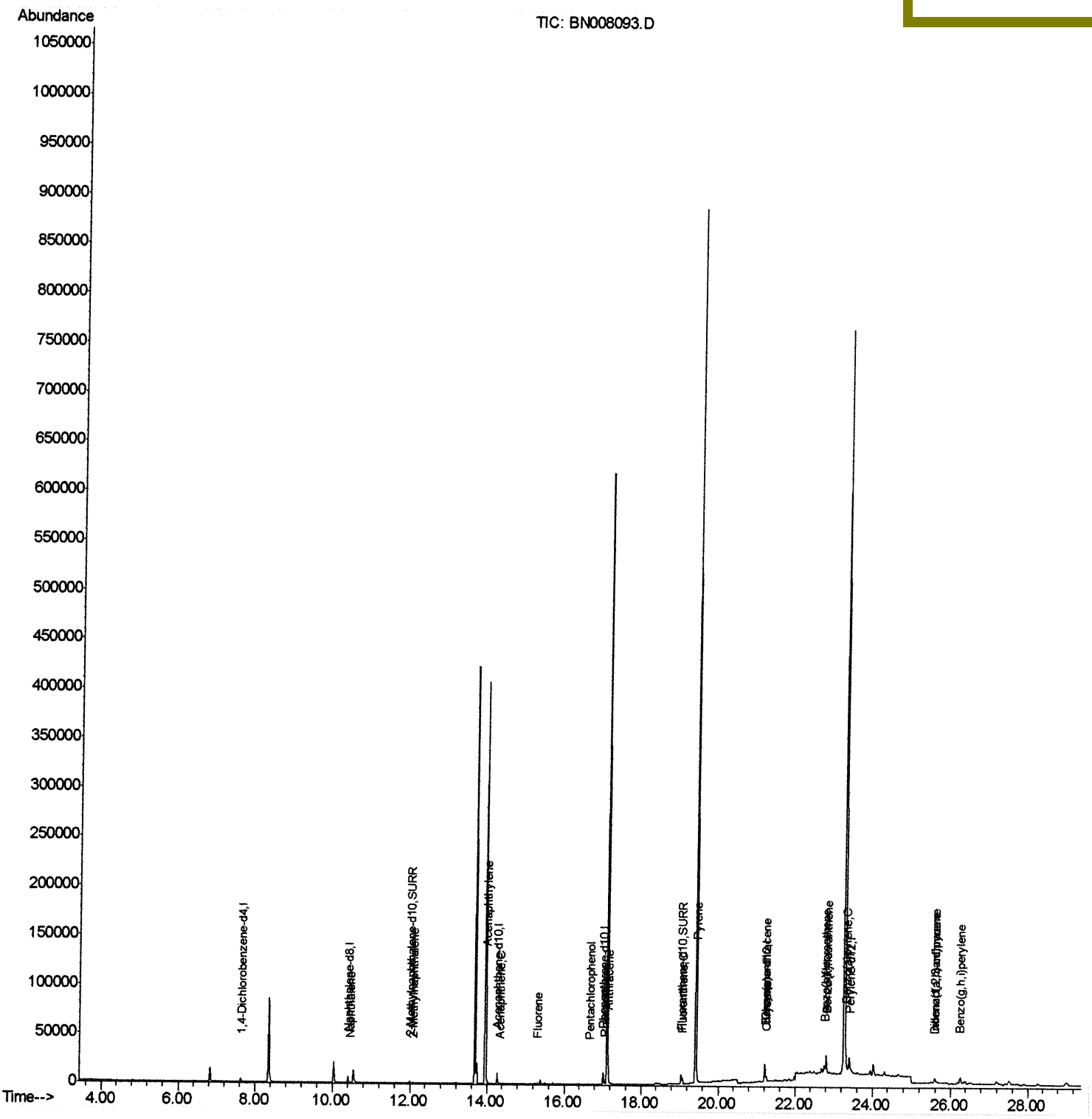
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:23:15 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



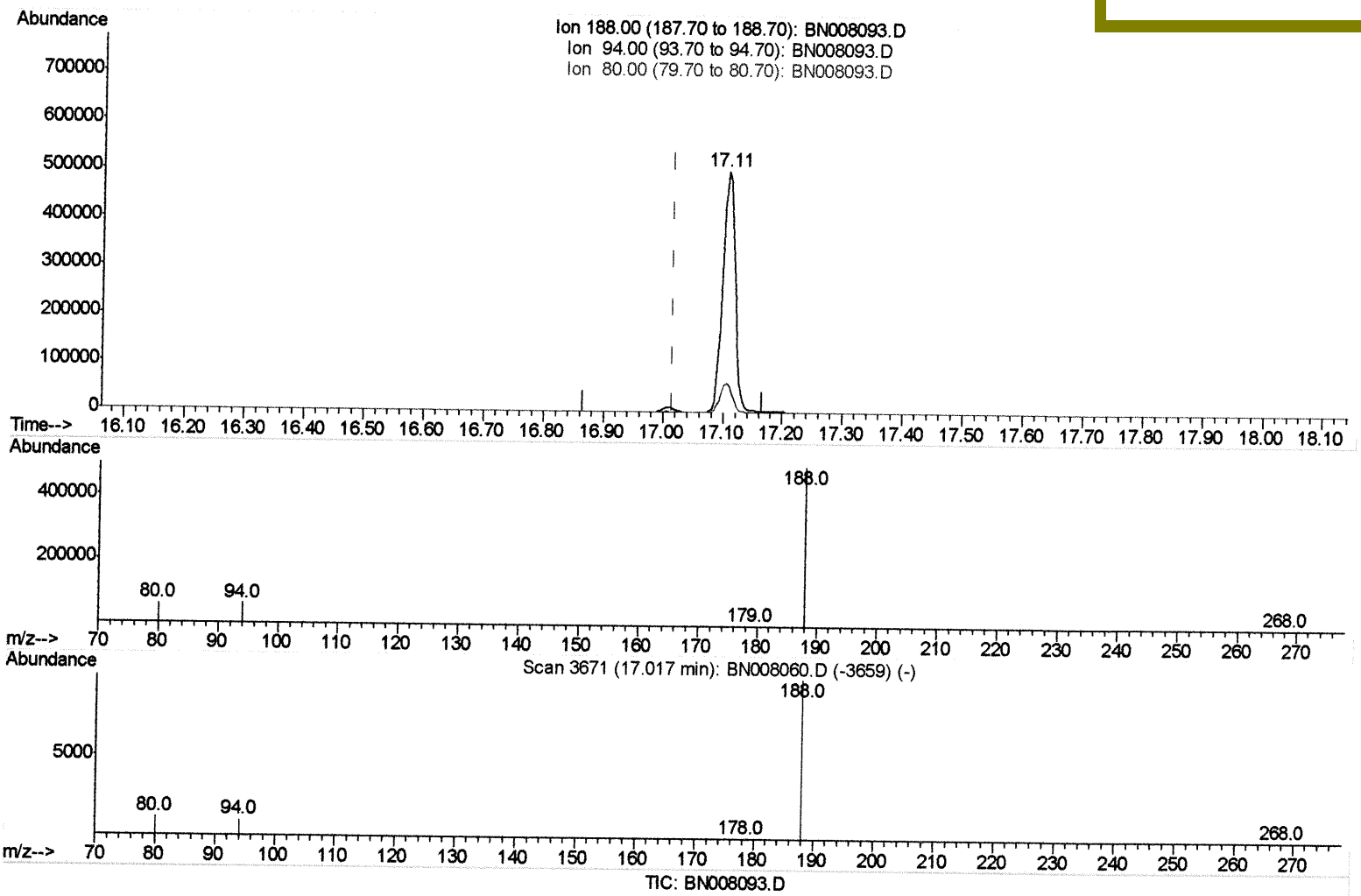
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:19:21 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 718321

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.23
80.00	12.60	11.86
0.00	0.00	0.00

