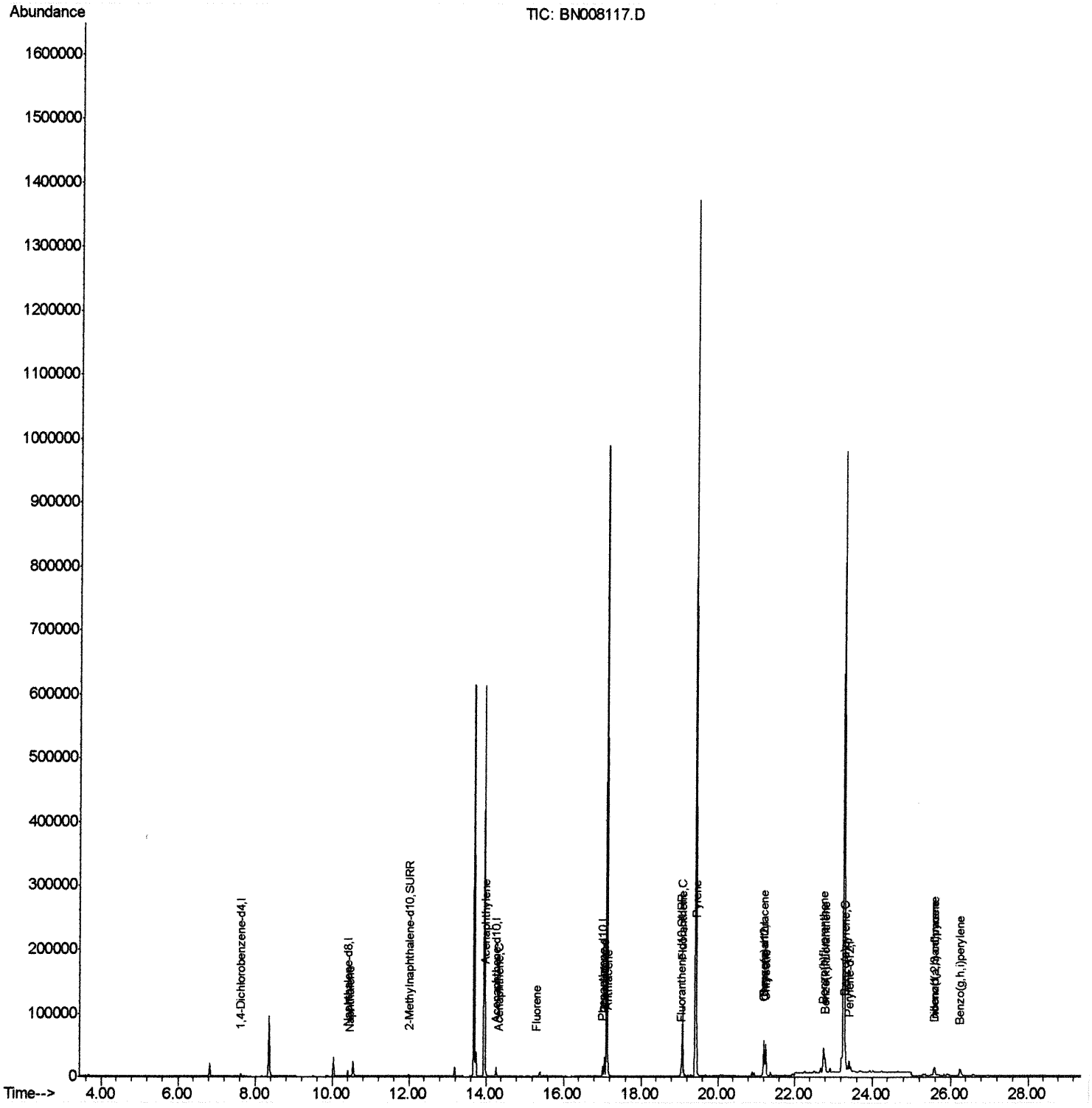
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 13 04:02:59 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 :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM



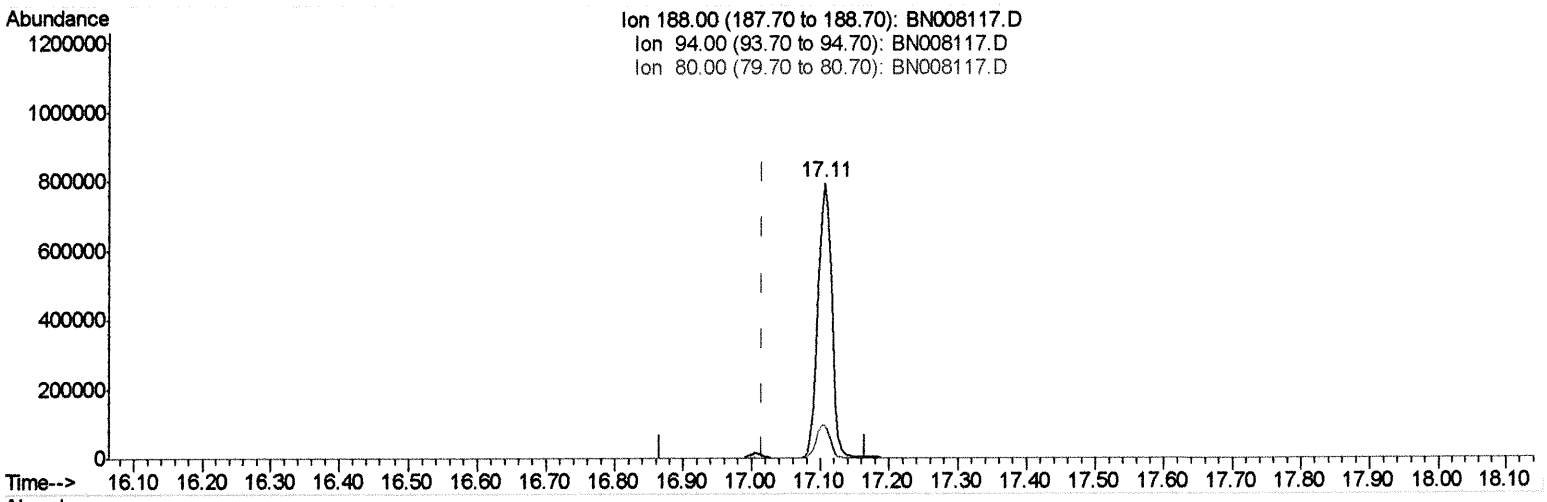
Quantitation Report (Qedit)

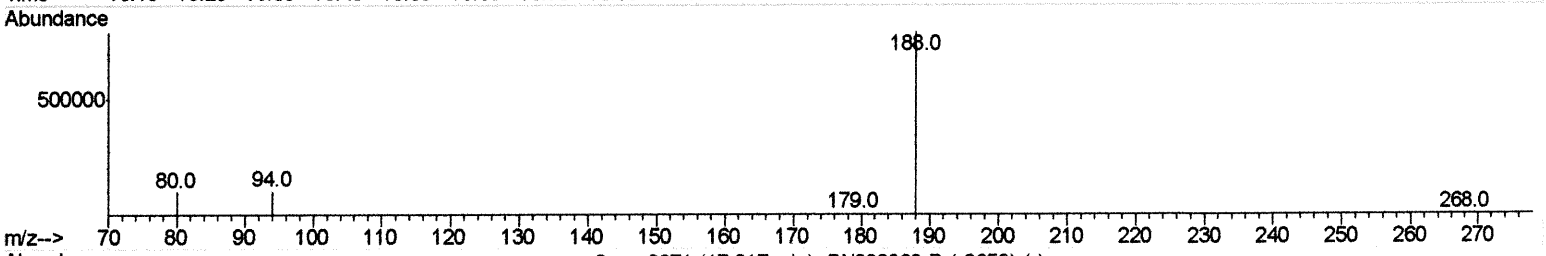
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

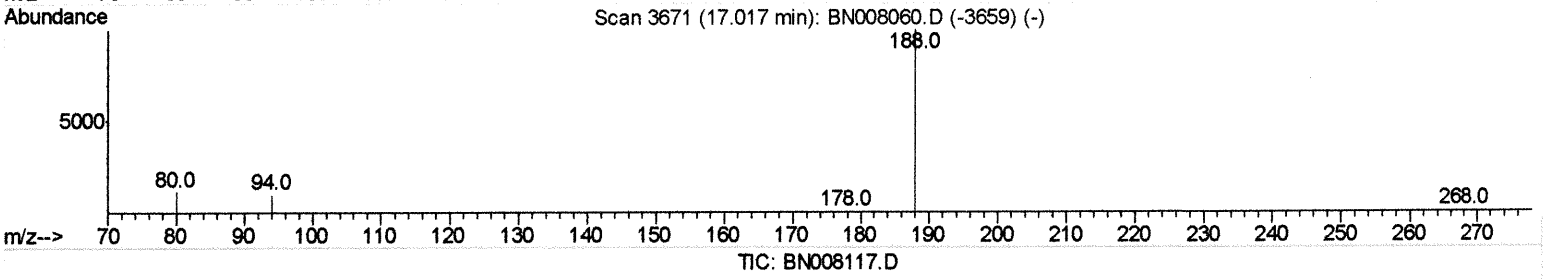
Quant Time: Oct 12 21:41:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(10) Phenanthrene-d10 (I)

17.106min (+0.089) 0.40ng/ul

response 1099701

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.41
80.00	12.60	12.07
0.00	0.00	0.00

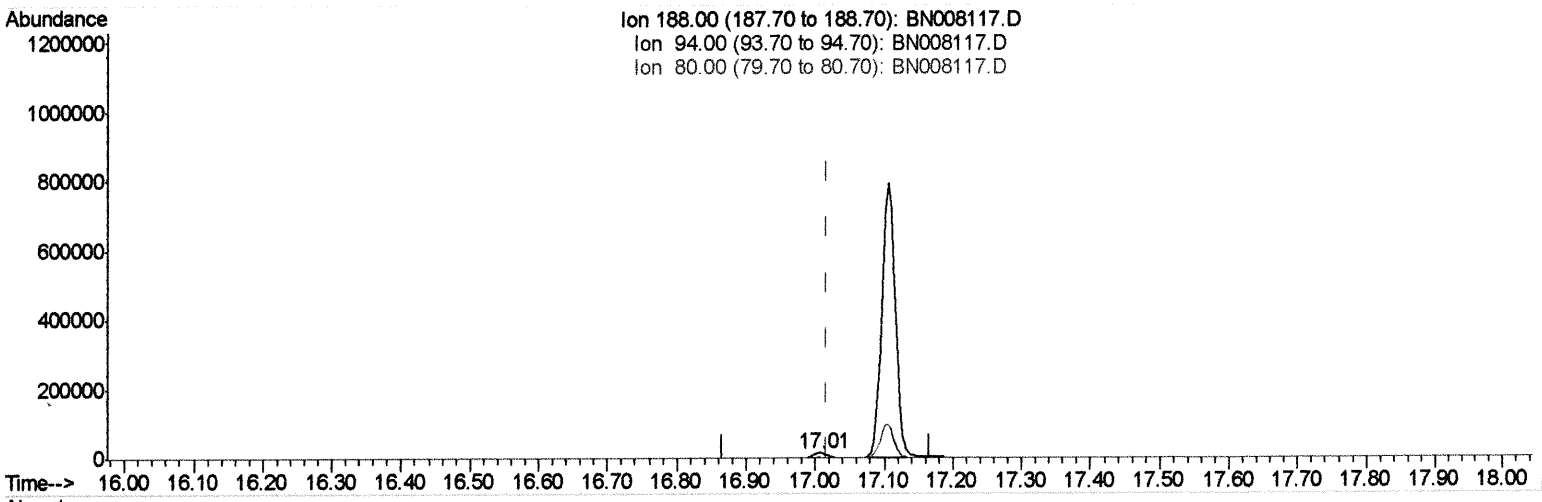
Quantitation Report (Qedit)

