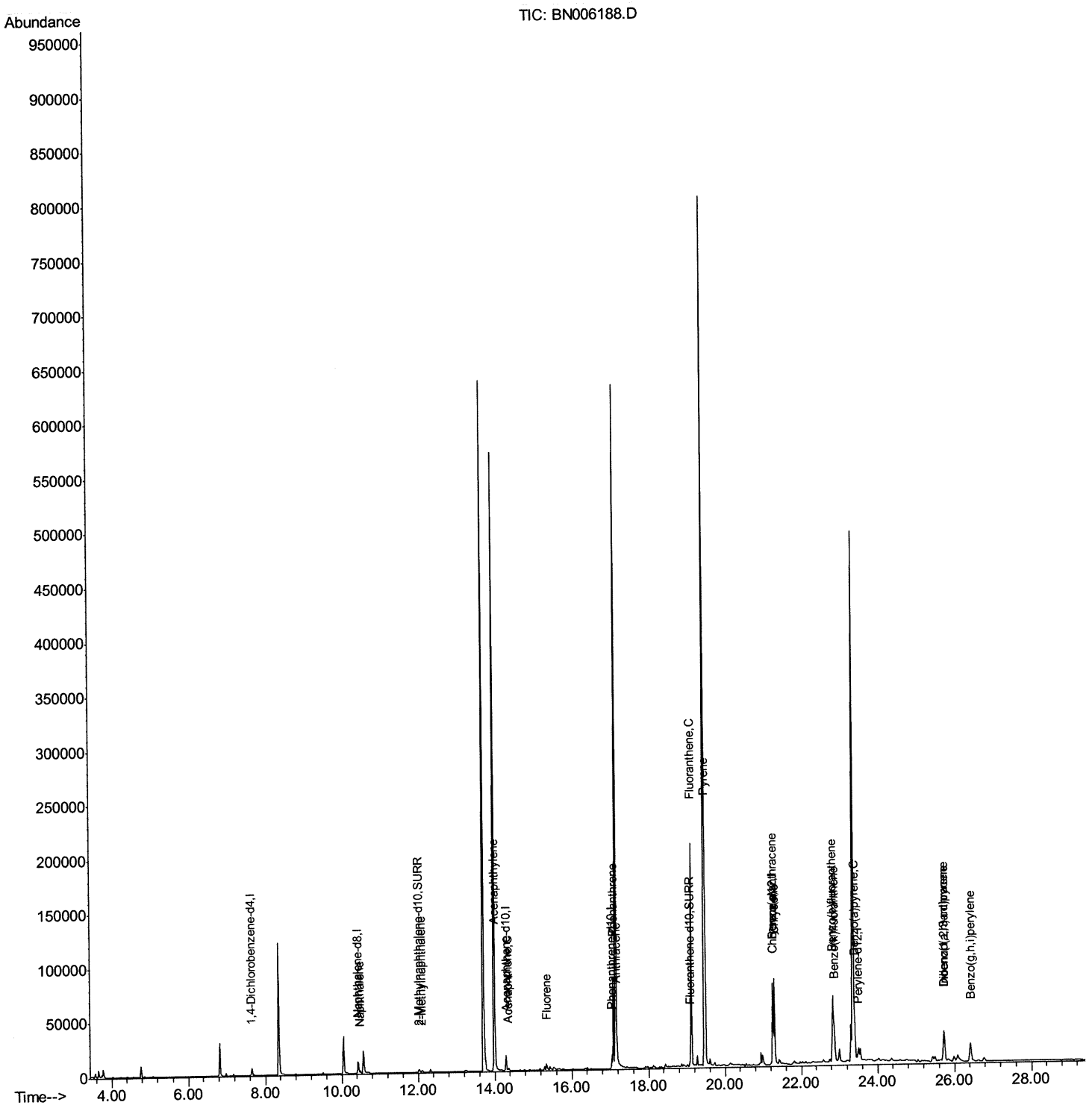
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:20:21 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



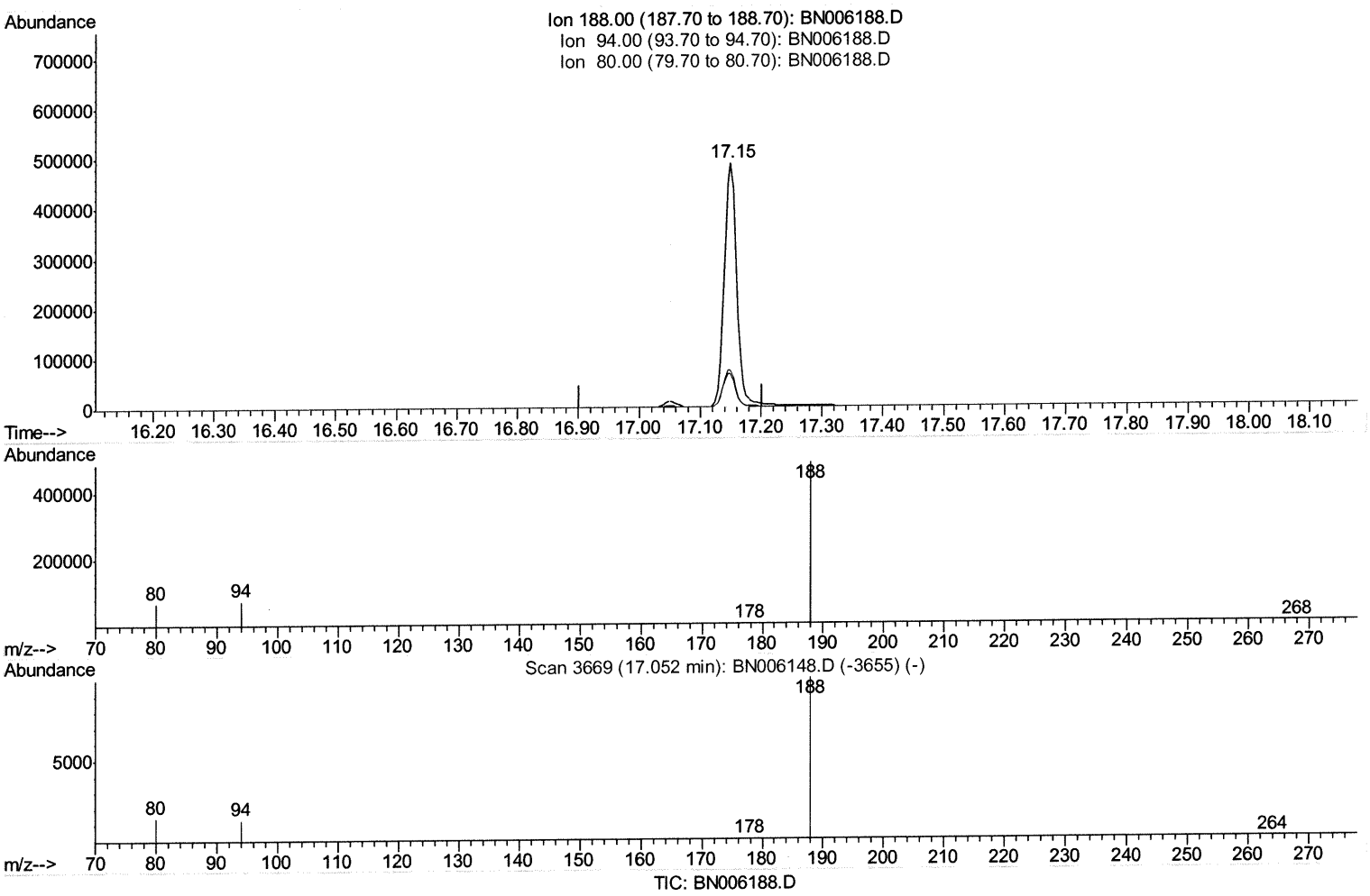
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 13:56:27 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



TIC: BN006188.D

(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 678547

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.16
80.00	13.60	13.81
0.00	0.00	0.00

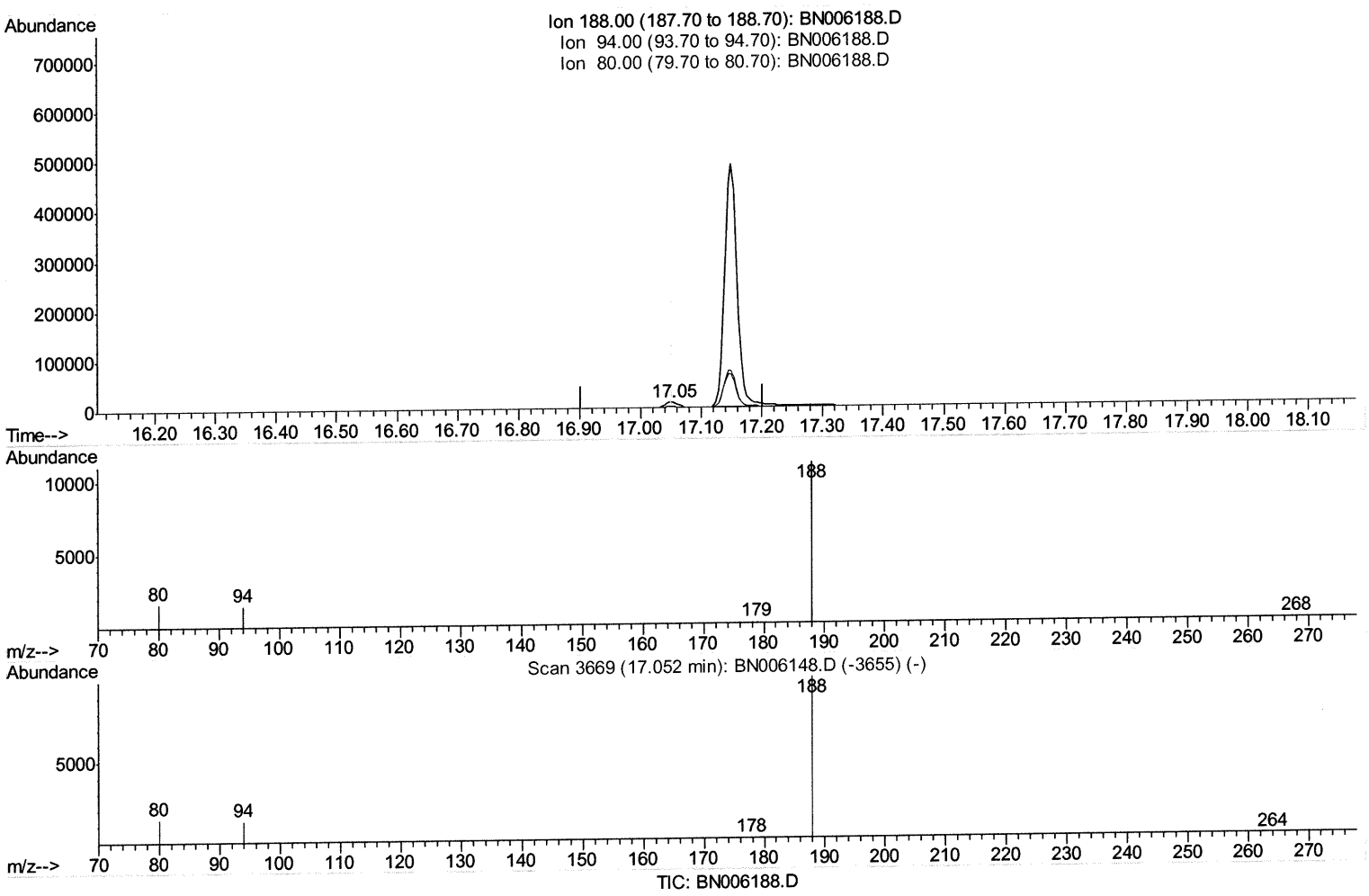
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 13:56:27 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



