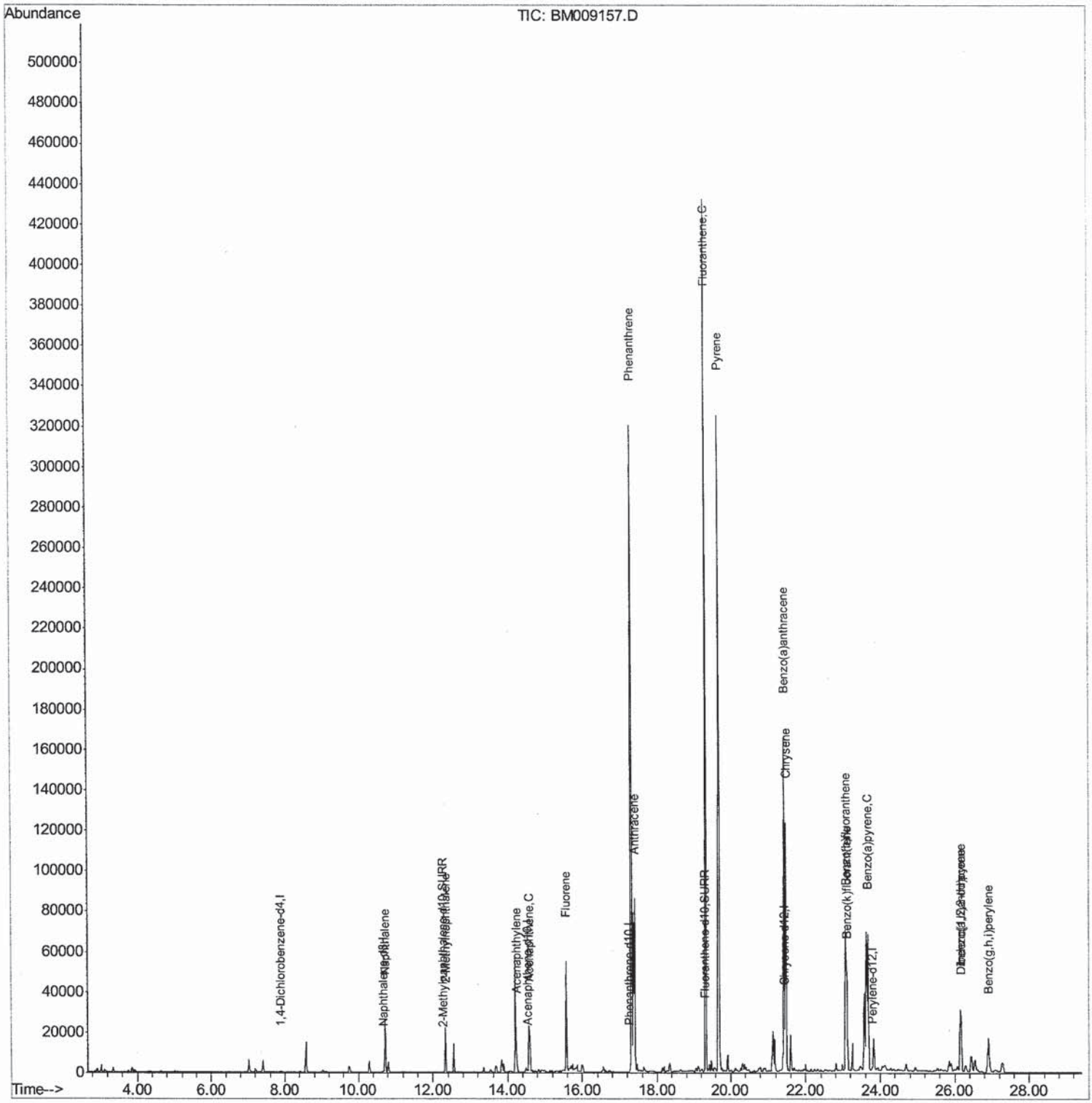
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 10 03:44:24 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM



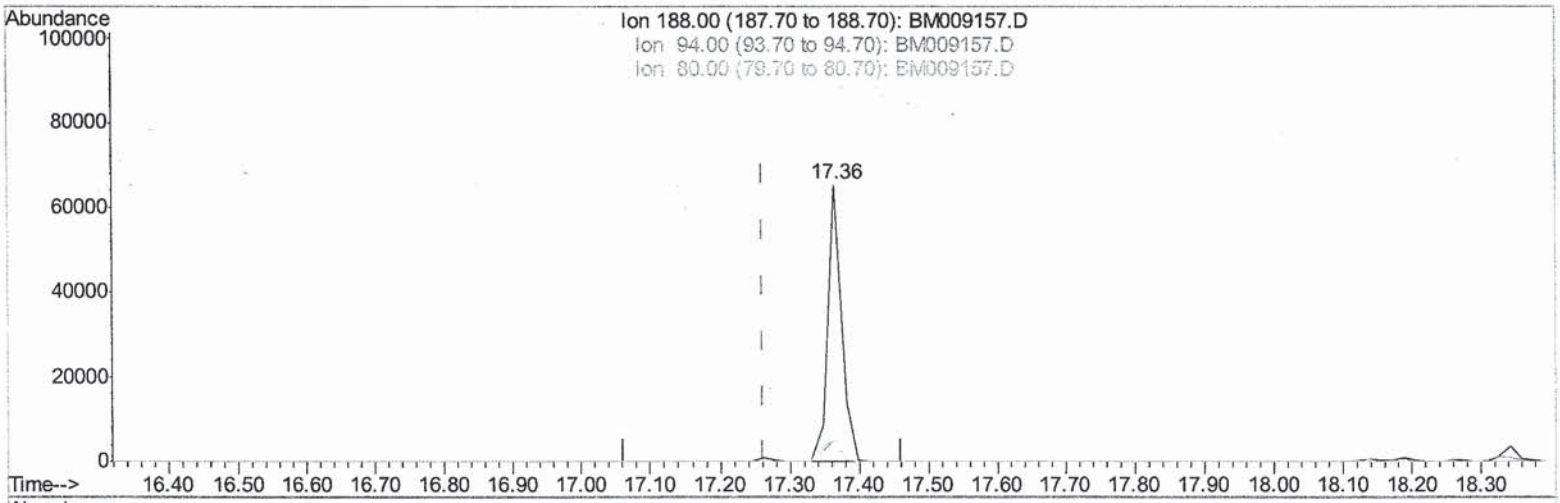
Quantitation Report (Qedit)

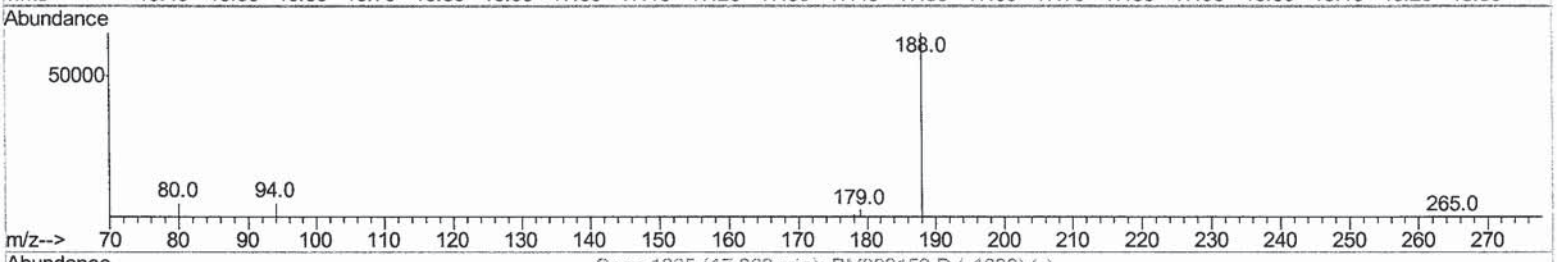
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

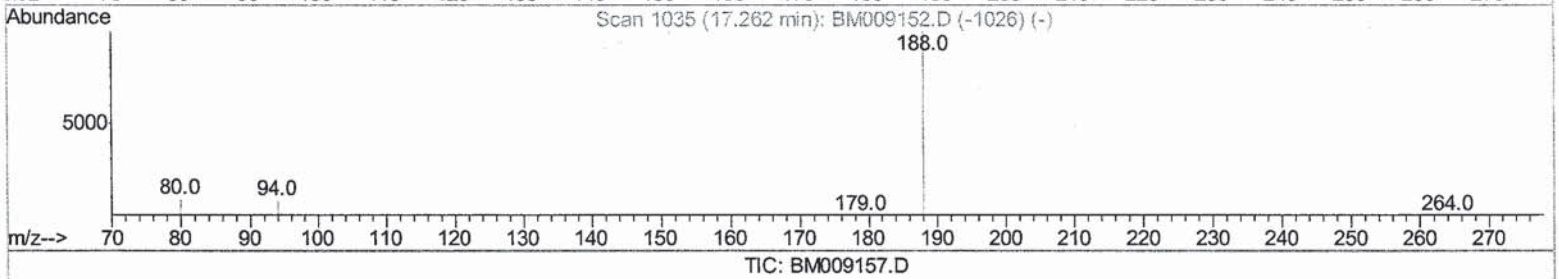
Quant Time: Mar 10 03:17:32 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(10) Phenanthrene-d10 (I)

