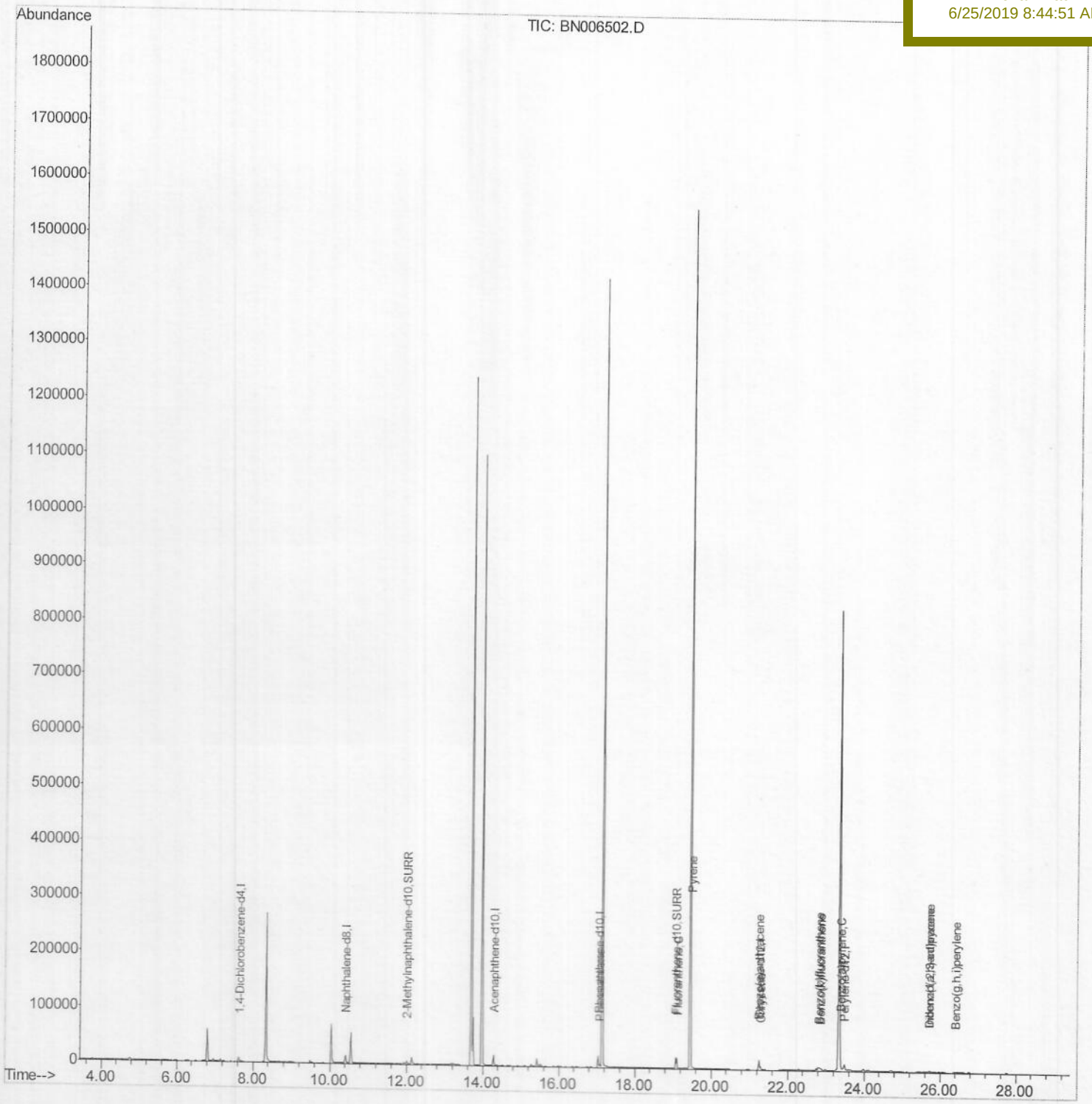
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:08:15 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



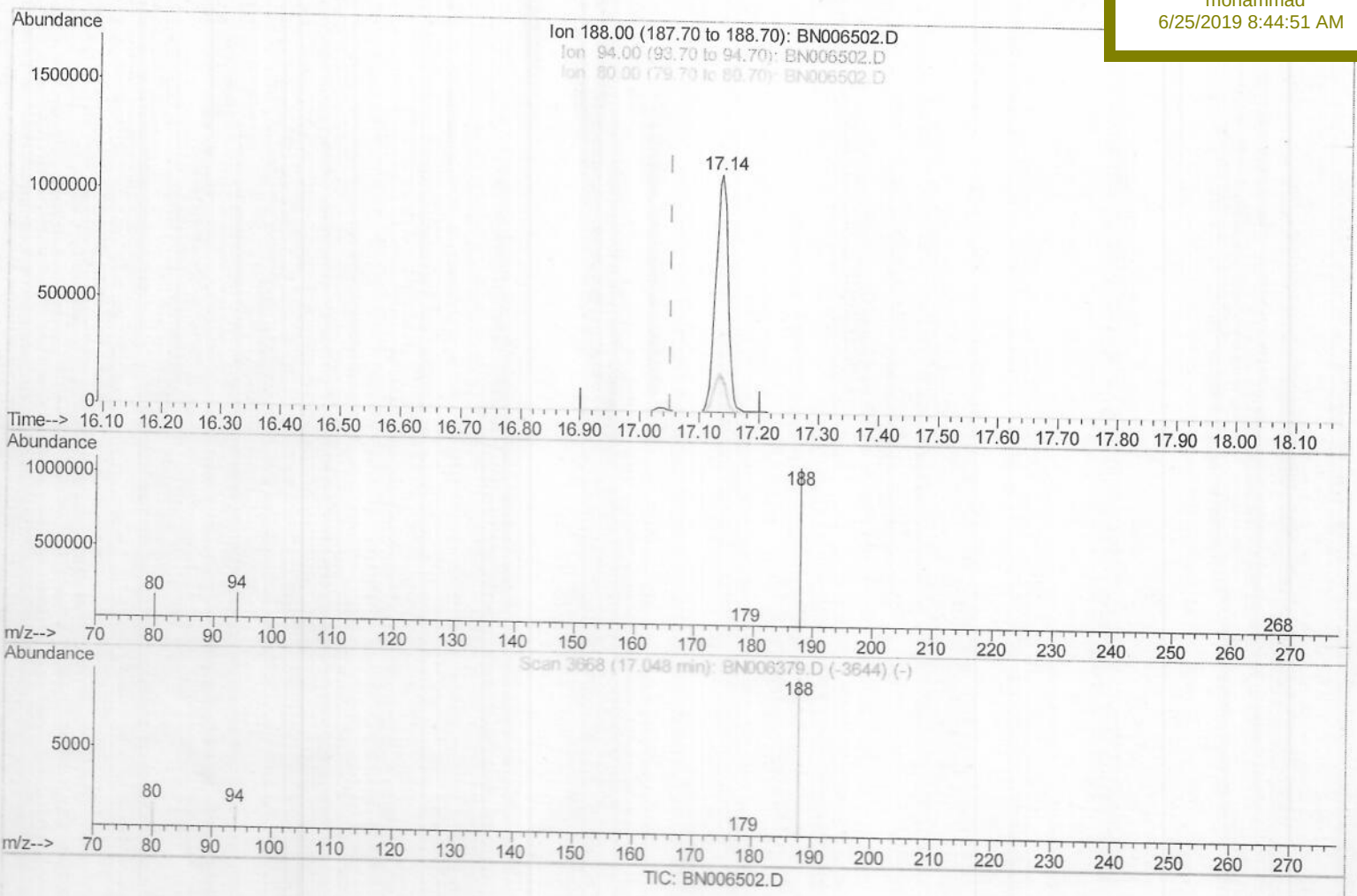
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:03:28 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



(10) Phenanthrene-d10 (I)

17.137min (+0.085) 0.40ng/ul

response 1577754

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.57
80.00	13.60	14.15
0.00	0.00	0.00