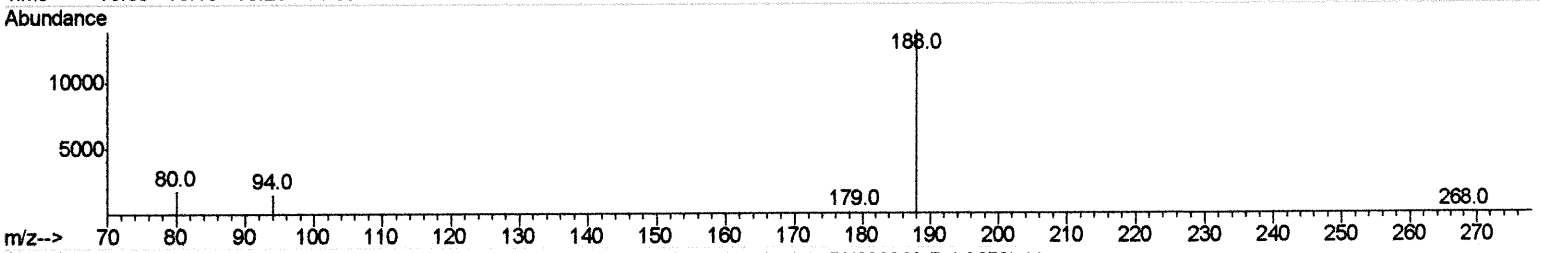
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

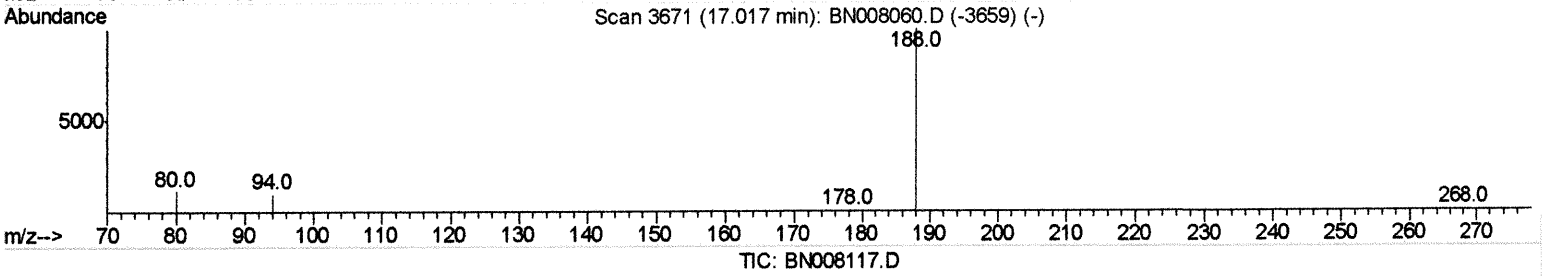
Quant Time: Oct 12 21:41:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(10) Phenanthrene-d10 (I)

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

response 19355

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	10.96
80.00	12.60	12.76
0.00	0.00	0.00

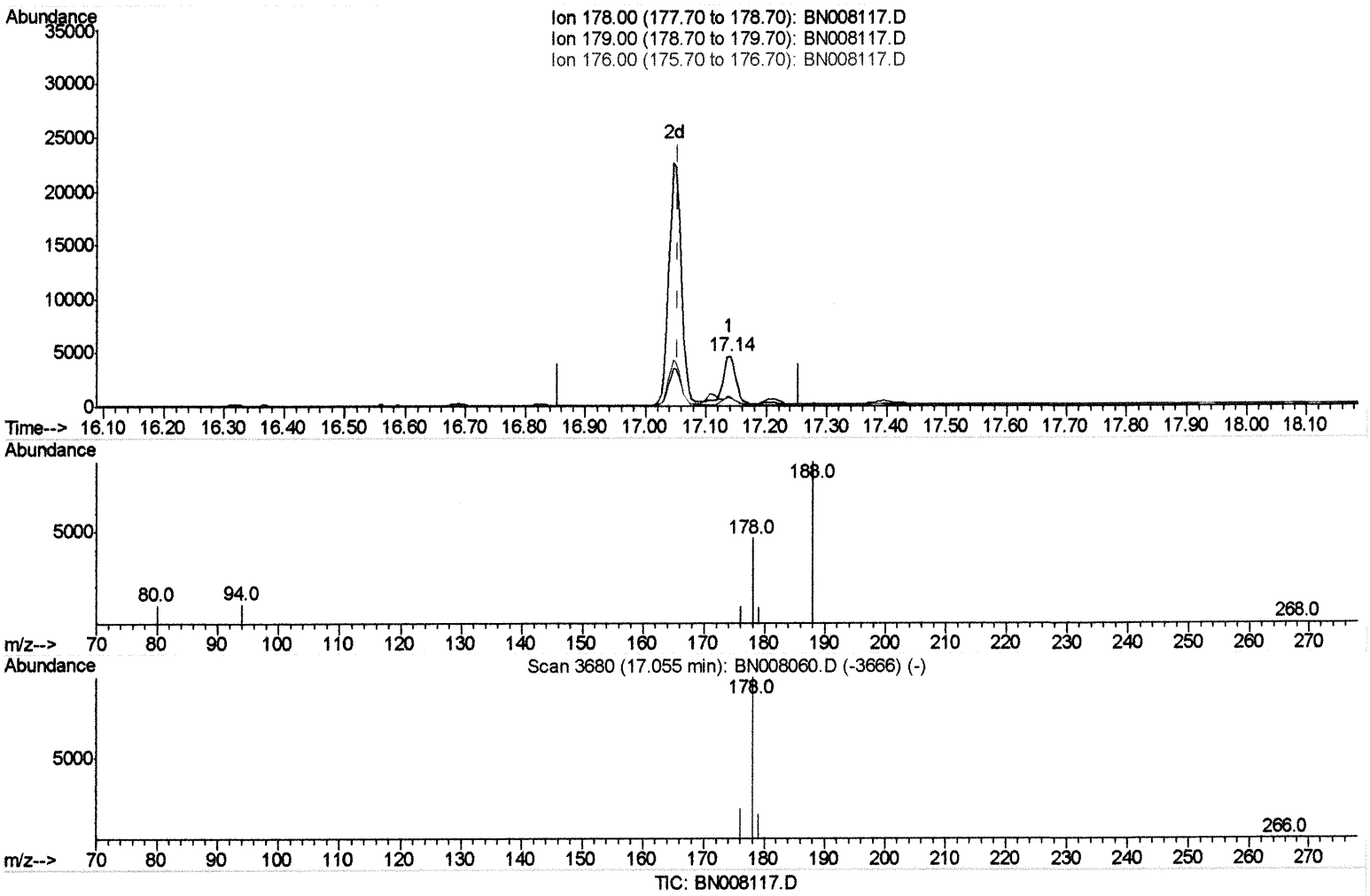
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 13 03:57:57 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 :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM



TIC: BN008117.D

(12) Phenanthrene

17.140min (+0.085) 0.12ng/ul

response 6797

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	18.65
176.00	19.30	20.03
0.00	0.00	0.00

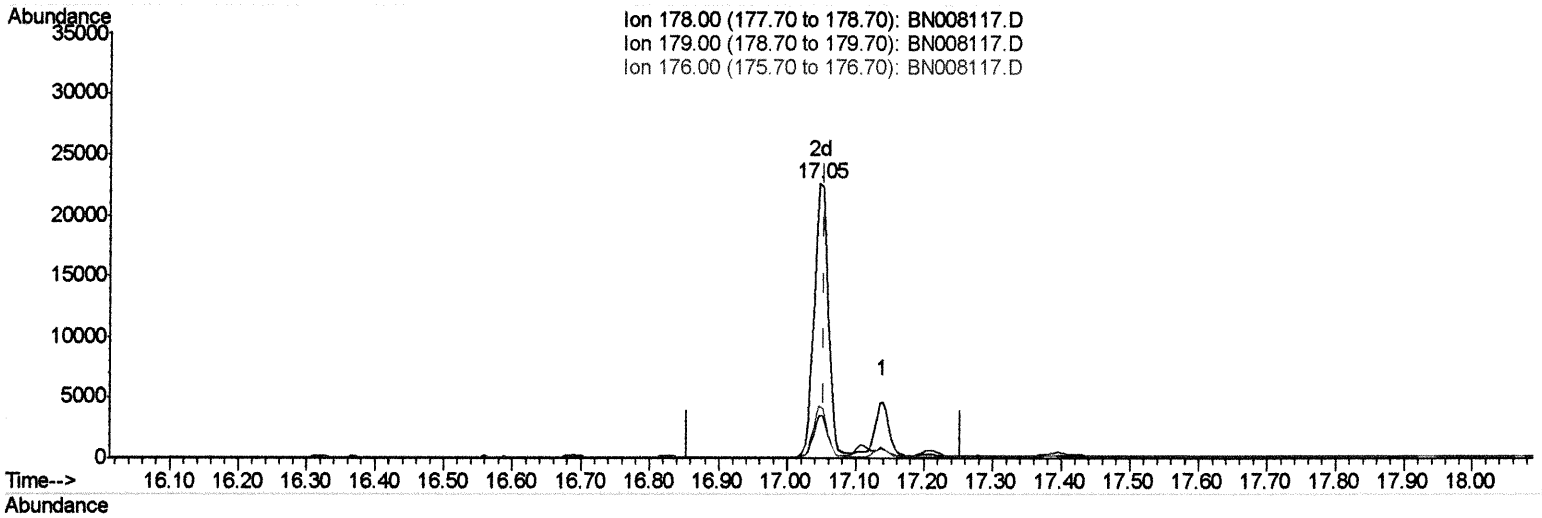
Quantitation Report (Qedit)

