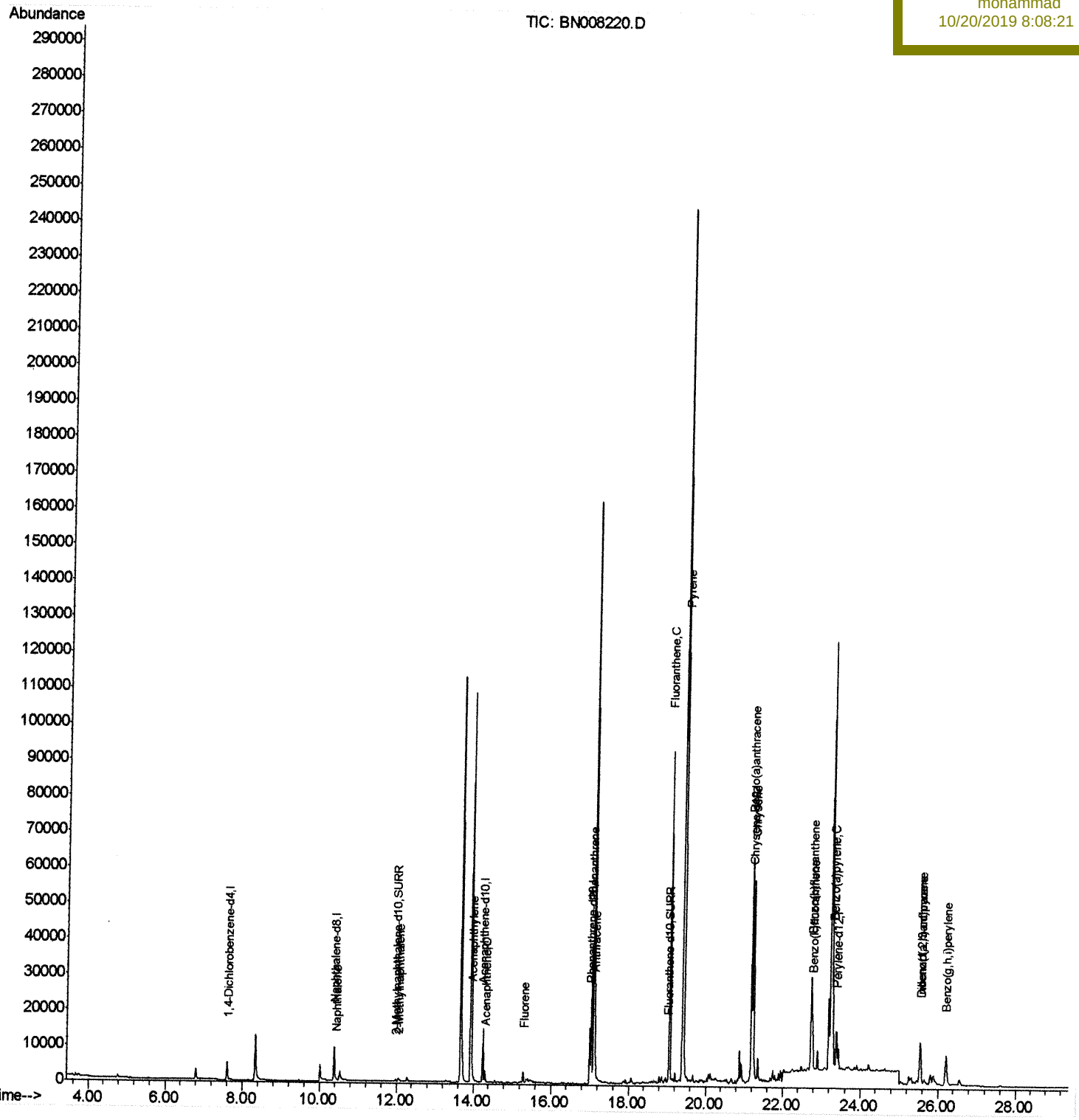
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008220.D
Acq On : 17 Oct 2019 13:47
Operator : JU
Sample : K5175-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 18 02:39:38 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 :
BEPF7DL