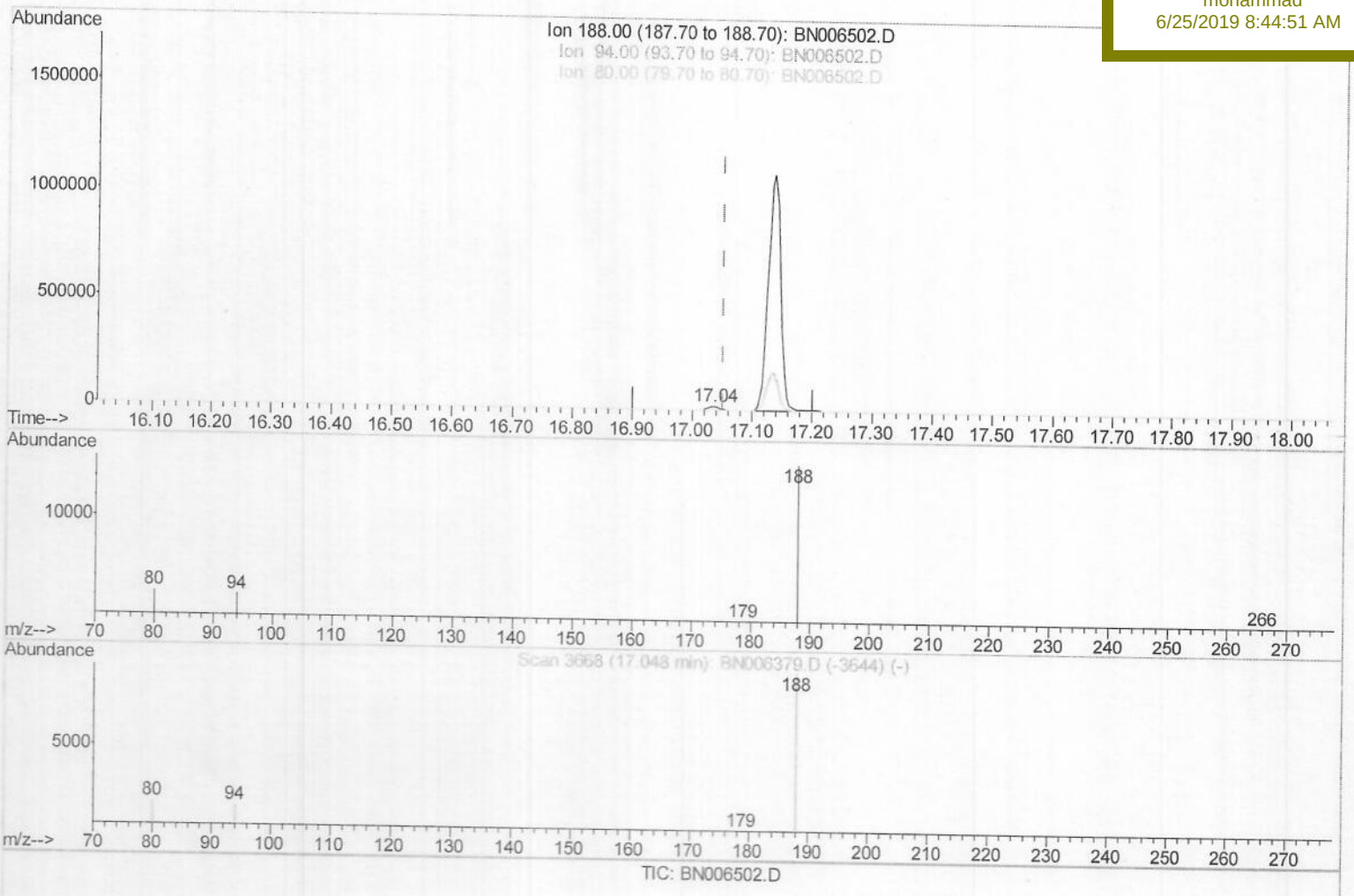
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:03:28 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



(10) Phenanthrene-d10 (I)

17.035min (-0.017) 0.40ng/ul m > JU 06|26|19

response 22146

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.91
80.00	13.60	15.37
0.00	0.00	0.00

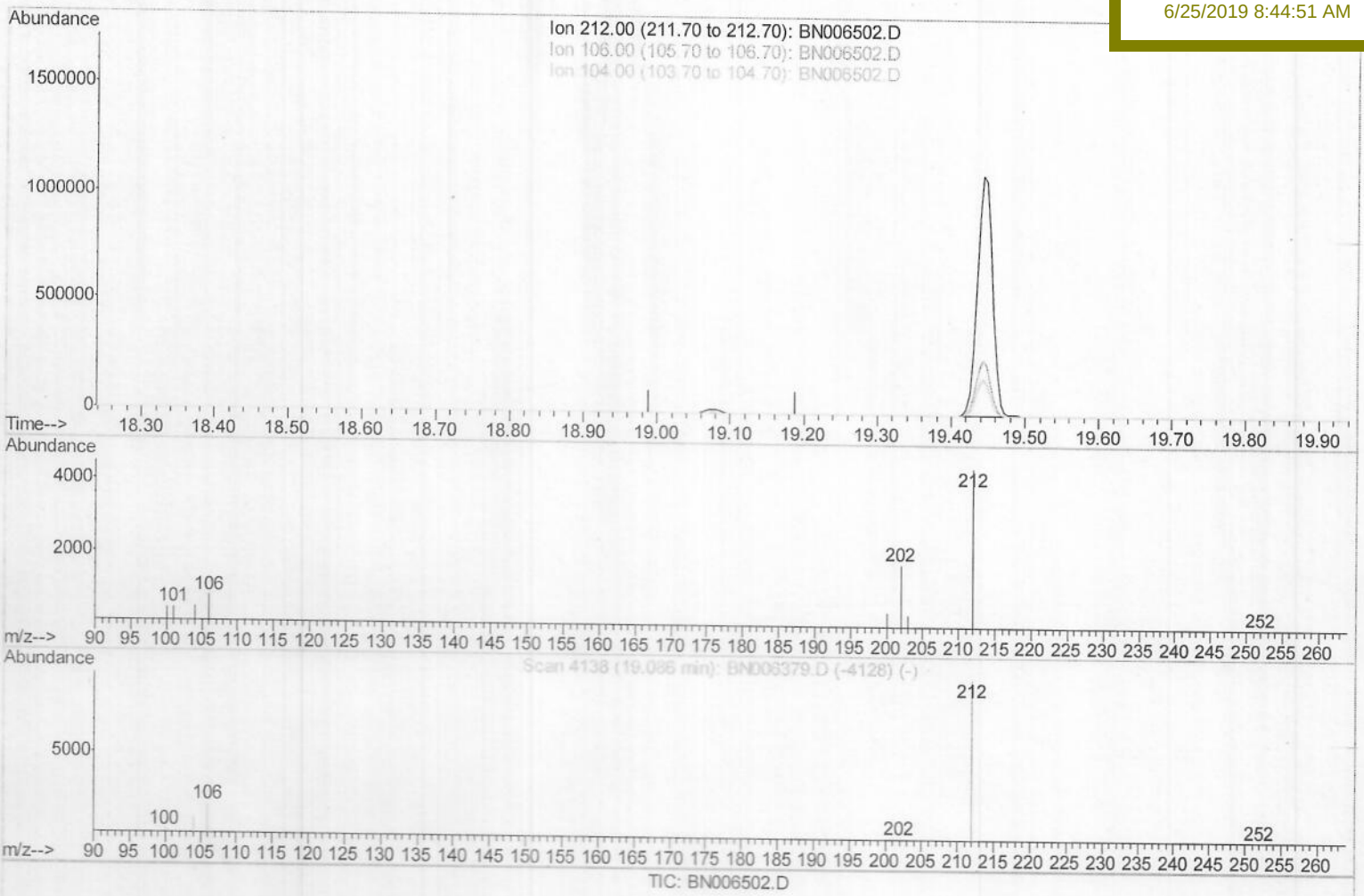
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:03:57 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



