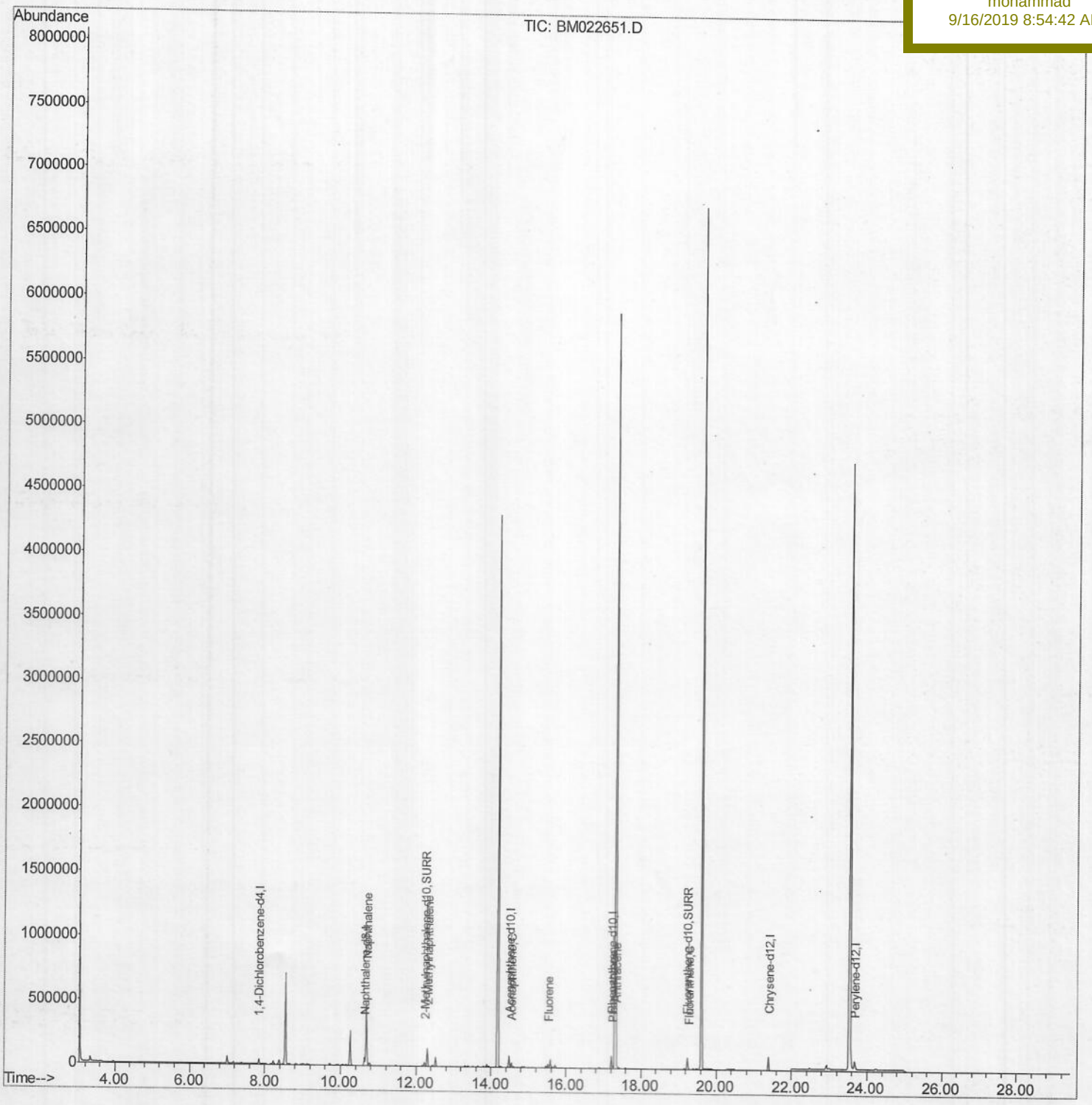
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:05:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



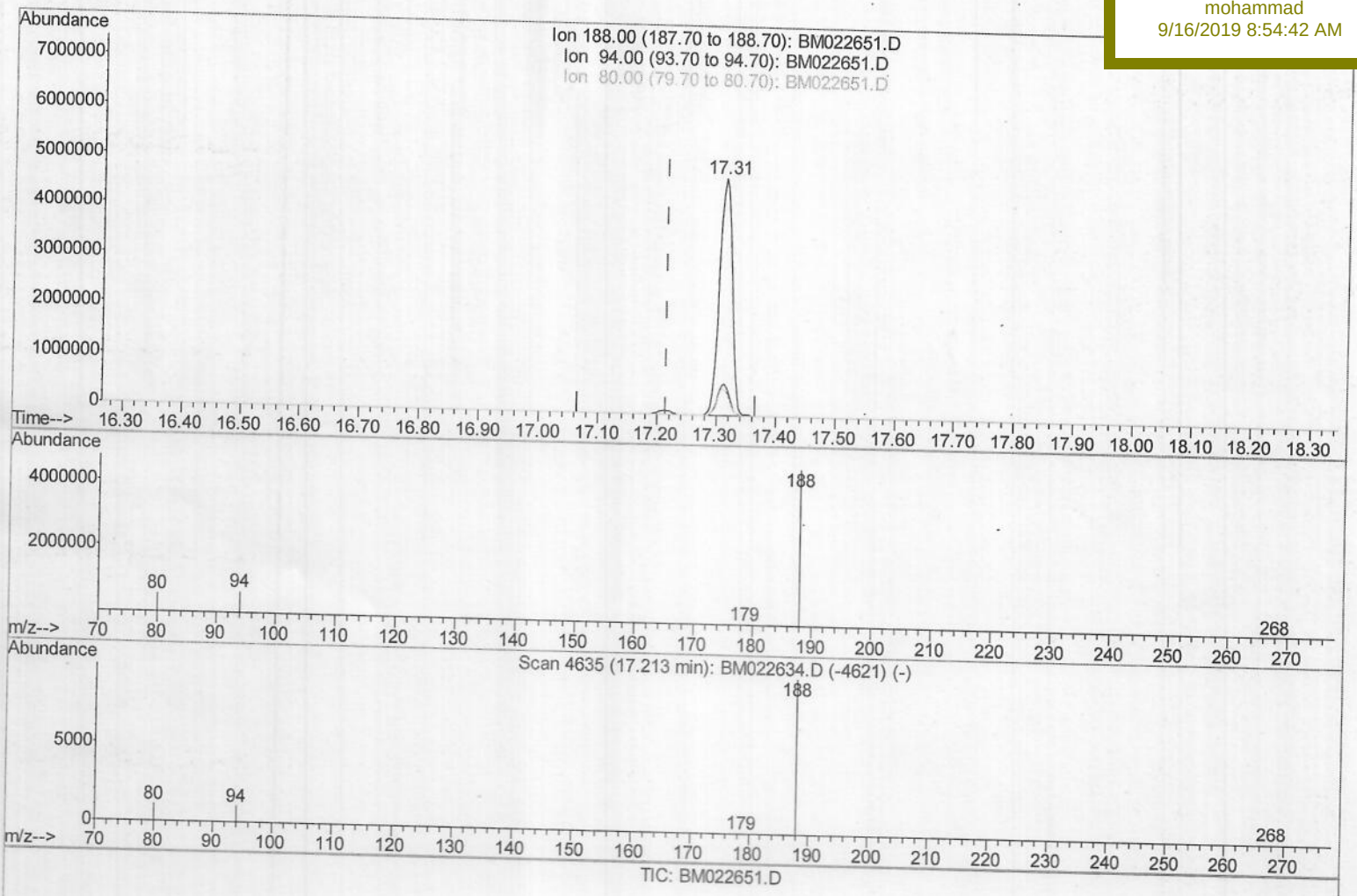
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:01:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



