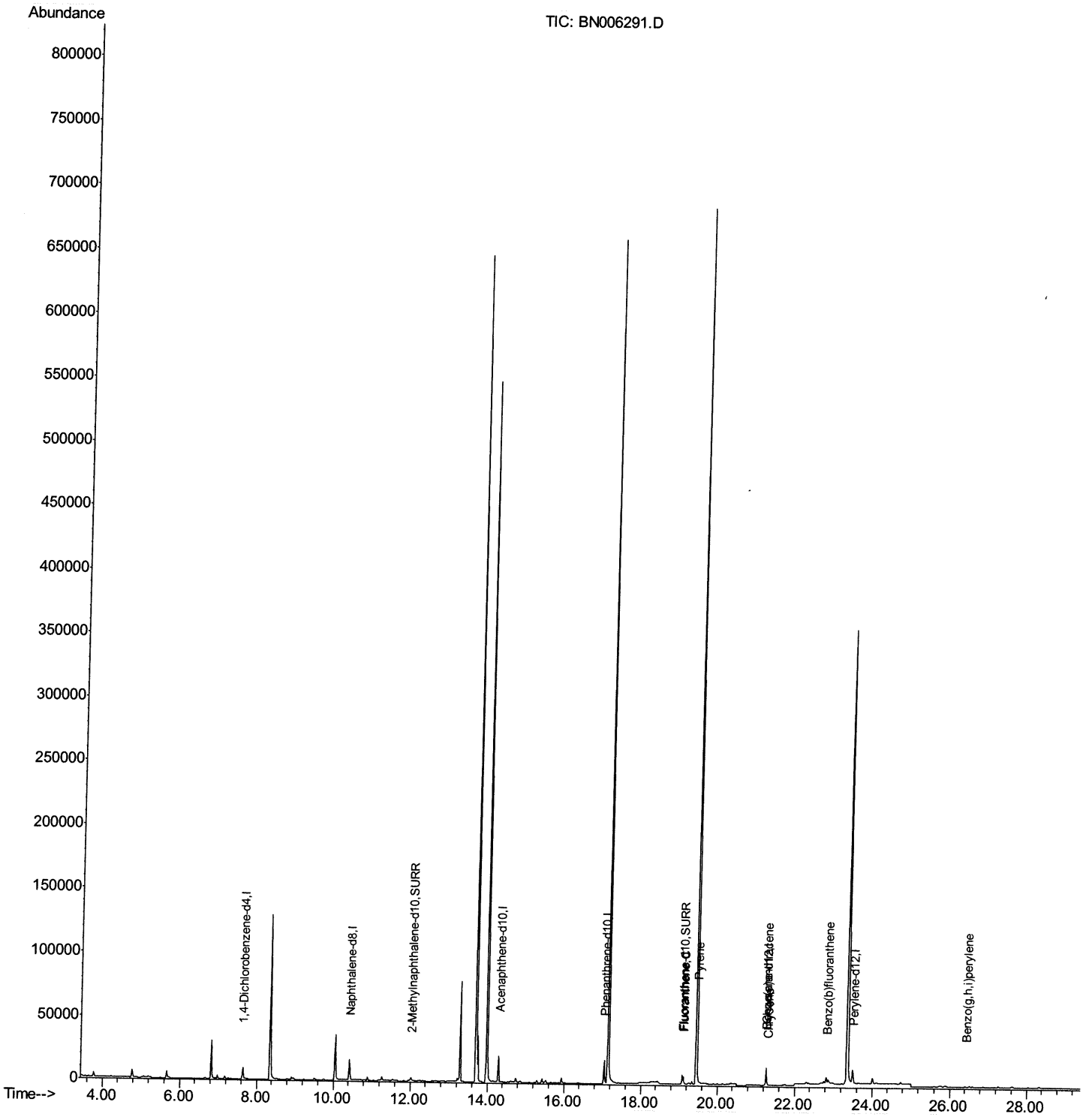
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 02:57:13 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 : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM



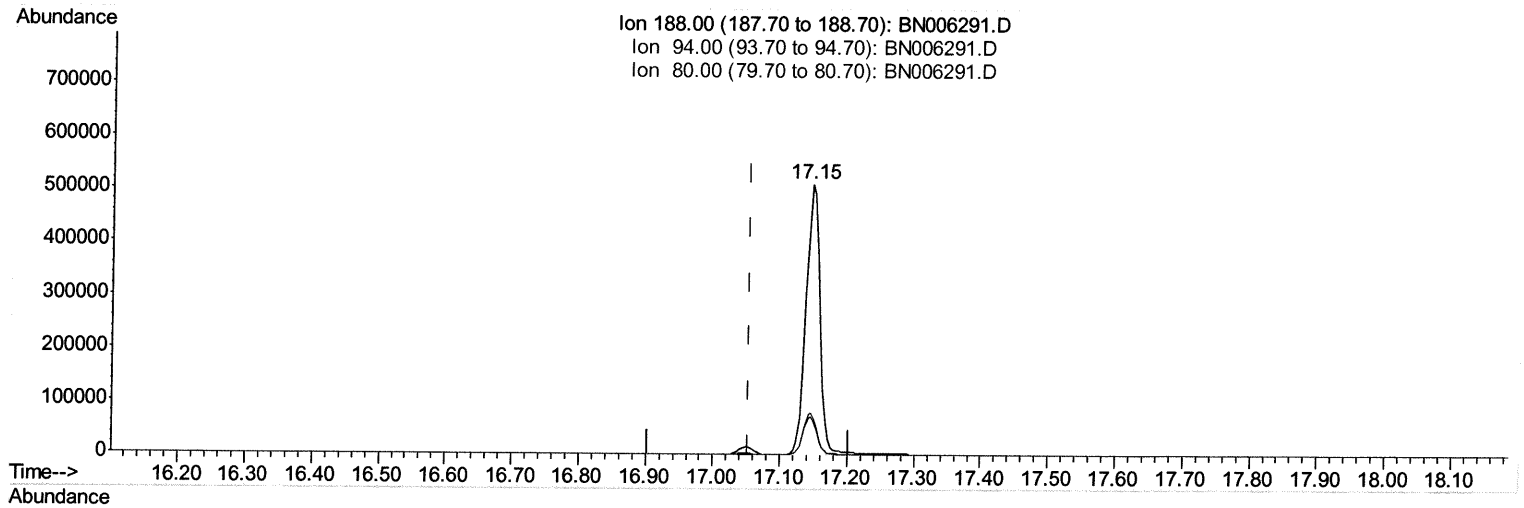
Quantitation Report (Qedit)

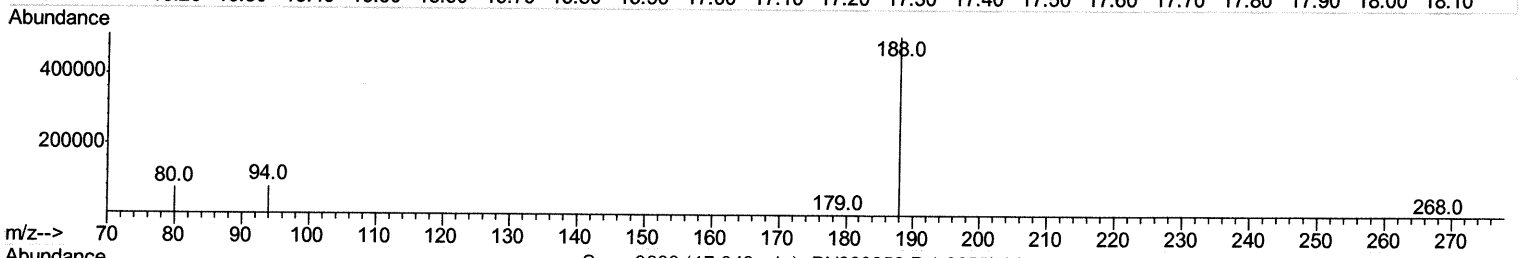
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

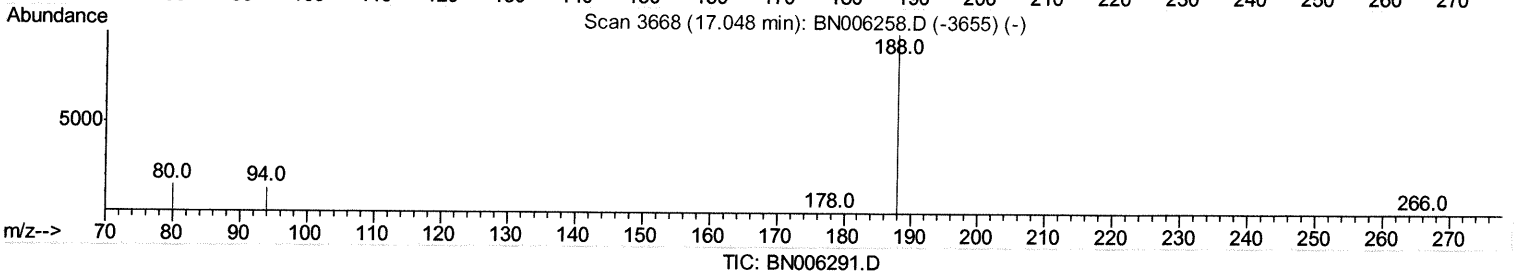
Quant Time: Jun 13 01:22:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM







TIC: BN006291.D

(10) Phenanthrene-d10 (I)

17.145min (+0.093) 0.40ng/ul

response 725057

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.42
80.00	13.60	14.10
0.00	0.00	0.00

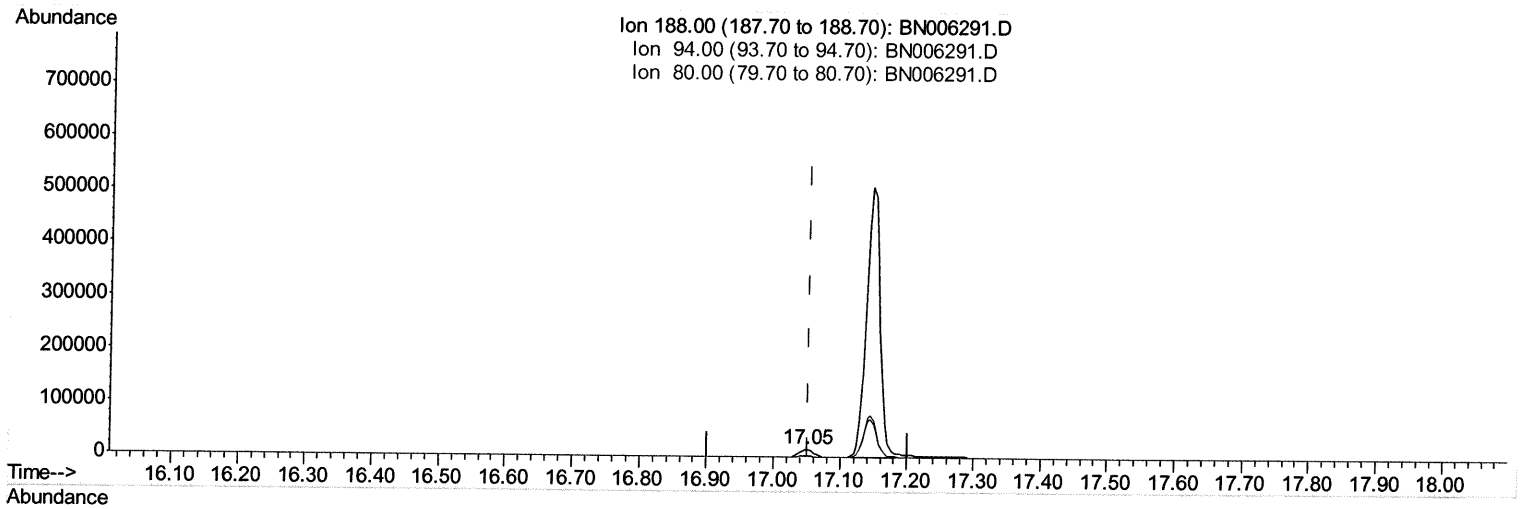
Quantitation Report (Qedit)

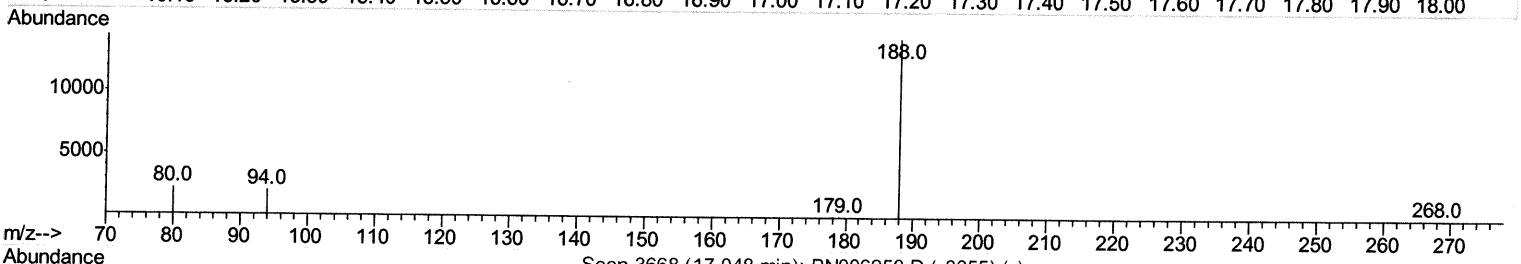
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

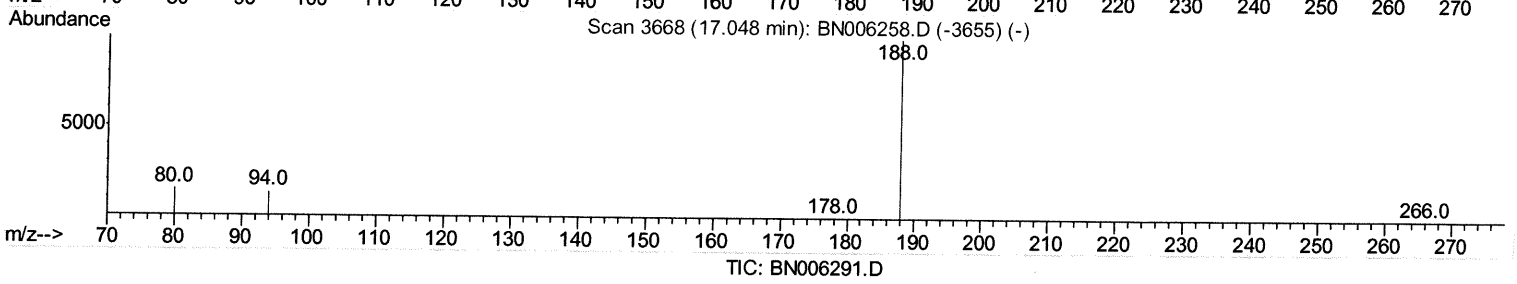
Quant Time: Jun 13 01:22:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM







TIC: BN006291.D

(10) Phenanthrene-d10 (I) JU 06/12/19

17.048min (-0.005) 0.40ng/ul m

response 21259

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.01
80.00	13.60	15.37
0.00	0.00	0.00

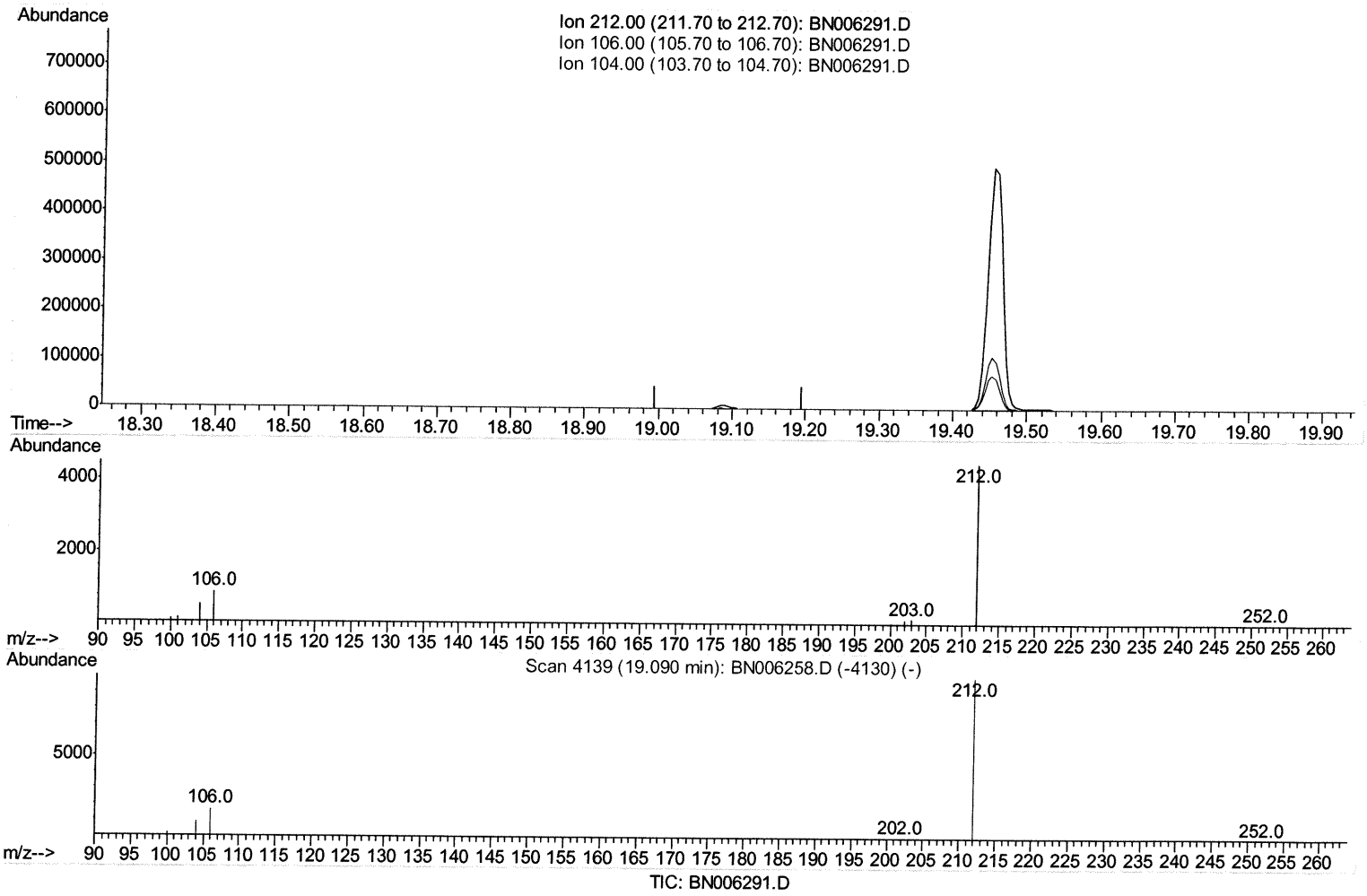
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 02:52:19 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 : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM



(14) Fluoranthene-d10 (SURR)

19.095min (-19.095) 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

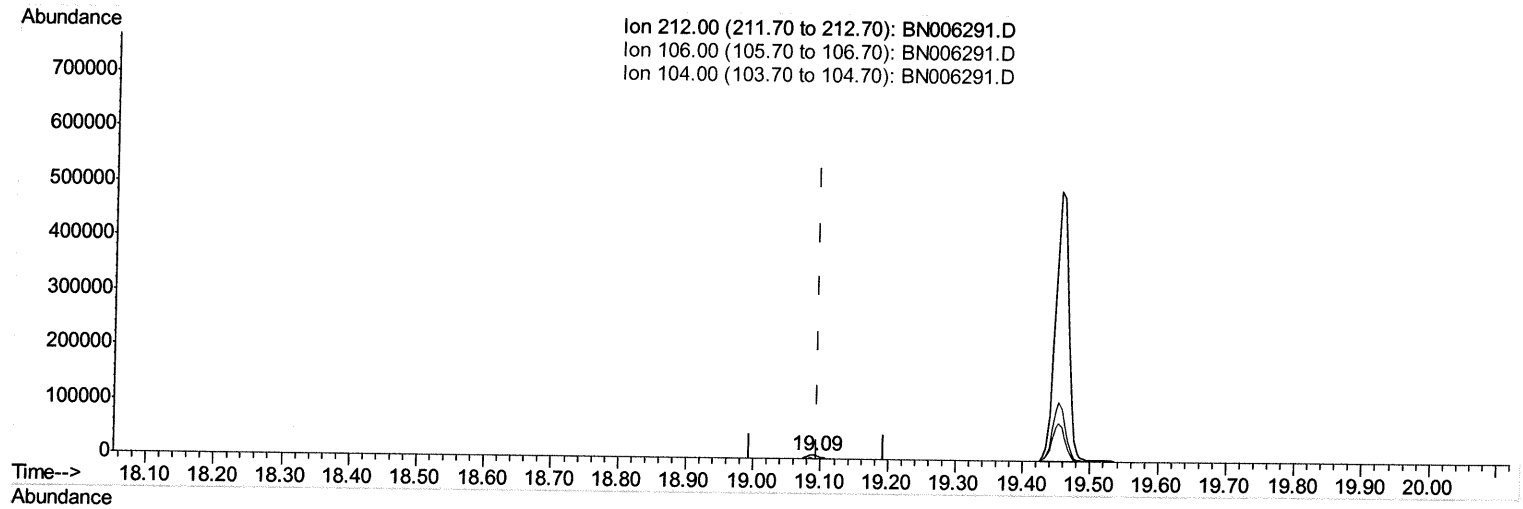
Quantitation Report (Qedit)

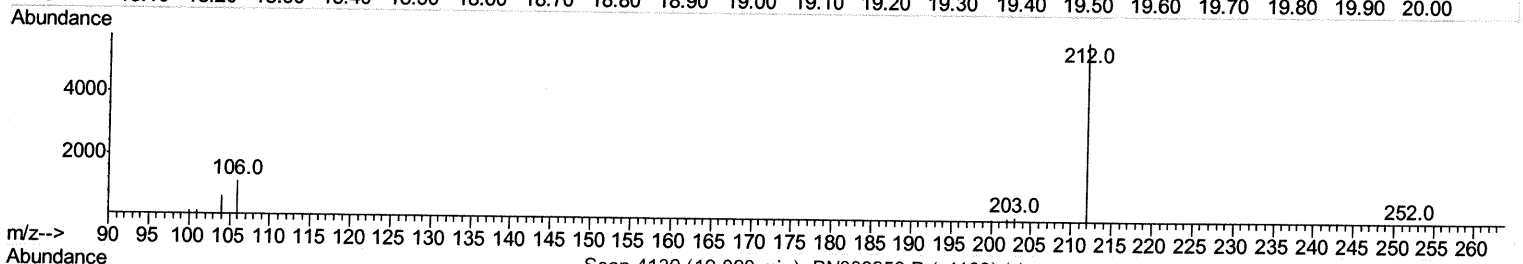
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

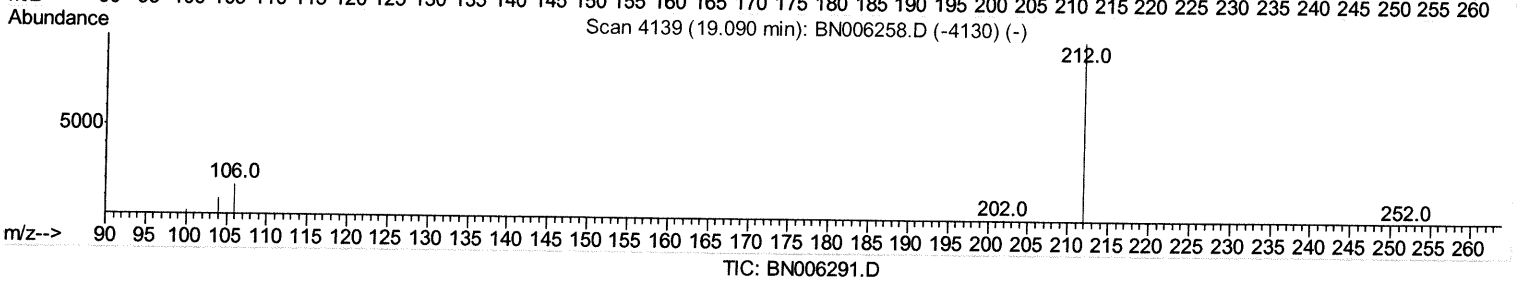
Quant Time: Jun 13 02:52:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM







(14) Fluoranthene-d10 (SURR)