(10) Phenanthrene-d10 (I)

17.052min (-0.000) 0.40ng/ul m JU 06/10/19

response 16390

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	13.57
80.00	13.60	14.96
0.00	0.00	0.00

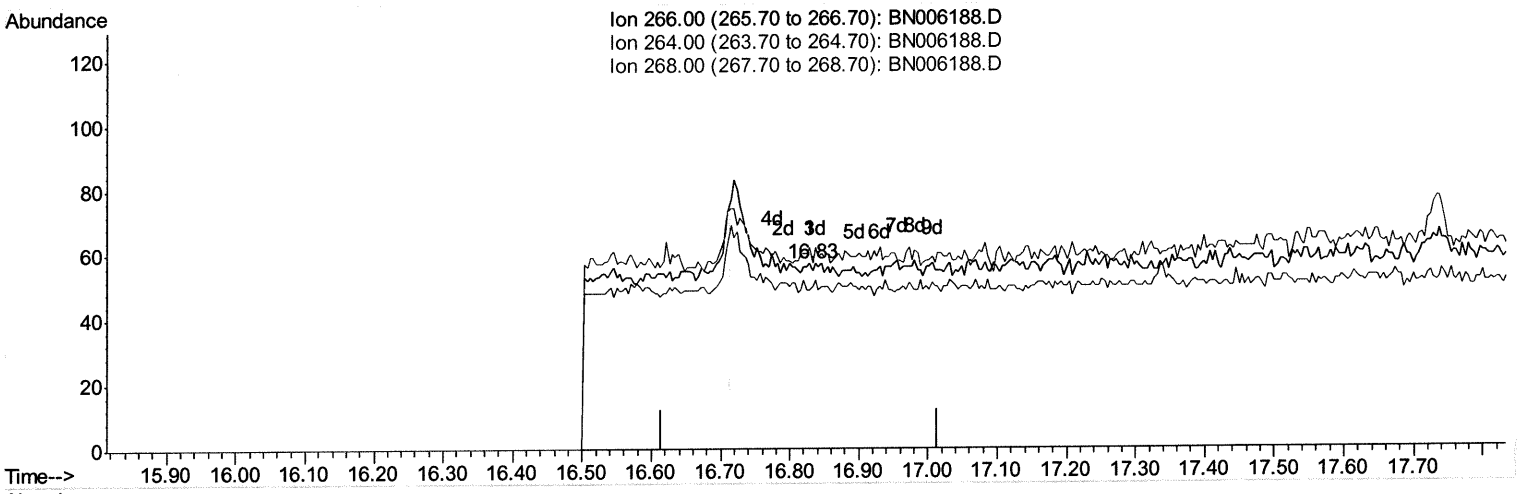
Quantitation Report (Qedit)

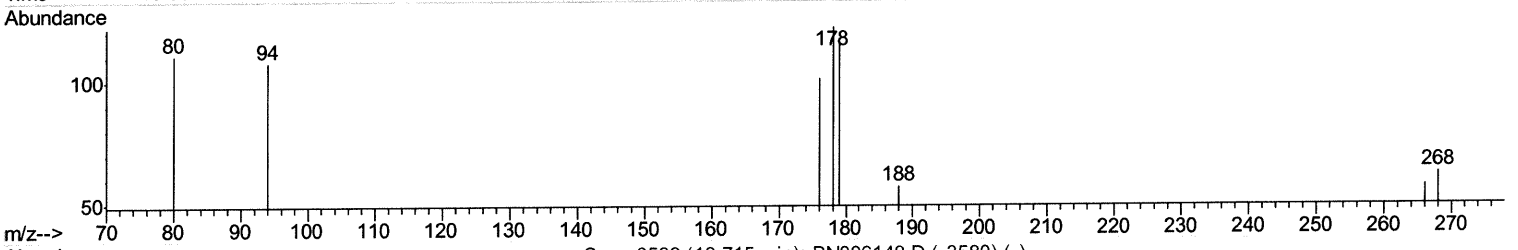
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

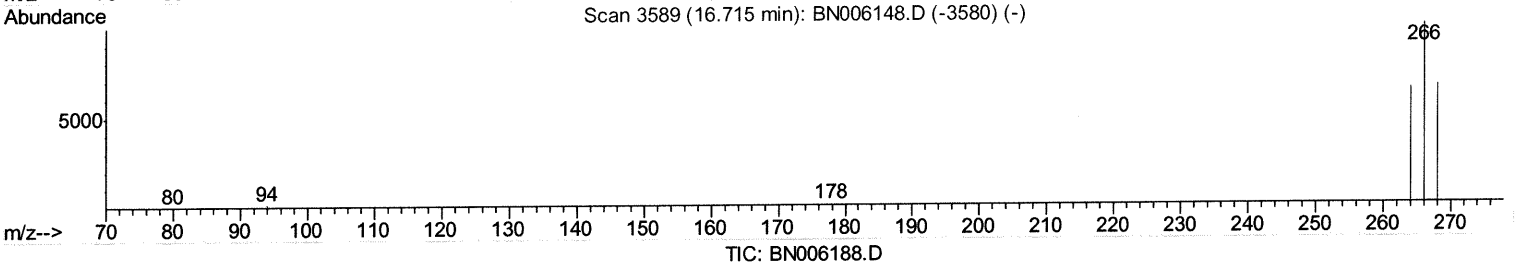
Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM





Scan 3589 (16.715 min): BN006148.D (-3580) (-)



TIC: BN006188.D

(11) Pentachlorophenol

16.828min (+0.114) 0.00ng/ul

response 2

Ion	Exp%	Act%
266.00	100	100
264.00	62.90	100.00#
268.00	64.10	200.00#
0.00	0.00	0.00

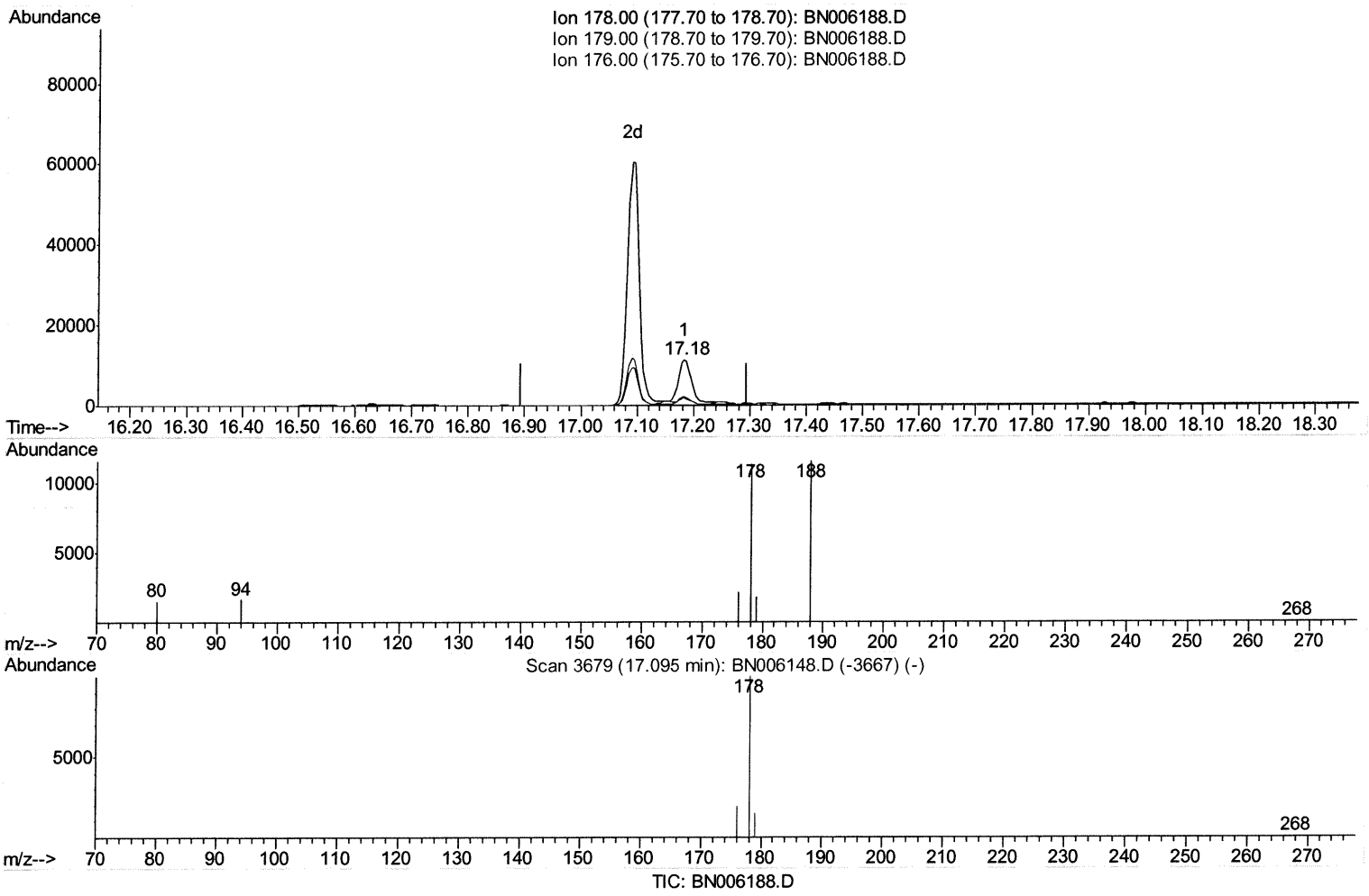
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



TIC: BN006188.D

(12) Phenanthrene

17.183min (+0.089) 0.39ng/ul

response 20776

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	16.52
176.00	19.10	18.98
0.00	0.00	0.00

