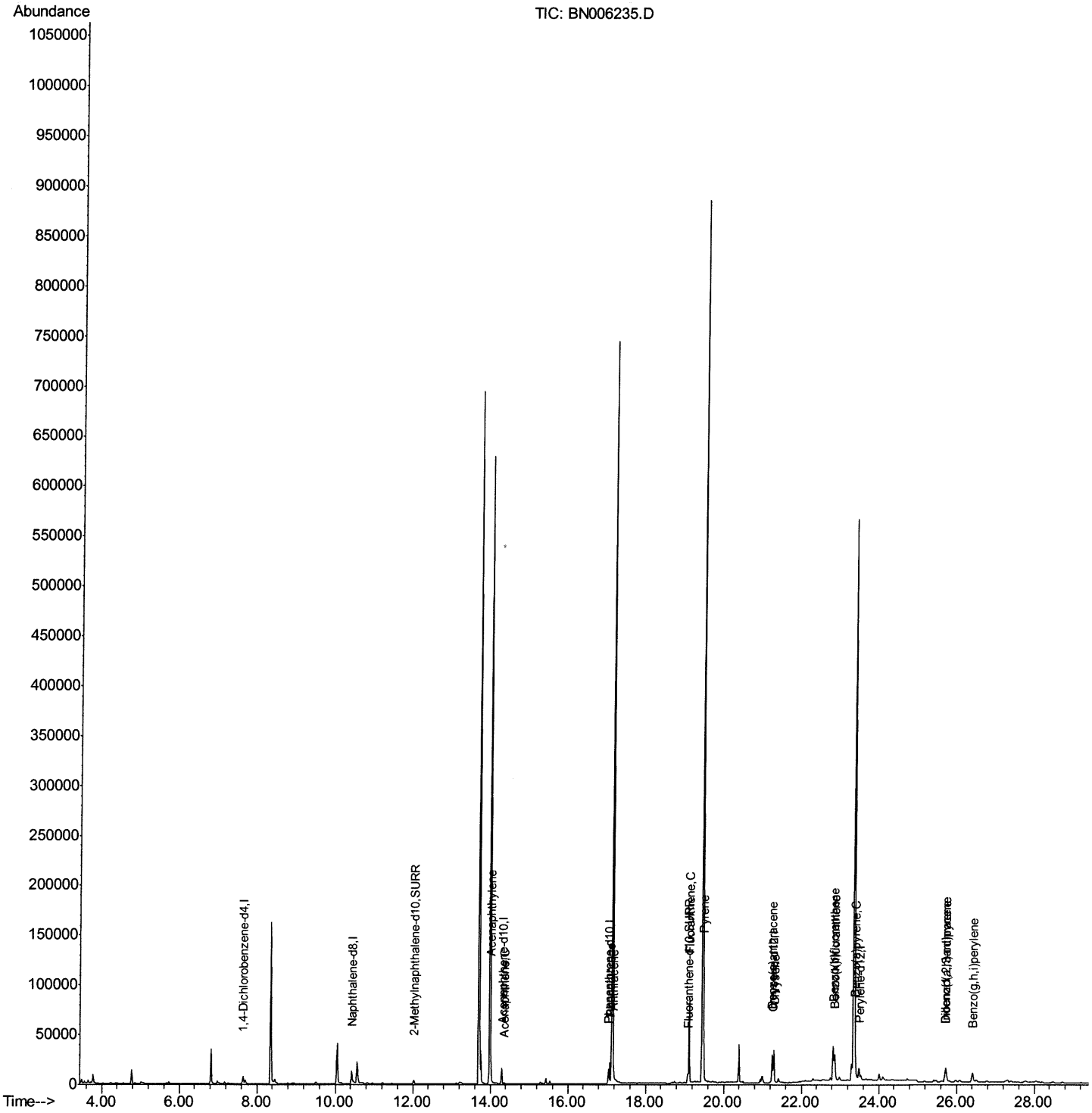
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 02:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM



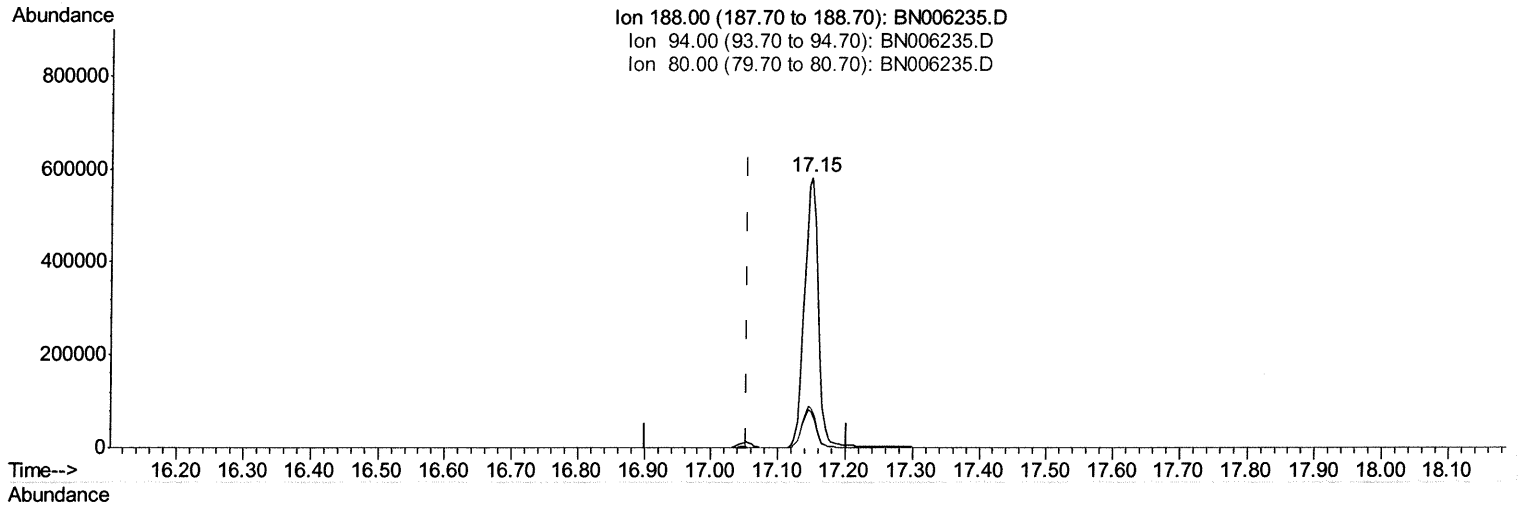
Quantitation Report (Qedit)

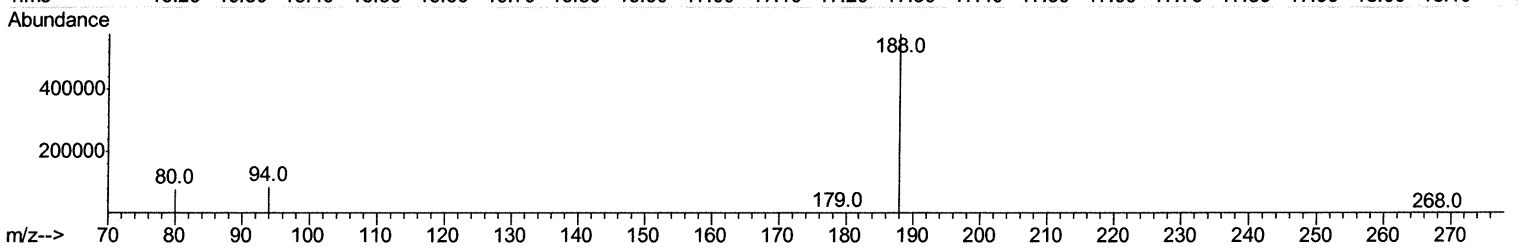
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

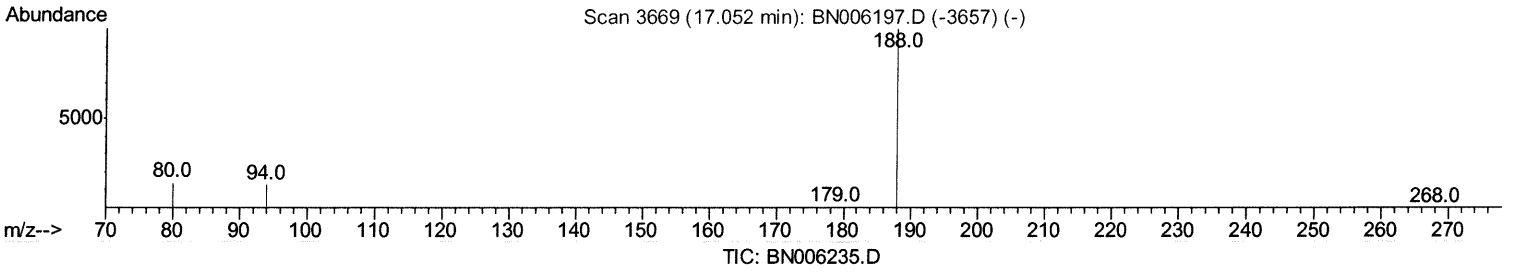
Quant Time: Jun 11 00:19:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







TIC: BN006235.D

(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 827931

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.72
80.00	13.60	13.30
0.00	0.00	0.00

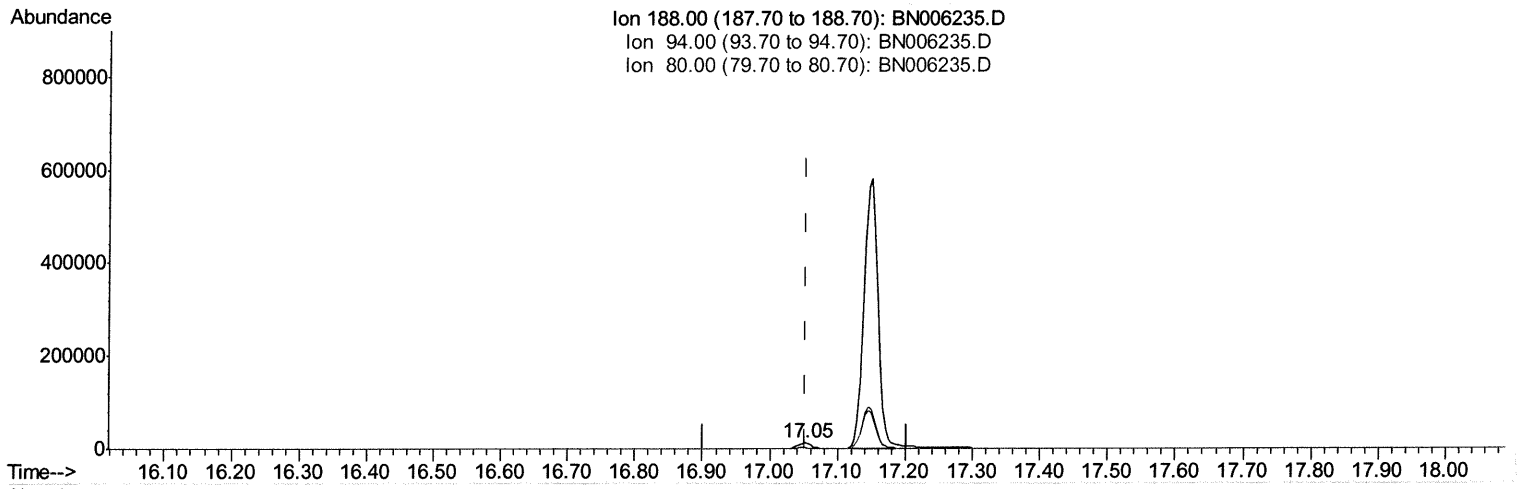
Quantitation Report (Qedit)

