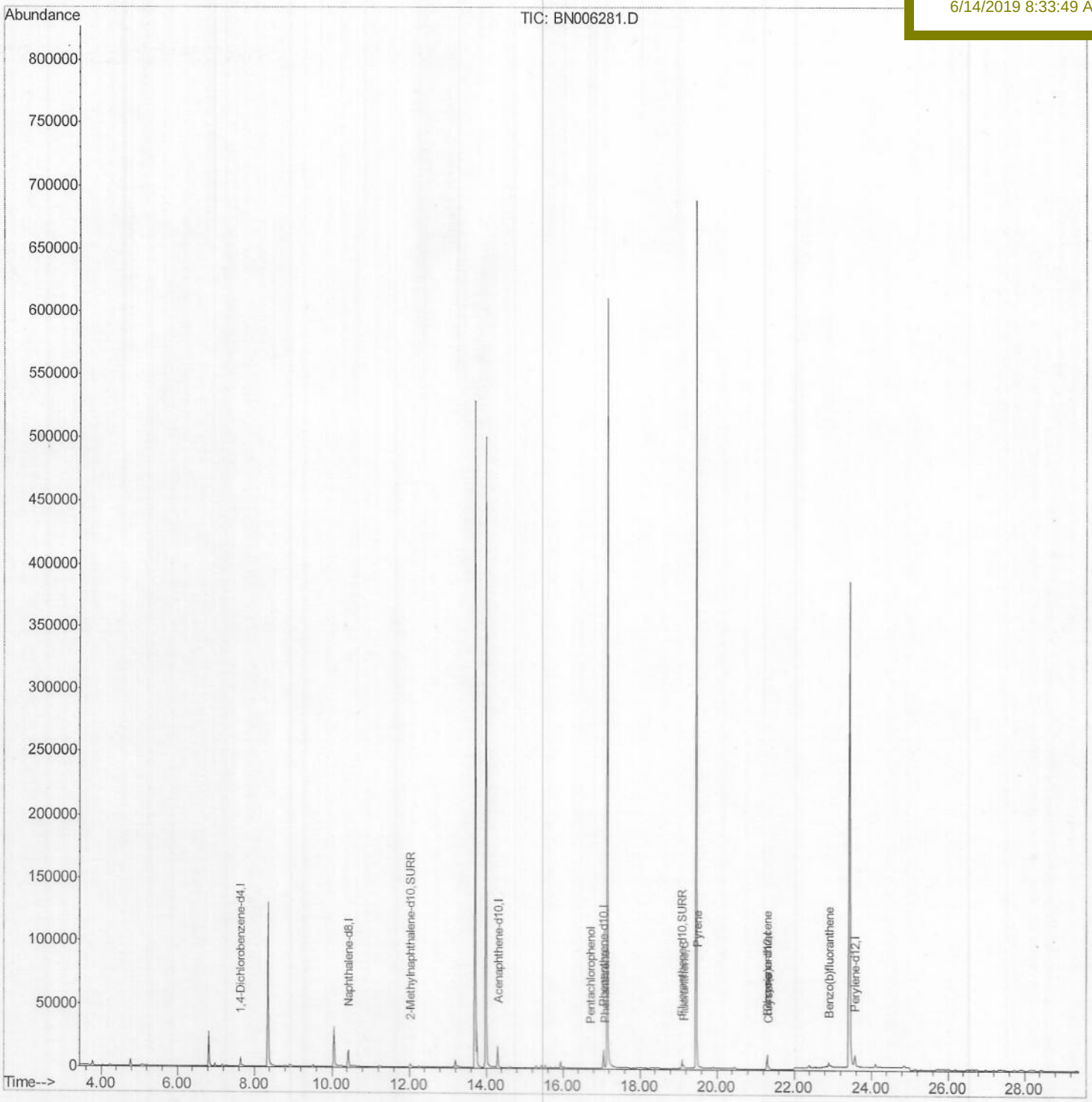
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:29:59 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



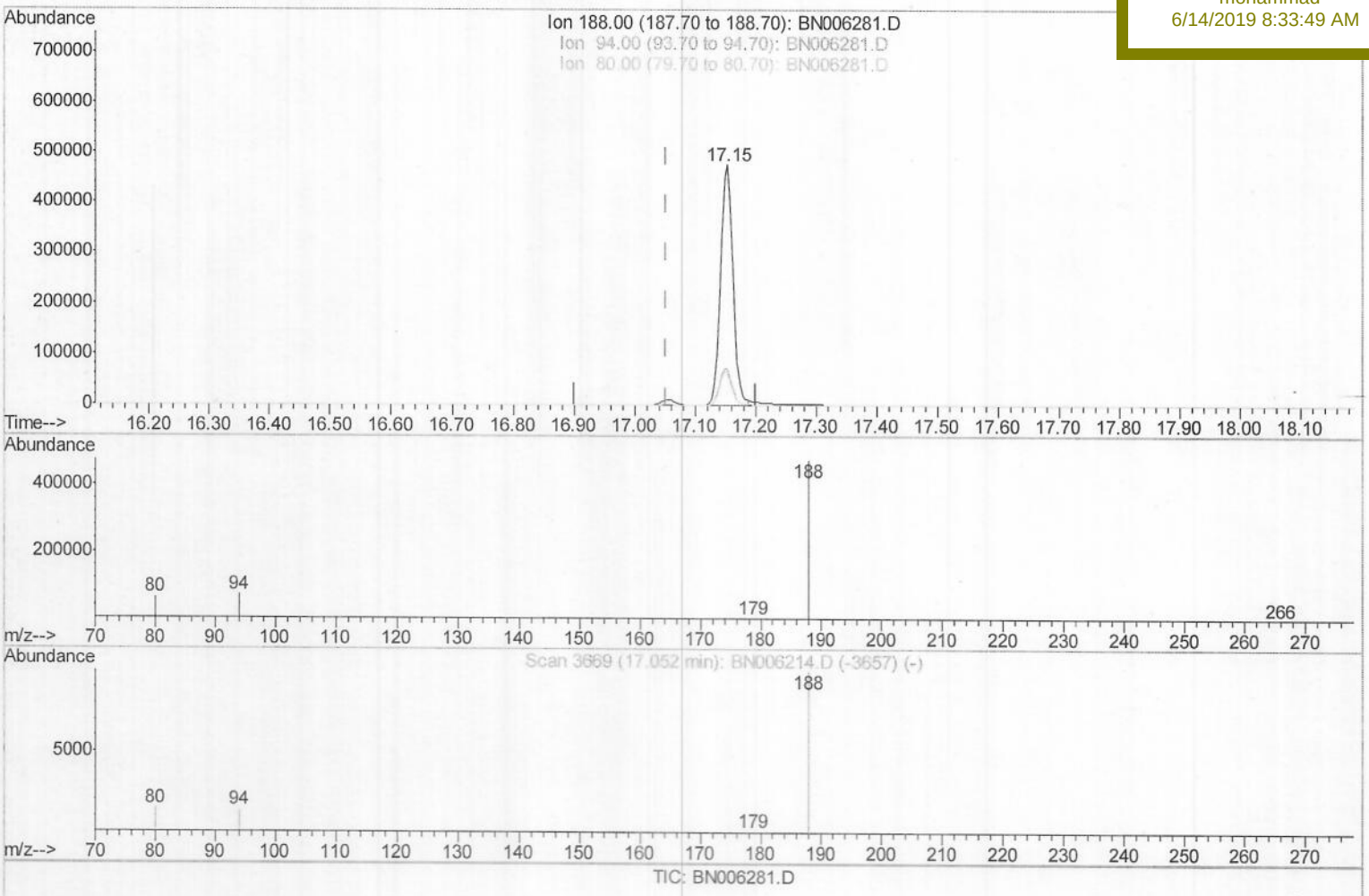
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:25:33 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



TIC: BN006281.D

(10) Phenanthrene-d10 (I)

17.154min (+0.101) 0.40ng/ul

response 667775

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.81
80.00	13.60	13.38
0.00	0.00	0.00