TIC: BM022651.D

(10) Phenanthrene-d10 (I)

17.313min (+0.097) 0.40ng/ul

response 6994219

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	13.09#
80.00	11.00	11.48
0.00	0.00	0.00

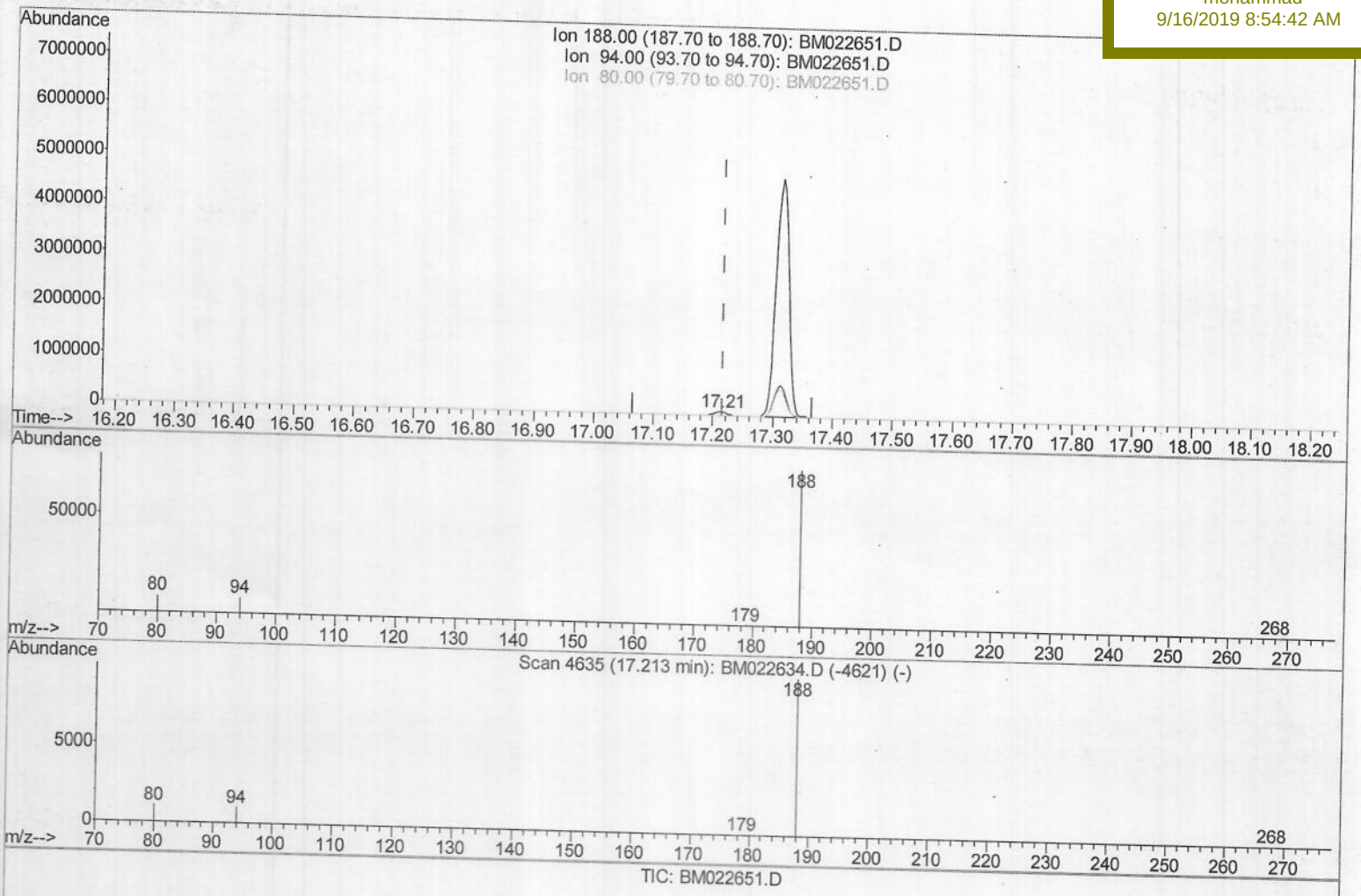
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:01:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



