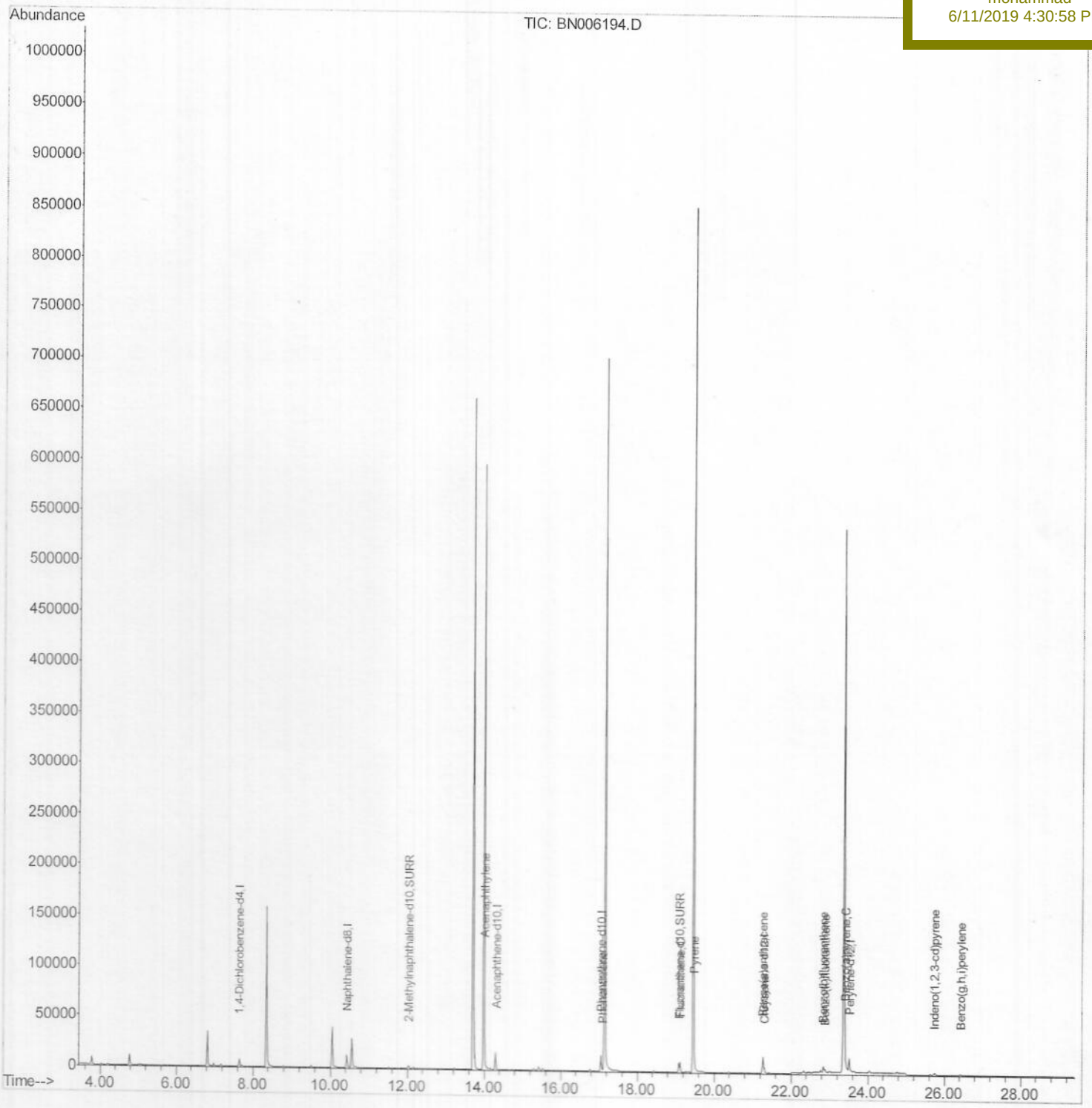
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 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 : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



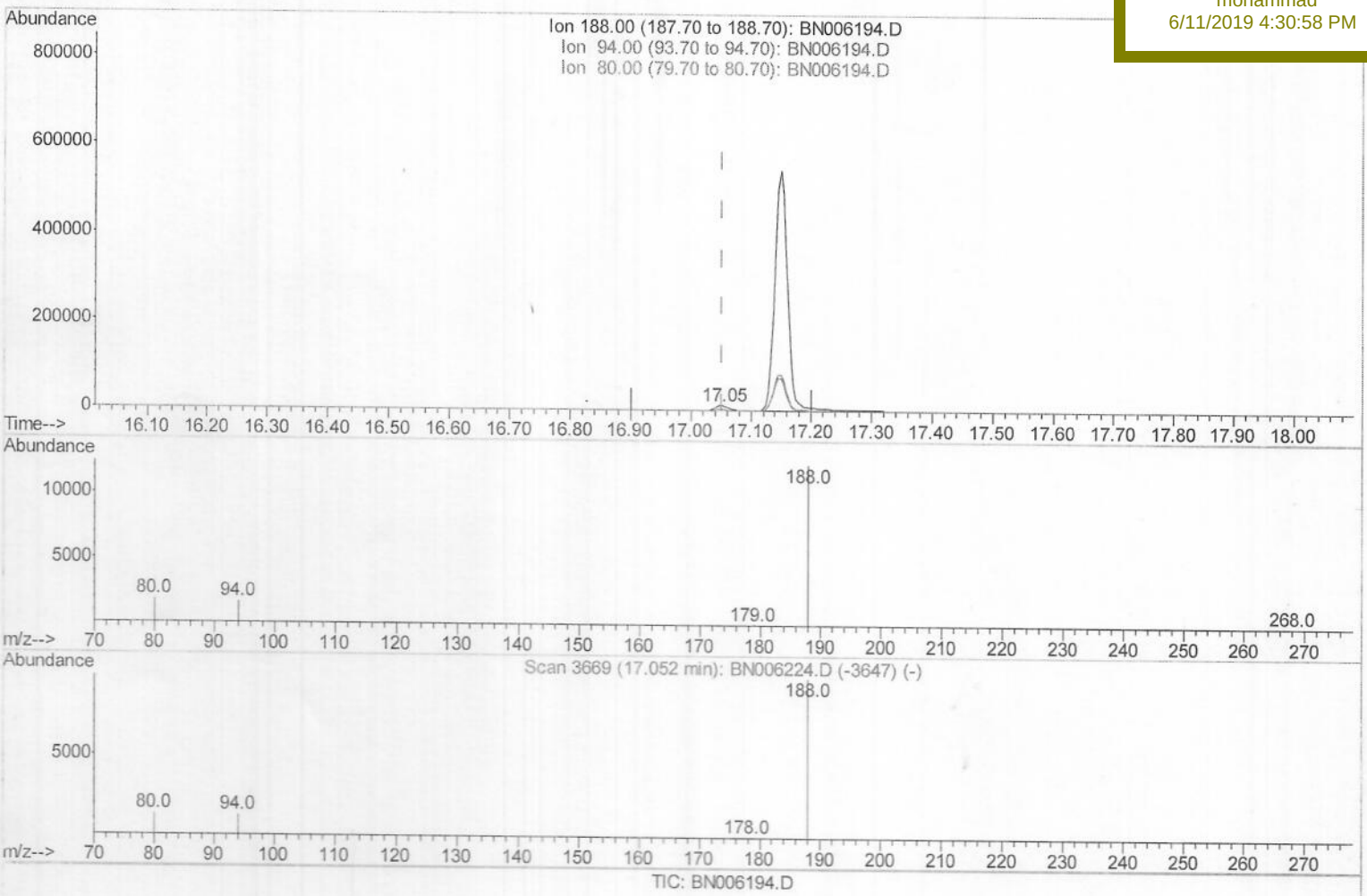
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 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 : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(10) Phenanthrene-d10 (I)

17.052min (-0.000) 0.40ng/ul m JU 06/10/19

response 18602

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.38
80.00	13.60	14.95
0.00	0.00	0.00

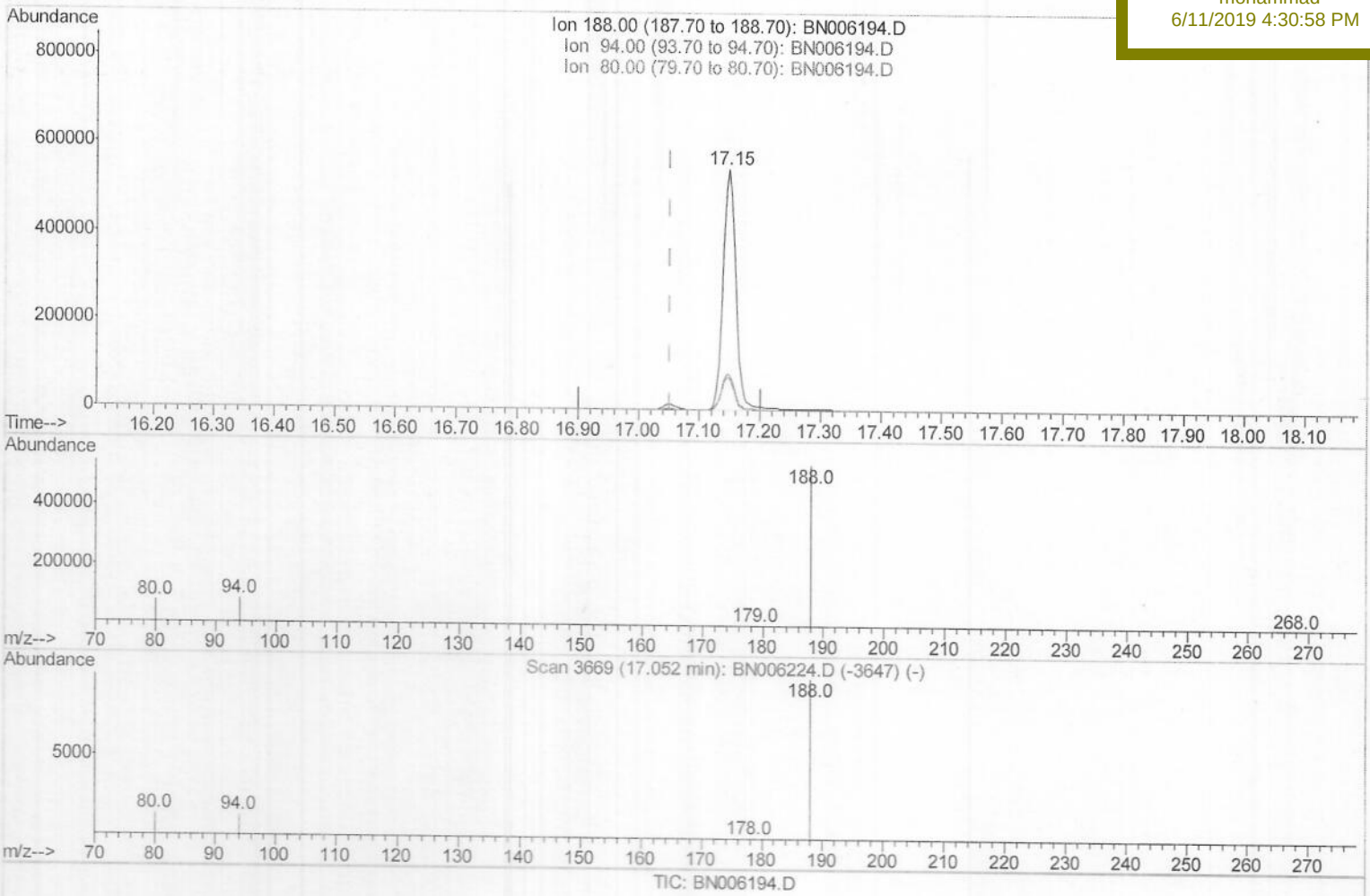
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 05:45:14 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 787919

