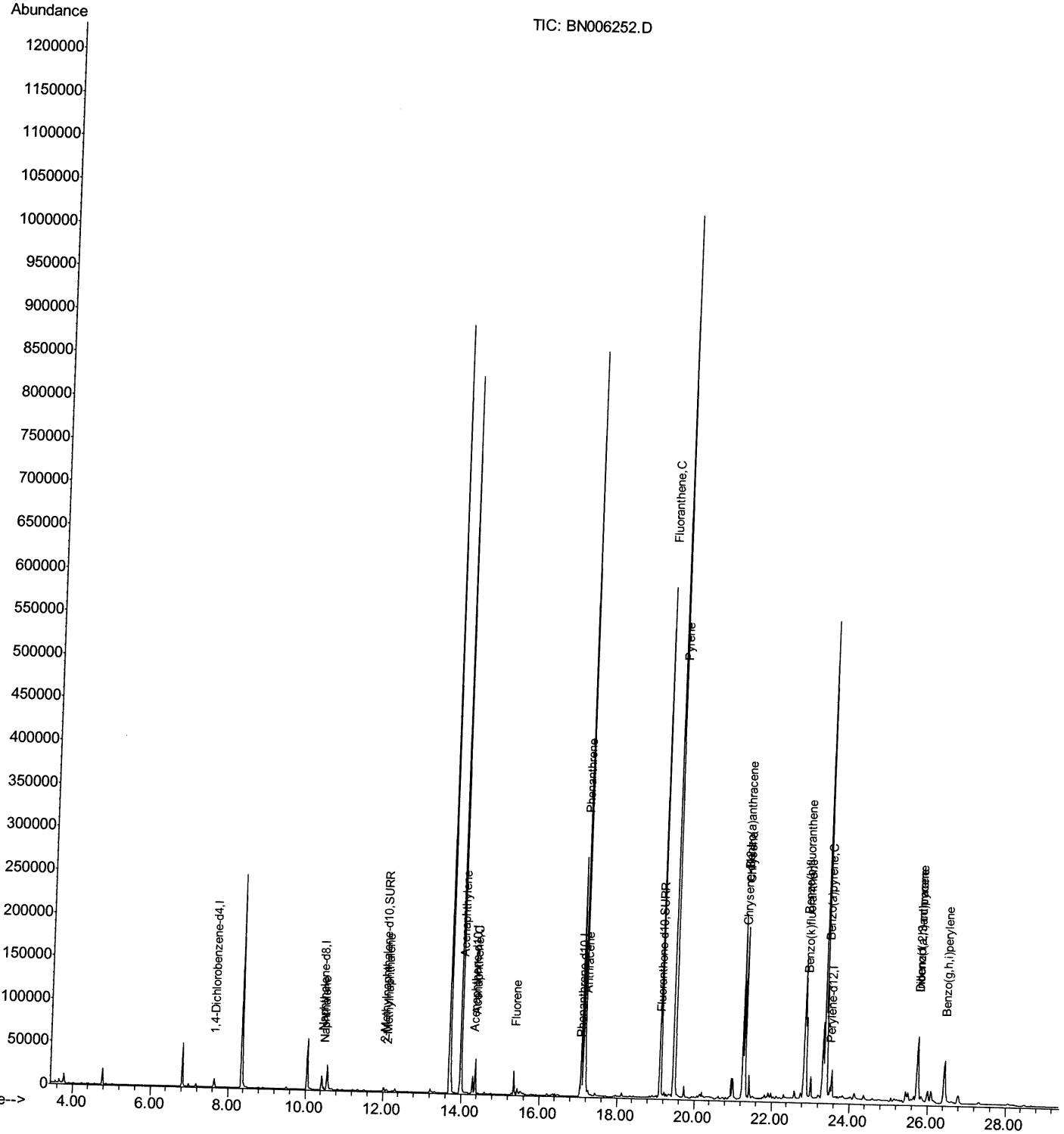
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:10:53 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



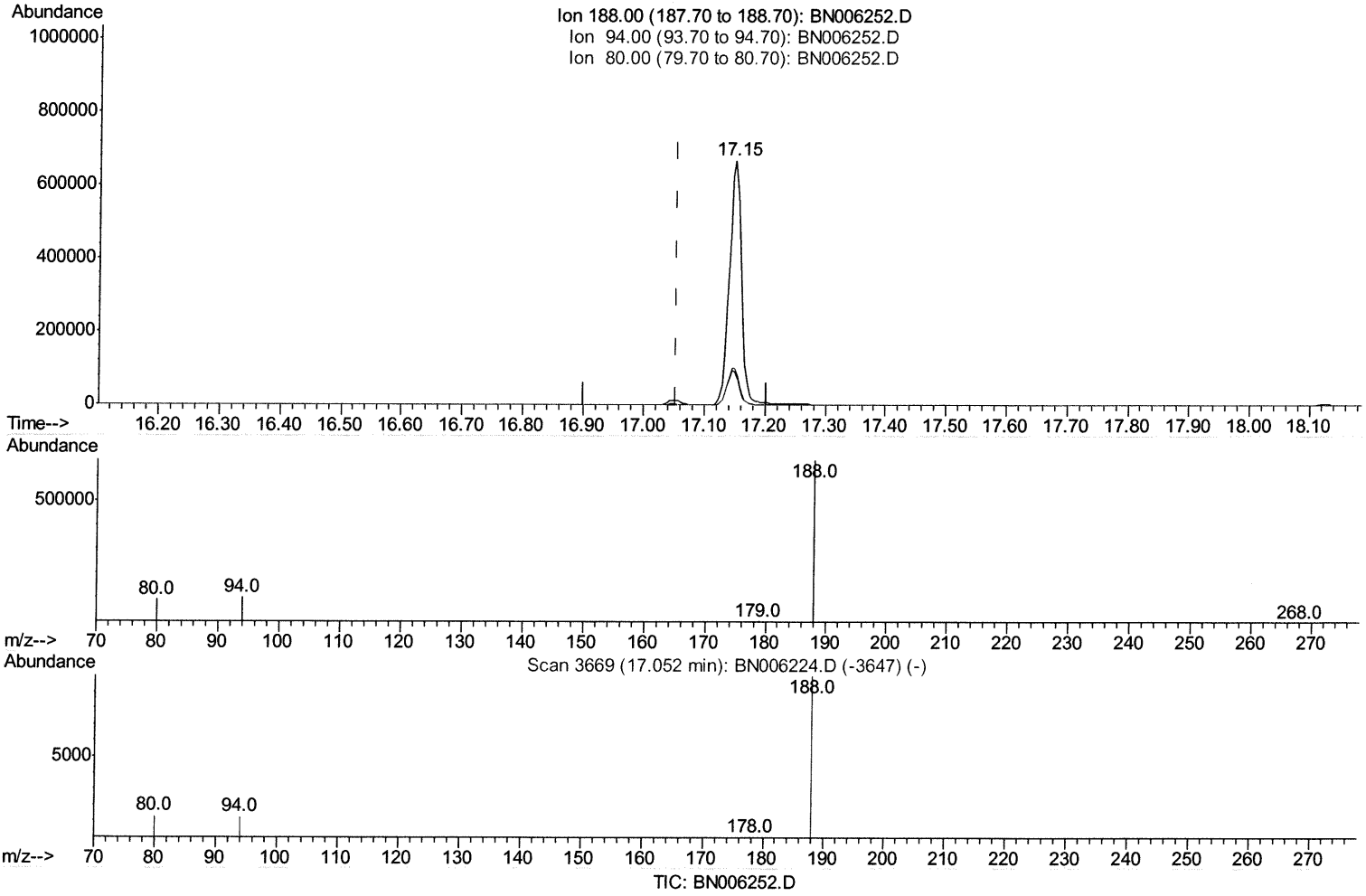
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 01:12:11 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 926889

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.05
80.00	13.60	13.55
0.00	0.00	0.00

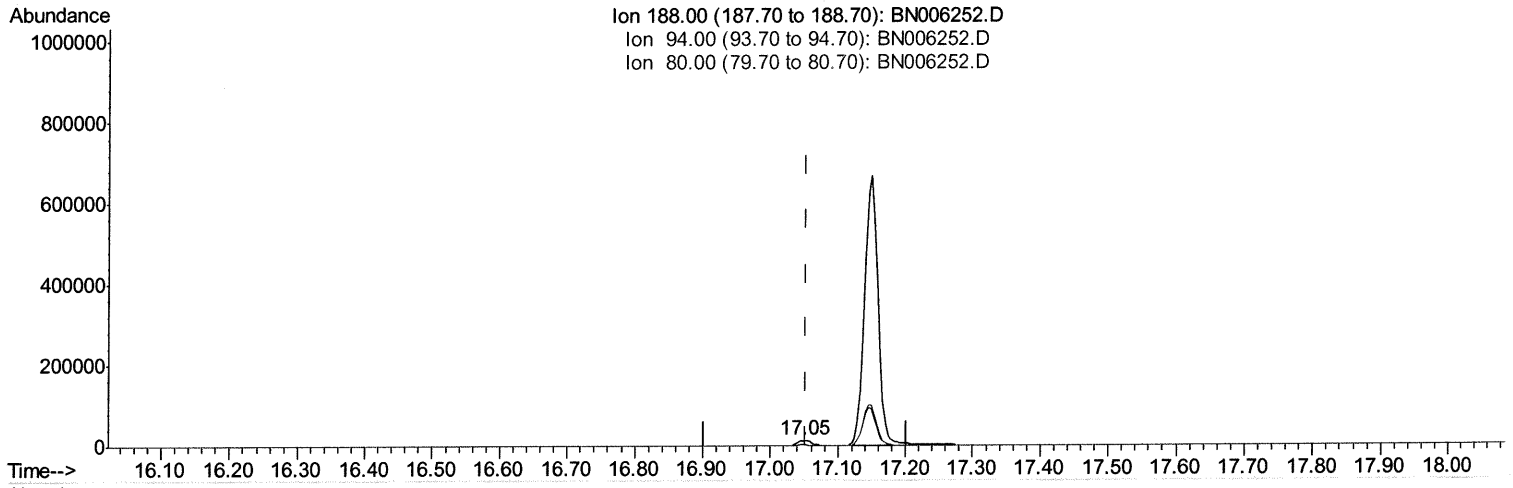
Quantitation Report (Qedit)

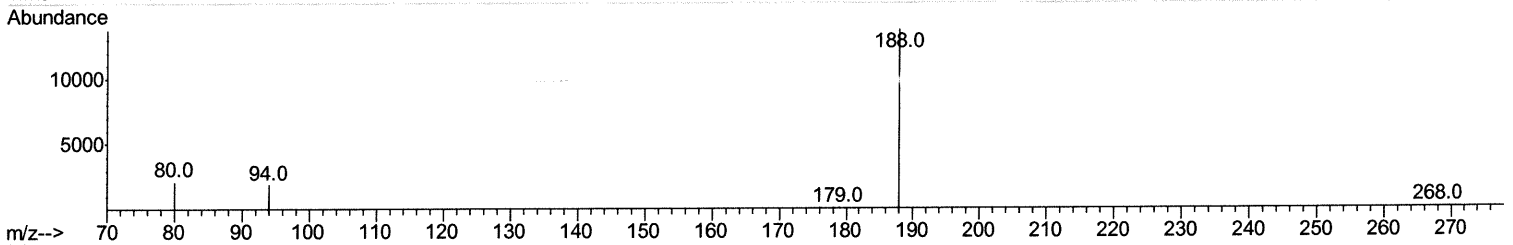
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

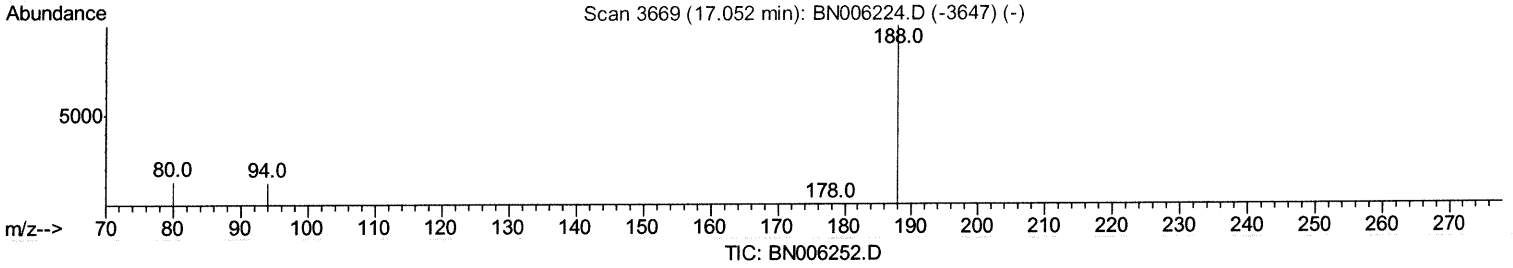
Quant Time: Jun 12 01:12:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM







TIC: BN006252.D

(10) Phenanthrene-d10 (I) JU

17.048min (-0.004) 0.40ng/ul m 06/12/19

response 20005

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.95
80.00	13.60	15.58
0.00	0.00	0.00

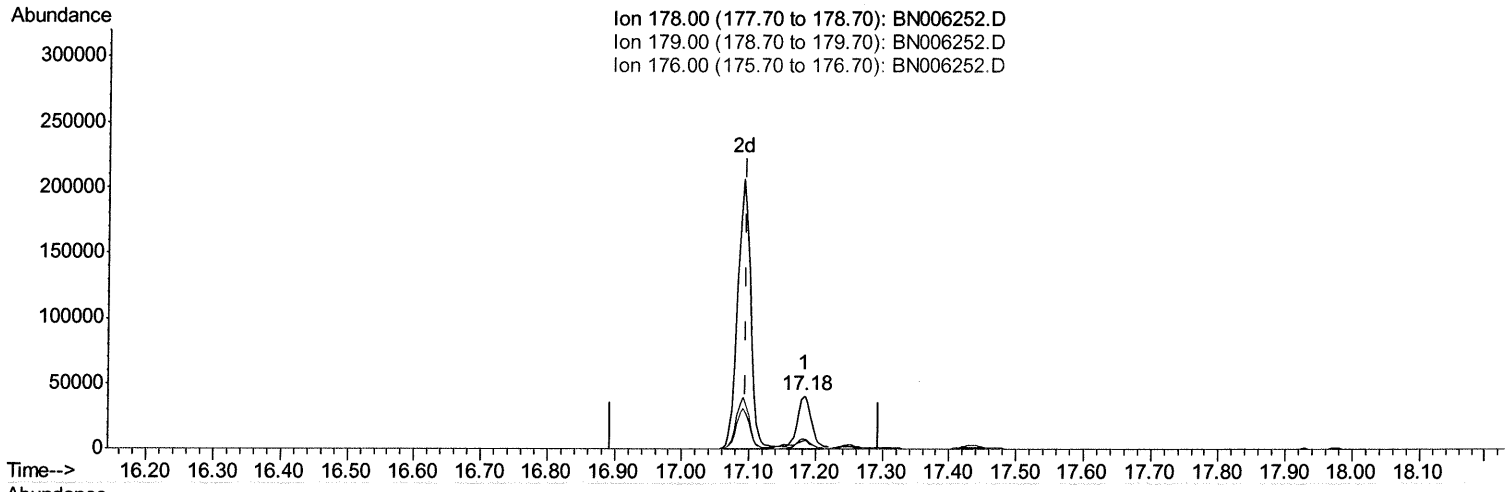
Quantitation Report (Qedit)

