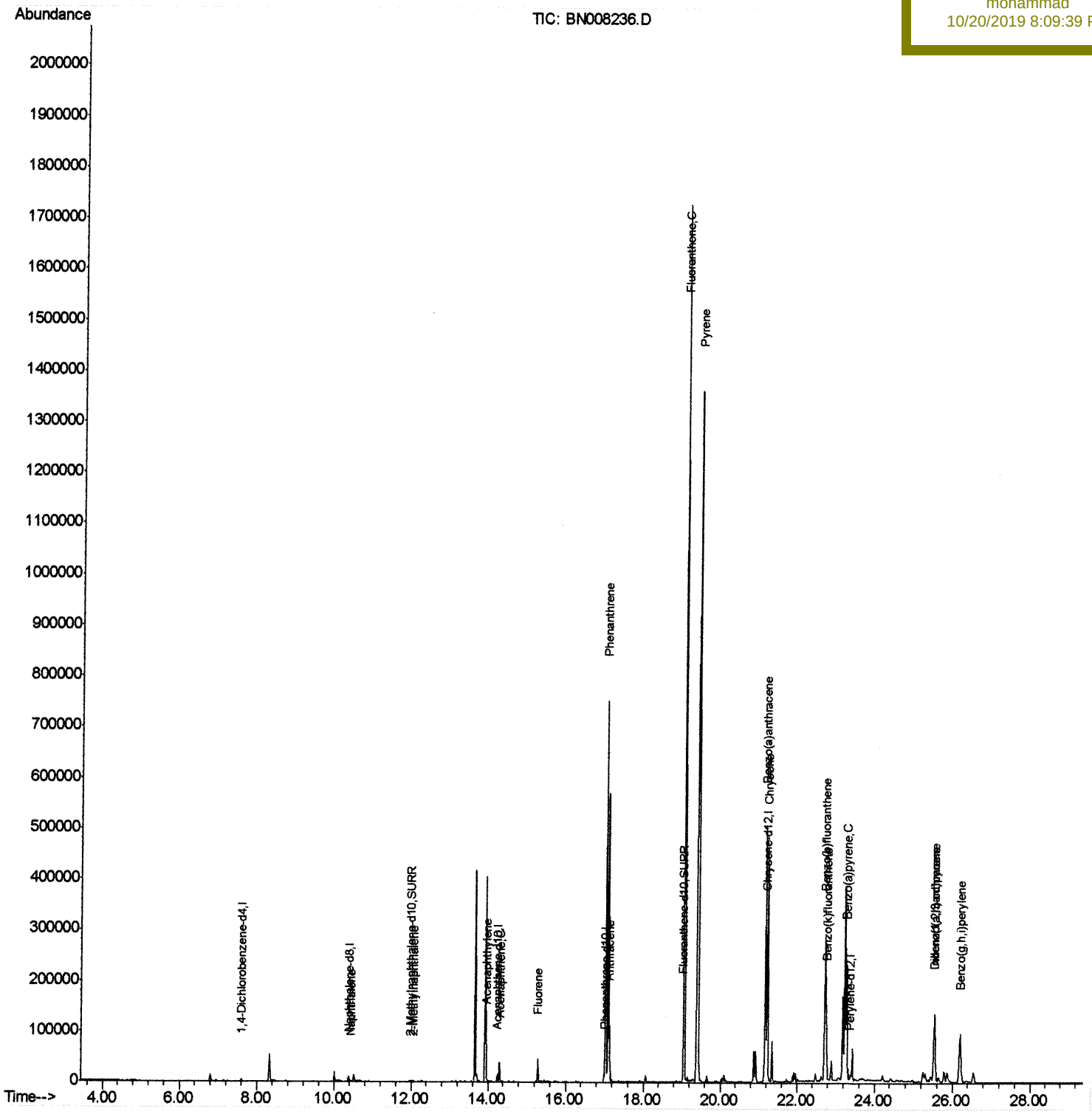
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008236.D
Acq On : 18 Oct 2019 00:10
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 04:00:02 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 :
BEPC9

