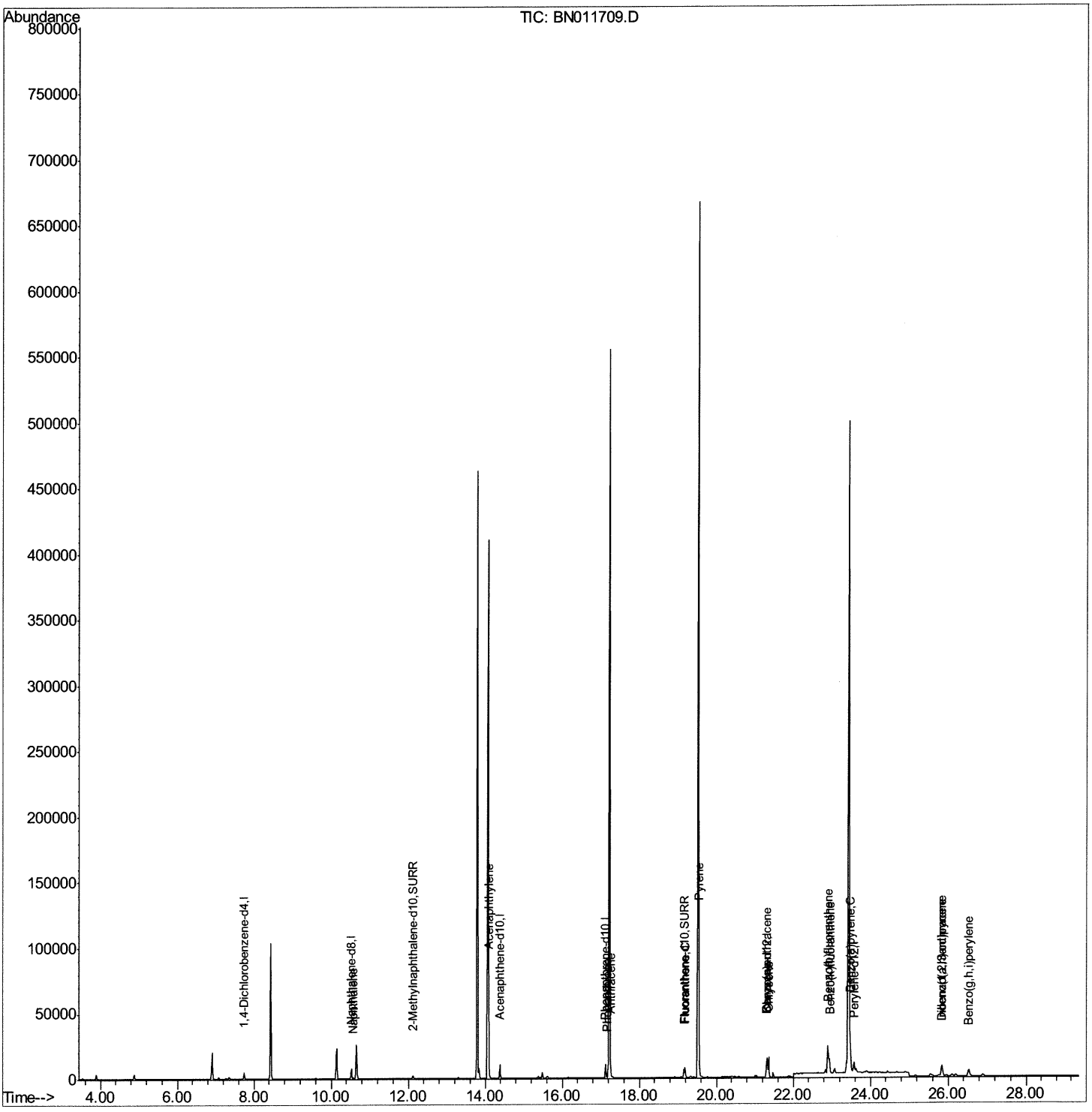
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 01:51:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM



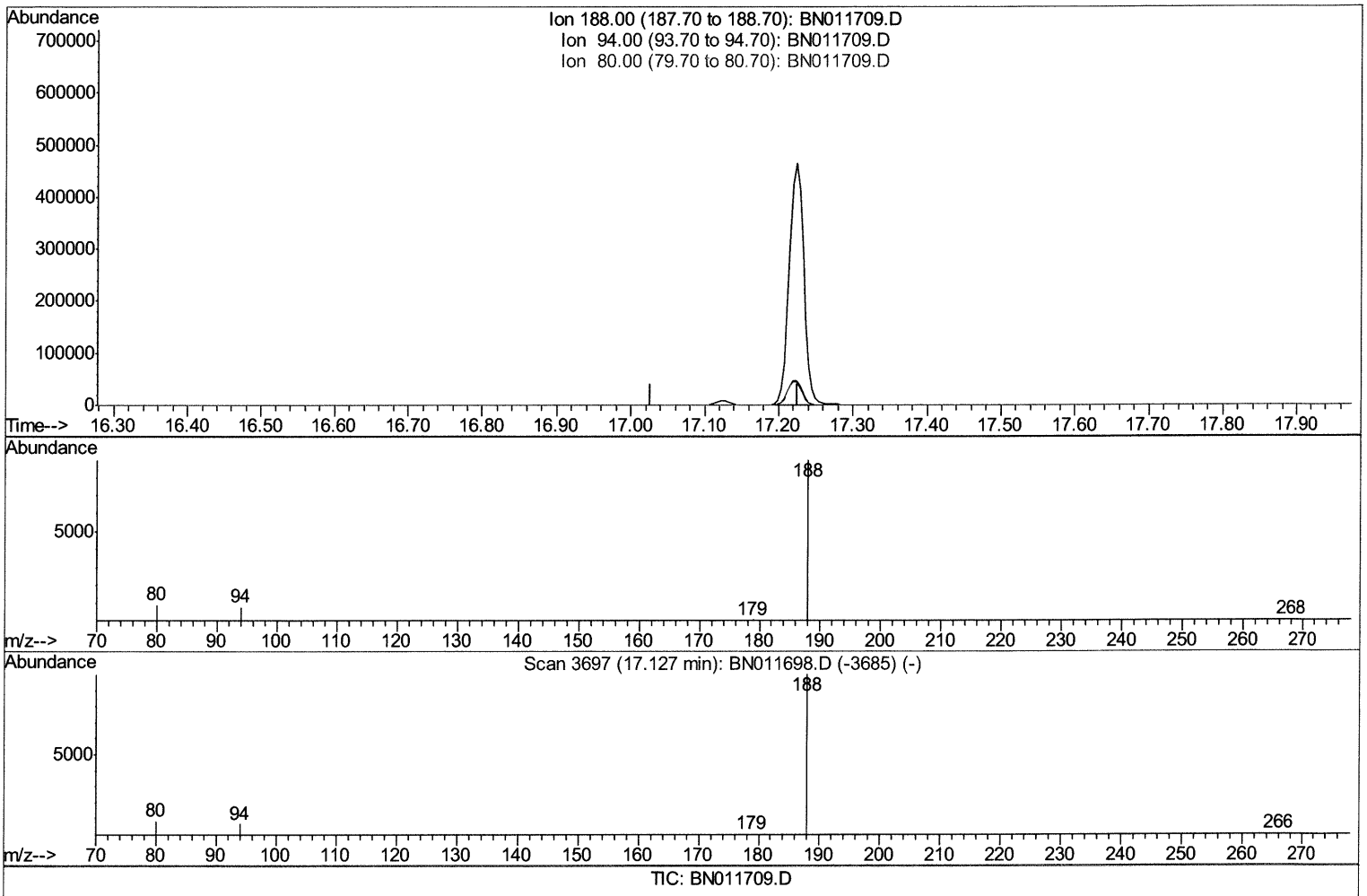
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 01:44:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM



