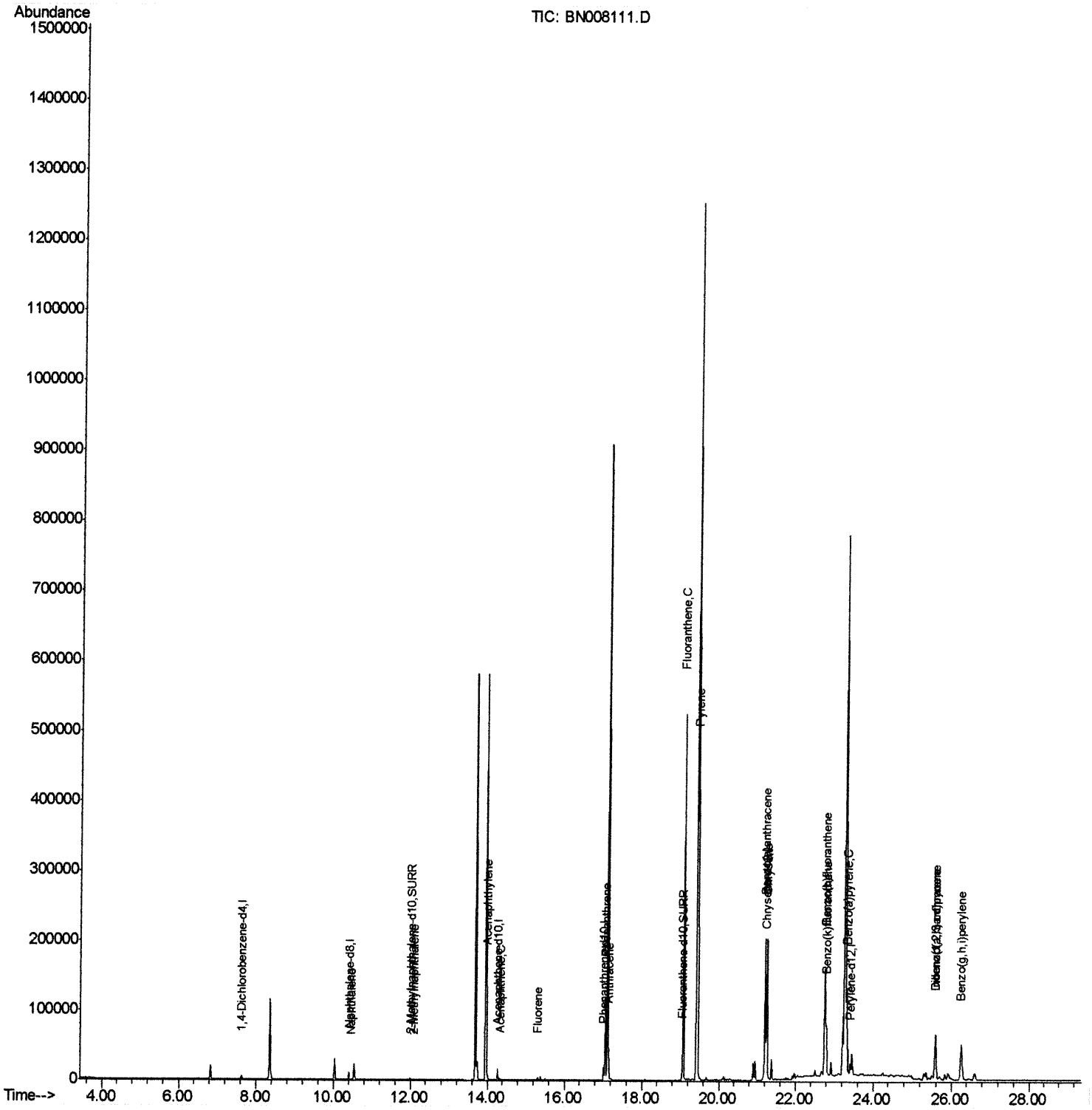
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:48:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



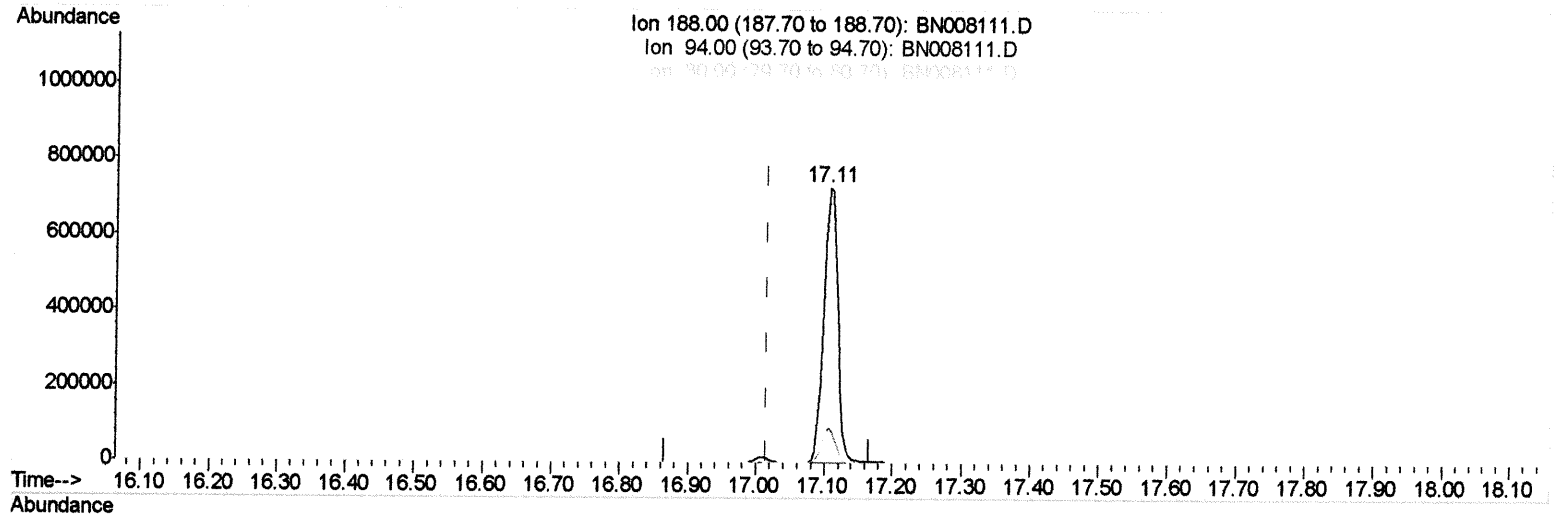
Quantitation Report (Qedit)

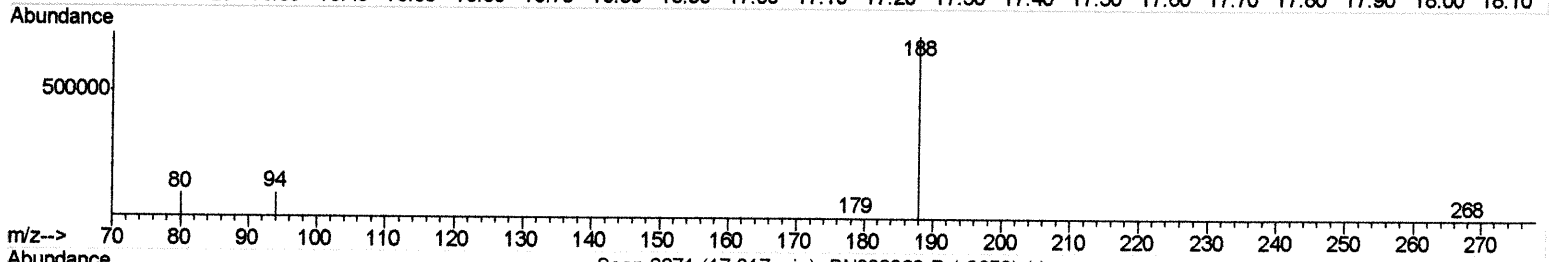
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

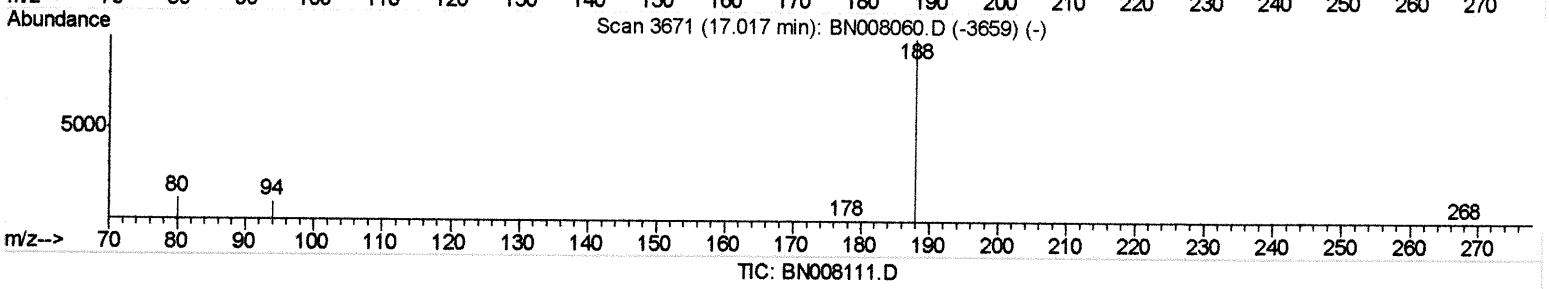
Quant Time: Oct 14 15:45:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM







TIC: BN008111.D

(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 1019486

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.53
80.00	12.60	12.26
0.00	0.00	0.00

