Quantitation Report (QT Reviewed)

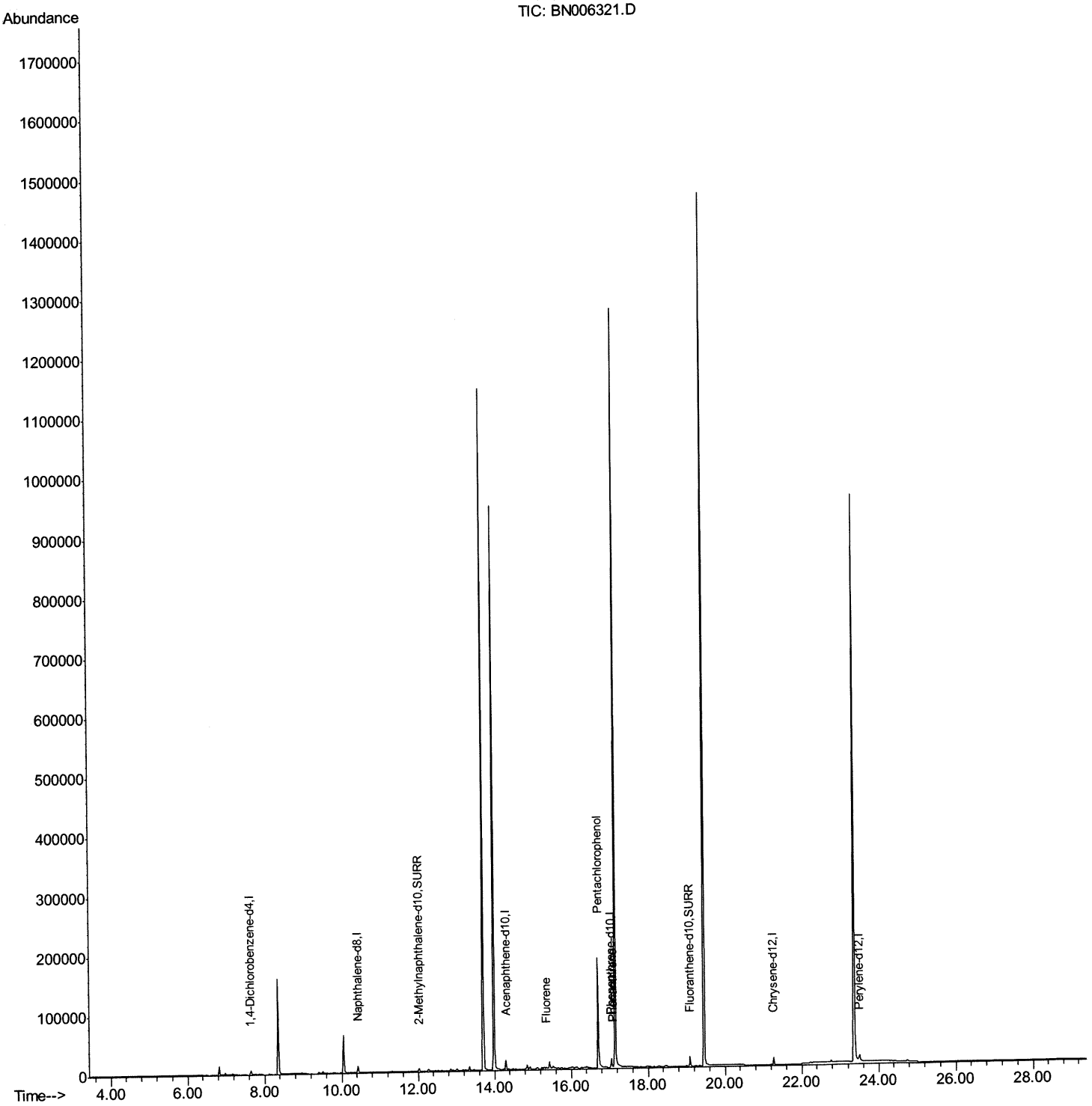
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:05:55 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM

TIC: BN006321.D



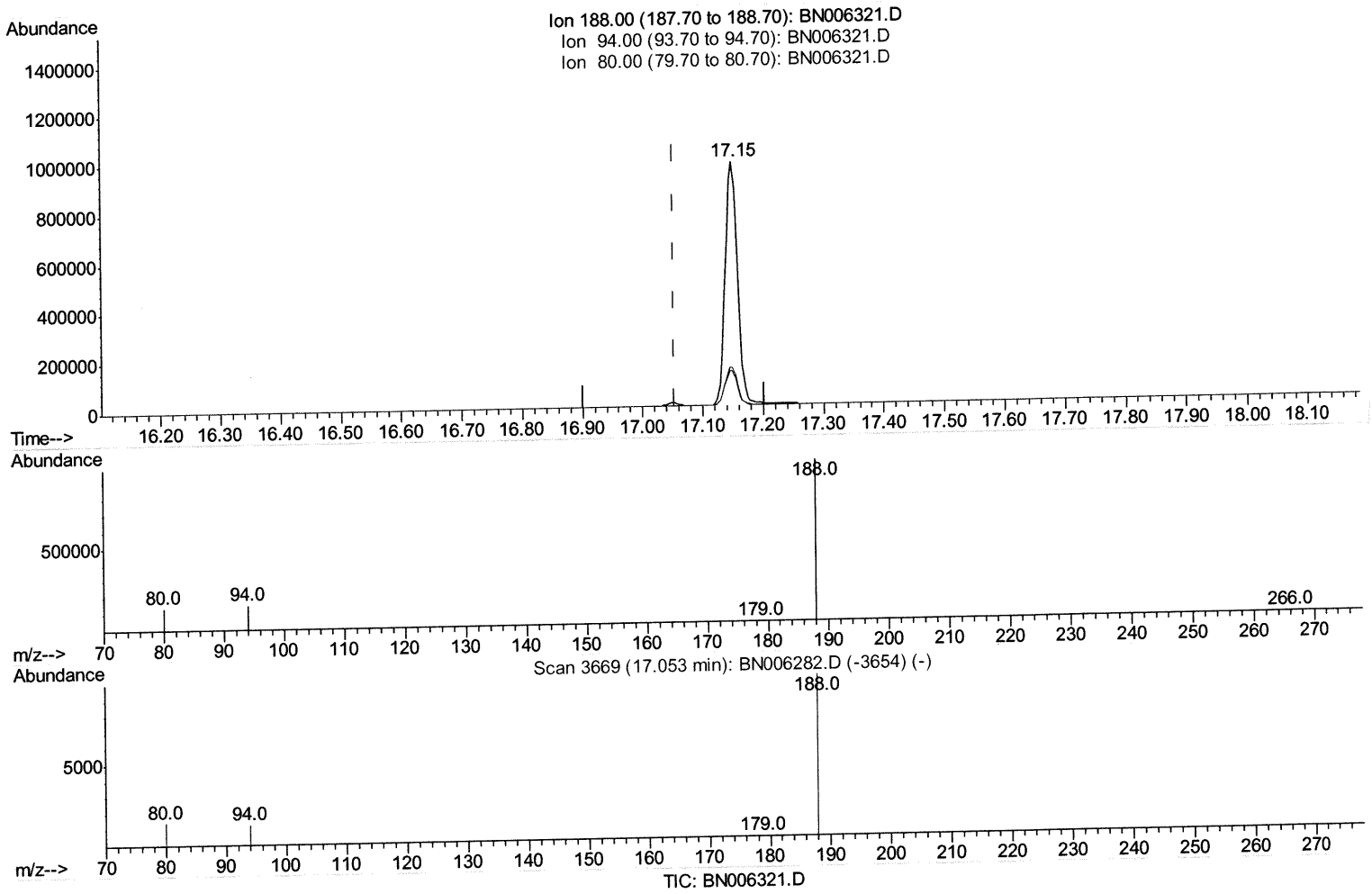
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 01:06:29 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM



(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 1392113

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.37
80.00	13.60	14.04
0.00	0.00	0.00

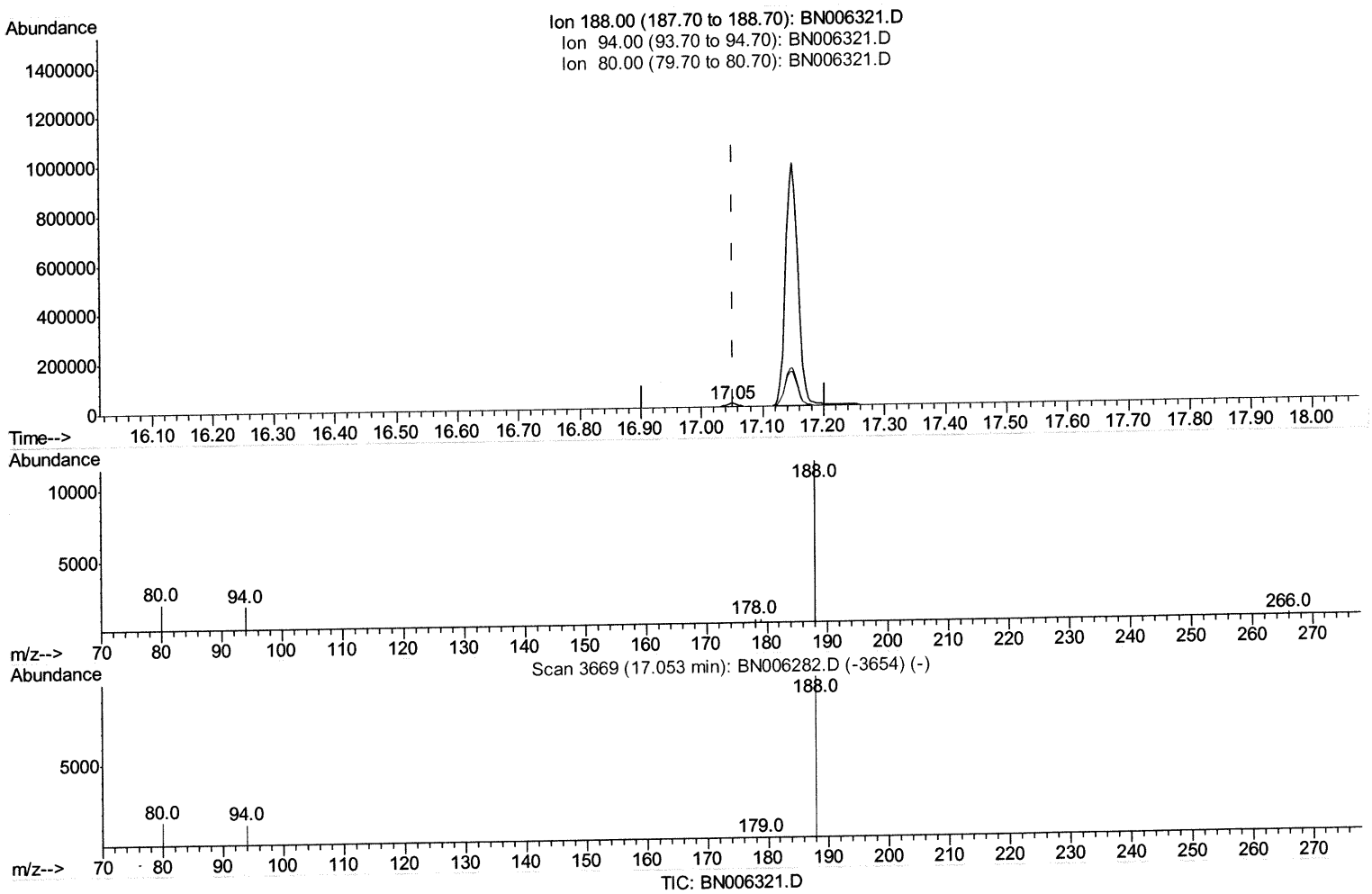
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 01:06:29 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM



(10) Phenanthrene-d10 (I)

17.048min (-0.004) 0.40ng/ul m JU 06/19/19

response 16428

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.73#
80.00	13.60	17.32#
0.00	0.00	0.00

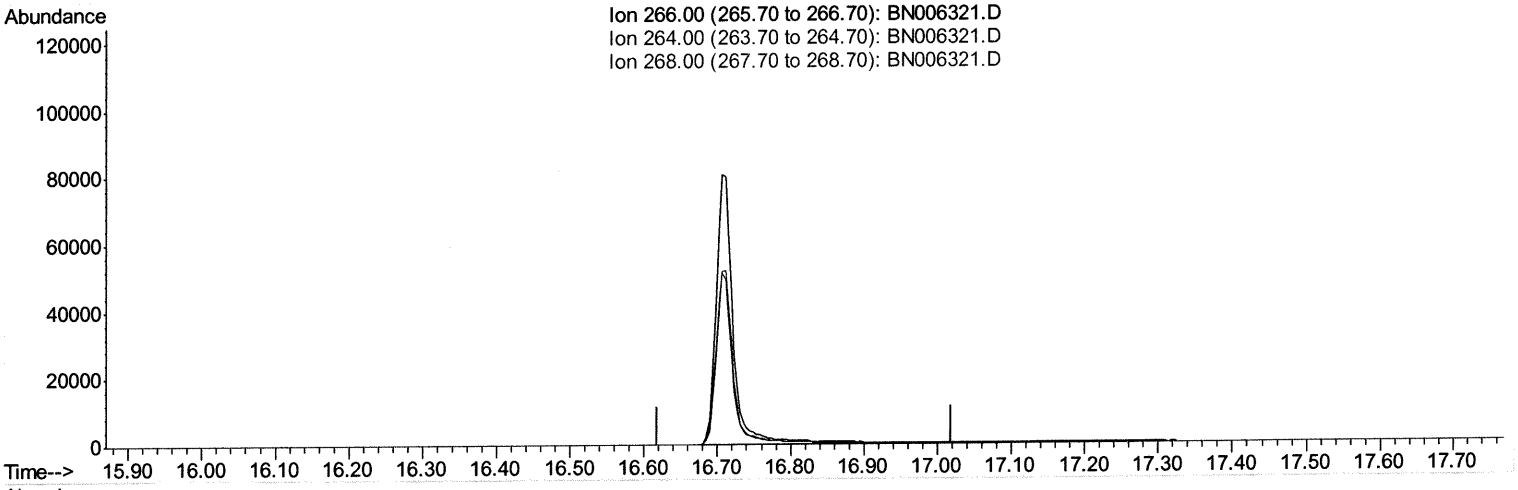
Quantitation Report (Qedit)

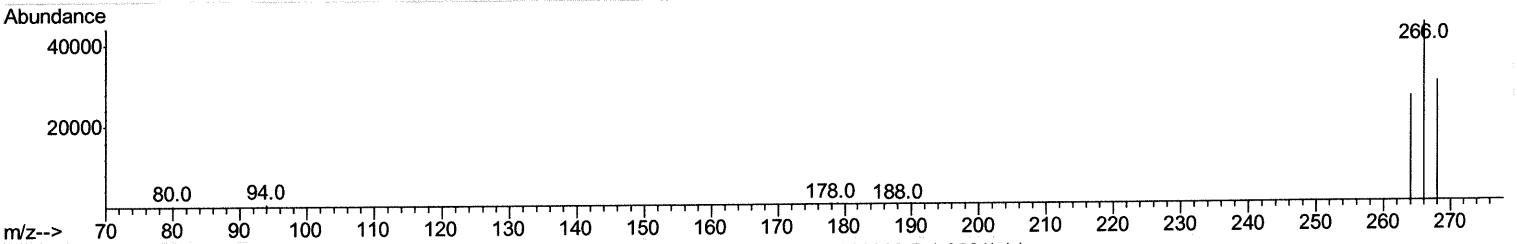
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:02:36 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