17.365min (+0.103) 0.40ng/ul

response 90253

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	7.78#
80.00	11.80	7.71#
0.00	0.00	0.00

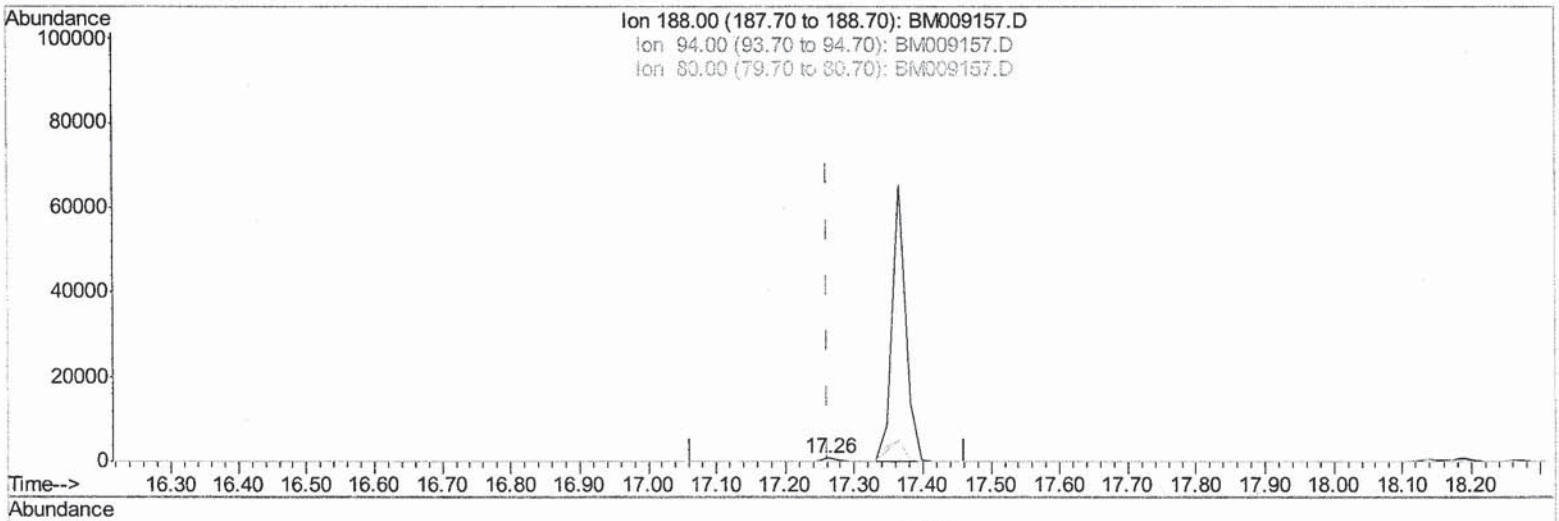
Quantitation Report (Qedit)

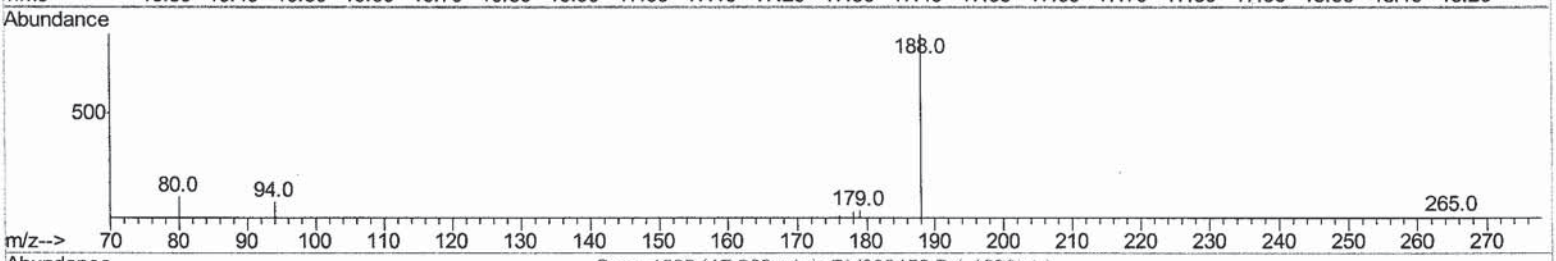
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

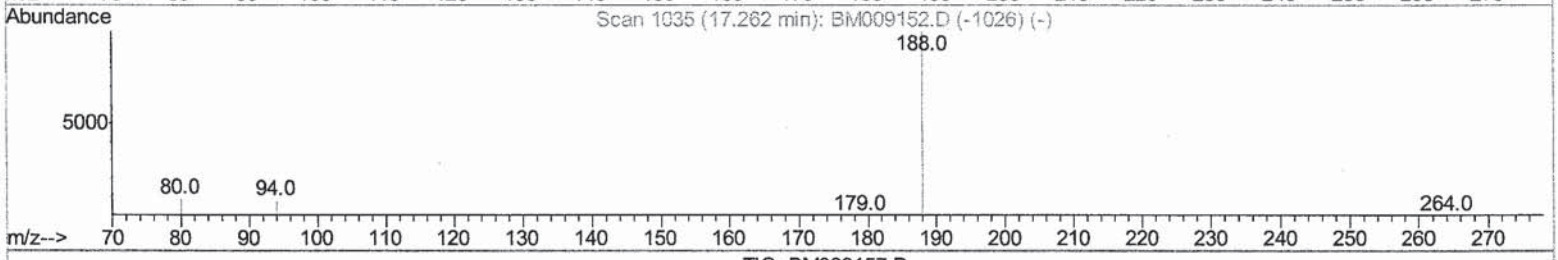
Quant Time: Mar 10 03:17:32 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(10) Phenanthrene-d10 (I)

17.262min (-0.000) 0.40ng/ul m SJ 3/13/17

response 1327

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	13.70#
80.00	11.80	16.53#
0.00	0.00	0.00

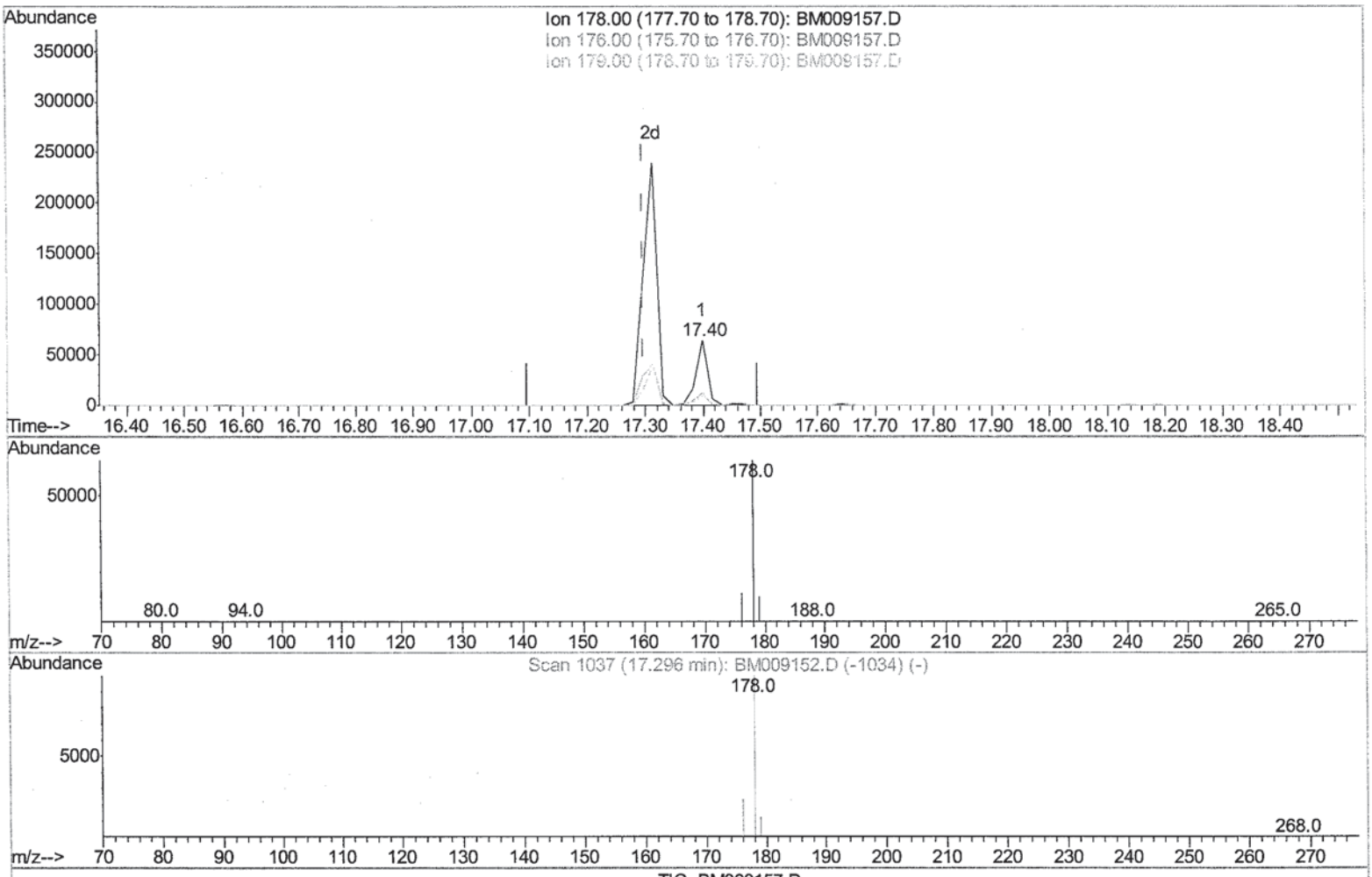
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 10 03:42:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM



TIC: BM009157.D

(12) Phenanthrene

17.399min (+0.103) 22.15ng/ul

response 92281

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	17.94#
179.00	17.00	15.70
0.00	0.00	0.00

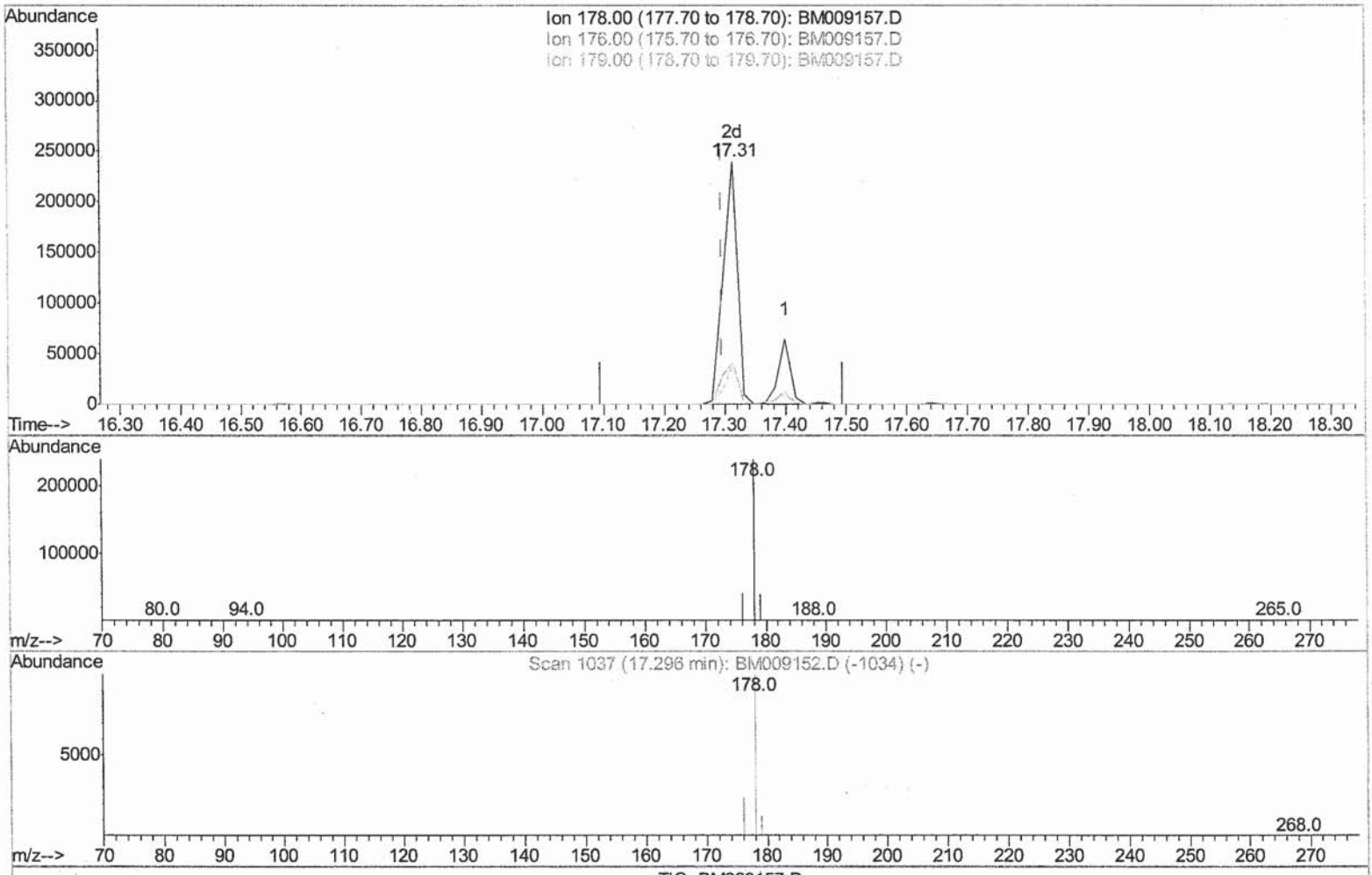
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 10 03:42:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM



TIC: BM009157.D

(12) Phenanthrene

17.313min (+0.017) 92.58ng/ul m SJ 3/13/17

response 385753

Ion	Exp%	Act%
178.00	100	100
176.00	23.00	16.88#
179.00	17.00	16.77
0.00	0.00	0.00

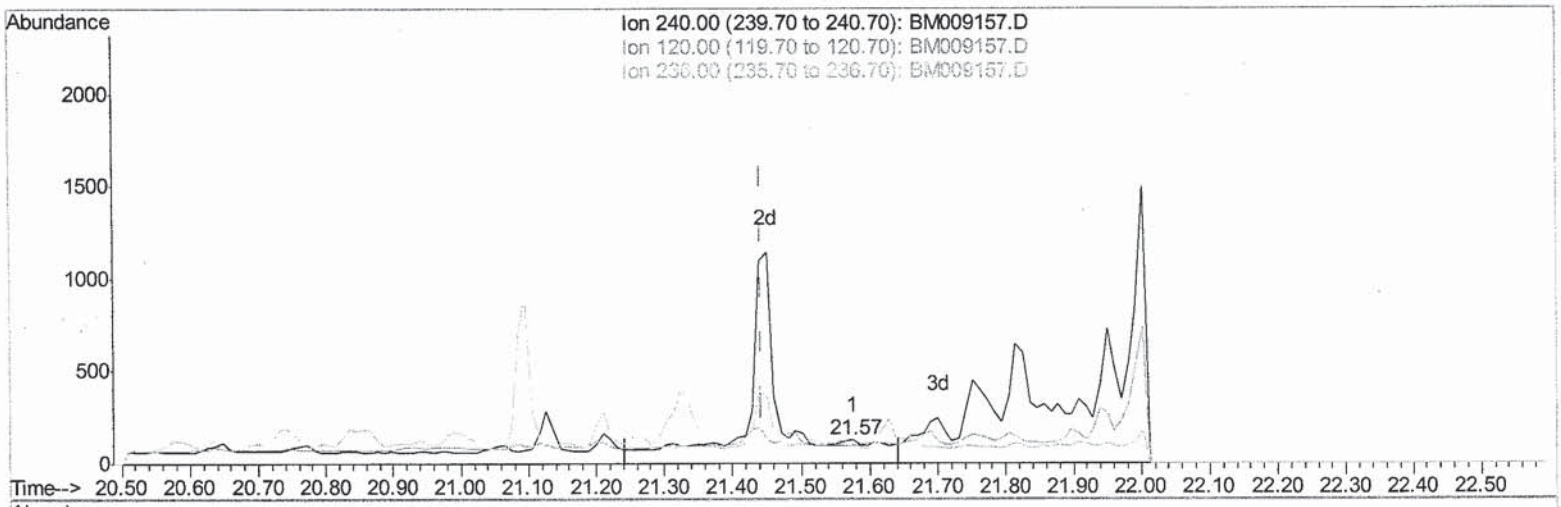
Quantitation Report (Qedit)