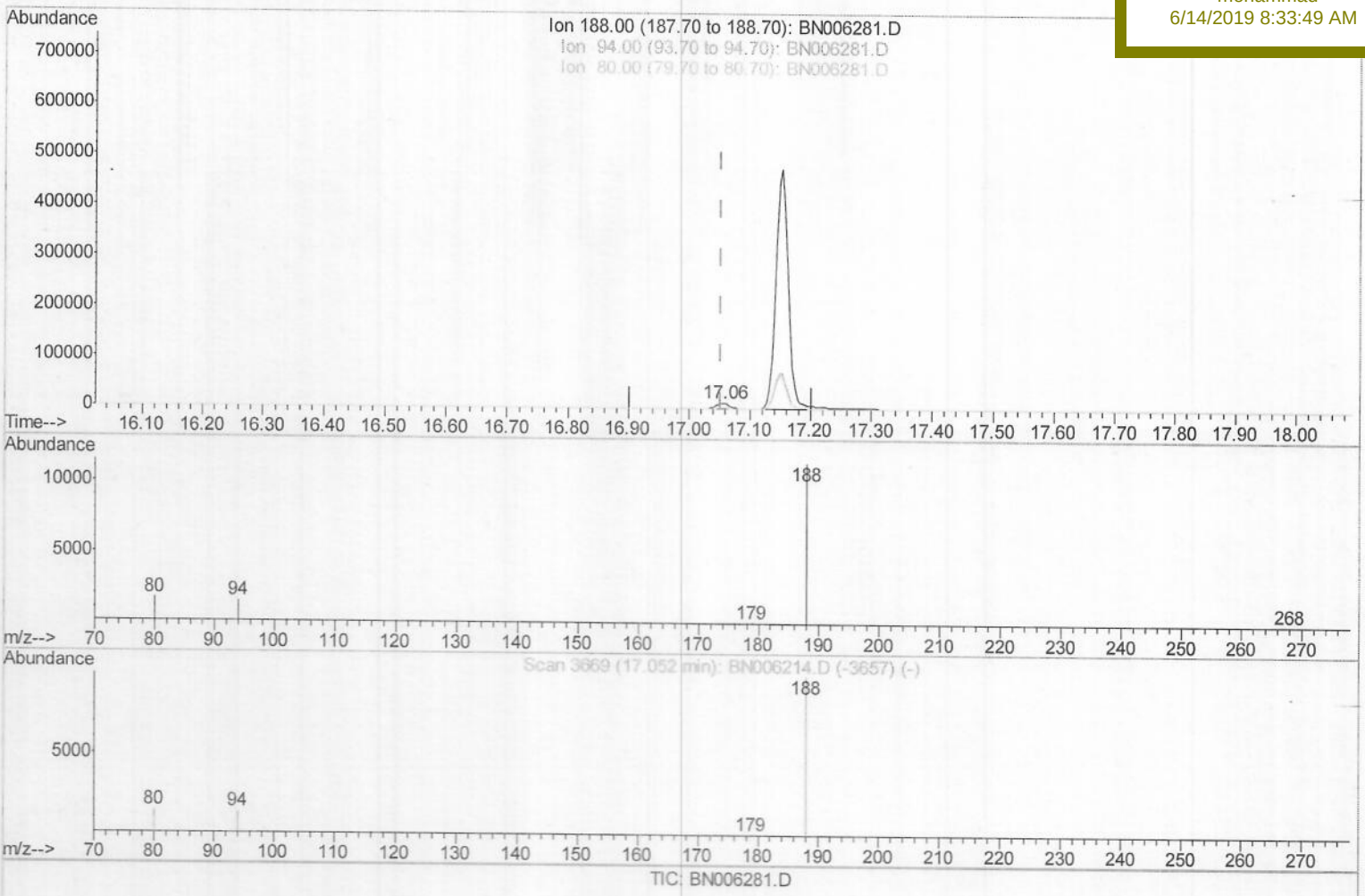
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:25:33 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



TIC: BN006281.D

(10) Phenanthrene-d10 (I)

17.056min (+0.004) 0.40ng/ul m) JU 06/20/19

response 17385

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.08
80.00	13.60	14.68
0.00	0.00	0.00

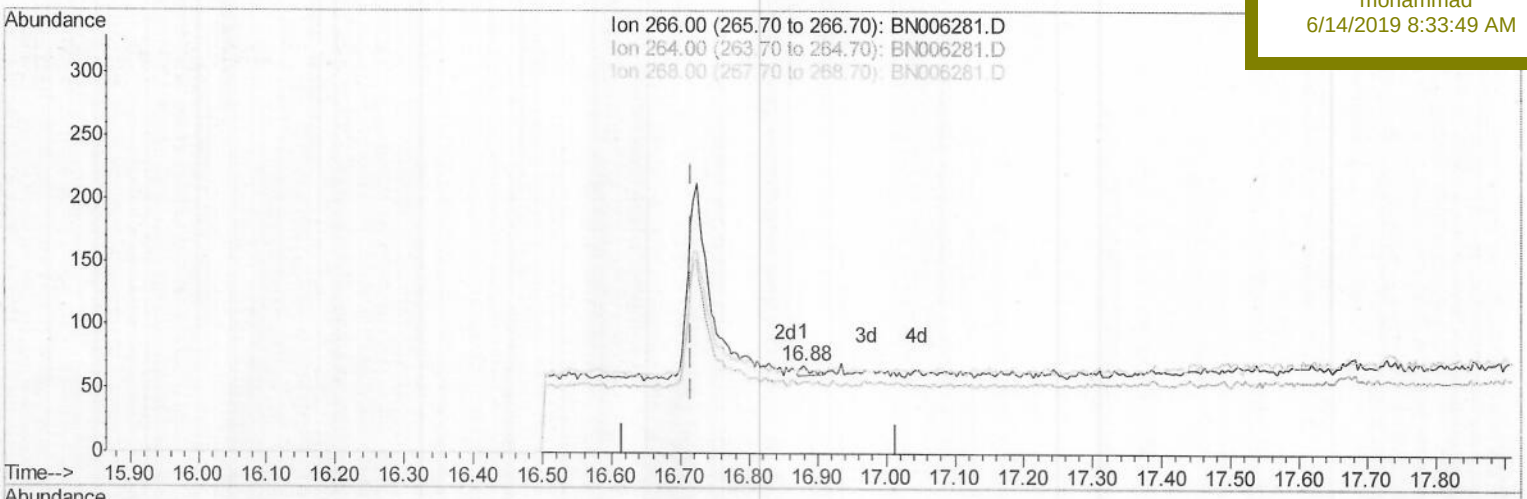
Quantitation Report (Qedit)

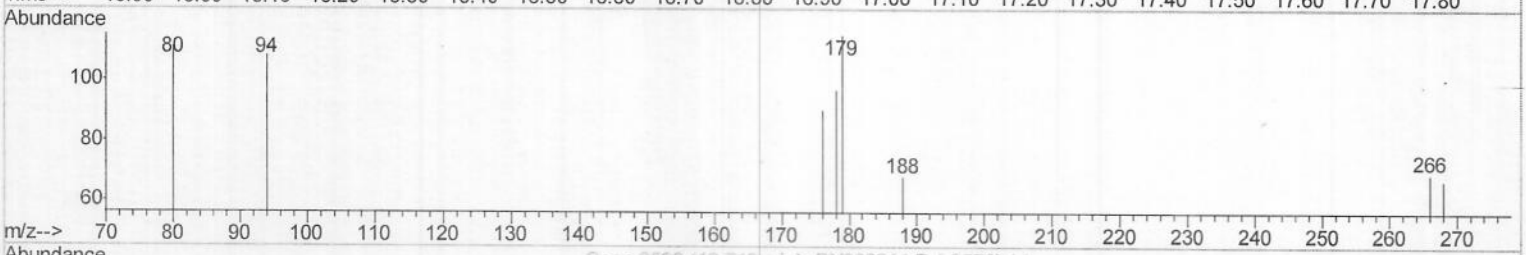
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