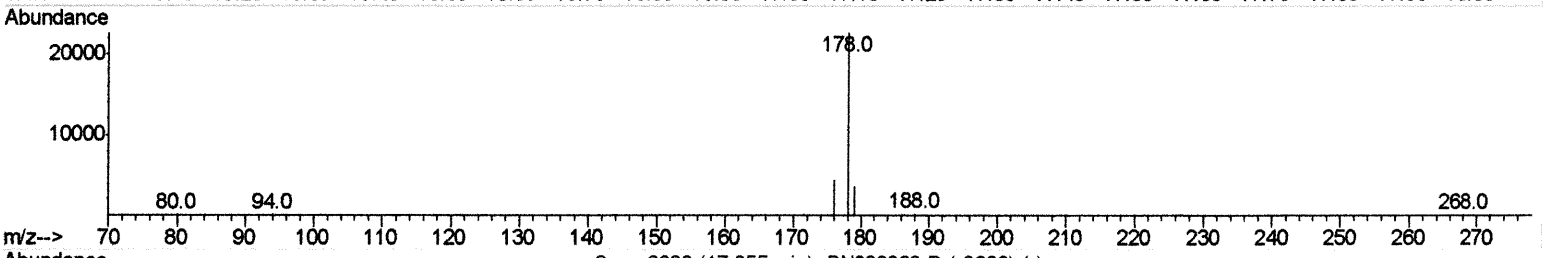
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

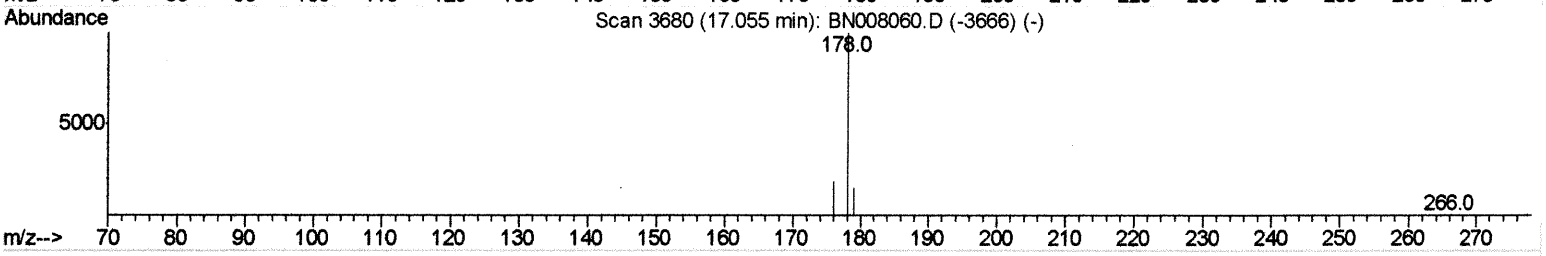
Quant Time: Oct 13 03:57:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(12) Phenanthrene

17.047min (-0.008) 0.57ng/ul m JH 10/16/19

response 32341

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.65
176.00	19.30	19.16
0.00	0.00	0.00

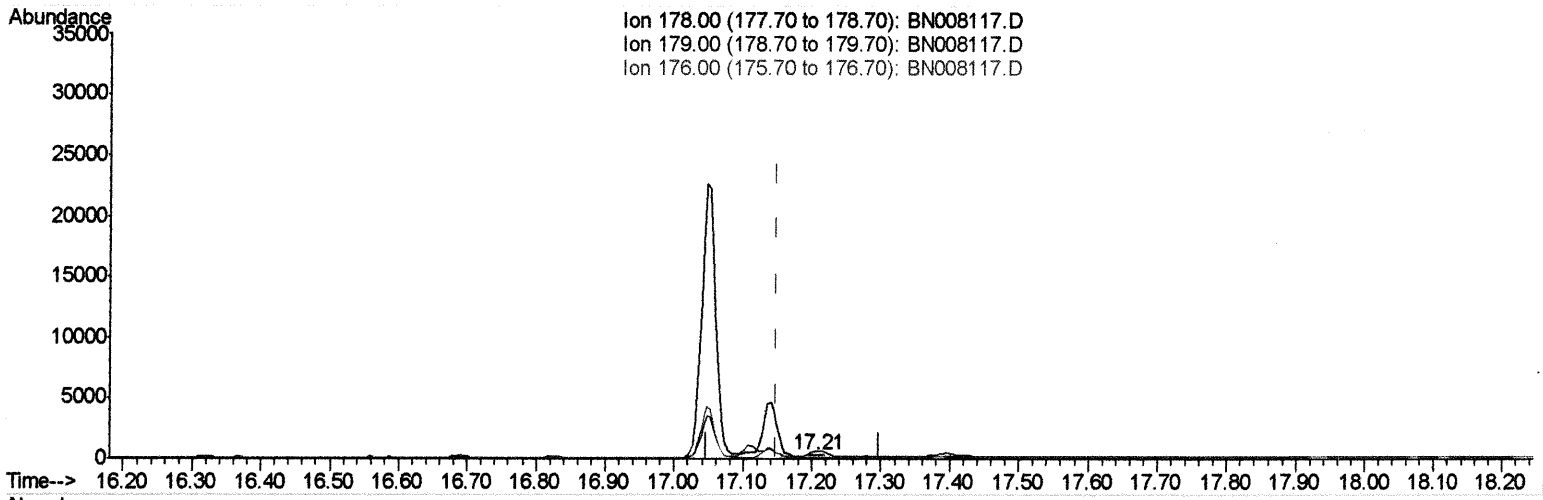
Quantitation Report (Qedit)

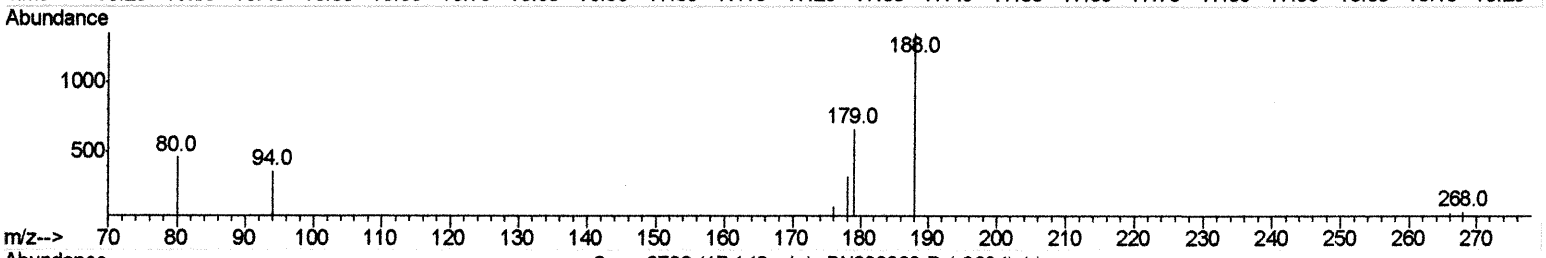
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

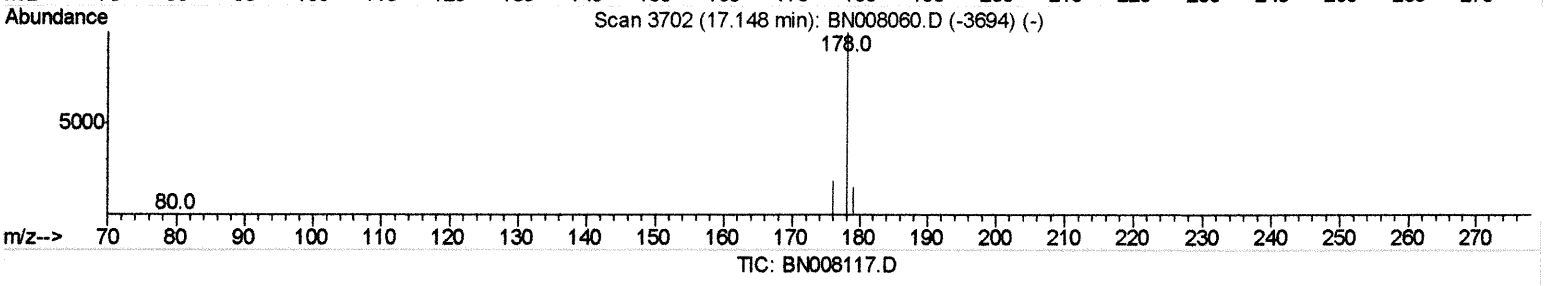
Quant Time: Oct 13 03:57:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(13) Anthracene

17.207min (+0.059) 0.01ng/ul

response 294

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	200.91#
176.00	18.80	36.25#
0.00	0.00	0.00

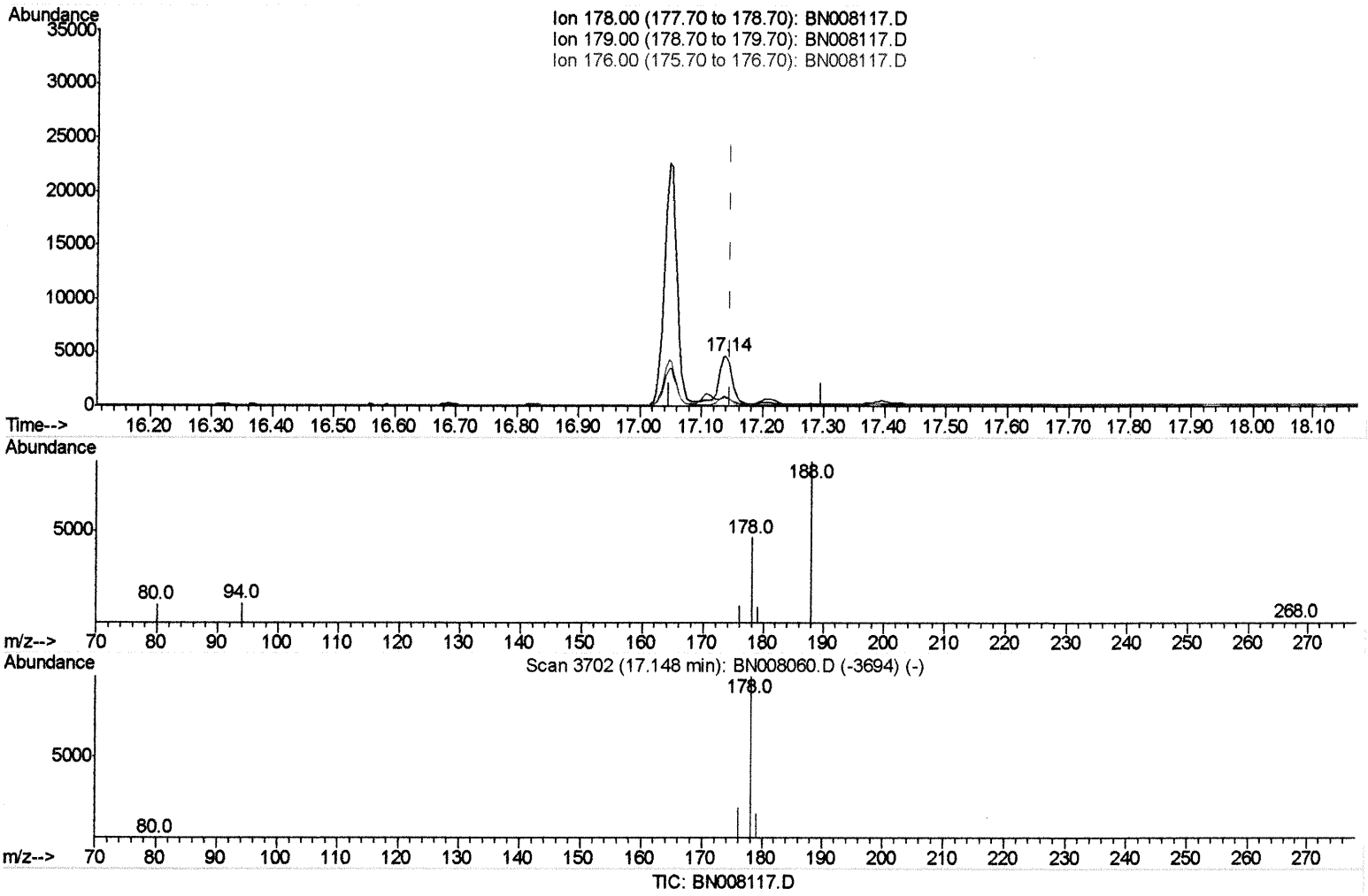
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 13 03:57:57 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 :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM



TIC: BN008117.D

(13) Anthracene

17.140min (-0.008) 0.13ng/ul m JU 10/16/19

response 6325

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	18.65
176.00	18.80	20.03
0.00	0.00	0.00

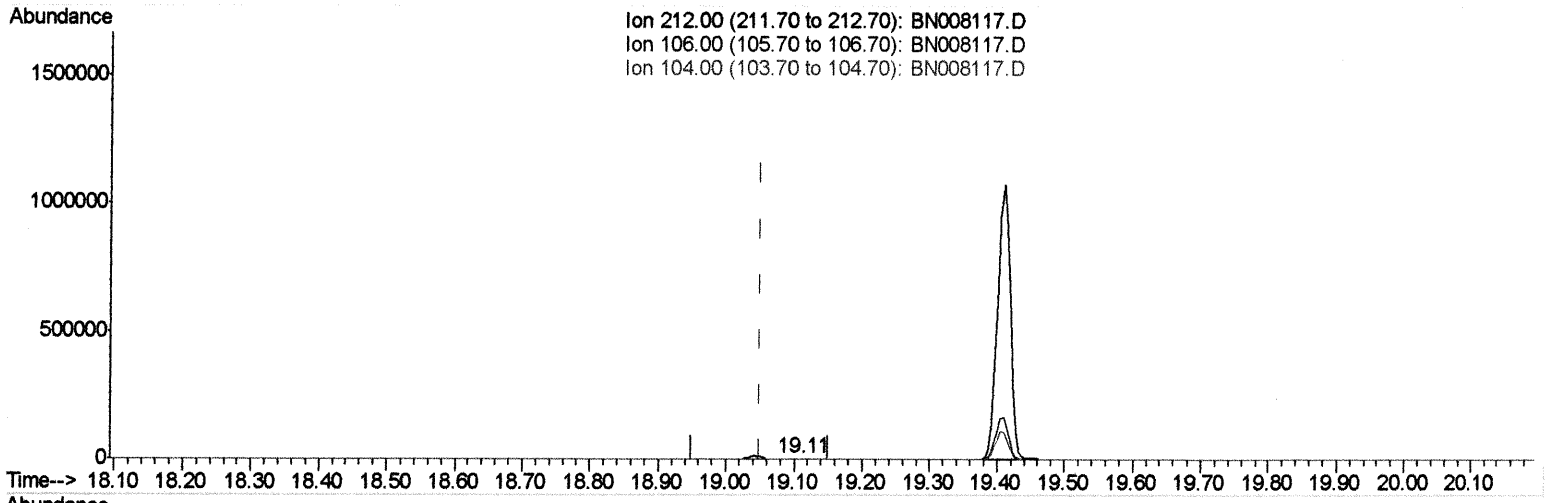
Quantitation Report (Qedit)

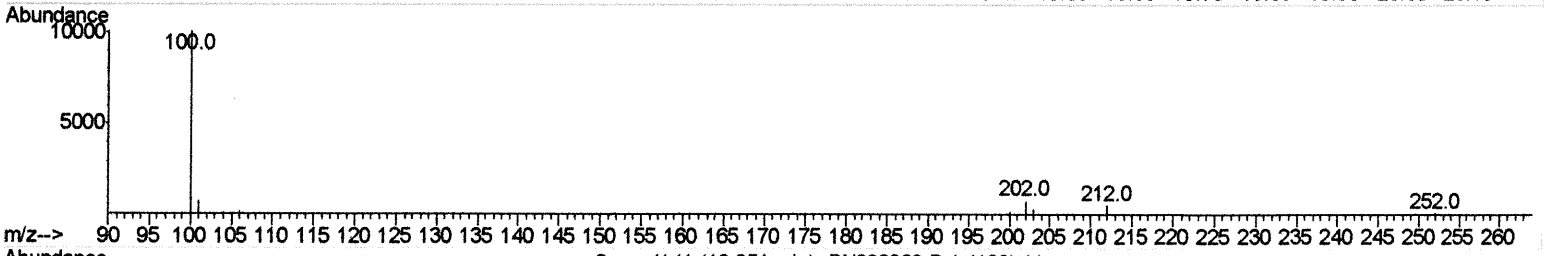
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

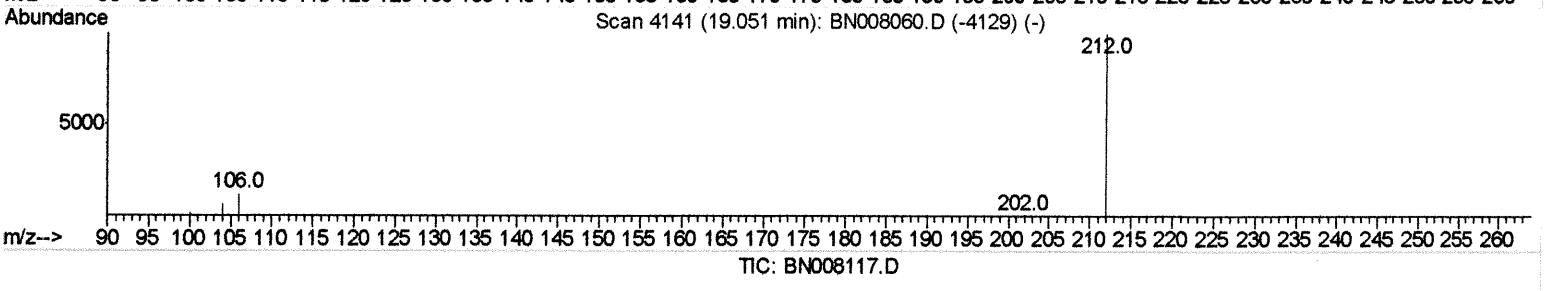
Quant Time: Oct 13 03:57:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







(14) Fluoranthene-d10 (SURR)

19.112min (+0.061) 0.01ng/ul

response 604

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

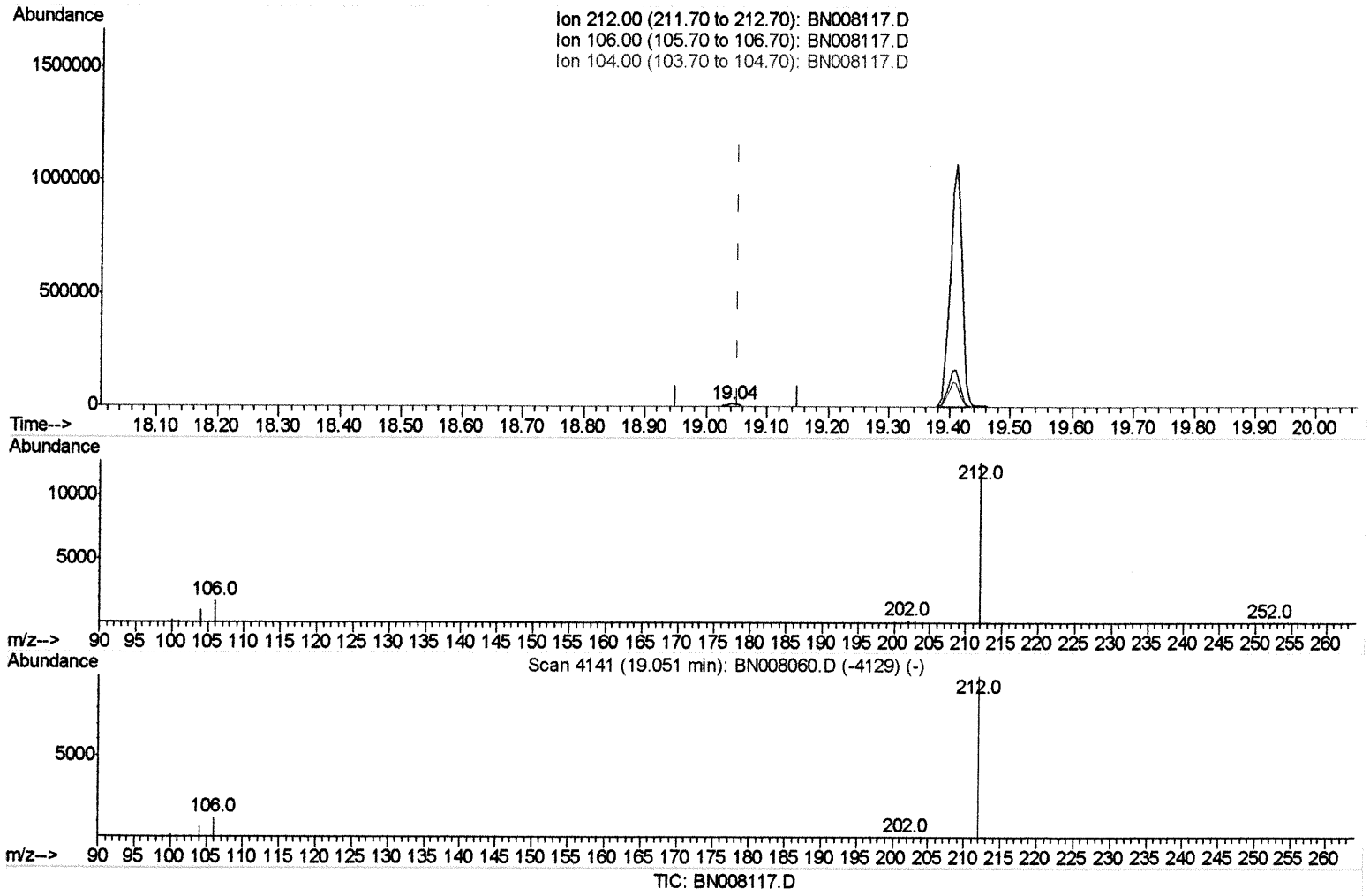
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 13 03:57:57 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 :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM



TIC: BN008117.D

(14) Fluoranthene-d10 (SURR)

