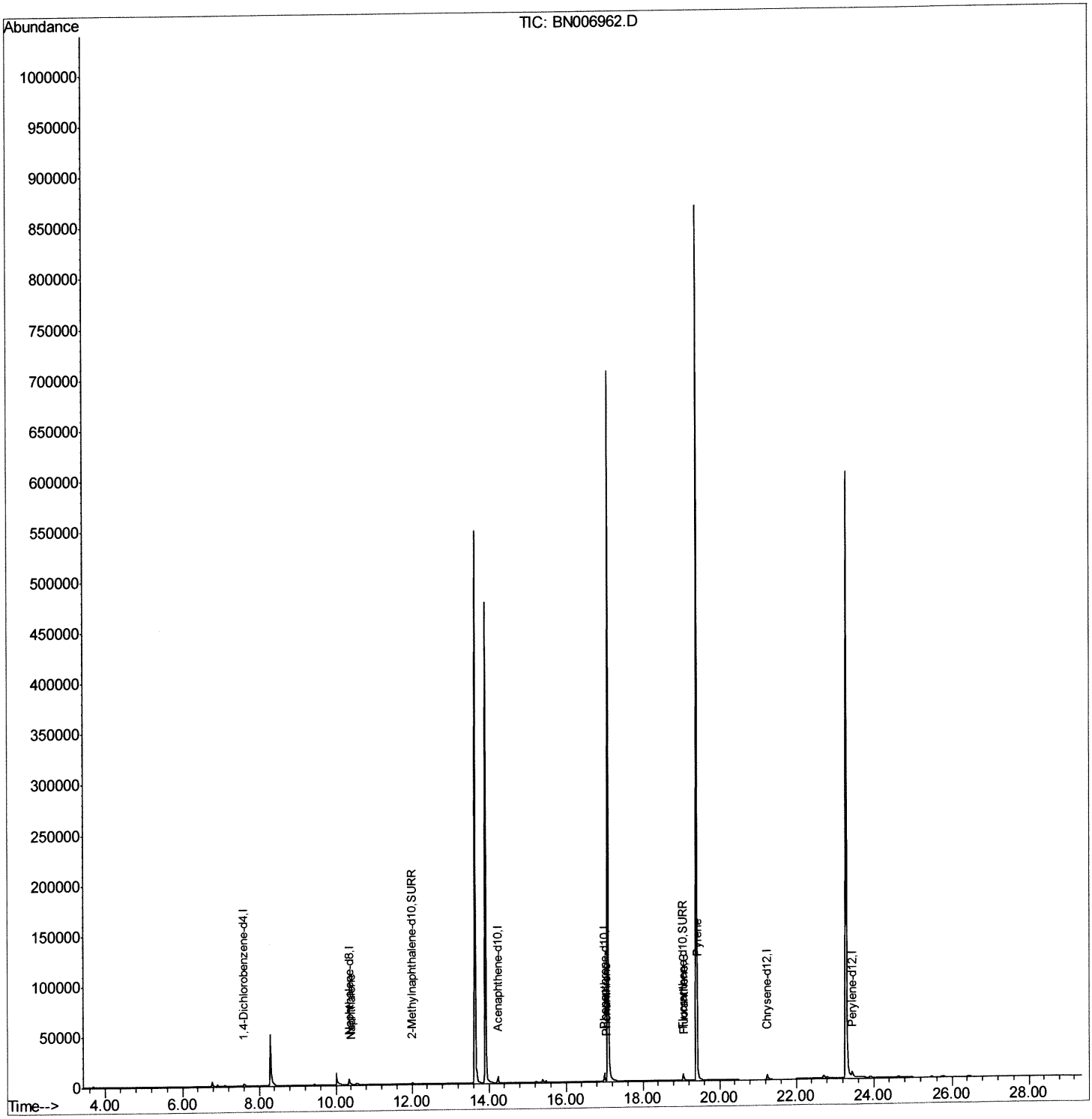
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
Data File : BN006962.D
Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 07:23:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