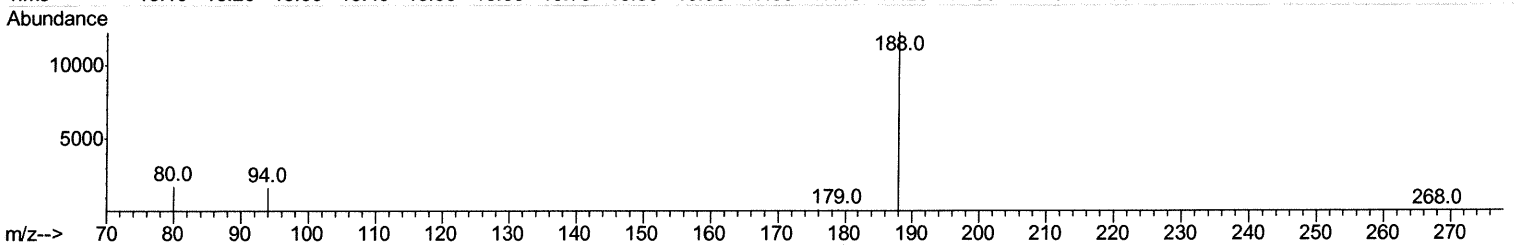
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

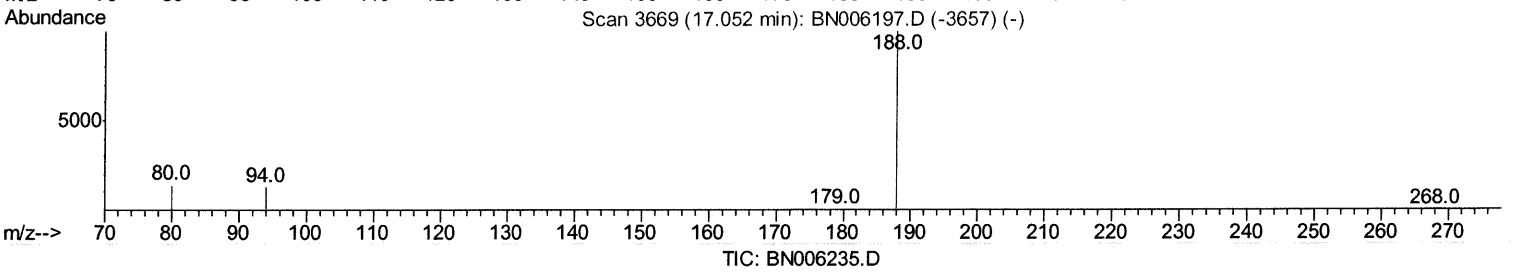
Quant Time: Jun 11 00:19:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







(10) Phenanthrene-d10 (I)

17.052min (-0.000) 0.40ng/ul m JU 06/11/19

response 17563

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.67
80.00	13.60	14.43
0.00	0.00	0.00

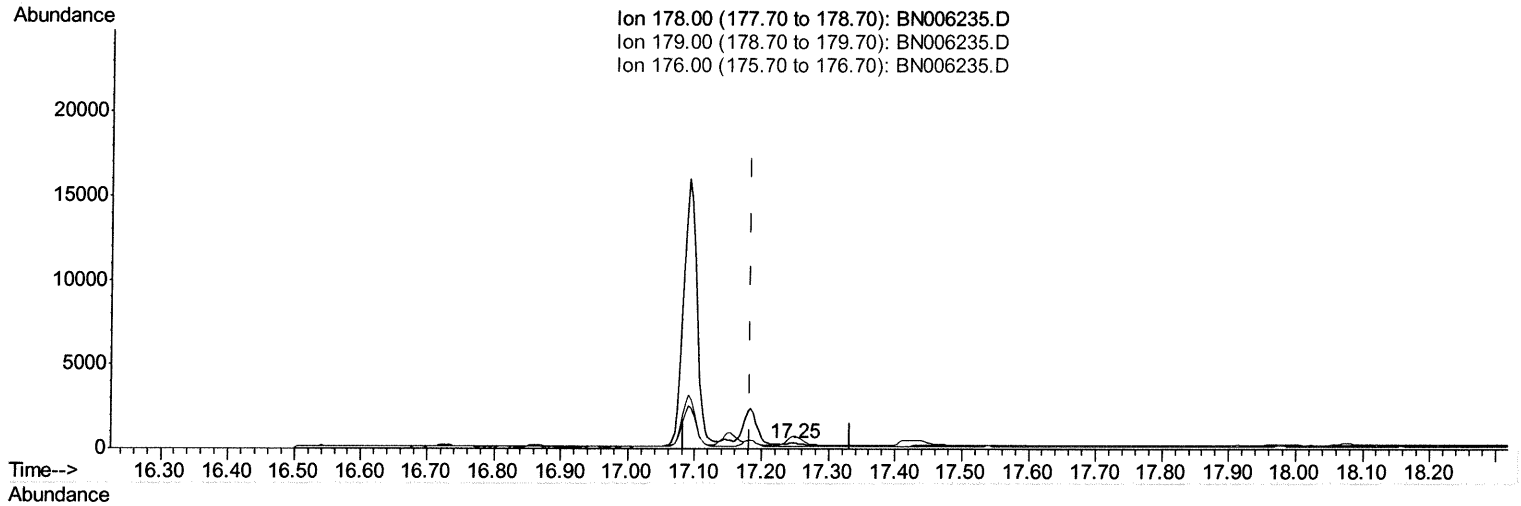
Quantitation Report (Qedit)

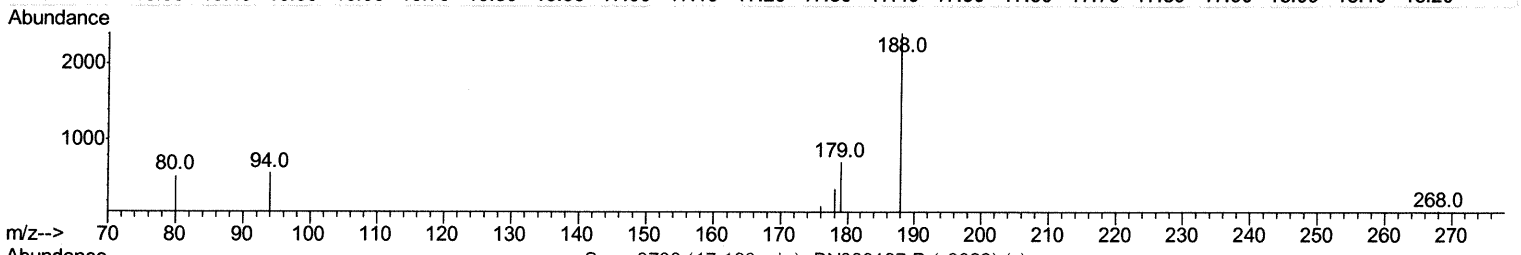
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

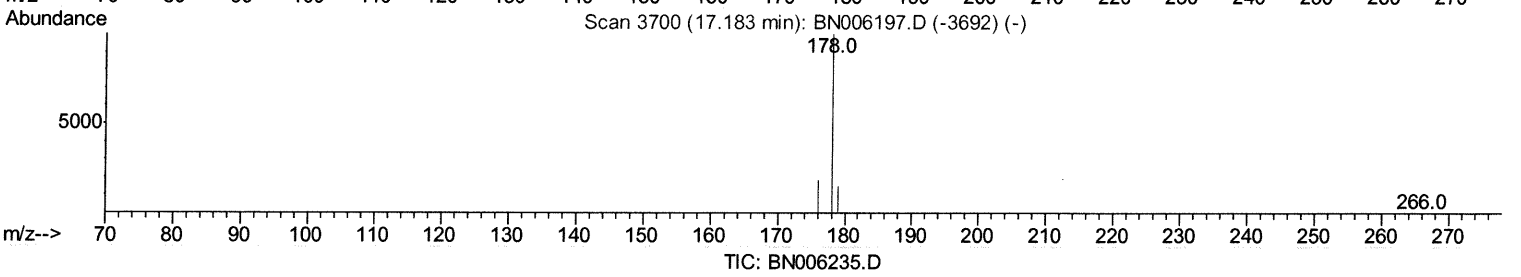
Quant Time: Jun 11 02:19:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







TIC: BN006235.D

(13) Anthracene

17.246min (+0.063) 0.01ng/ul

response 395

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	197.50#
176.00	18.90	37.22#
0.00	0.00	0.00

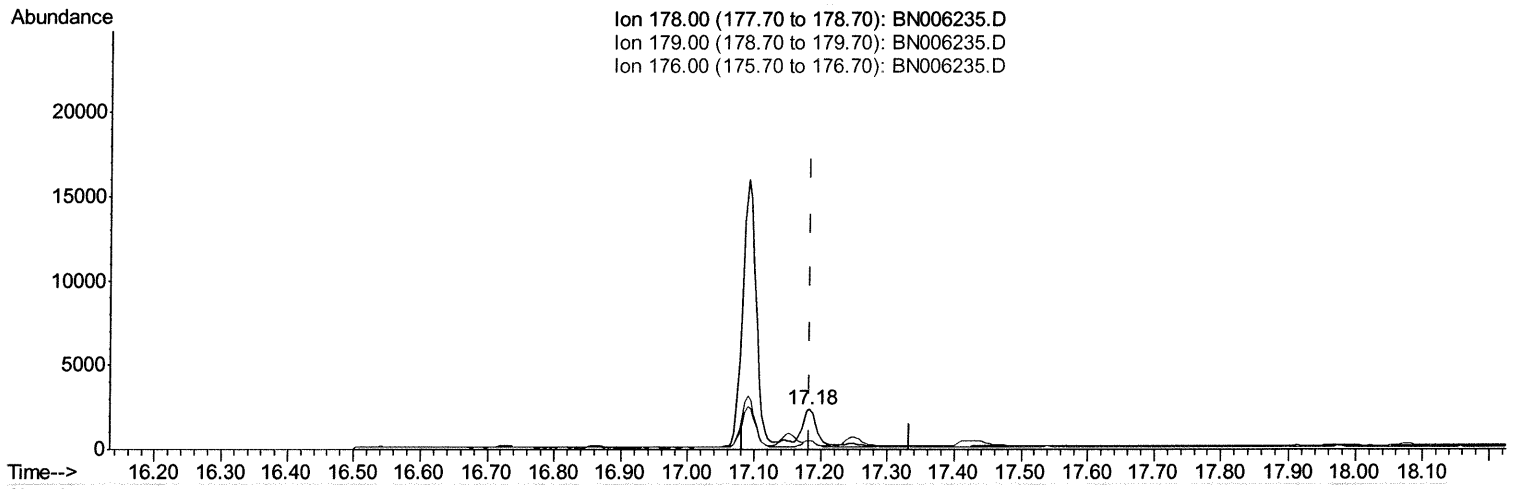
Quantitation Report (Qedit)