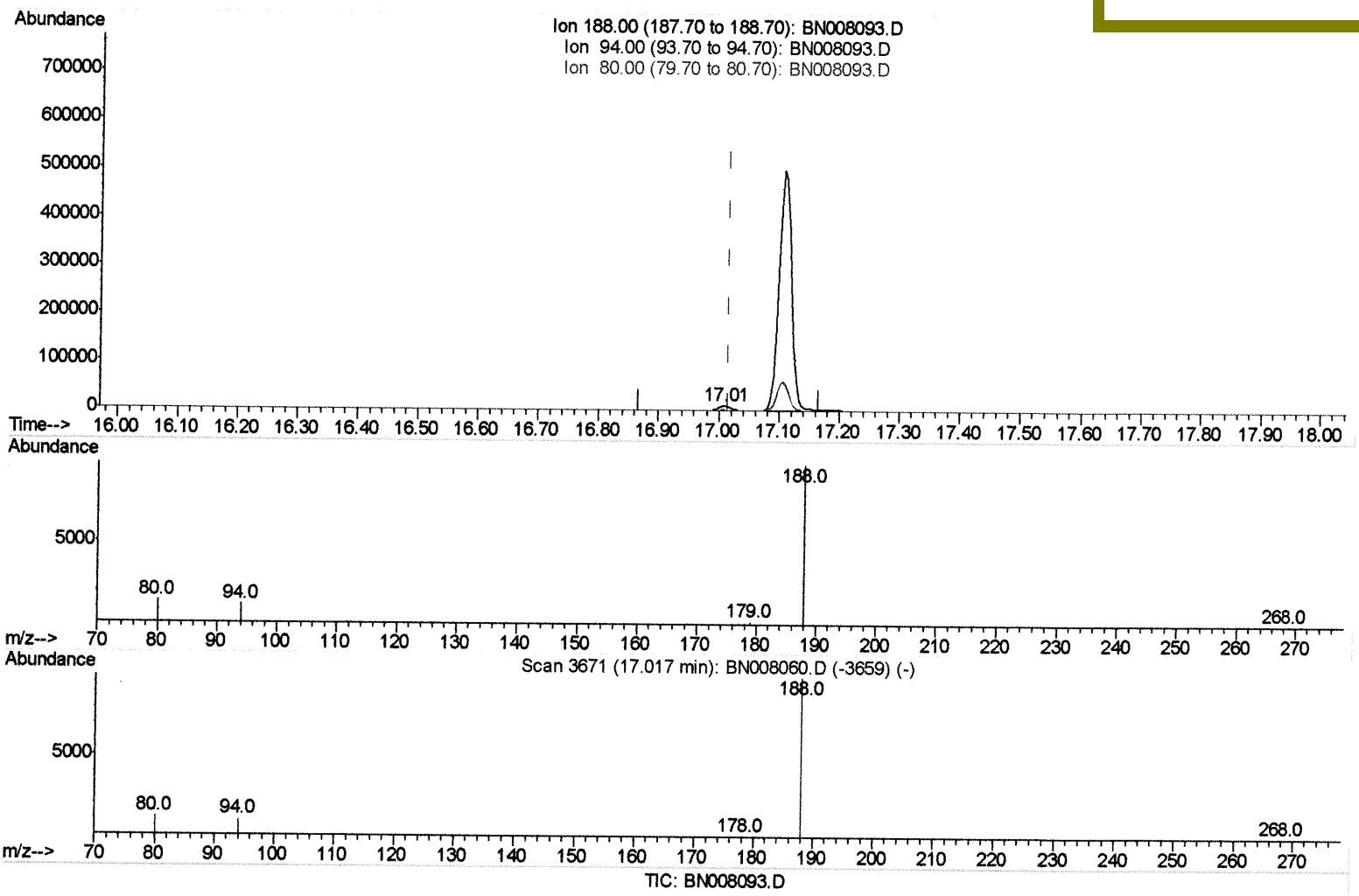
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:19:21 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



(10) Phenanthrene-d10 (I)

17.009min (-0.008) 0.40ng/ul m JU 10/16/19

response 13886

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.05
80.00	12.60	14.02
0.00	0.00	0.00

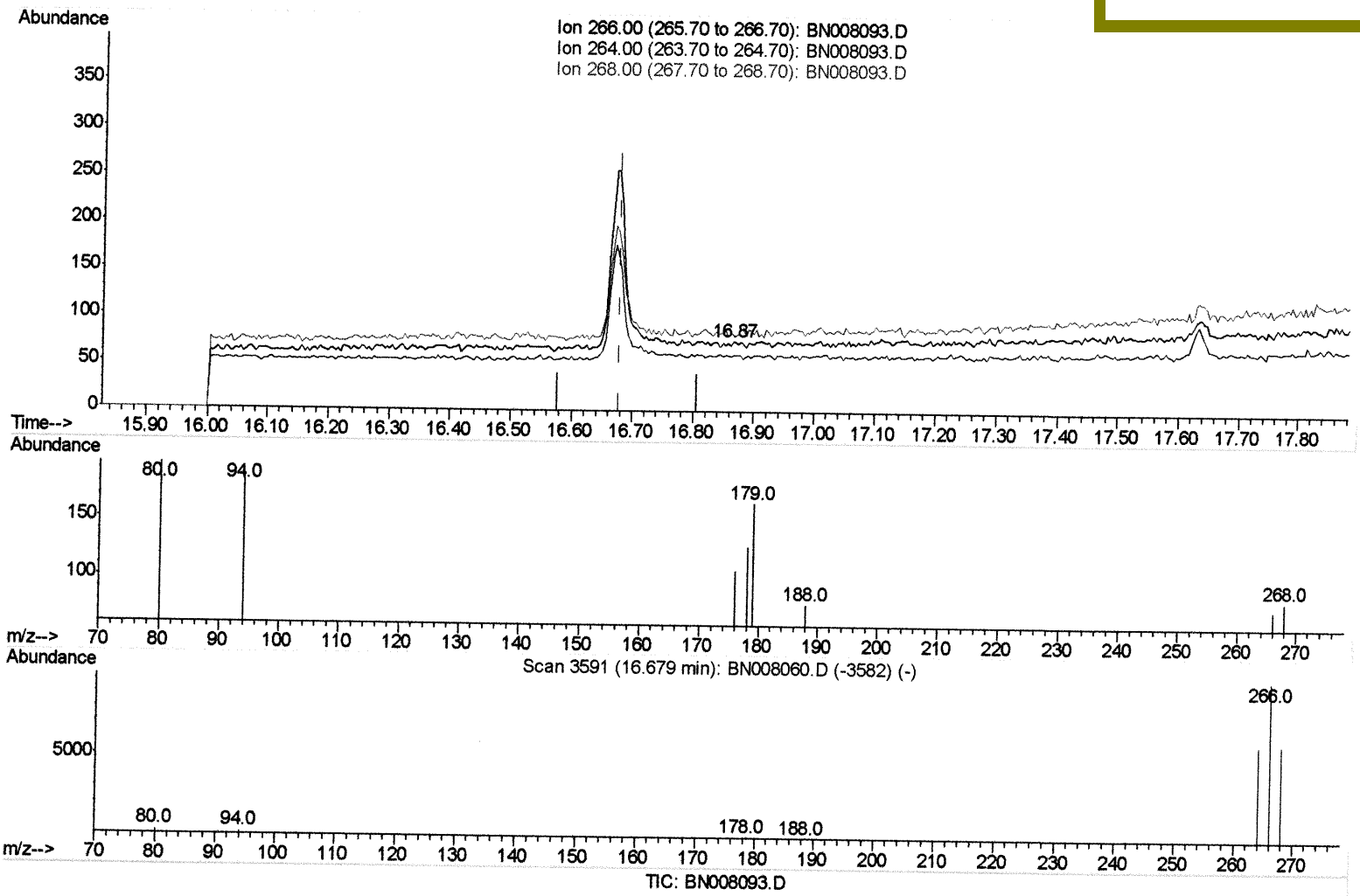
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:07 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(11) Pentachlorophenol

16.865min (+0.186) 0.00ng/ul

response 9

Ion	Exp%	Act%
266.00	100	100
264.00	62.60	0.00#
268.00	64.90	44.44#
0.00	0.00	0.00