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.05
80.00	13.60	13.65
0.00	0.00	0.00

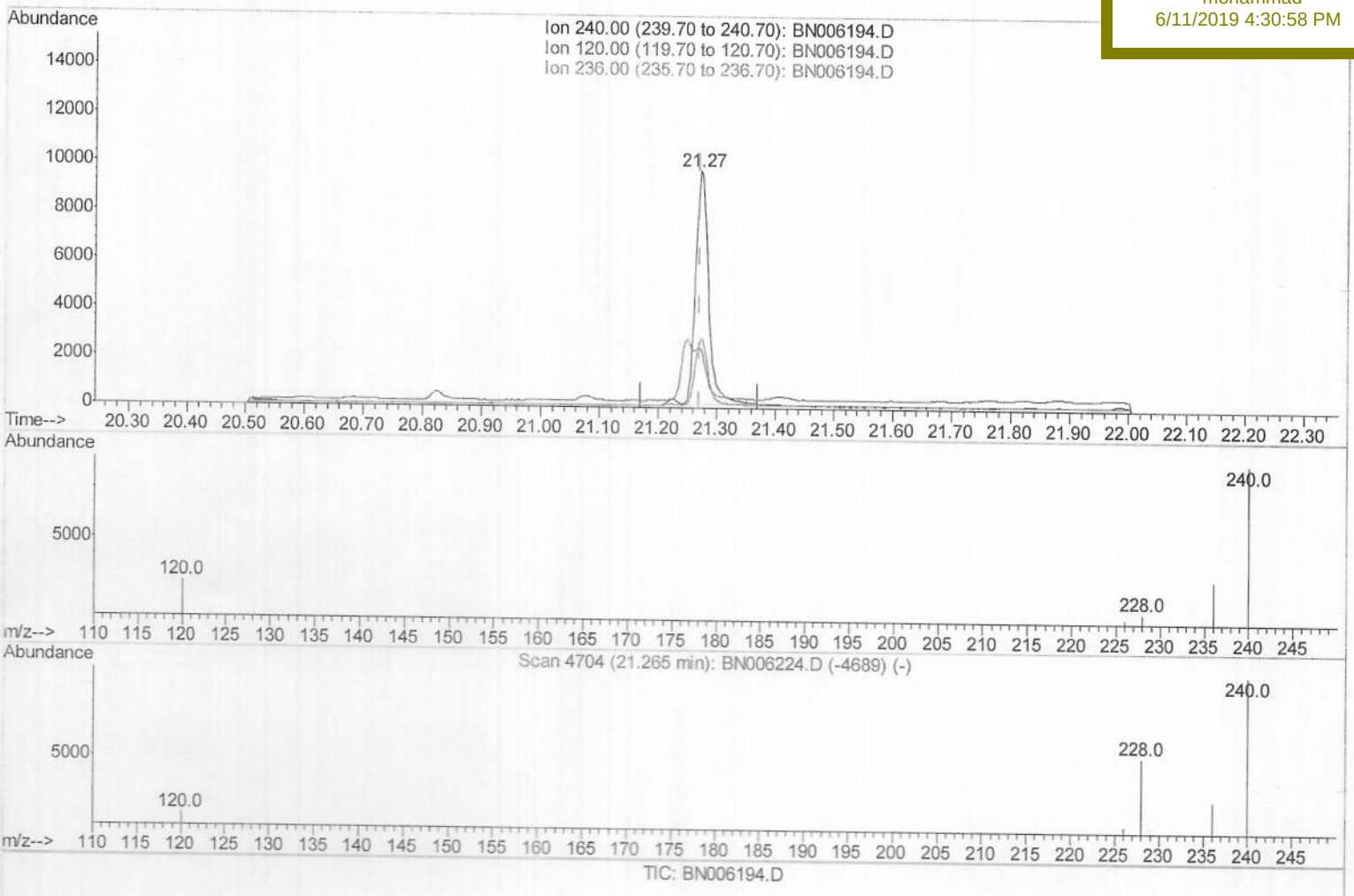
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 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 : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



TIC: BN006194.D

(16) Chrysene-d12 (I)

21.273min (+0.002) 0.40ng/ul m

response 14778

JU 06/10/19

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	24.63#
236.00	30.10	29.10
0.00	0.00	0.00

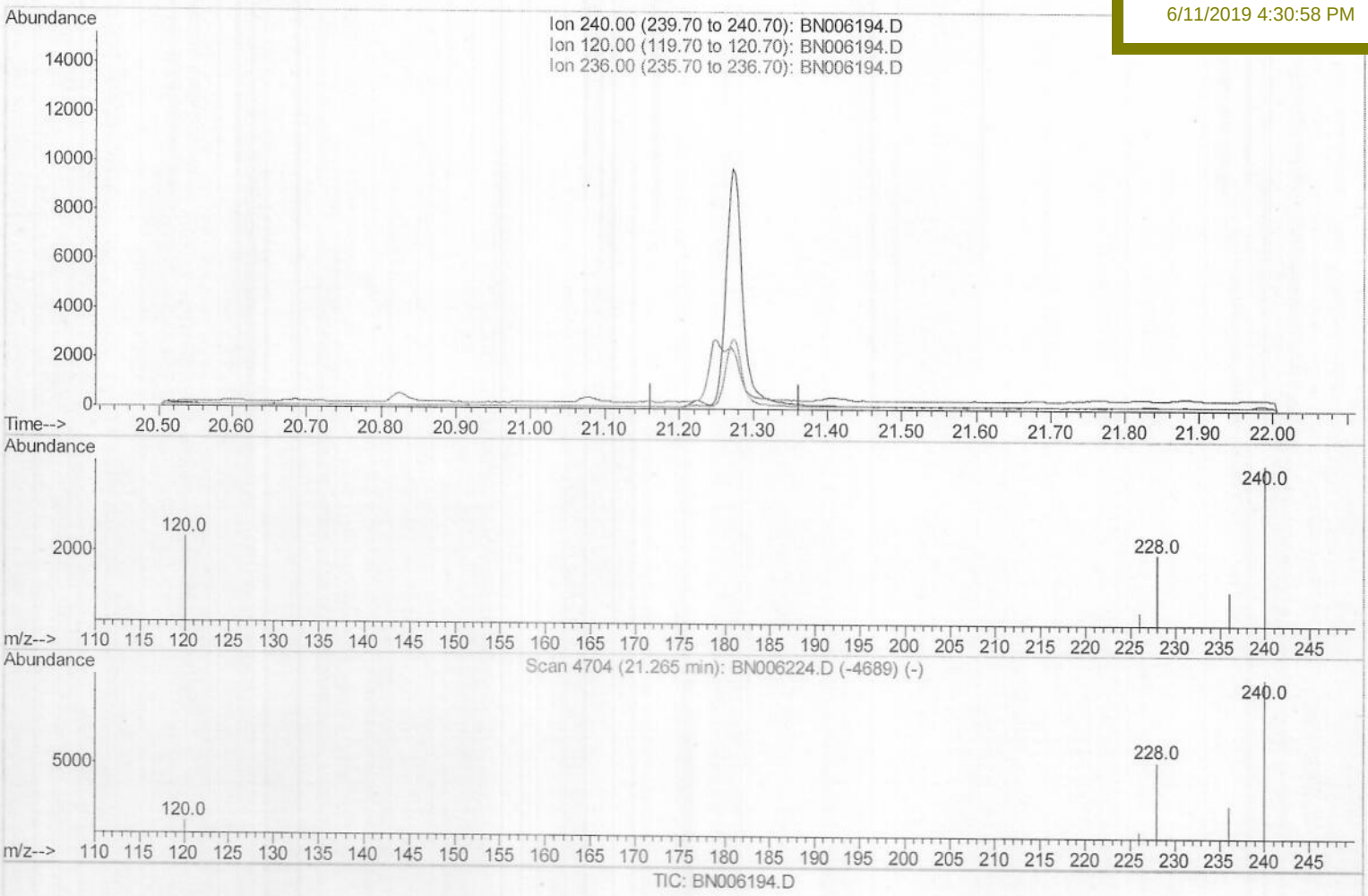
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 05:45:14 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



TIC: BN006194.D

(16) Chrysene-d12 (I)

