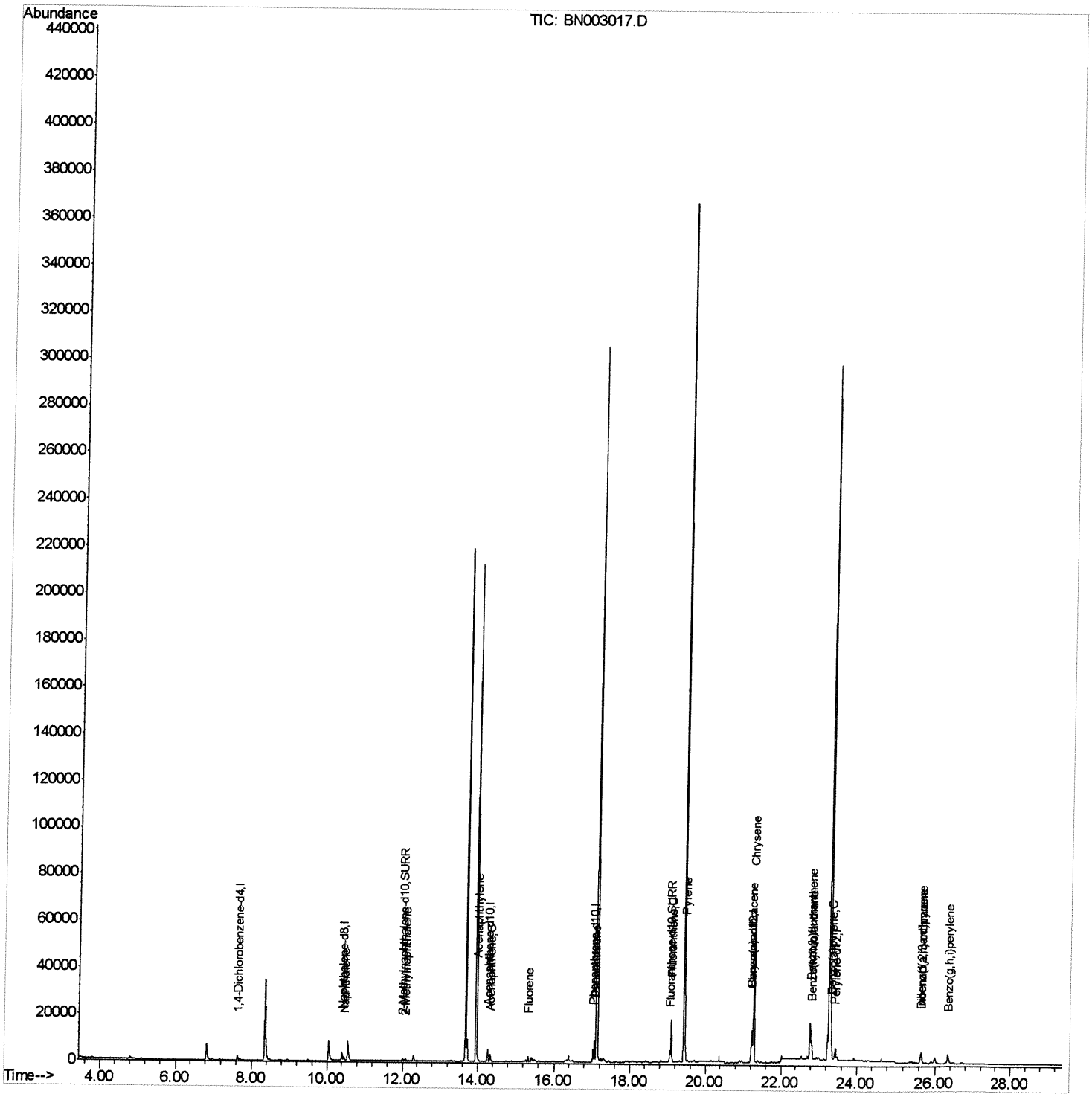
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:43:29 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 :
JLC14

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



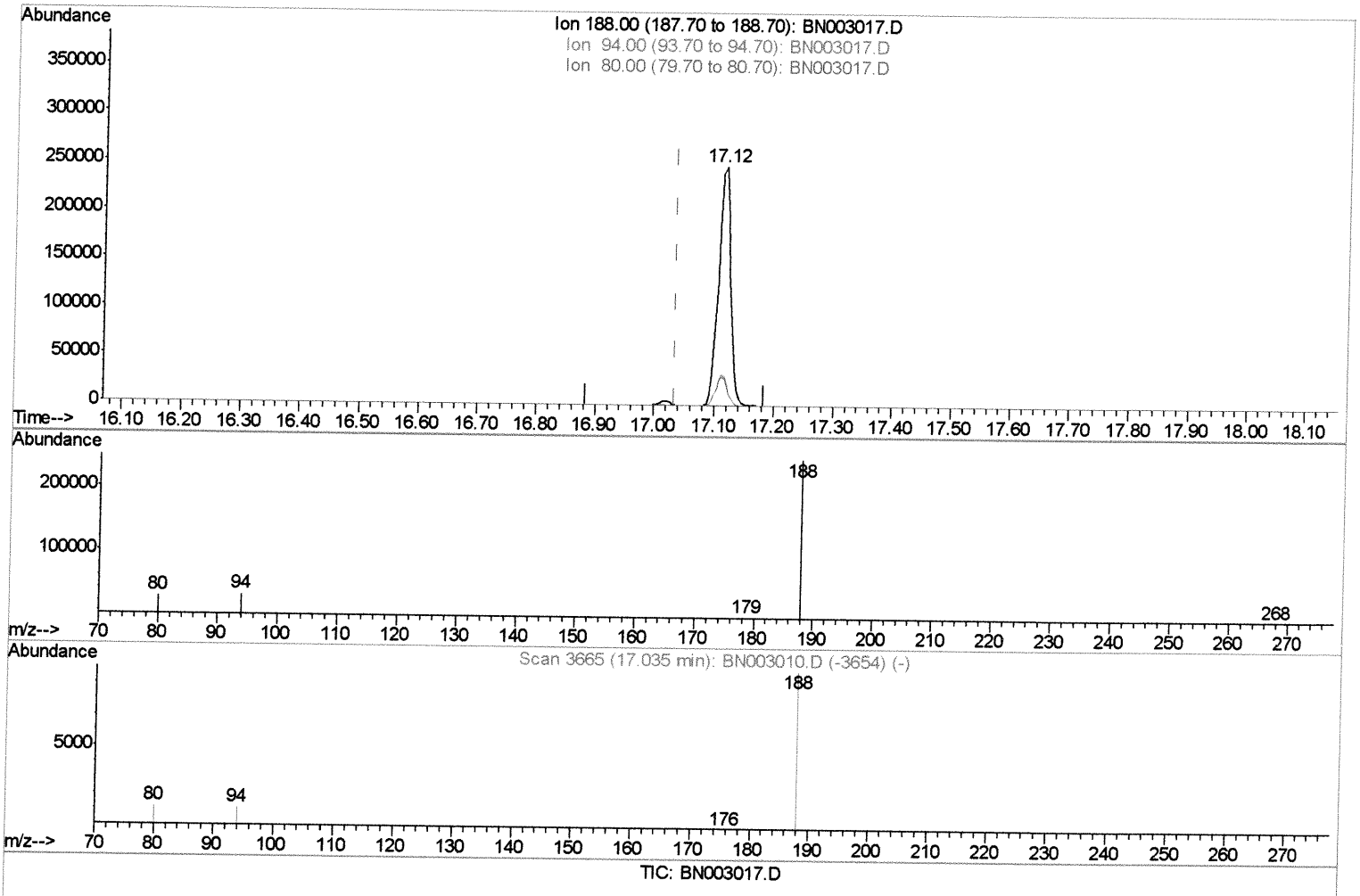
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC14

