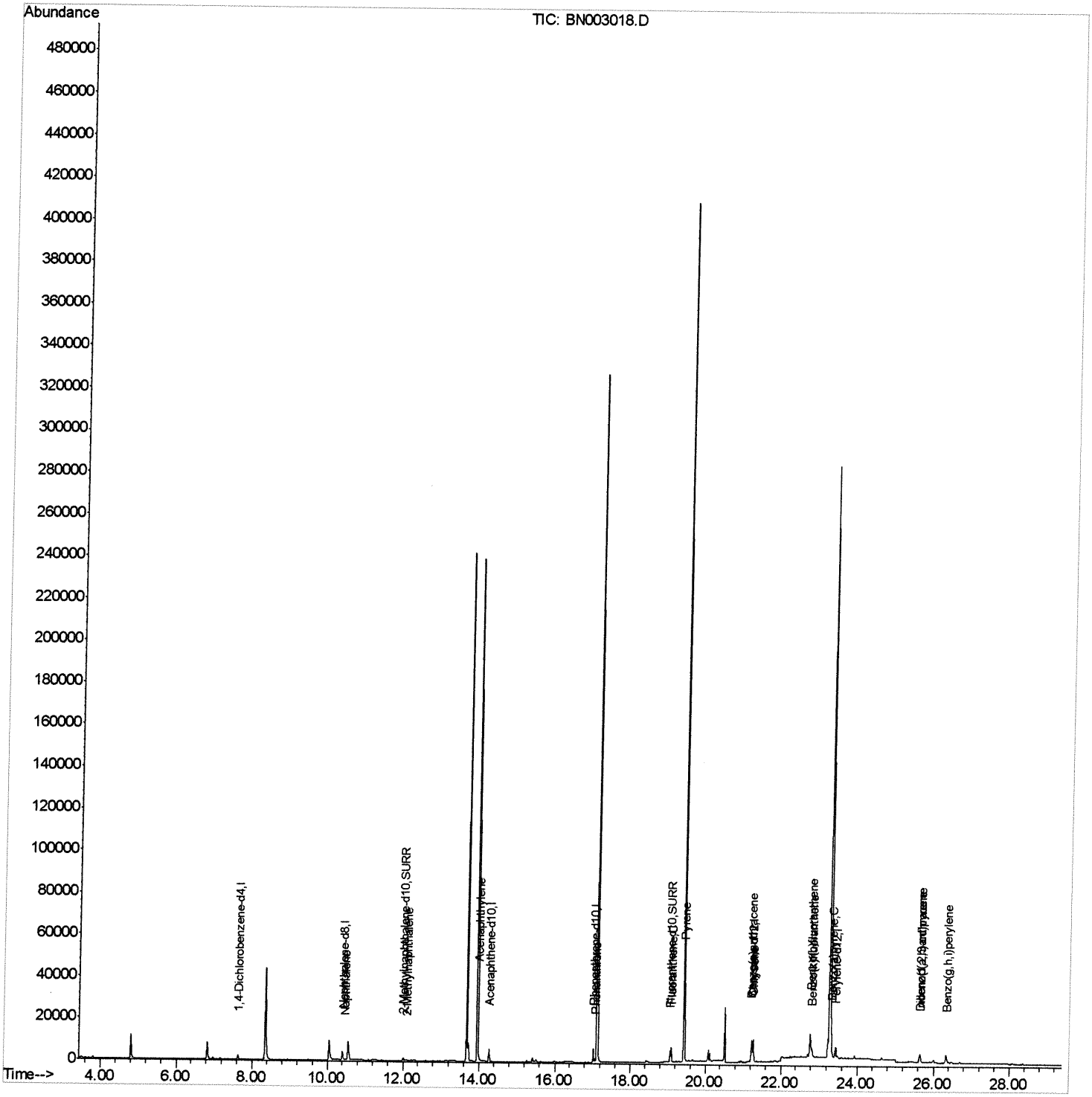
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:48:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



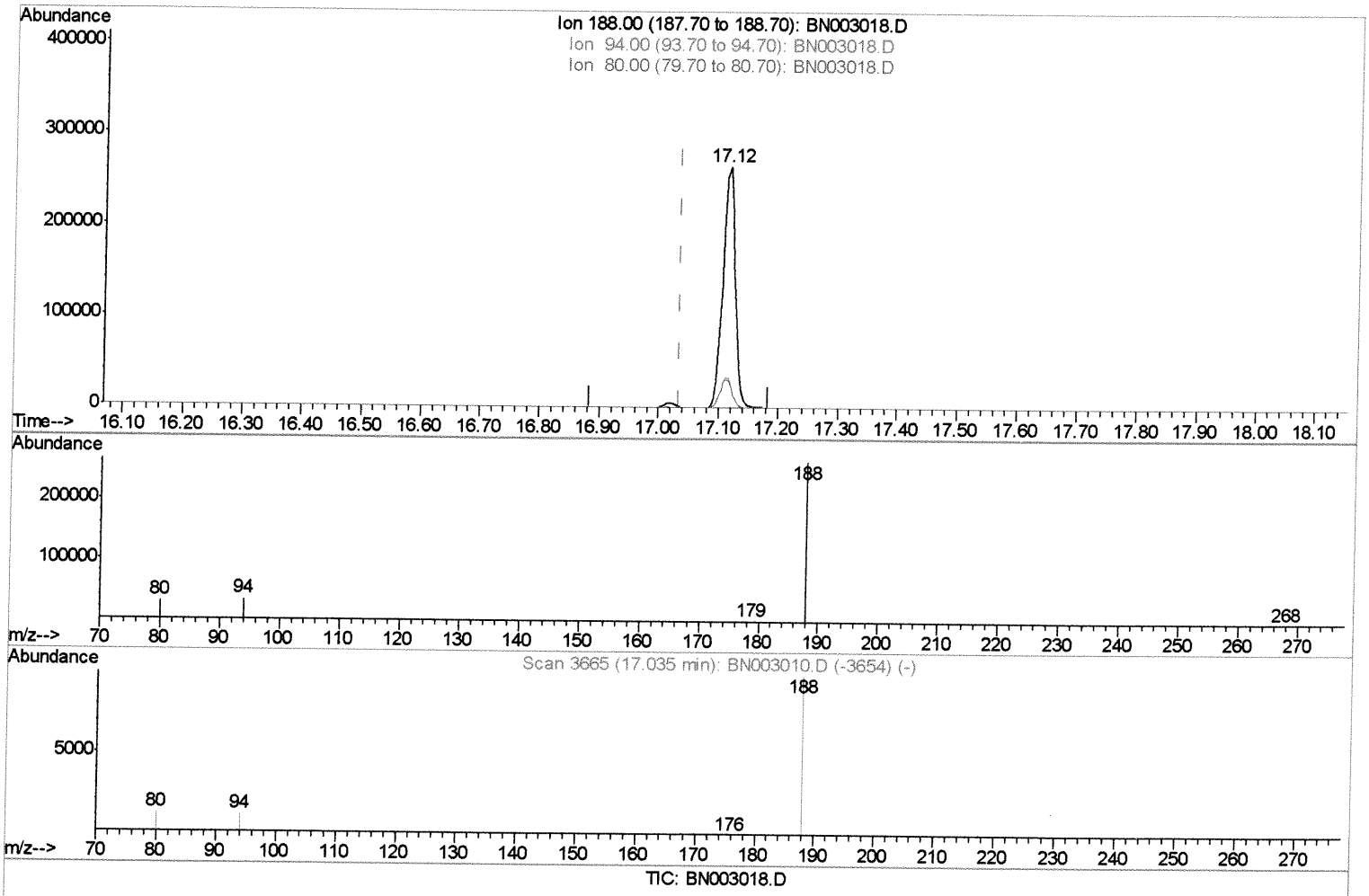
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:44:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



TIC: BN003018.D

(10) Phenanthrene-d10 (I)