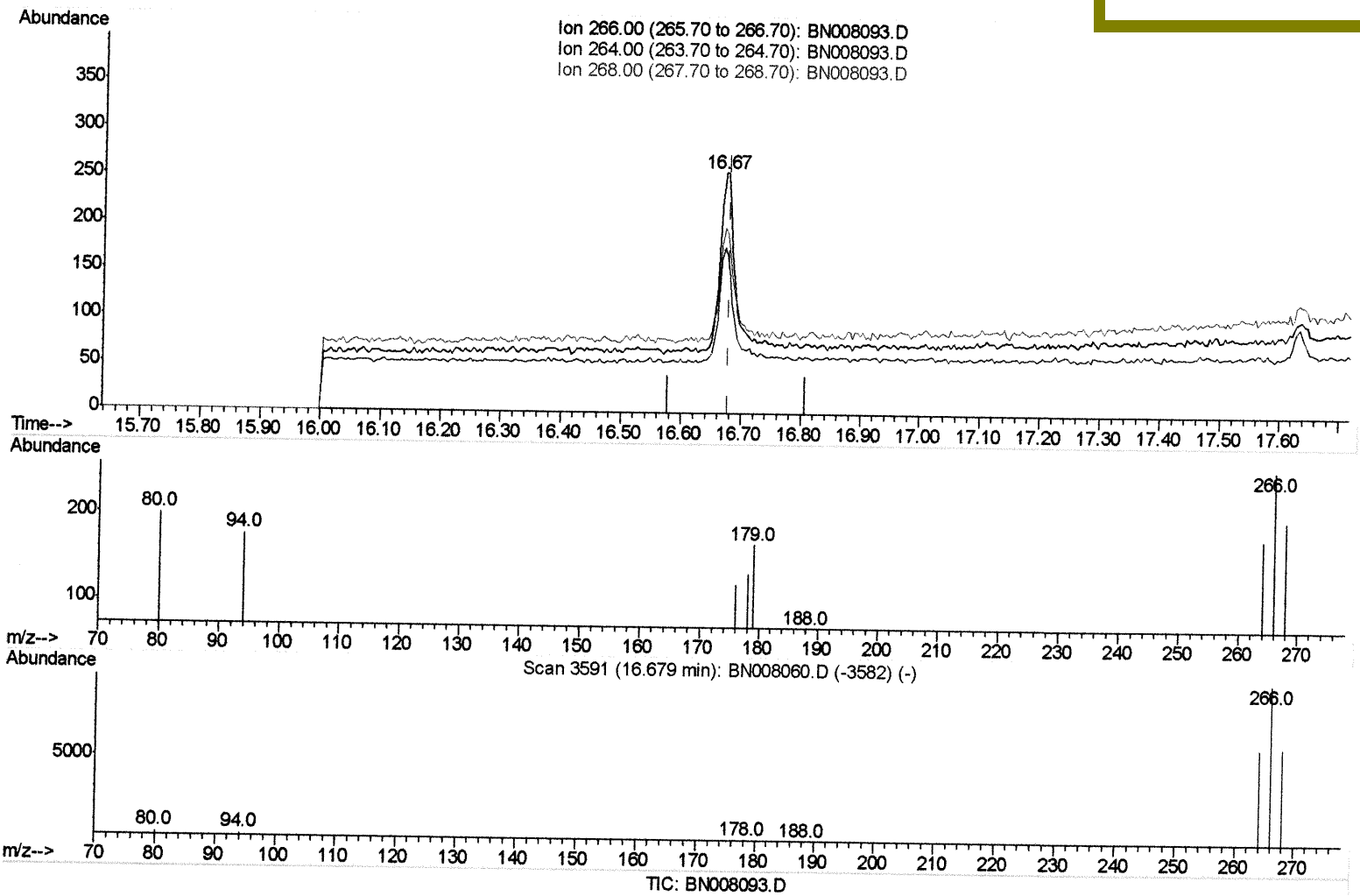
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:07 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(11) Pentachlorophenol

16.671min (-0.008) 0.09ng/ul m JU 10/16/19

response 318

Ion	Exp%	Act%
266.00	100	100
264.00	62.60	0.00#
268.00	64.90	1.26#
0.00	0.00	0.00

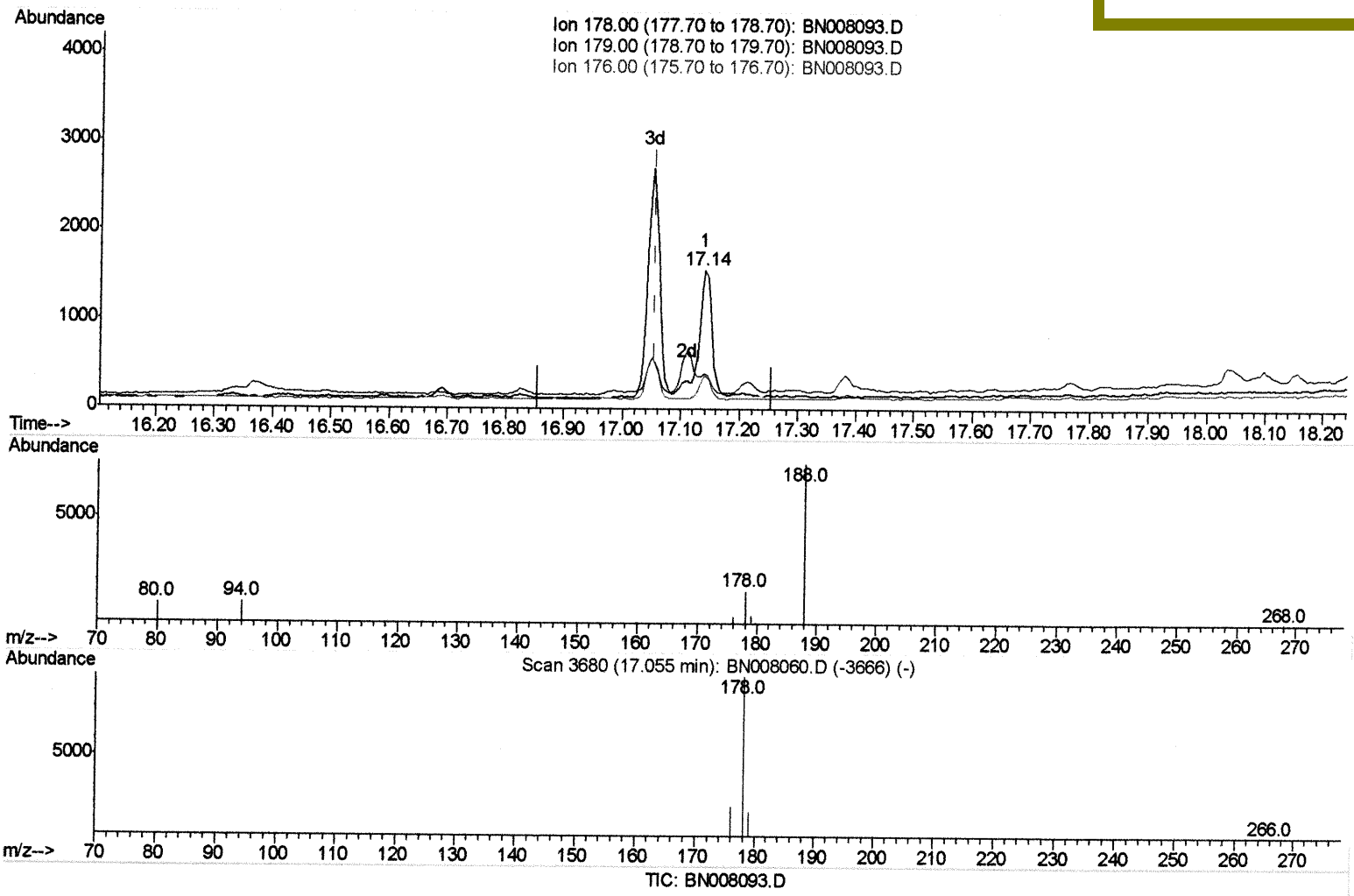
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:07 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(12) Phenanthrene

17.139min (+0.085) 0.05ng/ul

response 2015

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	25.80#
176.00	19.30	24.14#
0.00	0.00	0.00

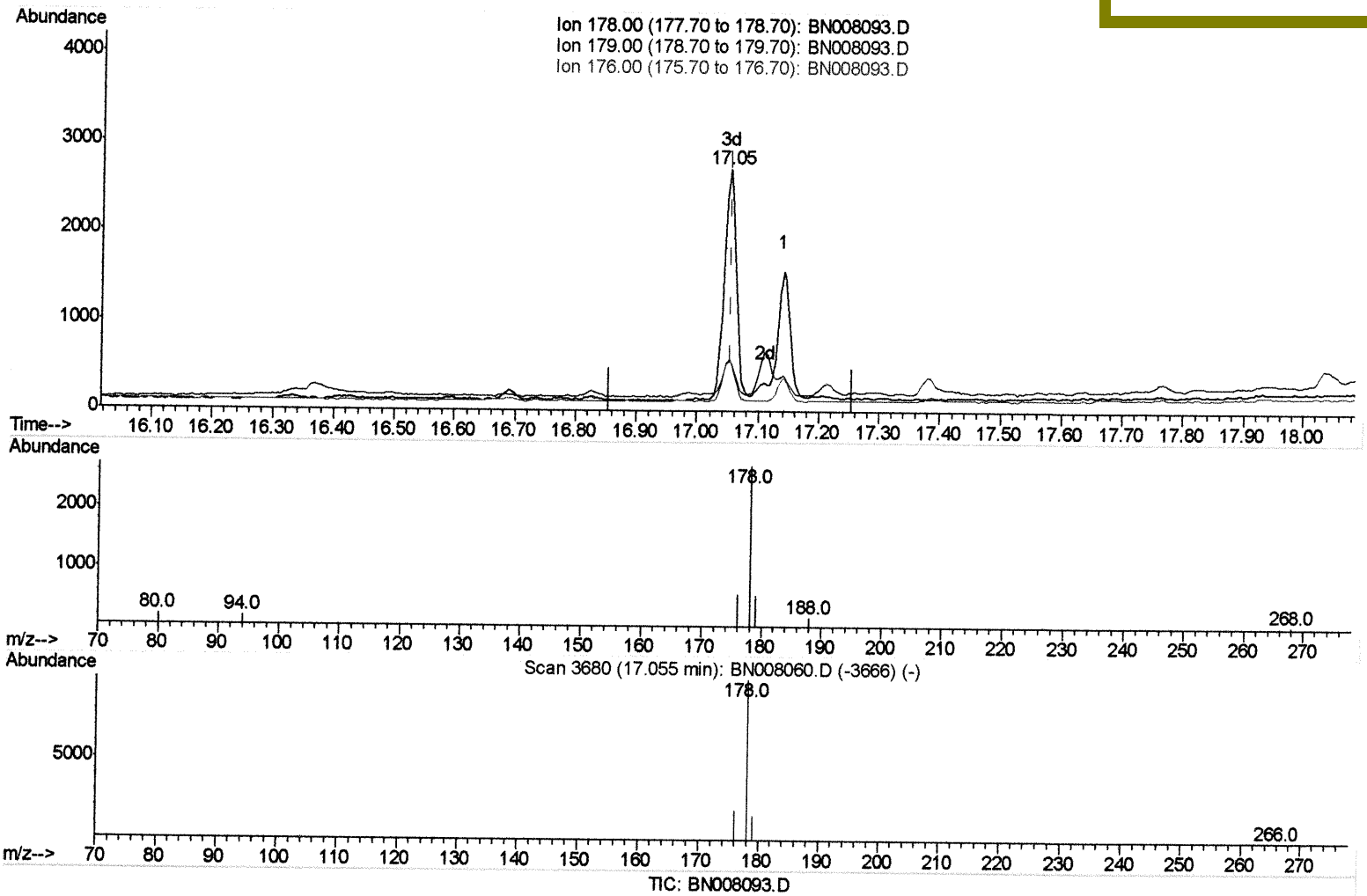
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:07 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(12) Phenanthrene

