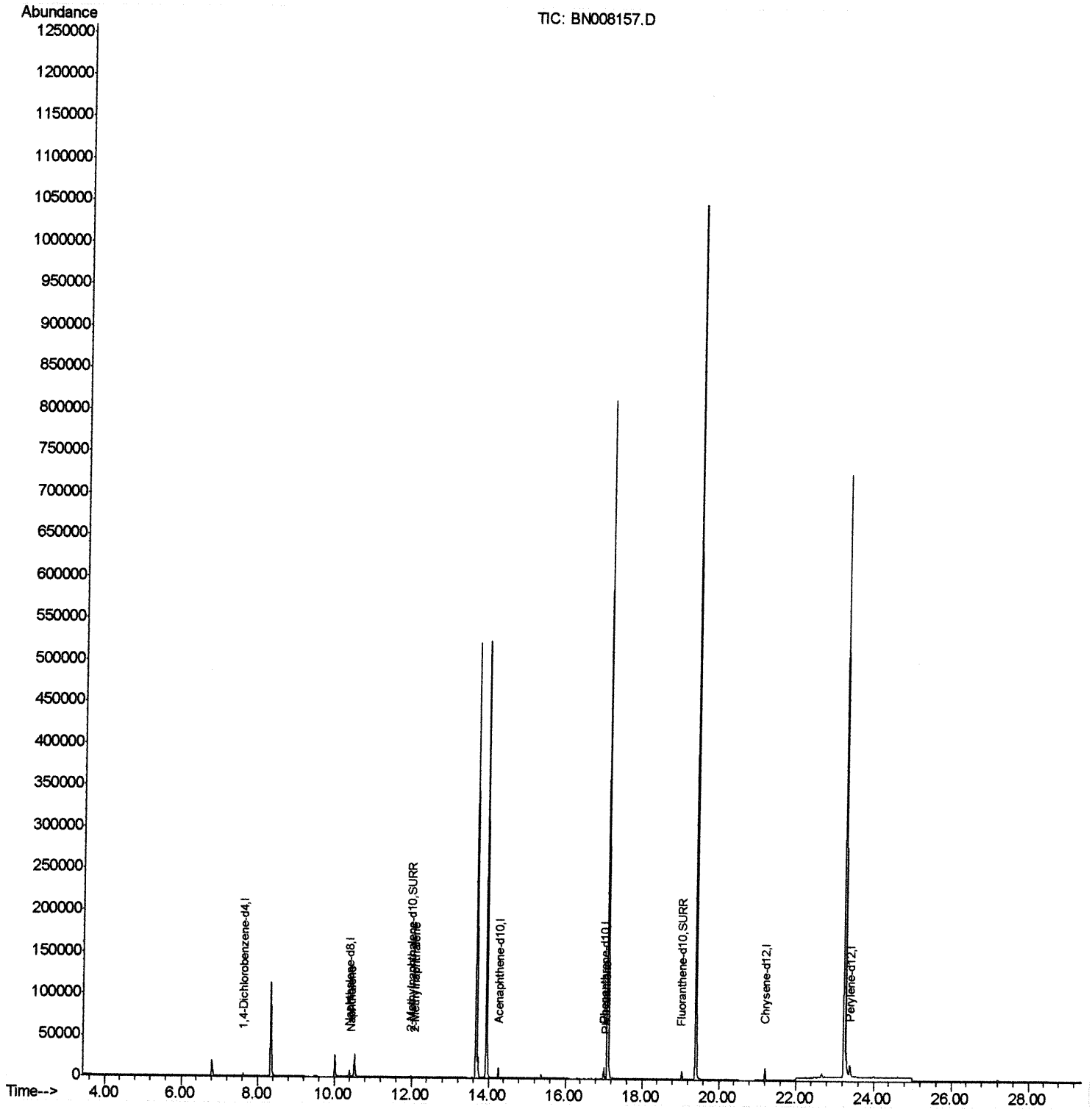
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 06:57:06 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 : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM

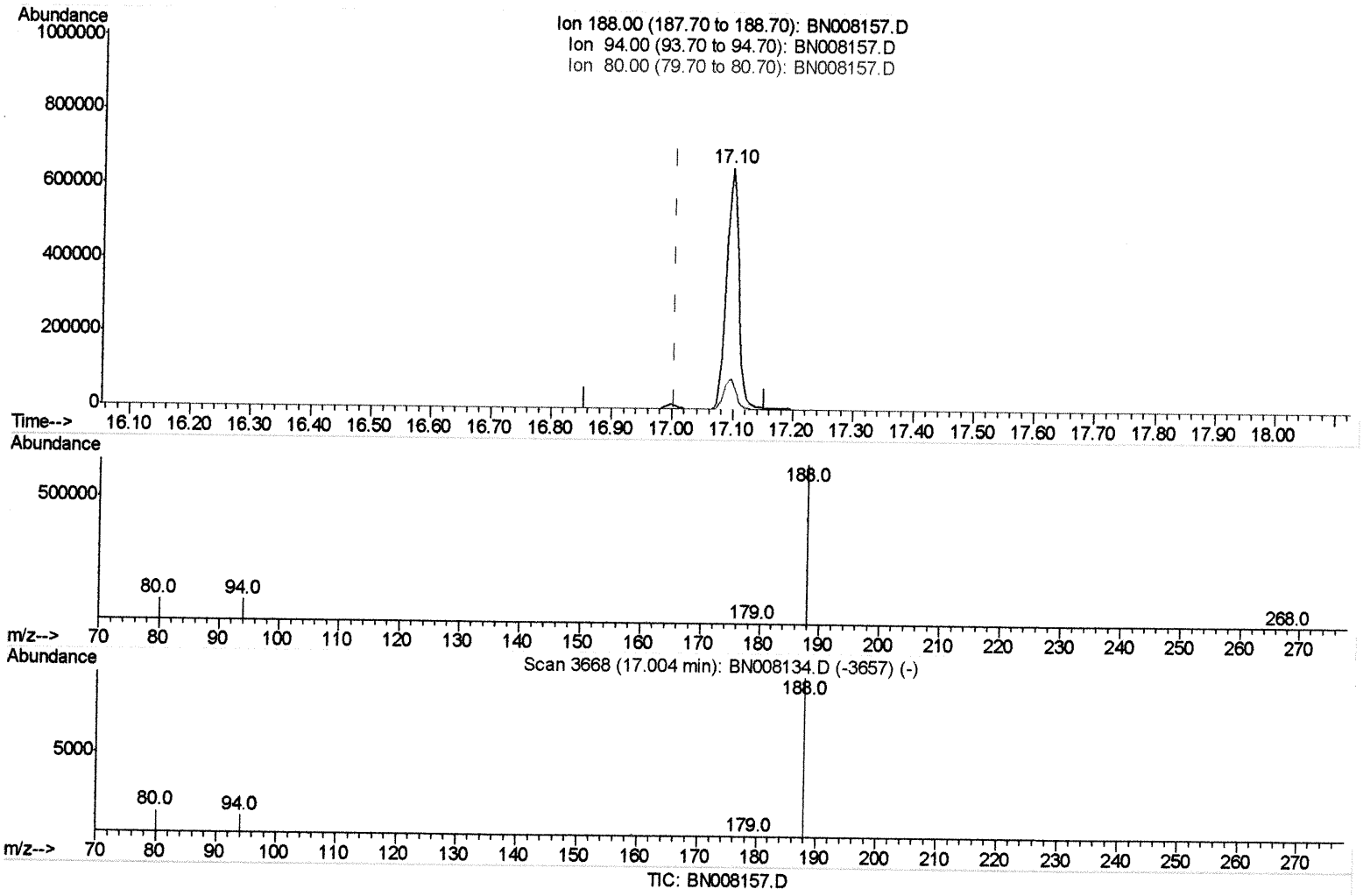


Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 06:51:20 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 : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM



(10) Phenanthrene-d10 (I)

17.097min (+0.093) 0.40ng/ul

response 910187

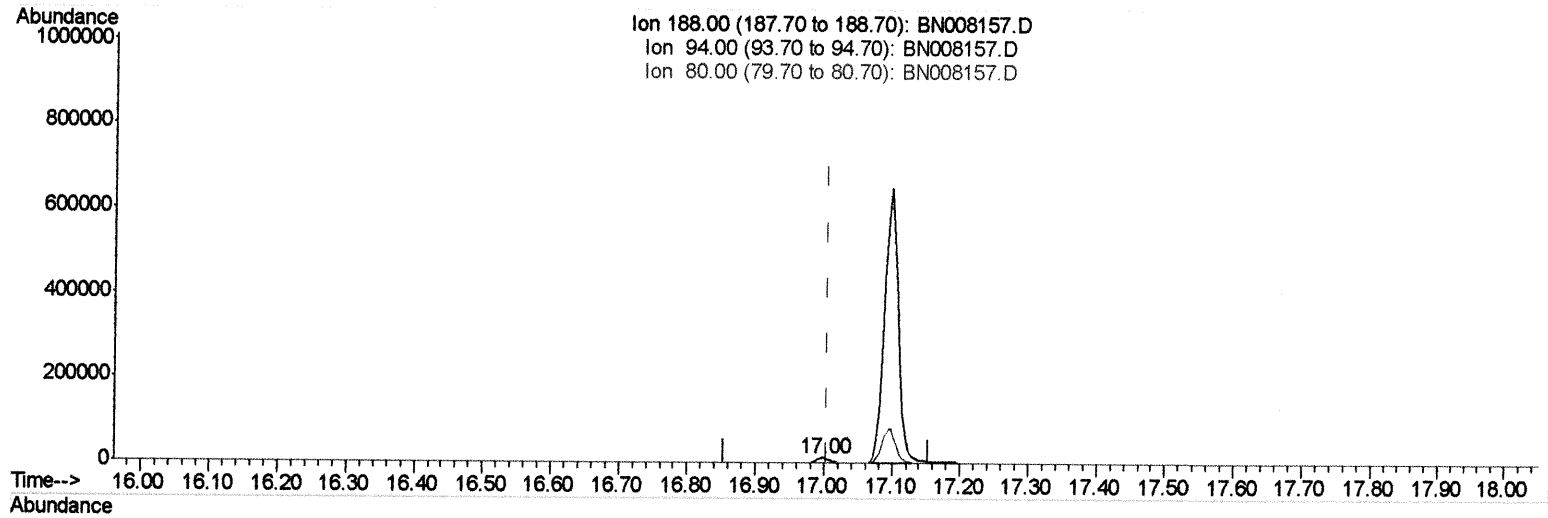
Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.65
80.00	12.60	12.35
0.00	0.00	0.00