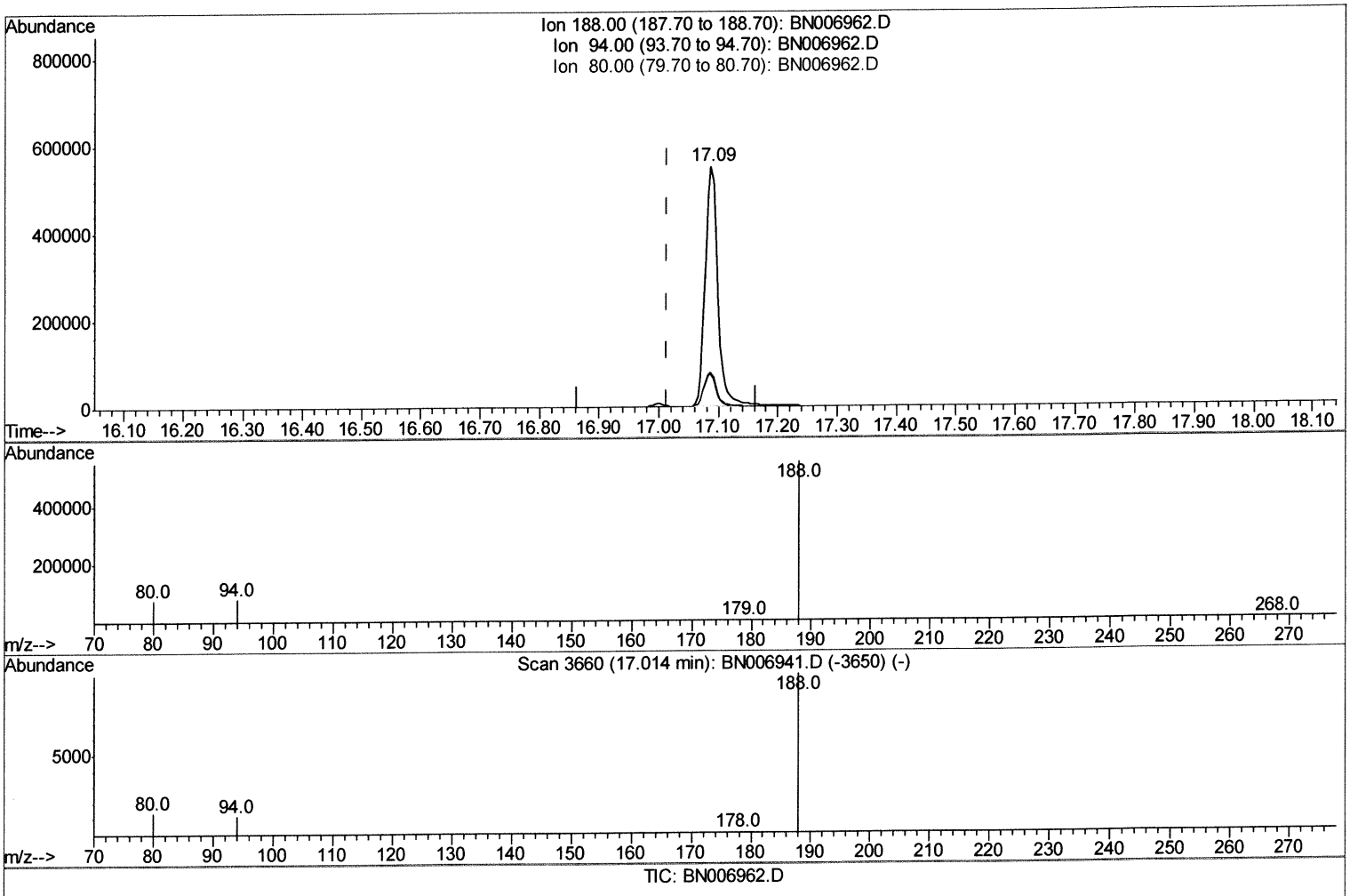
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
Data File : BN006962.D
Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 06:30:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(10) Phenanthrene-d10 (I)