Manual Integrations APPROVED
mohammad
10/20/2019 8:08:21 PM



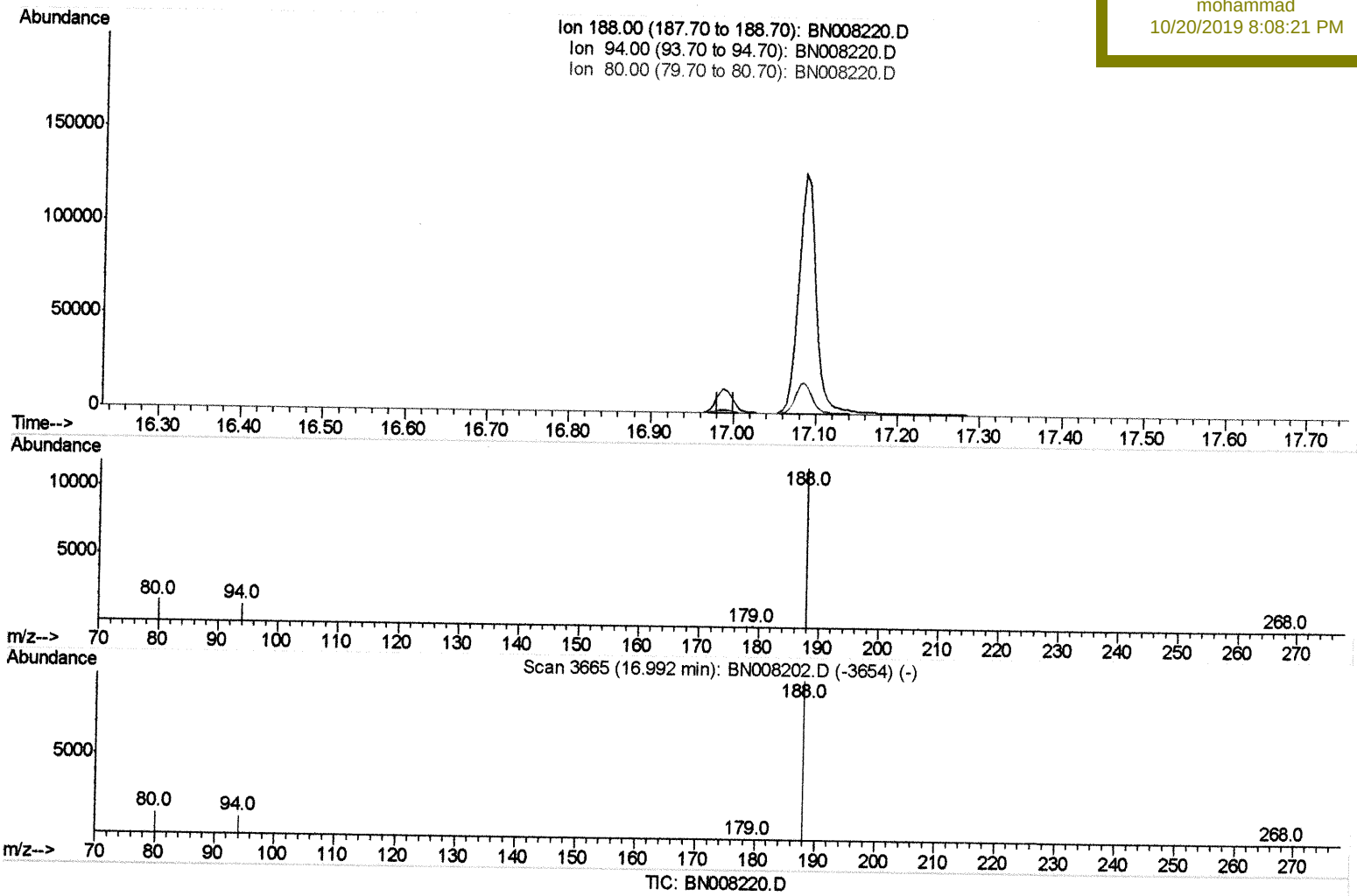
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008220.D
Acq On : 17 Oct 2019 13:47
Operator : JU
Sample : K5175-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 18 01:58:38 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 :
BEPF7DL

Manual Integrations APPROVED
mohammad
10/20/2019 8:08:21 PM



Scan 3665 (16.992 min): BN008202.D (-3654) (-)