17.116min (+0.080) 0.40ng/ul

response 378729

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	12.45
80.00	12.70	11.27
0.00	0.00	0.00

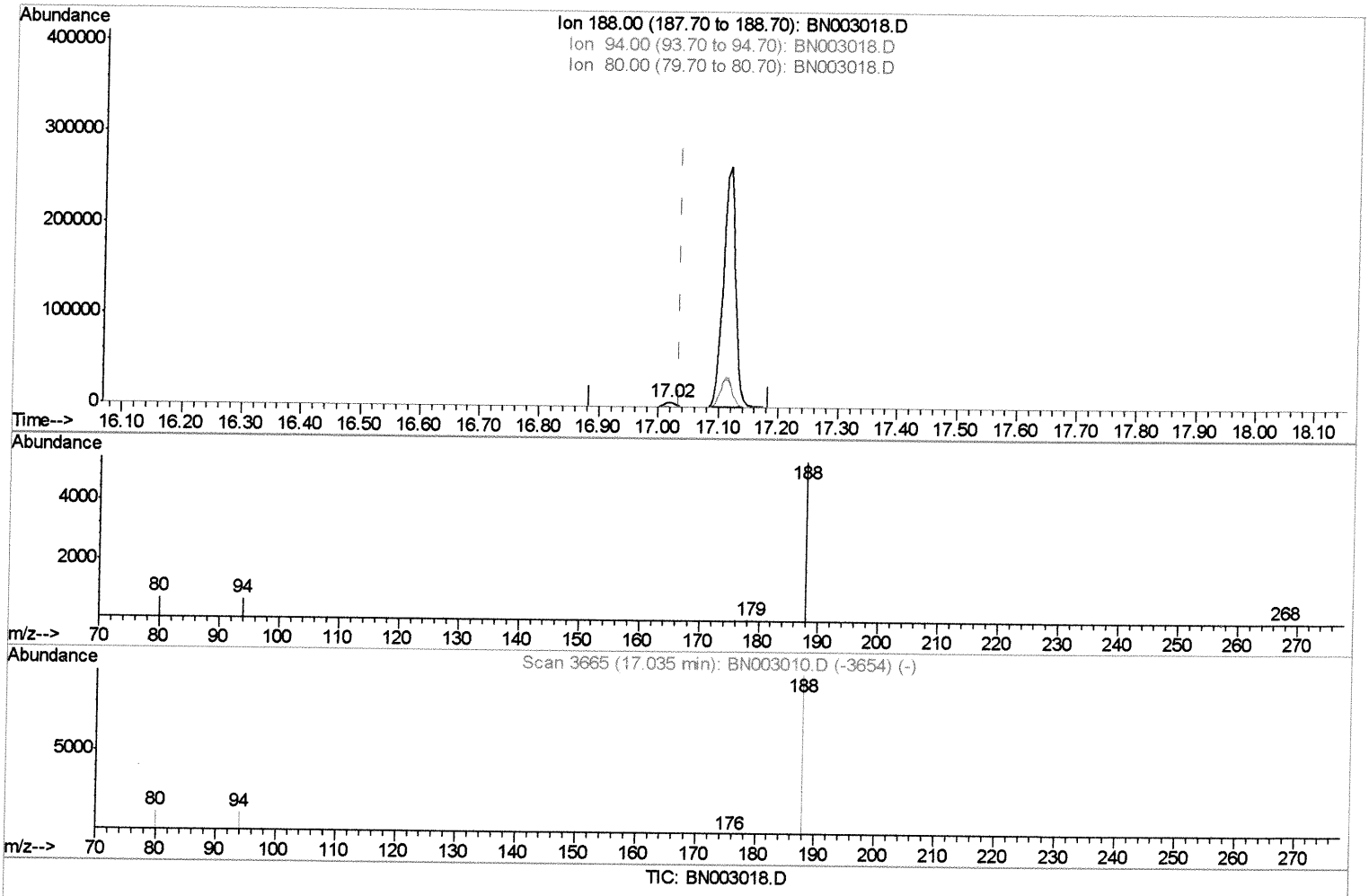
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:44:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration



TIC: BN003018.D

(10) Phenanthrene-d10 (I)

17.018min (-0.017) 0.40ng/ul m SJ 10/10/18

response 7834

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	12.62
80.00	12.70	13.40
0.00	0.00	0.00

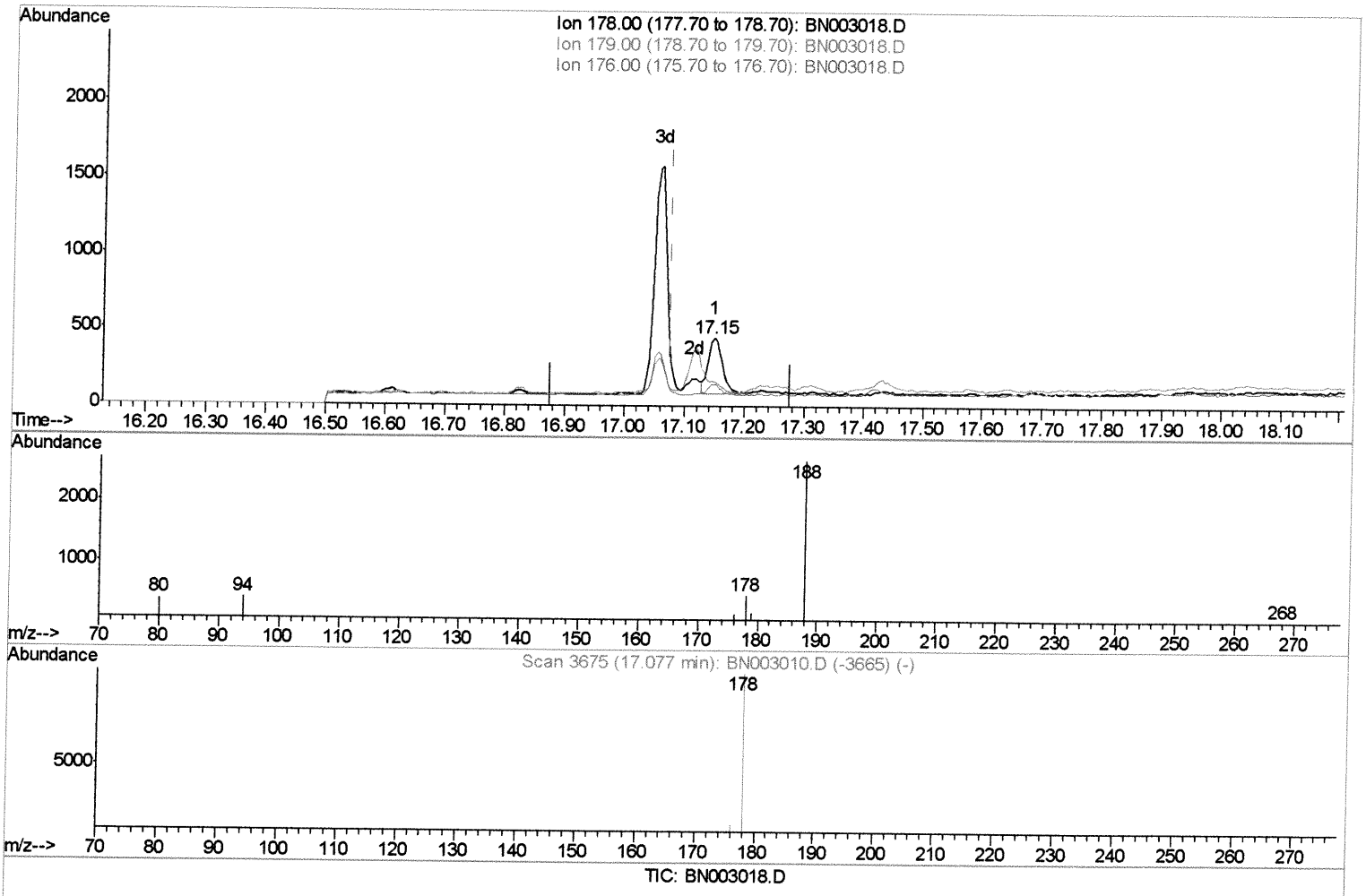
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:45:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