17.086min (+0.072) 0.40ng/ul

response 810545

Ion	Exp%	Act%
188.00	100	100
94.00	13.70	14.24
80.00	14.80	13.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
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Acq On : 23 Jul 2019 05:15
Operator : HP/JU
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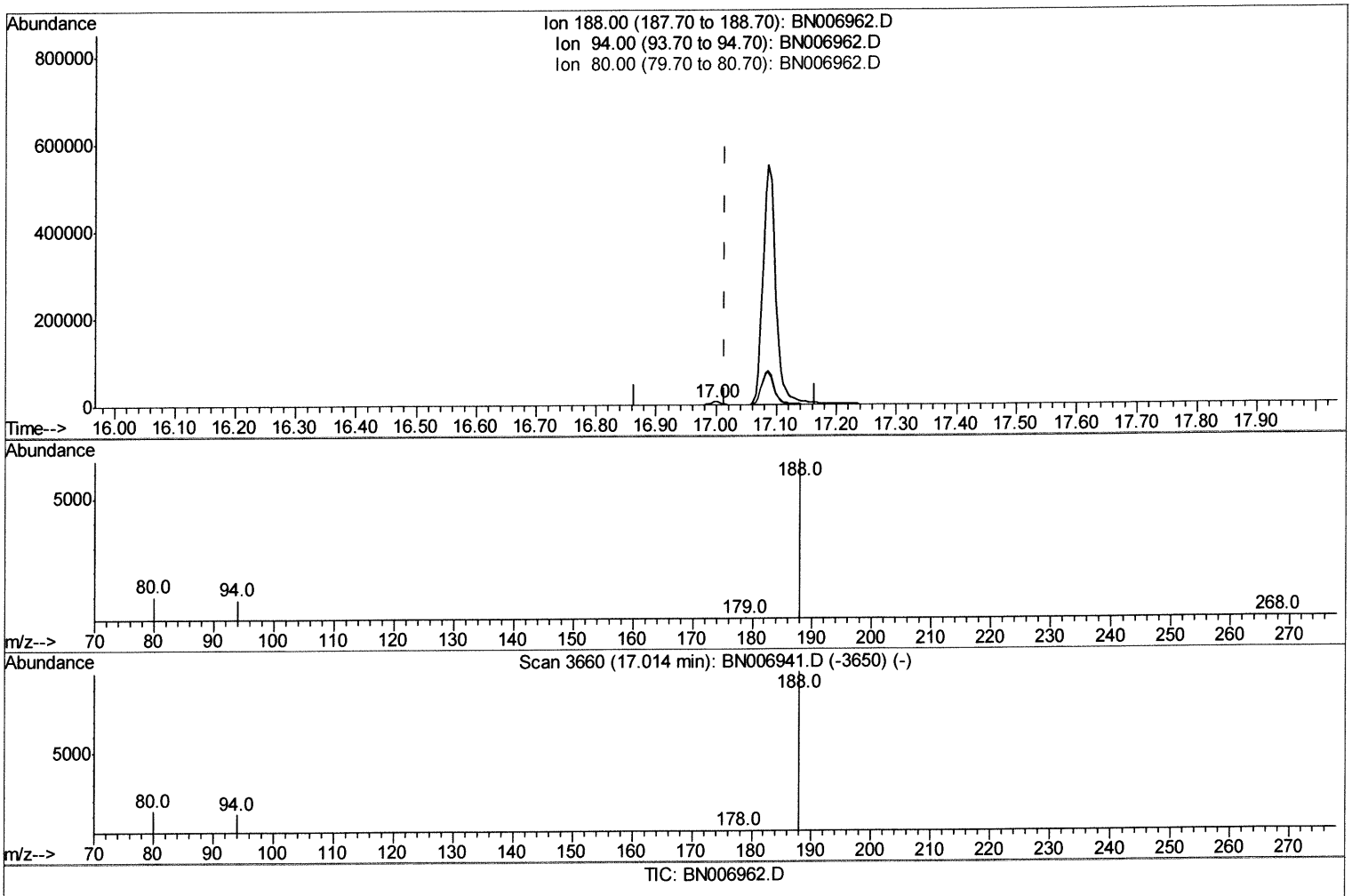
Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(10) Phenanthrene-d10 (I)