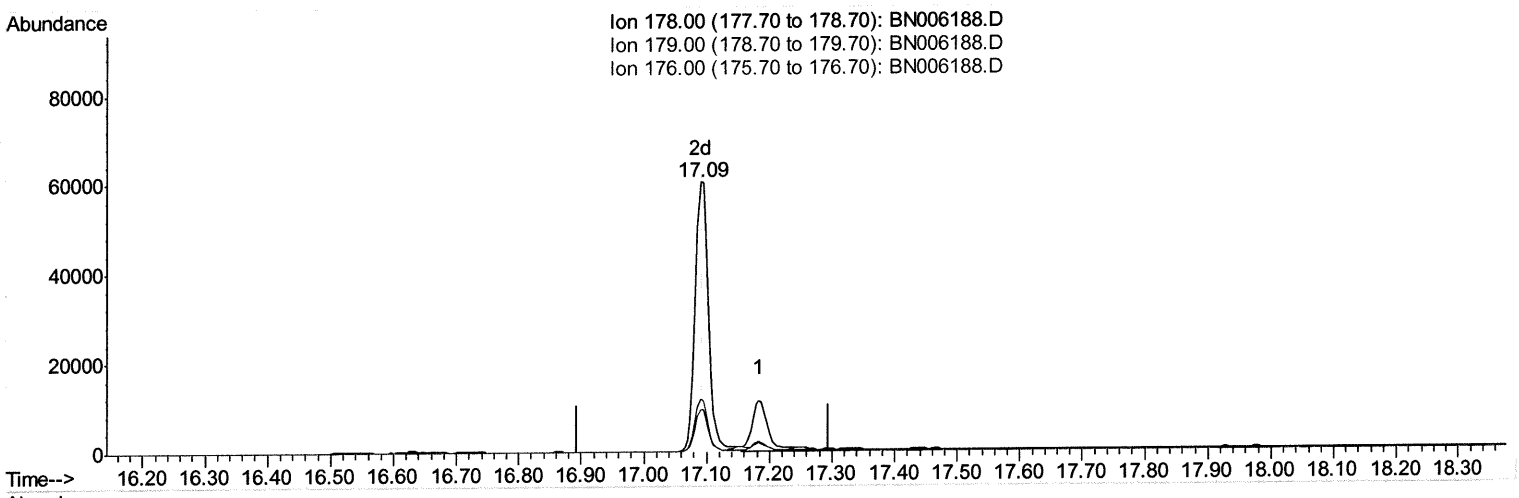
Quantitation Report (Qedit)

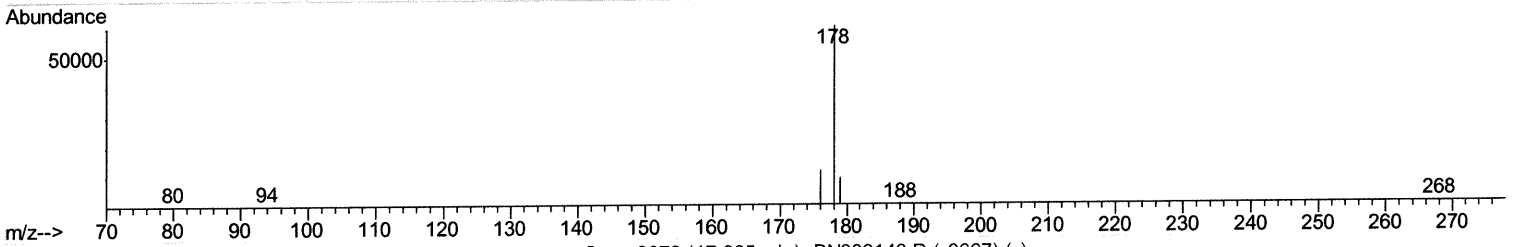
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

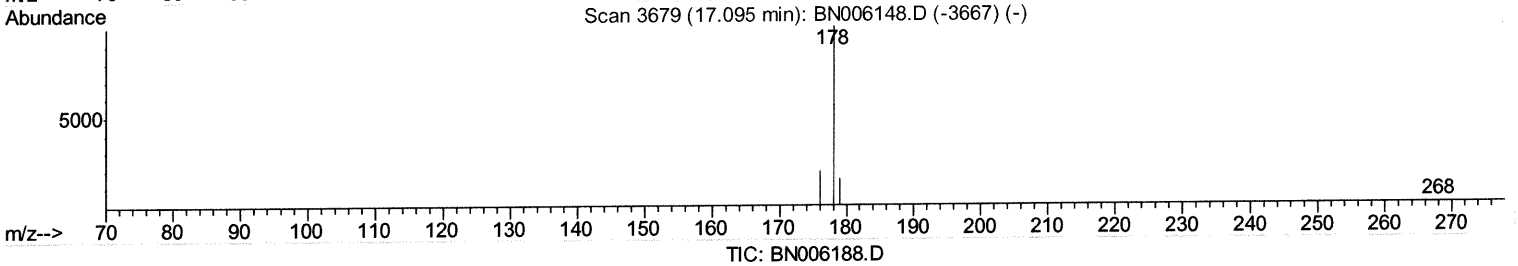
Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM





Scan 3679 (17.095 min): BN006148.D (-3667) (-)



TIC: BN006188.D

(12) Phenanthrene

17.090min (-0.004) 1.71ng/ul m JU 06/10/19

response 89905

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.29
176.00	19.10	19.48
0.00	0.00	0.00

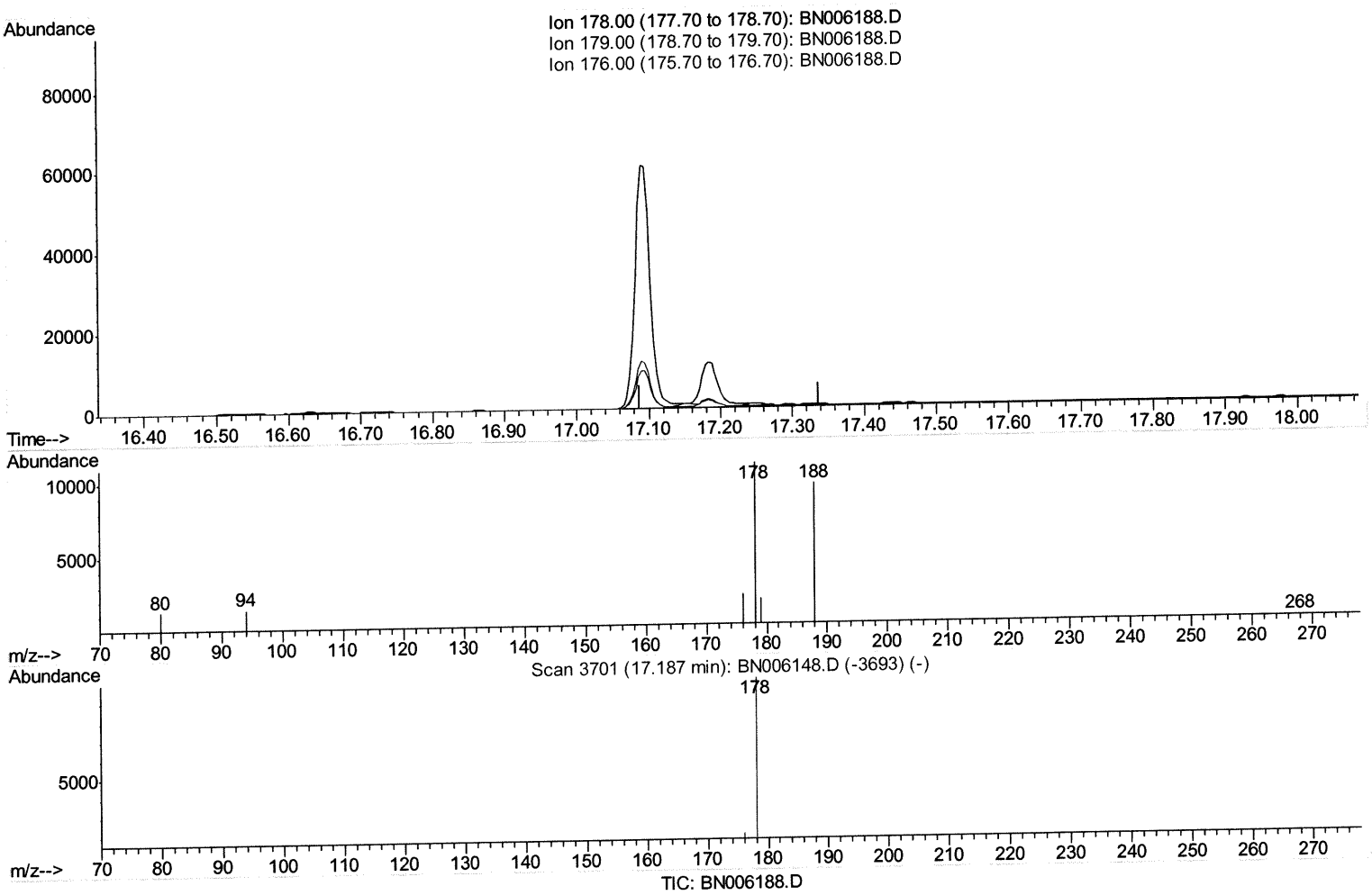
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



(13) Anthracene

17.187min (-17.187) 0.00ng/ul

response 0

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

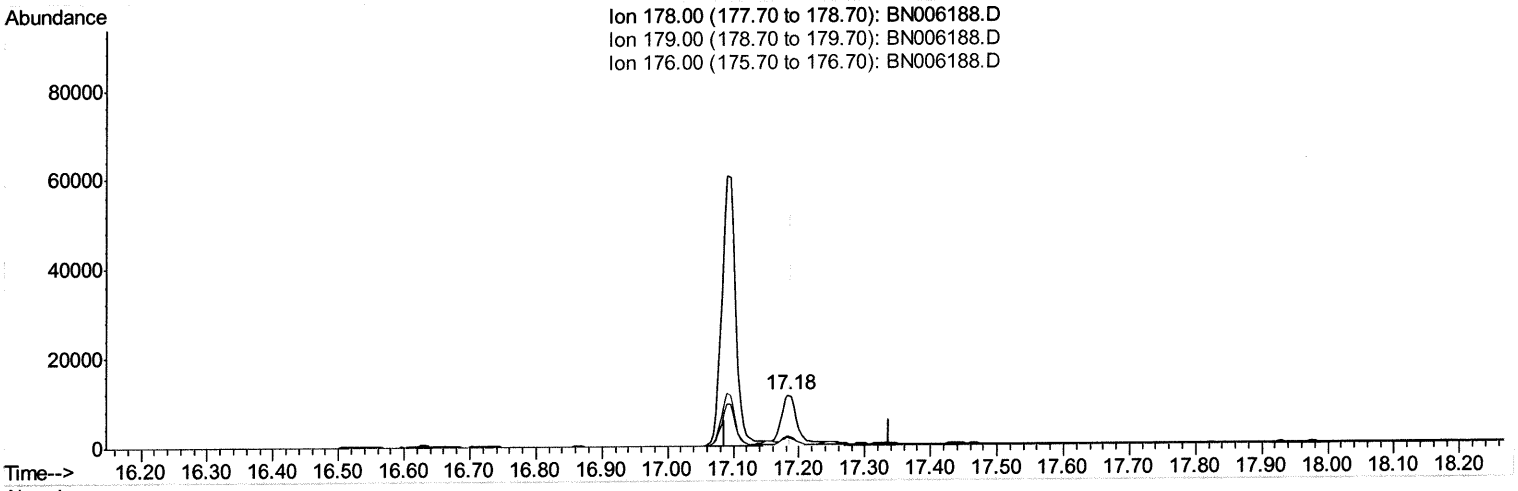
Quantitation Report (Qedit)