(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

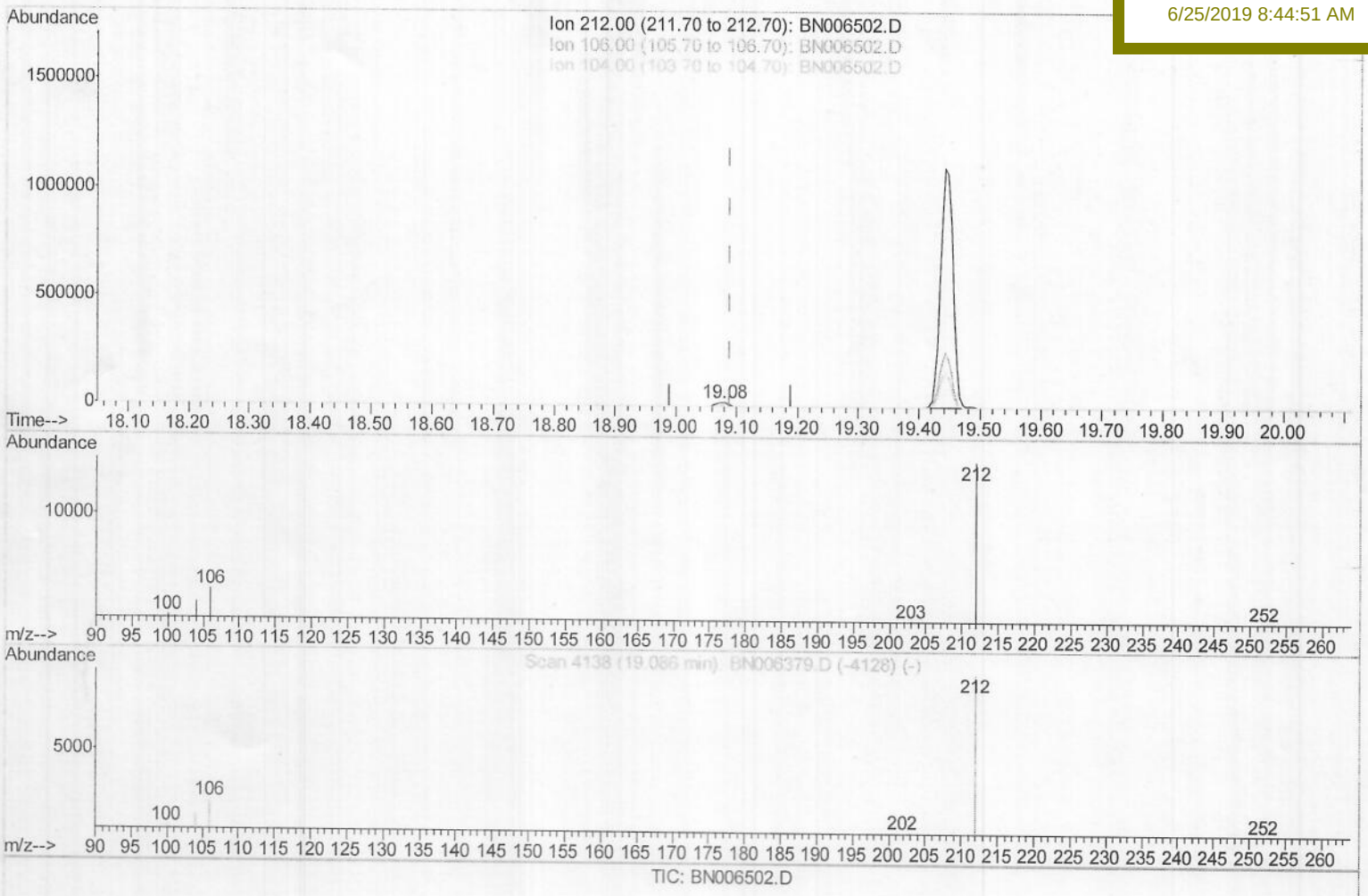
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:03:57 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(14) Fluoranthene-d10 (SURR)

19.076min (-0.014) 0.34ng/ul m > JU 06/26/19

response 20143

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

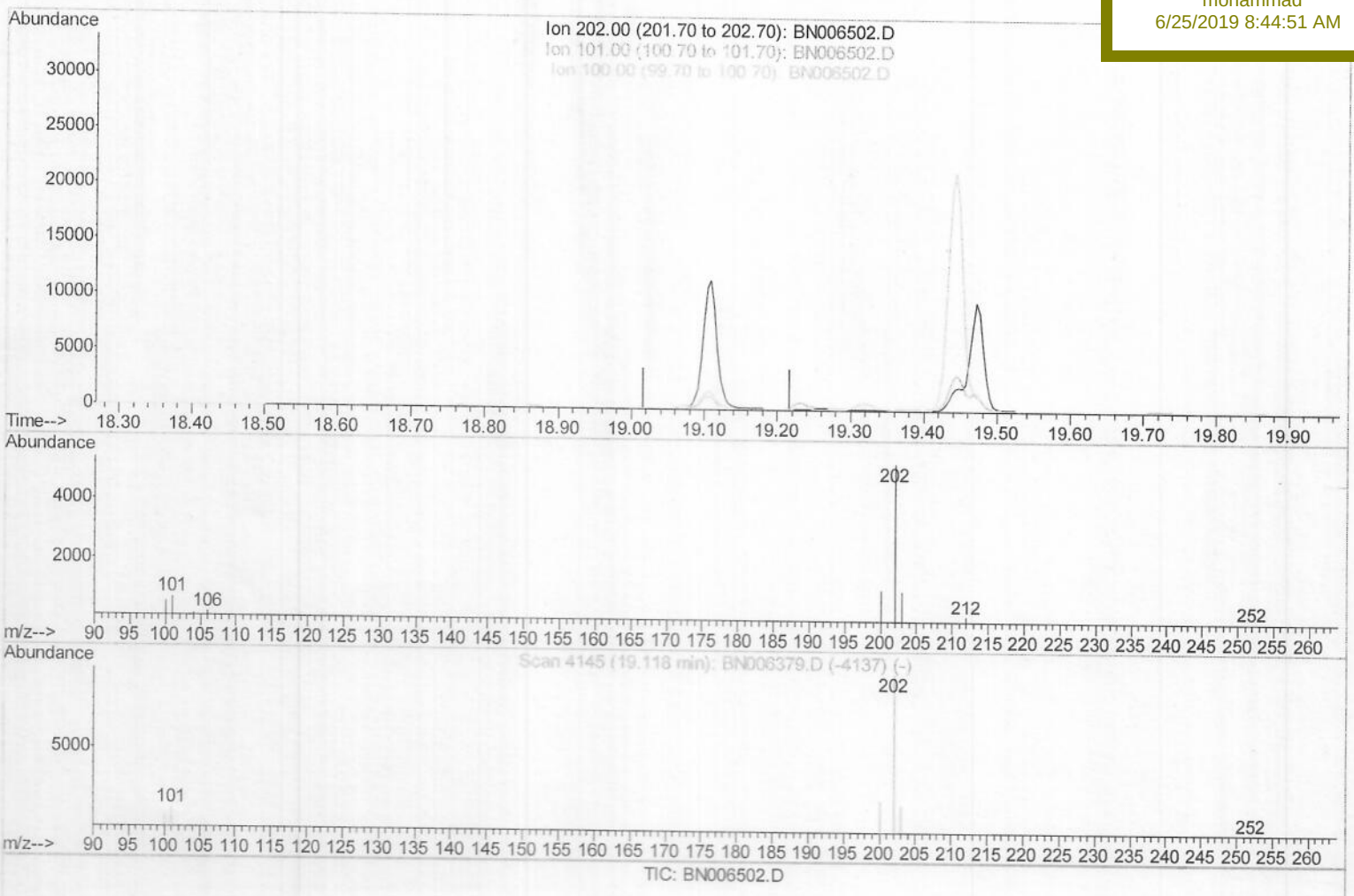
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:03:57 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(15) Fluoranthene (C)

19.118min (-19.118) 0.00ng/ul

response 0

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

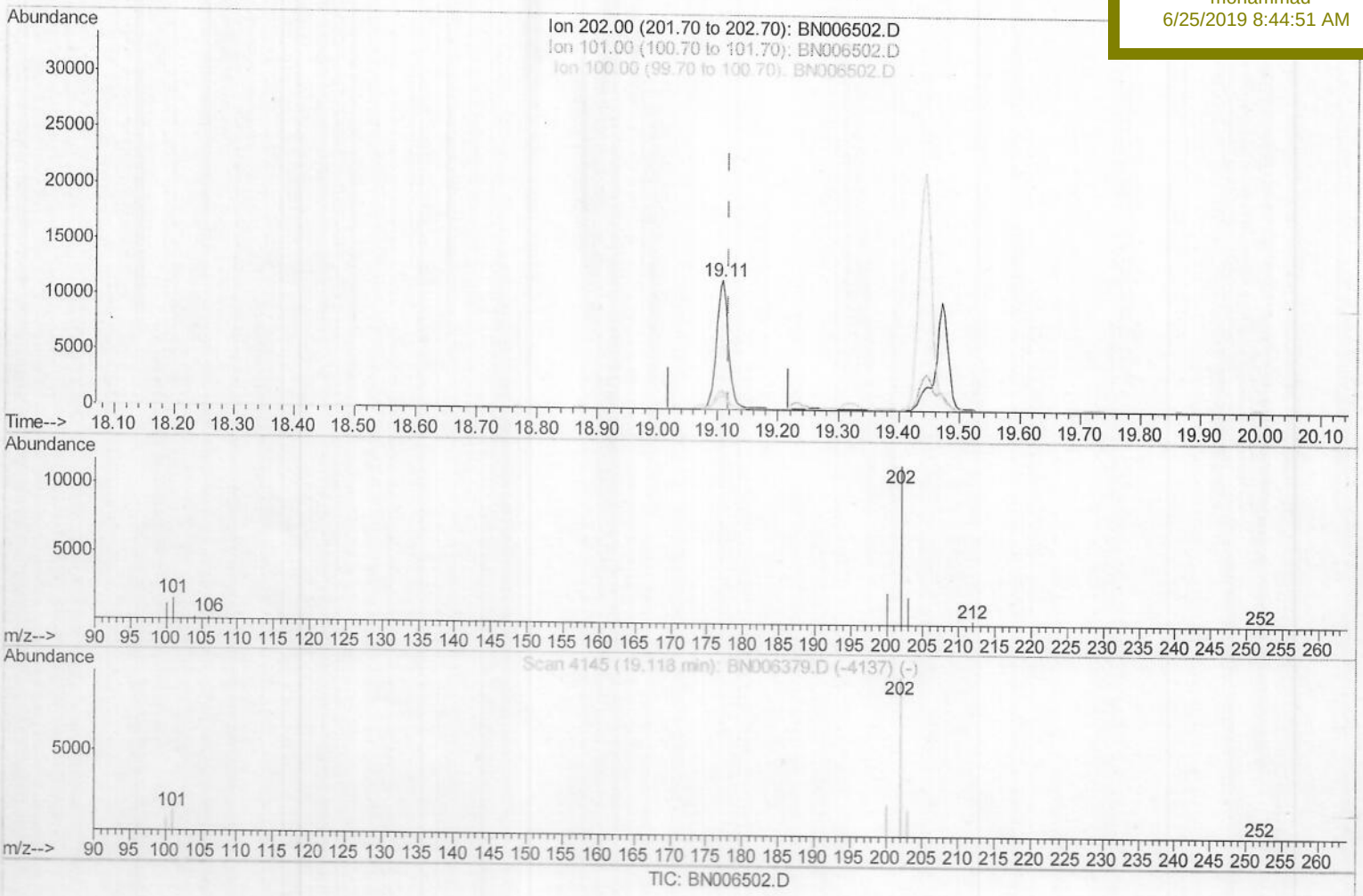
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:03:57 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(15) Fluoranthene (C)