17.051min (-0.004) 0.09ng/ul m JL 10/16/19

response 3531

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	21.18#
176.00	19.30	21.77
0.00	0.00	0.00

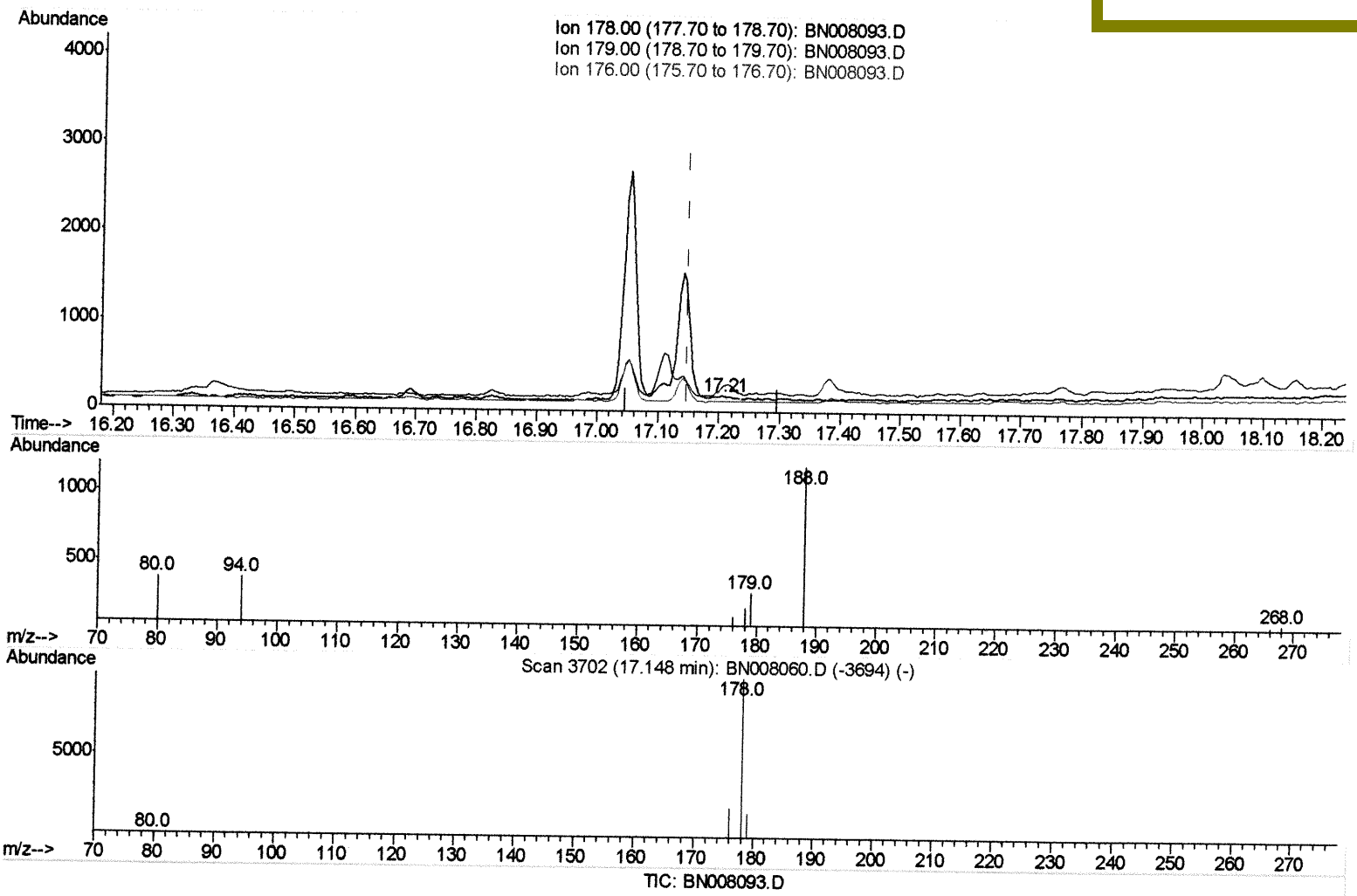
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:58 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(13) Anthracene

17.207min (+0.059) 0.00ng/ul

response 55

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	159.56#
176.00	18.80	67.76#
0.00	0.00	0.00

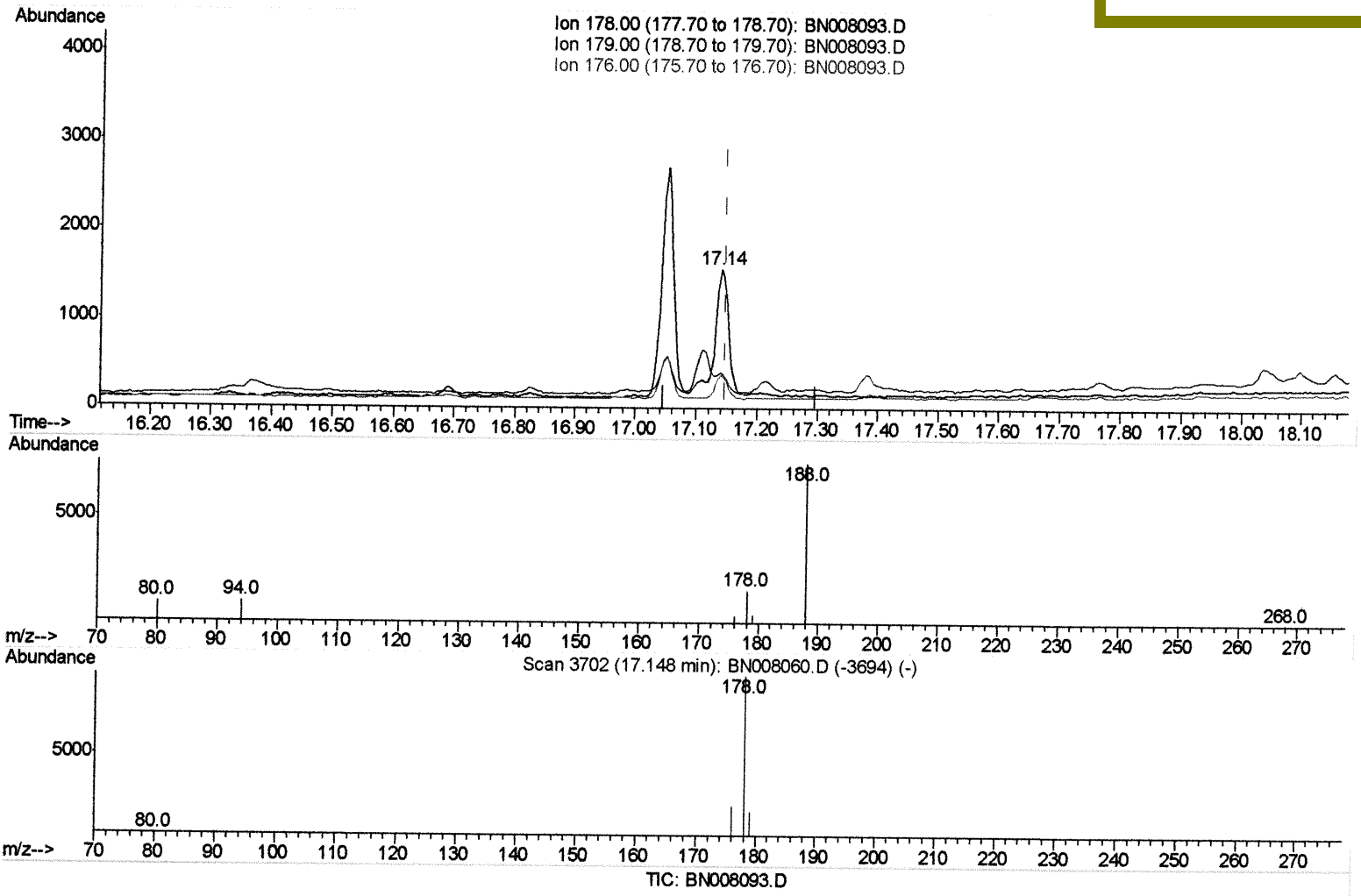
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:58 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(13) Anthracene

