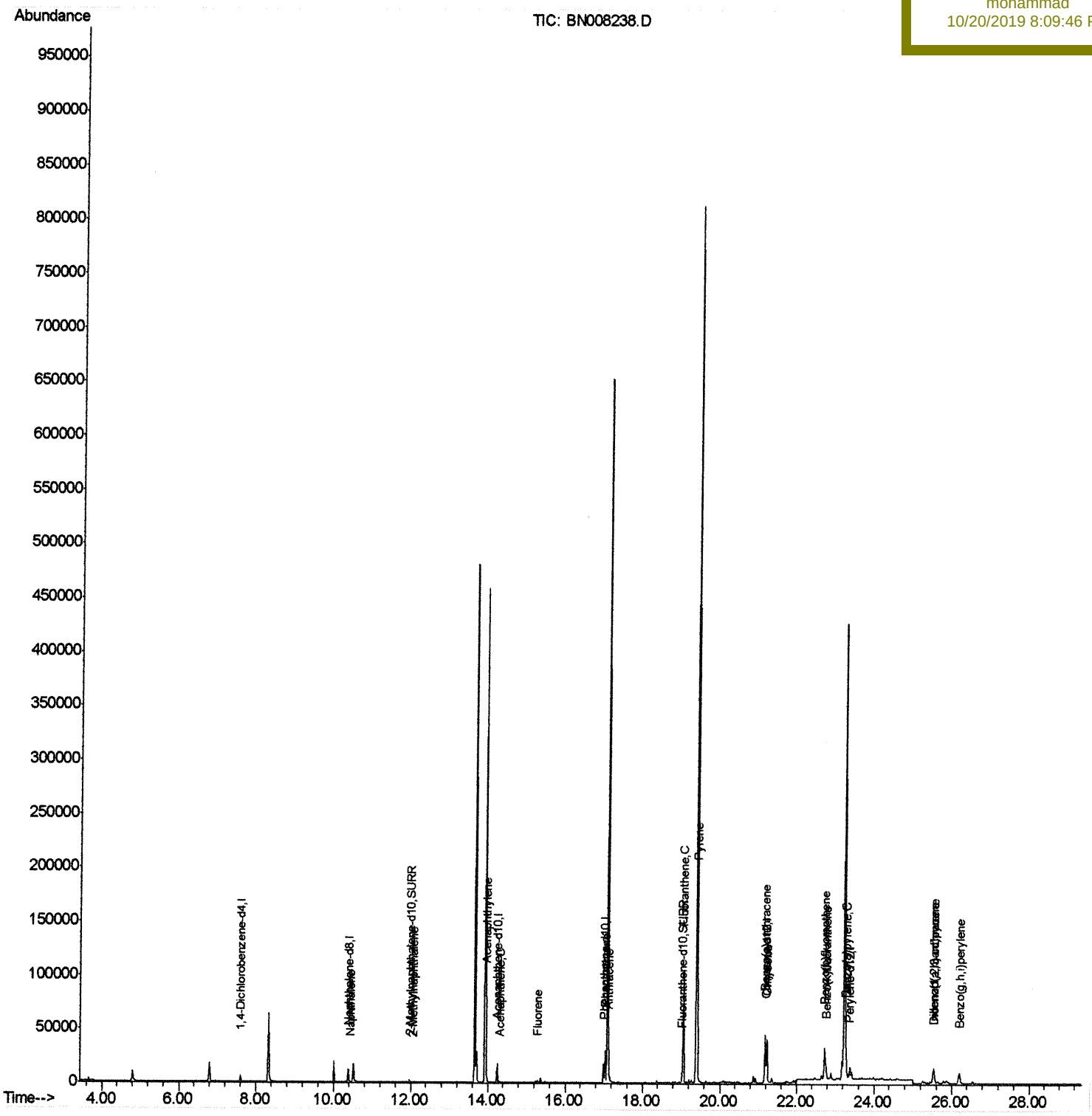
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008238.D
Acq On : 18 Oct 2019 01:21
Operator : JU
Sample : K5177-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 04:05:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC7

