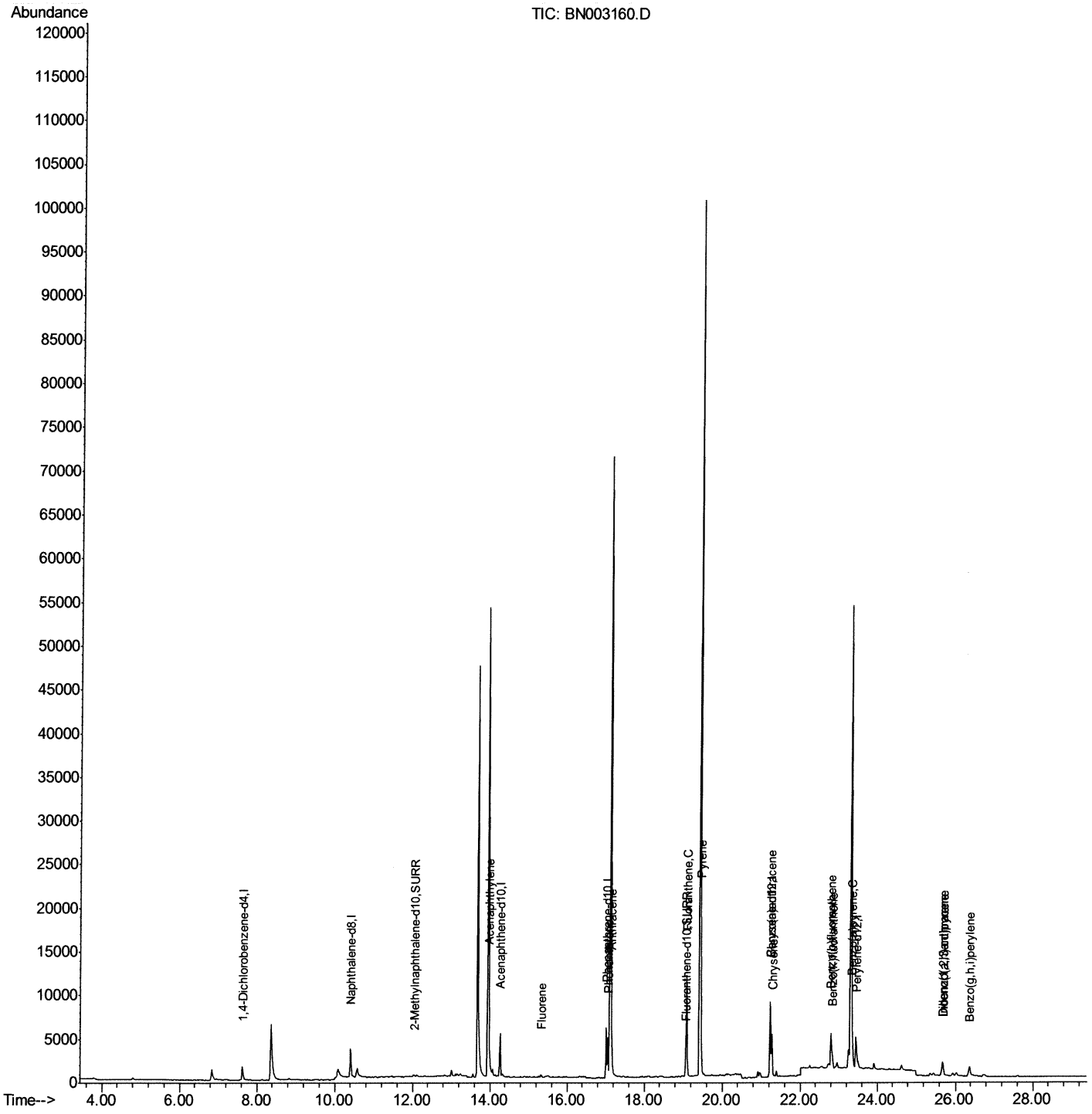
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:38:32 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM



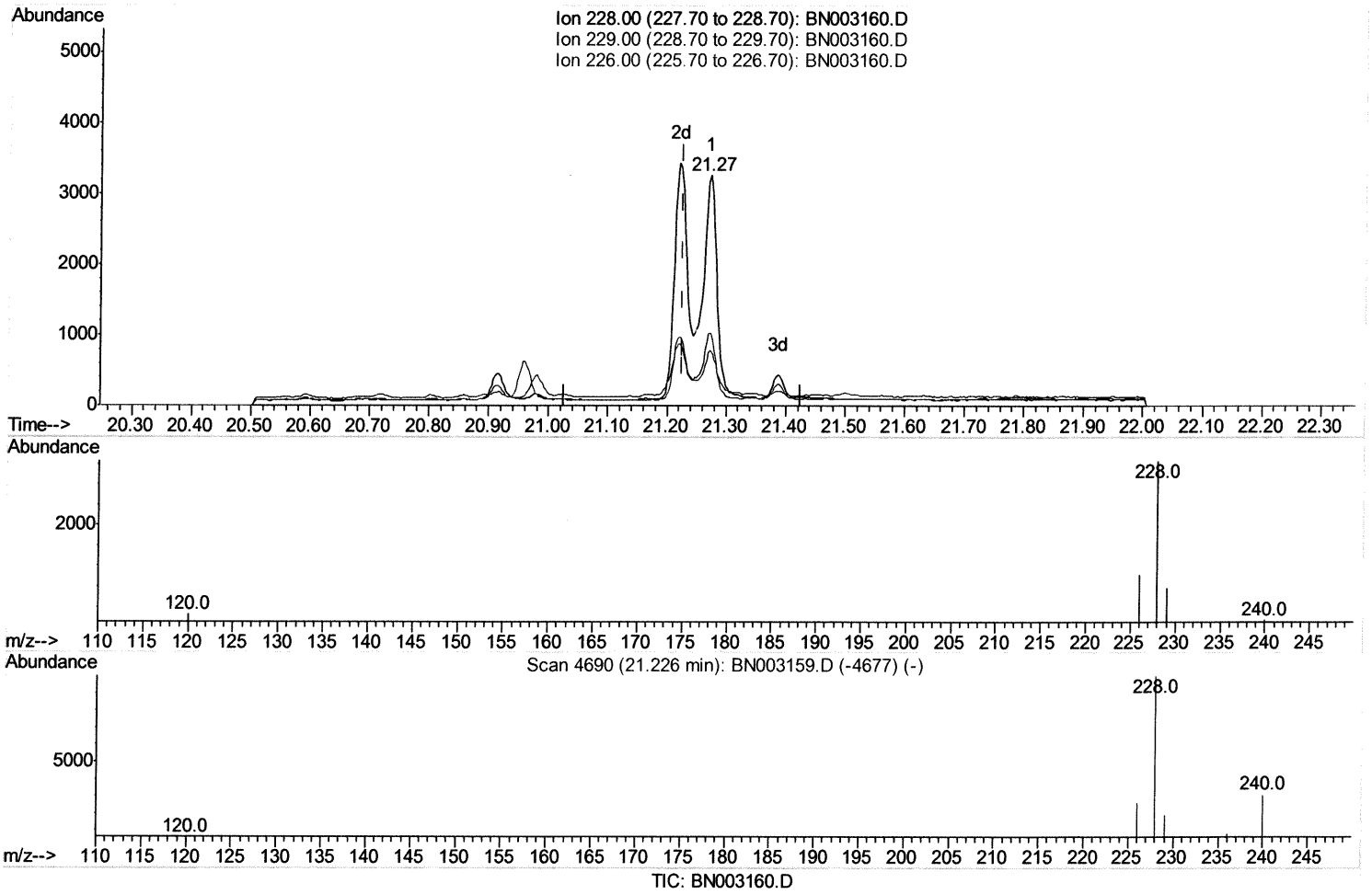
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:03:34 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM



TIC: BN003160.D

(18) Benzo(a)anthracene

21.273min (+0.047) 0.24ng/ul

response 4905

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	23.86
226.00	27.90	31.75
0.00	0.00	0.00

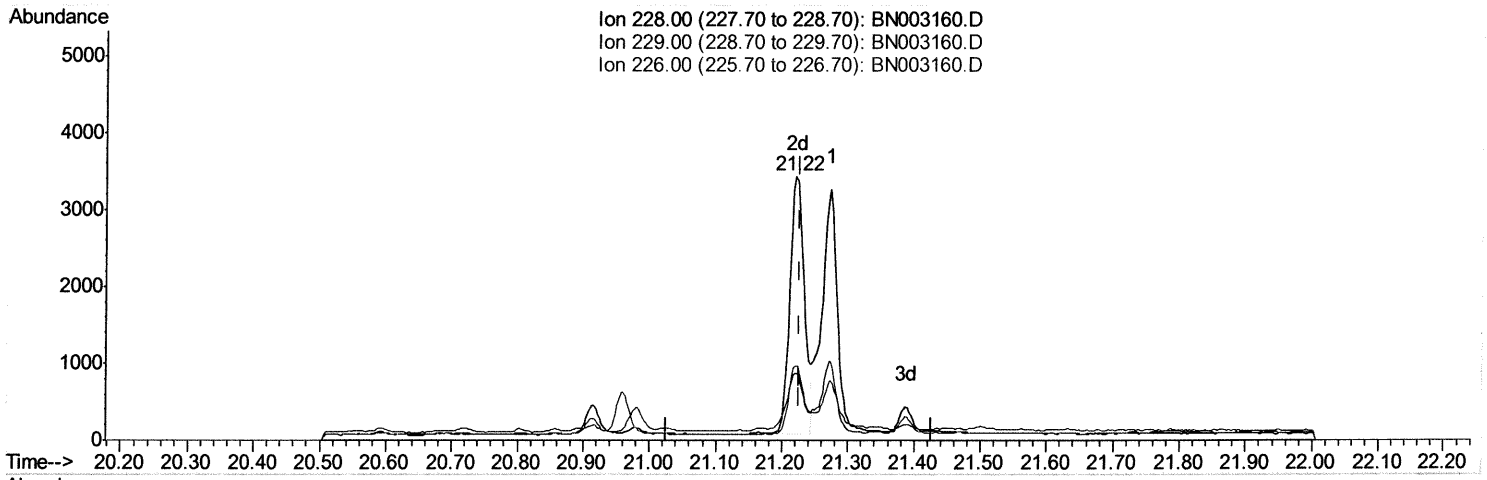
Quantitation Report (Qedit)