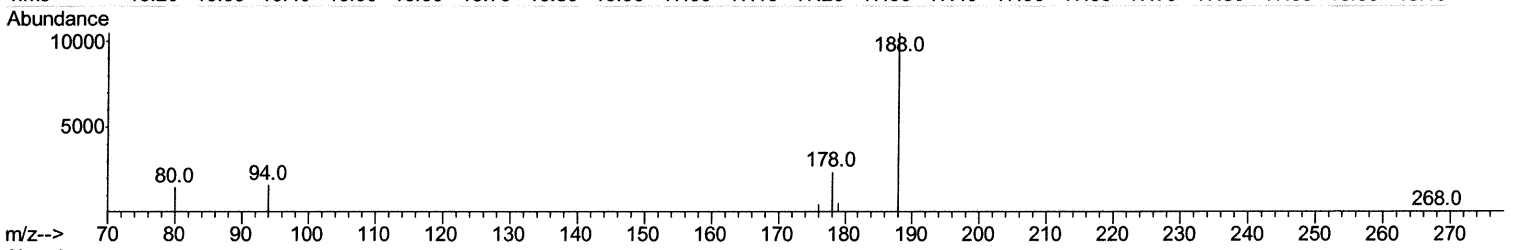
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

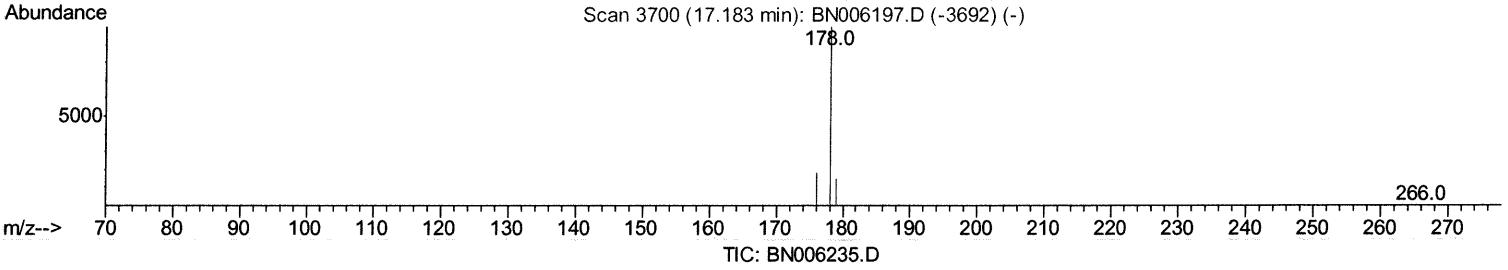
Quant Time: Jun 11 02:19:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







TIC: BN006235.D

(13) Anthracene

17.183min (-0.000) 0.06ng/ul m JU 06/11/19

response 3419

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	22.45#
176.00	18.90	21.82
0.00	0.00	0.00

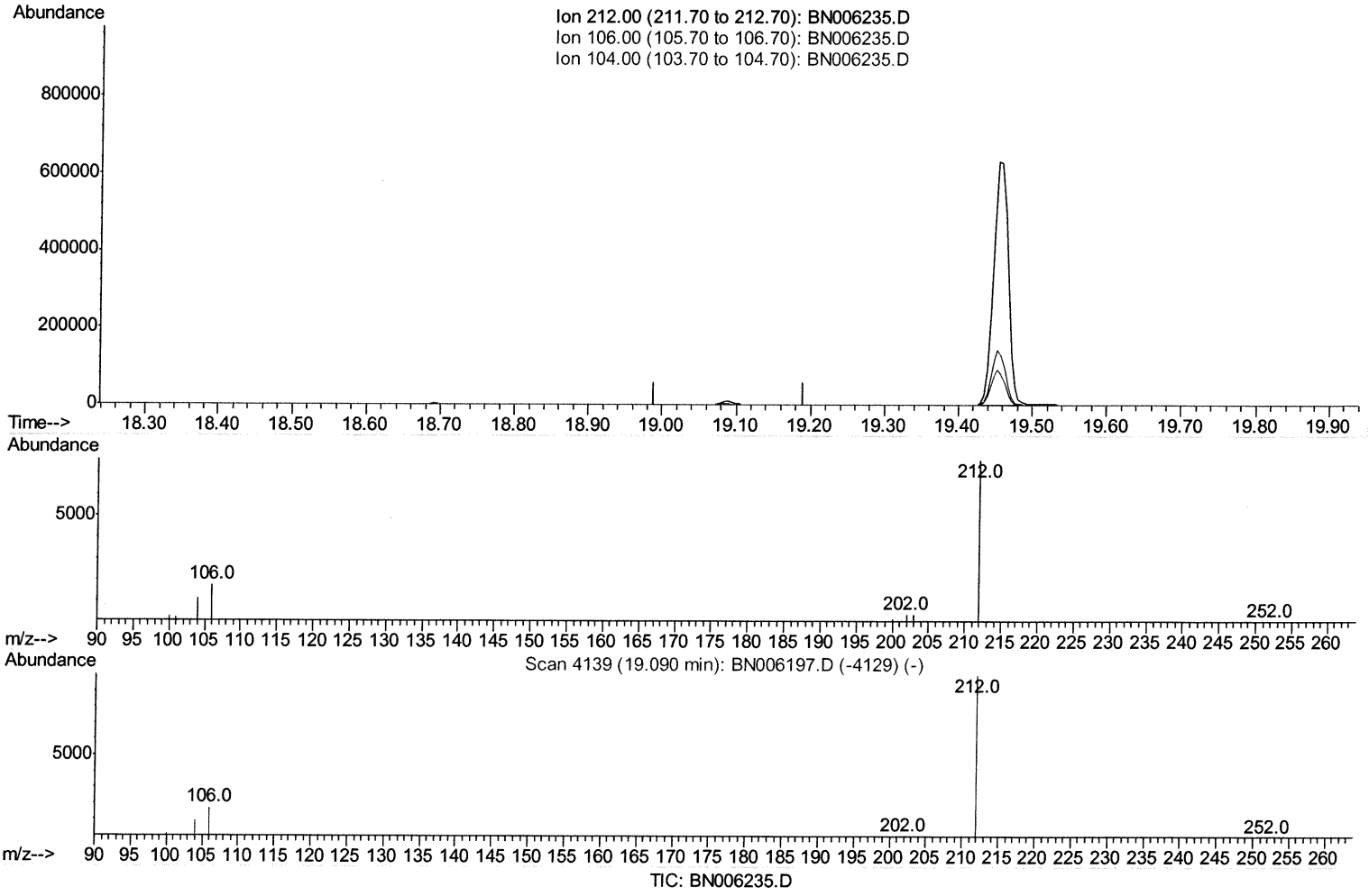
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 02:19:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM



(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

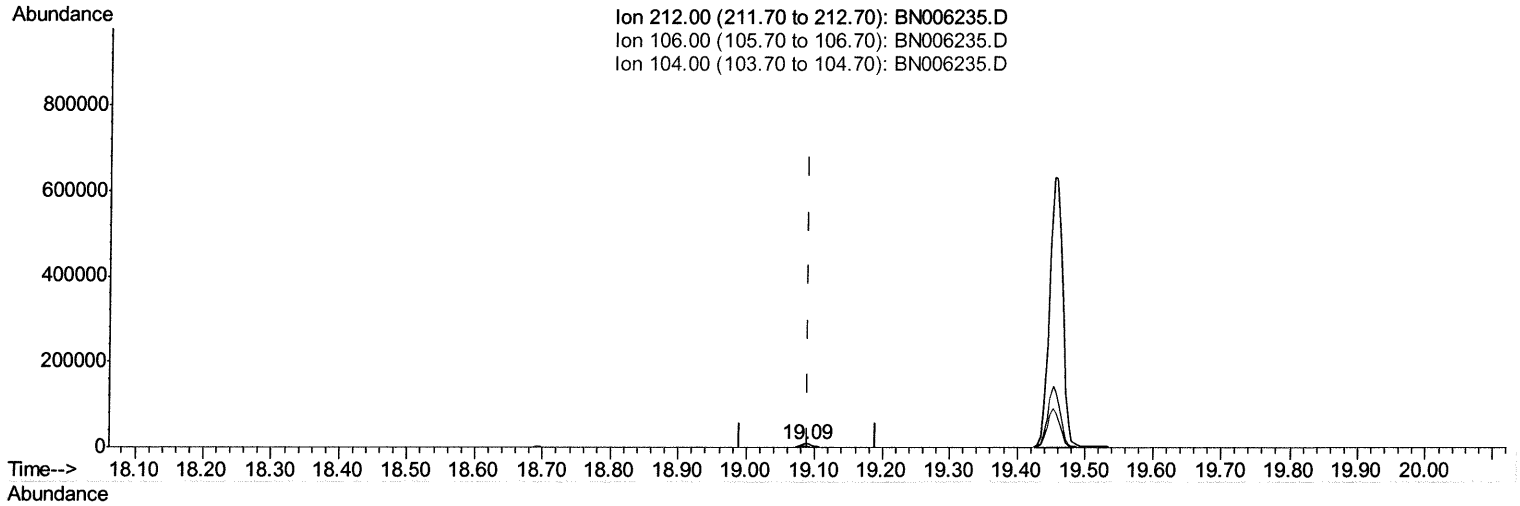
Quantitation Report (Qedit)

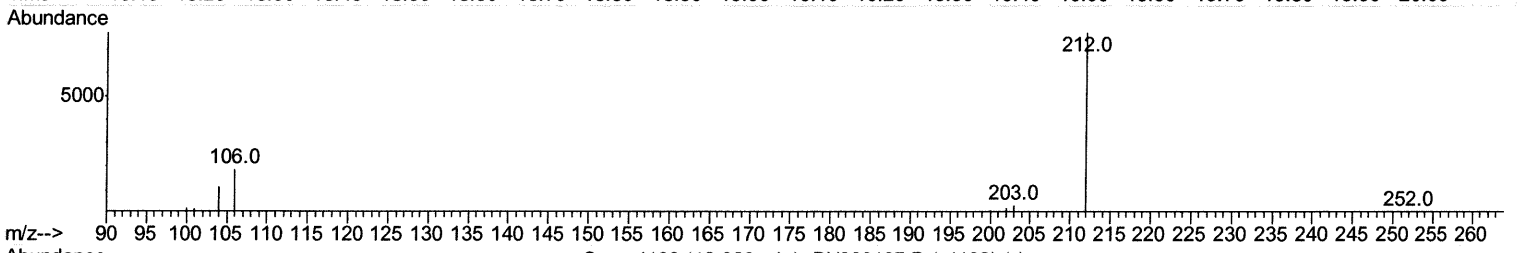
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 02:19:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