19.090min (-0.005) 0.14ng/ul m JU 06/13/19

response 8161

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

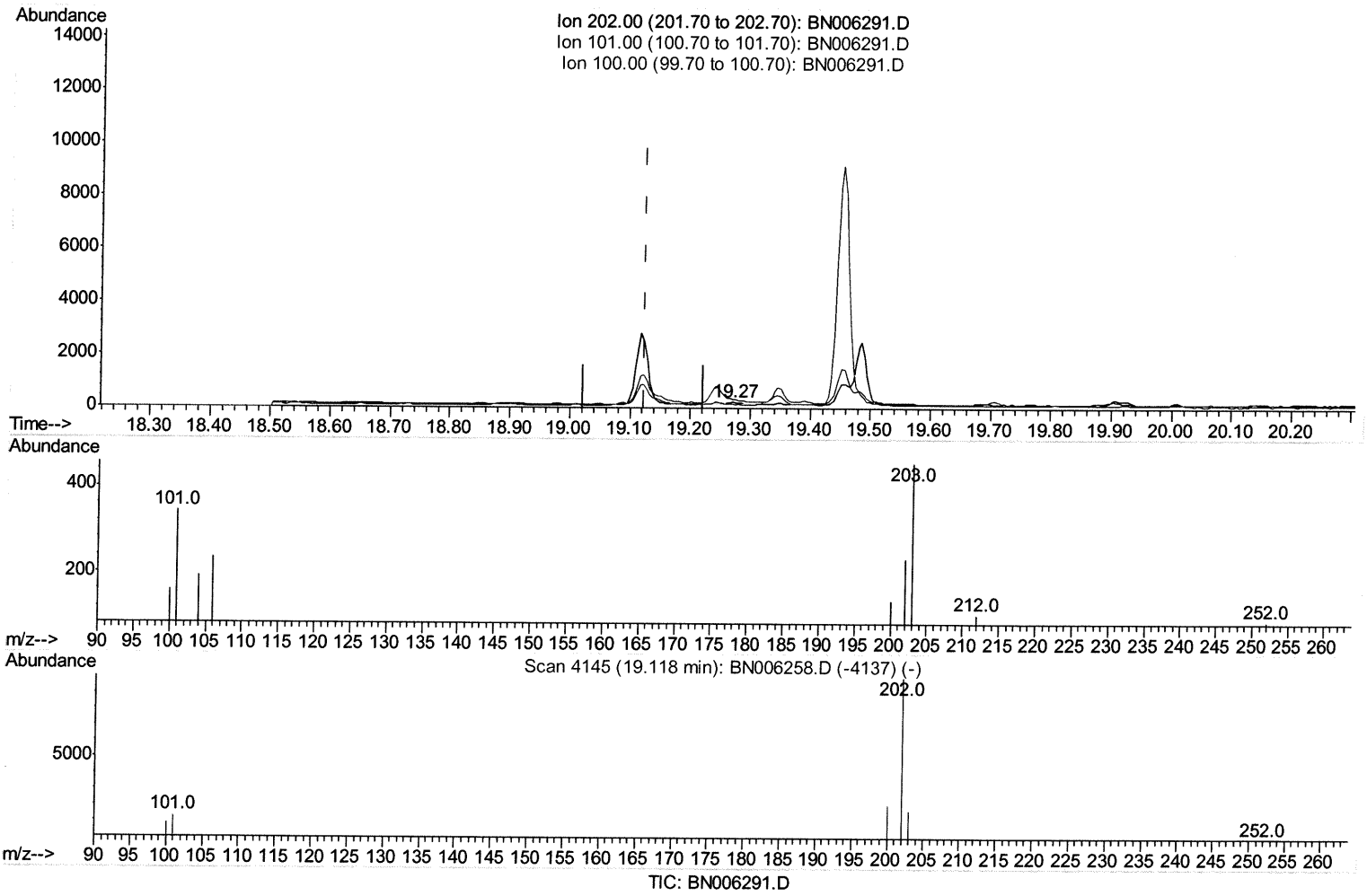
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 02:52:19 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 : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM



TIC: BN006291.D

(15) Fluoranthene (C)

19.271min (+0.148) 0.00ng/ul

response 142

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	147.41#
100.00	8.70	68.10#
0.00	0.00	0.00

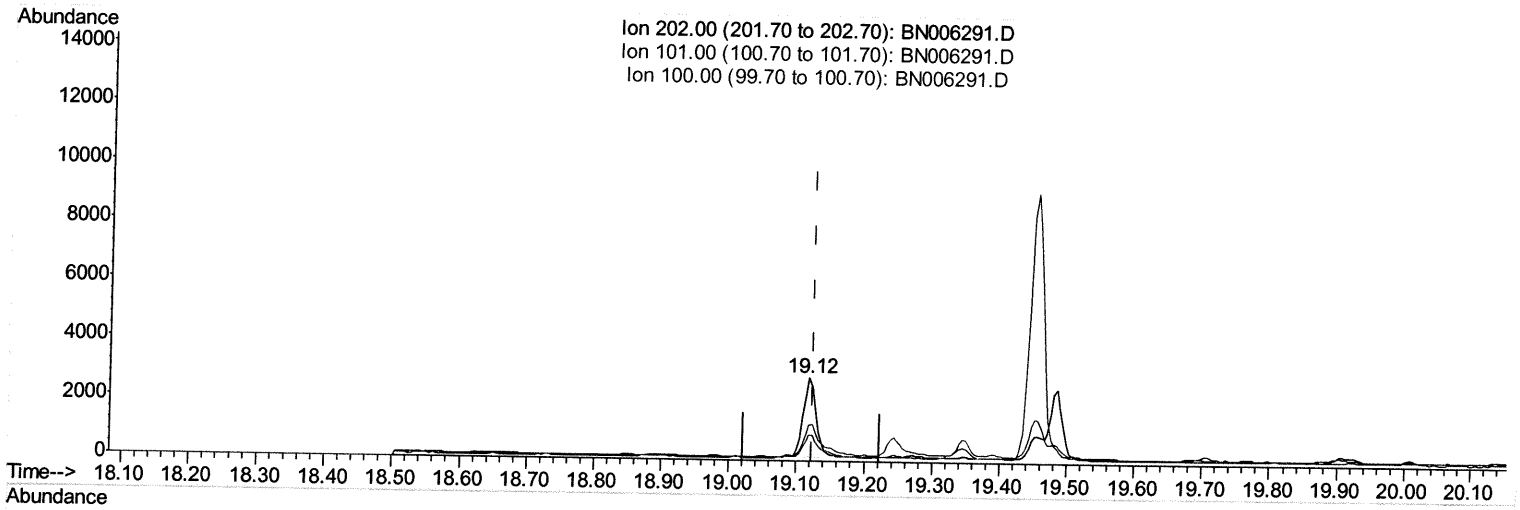
Quantitation Report (Qedit)

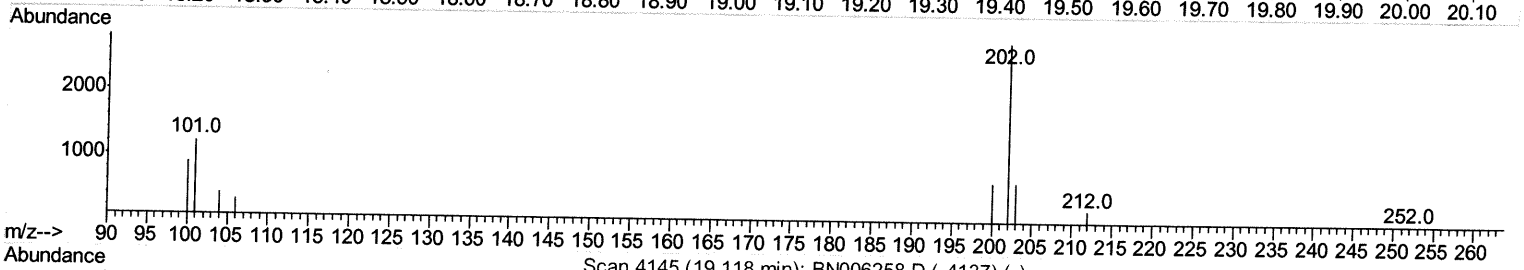
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

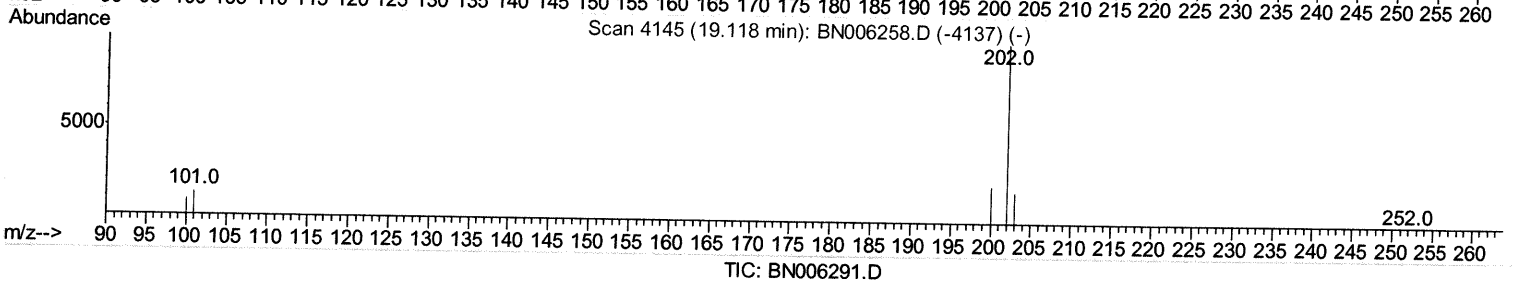
Quant Time: Jun 13 02:52:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM







TIC: BN006291.D

(15) Fluoranthene (C)

19.118min (-0.005) 0.05ng/ul m JU 06/13/19

response 3663

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	42.92#
100.00	8.70	31.38#
0.00	0.00	0.00

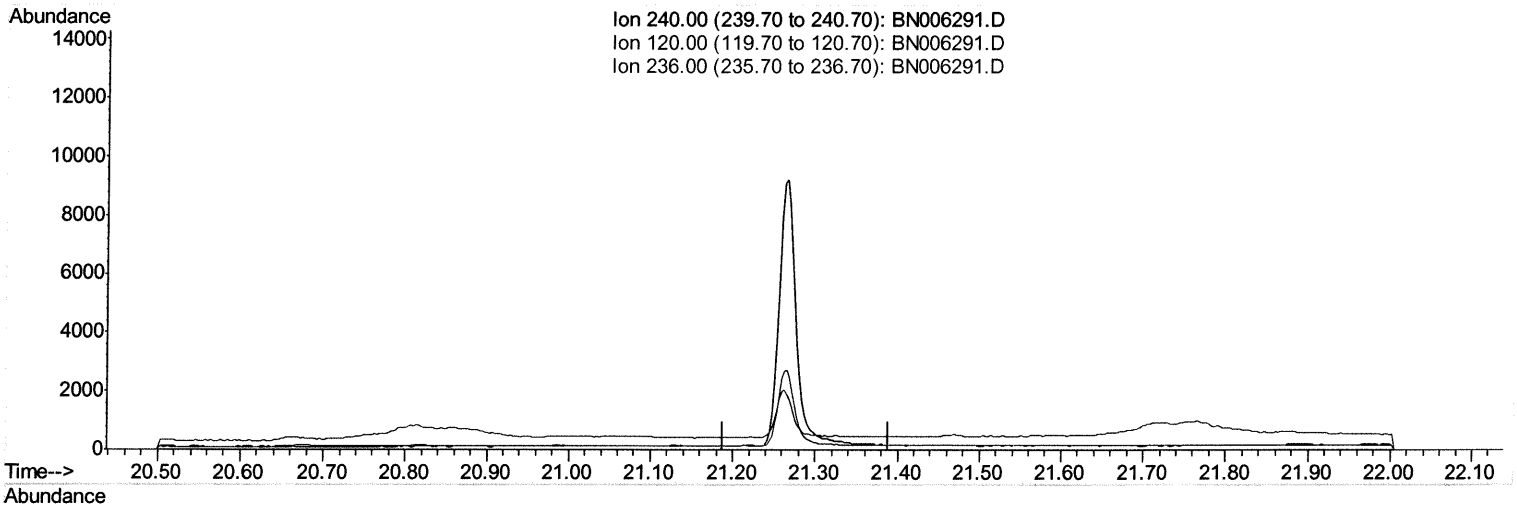
Quantitation Report (Qedit)

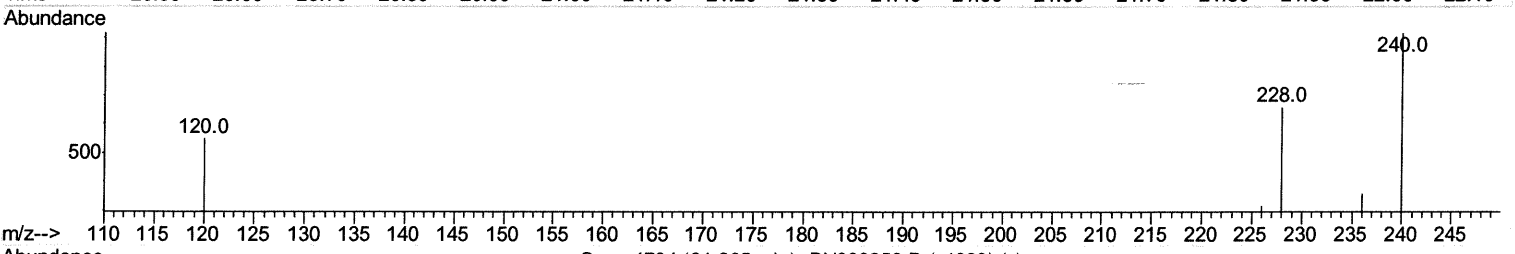
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 02:52:19 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 : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

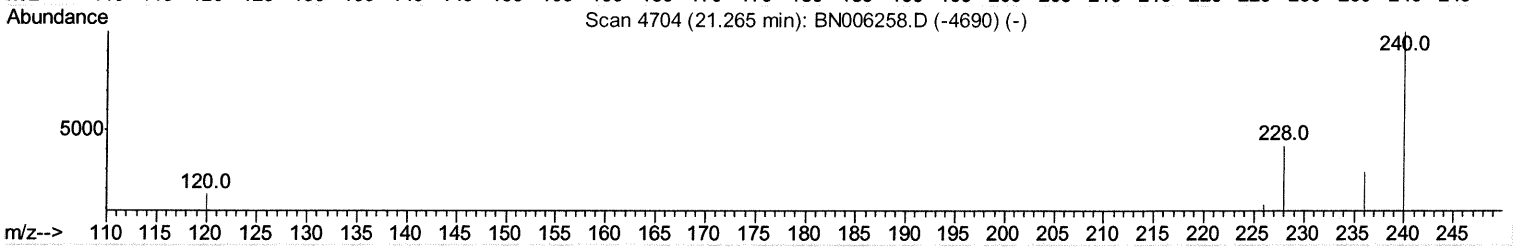
Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM





Scan 4704 (21.265 min): BN006258.D (-4690) (-)



TIC: BN006291.D

(16) Chrysene-d12 (I)

21.289min (-21.289) 0.00ng/ul

response 0

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

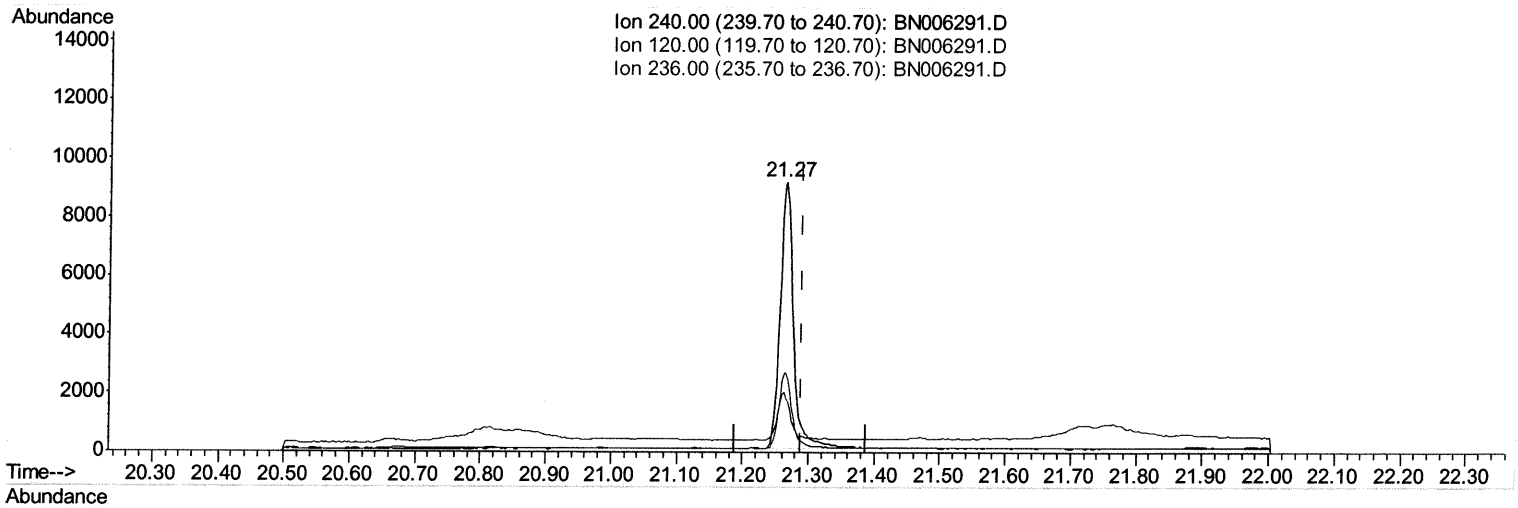
Quantitation Report (Qedit)