TIC: BN003018.D

(12) Phenanthrene

17.149min (+0.072) 0.03ng/ul

response 586

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	36.00#
176.00	19.30	31.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:45:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
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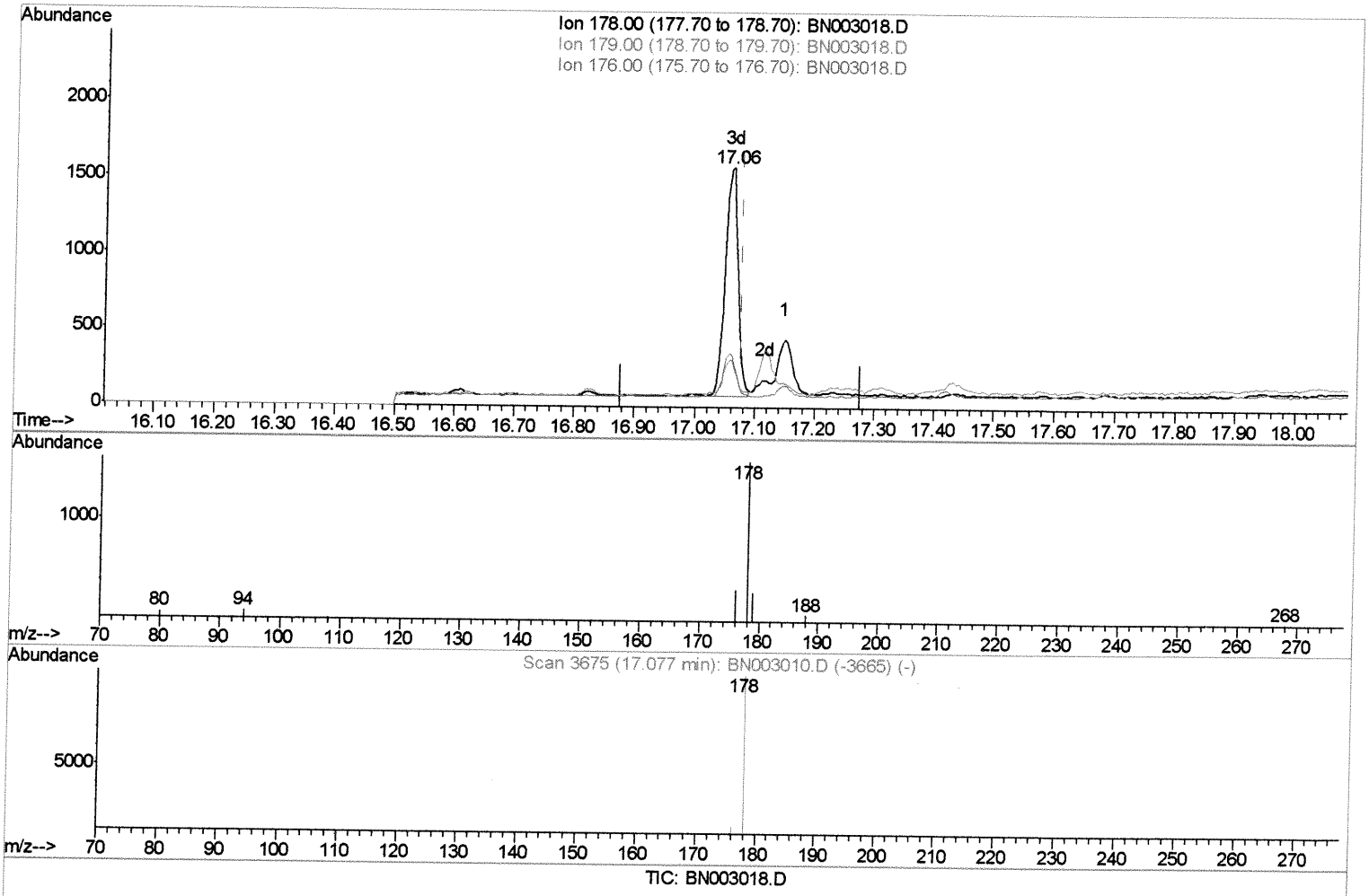


TIC: BN003018.D

(12) Phenanthrene

17.061min (-0.017) 0.10ng/ul m SJ 10/10/18

response 2245

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	20.09#
176.00	19.30	22.05
0.00	0.00	0.00

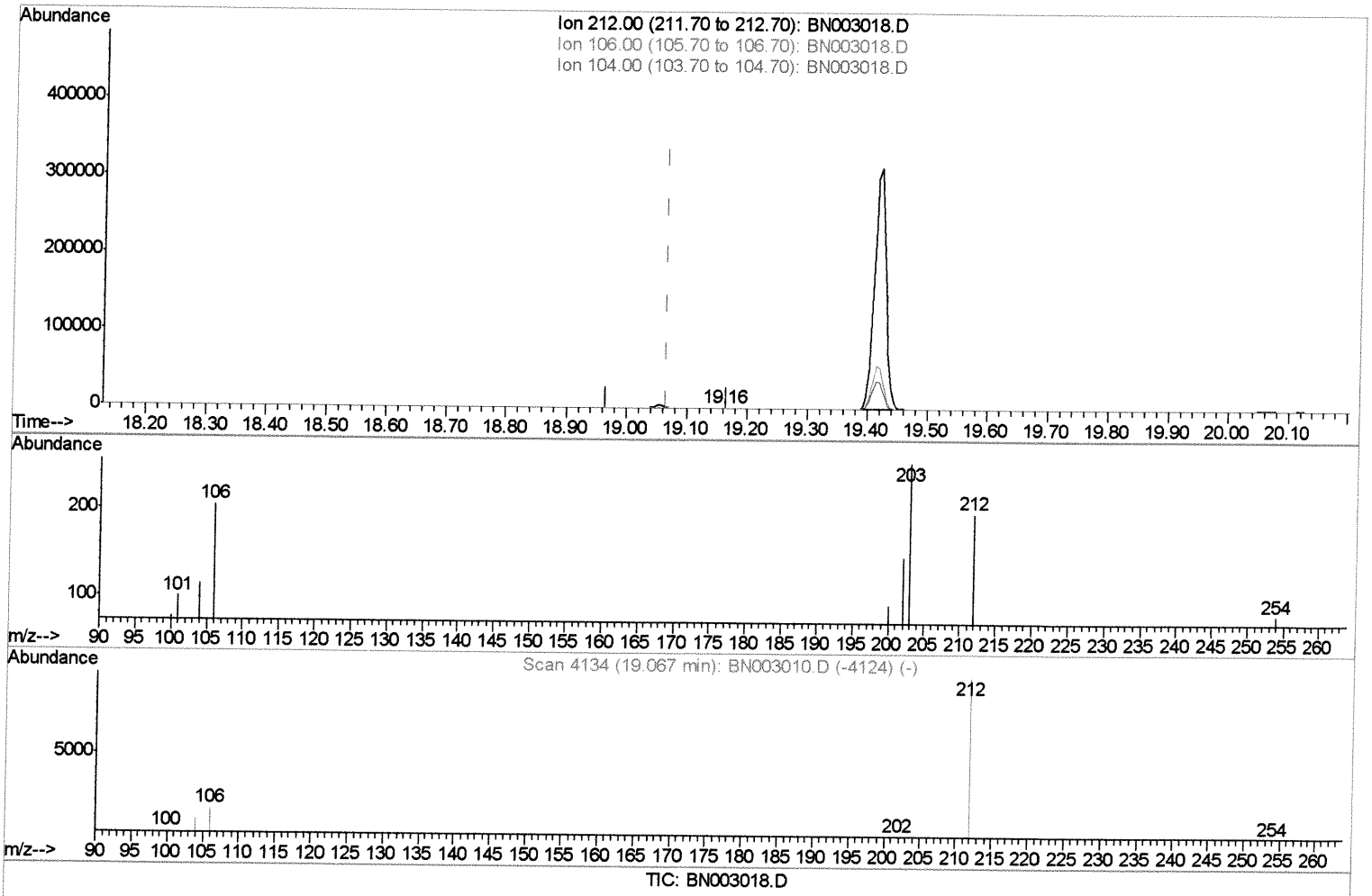
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:45:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