TIC: BN011709.D

(10) Phenanthrene-d10 (I)

17.127min (-17.127) 0.00ng/ul

response 0

Ion	Exp%	Act%
188.00	100	0.00
94.00	8.20	0.00#
80.00	9.00	0.00#
0.00	0.00	0.00

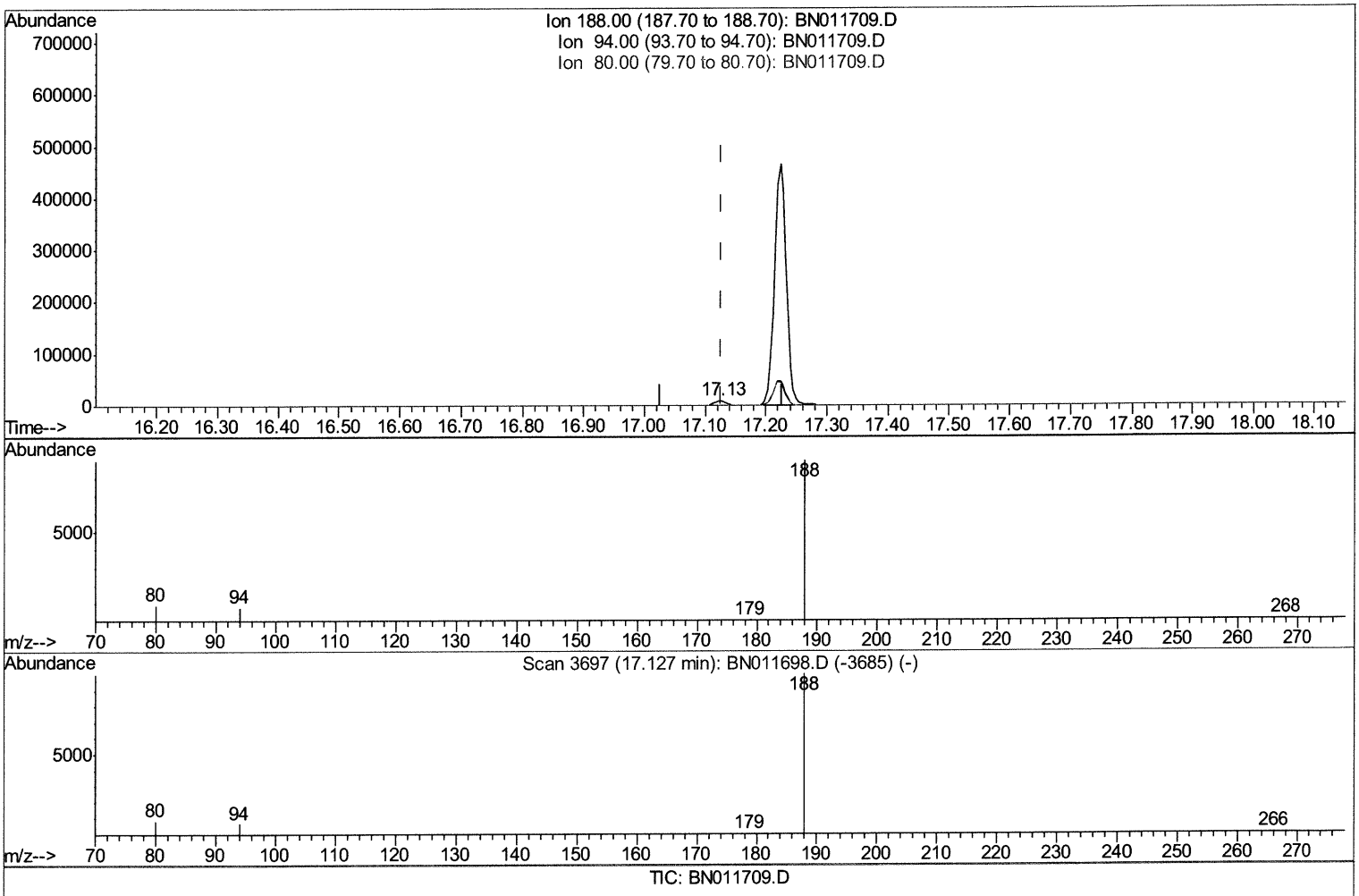
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 01:44:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM



TIC: BN011709.D

(10) Phenanthrene-d10 (I)