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:39:30 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: BN003017.D

(10) Phenanthrene-d10 (I)

17.116min (+0.080) 0.40ng/ul

response 349927

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	12.42
80.00	12.70	11.22
0.00	0.00	0.00

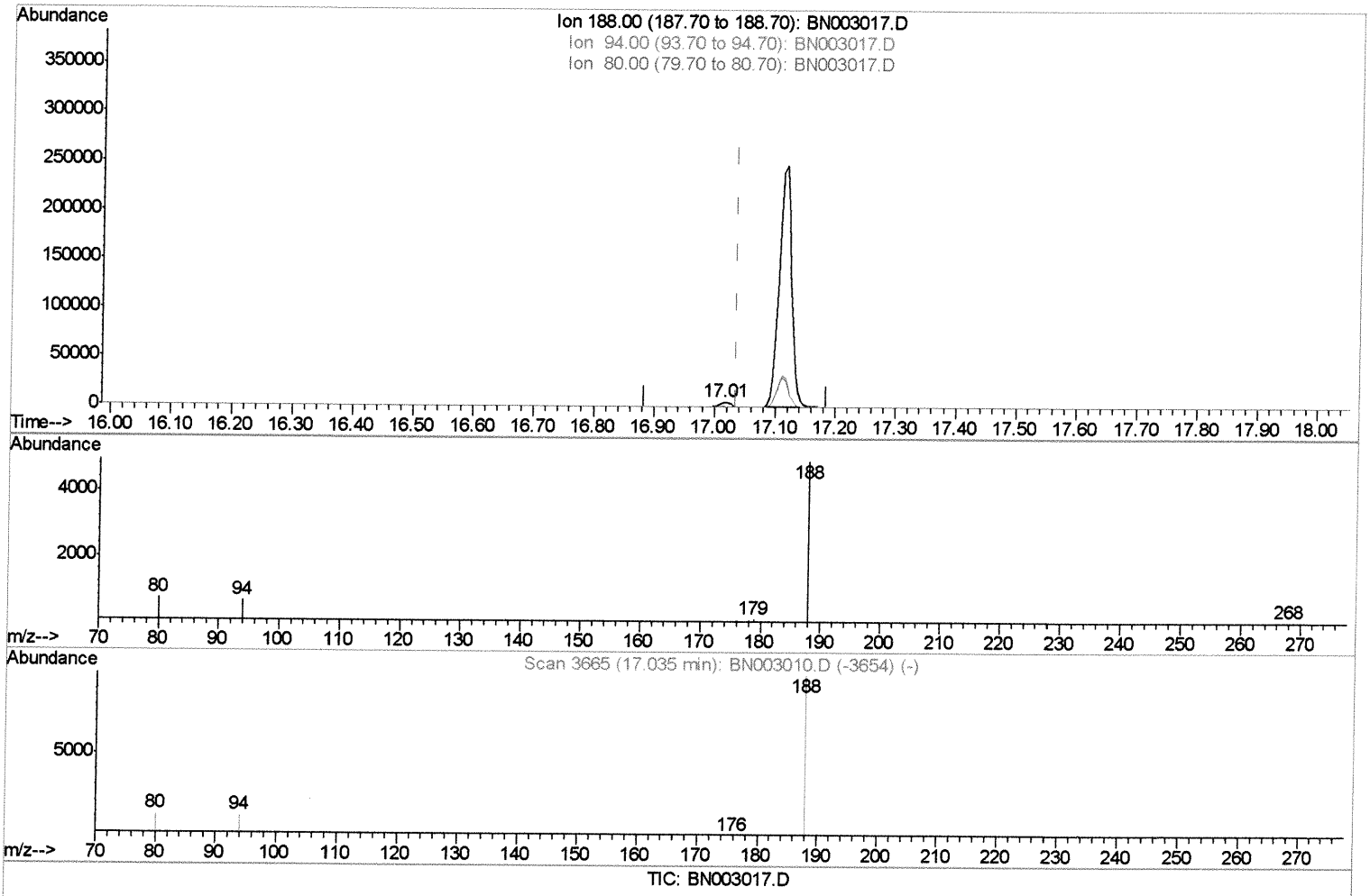
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC14

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:39:30 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: BN003017.D

(10) Phenanthrene-d10 (I)

17.014min (-0.021) 0.40ng/ul m SJ 10/10/18

response 7396

Ion	Exp%	Act%
188.00	100	100
94.00	11.80	13.07
80.00	12.70	14.39
0.00	0.00	0.00

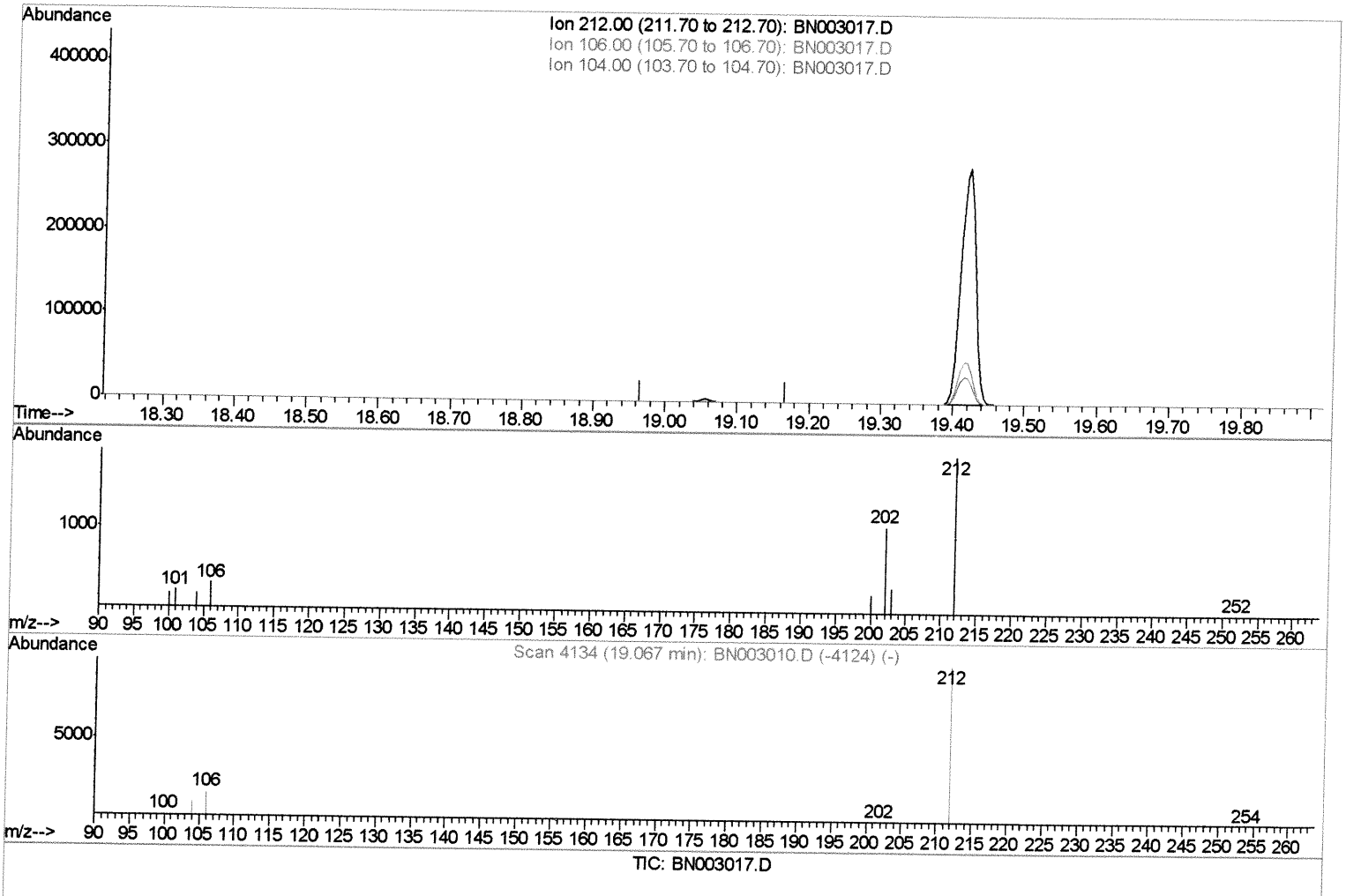
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC14