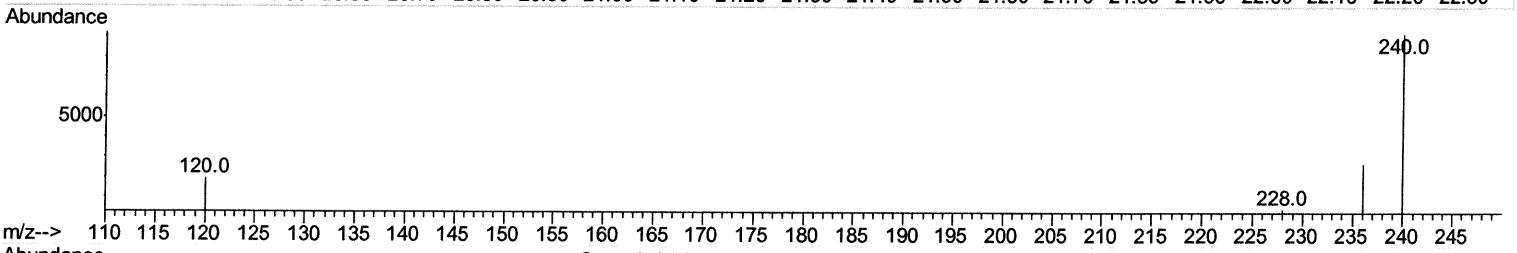
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 02:52:19 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 : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

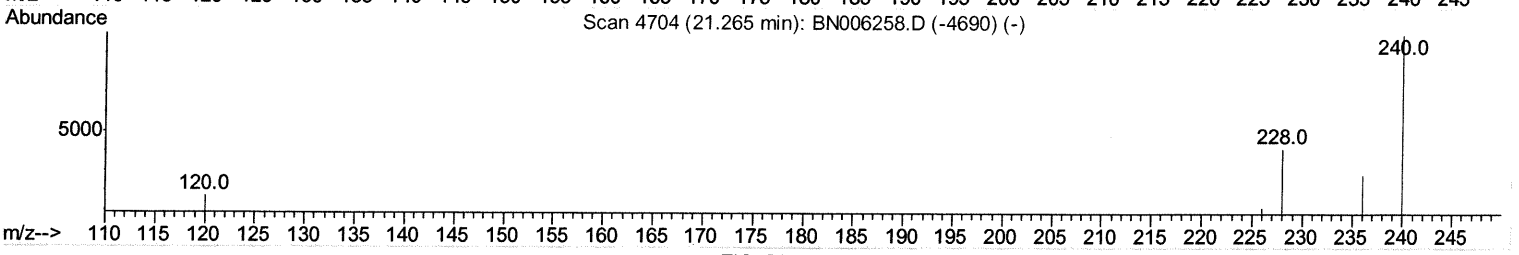
Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM





Scan 4704 (21.265 min): BN006258.D (-4690) (-)



TIC: BN006291.D

(16) Chrysene-d12 (I)

21.265min (-0.024) 0.40ng/ul m JU 06/13/19

response 12851

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	20.62
236.00	30.10	29.35
0.00	0.00	0.00

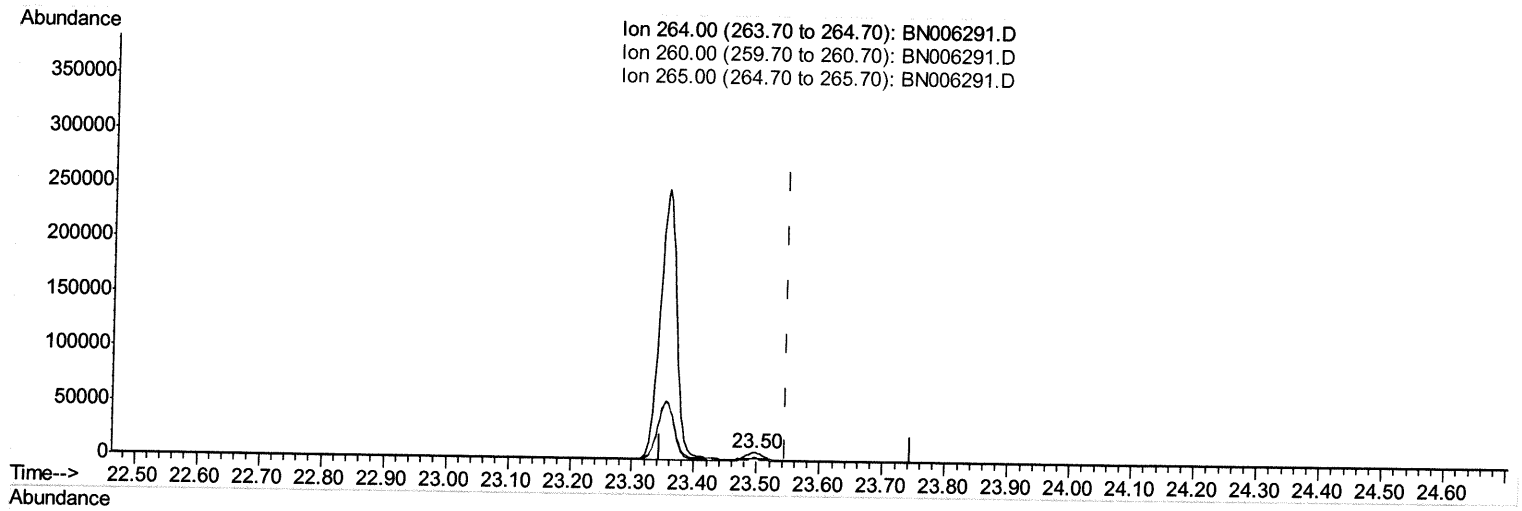
Quantitation Report (Qedit)

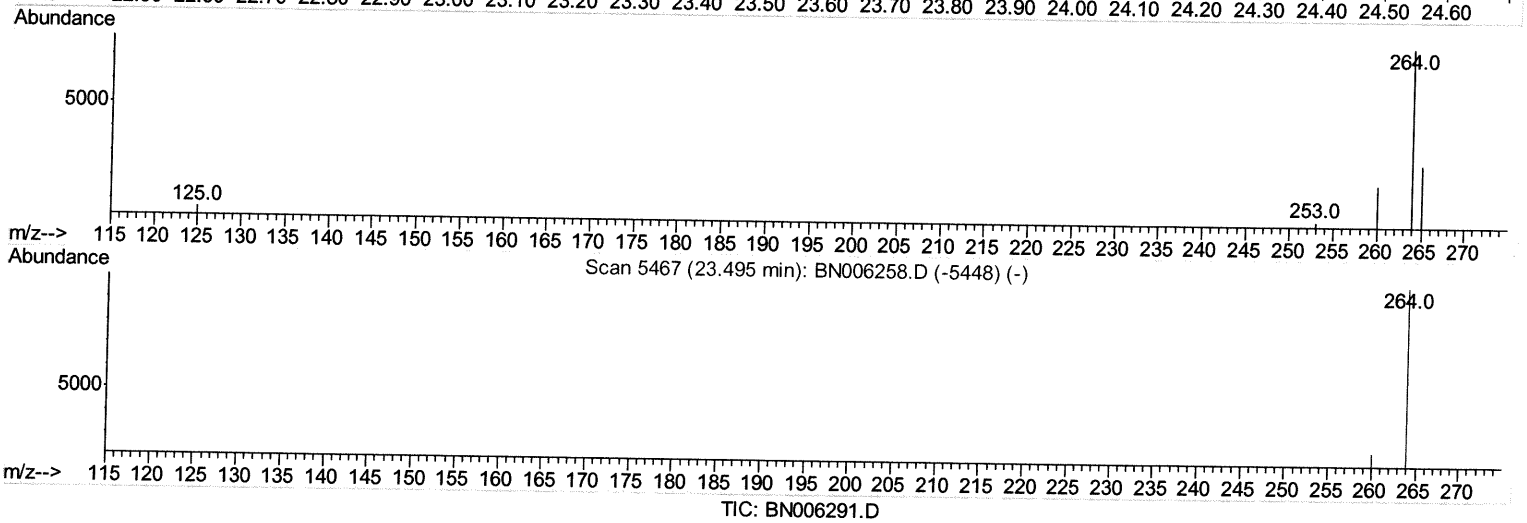
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 02:55:11 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 : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM





(20) Perylene-d12 (I)

23.495min (-0.050) 0.40ng/ul

response 17349

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.85
265.00	44.70	37.89
0.00	0.00	0.00

