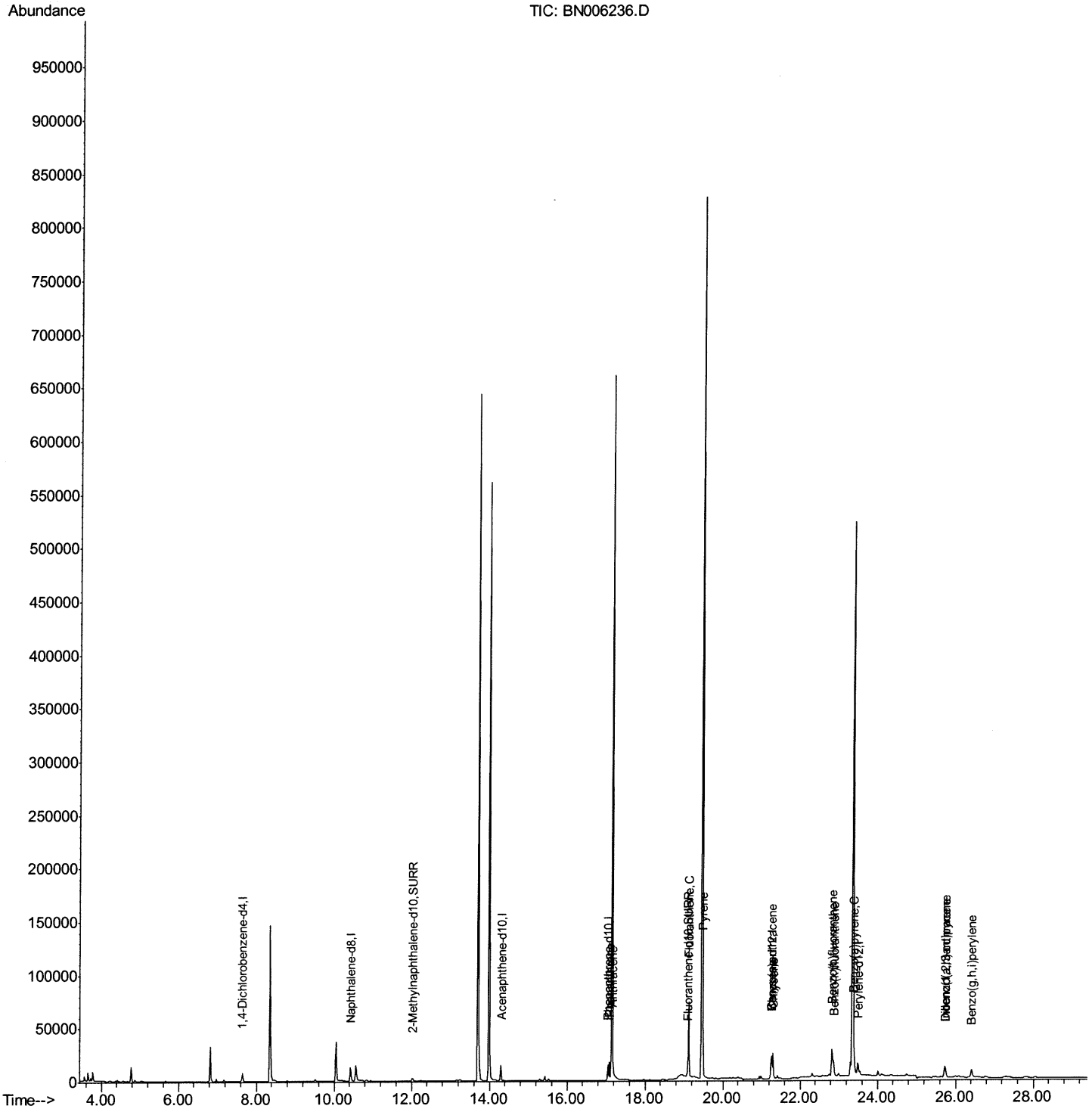
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 02:27:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM



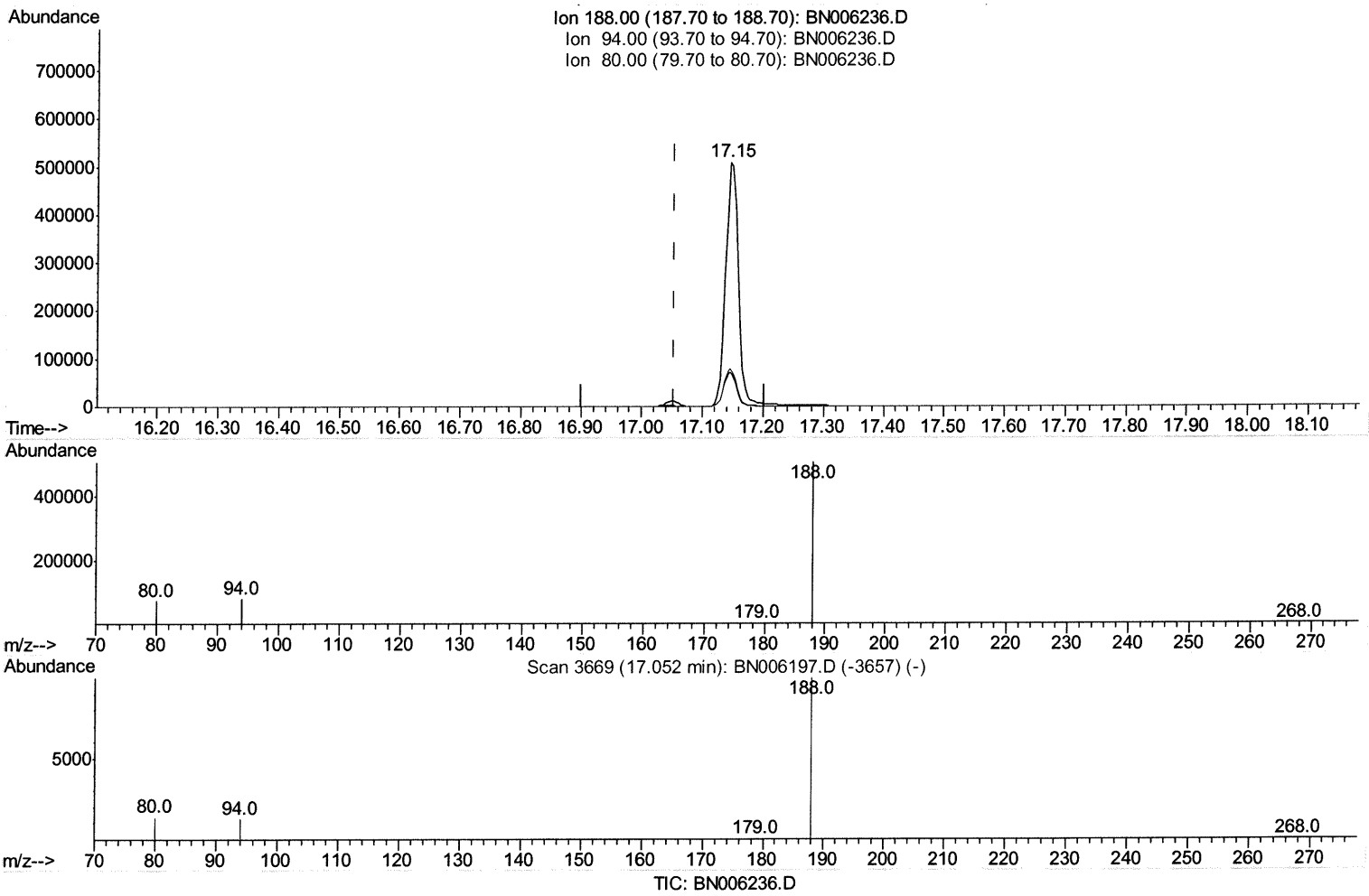
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 00:19:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM



TIC: BN006236.D

(10) Phenanthrene-d10 (I)

17.145min (+0.093) 0.40ng/ul

response 742184

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.58
80.00	13.60	14.21
0.00	0.00	0.00