TIC: BN008220.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

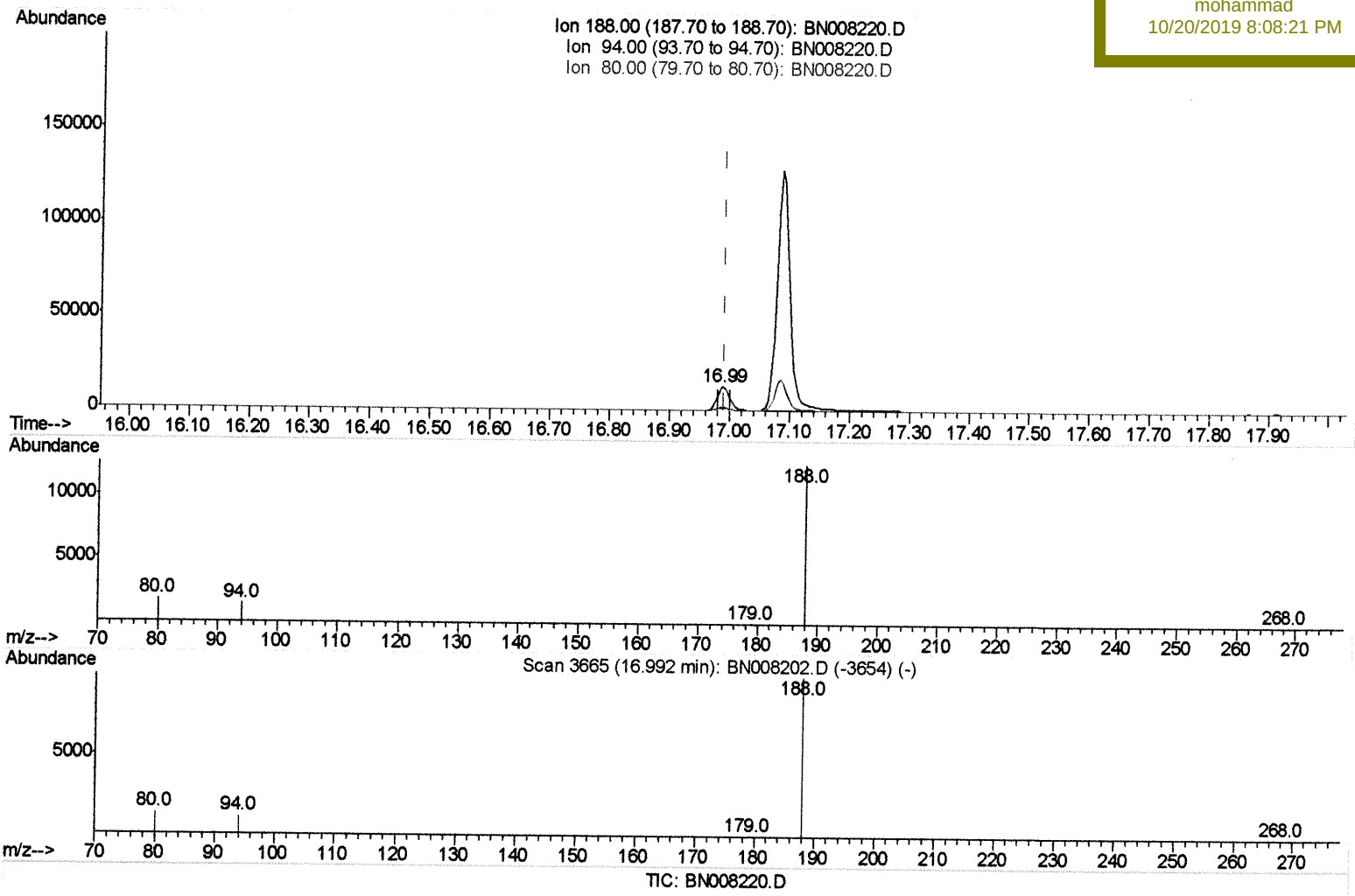
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008220.D
Acq On : 17 Oct 2019 13:47
Operator : JU
Sample : K5175-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 18 01:58:38 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 :
BEPF7DL

Manual Integrations APPROVED
mohammad
10/20/2019 8:08:21 PM



(10) Phenanthrene-d10 (I)

16.987min (-0.004) 0.40ng/ul m

JU 10/21/19

response 18363

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.74
80.00	12.60	14.41
0.00	0.00	0.00

