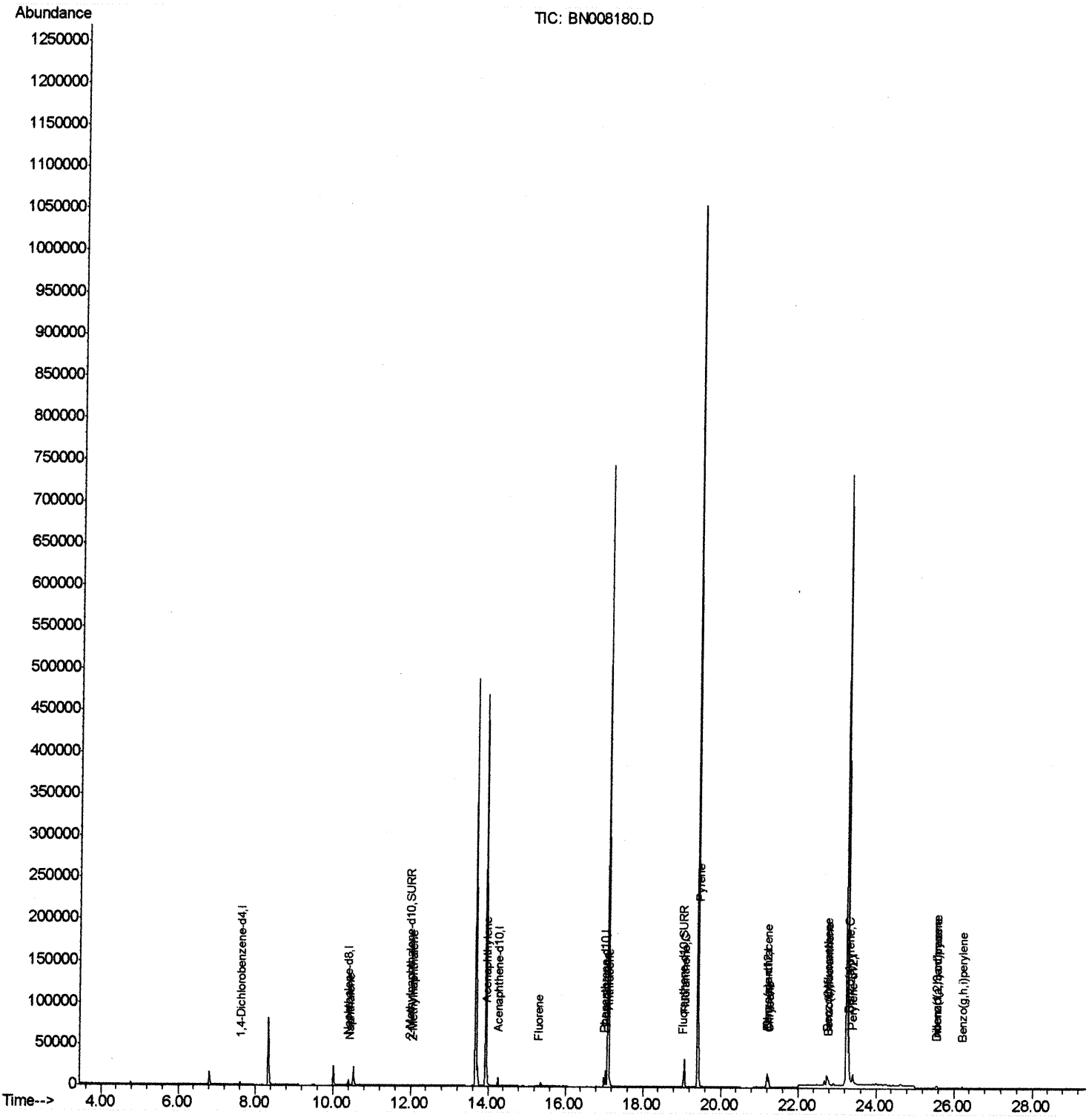
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Oct 16 04:09:12 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 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM



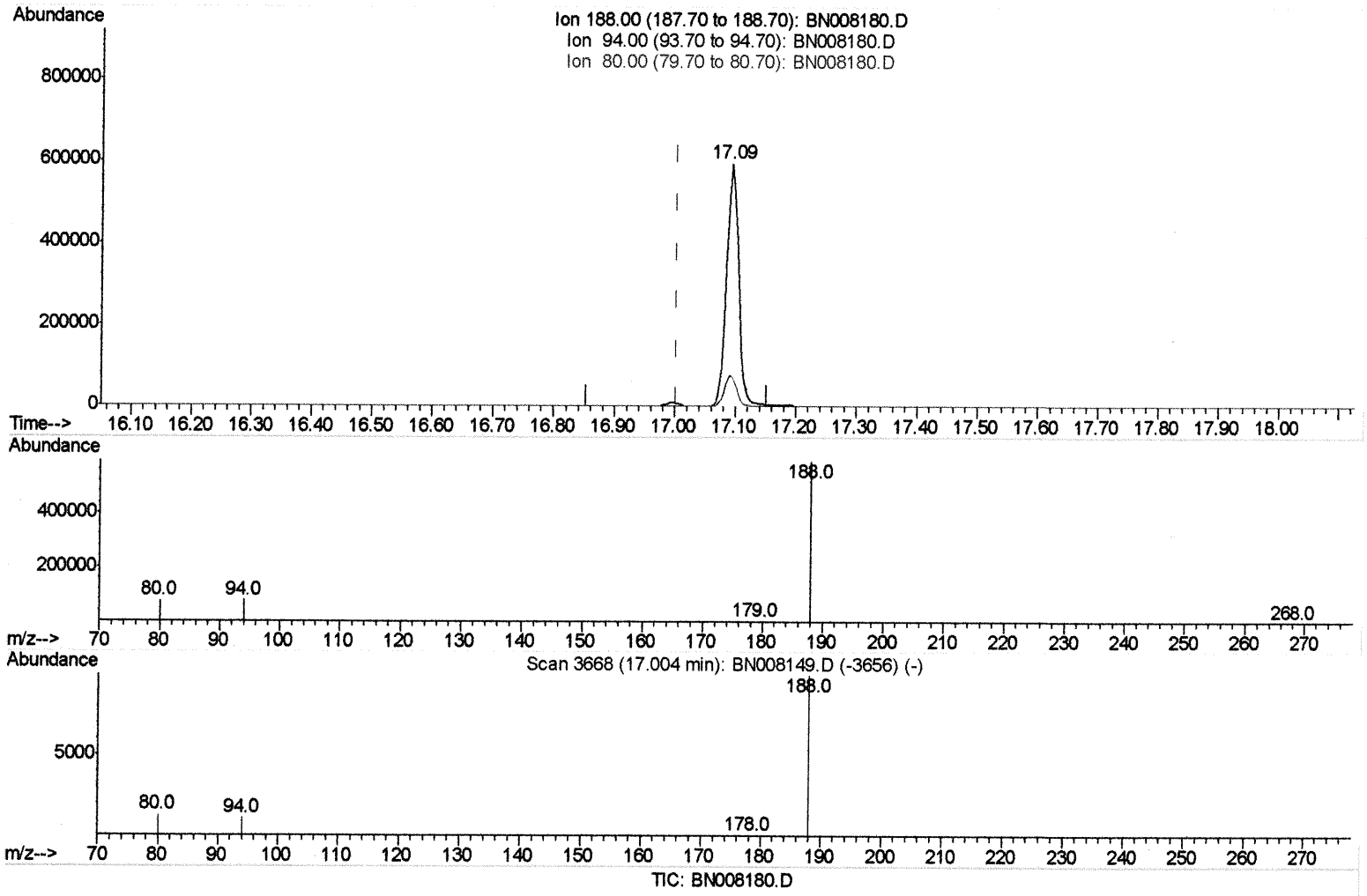
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Oct 16 03:43:01 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 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM



TIC: BN008180.D

(10) Phenanthrene-d10 (I)

17.093min (+0.089) 0.40ng/ul

response 819589

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.84
80.00	12.60	12.62
0.00	0.00	0.00

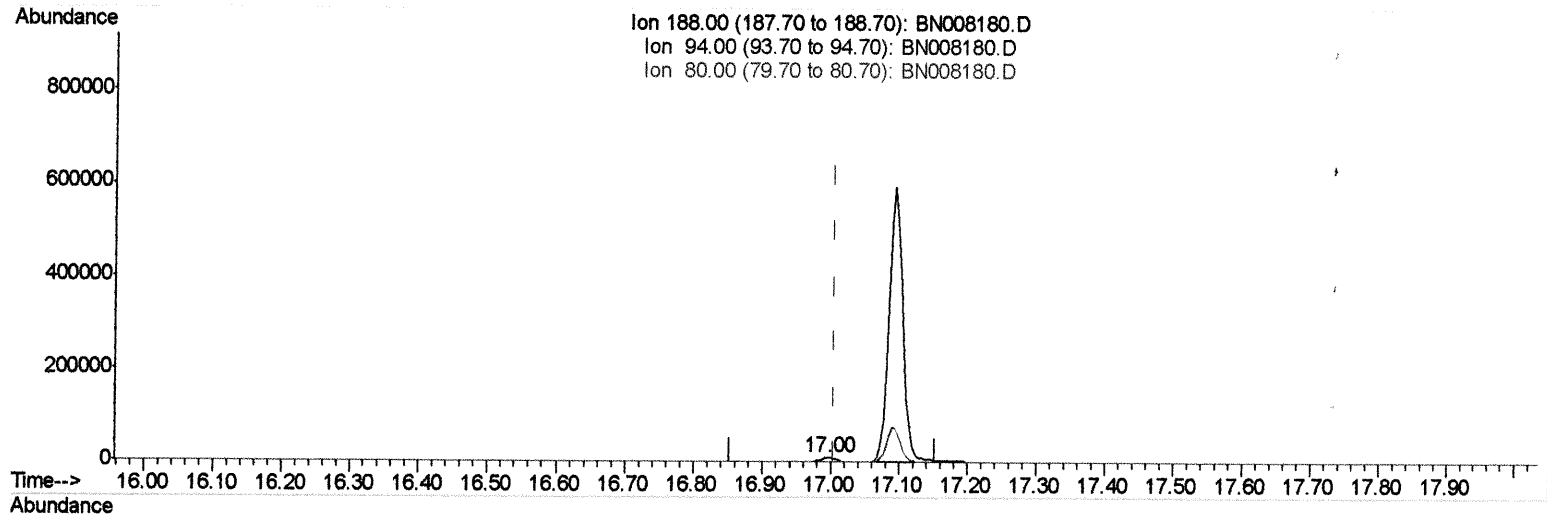
Quantitation Report (Qedit)