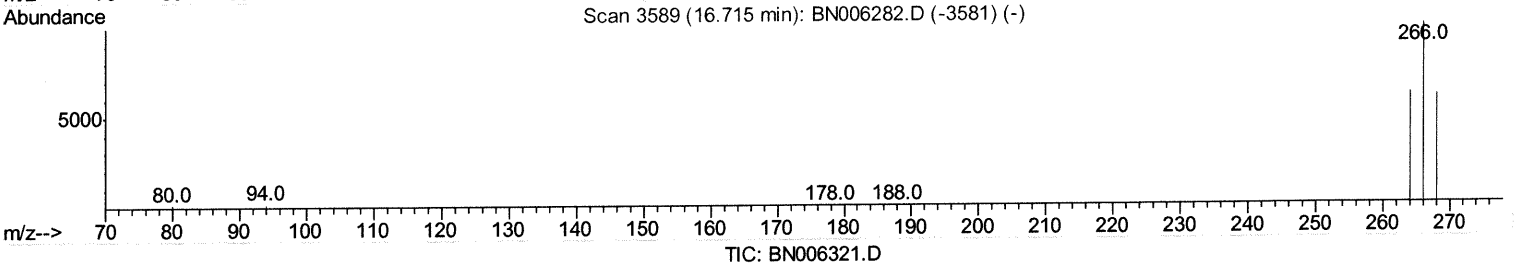
Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM





Scan 3589 (16.715 min): BN006282.D (-3581) (-)



TIC: BN006321.D

(11) Pentachlorophenol

16.719min (-16.719) 0.00ng/ul

response 0

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

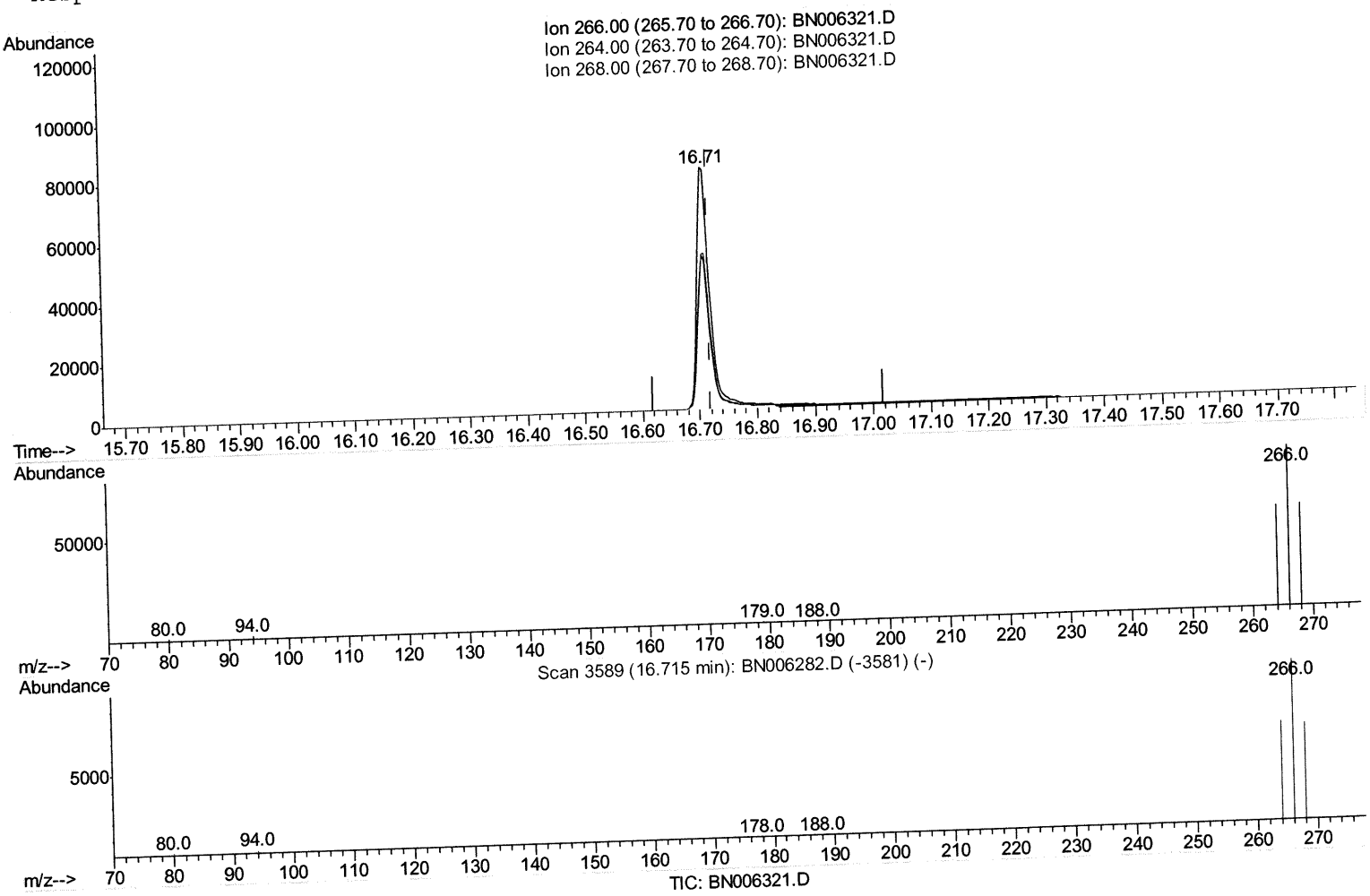
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:02:36 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM



(11) Pentachlorophenol

16.706min (-0.013) 30.80ng/ul m JV 06/19/19

response 128553

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

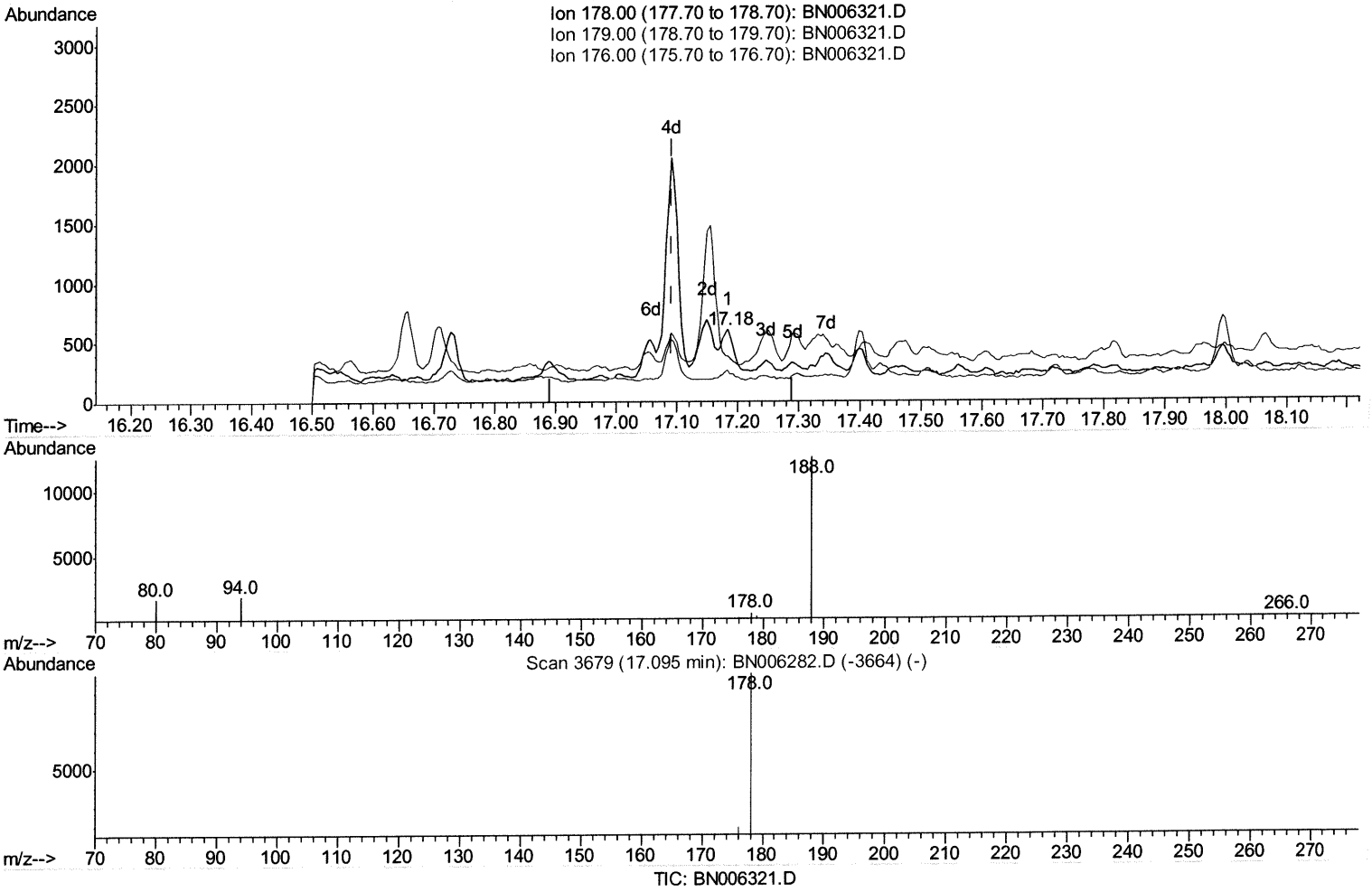
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:02:36 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM



TIC: BN006321.D

(12) Phenanthrene

17.183min (+0.093) 0.01ng/ul

response 544

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	62.64#
176.00	19.10	42.64#
0.00	0.00	0.00

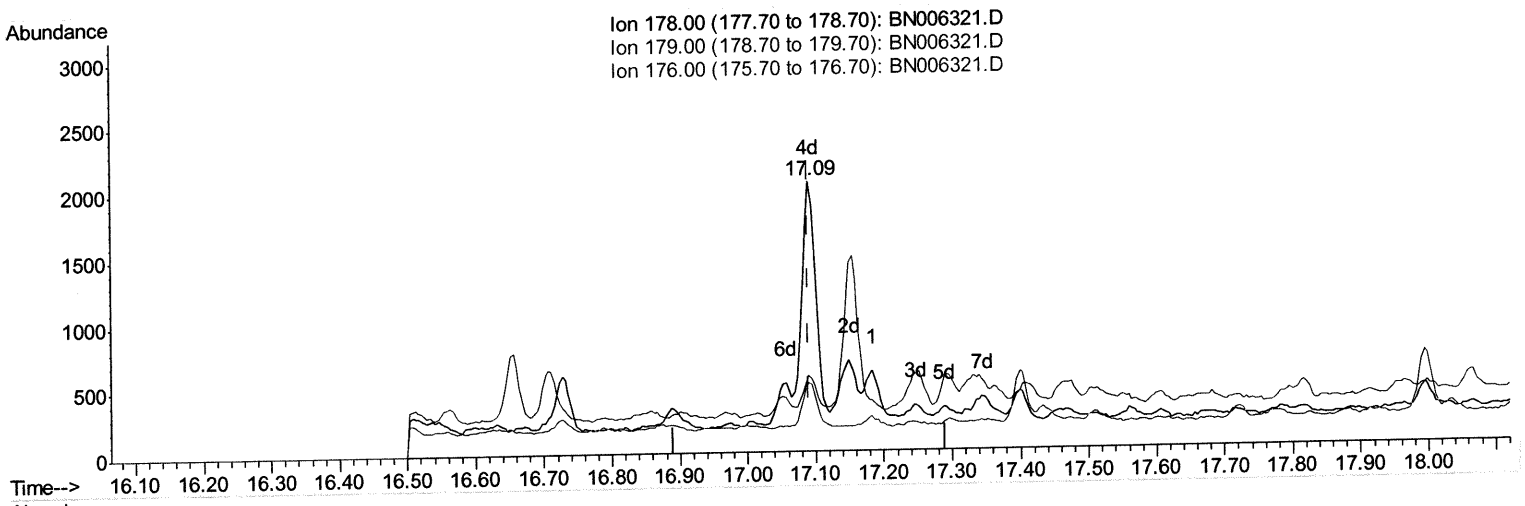
Quantitation Report (Qedit)

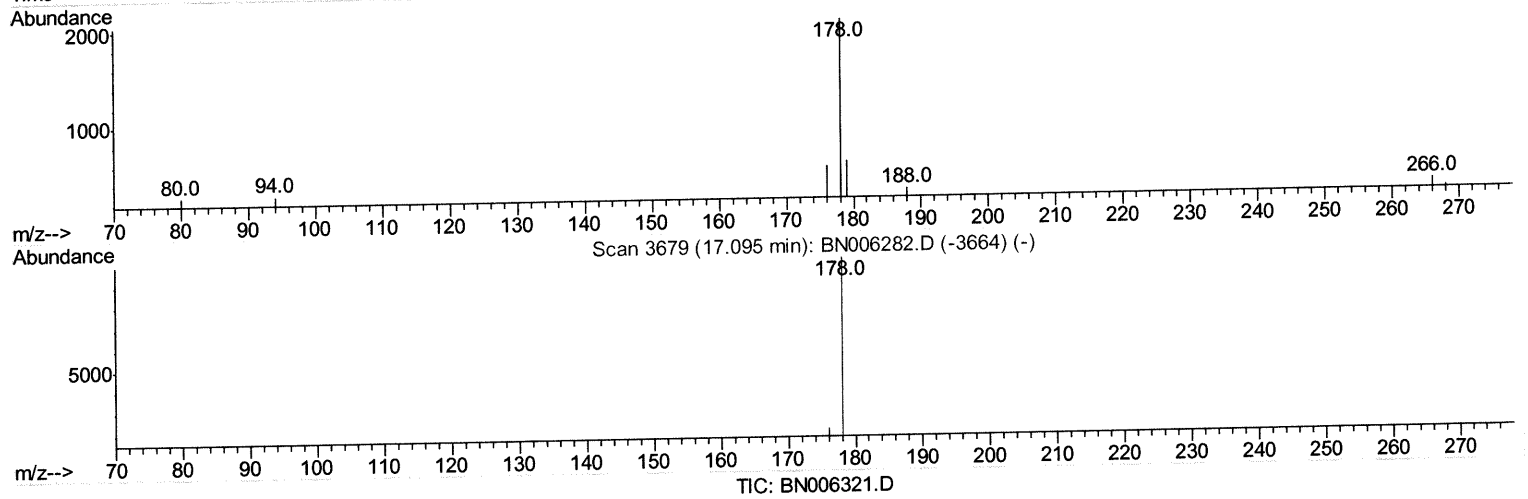
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:02:36 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM





Scan 3679 (17.095 min): BN006282.D (-3664) (-)

TIC: BN006321.D

(12) Phenanthrene

17.090min (-0.000) 0.04ng/ul m JU 06/19/19

response 2352

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	27.98#
176.00	19.10	25.39#
0.00	0.00	0.00

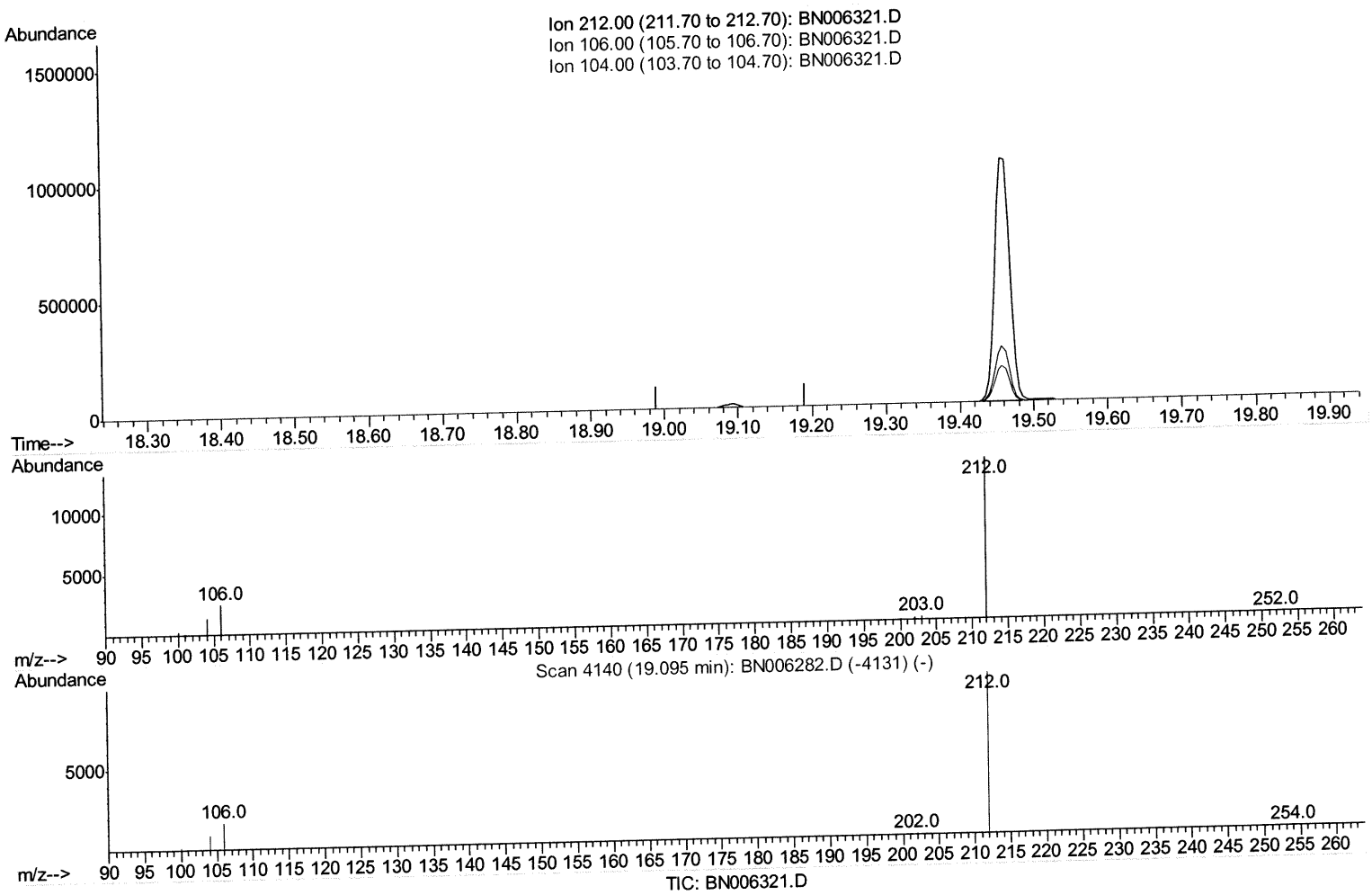
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:03:31 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM



(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

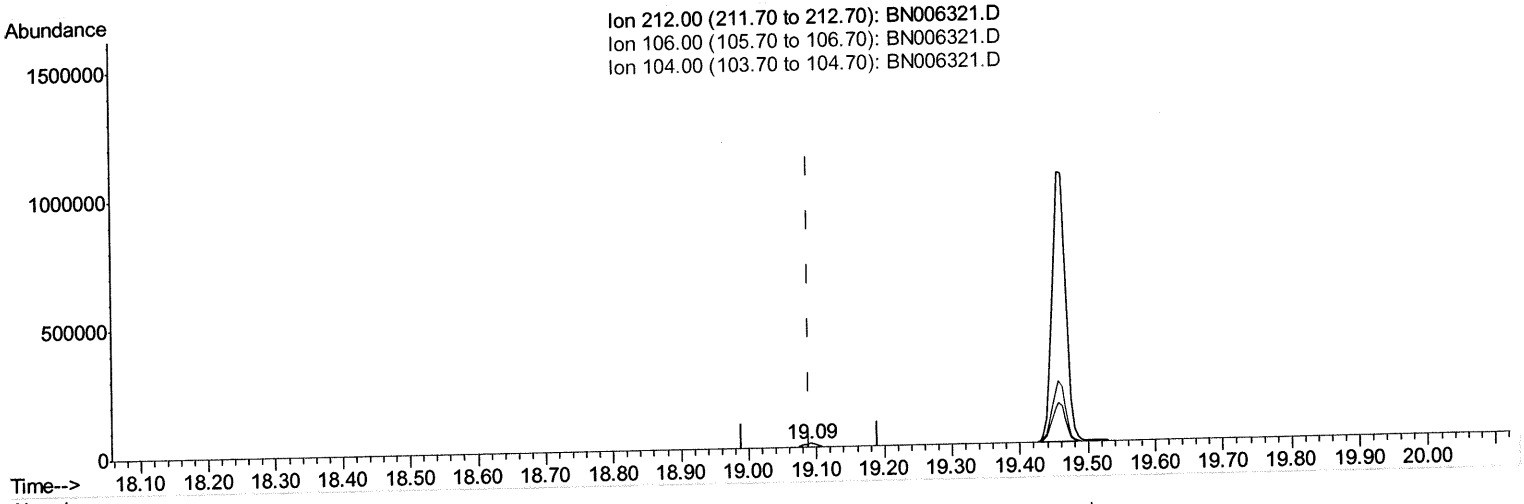
Quantitation Report (Qedit)

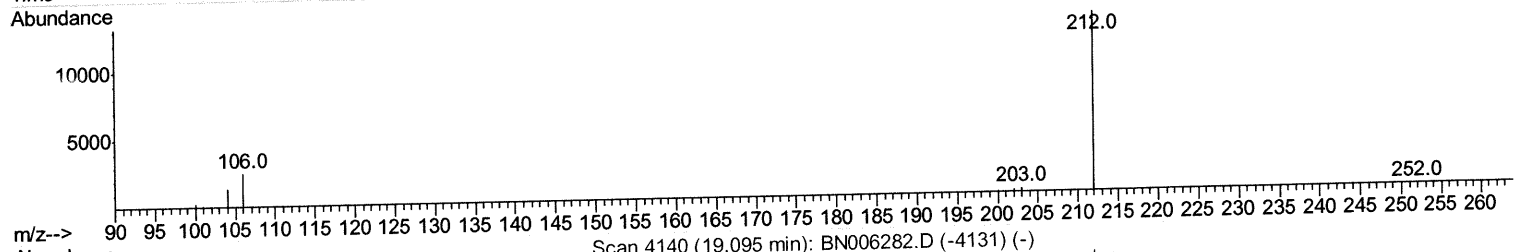
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:03:31 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