TIC: BN003018.D

(14) Fluoranthene-d10 (SURR)

19.160min (+0.093) 0.01ng/ul

response 166

Ion	Exp%	Act%
212.00	100	100
106.00	15.40	0.00#
104.00	8.60	0.00#
0.00	0.00	0.00

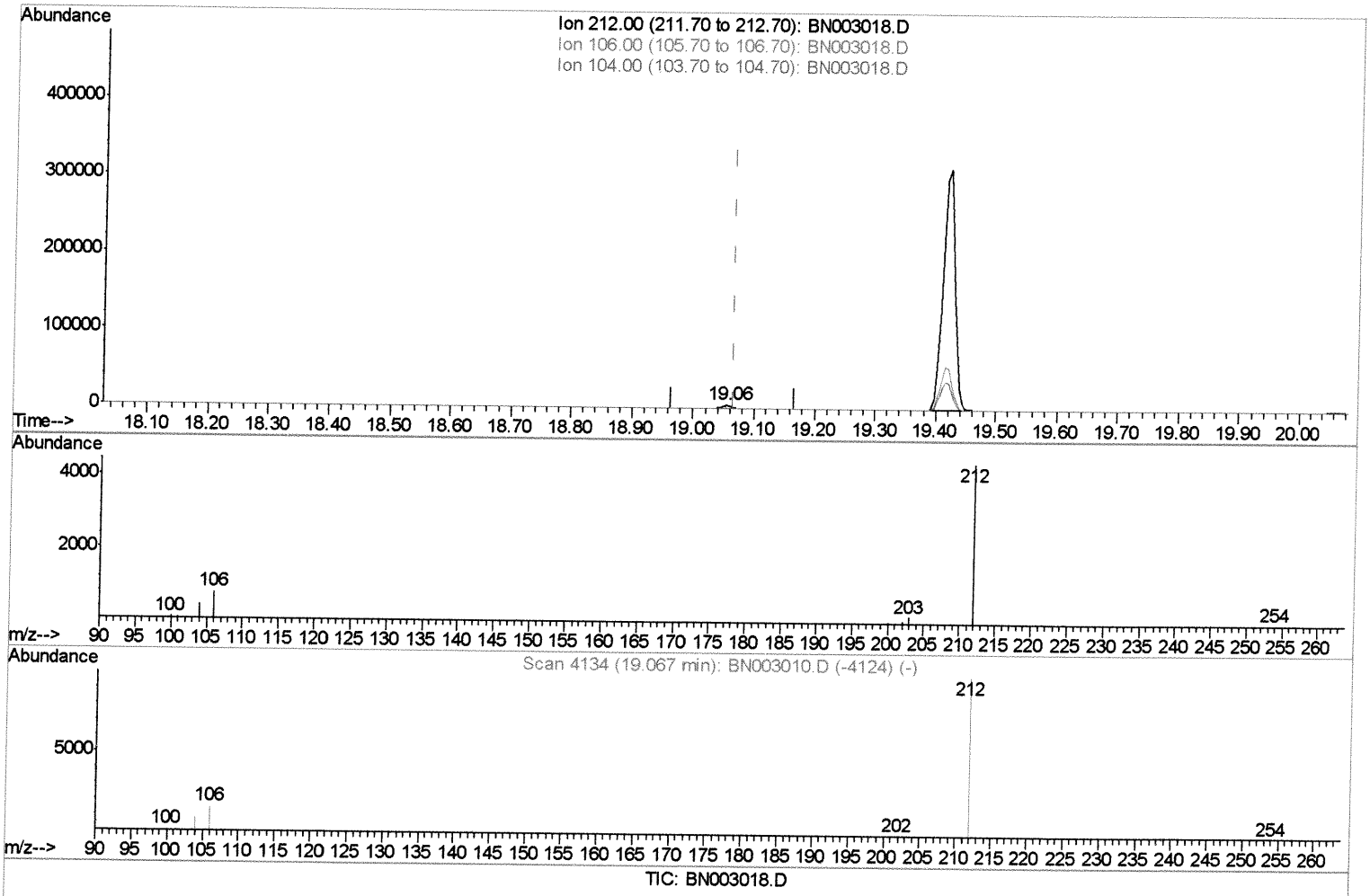
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:45:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration



TIC: BN003018.D

(14) Fluoranthene-d10 (SURR)

19.058min (-0.009) 0.28ng/ul m SJ 10/10/18

response 6225

Ion	Exp%	Act%
212.00	100	100
106.00	15.40	0.00#
104.00	8.60	0.00#
0.00	0.00	0.00

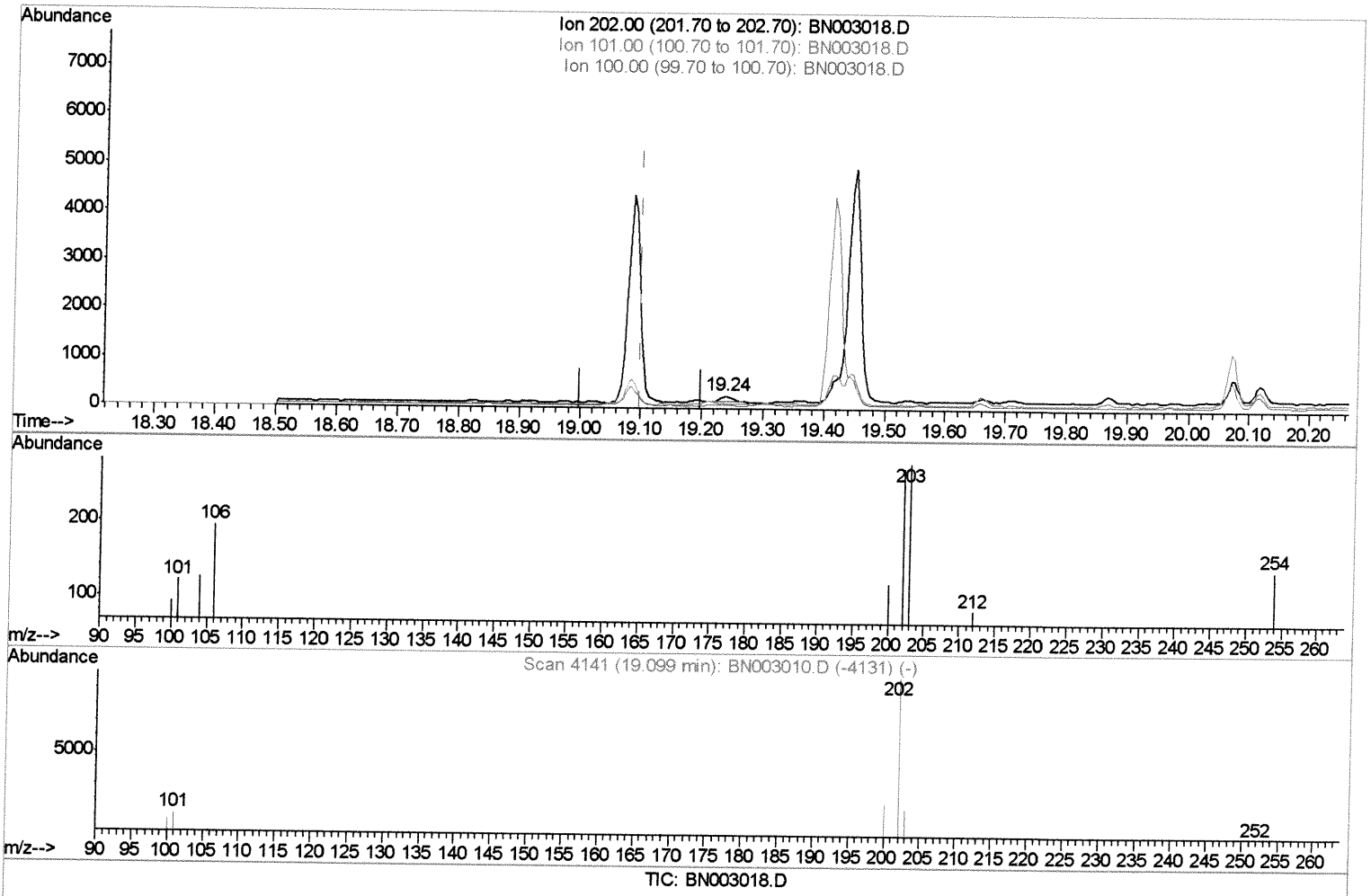
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:45:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration



TIC: BN003018.D

(15) Fluoranthene (C)

19.239min (+0.140) 0.01ng/ul

response 179

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	43.84#
100.00	9.10	33.33#
0.00	0.00	0.00

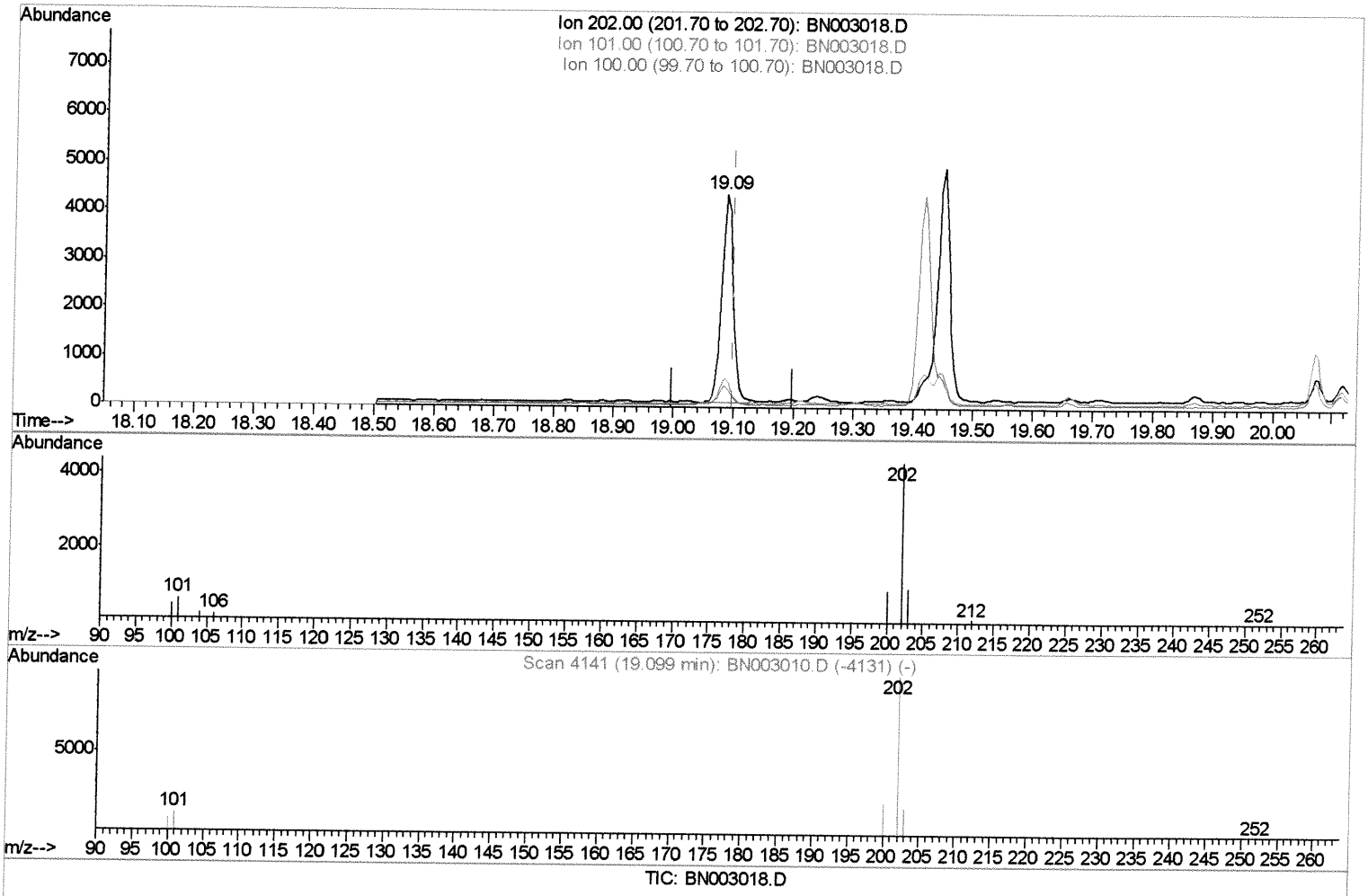
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:45:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



TIC: BN003018.D

(15) Fluoranthene (C)

19.085min (-0.014) 0.23ng/ul m SJ 10/10/18

response 5810

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.91
100.00	9.10	10.32
0.00	0.00	0.00

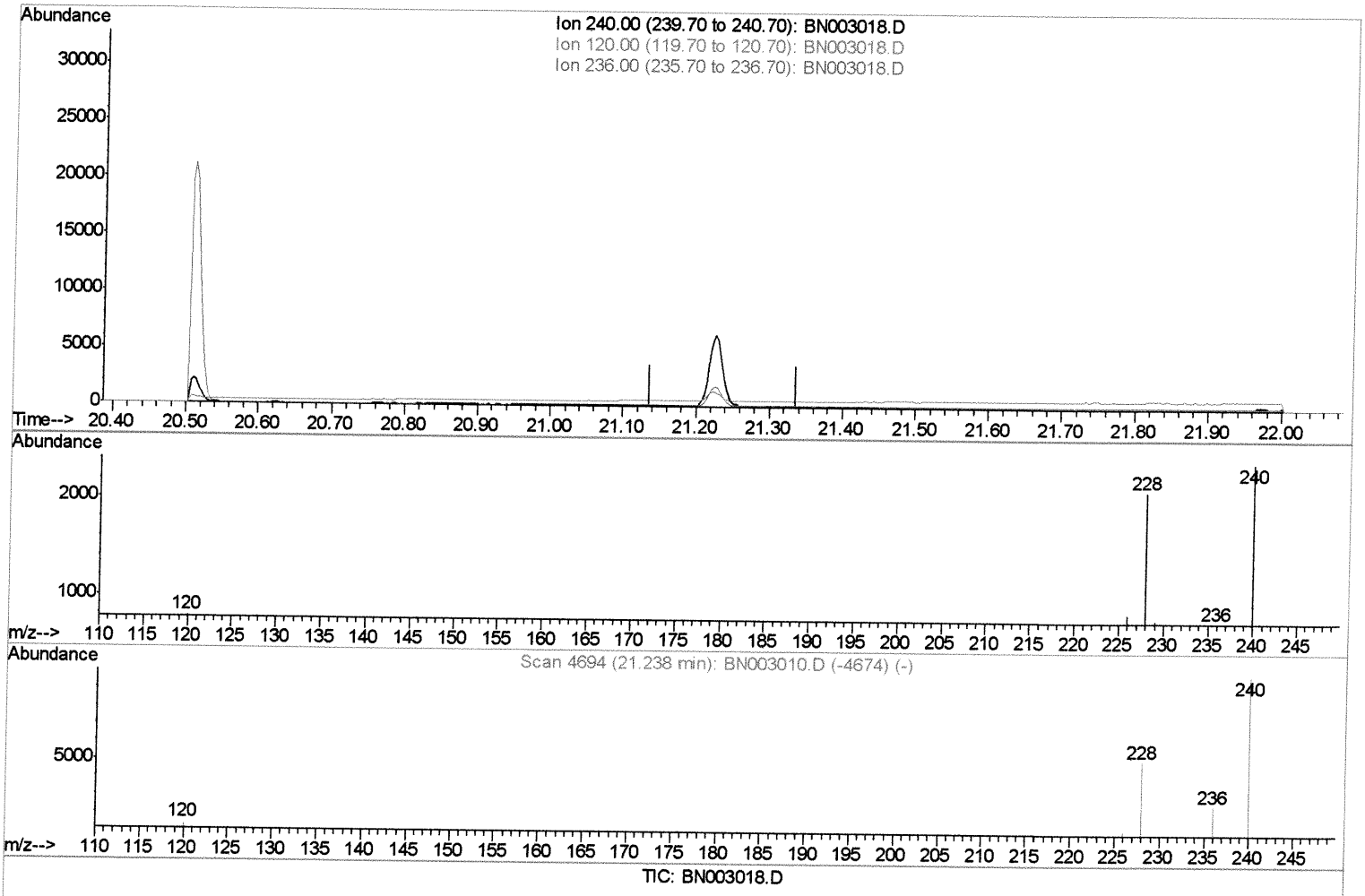
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:45:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