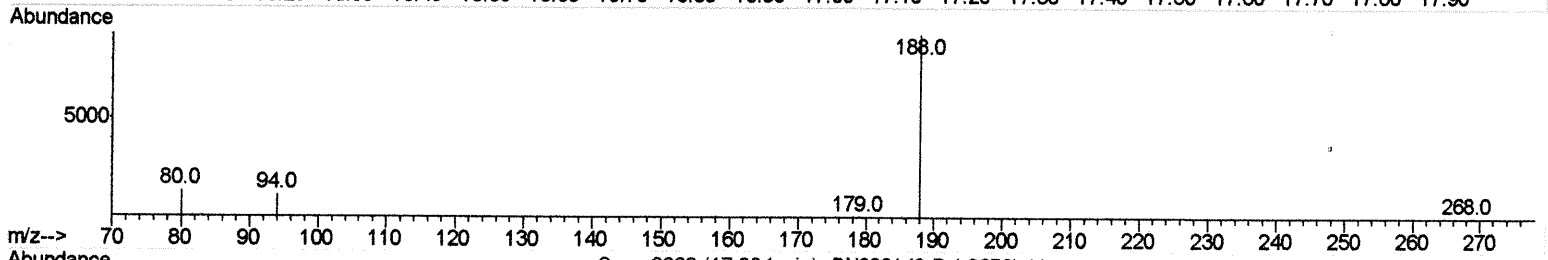
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

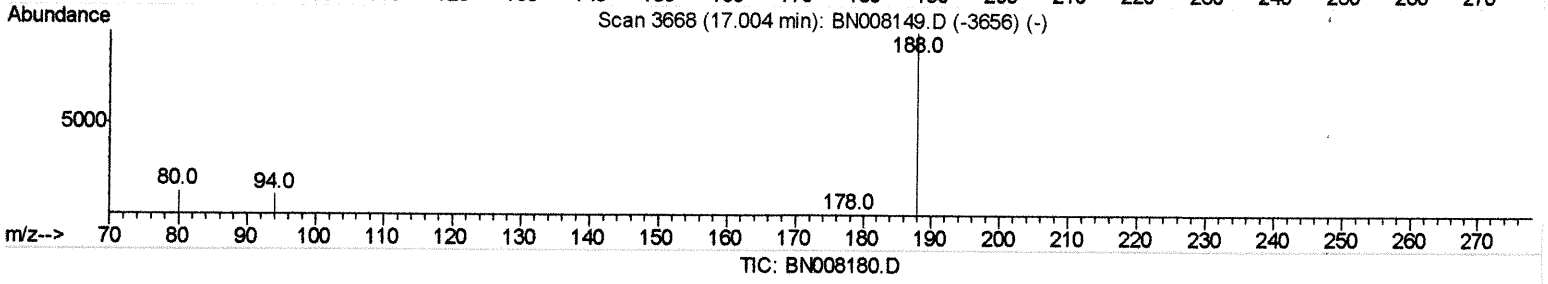
Quant Time: Oct 16 03:43:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM







(10) Phenanthrene-d10 (I)

16.996min (-0.008) 0.40ng/ul m

response 13565

JU 10/21/19

Ion	Exp%	Act%
188.00	100	100
94.00	10.90	12.18
80.00	12.60	14.16
0.00	0.00	0.00

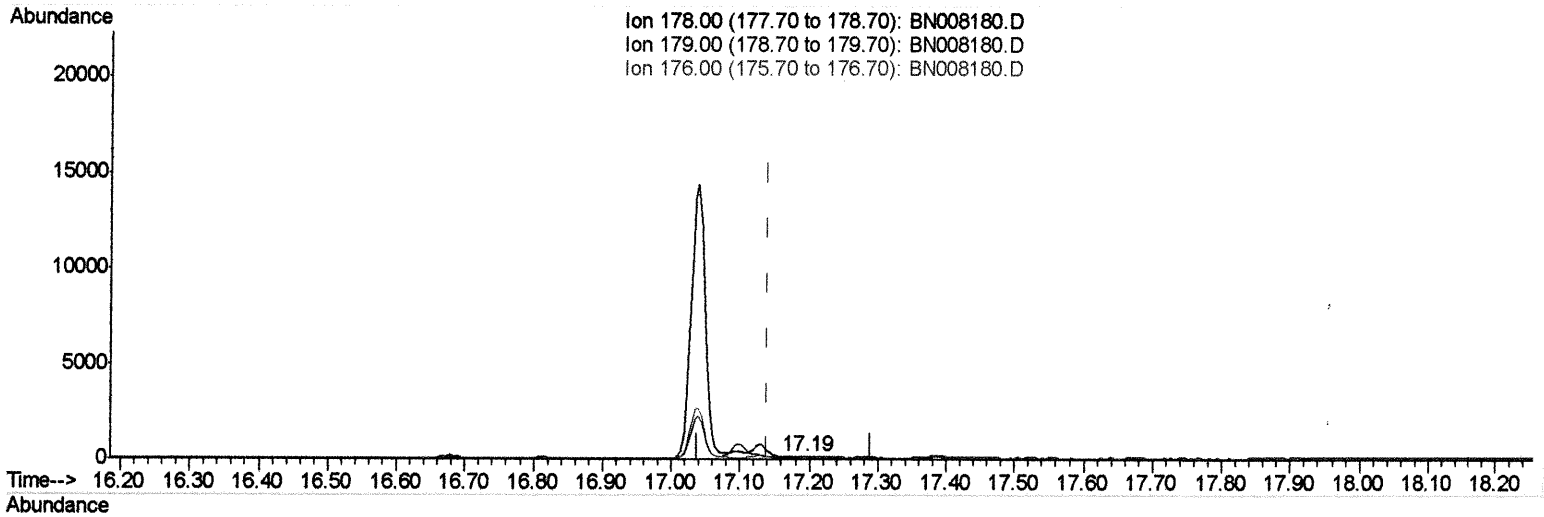
Quantitation Report (Qedit)

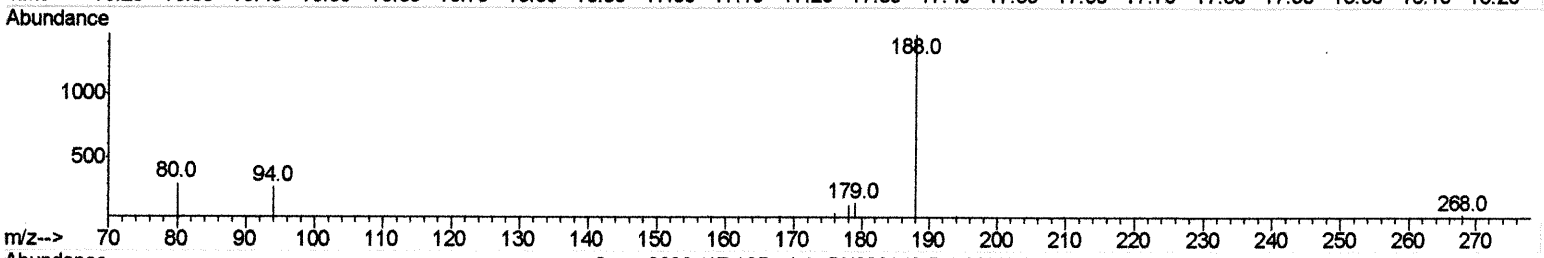
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

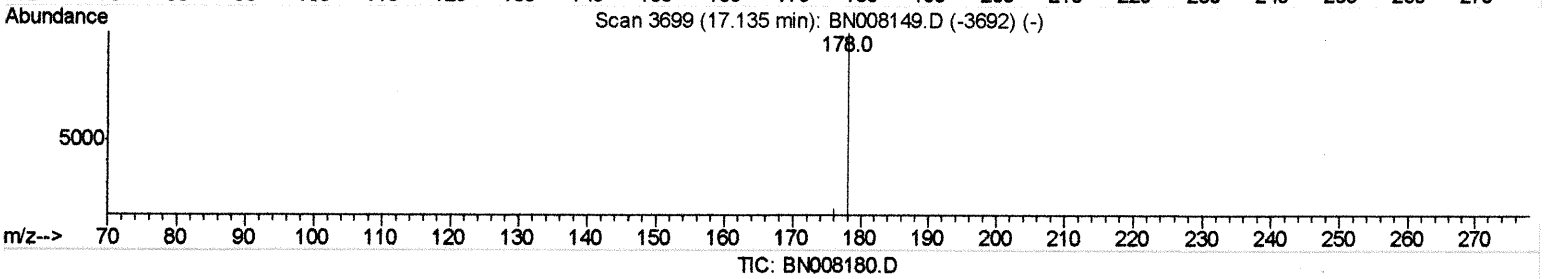
Quant Time: Oct 16 04:05:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM







(13) Anthracene

17.195min (+0.055) 0.00ng/ul

response 90

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	114.39#
176.00	18.80	60.61#
0.00	0.00	0.00

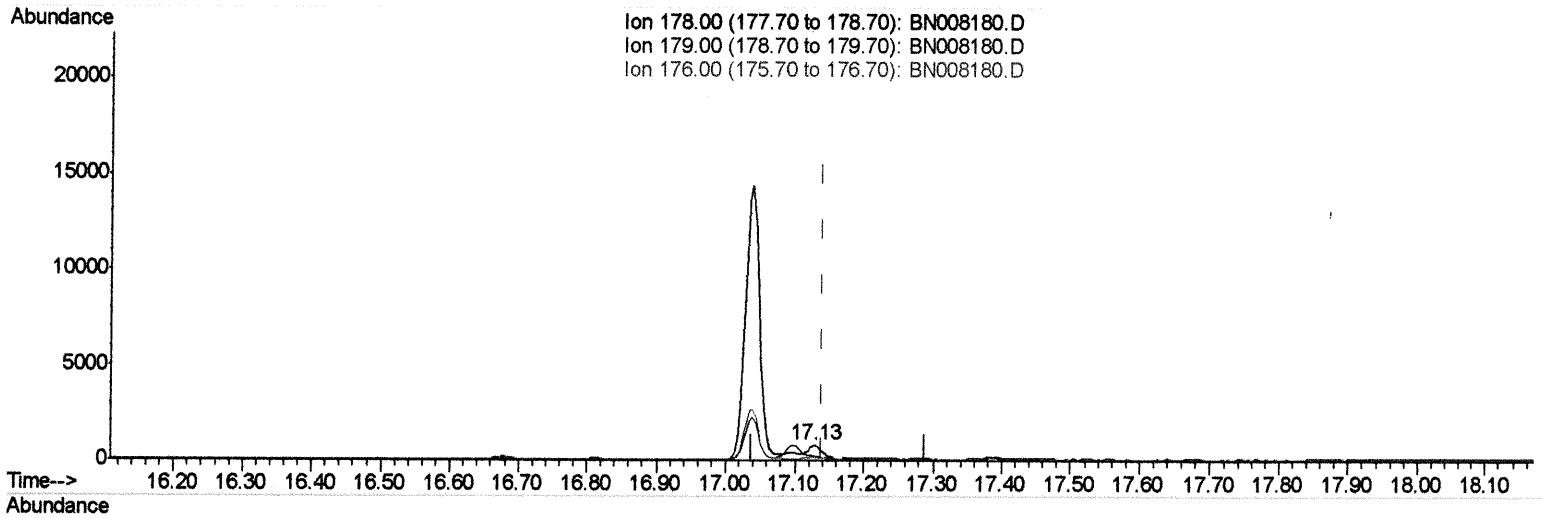
Quantitation Report (Qedit)