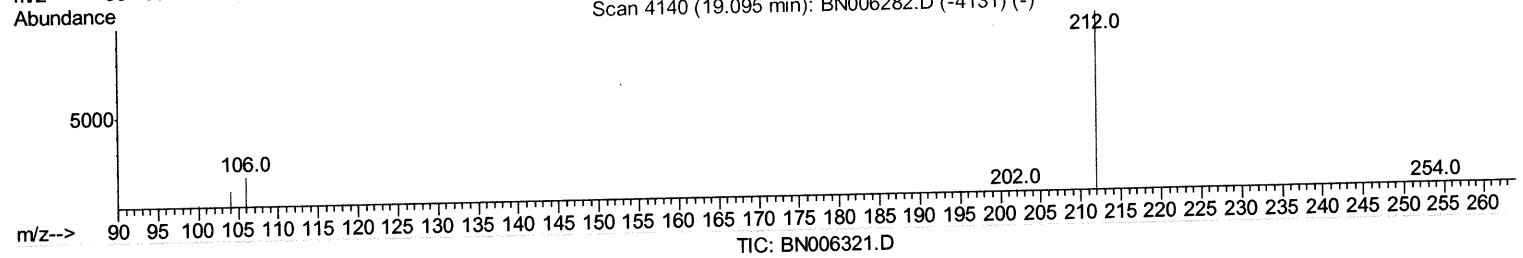
Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM





Scan 4140 (19.095 min): BN006282.D (-4131) (-)



TIC: BN006321.D

(14) Fluoranthene-d10 (SURR)

19.090min (-0.000) 0.41ng/ul m JU 06/19/19

response 18153

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

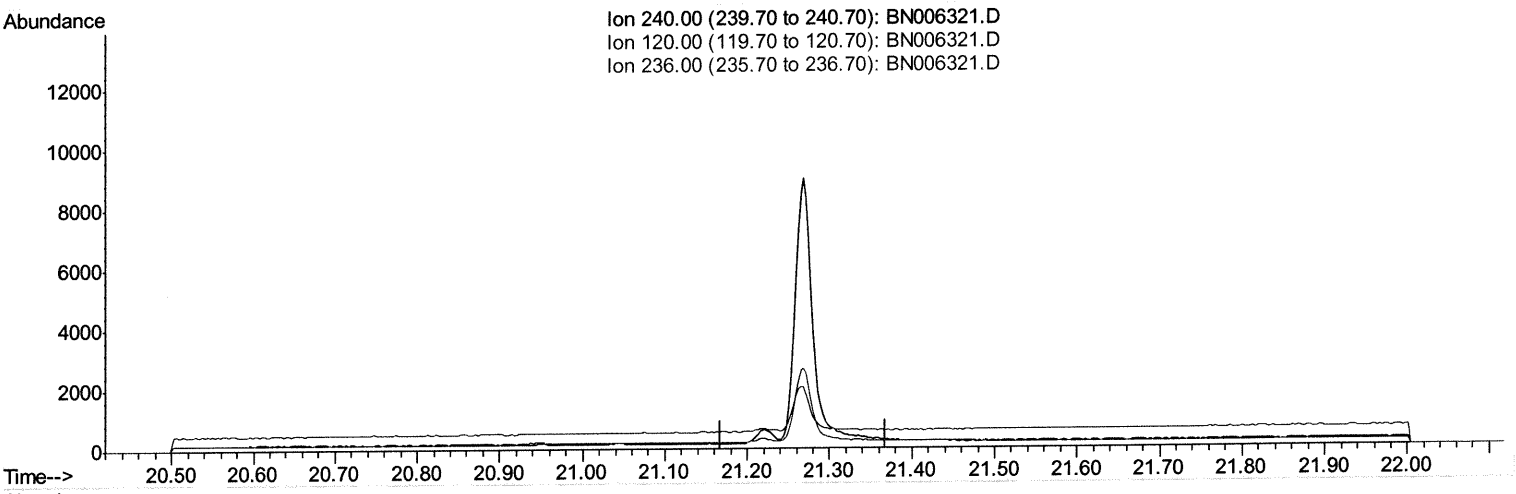
Quantitation Report (Qedit)

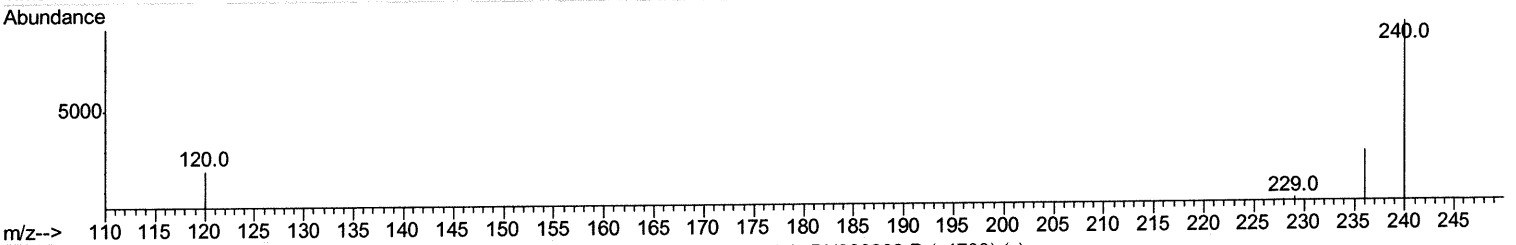
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:04:22 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

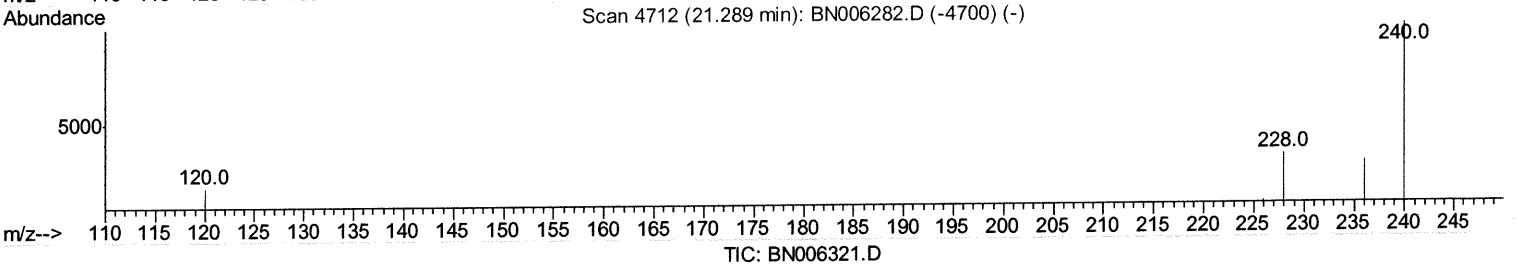
Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM





Scan 4712 (21.289 min): BN006282.D (-4700) (-)



TIC: BN006321.D

(16) Chrysene-d12 (I)