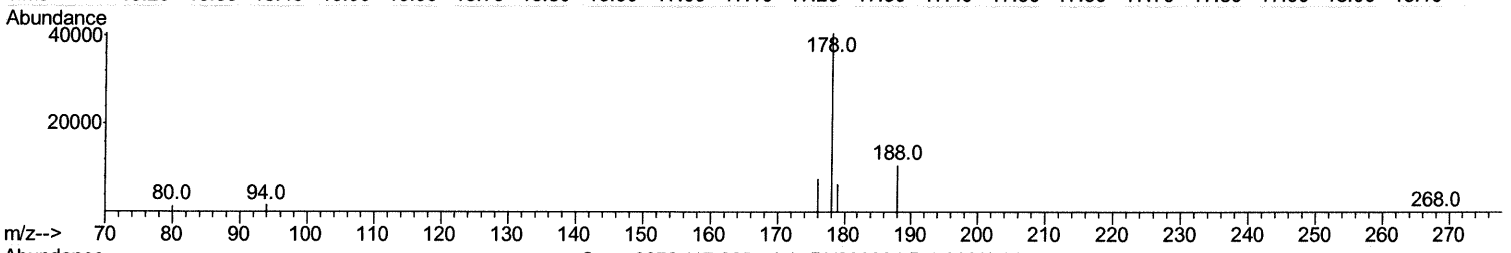
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

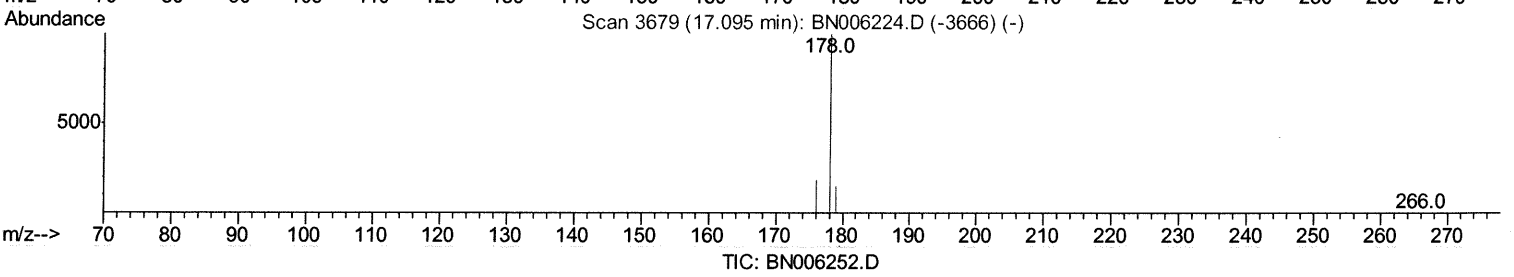
Quant Time: Jun 12 02:06:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM







TIC: BN006252.D

(12) Phenanthrene

17.183min (+0.089) 0.88ng/ul

response 56467

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.04
176.00	19.10	18.75
0.00	0.00	0.00

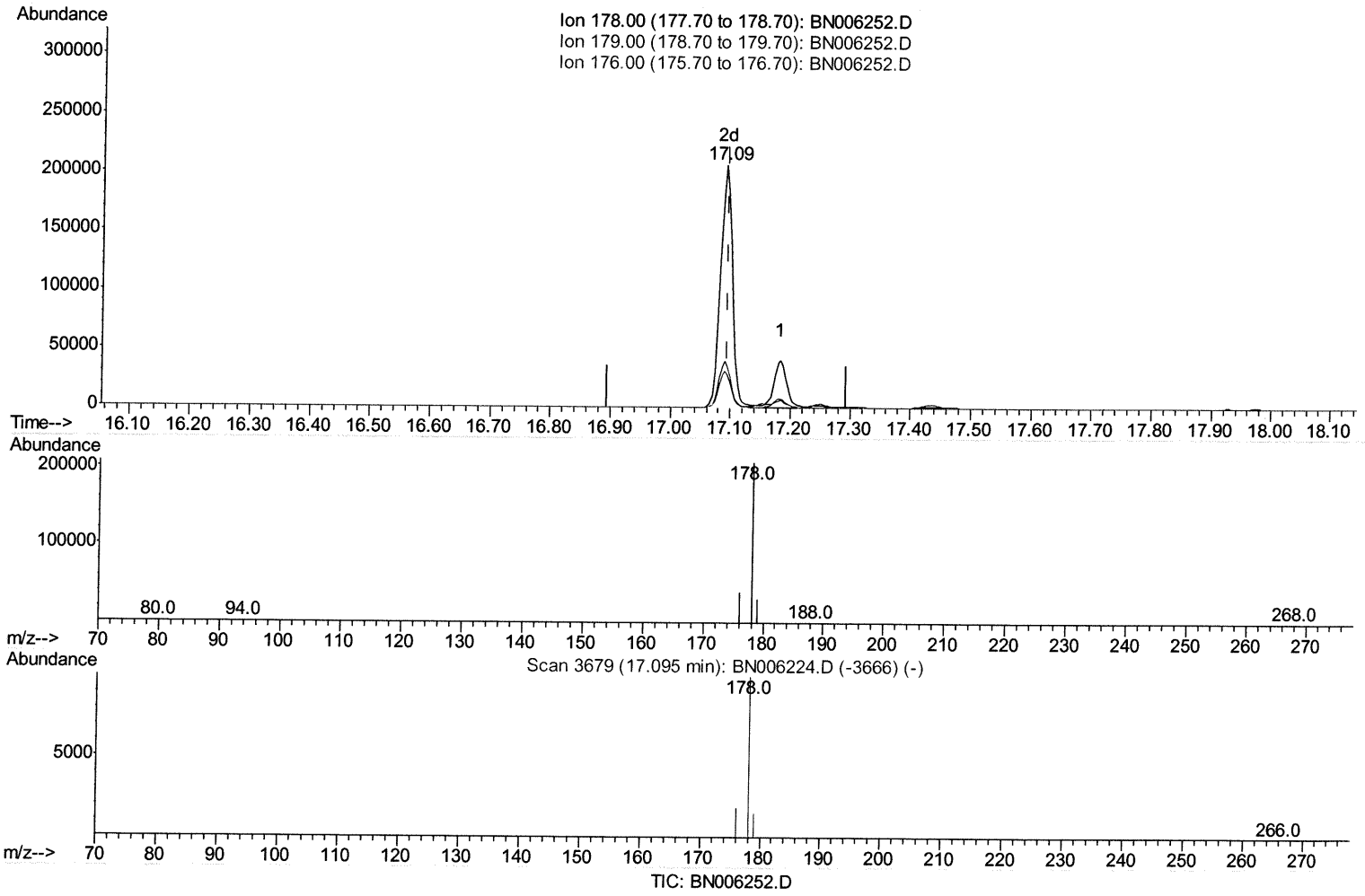
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:06:15 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(12) Phenanthrene

17.090min (-0.004) 4.40ng/ul m JU 06/12/19

response 282415

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.23
176.00	19.10	19.25
0.00	0.00	0.00

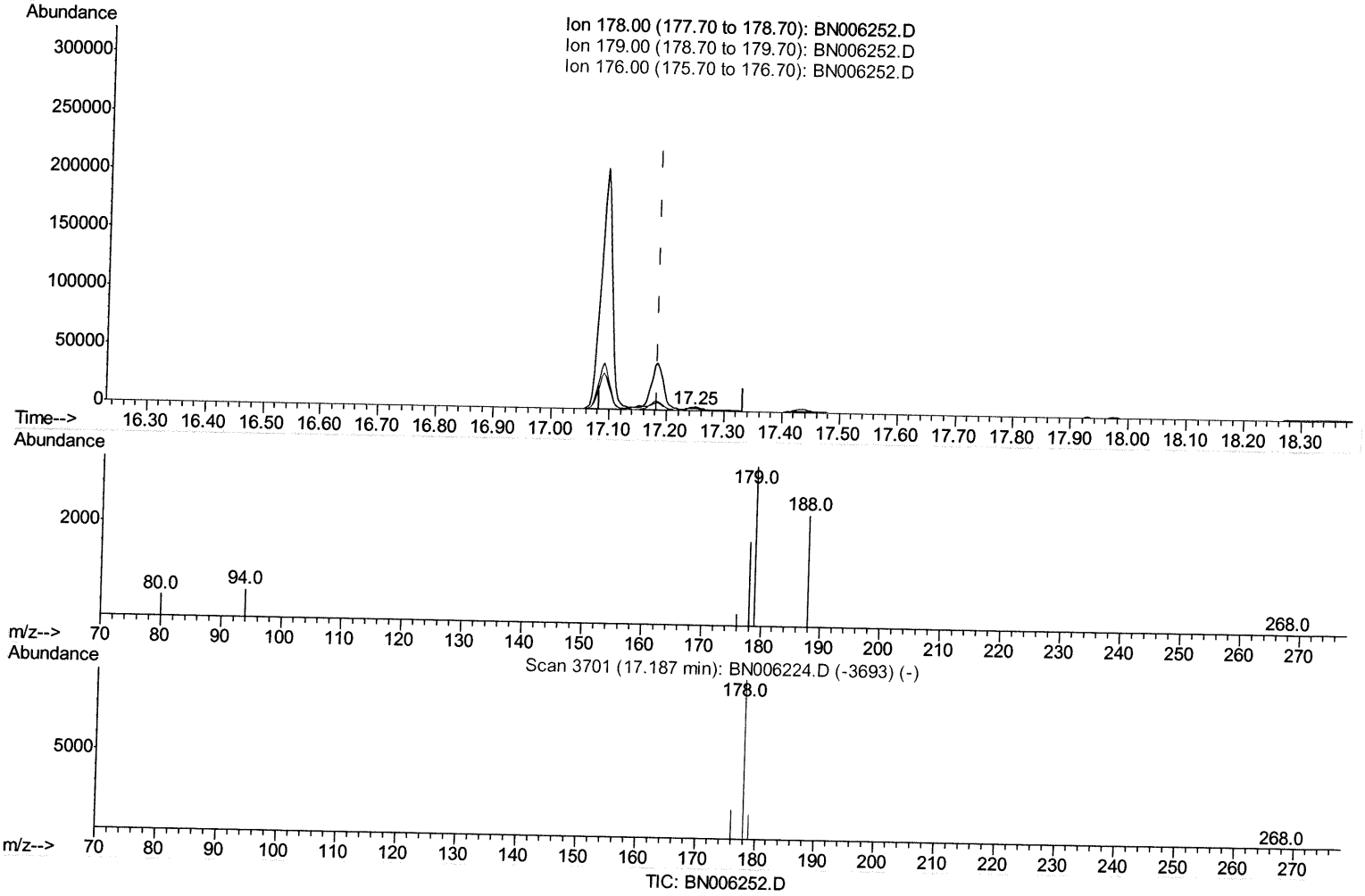
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:06:15 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(13) Anthracene

17.247min (+0.063) 0.06ng/ul

response 3781

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	185.86#
176.00	18.90	16.83
0.00	0.00	0.00

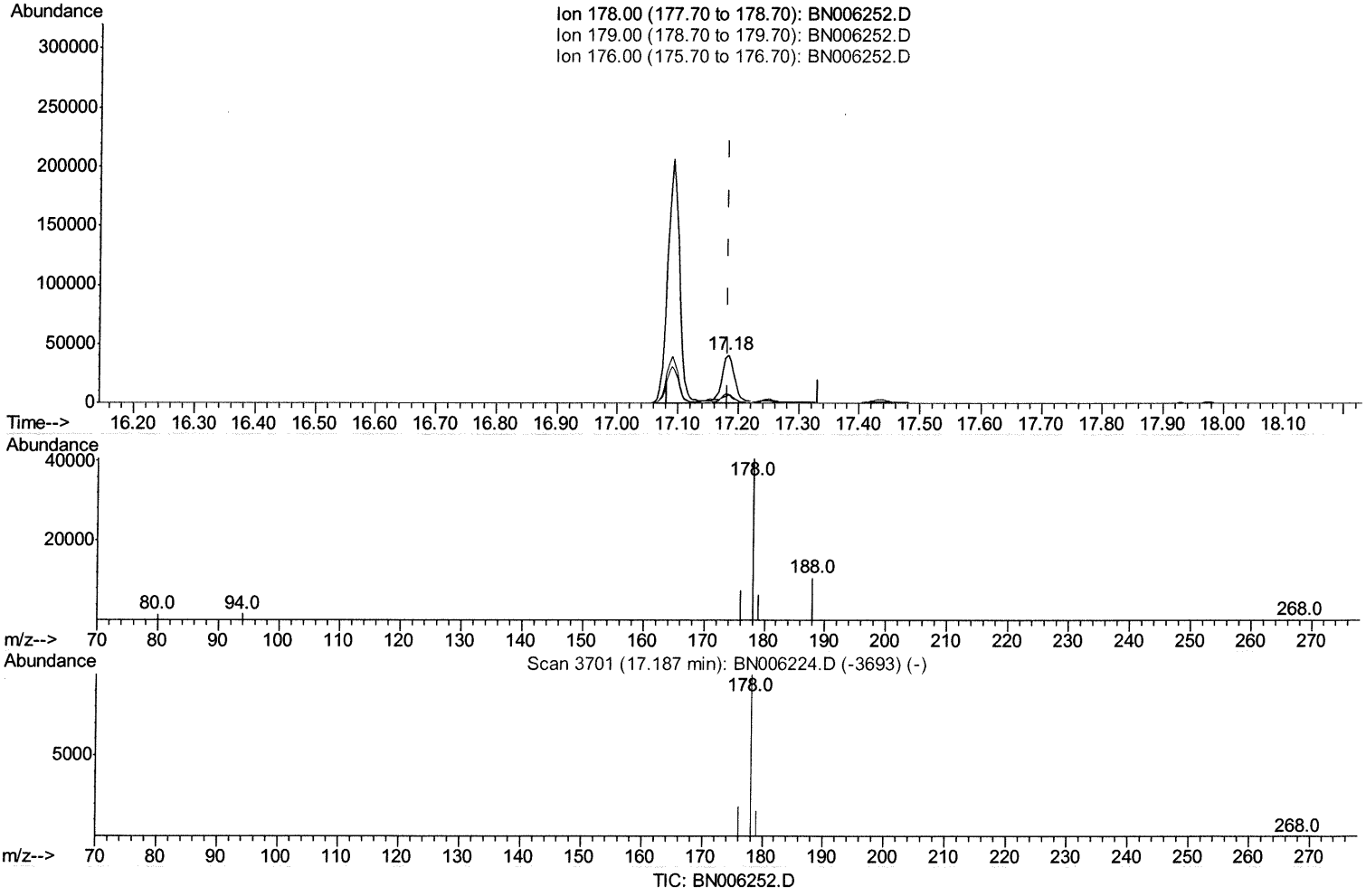
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:06:15 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(13) Anthracene

17.183min (+0.000) 0.92ng/ul m JU 06/12/19

response 56492

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	16.04
176.00	18.90	18.75
0.00	0.00	0.00