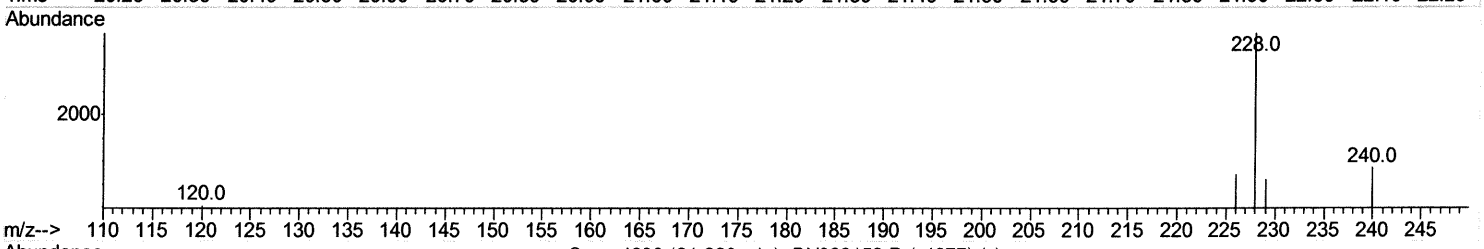
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:03:34 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

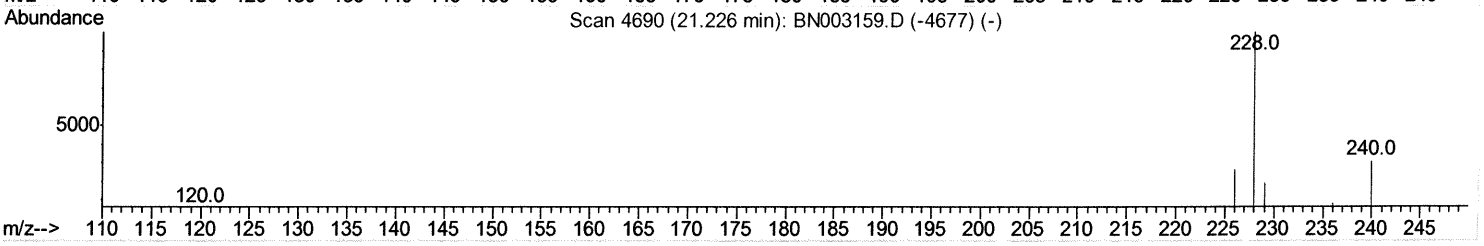
Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM





Scan 4690 (21.226 min): BN003159.D (-4677) (-)



TIC: BN003160.D

(18) Benzo(a)anthracene

21.220min (-0.006) 0.25ng/ul m SJ 10/19/18

response 5105

Ion	Exp%	Act%
228.00	100	100
229.00	20.20	25.63#
226.00	27.90	28.05
0.00	0.00	0.00

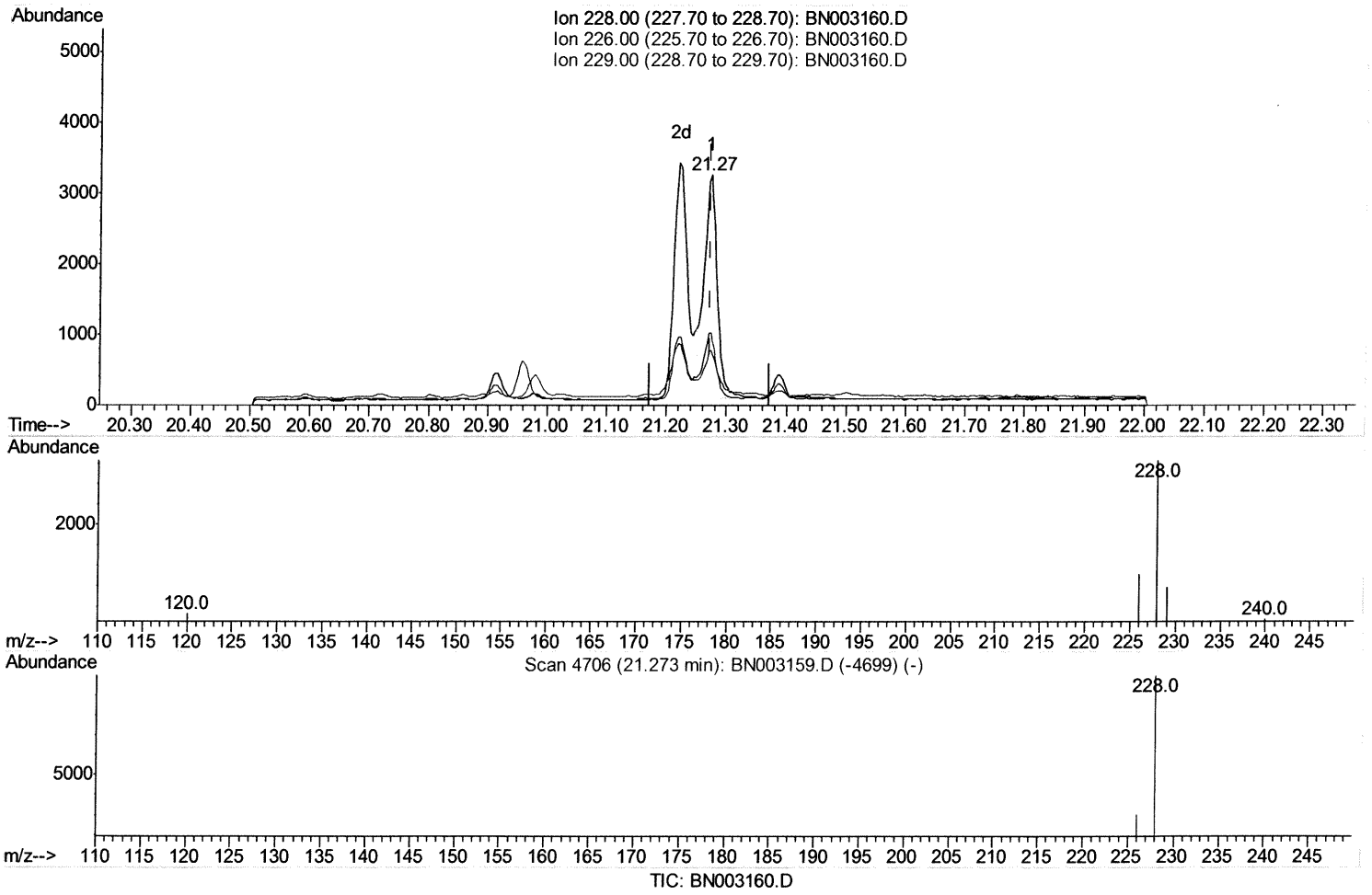
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:03:34 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM



TIC: BN003160.D

(19) Chrysene

21.273min (-0.000) 0.24ng/ul

response 4902

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	31.75
229.00	20.90	23.86
0.00	0.00	0.00

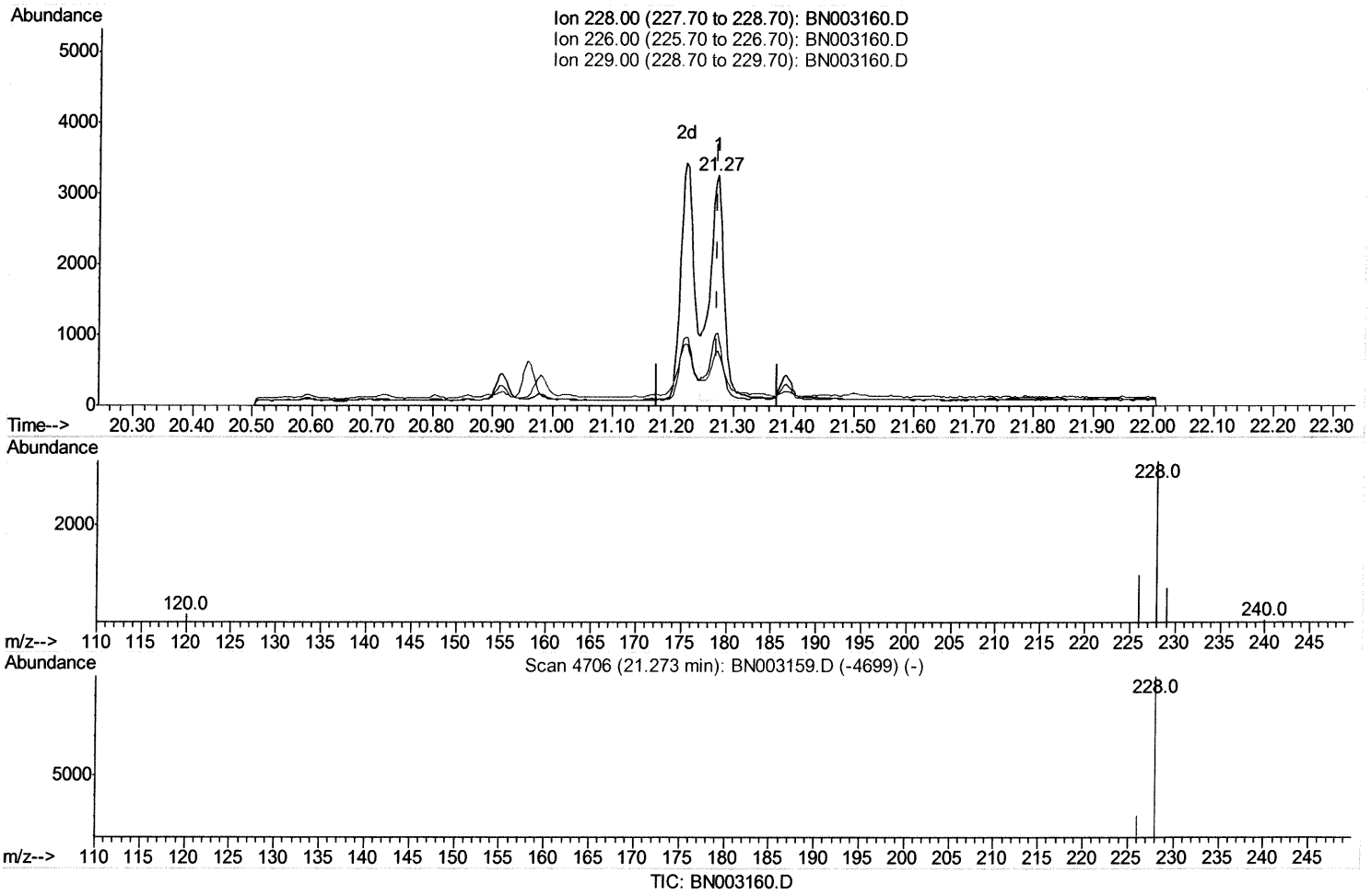
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:03:34 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM



TIC: BN003160.D

(19) Chrysene

21.273min (-0.000) 0.27ng/ul m SJ 10/19/18

response 5411

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	31.75
229.00	20.90	23.86
0.00	0.00	0.00

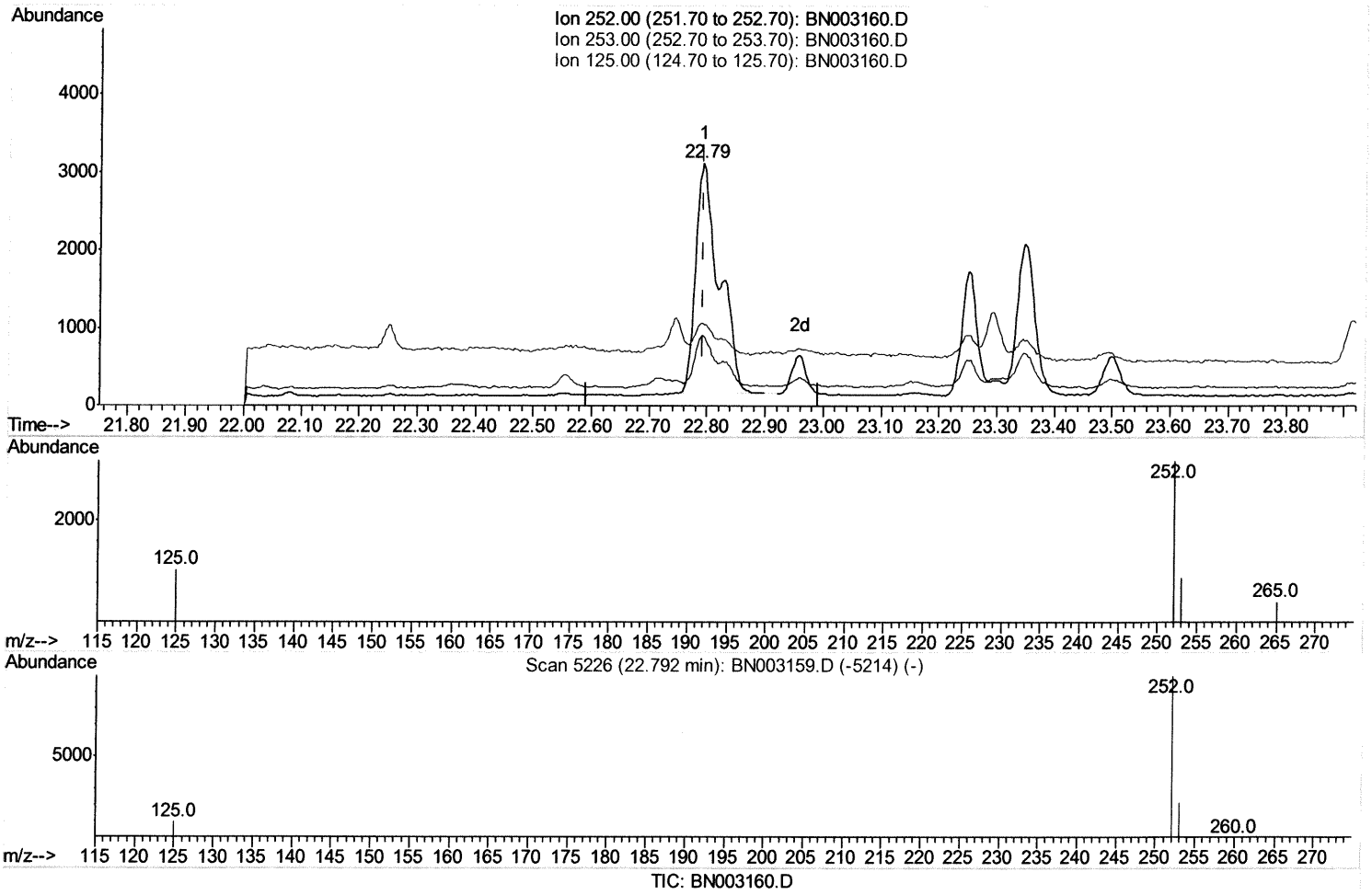
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:03:34 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM



TIC: BN003160.D

(21) Benzo(b)fluoranthene

22.792min (-0.000) 0.45ng/ul

response 8468

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.99
125.00	17.10	34.08
0.00	0.00	0.00