19.109min (-0.009) 0.20ng/ul m > JU 06|26|19

response 16041

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.67
100.00	8.70	9.84
0.00	0.00	0.00

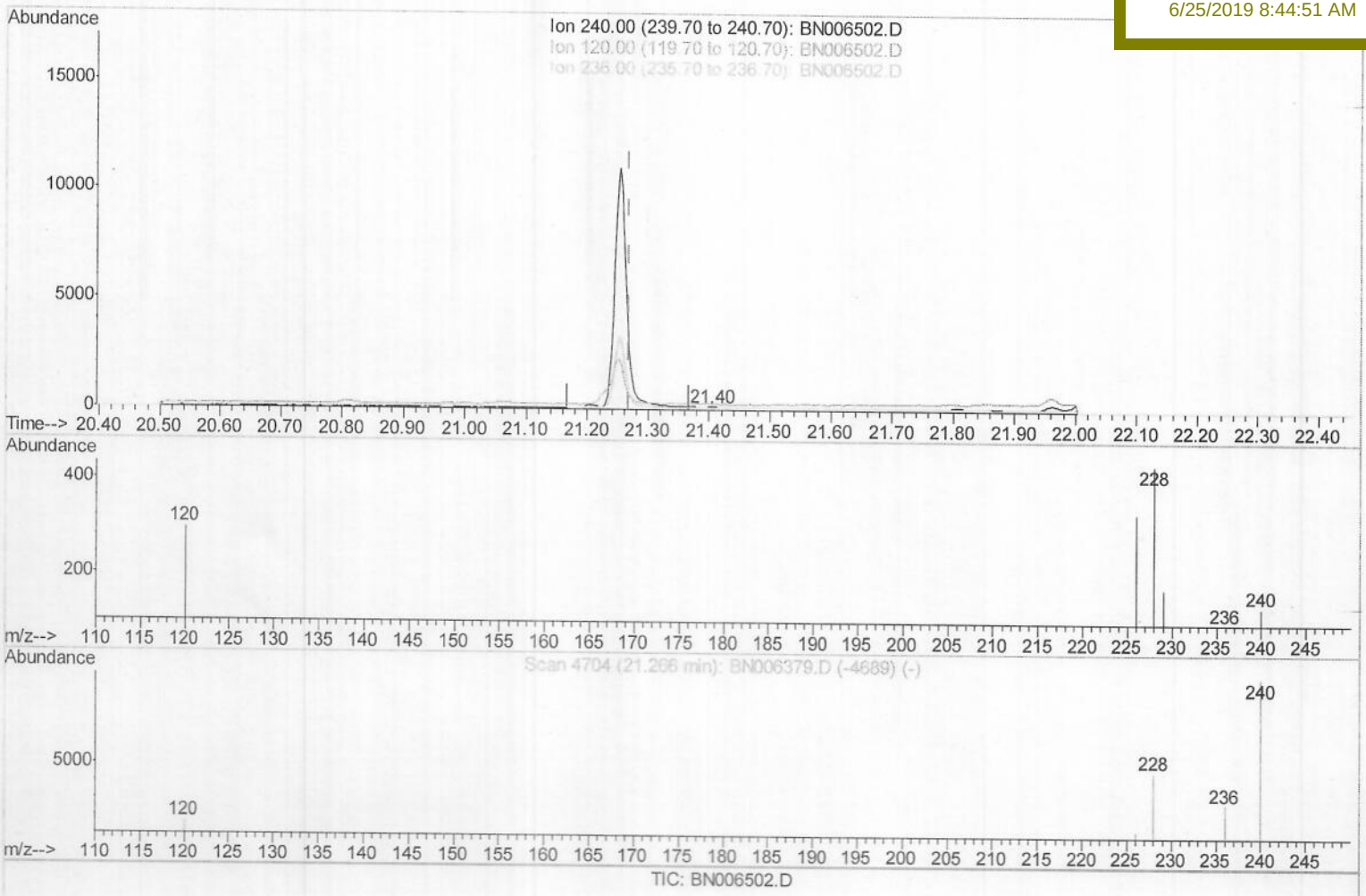
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:03:57 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



(16) Chrysene-d12 (I)

21.403min (+0.134) 0.40ng/ul

response 51

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	223.48#
236.00	30.10	73.48#
0.00	0.00	0.00

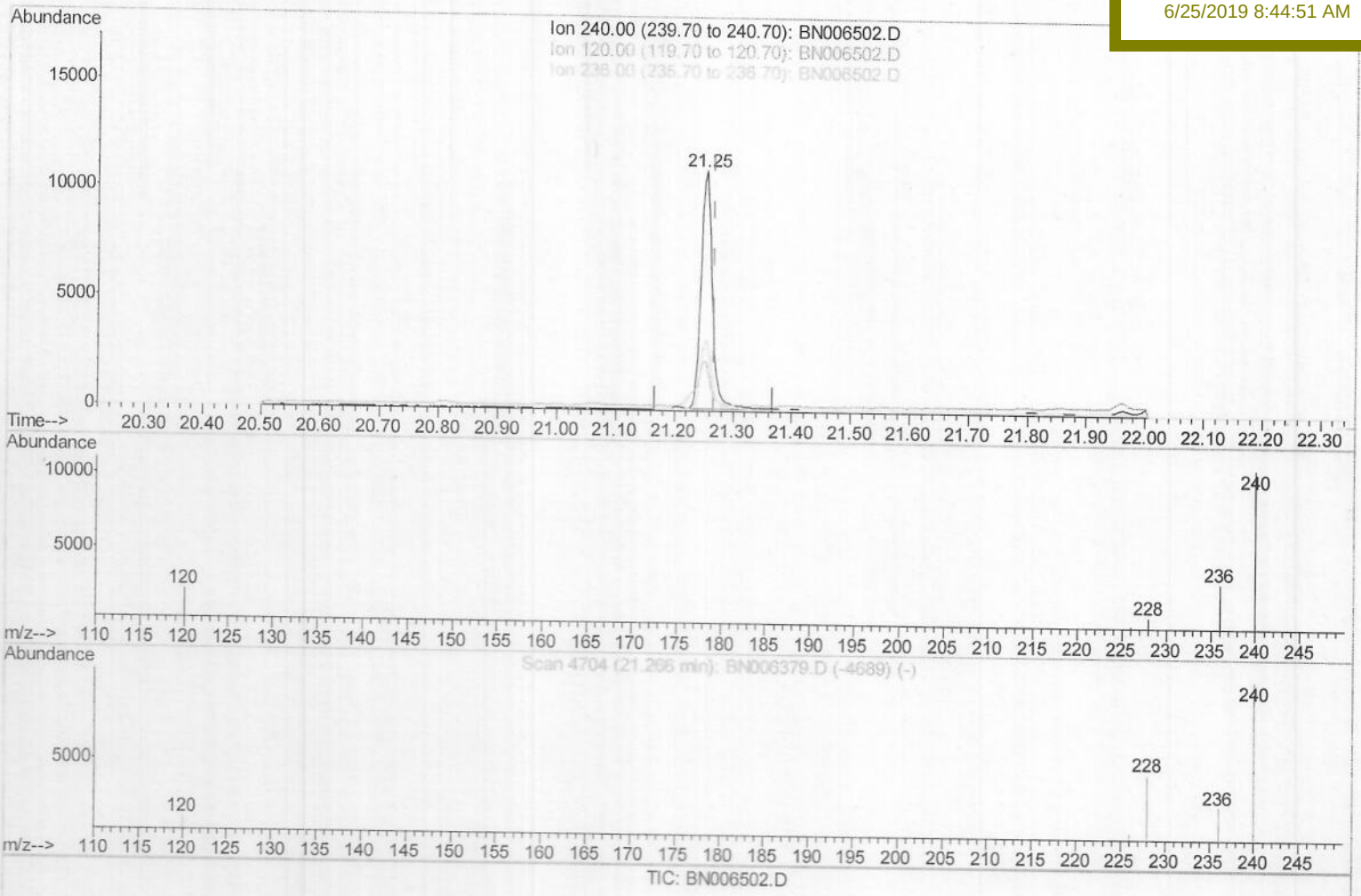
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:03:57 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