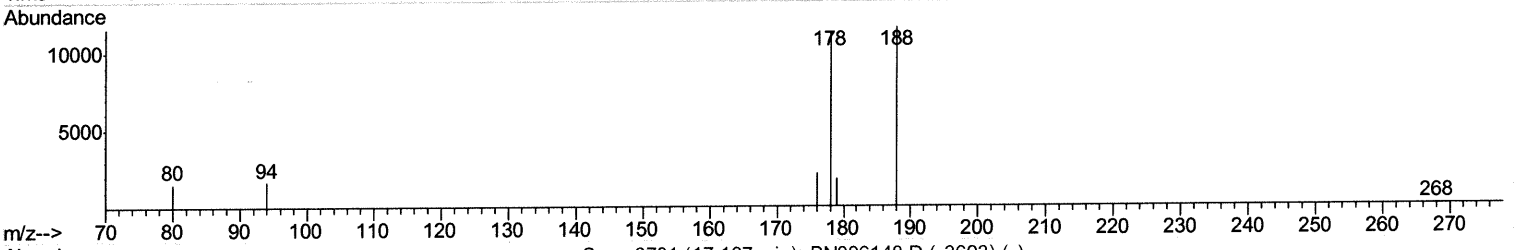
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

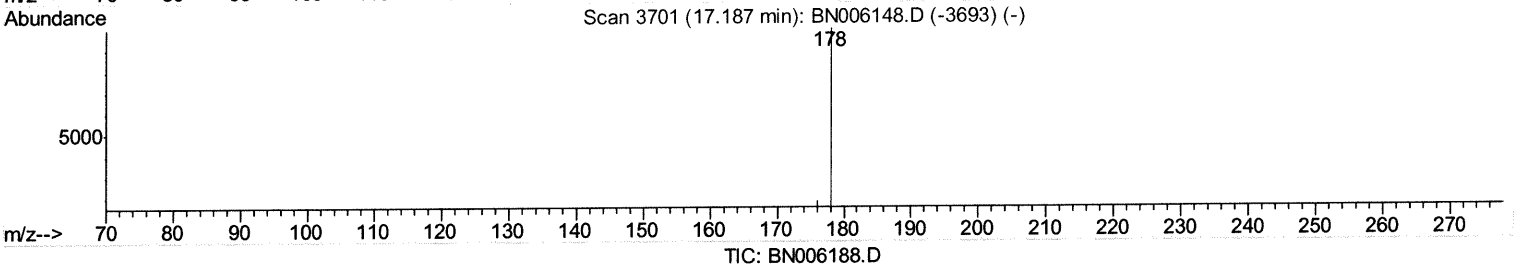
Quant Time: Jun 08 14:15:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM







(13) Anthracene

17.183min (-0.004) 0.43ng/ul m JU 06/10/19

response 21604

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	16.52
176.00	18.90	18.98
0.00	0.00	0.00

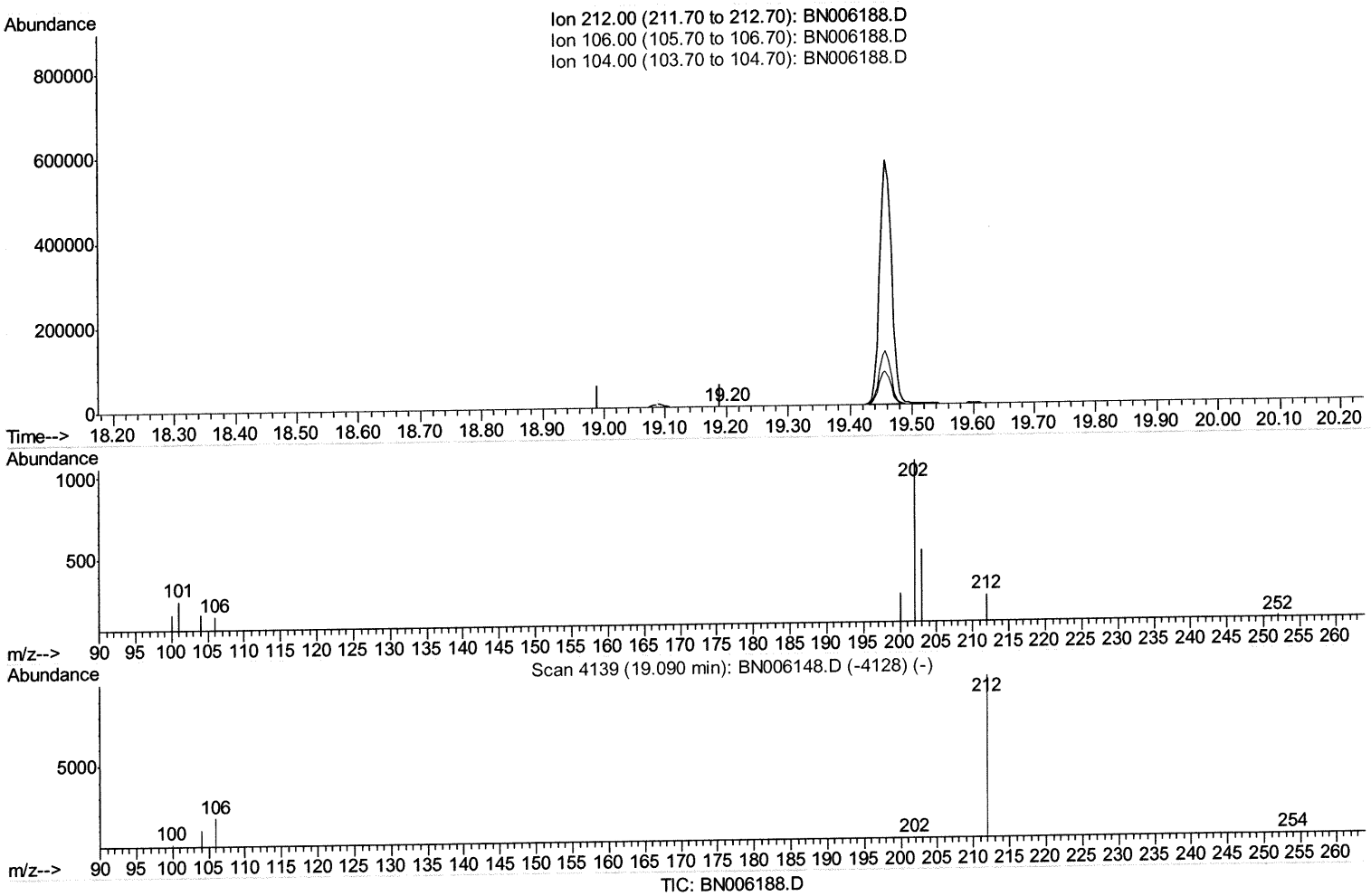
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



(14) Fluoranthene-d10 (SURR)

19.197min (+0.107) 0.01ng/ul

response 222

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	7.66#
0.00	0.00	0.00

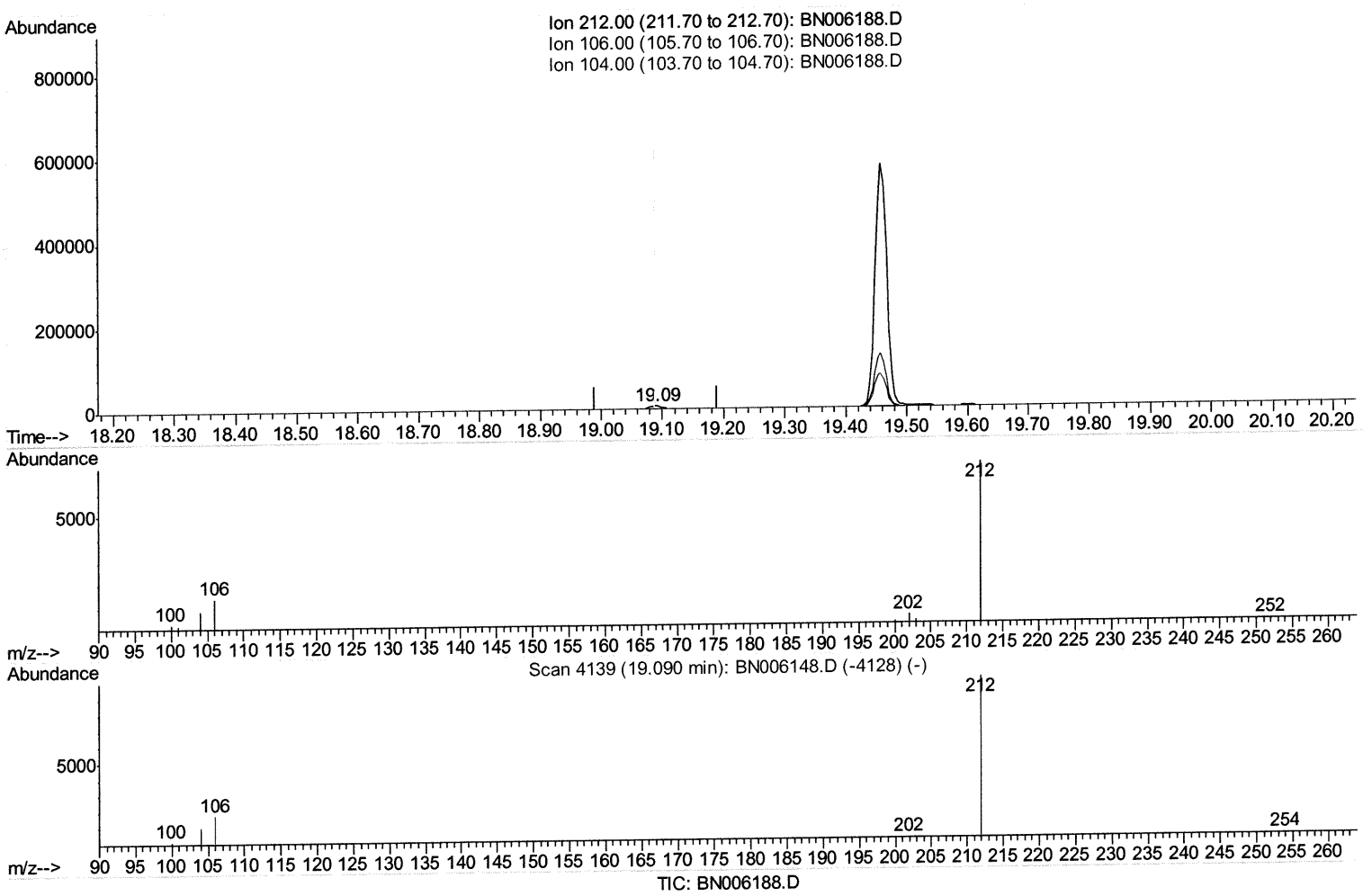
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



(14) Fluoranthene-d10 (SURR)