TIC: BM022651.D

(10) Phenanthrene-d10 (I)

17.213min (-0.004) 0.40ng/ul m JU 09/14/19

response 108297

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	9.87
80.00	11.00	10.67
0.00	0.00	0.00

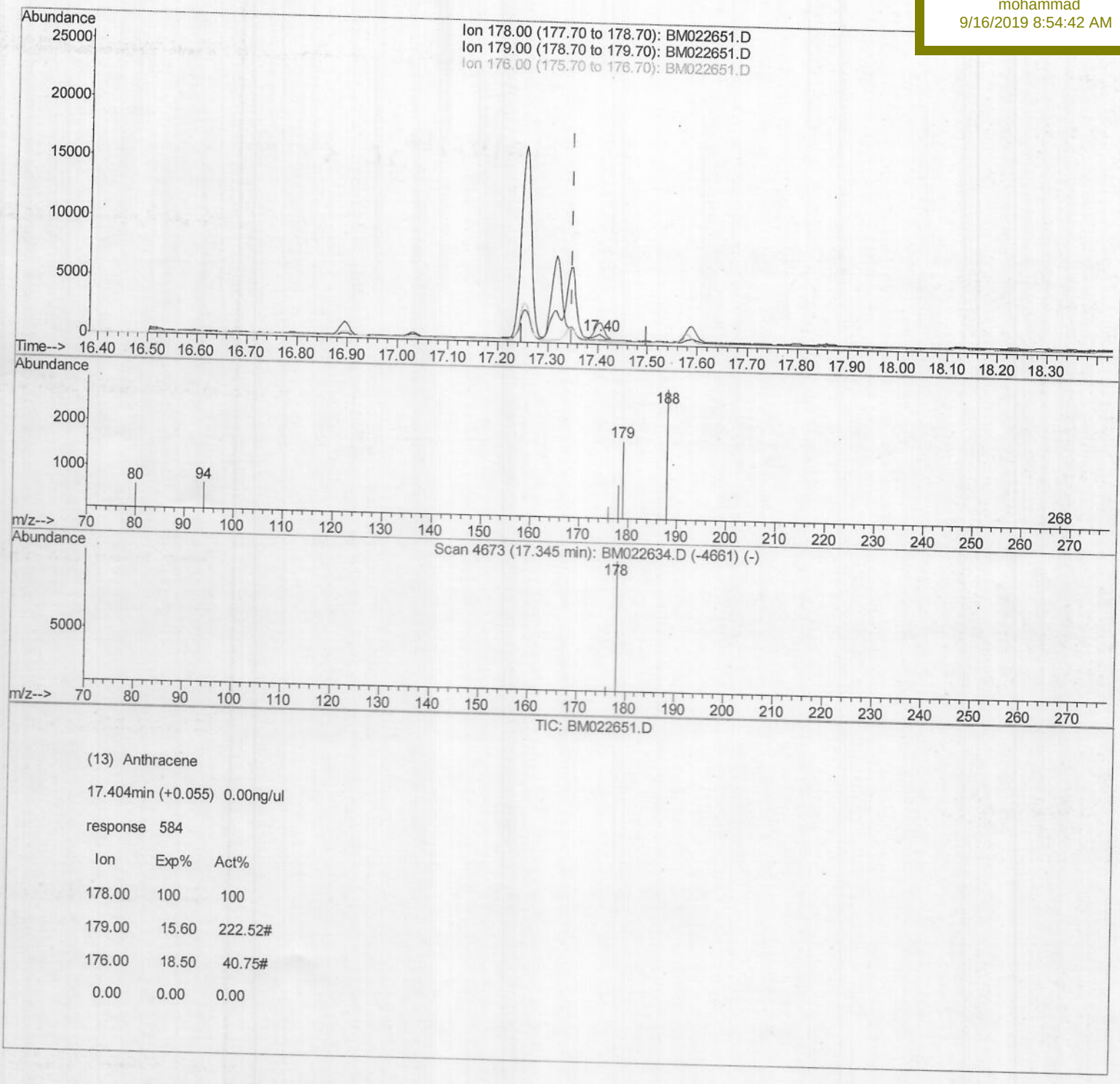
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:02:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



TIC: BM022651.D

(13) Anthracene

17.404min (+0.055) 0.00ng/ul

response 584

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	222.52#
176.00	18.50	40.75#
0.00	0.00	0.00

