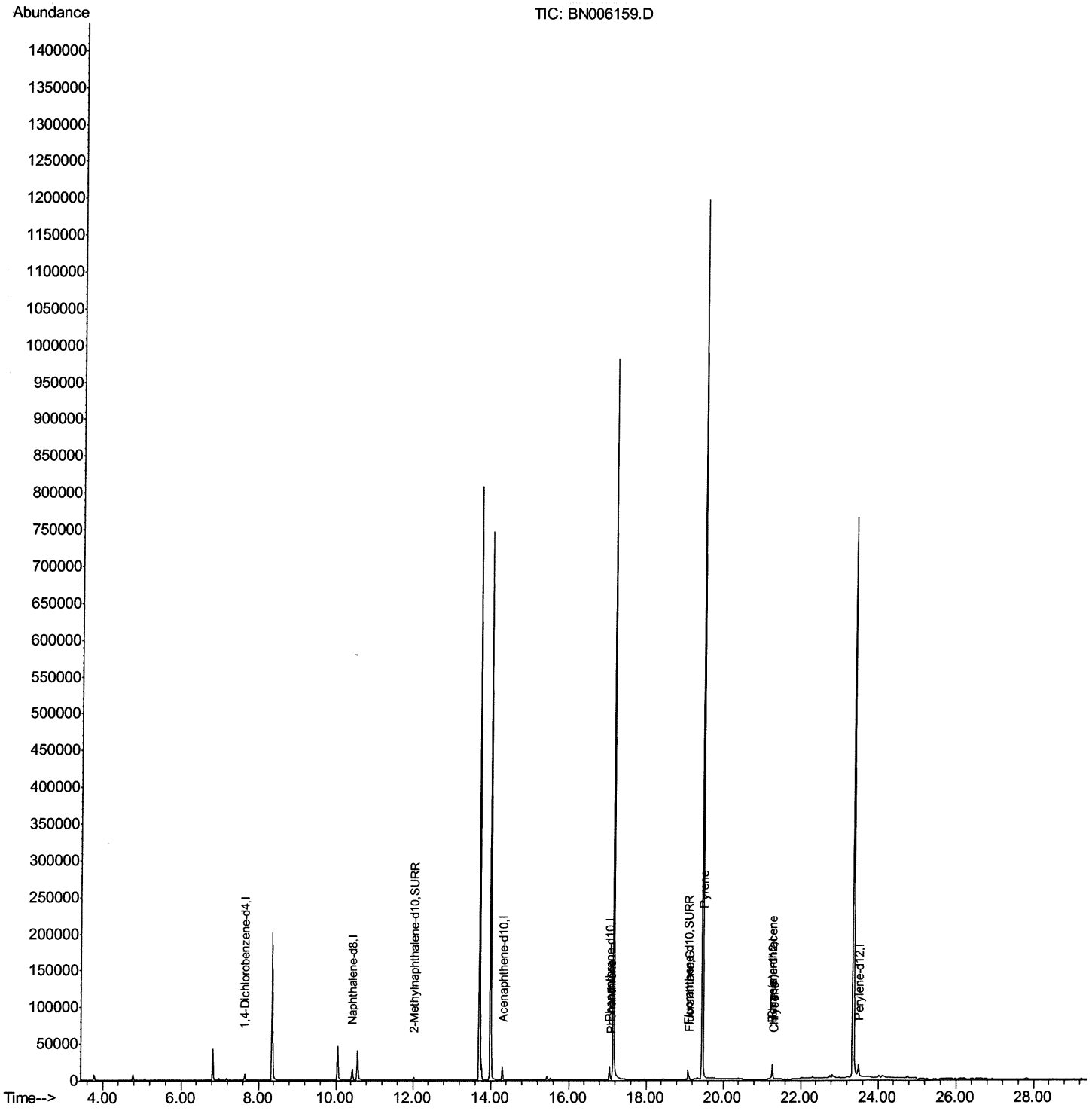
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:56:18 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 :
A51D4

Manual Integrations APPROVED
mohammad
6/11/2019 5:08:07 PM



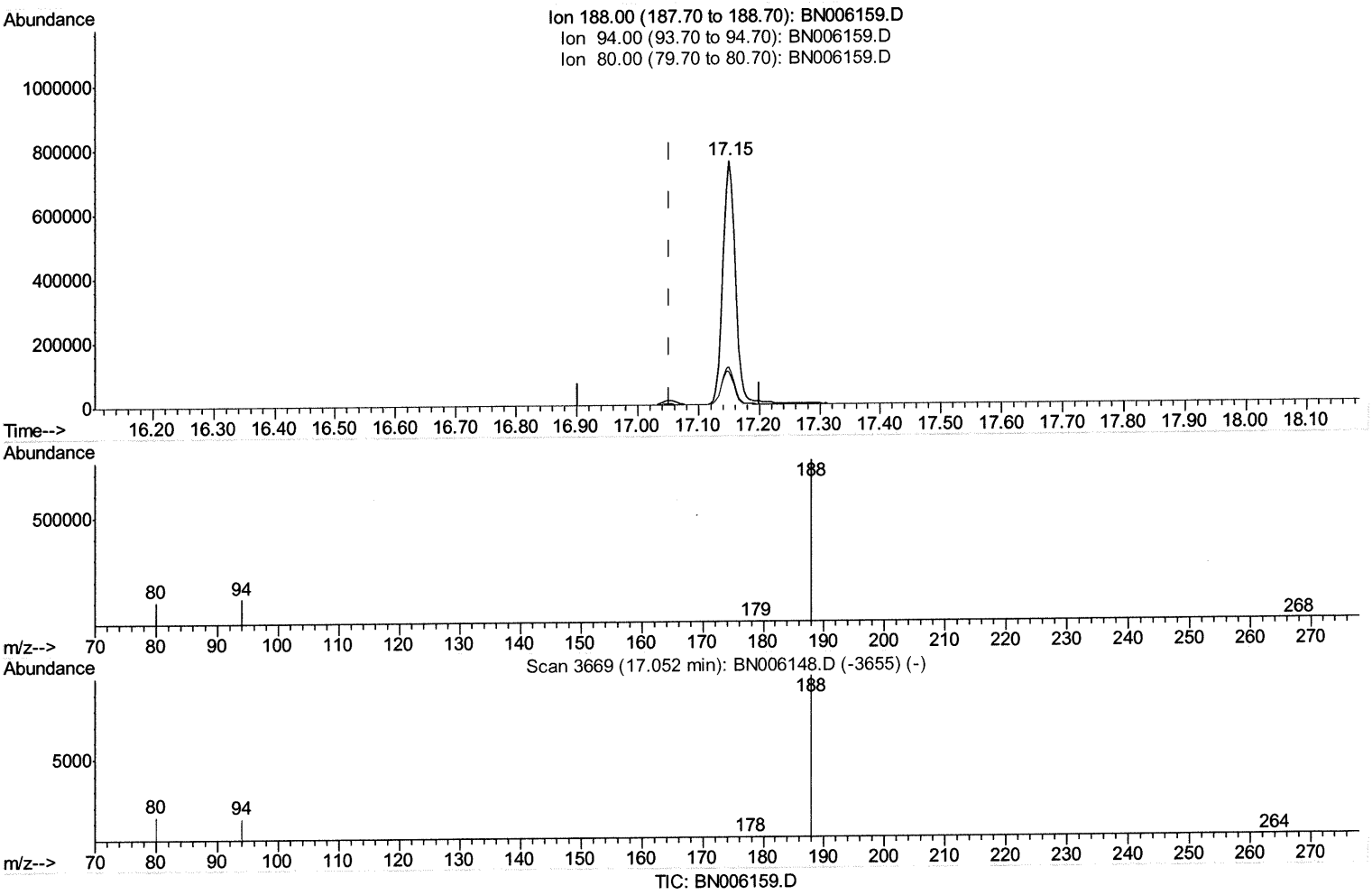
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:40:00 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 :
A51D4