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:46 PM



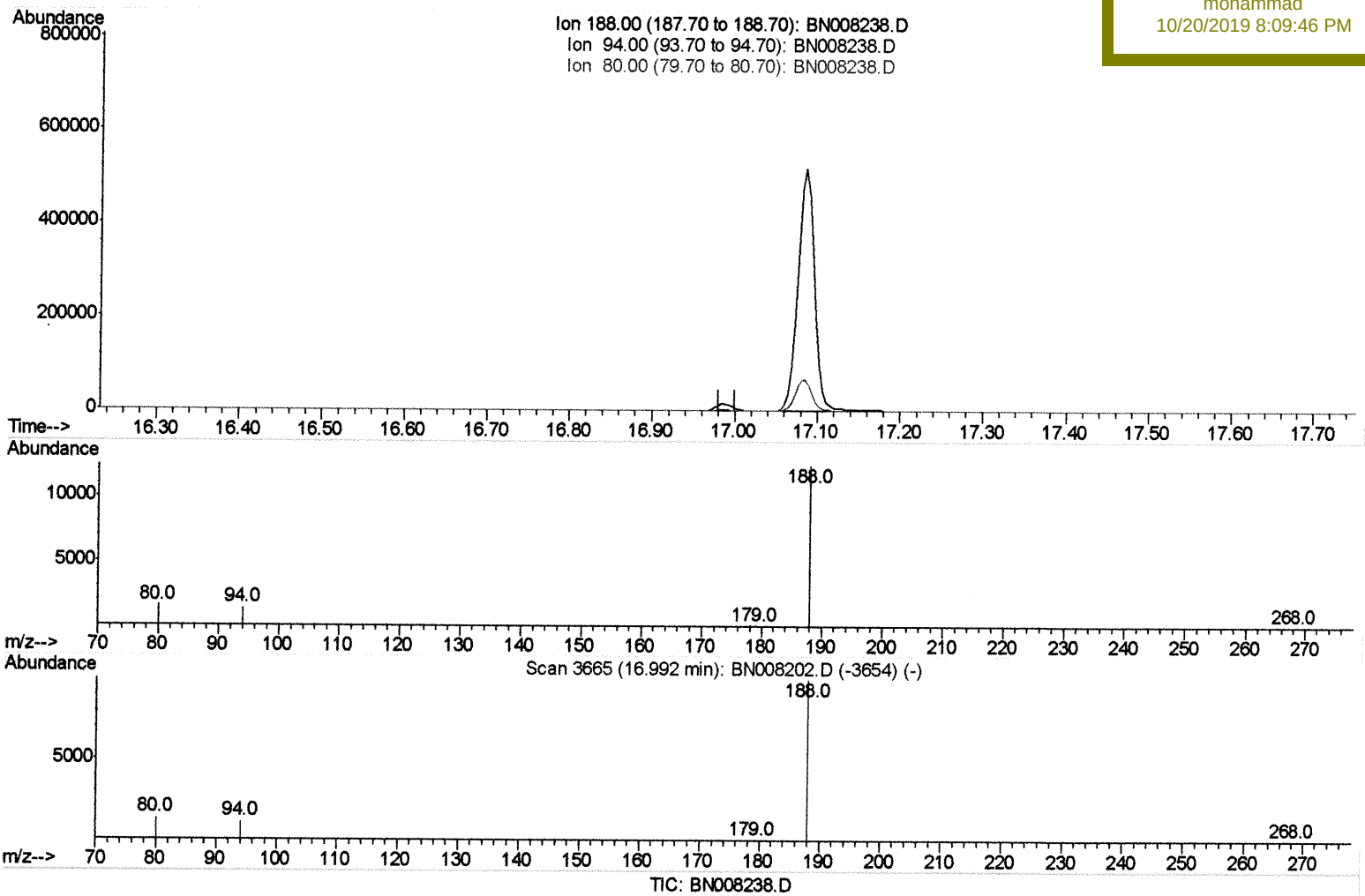
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008238.D
Acq On : 18 Oct 2019 01:21
Operator : JU
Sample : K5177-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 02:00:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC7

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:46 PM



TIC: BN008238.D

(10) Phenanthrene-d10 (I)

16.992min (-16.992) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	10.90	0.00#
80.00	12.60	0.00#
0.00	0.00	0.00