TIC: BN003018.D

(16) Chrysene-d12 (I)

21.238min (-21.238) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.40	0.00#
236.00	28.10	0.00#
0.00	0.00	0.00

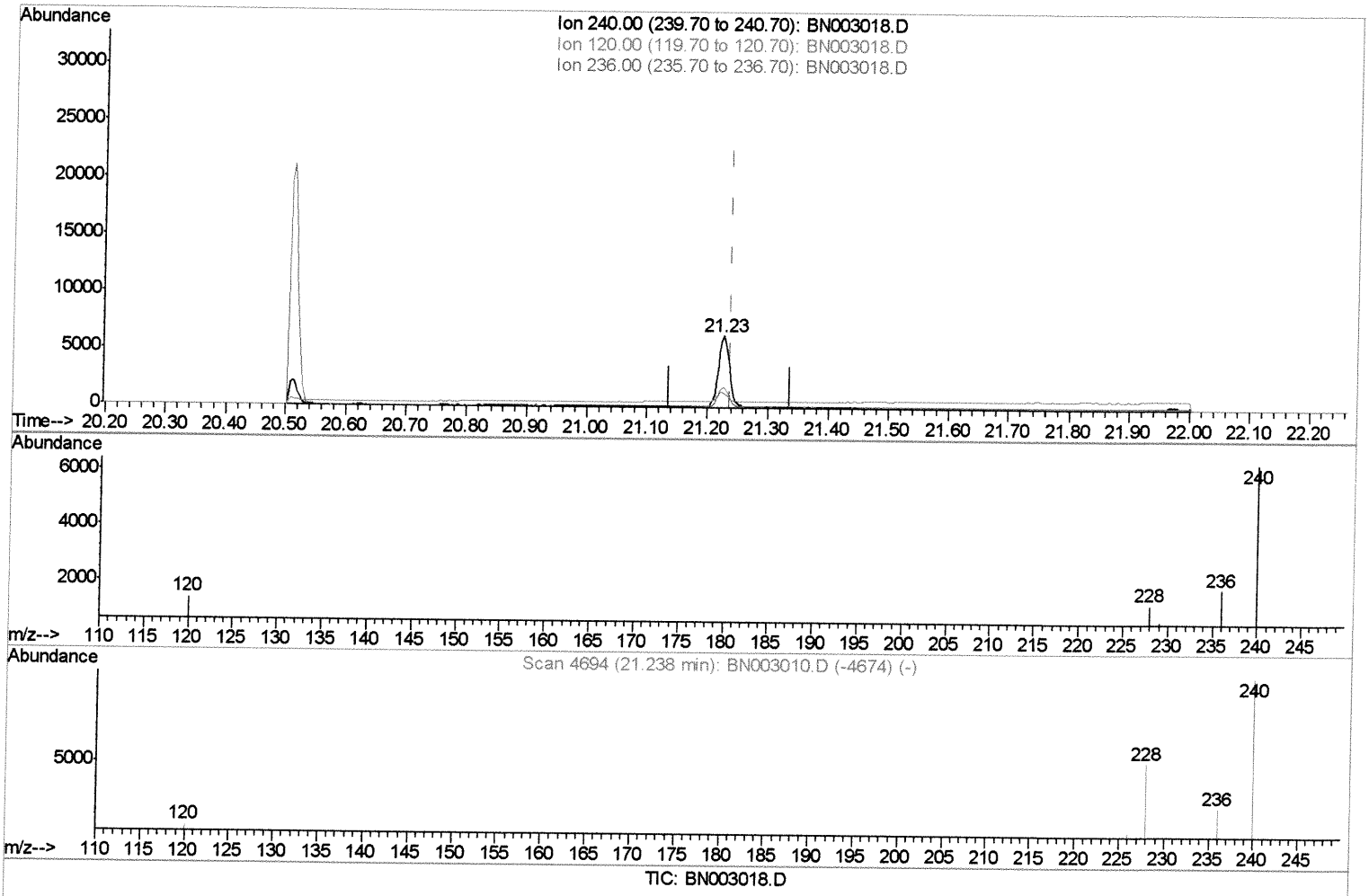
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:45:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



(16) Chrysene-d12 (I)

21.226min (-0.012) 0.40ng/ul m SJ 10/10/18

response 7982

Ion	Exp%	Act%
240.00	100	100
120.00	16.40	21.54#
236.00	28.10	29.14
0.00	0.00	0.00

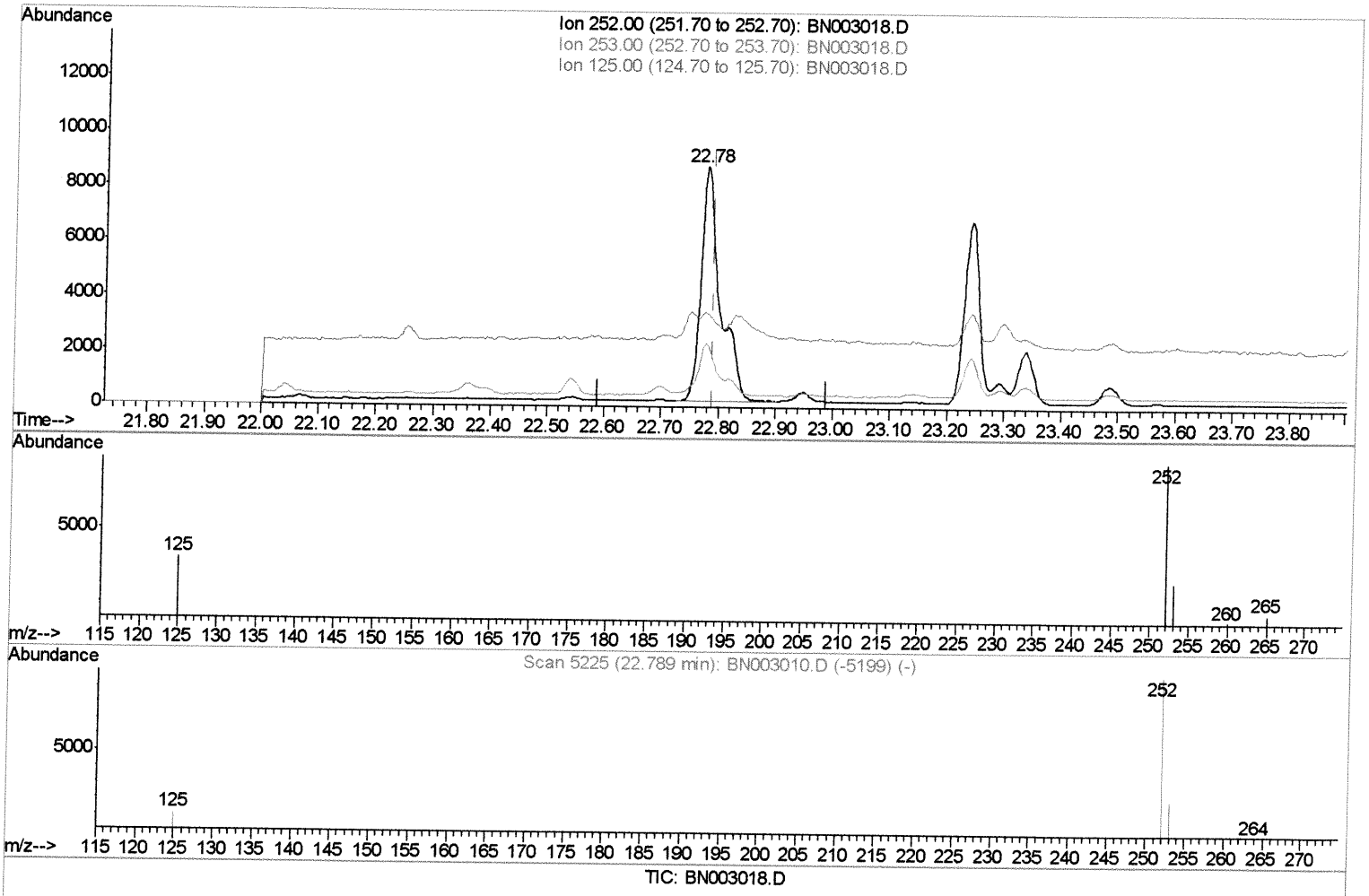
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:47:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