Manual Integrations APPROVED
mohammad
6/11/2019 5:08:07 PM



TIC: BN006159.D

(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 1071704

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.44
80.00	13.60	13.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:40:00 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 :
A51D4

Manual Integrations APPROVED
mohammad
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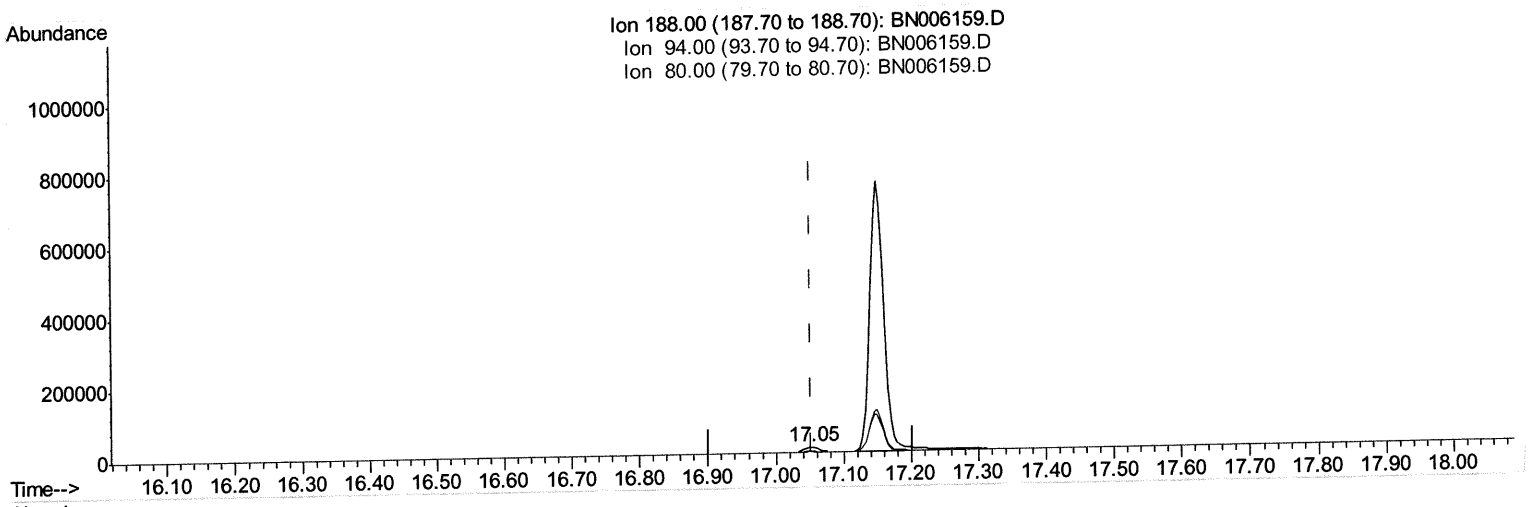
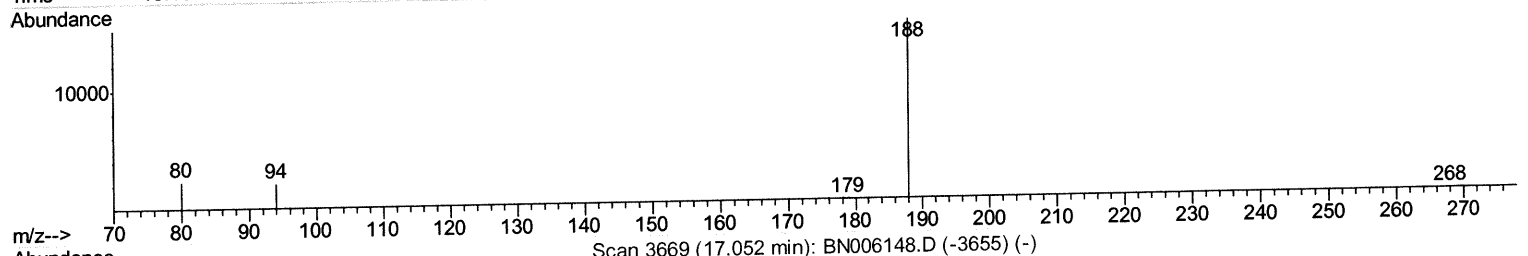
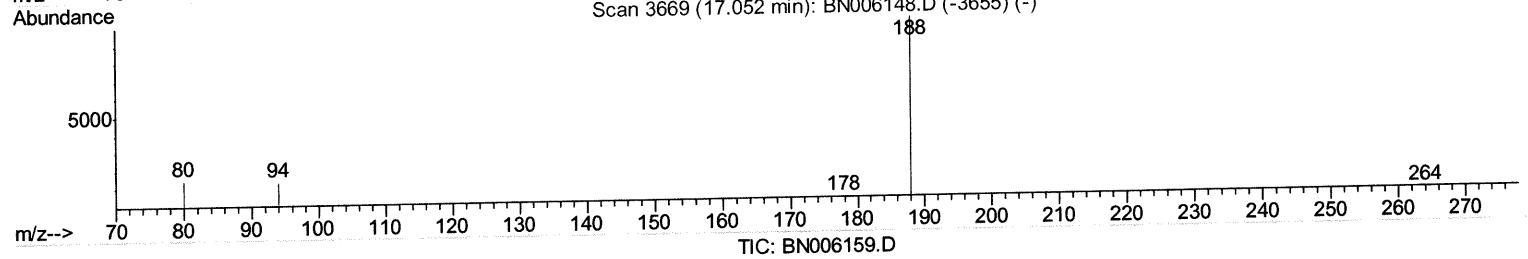




Scan 3669 (17.052 min): BN006148.D (-3655) (-)



TIC: BN006159.D

(10) Phenanthrene-d10 (I)

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

response 22053

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.23
80.00	13.60	15.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:53:05 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 :
A51D4