16.998min (-0.017) 0.40ng/ul m JU 07/23/19

response 9060

Ion	Exp%	Act%
188.00	100	100
94.00	13.70	13.18
80.00	14.80	15.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
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Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 07:21:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
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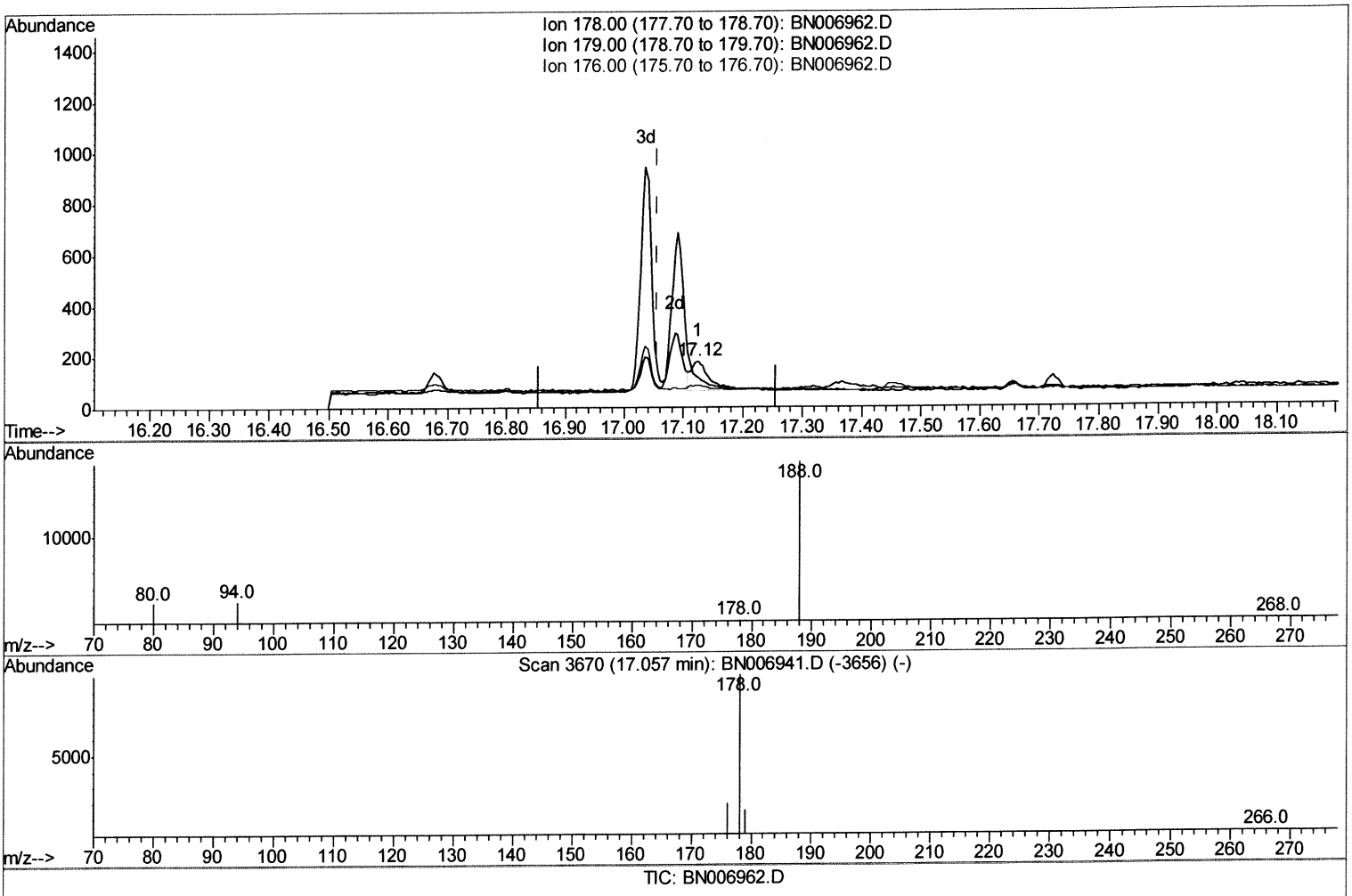
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(12) Phenanthrene