17.127min (-0.000) 0.40ng/ul m 09/09/20 JU

response 12143

Ion	Exp%	Act%
188.00	100	100
94.00	8.20	8.85
80.00	9.00	10.29
0.00	0.00	0.00

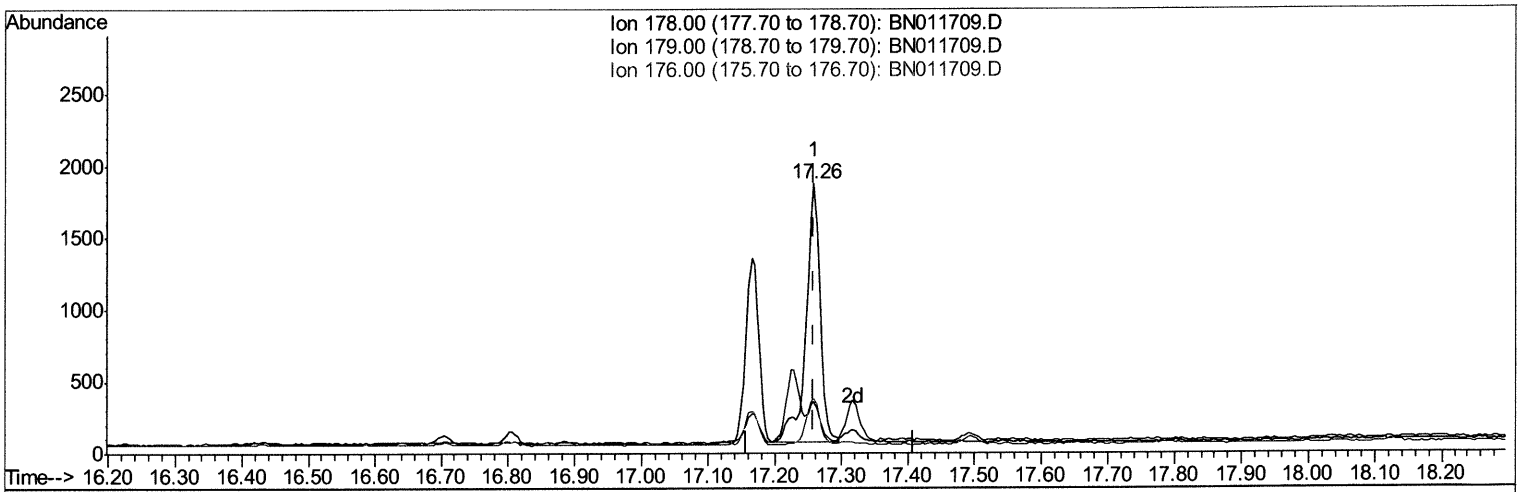
Quantitation Report (Qedit)

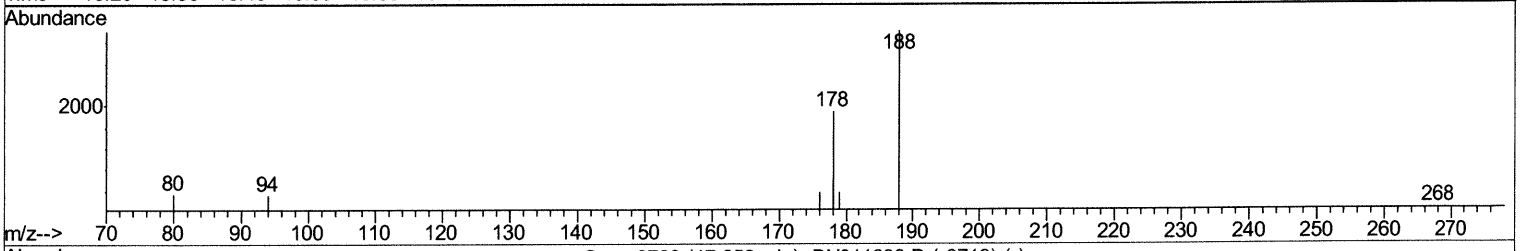
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

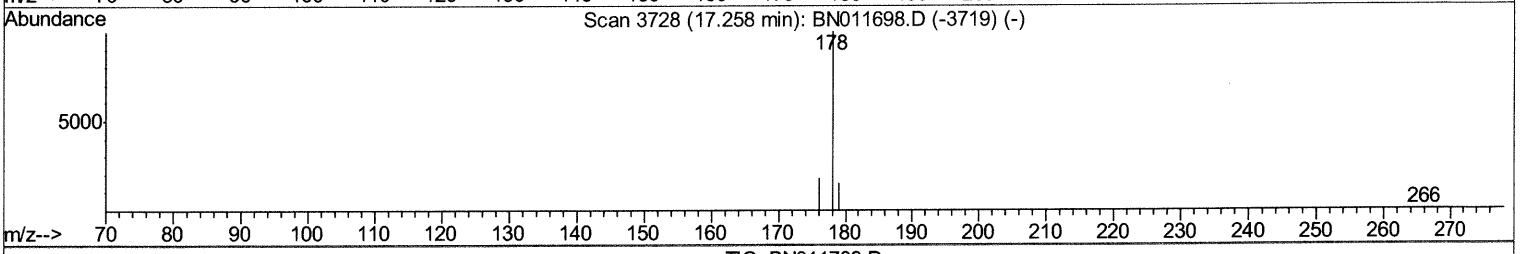
Quant Time: Sep 05 01:49:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM







TIC: BN011709.D

(13) Anthracene

17.258min (-0.000) 0.08ng/ul

response 2644

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	19.26
176.00	19.80	20.27
0.00	0.00	0.00

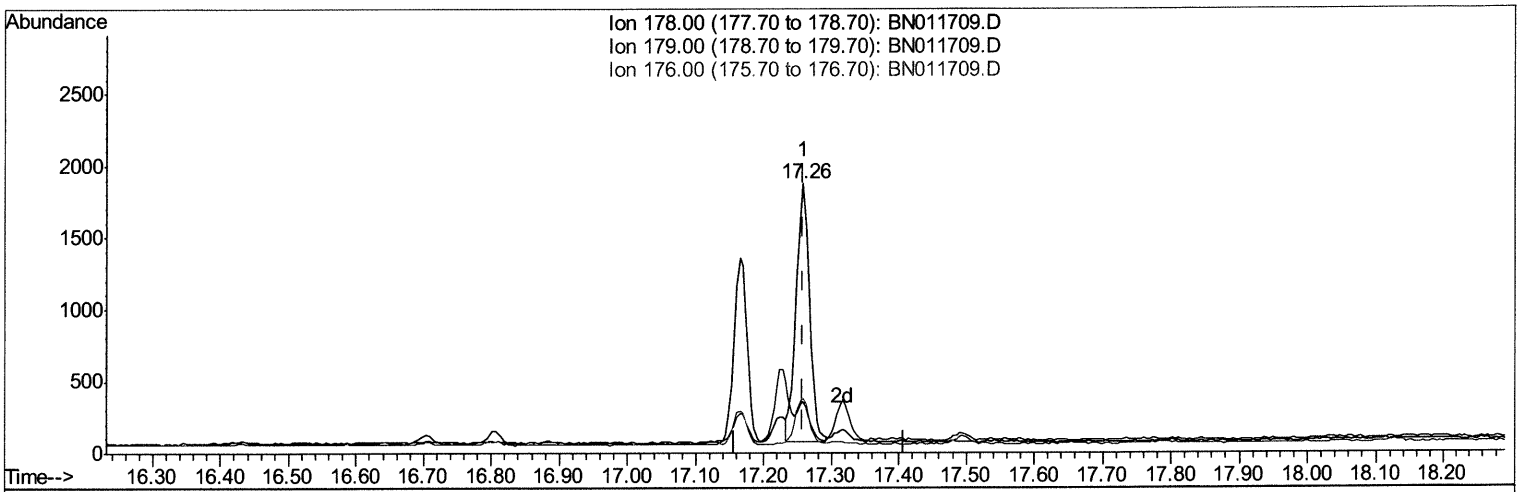
Quantitation Report (Qedit)