Manual Integrations APPROVED
mohammad
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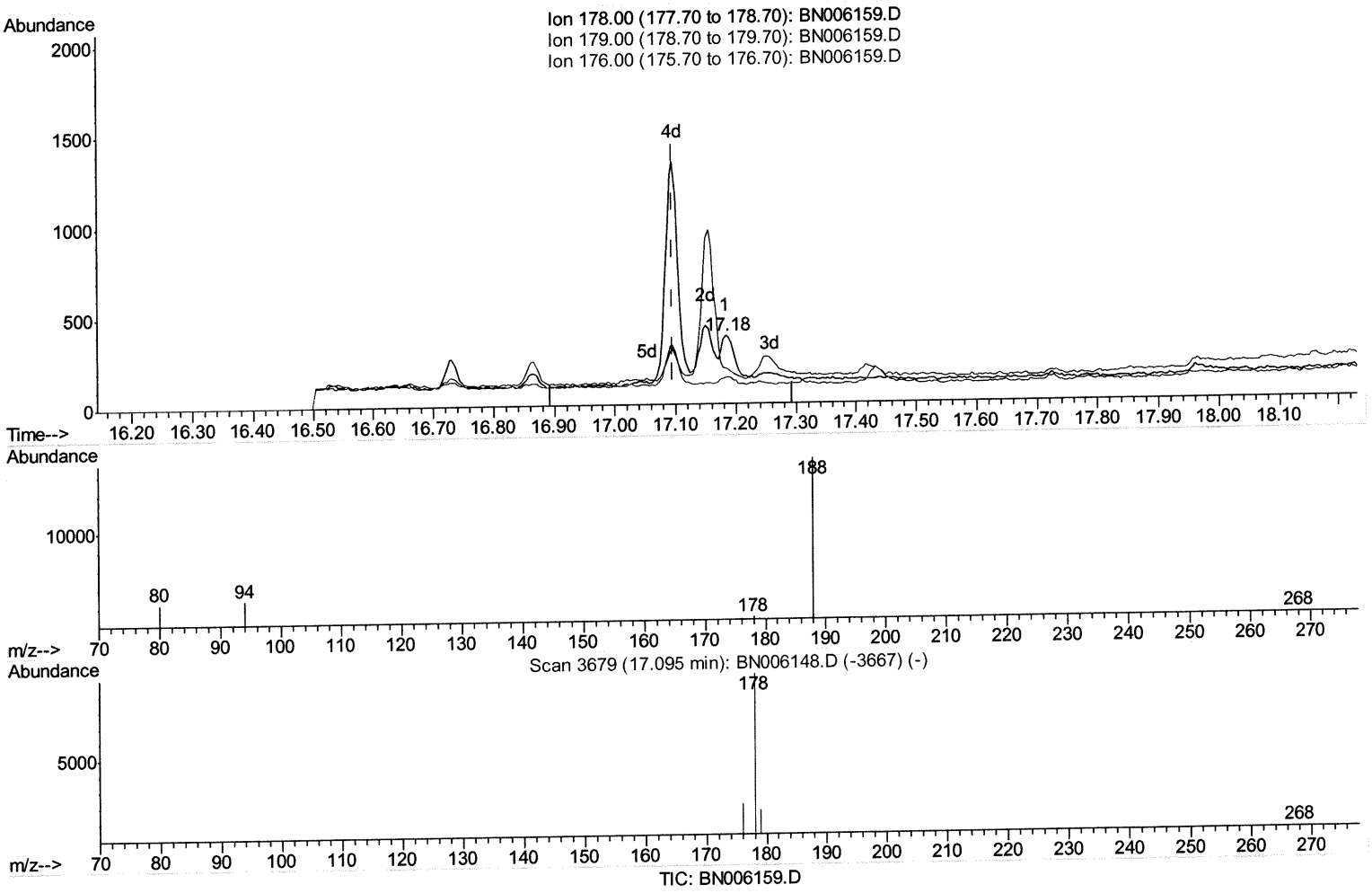

TIC: BN006159.D

(12) Phenanthrene

17.183min (+0.089) 0.01ng/ul

response 435

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	51.73#
176.00	19.10	39.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:53:05 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 :
A51D4

Manual Integrations APPROVED
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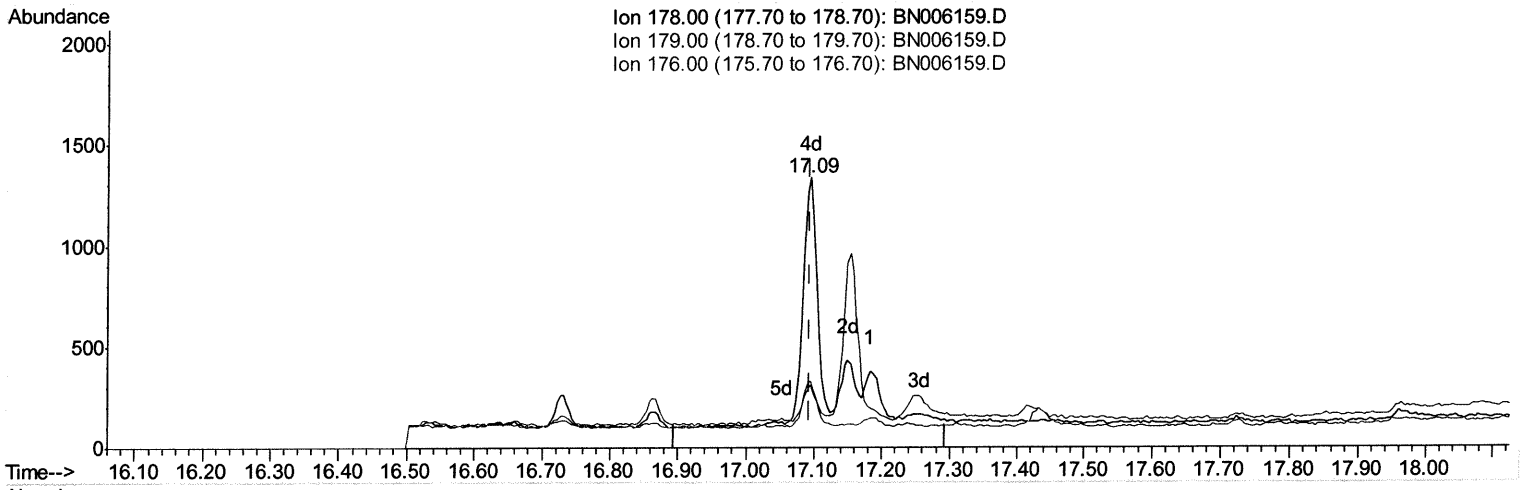
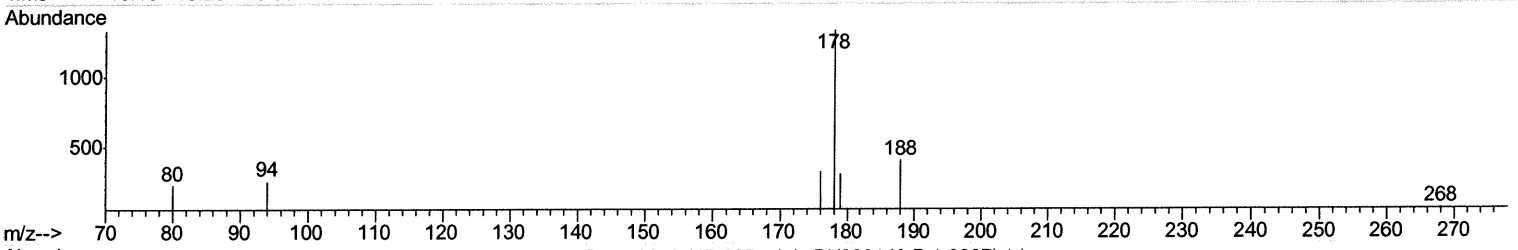
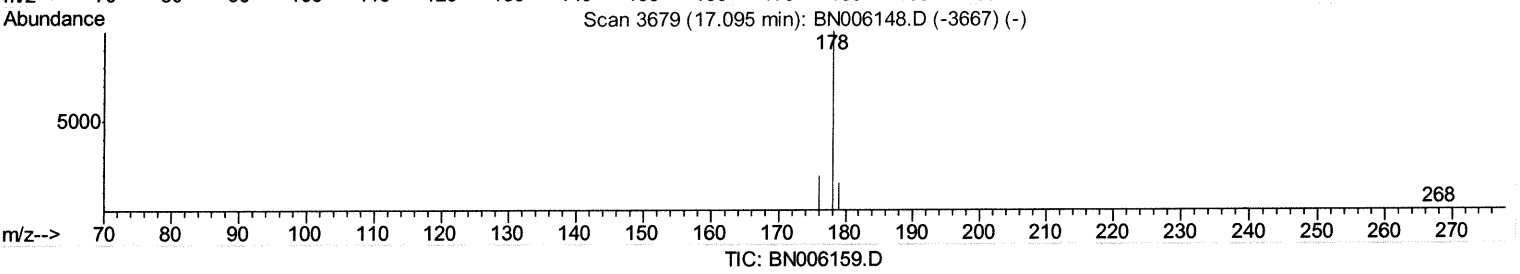