TIC: BN003018.D

(21) Benzo(b)fluoranthene

22.778min (-0.012) 0.80ng/ul

response 20463

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	26.99
125.00	17.10	39.21#
0.00	0.00	0.00

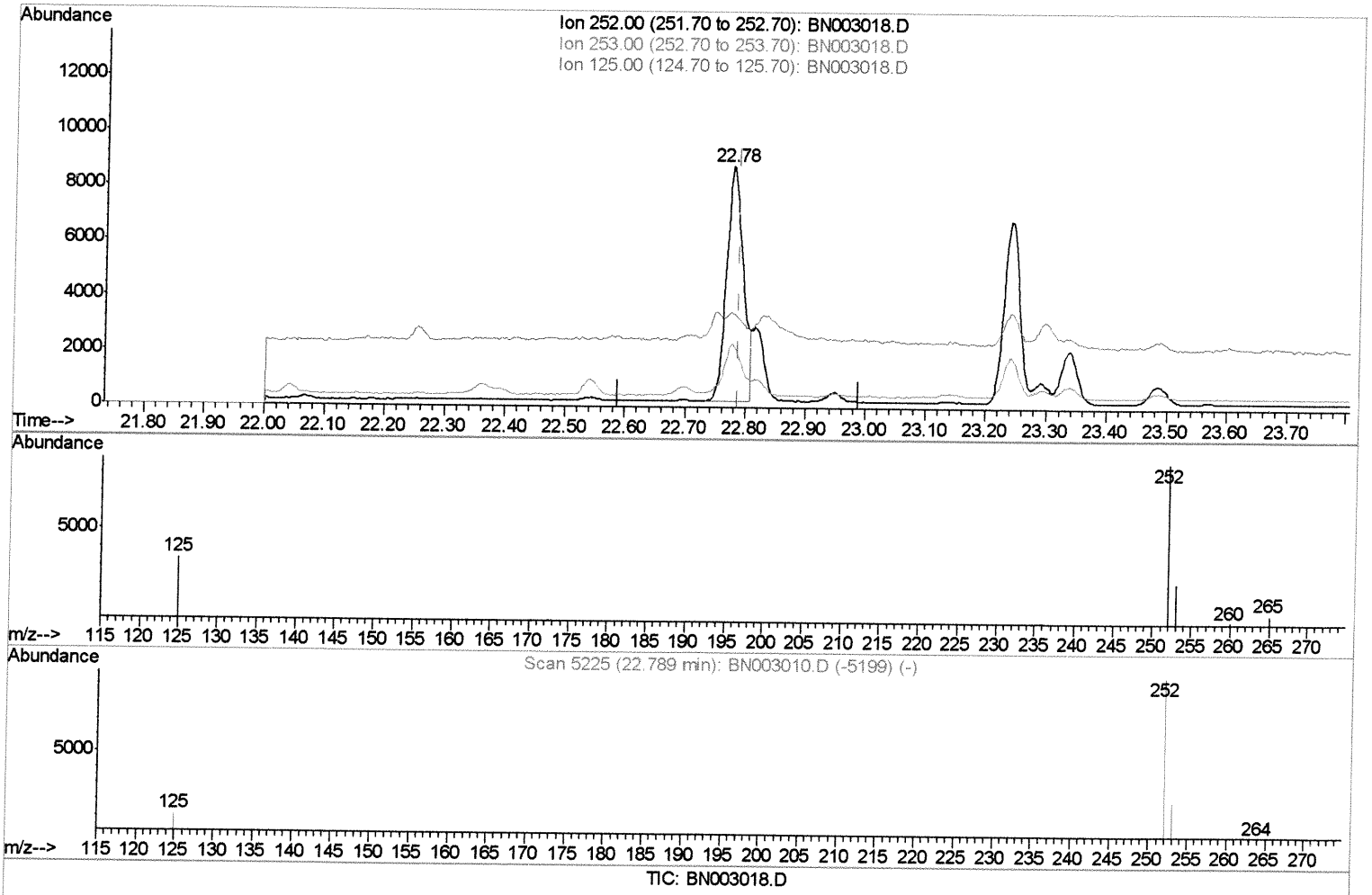
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:47:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



TIC: BN003018.D

(21) Benzo(b)fluoranthene

22.778min (-0.012) 0.64ng/ul m SJ 10/10/18

response 16562

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	26.99
125.00	17.10	39.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:47:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
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QLast Update : Tue Oct 09 08:56:18 2018
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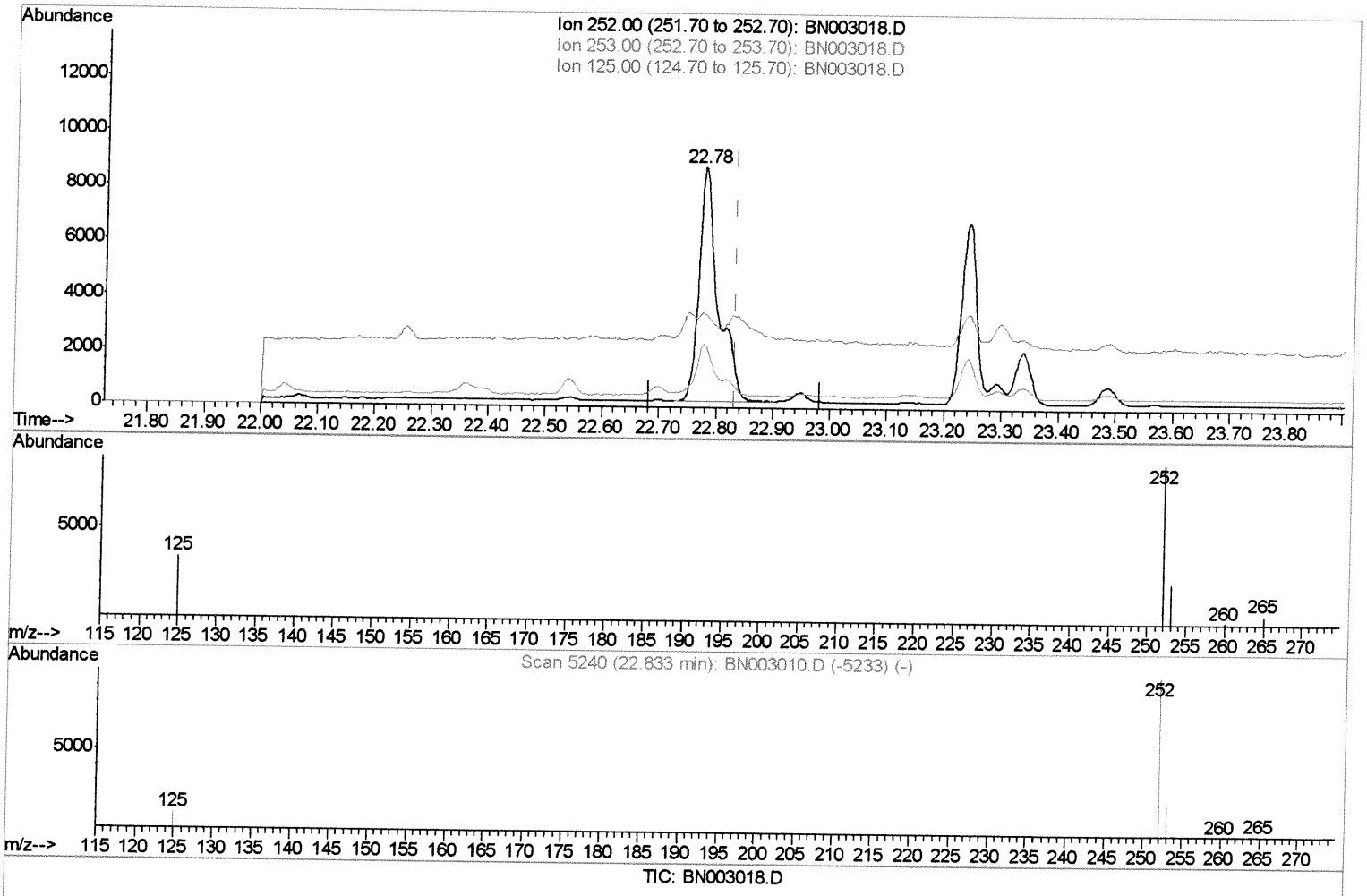
Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM