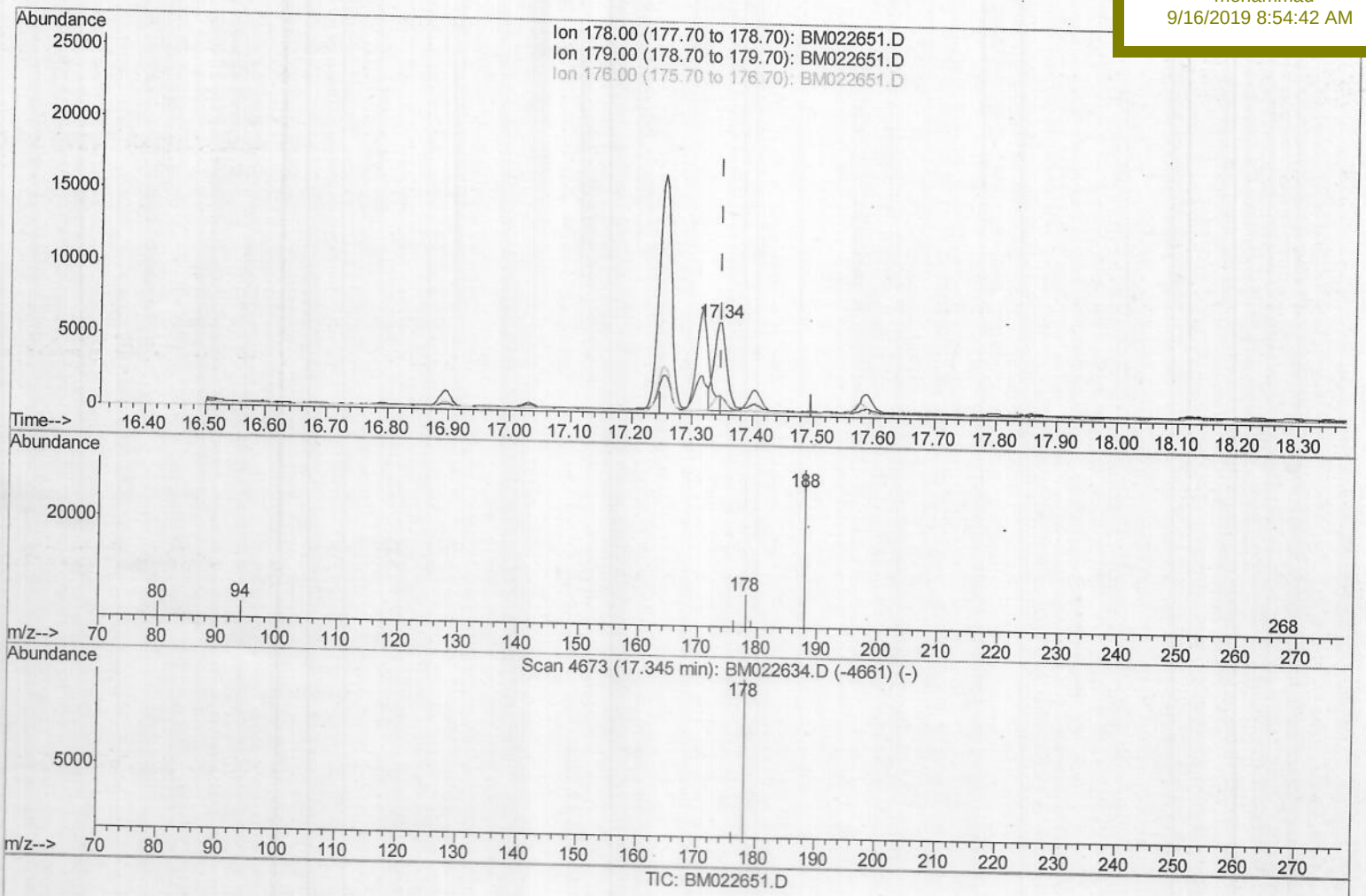
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:02:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



TIC: BM022651.D

(13) Anthracene

17.345min (-0.004) 0.03ng/ul m JU 09/24/19

response 8690

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	20.76#
176.00	18.50	21.80
0.00	0.00	0.00

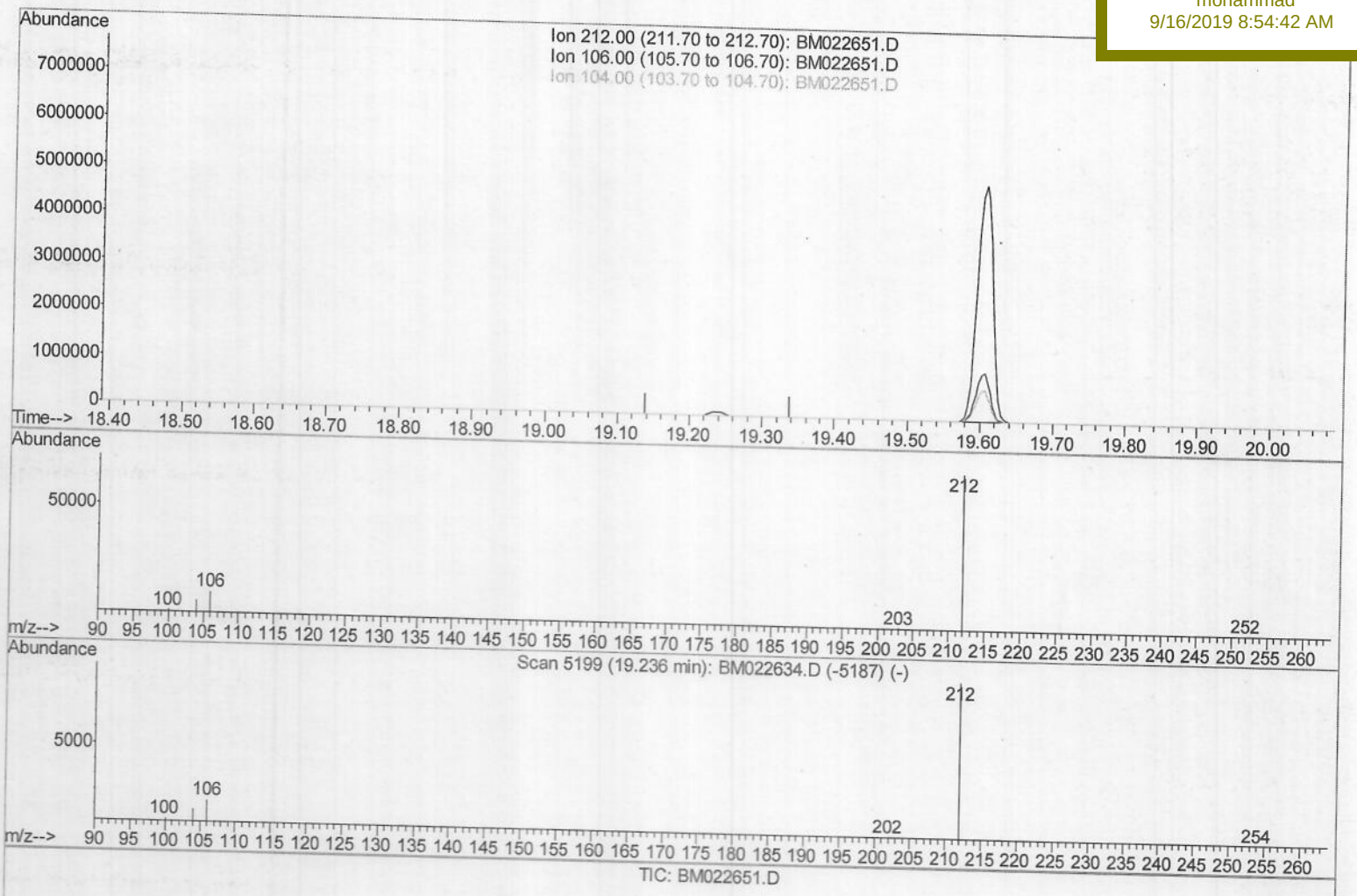
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:02:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