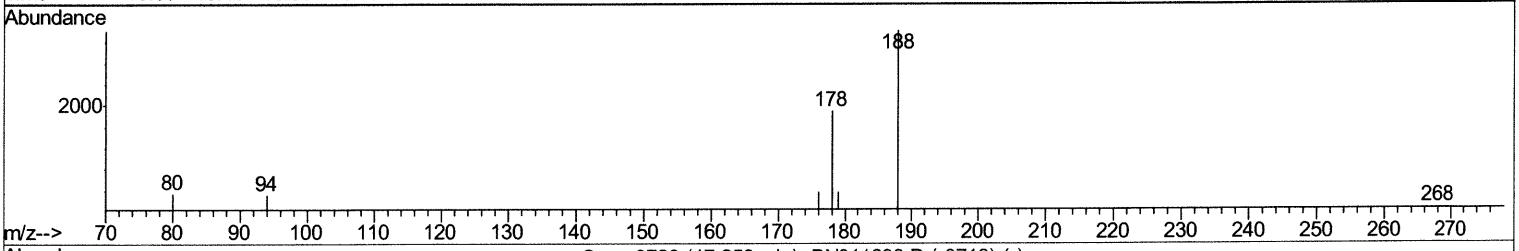
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

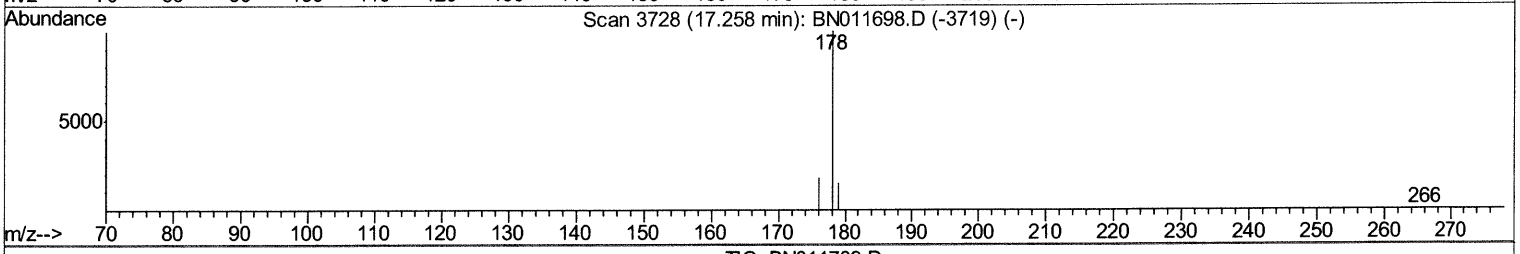
Quant Time: Sep 05 01:49:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM







TIC: BN011709.D

(13) Anthracene

17.258min (-0.000) 0.07ng/ul m 09/09/20 JU

response 2432

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	19.26
176.00	19.80	20.27
0.00	0.00	0.00

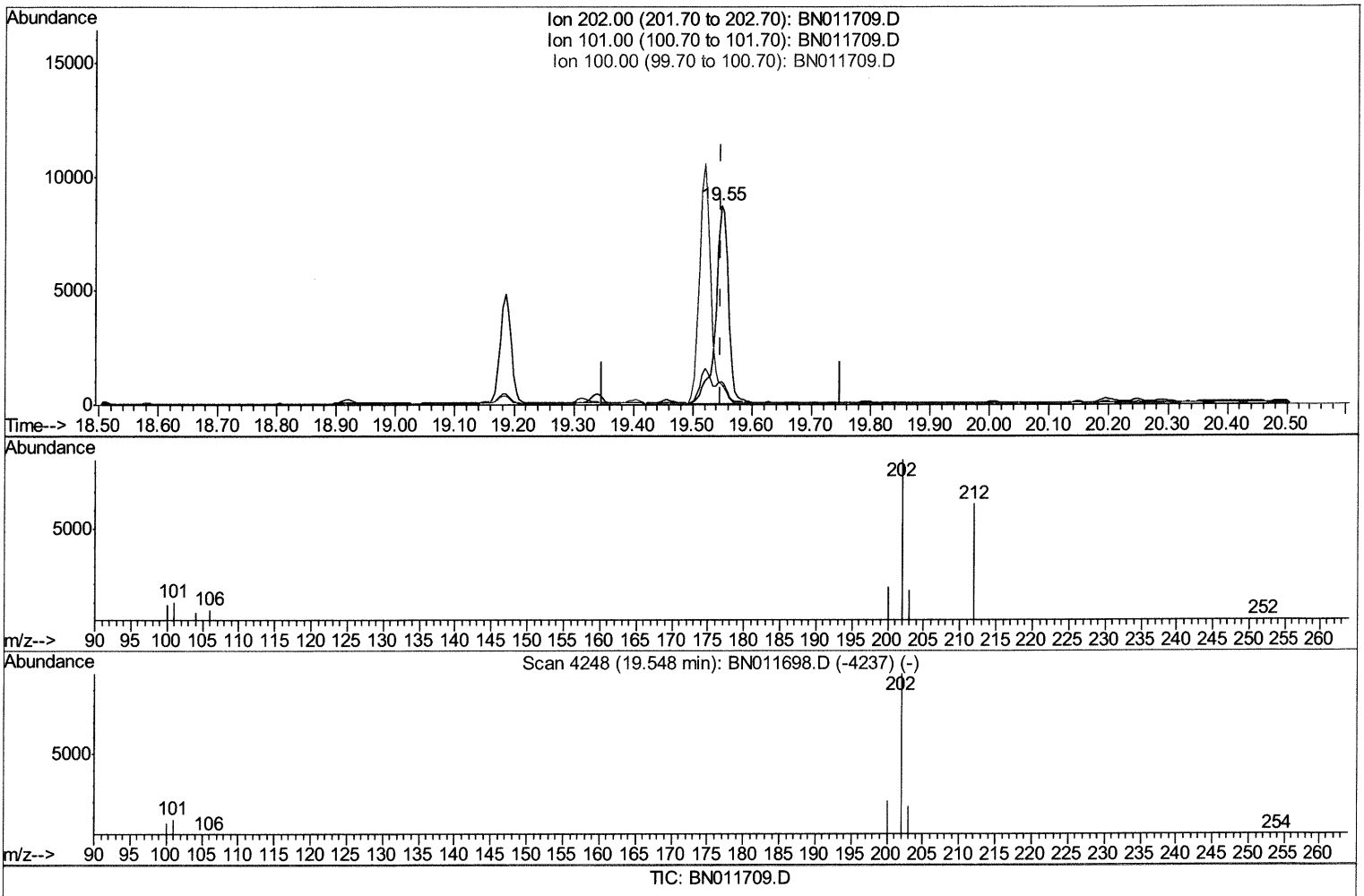
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 01:49:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM



(17) Pyrene

19.548min (-0.000) 0.32ng/ul

response 13078

Ion	Exp%	Act%
202.00	100	100
101.00	9.10	11.70#
100.00	8.40	10.51#
0.00	0.00	0.00

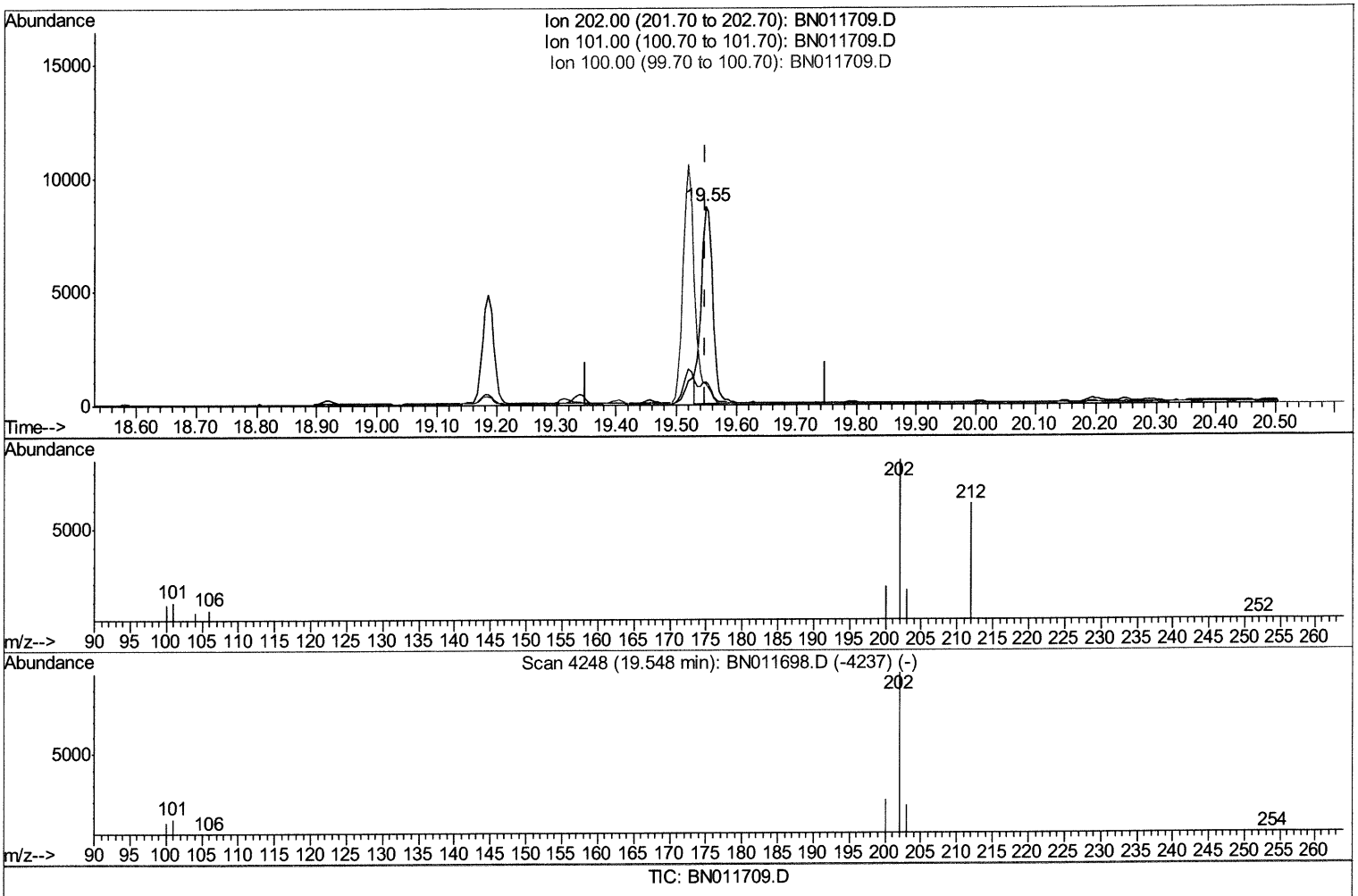
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 01:49:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM



TIC: BN011709.D

(17) Pyrene

19.548min (-0.000) 0.29ng/ul m 09/09/20 JU

response 11767

Ion	Exp%	Act%
202.00	100	100
101.00	9.10	11.70#
100.00	8.40	10.51#
0.00	0.00	0.00