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

response 16776

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

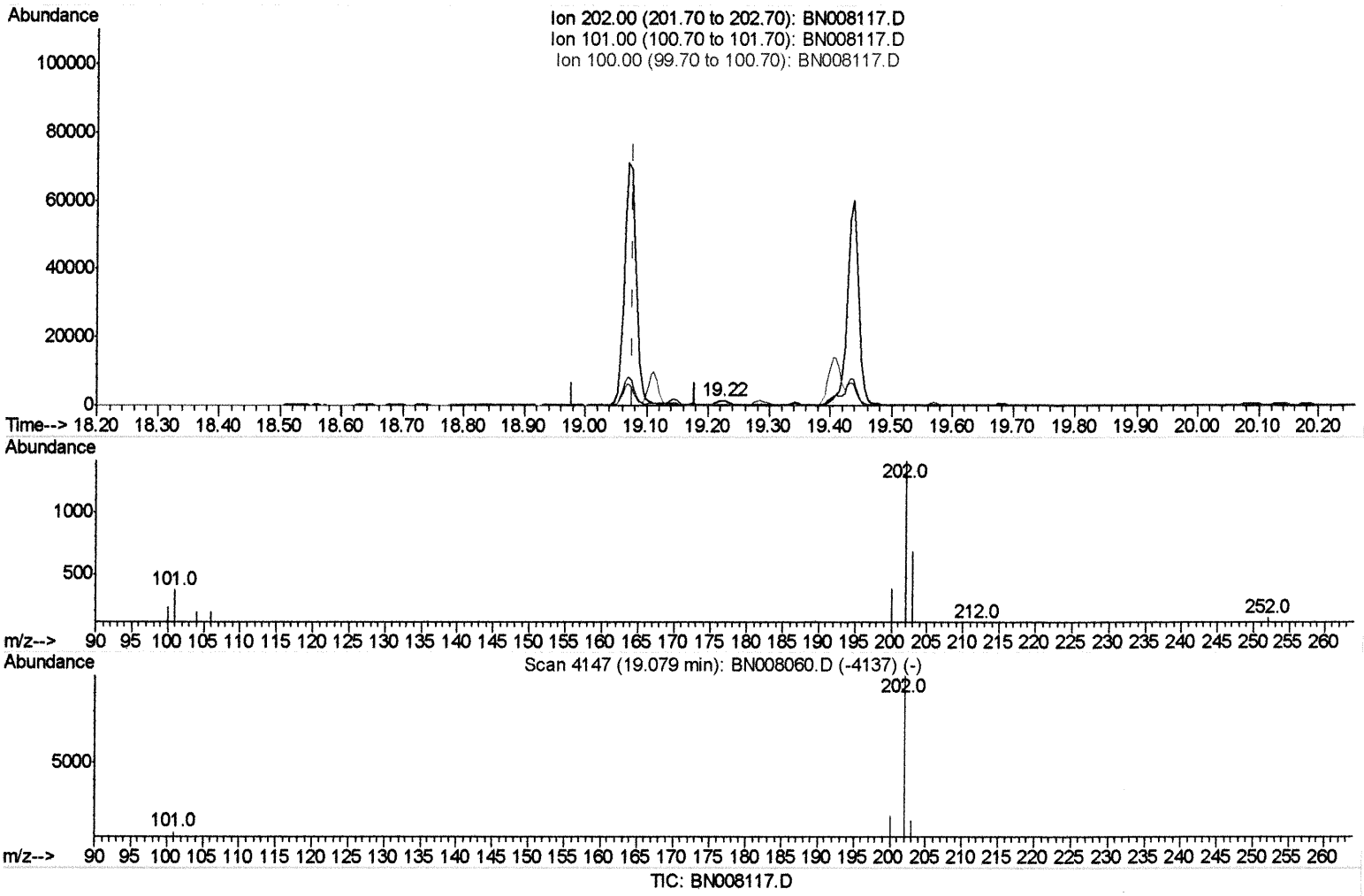
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 13 03:57:57 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 :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM



(15) Fluoranthene (C)

19.223min (+0.144) 0.02ng/ul

response 1425

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	25.98
100.00	8.50	15.66
0.00	0.00	0.00

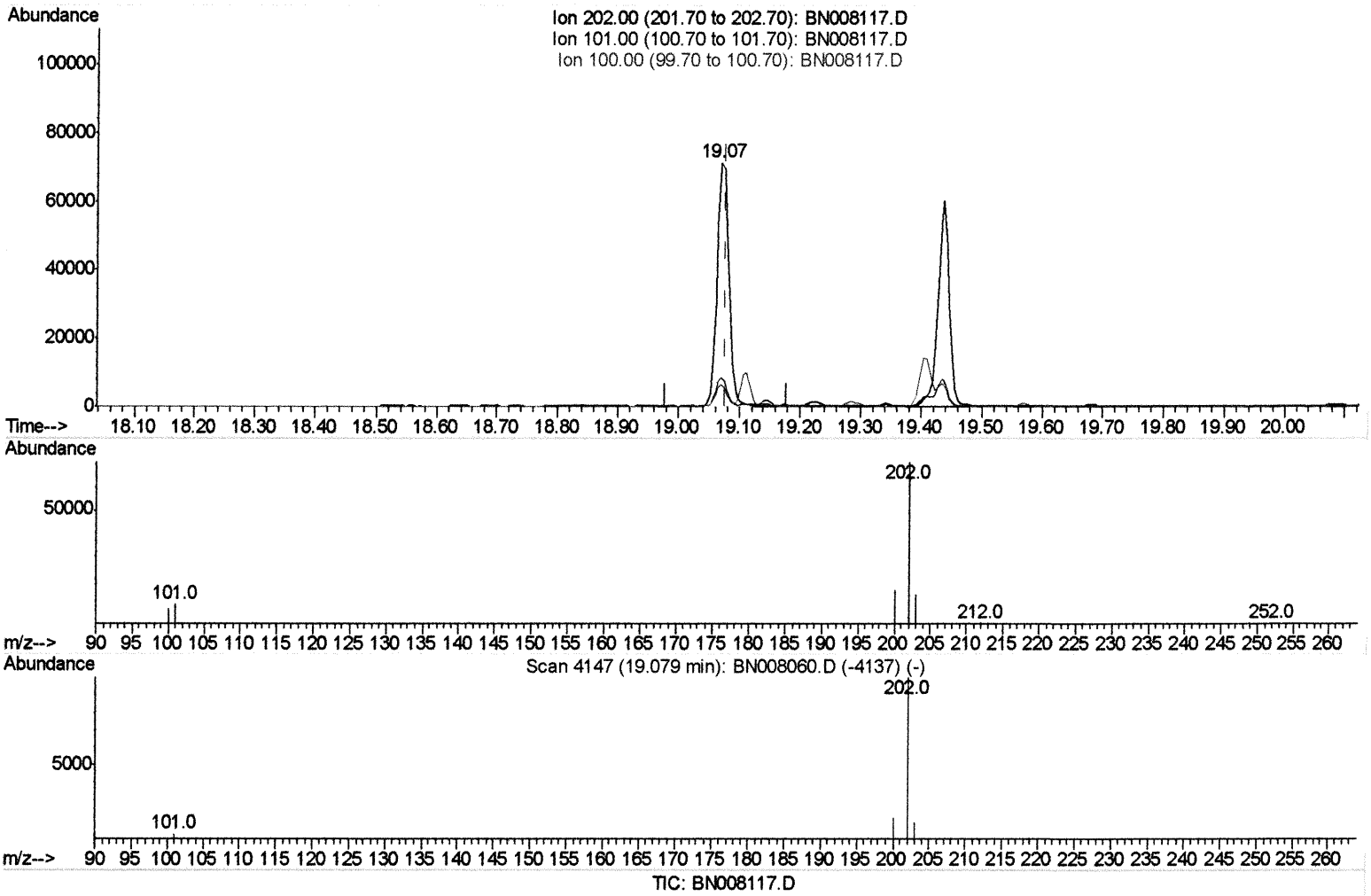
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Oct 13 03:57:57 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 :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM



TIC: BN008117.D

(15) Fluoranthene (C)

19.070min (-0.009) 1.27ng/ul m JH 10/16/19

response 94843

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	11.80
100.00	8.50	8.97
0.00	0.00	0.00

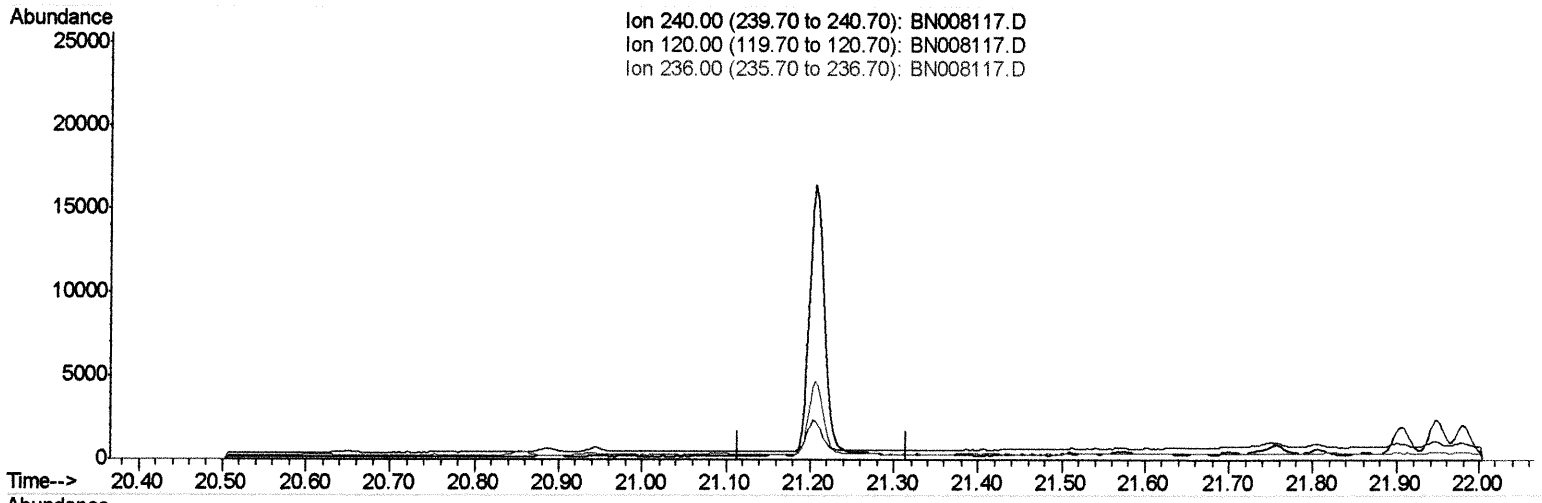
Quantitation Report (Qedit)

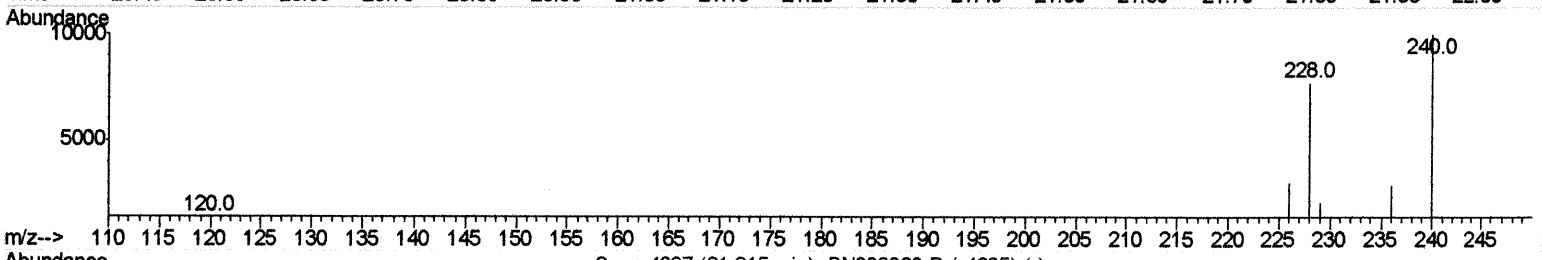
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