TIC: BN006159.D

(12) Phenanthrene

17.095min (+0.000) 0.02ng/ul m JU 06/10/19

response 1729

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	23.17#
176.00	19.10	24.44#
0.00	0.00	0.00

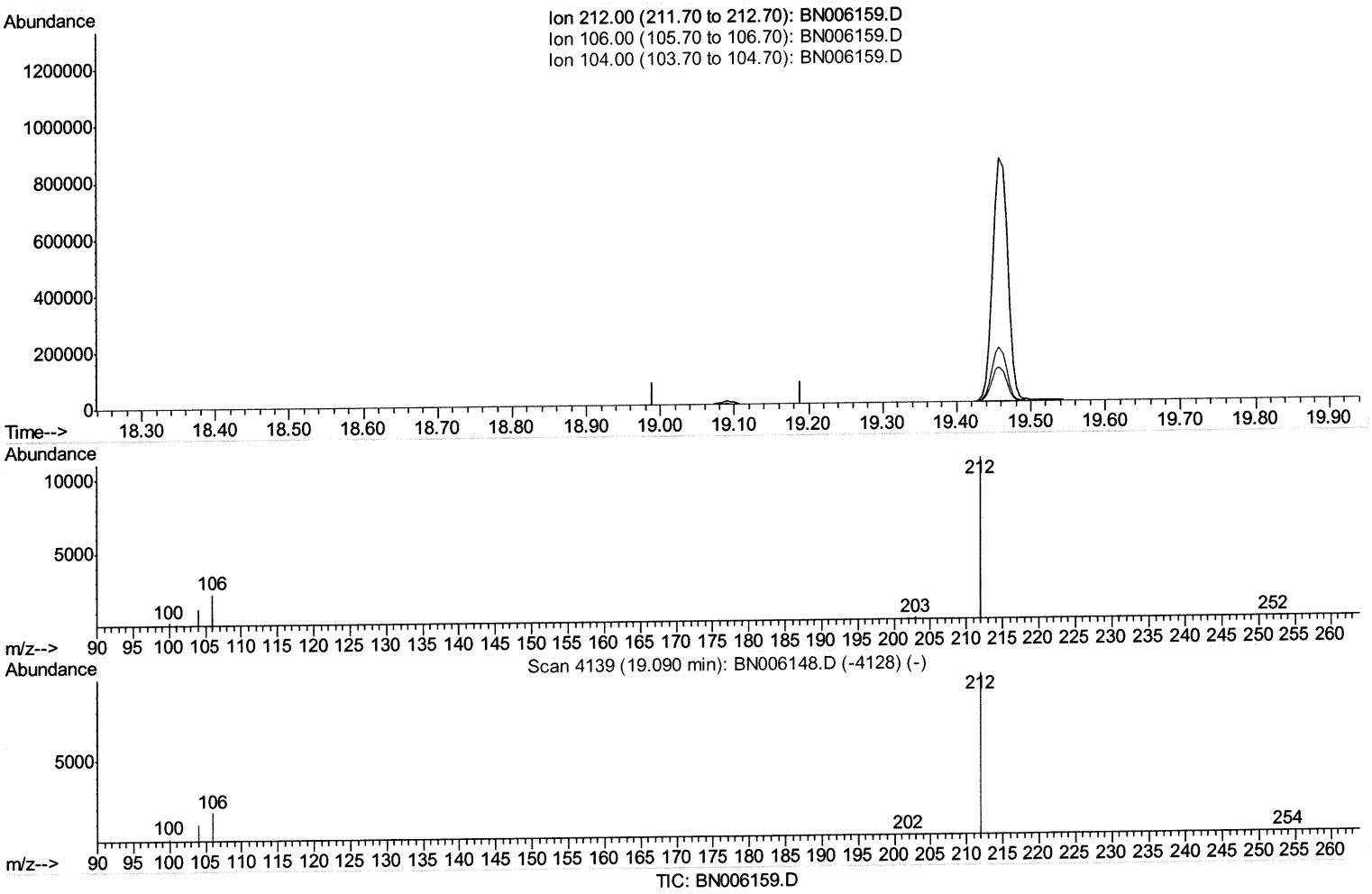
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:53:34 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D4

Manual Integrations APPROVED
mohammad
6/11/2019 5:08:07 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

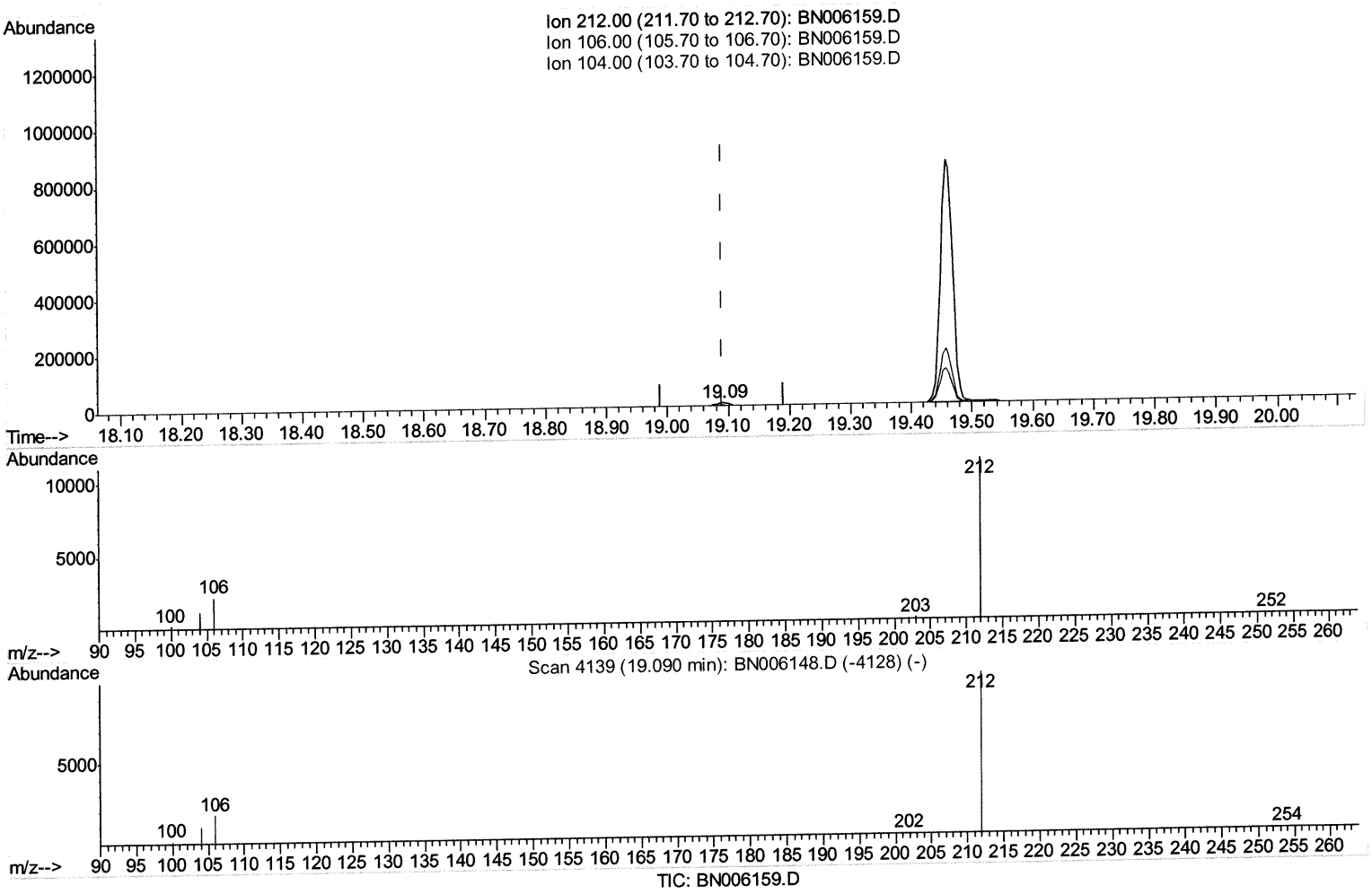
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:53:34 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 : Fri Jun 07 01:31:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51D4