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:39 PM



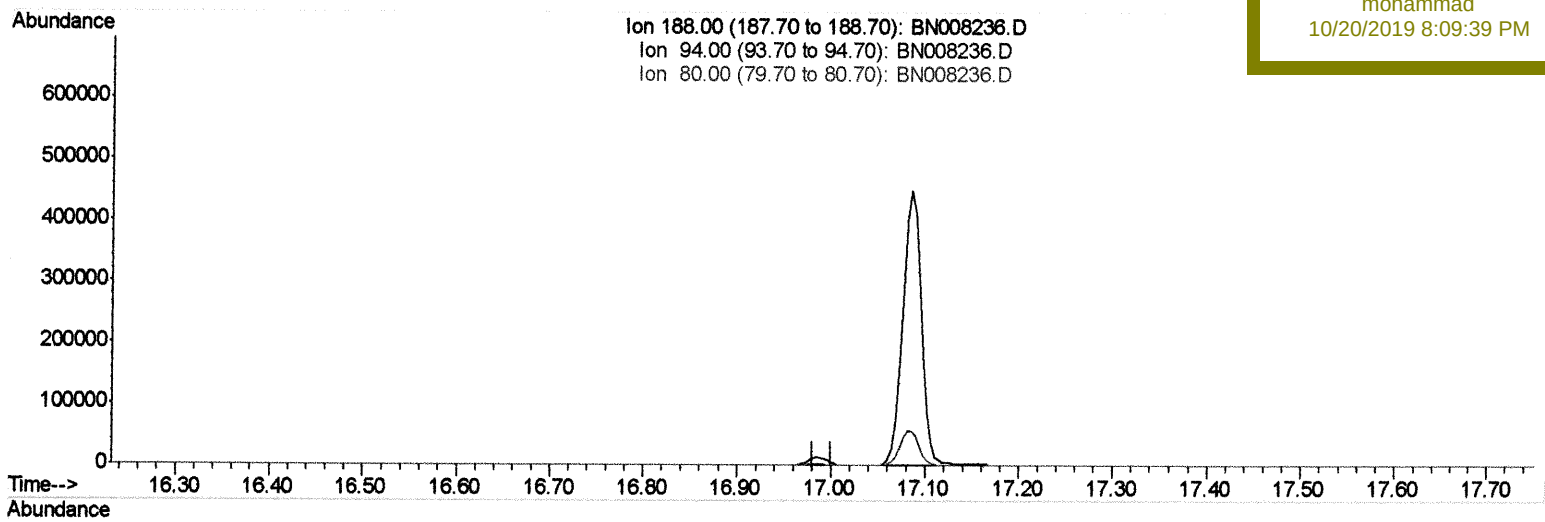
Quantitation Report (Qedit)

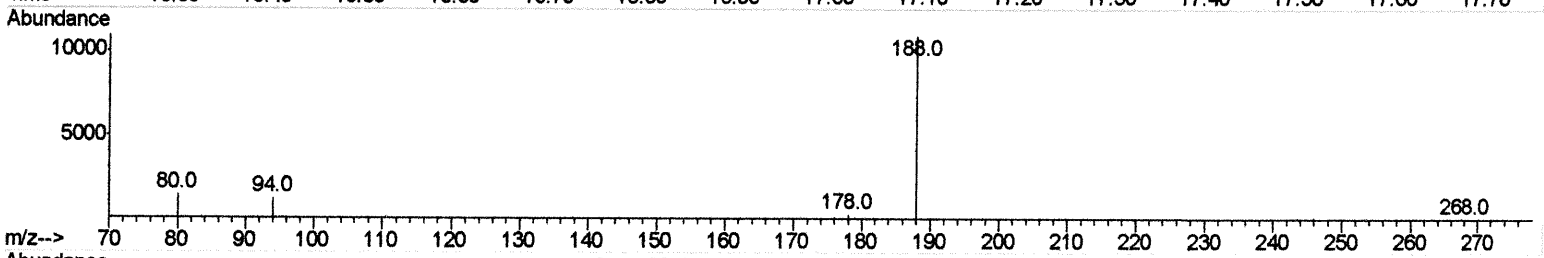
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008236.D
Acq On : 18 Oct 2019 00:10
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

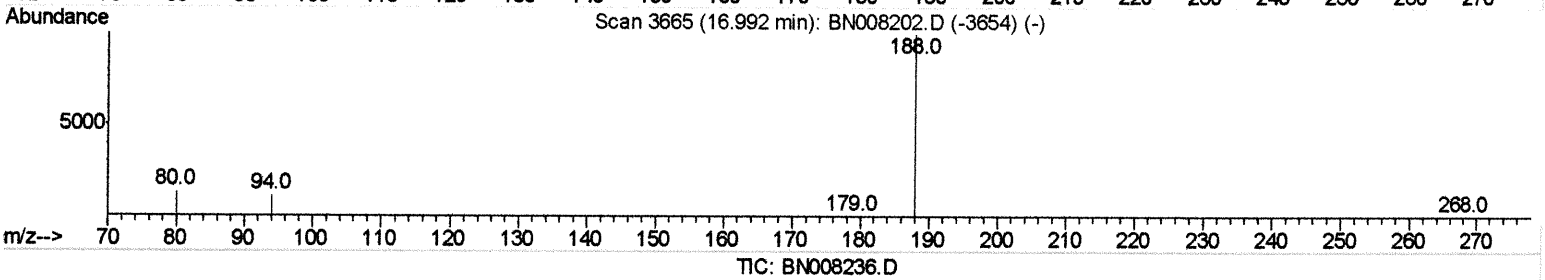
Quant Time: Oct 18 01:59:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC9