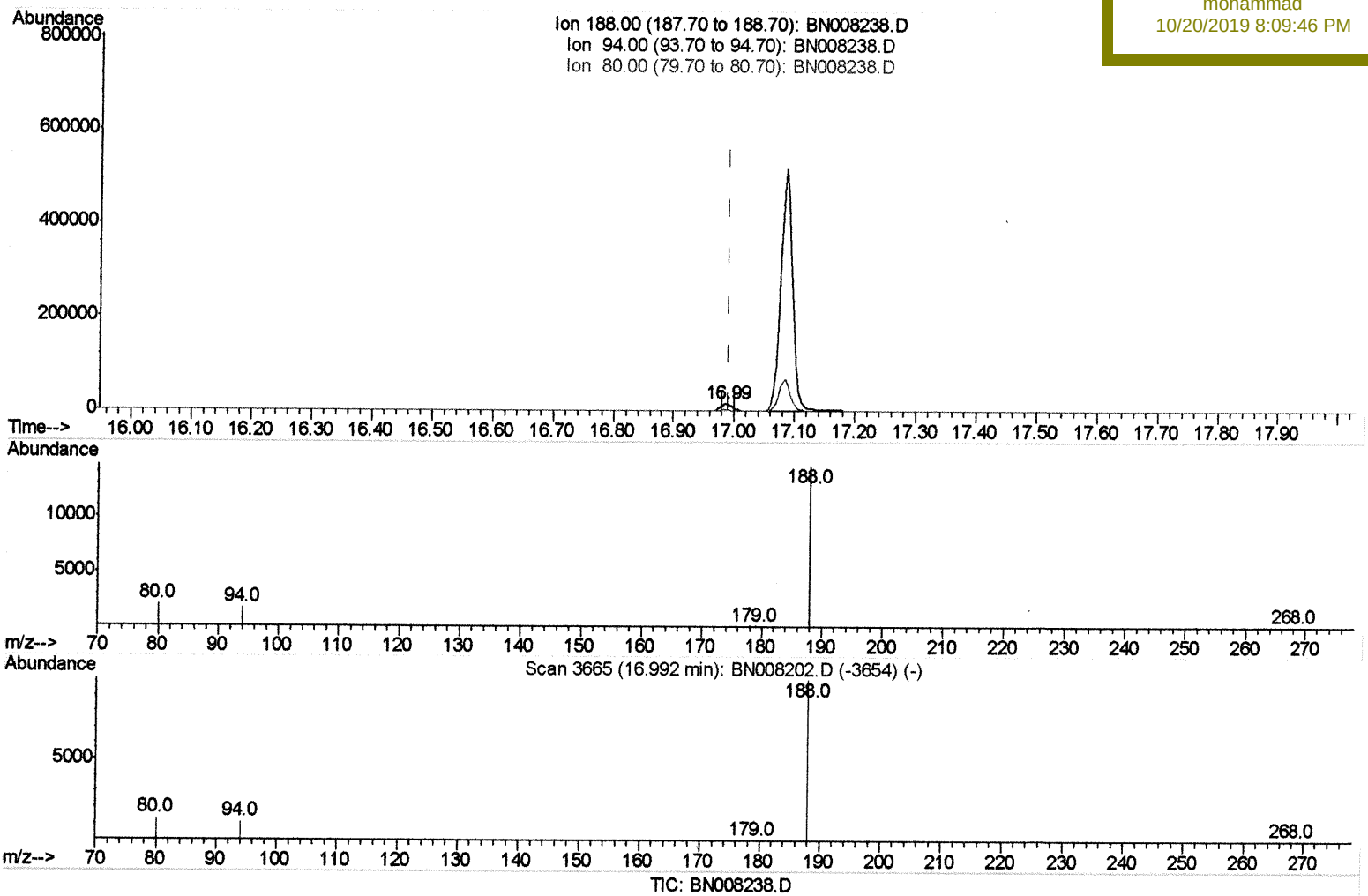
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008238.D
Acq On : 18 Oct 2019 01:21
Operator : JU
Sample : K5177-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 02:00:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC7

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:46 PM



TIC: BN008238.D

(10) Phenanthrene-d10 (I)

16.988min (-0.004) 0.40ng/ul m

response 20851

10/4/19

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.35
80.00	12.60	13.43
0.00	0.00	0.00