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:40:21 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: BN003017.D

(14) Fluoranthene-d10 (SURR)

19.067min (-19.067) 0.00ng/ul

response 0

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

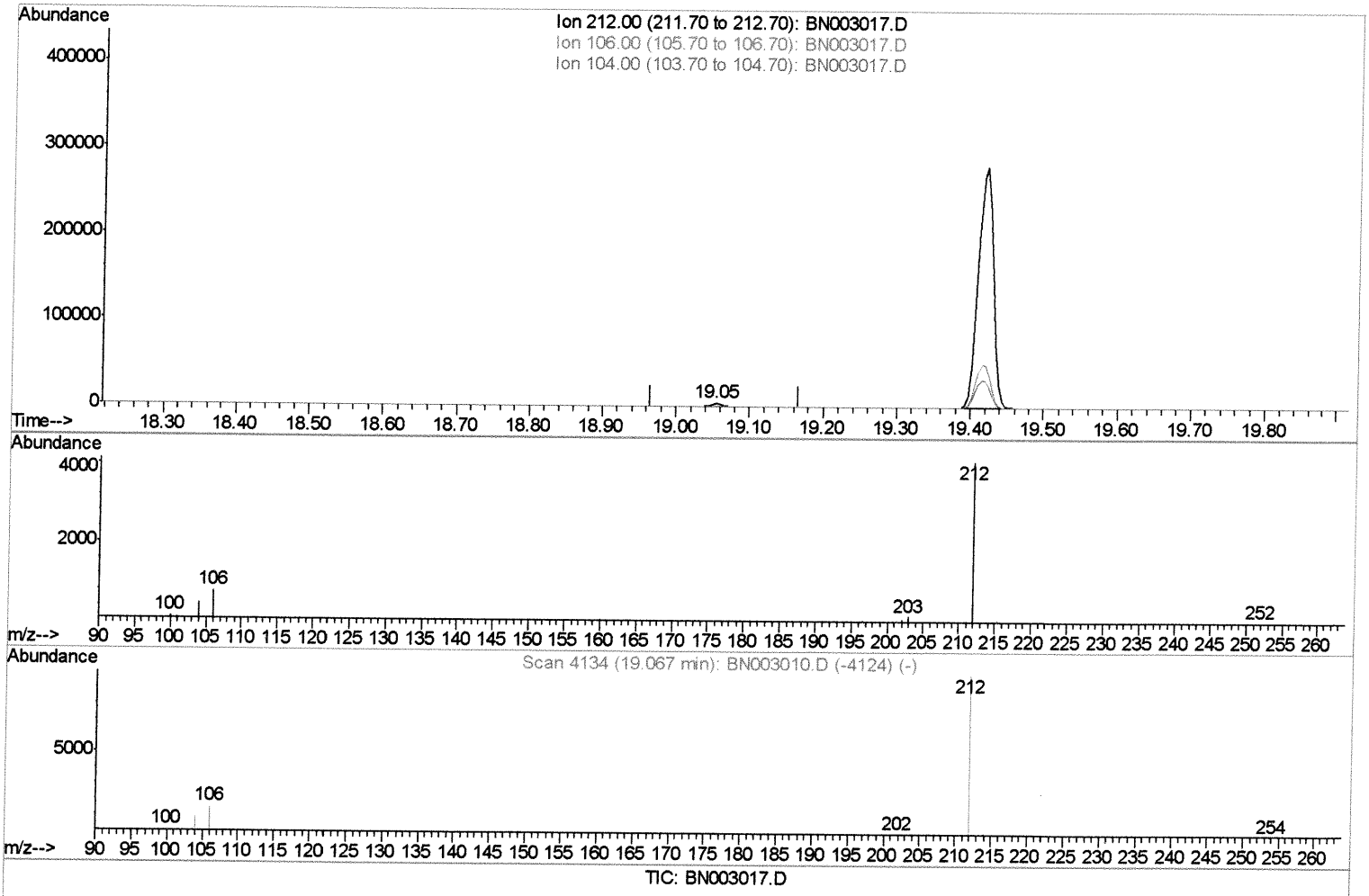
Quantitation Report (Qedit)

Instrument :
BNA_N
ClientSampleId :
JLC14

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:40:21 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: BN003017.D

(14) Fluoranthene-d10 (SURR)