21.262min (-21.262) 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

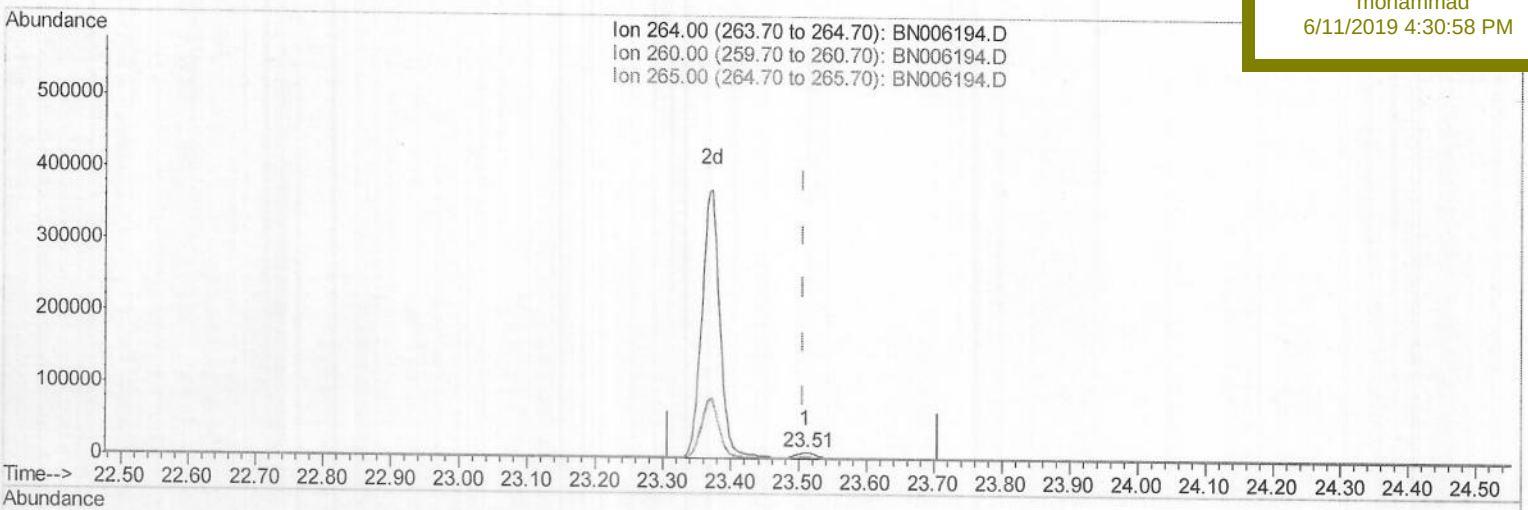
Quantitation Report (Qedit)

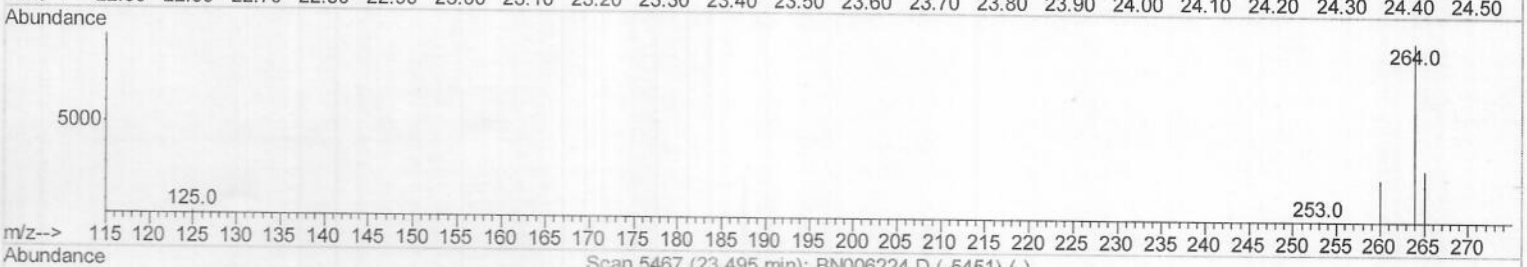
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

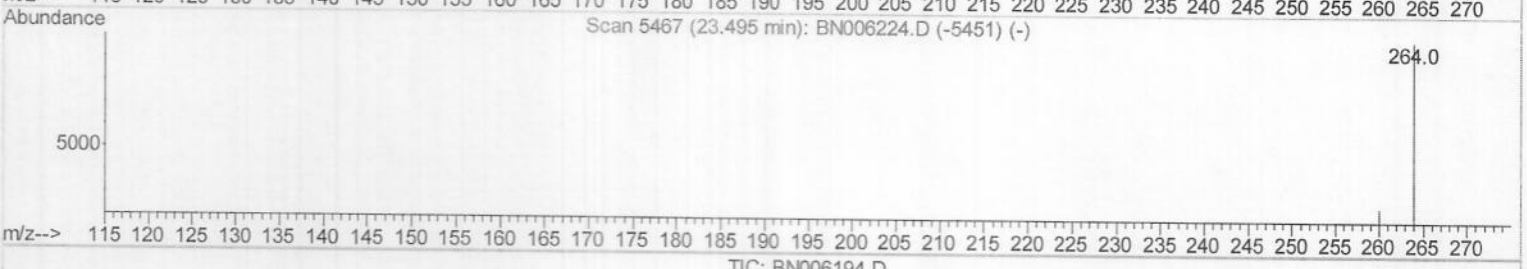
Quant Time: Jun 09 04:41:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM







TIC: BN006194.D

(20) Perylene-d12 (I)

23.512min (+0.004) 0.40ng/ul m

response 13416

JU 06/10/19

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.49
265.00	44.70	32.01#
0.00	0.00	0.00

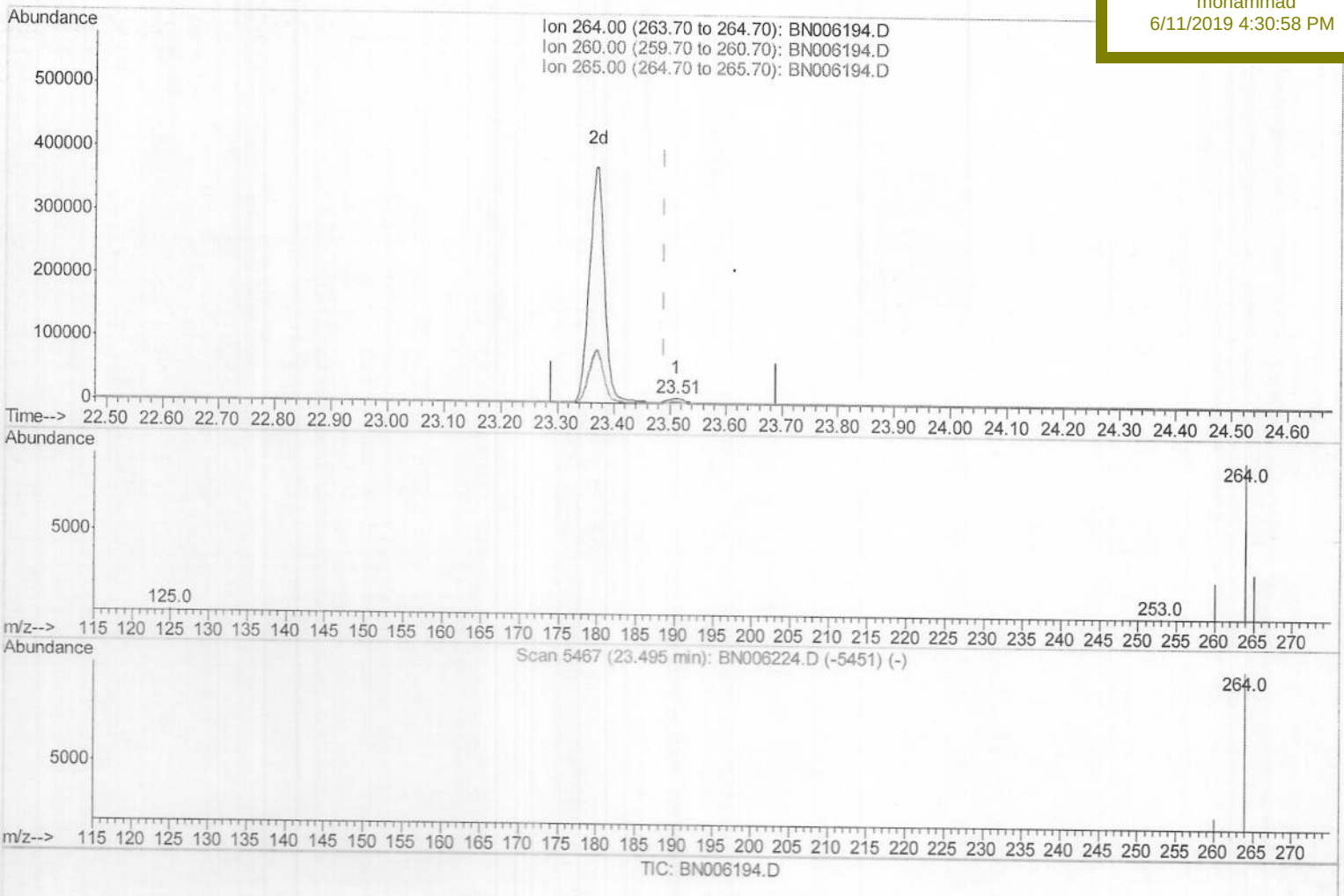
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 05:45:14 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



TIC: BN006194.D

(20) Perylene-d12 (I)

23.512min (+0.022) 0.40ng/ul

response 21944

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.49
265.00	44.70	32.01#
0.00	0.00	0.00