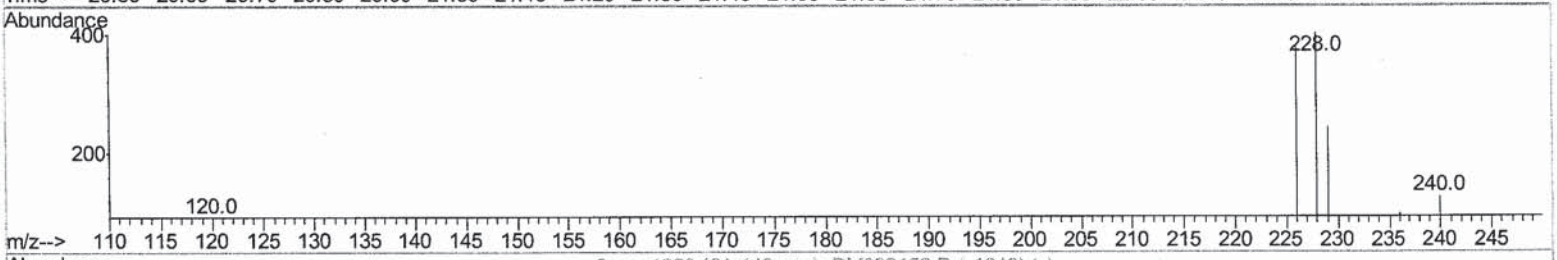
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

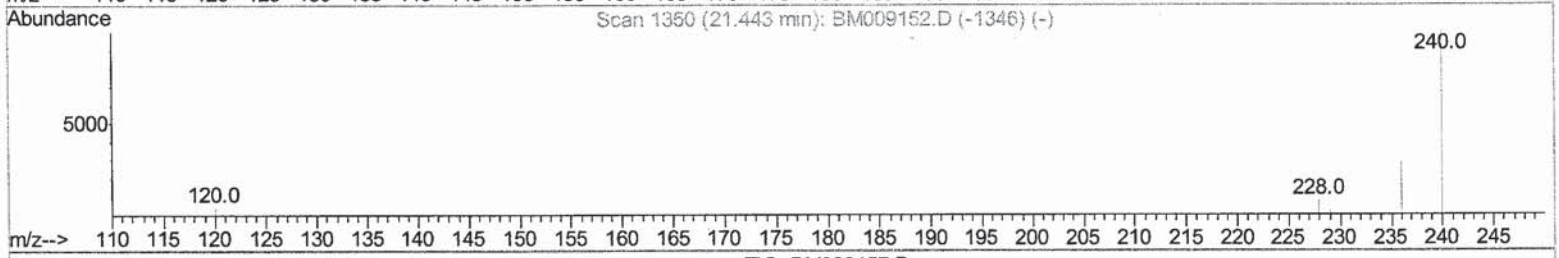
Quant Time: Mar 10 03:42:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(16) Chrysene-d12 (I)

21.575min (+0.132) 0.40ng/ul

response 59

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	73.81#
236.00	34.90	79.37#
0.00	0.00	0.00

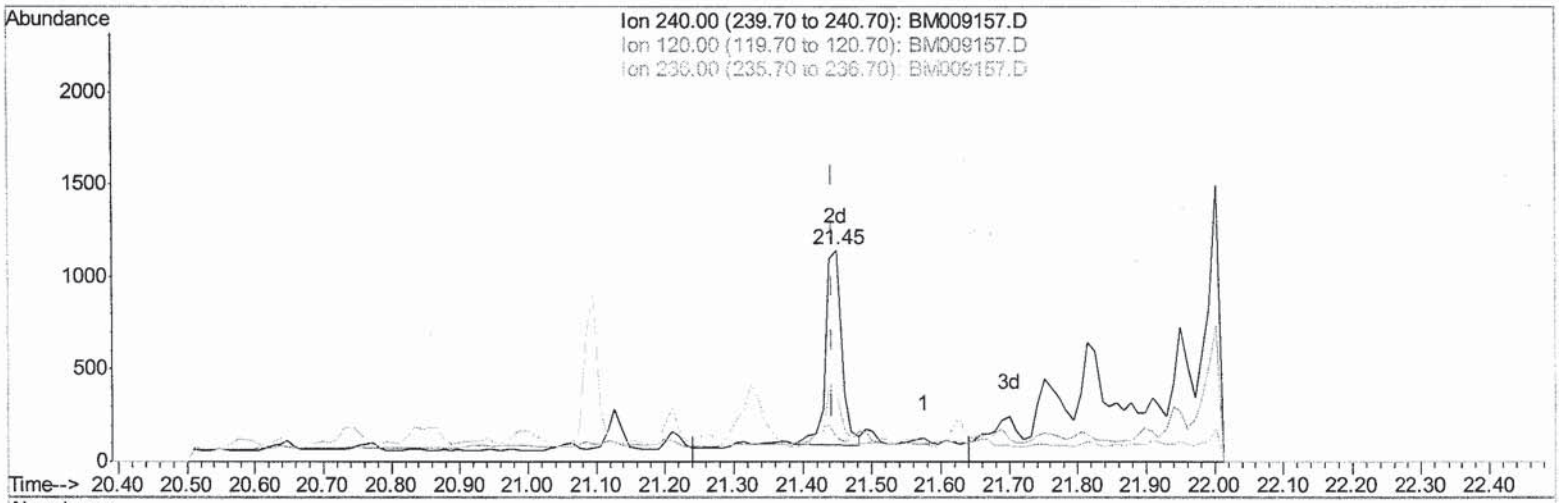
Quantitation Report (Qedit)

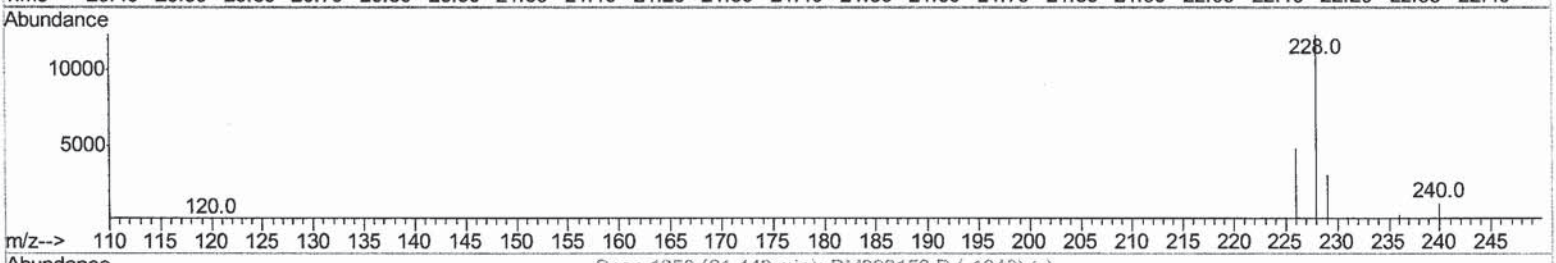
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

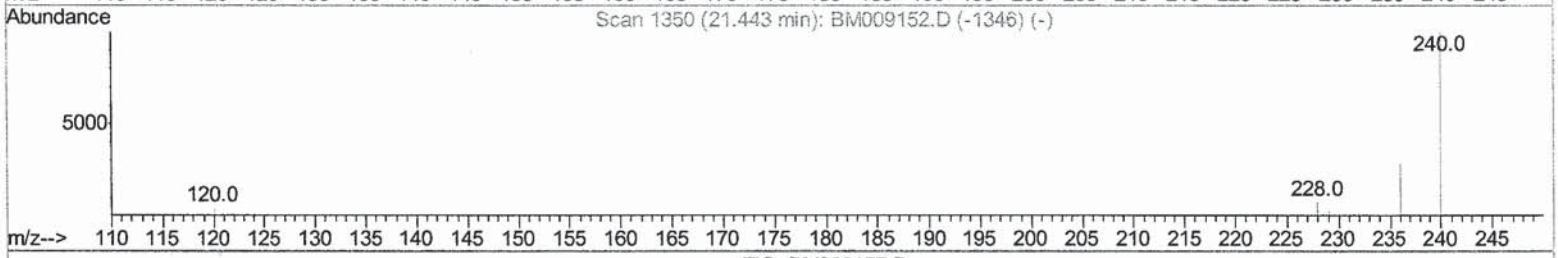
Quant Time: Mar 10 03:42:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(16) Chrysene-d12 (I)

21.450min (+0.007) 0.40ng/ul m SJ 3/13/17

response 1740

Ion	Exp%	Act%
240.00	100	100
120.00	20.60	11.21#
236.00	34.90	30.65
0.00	0.00	0.00