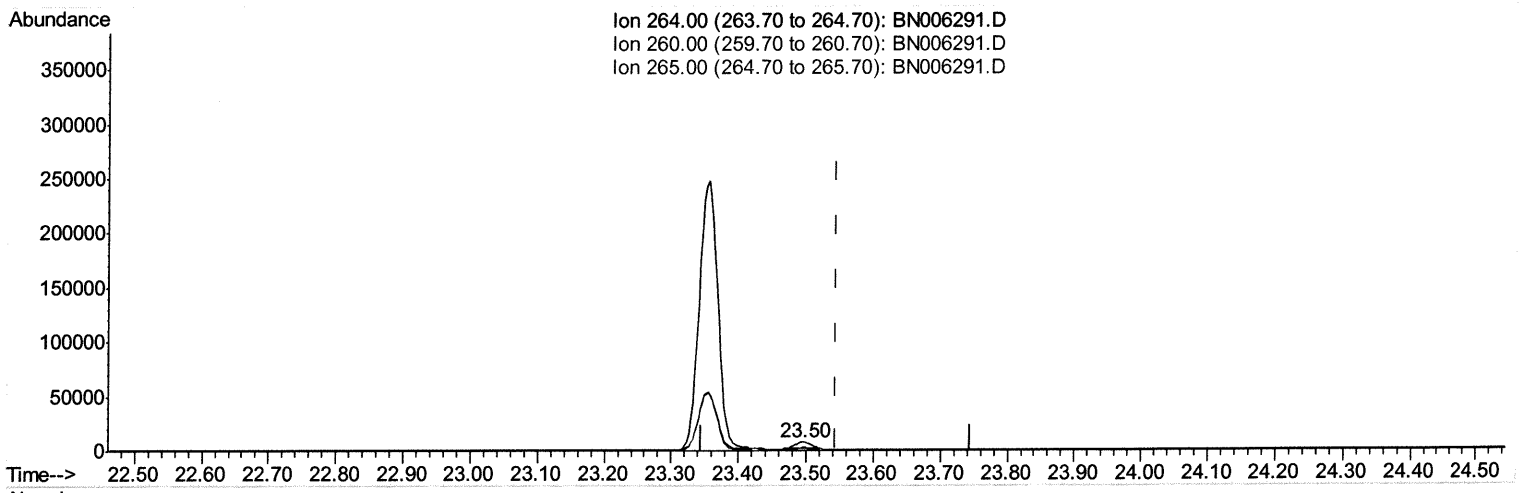
Quantitation Report (Qedit)

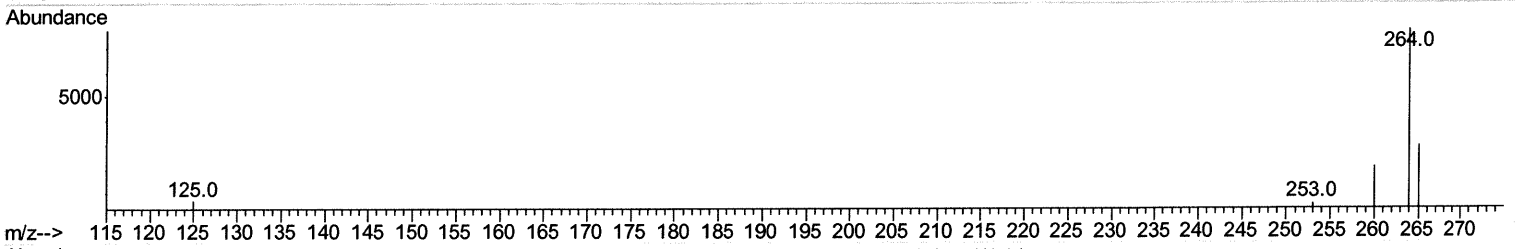
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

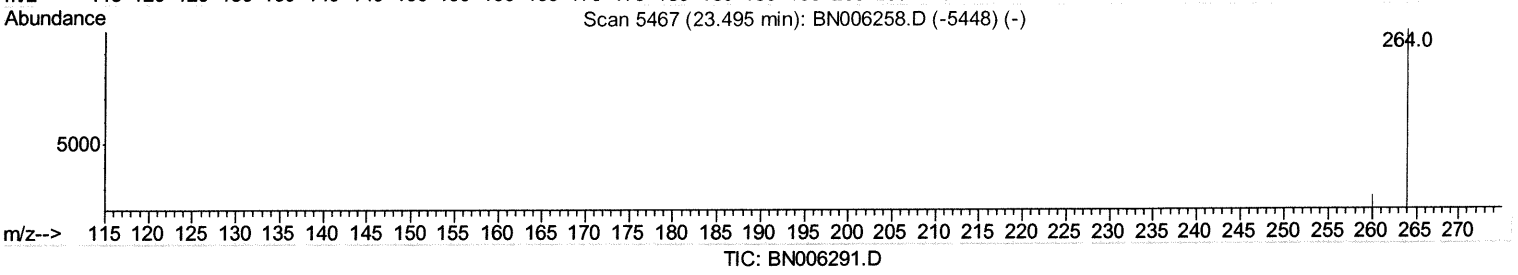
Quant Time: Jun 13 02:55:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM







(20) Perylene-d12 (I)

23.495min (-0.050) 0.40ng/ul m JU 06/13/19

response 12245

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.85
265.00	44.70	37.89
0.00	0.00	0.00

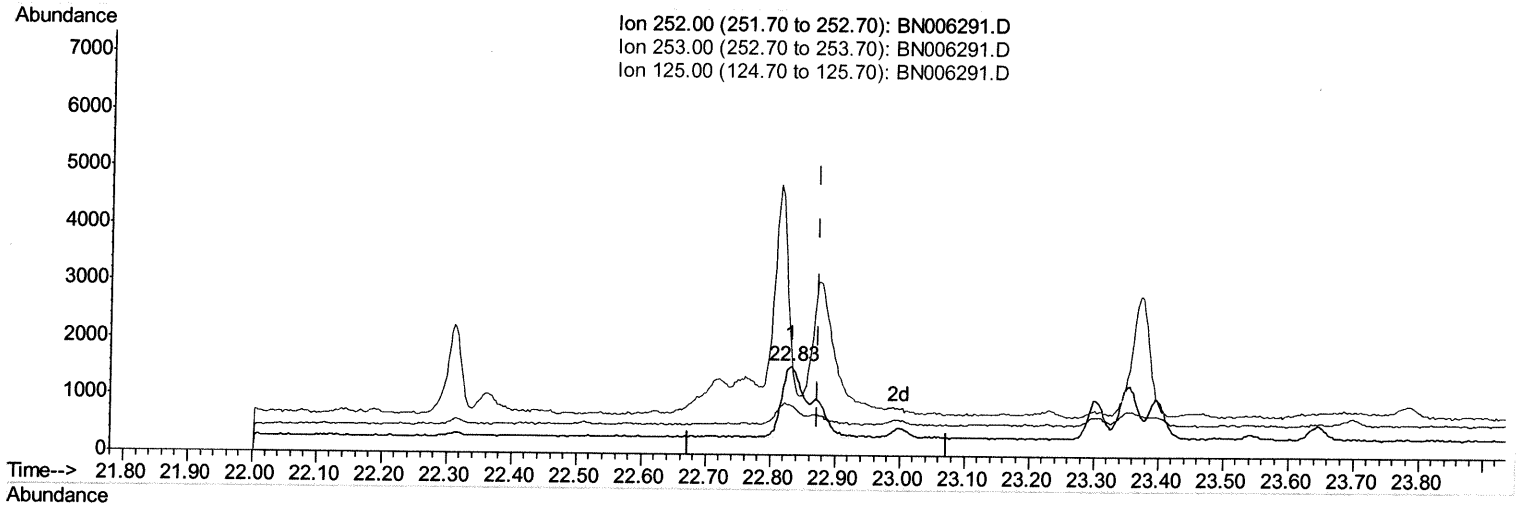
Quantitation Report (Qedit)

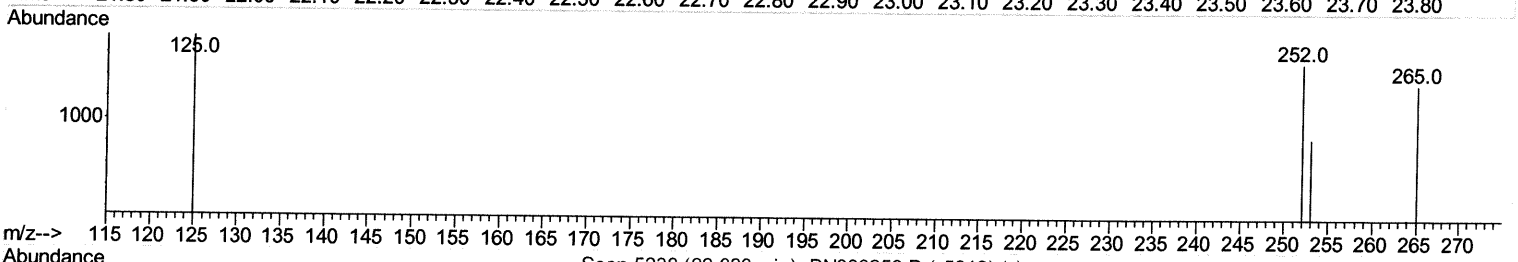
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 02:55:59 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 : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