Manual Integrations APPROVED
mohammad
6/11/2019 5:08:07 PM



TIC: BN006159.D

(14) Fluoranthene-d10 (SURR)

19.090min (+0.000) 0.25ng/ul m JU 06/10/19

response 15060

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\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:54:18 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 :
A51D4

Manual Integrations APPROVED
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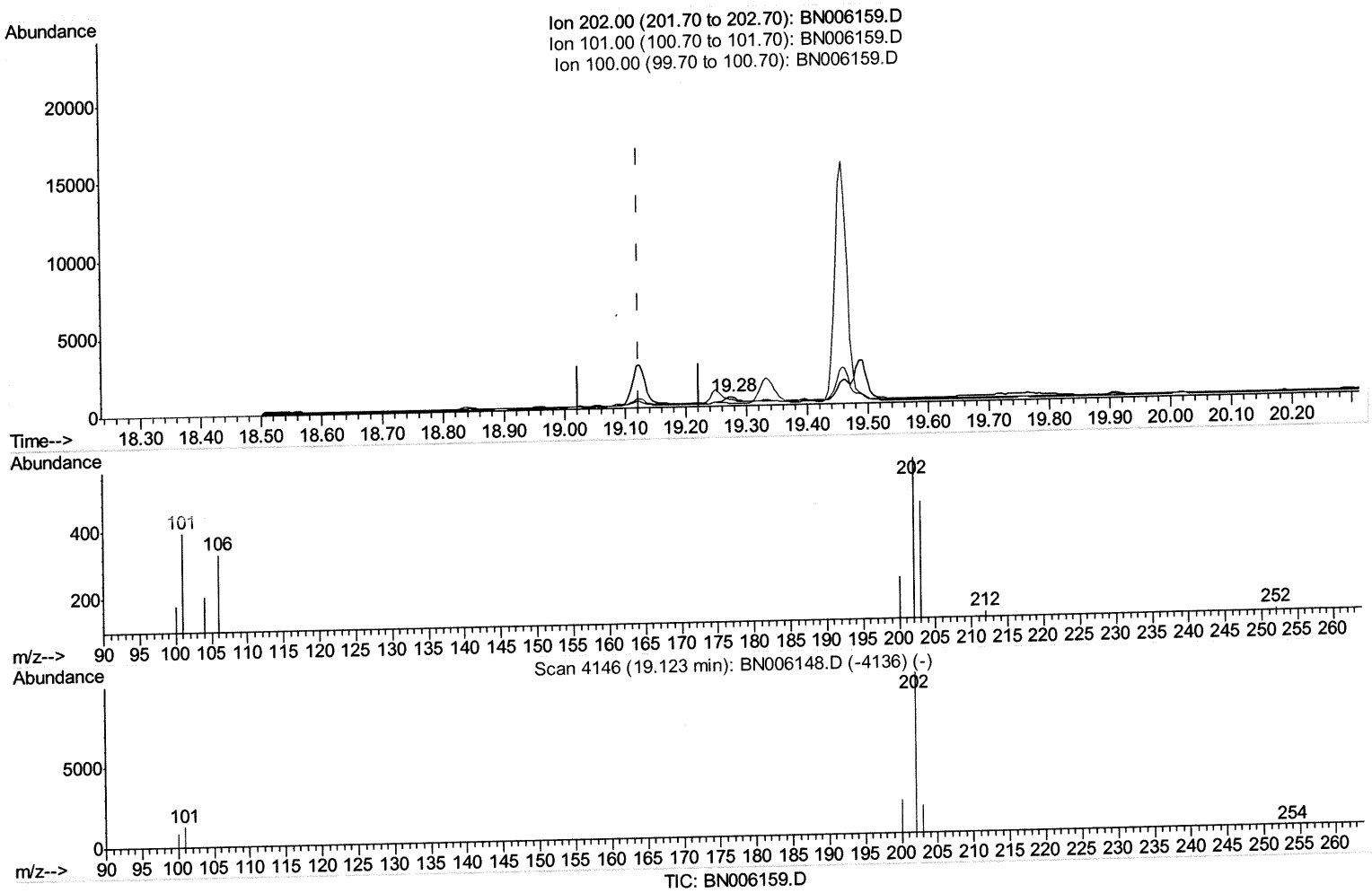


(15) Fluoranthene (C)

19.276min (+0.153) 0.01ng/ul

response 596

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	68.22#
100.00	8.70	30.74#
0.00	0.00	0.00

