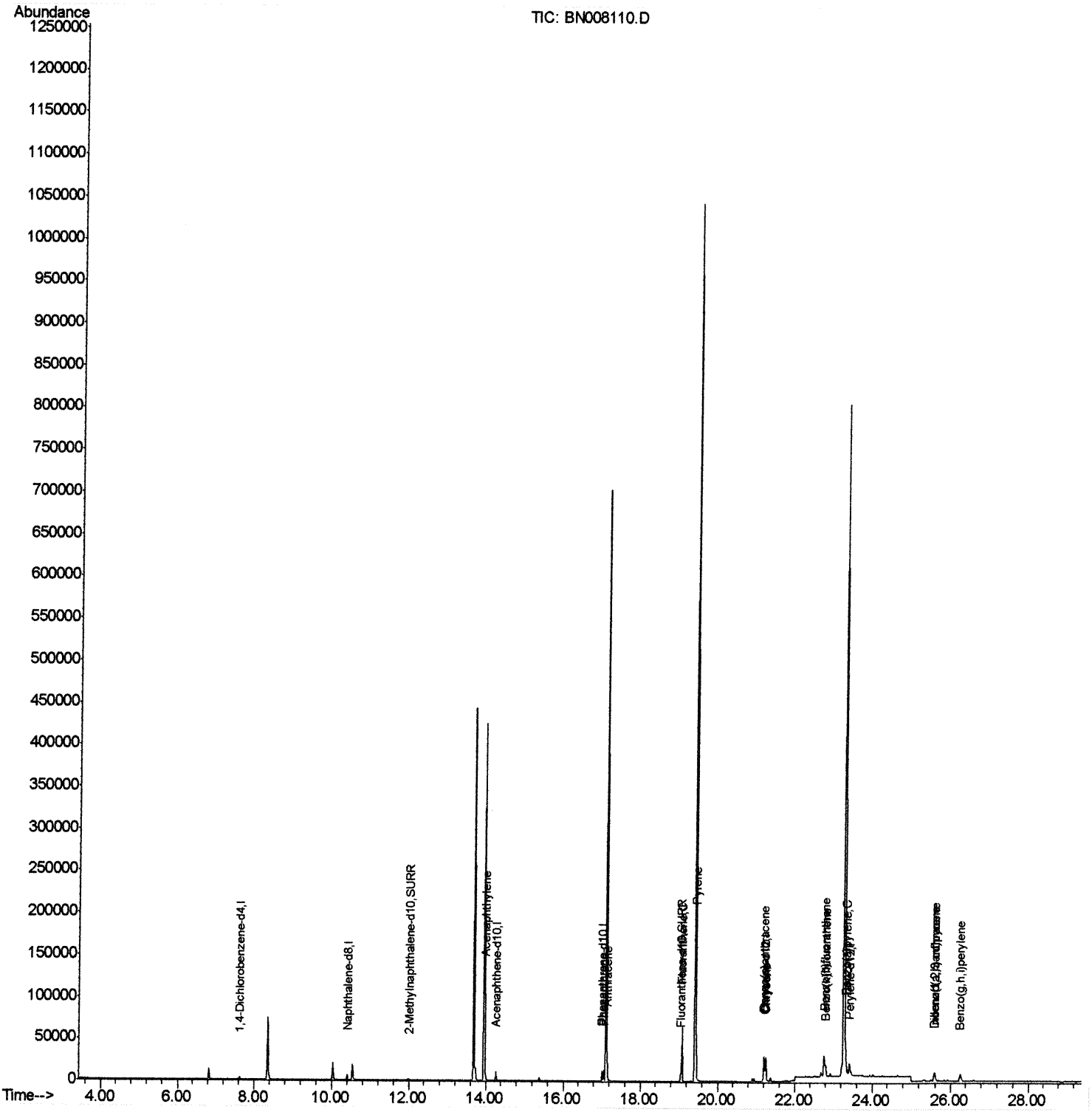
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 13 03:12:04 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 :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM



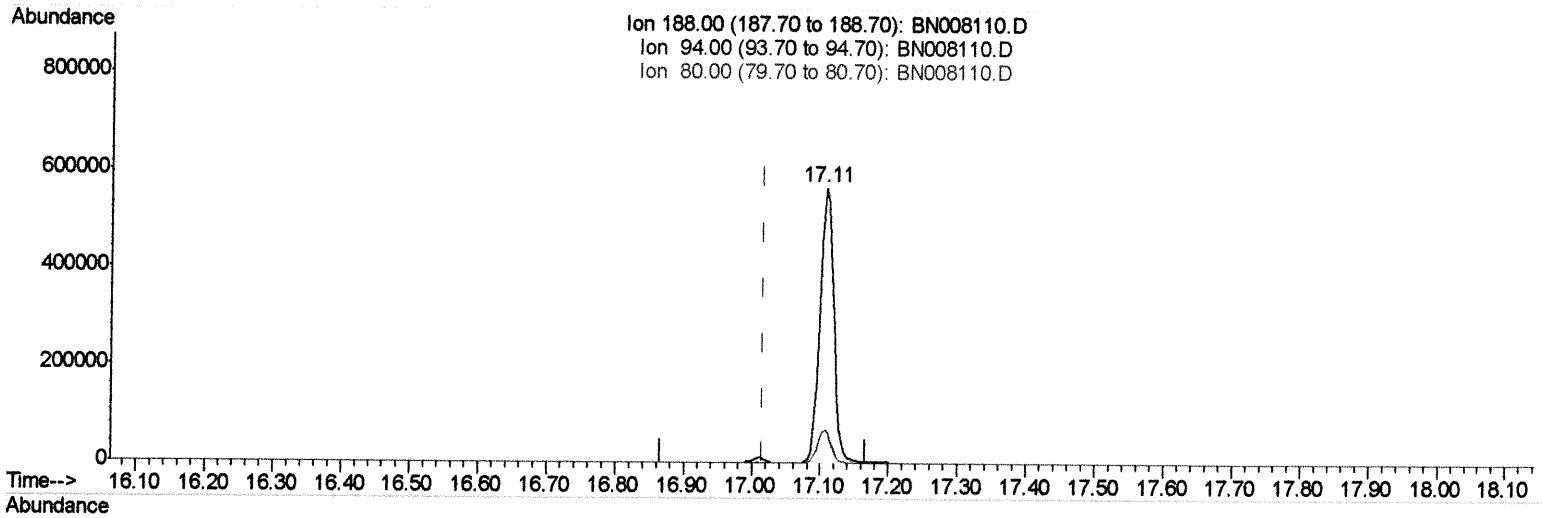
Quantitation Report (Qedit)

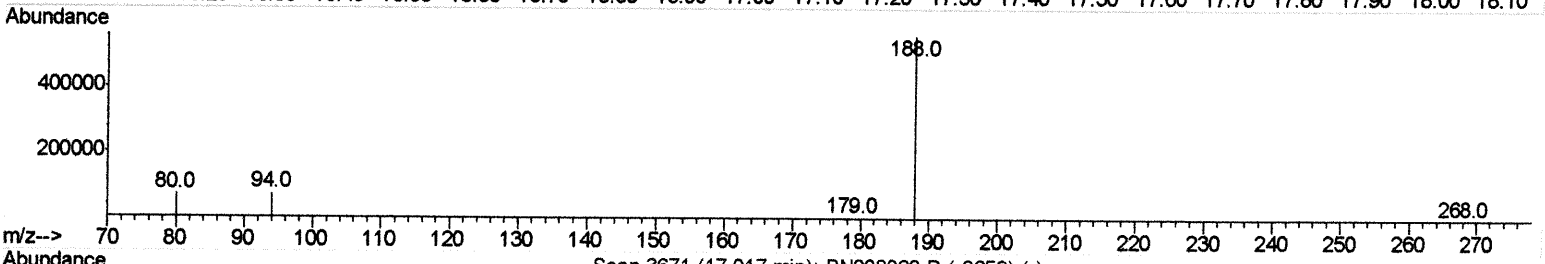
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

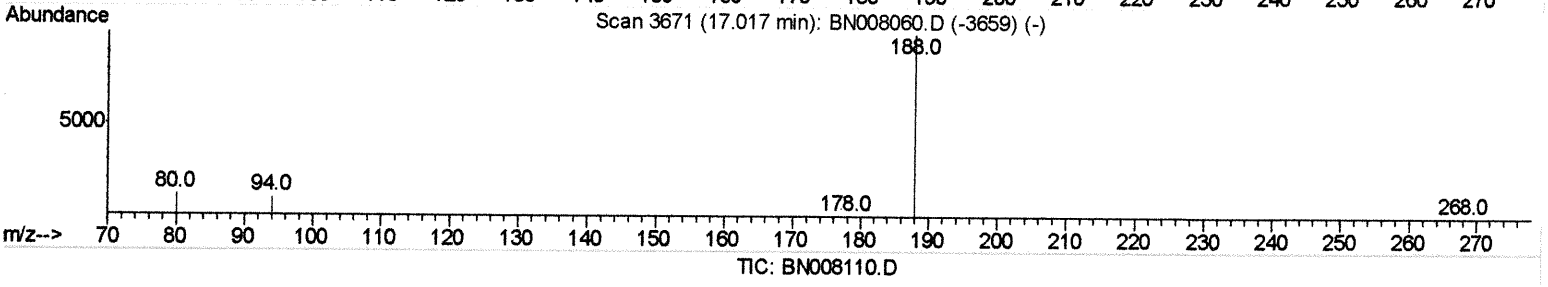
Quant Time: Oct 12 21:40:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM







TIC: BN008110.D

(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 781859

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.49
80.00	12.60	12.14
0.00	0.00	0.00