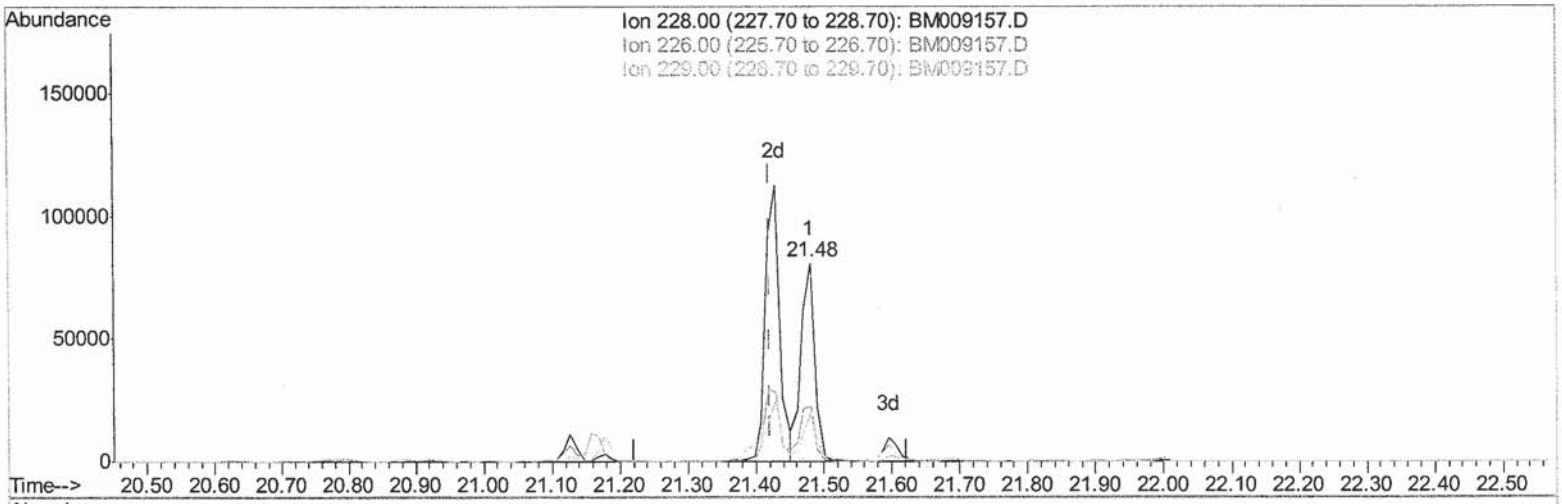
Quantitation Report (Qedit)

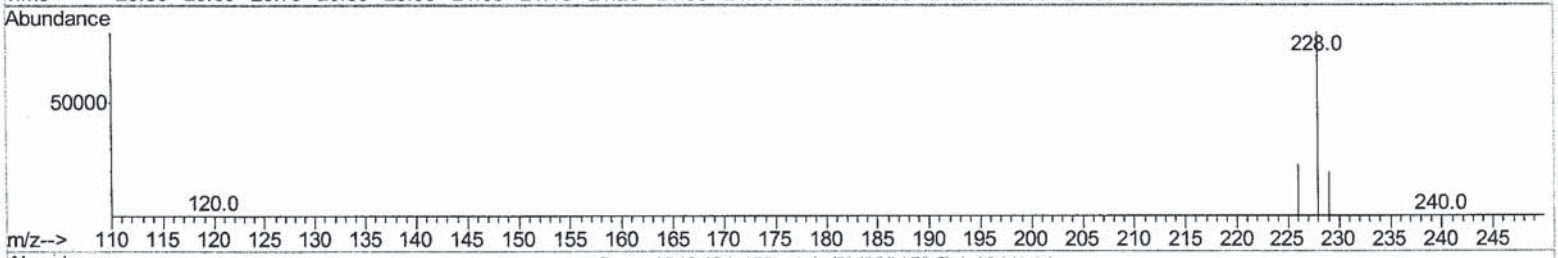
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

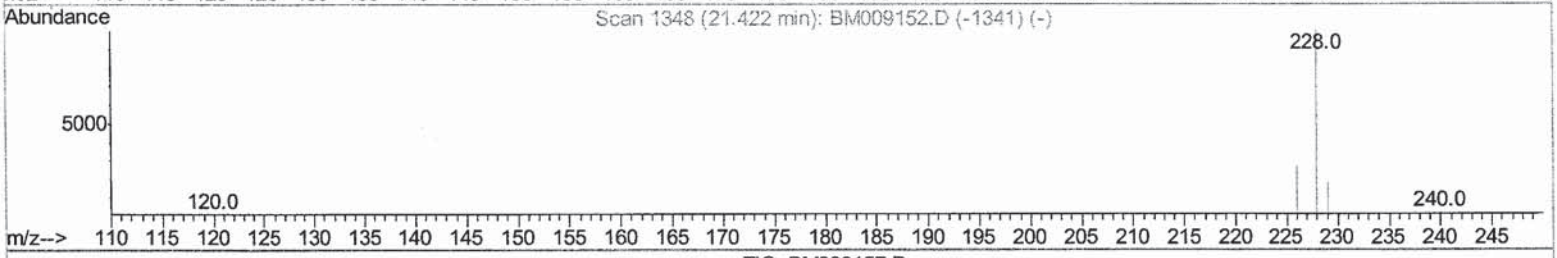
Quant Time: Mar 10 03:43:32 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(18) Benzo(a)anthracene

21.481min (+0.059) 20.27ng/ul

response 117182

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	27.92
229.00	21.30	24.40
0.00	0.00	0.00

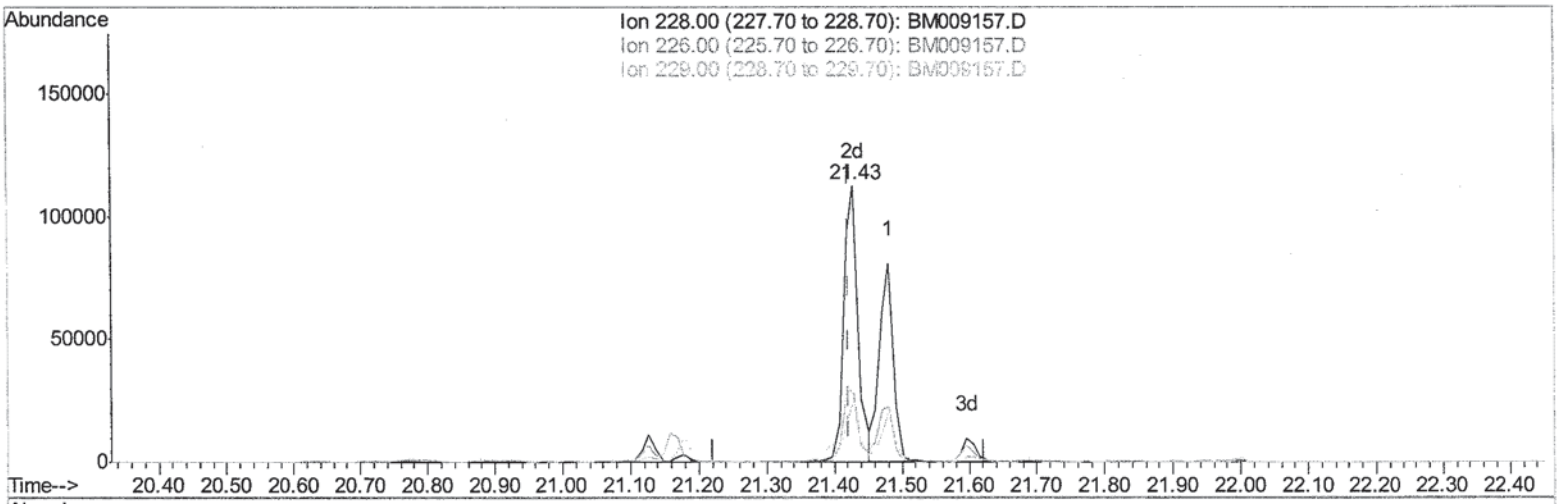
Quantitation Report (Qedit)

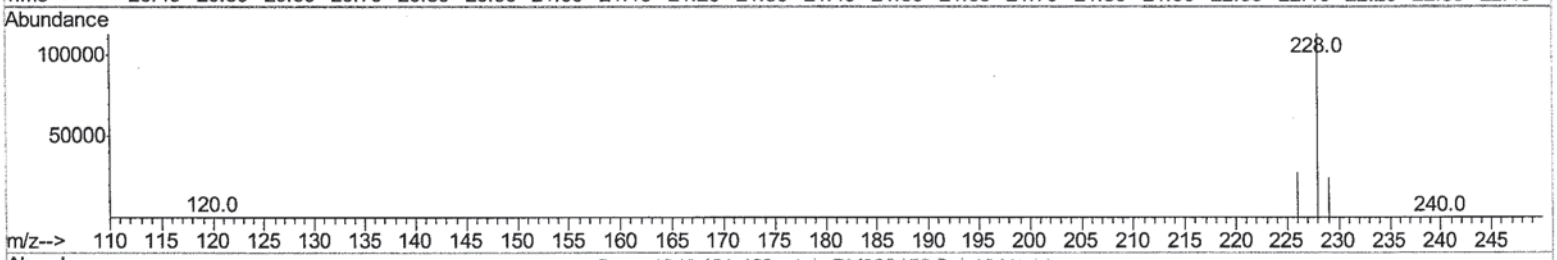
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

