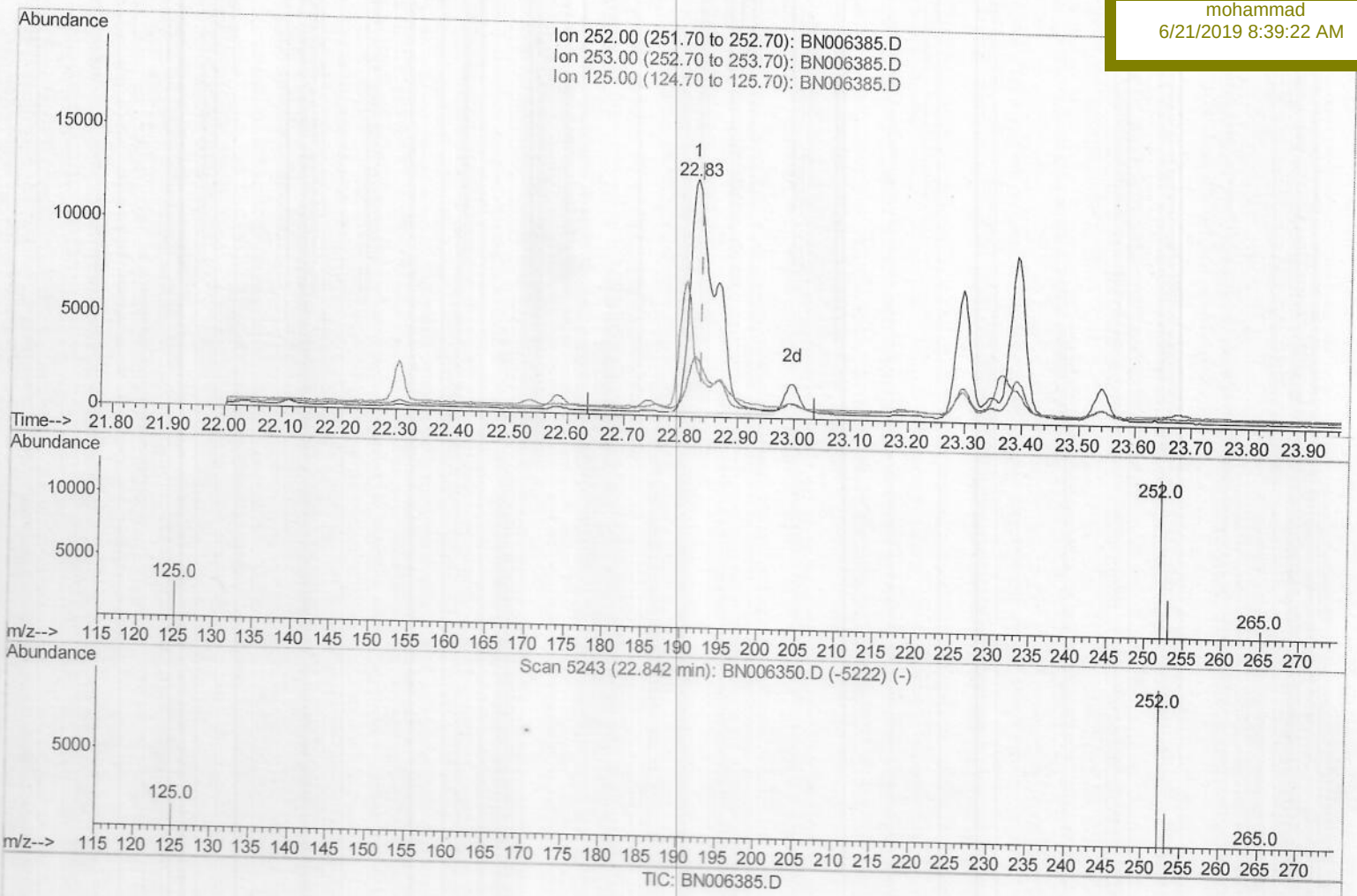
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:03:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



TIC: BN006385.D

(21) Benzo(b)fluoranthene

22.826min (-0.012) 0.60ng/ul

response 39323

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	25.41
125.00	20.50	22.37
0.00	0.00	0.00