19.053min (-0.014) 0.27ng/ul m SJ 10/10/18

response 5797

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

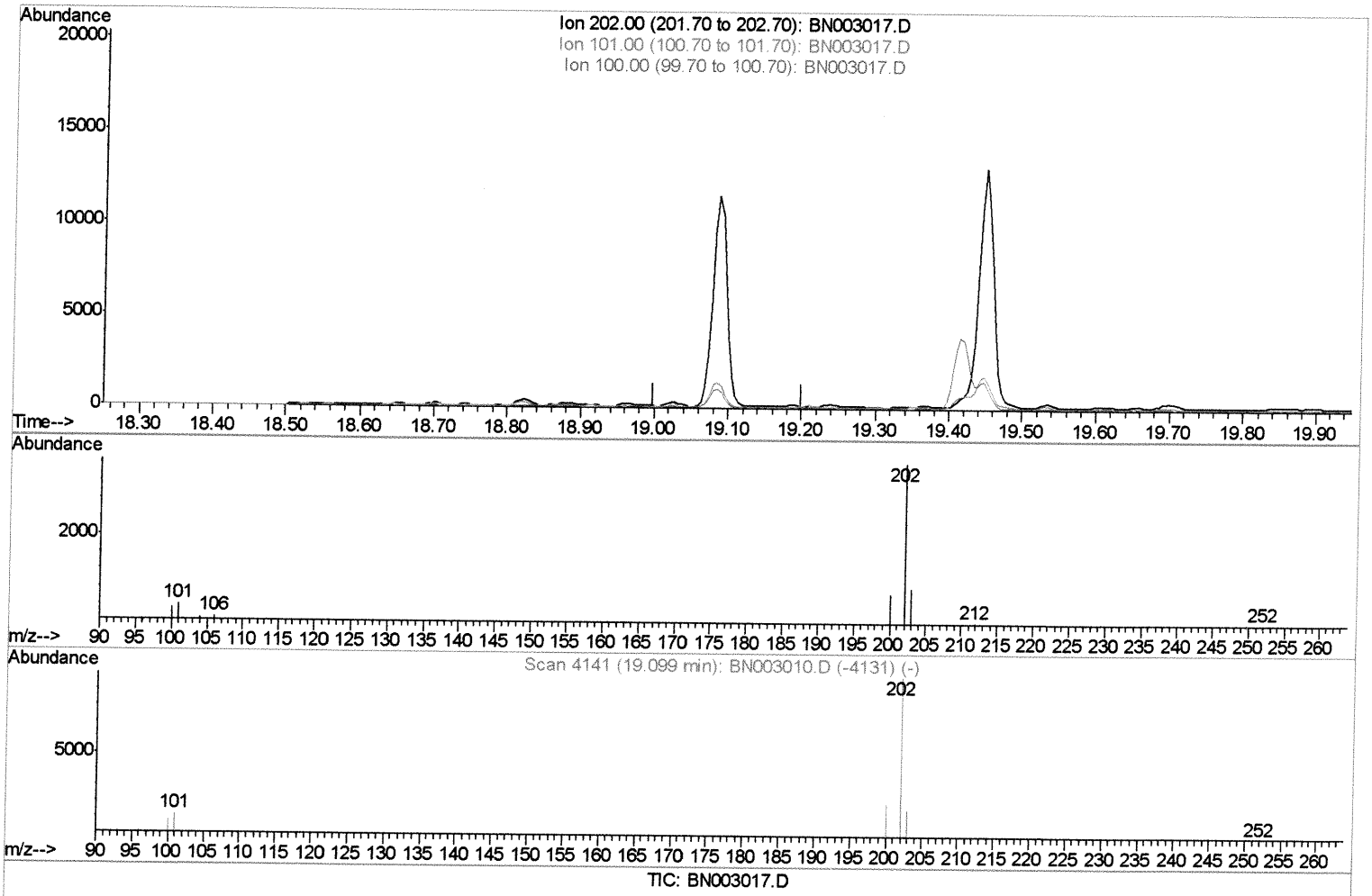
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:40:21 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 :
JLC14

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



TIC: BN003017.D

(15) Fluoranthene (C)

19.099min (-19.099) 0.00ng/ul

response 0

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

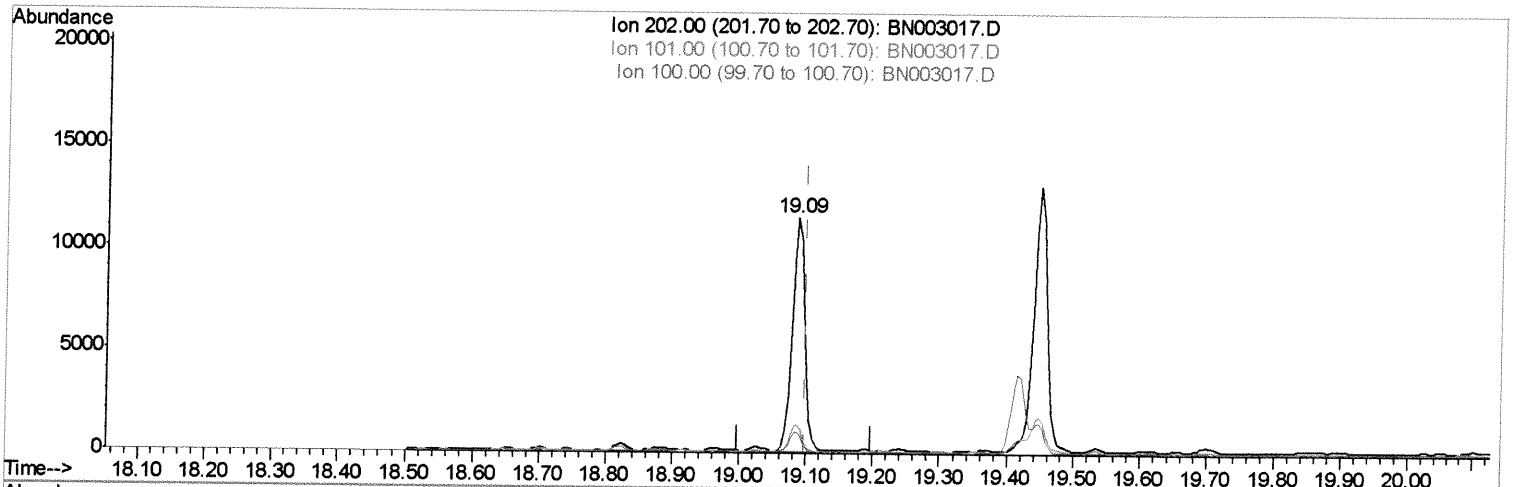
Quantitation Report (Qedit)

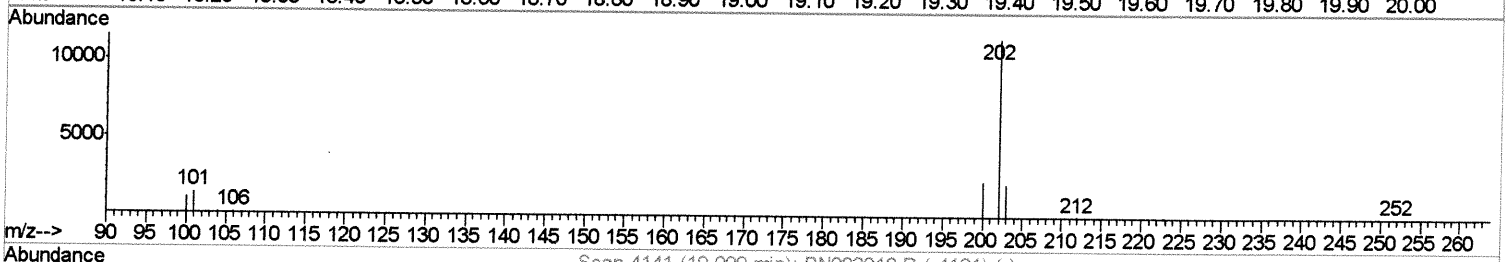
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