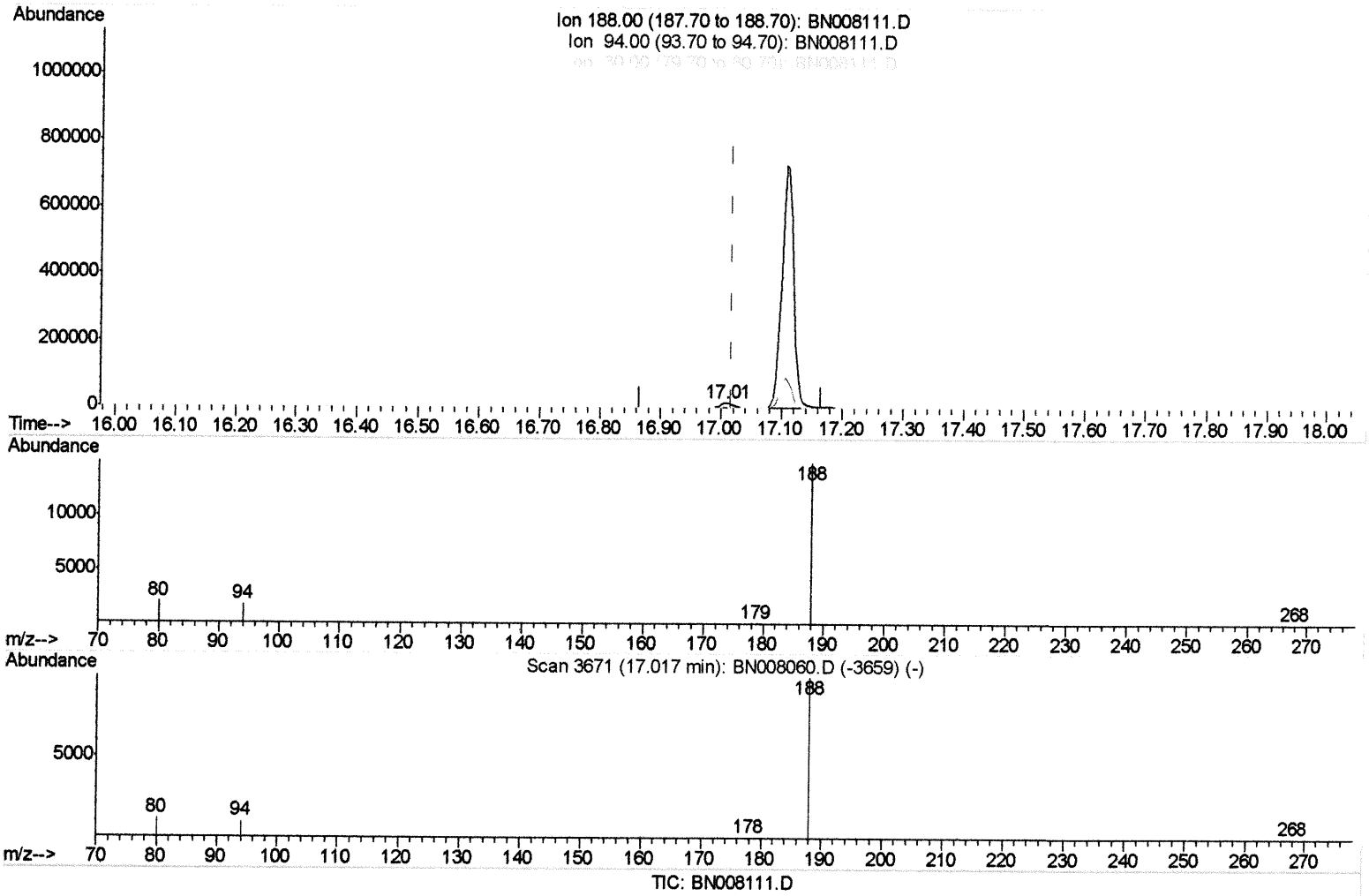
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:45:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



(10) Phenanthrene-d10 (I)

17.009min (-0.008) 0.40ng/ul m JU 10/16/19

response 21416

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.28
80.00	12.60	13.19
0.00	0.00	0.00

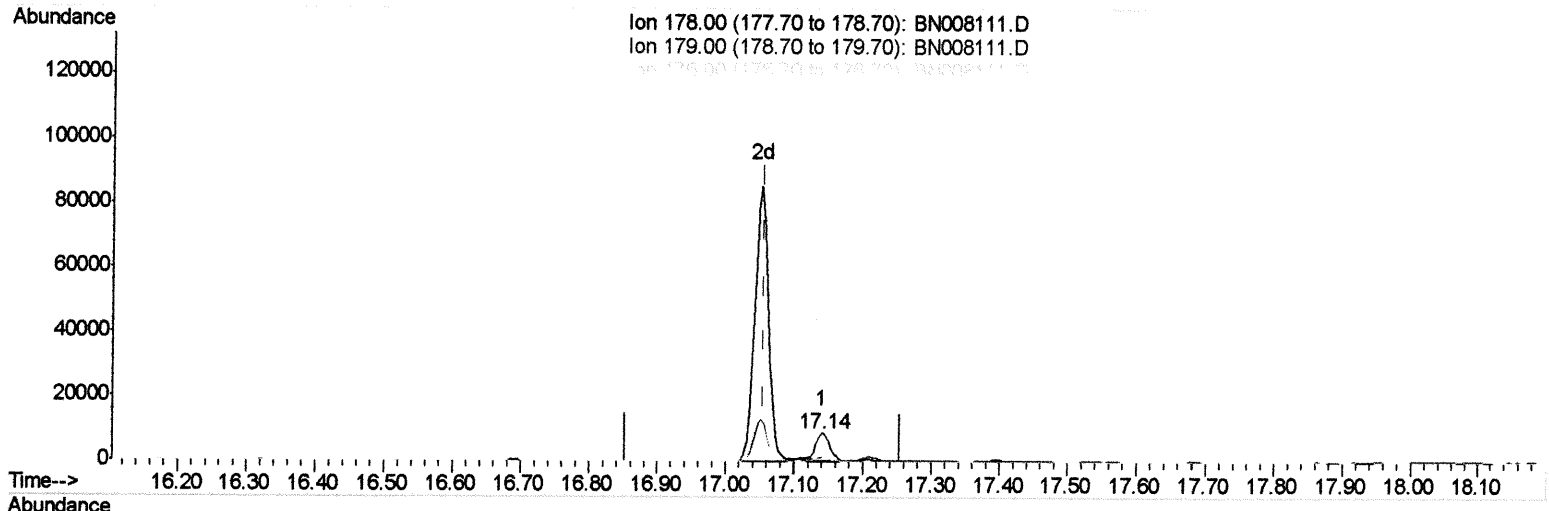
Quantitation Report (Qedit)

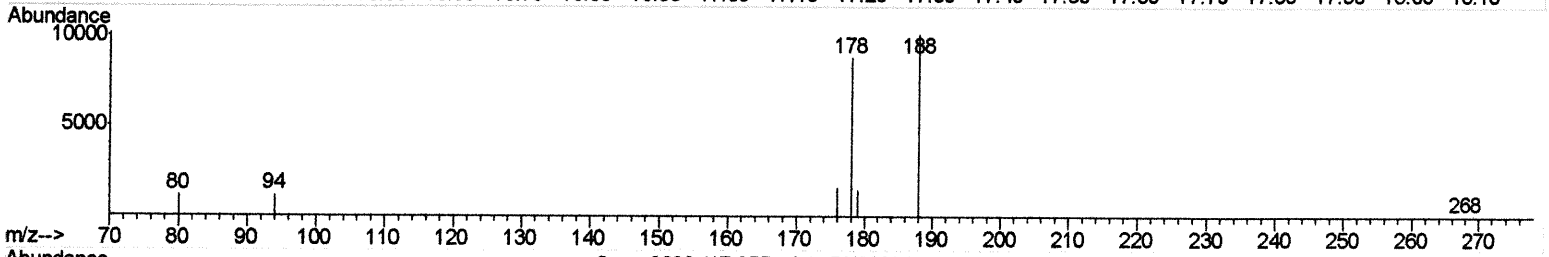
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

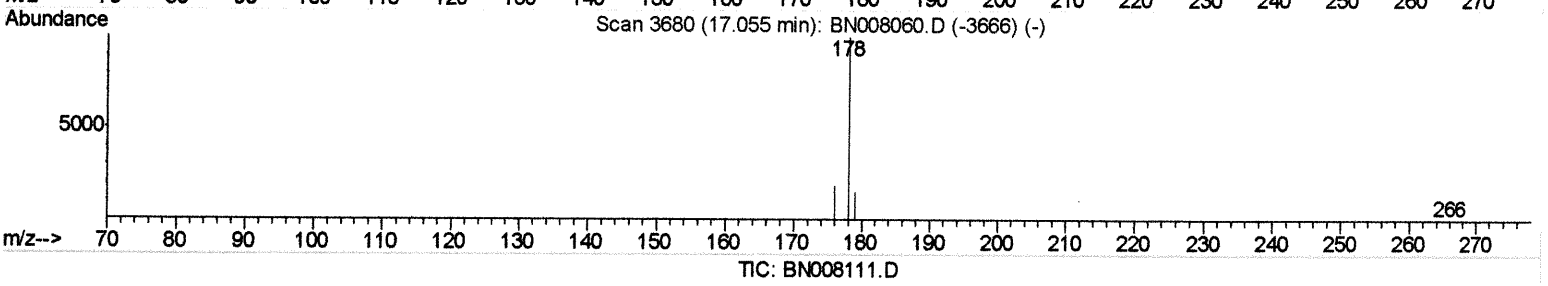
Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM







TIC: BN008111.D

(12) Phenanthrene

17.140min (+0.085) 0.20ng/ul

response 12465

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	17.20
176.00	19.30	19.04
0.00	0.00	0.00