17.139min (-0.008) 0.05ng/ul m JU 10/16/19

response 1914

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	25.80#
176.00	18.80	24.14#
0.00	0.00	0.00

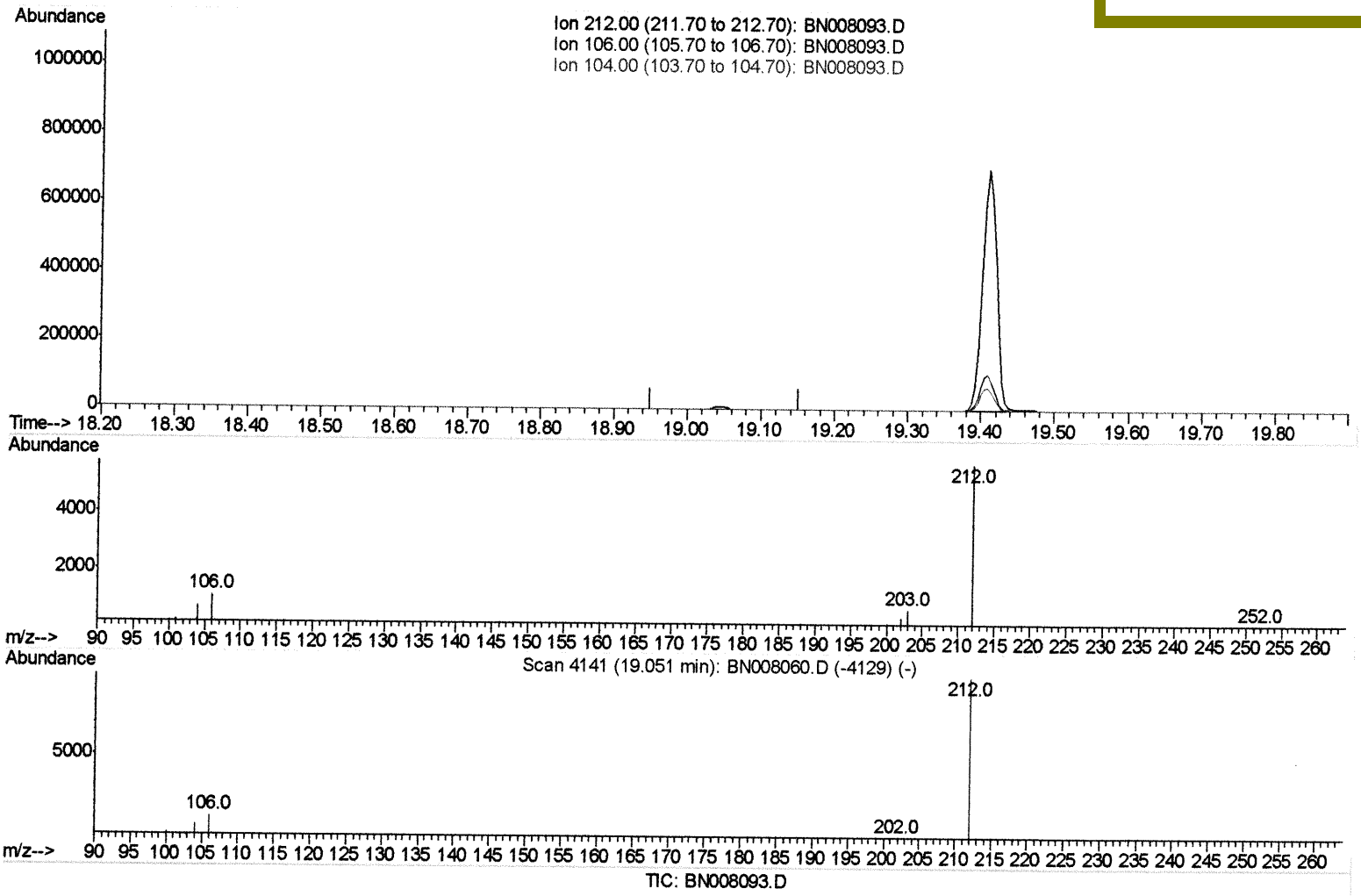
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:58 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



(14) Fluoranthene-d10 (SURR)

19.051min (-19.051) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

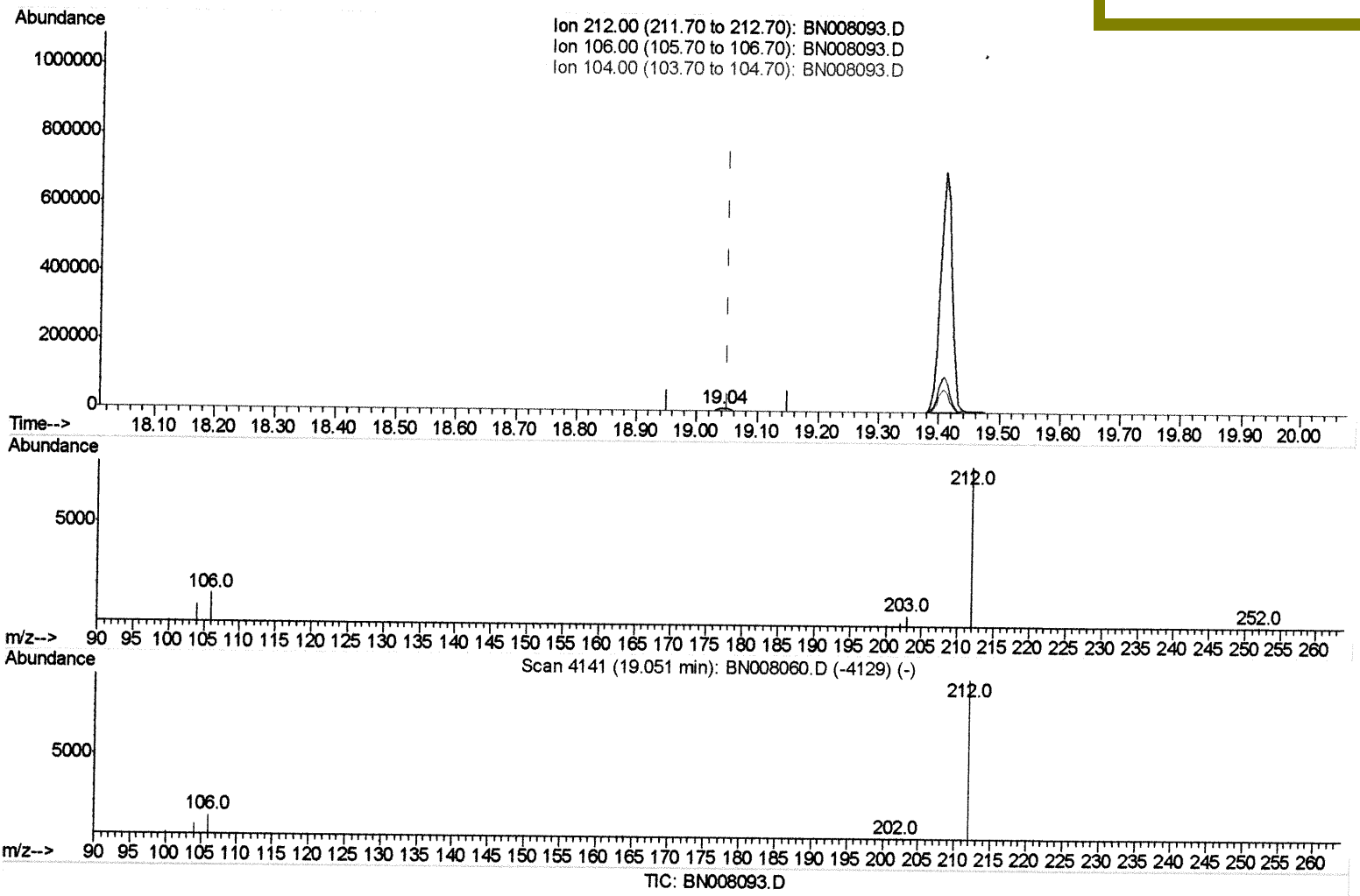
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:58 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(14) Fluoranthene-d10 (SURR)