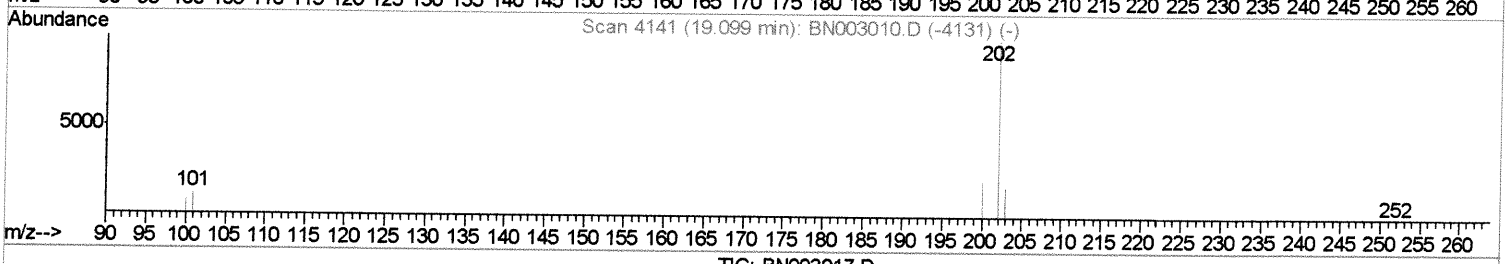
Quant Time: Oct 09 10:40:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC14

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







TIC: BN003017.D

(15) Fluoranthene (C)

19.085min (-0.014) 0.62ng/ul m SJ 10/10/18

response 15102

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	12.36
100.00	9.10	9.54
0.00	0.00	0.00

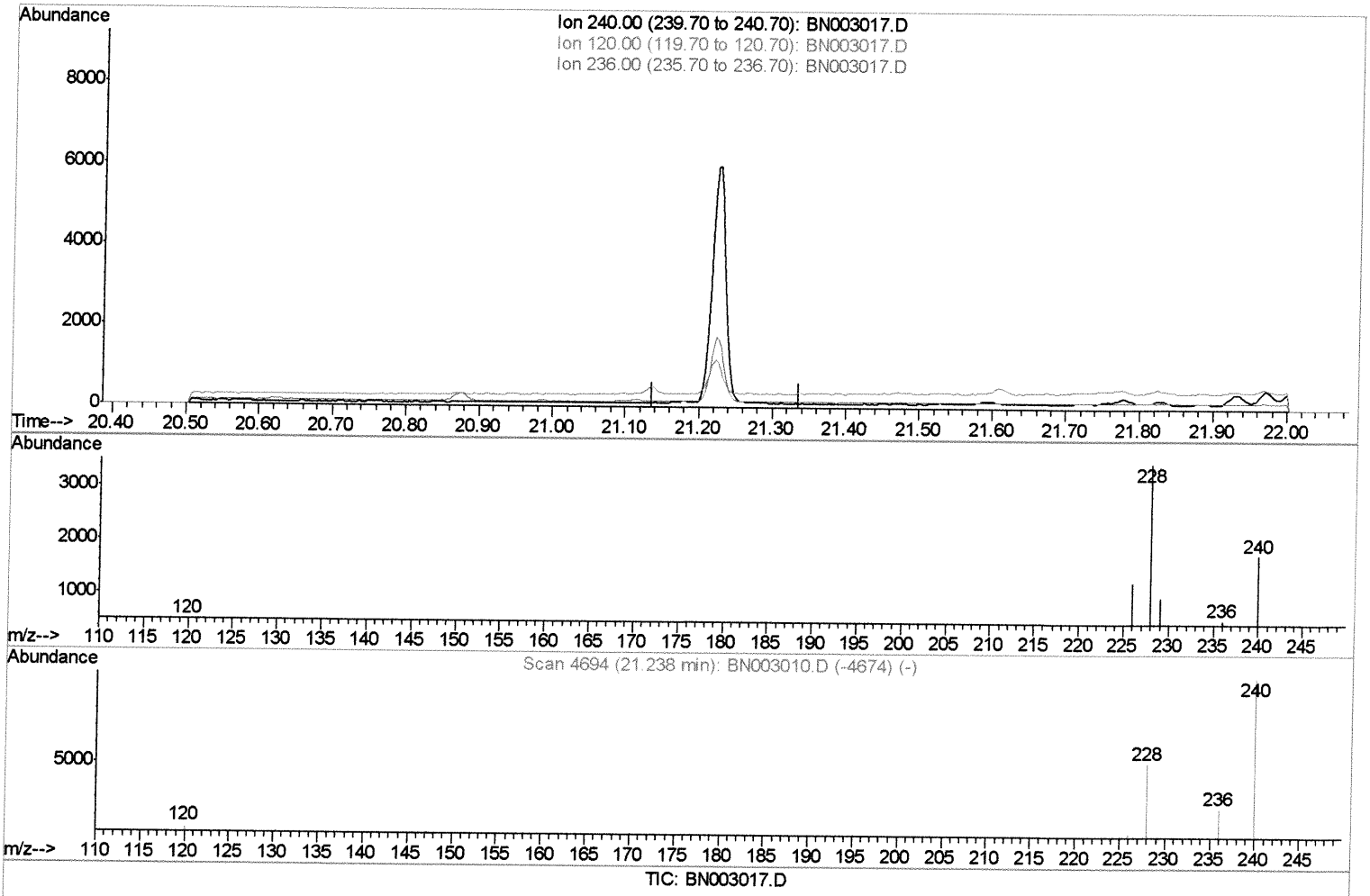
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:40:21 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 :
JLC14

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



(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

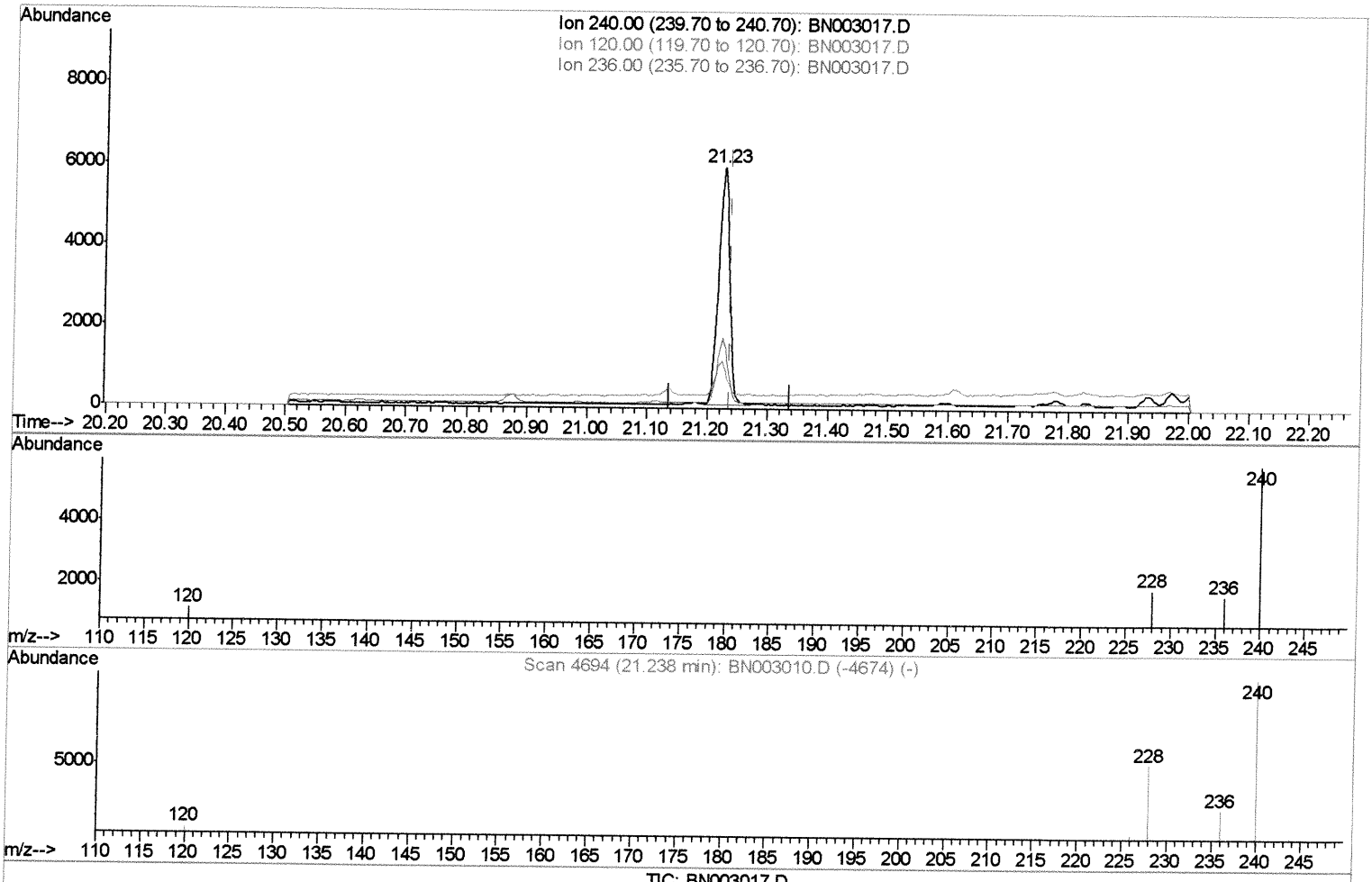
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:40:21 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 : JLC14