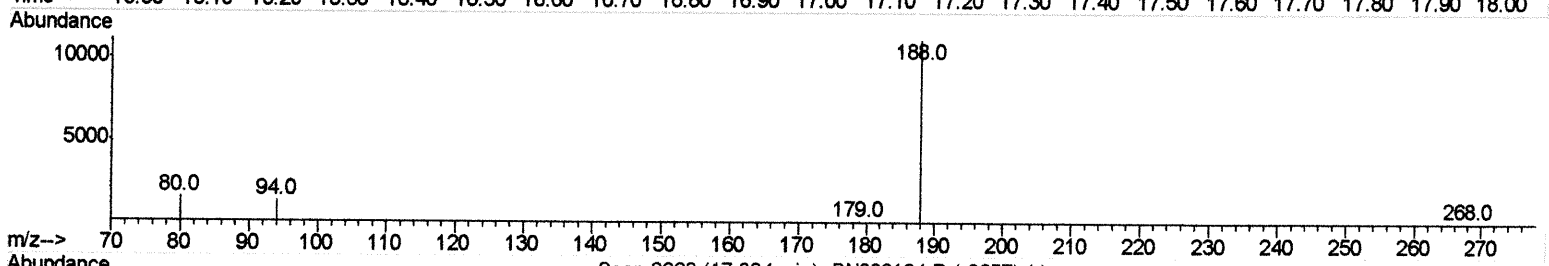
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

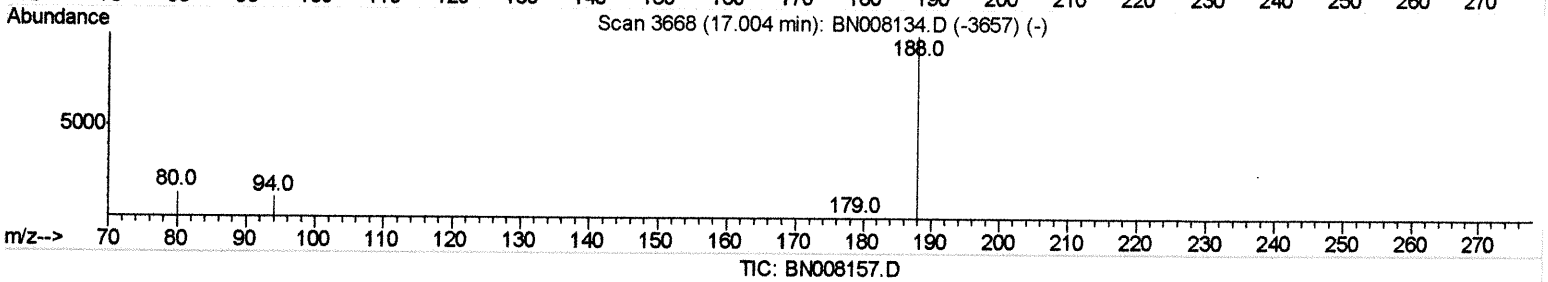
Quant Time: Oct 15 06:51:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM







TIC: BN008157.D

(10) Phenanthrene-d10 (I)

17.000min (-0.004) 0.40ng/ul m JU 10/16/19

response 16307

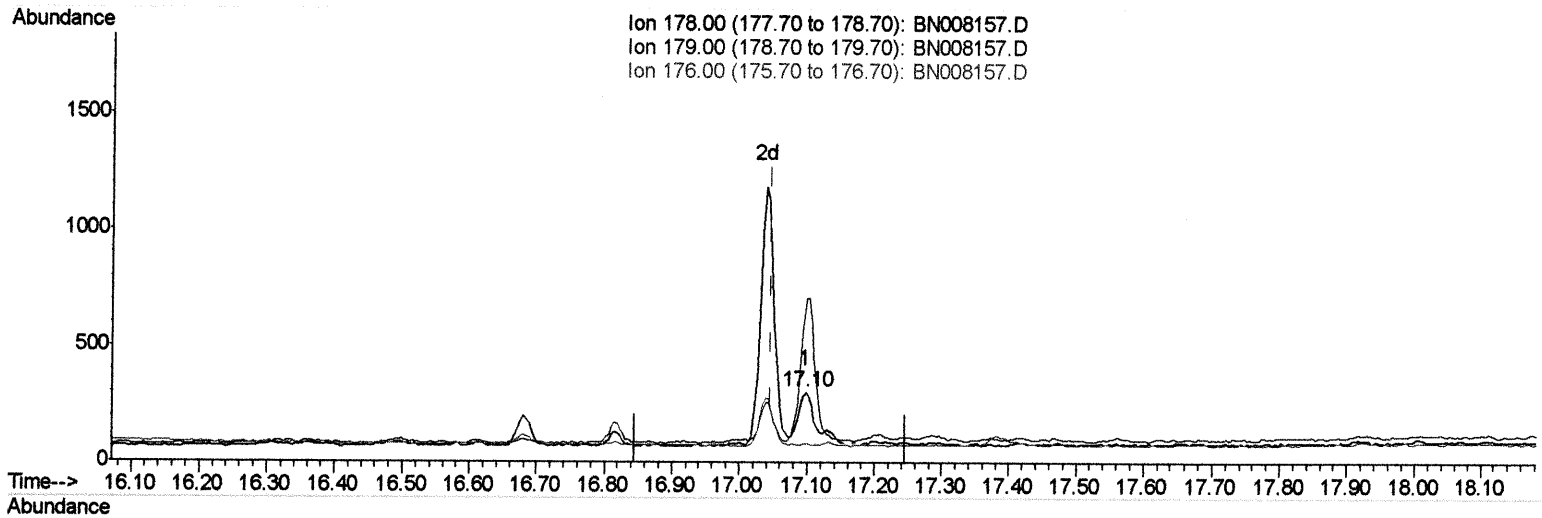
Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.20
80.00	12.60	13.21
0.00	0.00	0.00