19.042min (-0.009) 0.22ng/ul m JL 10/16/19

response 10695

Ion	Exp%	Act%
212.00	100	100
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

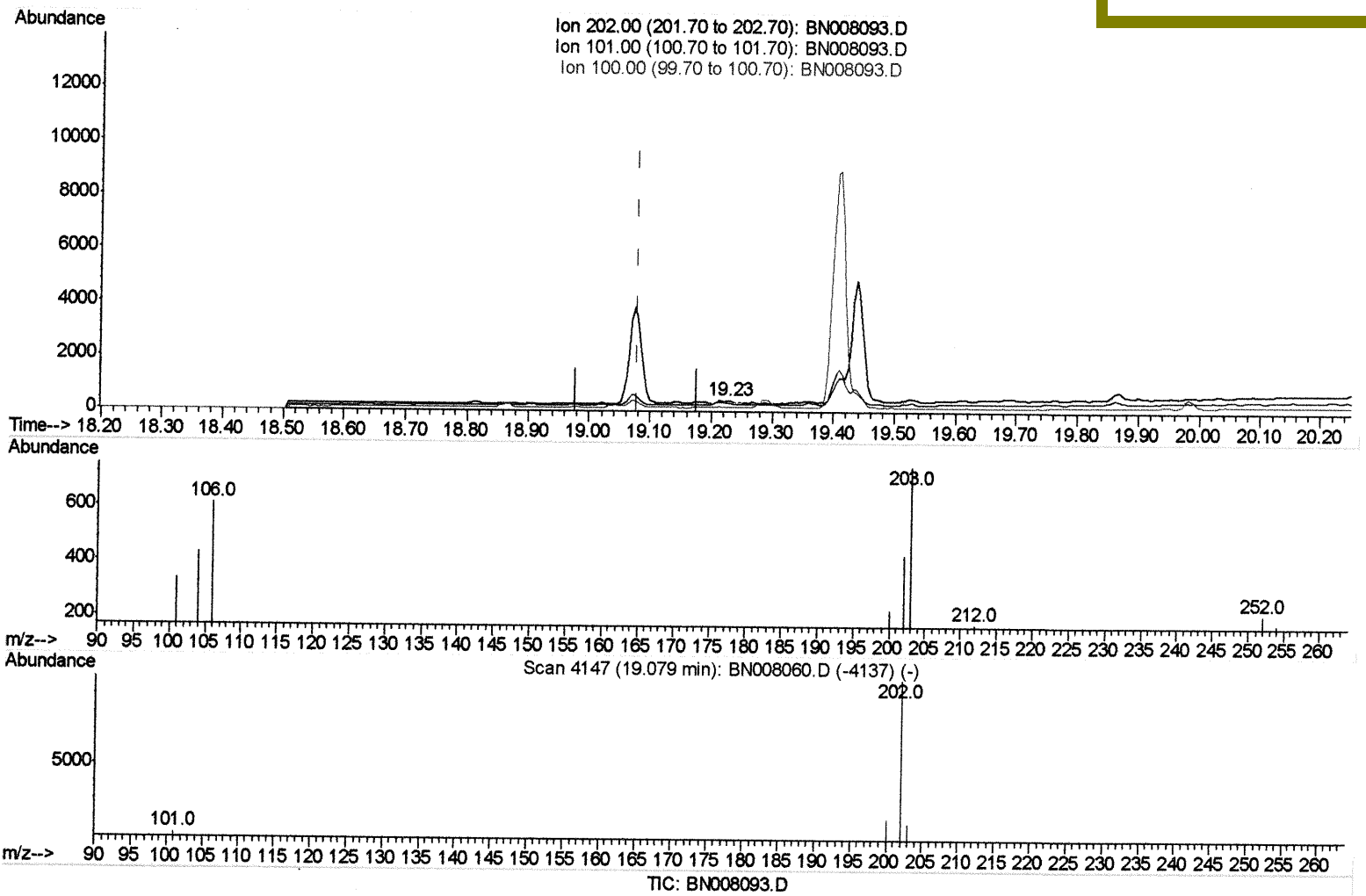
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:58 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



(15) Fluoranthene (C)

19.228min (+0.149) 0.00ng/ul

response 107

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	78.74#
100.00	8.50	39.02#
0.00	0.00	0.00

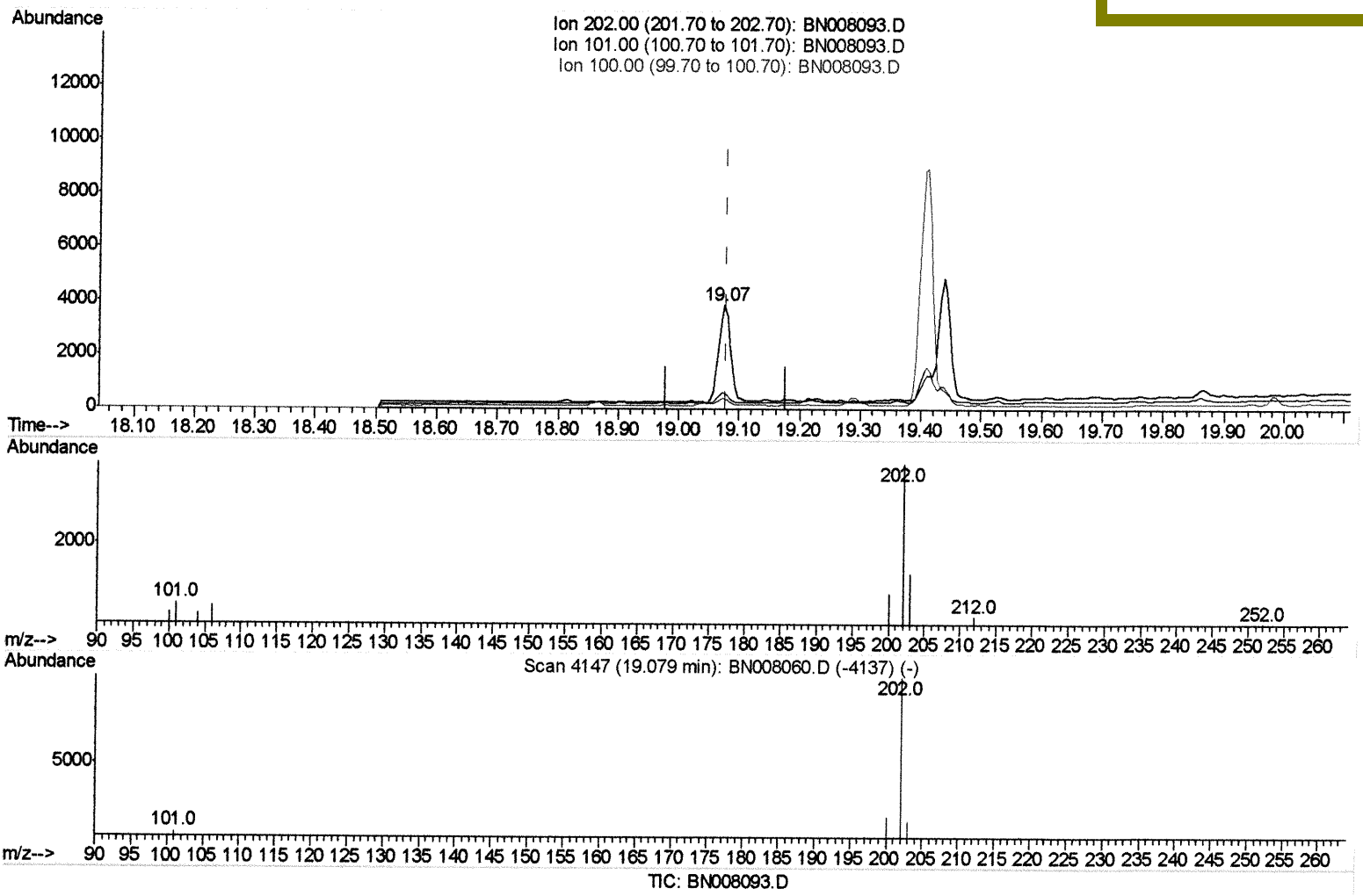
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:58 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(15) Fluoranthene (C)

19.074min (-0.005) 0.09ng/ul m JL 10/16/19

response 4853

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	16.13
100.00	8.50	10.46
0.00	0.00	0.00