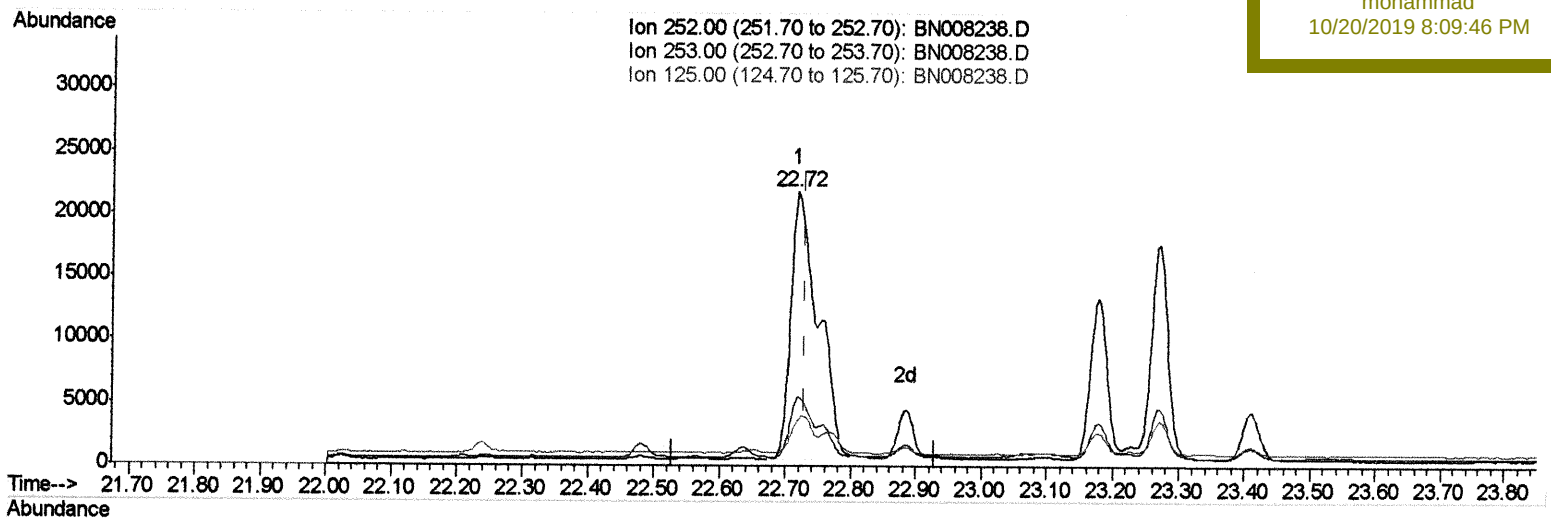
Quantitation Report (Qedit)

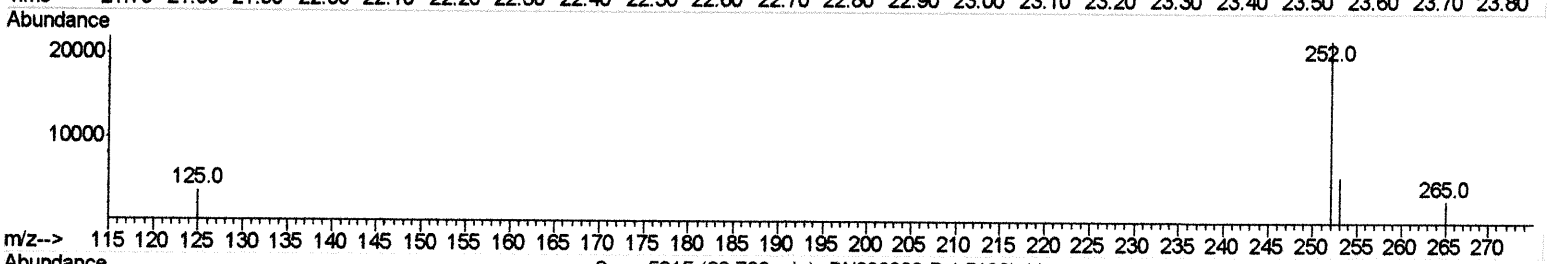
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008238.D
Acq On : 18 Oct 2019 01:21
Operator : JU
Sample : K5177-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

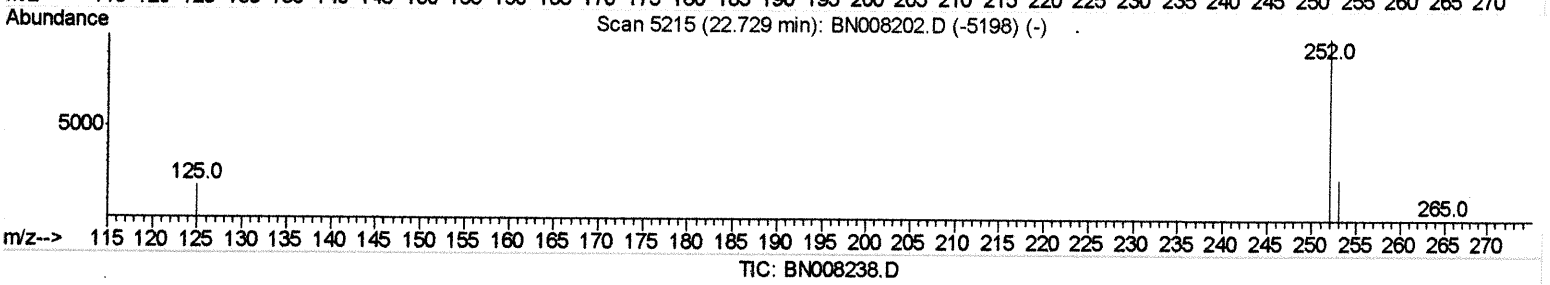
Quant Time: Oct 18 04:04:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC7