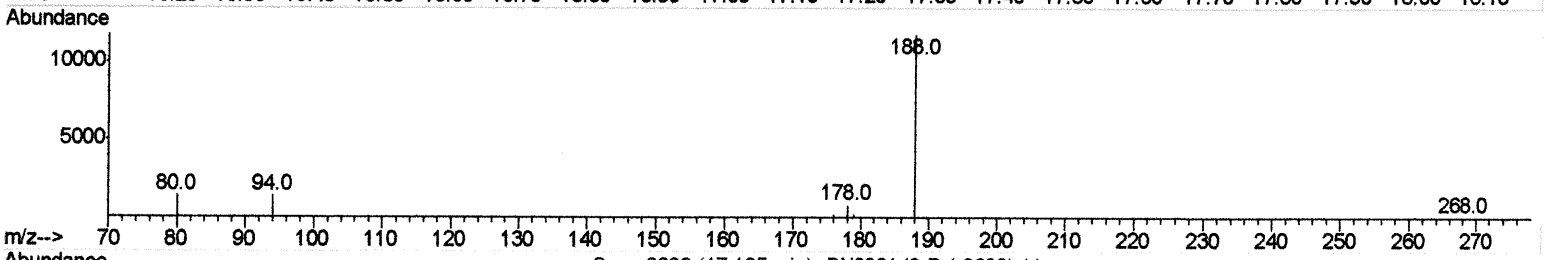
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

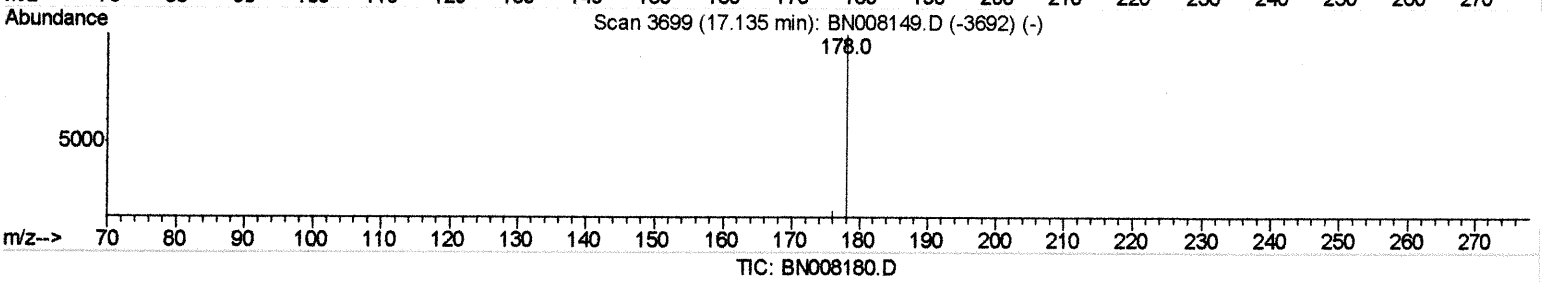
Quant Time: Oct 16 04:05:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM







TIC: BN008180.D

(13) Anthracene

17.127min (-0.013) 0.03ng/ul m

response 1004

JU 10/21/19

Ion	Exp%	Act%
178.00	100	100
179.00	16.30	29.63#
176.00	18.80	25.62#
0.00	0.00	0.00

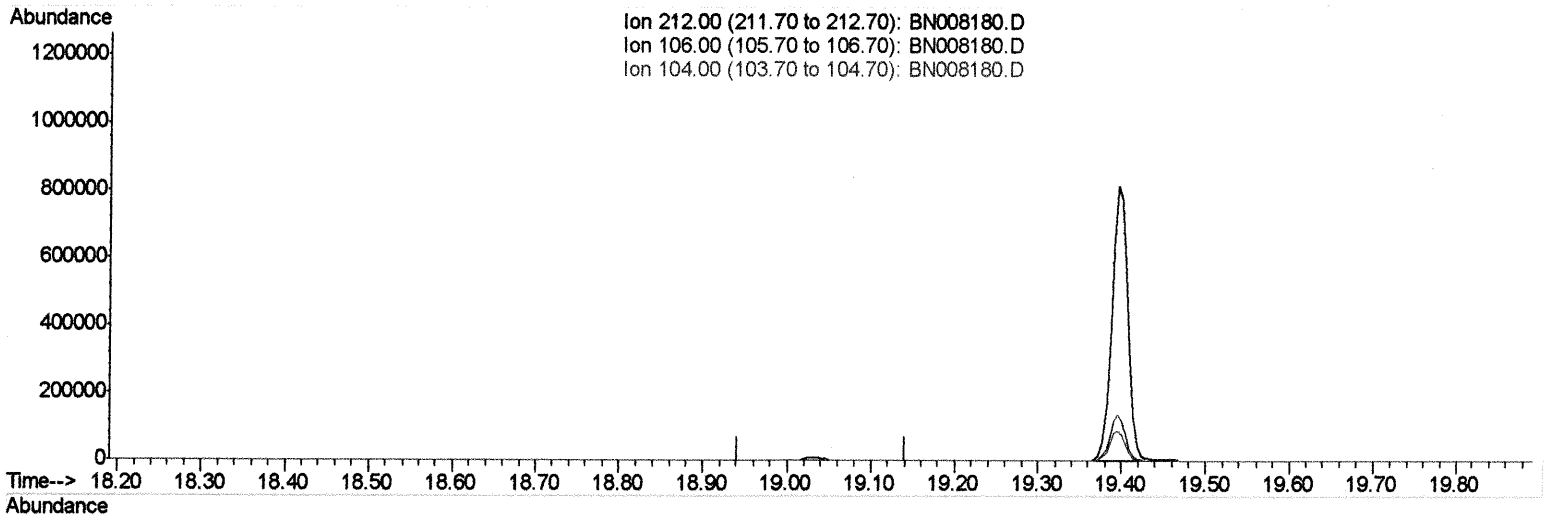
Quantitation Report (Qedit)

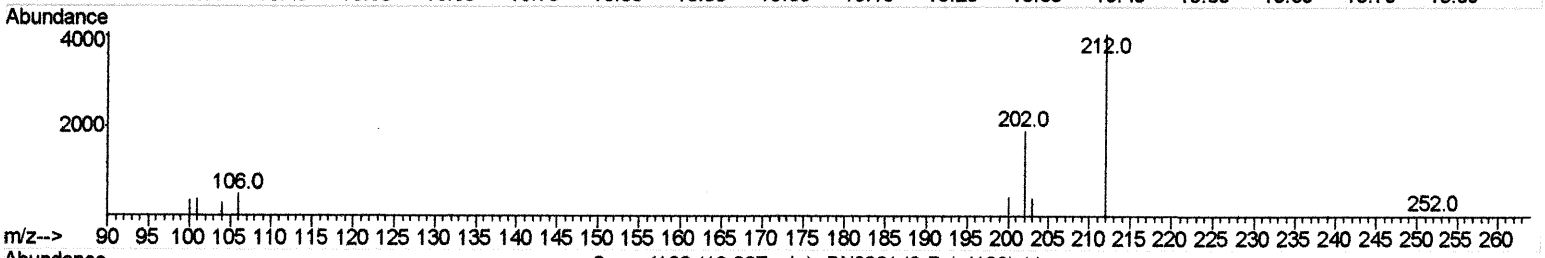
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

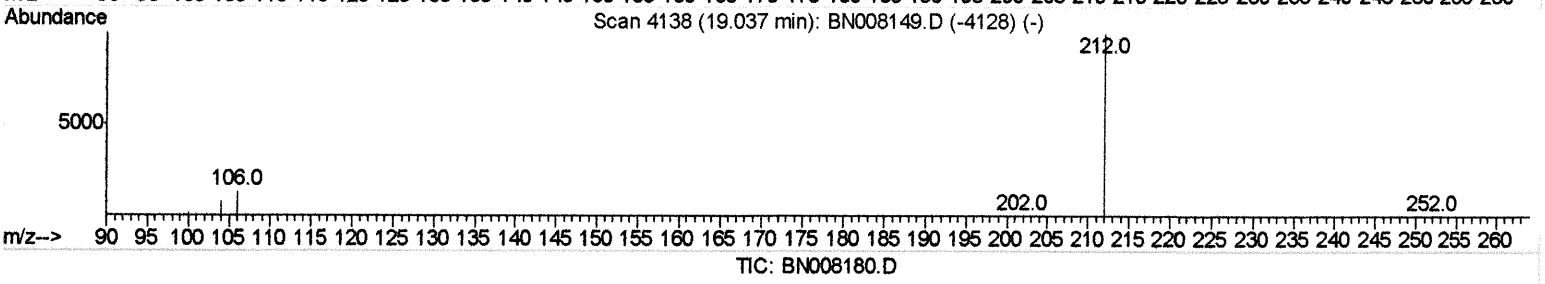
Quant Time: Oct 16 04:05:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 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

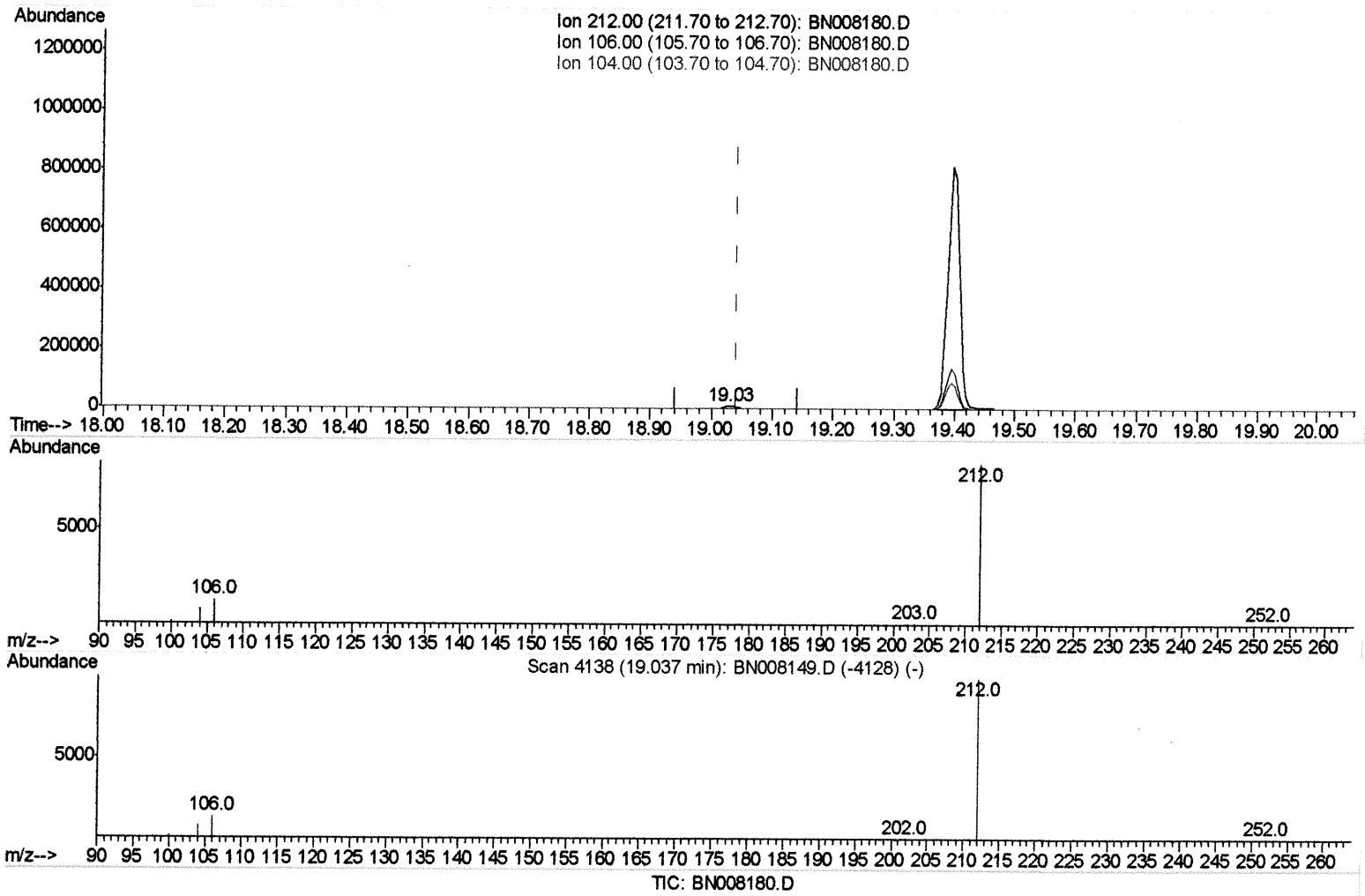
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Oct 16 04:05:24 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 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM



(14) Fluoranthene-d10 (SURR)

19.028min (-0.014) 0.25ng/ul m

response 11811

JU 10/21/19

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

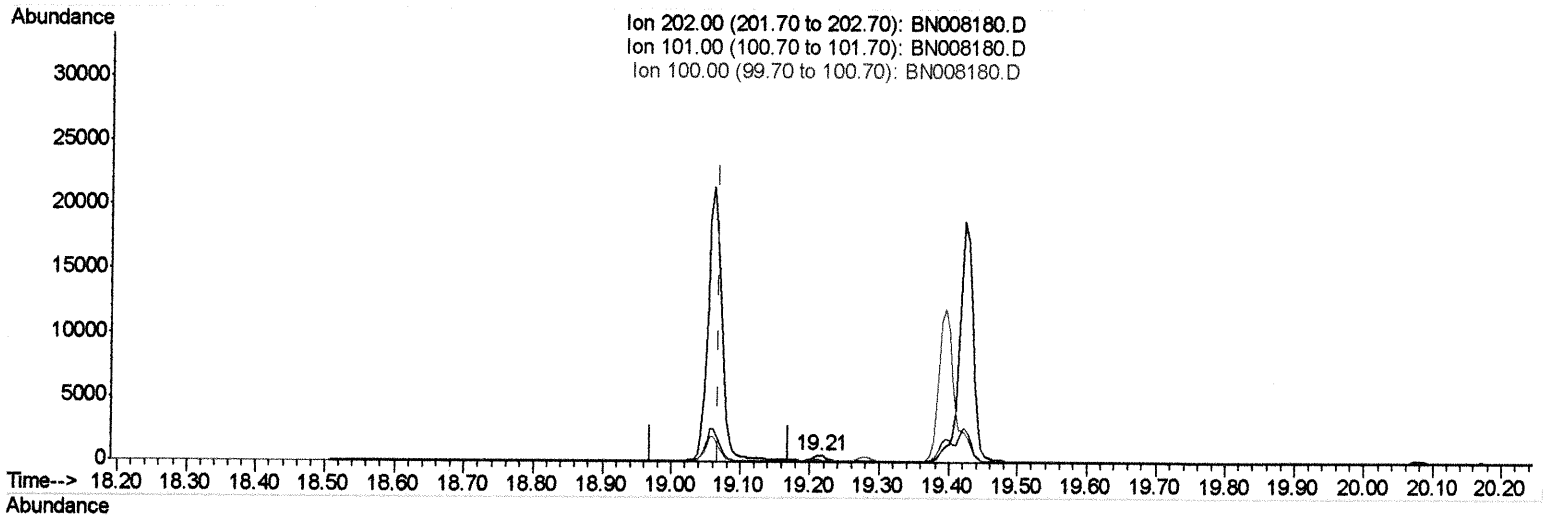
Quantitation Report (Qedit)

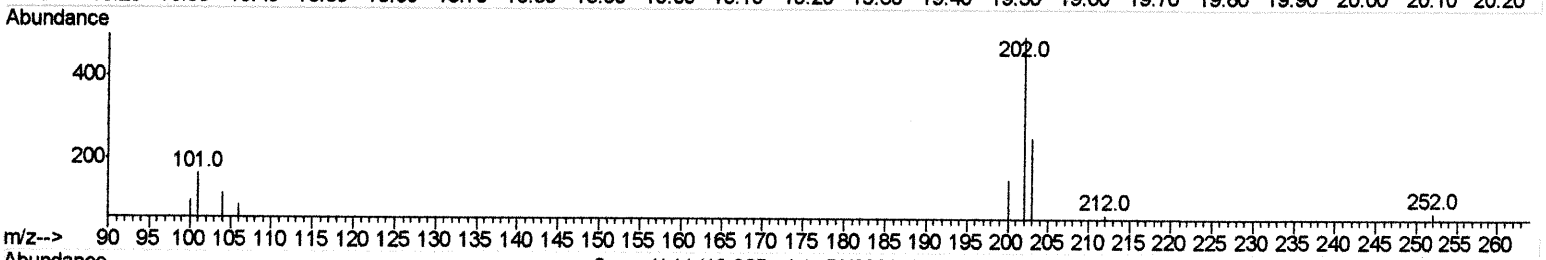
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

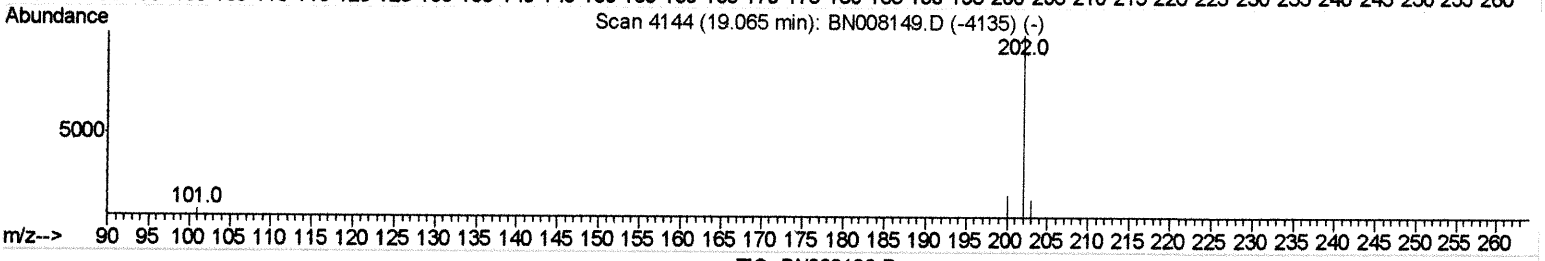
Quant Time: Oct 16 04:05:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM







(15) Fluoranthene (C)

19.214min (+0.144) 0.01ng/ul

response 475

Ion	Exp%	Act%
202.00	100	100
101.00	11.20	32.87#
100.00	8.50	20.04
0.00	0.00	0.00

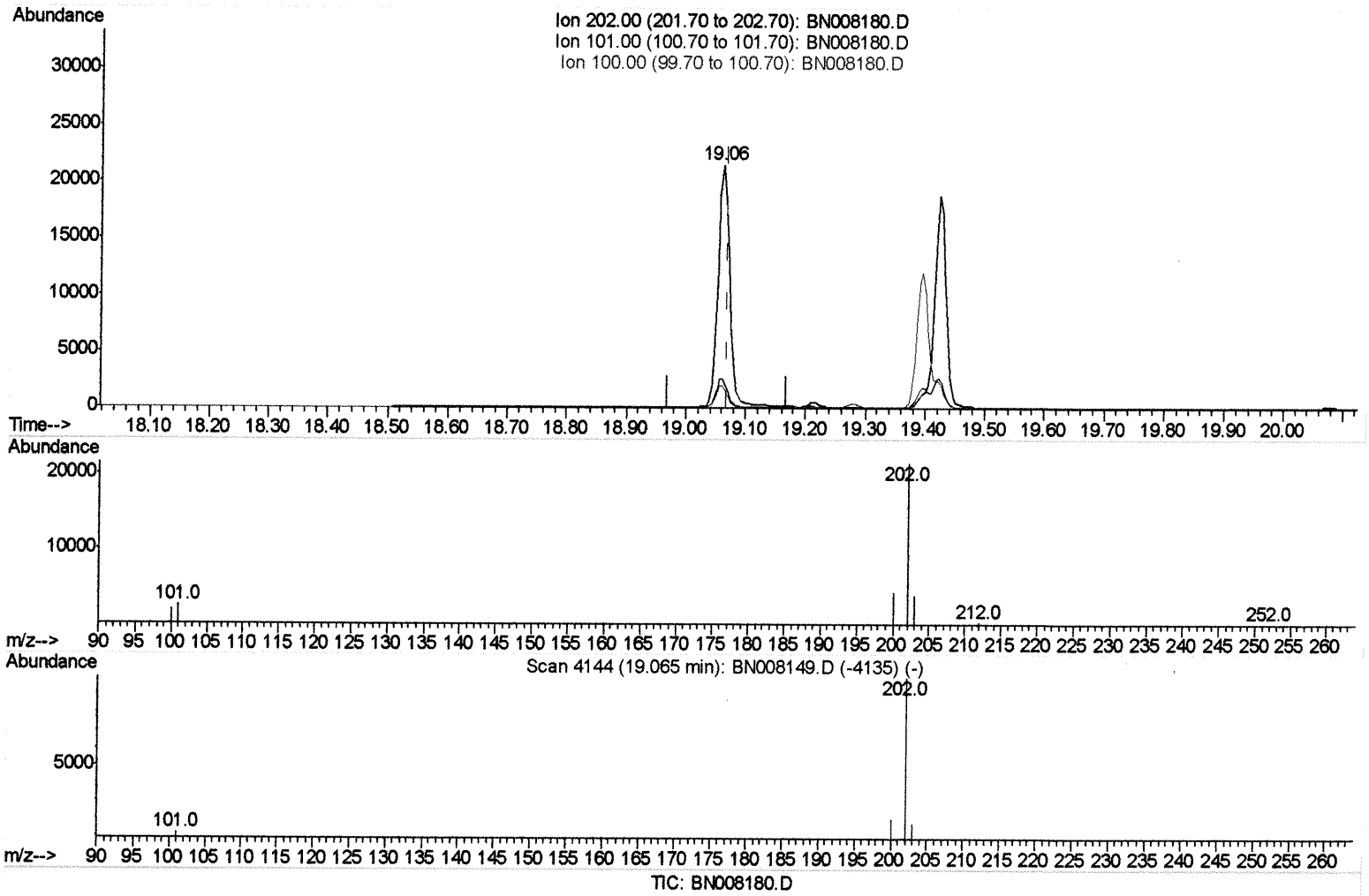
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Oct 16 04:05:24 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 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM



TIC: BN008180.D

(15) Fluoranthene (C)