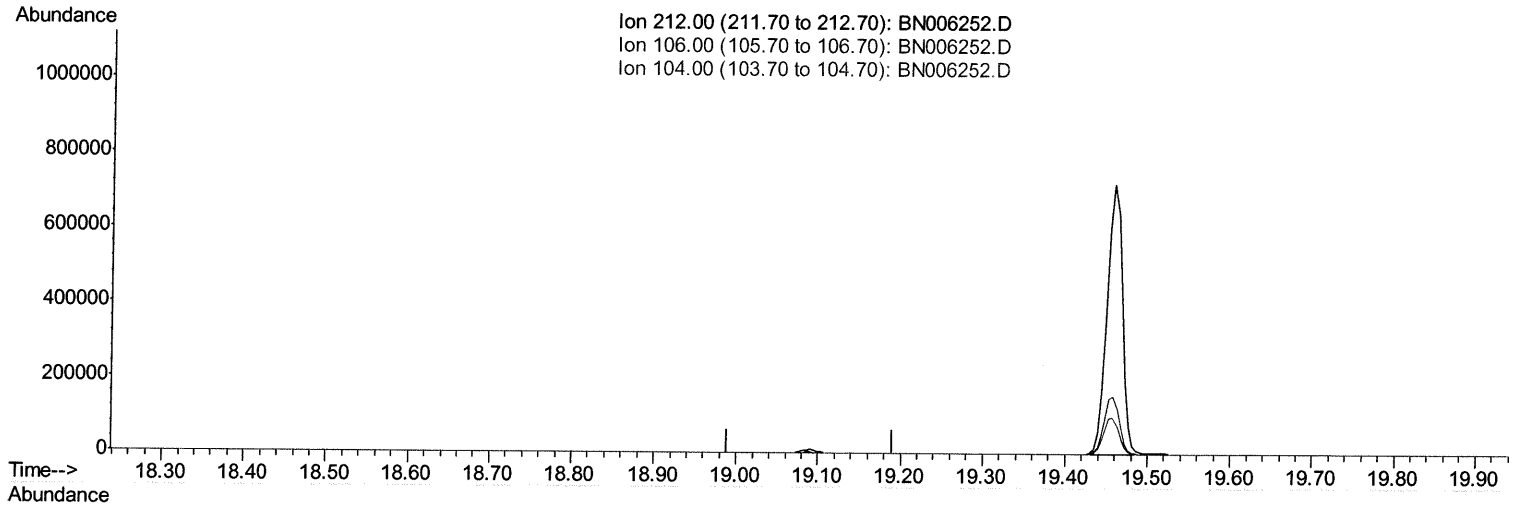
Quantitation Report (Qedit)

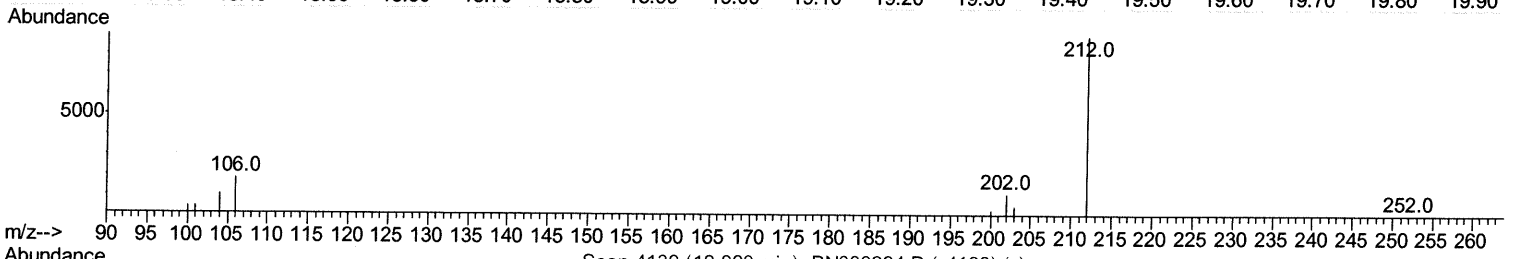
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:06:15 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

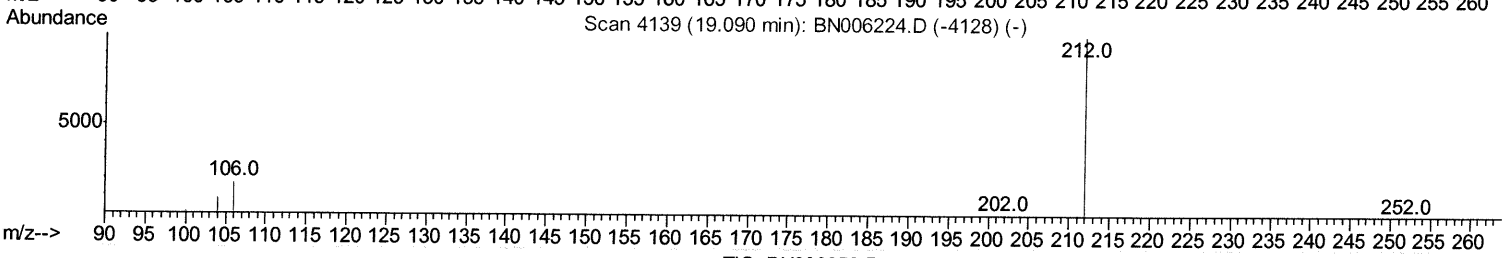
Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM





Scan 4139 (19.090 min): BN006224.D (-4128) (-)



TIC: BN006252.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

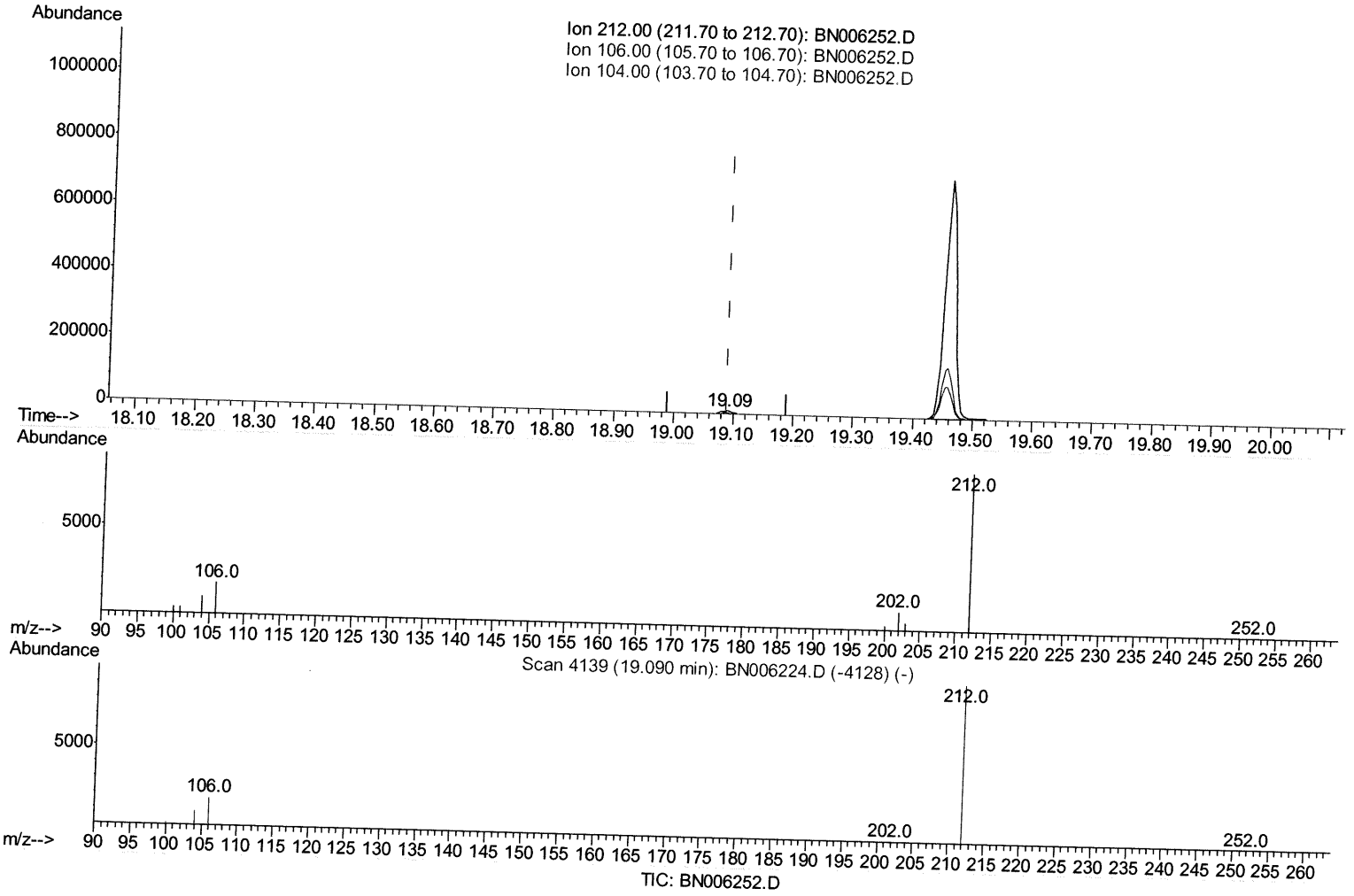
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:06:15 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



(14) Fluoranthene-d10 (SURR) JU

19.090min (+0.000) 0.21ng/ul m 06/12/19

response 11248

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

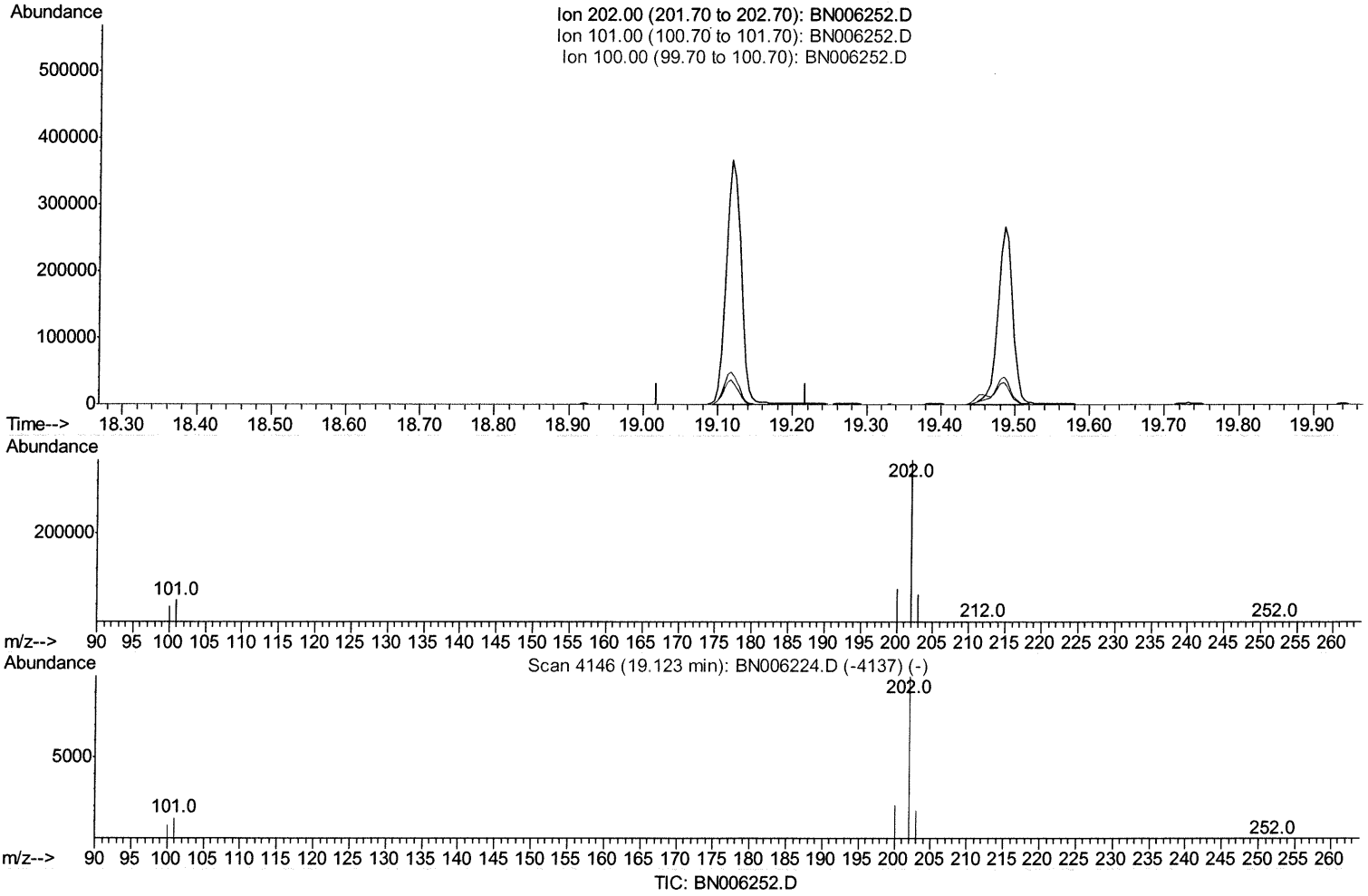
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:06:15 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



(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

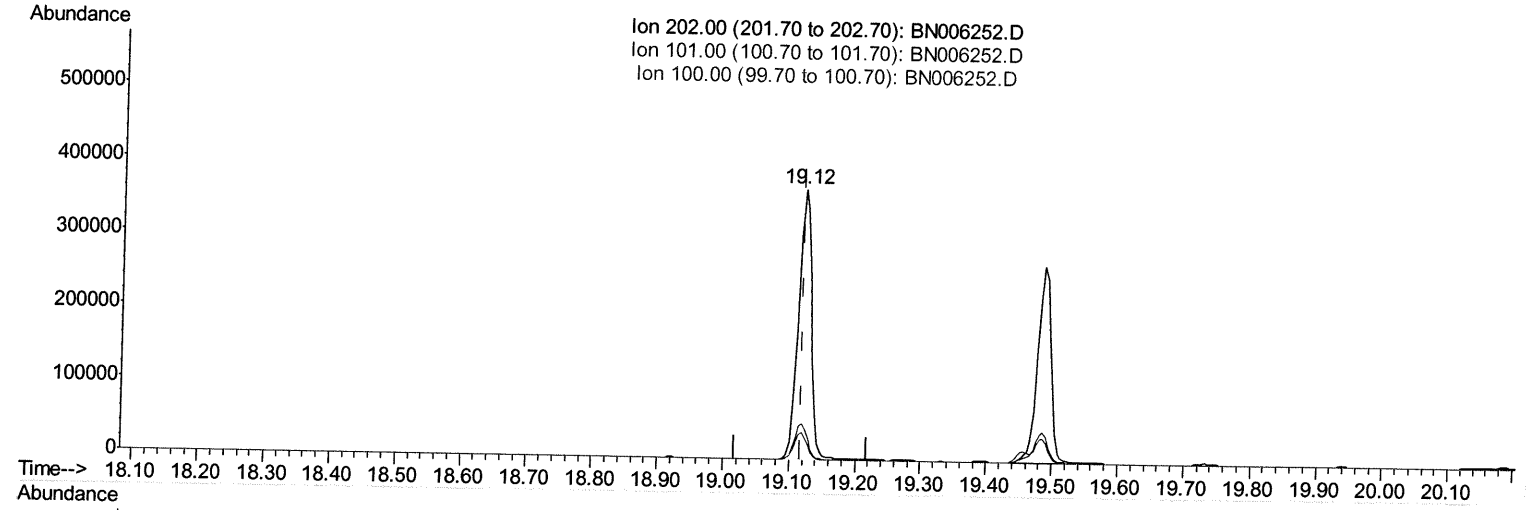
Quantitation Report (Qedit)