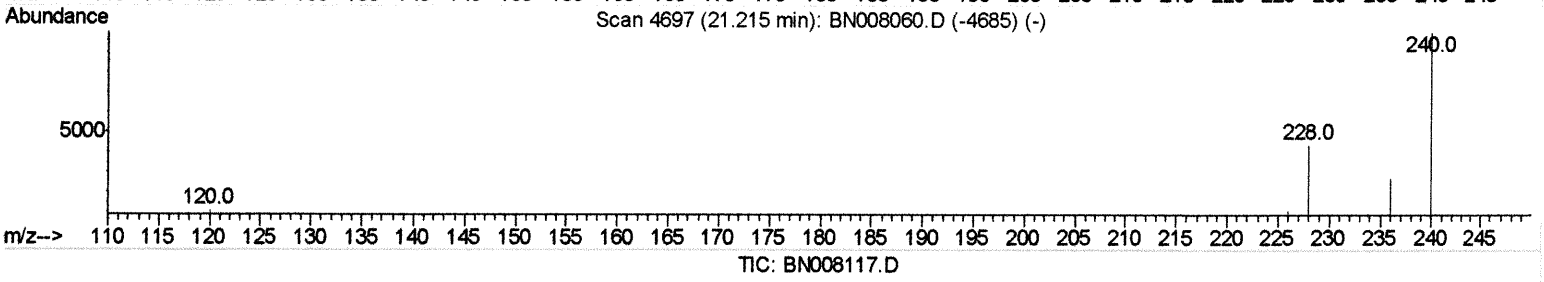
Quant Time: Oct 13 03:57:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(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

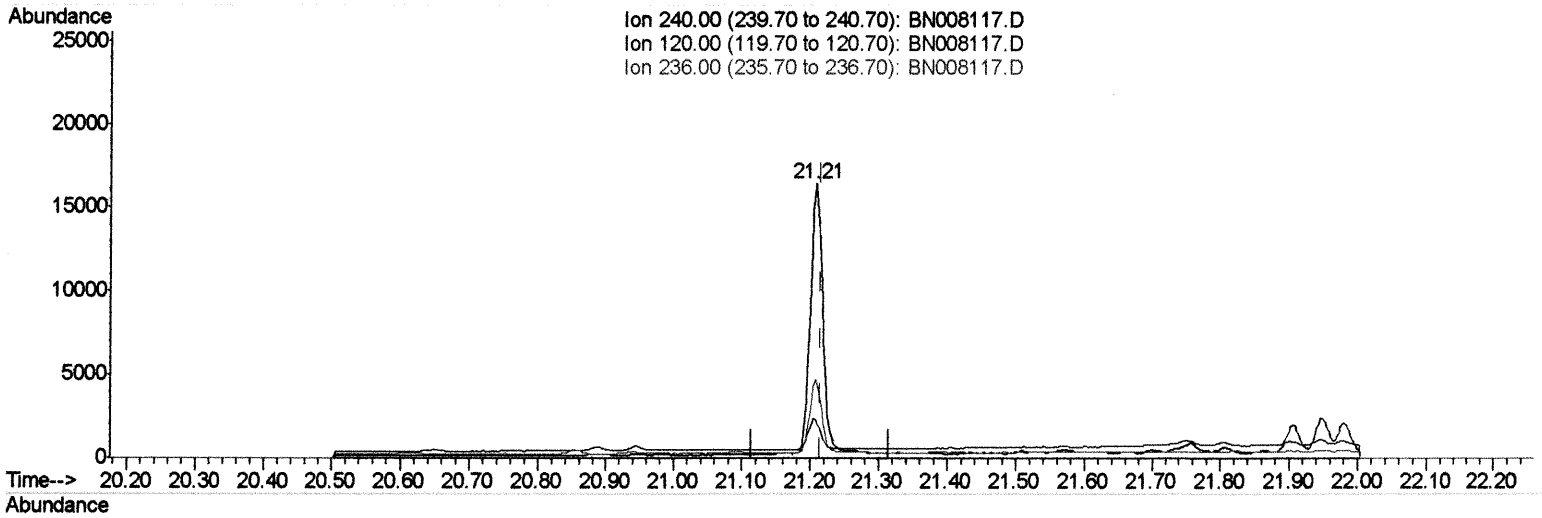
Quantitation Report (Qedit)

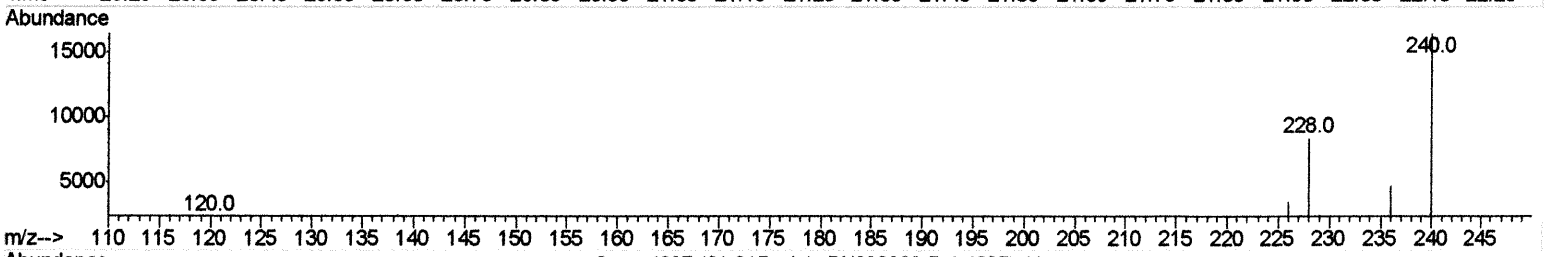
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

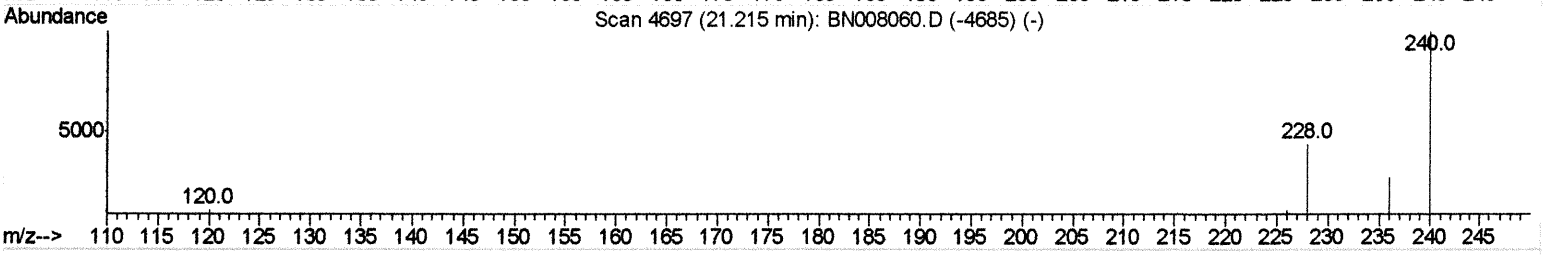
Quant Time: Oct 13 03:57:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(16) Chrysene-d12 (I)

21.207min (-0.009) 0.40ng/ul m JU 10/16/19

response 20709

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.24
236.00	28.40	28.54
0.00	0.00	0.00

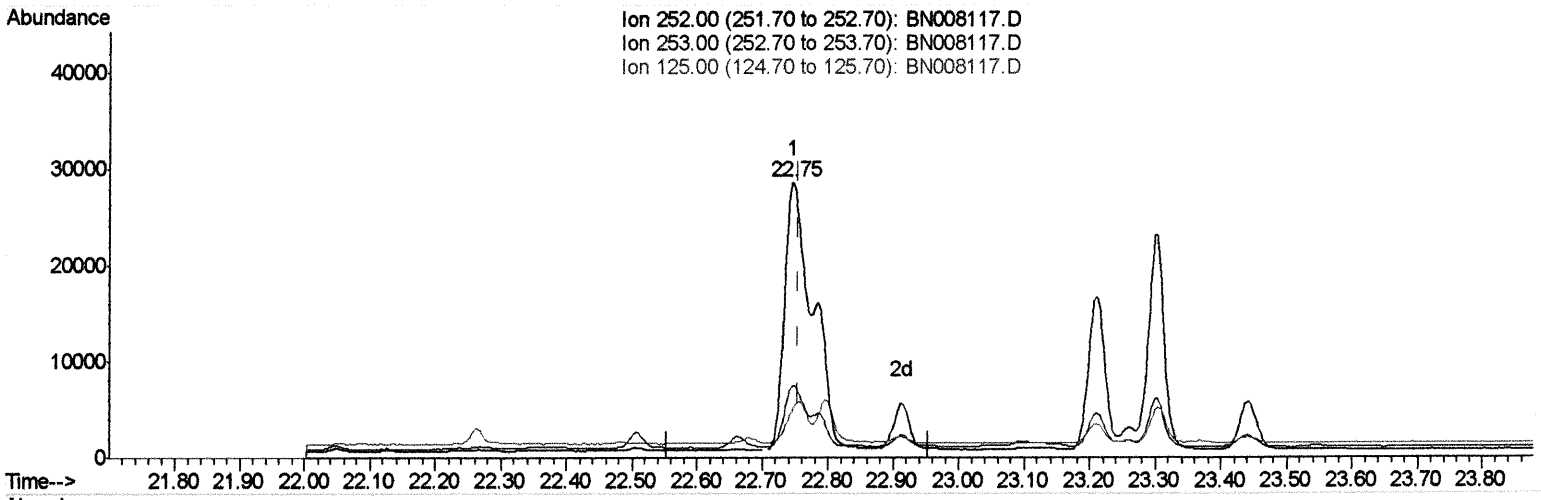
Quantitation Report (Qedit)