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 7468

Ion	Exp%	Act%
240.00	100	100
120.00	16.40	18.62
236.00	28.10	28.16
0.00	0.00	0.00

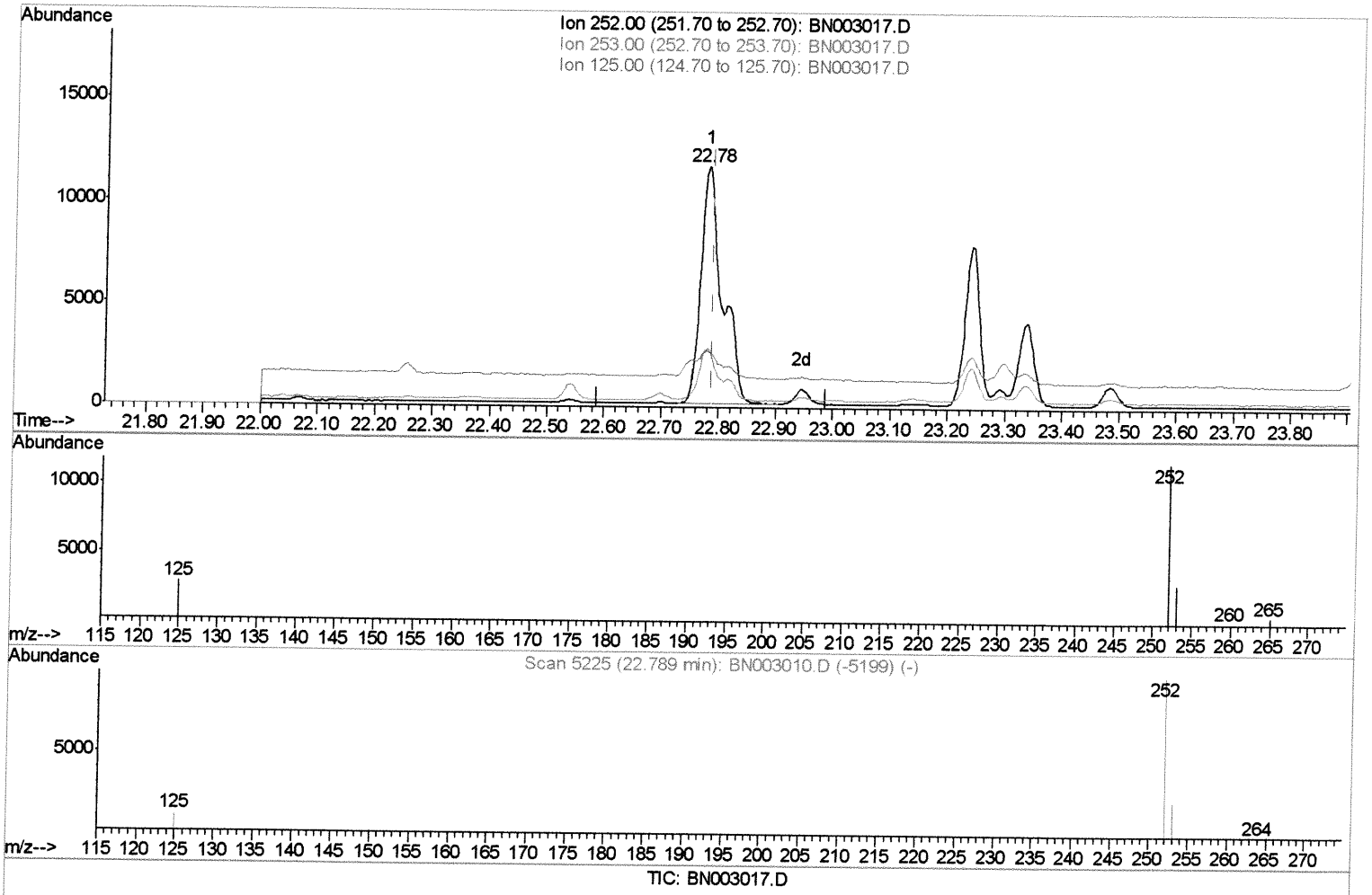
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:41:56 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 :
JLC14

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



TIC: BN003017.D

(21) Benzo(b)fluoranthene

22.781min (-0.009) 1.21ng/ul

response 30765

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.81
125.00	17.10	23.87
0.00	0.00	0.00