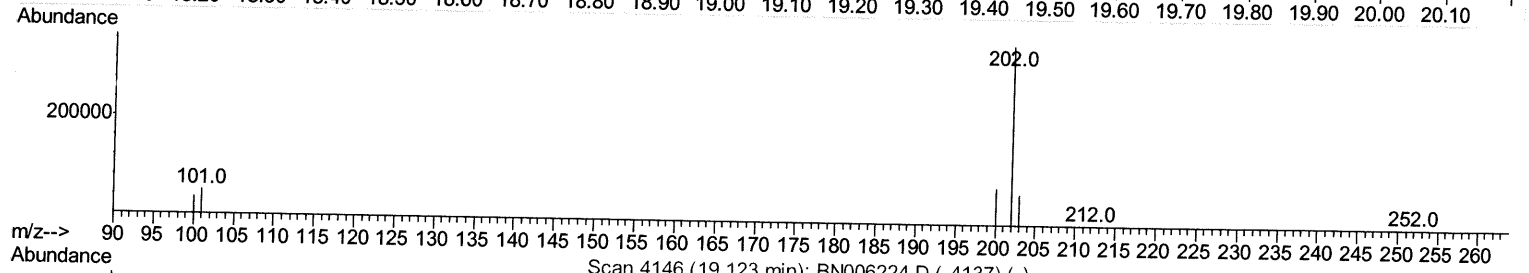
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

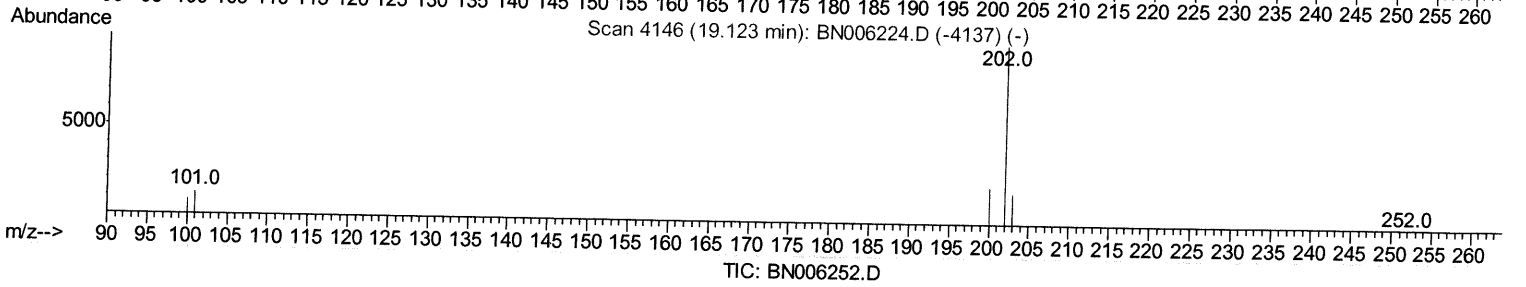
Quant Time: Jun 12 02:06:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM







TIC: BN006252.D

(15) Fluoranthene (C)

19.118min (+0.000) 7.08ng/ul m JU 06/12/19

response 502251

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.42
100.00	8.70	9.89
0.00	0.00	0.00

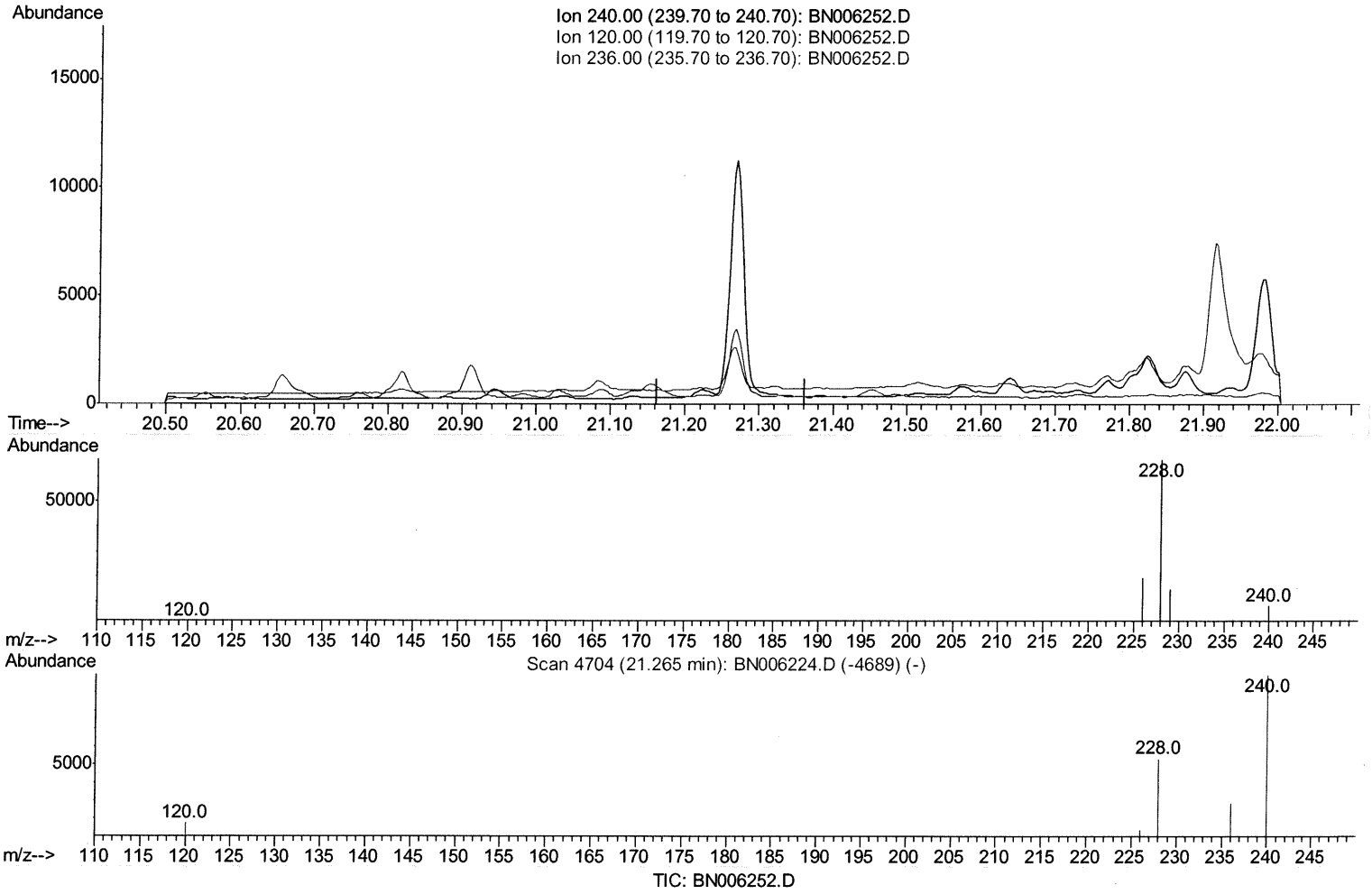
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:06:15 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



(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

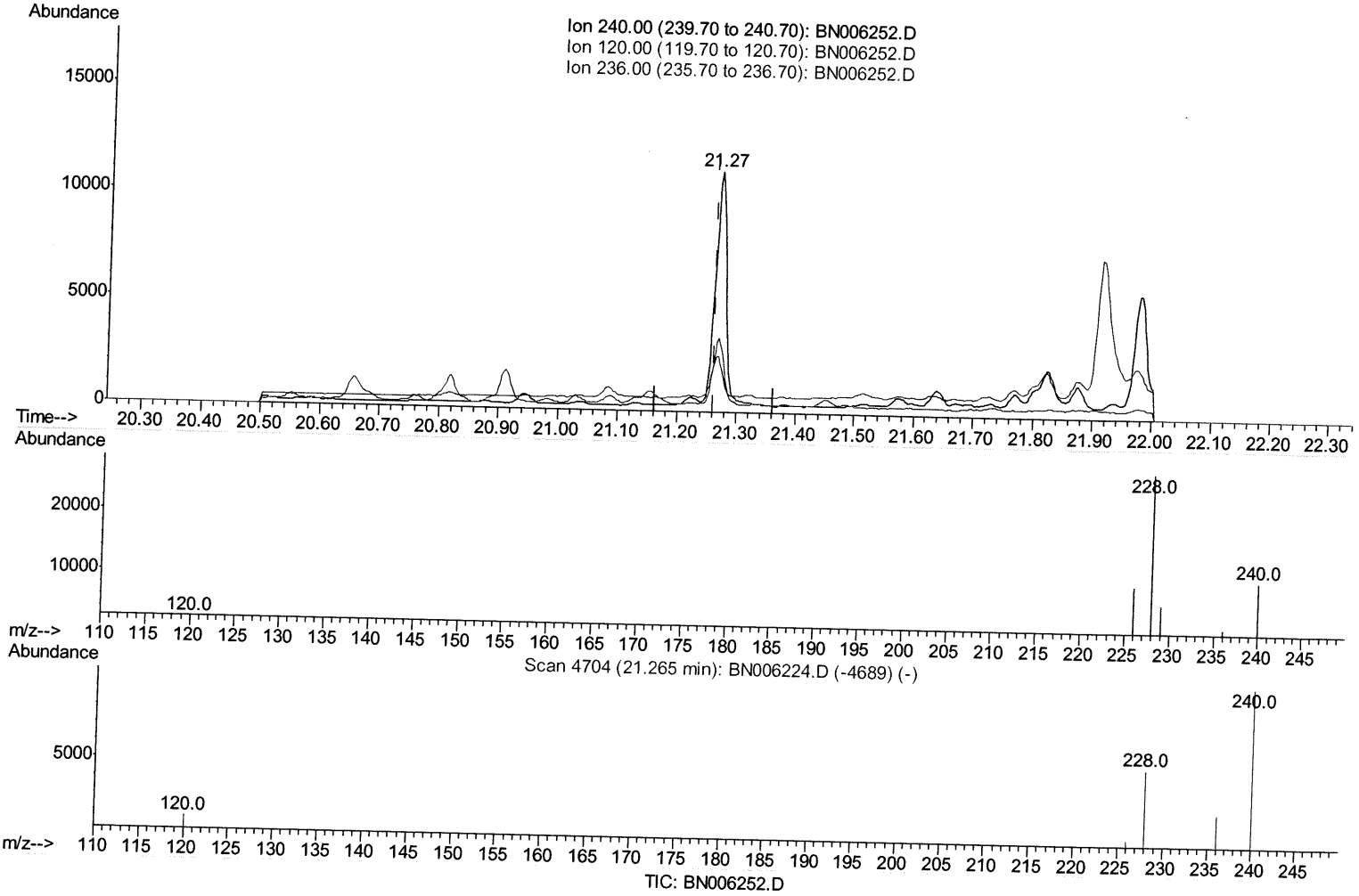
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:06:15 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(16) Chrysene-d12 (I)

21.268min (+0.006) 0.40ng/ul m JU 06/12/19

response 14001

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	23.10
236.00	30.10	30.80
0.00	0.00	0.00

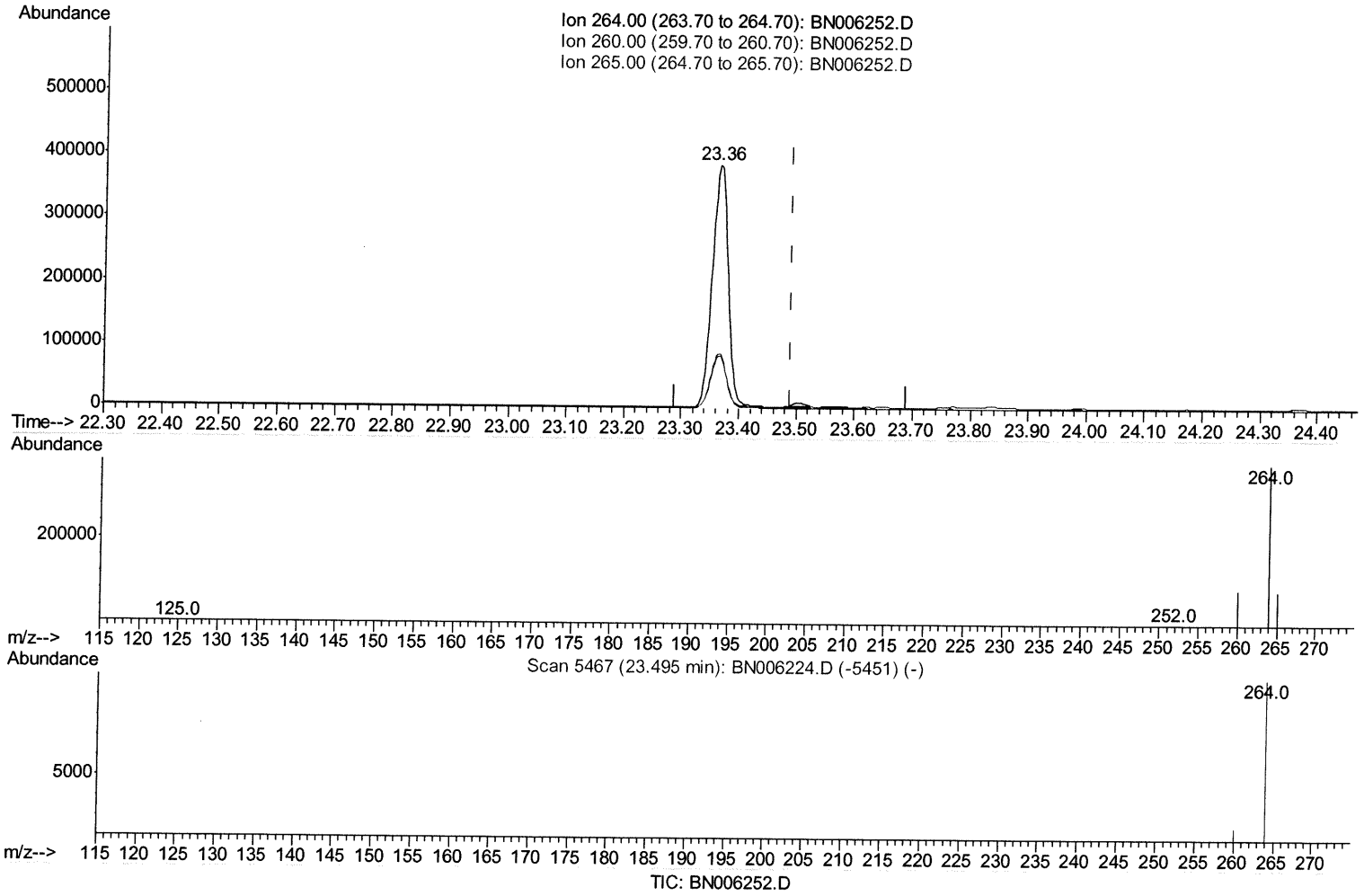
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:09 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



(20) Perylene-d12 (I)

23.364min (-0.126) 0.40ng/ul

response 747821

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	22.28#
265.00	44.70	21.41#
0.00	0.00	0.00