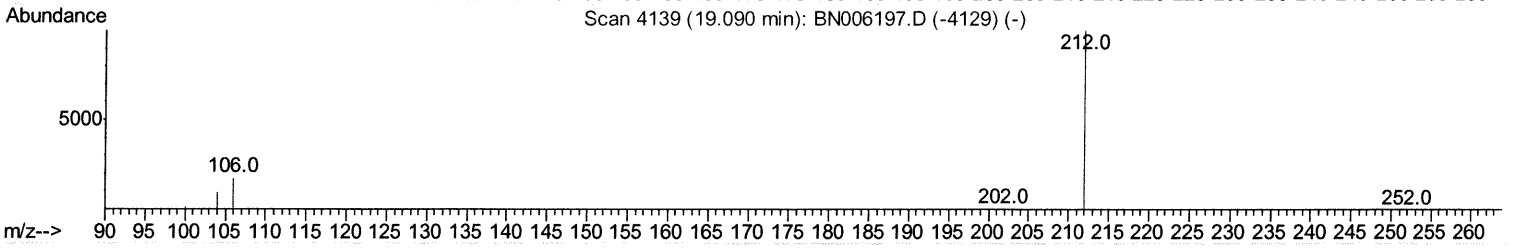
Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM





Scan 4139 (19.090 min): BN006197.D (-4129) (-)



TIC: BN006235.D

(14) Fluoranthene-d10 (SURR)

19.085min (-0.005) 0.23ng/ul m JU 06/11/19

response 10935

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

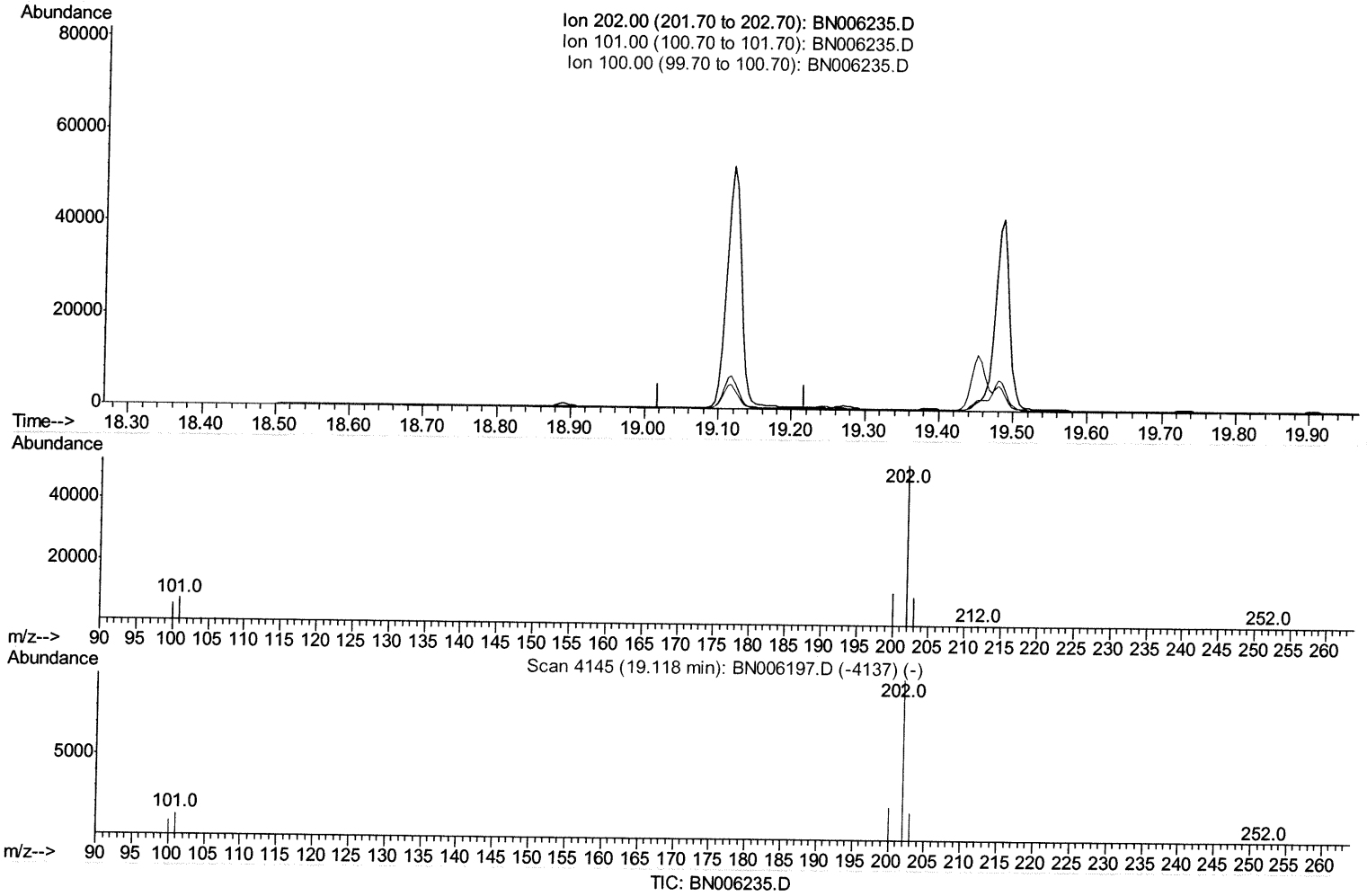
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 02:19:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM



TIC: BN006235.D

(15) Fluoranthene (C)

19.118min (-19.118) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	12.10	0.00
100.00	8.70	0.00
0.00	0.00	0.00

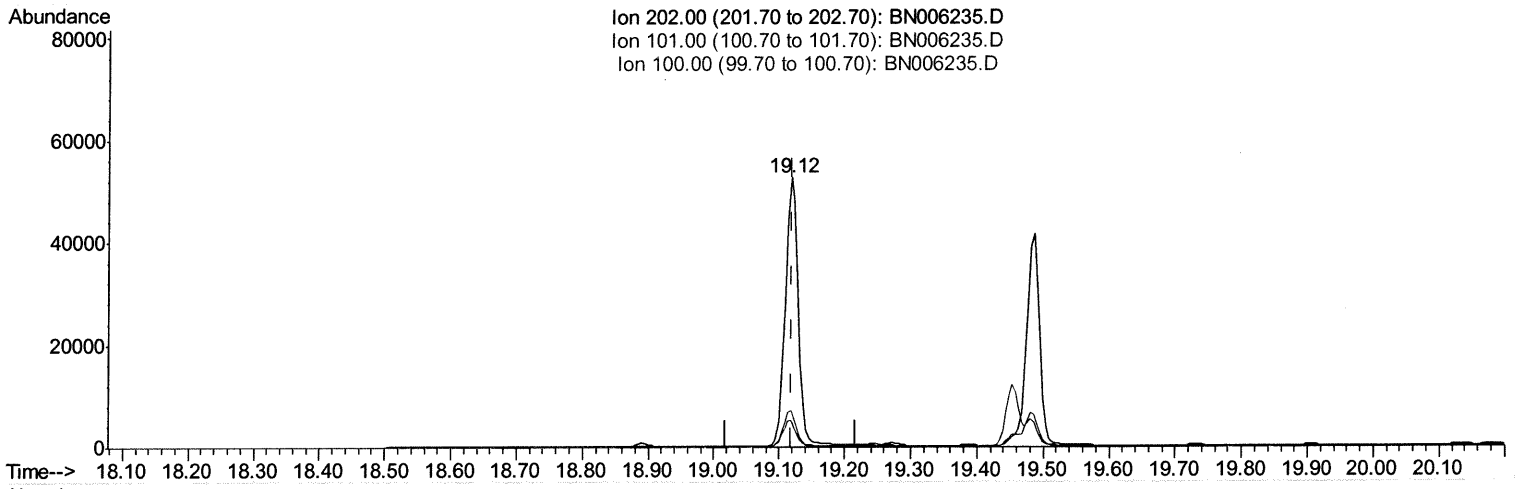
Quantitation Report (Qedit)

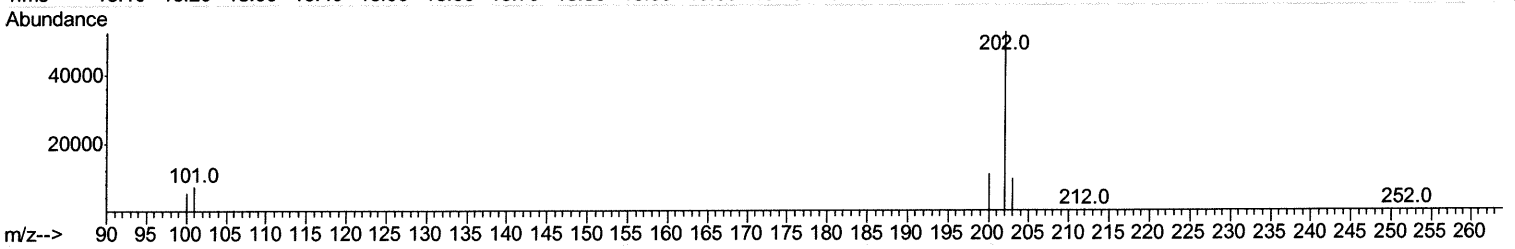
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

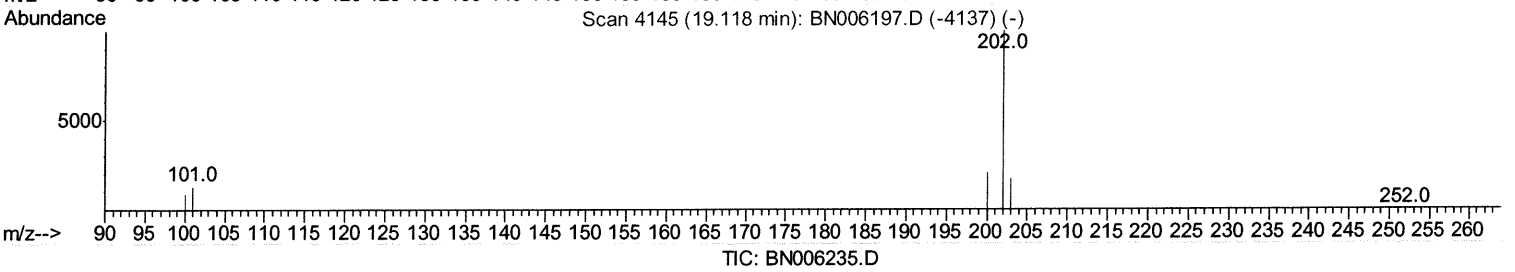
Quant Time: Jun 11 02:19:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







(15) Fluoranthene (C)

19.118min (-0.000) 1.17ng/ul m JU 06/11/19

response 72626

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.82
100.00	8.70	10.16
0.00	0.00	0.00