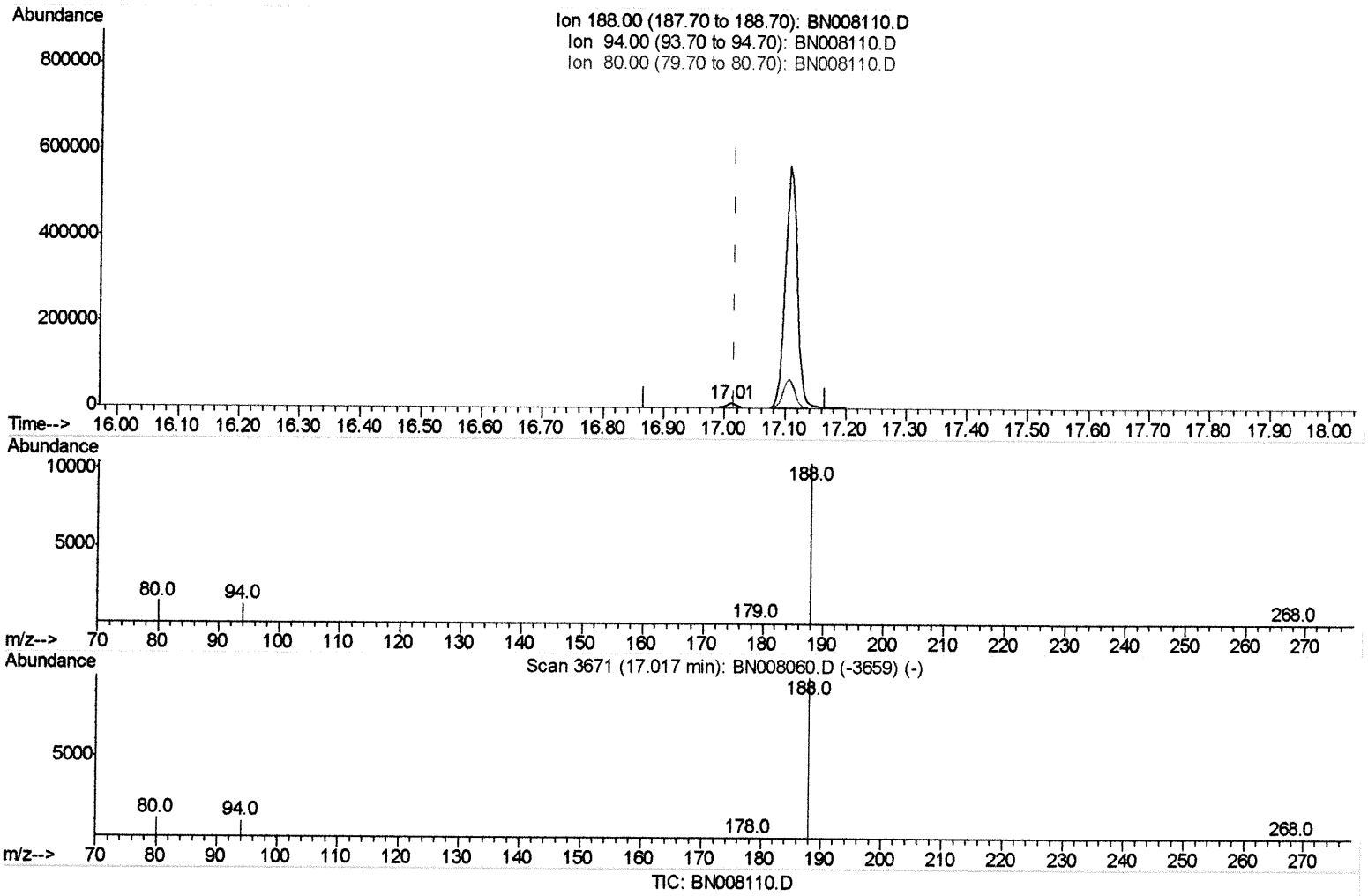
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 12 21:40:36 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 :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM



(10) Phenanthrene-d10 (I)

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

response 14379

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	11.52
80.00	12.60	13.40
0.00	0.00	0.00

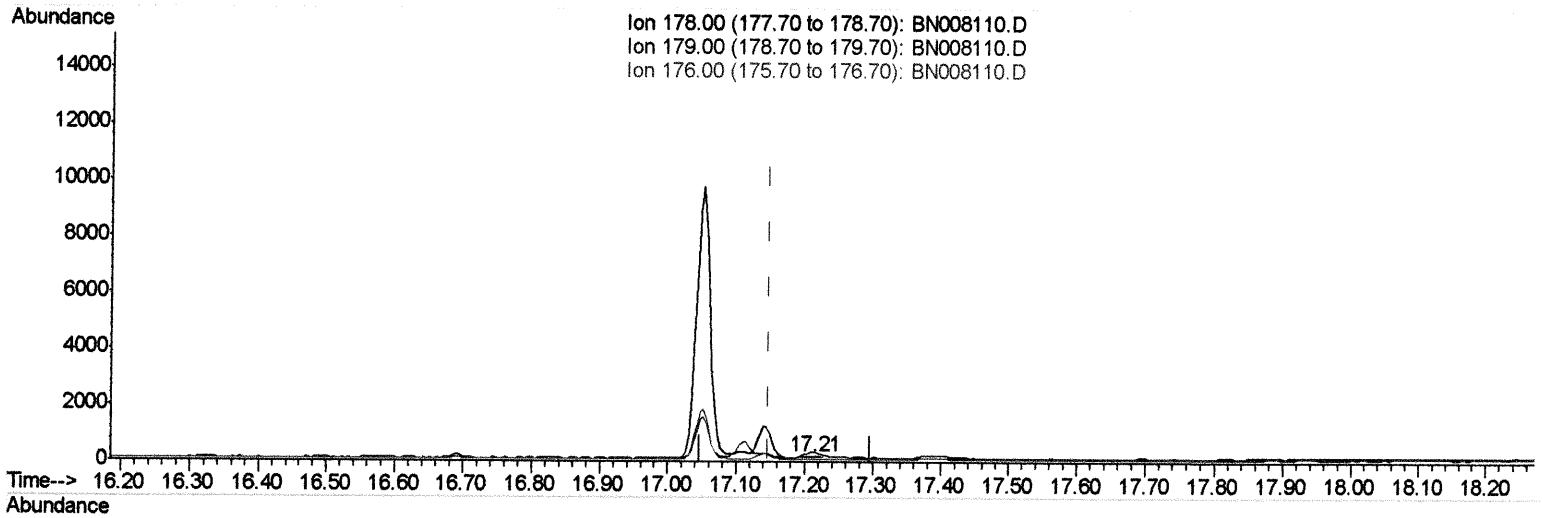
Quantitation Report (Qedit)

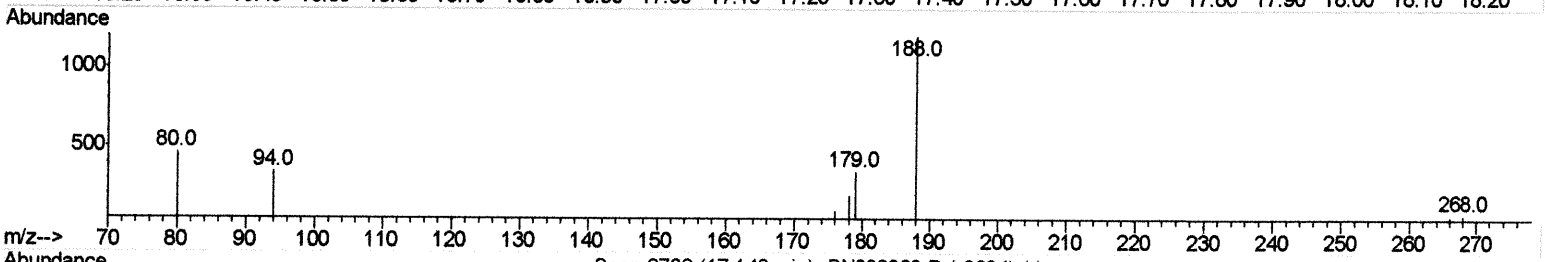
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

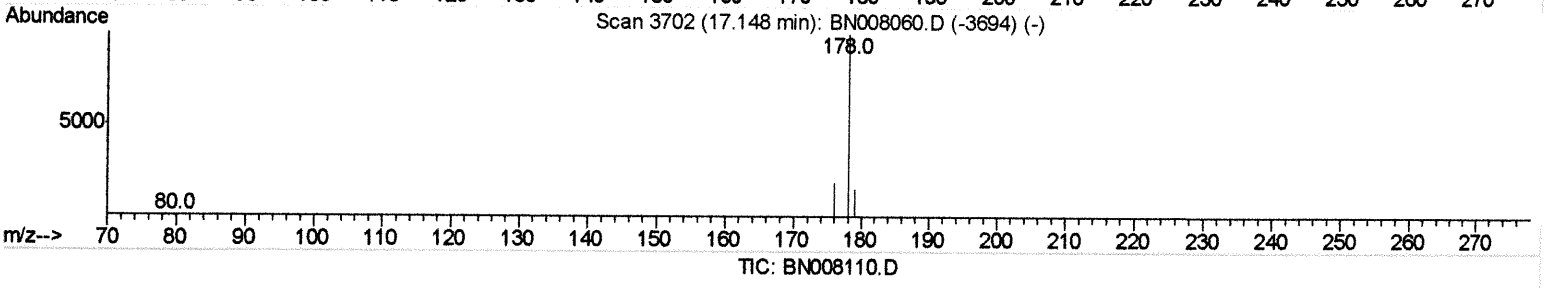
Quant Time: Oct 13 03:07:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM







TIC: BN008110.D

(13) Anthracene

17.211min (+0.064) 0.00ng/ul

response 161

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	175.63#
176.00	18.80	49.75#
0.00	0.00	0.00