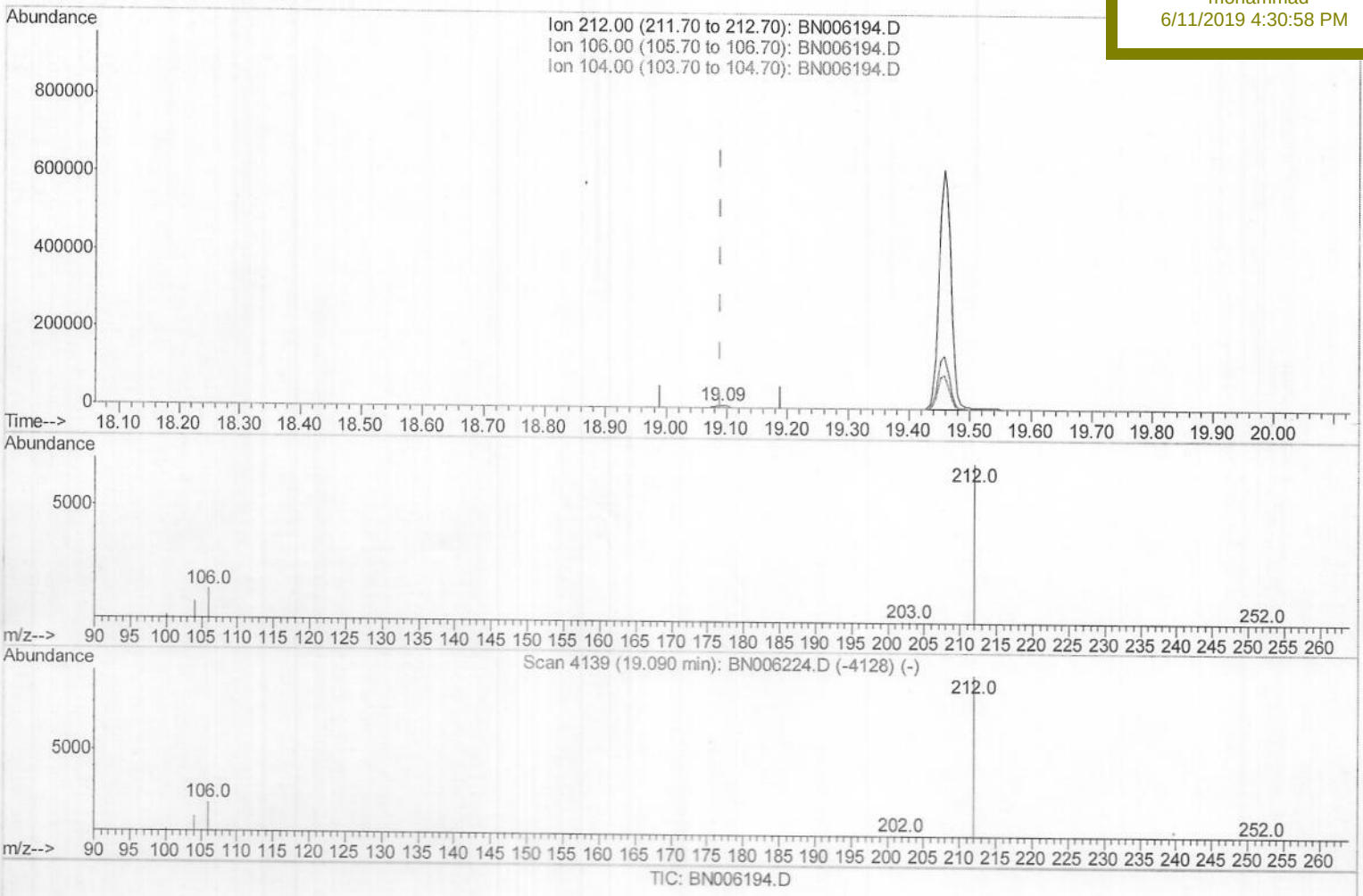
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 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 : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(14) Fluoranthene-d10 (SURR)

19.090min (-0.000) 0.20ng/ul m

response 9801

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

JU
06/10/19

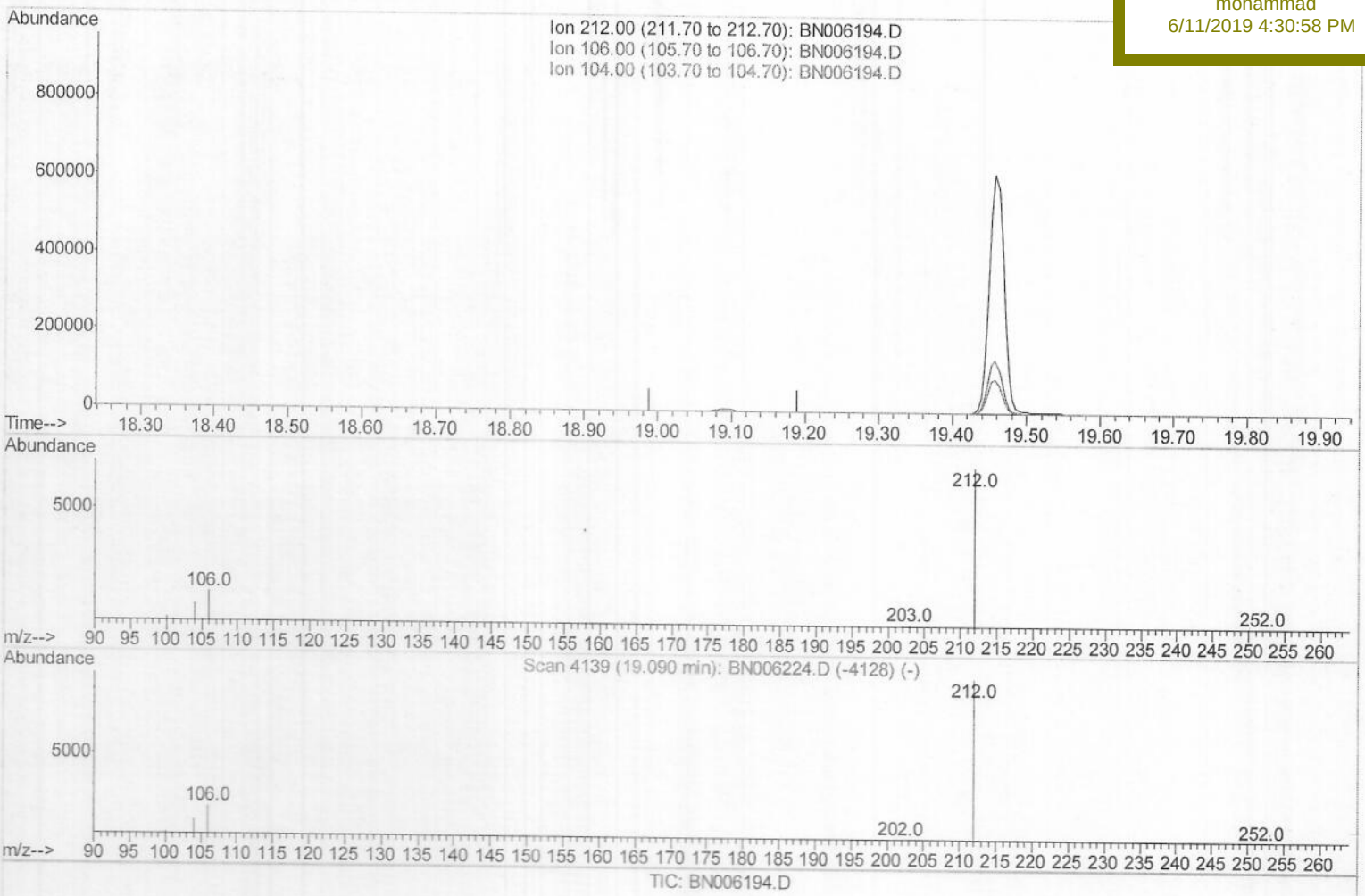
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 05:45:14 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(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\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 2019
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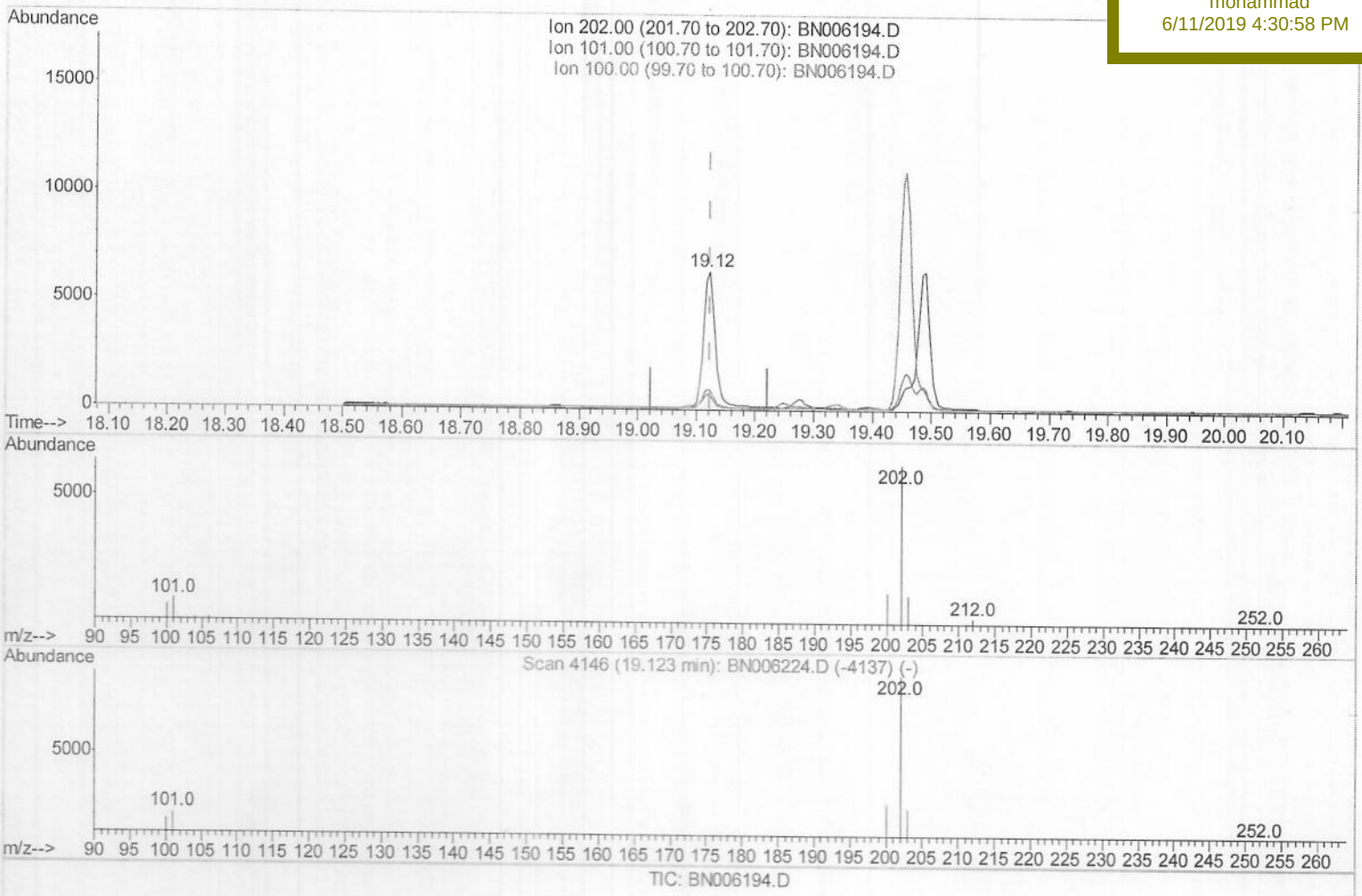
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(15) Fluoranthene (C)