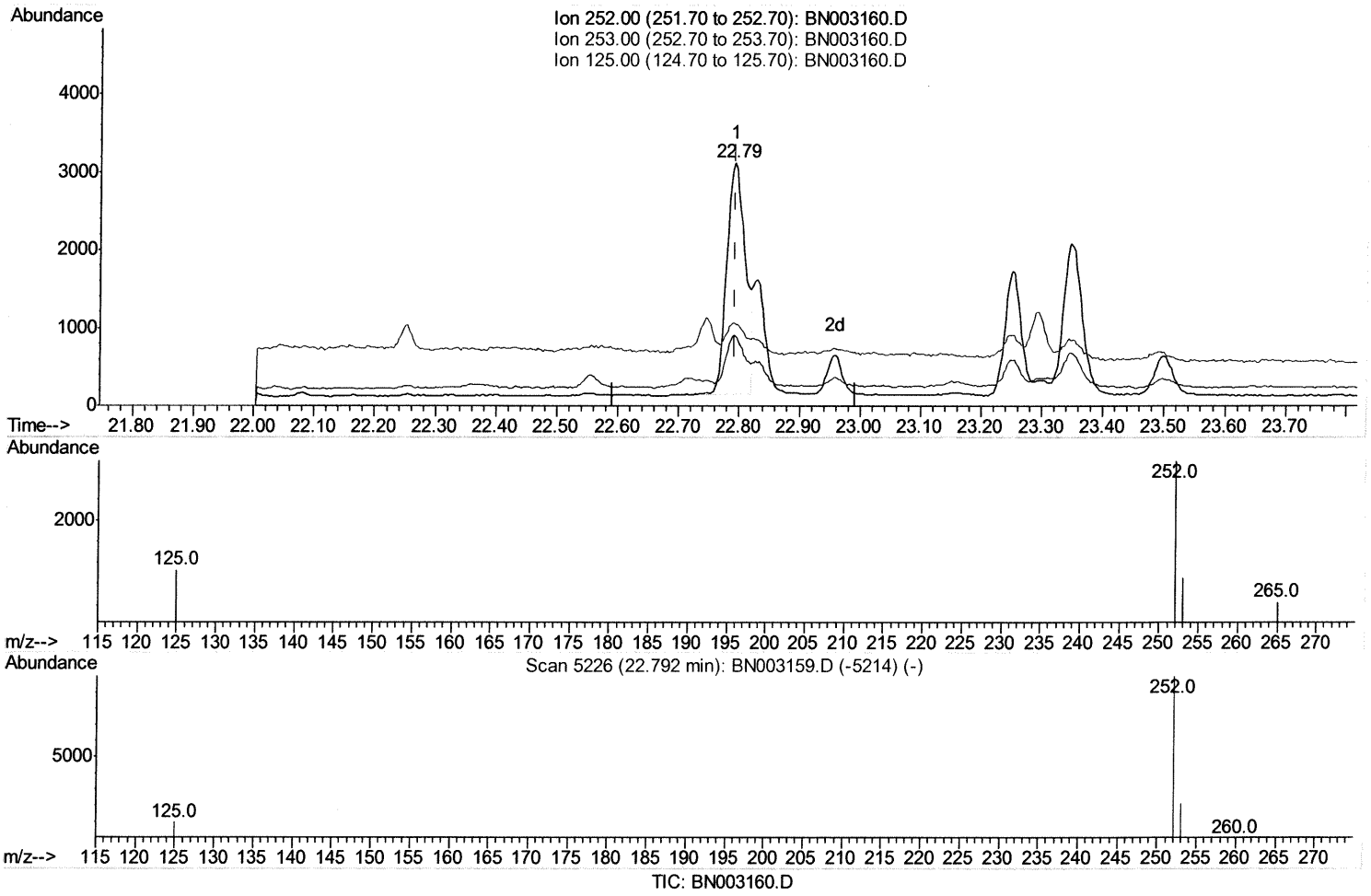
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:03:34 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM



TIC: BN003160.D

(21) Benzo(b)fluoranthene

22.792min (-0.000) 0.33ng/ul m SJ 10/19/18

response 6275

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.99
125.00	17.10	34.08
0.00	0.00	0.00