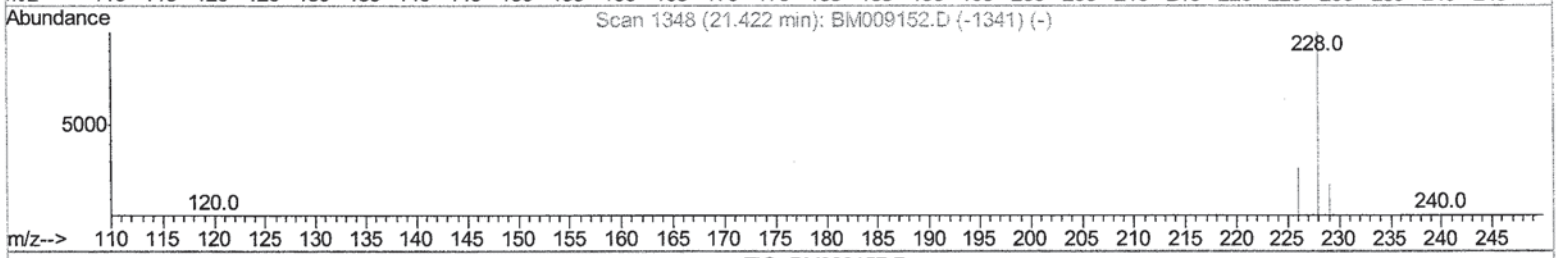
Quant Time: Mar 10 03:43:32 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(18) Benzo(a)anthracene

21.429min (+0.007) 28.72ng/ul m SJ 3/13/17

response 166025

Ion	Exp%	Act%
228.00	100	100
226.00	28.50	25.02
229.00	21.30	21.81
0.00	0.00	0.00

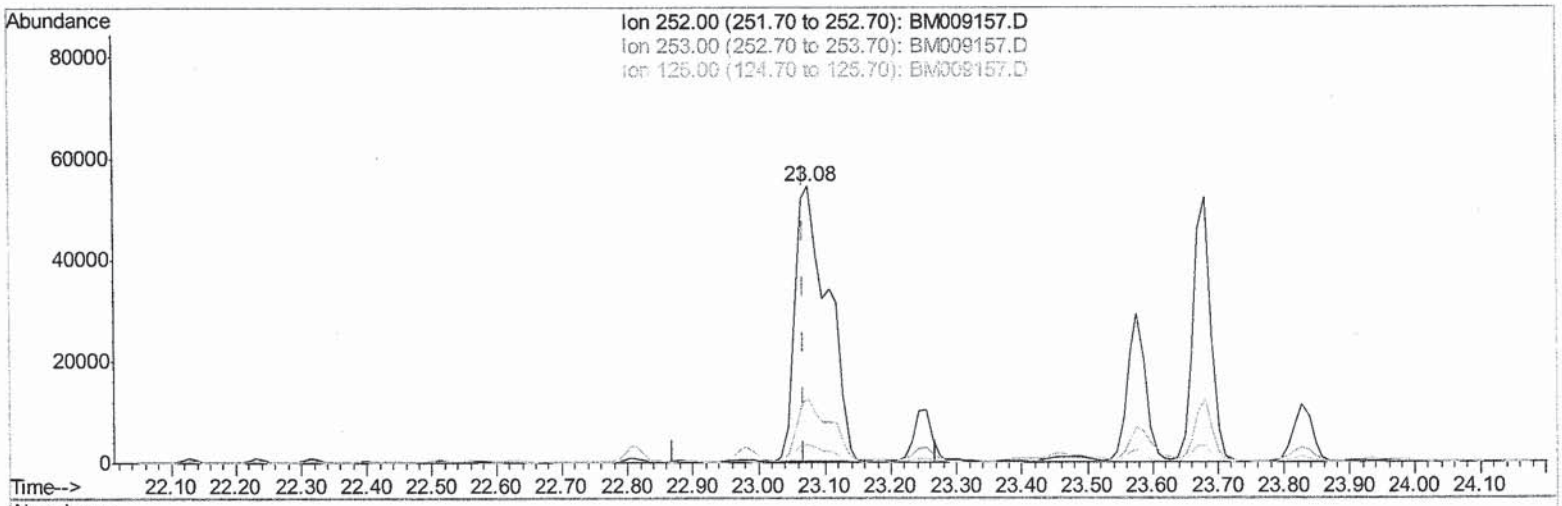
Quantitation Report (Qedit)

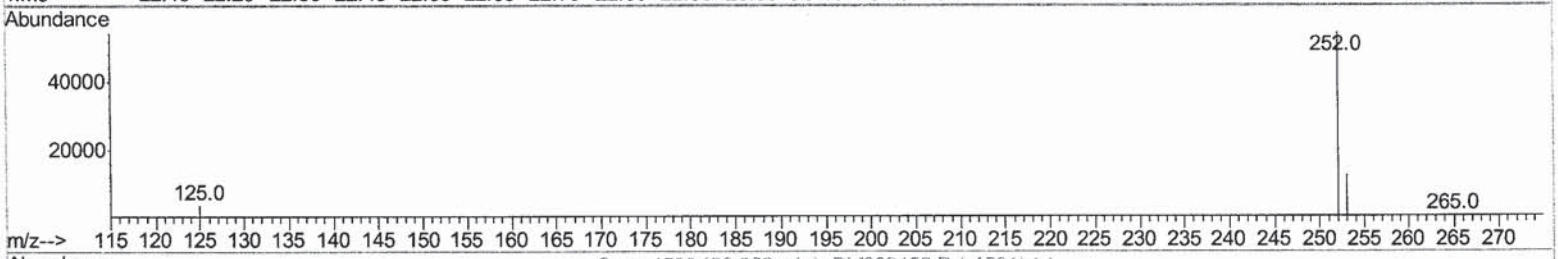
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

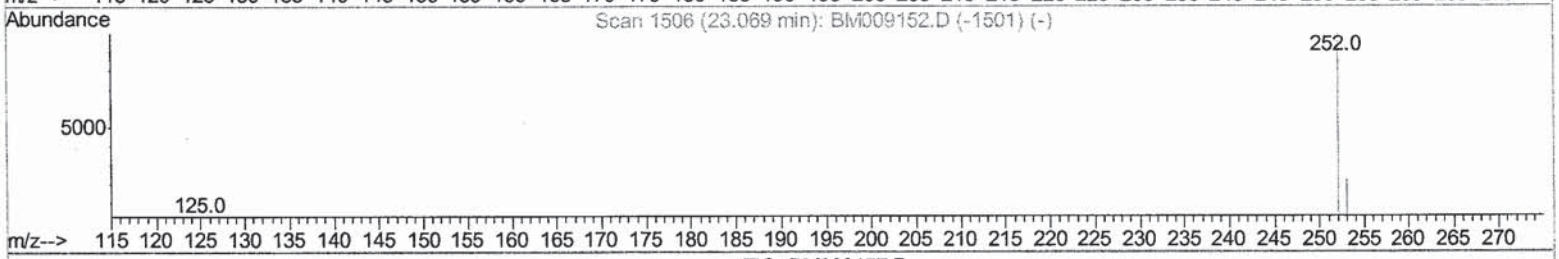
Quant Time: Mar 10 03:43:32 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(21) Benzo(b)fluoranthene

23.076min (+0.007) 36.08ng/ul

response 185275

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.00
125.00	17.50	6.40
0.00	0.00	0.00

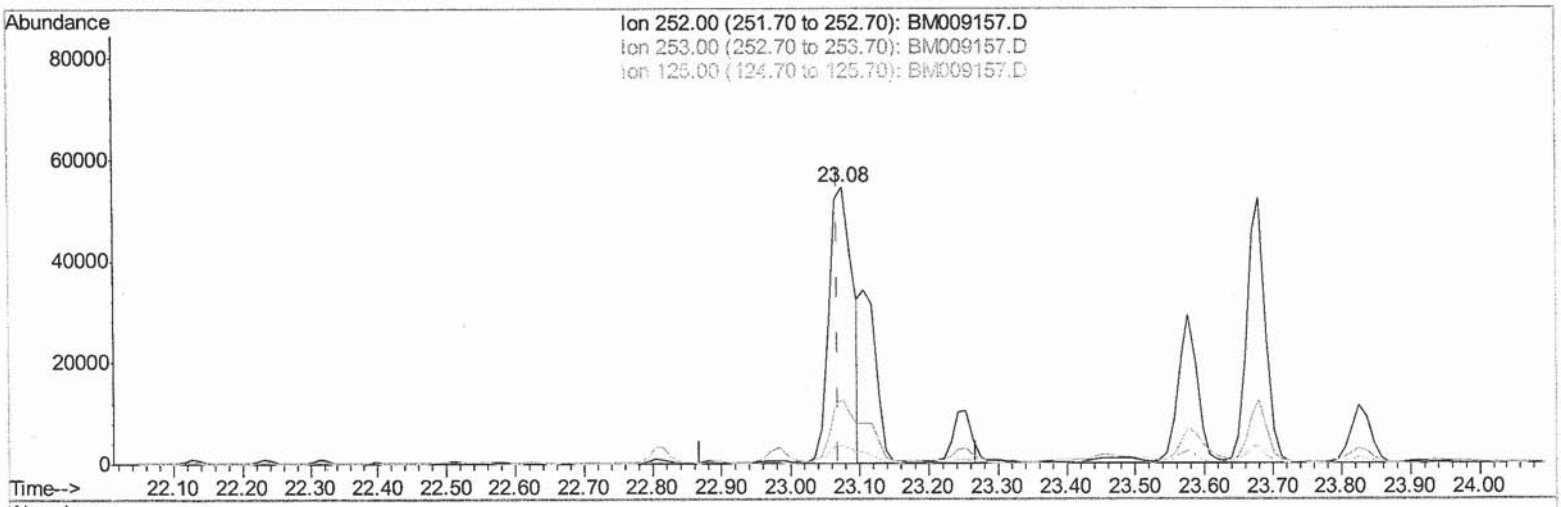
Quantitation Report (Qedit)