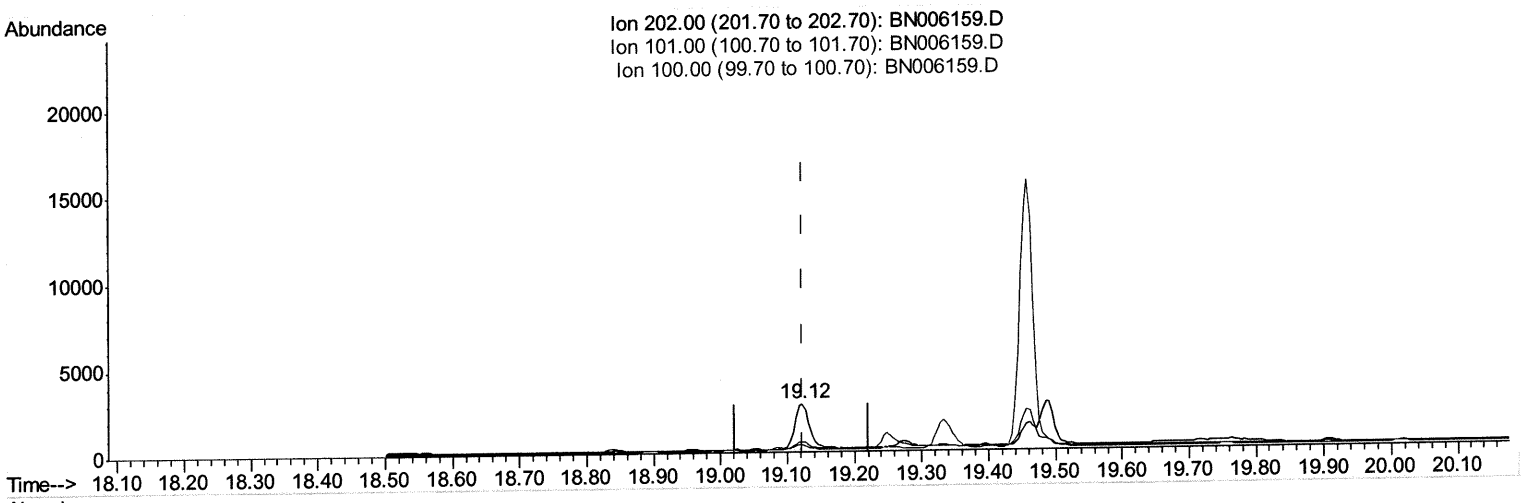
Quantitation Report (Qedit)

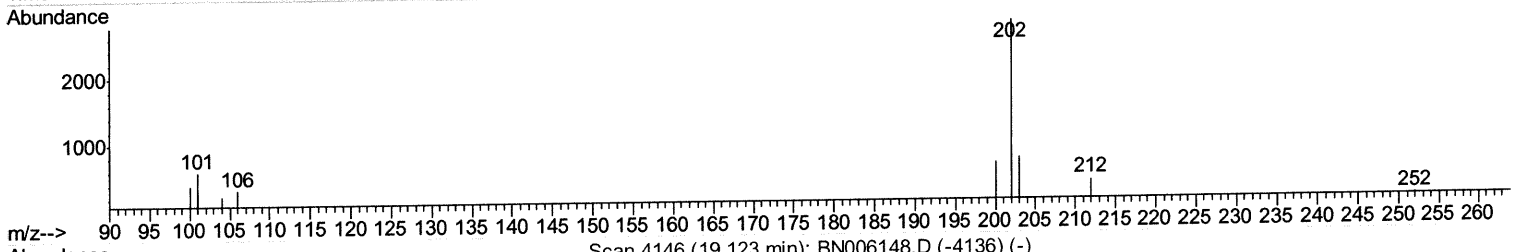
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:54:18 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

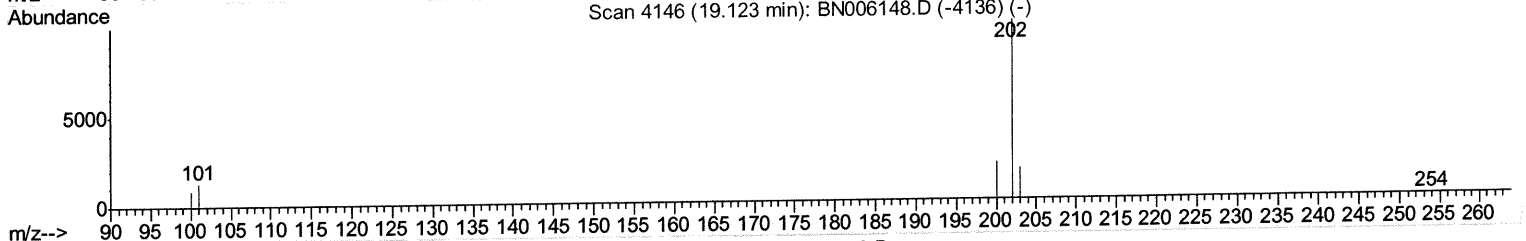
Instrument :
BNA_N
ClientSampleId :
A51D4

Manual Integrations APPROVED
mohammad
6/11/2019 5:08:07 PM





Scan 4146 (19.123 min): BN006148.D (-4136) (-)



TIC: BN006159.D

(15) Fluoranthene (C)

19.123min (+0.000) 0.05ng/ul m JU 06/10/19

response 4020

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	21.33
100.00	8.70	14.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:54:18 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 :
A51D4

Manual Integrations APPROVED
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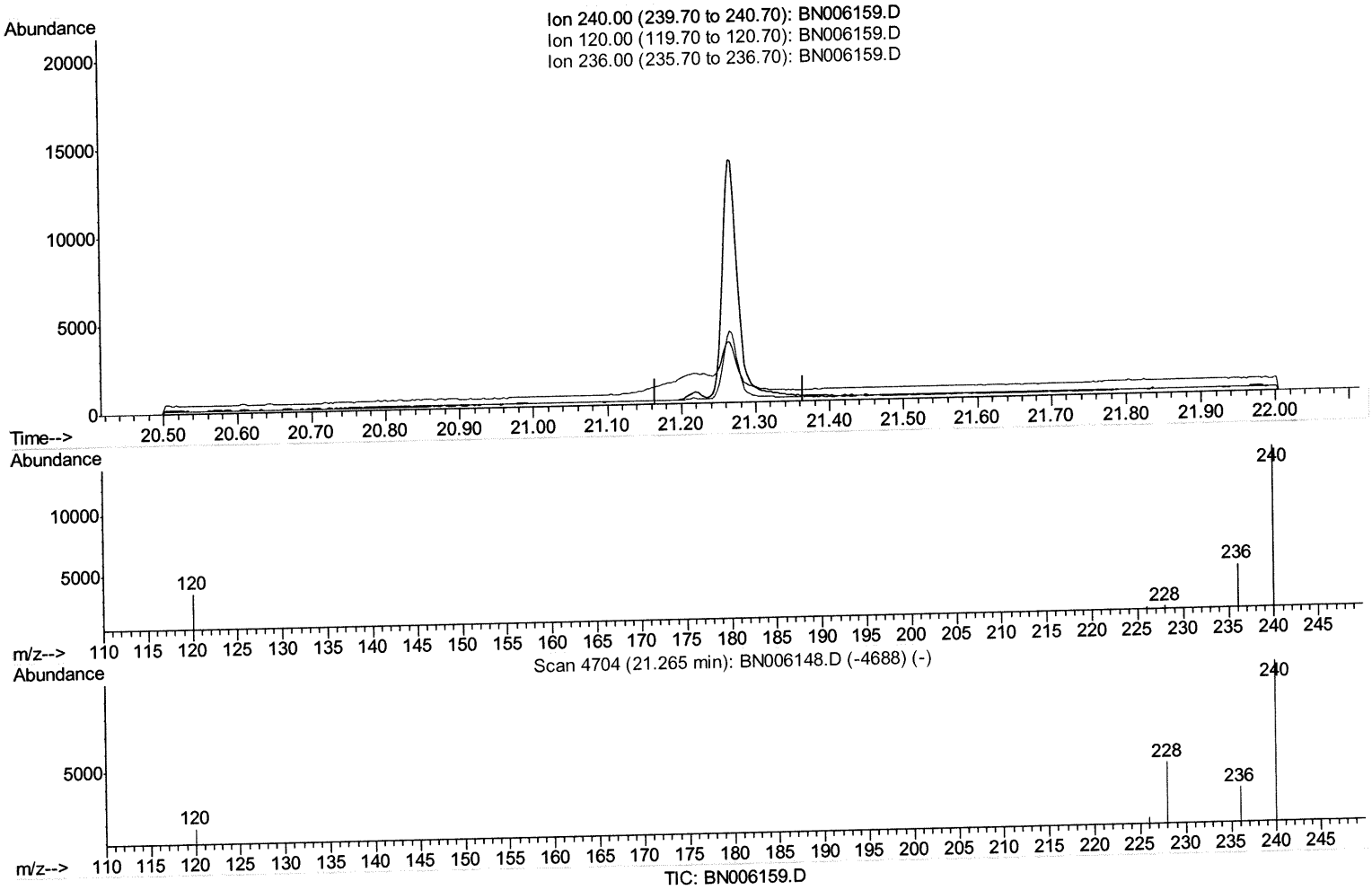
6/11/2019 5:08:07 PM