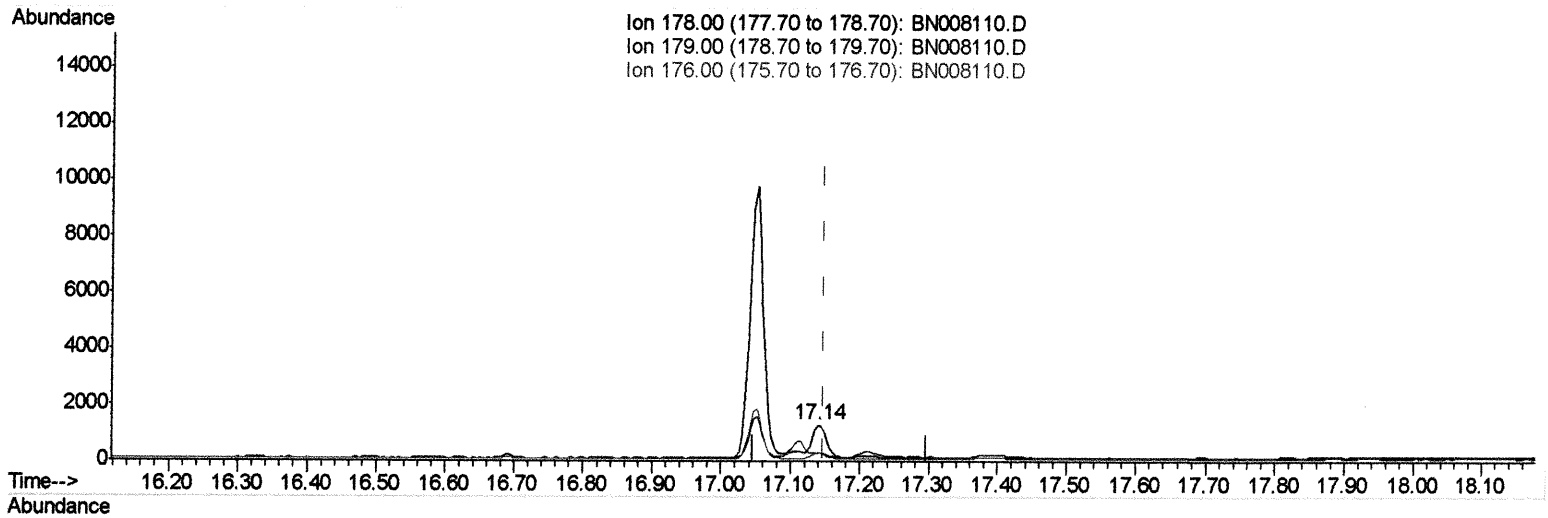
Quantitation Report (Qedit)

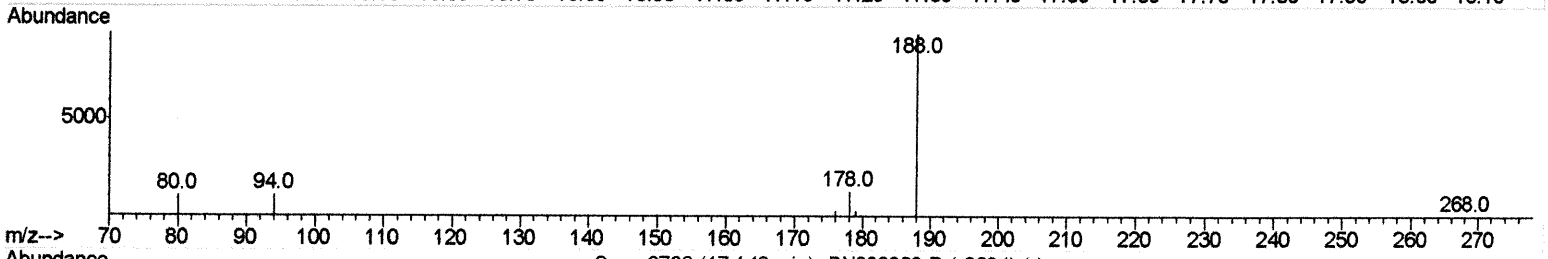
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

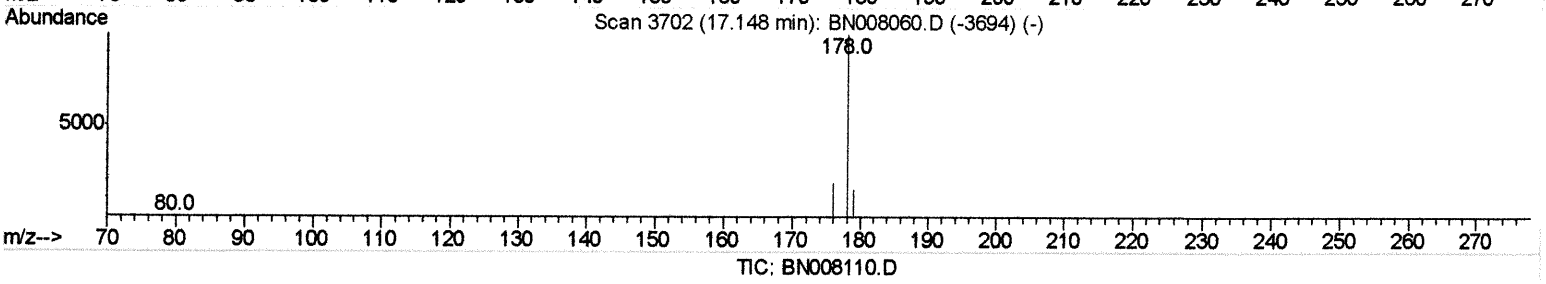
Quant Time: Oct 13 03:07:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM







TIC: BN008110.D

(13) Anthracene

17.140min (-0.008) 0.04ng/ul m

response 1661

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	25.11#
176.00	18.80	23.74#
0.00	0.00	0.00

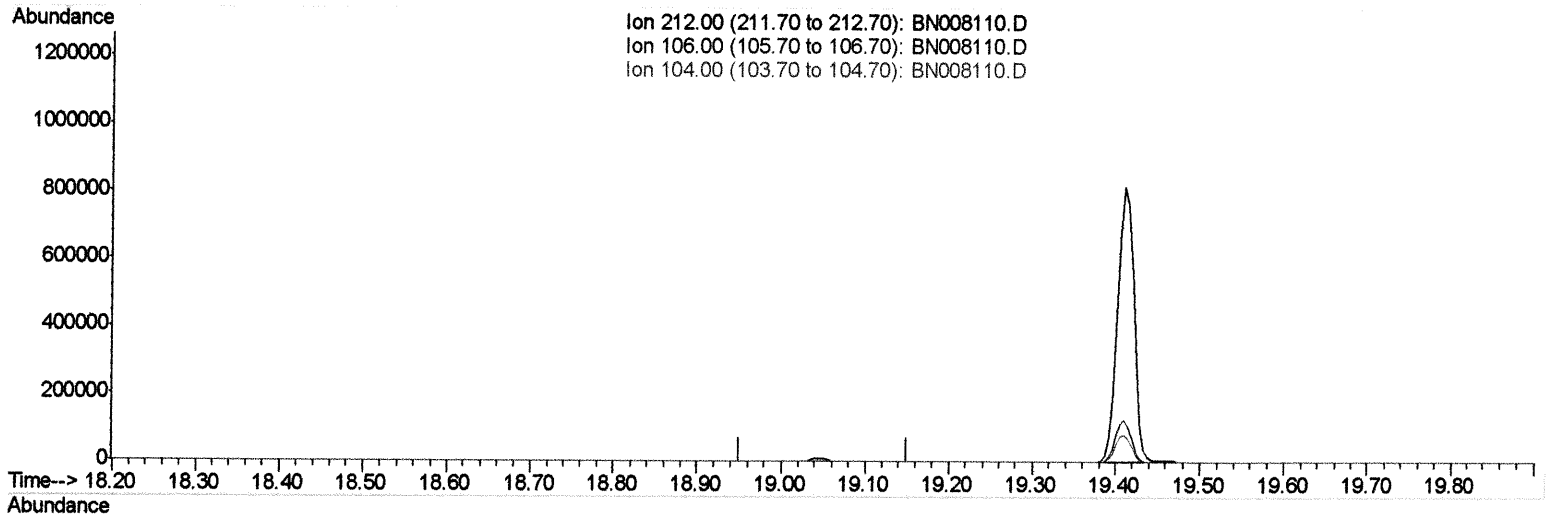
Quantitation Report (Qedit)

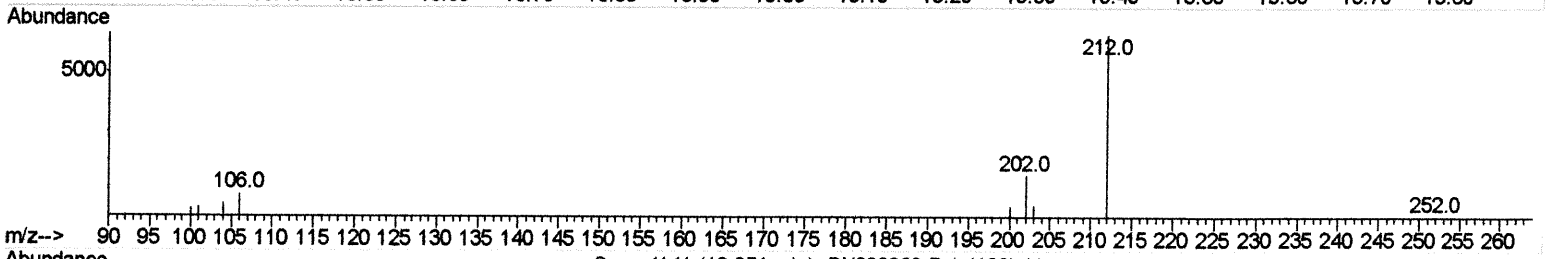
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