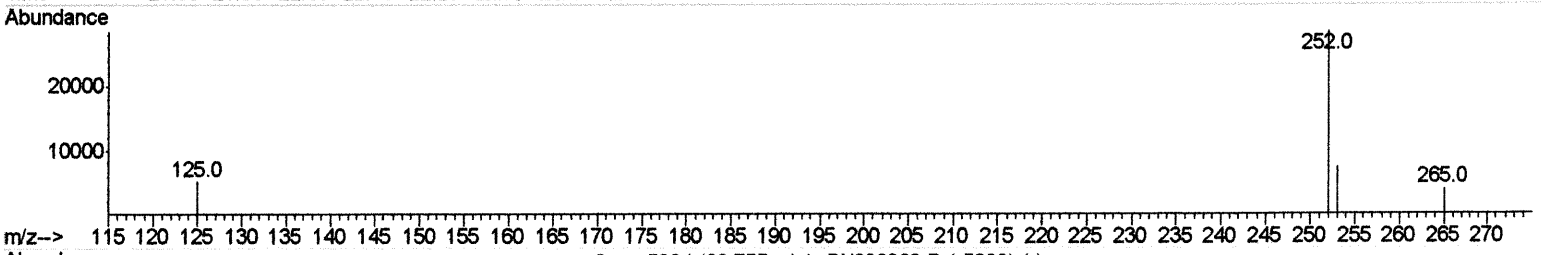
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

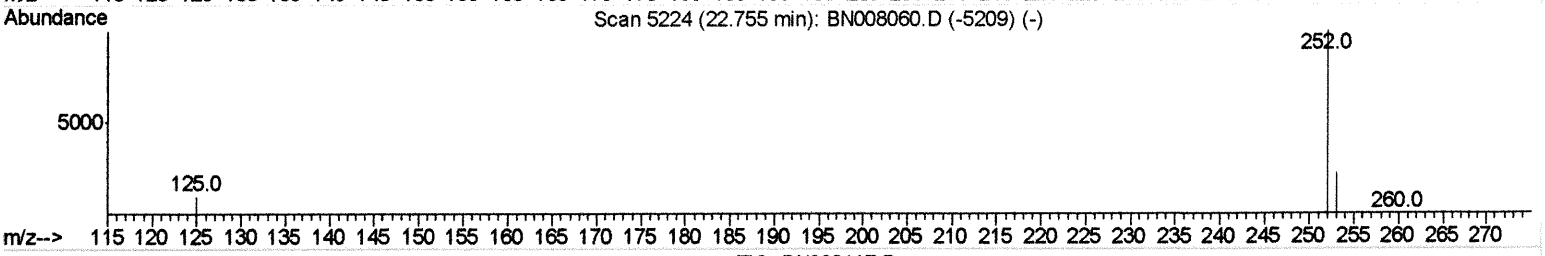
Quant Time: Oct 13 04:01:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(21) Benzo(b)fluoranthene

22.747min (-0.009) 1.26ng/ul

response 83811

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	26.28
125.00	16.20	18.41
0.00	0.00	0.00

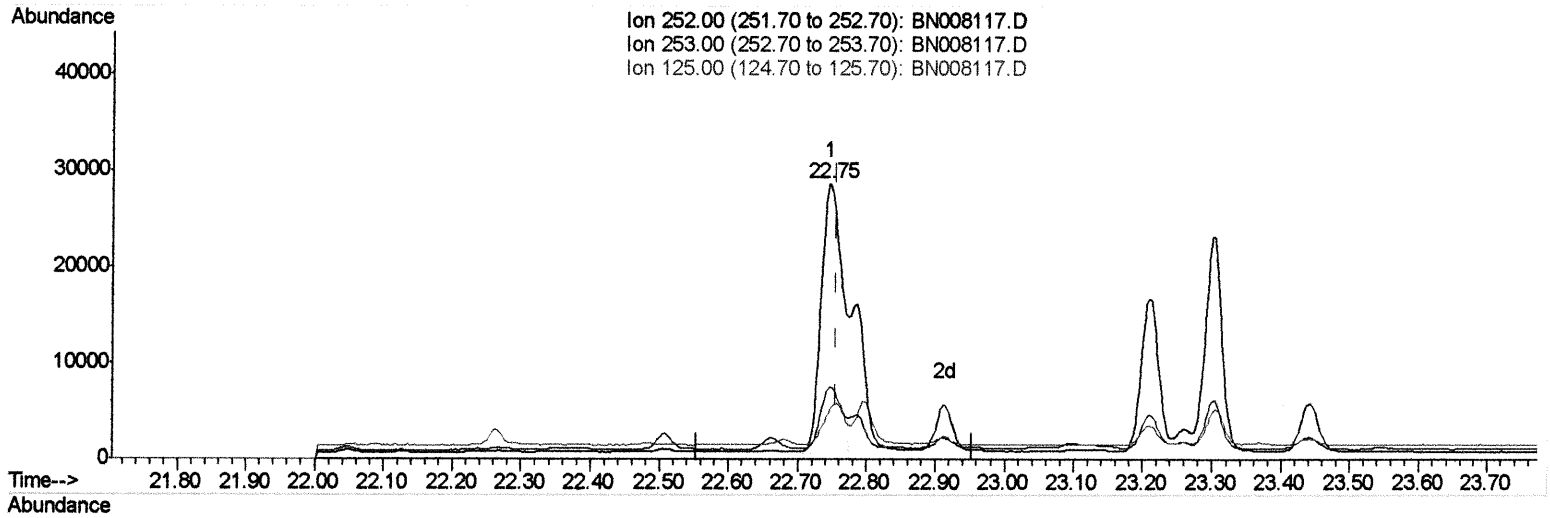
Quantitation Report (Qedit)

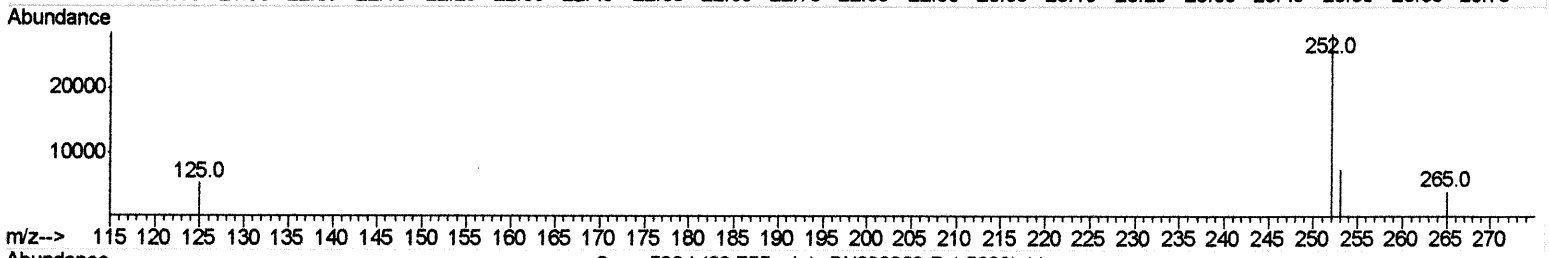
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

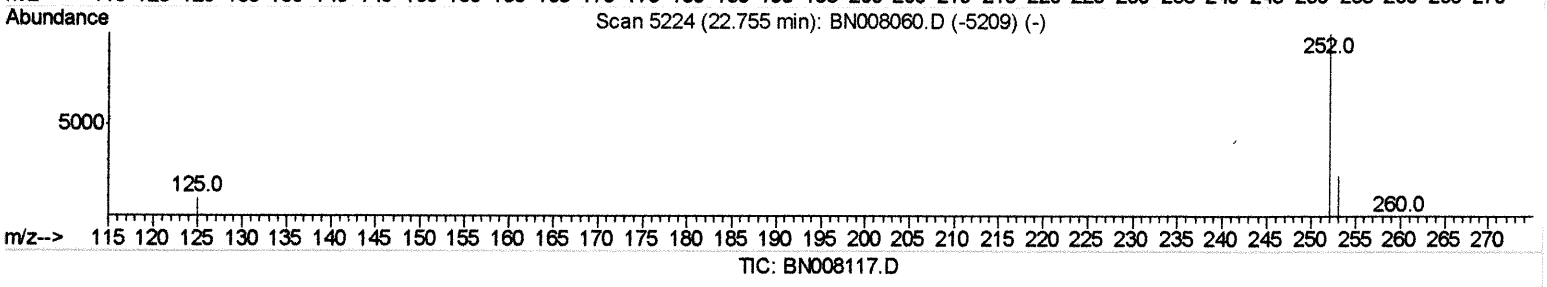
Quant Time: Oct 13 04:01:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(21) Benzo(b)fluoranthene

22.747min (-0.009) 0.91ng/ul m JY 10/16/19

response 60702

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	26.28
125.00	16.20	18.41
0.00	0.00	0.00

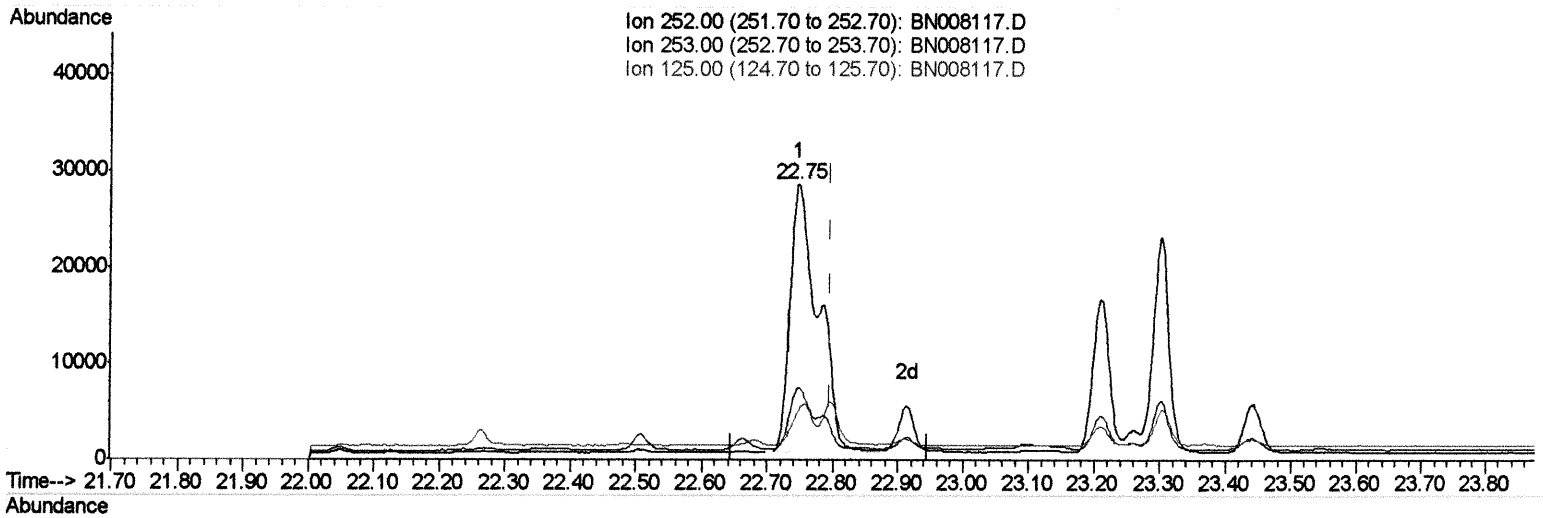
Quantitation Report (Qedit)