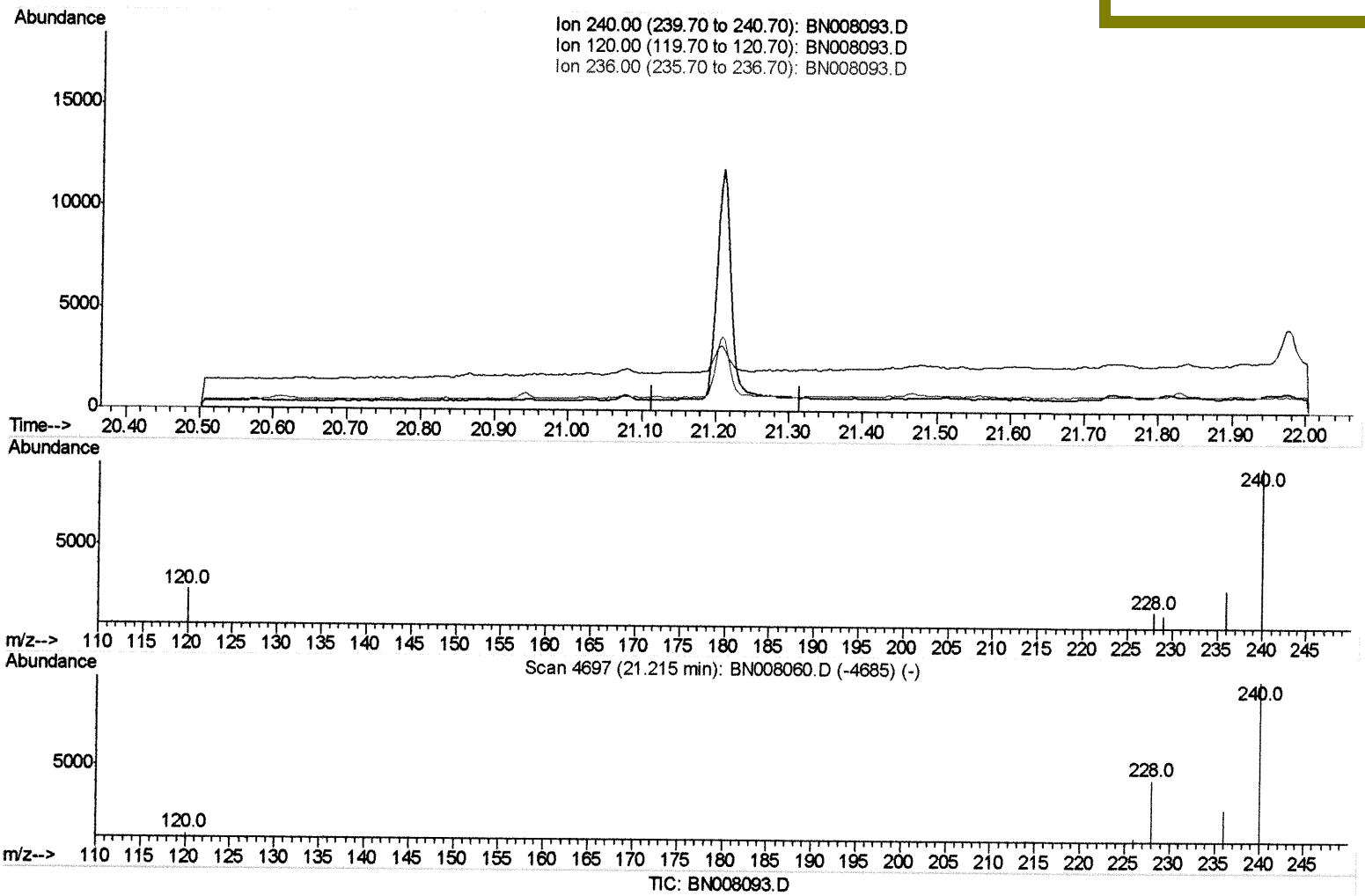
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:58 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



(16) Chrysene-d12 (I)

21.215min (-21.215) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.70	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

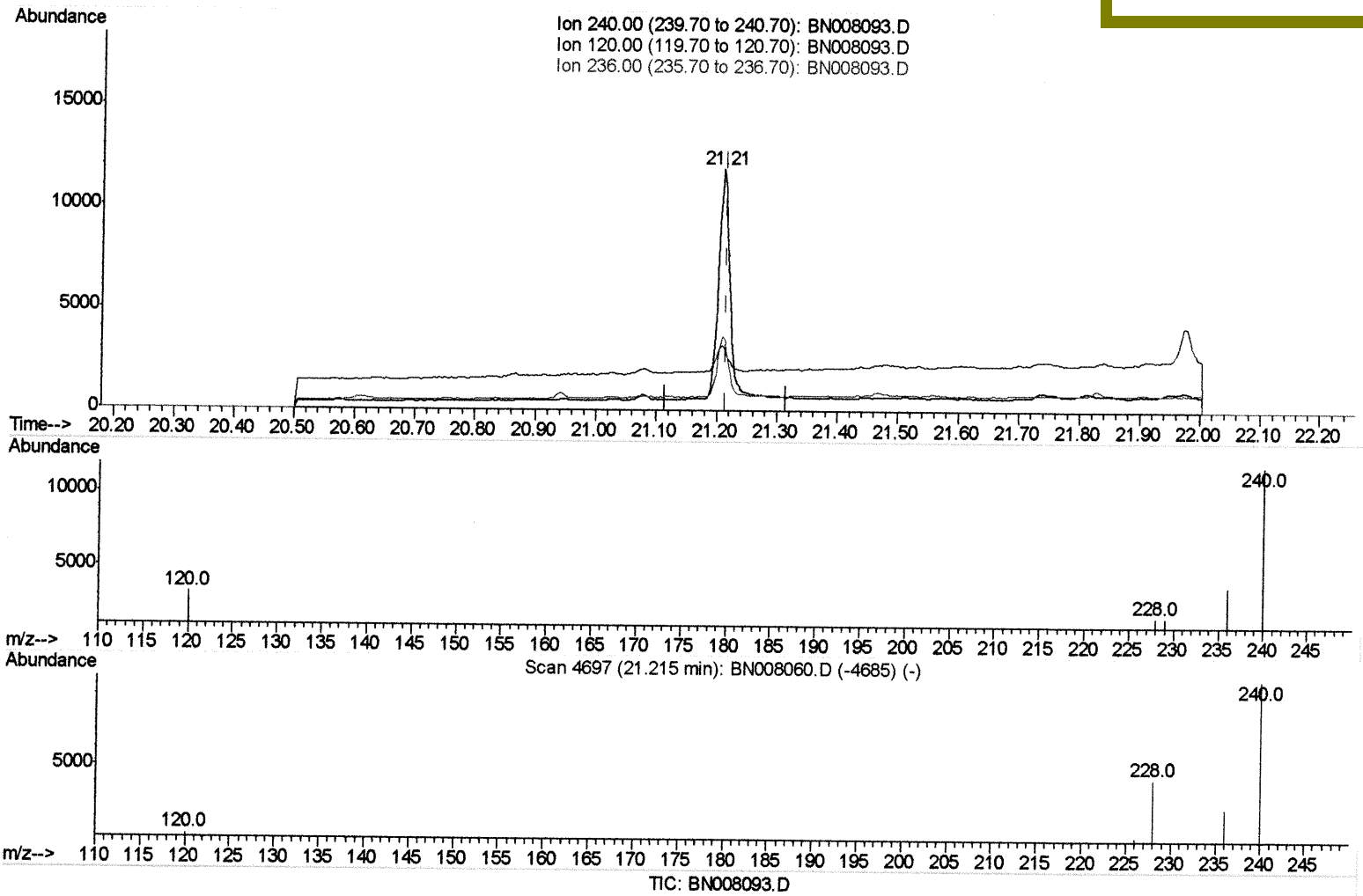
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:20:58 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(16) Chrysene-d12 (I)

21.210min (-0.006) 0.40ng/ul m JL 10/16/19

response 14880

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	26.91#
236.00	28.40	31.11
0.00	0.00	0.00