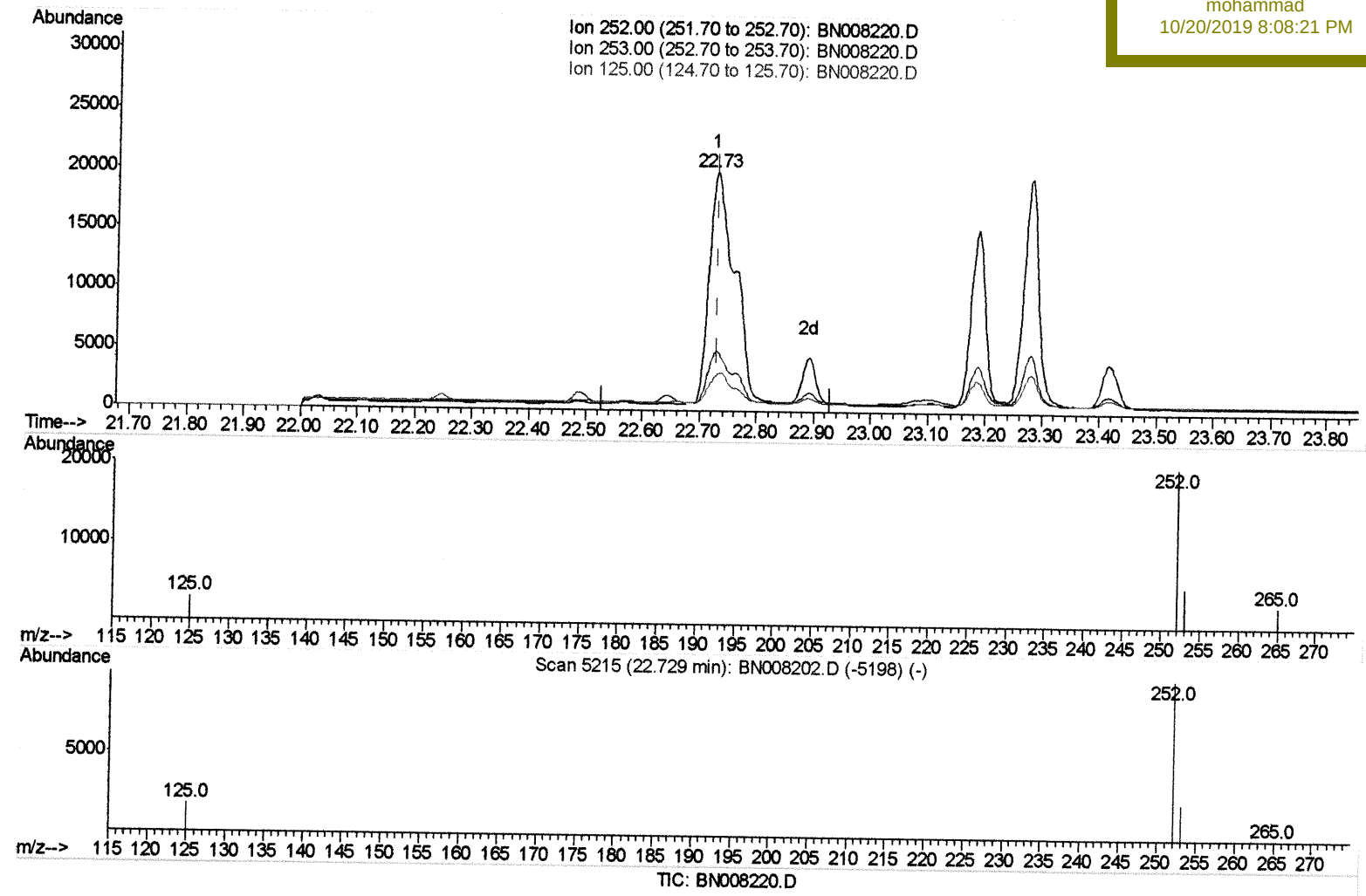
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008220.D
Acq On : 17 Oct 2019 13:47
Operator : JU
Sample : K5175-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 18 02:38:37 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 :
BEPF7DL

Manual Integrations APPROVED
mohammad
10/20/2019 8:08:21 PM



Scan 5215 (22.729 min): BN008202.D (-5198) (-)

TIC: BN008220.D

(21) Benzo(b)fluoranthene

22.726min (-0.003) 1.60ng/ul

response 61100

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	24.98
125.00	16.20	15.02
0.00	0.00	0.00