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:39 PM







(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

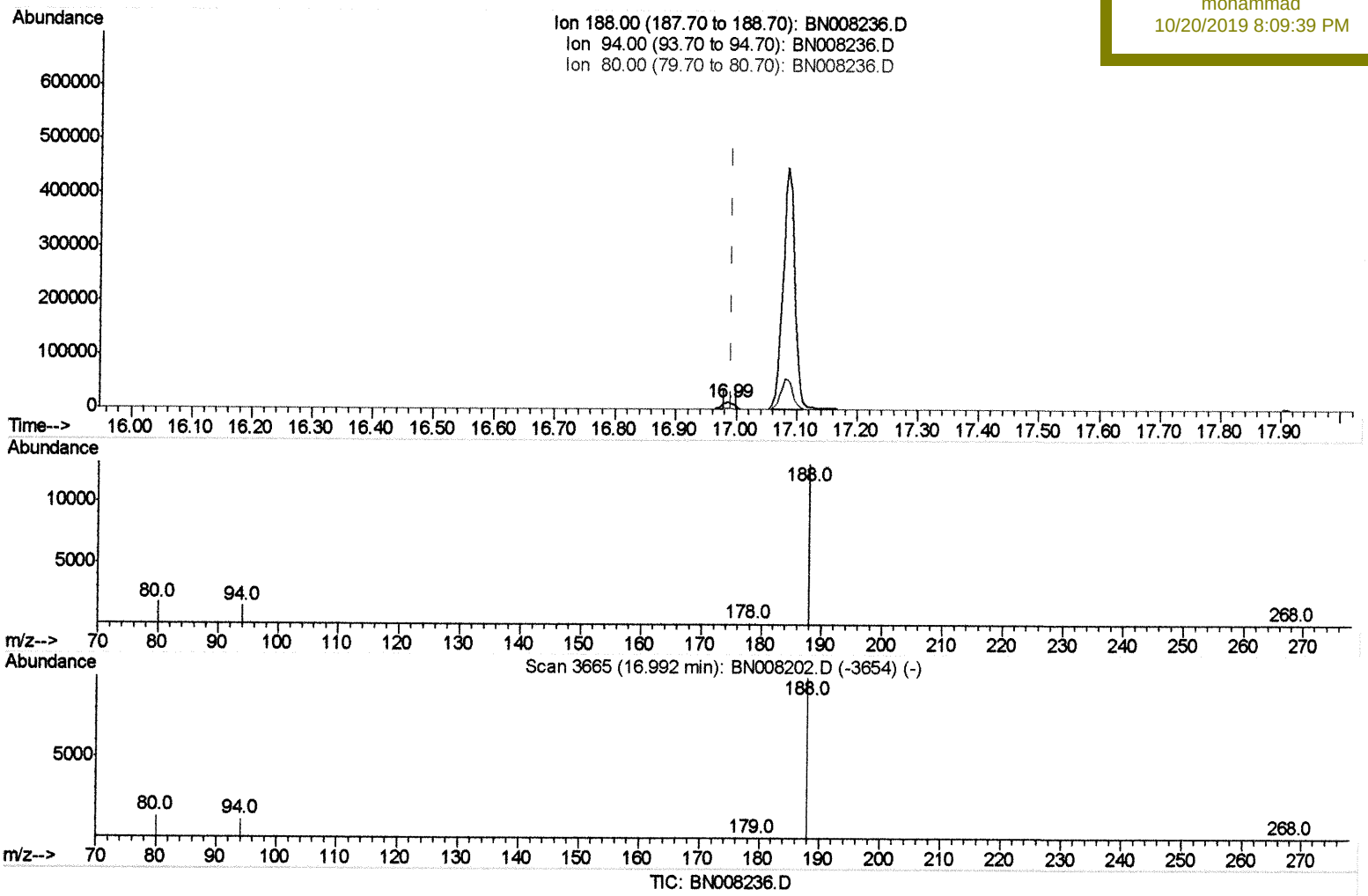
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008236.D
Acq On : 18 Oct 2019 00:10
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 01:59:51 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 :
BEPC9