21.268min (-21.268) 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

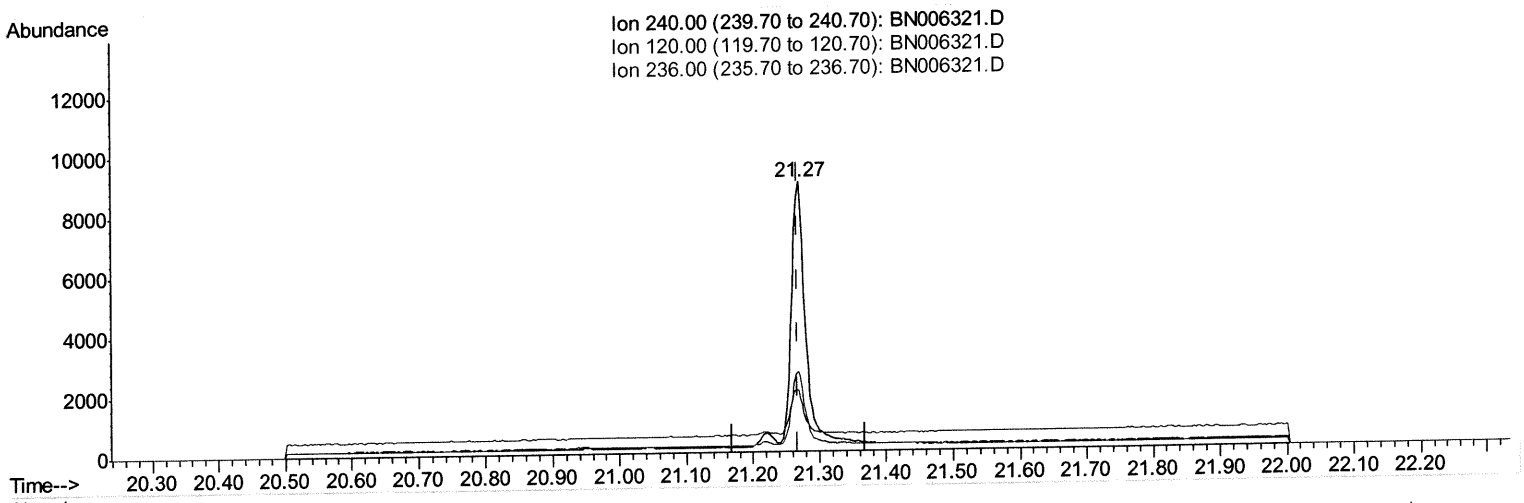
Quantitation Report (Qedit)

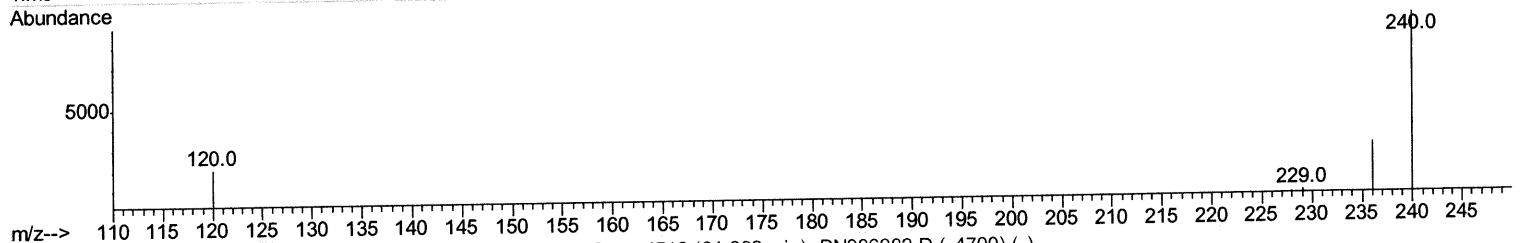
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:04:22 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

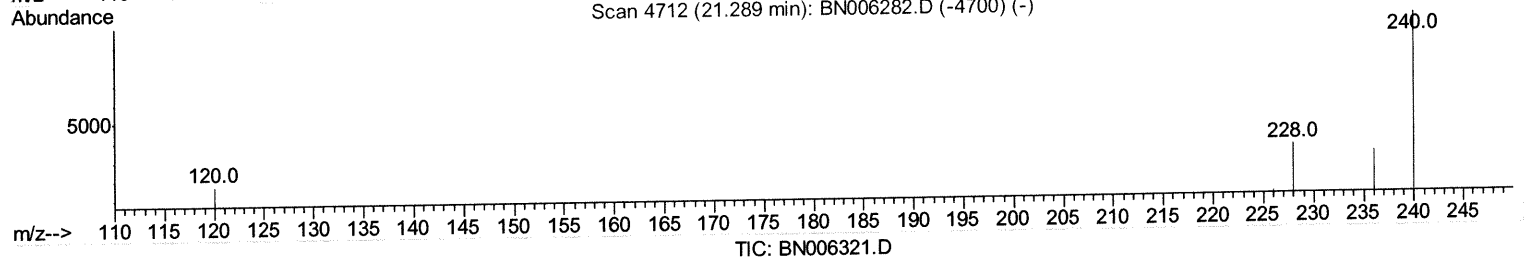
Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM





Scan 4712 (21.289 min): BN006282.D (-4700) (-)



TIC: BN006321.D

(16) Chrysene-d12 (I)

21.268min (-0.000) 0.40ng/ul m JU 06/19/19

response 12348

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	22.80
236.00	30.10	29.77
0.00	0.00	0.00

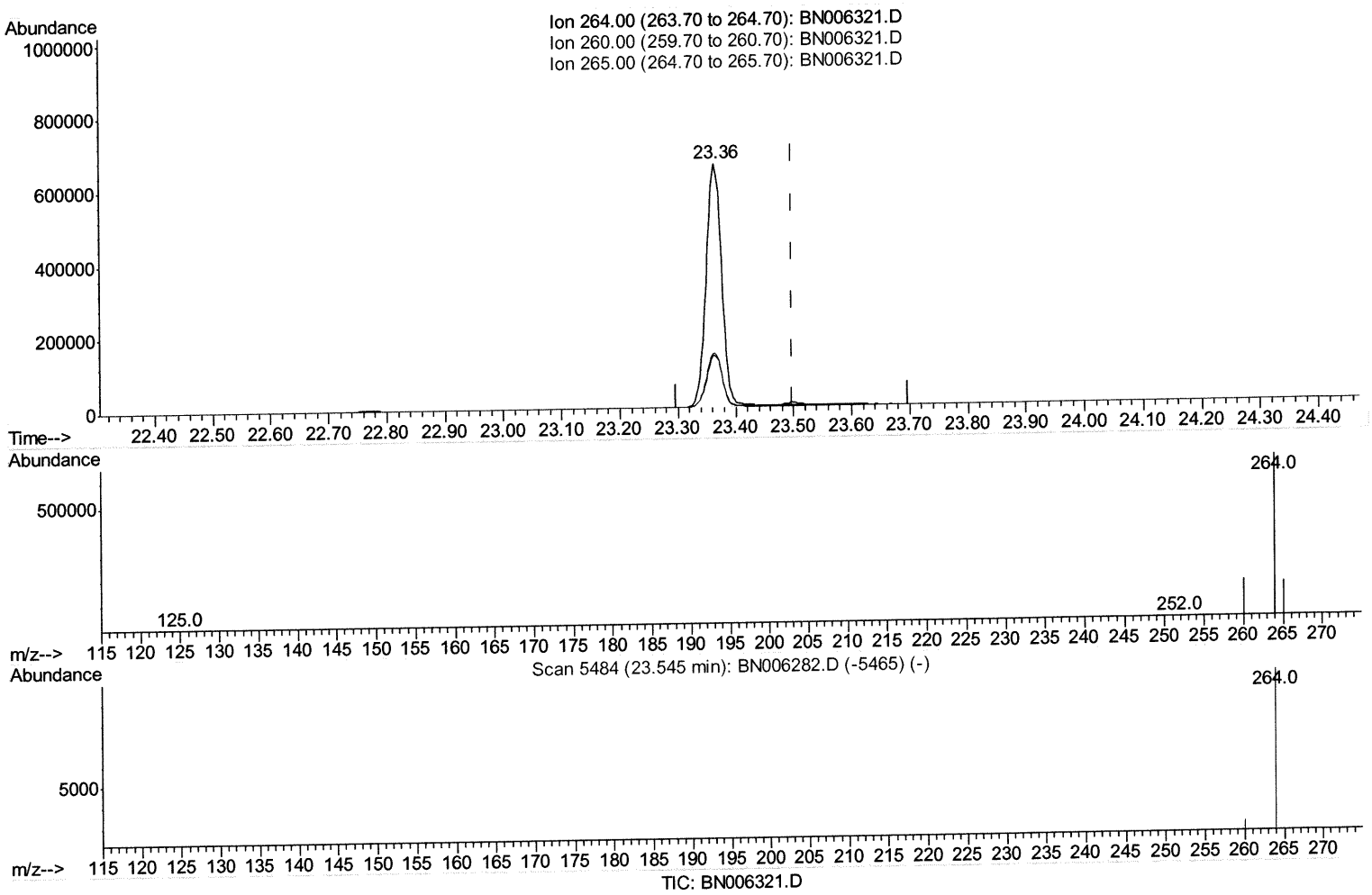
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 14 02:04:57 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM



Scan 5484 (23.545 min): BN006282.D (-5465) (-)

TIC: BN006321.D

(20) Perylene-d12 (I)

23.364min (-0.135) 0.40ng/ul

response 1235915

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	22.49#
265.00	44.70	21.48#
0.00	0.00	0.00

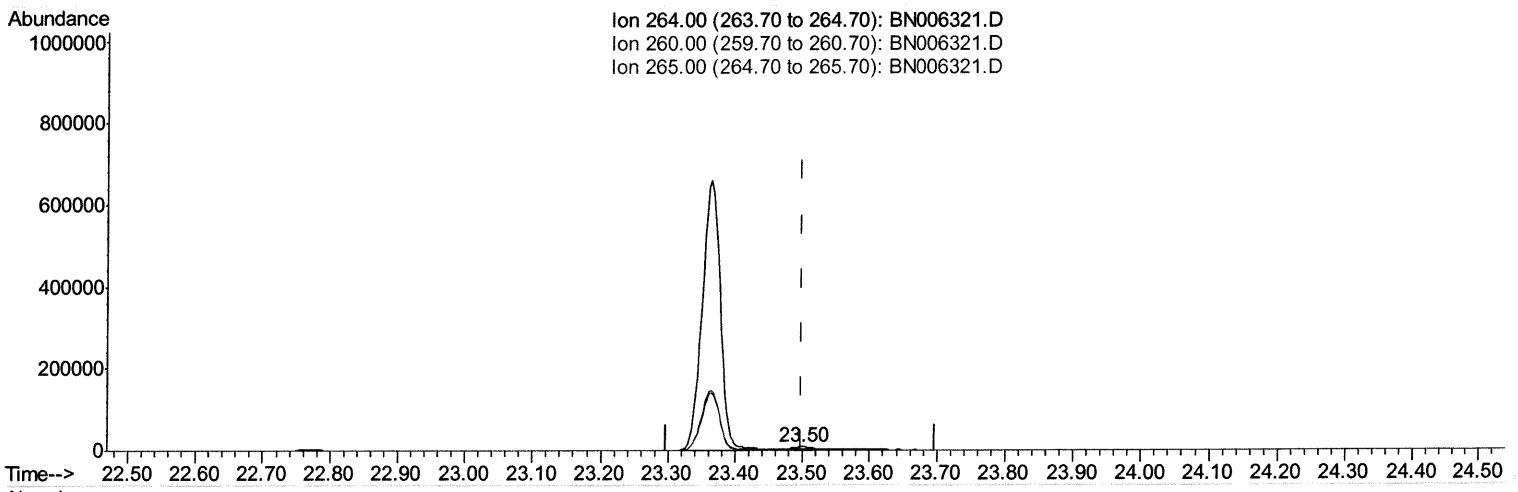
Quantitation Report (Qedit)

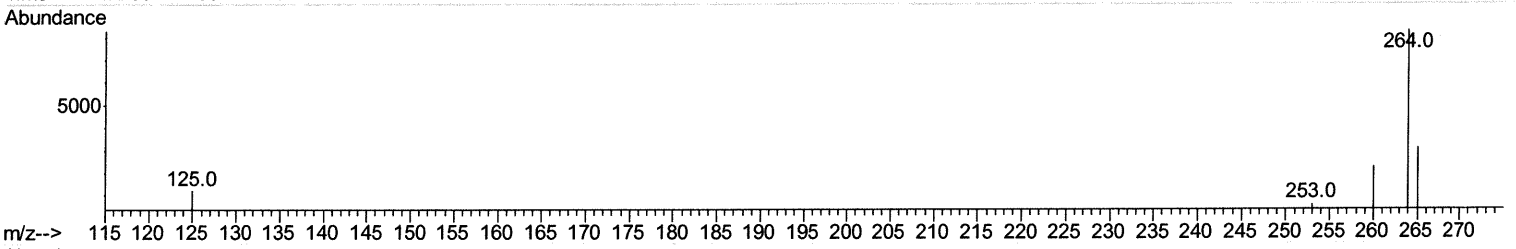
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

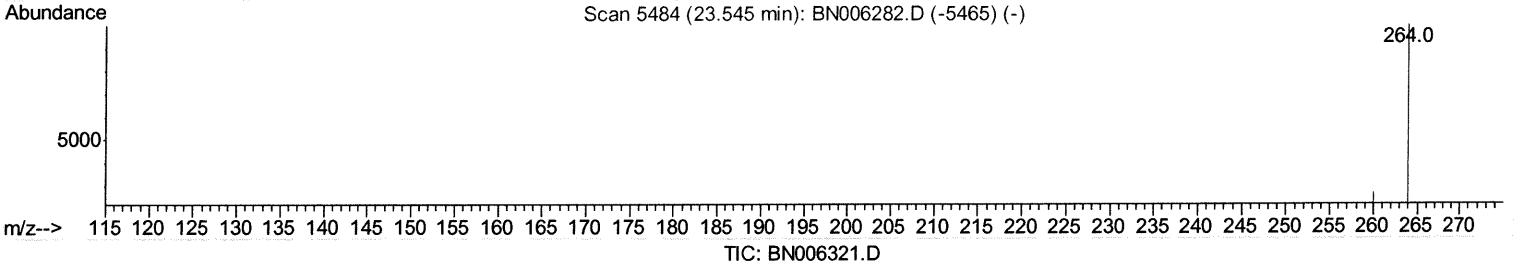
Quant Time: Jun 14 02:04:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM







(20) Perylene-d12 (I)

23.498min (-0.000) 0.40ng/ul m JU 06/14/19

response 11061

Ion	Exp%	Act%
264.00	100	100
260.00	29.20	26.94
265.00	44.70	37.24
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061319\
Data File : BN006321.D
Acq On : 13 Jun 2019 21:08
Operator : JU/SJ
Sample : K3213-15
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DB8K6

Manual Integrations APPROVED
mohammad
6/14/2019 8:49:37 AM

Quant Time: Jun 14 02:05:55 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 : Thu Jun 13 11:20:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	4244	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15932	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	8606	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	16428m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	12348m>	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	11061m>	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	7356	0.30	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	18153m>	0.41	ng/ul	0.00
Target Compounds						Qvalue
9) Fluorene	15.35	166	1677	0.043	ng/ul#	81
11) Pentachlorophenol	16.71	266	128553m>	30.796	ng/ul	
12) Phenanthrene	17.09	178	2352m>	0.045	ng/ul	

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