19.061min (-0.009) 0.57ng/ul m

response 29704

JU 10/21/19

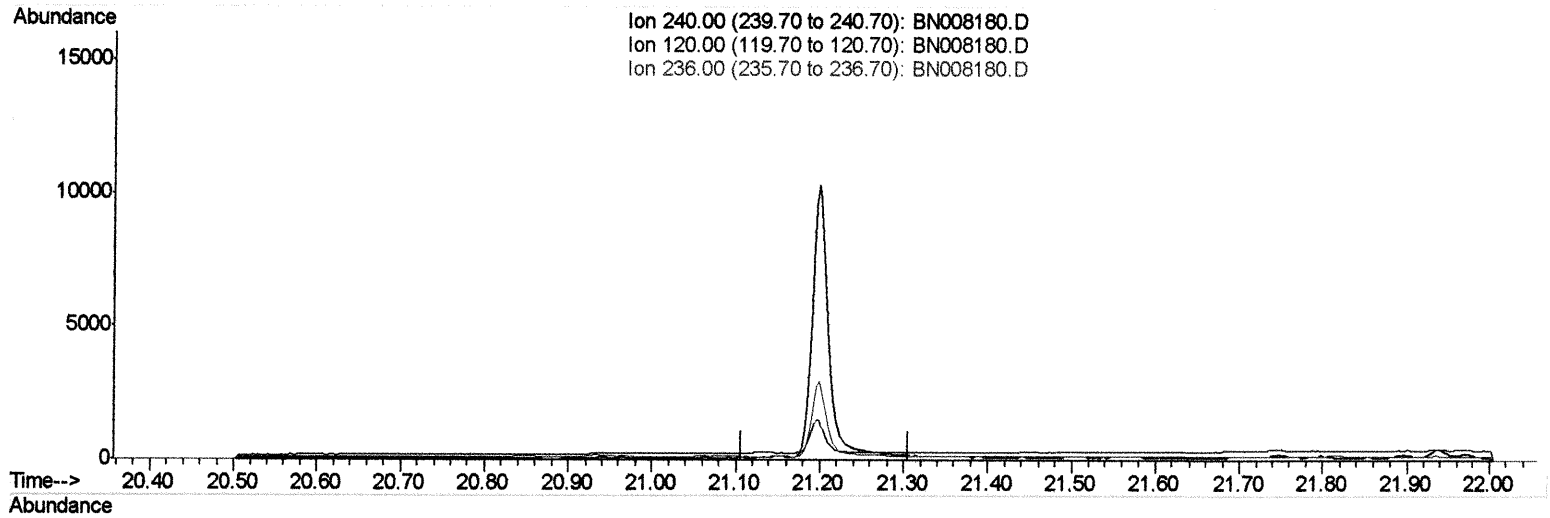
Ion	Exp%	Act%
202.00	100	100
101.00	11.20	11.86
100.00	8.50	9.15
0.00	0.00	0.00

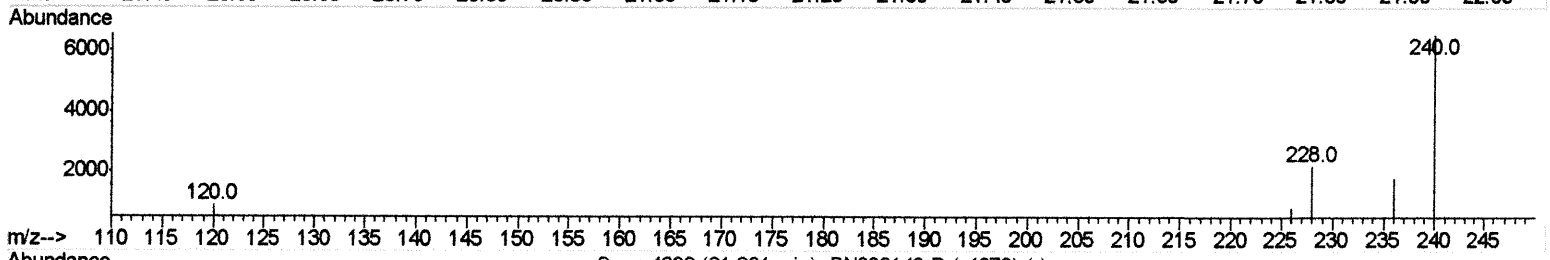
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

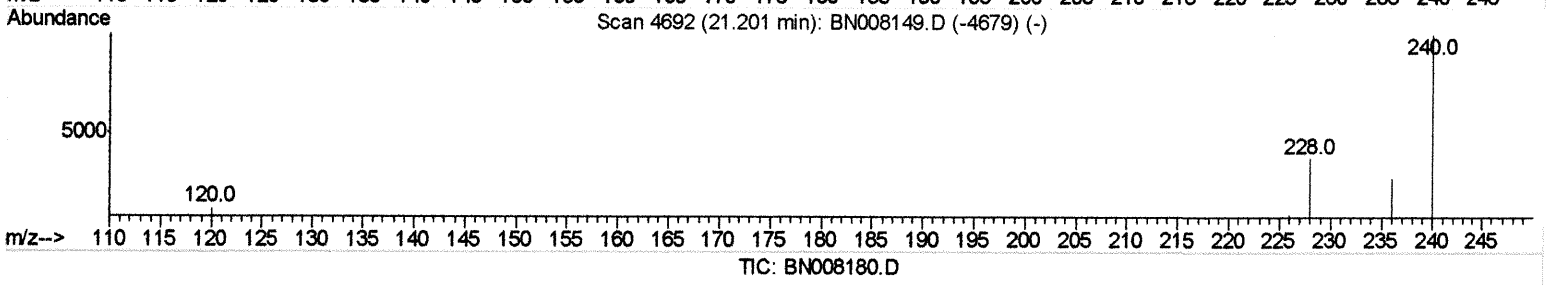
Quant Time: Oct 16 04:05:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM







(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

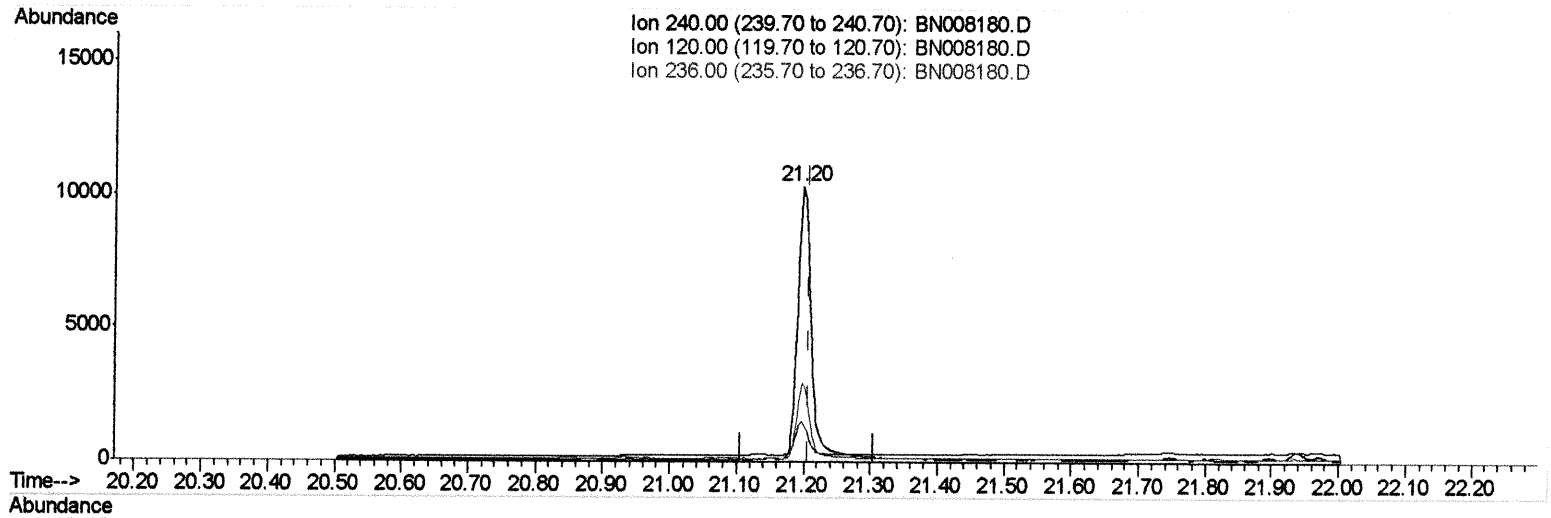
Quantitation Report (Qedit)

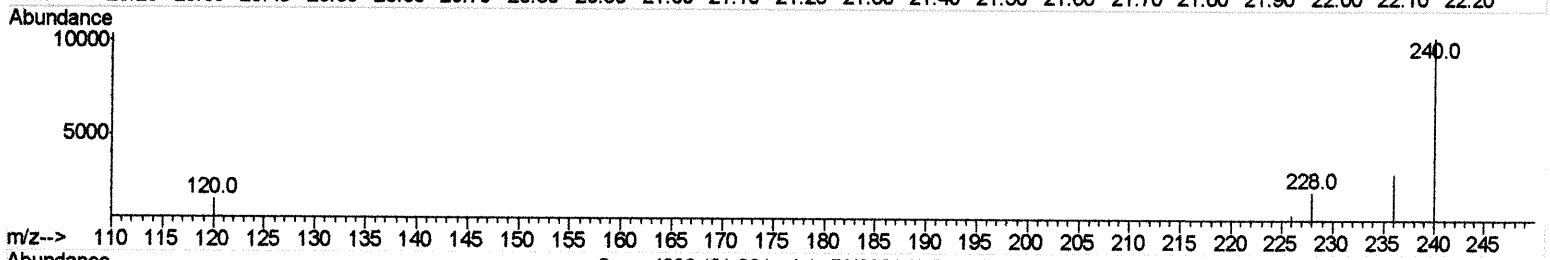
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

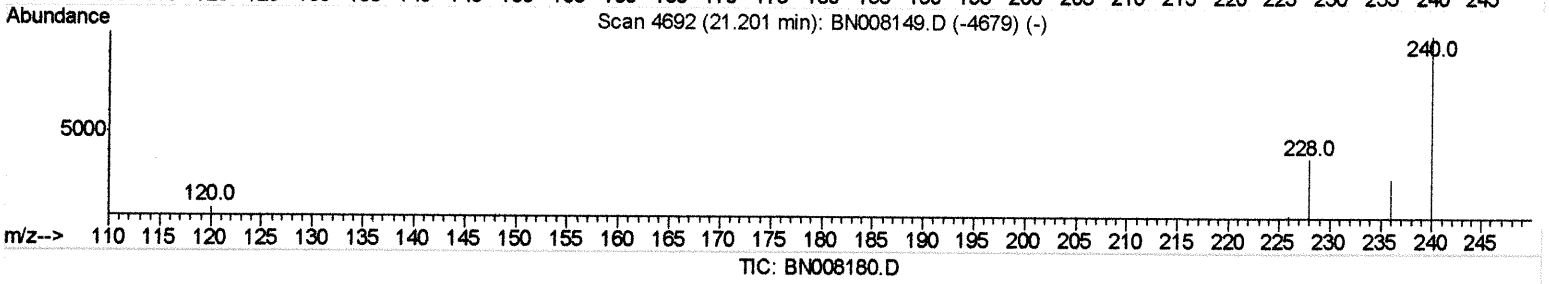
Quant Time: Oct 16 04:05:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM







TIC: BN008180.D

(16) Chrysene-d12 (I)

21.198min (-0.009) 0.40ng/ul m

response 14612

JU 10/21/19

Ion	Exp%	Act%
240.00	100	100
120.00	14.70	14.44
236.00	28.40	28.60
0.00	0.00	0.00

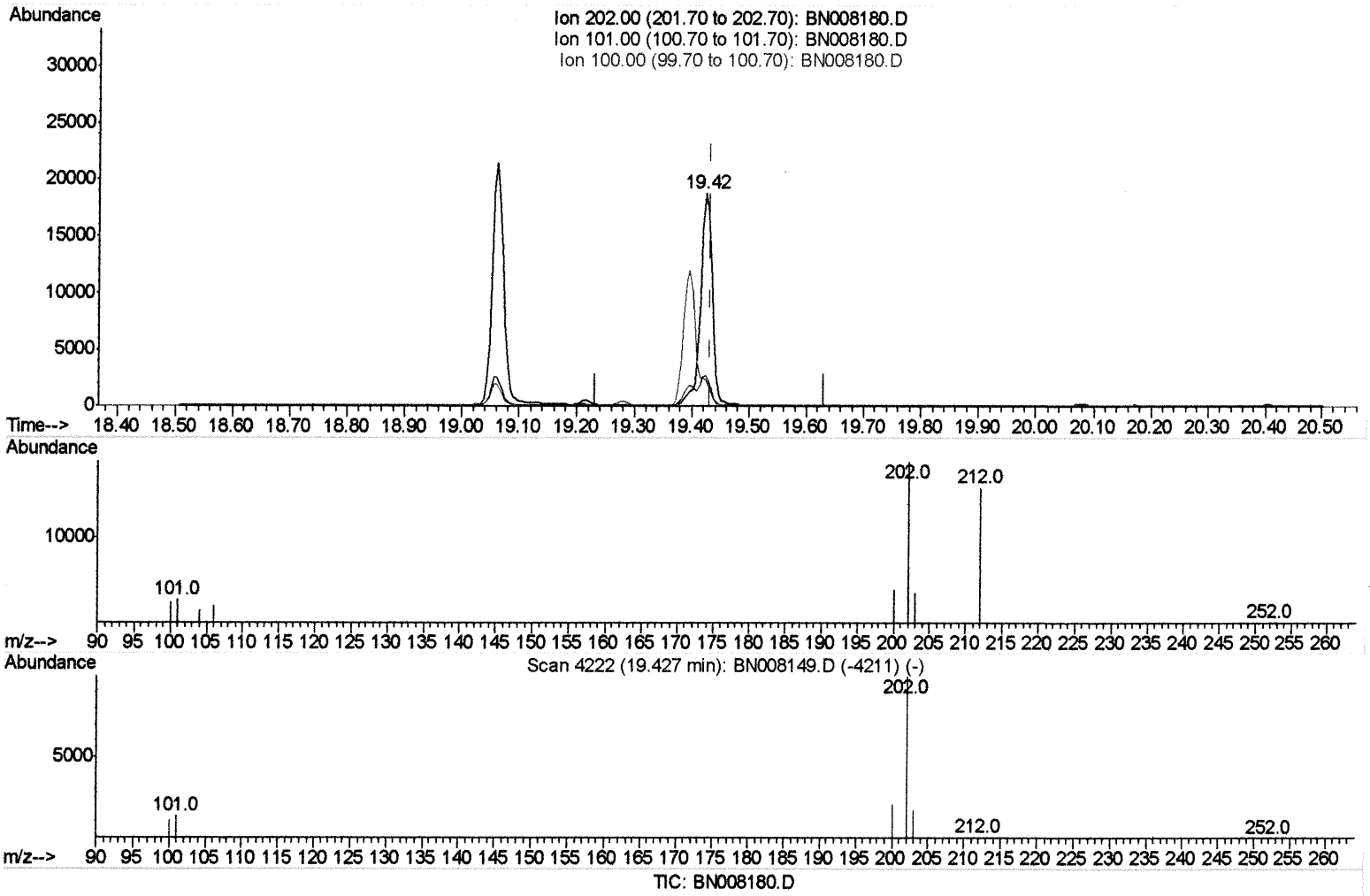
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Oct 16 04:07:35 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 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM



TIC: BN008180.D

(17) Pyrene

19.423min (-0.009) 0.45ng/ul

response 26159

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	14.40
100.00	10.90	12.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
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Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Oct 16 04:07:35 2019
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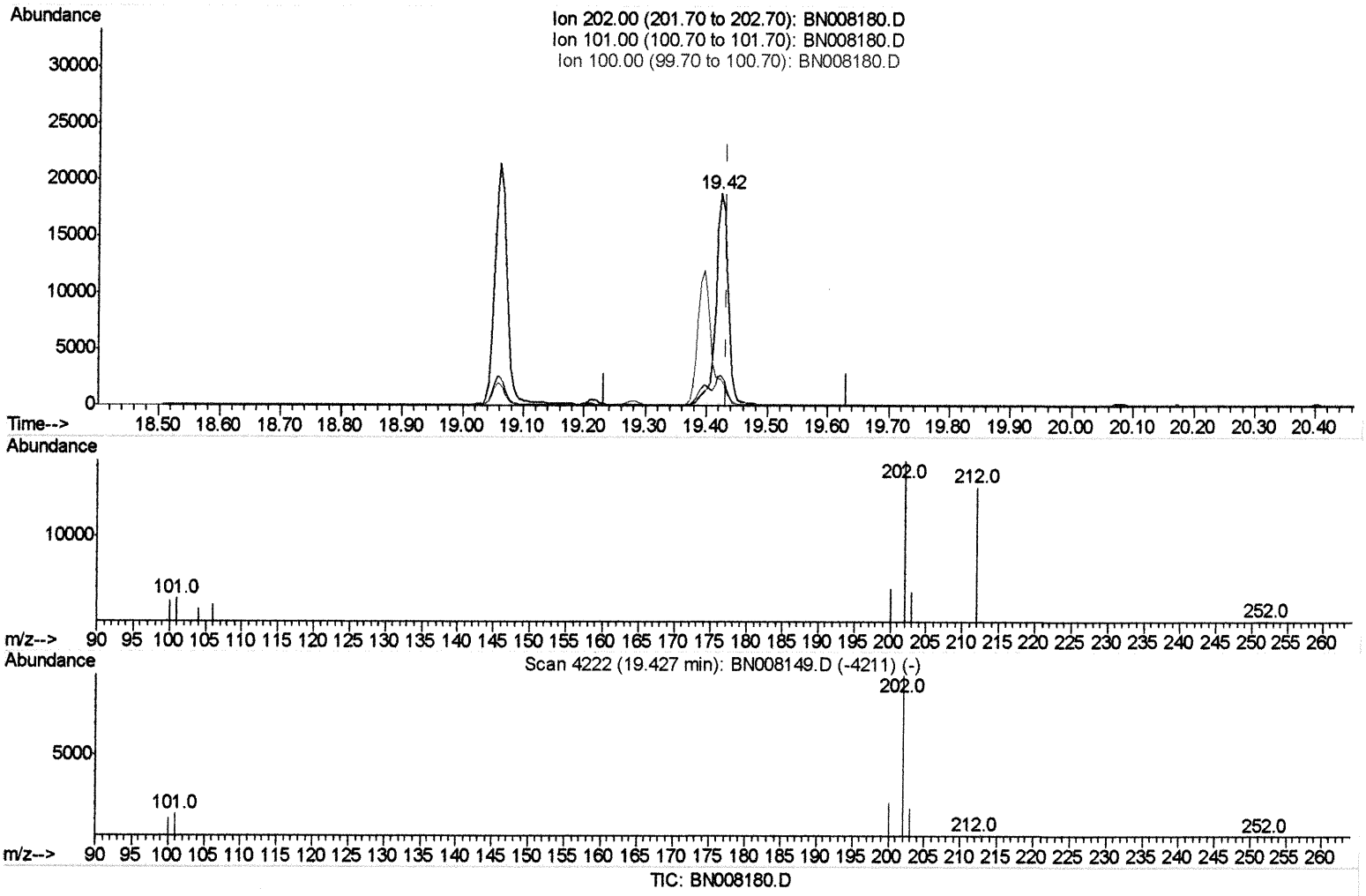
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM



TIC: BN008180.D

(17) Pyrene

19.423min (-0.009) 0.42ng/ul m

response 24310

JU 10/21/19

Ion	Exp%	Act%
202.00	100	100
101.00	13.60	14.40
100.00	10.90	12.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