(16) Chrysene-d12 (I)

21.254min (-0.015) 0.40ng/ul m > JU 06/26/19

response 14712

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	19.93
236.00	30.10	29.80
0.00	0.00	0.00

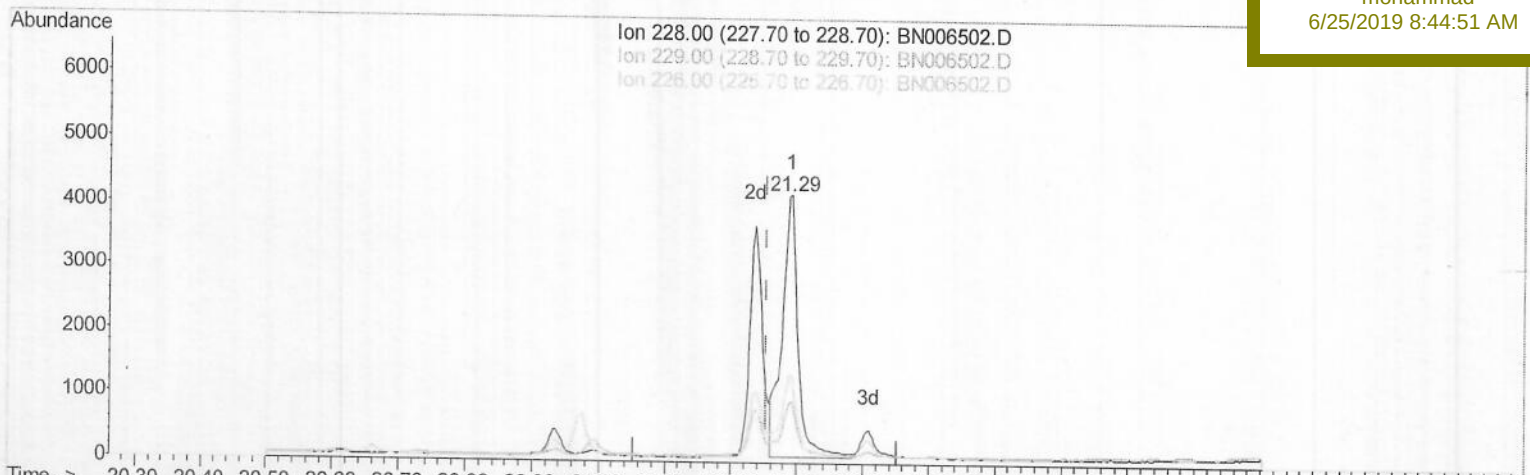
Quantitation Report (Qedit)

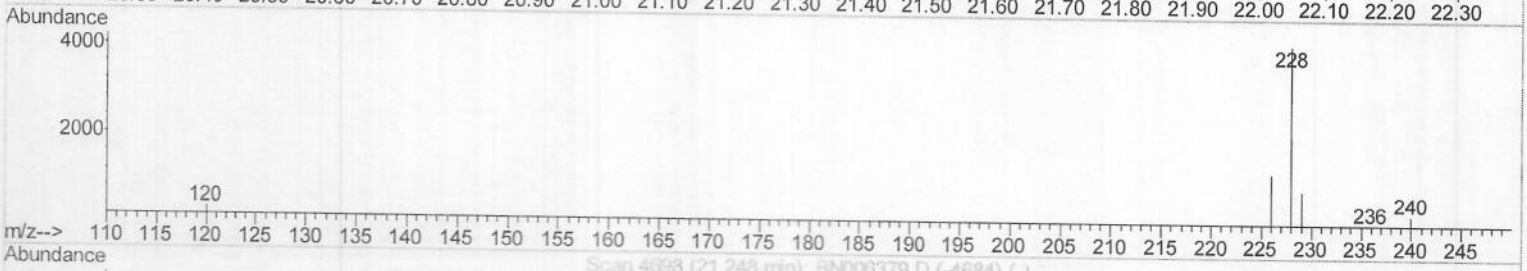
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

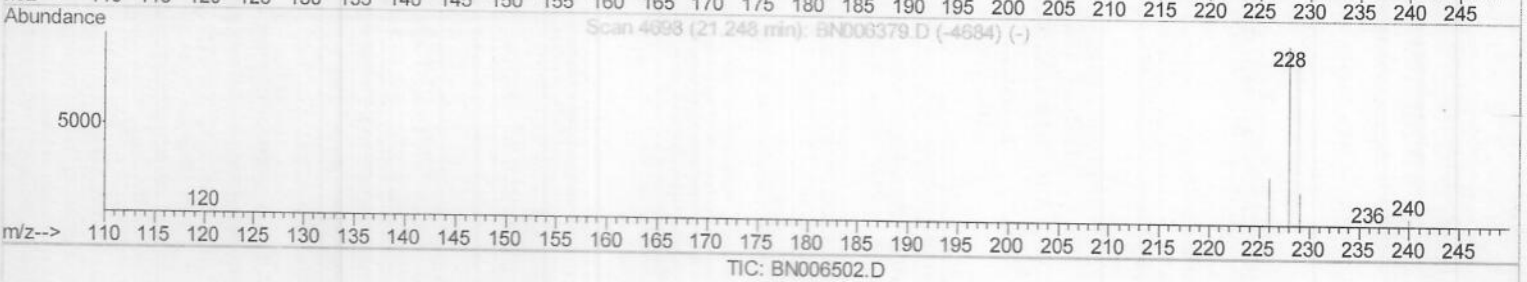
Quant Time: Jun 24 09:06:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM







TIC: BN006502.D

(18) Benzo(a)anthracene

21.292min (+0.038) 0.11ng/ul

response 6865

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	22.72
226.00	28.50	31.64
0.00	0.00	0.00

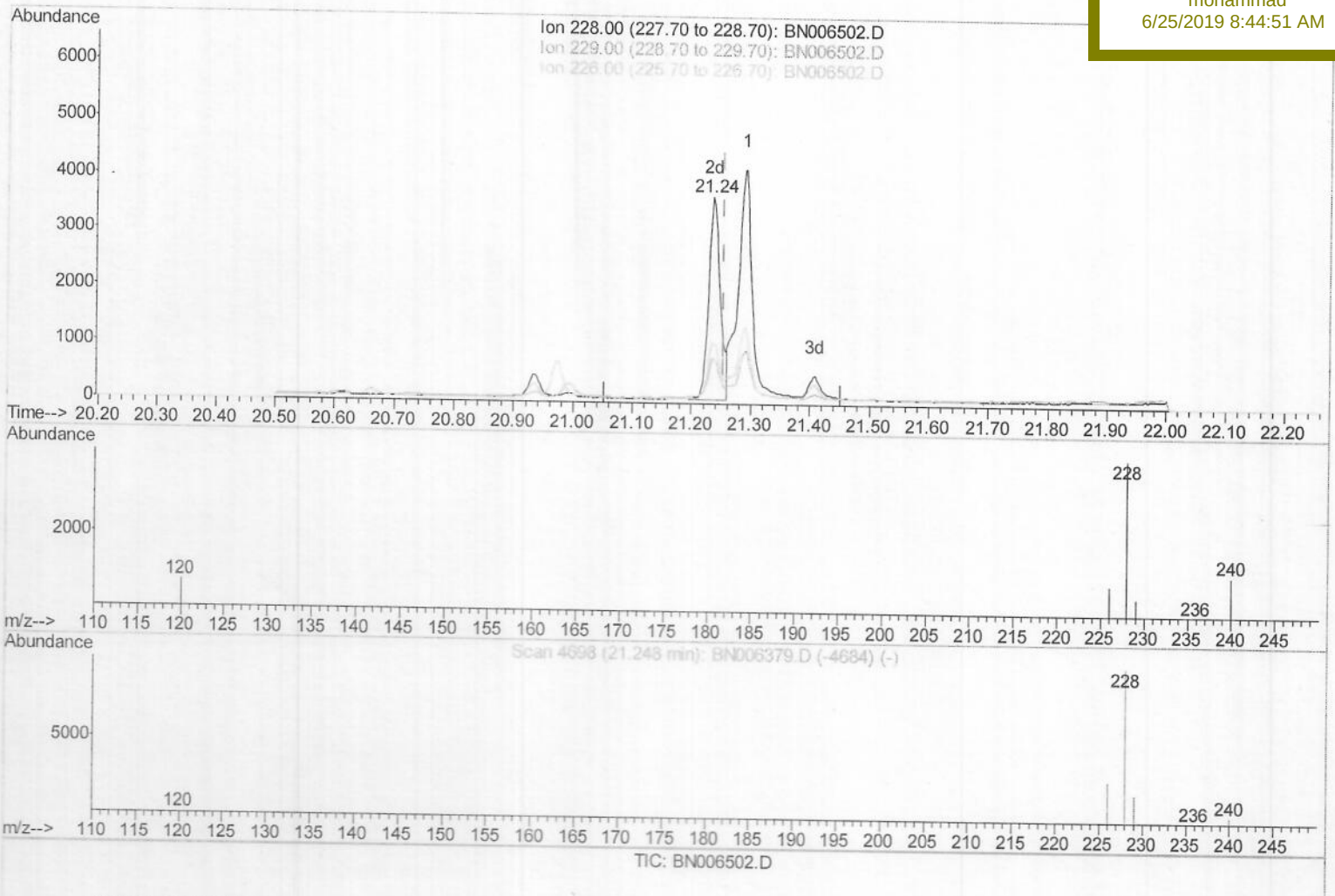
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:06:27 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