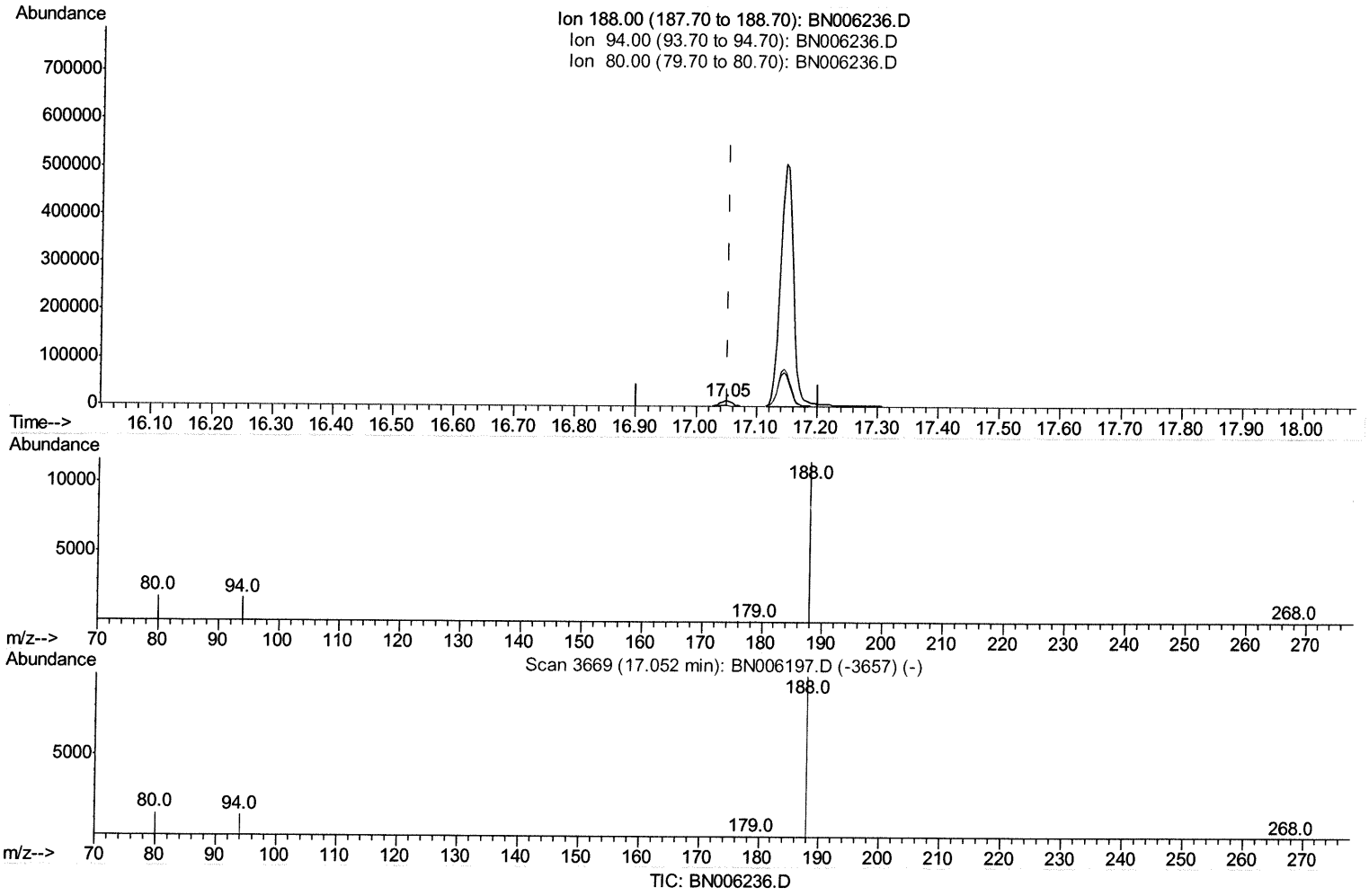
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 00:19:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM



TIC: BN006236.D

(10) Phenanthrene-d10 (I)

17.048min (-0.004) 0.40ng/ul m JU 06/11/19

response 17015

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.46
80.00	13.60	15.78
0.00	0.00	0.00

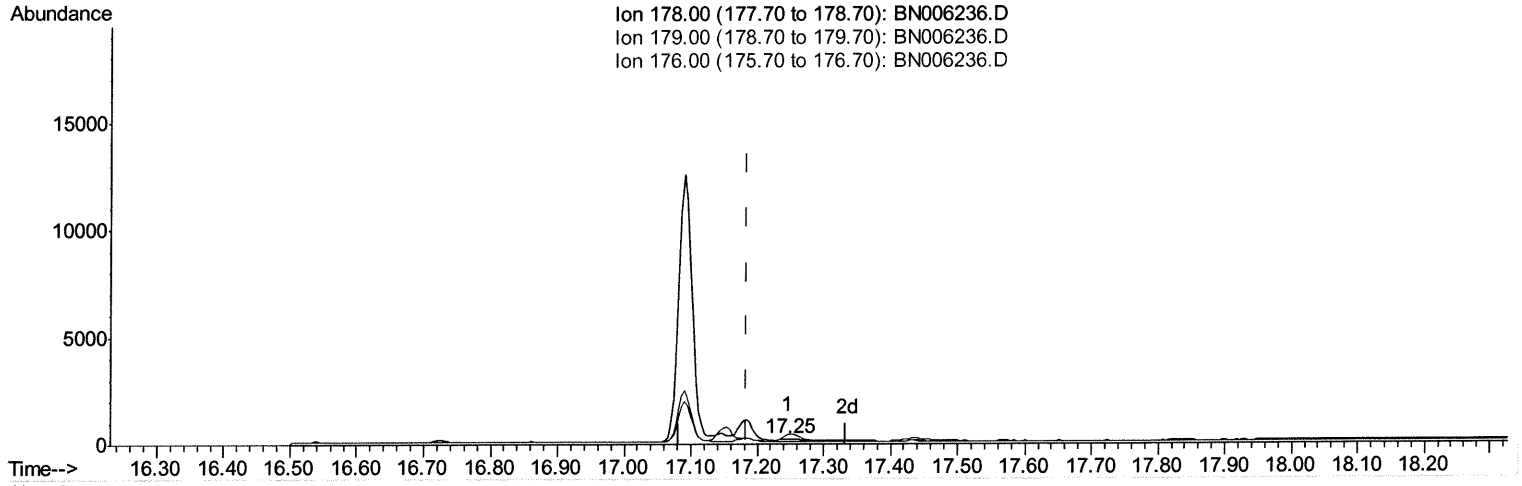
Quantitation Report (Qedit)

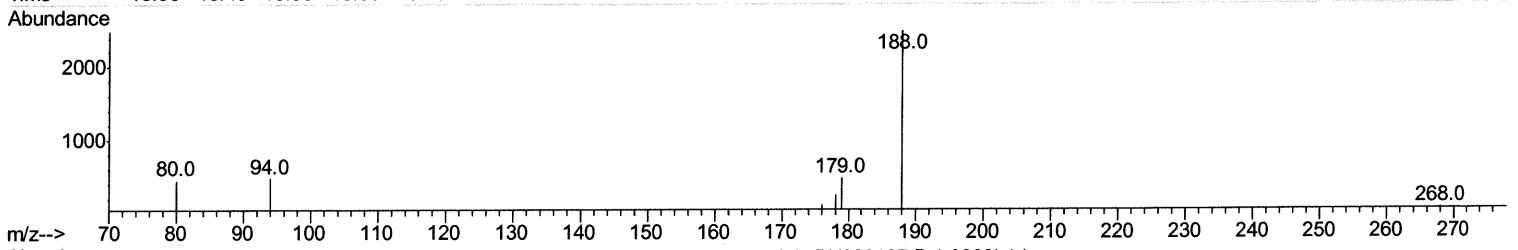
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

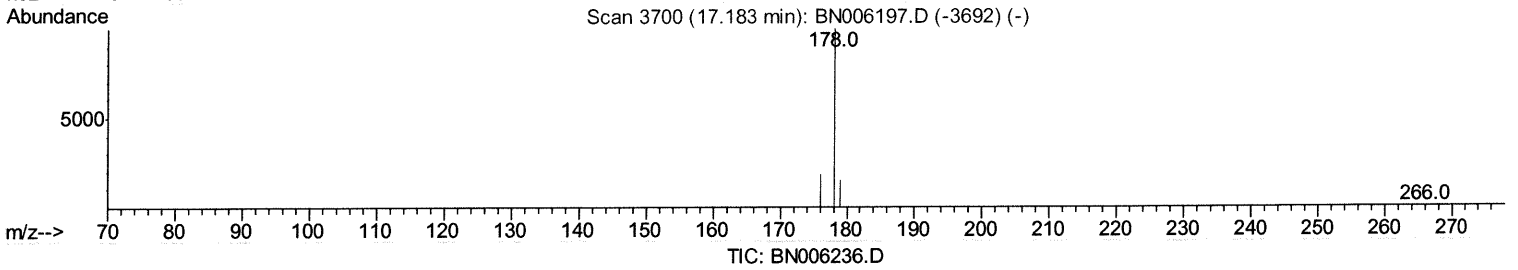
Quant Time: Jun 11 02:24:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM







(13) Anthracene

17.246min (+0.063) 0.00ng/ul

response 250

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	186.10#
176.00	18.90	43.63#
0.00	0.00	0.00