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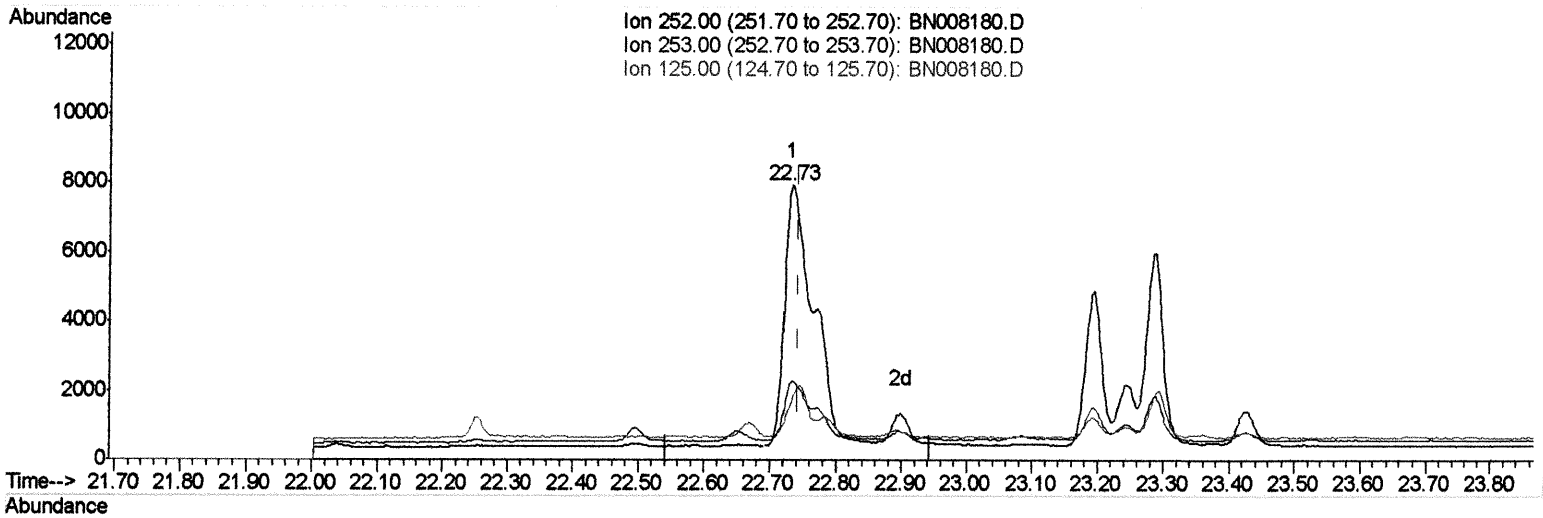
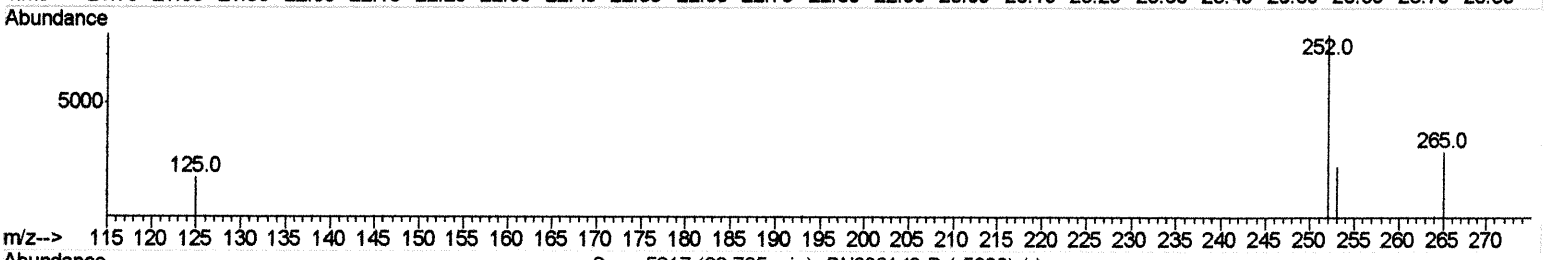
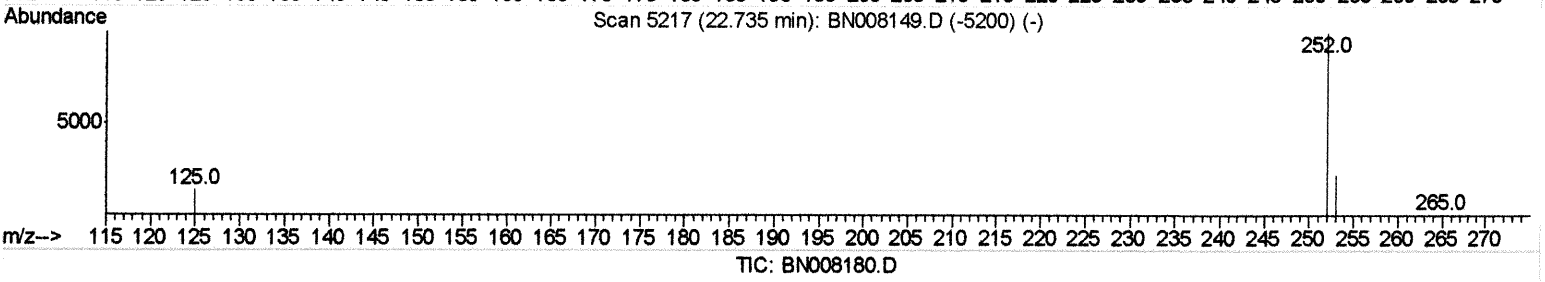
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM







TIC: BN008180.D

(21) Benzo(b)fluoranthene

22.732min (-0.012) 0.49ng/ul

response 23078

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	28.44
125.00	16.20	21.79
0.00	0.00	0.00

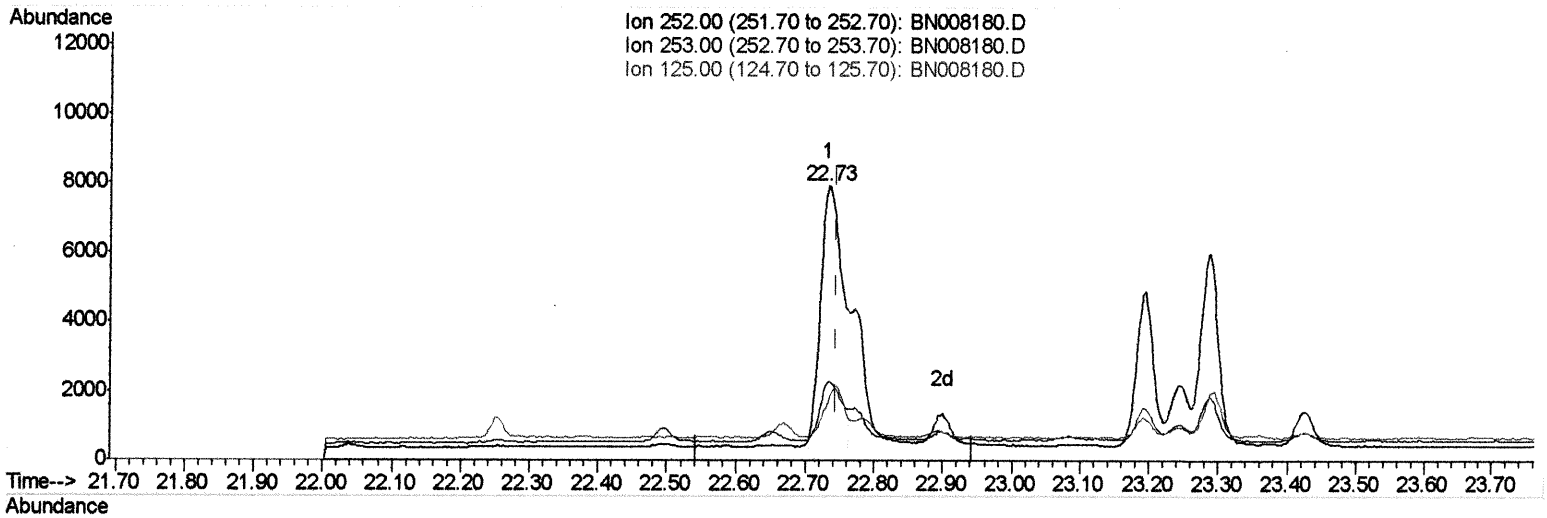
Quantitation Report (Qedit)

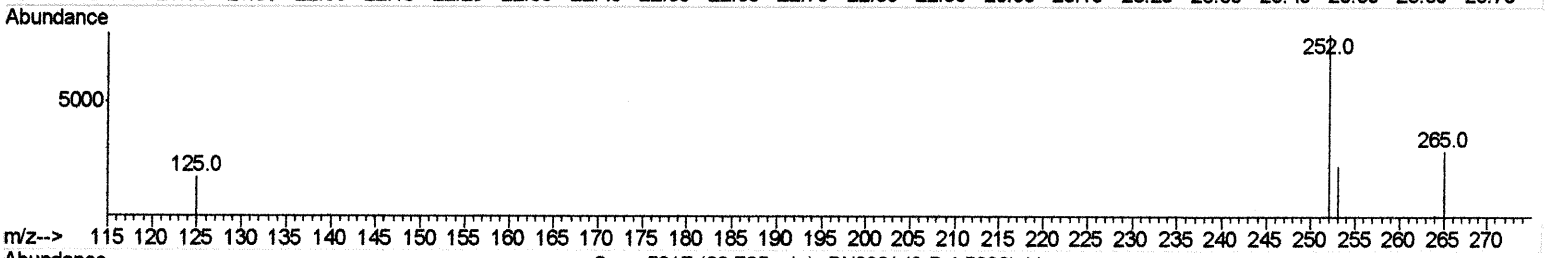
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

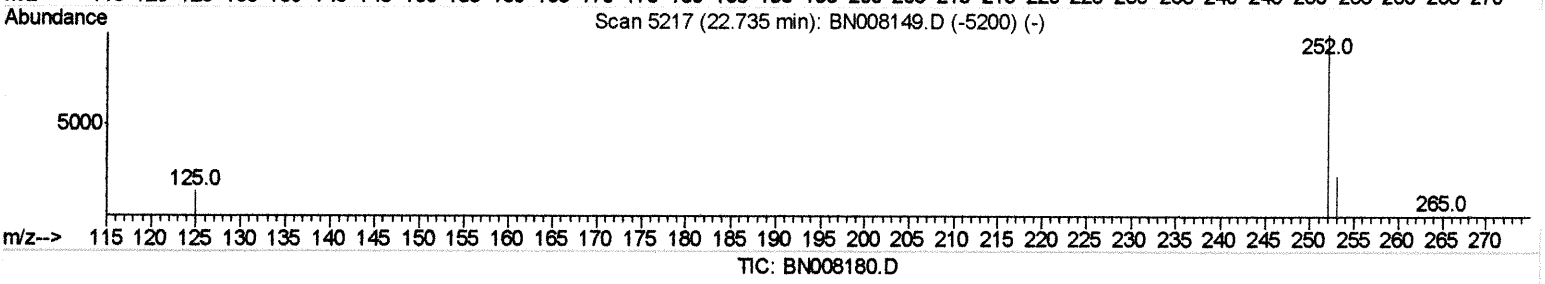
Quant Time: Oct 16 04:07:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 15 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM







TIC: BN008180.D

(21) Benzo(b)fluoranthene

22.732min (-0.012) 0.35ng/ul m

JU 10/21/19

response 16689

Ion	Exp%	Act%
252.00	100	100
253.00	26.70	28.44
125.00	16.20	21.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Oct 16 04:07:35 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 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
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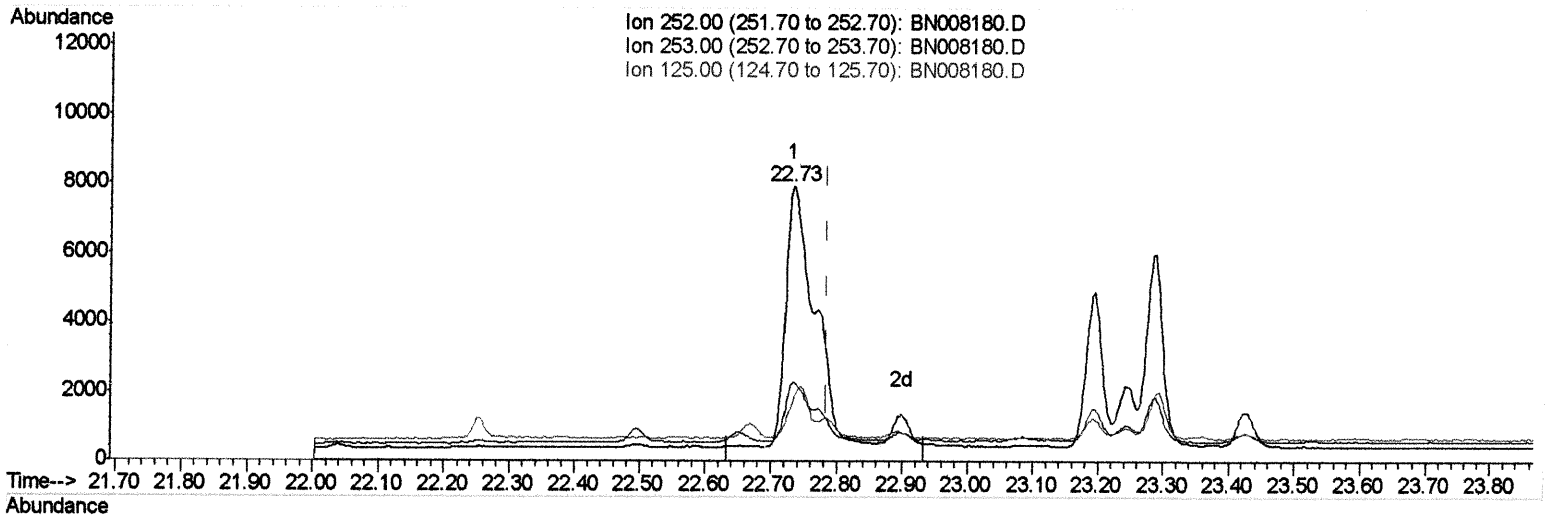