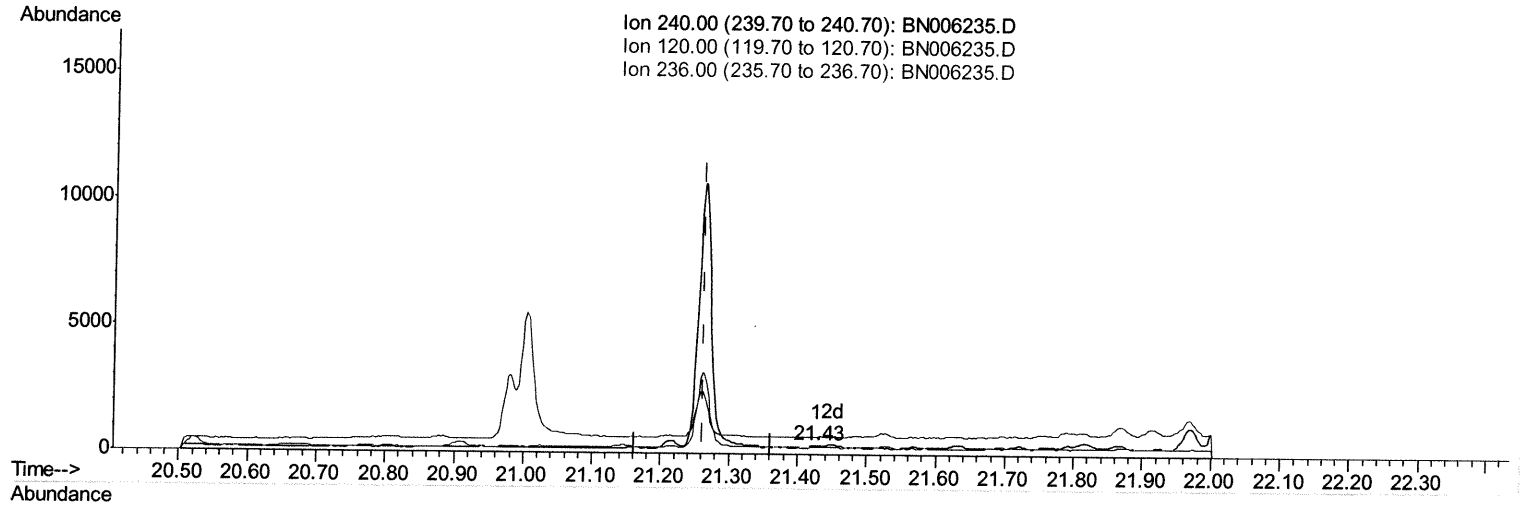
Quantitation Report (Qedit)

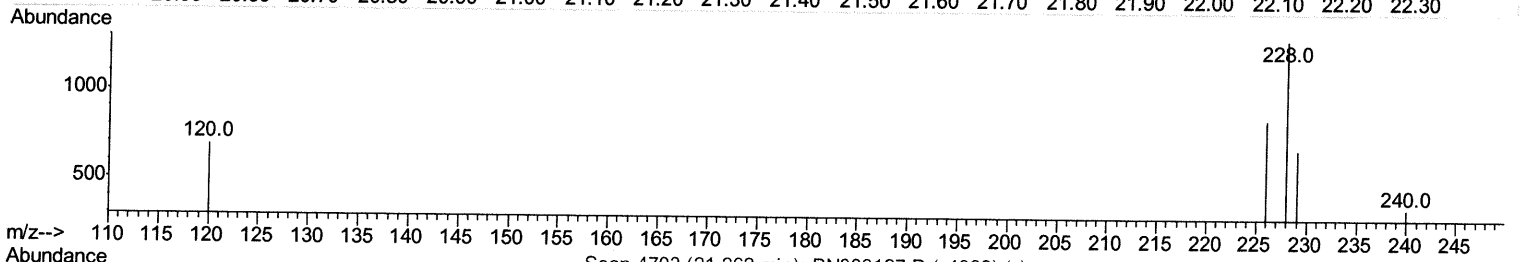
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

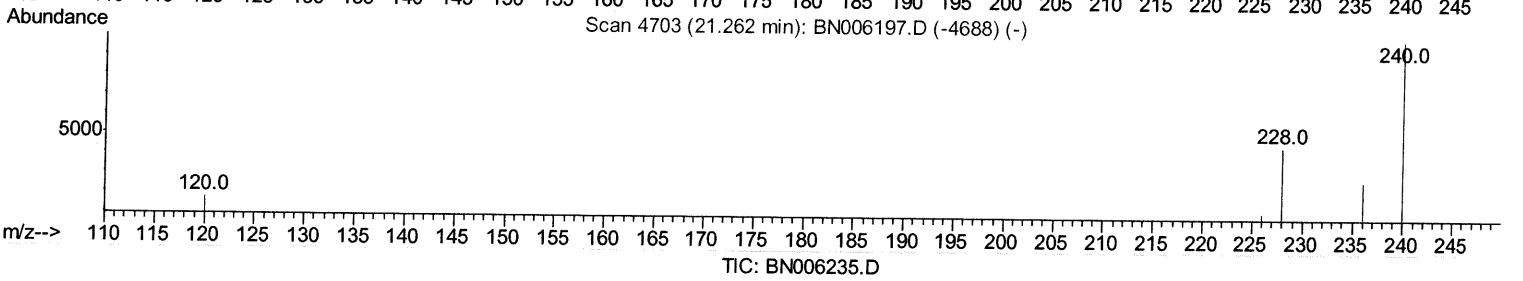
Quant Time: Jun 11 02:19:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







(16) Chrysene-d12 (I)

21.428min (+0.165) 0.40ng/ul

response 78

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	194.90#
236.00	30.10	83.29#
0.00	0.00	0.00

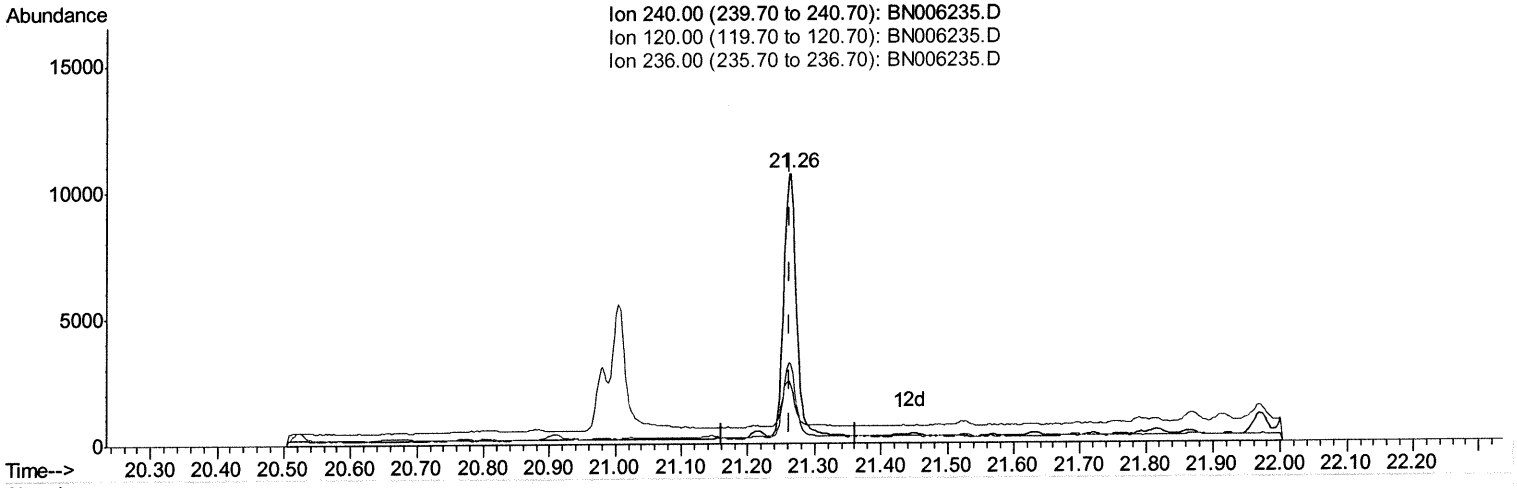
Quantitation Report (Qedit)

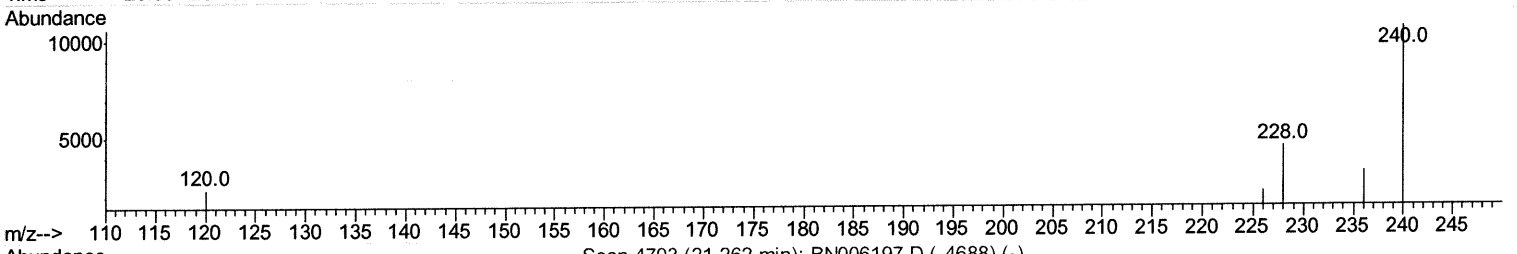
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

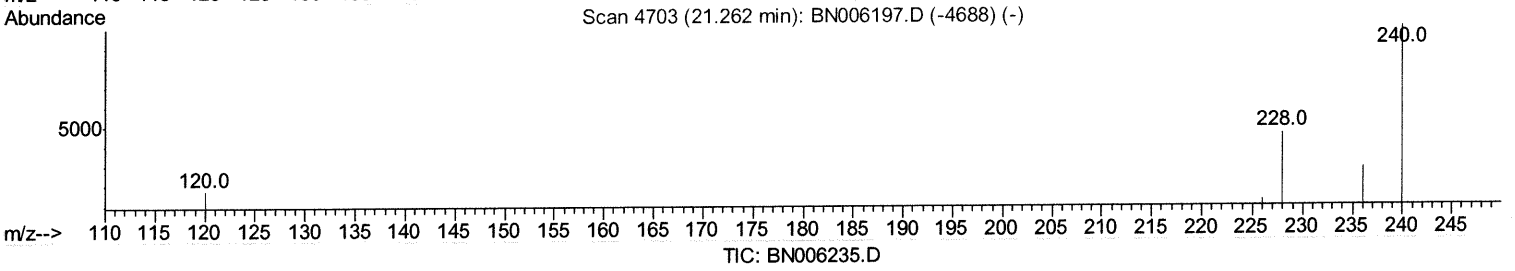
Quant Time: Jun 11 02:19:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







(16) Chrysene-d12 (I)

21.264min (+0.002) 0.40ng/ul m JU 06/11/19

response 13623

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	22.05
236.00	30.10	29.76
0.00	0.00	0.00