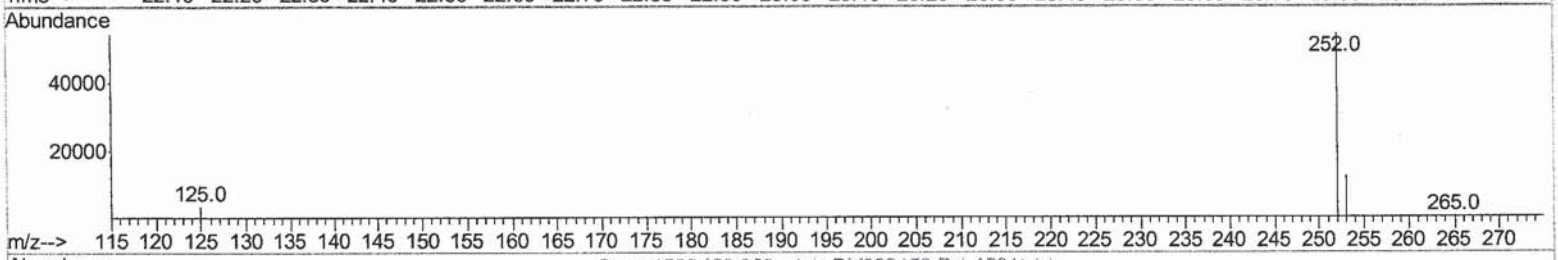
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

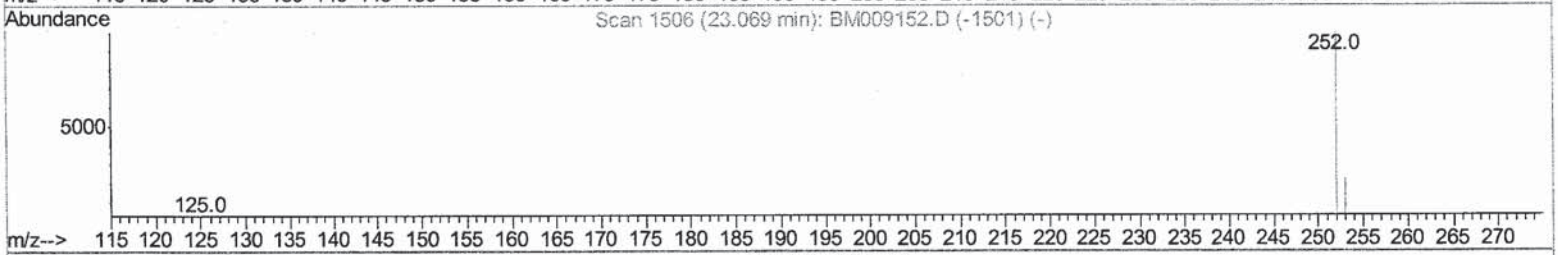
Quant Time: Mar 10 03:43:32 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(21) Benzo(b)fluoranthene

23.076min (+0.007) 26.34ng/ul m SJ 3/13/17

response 135256

Ion	Exp%	Act%
252.00	100	100
253.00	32.10	23.00
125.00	17.50	6.40
0.00	0.00	0.00

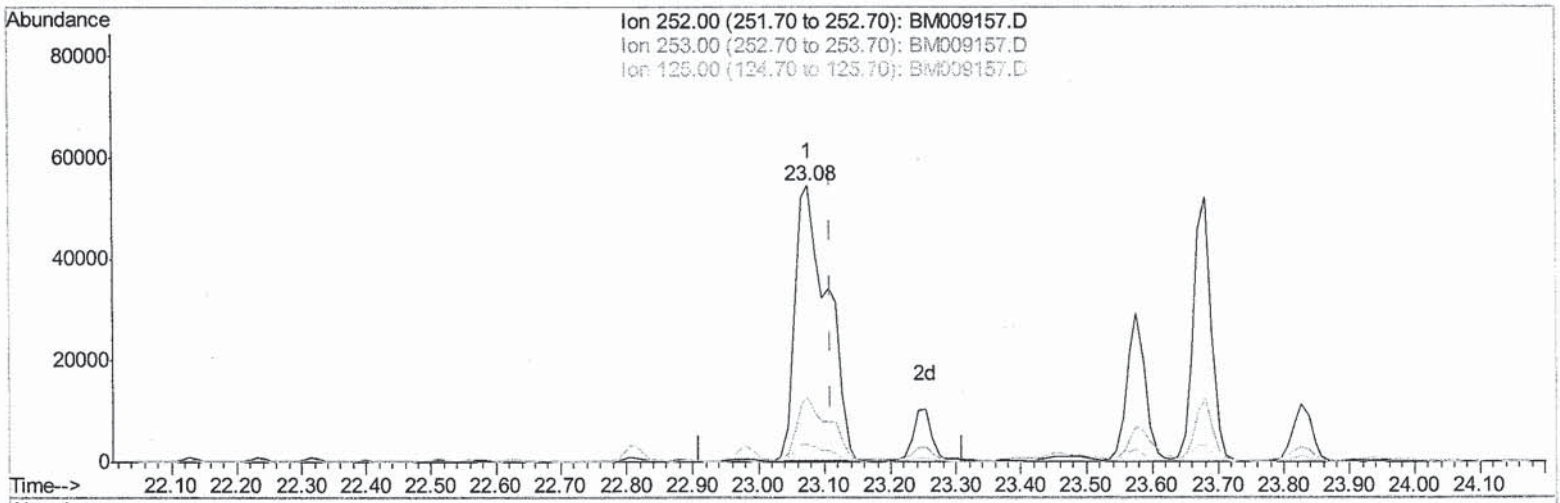
Quantitation Report (Qedit)

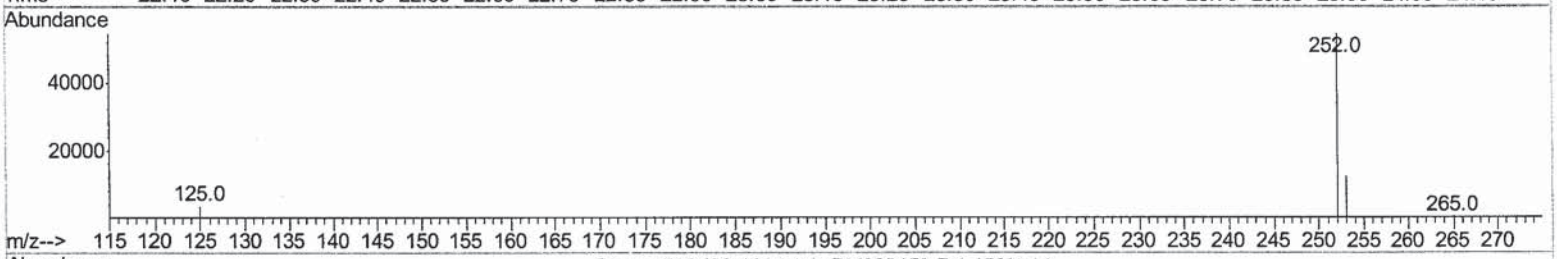
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