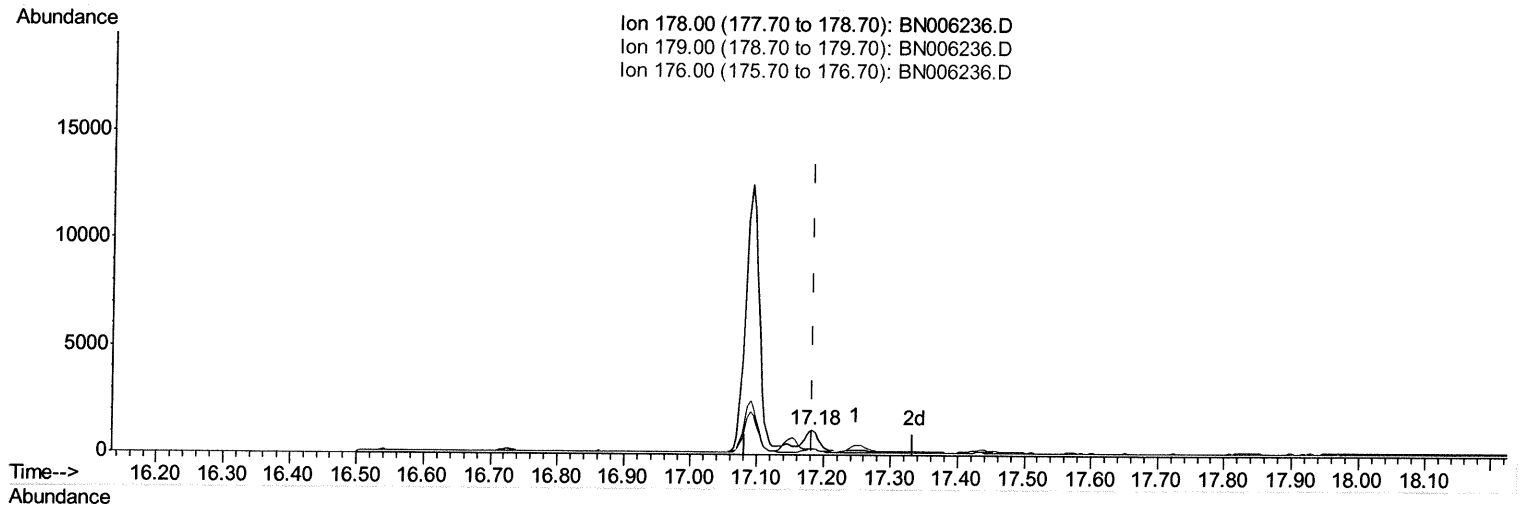
Quantitation Report (Qedit)

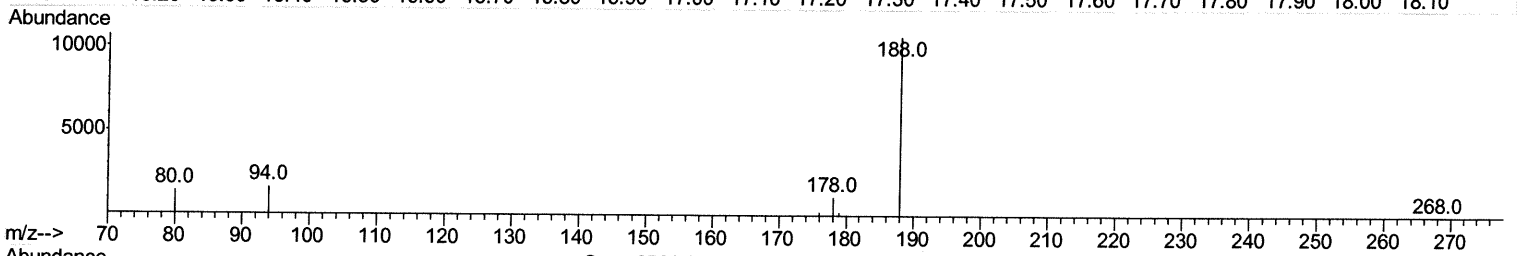
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

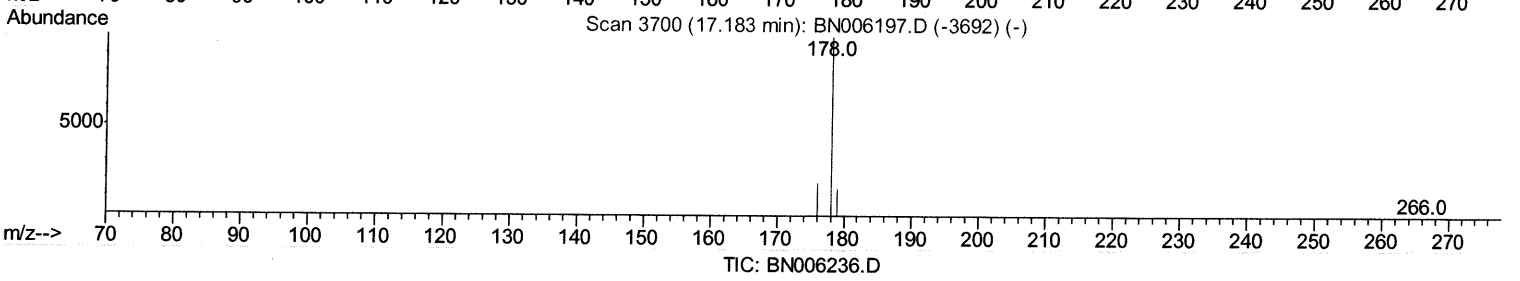
Quant Time: Jun 11 02:24:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM







TIC: BN006236.D

(13) Anthracene

17.183min (-0.000) 0.04ng/ul m JU 06/11/19

response 1893

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	26.02#
176.00	18.90	25.58#
0.00	0.00	0.00

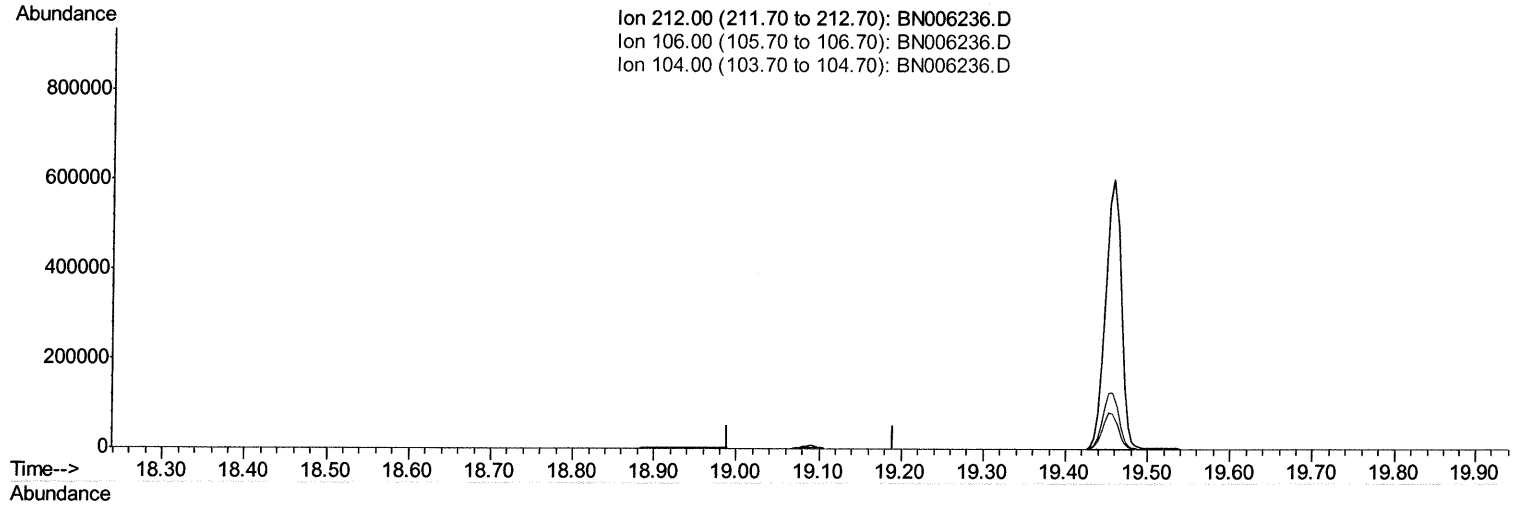
Quantitation Report (Qedit)

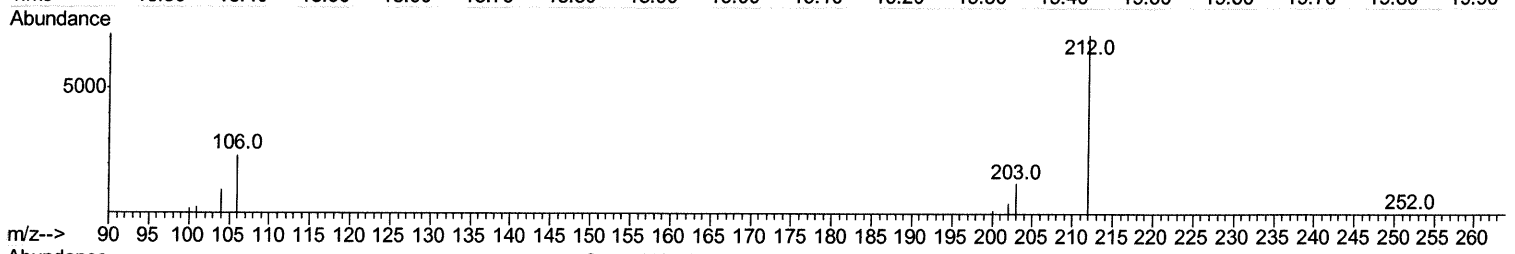
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 02:24:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