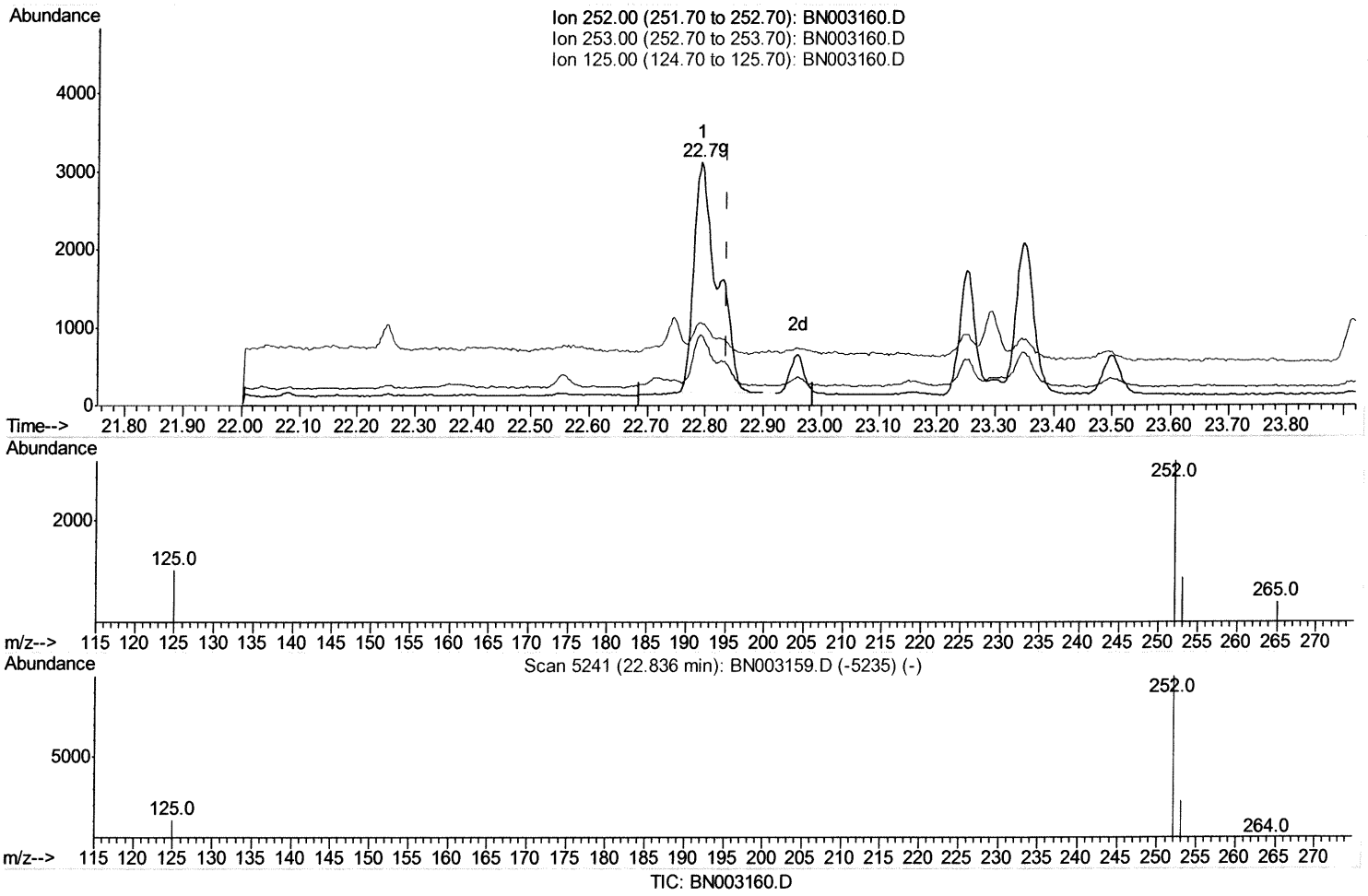
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:03:34 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM



TIC: BN003160.D

(22) Benzo(k)fluoranthene

22.792min (-0.044) 0.44ng/ul

response 8468

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.99
125.00	17.60	34.08#
0.00	0.00	0.00

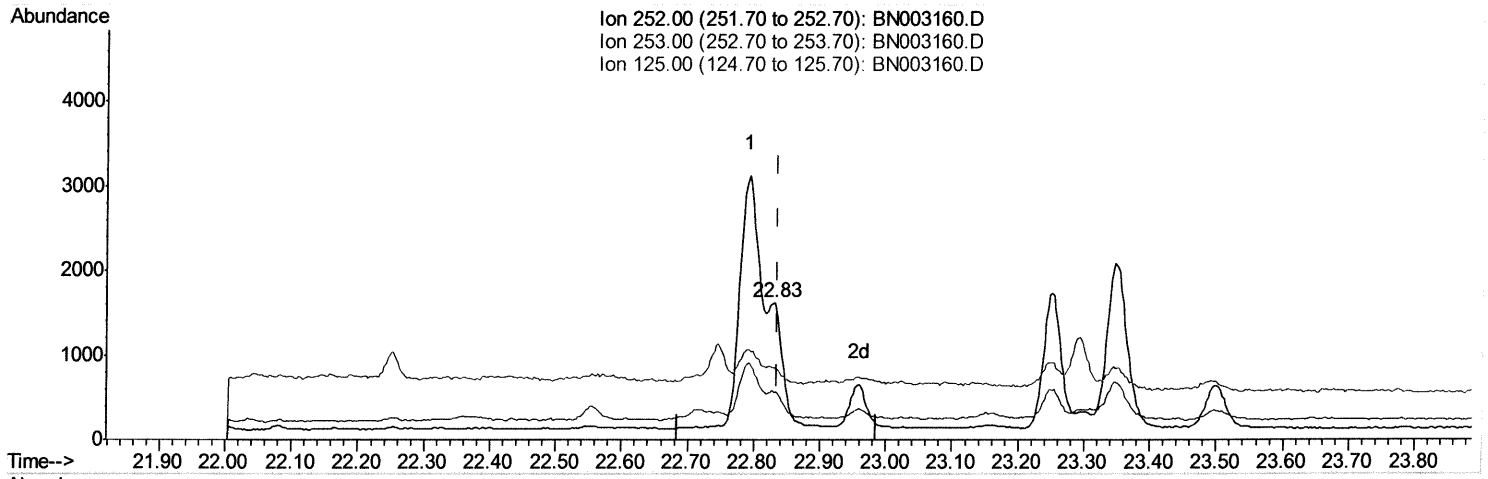
Quantitation Report (Qedit)