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:39 PM



TIC: BN008236.D

(10) Phenanthrene-d10 (I)

16.987min (-0.004) 0.40ng/ul m

response 18731

JU 10/21/19

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.28
80.00	12.60	13.27
0.00	0.00	0.00

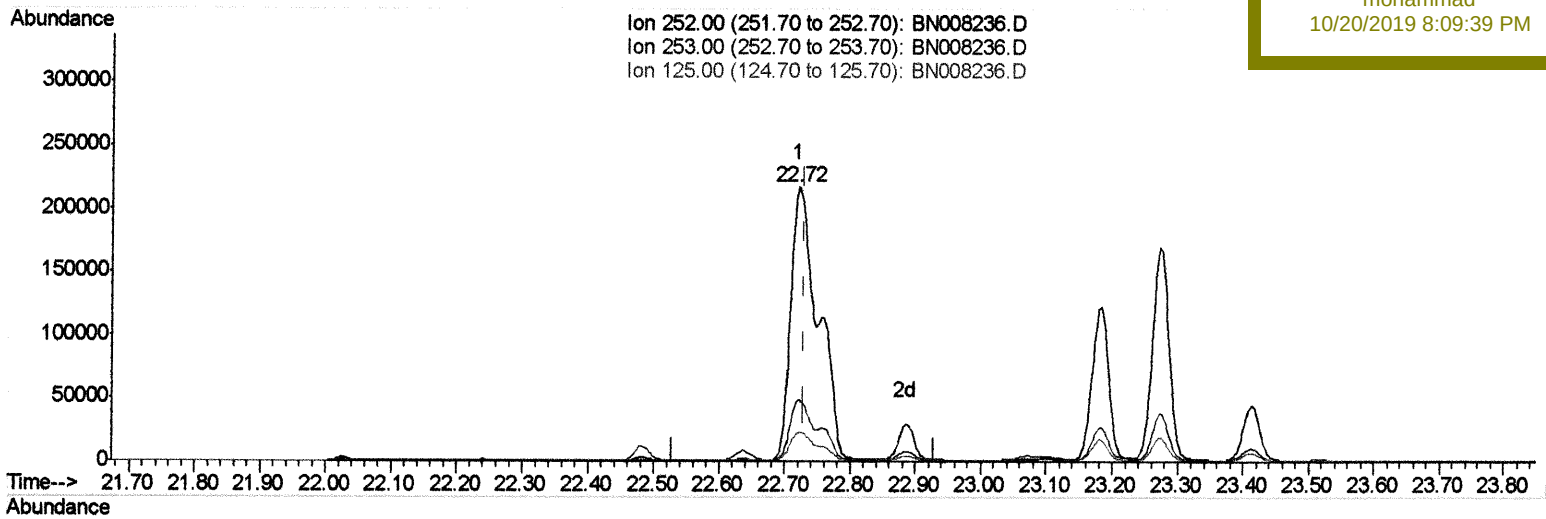
Quantitation Report (Qedit)

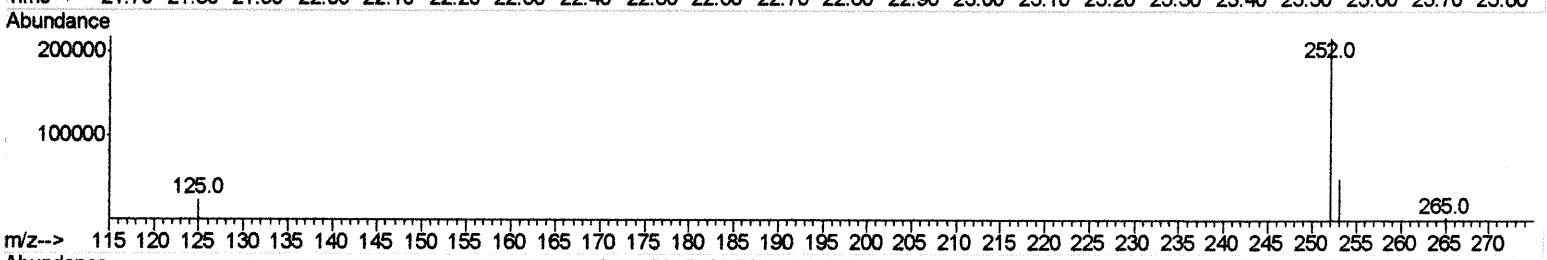
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008236.D
Acq On : 18 Oct 2019 00:10
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