TIC: BN003018.D

(22) Benzo(k)fluoranthene

22.778min (-0.055) 0.77ng/ul

response 20463

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	26.99
125.00	17.60	39.21#
0.00	0.00	0.00

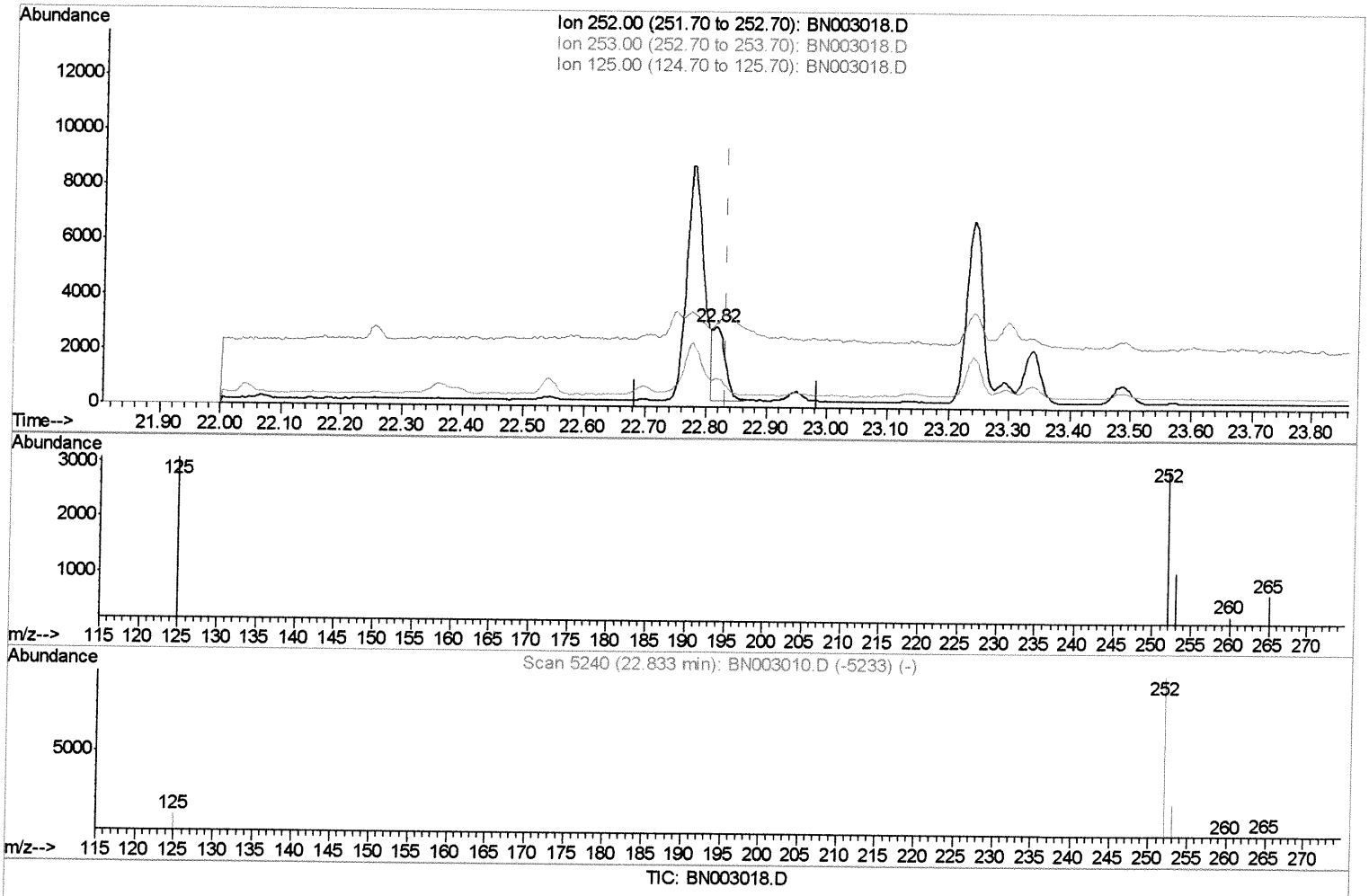
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:47:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration



TIC: BN003018.D

(22) Benzo(k)fluoranthene

22.816min (-0.017) 0.15ng/ul m SJ 10/10/18

response 3873

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	36.38#
125.00	17.60	104.20#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Instrument :
BNA_N
ClientSampleId :
JLC43

Manual Integrations APPROVED
Sohil
10/9/2018 5:38:32 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003018.D
Acq On : 09 Oct 2018 09:35
Operator : MJ/SJ
Sample : J5115-12
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Oct 09 10:48:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1305	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	5662	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	3287	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	7834m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	7982m	0.40	ng/ul	-0.01
20) Perylene-d12	23.44	264	7137	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	2241	0.26	ng/ul	-0.02
14) Fluoranthene-d10	19.06	212	6225m	0.28	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.44	128	538	0.037	ng/ul#	67
5) 2-Methylnaphthalene	12.08	142	386	0.039	ng/ul	96
7) Acenaphthylene	13.98	152	435	0.029	ng/ul#	66
12) Phenanthrene	17.06	178	2245m	0.103	ng/ul	
15) Fluoranthene	19.09	202	5810m	0.227	ng/ul	
17) Pyrene	19.45	202	7245	0.234	ng/ul	100
18) Benzo(a)anthracene	21.21	228	4071	0.158	ng/ul#	86
19) Chrysene	21.26	228	11284	0.433	ng/ul	96
21) Benzo(b)fluoranthene	22.78	252	16562m	0.644	ng/ul	
22) Benzo(k)fluoranthene	22.82	252	3873m	0.145	ng/ul	
23) Benzo(a)pyrene	23.34	252	3675	0.160	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.65	276	6122	0.231	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.65	278	1517	0.072	ng/ul#	1
26) Benzo(g,h,i)perylene	26.32	276	7695	0.345	ng/ul#	89

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>SJ 10/10/18

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