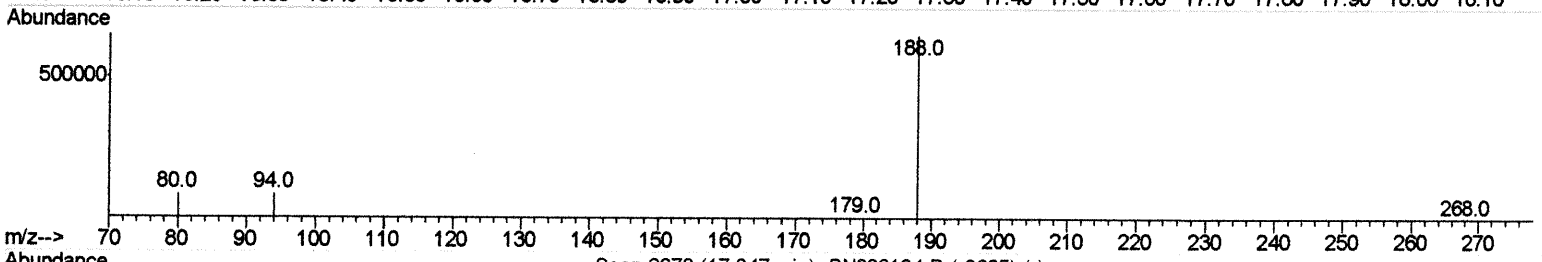
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

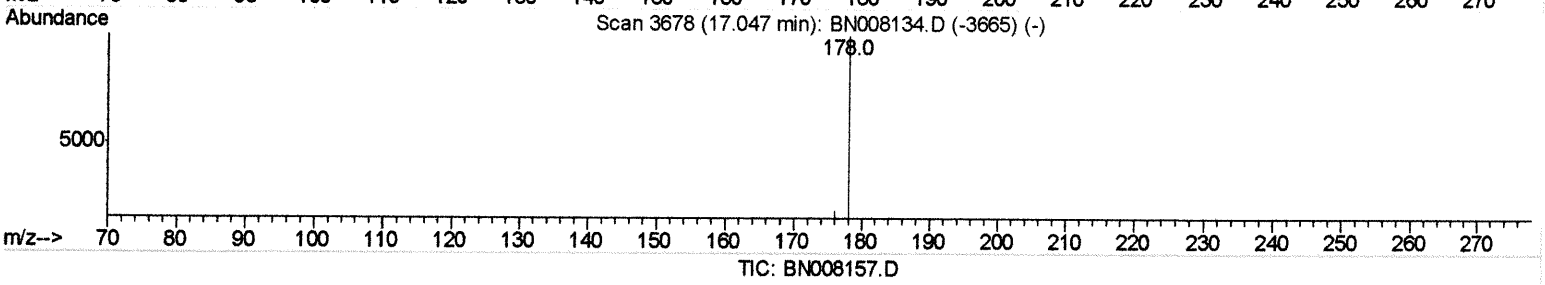
Quant Time: Oct 15 06:55:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM







TIC: BN008157.D

(12) Phenanthrene

17.097min (+0.050) 0.01ng/ul

response 415

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	232.78#
176.00	19.30	26.49#
0.00	0.00	0.00

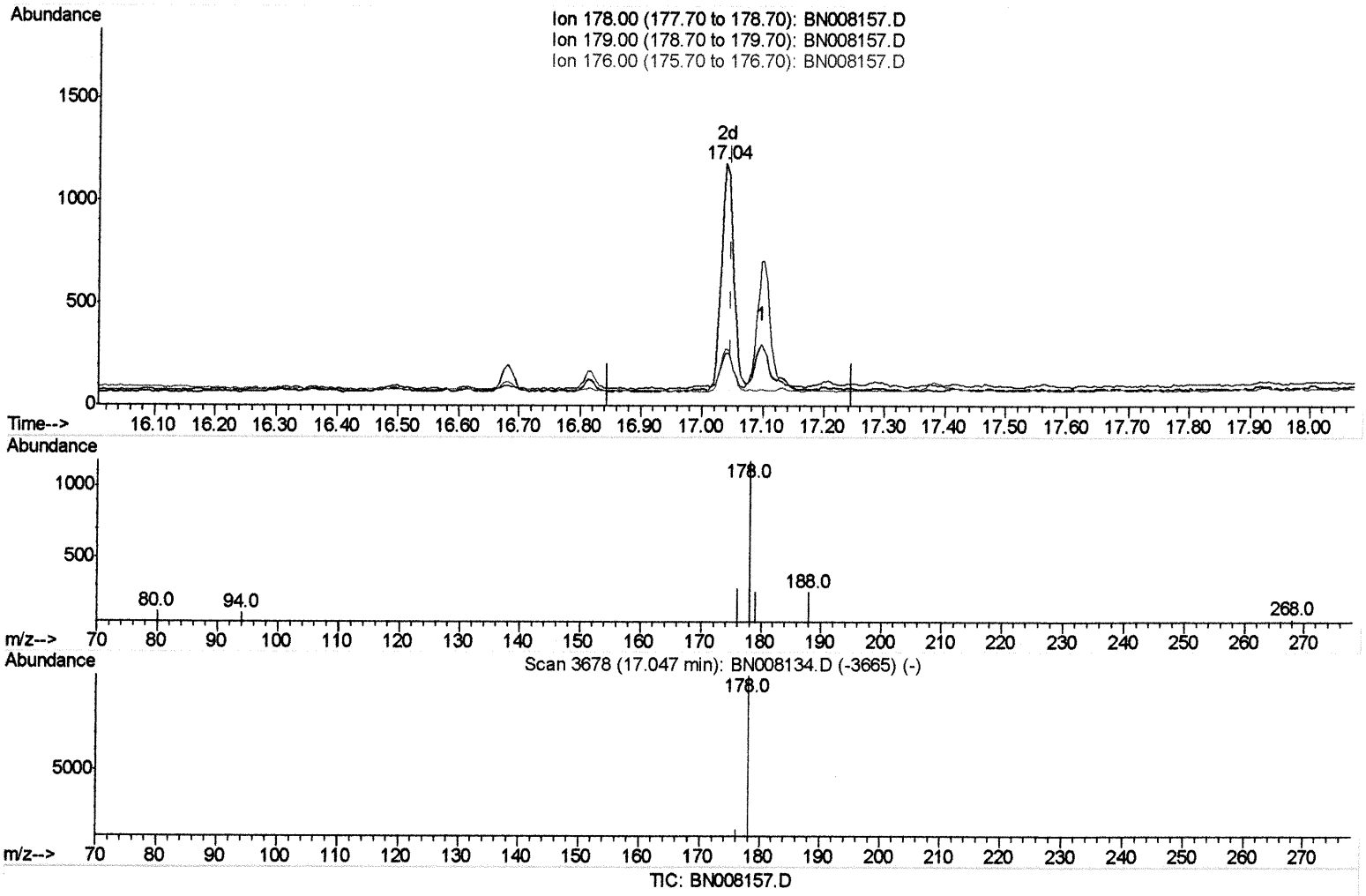
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 06:55:09 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 : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM



(12) Phenanthrene

17.038min (-0.009) 0.03ng/ul m JU 10/16/19

response 1559

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	21.68#
176.00	19.30	23.54#
0.00	0.00	0.00

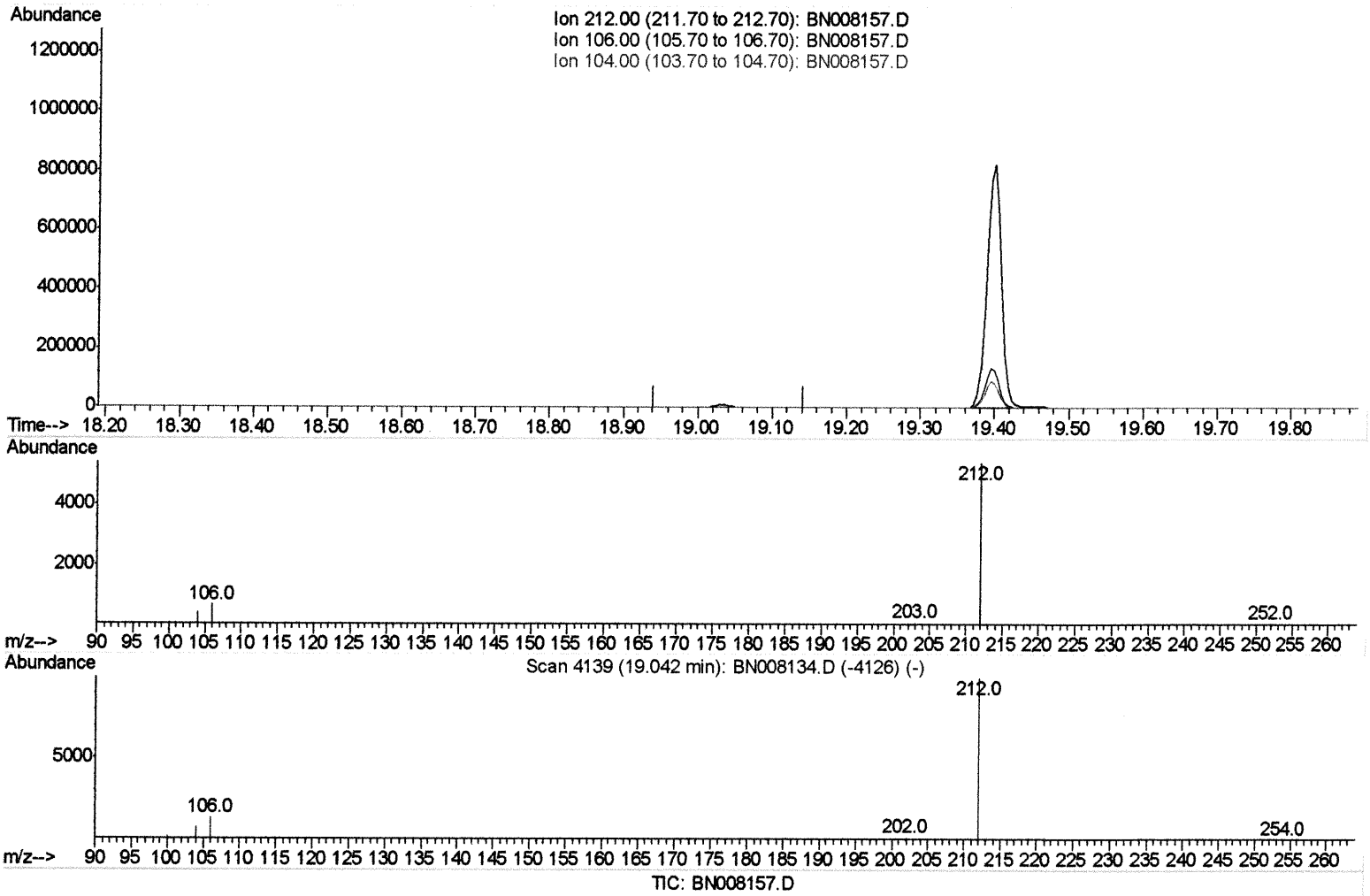
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 06:55:09 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 : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM



(14) Fluoranthene-d10 (SURR)

19.042min (-19.042) 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

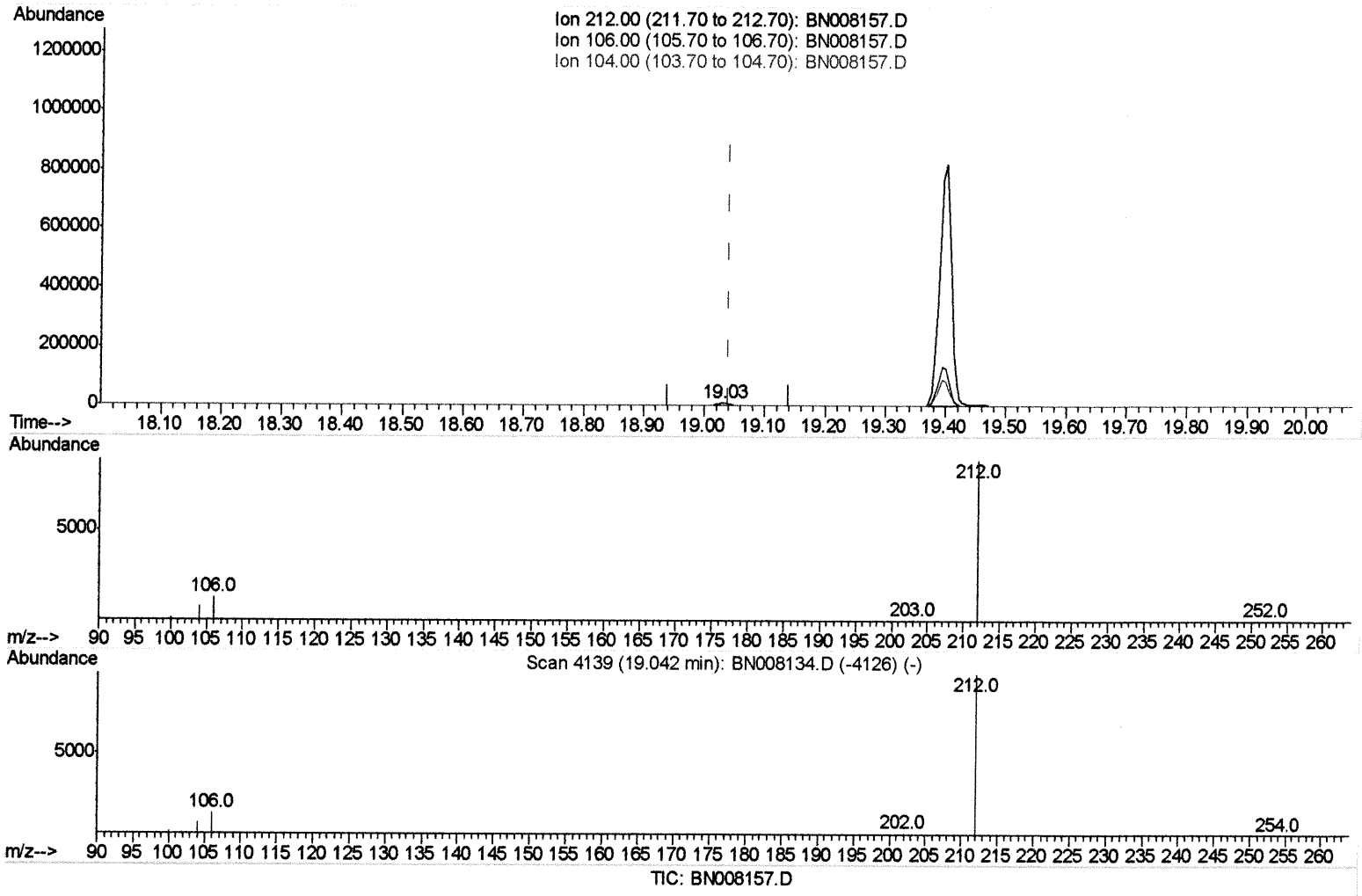
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 06:55:09 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 : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM



TIC: BN008157.D

(14) Fluoranthene-d10 (SURR)