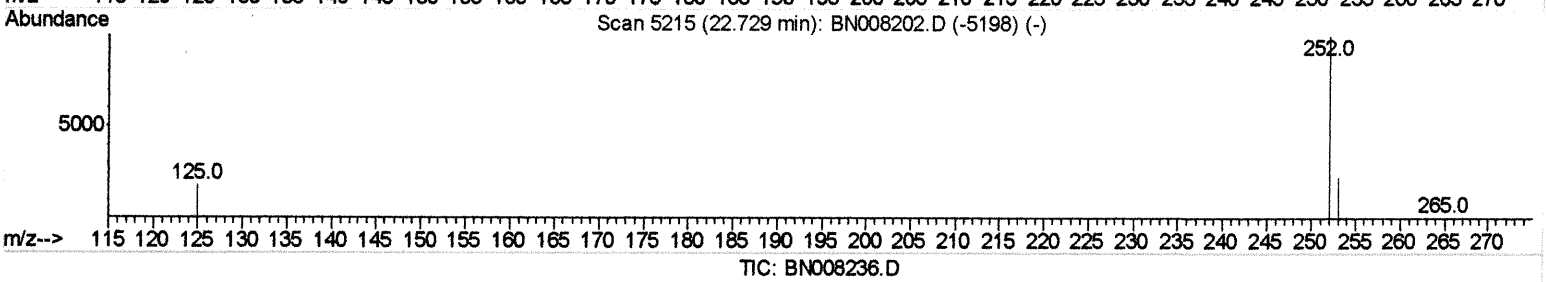
Quant Time: Oct 18 03:58:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC9

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:39 PM







TIC: BN008236.D

(21) Benzo(b)fluoranthene

22.720min (-0.009) 16.45ng/ul

response 630042

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	22.65
125.00	16.20	10.46
0.00	0.00	0.00

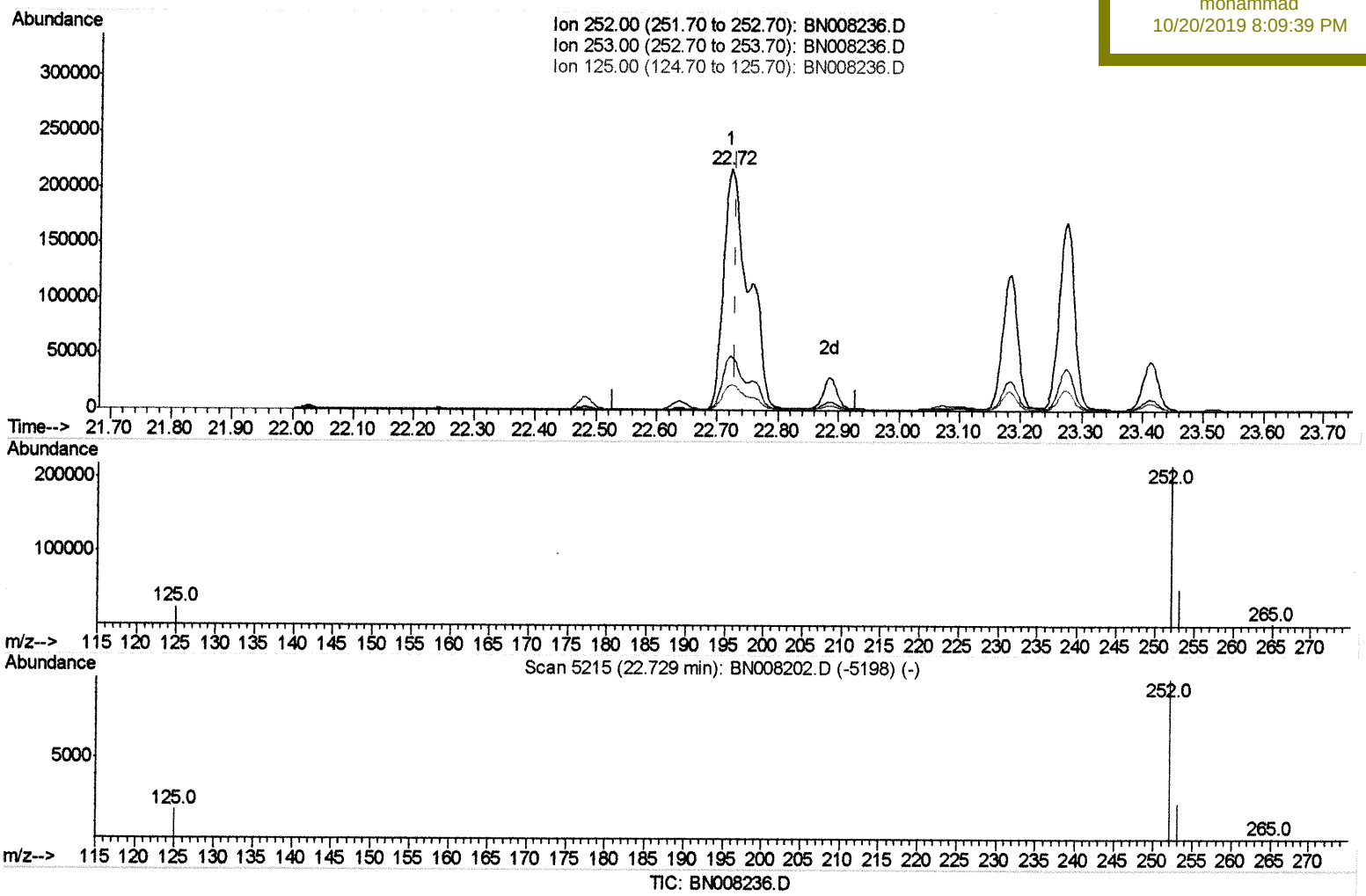
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008236.D
Acq On : 18 Oct 2019 00:10
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 03:58:54 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 :
BEPC9