17.124min (+0.068) 0.01ng/ul

response 232

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	62.64#
176.00	19.80	47.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
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Acq On : 23 Jul 2019 05:15
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Quant Time: Jul 23 07:21:17 2019
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QLast Update : Tue Jul 23 04:26:14 2019
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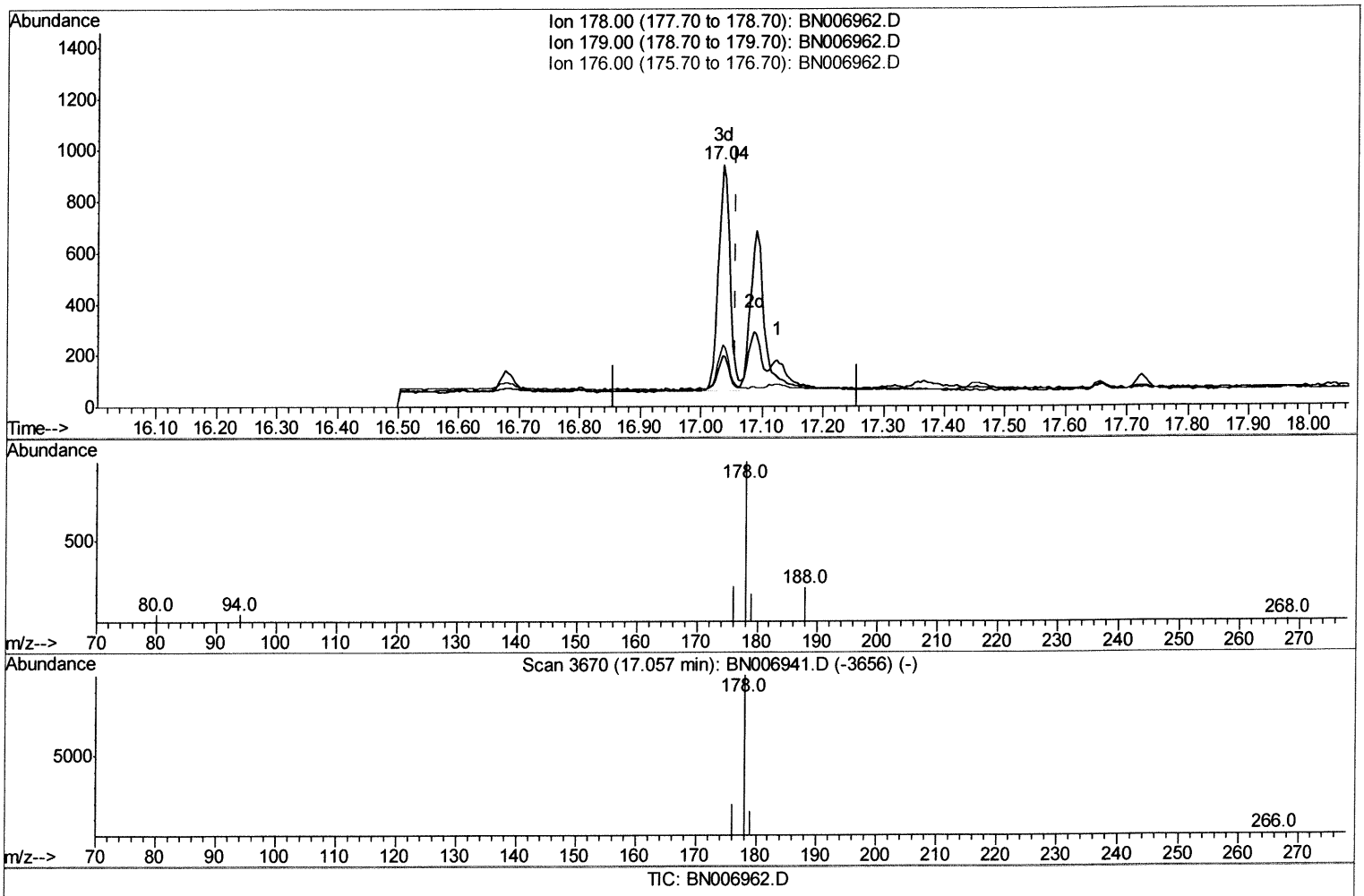
Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(12) Phenanthrene

17.036min (-0.021) 0.04ng/ul m JU 07/23/19

response 1150

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	21.13#
176.00	19.80	25.69#
0.00	0.00	0.00