19.090min (-0.000) 0.22ng/ul m JU 06/10/19

response 9854

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.17#
0.00	0.00	0.00

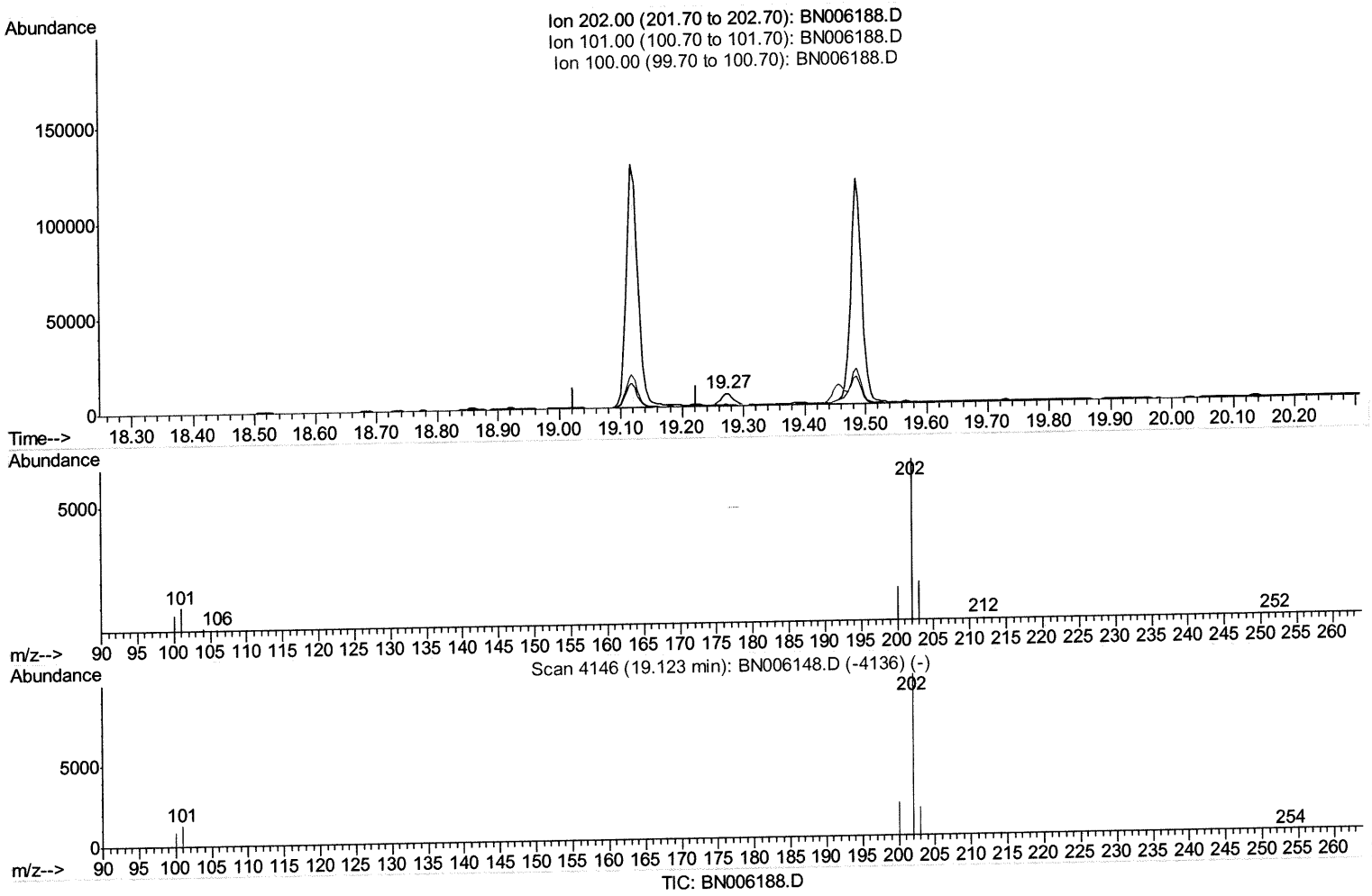
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



(15) Fluoranthene (C)

19.271min (+0.149) 0.14ng/ul

response 7858

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	15.44
100.00	8.70	10.85
0.00	0.00	0.00

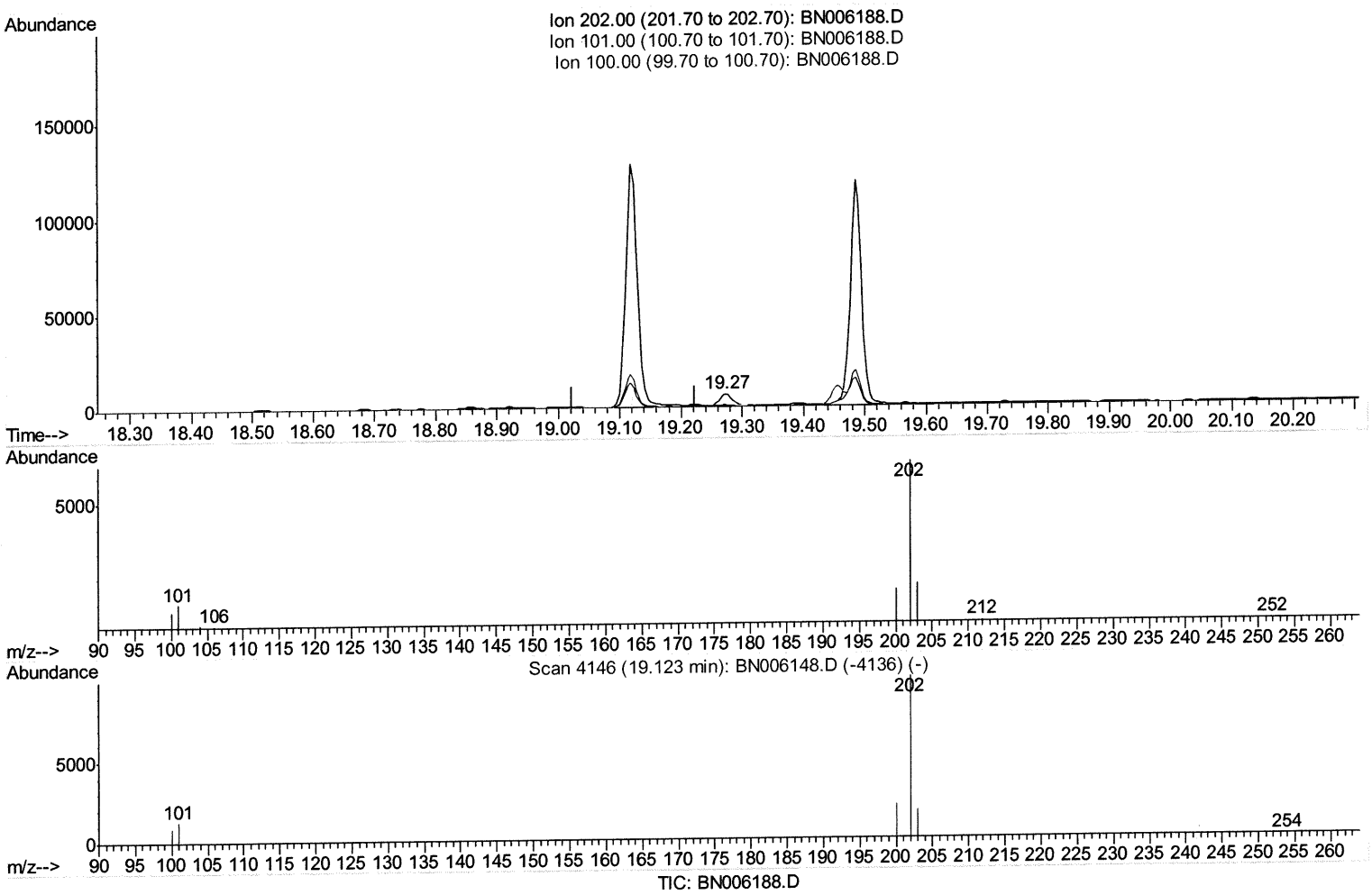
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



(15) Fluoranthene (C)

19.271min (+0.149) 0.14ng/ul

response 7858

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	15.44
100.00	8.70	10.85
0.00	0.00	0.00

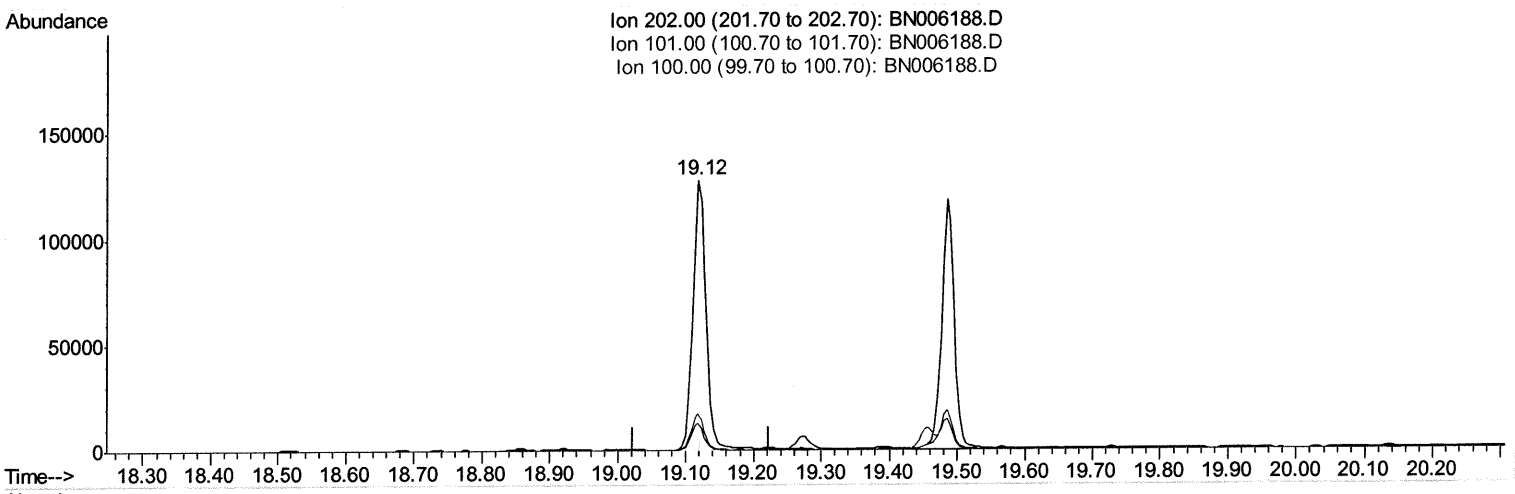
Quantitation Report (Qedit)

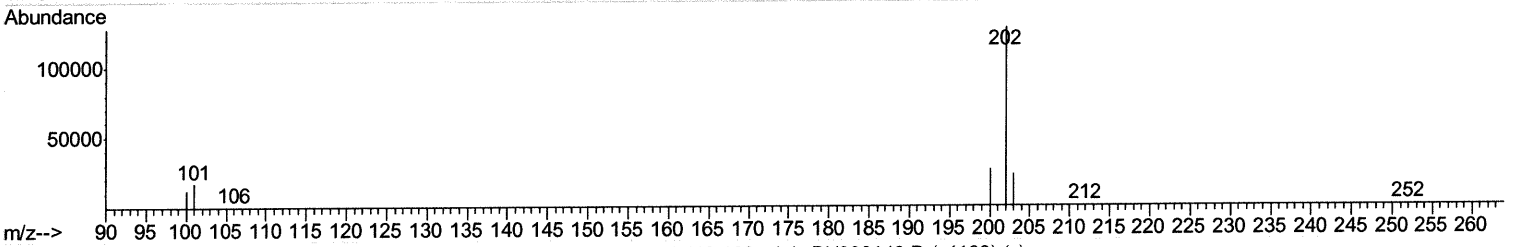
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