TIC: BM022651.D

(14) Fluoranthene-d10 (SURR)

19.240min (-19.240) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

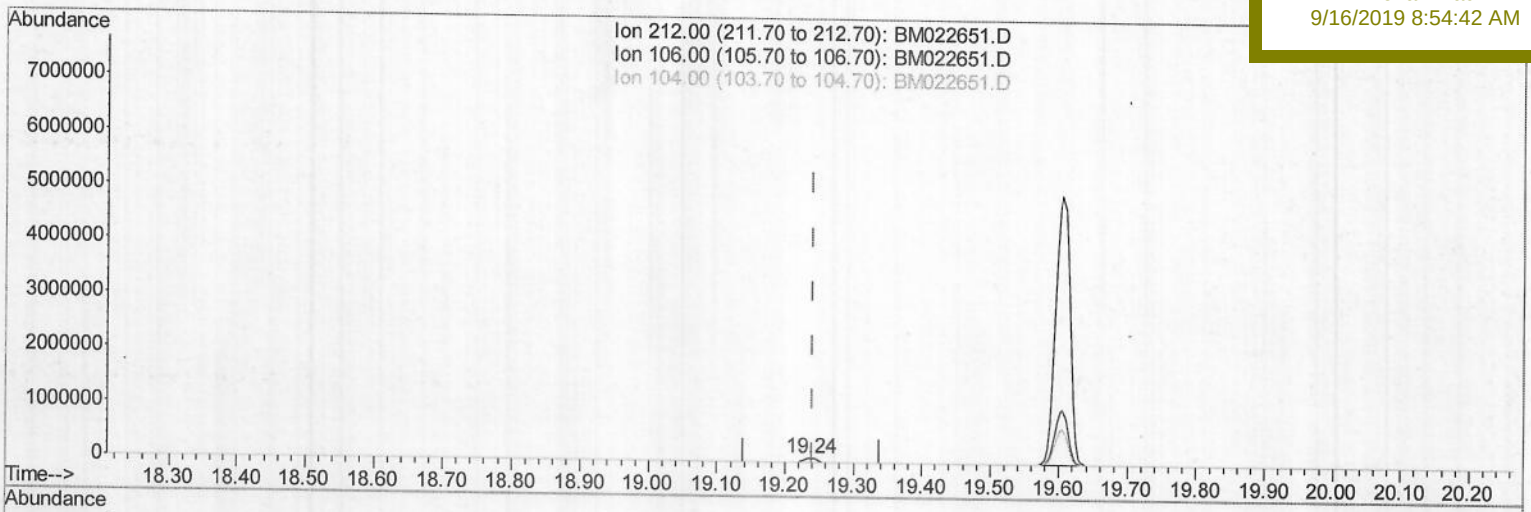
Quantitation Report (Qedit)

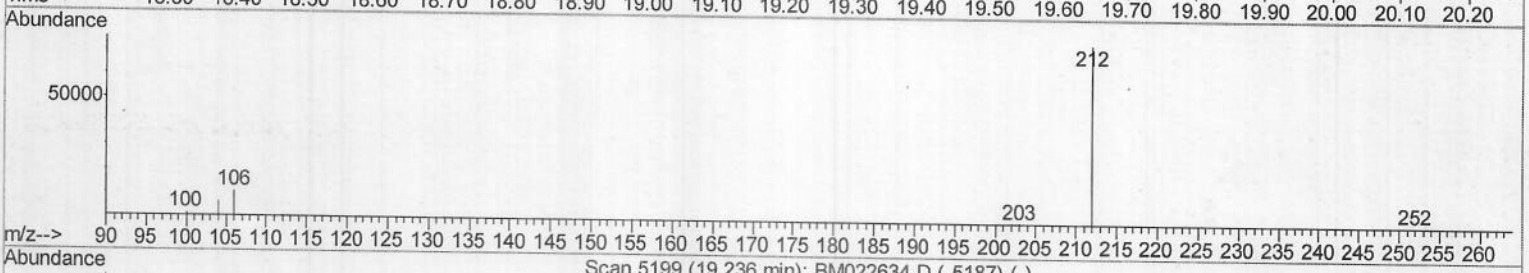
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

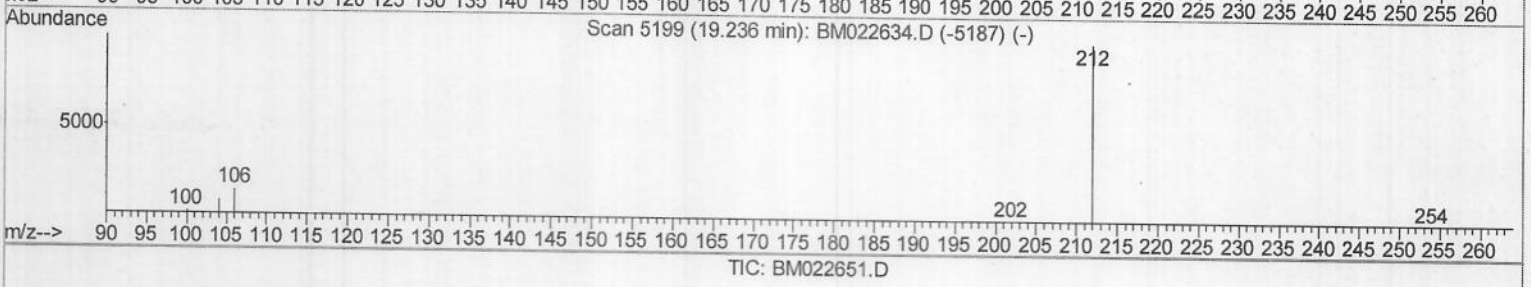
Quant Time: Sep 11 15:02:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM







(14) Fluoranthene-d10 (SURR)

19.236min (-0.004) 0.33ng/ul m > JU 09/24/19

response 97393

Ion	Exp%	Act%
212.00	100	100
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

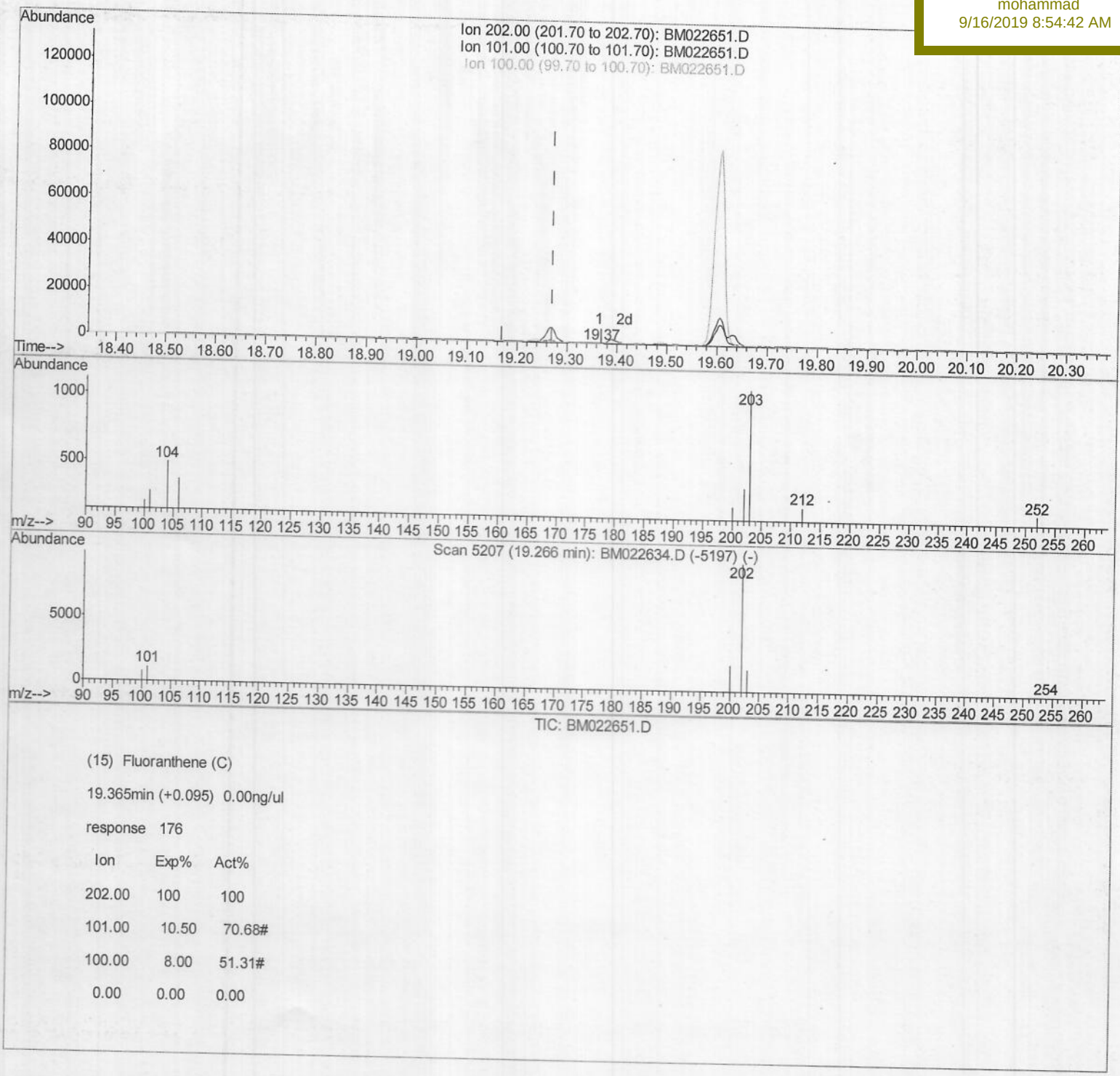
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:04:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



TIC: BM022651.D

(15) Fluoranthene (C)

19.365min (+0.095) 0.00ng/ul

response 176

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	70.68#
100.00	8.00	51.31#
0.00	0.00	0.00