(18) Benzo(a)anthracene

21.236min (-0.017) 0.08ng/ul m > JU 06/26/19

response 4894

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	22.27
226.00	28.50	29.38
0.00	0.00	0.00

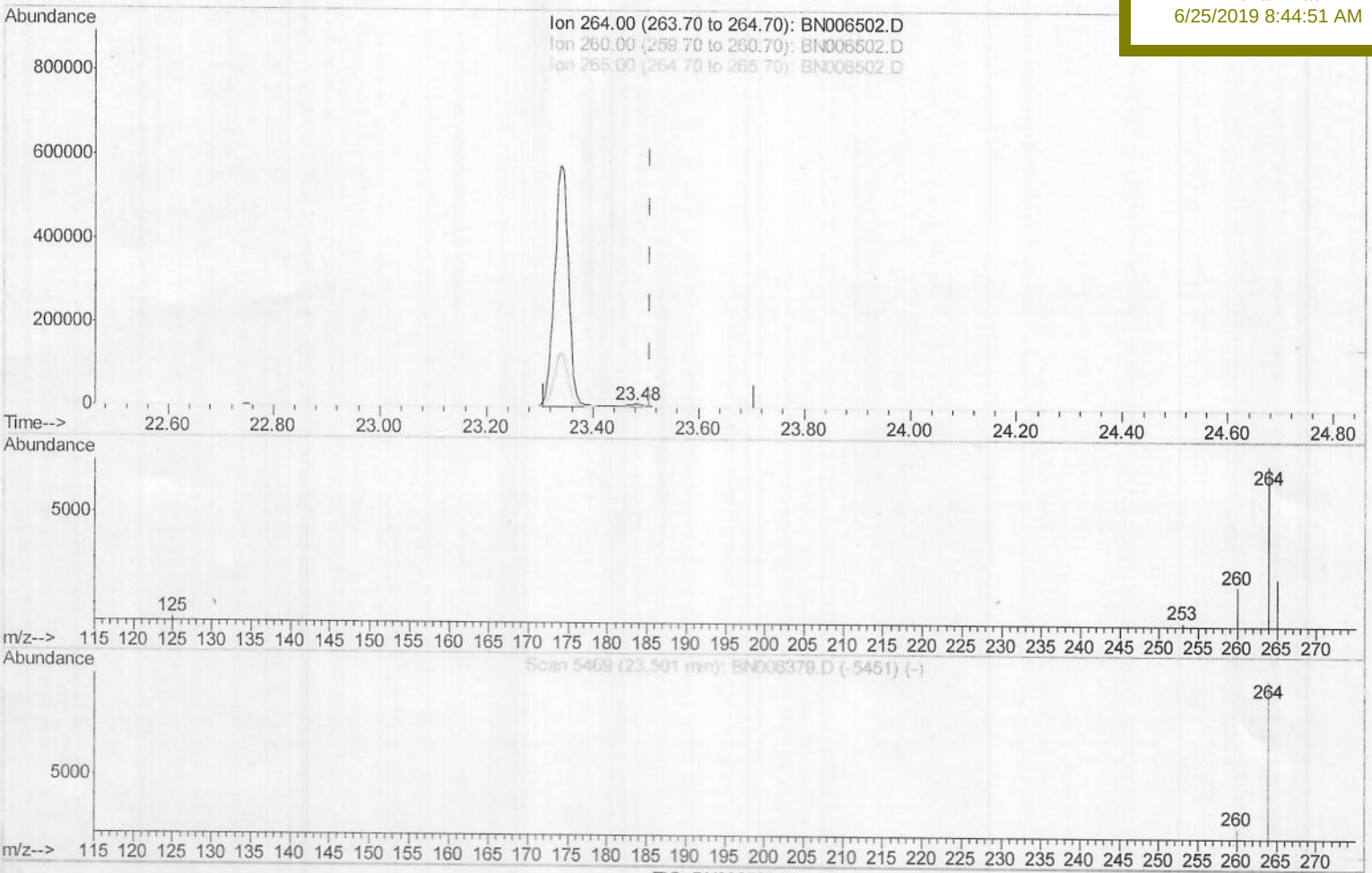
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:06:27 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(20) Perylene-d12 (I)

23.481min (-0.026) 0.40ng/ul

response 17089

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	27.02
265.00	44.70	31.81#
0.00	0.00	0.00

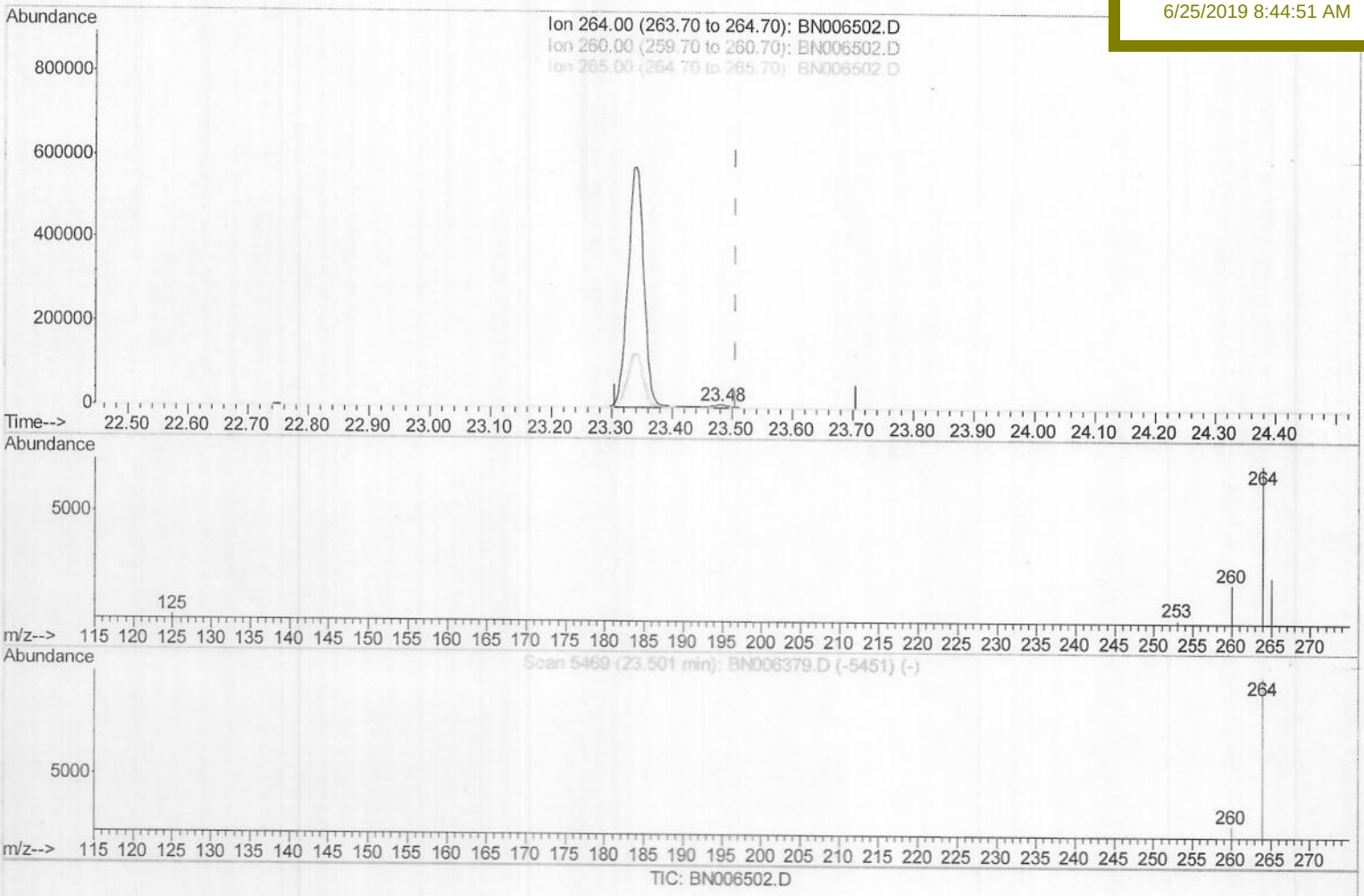
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:06:27 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(20) Perylene-d12 (I)