19.123min (-0.000) 0.14ng/ul m

response 9010

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	14.22
100.00	8.70	10.12
0.00	0.00	0.00

JV 06/10/19

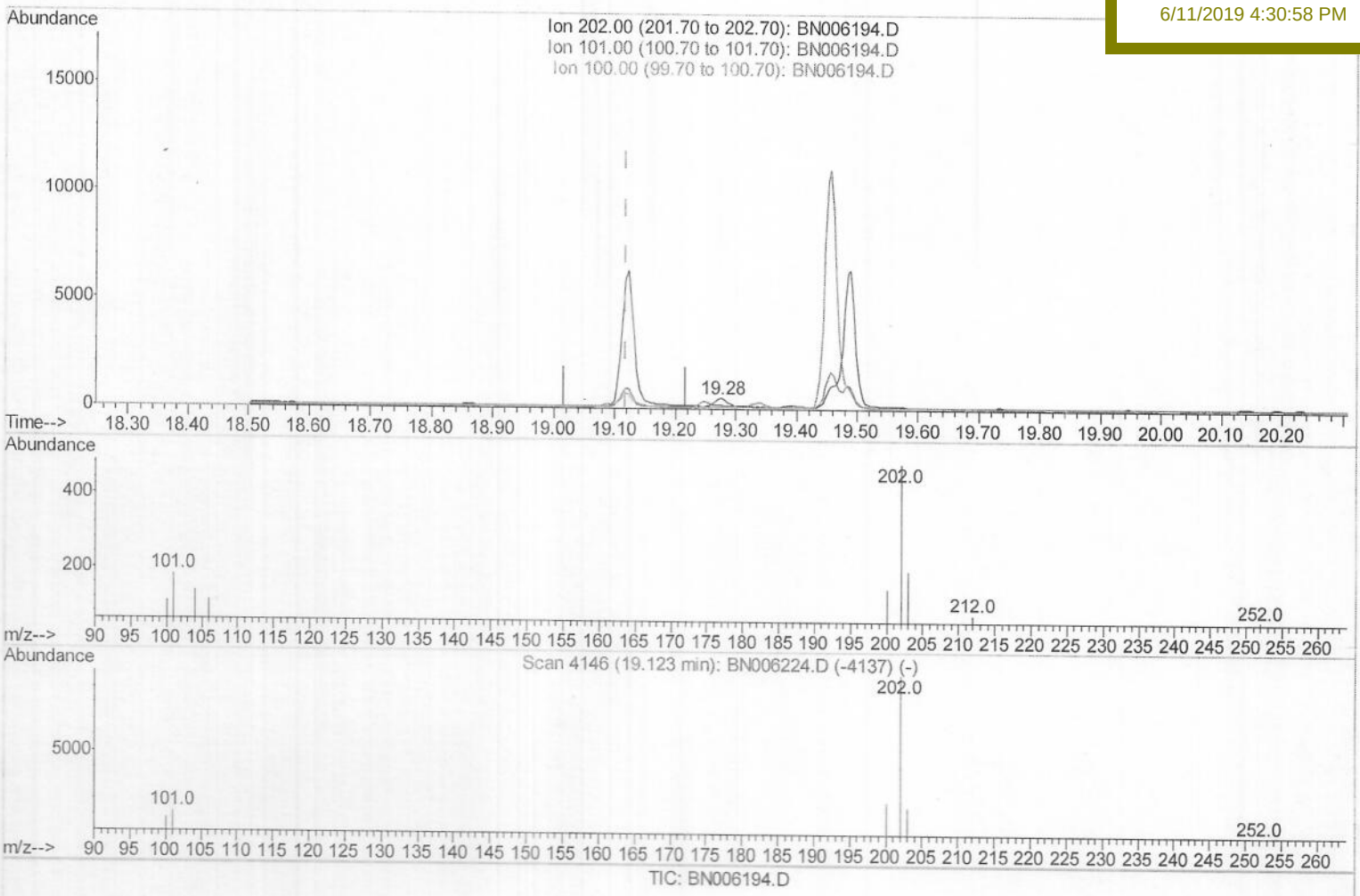
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 05:45:14 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(15) Fluoranthene (C)

19.276min (+0.158) 0.00ng/ul

response 534

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	37.78#
100.00	8.70	22.59
0.00	0.00	0.00

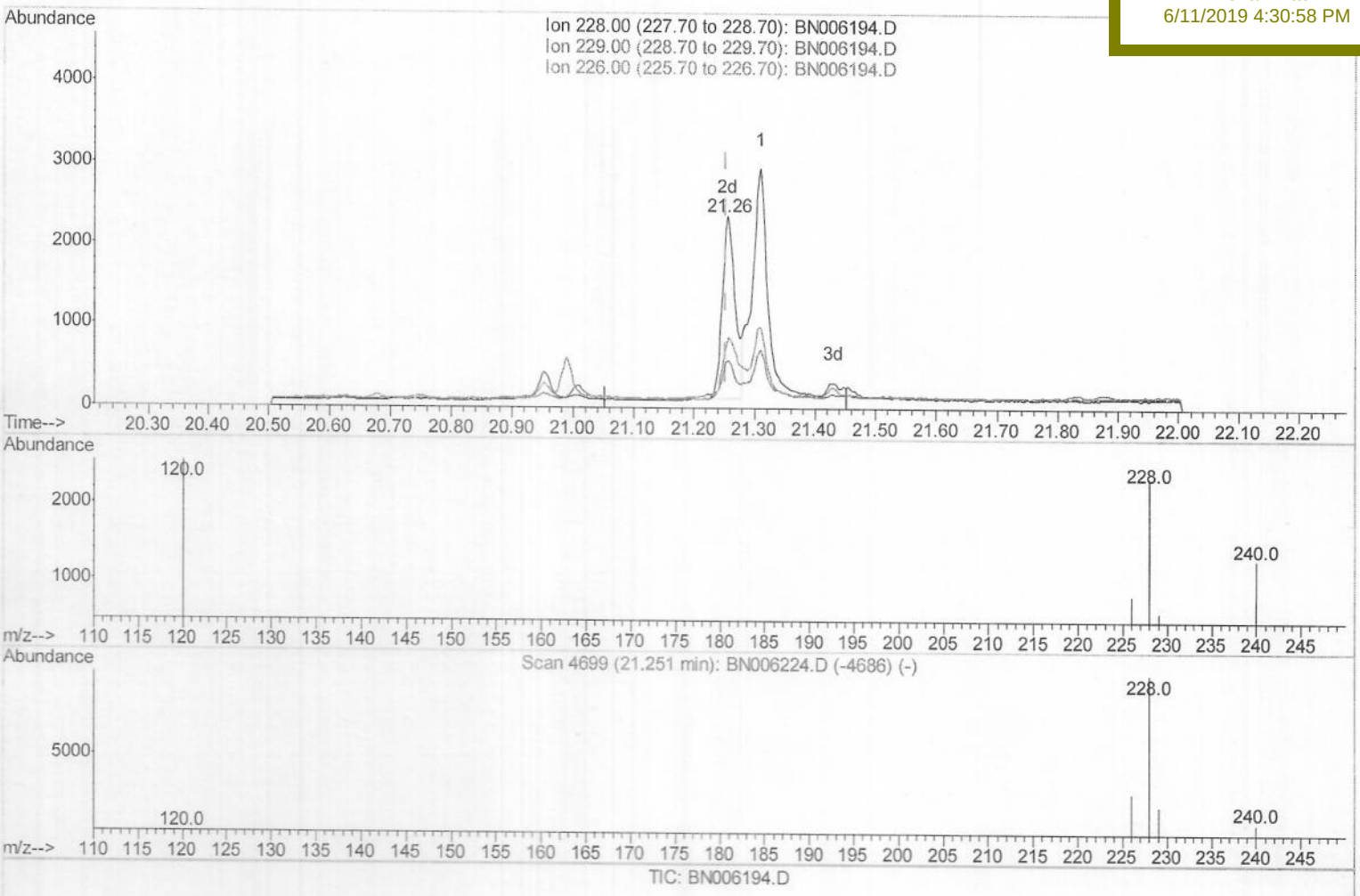
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 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 : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



TIC: BN006194.D

(18) Benzo(a)anthracene

21.255min (+0.002) 0.05ng/ul m

response 3370

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	24.61
226.00	28.50	34.62#
0.00	0.00	0.00