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:46 PM







TIC: BN008238.D

(21) Benzo(b)fluoranthene

22.717min (-0.012) 1.51ng/ul

response 62168

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	25.24
125.00	16.20	16.57
0.00	0.00	0.00

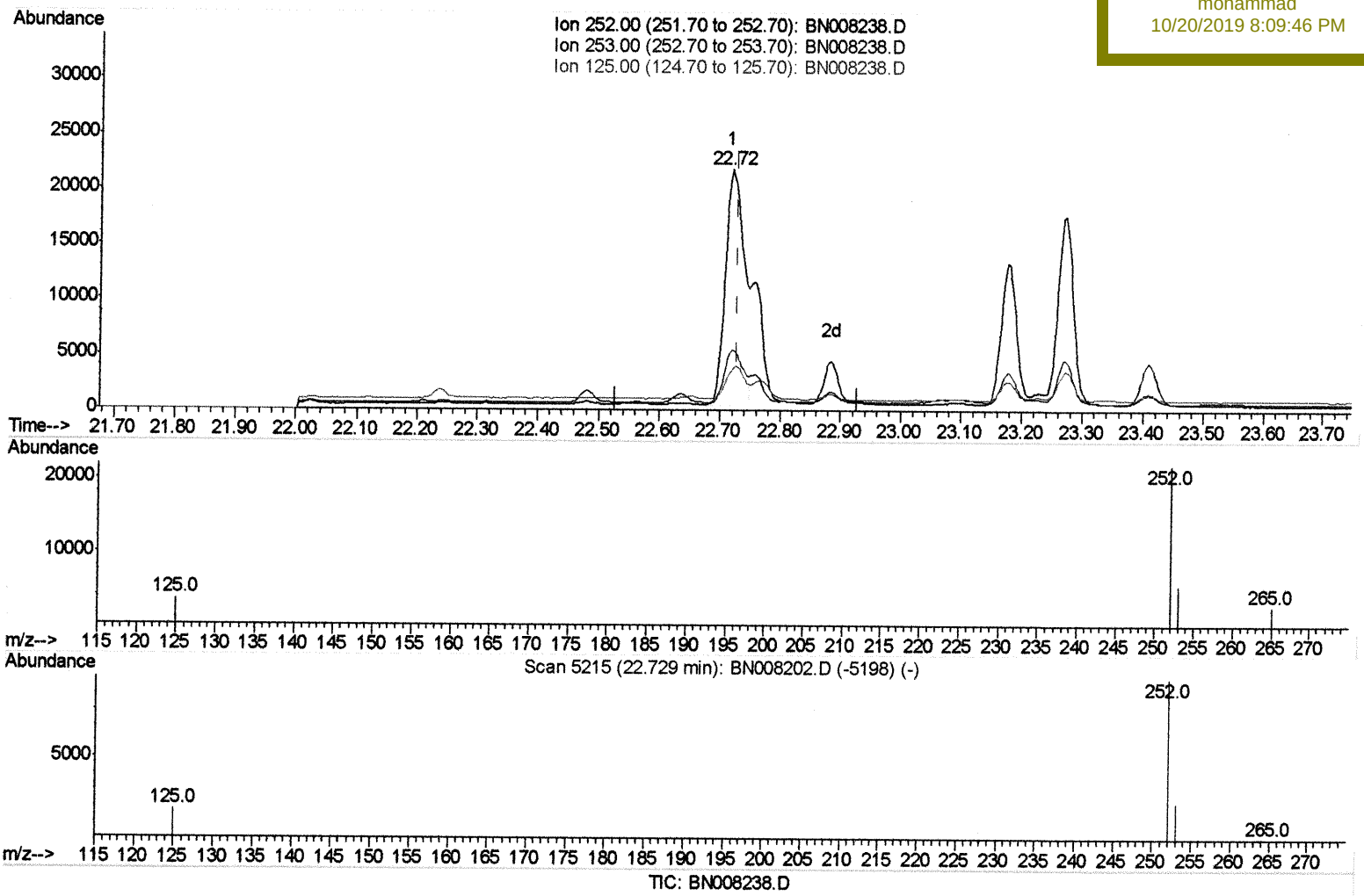
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008238.D
Acq On : 18 Oct 2019 01:21
Operator : JU
Sample : K5177-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 18 04:04:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC7

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:46 PM



TIC: BN008238.D

(21) Benzo(b)fluoranthene

22.717min (-0.012) 1.11ng/ul m

response 45896

10/21/19

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	25.24
125.00	16.20	16.57
0.00	0.00	0.00