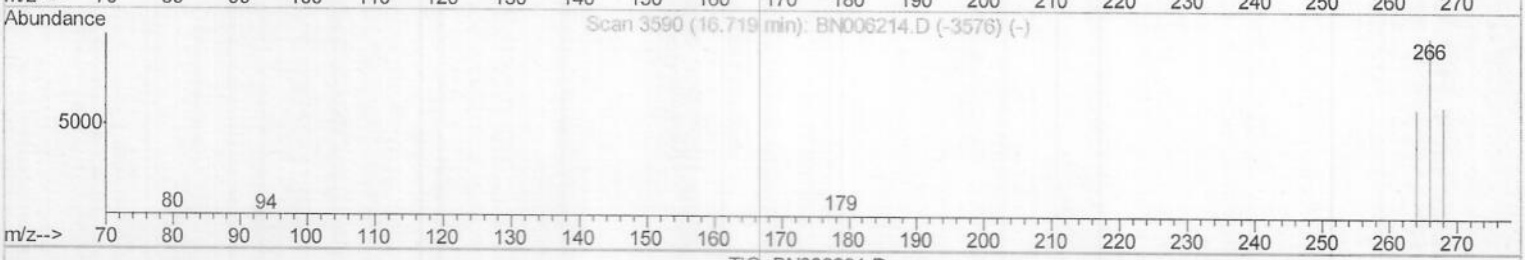
Quant Time: Jun 12 17:26:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM







TIC: BN006281.D

(11) Pentachlorophenol

16.879min (+0.165) 0.00ng/ul

response 8

Ion	Exp%	Act%
266.00	100	100
264.00	62.90	62.50
268.00	64.10	62.50
0.00	0.00	0.00

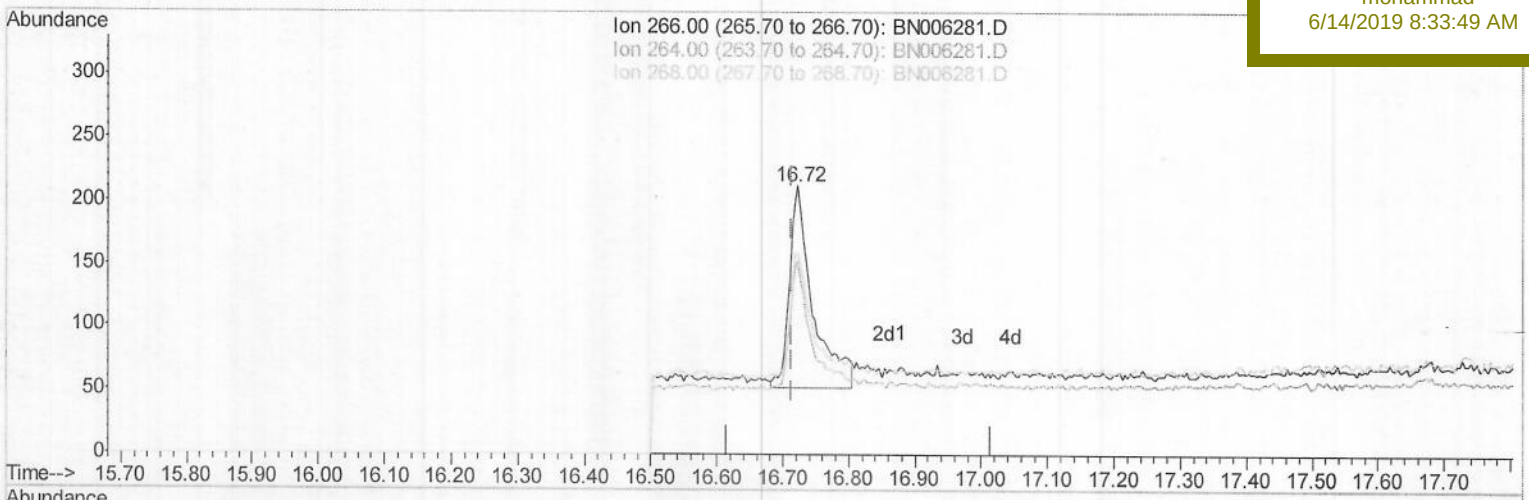
Quantitation Report (Qedit)

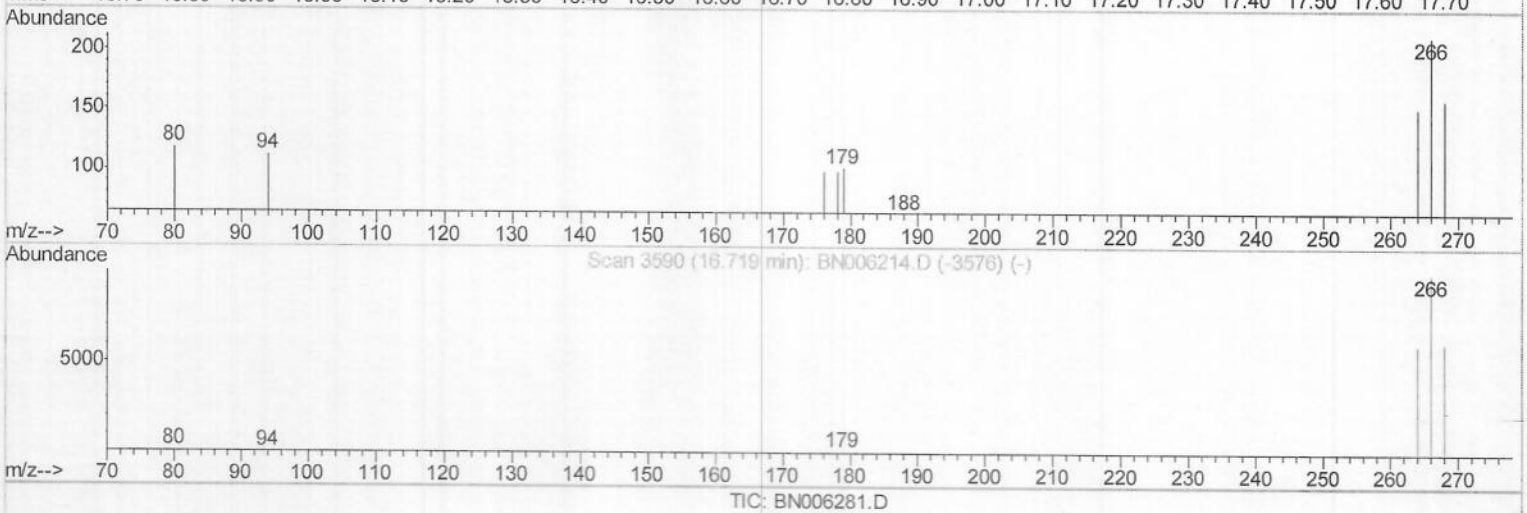
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM





TIC: BN006281.D

(11) Pentachlorophenol

16.723min (+0.008) 0.09ng/ul m JU 06/20/19

response 395

Ion	Exp%	Act%
266.00	100	100
264.00	62.90	1.27#
268.00	64.10	1.27#
0.00	0.00	0.00