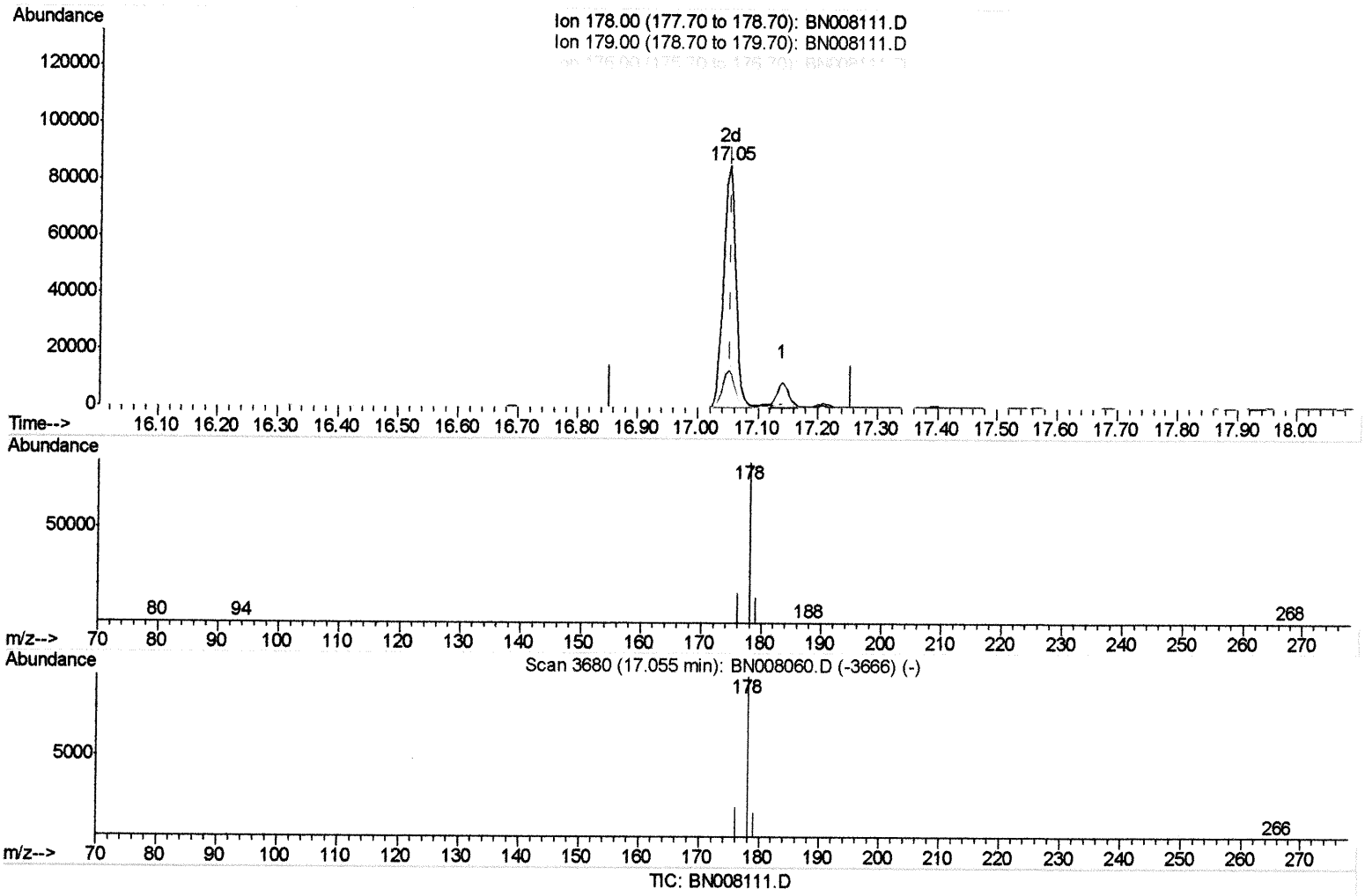
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



TIC: BN008111.D

(12) Phenanthrene

17.051min (-0.004) 1.90ng/ul m JU 10/16/19

response 119153

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.50
176.00	19.30	18.66
0.00	0.00	0.00

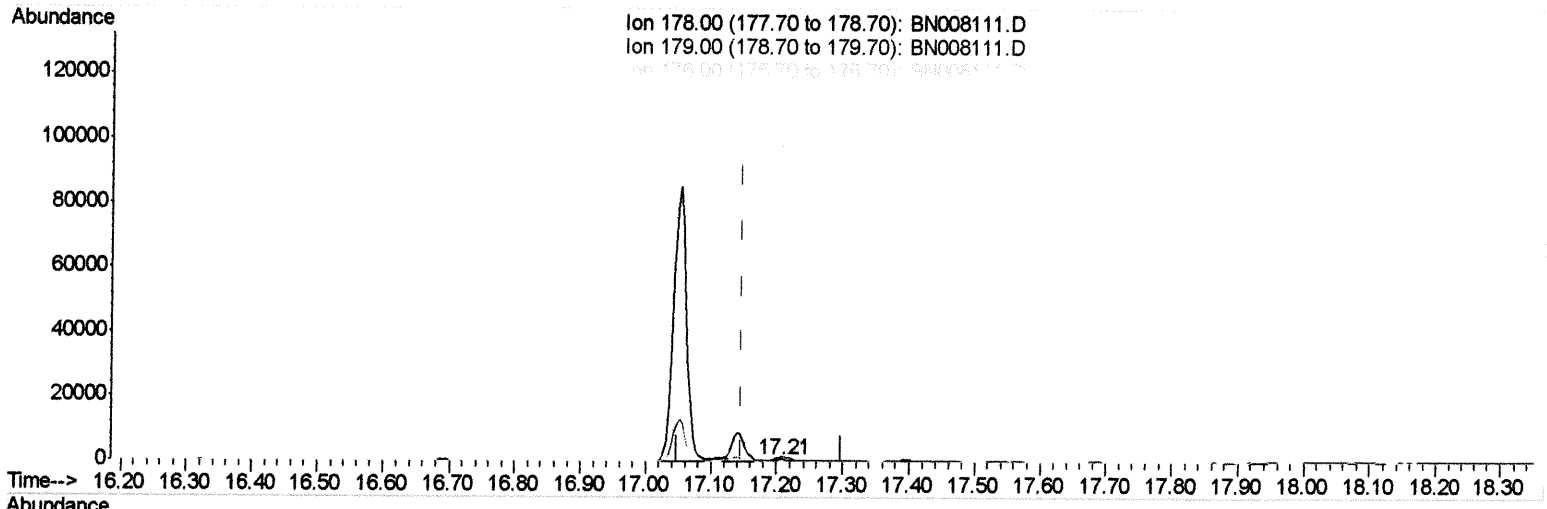
Quantitation Report (Qedit)

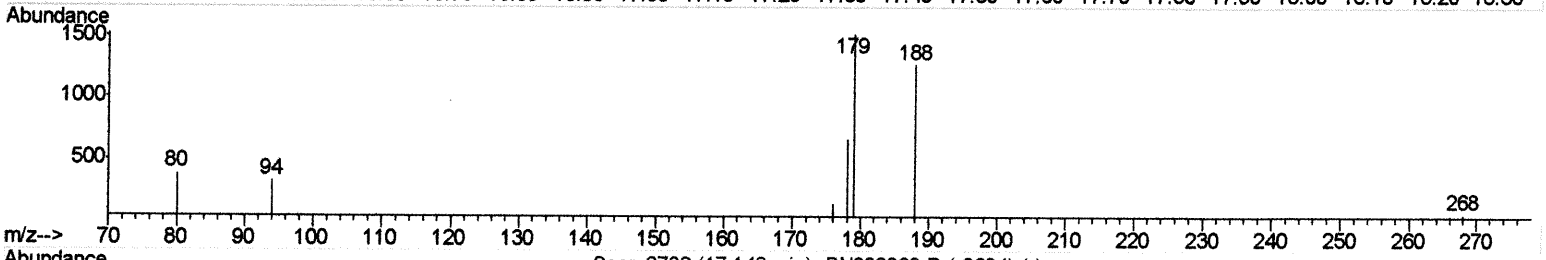
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

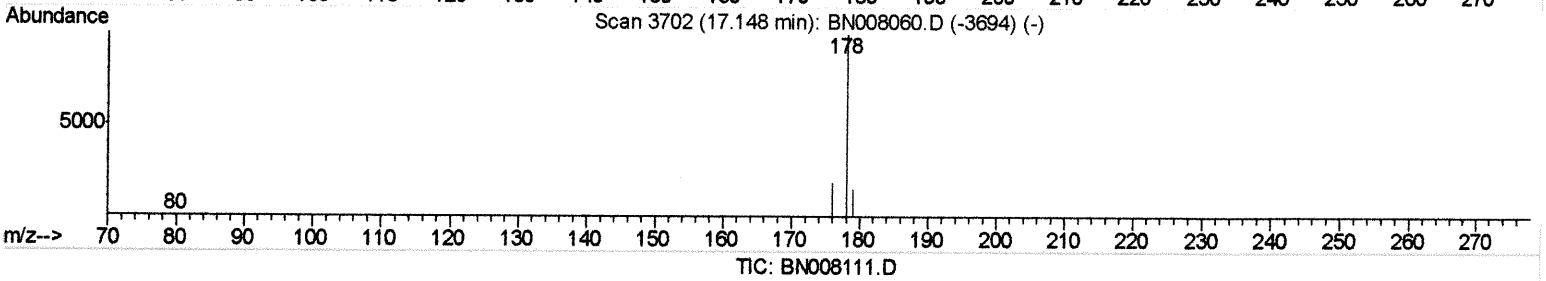
Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM







(13) Anthracene

17.207min (+0.059) 0.02ng/ul

response 1224

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	224.93#
176.00	18.80	22.11
0.00	0.00	0.00

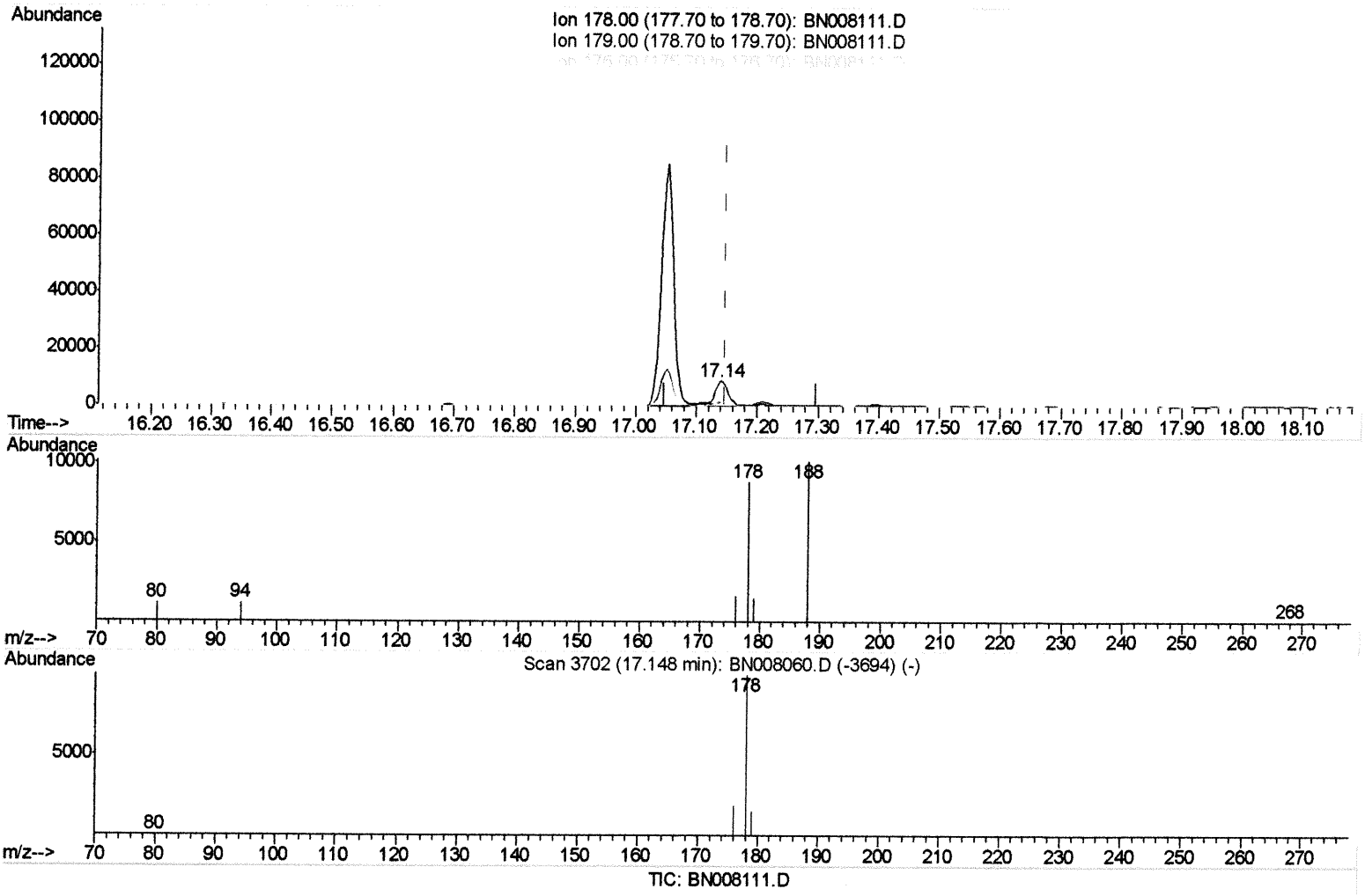
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