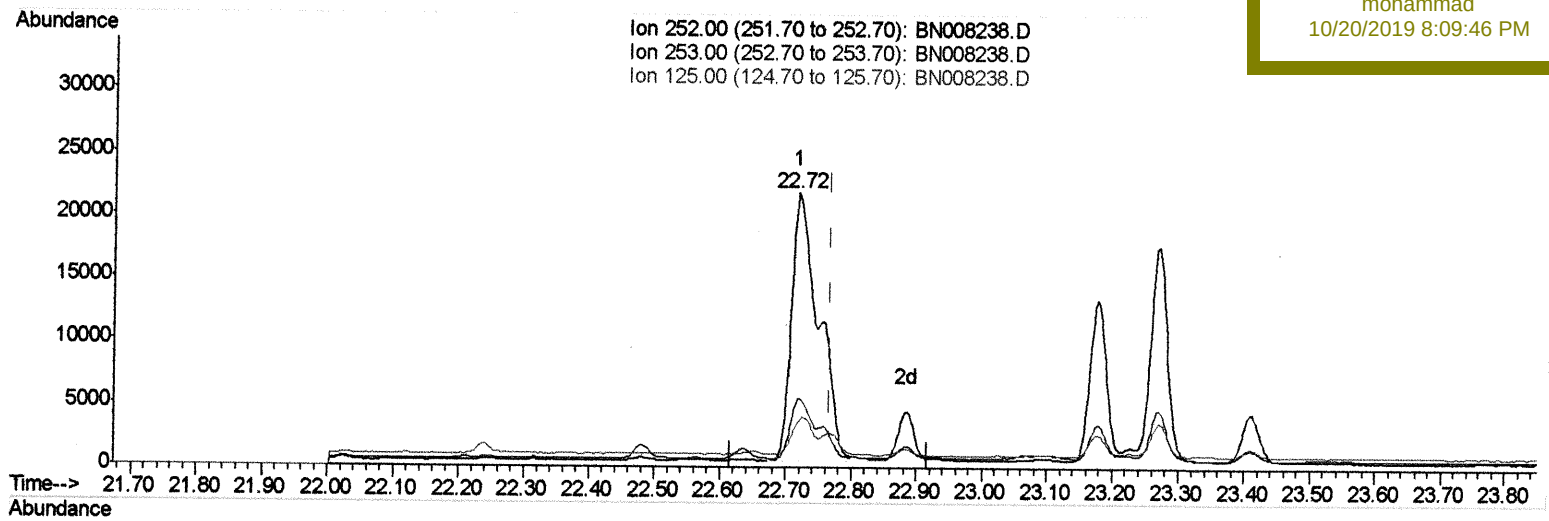
Quantitation Report (Qedit)

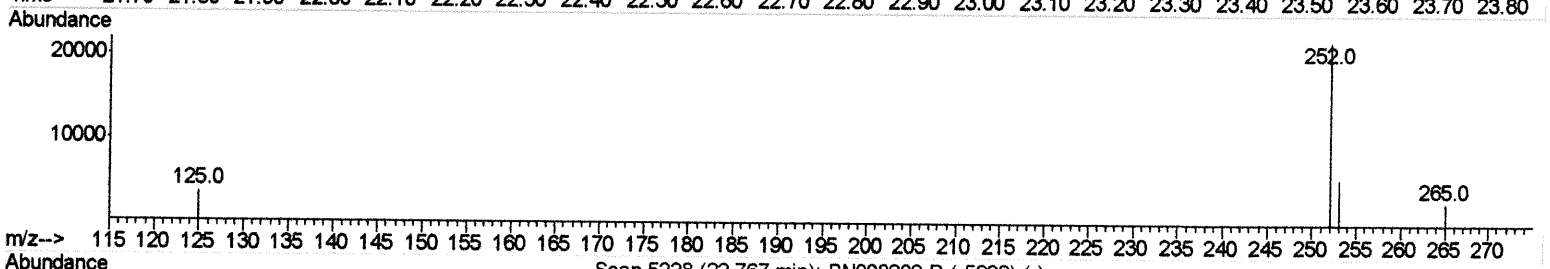
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008238.D
Acq On : 18 Oct 2019 01:21
Operator : JU
Sample : K5177-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