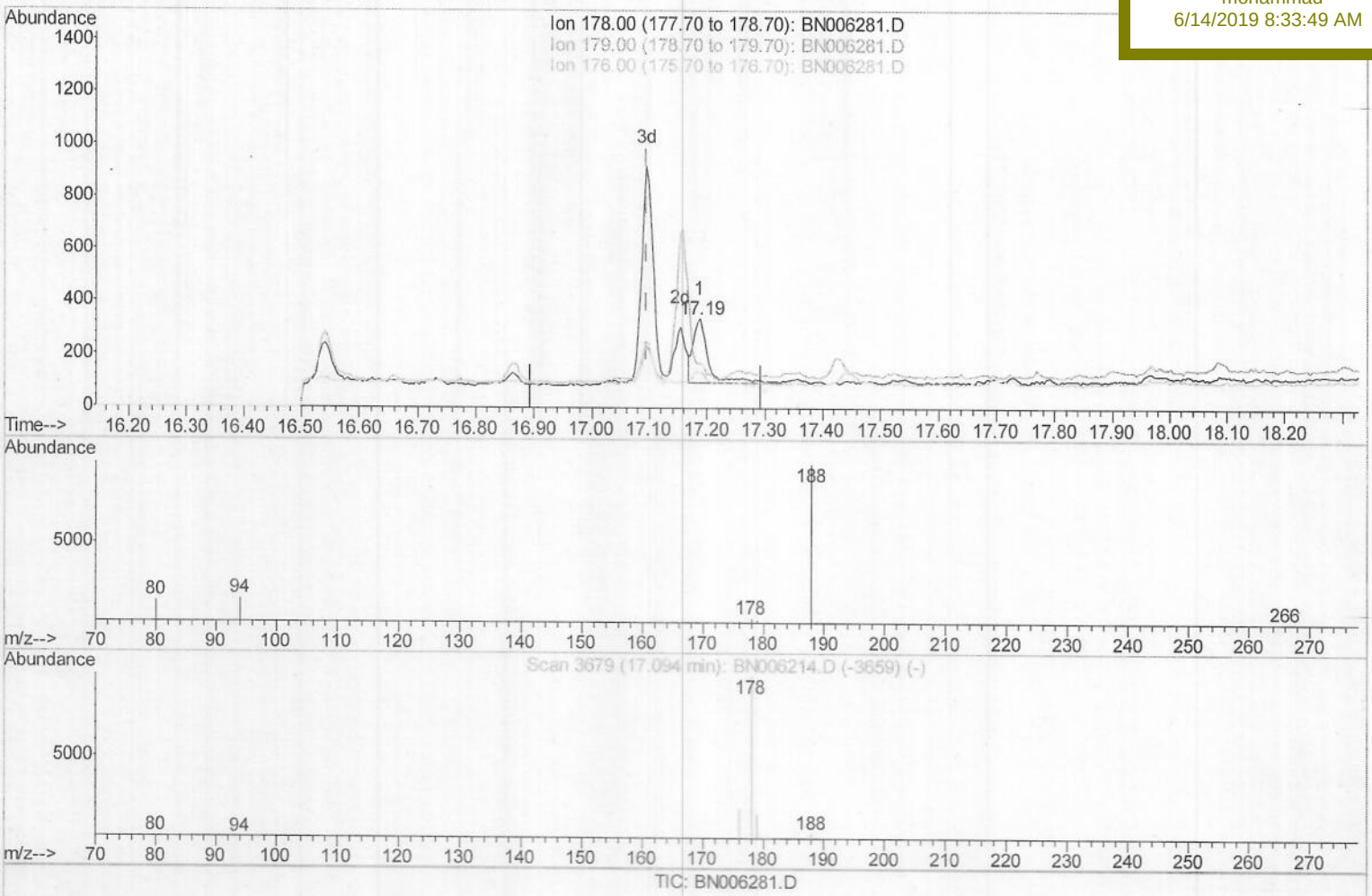
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



TIC: BN006281.D

(12) Phenanthrene

17.187min (+0.093) 0.01ng/ul

response 469

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	50.60#
176.00	19.10	39.58#
0.00	0.00	0.00

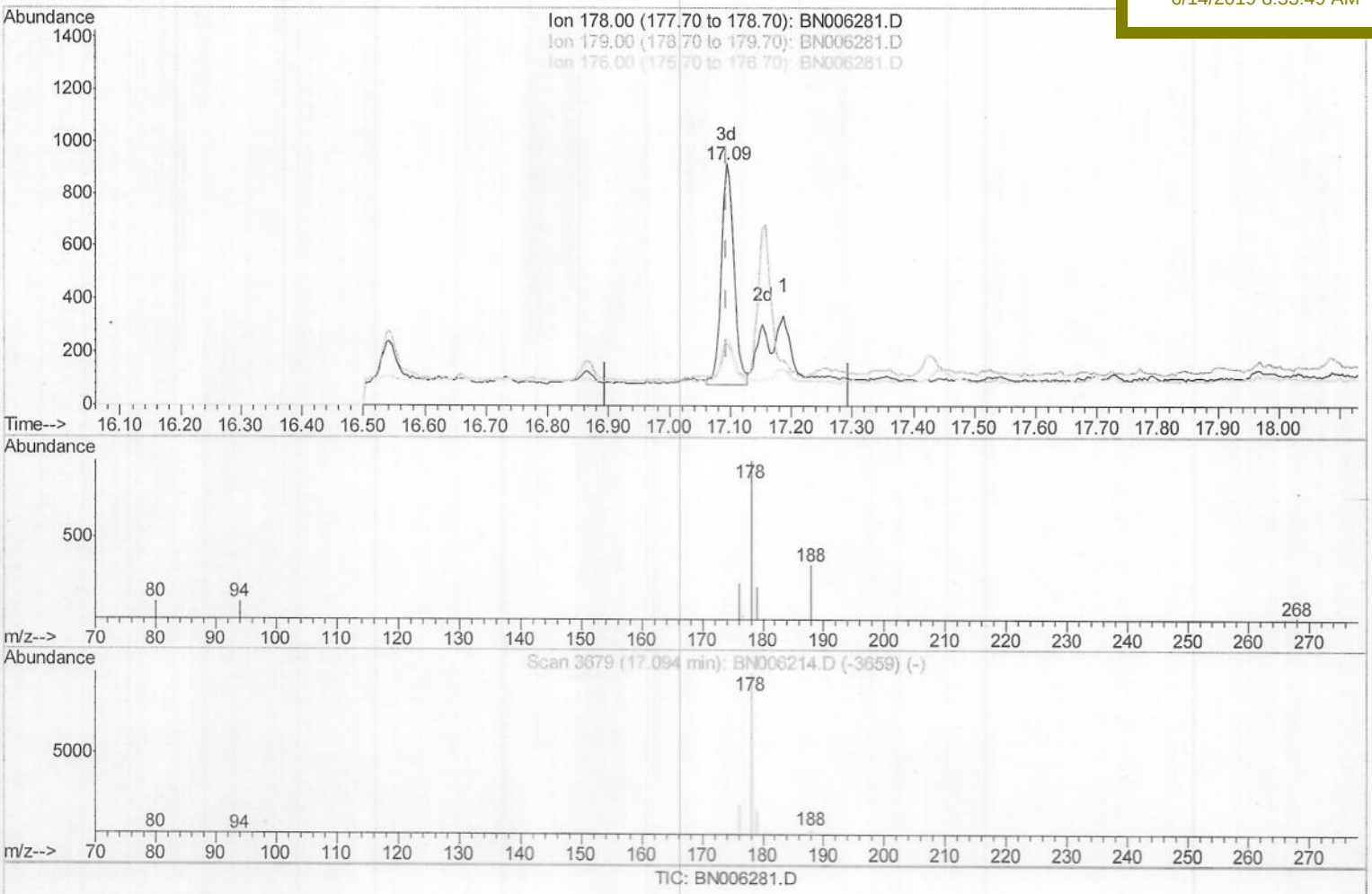
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



TIC: BN006281.D

(12) Phenanthrene

17.094min (-0.000) 0.02ng/ul m JJU06/2019

response 1200

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	25.55#
176.00	19.10	27.51#
0.00	0.00	0.00

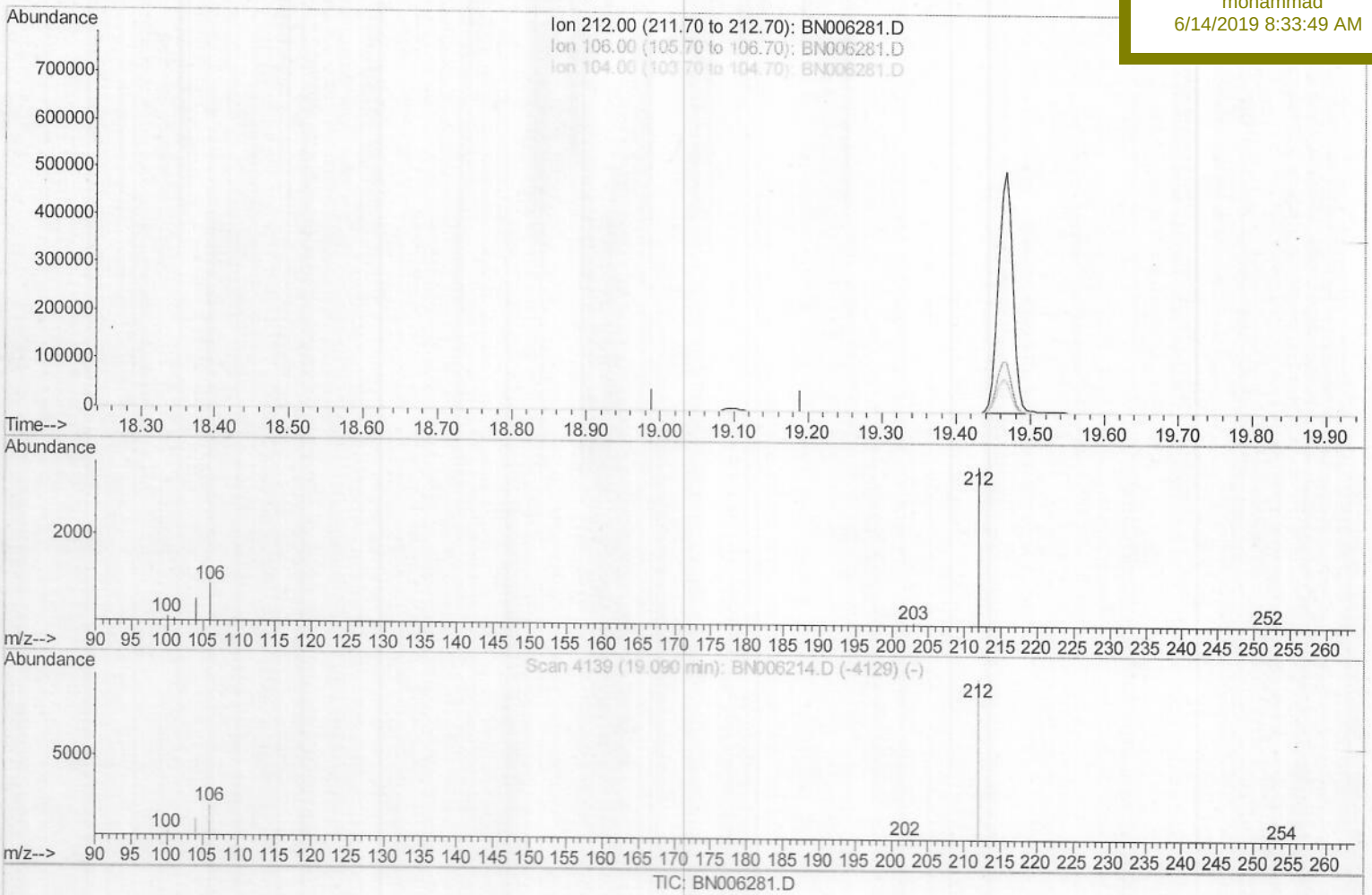
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