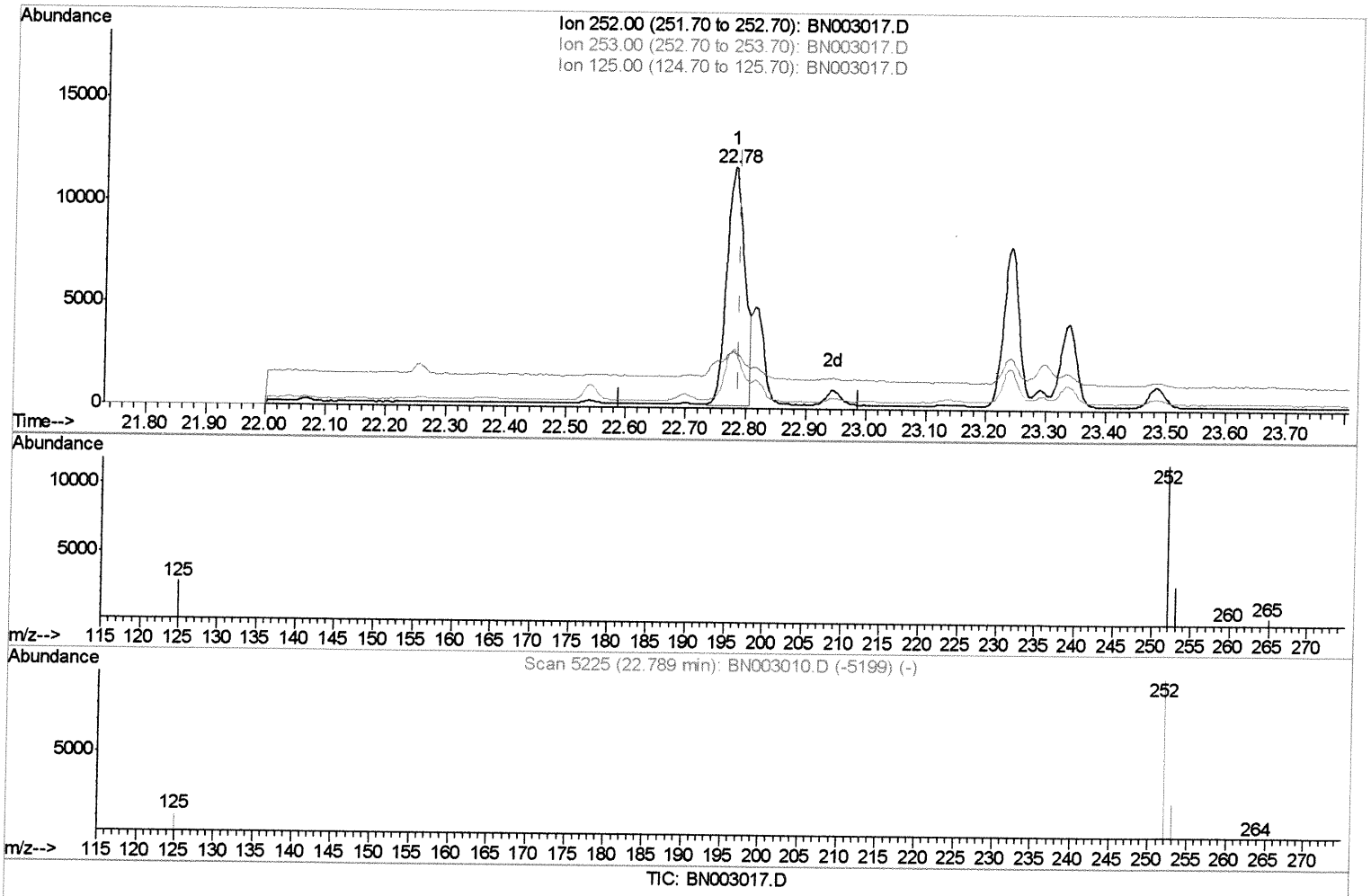
Quantitation Report (Qedit)

Instrument : BNA_N
ClientSampleId : JLC14

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:41:56 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: BN003017.D

(21) Benzo(b)fluoranthene

22.781min (-0.009) 0.96ng/ul m SJ 10/10/18

response 24331

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.81
125.00	17.10	23.87
0.00	0.00	0.00

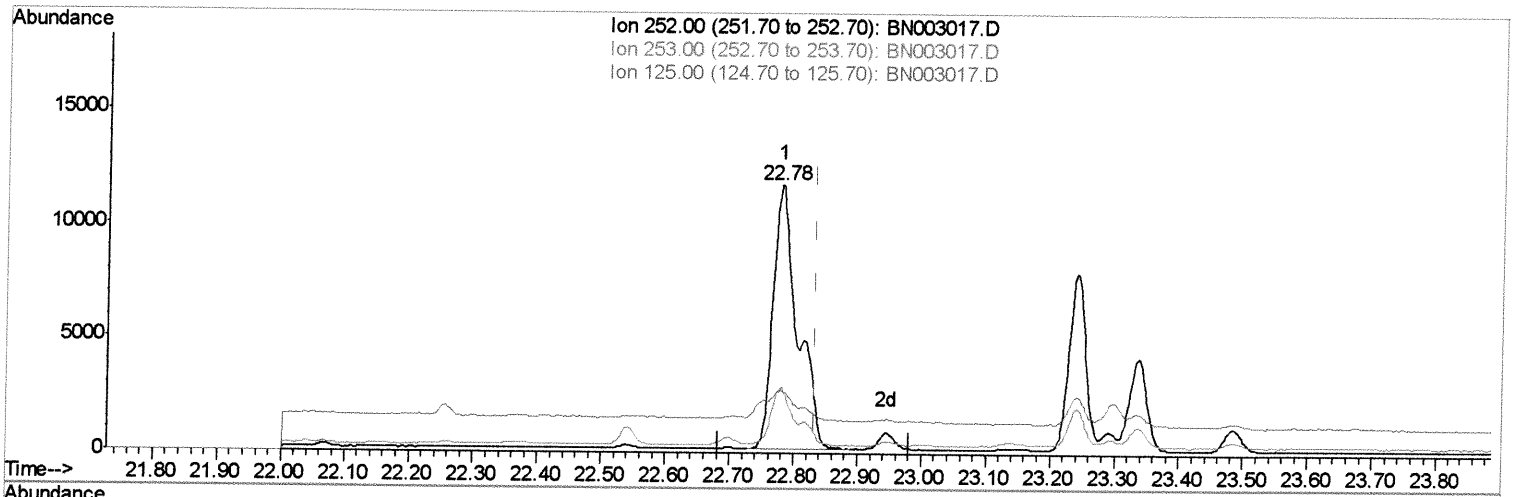
Quantitation Report (Qedit)

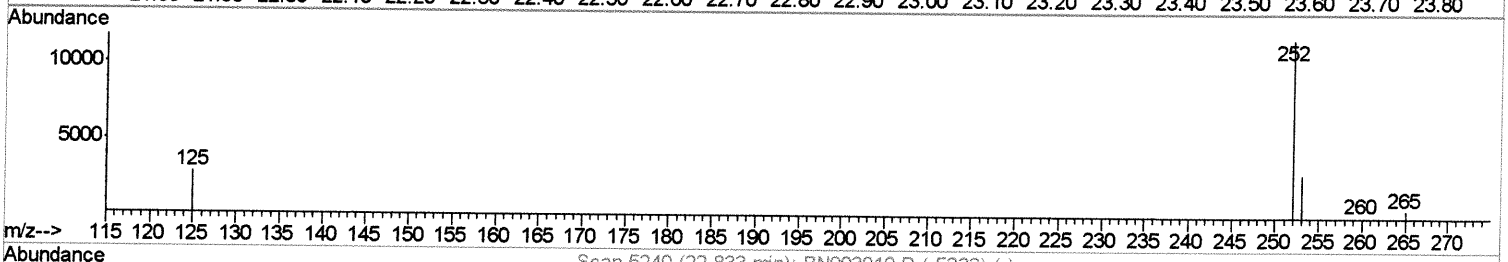
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