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:39 PM



TIC: BN008236.D

(21) Benzo(b)fluoranthene

22.720min (-0.009) 11.82ng/ul m

response 452970

JU 10/4/19

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	22.65
125.00	16.20	10.46
0.00	0.00	0.00

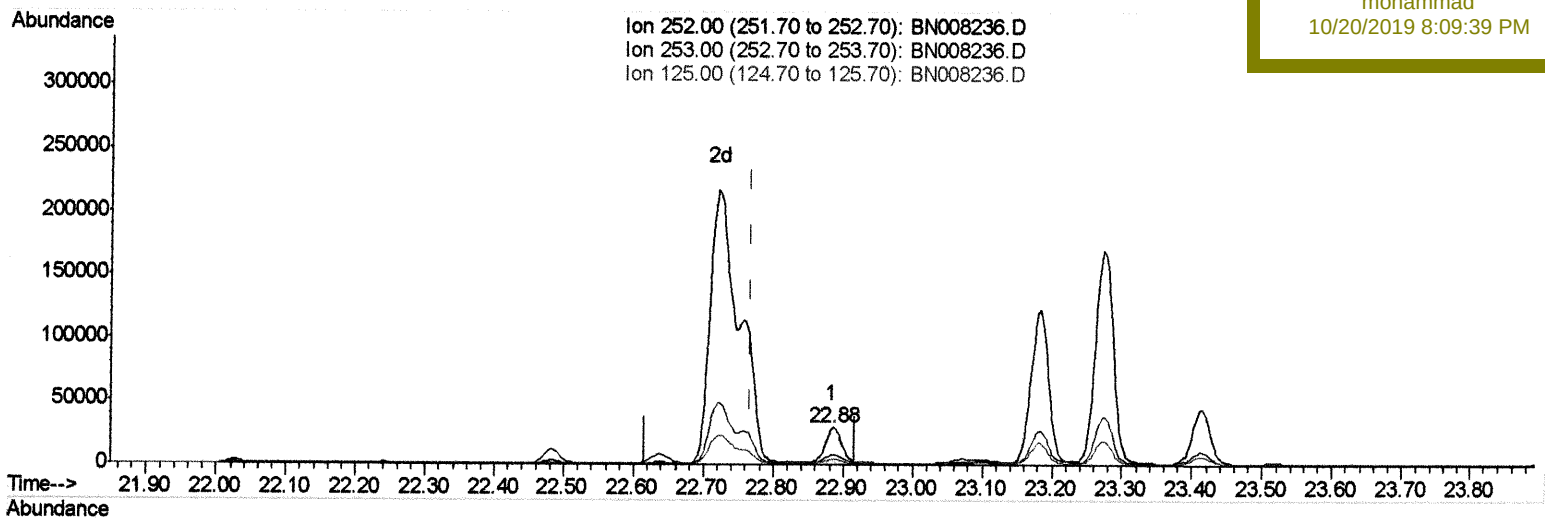
Quantitation Report (Qedit)