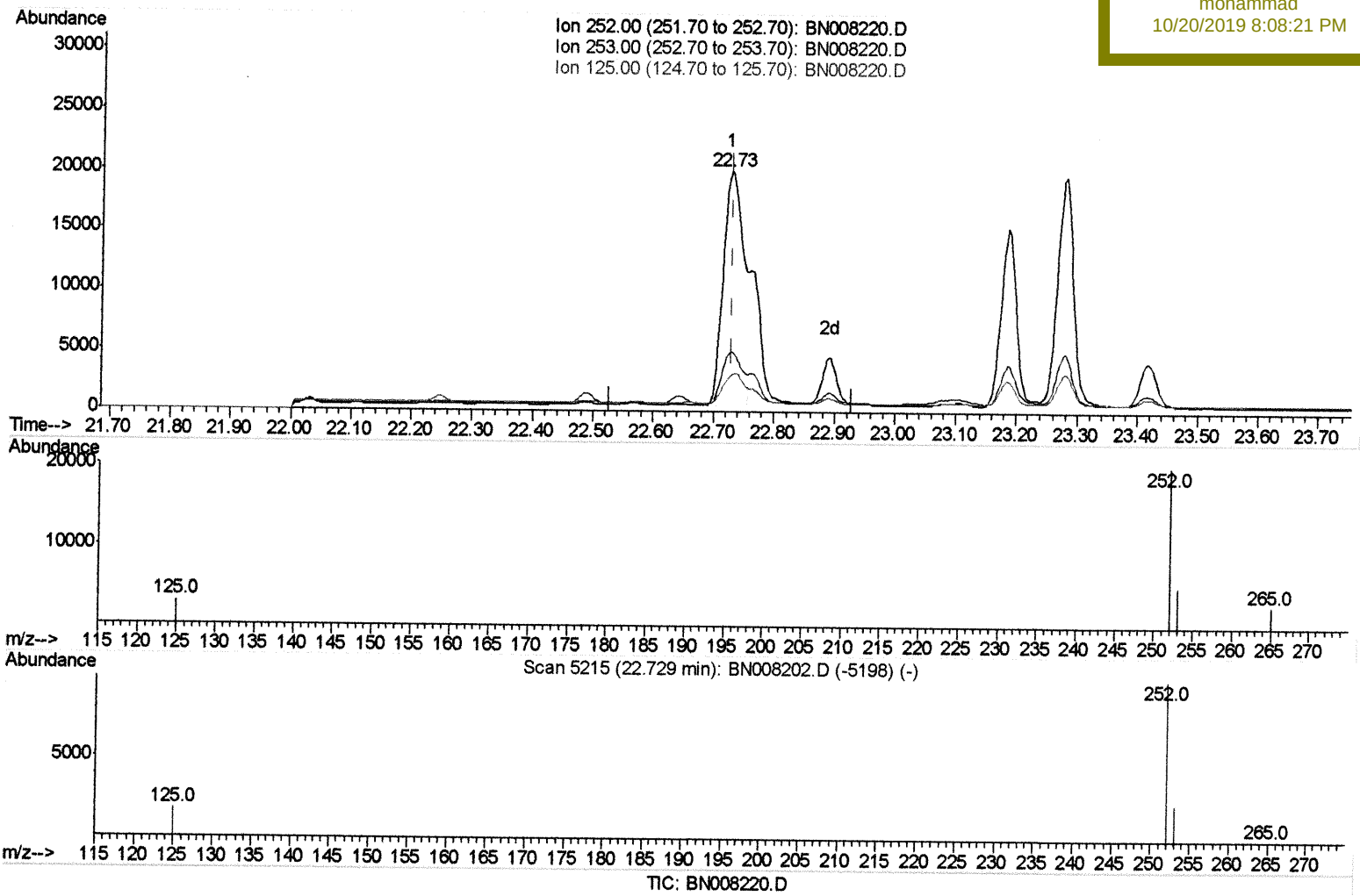
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008220.D
Acq On : 17 Oct 2019 13:47
Operator : JU
Sample : K5175-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 18 02:38:37 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 :
BEPF7DL

Manual Integrations APPROVED
mohammad
10/20/2019 8:08:21 PM



Scan 5215 (22.729 min): BN008202.D (-5198) (-)

TIC: BN008220.D

(21) Benzo(b)fluoranthene

22.726min (-0.003) 1.20ng/ul m

response 45818

JU 10/21/19

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	24.98
125.00	16.20	15.02
0.00	0.00	0.00