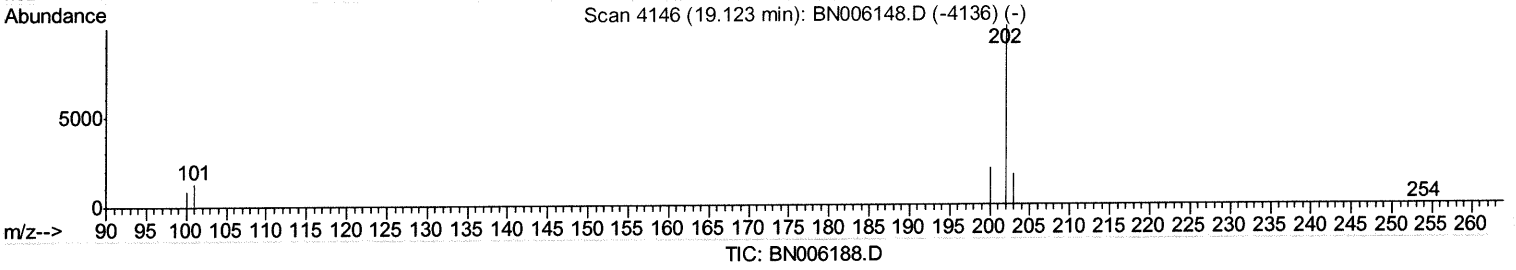
Quant Time: Jun 08 14:15:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM







TIC: BN006188.D

(15) Fluoranthene (C)

19.118min (-0.005) 2.97ng/ul m JU 06/10/19

response 172789

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	13.66
100.00	8.70	9.95
0.00	0.00	0.00

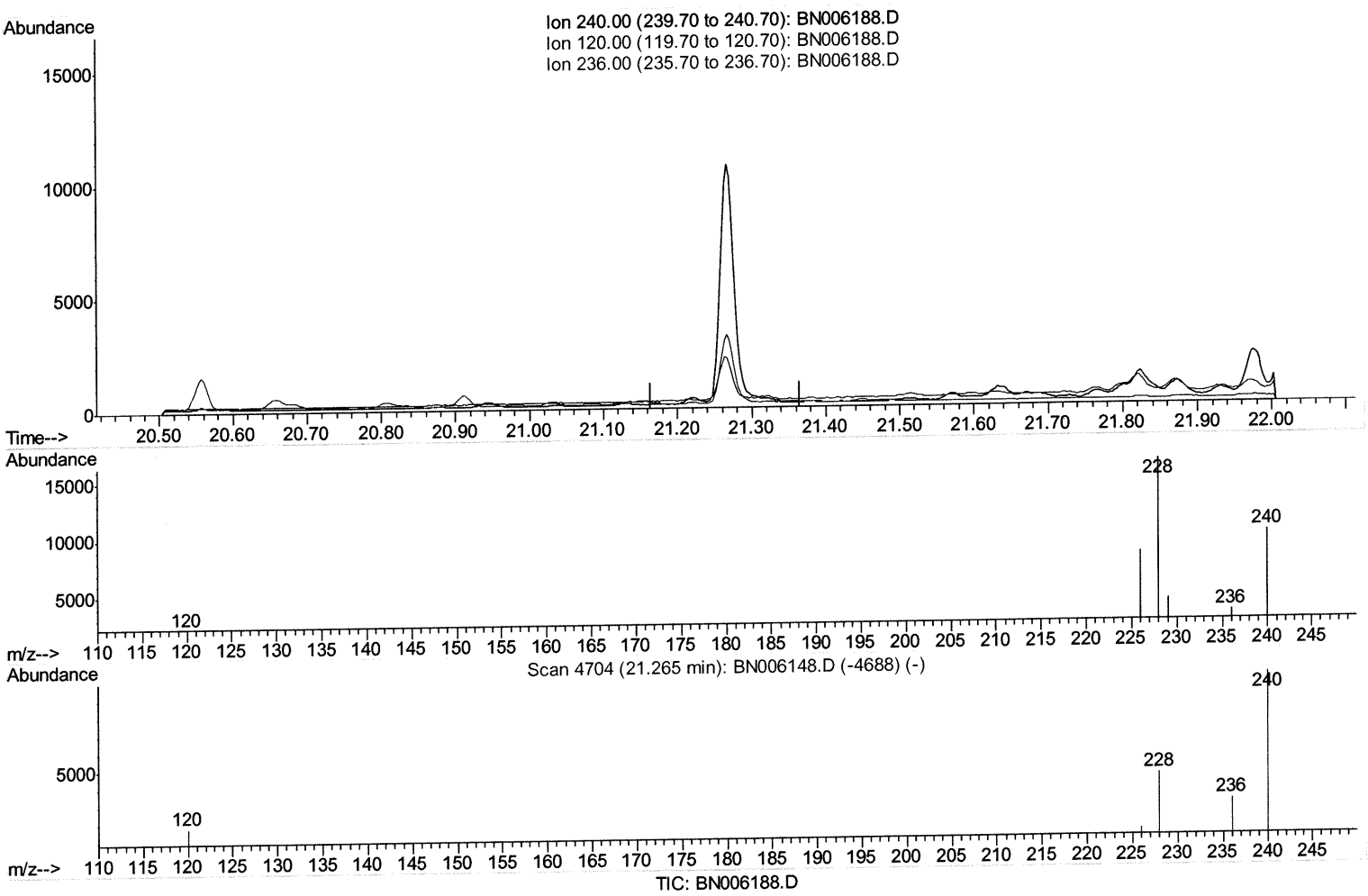
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



TIC: BN006188.D

(16) Chrysene-d12 (I)

21.265min (-21.265) 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

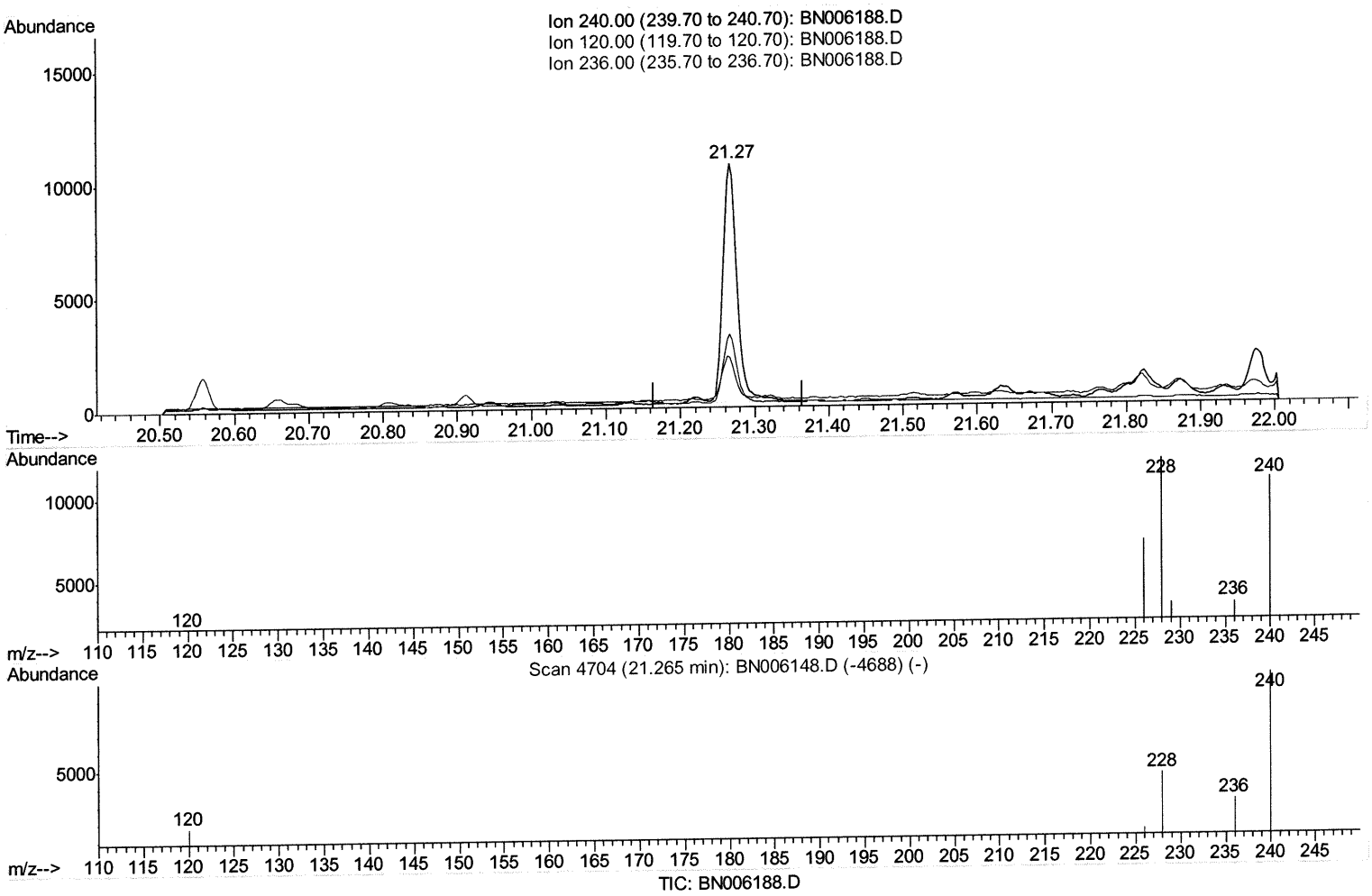
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 08 14:15:38 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM



TIC: BN006188.D

(16) Chrysene-d12 (I)

21.267min (+0.002) 0.40ng/ul m JU 06/10/19

response 13848

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	20.28
236.00	30.10	29.81
0.00	0.00	0.00