23.481min (-0.026) 0.40ng/ul m > JU 06/26/19

response 11072

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	27.02
265.00	44.70	31.81#
0.00	0.00	0.00

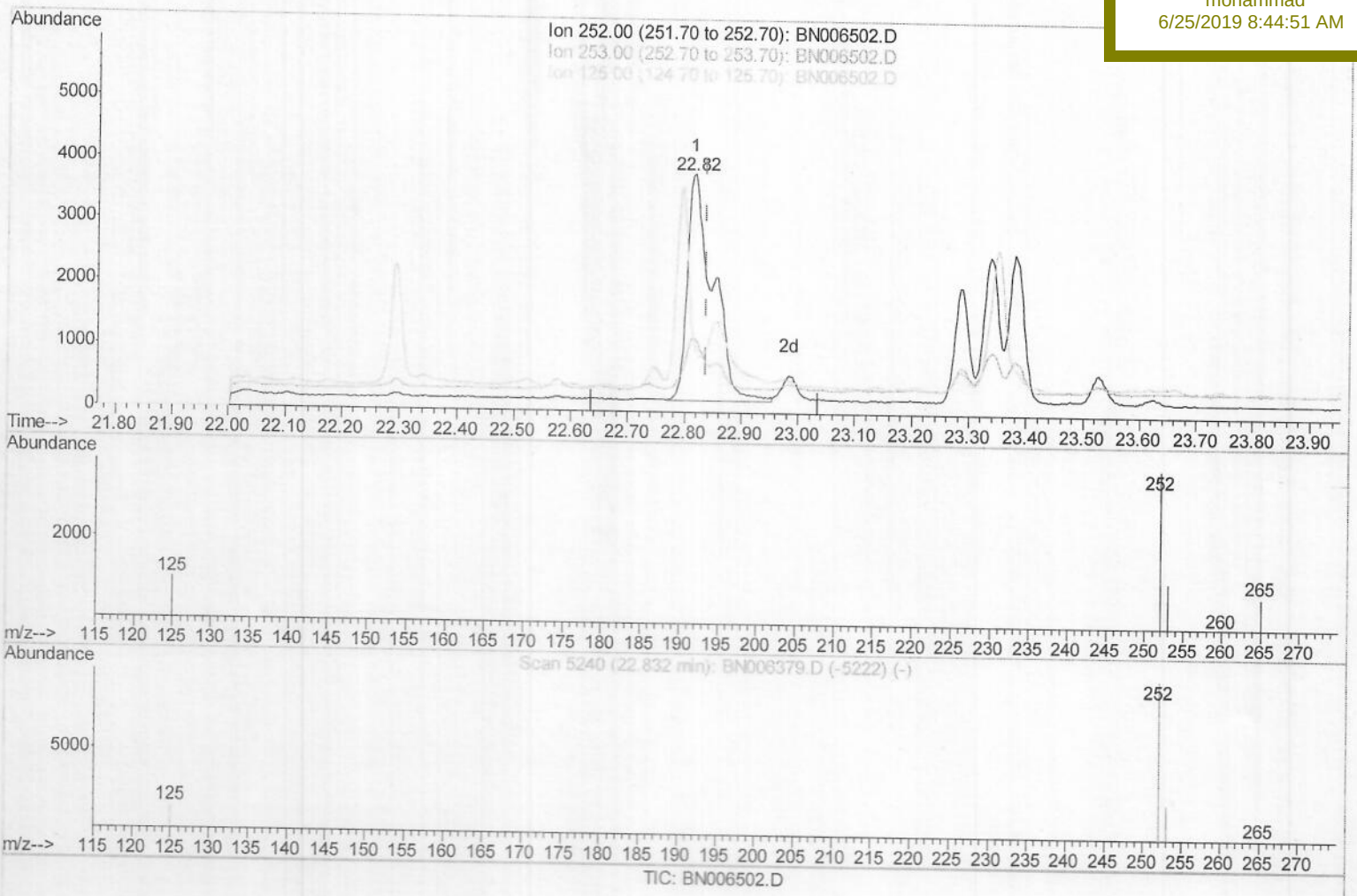
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:07:28 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(21) Benzo(b)fluoranthene

22.817min (-0.020) 0.24ng/ul

response 11209

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	30.67
125.00	20.50	27.61
0.00	0.00	0.00

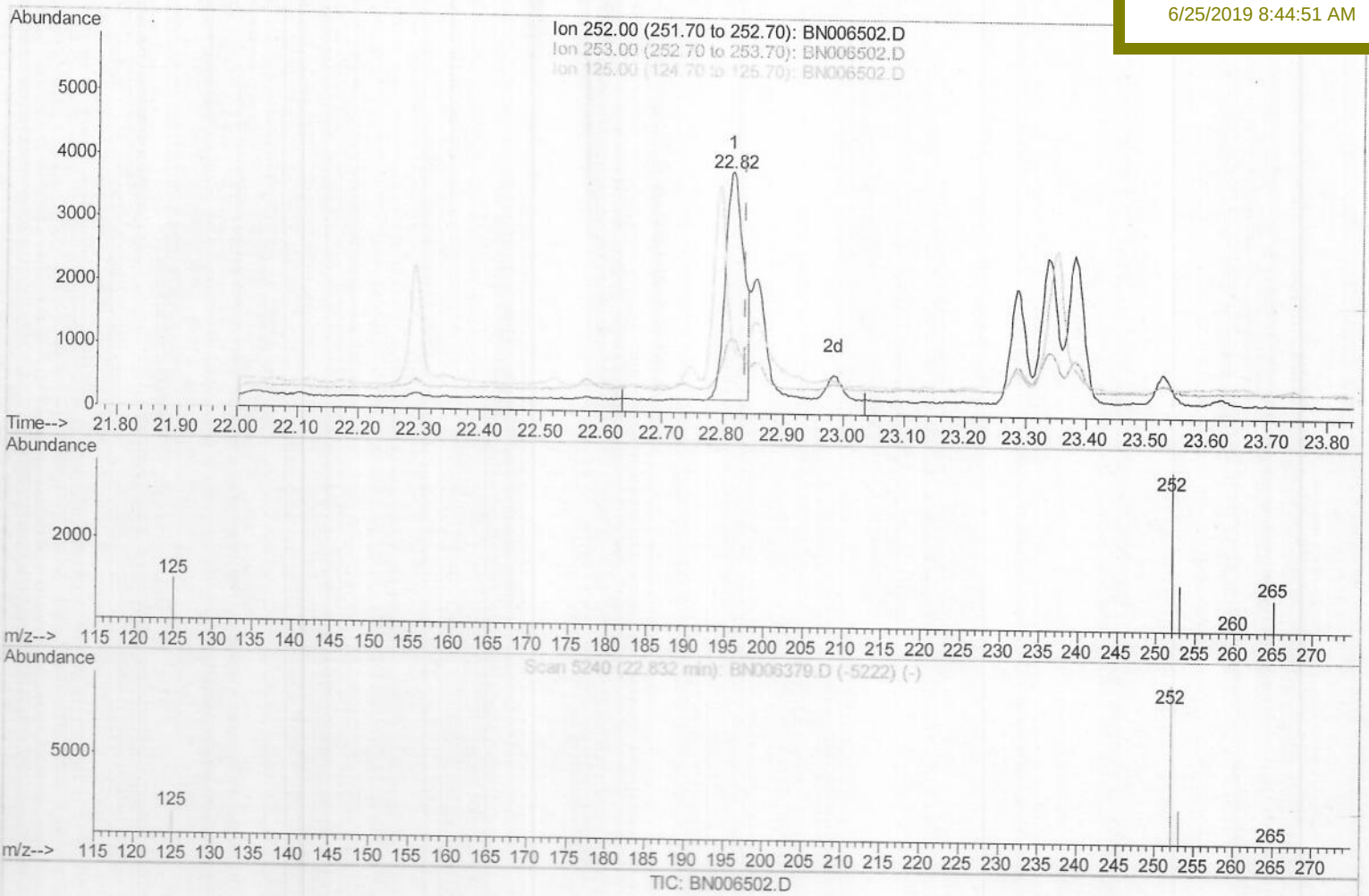
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:07:28 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(21) Benzo(b)fluoranthene

22.817min (-0.020) 0.17ng/ul m > JU 06/26/19

response 7640

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	30.67
125.00	20.50	27.61
0.00	0.00	0.00