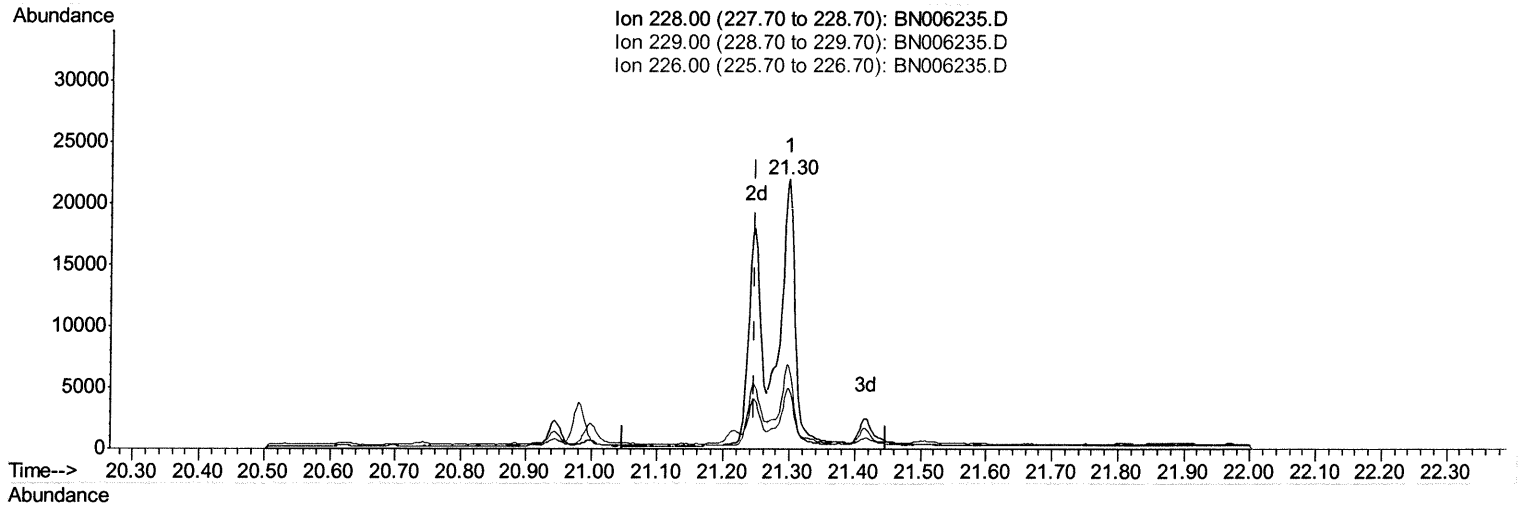
Quantitation Report (Qedit)

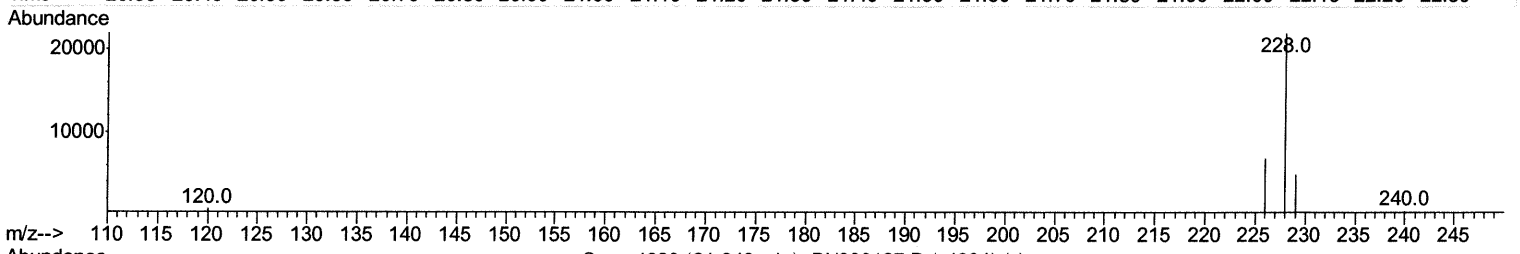
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

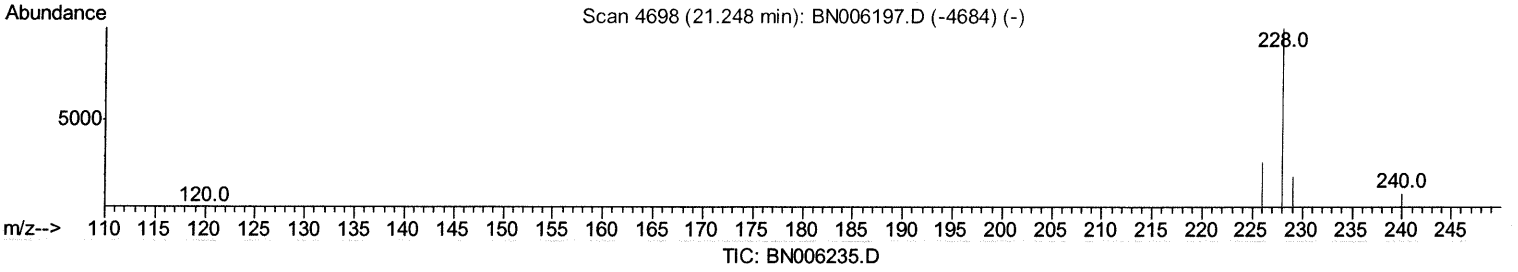
Quant Time: Jun 11 02:21:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







TIC: BN006235.D

(18) Benzo(a)anthracene

21.299min (+0.051) 0.55ng/ul

response 33275

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	22.58
226.00	28.50	31.15
0.00	0.00	0.00

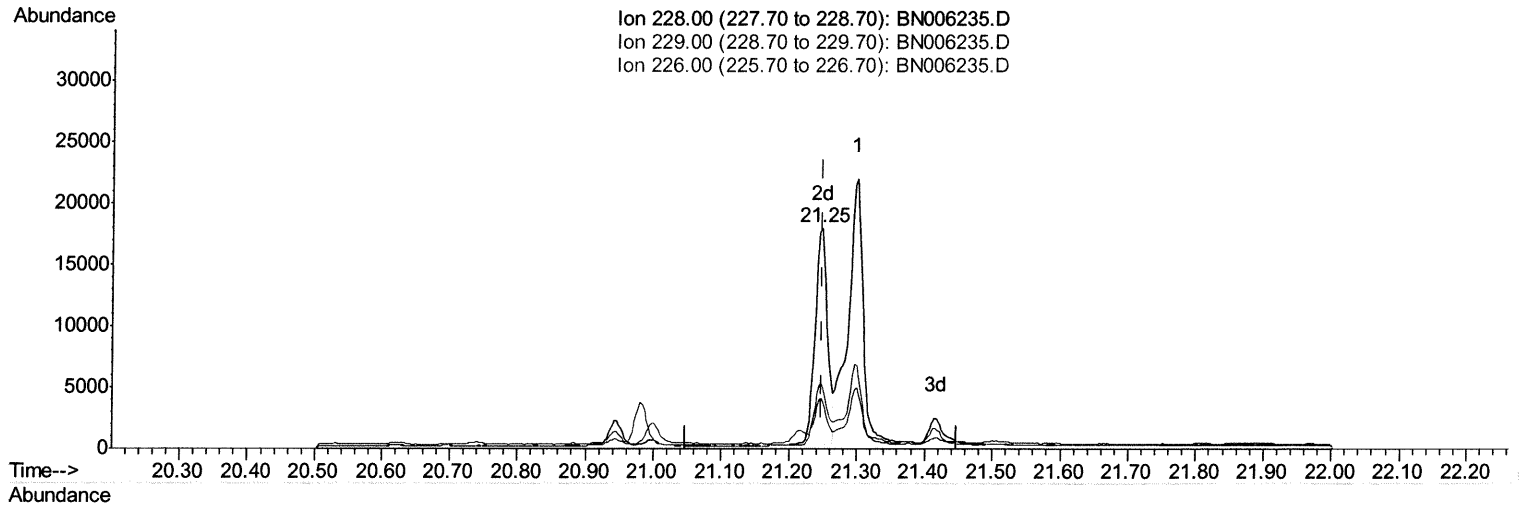
Quantitation Report (Qedit)

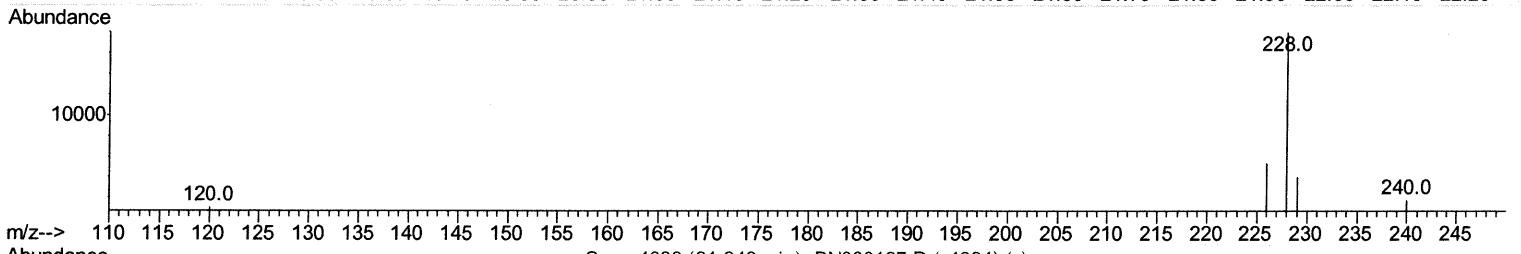
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

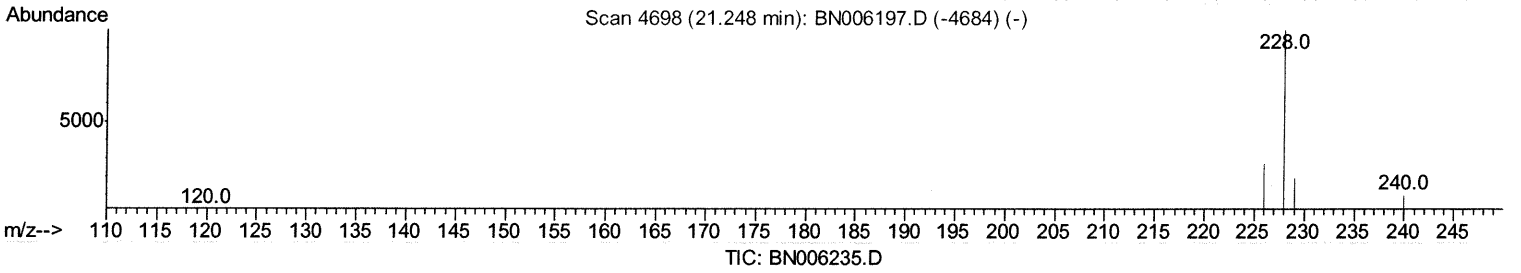
Quant Time: Jun 11 02:21:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







TIC: BN006235.D

(18) Benzo(a)anthracene

21.246min (-0.001) 0.38ng/ul m JU 06/11/19

response 22813

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	22.78
226.00	28.50	29.44
0.00	0.00	0.00

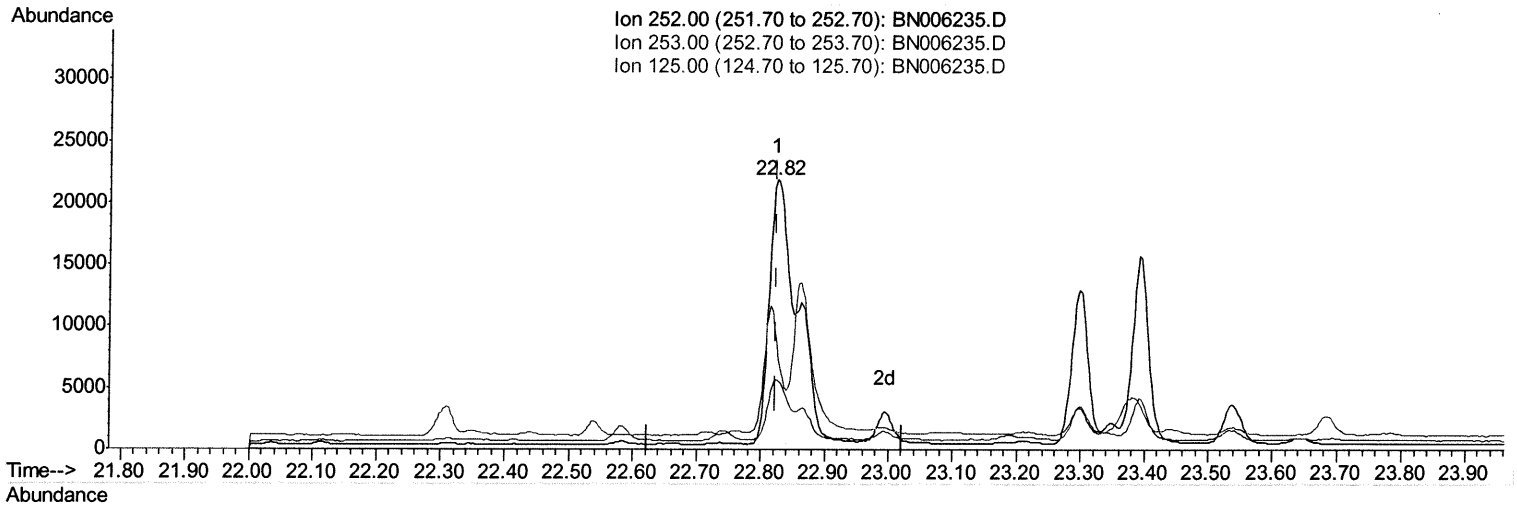
Quantitation Report (Qedit)