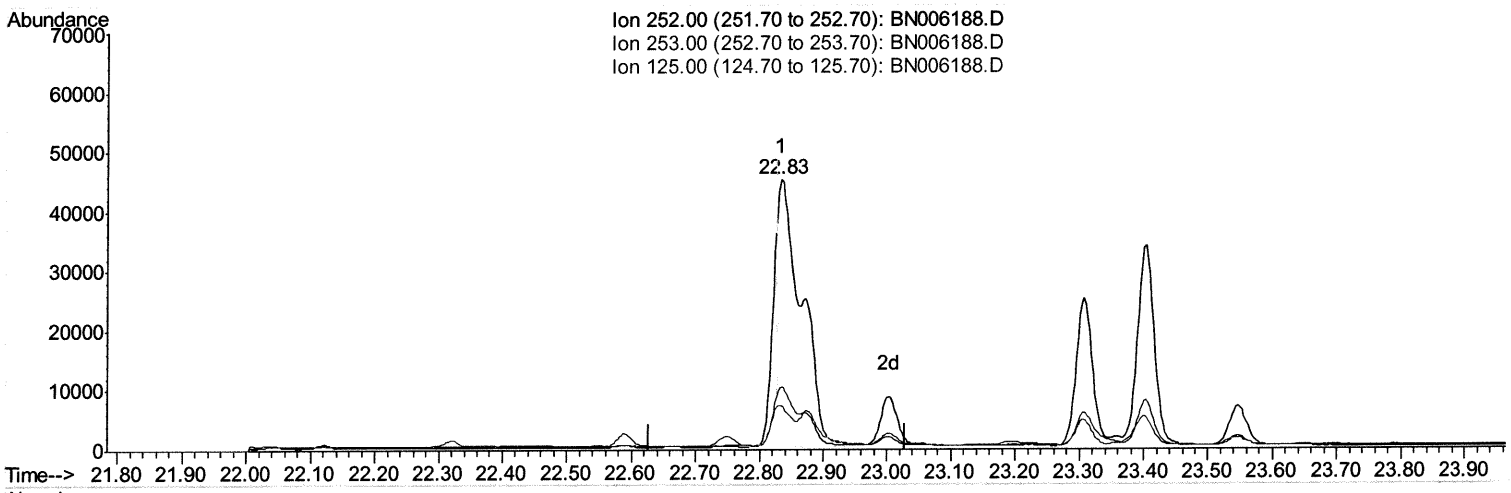
Quantitation Report (Qedit)

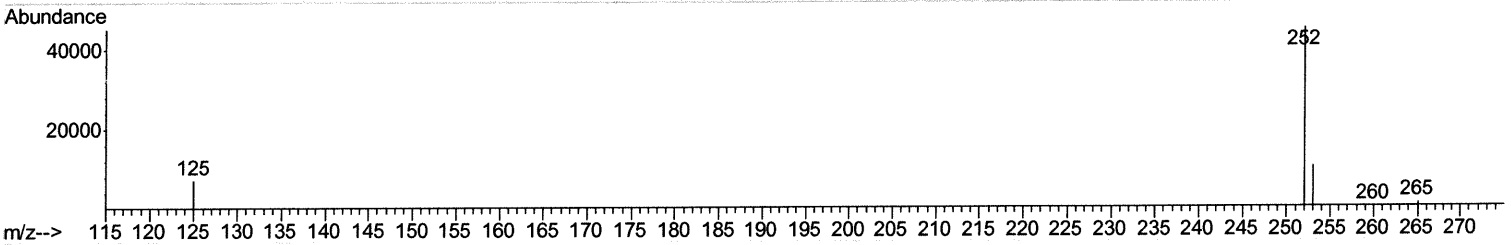
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

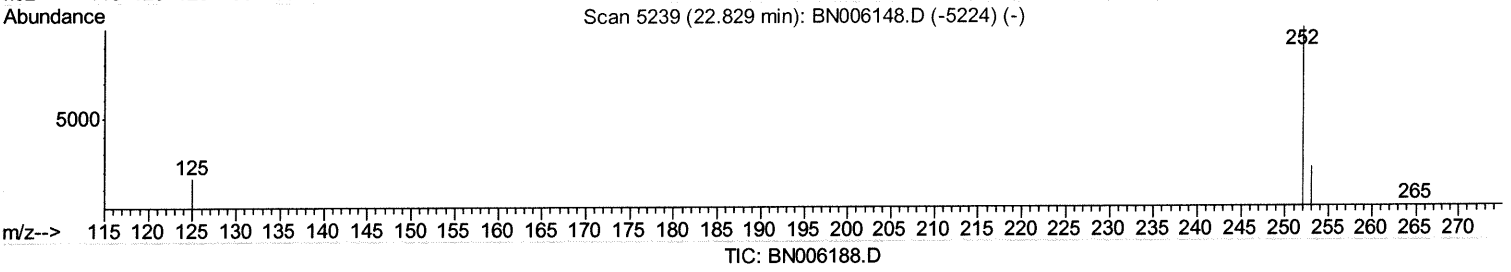
Quant Time: Jun 08 14:19:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM







TIC: BN006188.D

(21) Benzo(b)fluoranthene

22.833min (+0.005) 1.57ng/ul

response 136381

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	23.24
125.00	20.50	16.22
0.00	0.00	0.00

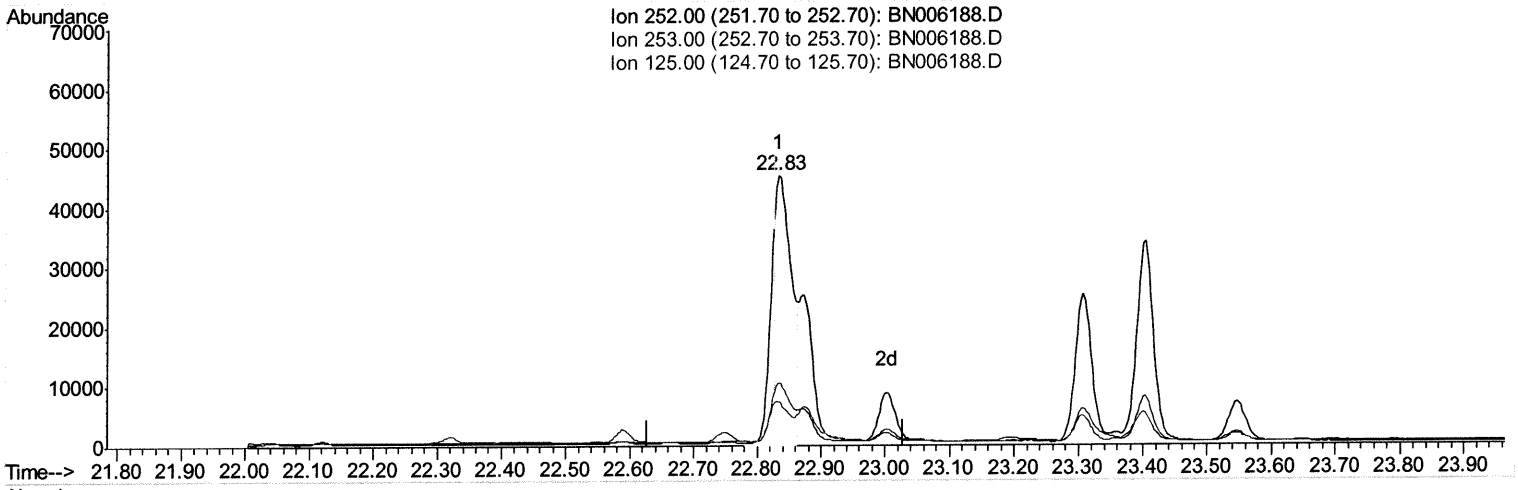
Quantitation Report (Qedit)

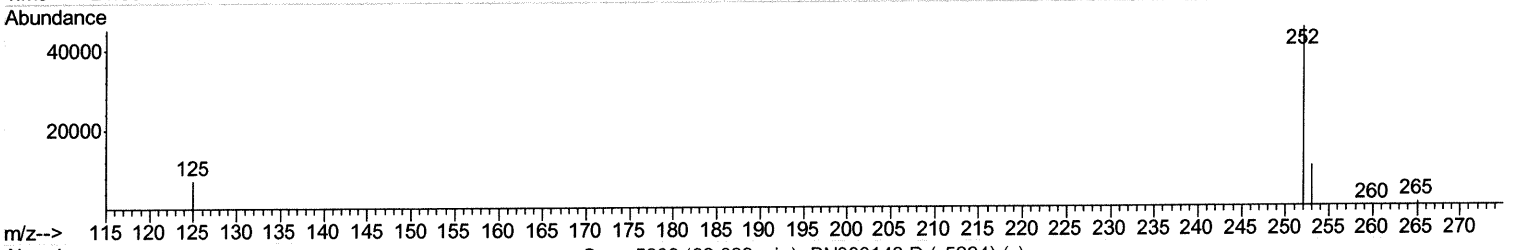
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

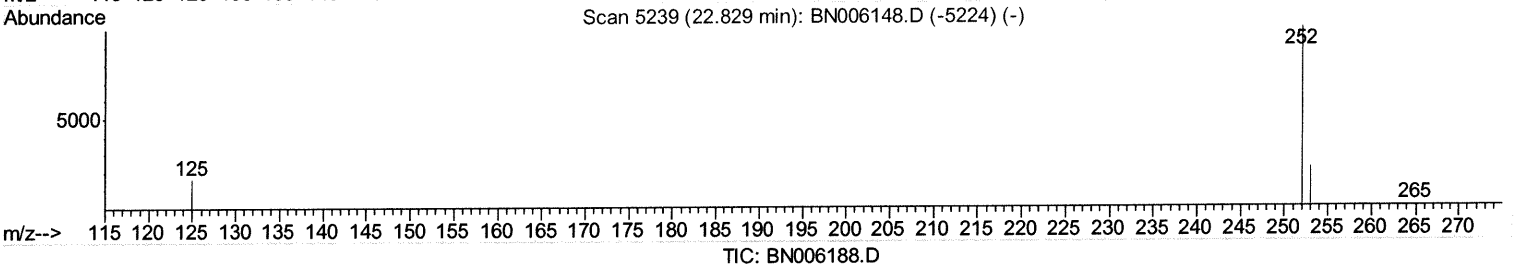
Quant Time: Jun 08 14:19:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM







TIC: BN006188.D

(21) Benzo(b)fluoranthene

22.833min (+0.005) 1.15ng/ul m JU 06/10/19

response 99823

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	23.24
125.00	20.50	16.22
0.00	0.00	0.00

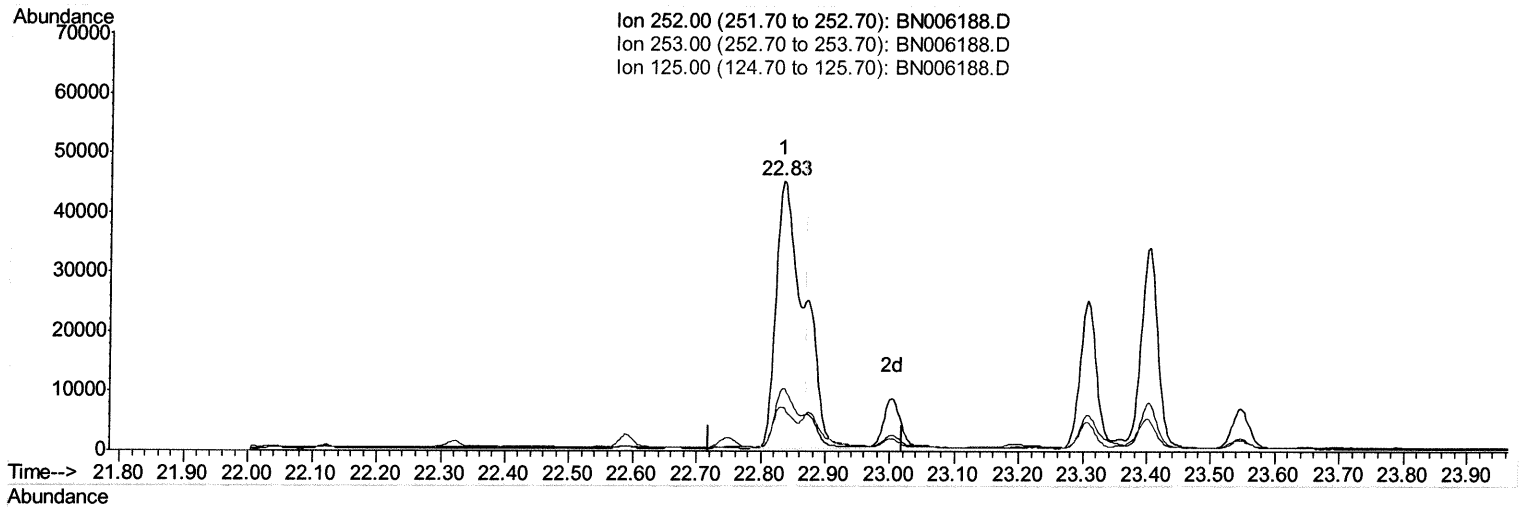
Quantitation Report (Qedit)