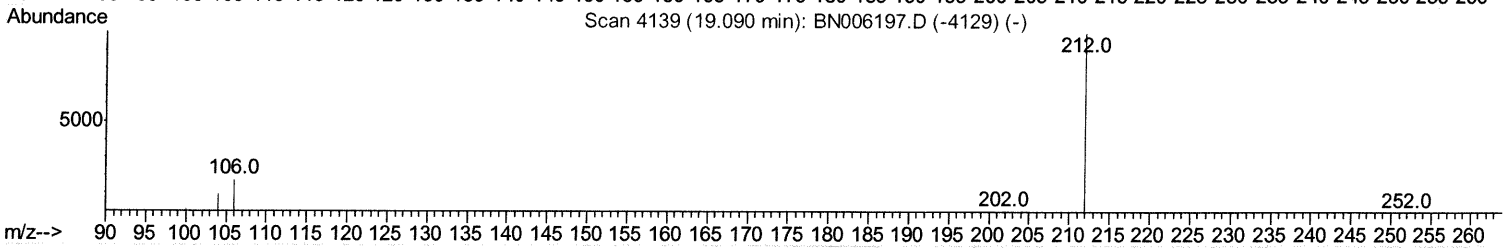
Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM





Scan 4139 (19.090 min): BN006197.D (-4129) (-)



TIC: BN006236.D

(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

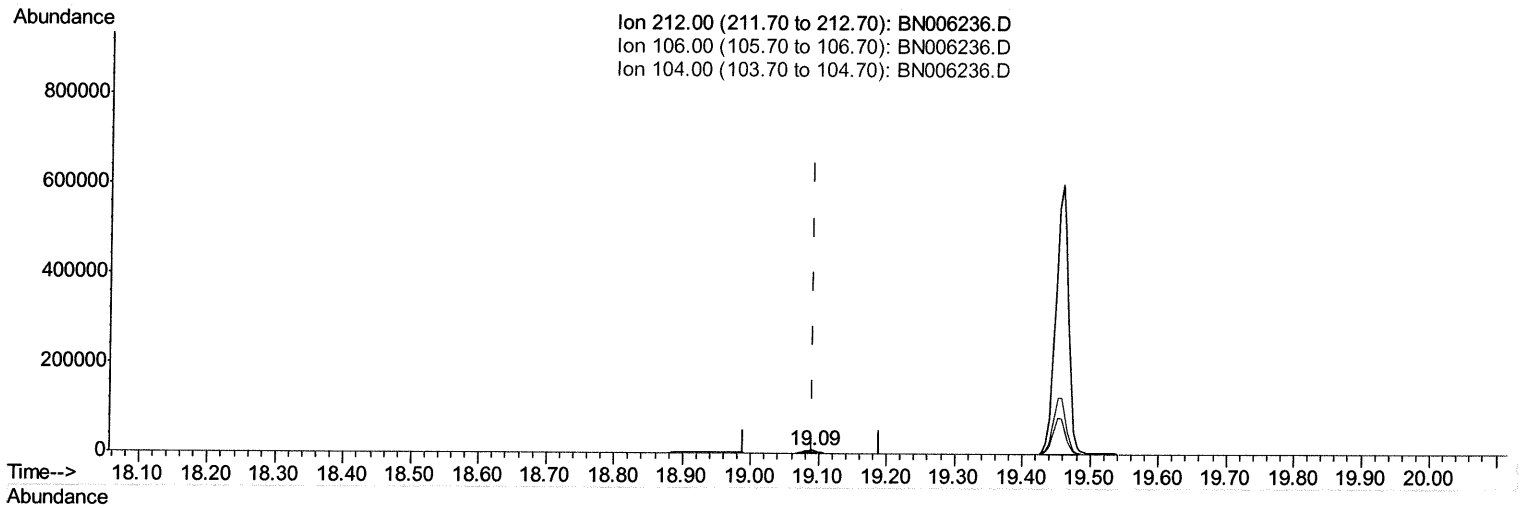
Quantitation Report (Qedit)

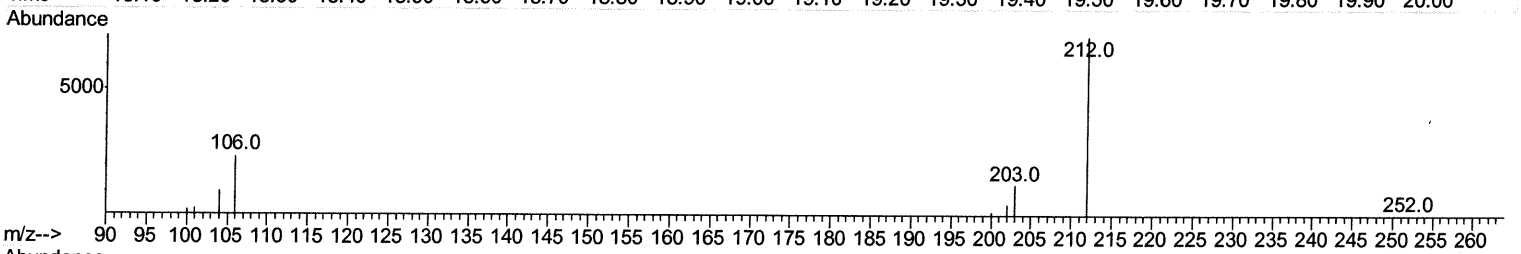
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

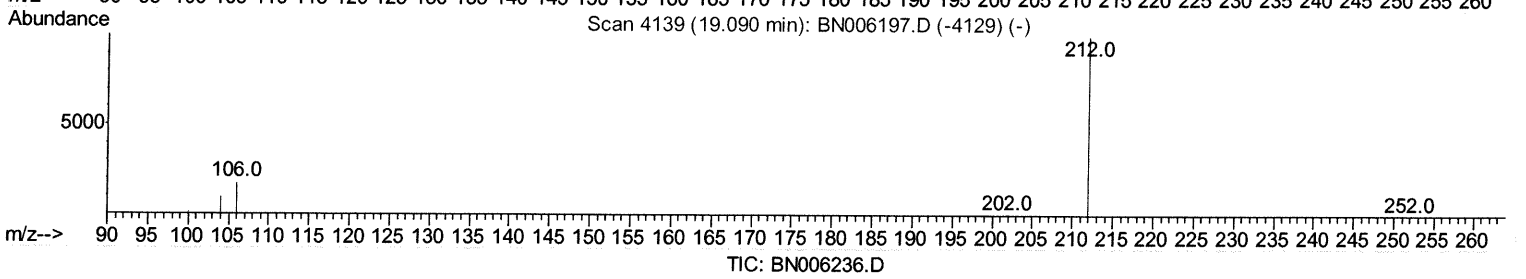
Quant Time: Jun 11 02:24:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM







(14) Fluoranthene-d10 (SURR)

19.090min (-0.000) 0.22ng/ul m JU 06/11/19

response 10118

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

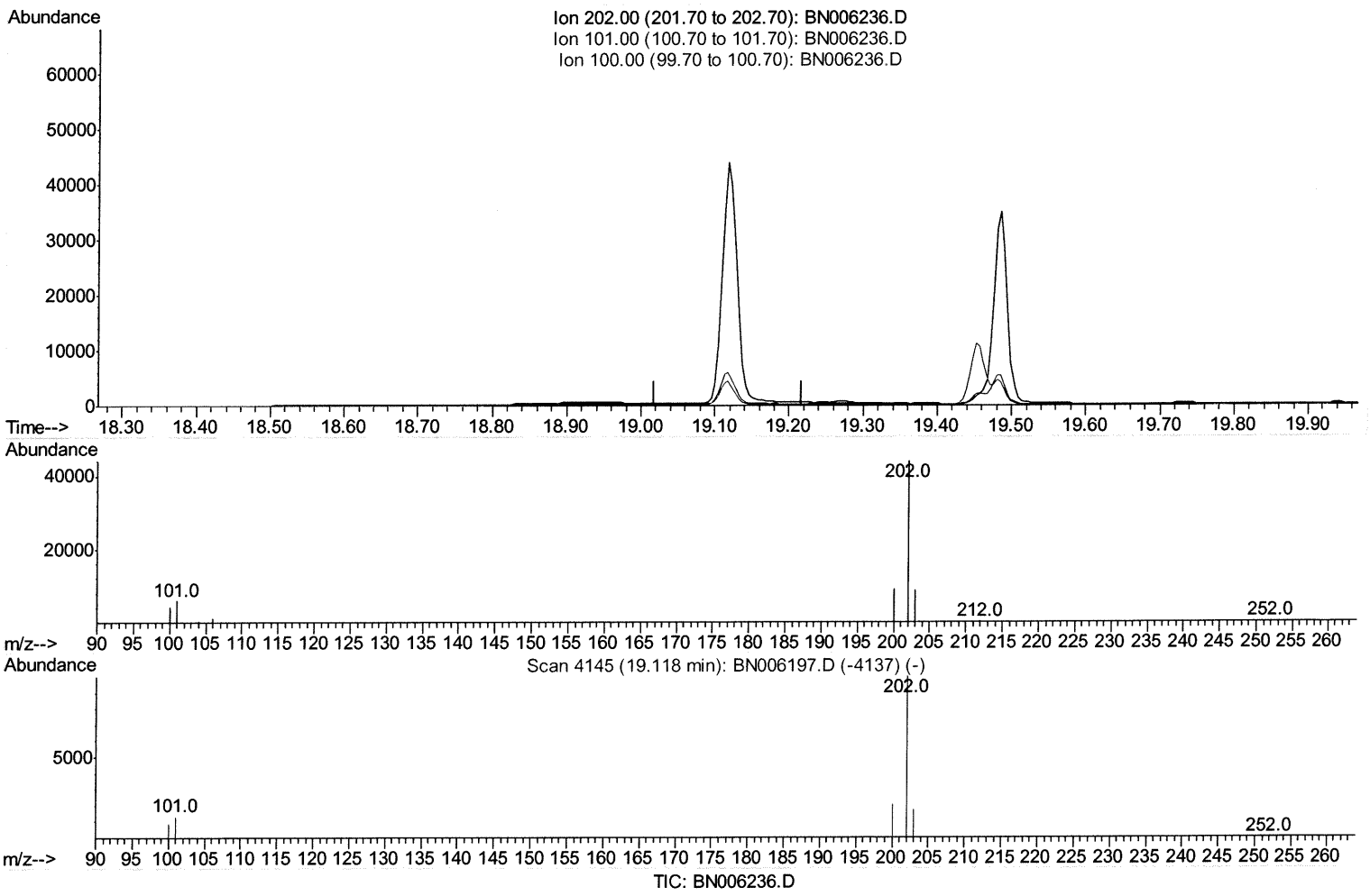
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 02:24:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM



TIC: BN006236.D

(15) Fluoranthene (C)

19.118min (-19.118) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	12.10	0.00
100.00	8.70	0.00
0.00	0.00	0.00

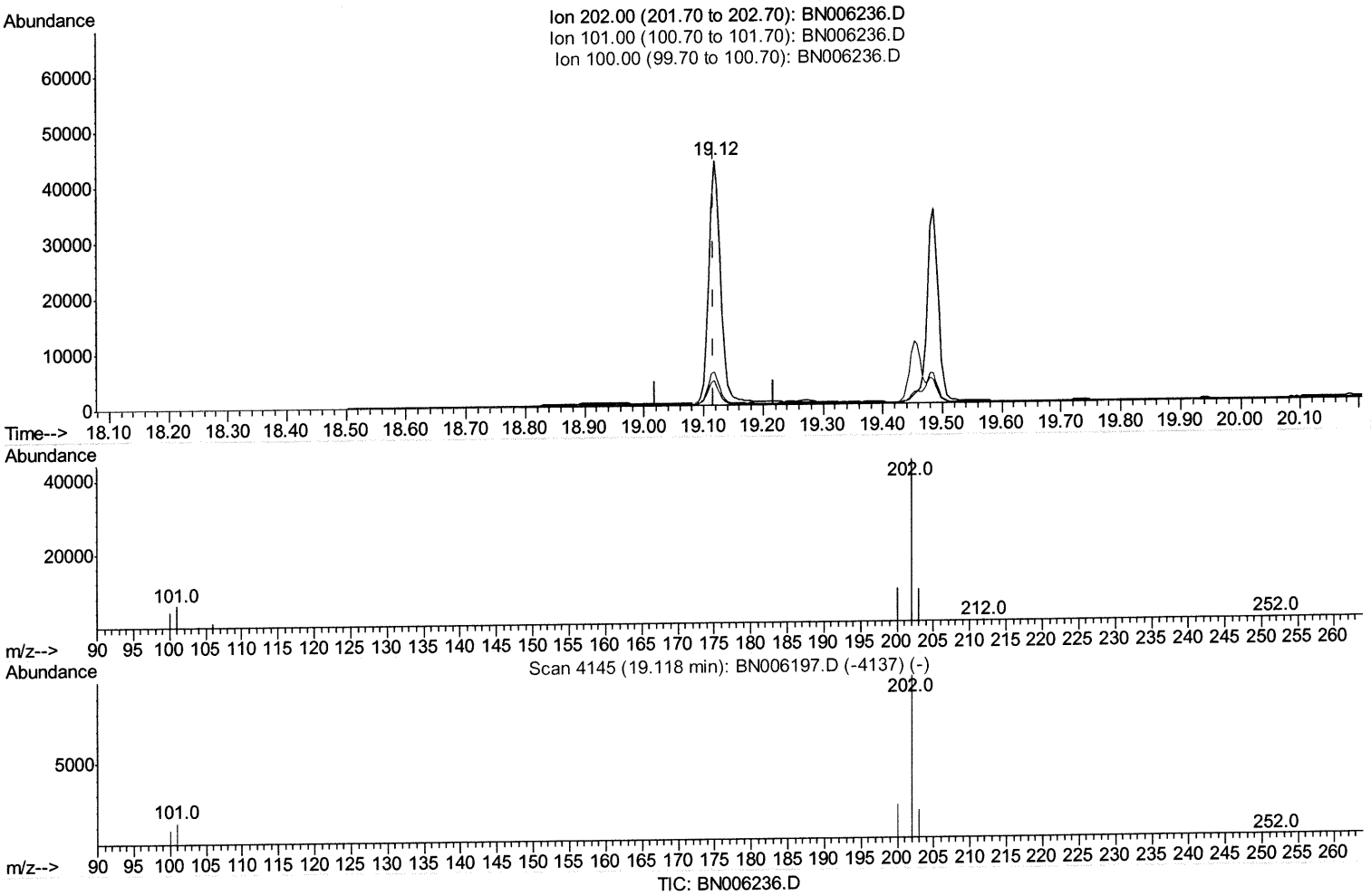
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 02:24:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM



TIC: BN006236.D

(15) Fluoranthene (C)

19.118min (-0.000) 1.00ng/ul m JV 06/11/19

response 60137

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.58
100.00	8.70	9.99
0.00	0.00	0.00

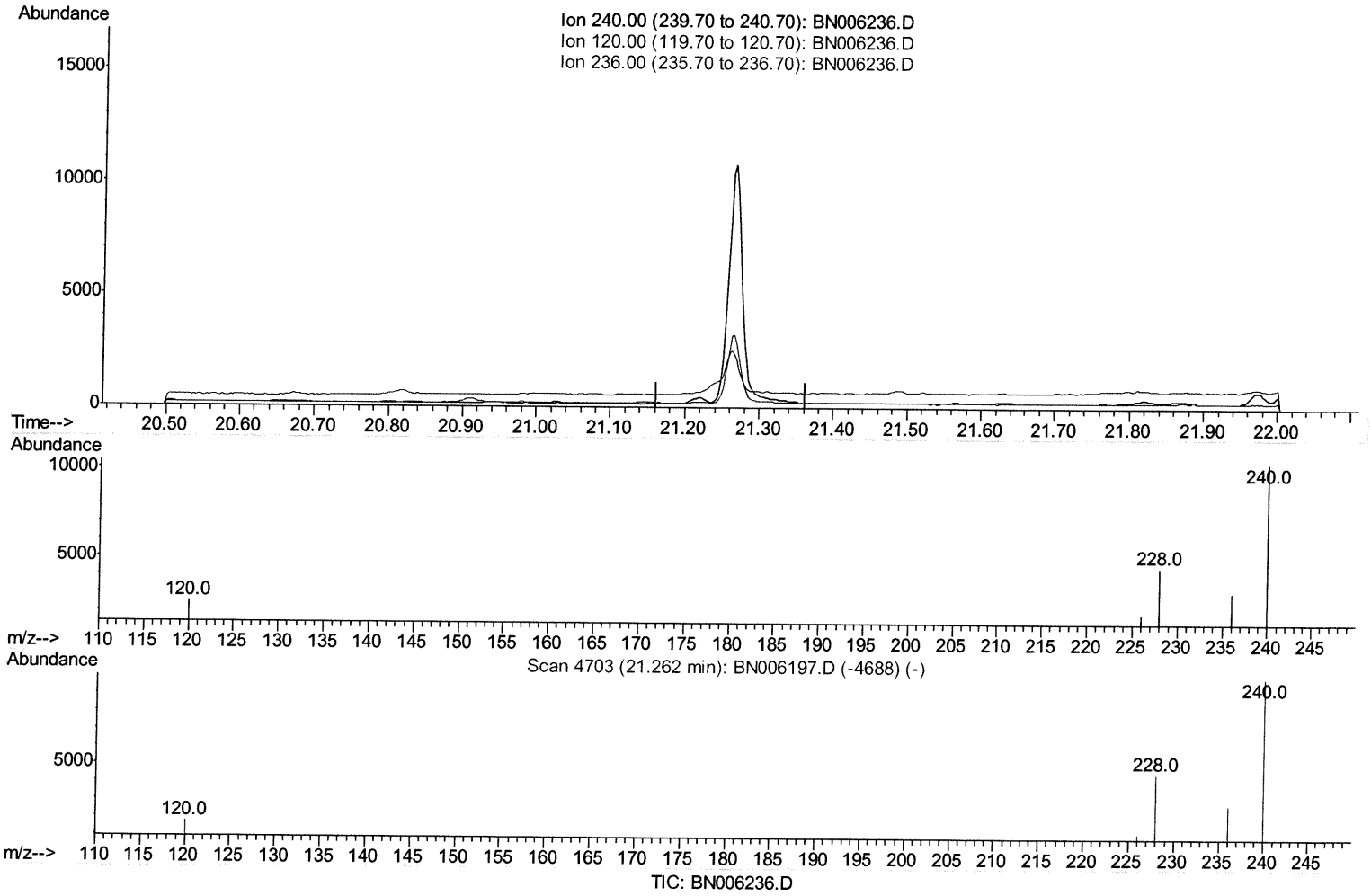
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 02:24:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM



(16) Chrysene-d12 (I)

21.262min (-21.262) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	20.10	0.00#
236.00	30.10	0.00#
0.00	0.00	0.00

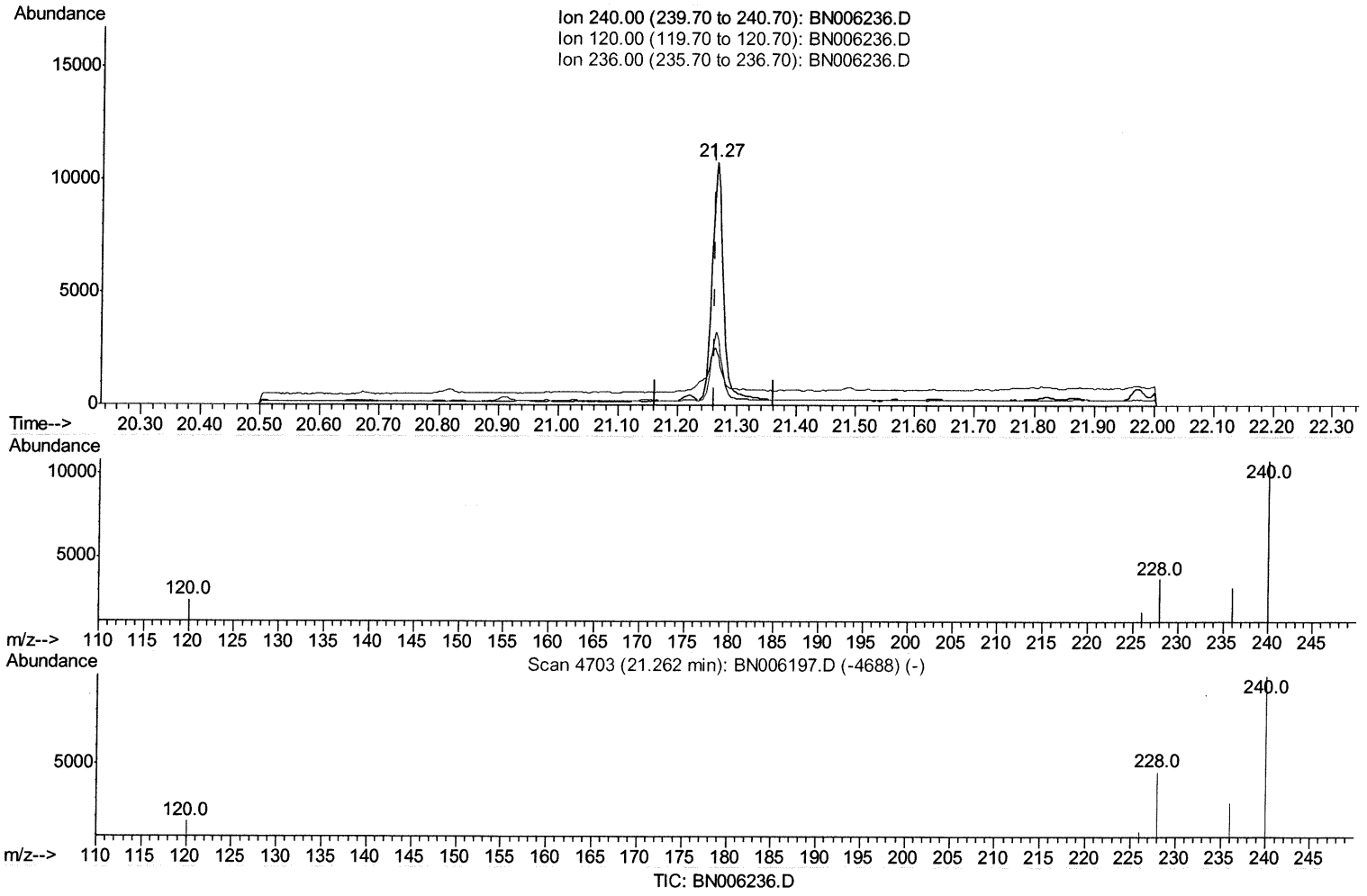
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 02:24:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM



(16) Chrysene-d12 (I)

21.265min (+0.003) 0.40ng/ul m JU 06/11/19

response 13434

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	22.41
236.00	30.10	29.82
0.00	0.00	0.00

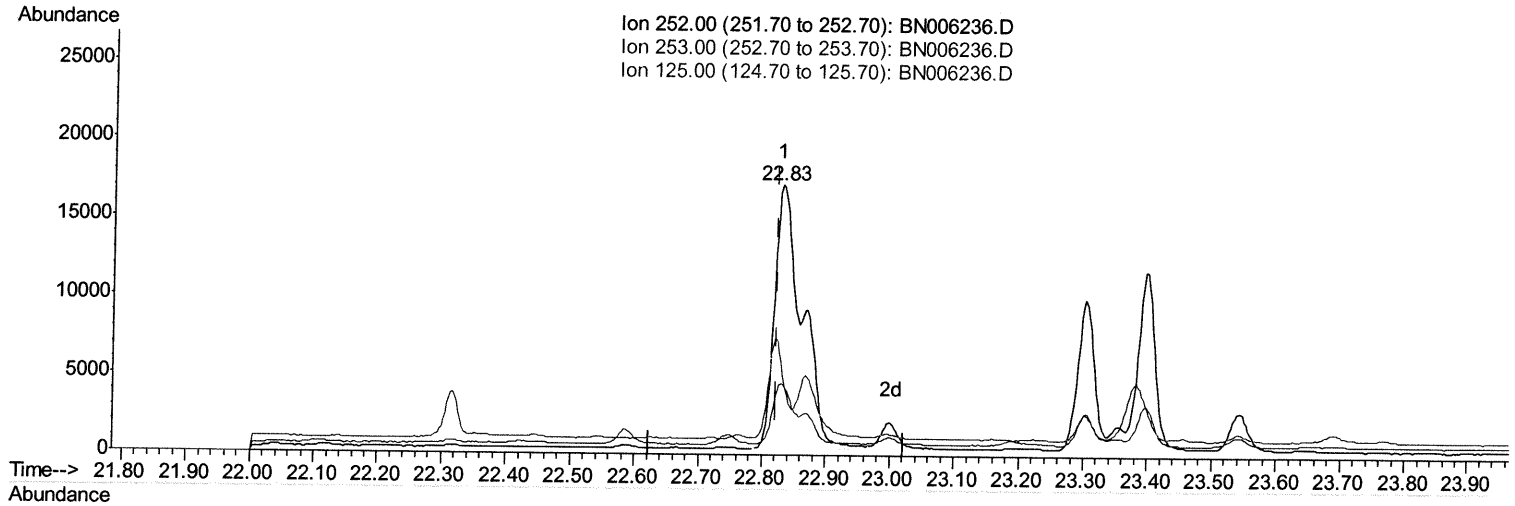
Quantitation Report (Qedit)

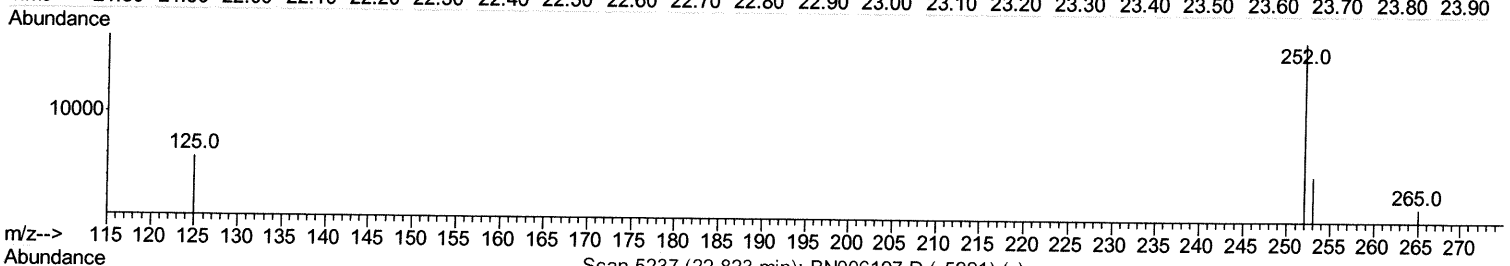
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 02:26:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

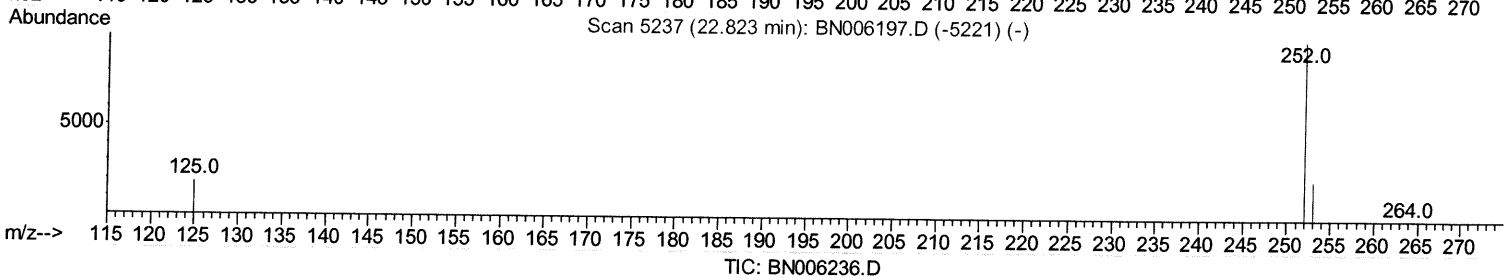
Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM





Scan 5237 (22.823 min): BN006197.D (-5221) (-)



TIC: BN006236.D

(21) Benzo(b)fluoranthene

22.829min (+0.006) 0.60ng/ul

response 50947

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	26.52
125.00	20.50	33.83
0.00	0.00	0.00

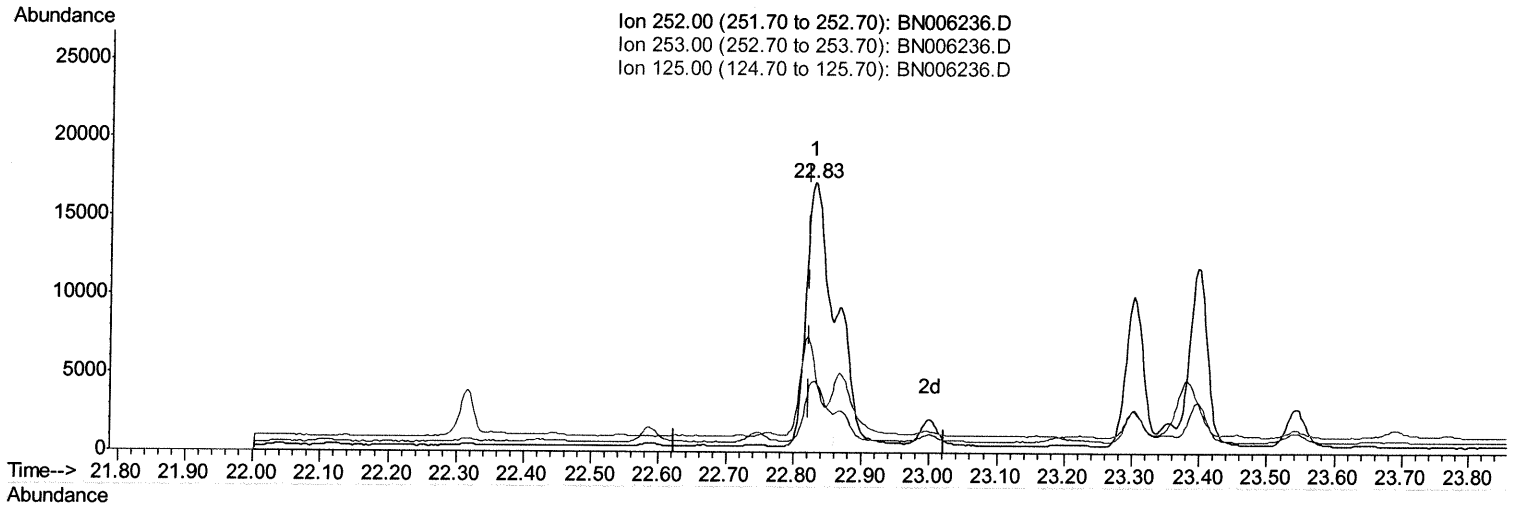
Quantitation Report (Qedit)

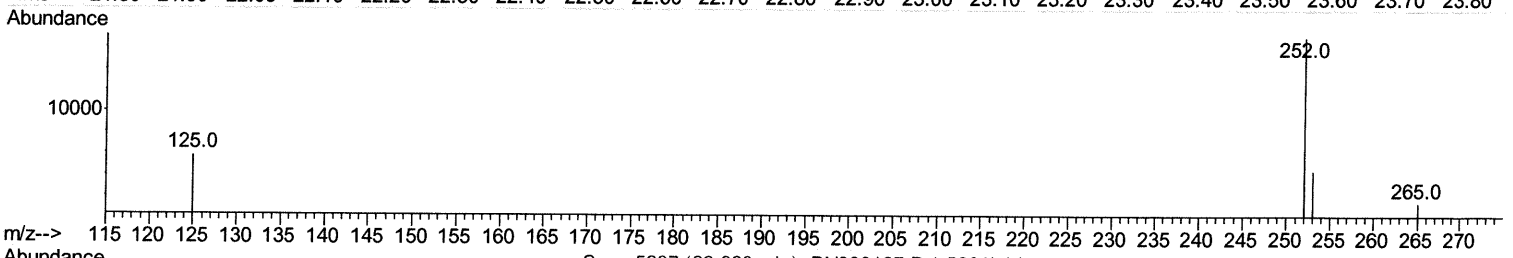
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

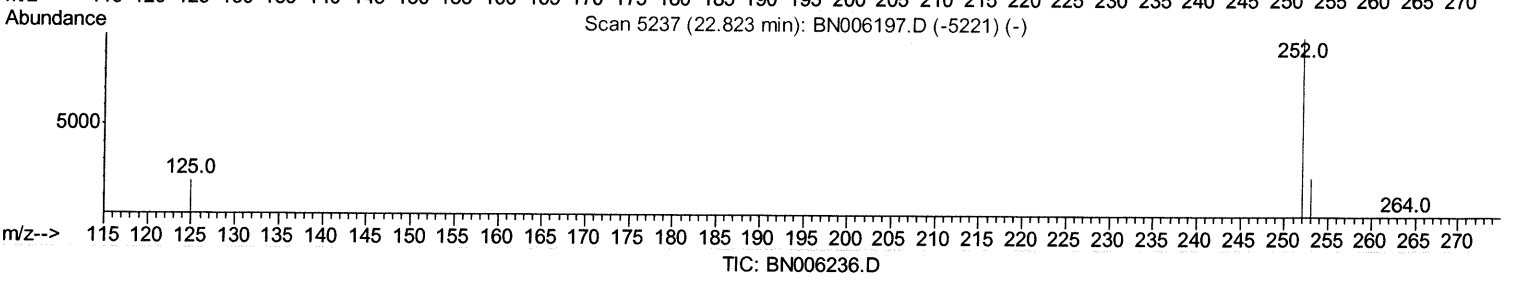
Quant Time: Jun 11 02:26:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM







TIC: BN006236.D

(21) Benzo(b)fluoranthene

22.829min (+0.006) 0.43ng/ul m JV 06/11/19

response 36053

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	26.52
125.00	20.50	33.83
0.00	0.00	0.00

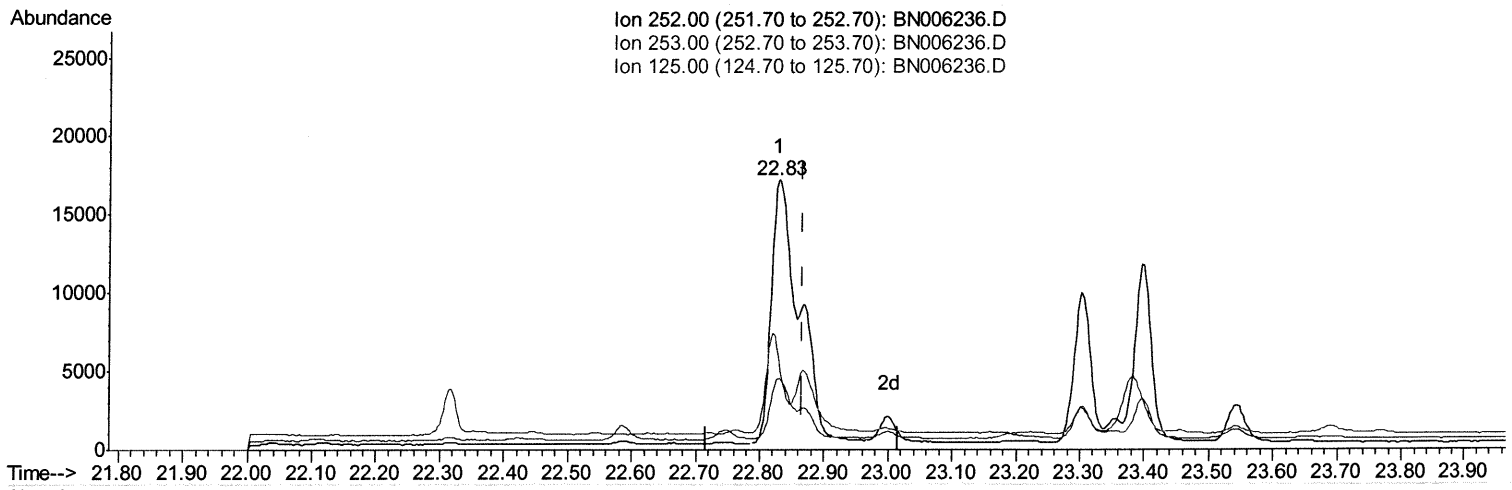
Quantitation Report (Qedit)