TIC: BN008111.D

(13) Anthracene

17.140min (-0.008) 0.25ng/ul m 10/16/19

response 13559

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	17.20
176.00	18.80	19.04
0.00	0.00	0.00

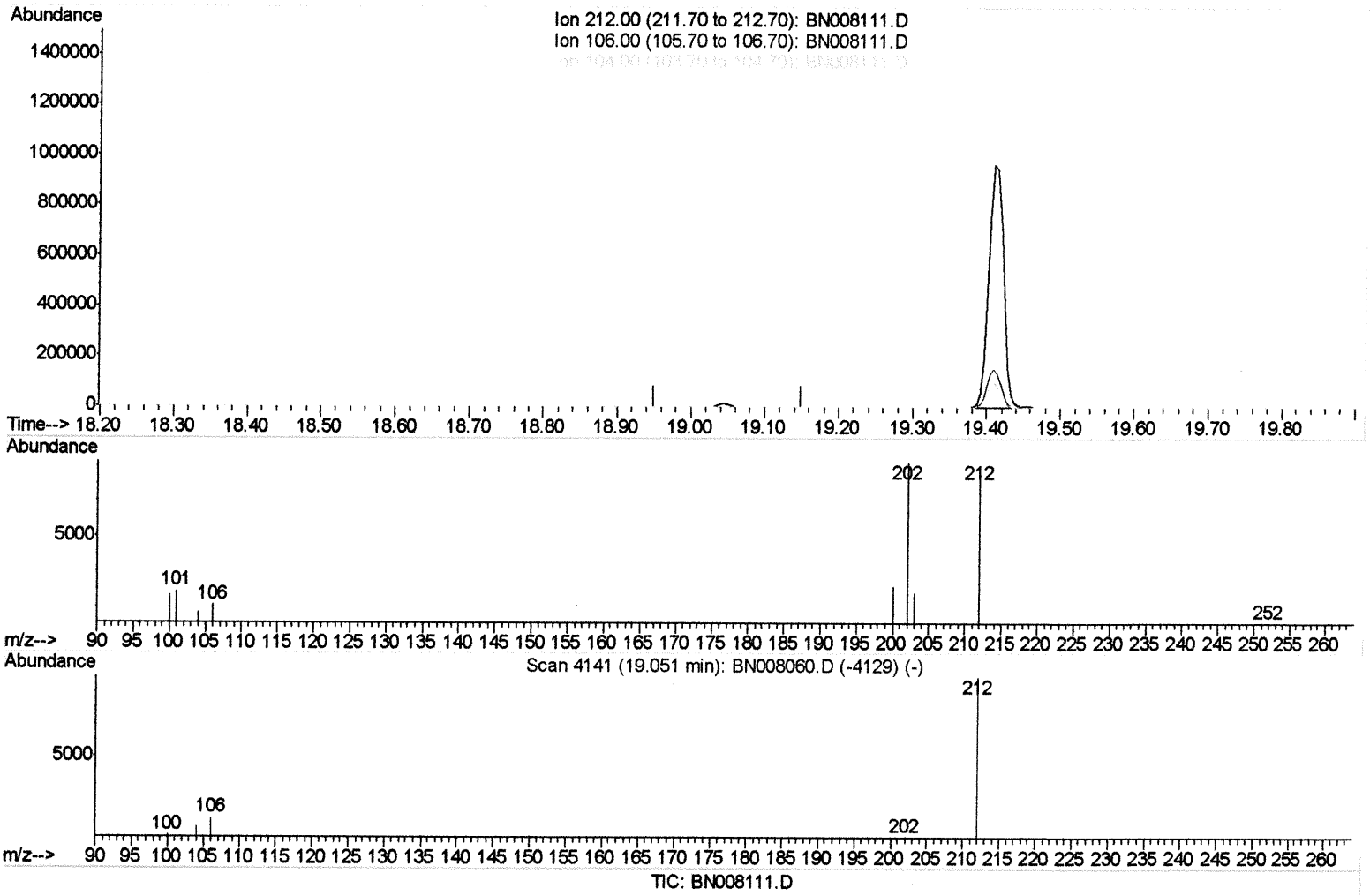
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



(14) Fluoranthene-d10 (SURR)

19.051min (-19.051) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

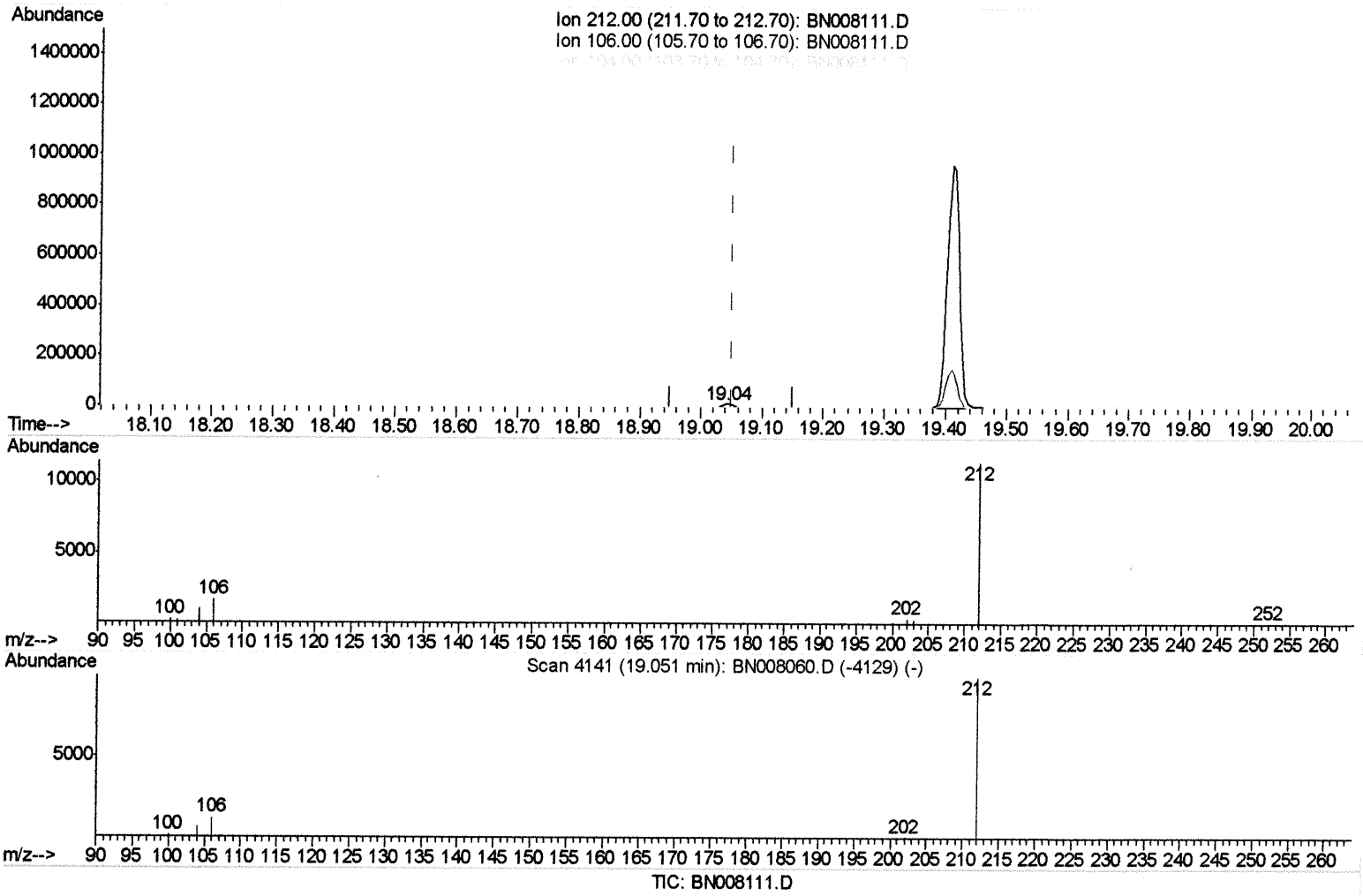
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



TIC: BN008111.D

(14) Fluoranthene-d10 (SURR)