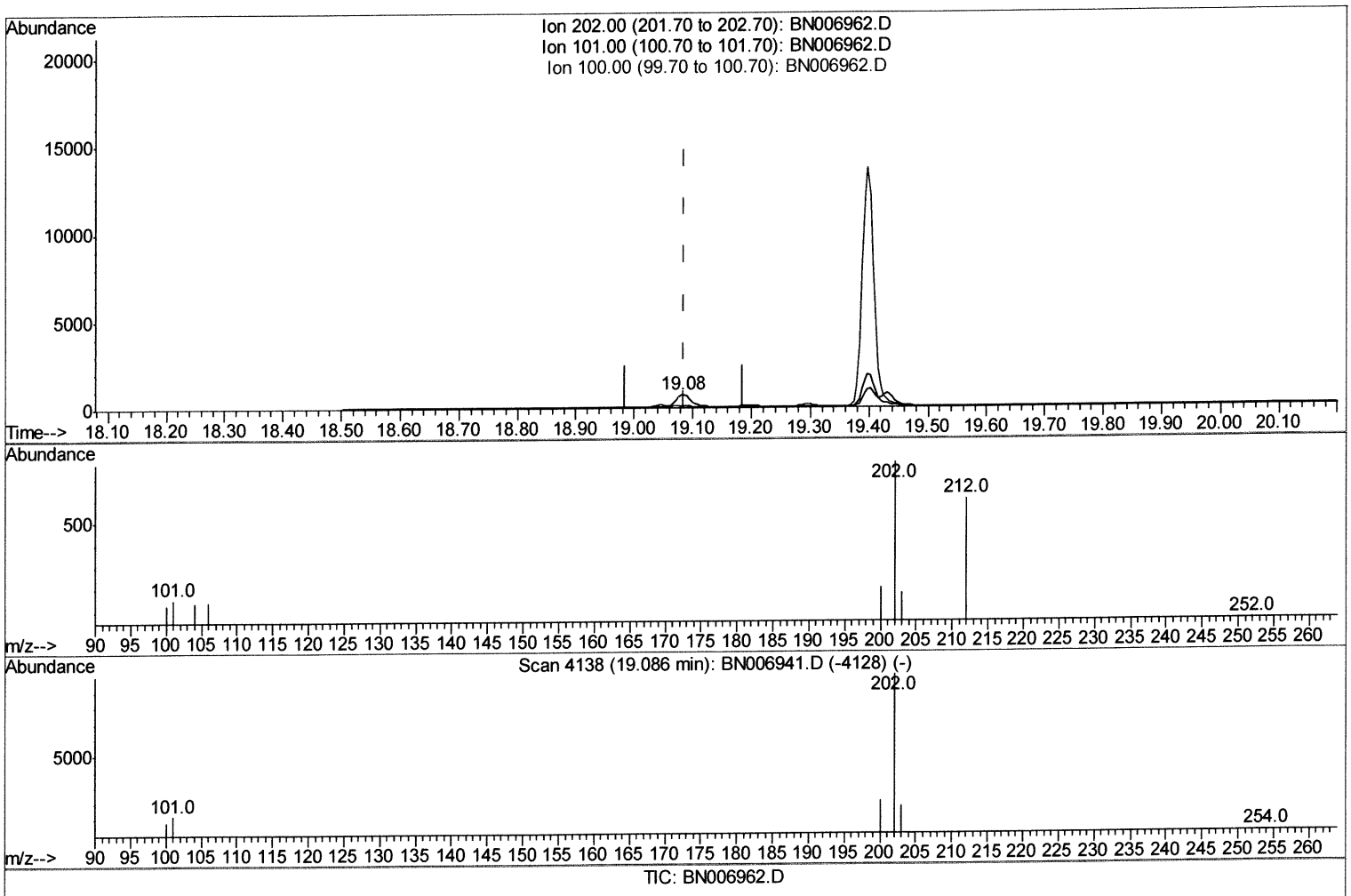
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
Data File : BN006962.D
Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 07:21:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(15) Fluoranthene (C)