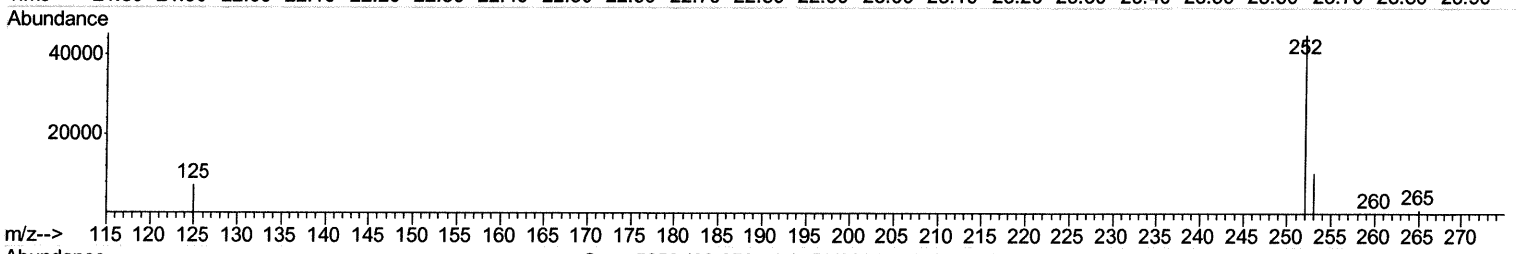
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

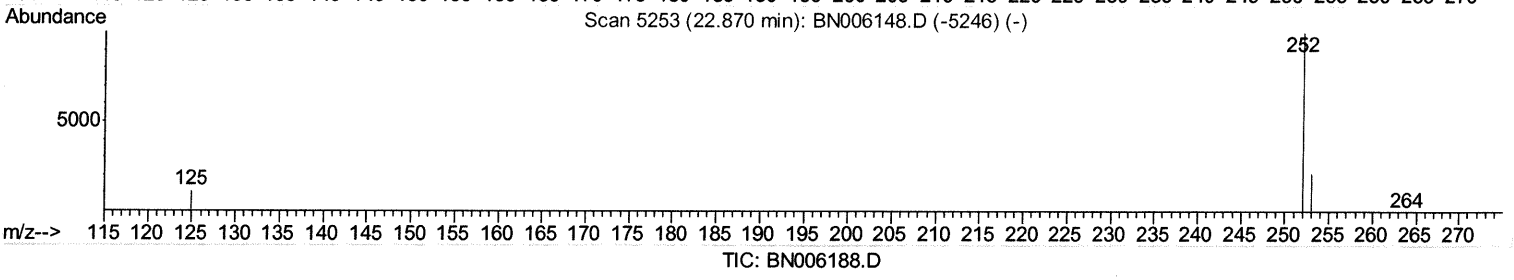
Quant Time: Jun 08 14:19:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM







TIC: BN006188.D

(22) Benzo(k)fluoranthene

22.833min (-0.036) 1.61ng/ul

response 136381

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	23.24
125.00	17.90	16.22
0.00	0.00	0.00

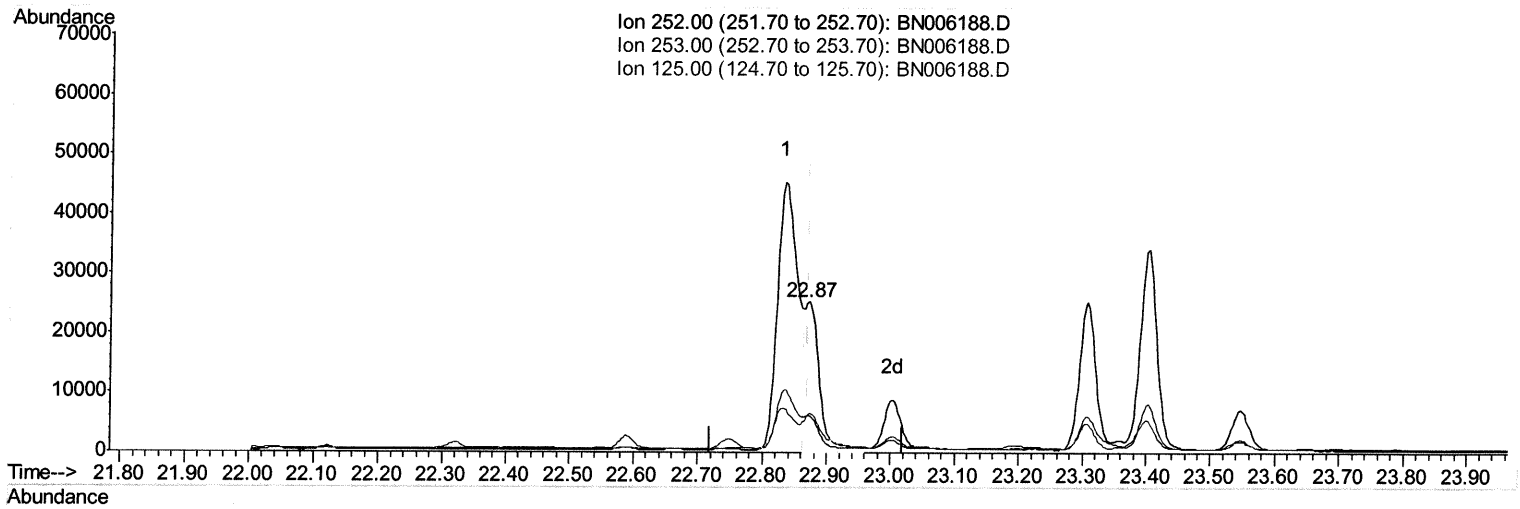
Quantitation Report (Qedit)

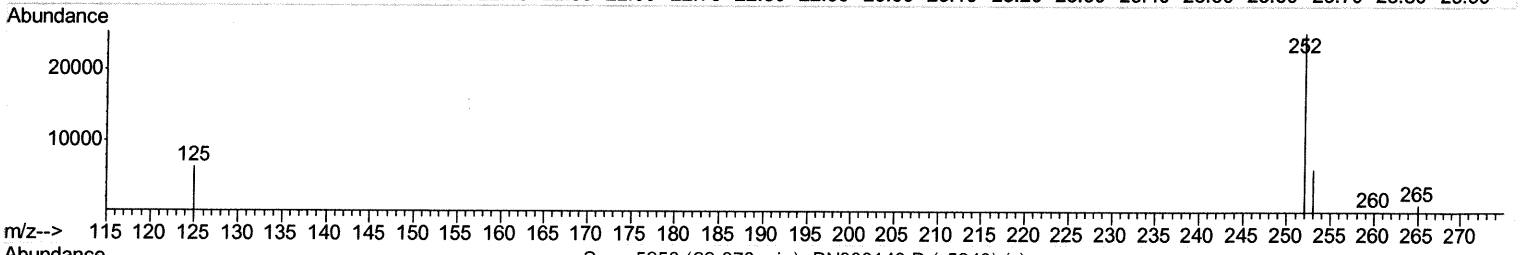
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

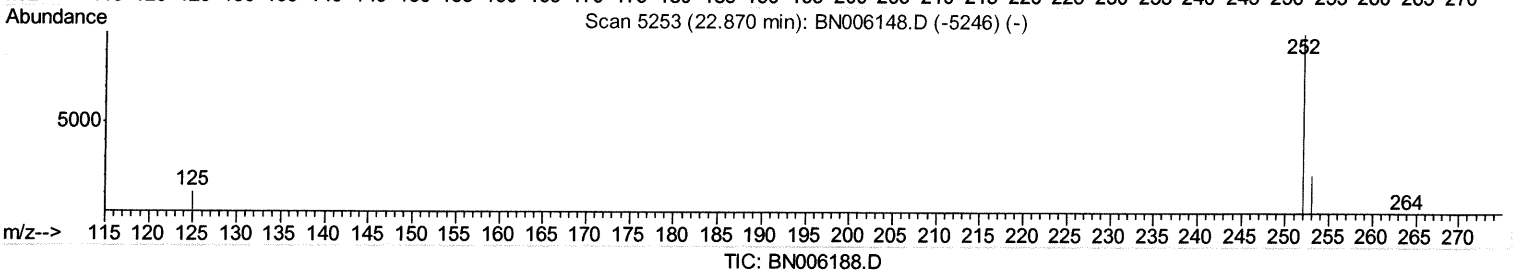
Quant Time: Jun 08 14:19:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM







TIC: BN006188.D

(22) Benzo(k)fluoranthene

22.871min (+0.002) 0.49ng/ul m JU 06/10/19

response 41329

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	24.57
125.00	17.90	25.05#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN060819\
Data File : BN006188.D
Acq On : 08 Jun 2019 13:20
Operator : JU/SJ
Sample : K3016-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A51D1

Manual Integrations APPROVED
mohammad
6/11/2019 4:30:26 PM

Quant Time: Jun 08 14:20:21 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3948	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	15055	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	7781	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	16390m	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	13848m	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	20853	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	4276	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	9854m	0.22	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.48	128	2889	0.070	ng/ul#	90
5) 2-Methylnaphthalene	12.10	142	1599	0.055	ng/ul	99
7) Acenaphthylene	14.01	152	18391	0.425	ng/ul	99
8) Acenaphthene	14.36	153	1630	0.054	ng/ul	96
9) Fluorene	15.35	166	4051	0.115	ng/ul#	97
12) Phenanthrene	17.09	178	89905m	1.709	ng/ul	
13) Anthracene	17.18	178	21604m	0.430	ng/ul	
15) Fluoranthene	19.12	202	172789m	2.974	ng/ul	
17) Pyrene	19.49	202	153067	2.098	ng/ul	99
18) Benzo(a)anthracene	21.25	228	63506	1.037	ng/ul	97
19) Chrysene	21.30	228	81285	1.414	ng/ul	98
21) Benzo(b)fluoranthene	22.83	252	99823m	1.148	ng/ul	
22) Benzo(k)fluoranthene	22.87	252	41329m	0.488	ng/ul	
23) Benzo(a)pyrene	23.40	252	61627	0.761	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.73	276	45961	0.524	ng/ul#	87
25) Dibenzo(a,h)anthracene	25.74	278	11556	0.165	ng/ul	96
26) Benzo(g,h,i)perylene	26.42	276	35784	0.487	ng/ul	96

JU 06/10/19

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