19.042min (-0.009) 0.21ng/ul m JU 10/16/19

response 15766

Ion	Exp%	Act%
212.00	100	100
106.00	12.70	0.00#
104.00	7.20	0.00#
0.00	0.00	0.00

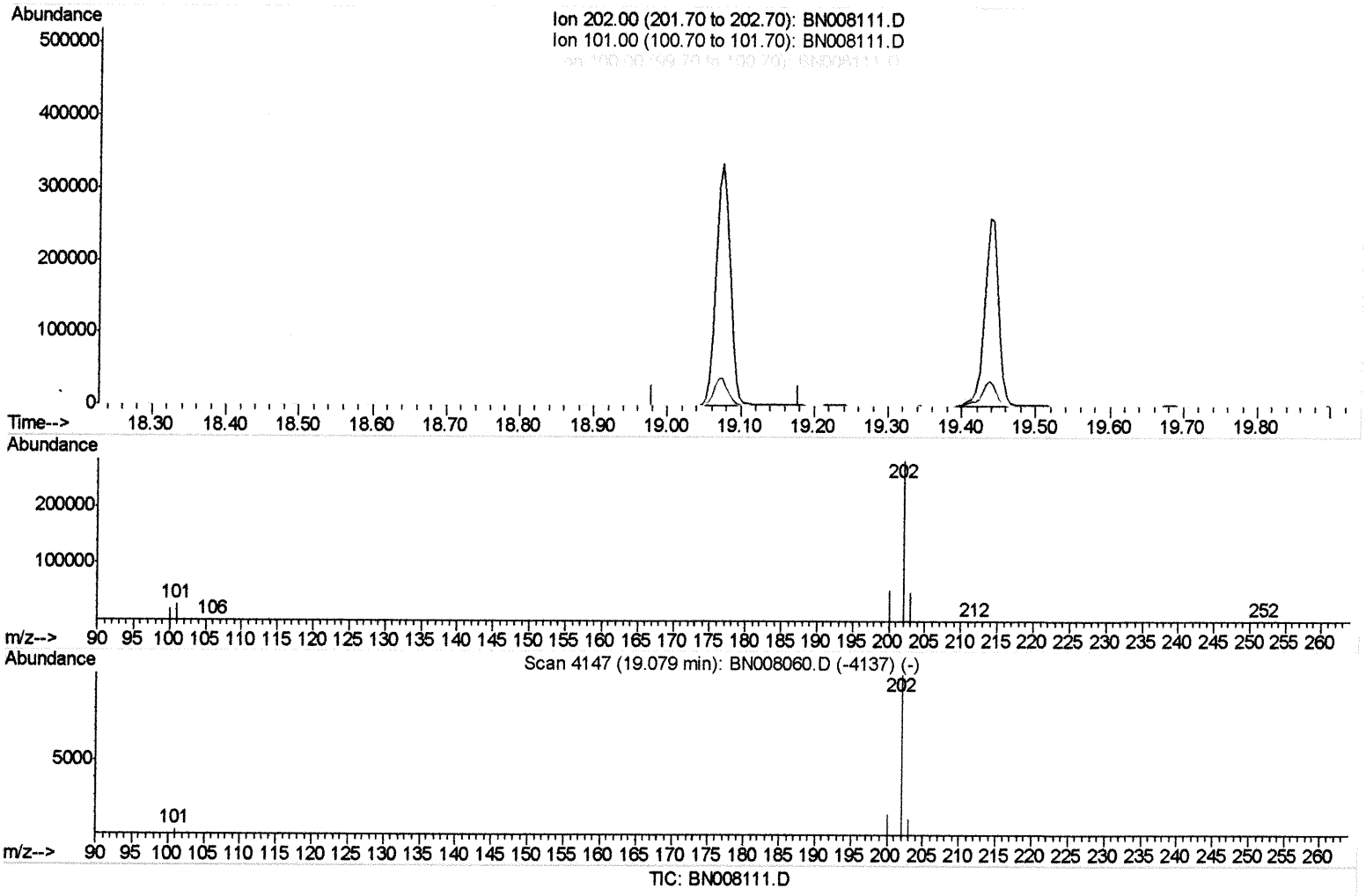
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



(15) Fluoranthene (C)

19.079min (-19.079) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	11.20	0.00
100.00	8.50	0.00
0.00	0.00	0.00

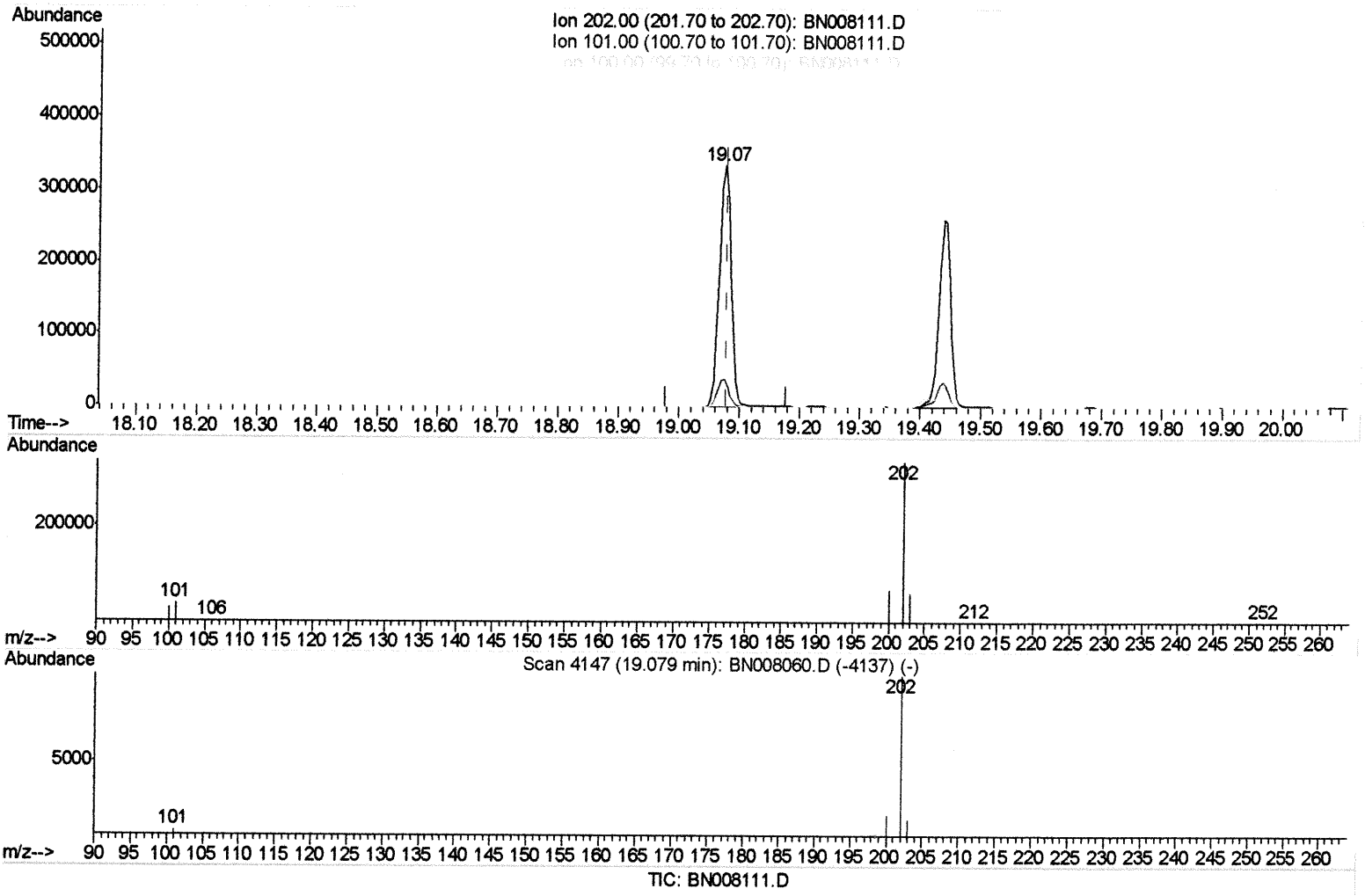
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



TIC: BN008111.D

(15) Fluoranthene (C)

19.074min (-0.004) 5.34ng/ul m JL 10/16/19

response 442565

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	11.16
100.00	8.50	8.39
0.00	0.00	0.00

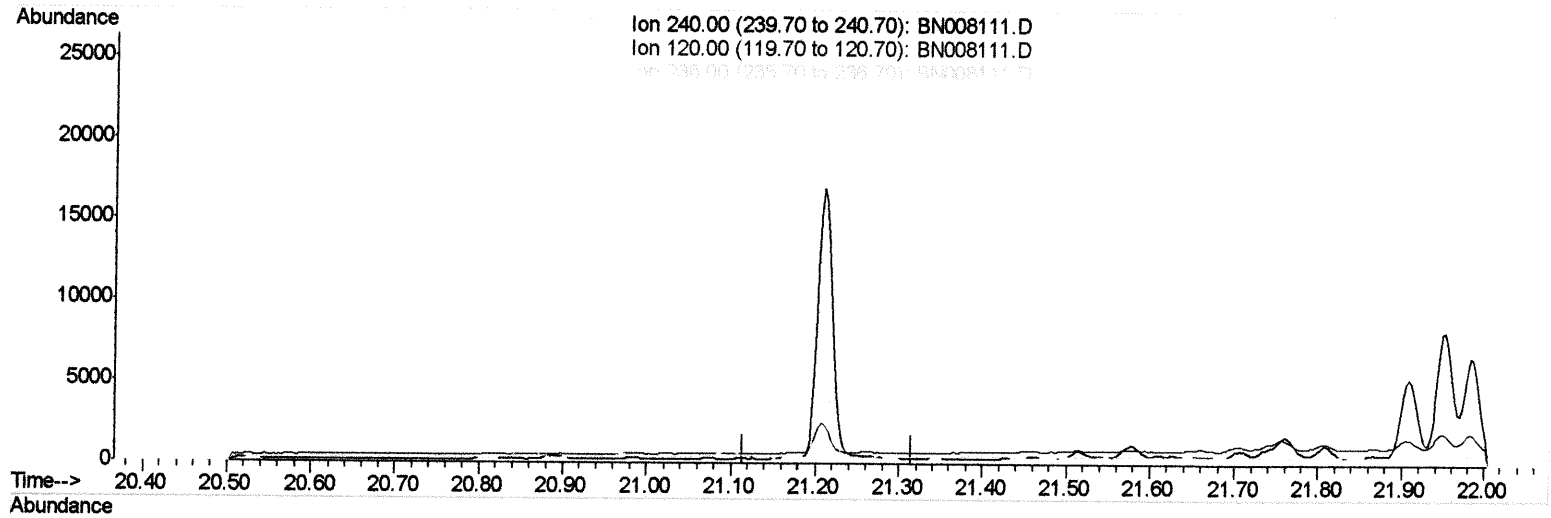
Quantitation Report (Qedit)