TIC: BN006159.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

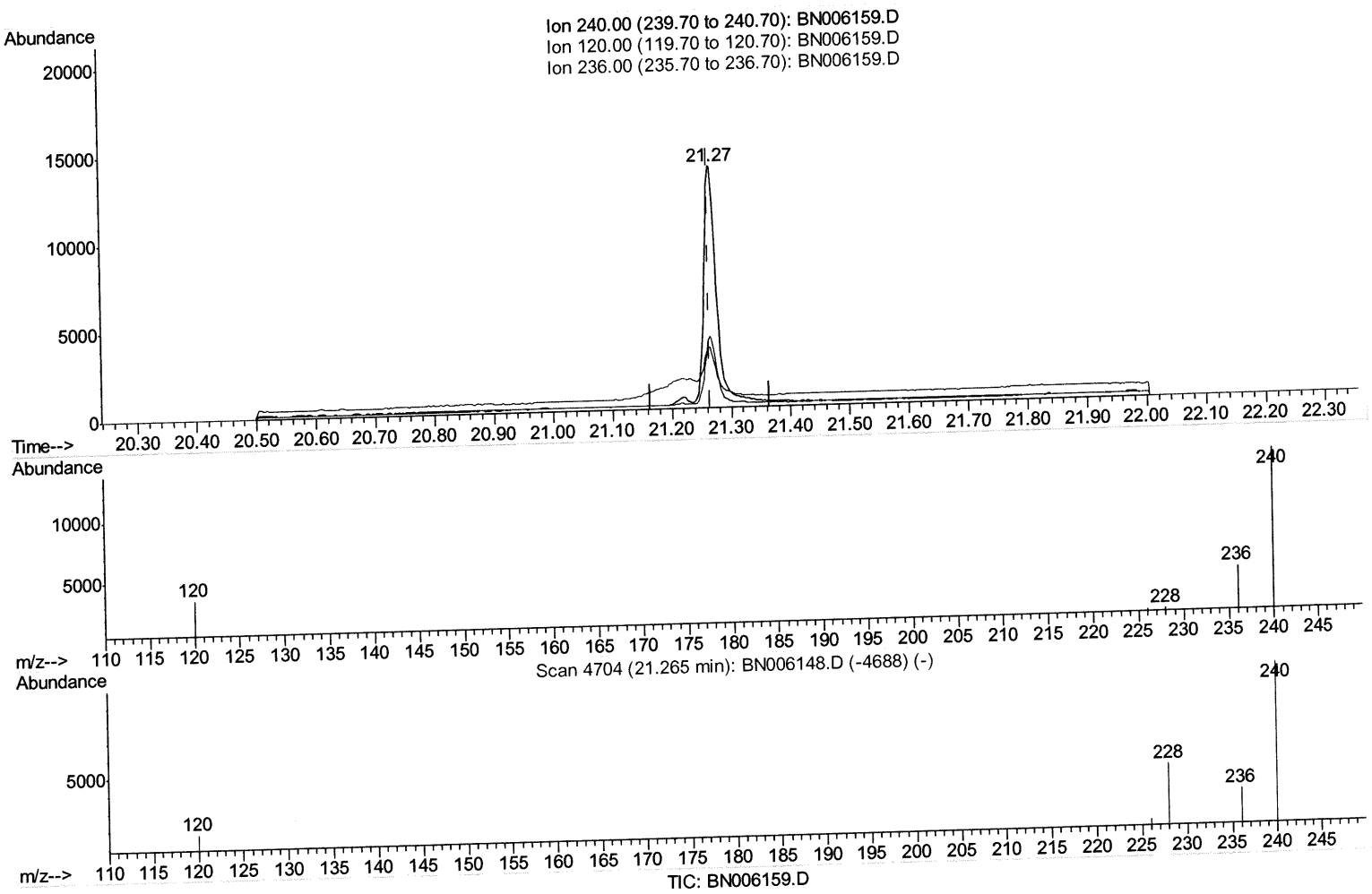
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:54:18 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 :
A51D4

Manual Integrations APPROVED
mohammad
6/11/2019 5:08:07 PM



(16) Chrysene-d12 (I)

21.265min (+0.000) 0.40ng/ul m JU 06/10/19

response 19727

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	24.98#
236.00	30.10	29.67
0.00	0.00	0.00