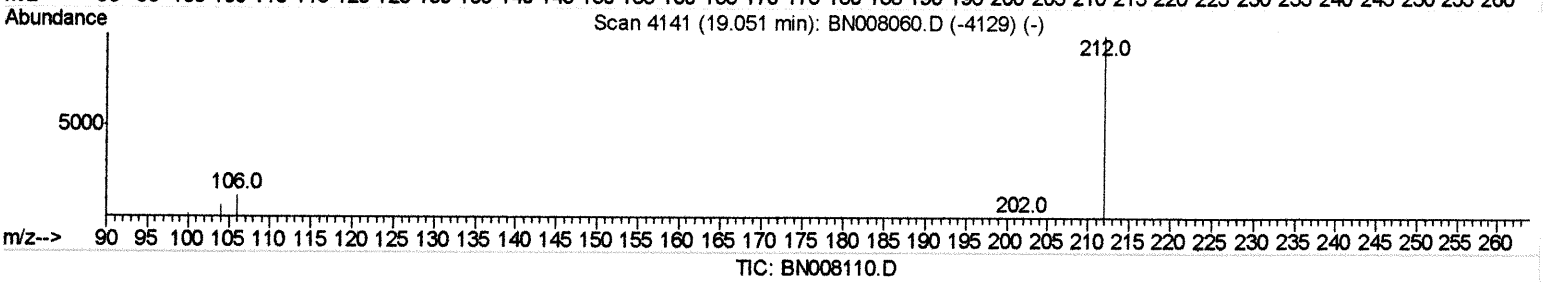
Quant Time: Oct 13 03:07:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 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

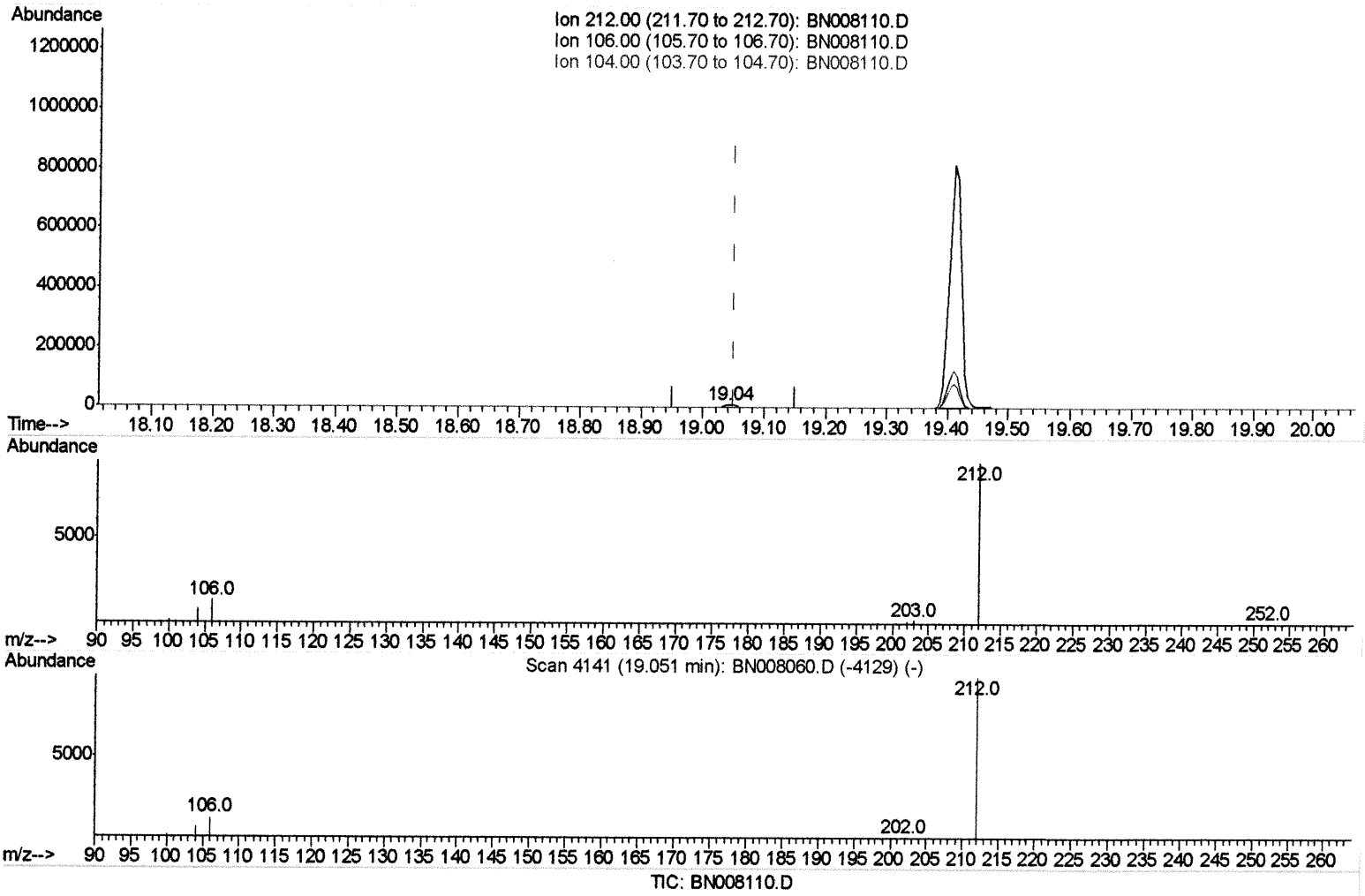
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 13 03:07:44 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 :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM



TIC: BN008110.D

(14) Fluoranthene-d10 (SURR)

19.042min (-0.009) 0.25ng/ul m JL 10/16/19

response 12329

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

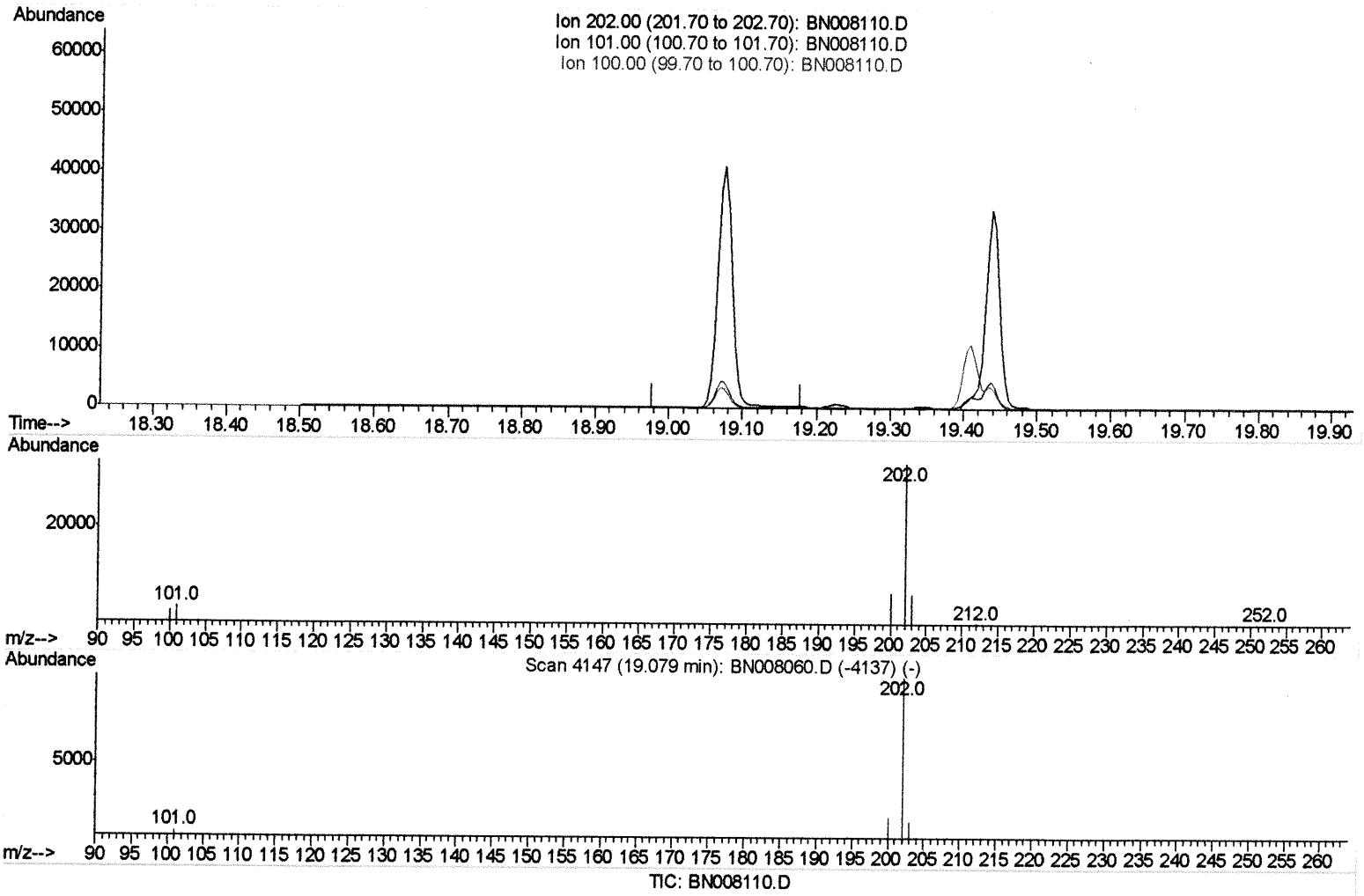
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 13 03:07:44 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 :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM



TIC: BN008110.D

(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

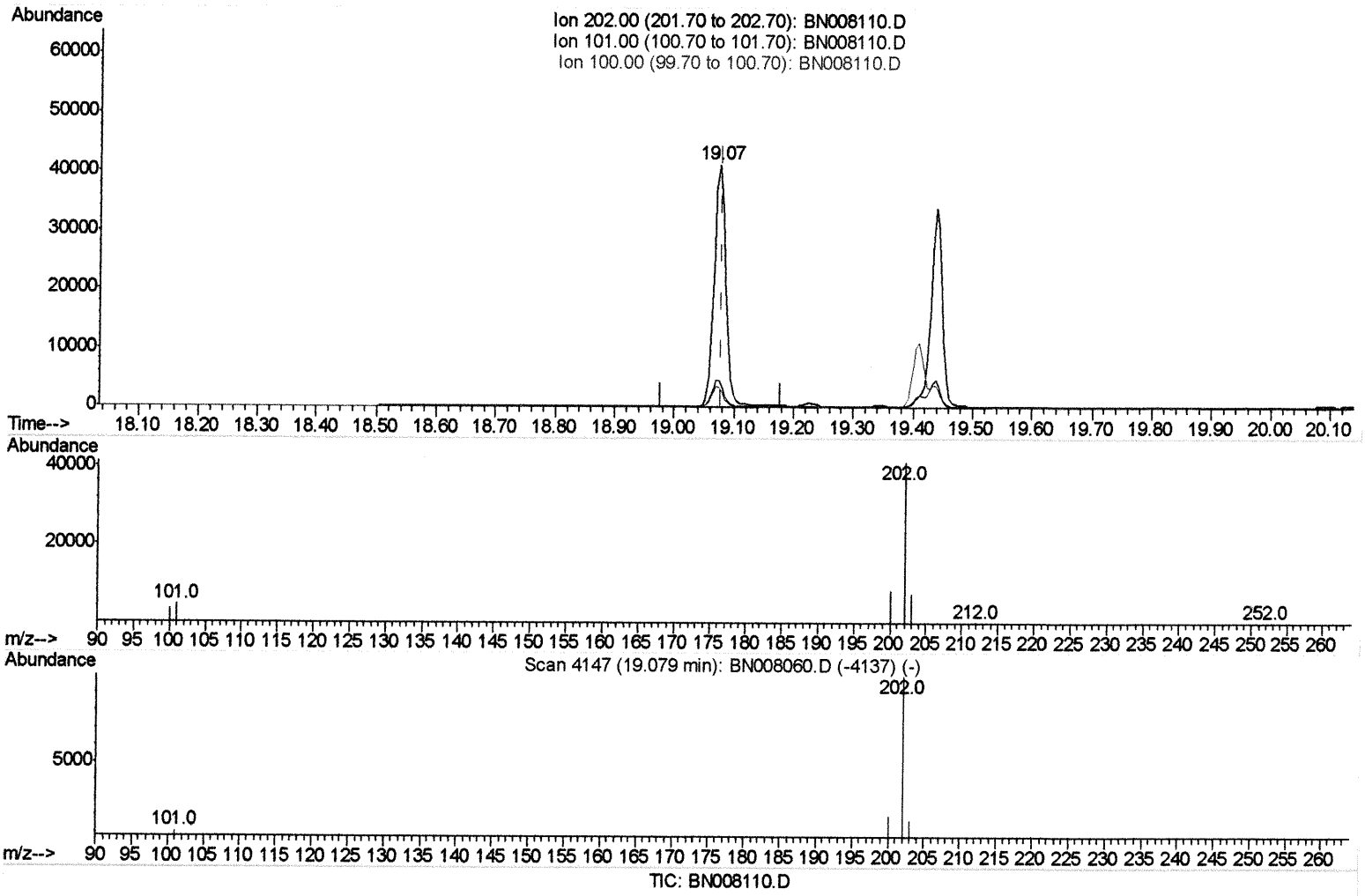
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 13 03:07:44 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 :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM



TIC: BN008110.D

(15) Fluoranthene (C)

19.075min (-0.004) 0.98ng/ul m JU 10/16/19

response 54733

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	10.95
100.00	8.50	8.12
0.00	0.00	0.00

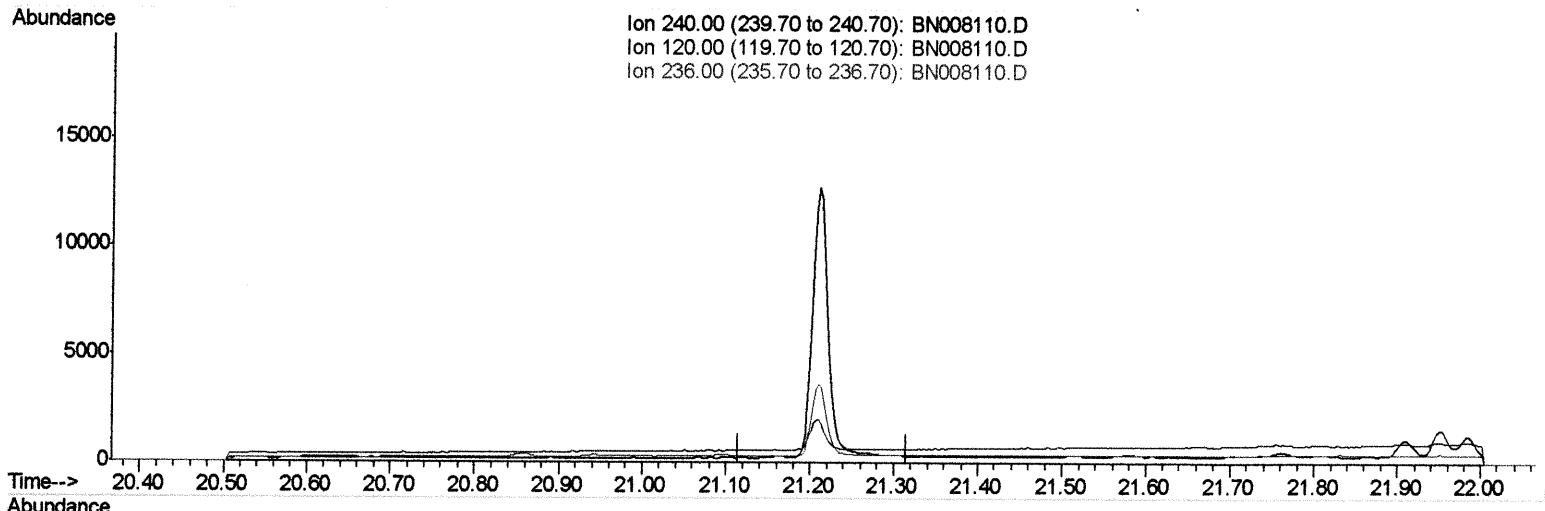
Quantitation Report (Qedit)

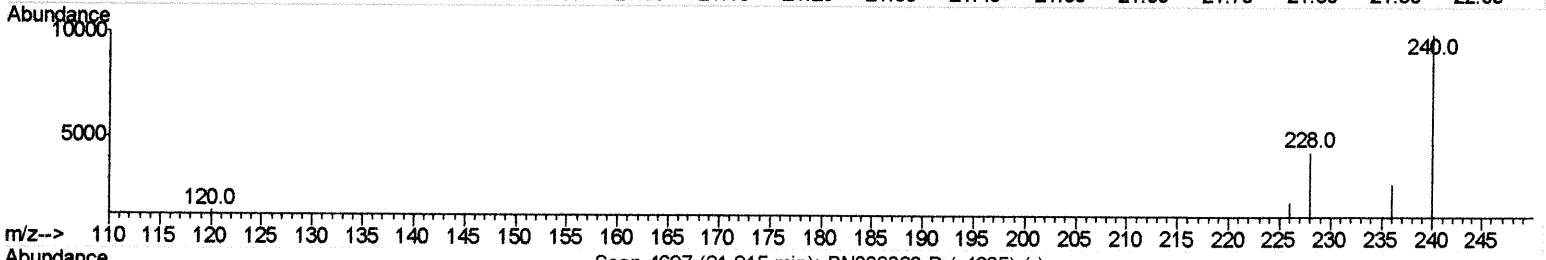
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

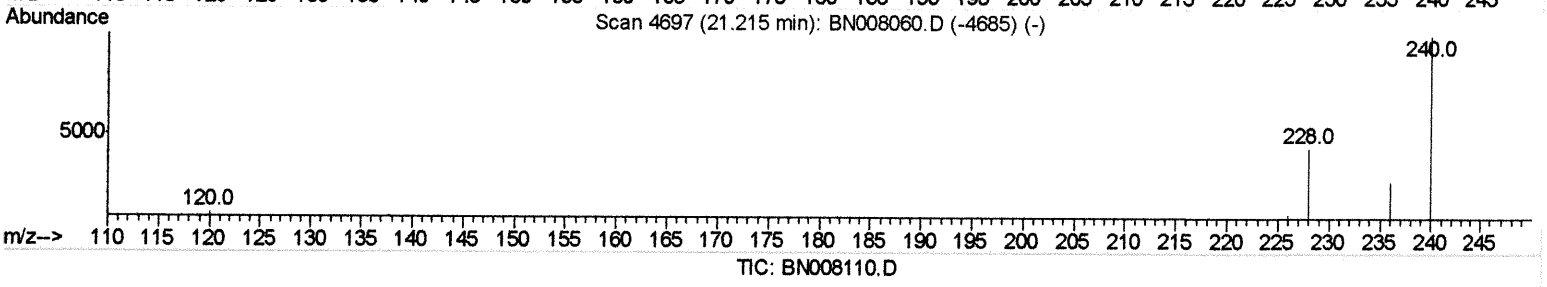
Quant Time: Oct 13 03:07:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 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

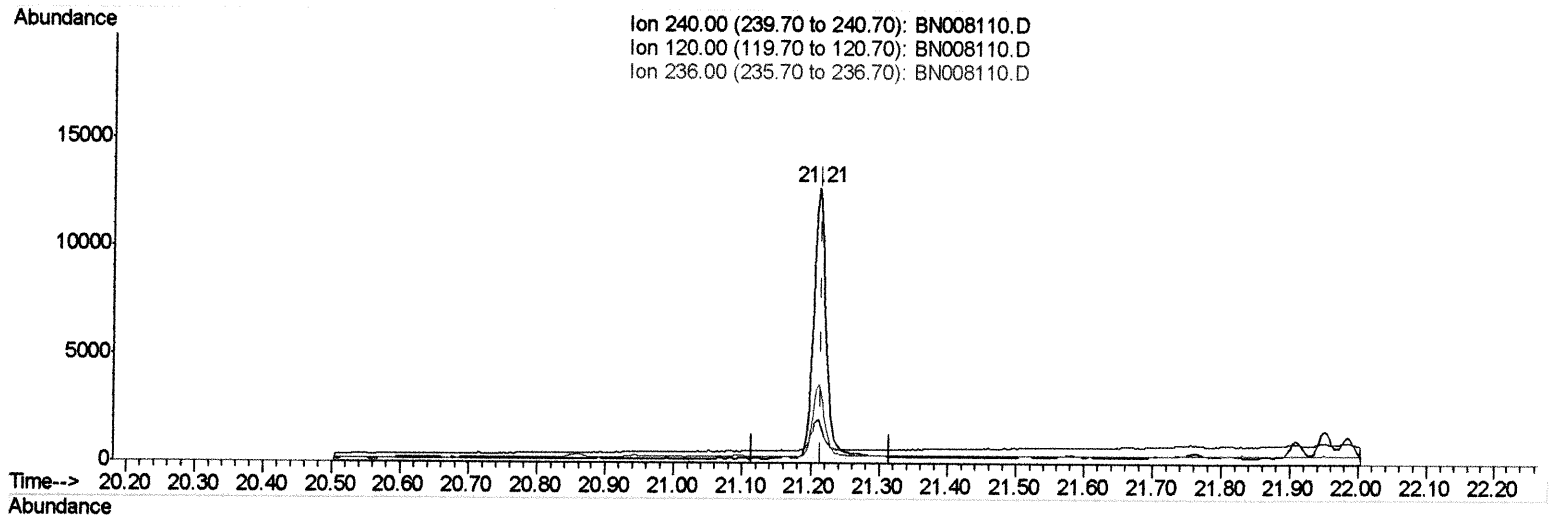
Quantitation Report (Qedit)