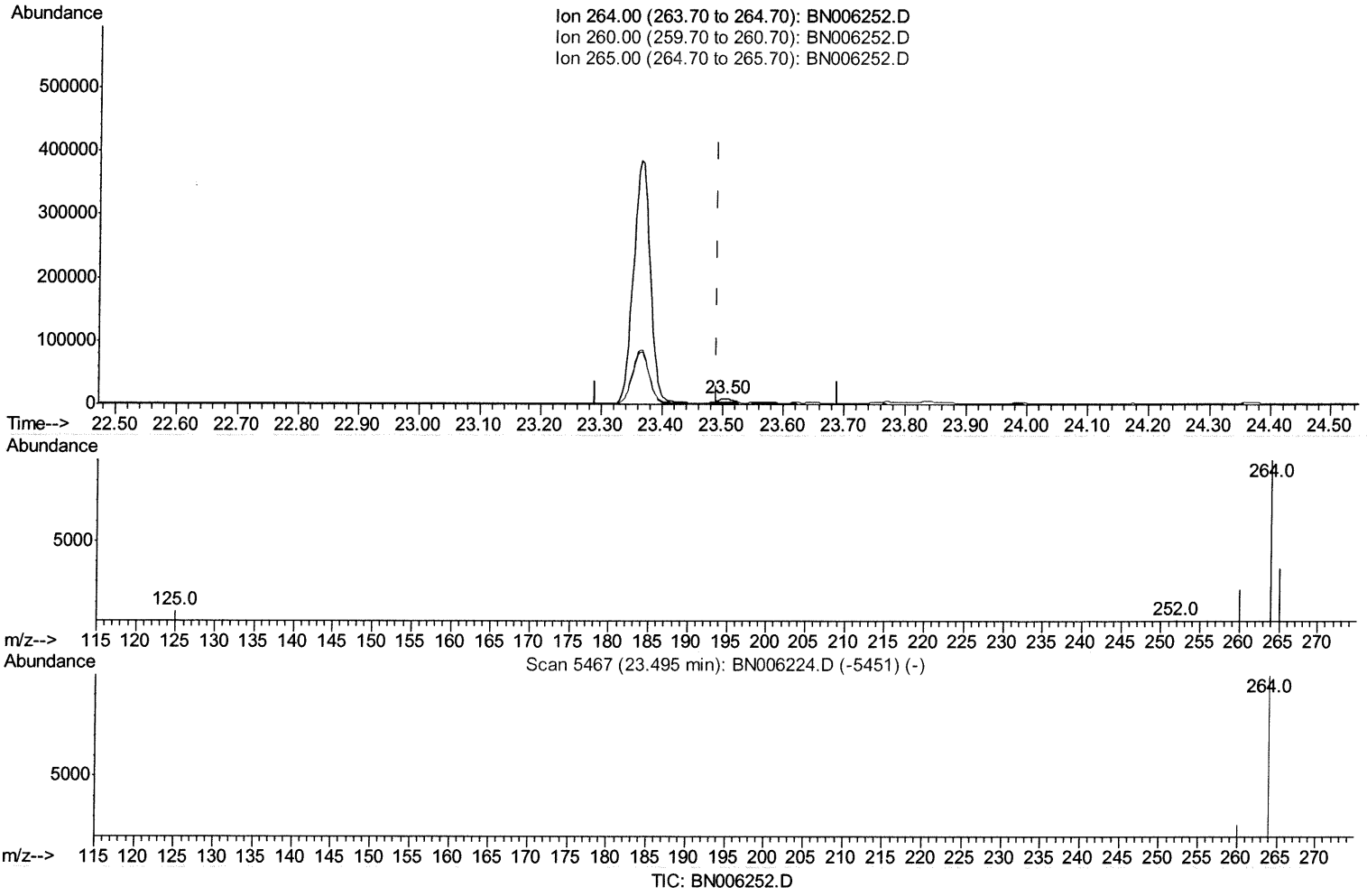
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:09 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(20) Perylene-d12 (I)

23.504min (+0.015) 0.40ng/ul m JU 06/12/19

response 13587

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	29.21
265.00	44.70	40.39
0.00	0.00	0.00

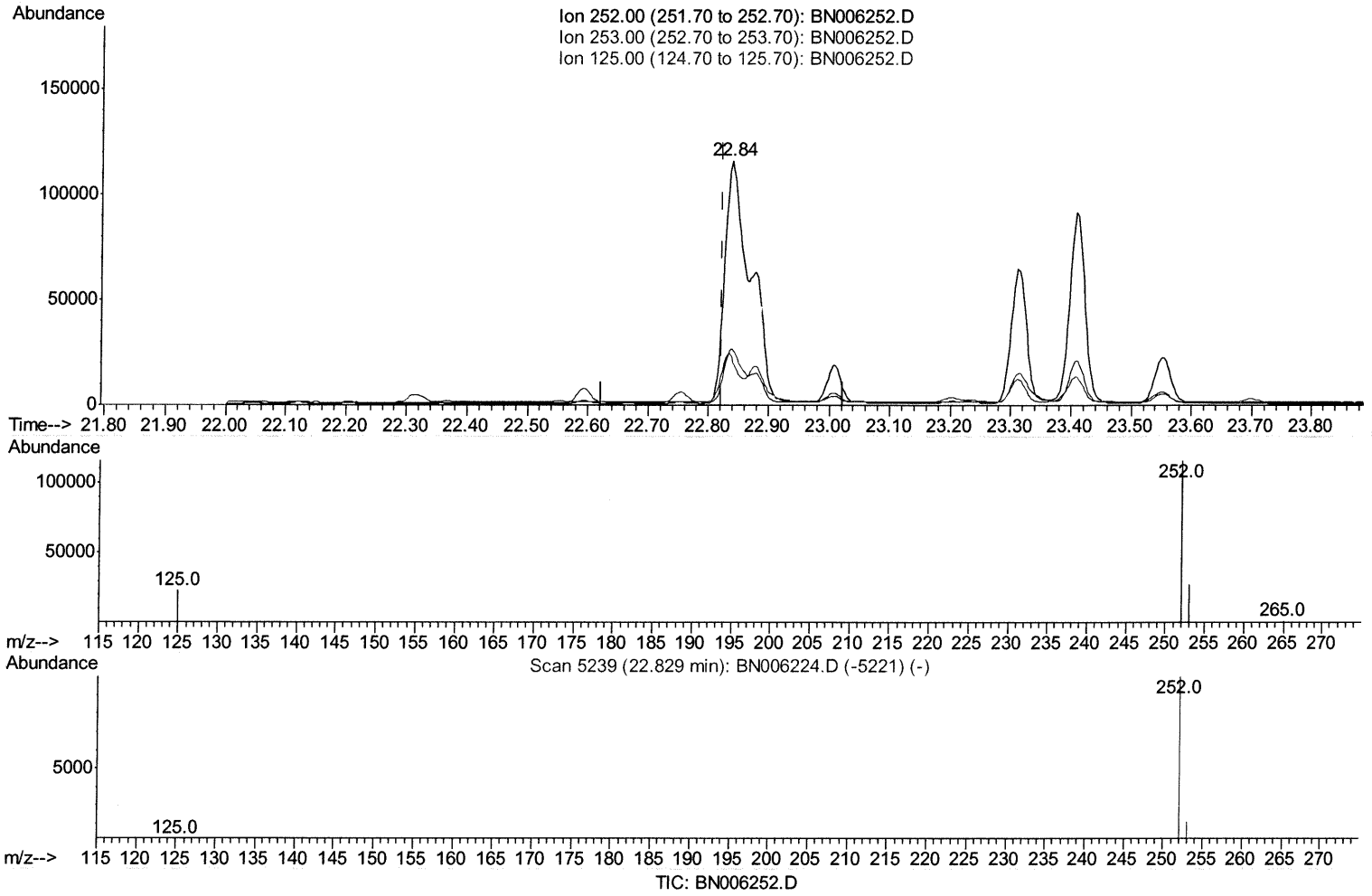
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:47 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



(21) Benzo(b)fluoranthene

22.838min (+0.015) 5.64ng/ul

response 319803

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	23.29
125.00	20.50	19.86
0.00	0.00	0.00

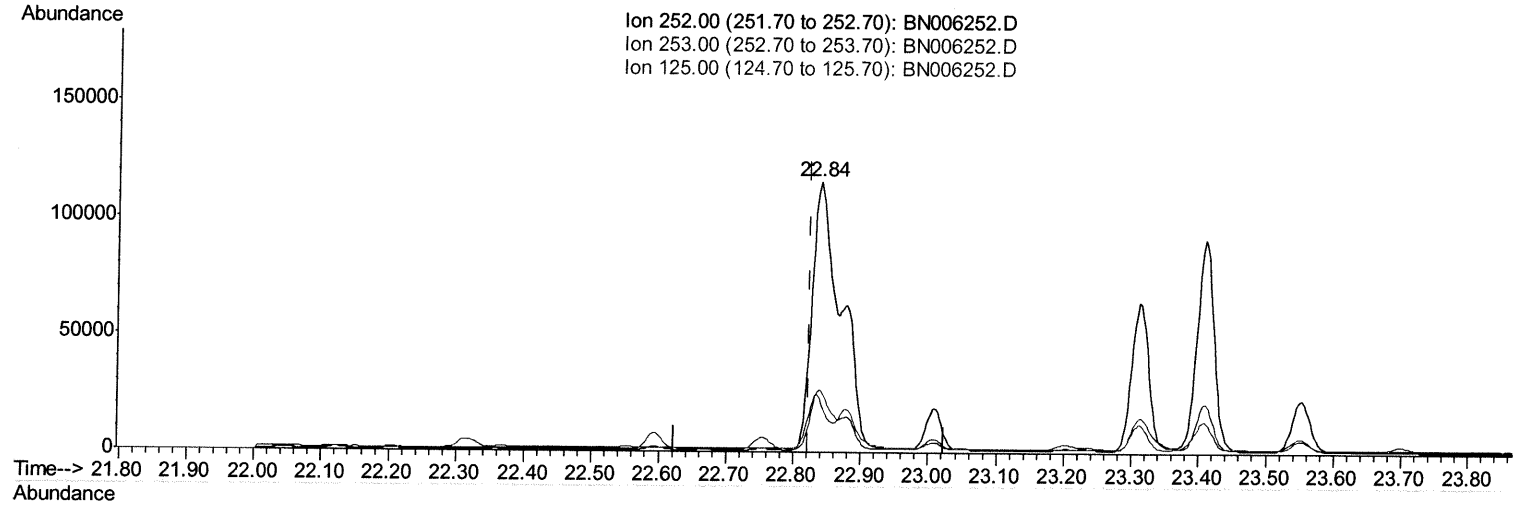
Quantitation Report (Qedit)

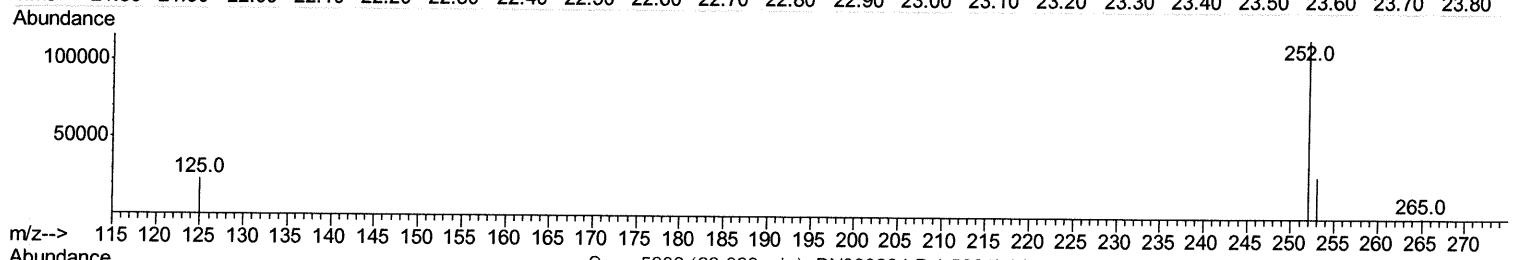
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

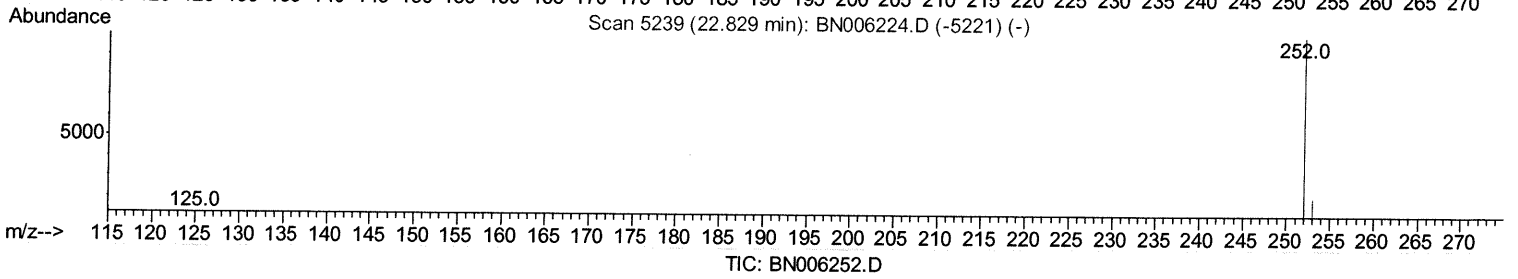
Quant Time: Jun 12 02:08:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM







TIC: BN006252.D

(21) Benzo(b)fluoranthene

22.838min (+0.015) 4.38ng/ul m JU 06/12/19

response 248077

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	23.29
125.00	20.50	19.86
0.00	0.00	0.00

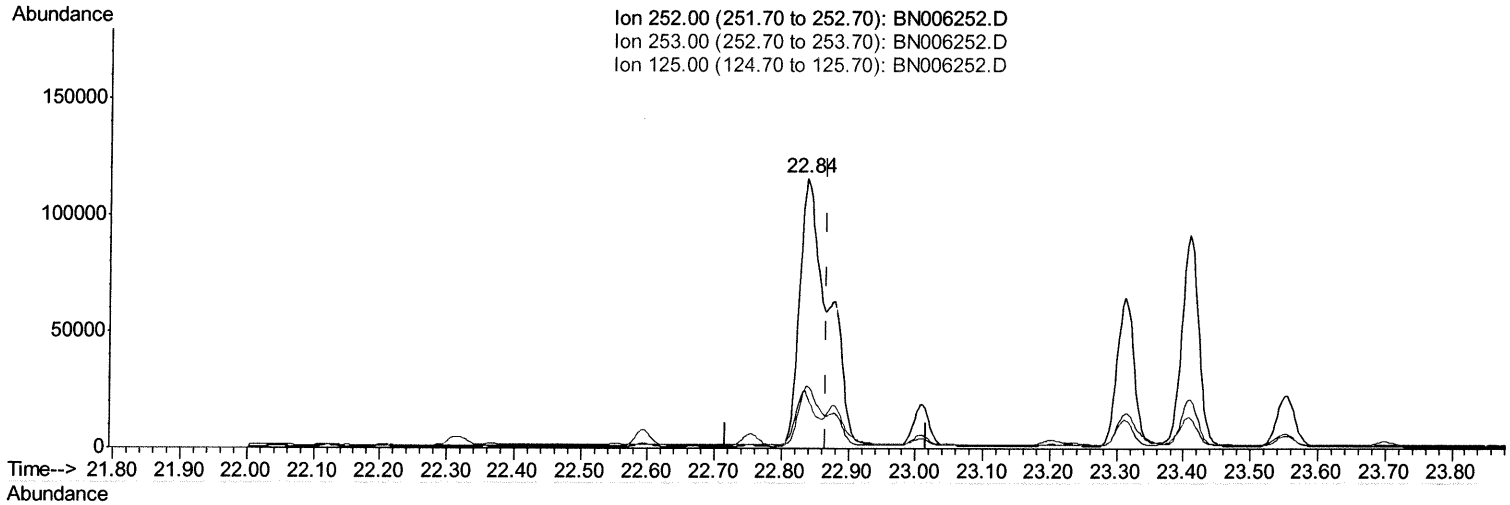
Quantitation Report (Qedit)