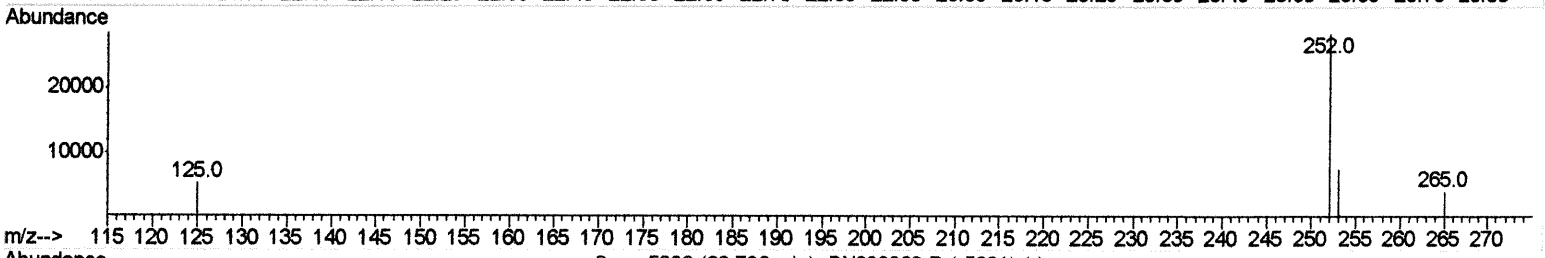
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

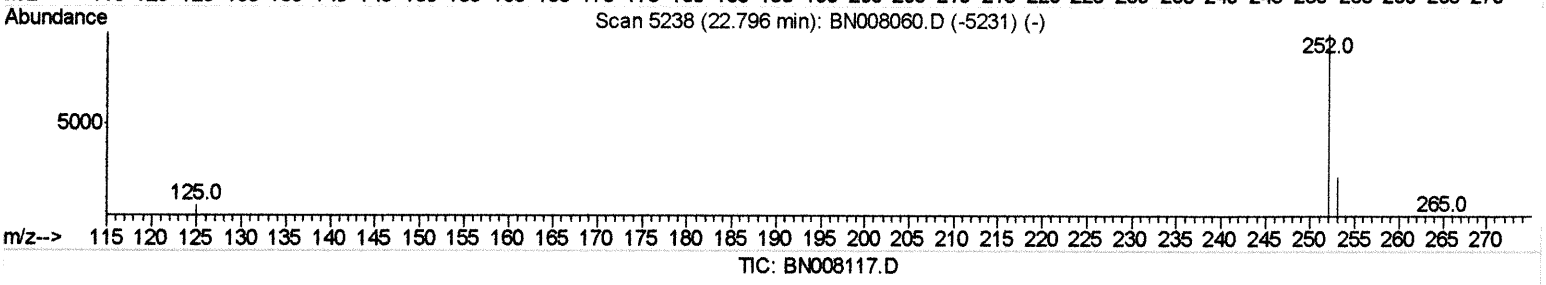
Quant Time: Oct 13 04:01:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(22) Benzo(k)fluoranthene

22.747min (-0.050) 1.11ng/ul

response 83780

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	26.28
125.00	15.40	18.41
0.00	0.00	0.00

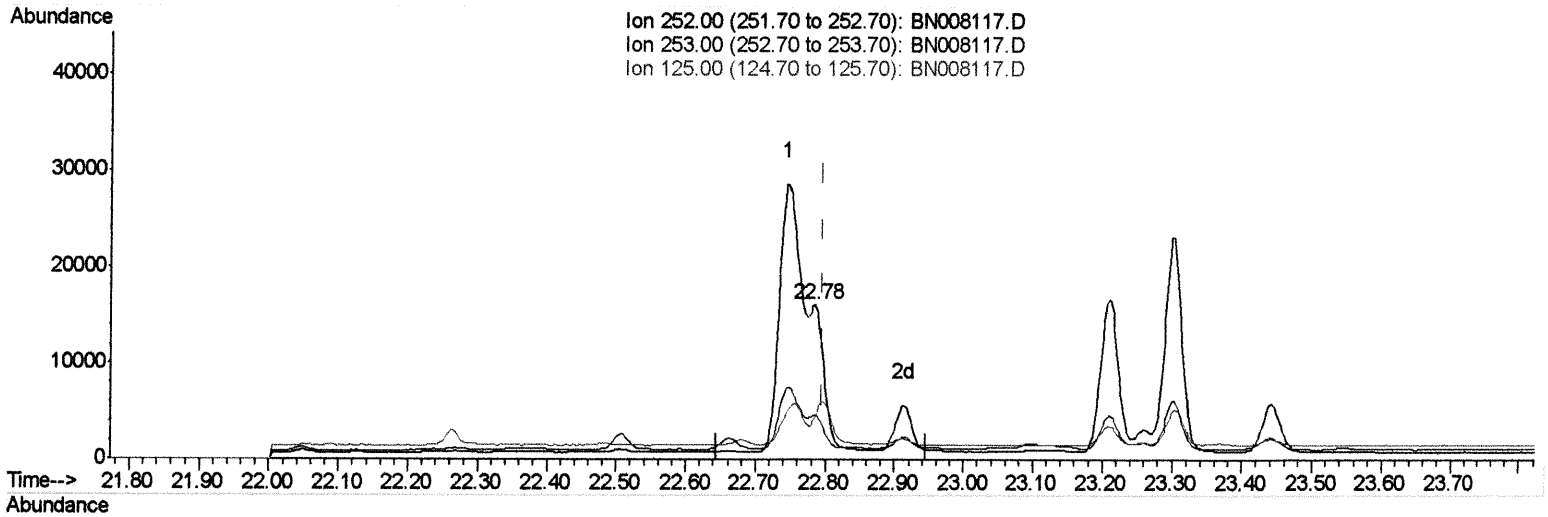
Quantitation Report (Qedit)

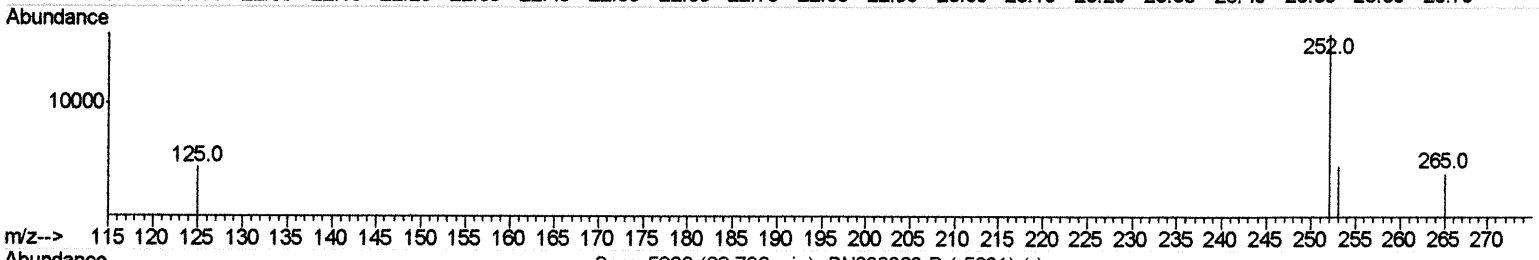
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

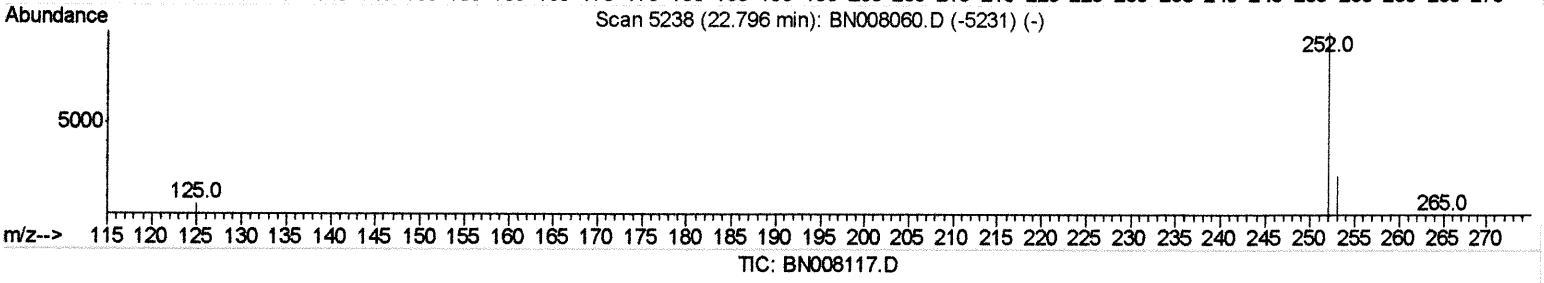
Quant Time: Oct 13 04:01:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 11 19:05:54 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM







TIC: BN008117.D

(22) Benzo(k)fluoranthene

22.785min (-0.012) 0.25ng/ul m JU 10/16/19

response 18821

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.87
125.00	15.40	27.74#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101119\
Data File : BN008117.D
Acq On : 12 Oct 2019 17:44
Operator : JU
Sample : K5178-08
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPF1

Manual Integrations APPROVED
mohammad
10/15/2019 7:58:54 AM

Quant Time: Oct 13 04:02:59 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	2608	0.40	ng/ul	-0.01	
2) Naphthalene-d8	10.39	136	12614	0.40	ng/ul	-0.01	
6) Acenaphthene-d10	14.26	164	8240	0.40	ng/ul	0.00	
10) Phenanthrene-d10	17.01	188	19355m	0.40	ng/ul	0.00	JU 10/16/19
16) Chrysene-d12	21.21	240	20709m	0.40	ng/ul	0.00	
20) Perylene-d12	23.40	264	20498	0.40	ng/ul	-0.01	
System Monitoring Compounds							
4) 2-Methylnaphthalene-d10	11.99	152	4826	0.23	ng/ul	-0.01	JU 10/16/19
14) Fluoranthene-d10	19.04	212	16776m	0.25	ng/ul	0.00	
Target Compounds						Qvalue	
3) Naphthalene	10.44	128	762	0.021	ng/ul#	71	
7) Acenaphthylene	13.98	152	3081	0.079	ng/ul#	92	
8) Acenaphthene	14.32	153	1013	0.033	ng/ul	96	
9) Fluorene	15.31	166	1364	0.039	ng/ul#	93	
12) Phenanthrene	17.05	178	32341m	0.571	ng/ul		JU 10/16/19
13) Anthracene	17.14	178	6325m	0.127	ng/ul		
15) Fluoranthene	19.07	202	94843m	1.267	ng/ul		
17) Pyrene	19.44	202	78706	0.955	ng/ul	98	
18) Benzo(a)anthracene	21.19	228	45150	0.600	ng/ul	97	
19) Chrysene	21.24	228	51357	0.556	ng/ul	98	
21) Benzo(b)fluoranthene	22.75	252	60702m	0.910	ng/ul		JU 10/16/19
22) Benzo(k)fluoranthene	22.78	252	18821m	0.249	ng/ul		
23) Benzo(a)pyrene	23.30	252	37597	0.535	ng/ul	98	
24) Indeno(1,2,3-cd)pyrene	25.57	276	22674	0.274	ng/ul#	98	
25) Dibenzo(a,h)anthracene	25.58	278	5077	0.078	ng/ul#	55	
26) Benzo(g,h,i)perylene	26.23	276	21352	0.282	ng/ul	95	

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