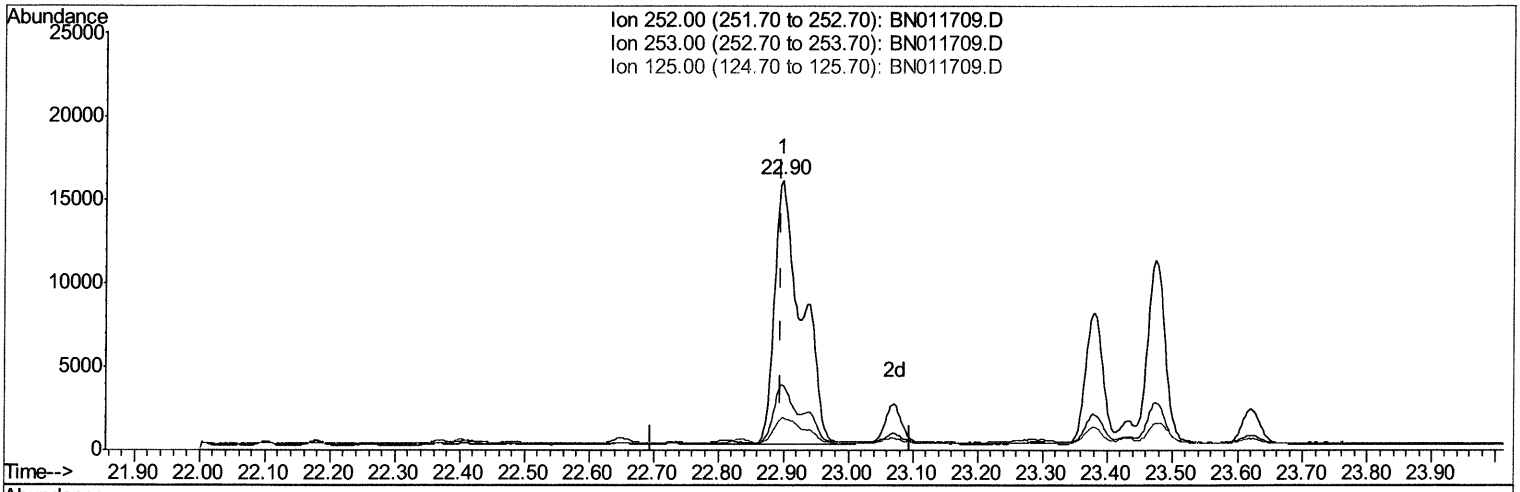
Quantitation Report (Qedit)

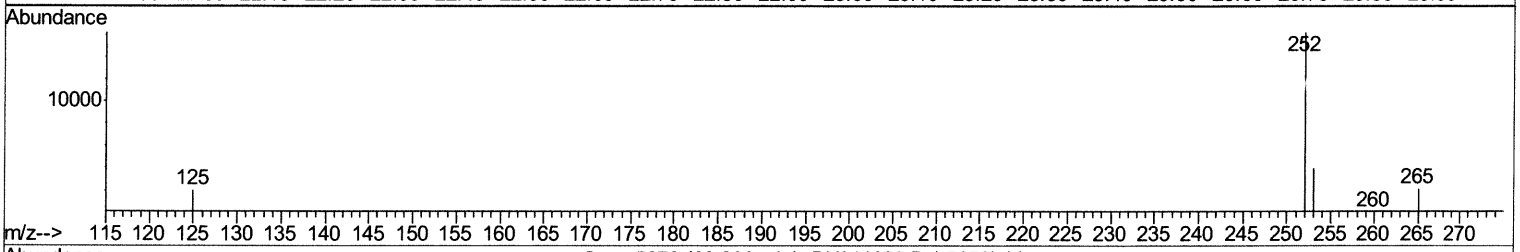
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

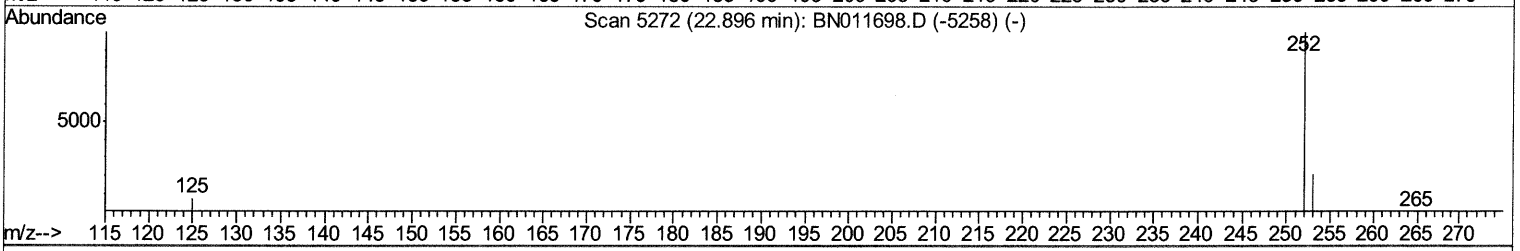
Quant Time: Sep 05 01:49:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM







TIC: BN011709.D

(21) Benzo(b)fluoranthene

22.899min (+0.003) 1.01ng/ul

response 46198

Ion	Exp%	Act%
252.00	100	100
253.00	27.40	24.32
125.00	11.10	12.11
0.00	0.00	0.00