JV 06/10/19

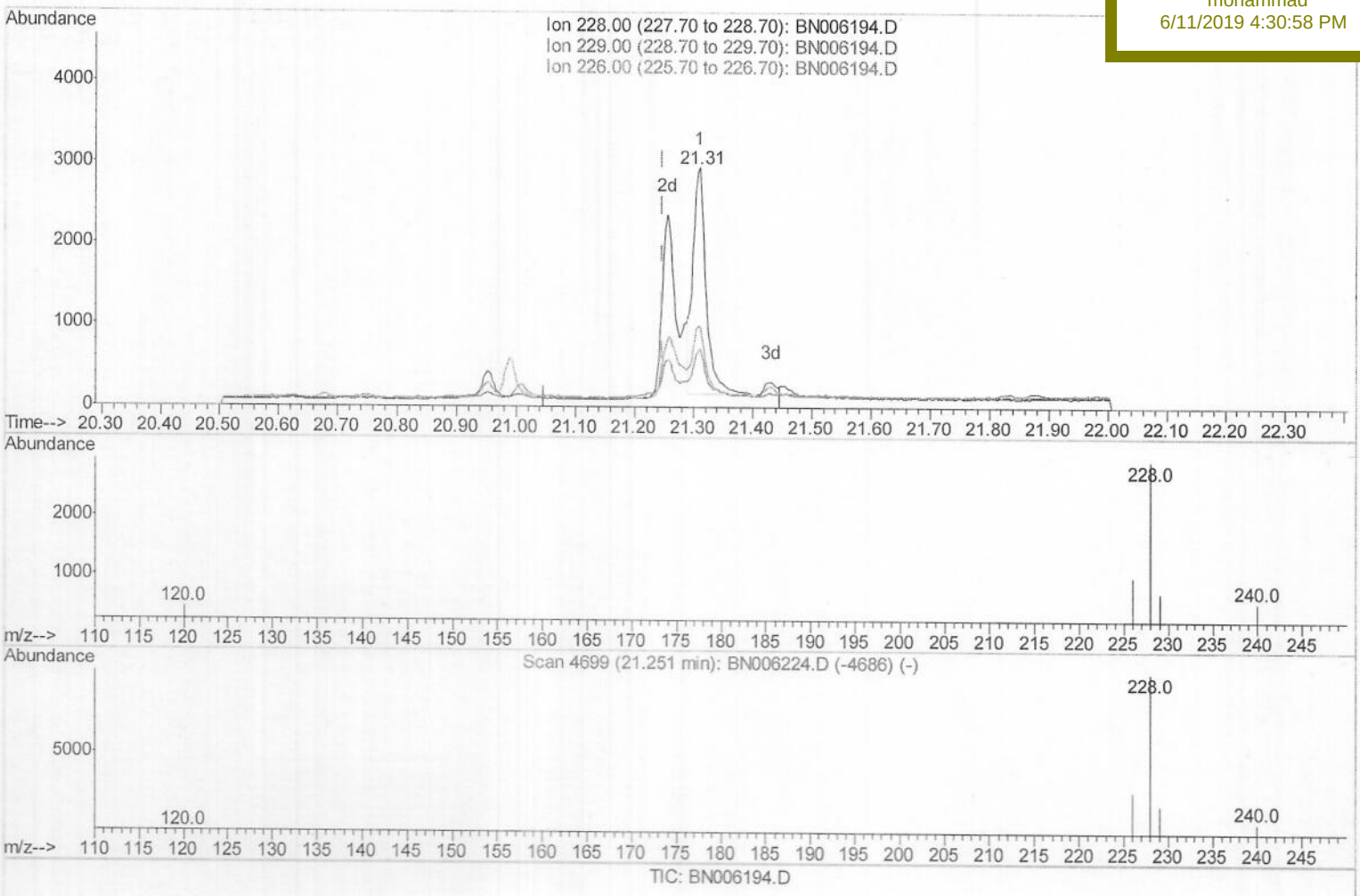
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 05:45:14 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(18) Benzo(a)anthracene

21.311min (+0.063) 0.00ng/ul

response 4333

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	24.30
226.00	28.50	33.02
0.00	0.00	0.00

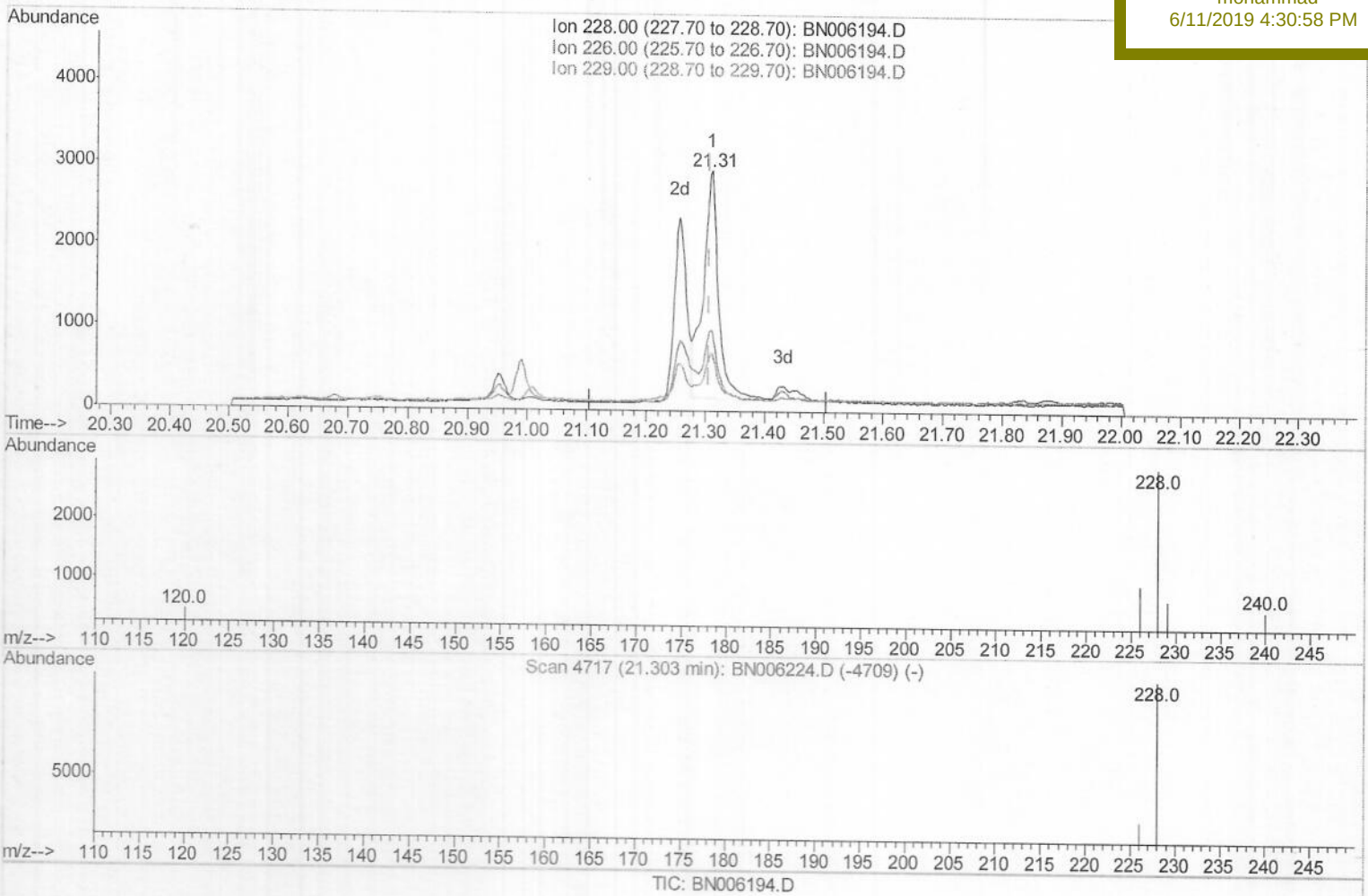
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 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 : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



TIC: BN006194.D

(19) Chrysene

21.311min (+0.004) 0.08ng/ul m

response 5050

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	33.02
229.00	20.40	24.30
0.00	0.00	0.00

JU 06/10/19

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 05:45:14 2019
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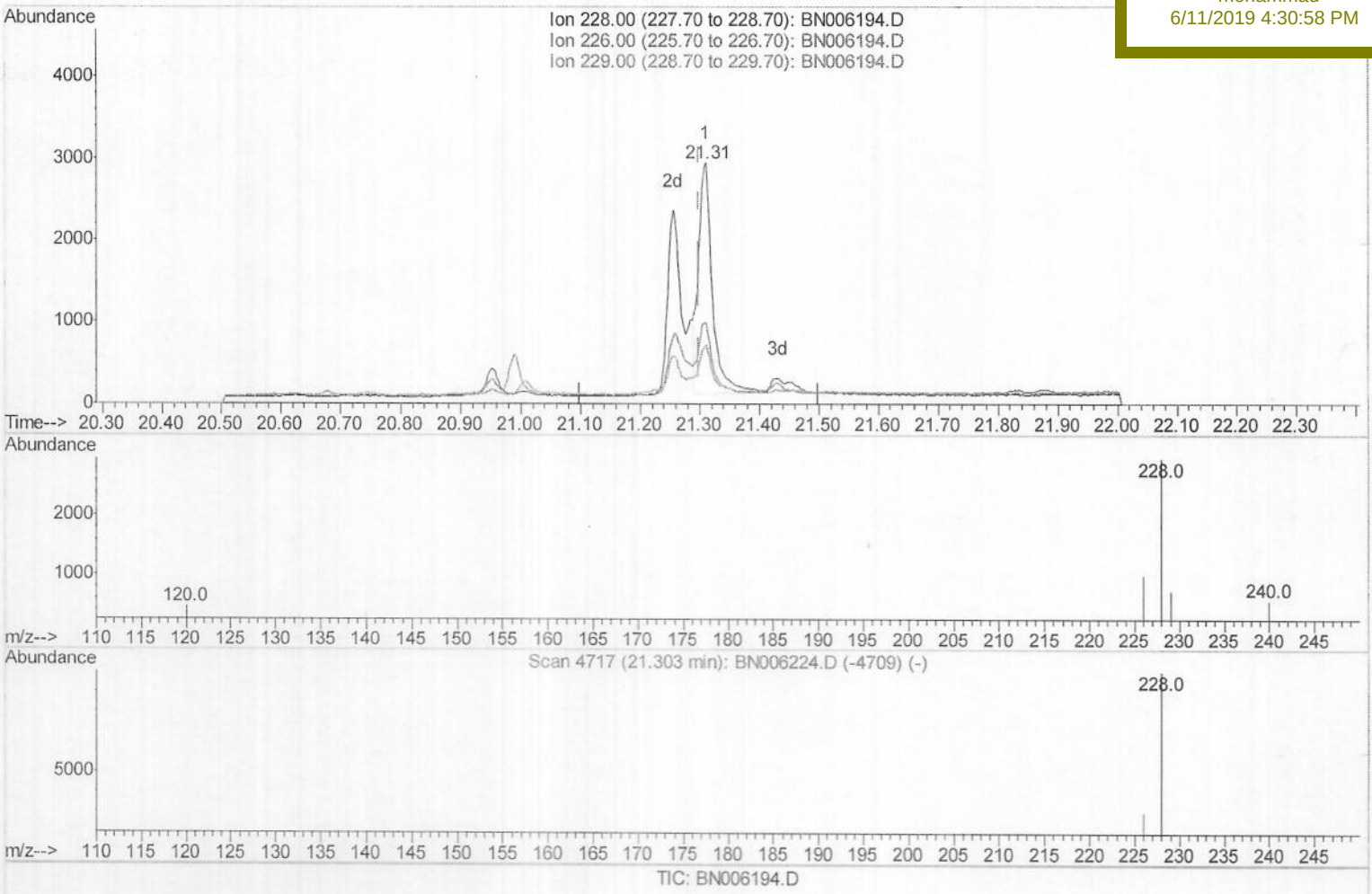
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(19) Chrysene