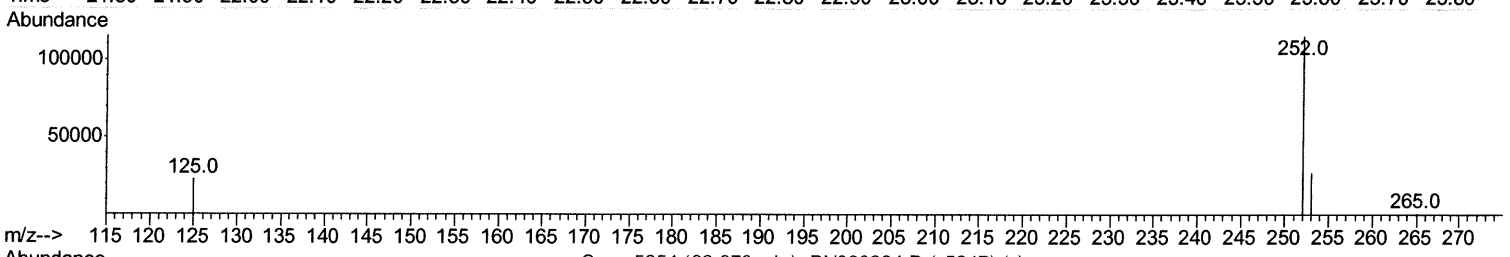
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

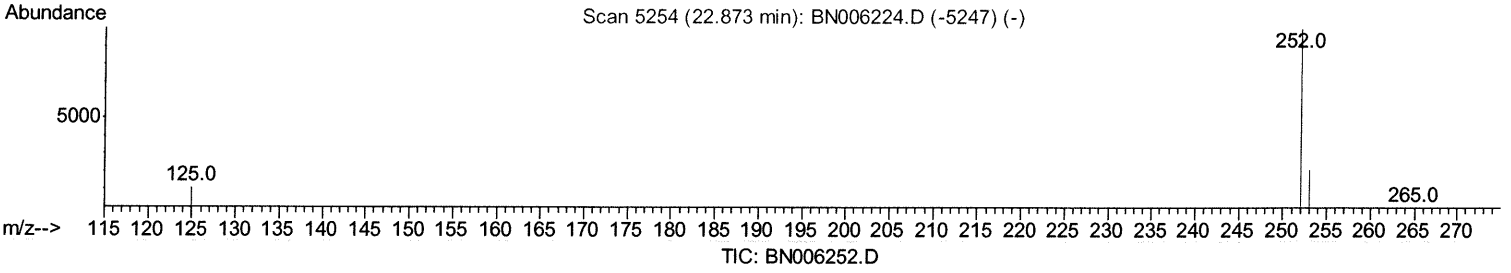
Quant Time: Jun 12 02:08:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM







TIC: BN006252.D

(22) Benzo(k)fluoranthene

22.838min (-0.029) 5.47ng/ul

response 302120

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	23.29
125.00	17.90	19.86
0.00	0.00	0.00

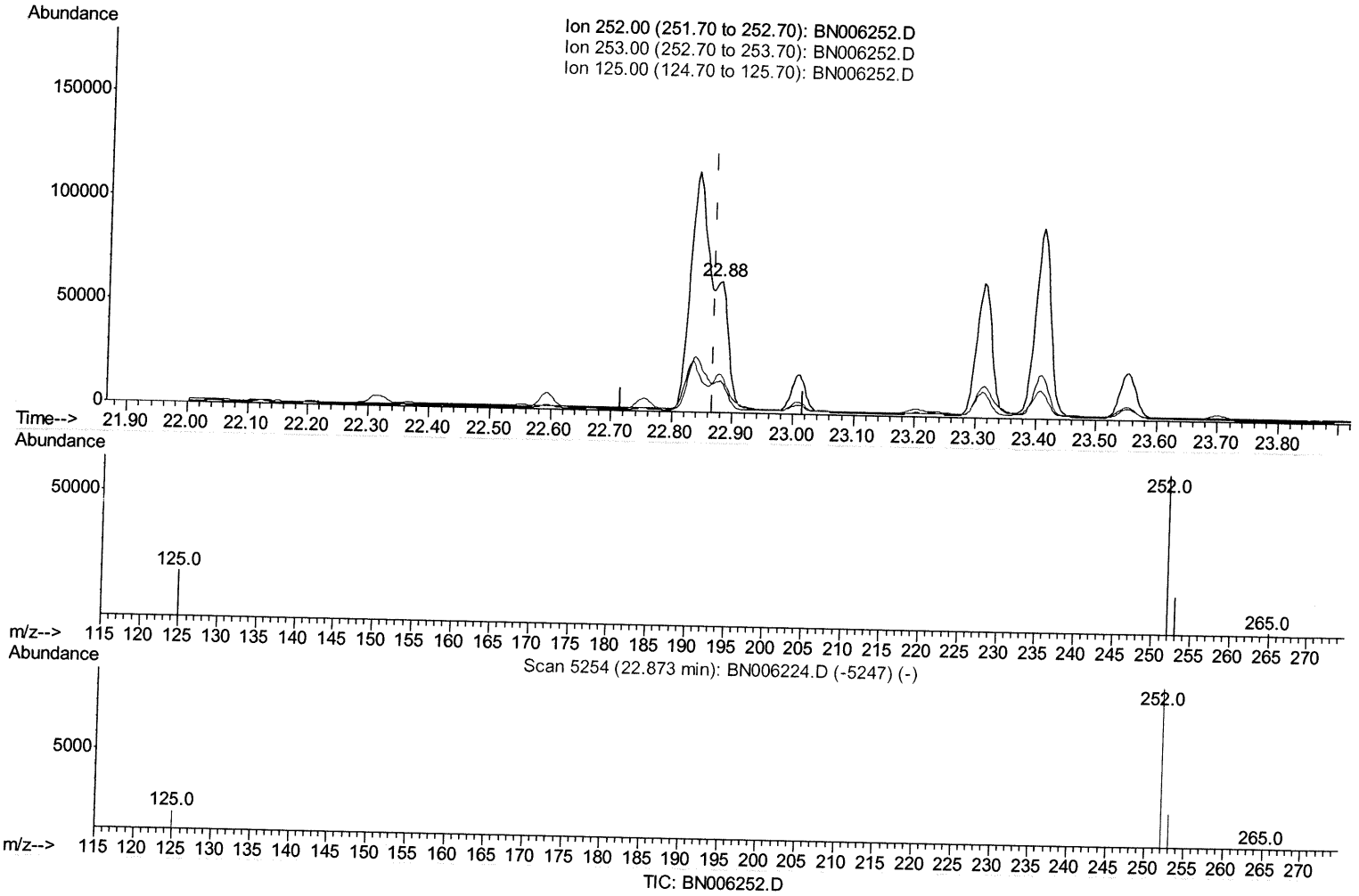
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:47 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



(22) Benzo(k)fluoranthene

22.878min (+0.012) 1.70ng/ul m JU 06/12/19

response 93906

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	24.17
125.00	17.90	29.10#
0.00	0.00	0.00

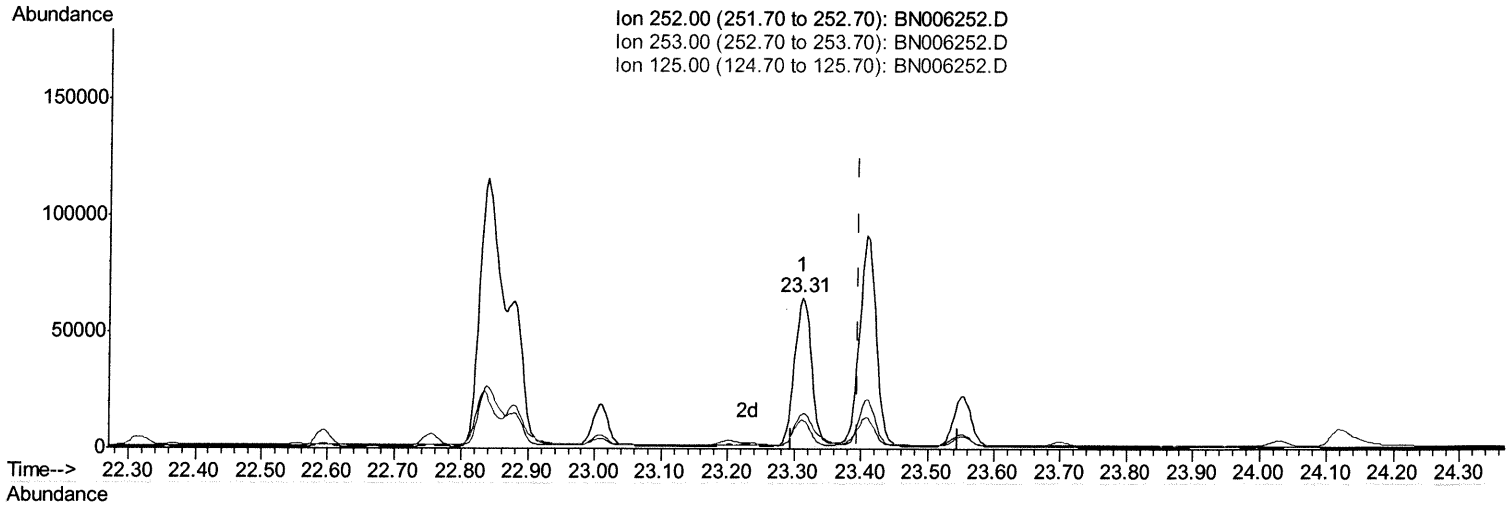
Quantitation Report (Qedit)

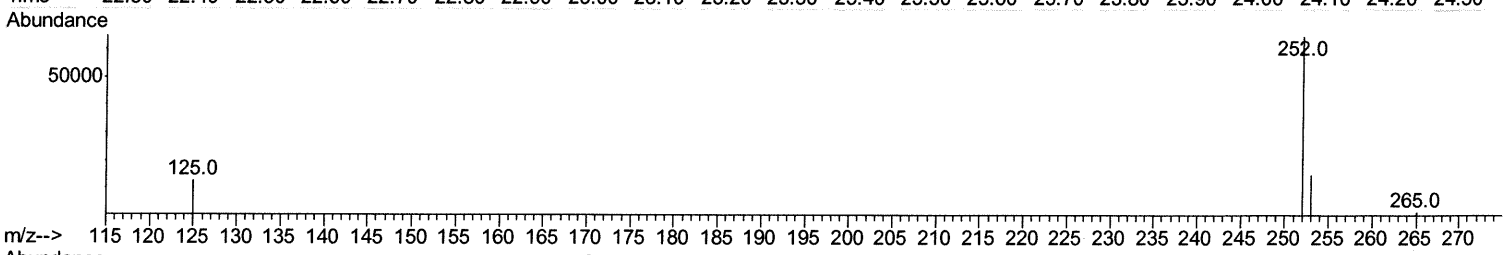
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:47 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

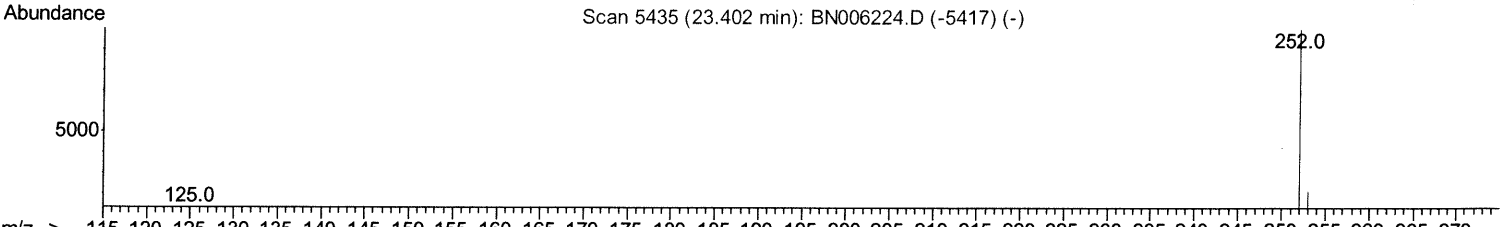
Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM





Scan 5435 (23.402 min): BN006224.D (-5417) (-)



TIC: BN006252.D

(23) Benzo(a)pyrene (C)

23.311min (-0.085) 2.22ng/ul

response 116955

Ion	Exp%	Act%
252.00	100	100
253.00	26.40	23.14
125.00	25.40	19.29#
0.00	0.00	0.00

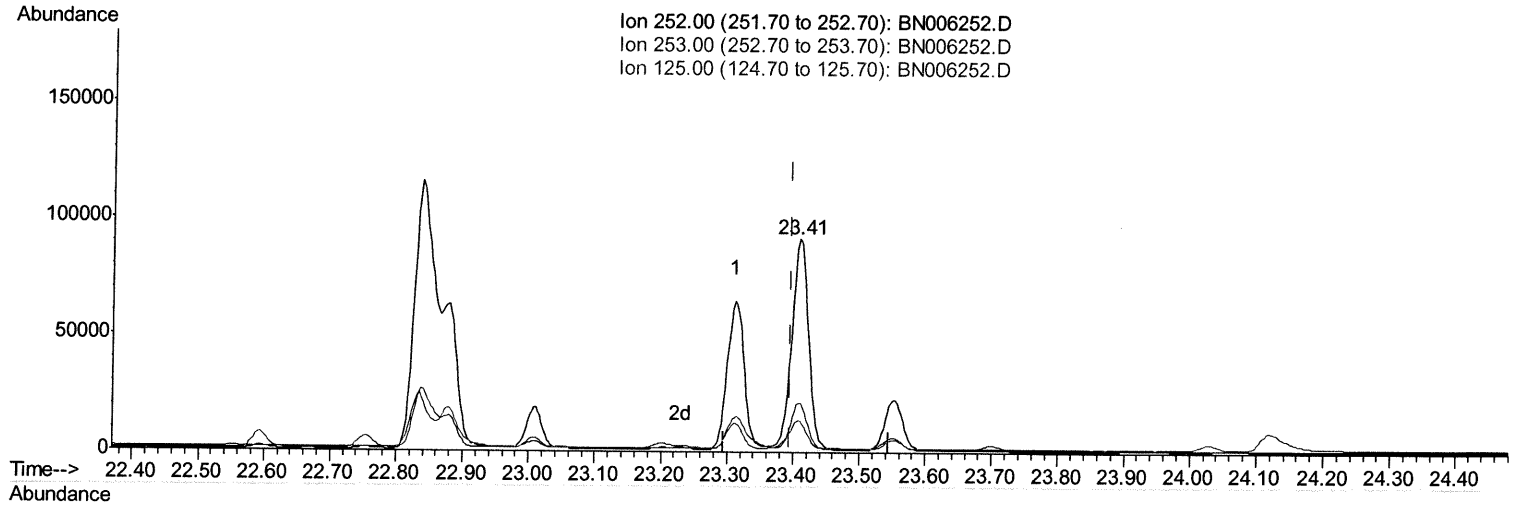
Quantitation Report (Qedit)

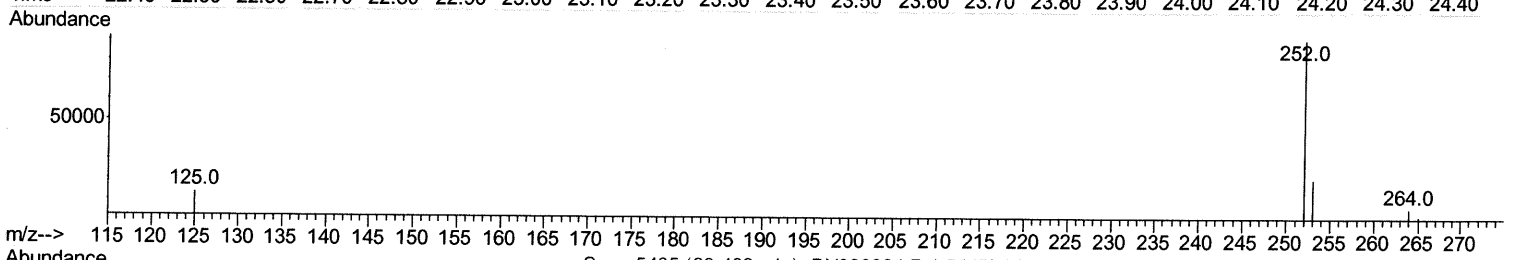
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