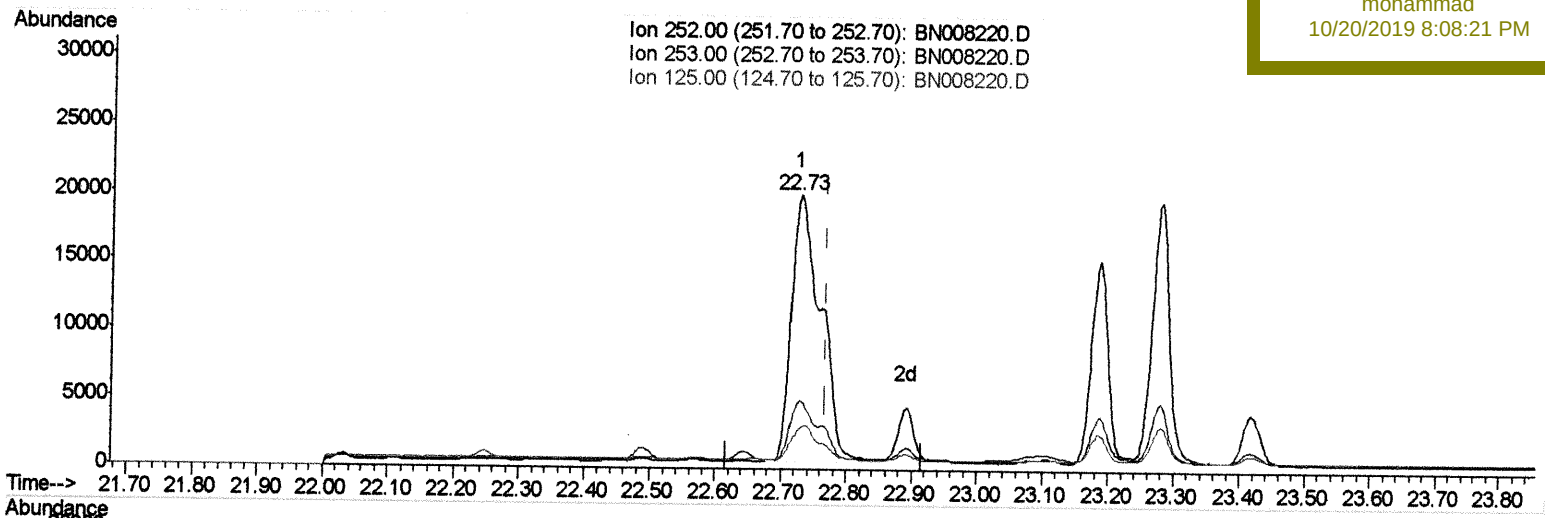
Quantitation Report (Qedit)

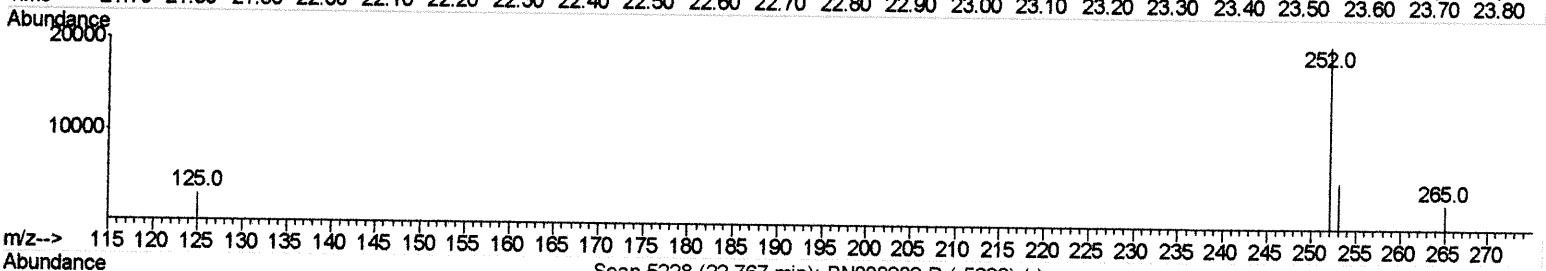
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008220.D
Acq On : 17 Oct 2019 13:47
Operator : JU
Sample : K5175-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

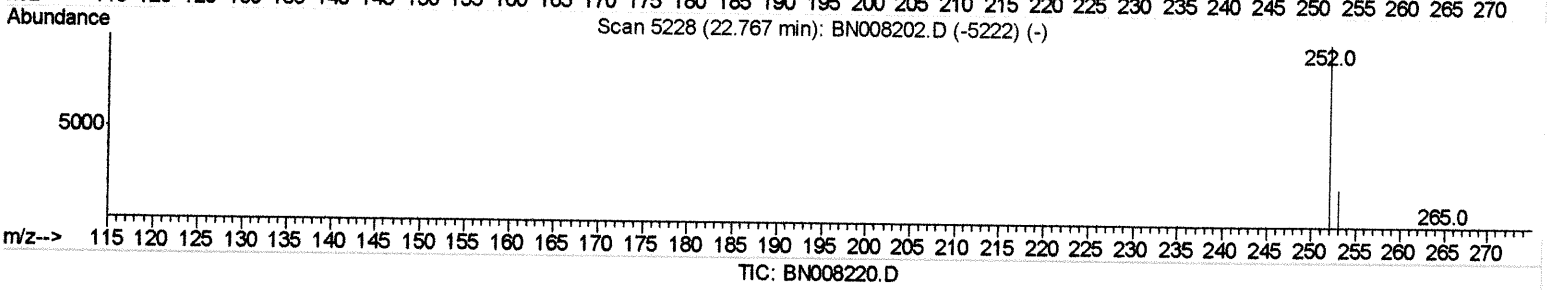
Quant Time: Oct 18 02:38:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF7DL