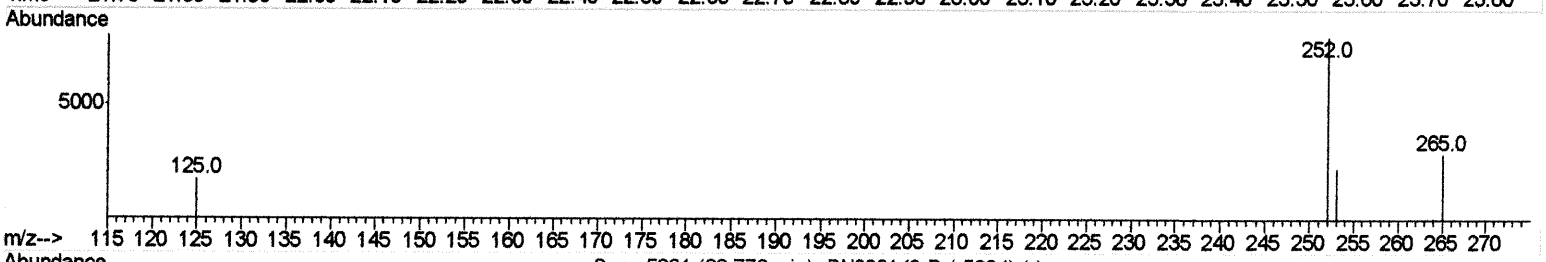

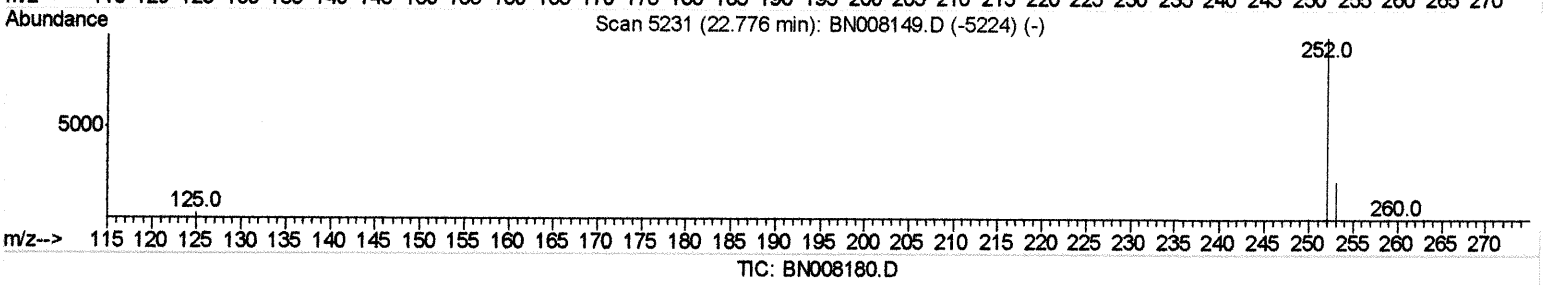

TIC: BN008180.D

(22) Benzo(k)fluoranthene

22.732min (-0.053) 0.43ng/ul

response 23078

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	28.44
125.00	15.40	21.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Quant Time: Oct 16 04:07:35 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 15:13:35 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
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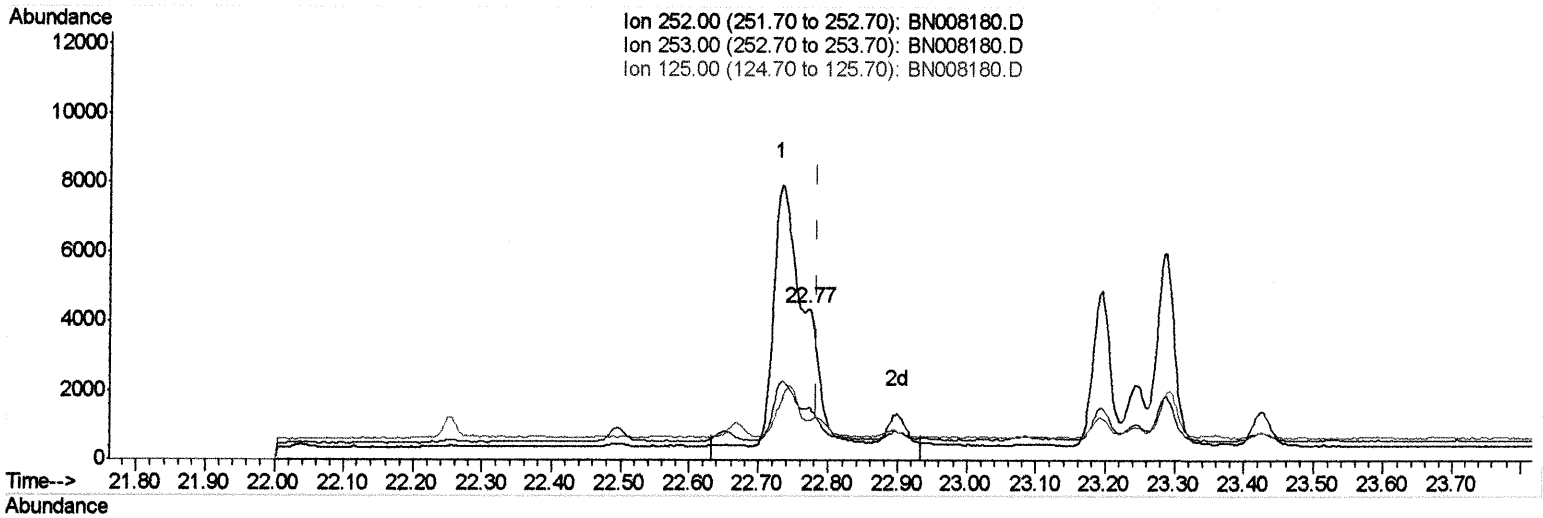
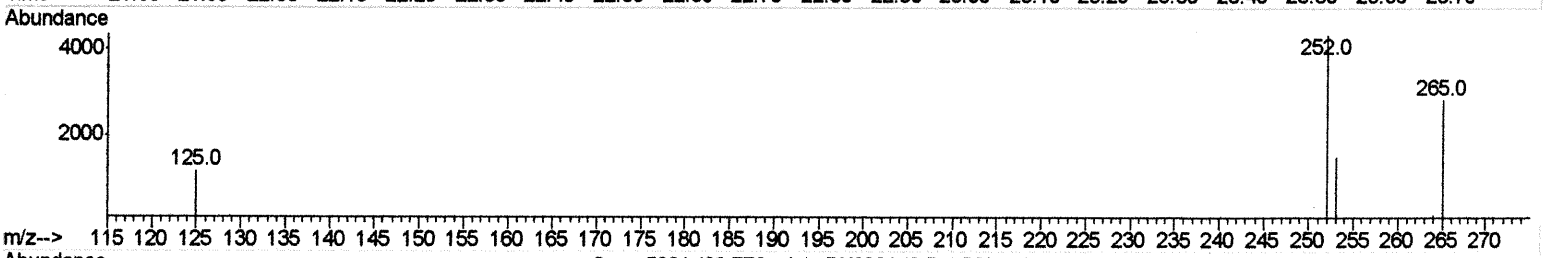
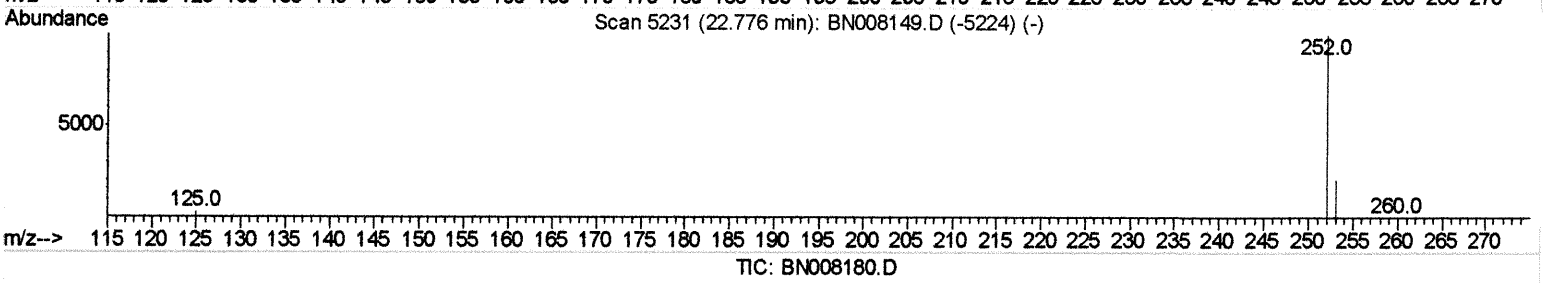
10/16/2019 4:08:16 PM







TIC: BN008180.D

(22) Benzo(k)fluoranthene

22.770min (-0.015) 0.10ng/ul m

response 5575

JU 10/21/19

Ion	Exp%	Act%
252.00	100	100
253.00	26.60	34.33#
125.00	15.40	26.40#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101419\
Data File : BN008180.D
Acq On : 15 Oct 2019 19:14
Operator : JU
Sample : K5175-08
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEP88

Manual Integrations APPROVED
mohammad
10/16/2019 4:08:16 PM

Quant Time: Oct 16 04:09:12 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 15:13:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1913	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	9380	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	5967	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13565m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	14612m	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	14581	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3595	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	11811m	0.25	ng/ul	-0.01
Target Compounds						Qvalue
3) Naphthalene	10.43	128	1216	0.046	ng/ul#	83
5) 2-Methylnaphthalene	12.06	142	504	0.028	ng/ul	96
7) Acenaphthylene	13.97	152	1360	0.048	ng/ul#	87
9) Fluorene	15.30	166	558	0.022	ng/ul#	95
12) Phenanthrene	17.04	178	20391	0.513	ng/ul	99
13) Anthracene	17.13	178	1004m	0.029	ng/ul	
15) Fluoranthene	19.06	202	29704m	0.566	ng/ul	
17) Pyrene	19.42	202	24310m	0.418	ng/ul	
18) Benzo(a)anthracene	21.18	228	7907	0.149	ng/ul	95
19) Chrysene	21.23	228	14536	0.223	ng/ul	98
21) Benzo(b)fluoranthene	22.73	252	16689m	0.352	ng/ul	
22) Benzo(k)fluoranthene	22.77	252	5575m	0.104	ng/ul	
23) Benzo(a)pyrene	23.29	252	9683	0.194	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.55	276	6431	0.109	ng/ul#	97
25) Dibenzo(a,h)anthracene	25.56	278	1179	0.025	ng/ul#	38
26) Benzo(g,h,i)perylene	26.21	276	5030	0.093	ng/ul#	91

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JU 10/21/19

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