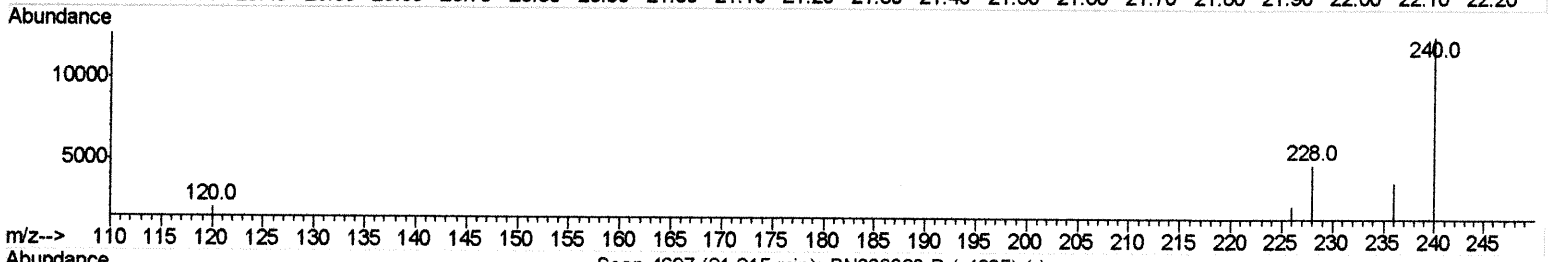
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

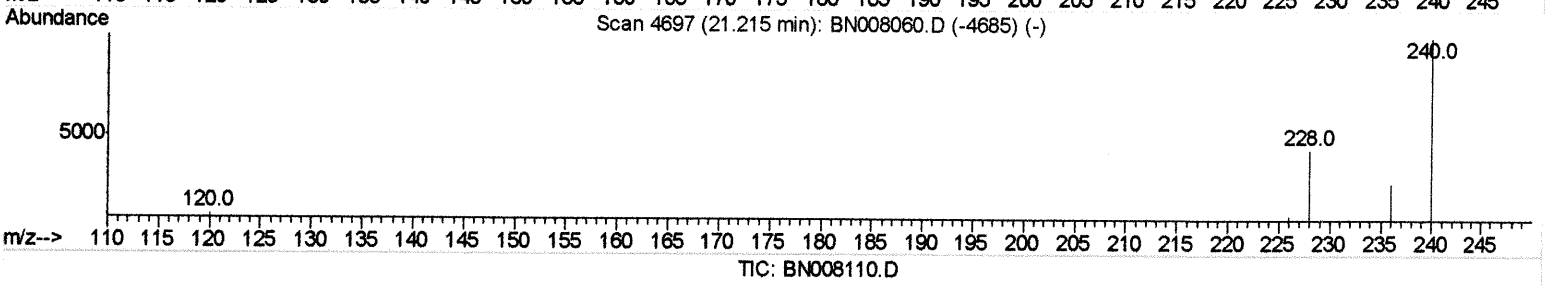
Quant Time: Oct 13 03:07:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM







TIC: BN008110.D

(16) Chrysene-d12 (I)

21.210min (-0.005) 0.40ng/ul m JU 10/16/19

response 16044

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	15.76
236.00	28.40	28.85
0.00	0.00	0.00

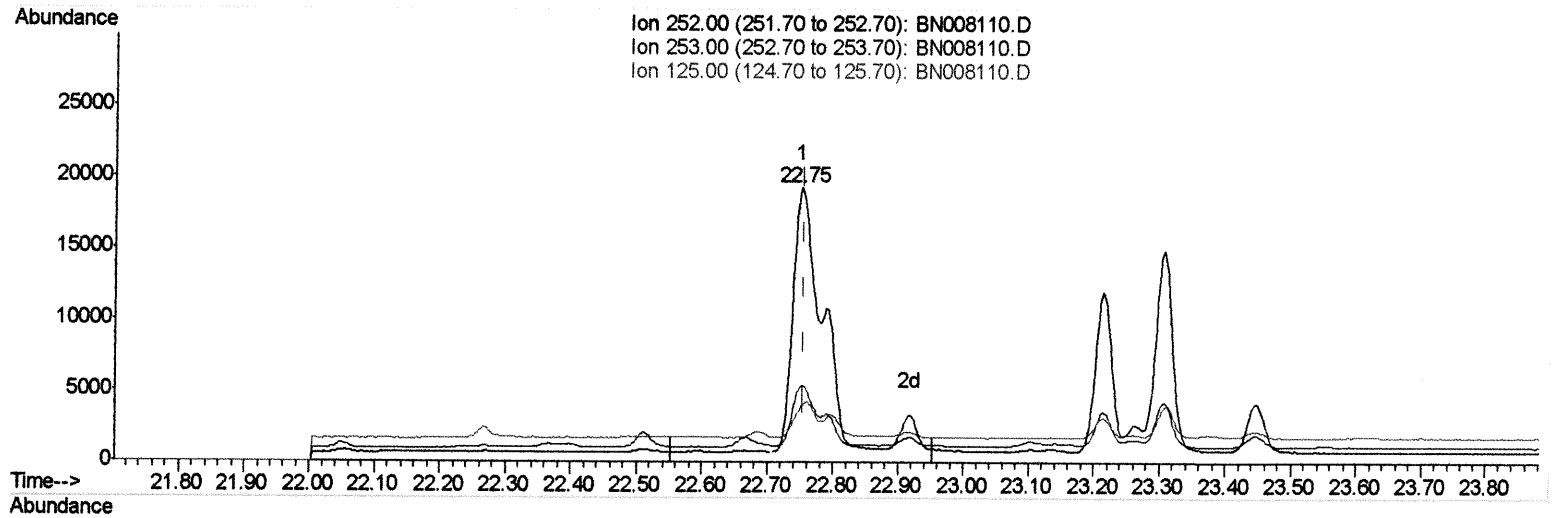
Quantitation Report (Qedit)

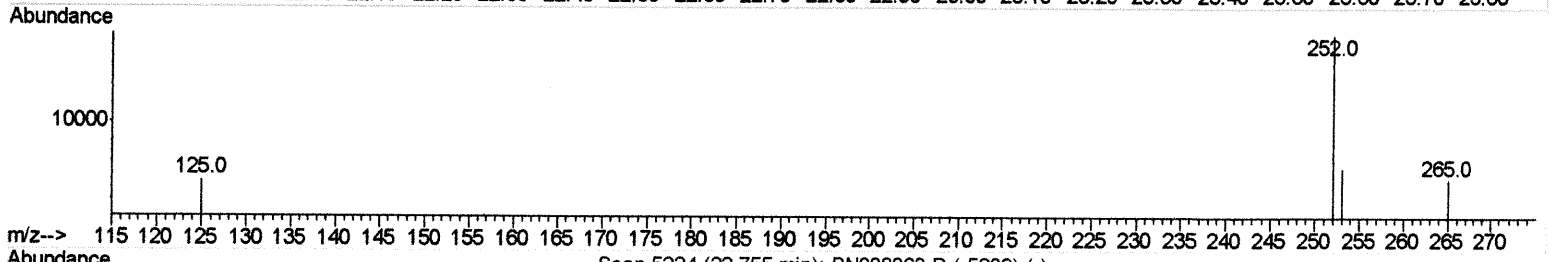
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Oct 13 03:10:58 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

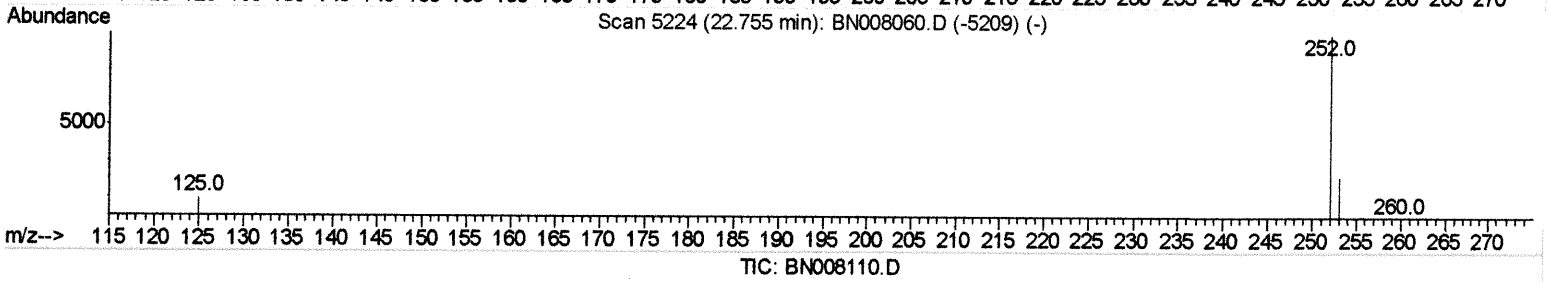
Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM





Scan 5224 (22.755 min): BN008060.D (-5209) (-)



TIC: BN008110.D

(21) Benzo(b)fluoranthene

22.750min (-0.005) 0.99ng/ul

response 56748

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	27.88
125.00	16.20	20.50
0.00	0.00	0.00

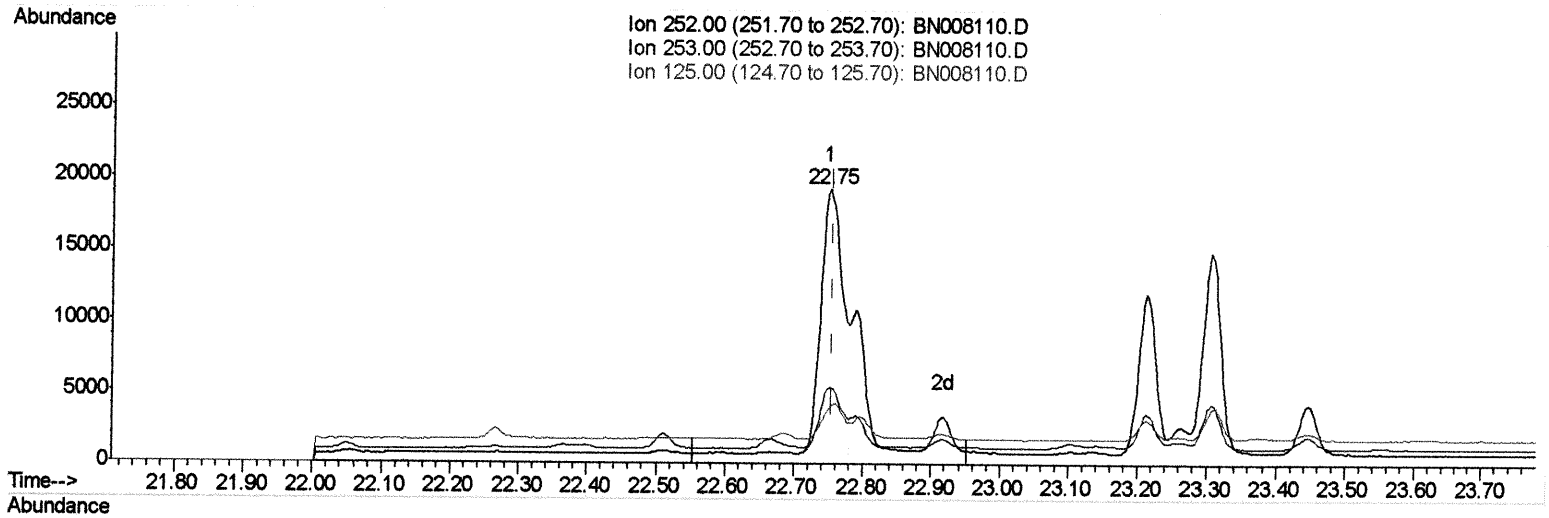
Quantitation Report (Qedit)

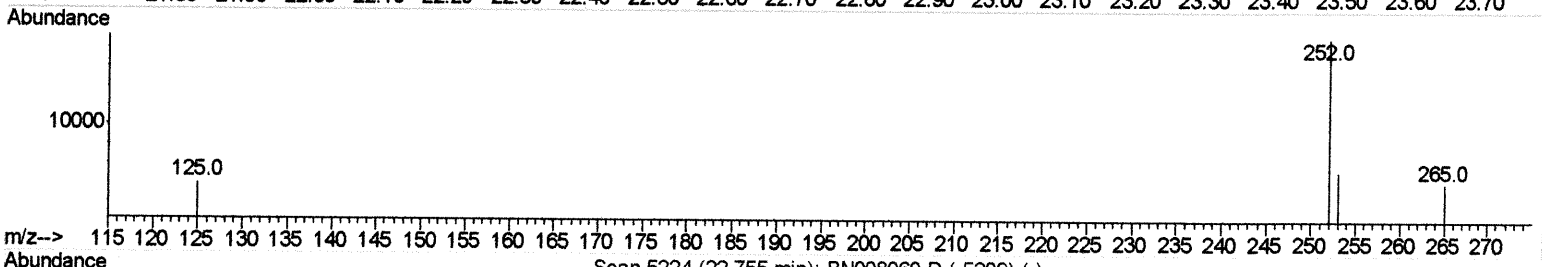
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

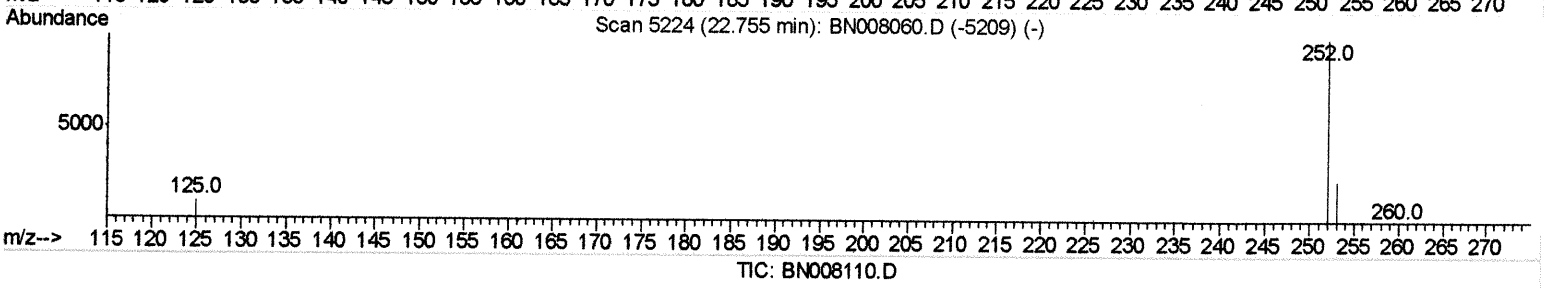
Quant Time: Oct 13 03:10:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM







TIC: BN008110.D

(21) Benzo(b)fluoranthene

22.750min (-0.005) 0.72ng/ul m JU 10/16/19

response 41377

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	27.88
125.00	16.20	20.50
0.00	0.00	0.00

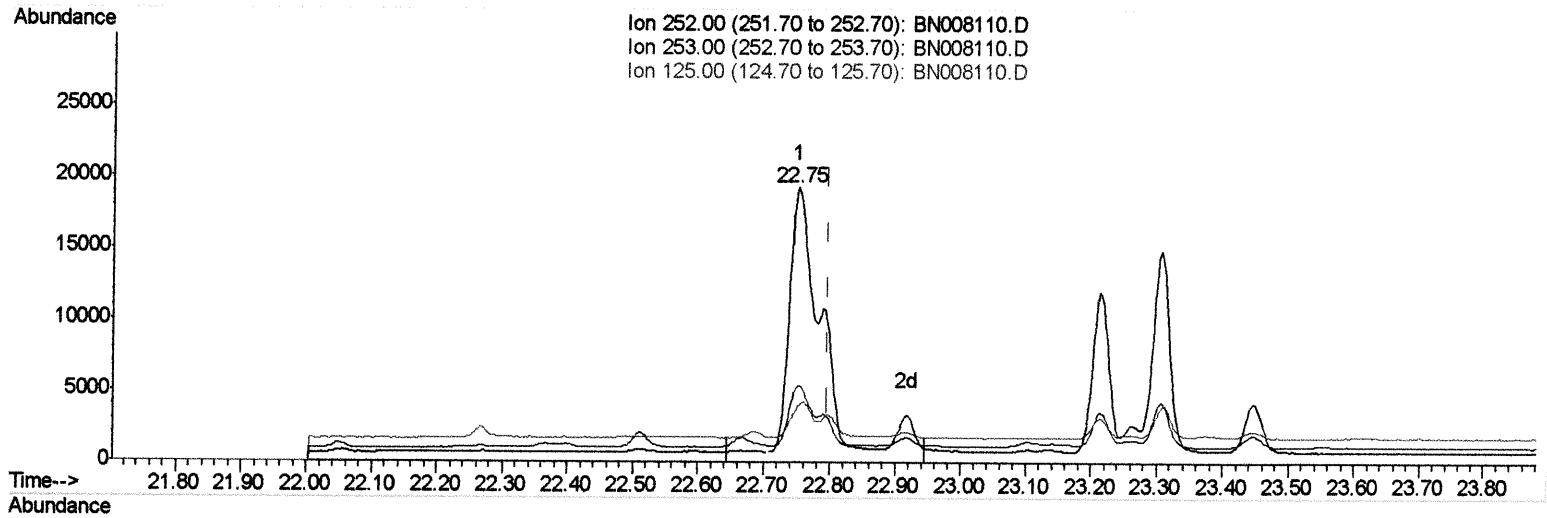
Quantitation Report (Qedit)

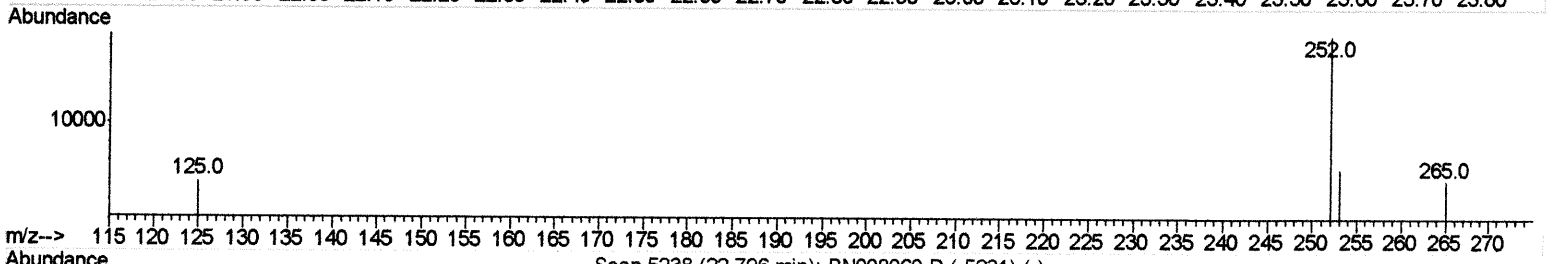
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