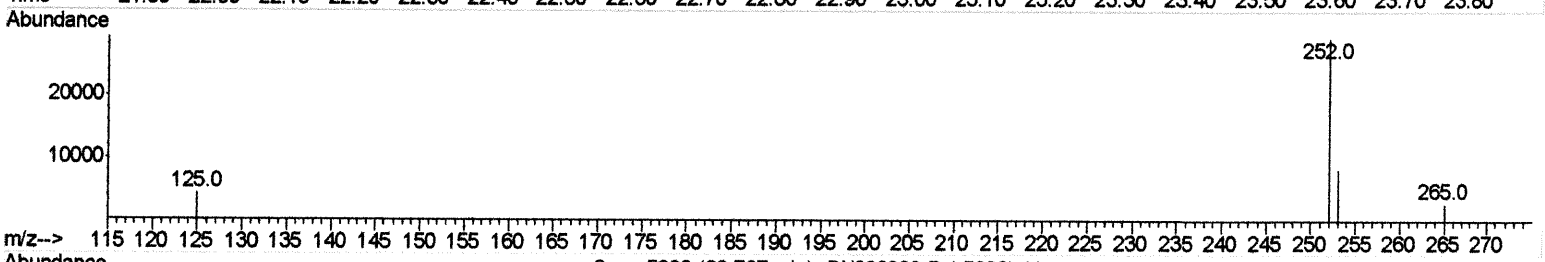
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008236.D
Acq On : 18 Oct 2019 00:10
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

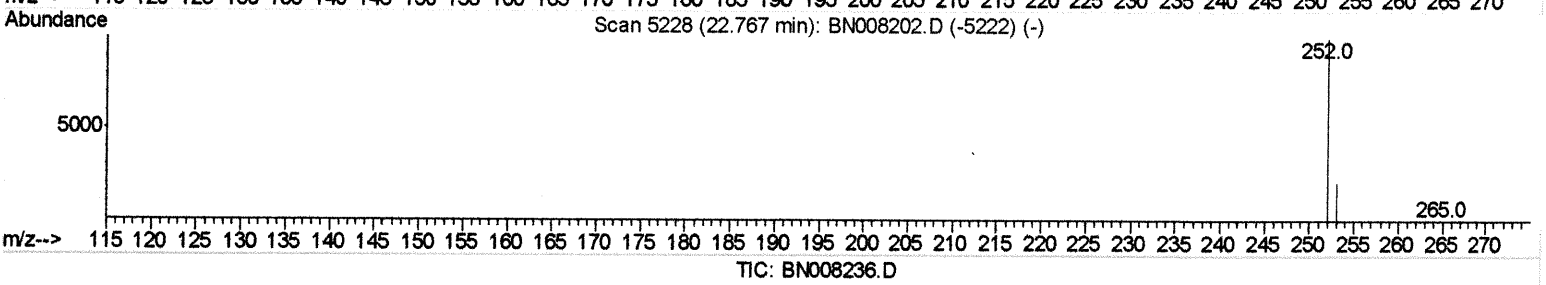
Quant Time: Oct 18 03:58:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPC9

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:39 PM







TIC: BN008236.D

(22) Benzo(k)fluoranthene

22.884min (+0.117) 0.80ng/ul

response 34927

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.33
125.00	15.40	14.88
0.00	0.00	0.00