TIC: BN006281.D

(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

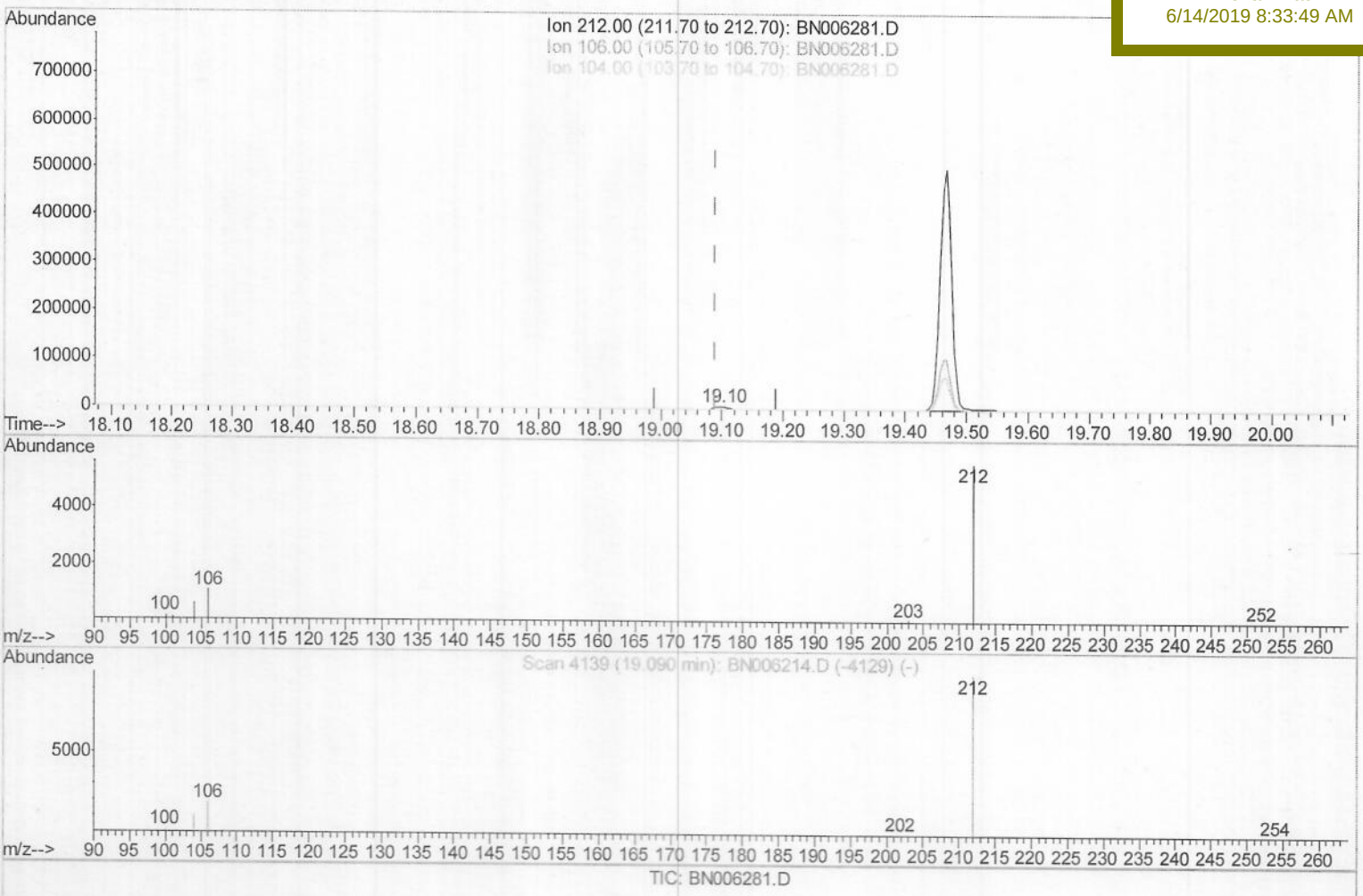
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



(14) Fluoranthene-d10 (SURR)

19.099min (+0.009) 0.17ng/ul m JU06120119

response 7862

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

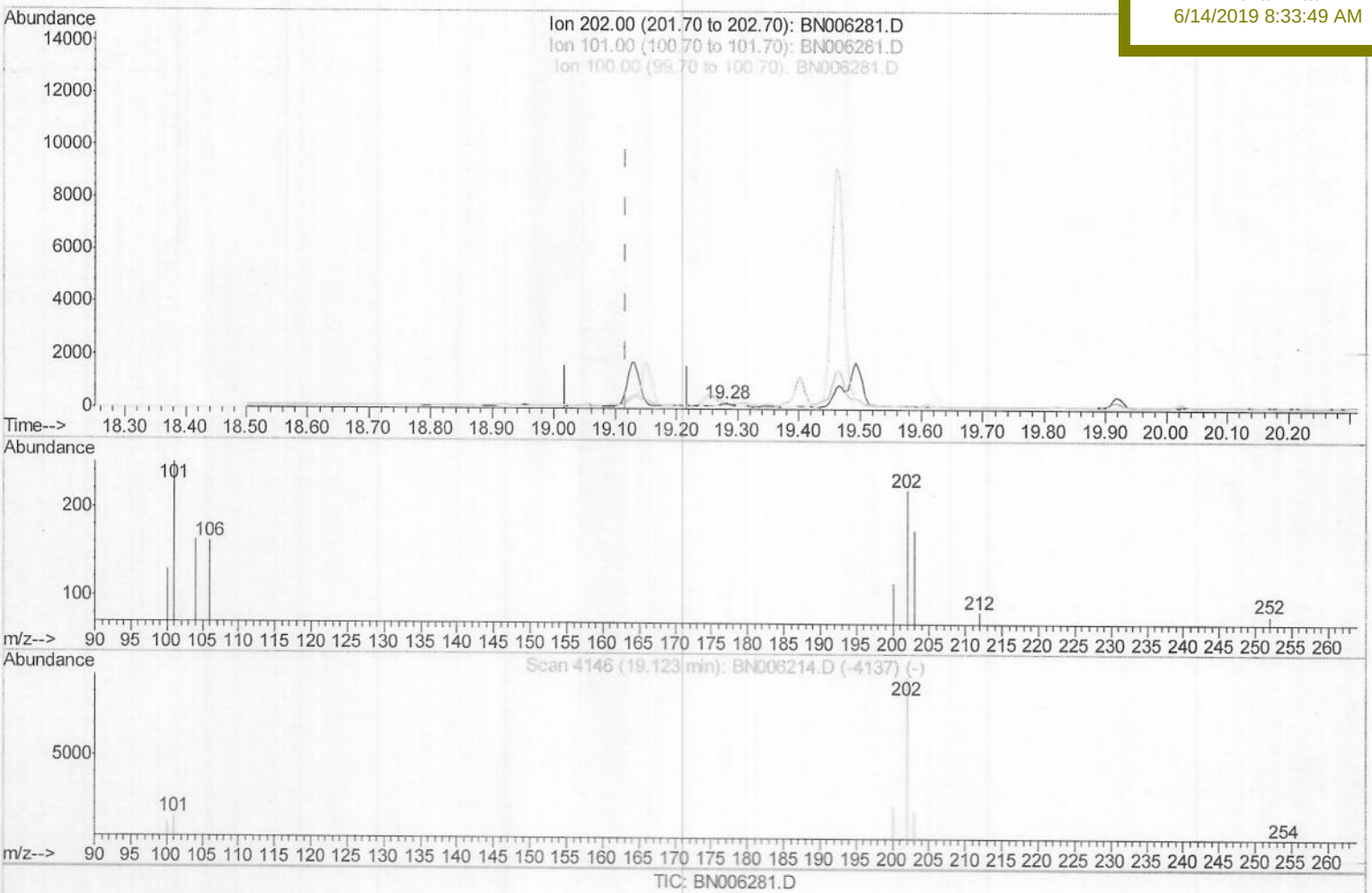
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