19.032min (-0.009) 0.22ng/ul m JL 10/16/19

response 12130

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

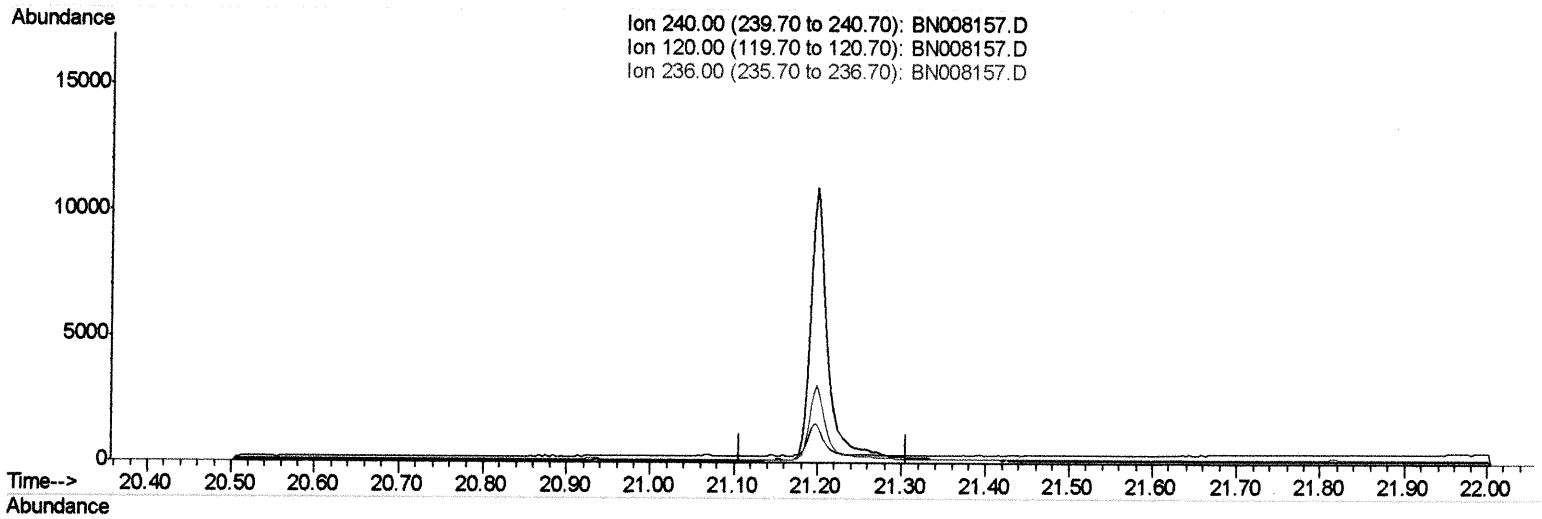
Quantitation Report (Qedit)

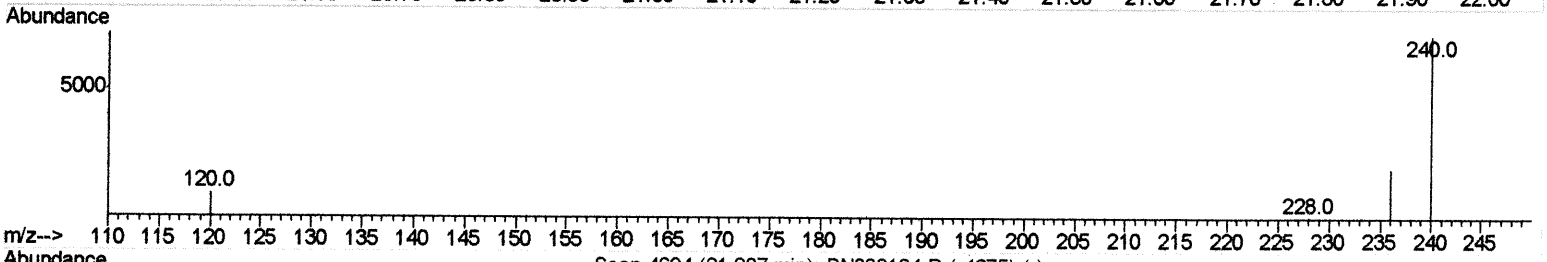
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Oct 15 06:55:09 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 : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

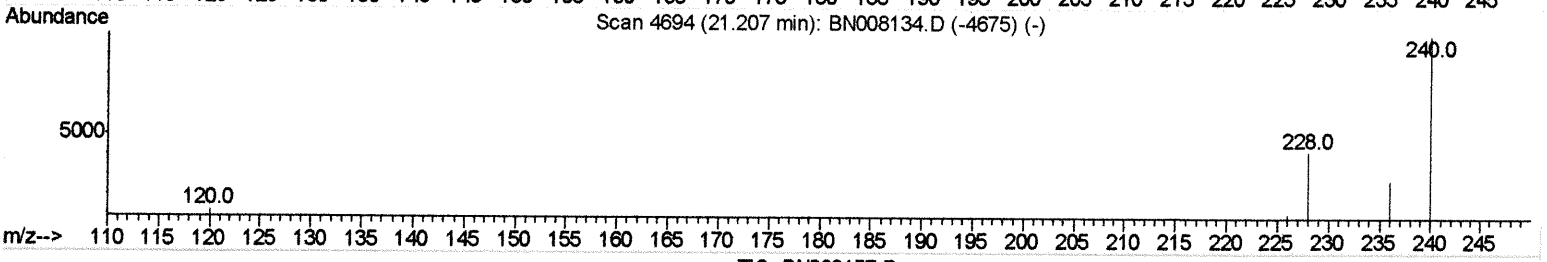
Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM





Scan 4694 (21.207 min): BN008134.D (-4675) (-)



TIC: BN008157.D

(16) Chrysene-d12 (I)