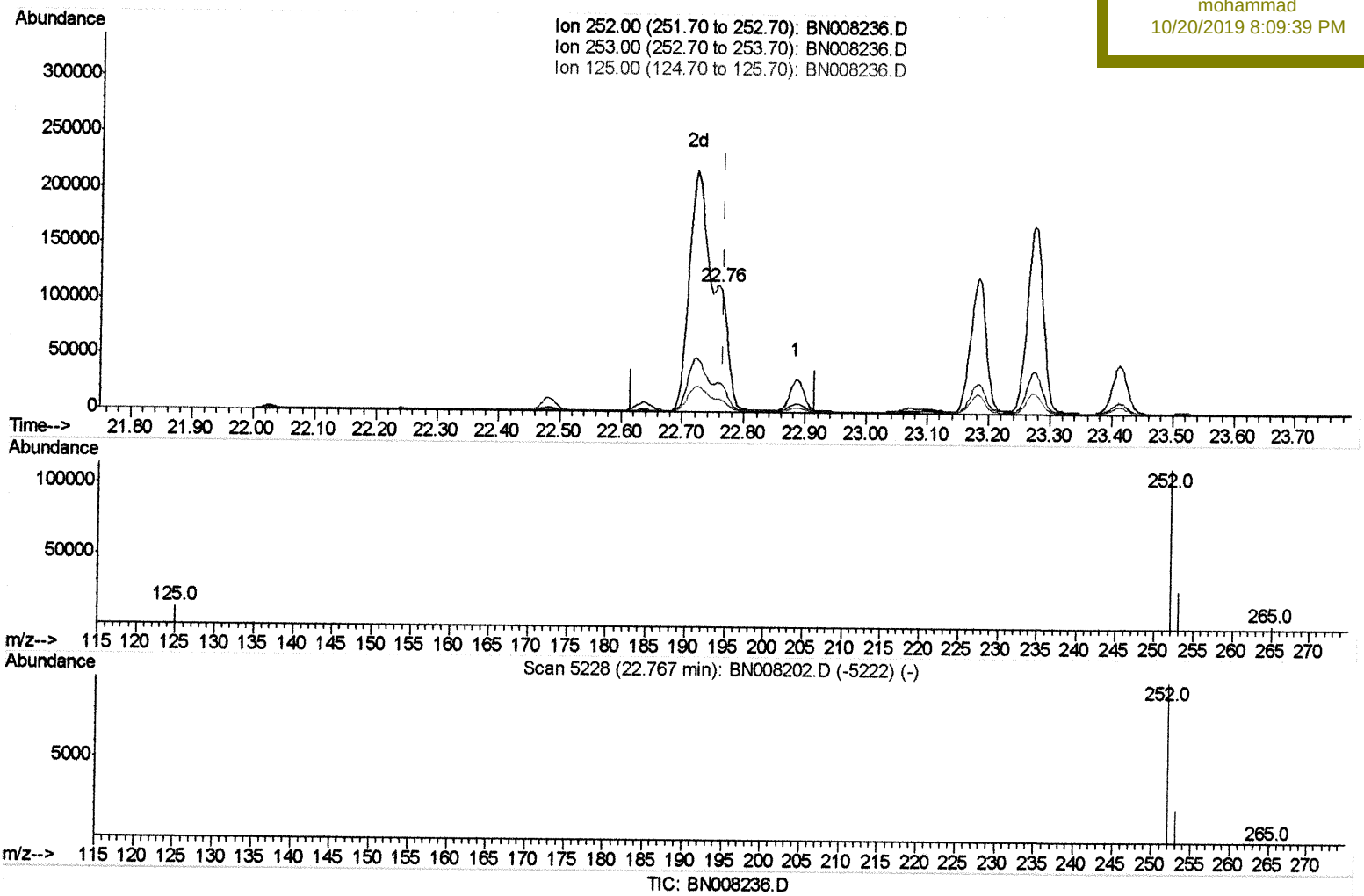
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008236.D
Acq On : 18 Oct 2019 00:10
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Oct 18 03:58:54 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 :
BEPC9

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:39 PM



TIC: BN008236.D

(22) Benzo(k)fluoranthene

22.758min (-0.009) 3.40ng/ul m

response 147410

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.37
125.00	15.40	10.68#
0.00	0.00	0.00

JU 10/4/19

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008236.D
Acq On : 18 Oct 2019 00:10
Operator : JU
Sample : K5177-22
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPC9

Manual Integrations APPROVED
mohammad
10/20/2019 8:09:39 PM

Quant Time: Oct 18 04:00:02 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2945	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	14161	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8624	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	18731m	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	14041	0.40	ng/ul	0.00
20) Perylene-d12	23.36	264	11769	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	3293	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	9378	0.14	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.42	128	2124	0.053	ng/ul#	90
5) 2-Methylnaphthalene	12.04	142	1456	0.053	ng/ul	99
7) Acenaphthylene	13.95	152	2654	0.065	ng/ul#	93
8) Acenaphthene	14.30	153	22025	0.690	ng/ul	99
9) Fluorene	15.29	166	28451	0.784	ng/ul	98
12) Phenanthrene	17.03	178	769605	14.034	ng/ul	98
13) Anthracene	17.12	178	109498	2.269	ng/ul	98
15) Fluoranthene	19.06	202	1480320	20.438	ng/ul	100
17) Pyrene	19.42	202	1124884	20.121	ng/ul	99
18) Benzo(a)anthracene	21.17	228	430685	8.437	ng/ul	99
19) Chrysene	21.22	228	445745	7.115	ng/ul	98
21) Benzo(b)fluoranthene	22.72	252	452970m	11.823	ng/ul	
22) Benzo(k)fluoranthene	22.76	252	147410m	3.397	ng/ul	
23) Benzo(a)pyrene	23.27	252	299289	7.424	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.53	276	208774	4.397	ng/ul	99
25) Dibenzo(a,h)anthracene	25.54	278	44790	1.193	ng/ul	96
26) Benzo(g,h,i)perylene	26.19	276	195004	4.479	ng/ul	98

JU 10/21/19

JU 10/21/19

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