(15) Fluoranthene (C)

19.281min (+0.163) 0.00ng/ul

response 165

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	113.64#
100.00	8.70	58.64#
0.00	0.00	0.00

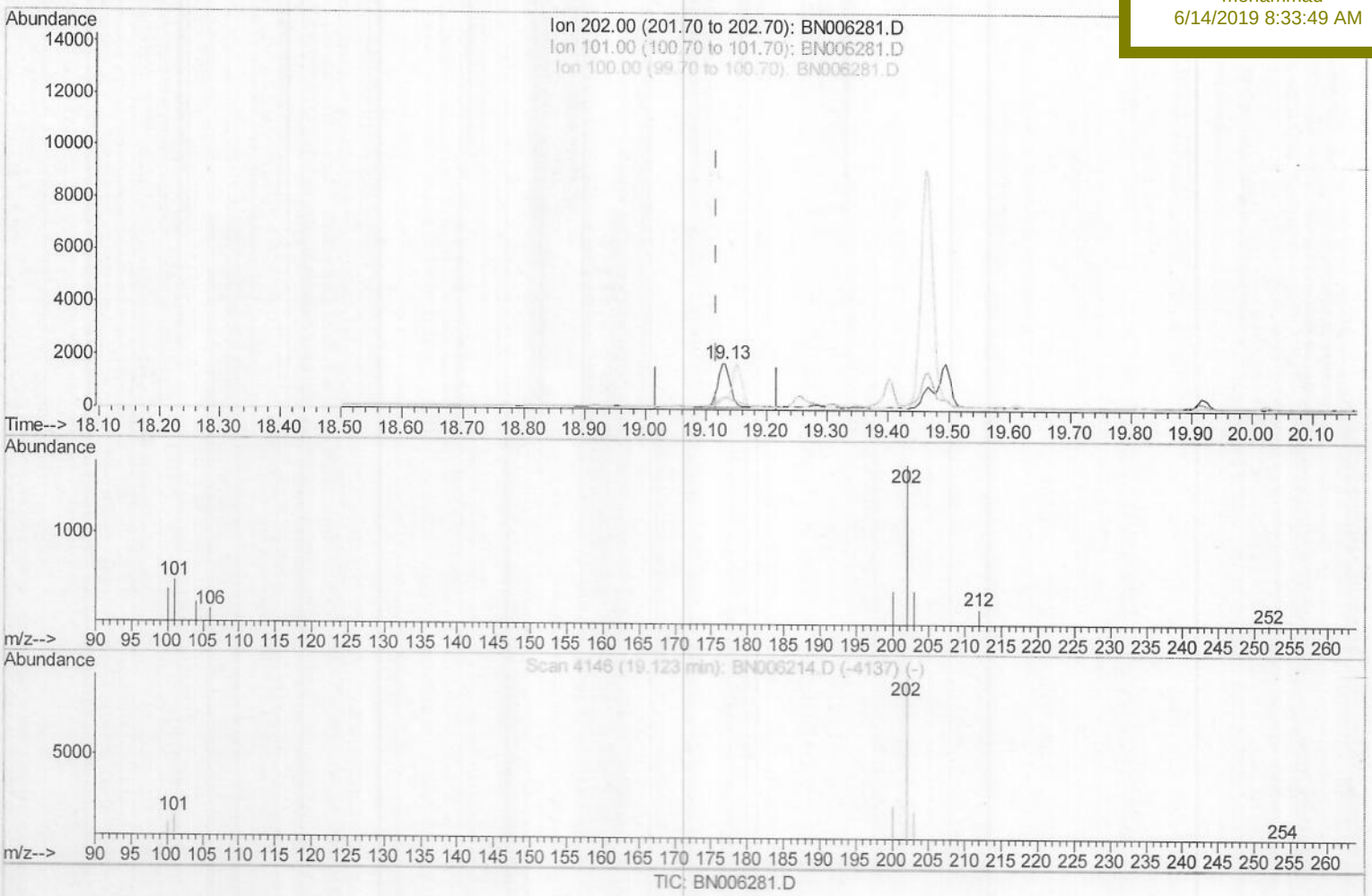
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



(15) Fluoranthene (C)

19.132min (+0.014) 0.04ng/ul m) JU06/20/19

response 2451

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	28.71
100.00	8.70	23.71
0.00	0.00	0.00

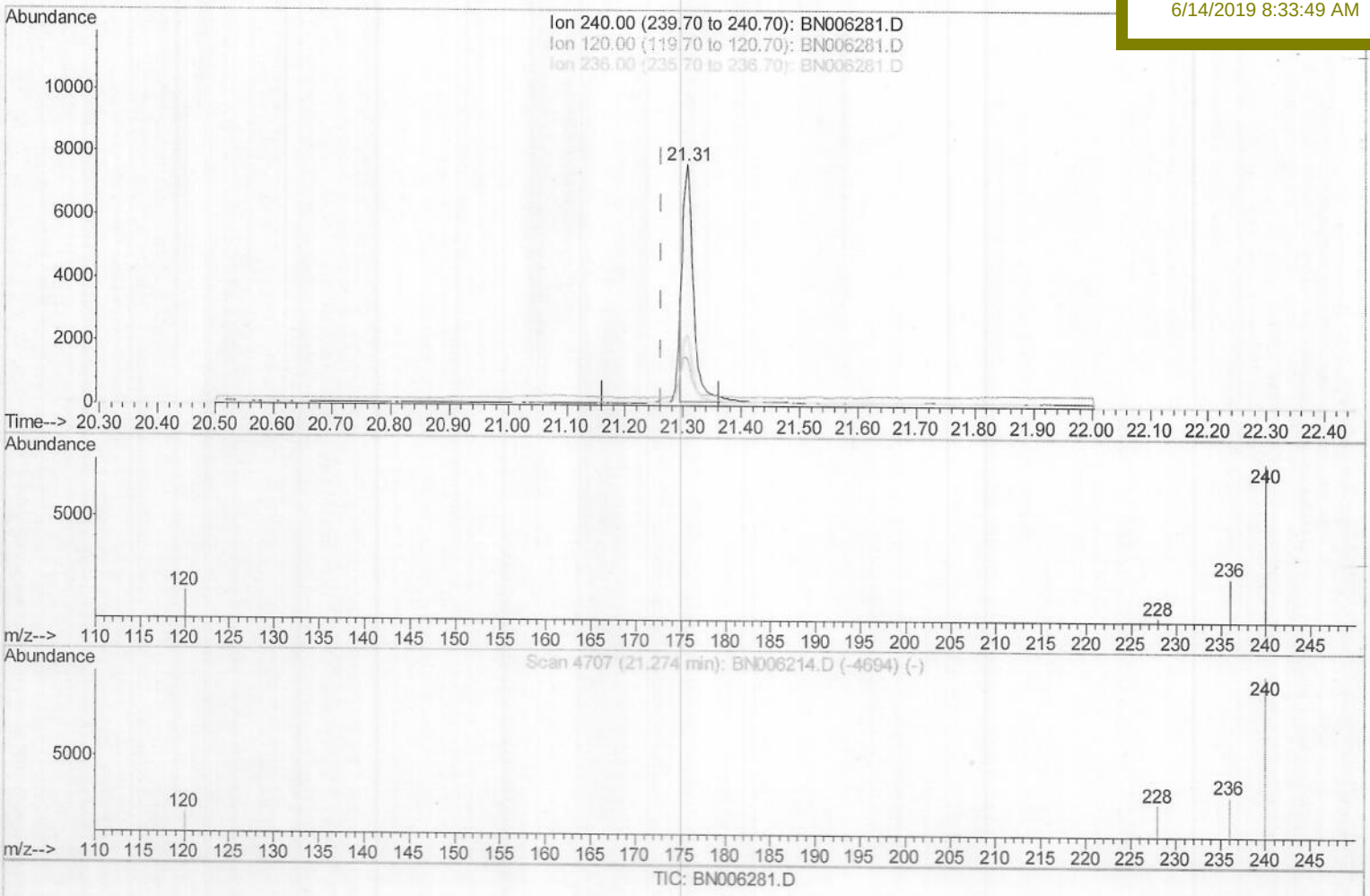
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