21.311min (+0.010) 0.00ng/ul

response 4547

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	33.02
229.00	20.40	24.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
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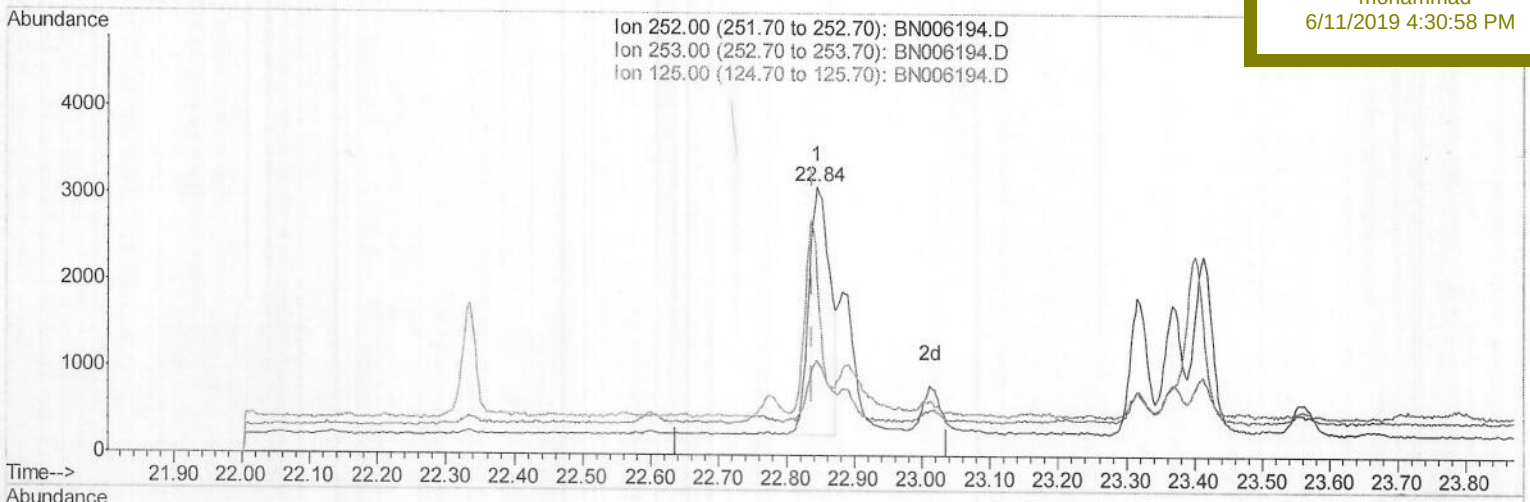
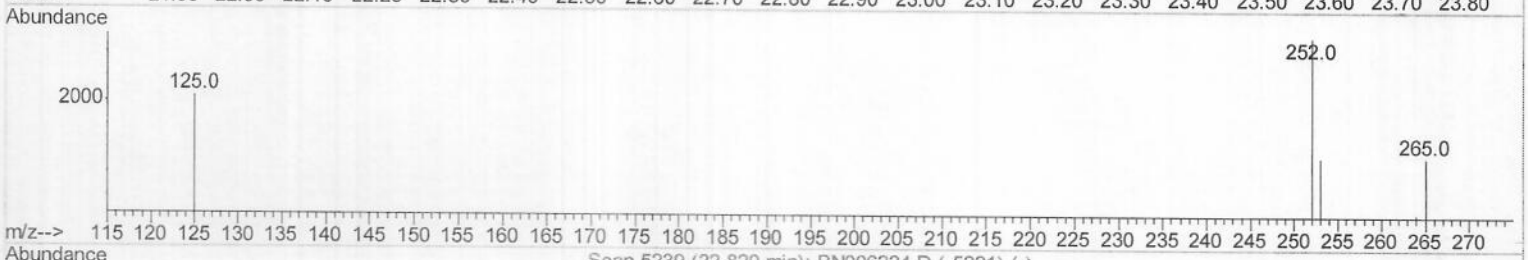
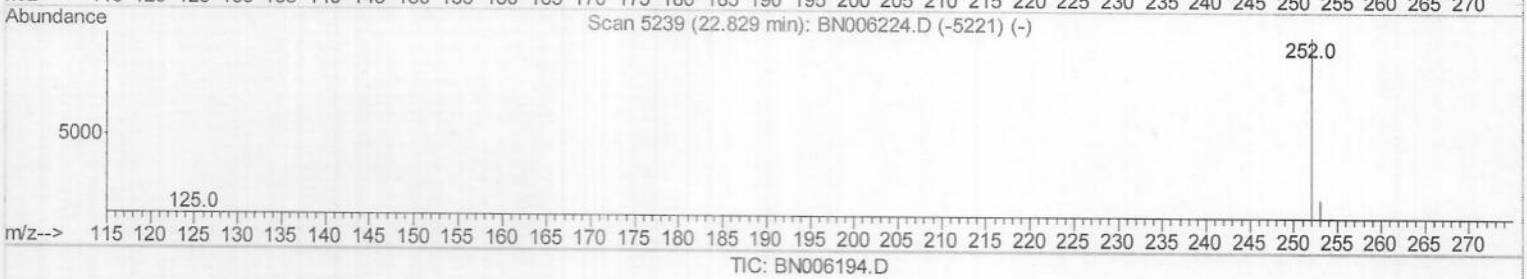
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM







TIC: BN006194.D

(21) Benzo(b)fluoranthene

22.845min (+0.007) 0.11ng/ul m JU 06/10/19

response 6101

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	35.33
125.00	20.50	67.05#
0.00	0.00	0.00

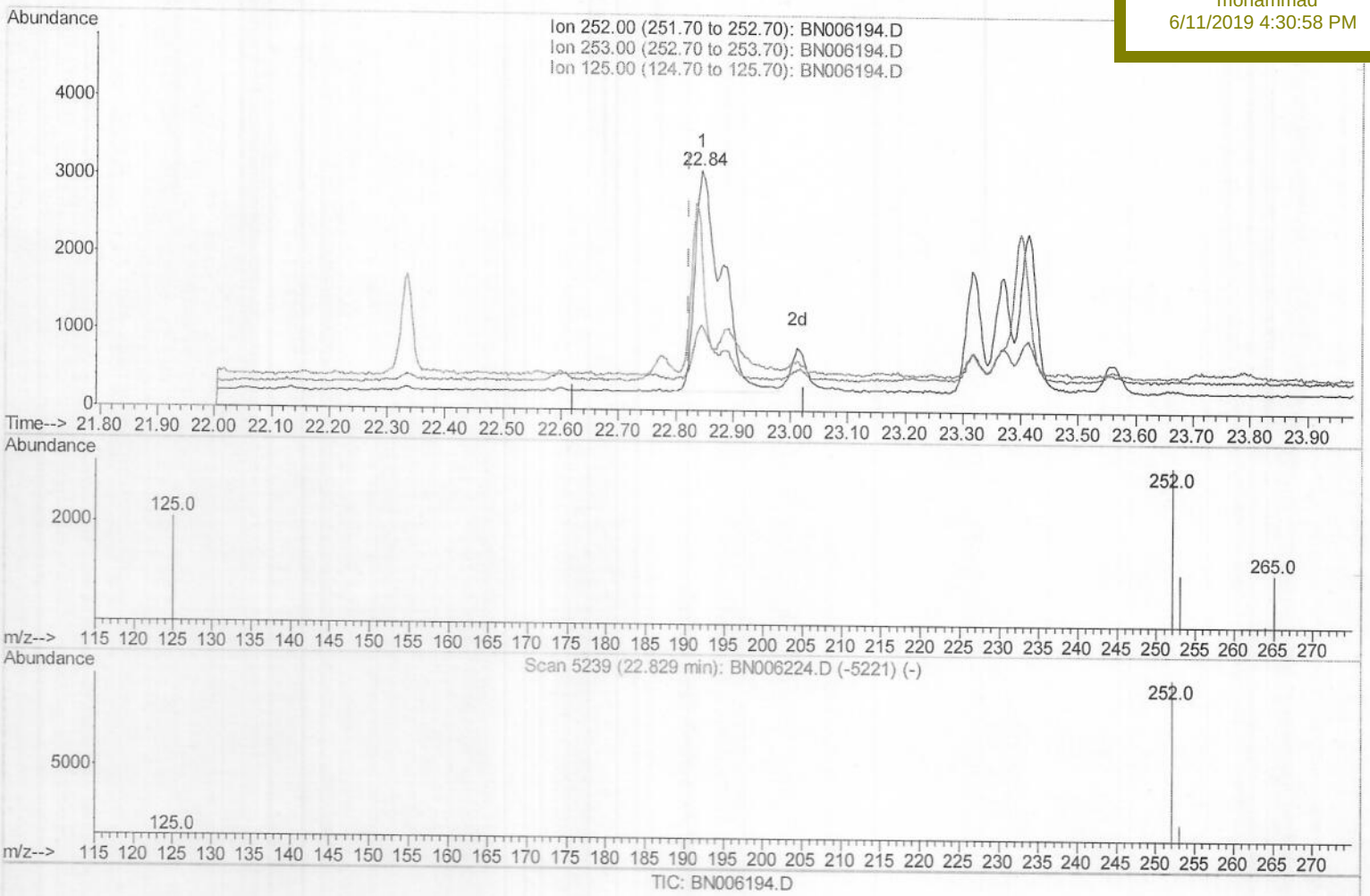
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 05:45:14 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 : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM



(21) Benzo(b)fluoranthene

22.845min (+0.022) 0.10ng/ul

response 9243

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	35.33
125.00	20.50	67.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 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 : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
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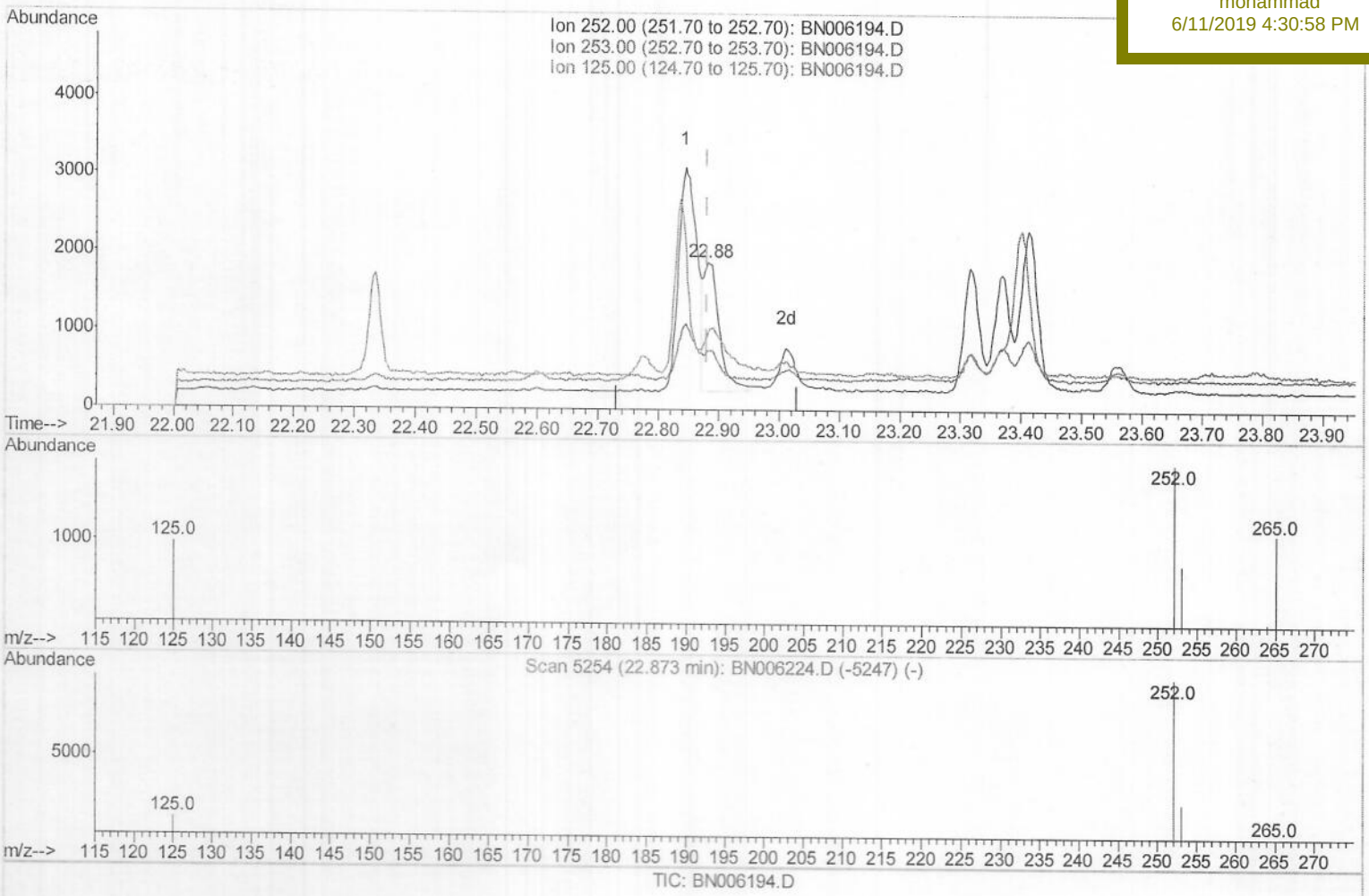


TIC: BN006194.D

(22) Benzo(k)fluoranthene

22.883min (+0.002) 0.06ng/ul m

response 3025

JU 06/10/19

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	39.86#
125.00	17.90	52.01#
0.00	0.00	0.00

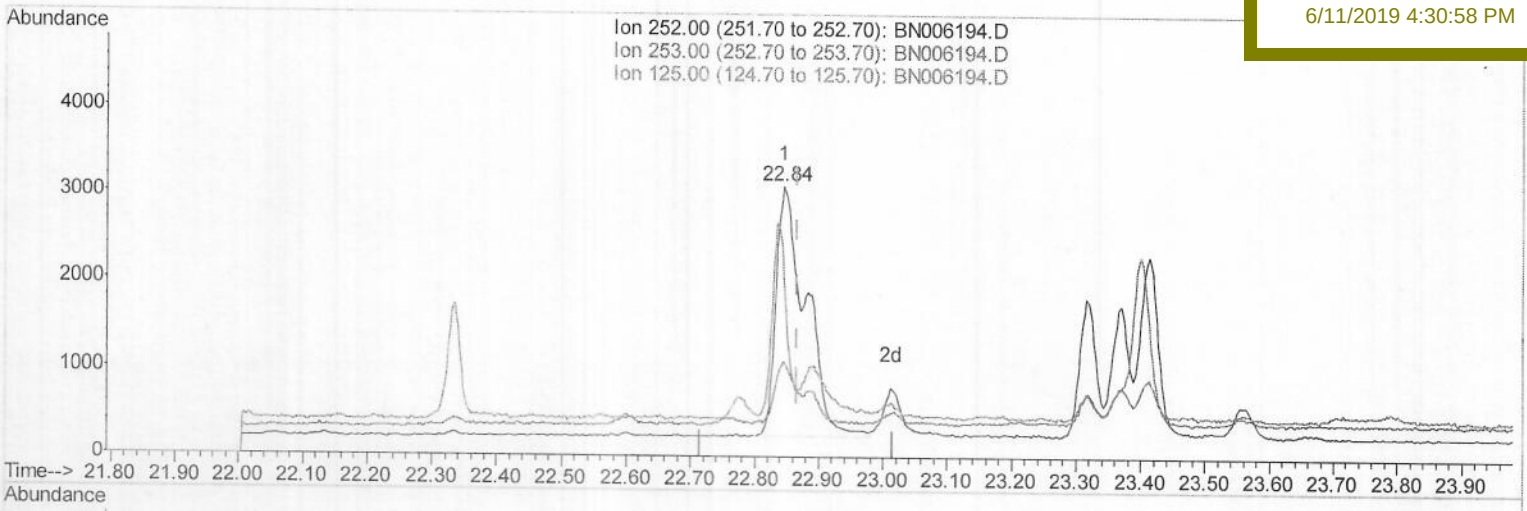
Quantitation Report (Qedit)

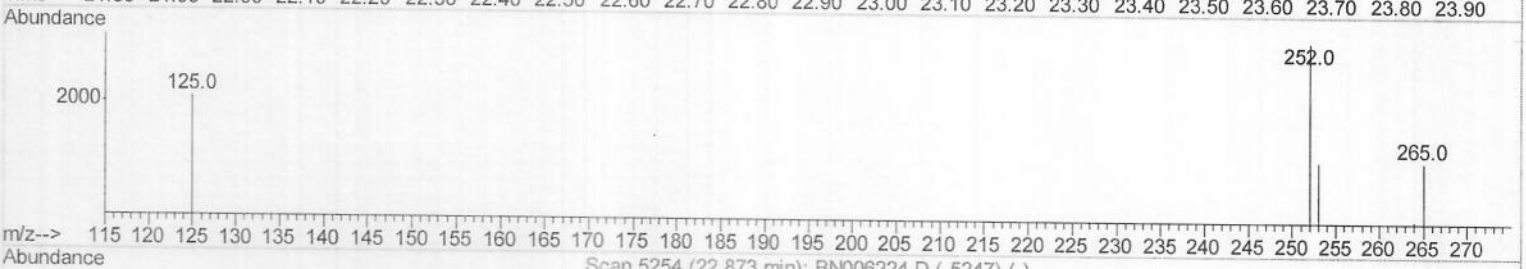
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

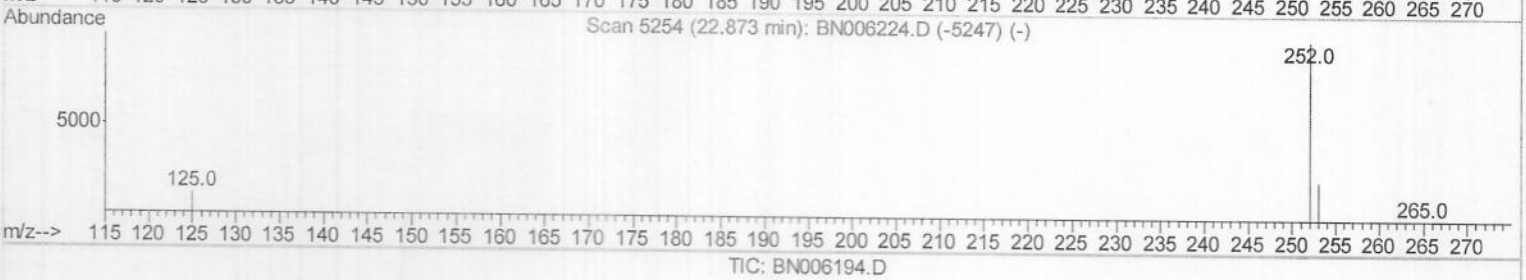
Quant Time: Jun 12 05:45:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D7

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:58 PM







TIC: BN006194.D

(22) Benzo(k)fluoranthene

22.845min (-0.022) 0.10ng/ul

response 9243

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	35.33#
125.00	17.90	67.05#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006194.D
Acq On : 08 Jun 2019 16:47
Operator : JU/SJ
Sample : K3016-20
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 09 04:41:19 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 : Sun Jun 09 04:20:15 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : A51D7

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4579	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	17240	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	9062	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	18602m	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	14778m	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	13416m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	4628	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	9801m	0.20	ng/ul	0.00
Target Compounds						Qvalue
7) Acenaphthylene	14.01	152	1476	0.029	ng/ul#	84
12) Phenanthrene	17.09	178	3824	0.064	ng/ul	96
15) Fluoranthene	19.12	202	9010m	0.137	ng/ul	
17) Pyrene	19.49	202	9789	0.126	ng/ul	97
18) Benzo(a)anthracene	21.26	228	3370m	0.052	ng/ul	
19) Chrysene	21.31	228	5050m	0.082	ng/ul	
21) Benzo(b)fluoranthene	22.84	252	6101m	0.109	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	3025m	0.056	ng/ul	
23) Benzo(a)pyrene	23.41	252	3801	0.073	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	25.75	276	2764	0.049	ng/ul#	96
26) Benzo(g,h,i)perylene	26.43	276	2441	0.052	ng/ul#	83

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