Manual Integrations APPROVED
mohammad
10/20/2019 8:08:21 PM







TIC: BN008220.D

(22) Benzo(k)fluoranthene

22.726min (-0.041) 1.42ng/ul

response 61100

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.98
125.00	15.40	15.02
0.00	0.00	0.00

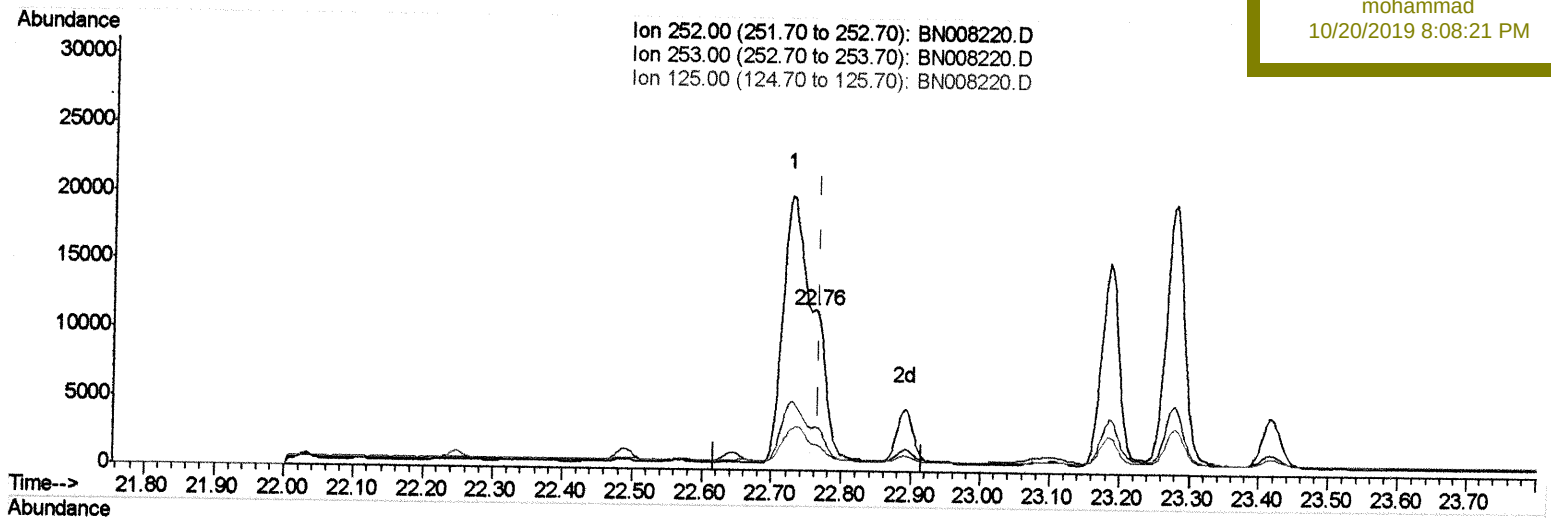
Quantitation Report (Qedit)