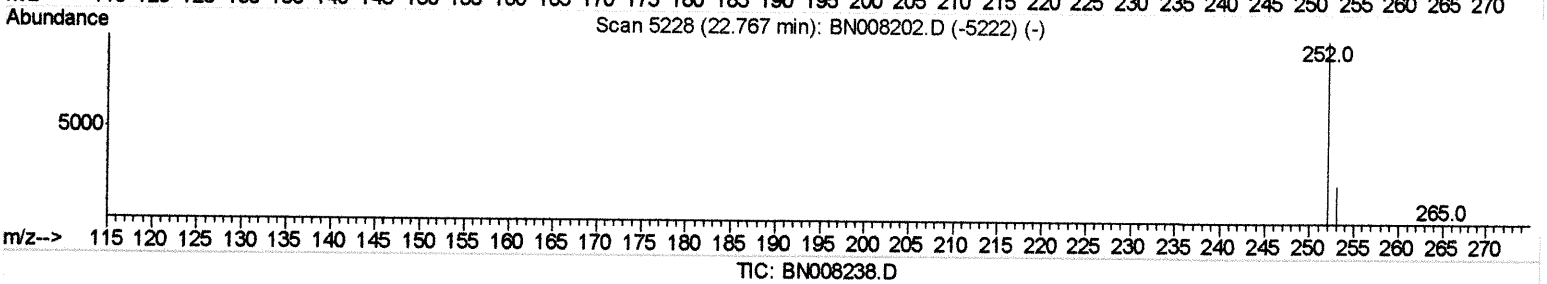
Quant Time: Oct 18 04:04:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC7

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:46 PM







TIC: BN008238.D

(22) Benzo(k)fluoranthene

22.717min (-0.050) 1.33ng/ul

response 62168

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	25.24
125.00	15.40	16.57
0.00	0.00	0.00

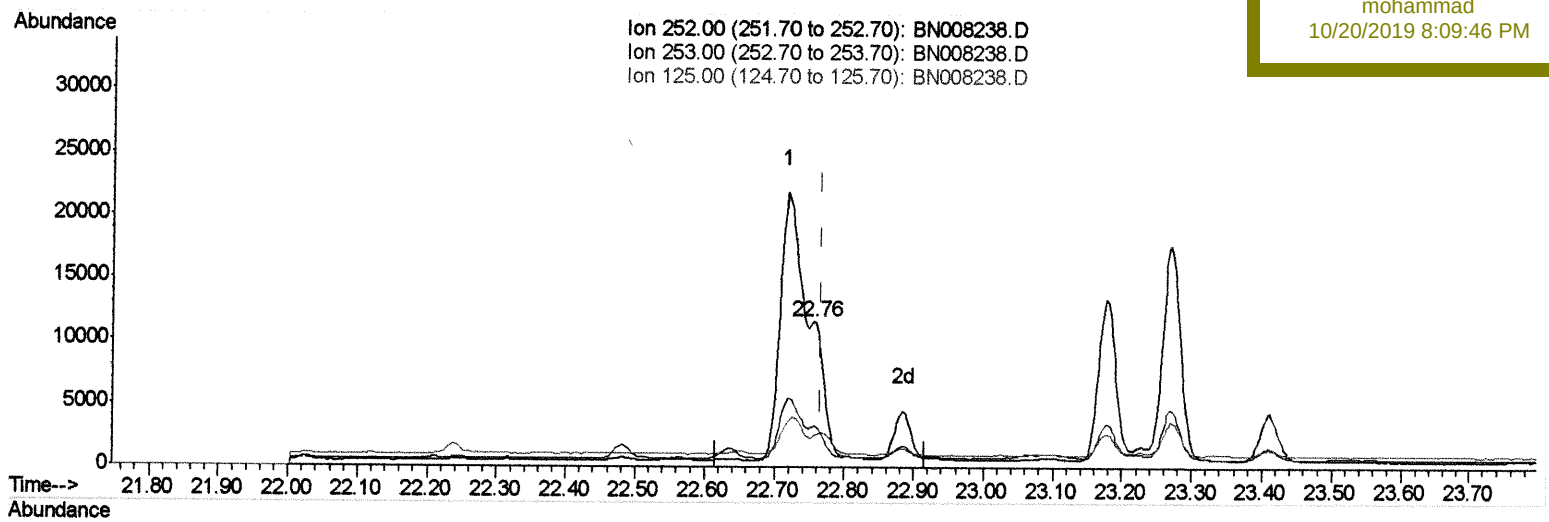
Quantitation Report (Qedit)