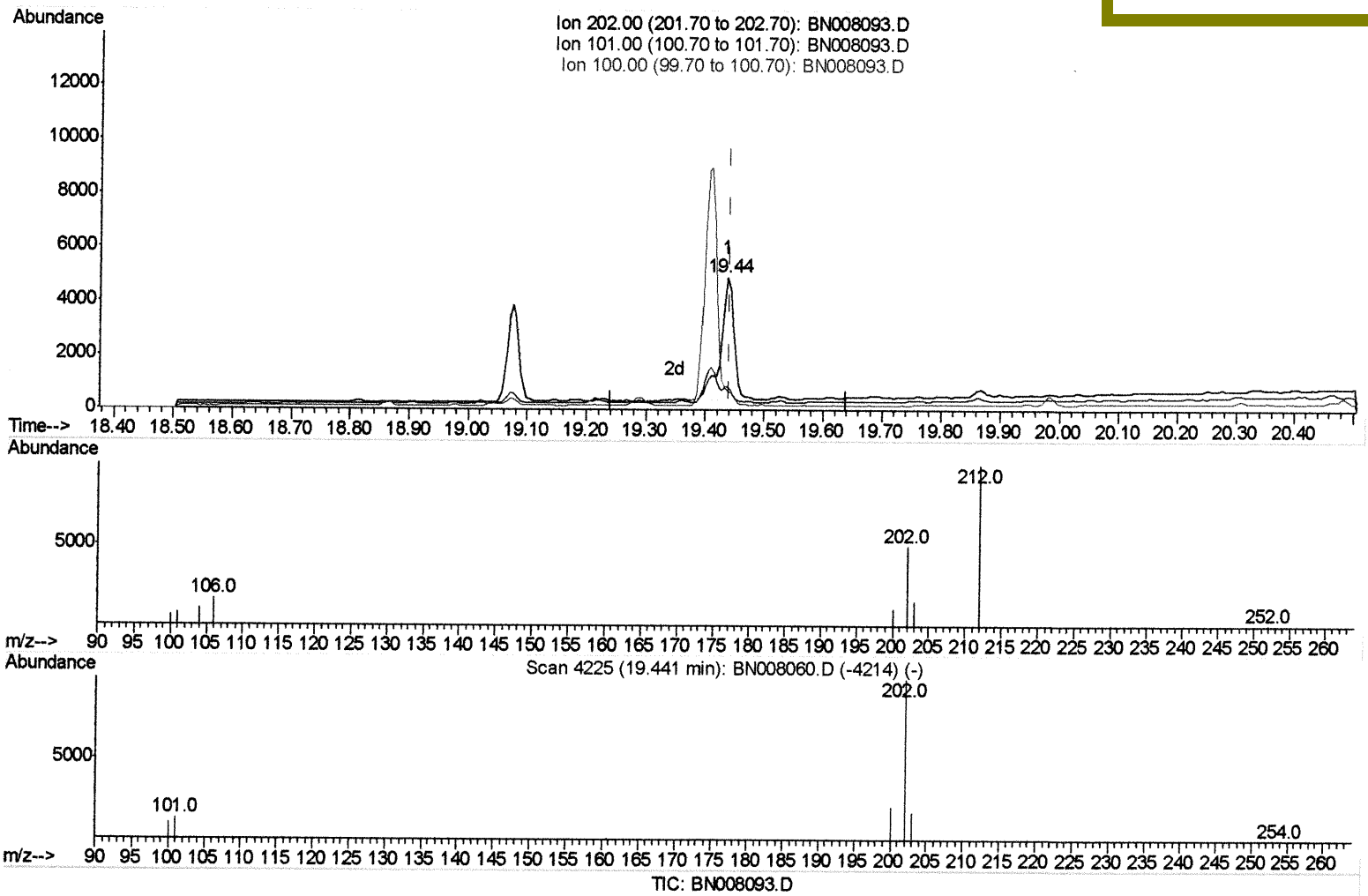
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:22:34 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



(17) Pyrene

19.437min (-0.005) 0.12ng/ul

response 7269

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	17.93#
100.00	10.90	15.27#
0.00	0.00	0.00

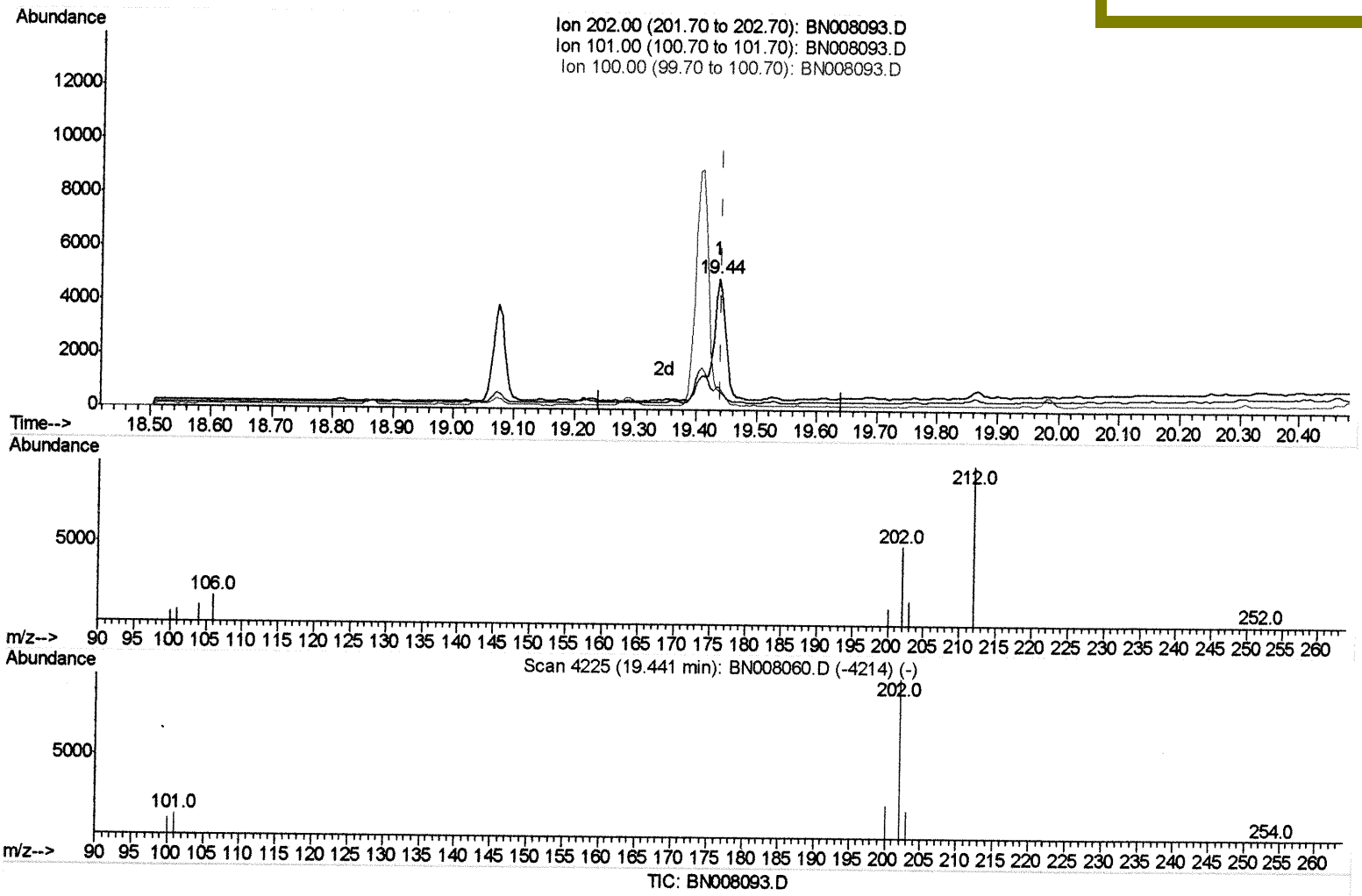
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Oct 13 01:22:34 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM



TIC: BN008093.D

(17) Pyrene

19.437min (-0.005) 0.10ng/ul m JM 10/16/19

response 5782

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	17.93#
100.00	10.90	15.27#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008093.D
Acq On : 12 Oct 2019 01:39
Operator : JU
Sample : K5124-04
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM66

Manual Integrations APPROVED
mohammad
10/15/2019 7:57:33 AM

Quant Time: Oct 13 01:23:15 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 : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1952	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	9188	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.26	164	5998	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	13886m	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	14880m	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	18910	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	3232	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	10695m	0.22	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.44	128	718	0.027	ng/ul#	66
5) 2-Methylnaphthalene	12.07	142	544	0.030	ng/ul	95
7) Acenaphthylene	13.98	152	1113	0.039	ng/ul#	79
8) Acenaphthene	14.32	153	641	0.029	ng/ul#	93
9) Fluorene	15.31	166	1060	0.042	ng/ul#	87
11) Pentachlorophenol	16.67	266	318m	0.095	ng/ul	
12) Phenanthrene	17.05	178	3531m	0.087	ng/ul	
13) Anthracene	17.14	178	1914m	0.053	ng/ul	
15) Fluoranthene	19.07	202	4853m	0.090	ng/ul	
17) Pyrene	19.44	202	5782m	0.098	ng/ul	
18) Benzo(a)anthracene	21.19	228	4418	0.082	ng/ul#	55
19) Chrysene	21.24	228	6826	0.103	ng/ul#	66
21) Benzo(b)fluoranthene	22.75	252	8077	0.131	ng/ul#	1
22) Benzo(k)fluoranthene	22.79	252	4735	0.068	ng/ul#	1
23) Benzo(a)pyrene	23.31	252	5195	0.080	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.58	276	6332	0.083	ng/ul#	41
25) Dibenzo(a,h)anthracene	25.59	278	4100	0.068	ng/ul#	1
26) Benzo(g,h,i)perylene	26.24	276	13253	0.189	ng/ul#	78

JU 10/16/19

JU 10/16/19

JU 10/16/19

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