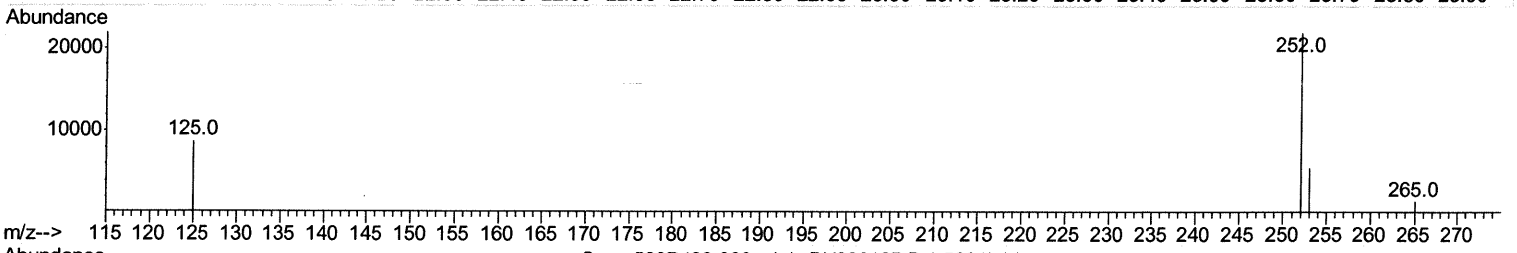
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

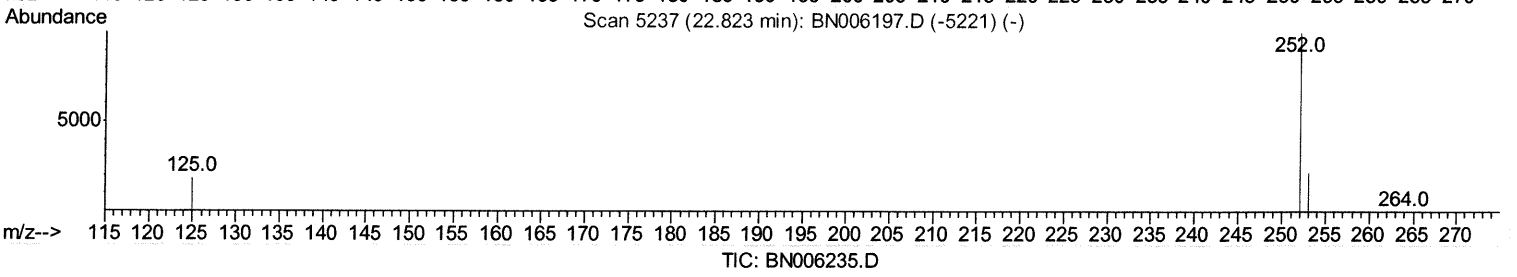
Quant Time: Jun 11 02:21:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







TIC: BN006235.D

(21) Benzo(b)fluoranthene

22.825min (+0.002) 0.88ng/ul

response 65204

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	25.70
125.00	20.50	39.79
0.00	0.00	0.00

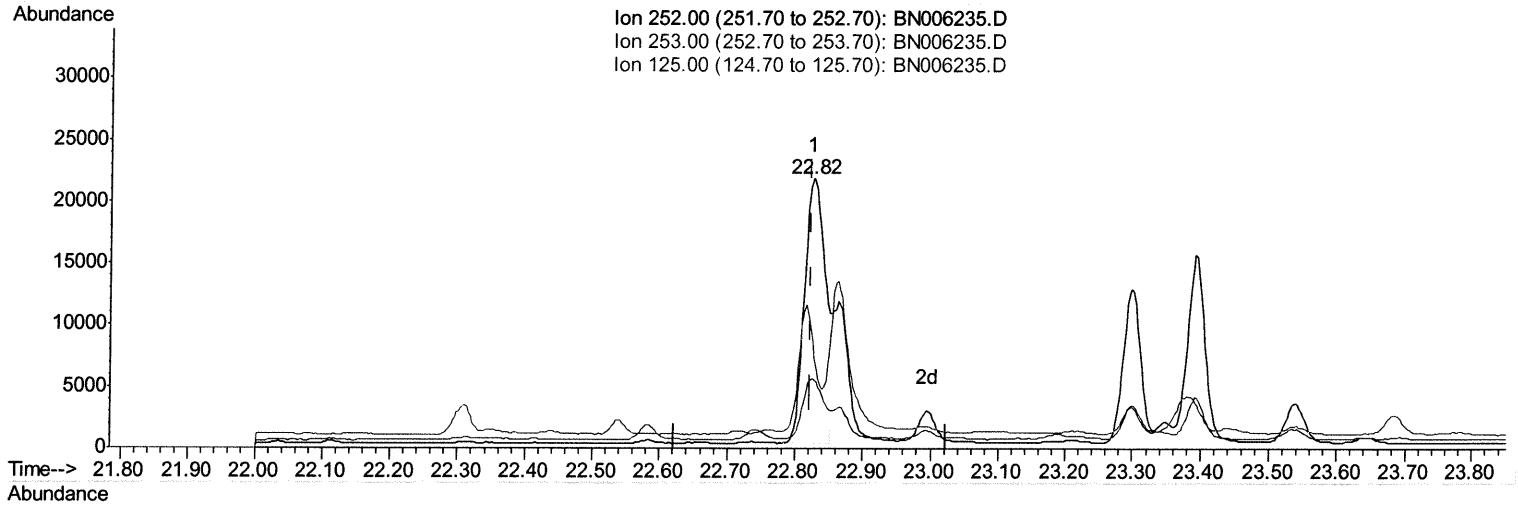
Quantitation Report (Qedit)

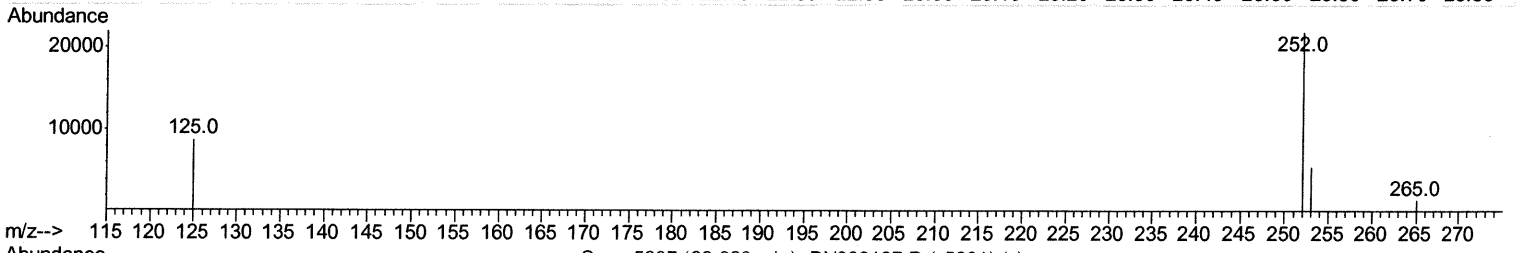
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

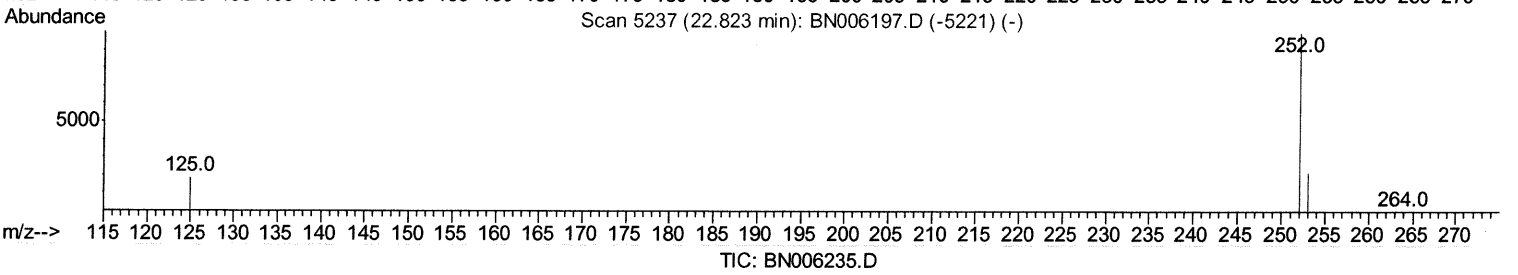
Quant Time: Jun 11 02:21:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







TIC: BN006235.D

(21) Benzo(b)fluoranthene

22.825min (+0.002) 0.61ng/ul m JU 06/11/19

response 45387

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	25.70
125.00	20.50	39.79
0.00	0.00	0.00

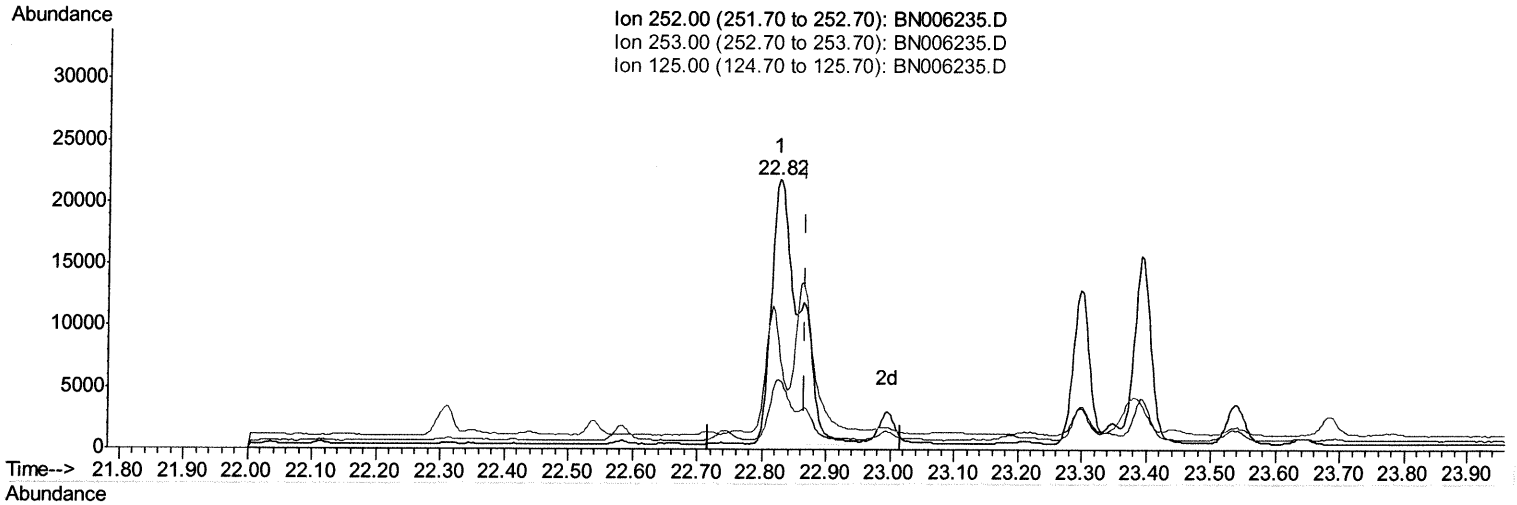
Quantitation Report (Qedit)