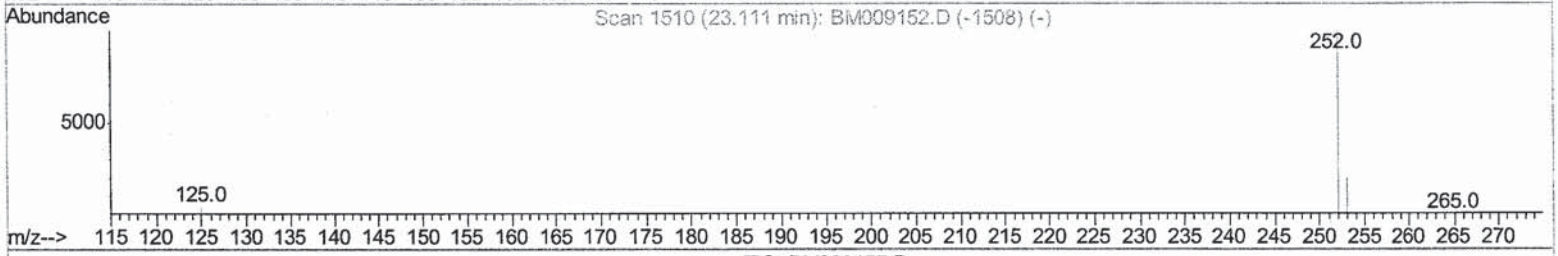
Quant Time: Mar 10 03:43:32 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(22) Benzo(k)fluoranthene

23.076min (-0.035) 40.81ng/ul

response 185275

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	23.00#
125.00	17.10	6.40#
0.00	0.00	0.00

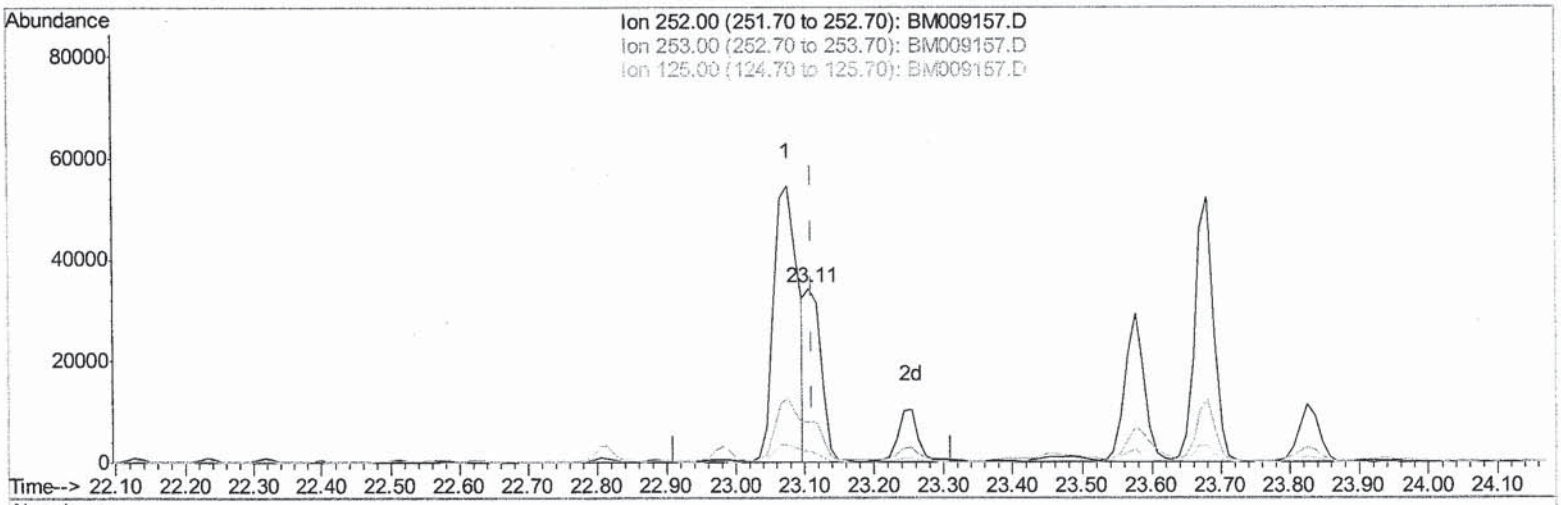
Quantitation Report (Qedit)

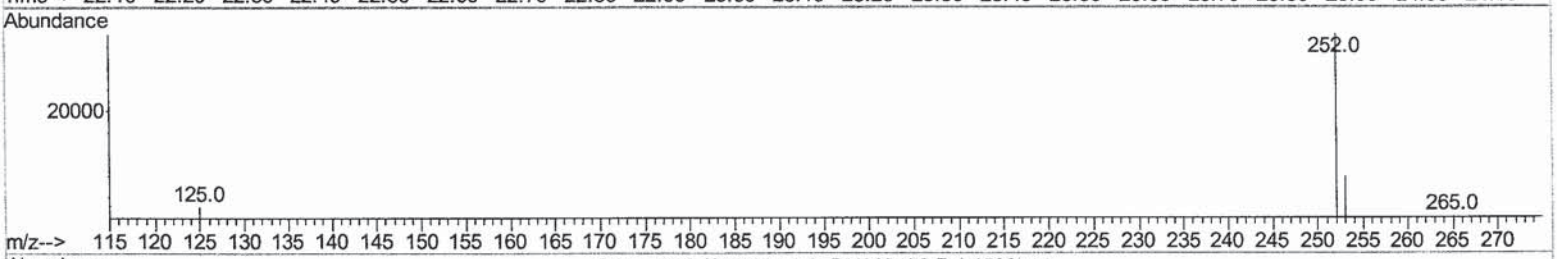
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

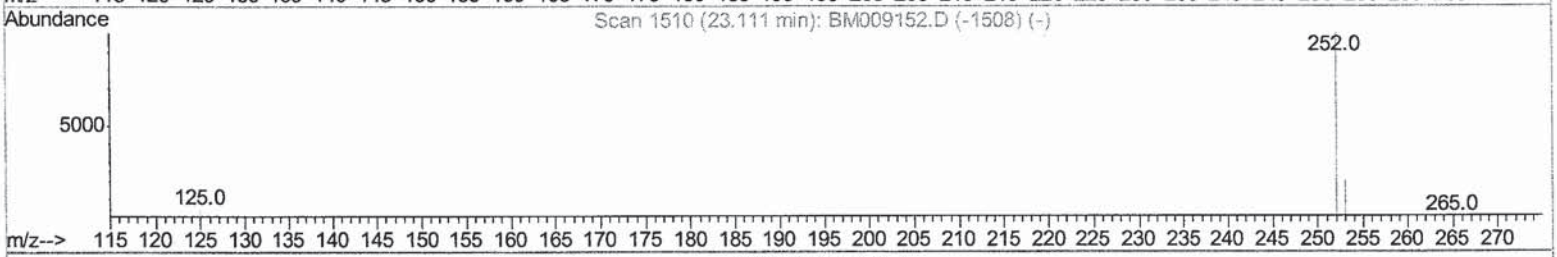
Quant Time: Mar 10 03:43:32 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM







TIC: BM009157.D

(22) Benzo(k)fluoranthene

23.107min (-0.003) 11.45ng/ul m SJ 3/13/17

response 51968

Ion	Exp%	Act%
252.00	100	100
253.00	30.60	22.85#
125.00	17.10	6.45#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030917\
Data File : BM009157.D
Acq On : 09 Mar 2017 22:09
Operator : SJ/MA
Sample : I2062-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AC7

Manual Integrations APPROVED
mohammad
3/10/2017 6:01:35 PM

Quant Time: Mar 10 03:44:24 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 10 03:16:46 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	273	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	876	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	643	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	1327m	0.40	ng/ul	0.00
16) Chrysene-d12	21.45	240	1740m	0.40	ng/ul	0.00
20) Perylene-d12	23.78	264	1307	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	425	0.29	ng/ul	0.00
14) Fluoranthene-d10	19.30	212	1389	0.33	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.73	128	34959	13.84	ng/ul#	93
5) 2-Methylnaphthalene	12.34	142	13998	7.71	ng/ul	100
7) Acenaphthylene	14.23	152	7340	2.19	ng/ul	96
8) Acenaphthene	14.57	153	17013	6.62	ng/ul	88
9) Fluorene	15.56	166	45539	15.16	ng/ul#	80
12) Phenanthrene	17.31	178	385753m	92.58	ng/ul	
13) Anthracene	17.40	178	93589	22.74	ng/ul#	92
15) Fluoranthene	19.33	202	392443	72.21	ng/ul	92
17) Pyrene	19.69	202	295934	49.45	ng/ul	96
18) Benzo(a)anthracene	21.43	228	166025m	28.72	ng/ul	
19) Chrysene	21.48	228	117182	21.37	ng/ul	97
21) Benzo(b)fluoranthene	23.08	252	135256m	26.34	ng/ul	
22) Benzo(k)fluoranthene	23.11	252	51968m	11.45	ng/ul	
23) Benzo(a)pyrene	23.68	252	97293	21.06	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	26.16	276	52122	8.87	ng/ul#	88
25) Dibenzo(a,h)anthracene	26.17	278	14774	2.99	ng/ul#	86
26) Benzo(g,h,i)perylene	26.90	276	39821	7.95	ng/ul#	85

SJ 3/13/17

SJ 3/13/17

SJ 3/13/17

SJ 3/13/17

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