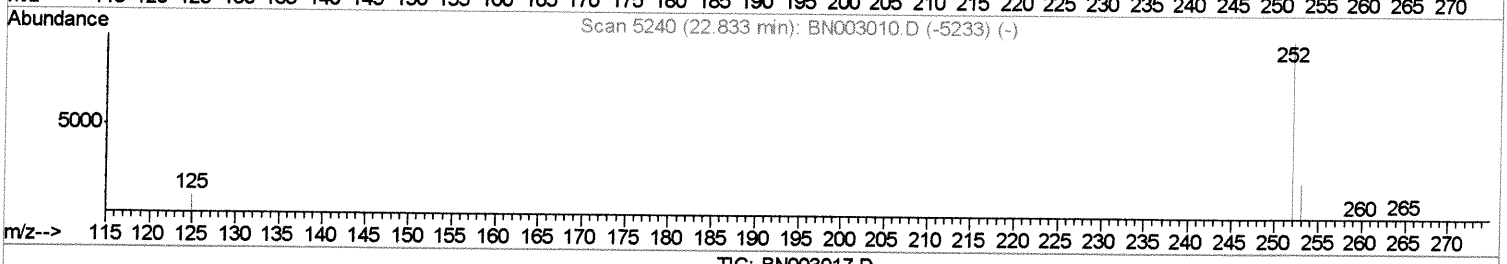
Quant Time: Oct 09 10:41:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN100918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 09 08:56:18 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLC14

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







TIC: BN003017.D

(22) Benzo(k)fluoranthene

22.781min (-0.053) 1.17ng/ul

response 30737

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.81
125.00	17.60	23.87#
0.00	0.00	0.00

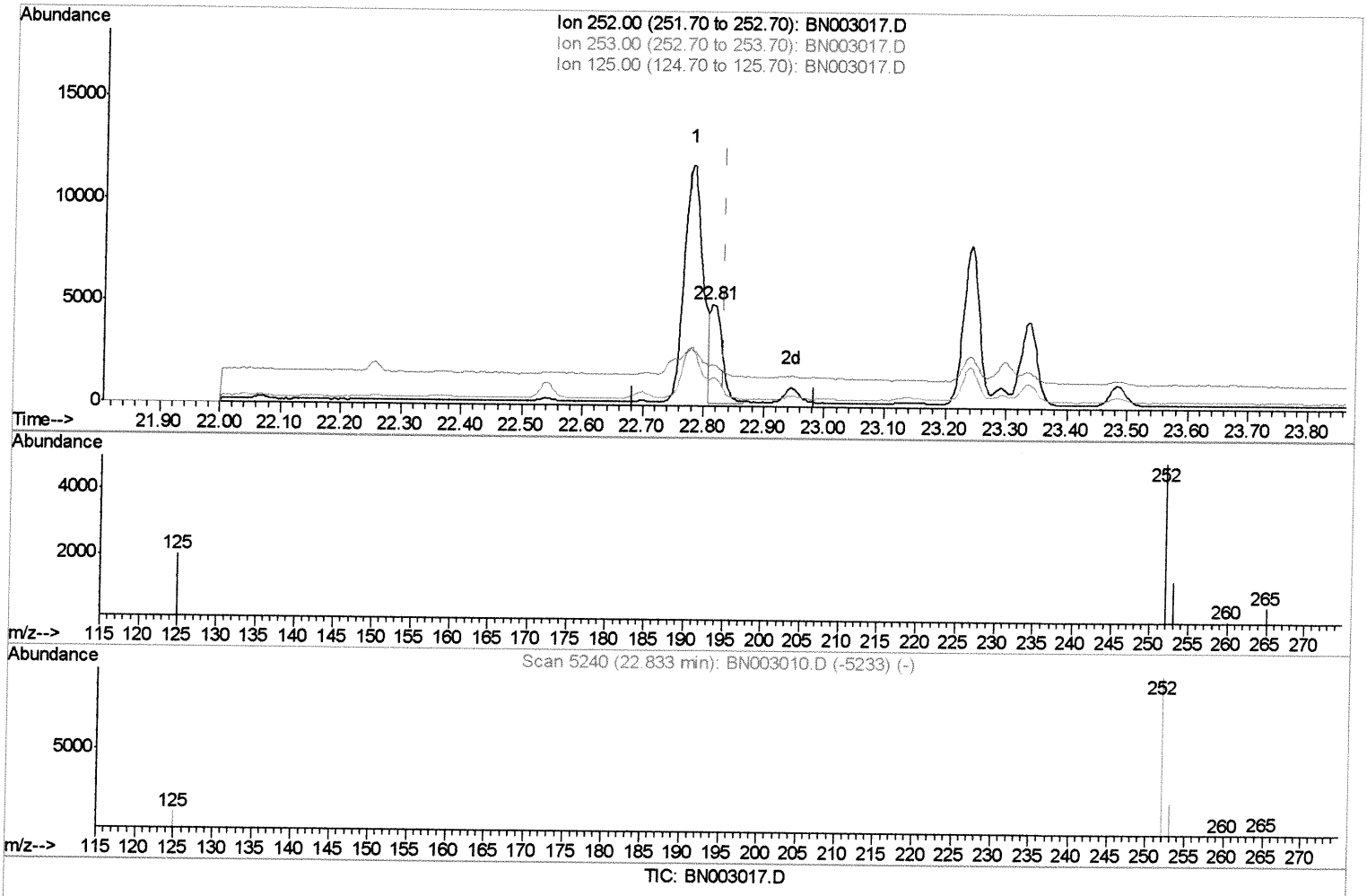
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:41:56 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 :
JLC14

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



TIC: BN003017.D

(22) Benzo(k)fluoranthene

22.813min (-0.020) 0.25ng/ul m SJ 10/10/18

response 6683

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.11
125.00	17.60	40.54#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Instrument :
BNA_N
ClientSampleId :
JLC14

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100918\
Data File : BN003017.D
Acq On : 09 Oct 2018 09:00
Operator : MJ/SJ
Sample : J5115-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Oct 09 10:43:29 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	1165	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	5127	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	3062	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	7396m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	7468m	0.40	ng/ul	-0.01
20) Perylene-d12	23.44	264	7032	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1970	0.25	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	5797m	0.27	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.44	128	2138	0.163	ng/ul#	92
5) 2-Methylnaphthalene	12.08	142	834	0.092	ng/ul	97
7) Acenaphthylene	13.98	152	683	0.049	ng/ul#	73
8) Acenaphthene	14.32	153	1957	0.184	ng/ul	98
9) Fluorene	15.32	166	1646	0.135	ng/ul#	97
12) Phenanthrene	17.06	178	9631	0.467	ng/ul	98
15) Fluoranthene	19.09	202	15102m	0.624	ng/ul	
17) Pyrene	19.45	202	18253	0.629	ng/ul	98
18) Benzo(a)anthracene	21.21	228	10429	0.434	ng/ul	97
19) Chrysene	21.26	228	59054	2.420	ng/ul	99
21) Benzo(b)fluoranthene	22.78	252	24331m	0.961	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	6683m	0.255	ng/ul	
23) Benzo(a)pyrene	23.34	252	7750	0.341	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.65	276	7385	0.283	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.65	278	2035	0.097	ng/ul#	42
26) Benzo(g,h,i)perylene	26.32	276	7661	0.348	ng/ul	93

SJ 10/10/18
SJ 10/10/18
SJ 10/10/18
SJ 10/10/18

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