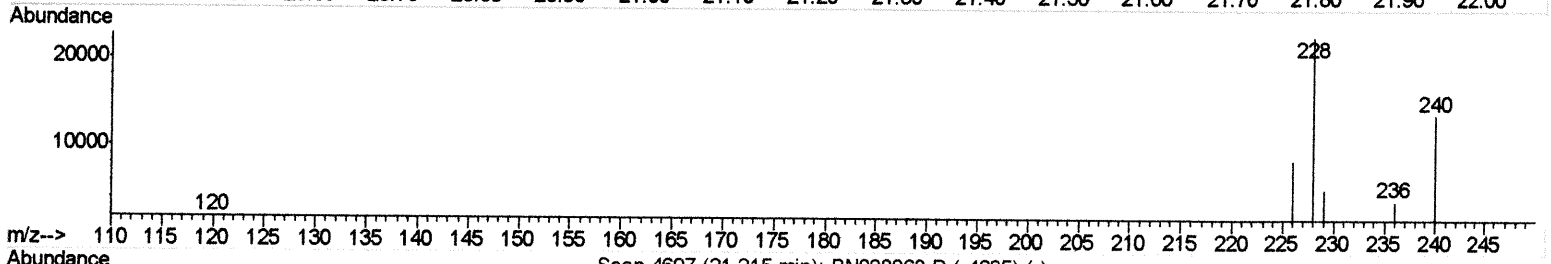
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

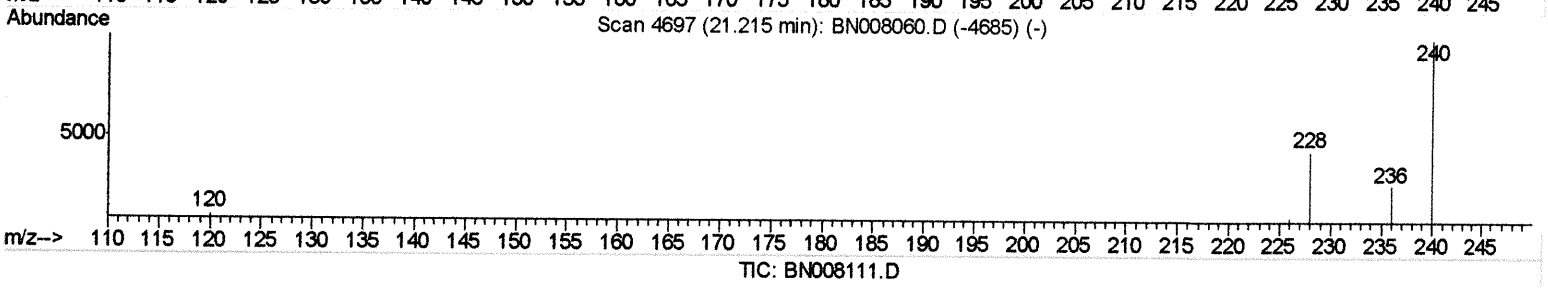
Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM







(16) Chrysene-d12 (I)

21.215min (-21.215) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.70	0.00#
236.00	28.40	0.00#
0.00	0.00	0.00

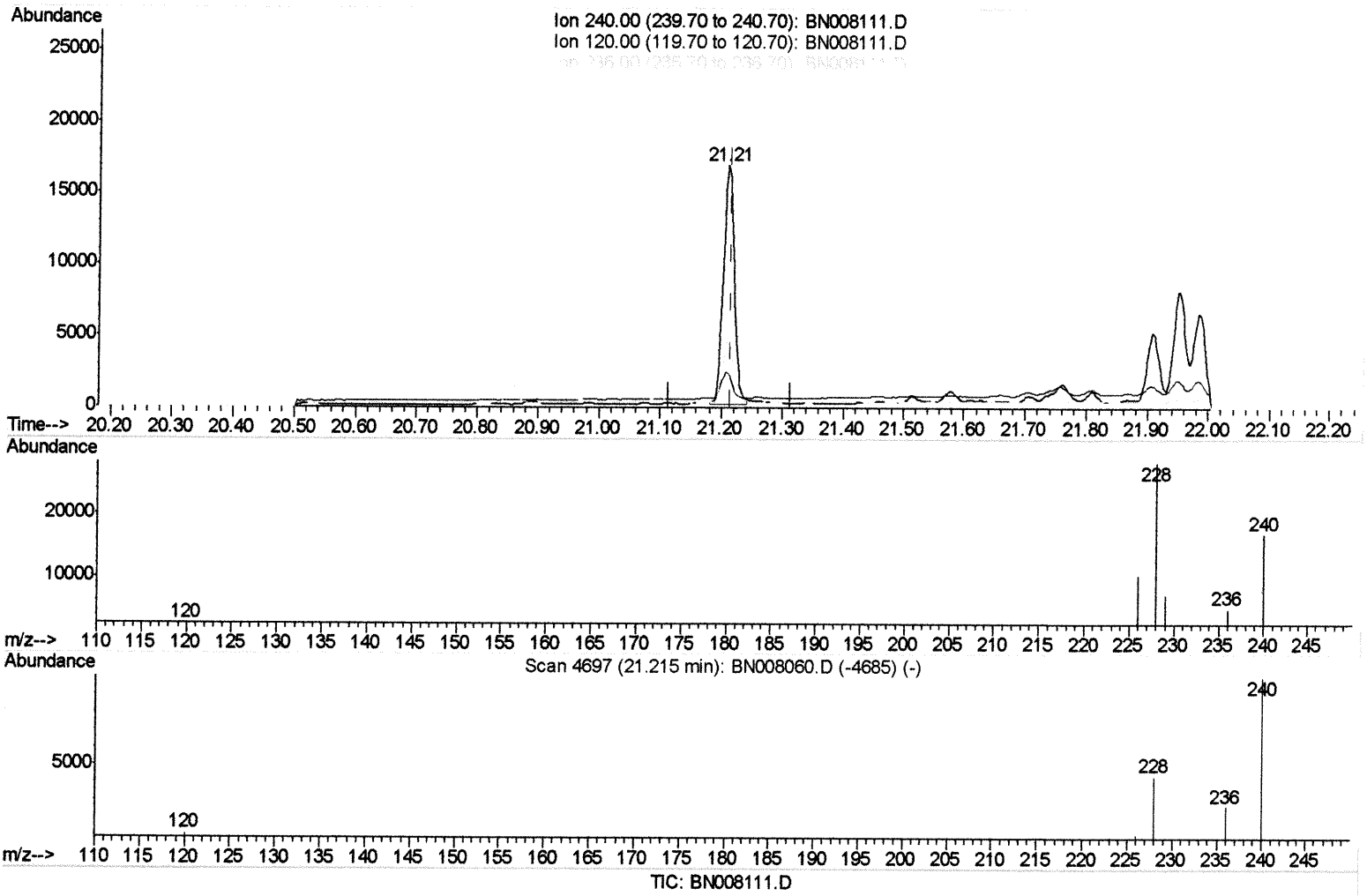
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:46:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM



TIC: BN008111.D

(16) Chrysene-d12 (I)

21.210min (-0.006) 0.40ng/ul m JE 10/16/19

response 20736

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.67
236.00	28.40	28.58
0.00	0.00	0.00

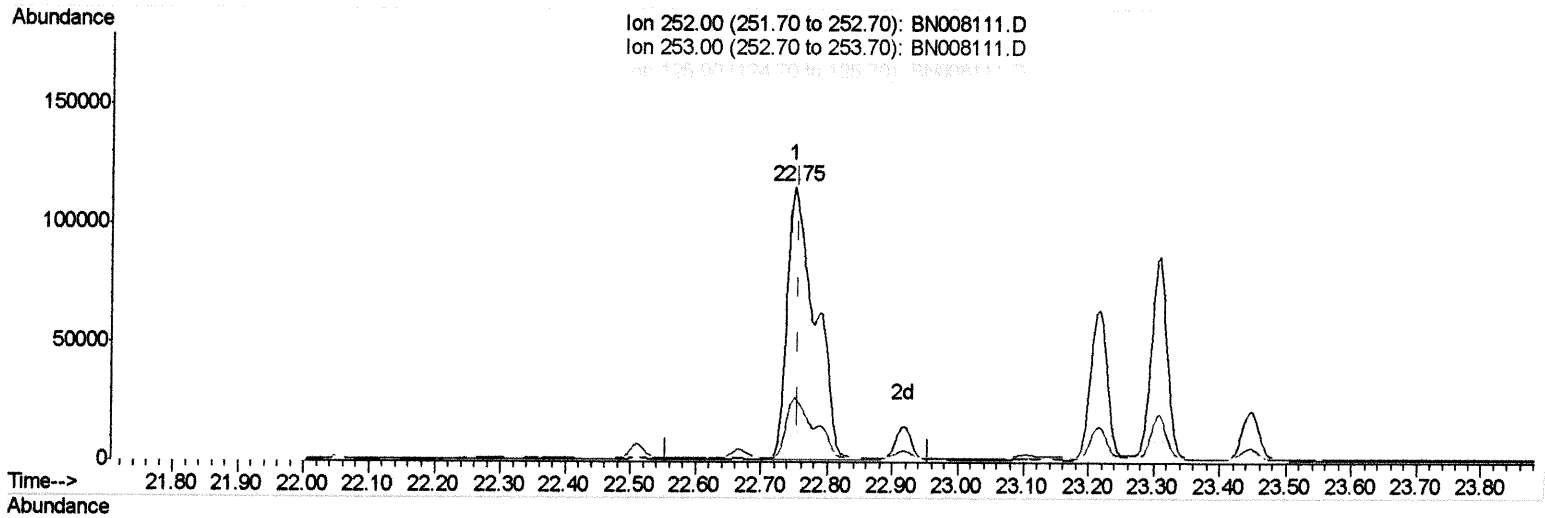
Quantitation Report (Qedit)

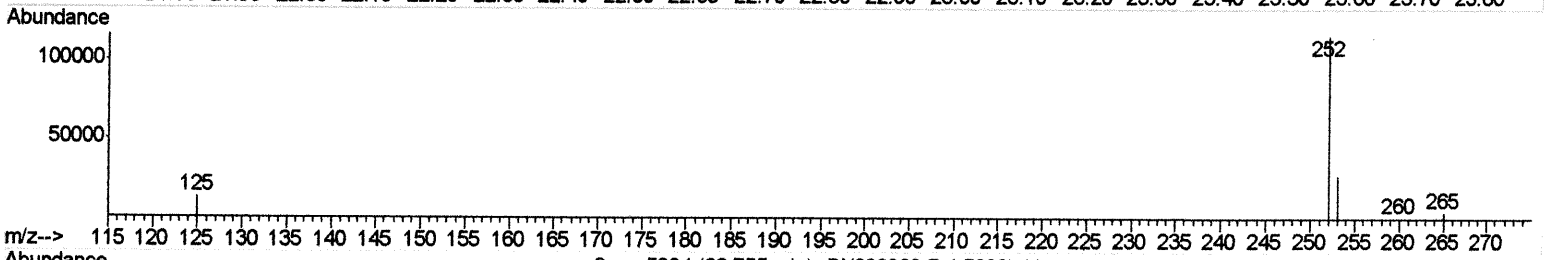
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