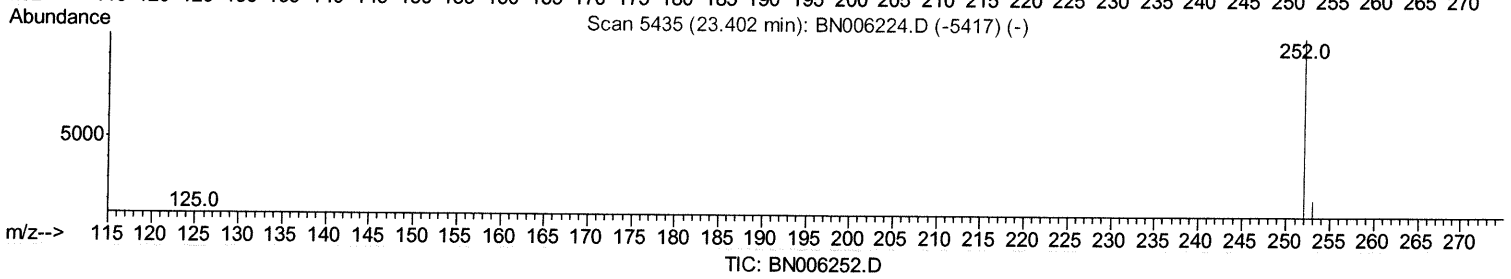
Quant Time: Jun 12 02:08:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM







(23) Benzo(a)pyrene (C)

23.408min (+0.012) 3.02ng/ul m JU 06/12/19

response 159521

Ion	Exp%	Act%
252.00	100	100
253.00	26.40	23.26
125.00	25.40	14.96#
0.00	0.00	0.00

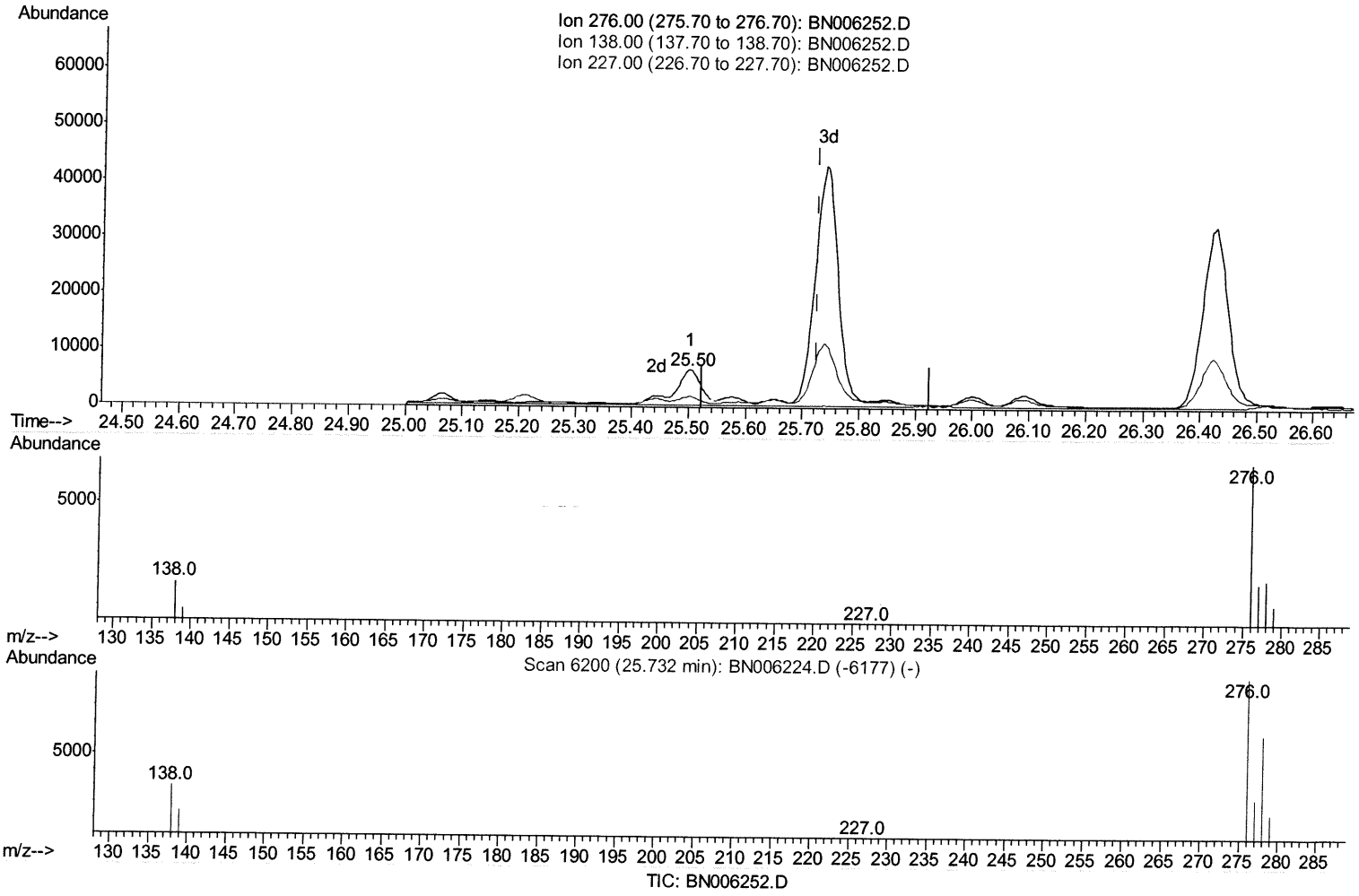
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:47 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



Scan 6200 (25.732 min): BN006224.D (-6177) (-)

TIC: BN006252.D

(24) Indeno(1,2,3-cd)pyrene

25.504min (-0.221) 0.22ng/ul

response 12305

Ion	Exp%	Act%
276.00	100	100
138.00	32.00	21.04#
227.00	0.40	0.07#
0.00	0.00	0.00

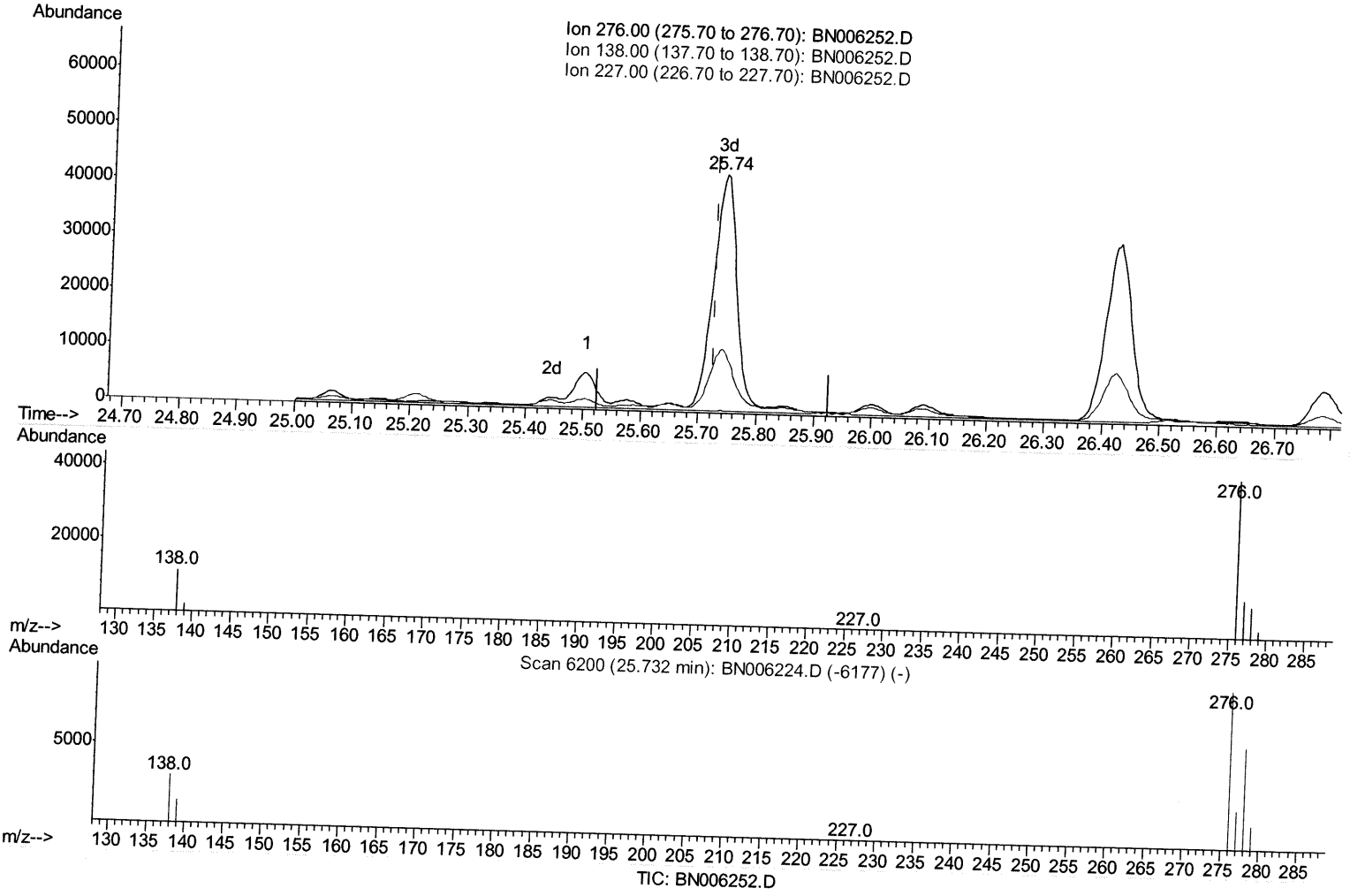
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:47 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(24) Indeno(1,2,3-cd)pyrene

25.738min (+0.013) 2.03ng/ul m JU 06/12/19

response 115921

Ion	Exp%	Act%
276.00	100	100
138.00	32.00	2.23#
227.00	0.40	0.01#
0.00	0.00	0.00

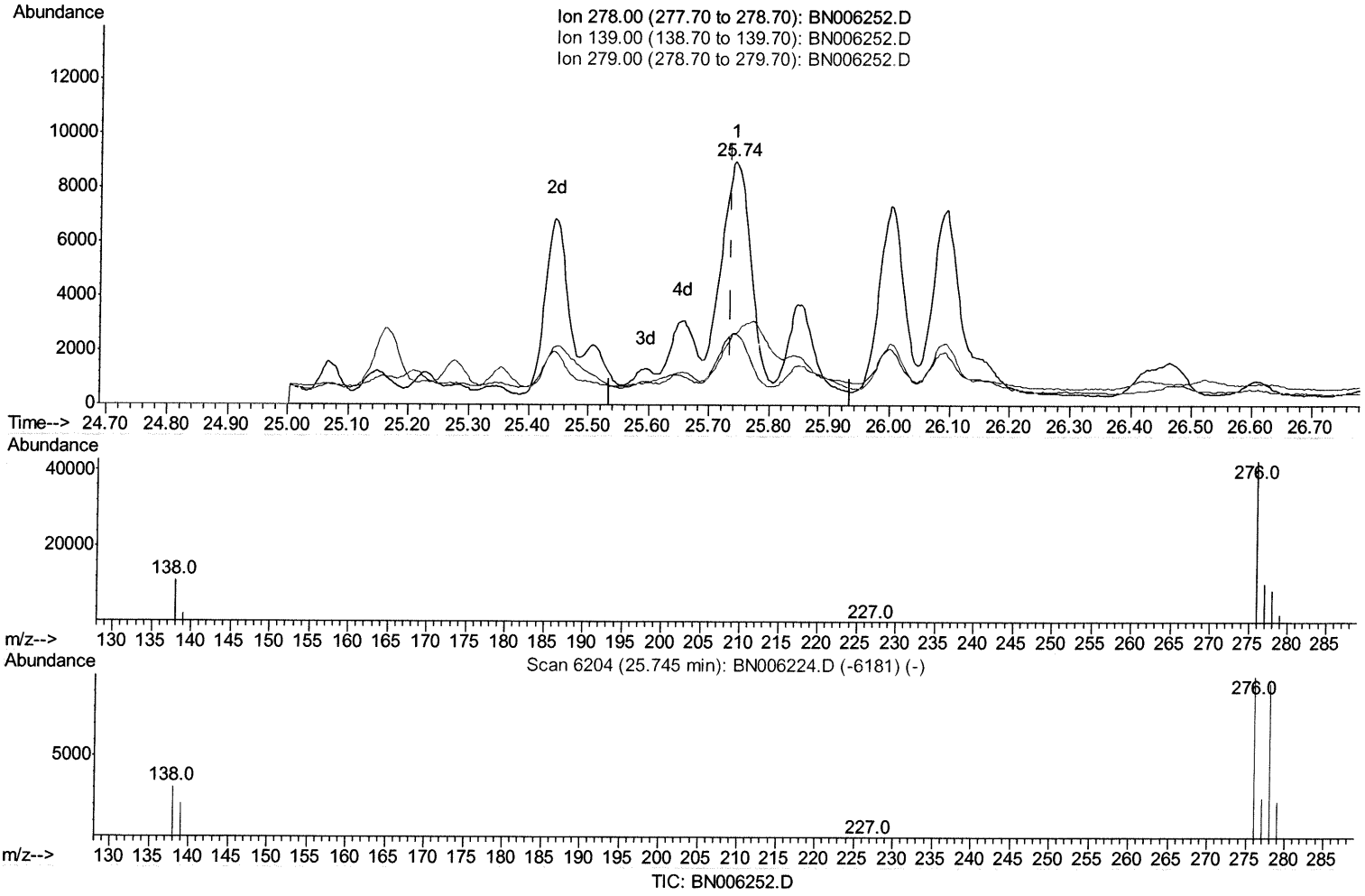
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:47 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(25) Dibenzo(a,h)anthracene

25.742min (+0.007) 0.48ng/ul

response 22088

Ion	Exp%	Act%
278.00	100	100
139.00	26.50	29.43
279.00	28.20	29.19
0.00	0.00	0.00

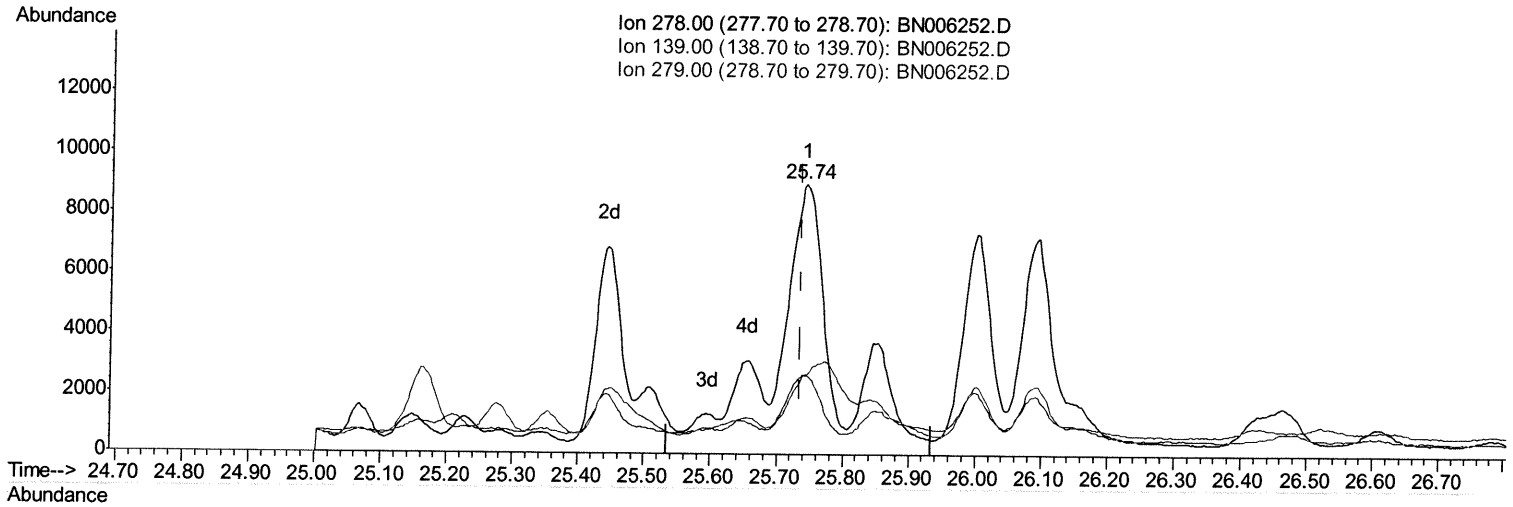
Quantitation Report (Qedit)