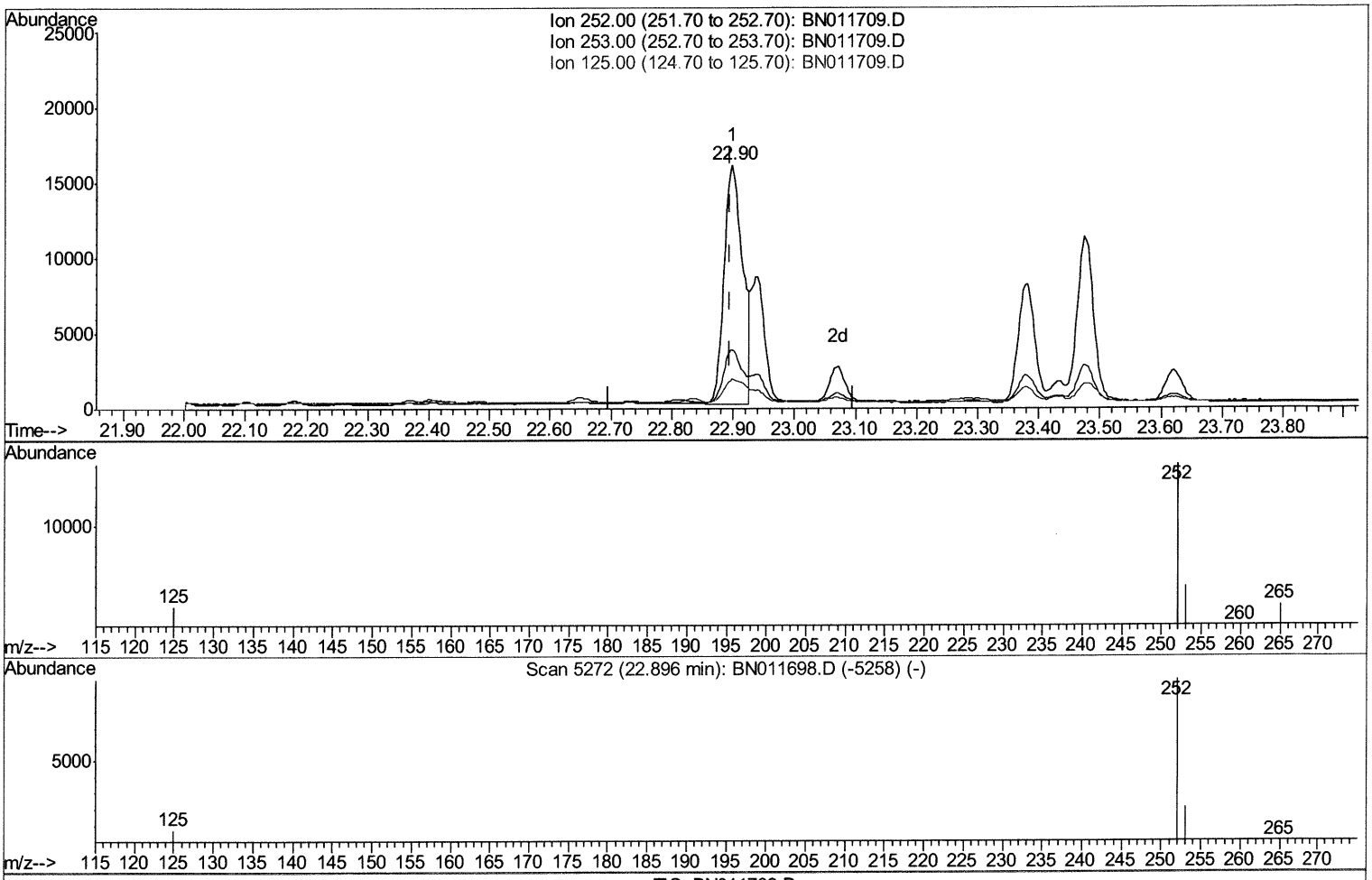
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 01:49:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM



TIC: BN011709.D

(21) Benzo(b)fluoranthene

22.899min (+0.003) 0.72ng/ul m 09/09/20 JU

response 32894

Ion	Exp%	Act%
252.00	100	100
253.00	27.40	24.32
125.00	11.10	12.11
0.00	0.00	0.00

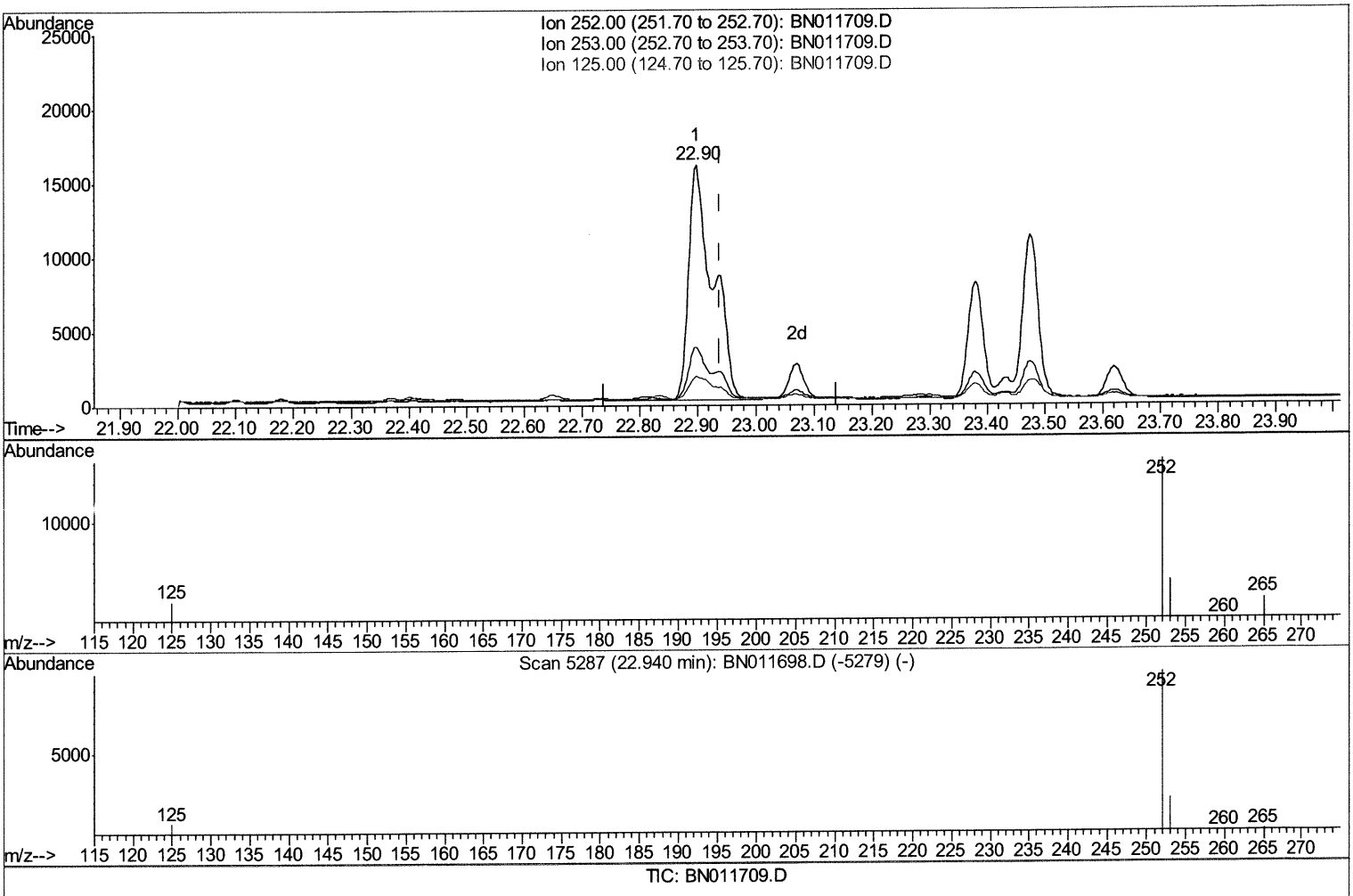
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 01:49:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM



TIC: BN011709.D

(22) Benzo(k)fluoranthene

22.899min (-0.041) 0.92ng/ul

response 46198

Ion	Exp%	Act%
252.00	100	100
253.00	27.20	24.32
125.00	11.40	12.11
0.00	0.00	0.00

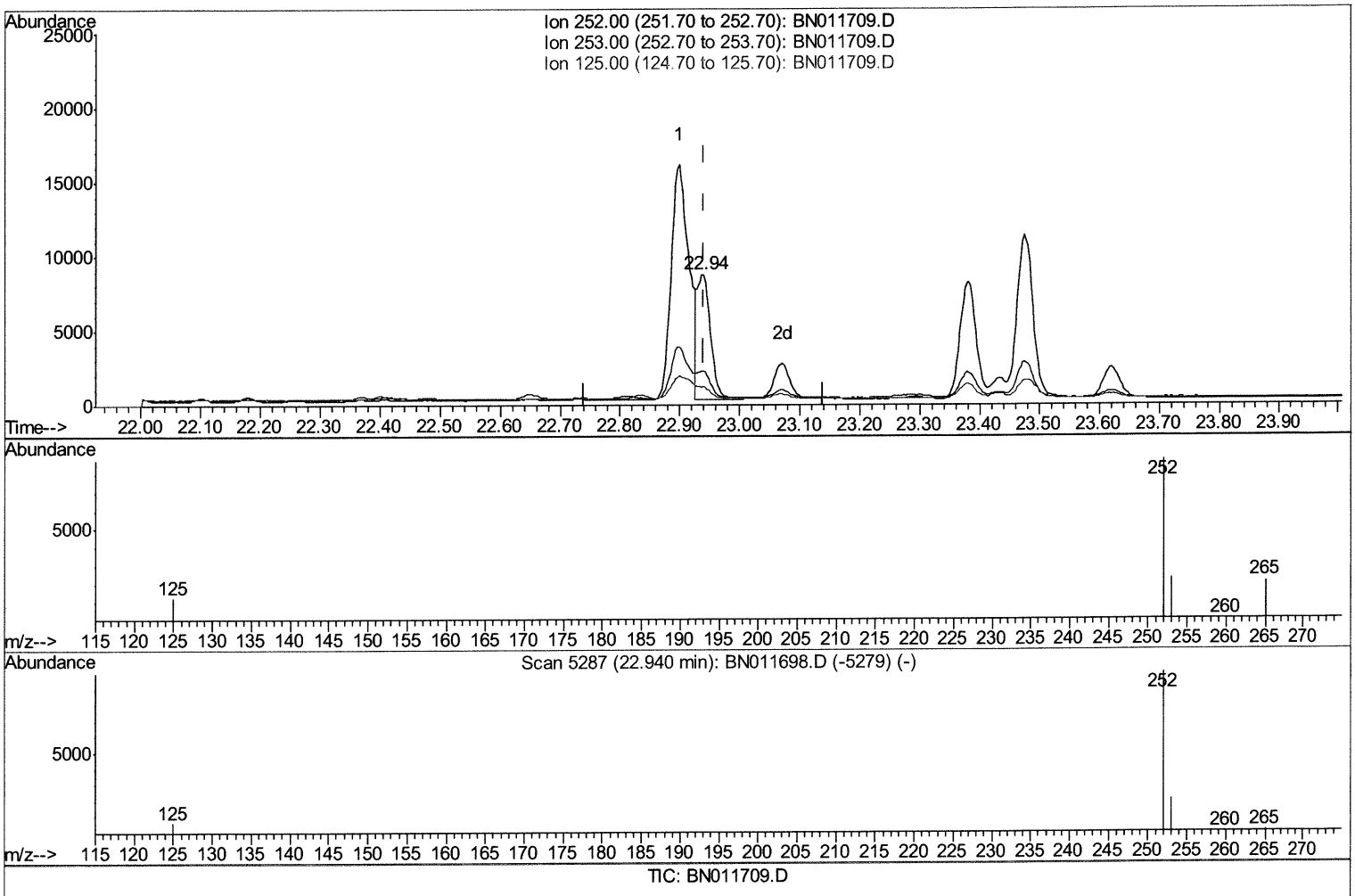
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 05 01:49:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM



TIC: BN011709.D

(22) Benzo(k)fluoranthene

22.940min (-0.000) 0.27ng/ul m 09/09/20 JU

response 13453

Ion	Exp%	Act%
252.00	100	100
253.00	27.20	26.21
125.00	11.40	14.19#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090420\
Data File : BN011709.D
Acq On : 04 Sep 2020 19:20
Operator : CG/JU
Sample : L3840-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AA6

Manual Integrations APPROVED
mohammad
9/8/2020 1:47:02 PM

Quant Time: Sep 05 01:51:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN081220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 05 01:37:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2542	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	9981	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.38	164	5766	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.13	188	12143m >	0.40	ng/ul >	0.00 09/09/20 JU
16) Chrysene-d12	21.32	240	10534	0.40	ng/ul	0.00
20) Perylene-d12	23.57	264	10472	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.12	152	3019	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.15	212	7198	0.21	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.57	128	1159	0.040	ng/ul#	89
7) Acenaphthylene	14.10	152	2800	0.096	ng/ul	98
12) Phenanthrene	17.16	178	1752	0.043	ng/ul	96
13) Anthracene	17.26	178	2432m >	0.072	ng/ul >	09/09/20 JU
15) Fluoranthene	19.19	202	6169	0.131	ng/ul	96
17) Pyrene	19.55	202	11767m >	0.286	ng/ul >	09/09/20 JU
18) Benzo(a)anthracene	21.30	228	8119	0.230	ng/ul	95
19) Chrysene	21.36	228	14901	0.313	ng/ul	99
21) Benzo(b)fluoranthene	22.90	252	32894m >	0.723	ng/ul >	
22) Benzo(k)fluoranthene	22.94	252	13453m >	0.267	ng/ul >	09/09/20 JU
23) Benzo(a)pyrene	23.47	252	20815	0.544	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.84	276	12958	0.251	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.84	278	3910	0.093	ng/ul#	84
26) Benzo(g,h,i)perylene	26.53	276	10997	0.227	ng/ul	96

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