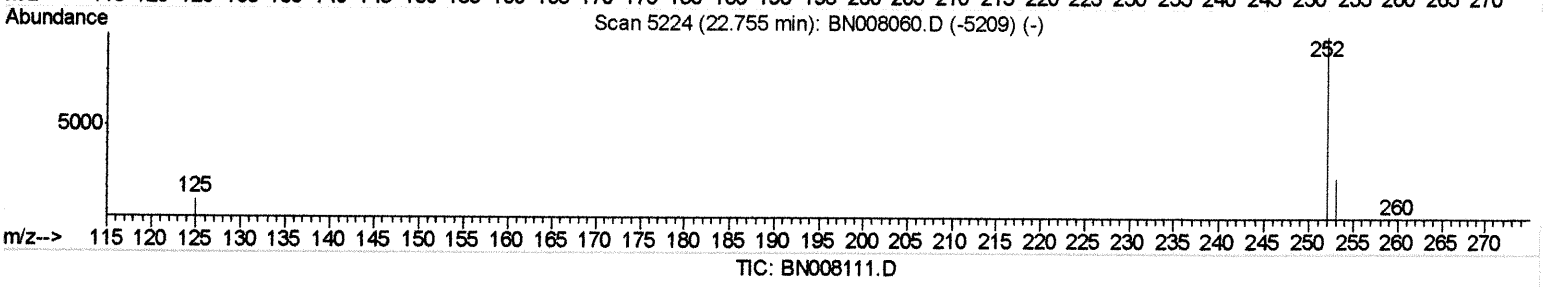
Quant Time: Oct 14 15:47:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM







(21) Benzo(b)fluoranthene

22.750min (-0.006) 5.59ng/ul

response 339816

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	23.68
125.00	16.20	10.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Oct 14 15:47:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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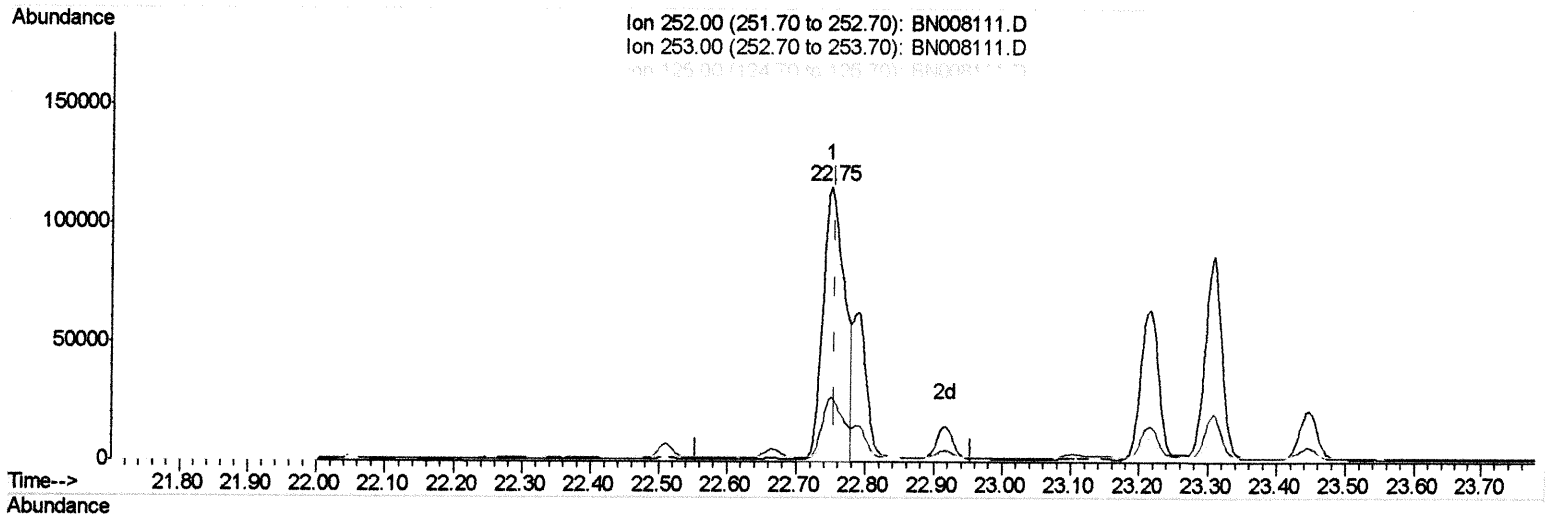
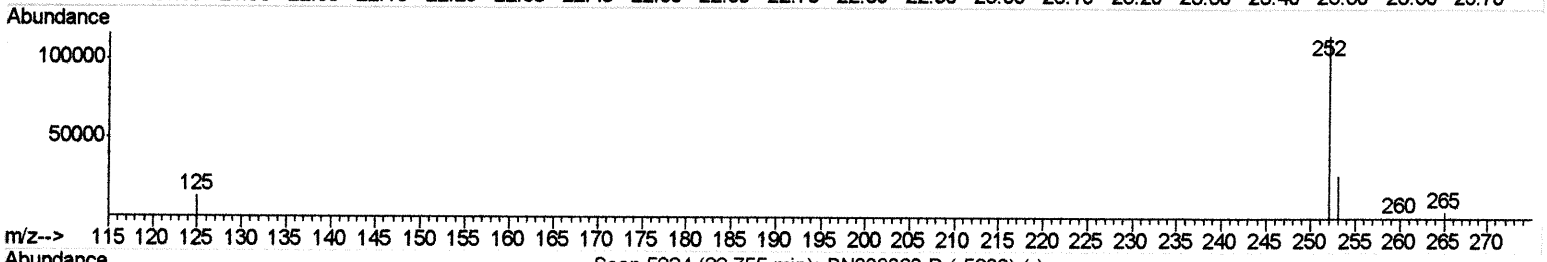
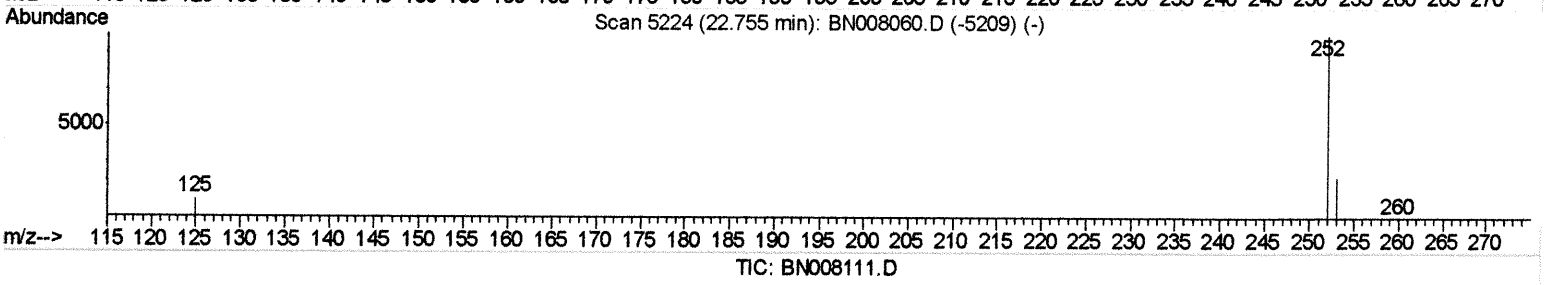
Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM







TIC: BN008111.D

(21) Benzo(b)fluoranthene

22.750min (-0.006) 4.20ng/ul m JU 10/16/19

response 255446

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	23.68
125.00	16.20	10.96
0.00	0.00	0.00

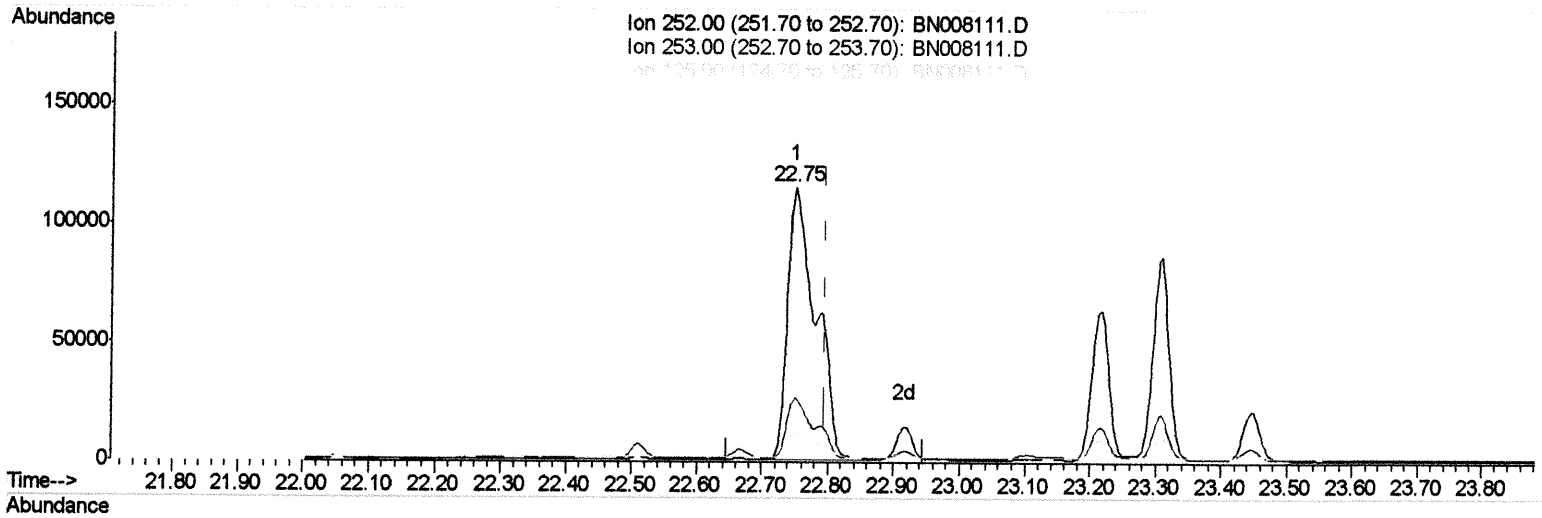
Quantitation Report (Qedit)