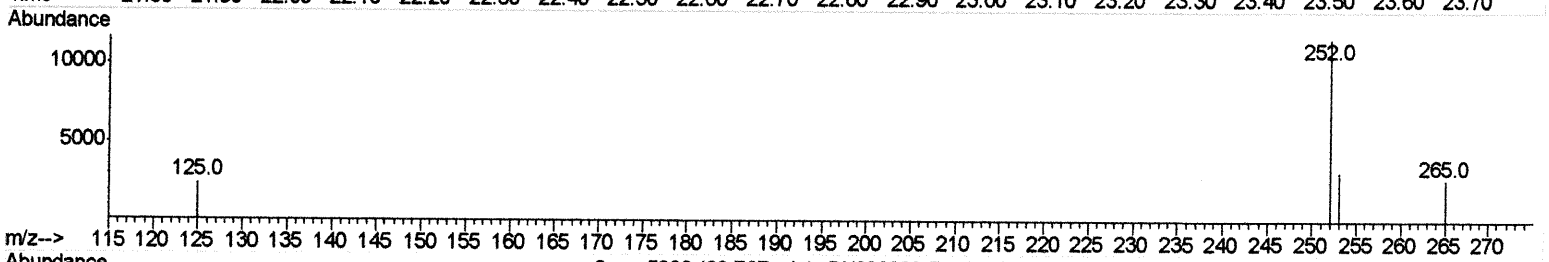
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008238.D
Acq On : 18 Oct 2019 01:21
Operator : JU
Sample : K5177-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

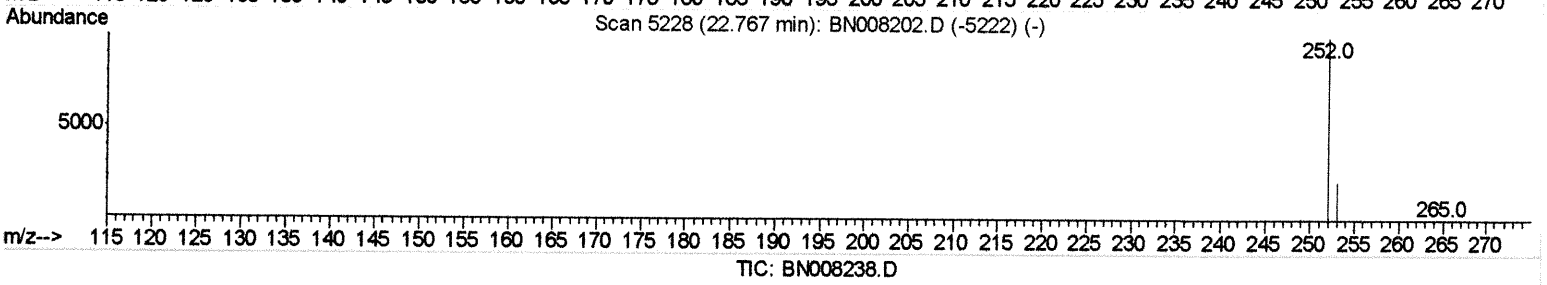
Quant Time: Oct 18 04:04:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC7

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:46 PM







TIC: BN008238.D

(22) Benzo(k)fluoranthene

22.756min (-0.011) 0.32ng/ul m

response 15002

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.88
125.00	15.40	21.12#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008238.D
Acq On : 18 Oct 2019 01:21
Operator : JU
Sample : K5177-18
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPC7

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:46 PM

Quant Time: Oct 18 04:05:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	3362	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	16094	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	9737	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	20851m	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	14687	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	12658	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	3807	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	10285	0.14	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.42	128	1356	0.030	ng/ul#	84
5) 2-Methylnaphthalene	12.04	142	685	0.022	ng/ul	99
7) Acenaphthylene	13.95	152	3913	0.084	ng/ul	96
8) Acenaphthene	14.30	153	933	0.026	ng/ul	96
9) Fluorene	15.29	166	1481	0.036	ng/ul#	96
12) Phenanthrene	17.03	178	31900	0.523	ng/ul	99
13) Anthracene	17.12	178	6239	0.116	ng/ul	98
15) Fluoranthene	19.05	202	87932	1.091	ng/ul	98
17) Pyrene	19.41	202	78356	1.340	ng/ul	97
18) Benzo(a)anthracene	21.17	228	36100	0.676	ng/ul	97
19) Chrysene	21.22	228	41989	0.641	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	45896m	1.114	ng/ul	
22) Benzo(k)fluoranthene	22.76	252	15002m	0.321	ng/ul	
23) Benzo(a)pyrene	23.27	252	30657	0.707	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.53	276	22295	0.437	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.53	278	4927	0.122	ng/ul#	75
26) Benzo(g,h,i)perylene	26.19	276	20537	0.439	ng/ul	97

JU 10/21/19

JU 10/21/19

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