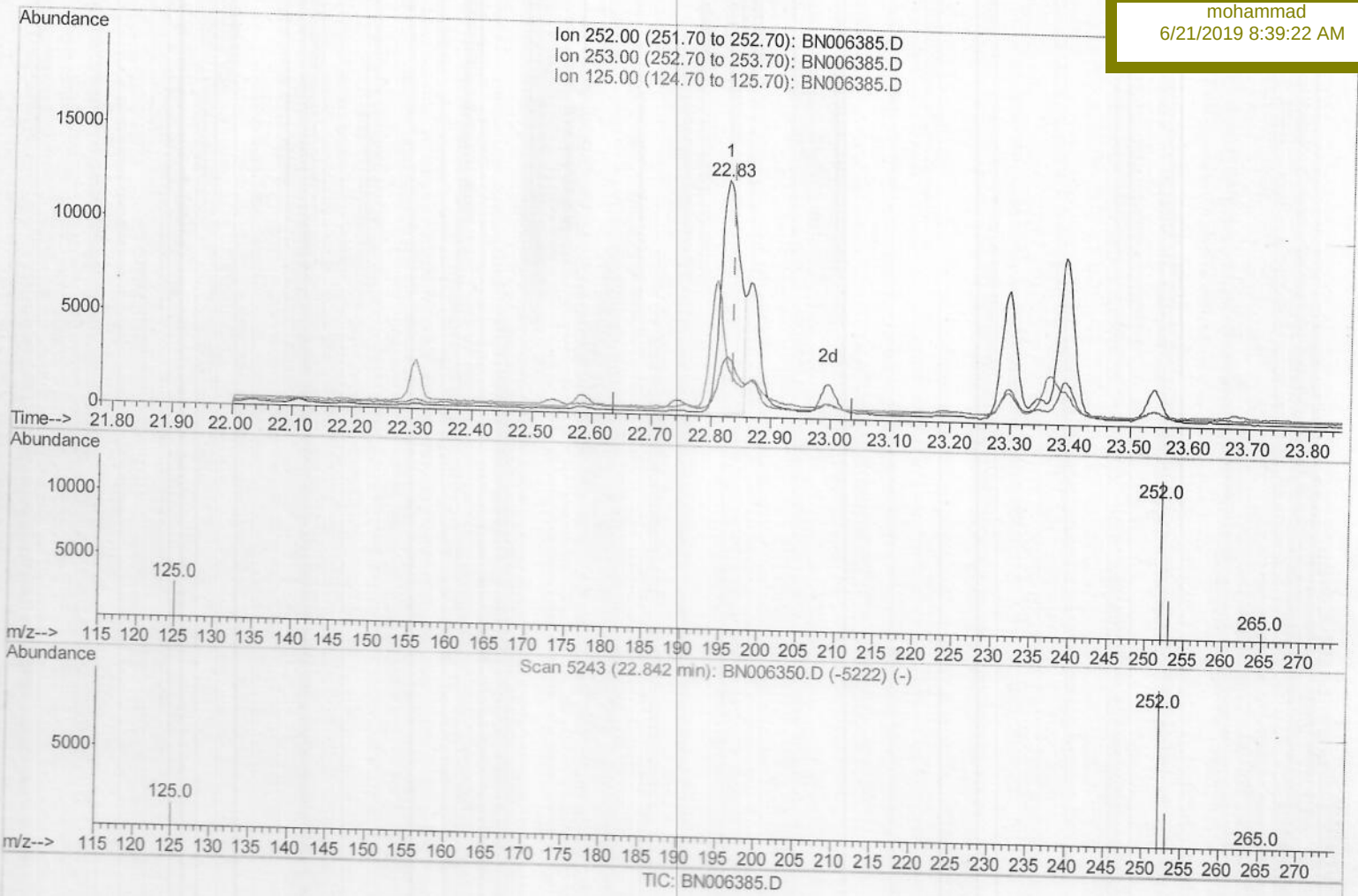
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:03:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM



TIC: BN006385.D

(21) Benzo(b)fluoranthene

22.826min (-0.012) 0.43ng/ul m > JU 06/25/19

response 27838

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	25.41
125.00	20.50	22.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:03:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
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QLast Update : Mon Jun 17 11:13:07 2019
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BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM

TIC: BN006385.D

(22) Benzo(k)fluoranthene

22.826min (-0.055) 0.62ng/ul

response 39323

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	25.41
125.00	17.90	22.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
Acq On : 18 Jun 2019 20:08
Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 02:03:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
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Instrument :
BNA_N
ClientSampleId :
A41Z4

Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM

(22) Benzo(k)fluoranthene

22.864min (-0.017) 0.14ng/ul m > JU 06/25/19

response 9228

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	27.30
125.00	17.90	27.43#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061819\
Data File : BN006385.D
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Operator : JU/SJ
Sample : K3335-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

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Manual Integrations APPROVED
mohammad
6/21/2019 8:39:22 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	4103	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15616	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.29	164	7805	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	14588m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	10738m	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	15706	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	3435	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	6930m	0.18	ng/ul	0.00
Target Compounds						Qvalue
7) Acenaphthylene	14.01	152	2473	0.057	ng/ul#	91
9) Fluorene	15.35	166	1899	0.054	ng/ul#	94
12) Phenanthrene	17.09	178	38073	0.813	ng/ul	99
13) Anthracene	17.17	178	3177m	0.071	ng/ul	
15) Fluoranthene	19.11	202	52341m	1.012	ng/ul	
17) Pyrene	19.48	202	44089	0.779	ng/ul	100
18) Benzo(a)anthracene	21.24	228	16632	0.350	ng/ul	99
19) Chrysene	21.30	228	22901	0.514	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	27838m	0.425	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	9228m	0.145	ng/ul	
23) Benzo(a)pyrene	23.39	252	16120	0.264	ng/ul#	94
24) Indeno(1,2,3-cd)pyrene	25.73	276	11989	0.182	ng/ul#	86
25) Dibenzo(a,h)anthracene	25.73	278	2830	0.054	ng/ul#	76
26) Benzo(g,h,i)perylene	26.41	276	9185	0.166	ng/ul	100

JU 06/25/19

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