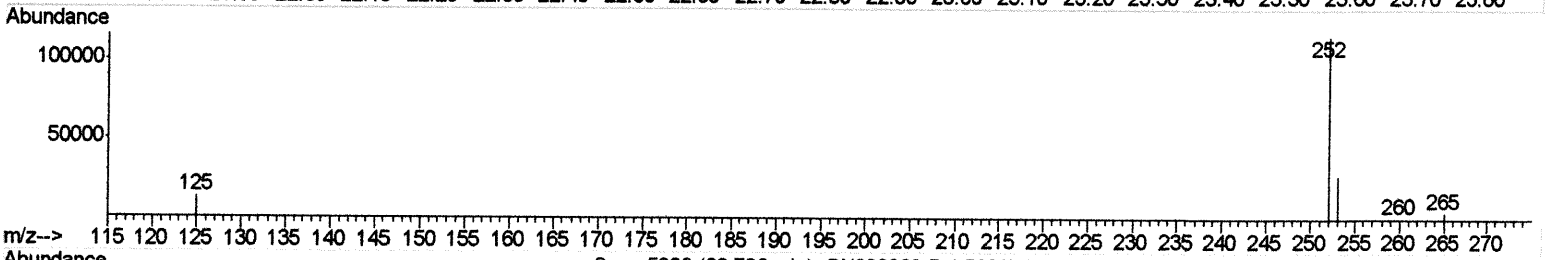
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

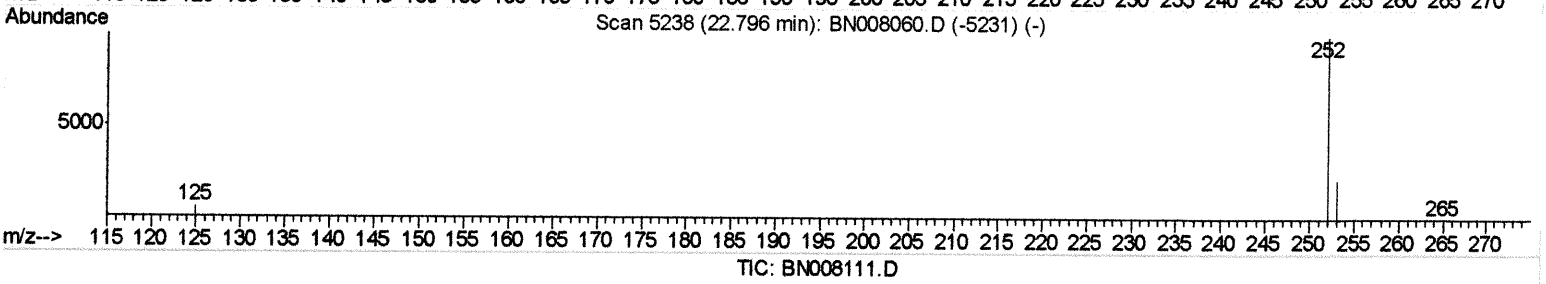
Quant Time: Oct 14 15:47:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM







(22) Benzo(k)fluoranthene

22.750min (-0.047) 4.93ng/ul

response 339816

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	23.68
125.00	15.40	10.96#
0.00	0.00	0.00

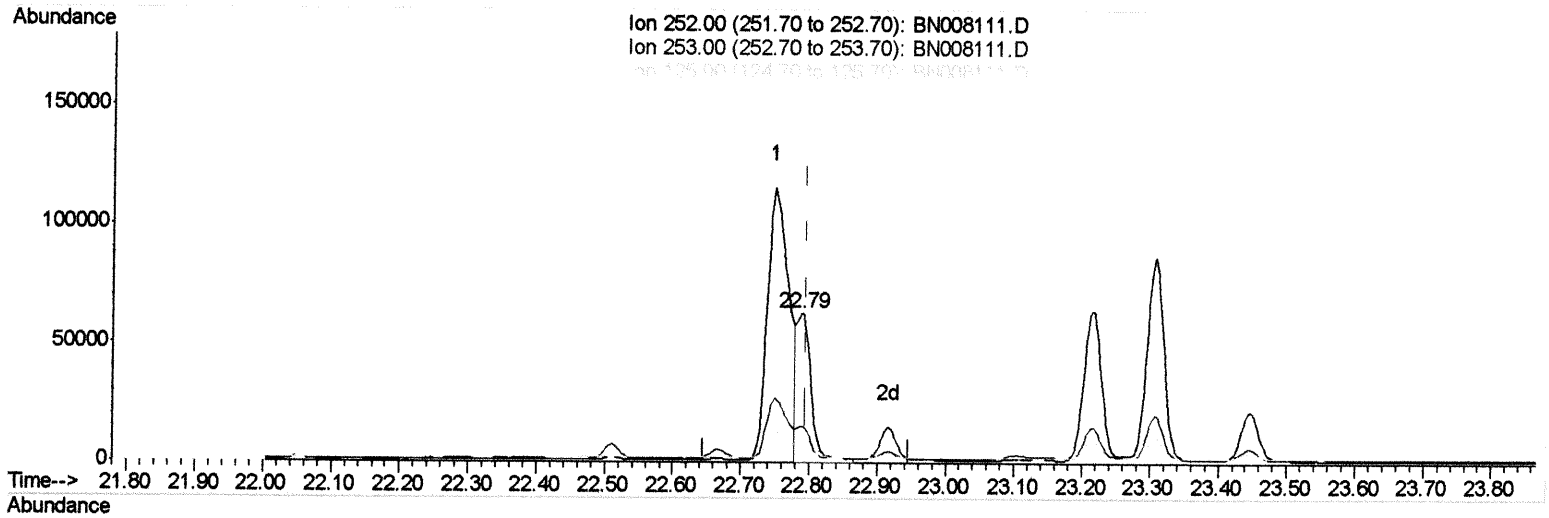
Quantitation Report (Qedit)

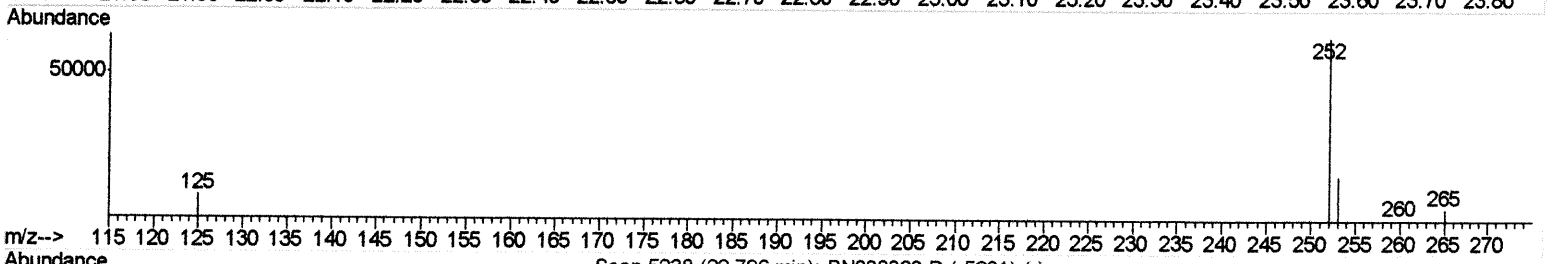
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

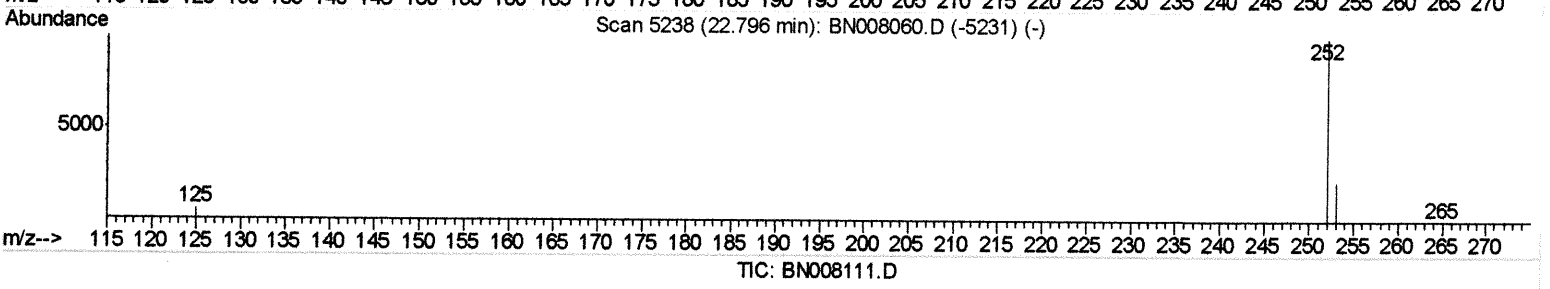
Quant Time: Oct 14 15:47:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM







(22) Benzo(k)fluoranthene

22.788min (-0.009) 1.36ng/ul m JU 10/16/19

response 93369

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	24.53
125.00	15.40	12.83
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN101119\
Data File : BN008111.D
Acq On : 12 Oct 2019 14:10
Operator : JU
Sample : K5178-02
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPD1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:39 AM

Quant Time: Oct 14 15:48:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	2968	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	14351	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.26	164	9211	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	21416m	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	20736m	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	18673	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	4621	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	15766m	0.21	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.44	128	849	0.021	ng/ul#	74
5) 2-Methylnaphthalene	12.07	142	587	0.021	ng/ul	99
7) Acenaphthylene	13.98	152	3743	0.085	ng/ul#	93
8) Acenaphthene	14.32	153	2032	0.060	ng/ul	97
9) Fluorene	15.31	166	2771	0.072	ng/ul#	97
12) Phenanthrene	17.05	178	119153m	1.900	ng/ul	
13) Anthracene	17.14	178	13559m	0.246	ng/ul	
15) Fluoranthene	19.07	202	442565m	5.344	ng/ul	
17) Pyrene	19.44	202	350596	4.246	ng/ul	100
18) Benzo(a)anthracene	21.20	228	164407	2.181	ng/ul	99
19) Chrysene	21.24	228	205012	2.216	ng/ul	99
21) Benzo(b)fluoranthene	22.75	252	255446m	4.202	ng/ul	
22) Benzo(k)fluoranthene	22.79	252	93369m	1.356	ng/ul	
23) Benzo(a)pyrene	23.31	252	147521	2.306	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	25.58	276	106010	1.407	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.58	278	20791	0.349	ng/ul#	91
26) Benzo(g,h,i)perylene	26.24	276	103145	1.493	ng/ul	99

JU 10/16/19

JU 10/16/19

JU 10/16/19

JU 10/16/19

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