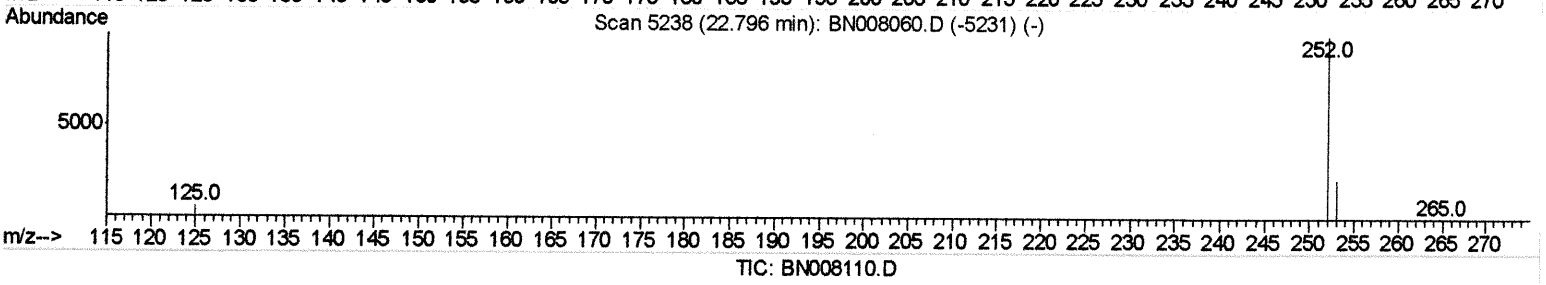
Quant Time: Oct 13 03:10:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM







TIC: BN008110.D

(22) Benzo(k)fluoranthene

22.750min (-0.046) 0.87ng/ul

response 56748

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	27.88
125.00	15.40	20.50#
0.00	0.00	0.00

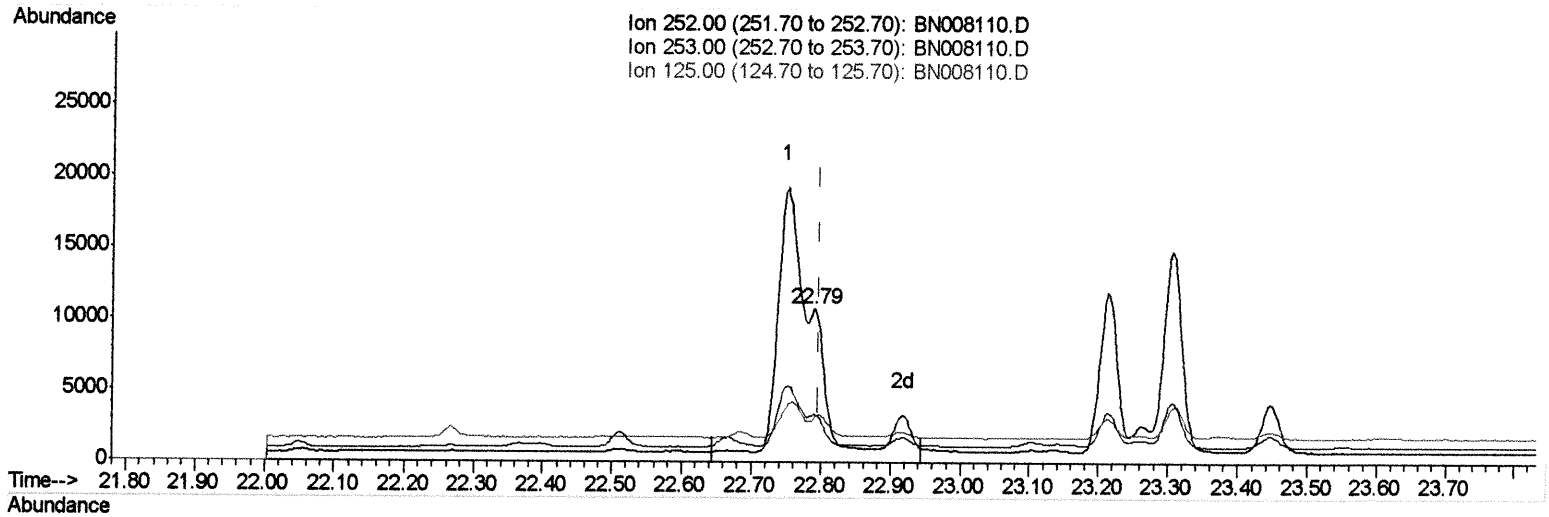
Quantitation Report (Qedit)

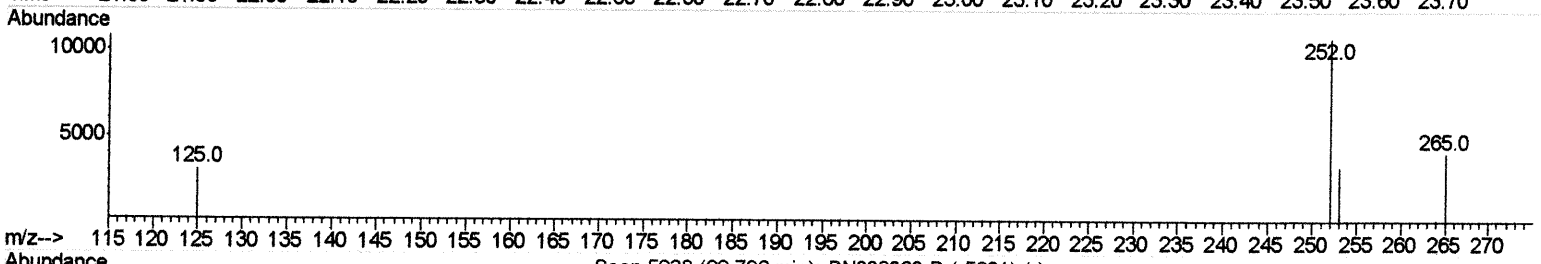
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

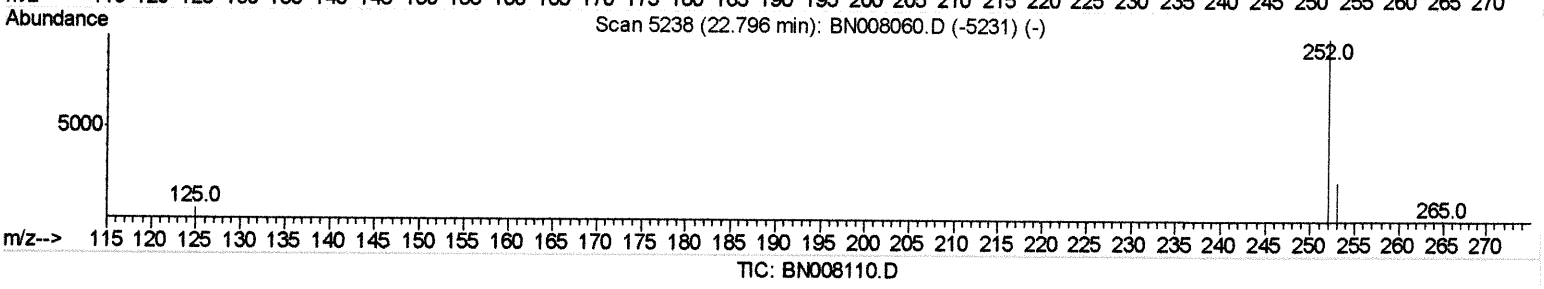
Quant Time: Oct 13 03:10:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM







TIC: BN008110.D

(22) Benzo(k)fluoranthene

22.788min (-0.008) 0.21ng/ul m JU 10/16/19

response 13587

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	31.48
125.00	15.40	28.80#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008110.D
Acq On : 12 Oct 2019 13:34
Operator : JU
Sample : K5178-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPD0

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:36 AM

Quant Time: Oct 13 03:12:04 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	1805	0.40	ng/ul	-0.01	
2) Naphthalene-d8	10.39	136	9075	0.40	ng/ul	-0.01	
6) Acenaphthene-d10	14.26	164	6075	0.40	ng/ul	0.00	
10) Phenanthrene-d10	17.01	188	14379m	0.40	ng/ul	0.00	JU 10/16/19
16) Chrysene-d12	21.21	240	16044m	0.40	ng/ul	0.00	
20) Perylene-d12	23.40	264	17604	0.40	ng/ul	0.00	
System Monitoring Compounds							
4) 2-Methylnaphthalene-d10	12.00	152	3302	0.22	ng/ul	0.00	JU 10/16/19
14) Fluoranthene-d10	19.04	212	12329m	0.25	ng/ul	0.00	
Target Compounds						Qvalue	
7) Acenaphthylene	13.98	152	1719	0.059	ng/ul#	83	
12) Phenanthrene	17.05	178	13288	0.316	ng/ul	99	
13) Anthracene	17.14	178	1661m	0.045	ng/ul	3	JU 10/16/19
15) Fluoranthene	19.07	202	54733m	0.984	ng/ul		
17) Pyrene	19.44	202	46024	0.720	ng/ul	99	
18) Benzo(a)anthracene	21.20	228	22651	0.388	ng/ul	95	
19) Chrysene	21.25	228	30491	0.426	ng/ul	98	
21) Benzo(b)fluoranthene	22.75	252	41377m	0.722	ng/ul	3	JU 10/16/19
22) Benzo(k)fluoranthene	22.79	252	13587m	0.209	ng/ul		
23) Benzo(a)pyrene	23.31	252	25203	0.418	ng/ul	97	
24) Indeno(1,2,3-cd)pyrene	25.58	276	17692	0.249	ng/ul#	97	
25) Dibenzo(a,h)anthracene	25.58	278	3318	0.059	ng/ul#	29	
26) Benzo(g,h,i)perylene	26.24	276	17092	0.262	ng/ul#	91	

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