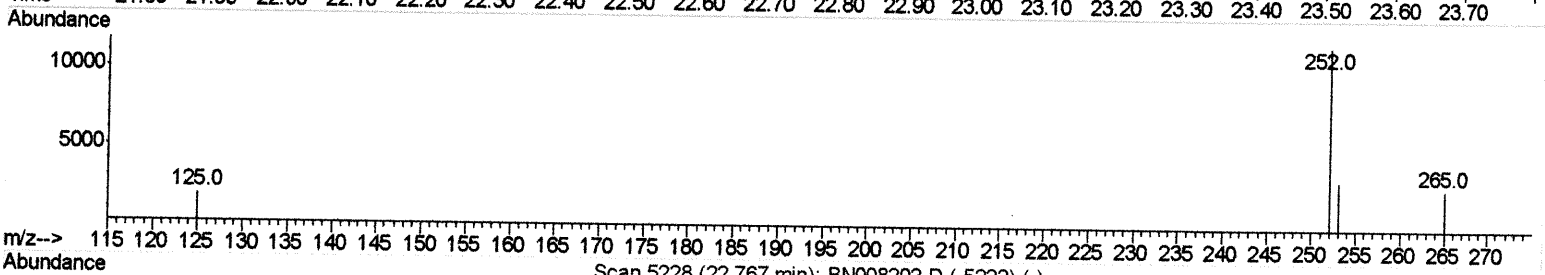
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008220.D
Acq On : 17 Oct 2019 13:47
Operator : JU
Sample : K5175-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

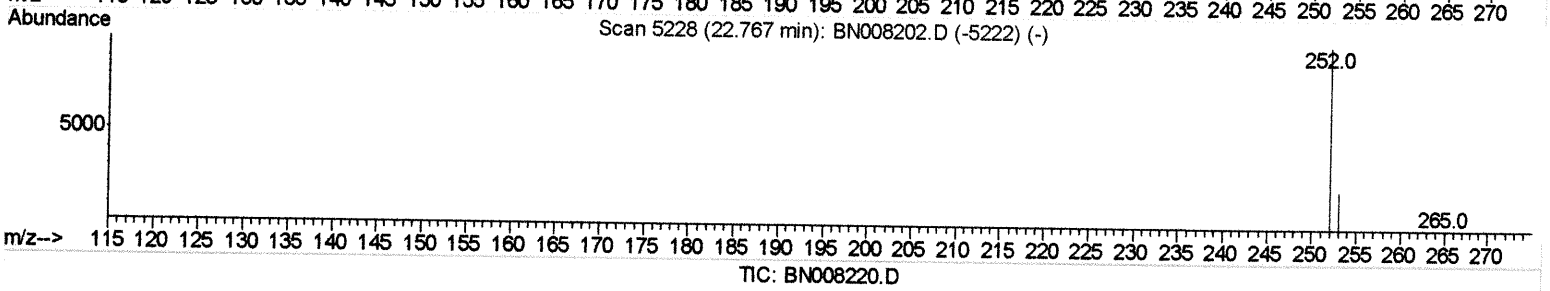
Quant Time: Oct 18 02:38:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 17 01:48:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF7DL

Manual Integrations APPROVED
mohammad
10/20/2019 8:08:21 PM







TIC: BN008220.D

(22) Benzo(k)fluoranthene

22.761min (-0.006) 0.30ng/ul m

response 13134

JU 10/21/19

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.21
125.00	15.40	16.28
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101719\
Data File : BN008220.D
Acq On : 17 Oct 2019 13:47
Operator : JU
Sample : K5175-10DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF7DL

Manual Integrations APPROVED
mohammad
10/20/2019 8:08:21 PM

Quant Time: Oct 18 02:39:38 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	7.61	152	2843	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	13662	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	8721	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	18363m	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	15638	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	11698	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	881	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.02	212	2777	0.04	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.42	128	1242	0.032	ng/ul#	85
5) 2-Methylnaphthalene	12.05	142	880	0.033	ng/ul	98
7) Acenaphthylene	13.96	152	2553	0.061	ng/ul#	91
8) Acenaphthene	14.30	153	1872	0.058	ng/ul	97
9) Fluorene	15.30	166	1859	0.051	ng/ul#	93
12) Phenanthrene	17.03	178	42672	0.794	ng/ul	99
13) Anthracene	17.12	178	7796	0.165	ng/ul	97
15) Fluoranthene	19.06	202	82814	1.166	ng/ul	100
17) Pyrene	19.42	202	100124	1.608	ng/ul	100
18) Benzo(a)anthracene	21.17	228	52729	0.927	ng/ul	97
19) Chrysene	21.23	228	57921	0.830	ng/ul	99
21) Benzo(b)fluoranthene	22.73	252	45818m	1.203	ng/ul	
22) Benzo(k)fluoranthene	22.76	252	13134m	0.304	ng/ul	
23) Benzo(a)pyrene	23.28	252	34931	0.872	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.54	276	19102	0.405	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.54	278	5014	0.134	ng/ul#	80
26) Benzo(g,h,i)perylene	26.19	276	17287	0.399	ng/ul	97

JU 10/21/19

JU 10/21/19

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