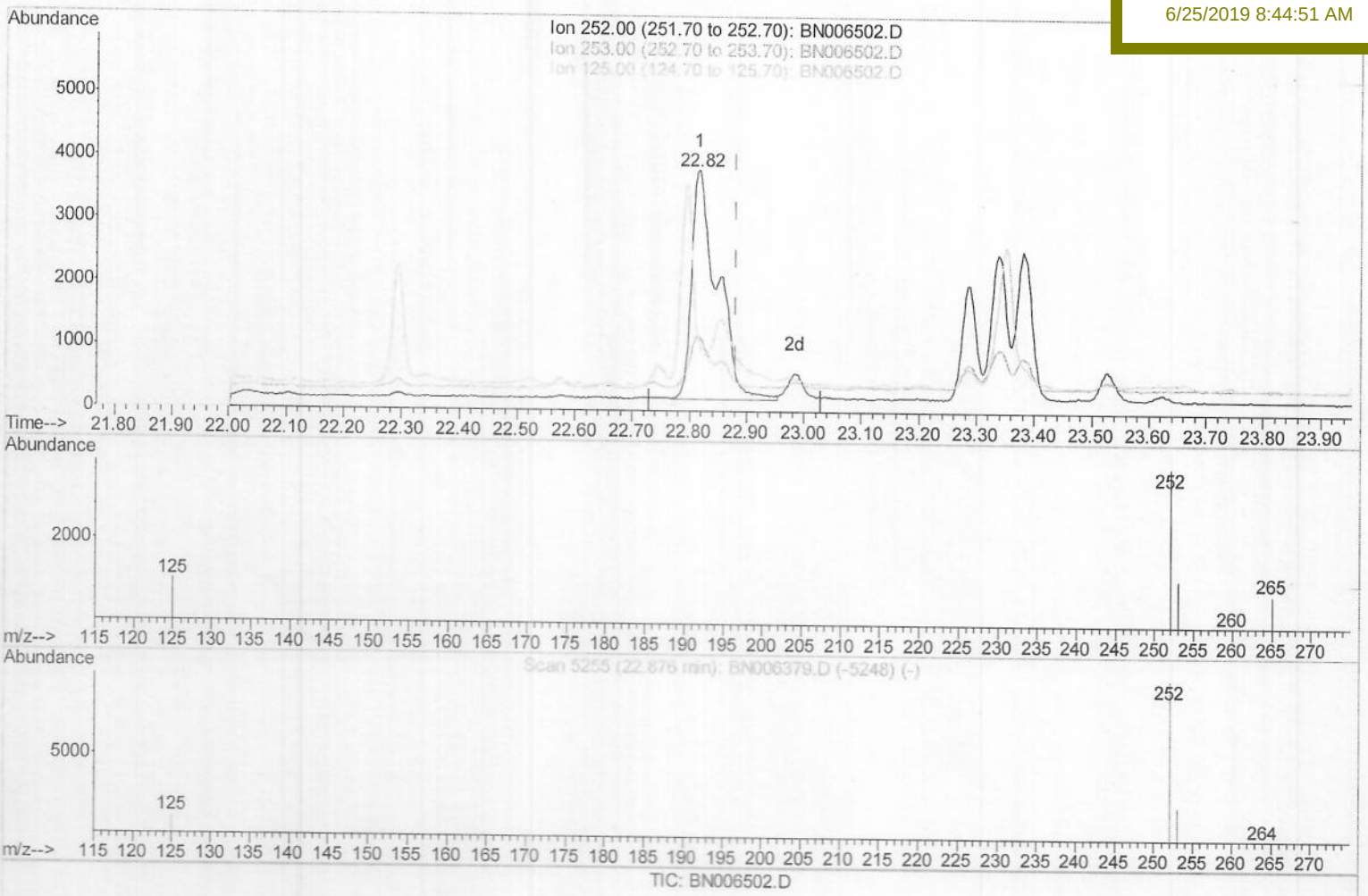
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:07:28 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(22) Benzo(k)fluoranthene

22.817min (-0.064) 0.25ng/ul

response 11209

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	30.67#
125.00	17.90	27.61#
0.00	0.00	0.00

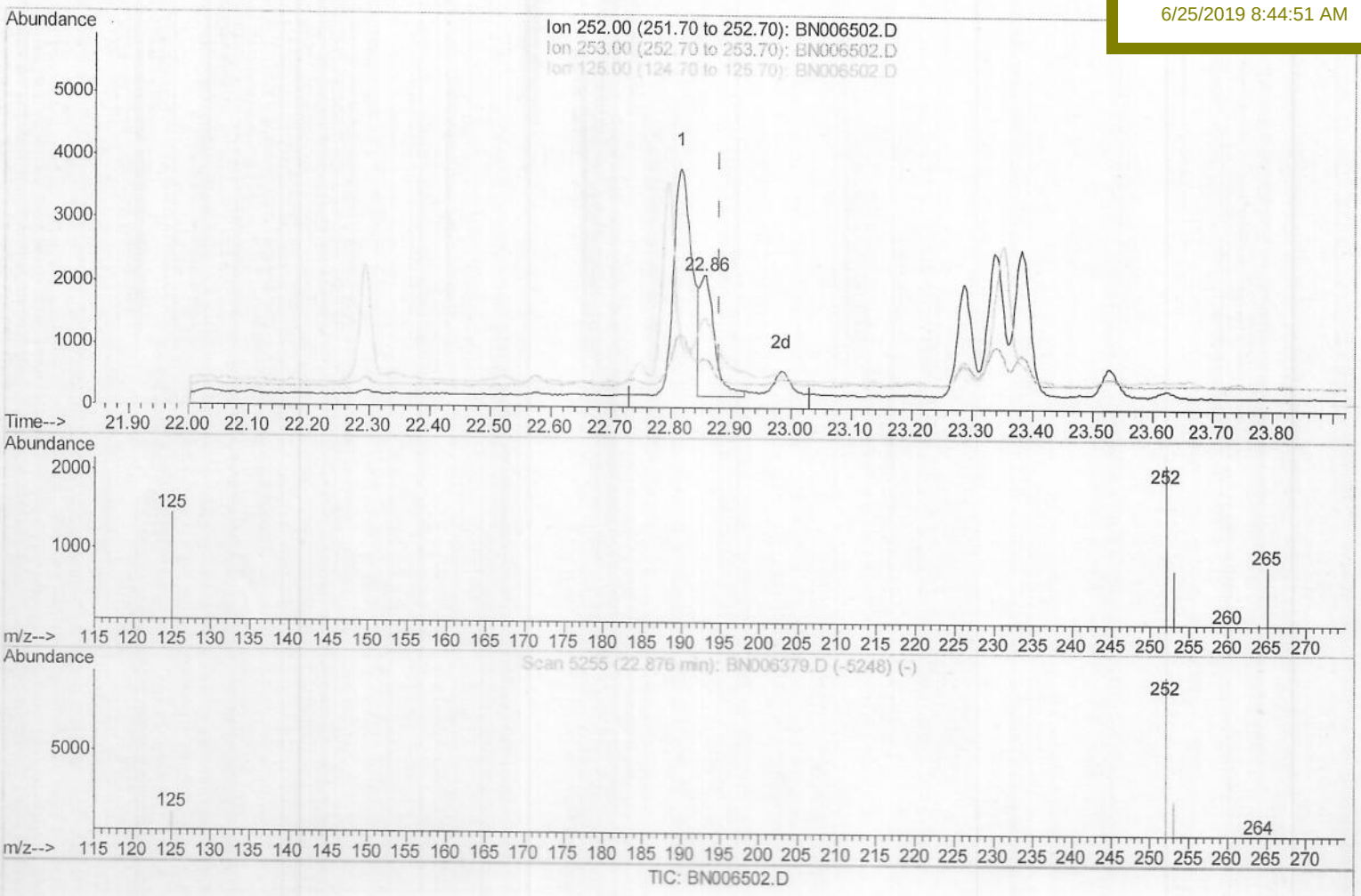
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:07:28 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM



TIC: BN006502.D

(22) Benzo(k)fluoranthene

22.855min (-0.026) 0.08ng/ul m > JU 06/26/19

response 3435

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	36.74#
125.00	17.90	67.65#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062219\
Data File : BN006502.D
Acq On : 22 Jun 2019 22:42
Operator : HP/JU
Sample : K3360-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 24 09:08:15 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 : Mon Jun 17 11:13:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	4785	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.41	136	19017	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	10652	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.04	188	22146m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	14712m	0.40	ng/ul	-0.01
20) Perylene-d12	23.48	264	11072m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	8135	0.28	ng/ul	-0.02
14) Fluoranthene-d10	19.08	212	20143m	0.34	ng/ul	-0.01
Target Compounds						Qvalue
12) Phenanthrene	17.08	178	5626	0.079	ng/ul	95
15) Fluoranthene	19.11	202	16041m	0.204	ng/ul	
17) Pyrene	19.47	202	14793	0.191	ng/ul	96
18) Benzo(a)anthracene	21.24	228	4894m	0.075	ng/ul	
19) Chrysene	21.29	228	6522	0.107	ng/ul	98
21) Benzo(b)fluoranthene	22.82	252	7640m	0.165	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	3435m	0.076	ng/ul	
23) Benzo(a)pyrene	23.38	252	4218	0.098	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.72	276	3195	0.069	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.72	278	810	0.022	ng/ul#	23
26) Benzo(g,h,i)perylene	26.40	276	2593	0.067	ng/ul#	86

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

Instrument :
BNA_N
ClientSampleId :
A41Z8

Manual Integrations APPROVED
mohammad
6/25/2019 8:44:51 AM

JO 06/26/19