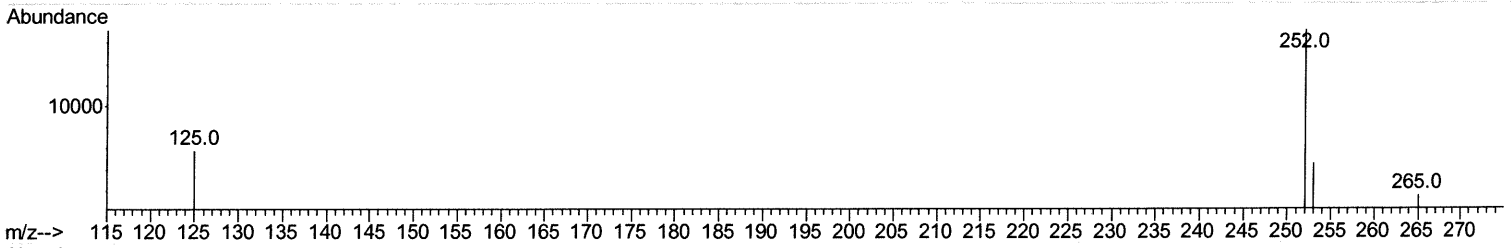
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

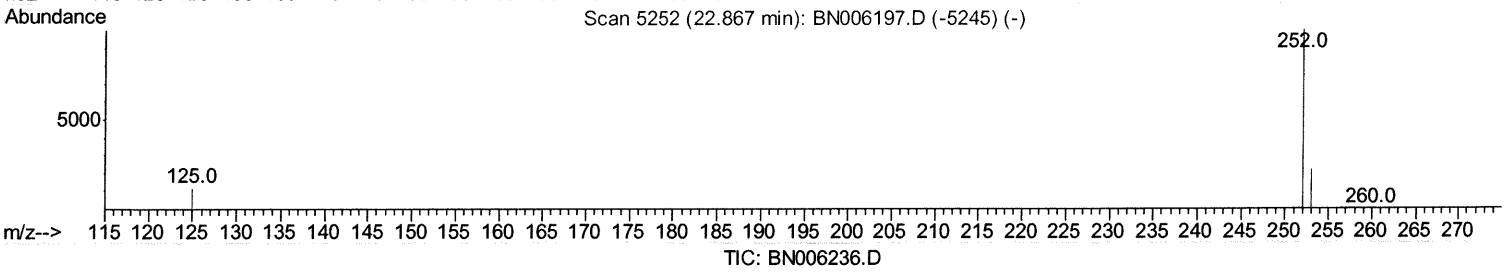
Quant Time: Jun 11 02:26:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM







TIC: BN006236.D

(22) Benzo(k)fluoranthene

22.829min (-0.038) 0.62ng/ul

response 50947

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	26.52
125.00	17.90	33.83#
0.00	0.00	0.00

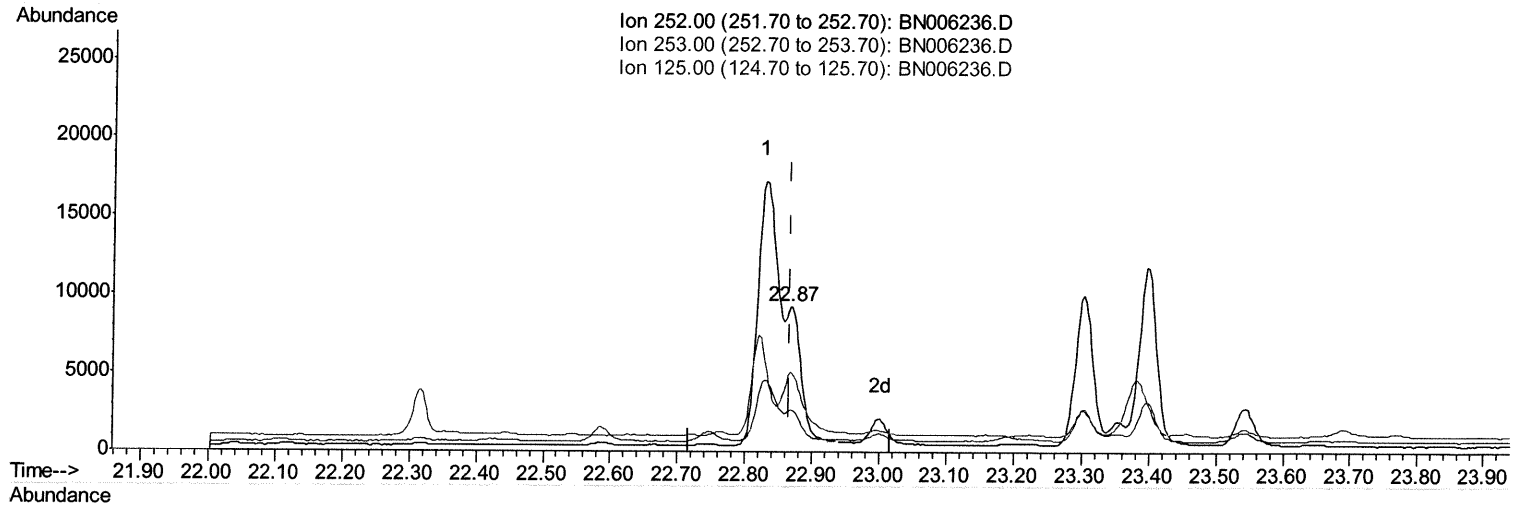
Quantitation Report (Qedit)

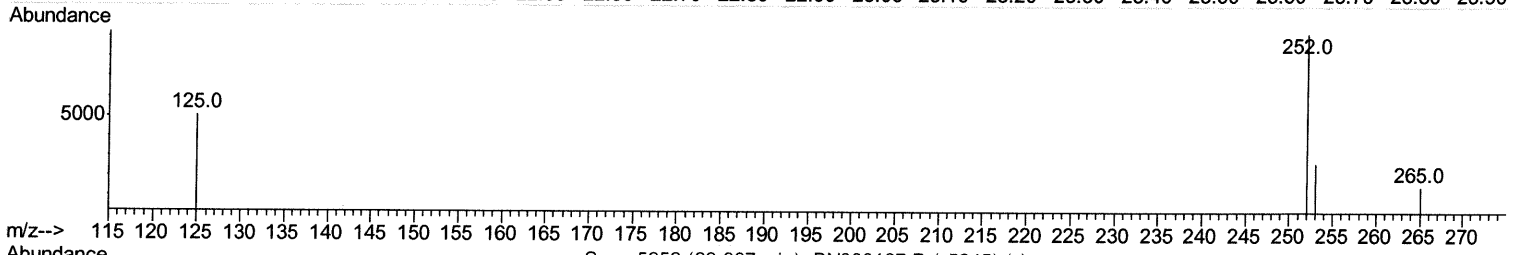
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

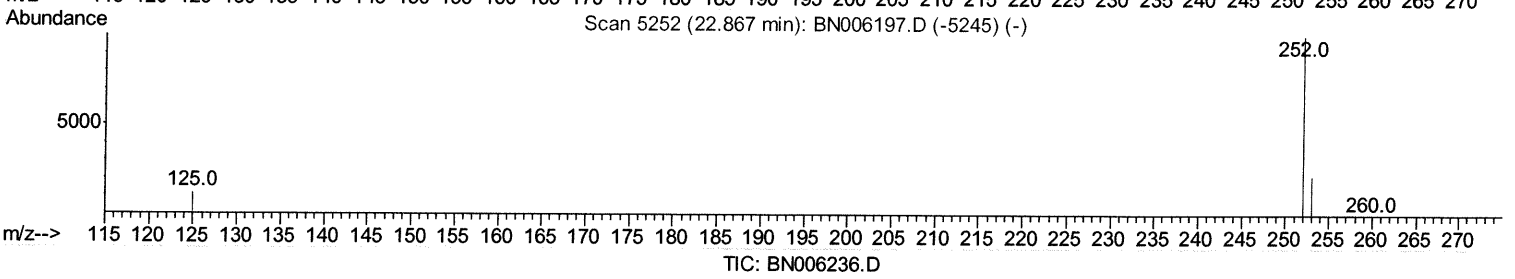
Quant Time: Jun 11 02:26:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM







TIC: BN006236.D

(22) Benzo(k)fluoranthene

22.867min (-0.000) 0.16ng/ul m JU 06/11/19

response 13392

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	28.75
125.00	17.90	54.70#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006236.D
Acq On : 10 Jun 2019 22:54
Operator : JU/SJ
Sample : K3017-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 11 02:27:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : A51H8

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:05 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	4545	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	16762	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	8344	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	17015m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	13434m>	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	20316	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	4333	0.17	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	10118m>	0.22	ng/ul	0.00
Target Compounds						Qvalue
12) Phenanthrene	17.09	178	17899	0.328	ng/ul	99
13) Anthracene	17.18	178	1893m>	0.036	ng/ul	
15) Fluoranthene	19.12	202	60137m>	0.997	ng/ul	
17) Pyrene	19.49	202	46719	0.660	ng/ul	100
18) Benzo(a)anthracene	21.25	228	16205	0.273	ng/ul	97
19) Chrysene	21.30	228	26795	0.480	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	36053m>	0.426	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	13392m>	0.162	ng/ul	
23) Benzo(a)pyrene	23.40	252	20718	0.263	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.73	276	17810	0.209	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.73	278	3901	0.057	ng/ul#	50
26) Benzo(g,h,i)perylene	26.41	276	16505	0.231	ng/ul	98

JU 06/11/19

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