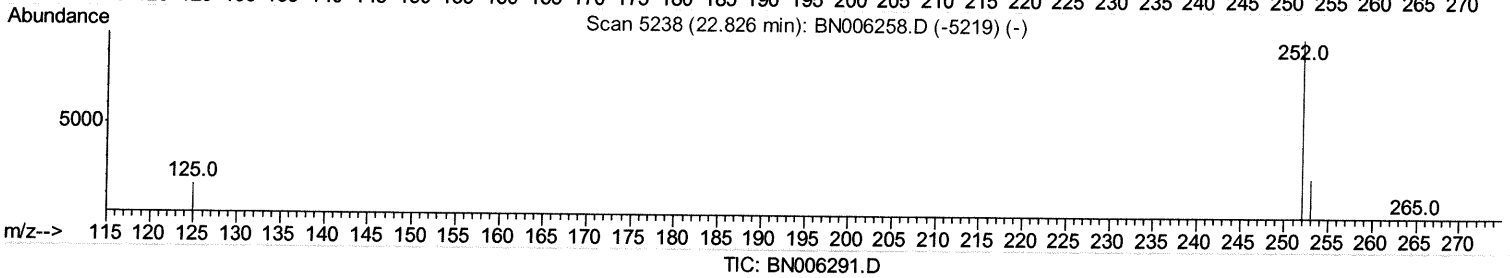
Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM





Scan 5238 (22.826 min): BN006258.D (-5219) (-)



TIC: BN006291.D

(21) Benzo(b)fluoranthene

22.832min (-0.041) 0.08ng/ul

response 3987

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	55.84#
125.00	20.50	113.43#
0.00	0.00	0.00

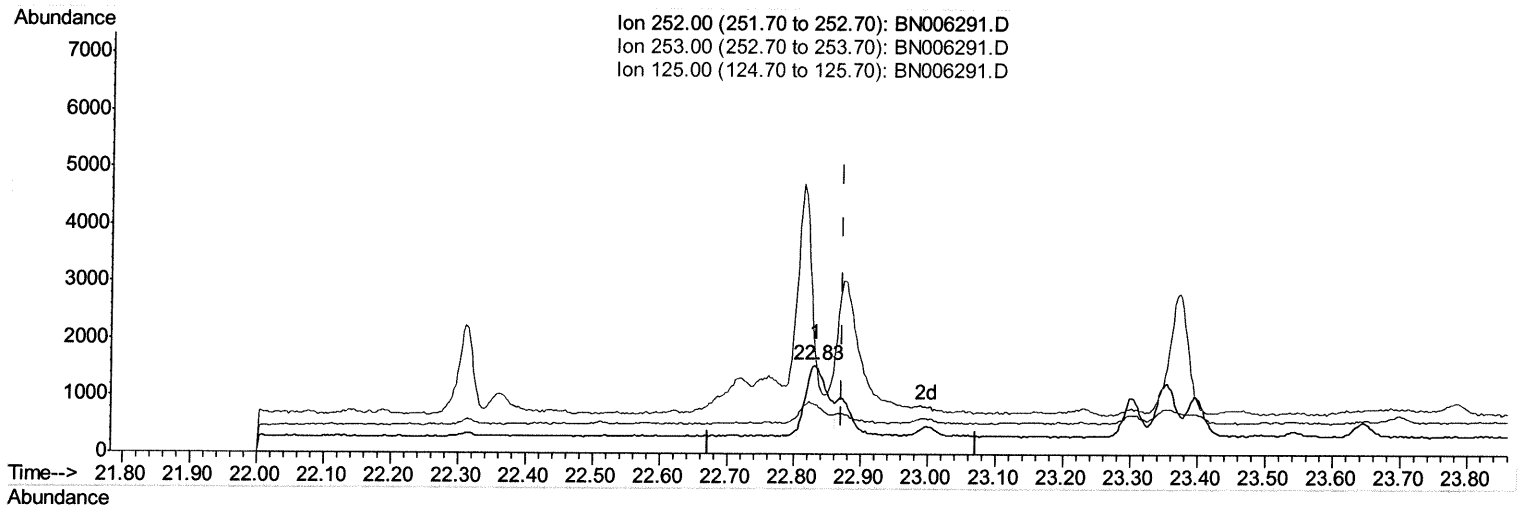
Quantitation Report (Qedit)

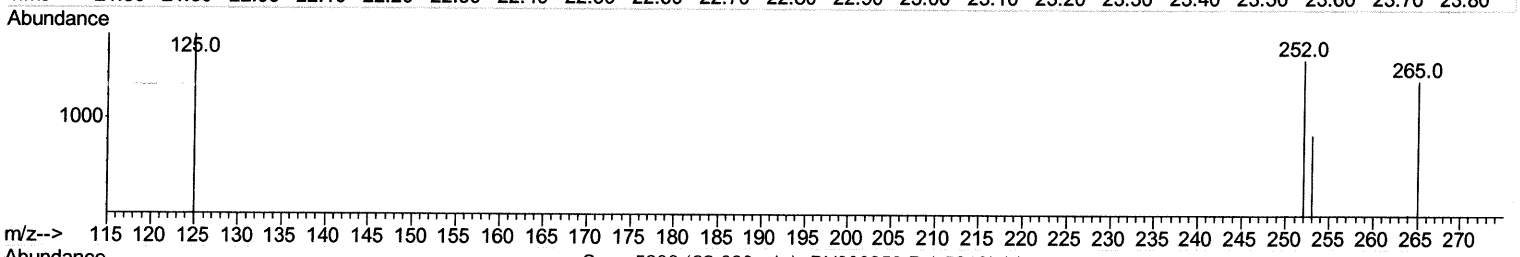
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

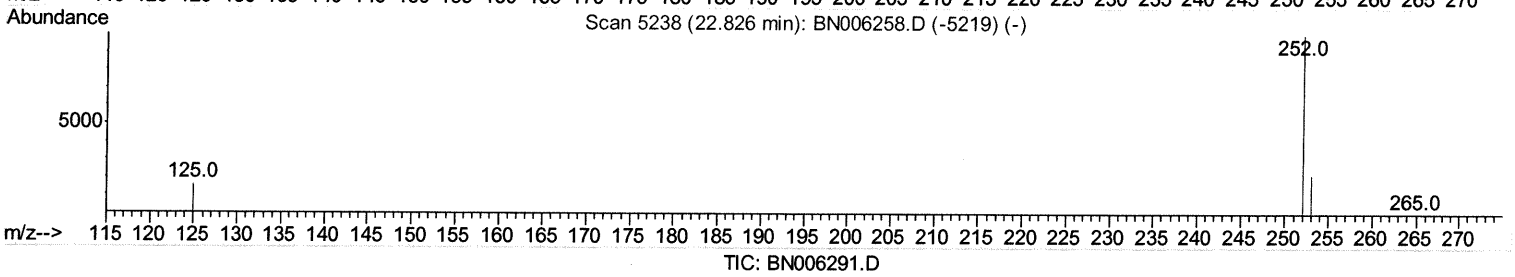
Quant Time: Jun 13 02:55:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM







(21) Benzo(b)fluoranthene

22.832min (-0.041) 0.06ng/ul m JU 06/13/19

response 2888

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	55.84#
125.00	20.50	113.43#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061219\
Data File : BN006291.D
Acq On : 12 Jun 2019 21:21
Operator : JU/SJ
Sample : K3231-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 13 02:57:13 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 : Wed Jun 12 17:24:11 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : DB8L9

Manual Integrations APPROVED
mohammad
6/14/2019 8:34:14 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	5420	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	21446	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	11434	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	21259m	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	12851m	0.40	ng/ul	-0.02
20) Perylene-d12	23.50	264	12245m	0.40	ng/ul	-0.05
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	4352	0.13	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	8161m	0.14	ng/ul	0.00
Target Compounds						Qvalue
15) Fluoranthene	19.12	202	3663m	0.049	ng/ul	
17) Pyrene	19.49	202	2988	0.044	ng/ul#	79
18) Benzo(a)anthracene	21.25	228	1258	0.022	ng/ul#	75
19) Chrysene	21.30	228	1981	0.037	ng/ul#	78
21) Benzo(b)fluoranthene	22.83	252	2888m	0.057	ng/ul	
26) Benzo(g,h,i)perylene	26.42	276	1134	0.026	ng/ul#	31

JU 06/13/19

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