(16) Chrysene-d12 (I)

21.306min (+0.044) 0.40ng/ul

response 9699

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	19.67
236.00	30.10	29.47
0.00	0.00	0.00

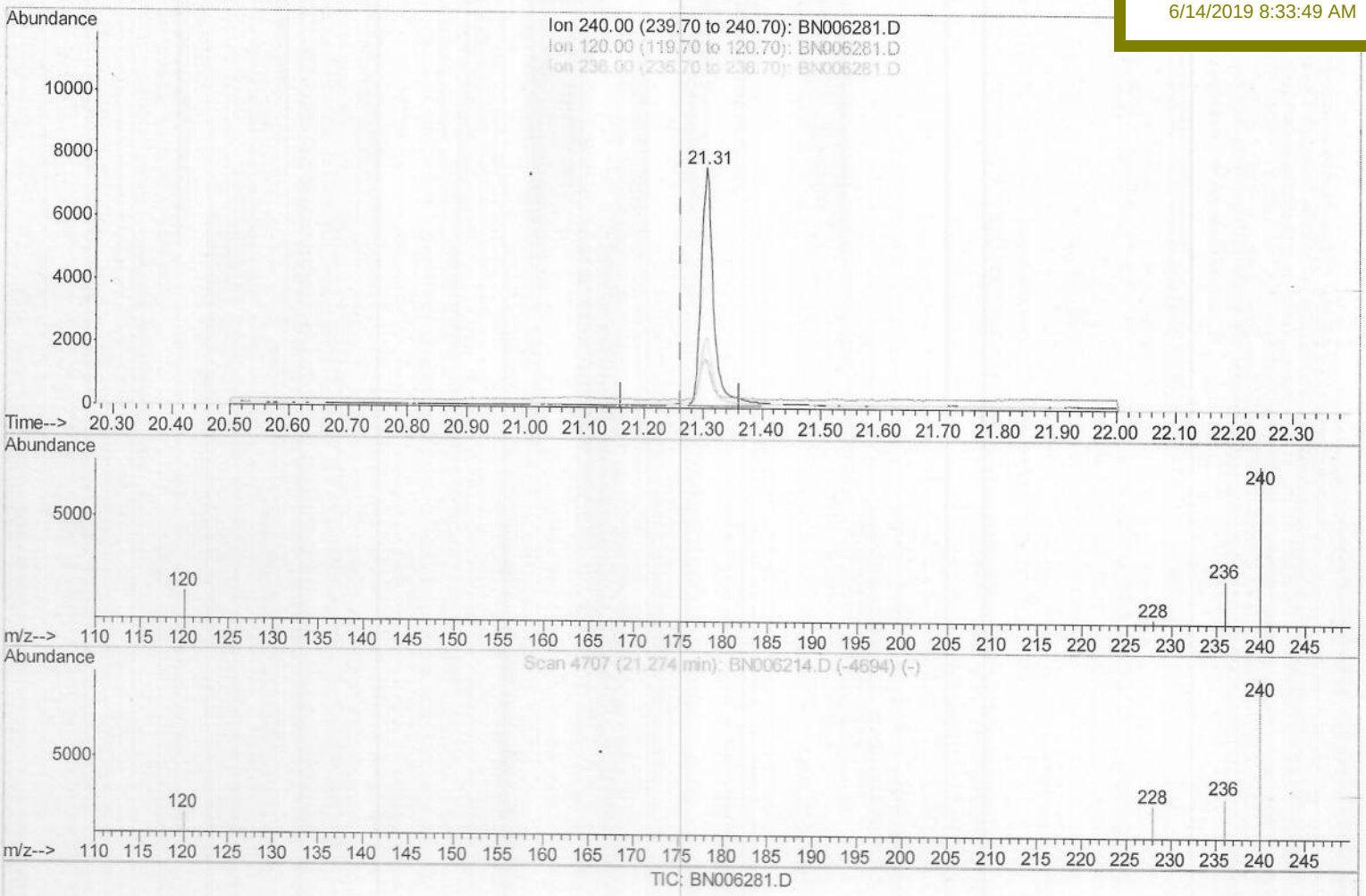
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:26:20 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



TIC: BN006281.D

(16) Chrysene-d12 (I)

21.306min (+0.044) 0.40ng/ul m JU06/20/19

response 11255

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	19.67
236.00	30.10	29.47
0.00	0.00	0.00

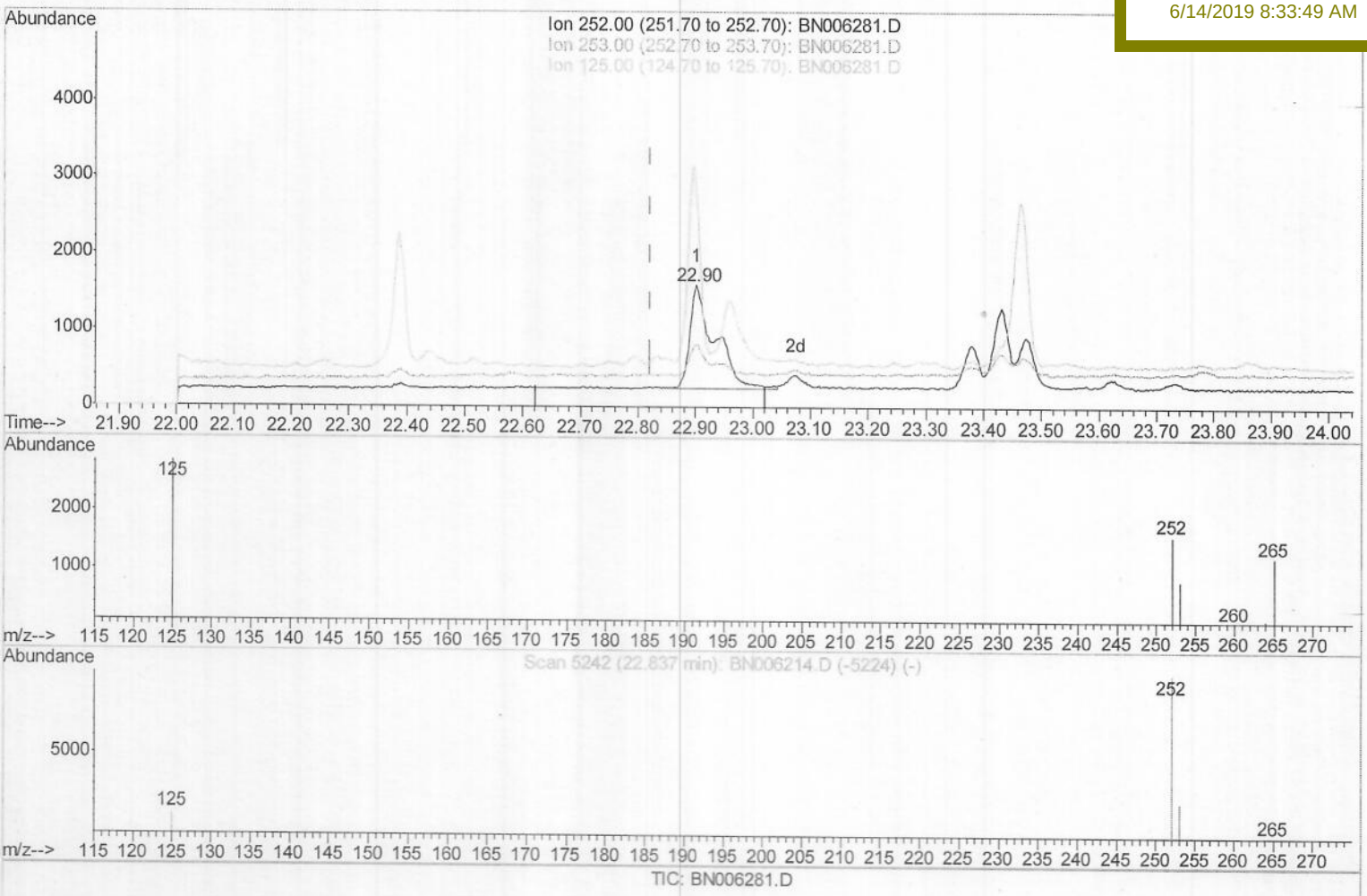
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:28:23 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 :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM



TIC: BN006281.D

(21) Benzo(b)fluoranthene

22.902min (+0.079) 0.06ng/ul

response 4120

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	51.23
125.00	20.50	179.53#
0.00	0.00	0.00

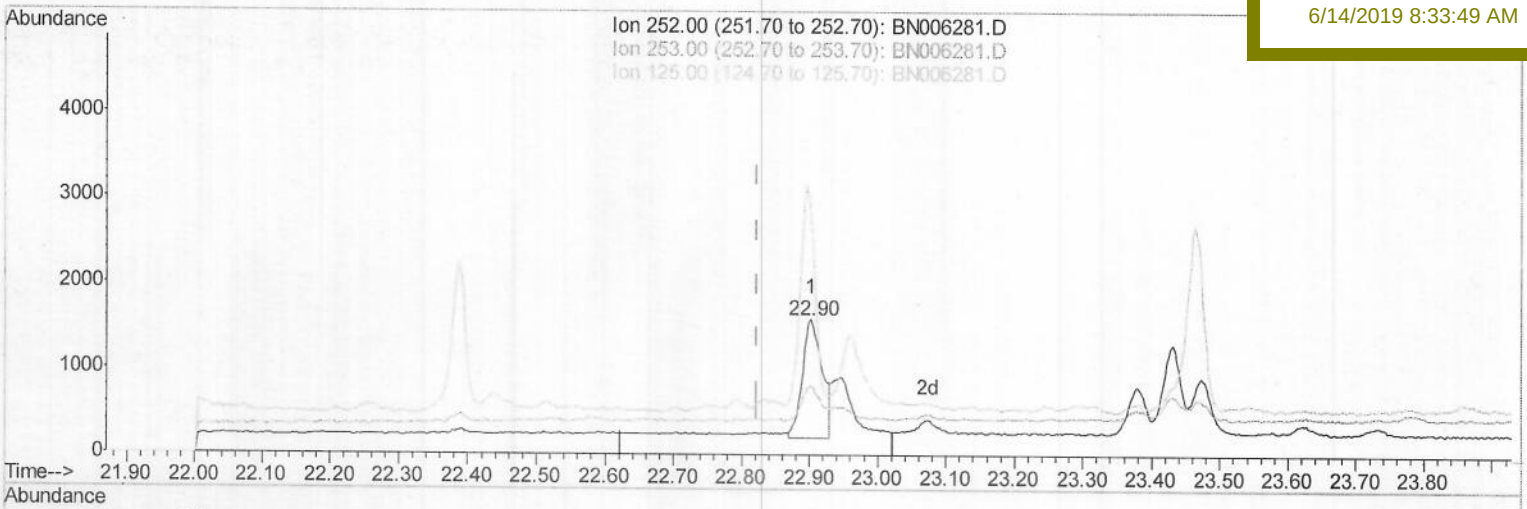
Quantitation Report (Qedit)

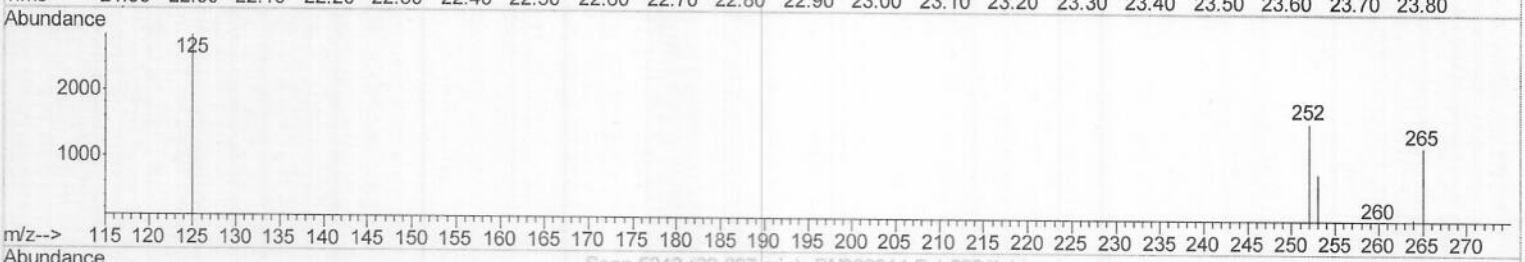
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

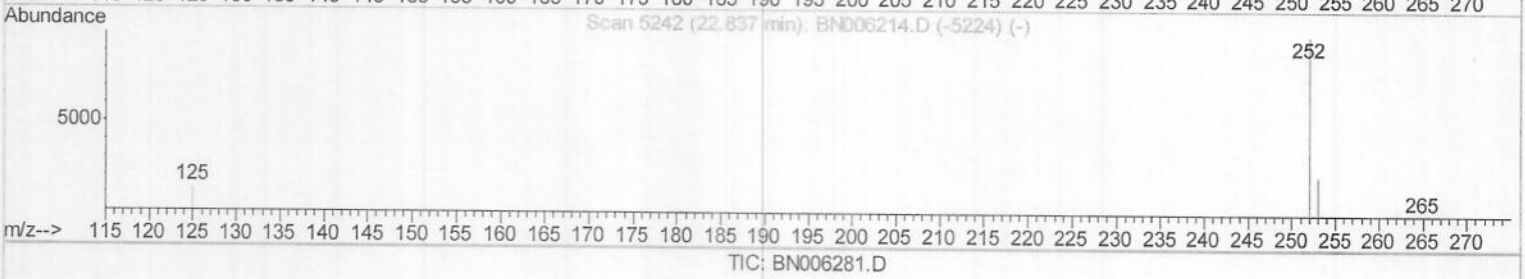
Quant Time: Jun 12 17:28:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM







TIC: BN006281.D

(21) Benzo(b)fluoranthene

22.902min (+0.079) 0.04ng/ul m JJU06/20/19

response 2759

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	51.23
125.00	20.50	179.53#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN061219\
Data File : BN006281.D
Acq On : 12 Jun 2019 15:34
Operator : JU/SJ
Sample : K3231-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 12 17:29:59 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 : DB8L3

Manual Integrations APPROVED
mohammad
6/14/2019 8:33:49 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4389	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	17256	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	9011	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	17385m	0.40	ng/ul	0.00
16) Chrysene-d12	21.31	240	11255m	0.40	ng/ul	0.04
20) Perylene-d12	23.57	264	15635	0.40	ng/ul	0.08
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	3756	0.14	ng/ul	0.00
14) Fluoranthene-d10	19.10	212	7862m	0.17	ng/ul	0.00
Target Compounds						Qvalue
11) Pentachlorophenol	16.72	266	395m	0.089	ng/ul	
12) Phenanthrene	17.09	178	1200m	0.022	ng/ul	
15) Fluoranthene	19.13	202	2451m	0.040	ng/ul	
17) Pyrene	19.49	202	2242	0.038	ng/ul#	78
18) Benzo(a)anthracene	21.29	228	1387	0.028	ng/ul#	77
19) Chrysene	21.34	228	1483	0.032	ng/ul#	83
21) Benzo(b)fluoranthene	22.90	252	2759m	0.042	ng/ul	

JU06/20/19

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