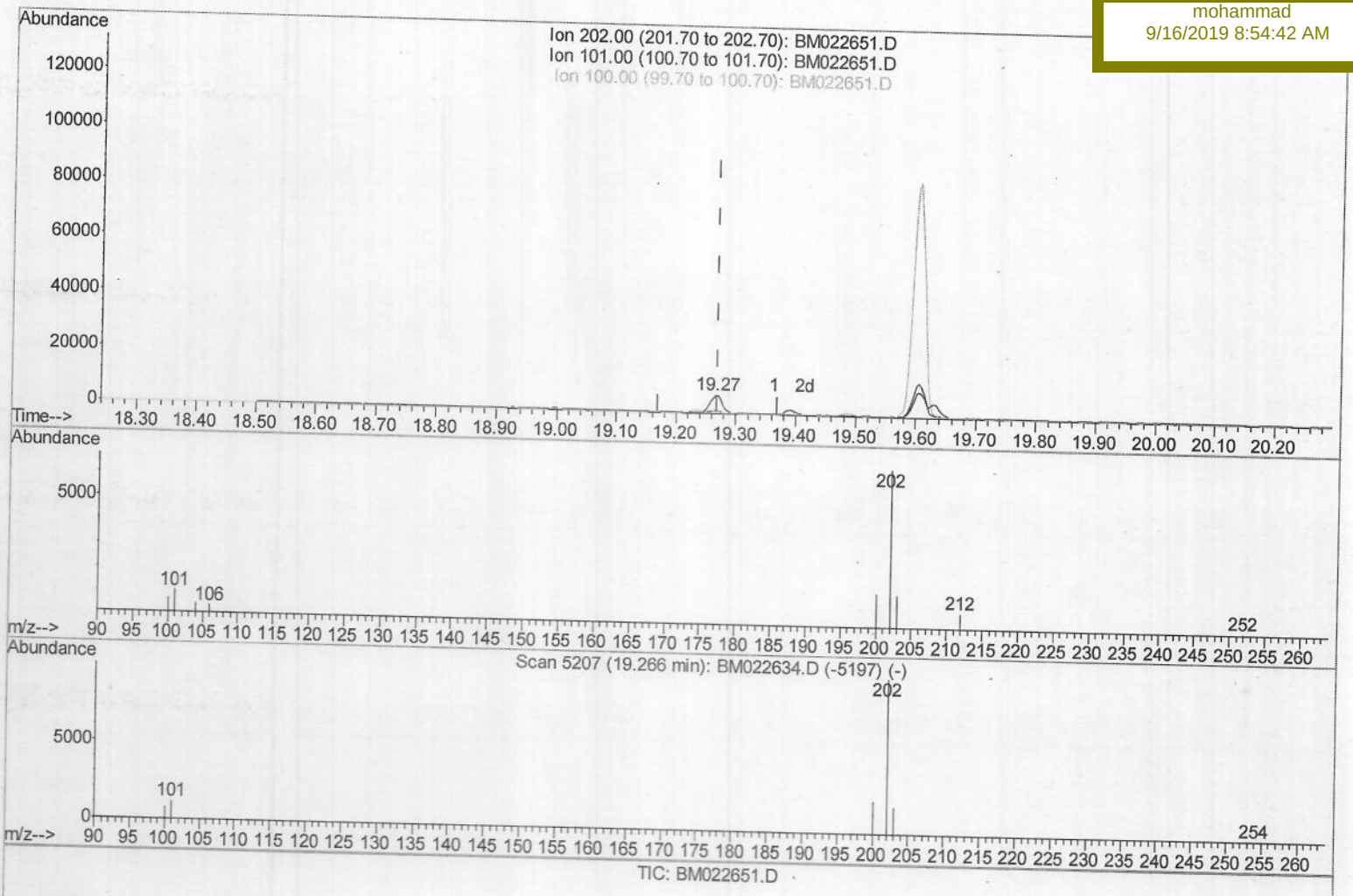
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:04:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



TIC: BM022651.D

(15) Fluoranthene (C)

19.266min (-0.004) 0.03ng/ul m > JU 09/24/19

response 9552

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	15.21
100.00	8.00	10.50
0.00	0.00	0.00

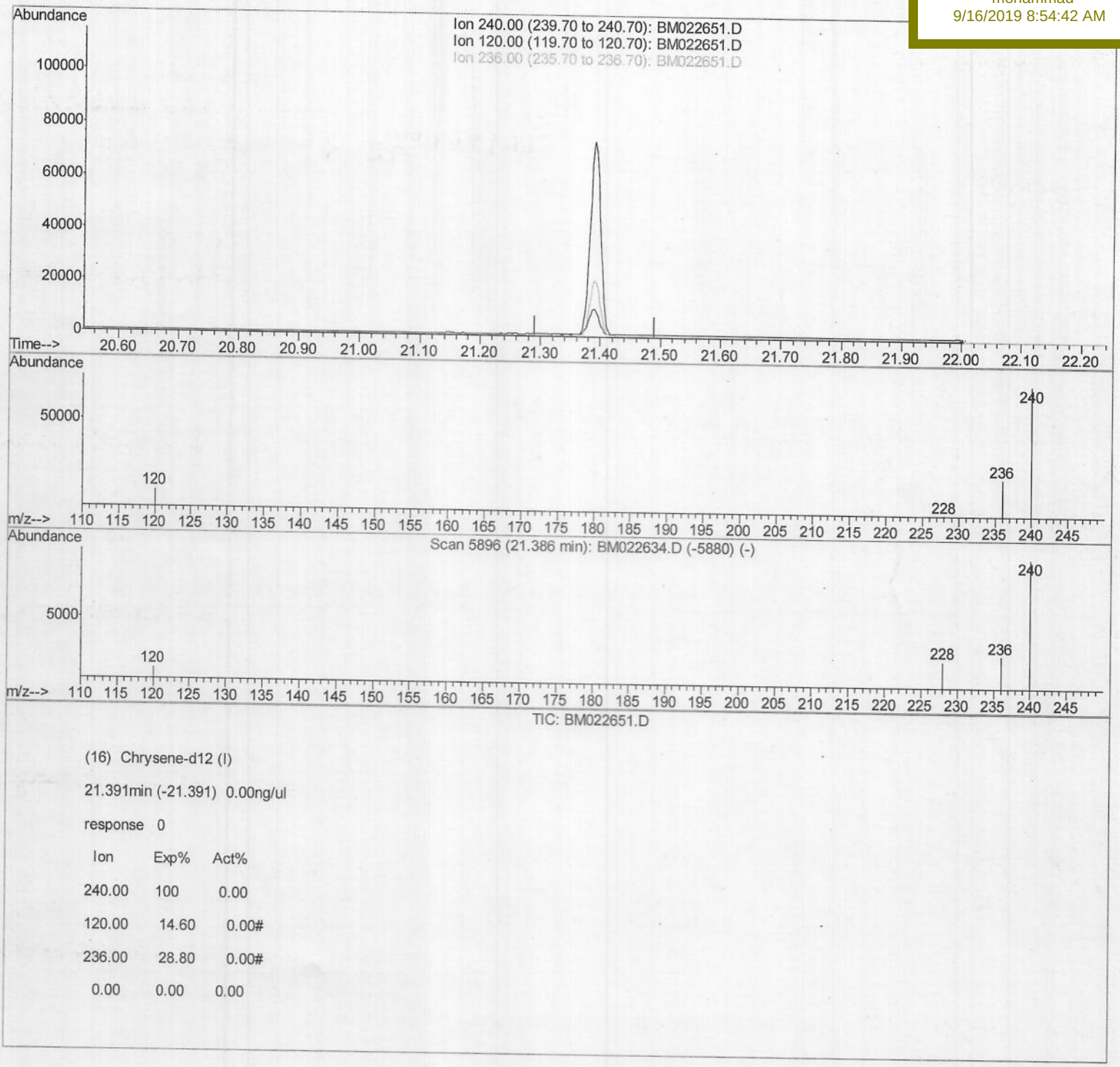
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:04:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM



(16) Chrysene-d12 (I)

21.391min (-21.391) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.60	0.00#
236.00	28.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

Quant Time: Sep 11 15:04:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BF569

Manual Integrations APPROVED
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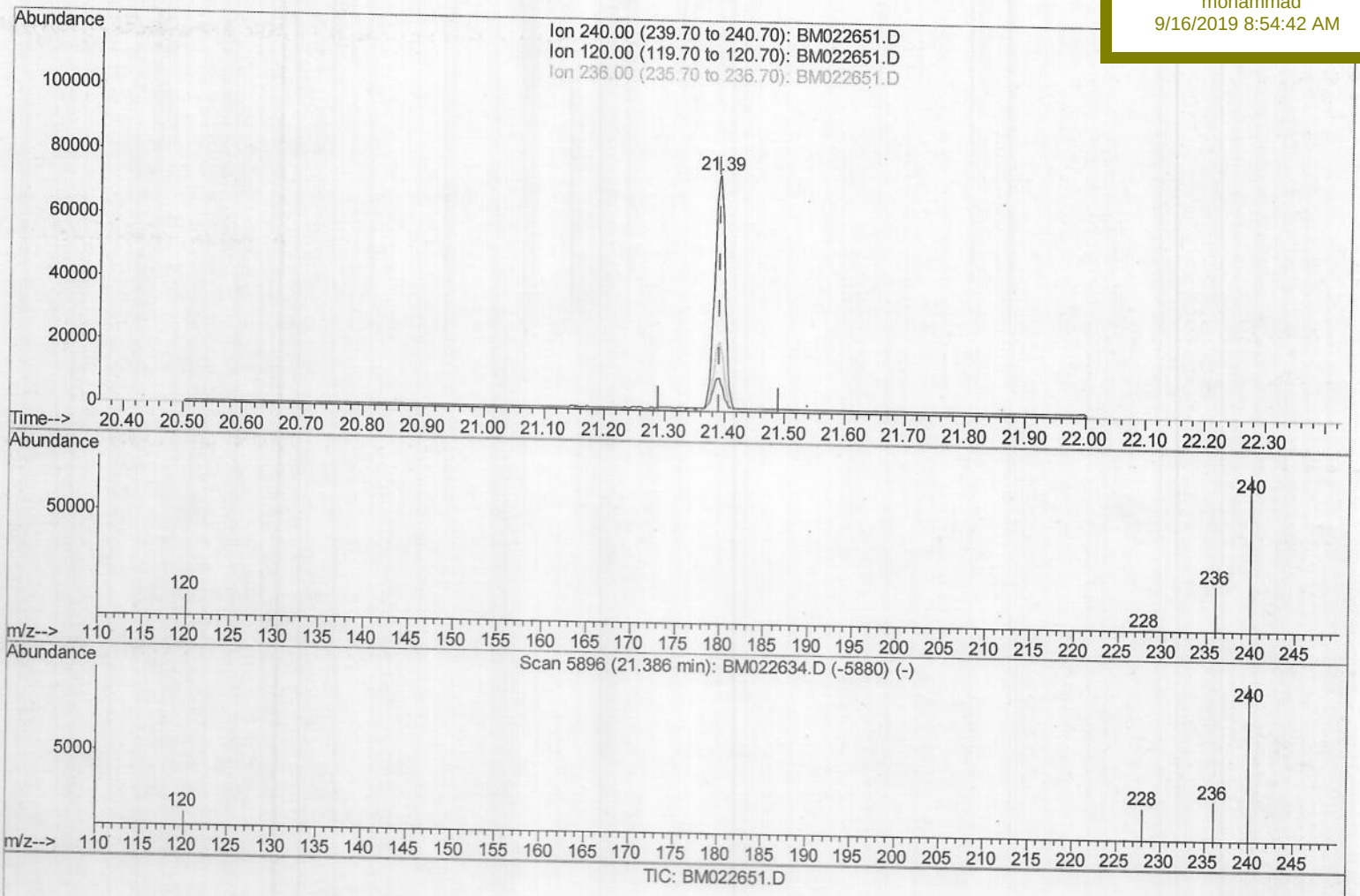
9/16/2019 8:54:42 AM



TIC: BM022651.D

(16) Chrysene-d12 (I)

21.391min (-0.000) 0.40ng/ul m > JU 09/14/19

response 91748

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	13.91
236.00	28.80	29.04
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091019\
Data File : BM022651.D
Acq On : 11 Sep 2019 11:25
Operator : HP/JU
Sample : K4706-03
Misc :
ALS Vial : 39 Sample Multiplier: 1

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Manual Integrations APPROVED
mohammad
9/16/2019 8:54:42 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	18915	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	81260	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	47279	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	108297m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	91748m	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	83553	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.23	152	37342	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	97393m	0.33	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.69	128	656323	2.835	ng/ul	100
5) 2-Methylnaphthalene	12.30	142	98675	0.622	ng/ul	100
8) Acenaphthene	14.54	153	19735	0.108	ng/ul	98
9) Fluorene	15.52	166	14321	0.068	ng/ul	99
12) Phenanthrene	17.25	178	22847	0.066	ng/ul	98
13) Anthracene	17.34	178	8690m	0.029	ng/ul	
15) Fluoranthene	19.27	202	9552m	0.026	ng/ul	

JU 09/14/19

JU 09/14/19

JU 09/14/19

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