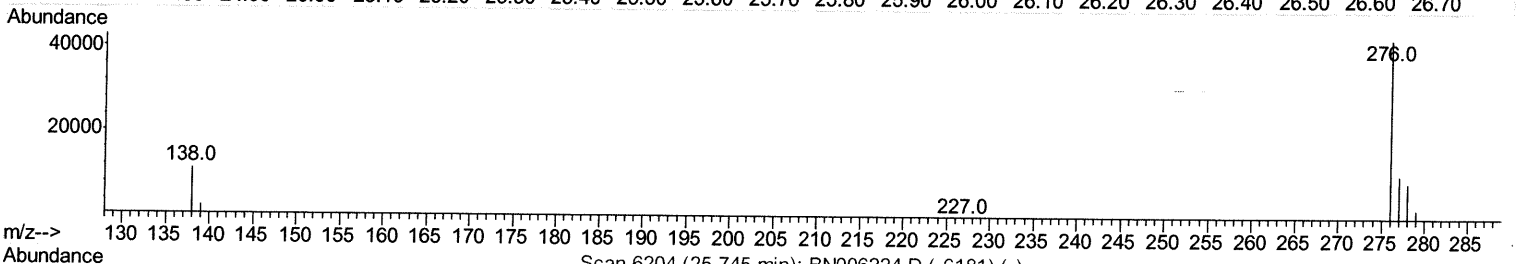
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:47 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

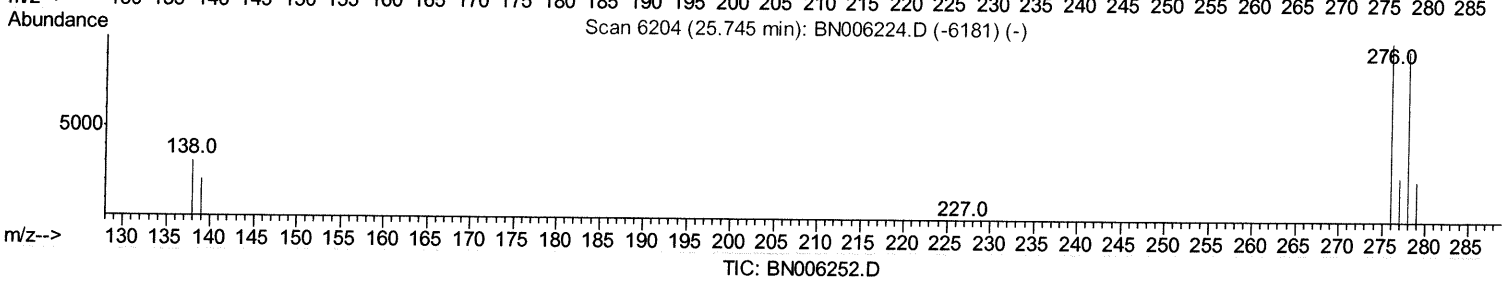
Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM





Scan 6204 (25.745 min): BN006224.D (-6181) (-)



TIC: BN006252.D

(25) Dibenzo(a,h)anthracene

25.742min (+0.007) 0.60ng/ul m JU 06/12/19

response 27206

Ion	Exp%	Act%
278.00	100	100
139.00	26.50	29.43
279.00	28.20	29.19
0.00	0.00	0.00

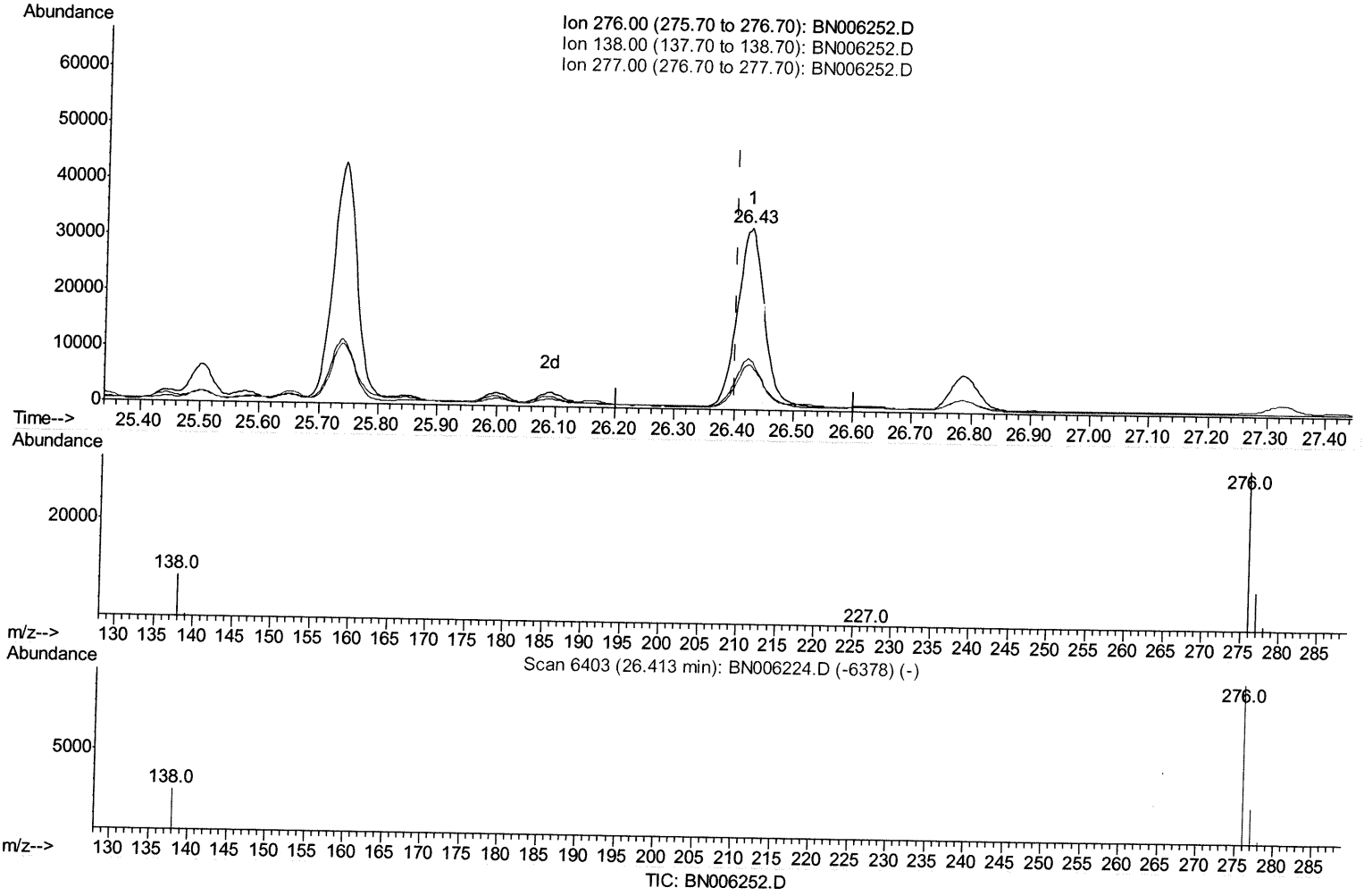
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 12 02:08:47 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 :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM



TIC: BN006252.D

(26) Benzo(g,h,i)perylene

26.426min (+0.023) 1.78ng/ul

response 85037

Ion	Exp%	Act%
276.00	100	100
138.00	30.30	27.19
277.00	26.90	24.78
0.00	0.00	0.00

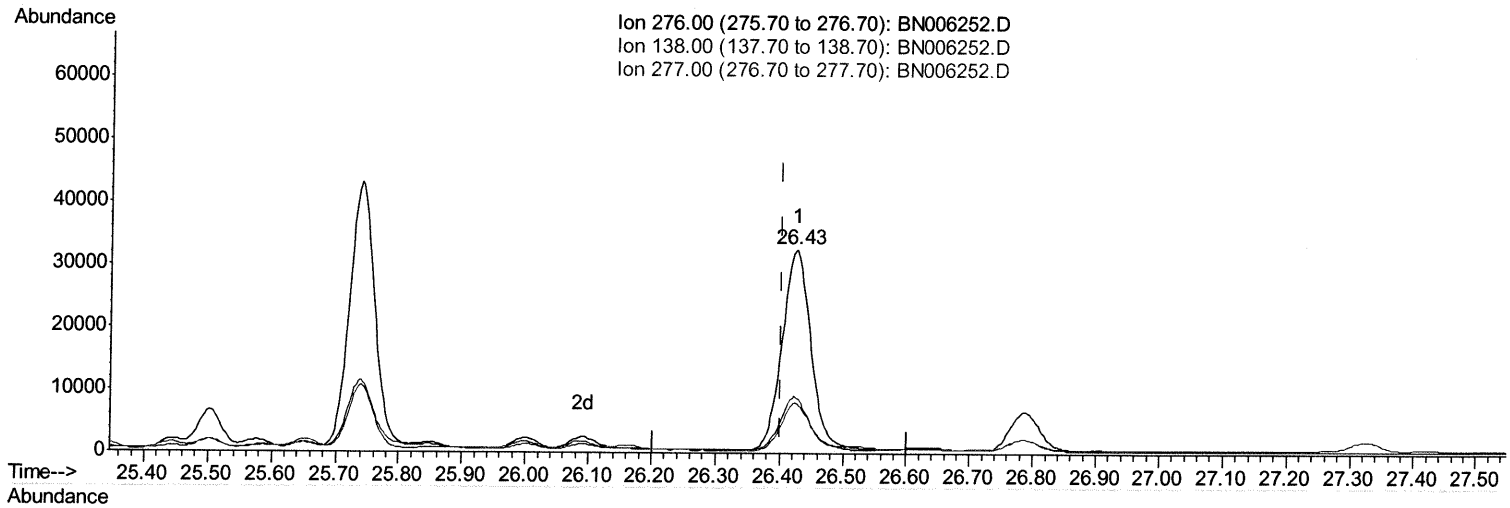
Quantitation Report (Qedit)

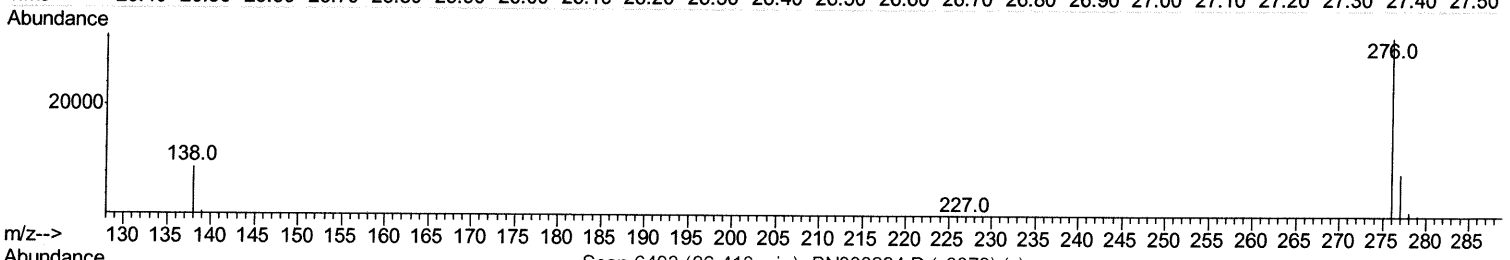
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

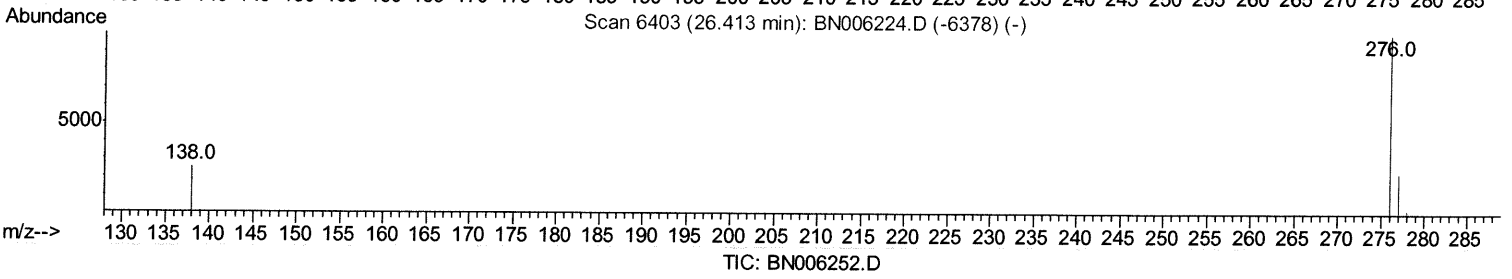
Quant Time: Jun 12 02:08:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM







TIC: BN006252.D

(26) Benzo(g,h,i)perylene

26.426min (+0.023) 2.16ng/ul m JU 06/12/19

response 103459

Ion	Exp%	Act%
276.00	100	100
138.00	30.30	27.19
277.00	26.90	24.78
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061119\
Data File : BN006252.D
Acq On : 11 Jun 2019 18:38
Operator : JU/SJ
Sample : K3083-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51F4

Manual Integrations APPROVED
mohammad
6/12/2019 8:18:58 AM

Quant Time: Jun 12 02:10:53 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	5757	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	22198	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	11015	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	20005m	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	14001m	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	13587m	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	6766	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	11248m	0.21	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.47	128	3915	0.064	ng/ul#	92
5) 2-Methylnaphthalene	12.10	142	1989	0.047	ng/ul	97
7) Acenaphthylene	14.01	152	3291	0.054	ng/ul#	90
8) Acenaphthene	14.36	153	22503	0.530	ng/ul	99
9) Fluorene	15.35	166	17107	0.344	ng/ul	97
12) Phenanthrene	17.09	178	282415m	4.398	ng/ul	
13) Anthracene	17.18	178	56492m	0.921	ng/ul	
15) Fluoranthene	19.12	202	502251m	7.083	ng/ul	
17) Pyrene	19.49	202	383493	5.200	ng/ul	100
18) Benzo(a)anthracene	21.25	228	184507	2.980	ng/ul	100
19) Chrysene	21.31	228	197999	3.406	ng/ul	98
21) Benzo(b)fluoranthene	22.84	252	248077m	4.379	ng/ul	
22) Benzo(k)fluoranthene	22.88	252	93906m	1.702	ng/ul	
23) Benzo(a)pyrene	23.41	252	159521m	3.023	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.74	276	115921m	2.030	ng/ul	
25) Dibenzo(a,h)anthracene	25.74	278	27206m	0.596	ng/ul	
26) Benzo(g,h,i)perylene	26.43	276	103459m	2.163	ng/ul	

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