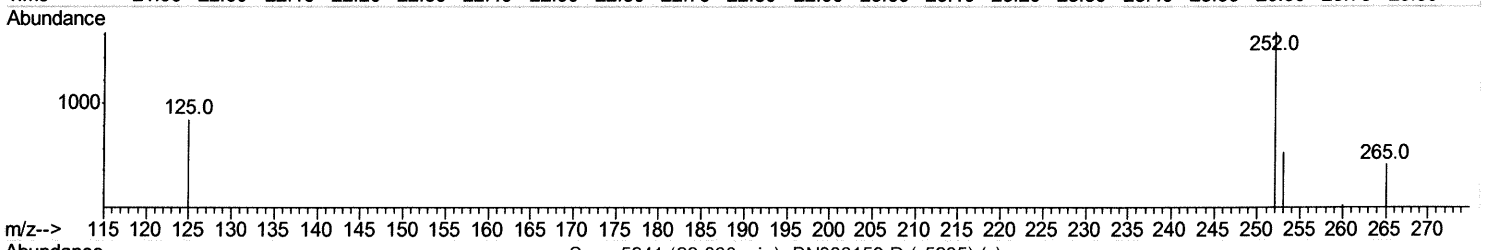
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Oct 13 06:03:34 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

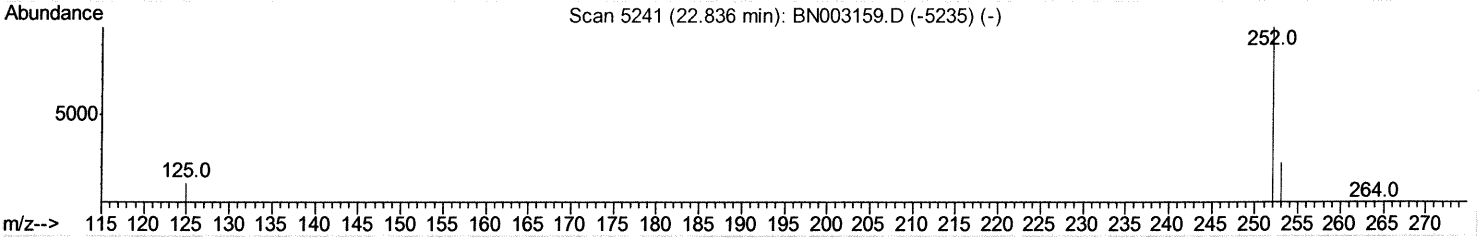
Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM





Scan 5241 (22.836 min): BN003159.D (-5235) (-)



TIC: BN003160.D

(22) Benzo(k)fluoranthene

22.830min (-0.006) 0.12ng/ul m SJ 10/19/18

response 2296

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	34.44#
125.00	17.60	52.43#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101318\
Data File : BN003160.D
Acq On : 13 Oct 2018 03:43
Operator : MJ/SJ
Sample : J5368-01DL 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A3YZ7DL

Manual Integrations APPROVED
Sohil
10/15/2018 4:15:20 PM

Quant Time: Oct 13 06:38:32 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 : Sat Oct 13 05:59:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1210	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.40	136	5204	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.26	164	3074	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.02	188	7242	0.40	ng/ul	-0.02
16) Chrysene-d12	21.23	240	6223	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5211	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	568	0.07	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	1442	0.07	ng/ul	-0.01
Target Compounds						Qvalue
7) Acenaphthylene	13.98	152	410	0.029	ng/ul#	1
9) Fluorene	15.32	166	301	0.025	ng/ul#	87
12) Phenanthrene	17.06	178	5082	0.252	ng/ul	98
13) Anthracene	17.15	178	1463	0.077	ng/ul#	81
15) Fluoranthene	19.09	202	10487	0.443	ng/ul	98
17) Pyrene	19.45	202	9898	0.410	ng/ul	99
18) Benzo(a)anthracene	21.22	228	5105m	0.255	ng/ul	
19) Chrysene	21.27	228	5411m	0.266	ng/ul	
21) Benzo(b)fluoranthene	22.79	252	6275m	0.334	ng/ul	
22) Benzo(k)fluoranthene	22.83	252	2296m	0.118	ng/ul	
23) Benzo(a)pyrene	23.35	252	4190	0.249	ng/ul#	79
24) Indeno(1,2,3-cd)pyrene	25.68	276	2831	0.146	ng/ul	92
25) Dibenzo(a,h)anthracene	25.68	278	789	0.051	ng/ul#	21
26) Benzo(g,h,i)perylene	26.36	276	2471	0.152	ng/ul#	86

SJ 10/19/18

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