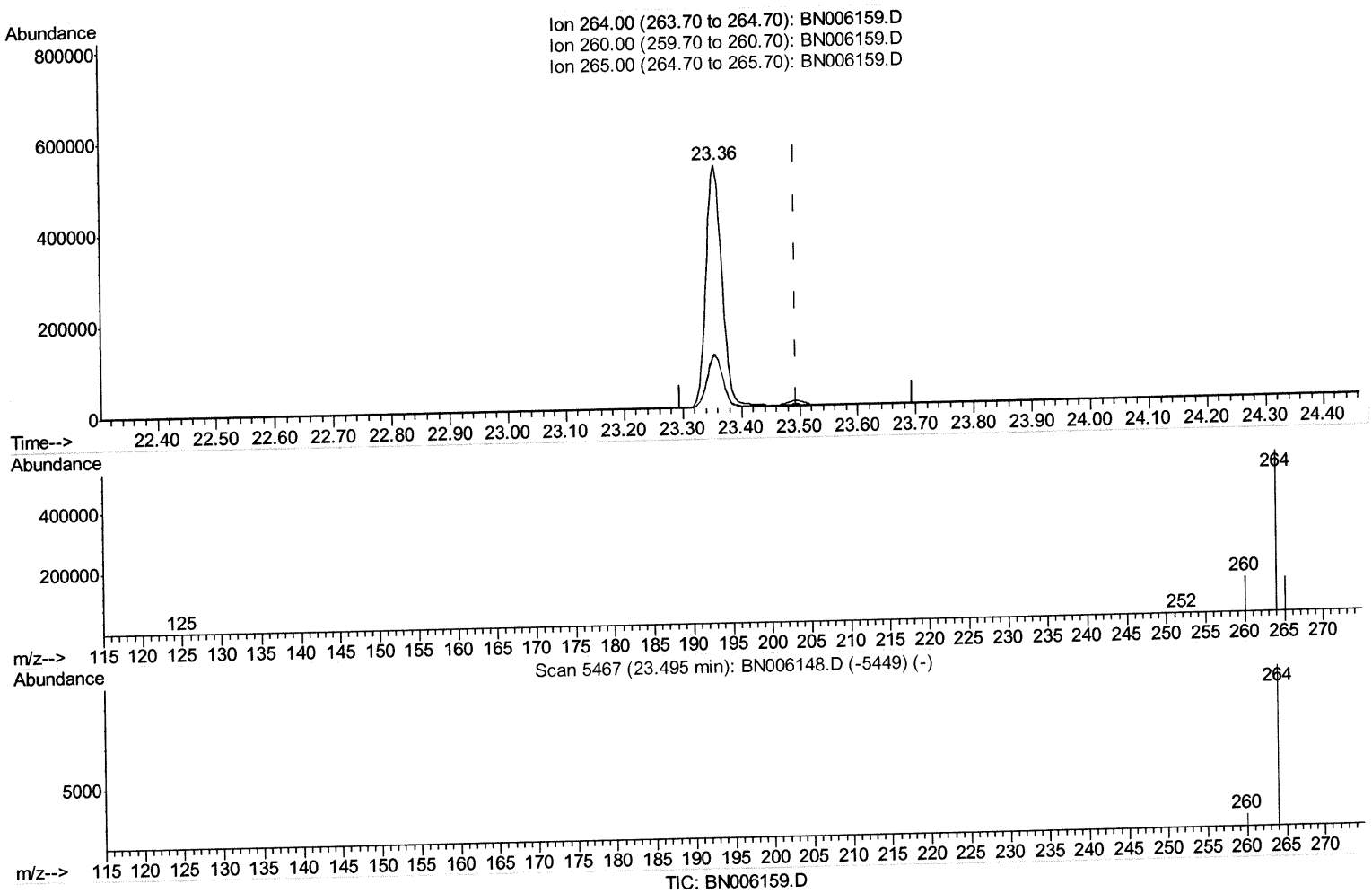
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:55:25 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 :
A51D4

Manual Integrations APPROVED
mohammad
6/11/2019 5:08:07 PM



TIC: BN006159.D

(20) Perylene-d12 (I)

23.355min (-0.140) 0.40ng/ul

response 1010104

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	22.22#
265.00	44.70	21.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
Data File : BN006159.D
Acq On : 07 Jun 2019 05:48
Operator : JU/SJ
Sample : K3016-17
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 07 06:55:25 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 :
A51D4

Manual Integrations APPROVED
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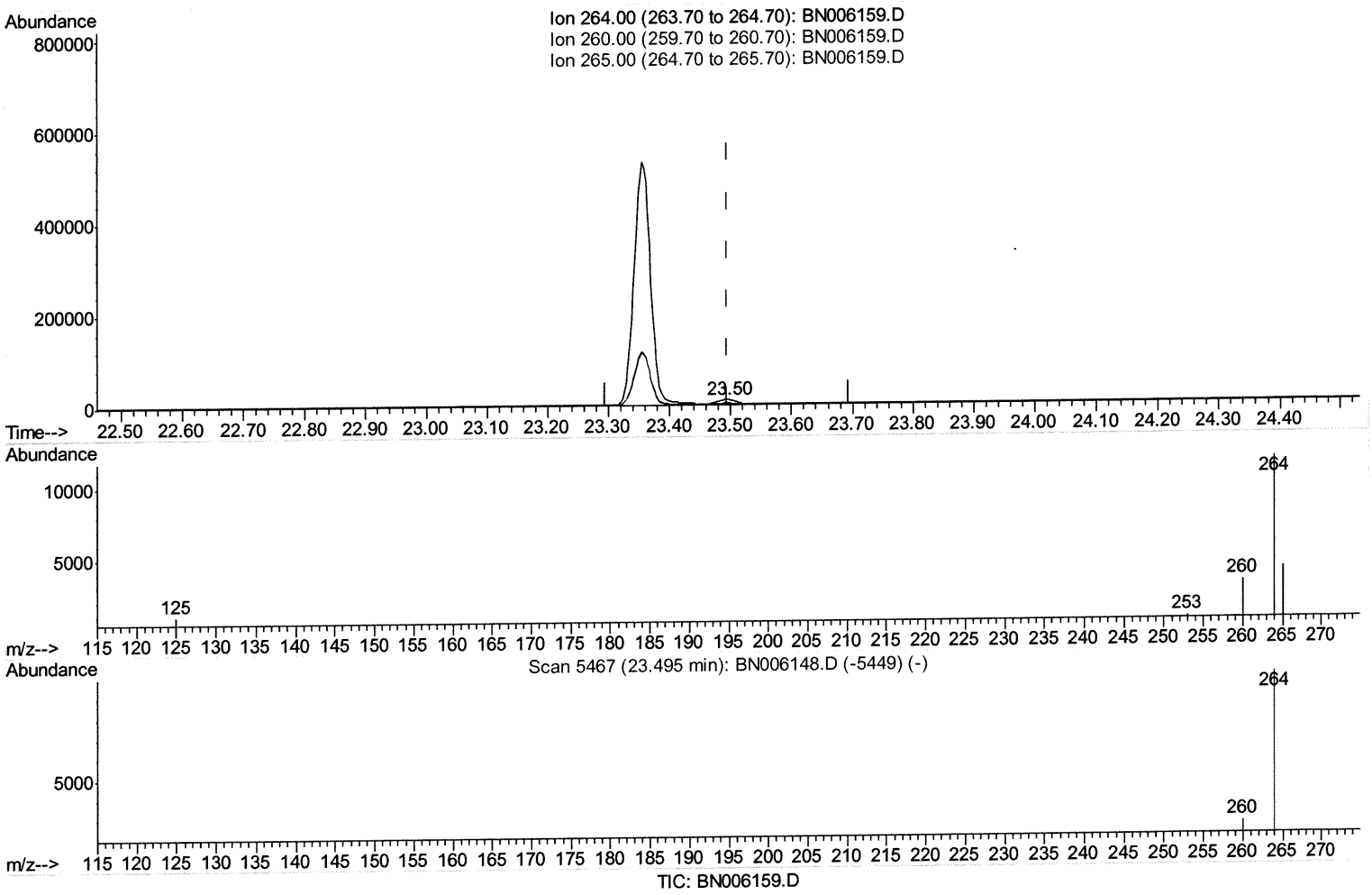
6/11/2019 5:08:07 PM



(20) Perylene-d12 (I)

23.495min (+0.000) 0.40ng/ul m JU 06/10/19

response 16757

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.50
265.00	44.70	34.09#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN060619\
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Instrument : BNA_N
ClientSampleId : A51D4

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	5434	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	20156	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10505	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	22053m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	19727m>	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	16757m>	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	5848	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	15060m>	0.25	ng/ul	0.00
Target Compounds						Qvalue
12) Phenanthrene	17.09	178	1729m>	0.024	ng/ul	
15) Fluoranthene	19.12	202	4020m>	0.051	ng/ul	
17) Pyrene	19.49	202	3533	0.034	ng/ul#	75
18) Benzo(a)anthracene	21.25	228	2204	0.025	ng/ul#	57
19) Chrysene	21.30	228	2461	0.030	ng/ul#	76

JU 06/10/19

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