21.207min (-21.207) 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

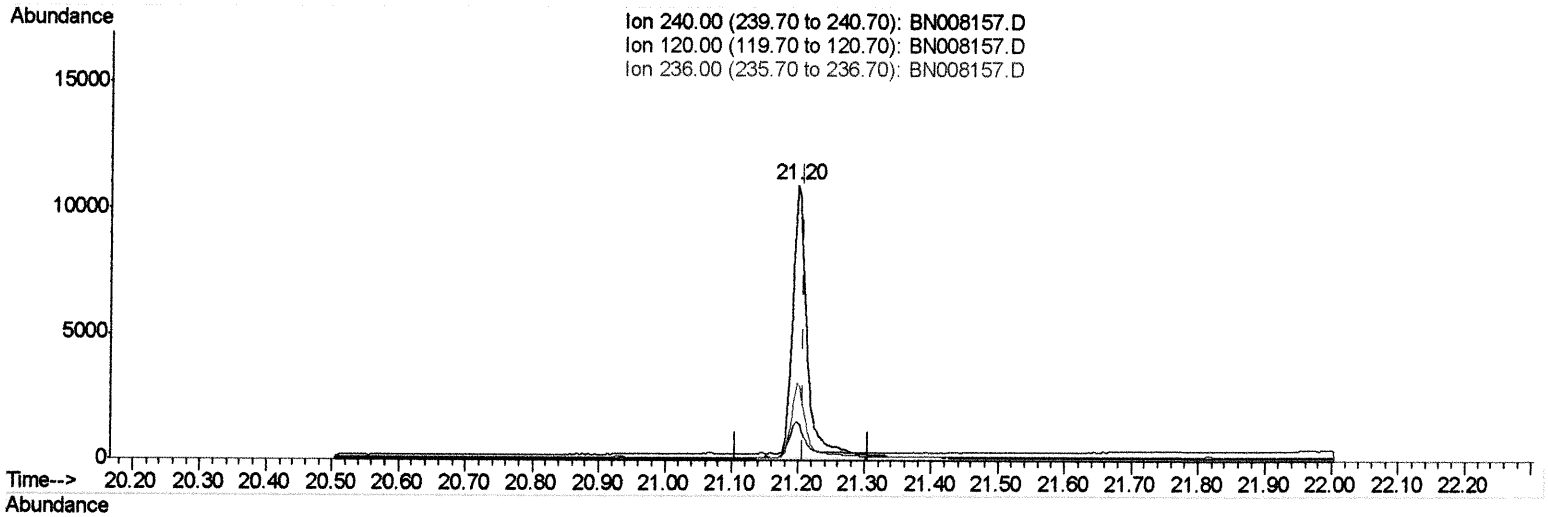
Quantitation Report (Qedit)

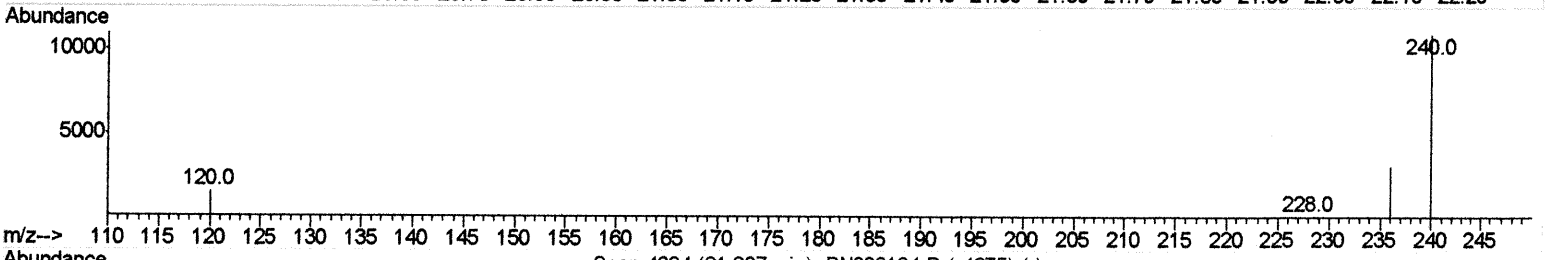
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

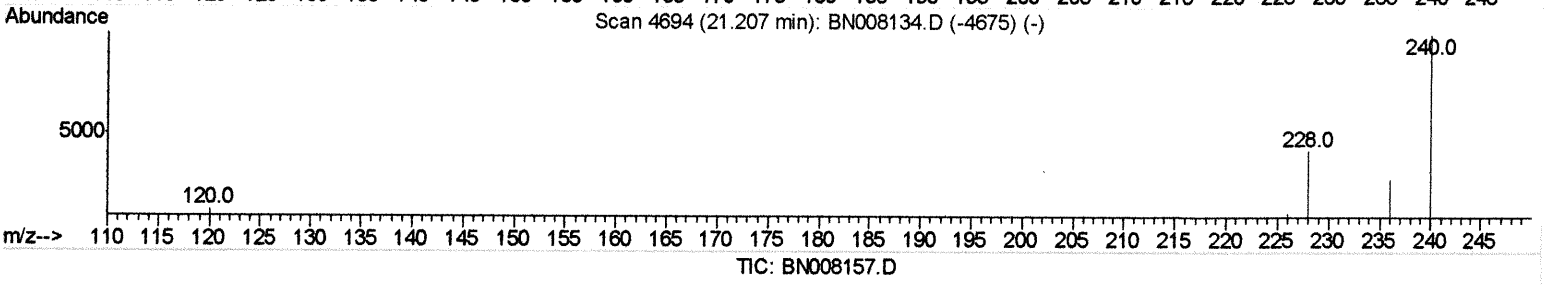
Quant Time: Oct 15 06:55:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM







TIC: BN008157.D

(16) Chrysene-d12 (I)

21.198min (-0.009) 0.40ng/ul m JU 10/16/19

response 16617

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.07
236.00	28.40	28.15
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008157.D
Acq On : 15 Oct 2019 05:21
Operator : JU
Sample : K5097-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLME4

Manual Integrations APPROVED
mohammad
10/15/2019 1:30:46 PM

Quant Time: Oct 15 06:57:06 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 : Tue Oct 15 05:17:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2089	0.40	ng/ul	0.00
2) Naphthalene-d8	10.38	136	10654	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	7110	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	16307m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	16617m	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	17658	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3977	0.22	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	12130m	0.22	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.43	128	1194	0.039	ng/ul#	82
5) 2-Methylnaphthalene	12.06	142	1298	0.062	ng/ul	99
12) Phenanthrene	17.04	178	1559m	0.033	ng/ul	

JU 10/16/19

JU 10/16/19

JU 10/16/19

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