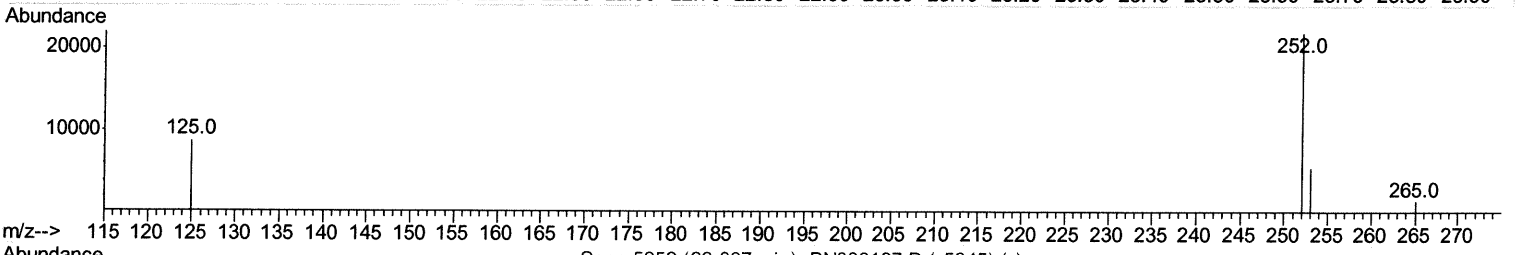
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 11 02:21:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

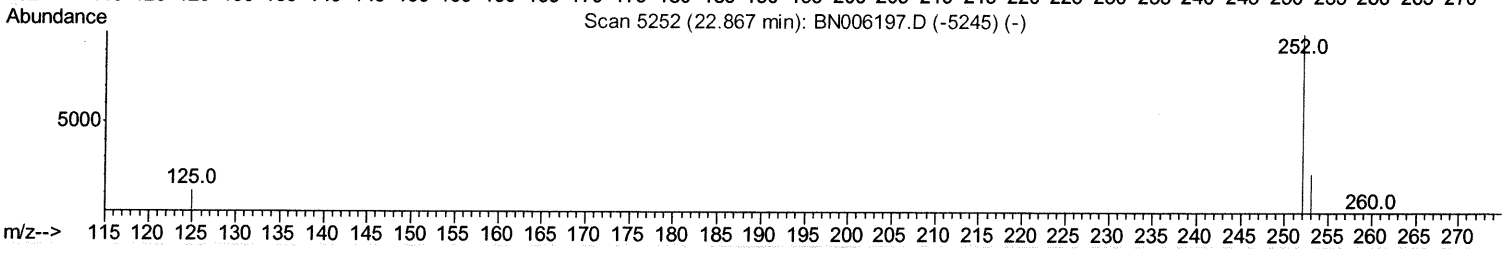
Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM





Scan 5252 (22.867 min): BN006197.D (-5245) (-)



TIC: BN006235.D

(22) Benzo(k)fluoranthene

22.825min (-0.042) 0.90ng/ul

response 65164

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	25.70
125.00	17.90	39.79#
0.00	0.00	0.00

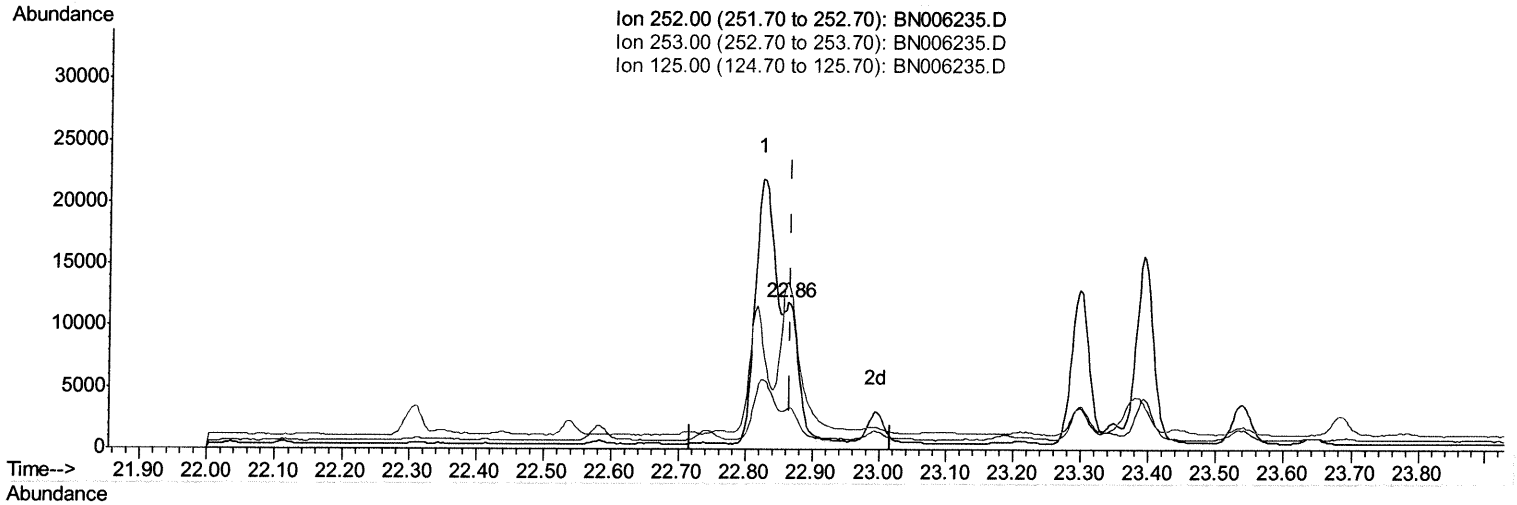
Quantitation Report (Qedit)

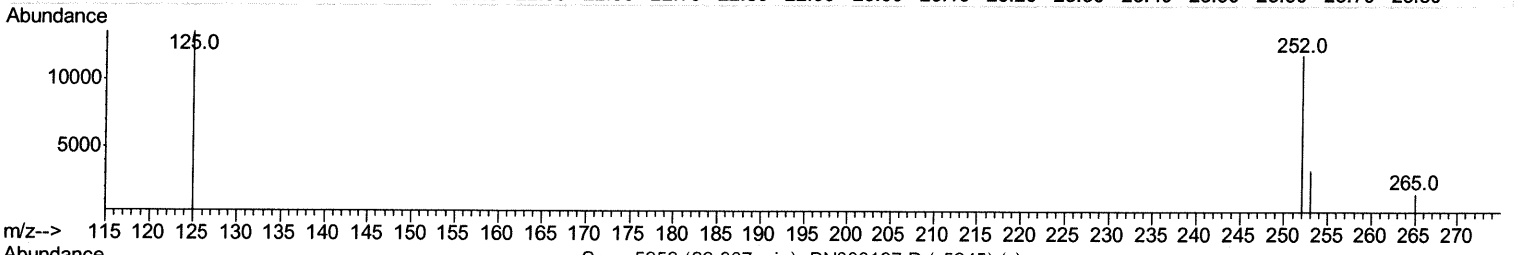
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

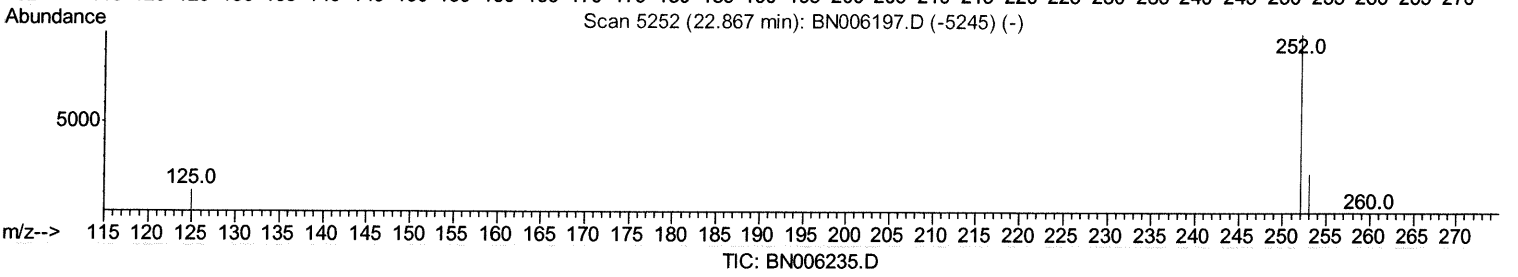
Quant Time: Jun 11 02:21:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
mohammad
6/11/2019 4:29:01 PM







TIC: BN006235.D

(22) Benzo(k)fluoranthene

22.863min (-0.004) 0.24ng/ul m JU 06/11/19

response 17069

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	27.81
125.00	17.90	113.79#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
Data File : BN006235.D
Acq On : 10 Jun 2019 22:19
Operator : JU/SJ
Sample : K3017-22
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51F5

Manual Integrations APPROVED
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6/11/2019 4:29:01 PM

Quant Time: Jun 11 02:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4293	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	16283	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	8505	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	17563m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13623m	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	17766	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	4908	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	10935m	0.23	ng/ul	0.00
Target Compounds						Qvalue
7) Acenaphthylene	14.01	152	1800	0.038	ng/ul#	86
8) Acenaphthene	14.36	153	706	0.022	ng/ul#	93
12) Phenanthrene	17.09	178	22300	0.396	ng/ul	98
13) Anthracene	17.18	178	3419m	0.064	ng/ul	
15) Fluoranthene	19.12	202	72626m	1.167	ng/ul	
17) Pyrene	19.49	202	57399	0.800	ng/ul	99
18) Benzo(a)anthracene	21.25	228	22813m	0.379	ng/ul	
19) Chrysene	21.30	228	31851	0.563	ng/ul	98
21) Benzo(b)fluoranthene	22.82	252	45387m	0.613	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	17069m	0.237	ng/ul	
23) Benzo(a)pyrene	23.39	252	27187	0.394	ng/ul	99
24) Indeno(1,2,3-cd)pyrene	25.72	276	23040	0.309	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.73	278	5248	0.088	ng/ul#	56
26) Benzo(g,h,i)perylene	26.41	276	20828	0.333	ng/ul	98

JU 06/11/19

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