19.081min (-0.005) 0.03ng/ul

response 912

Ion	Exp%	Act%
202.00	100	100
101.00	13.20	20.08
100.00	9.90	16.95
0.00	0.00	0.00

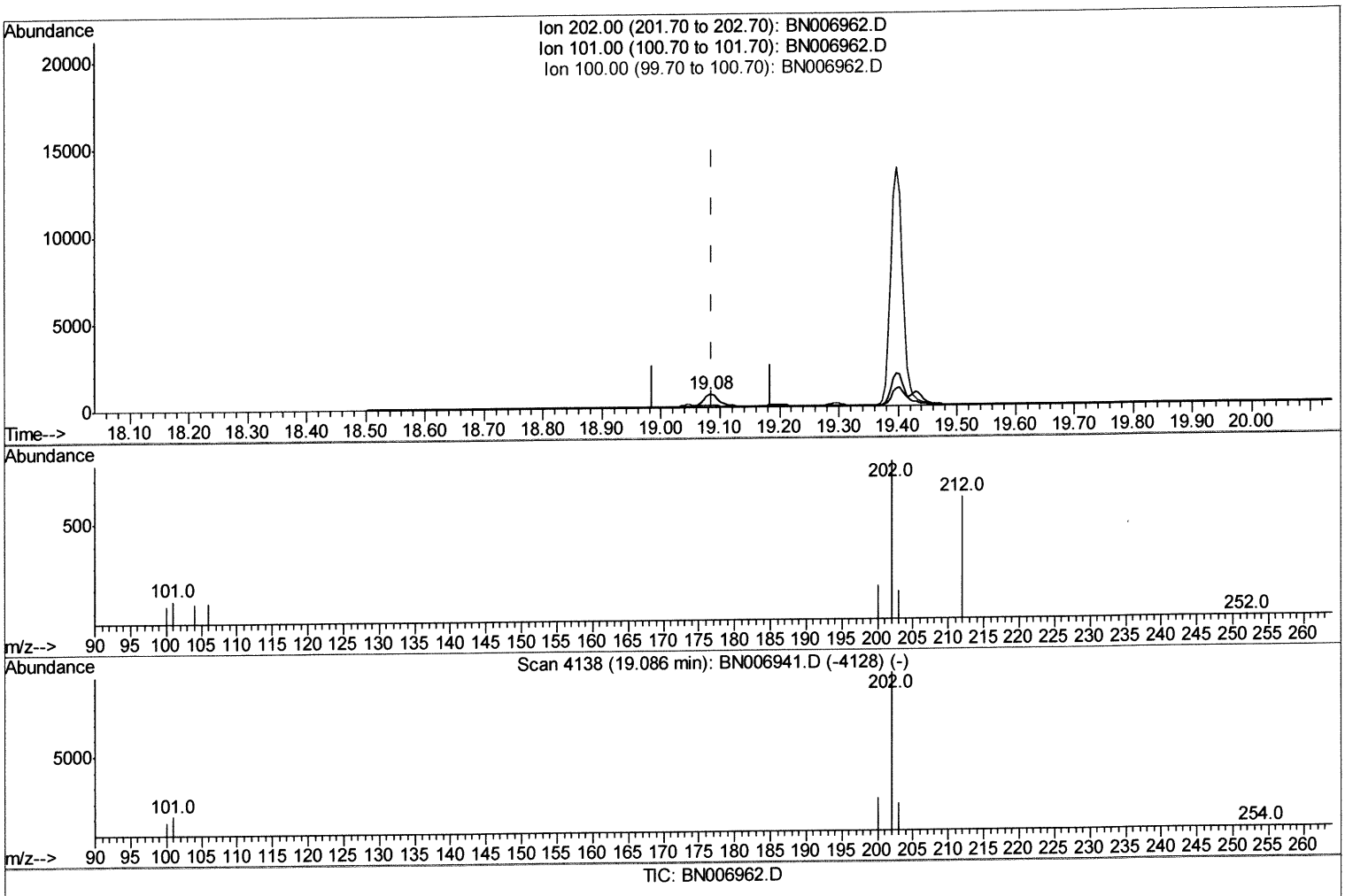
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
Data File : BN006962.D
Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 07:21:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(15) Fluoranthene (C)

19.081min (-0.005) 0.04ng/ul m JV 07/23/19

response 1313

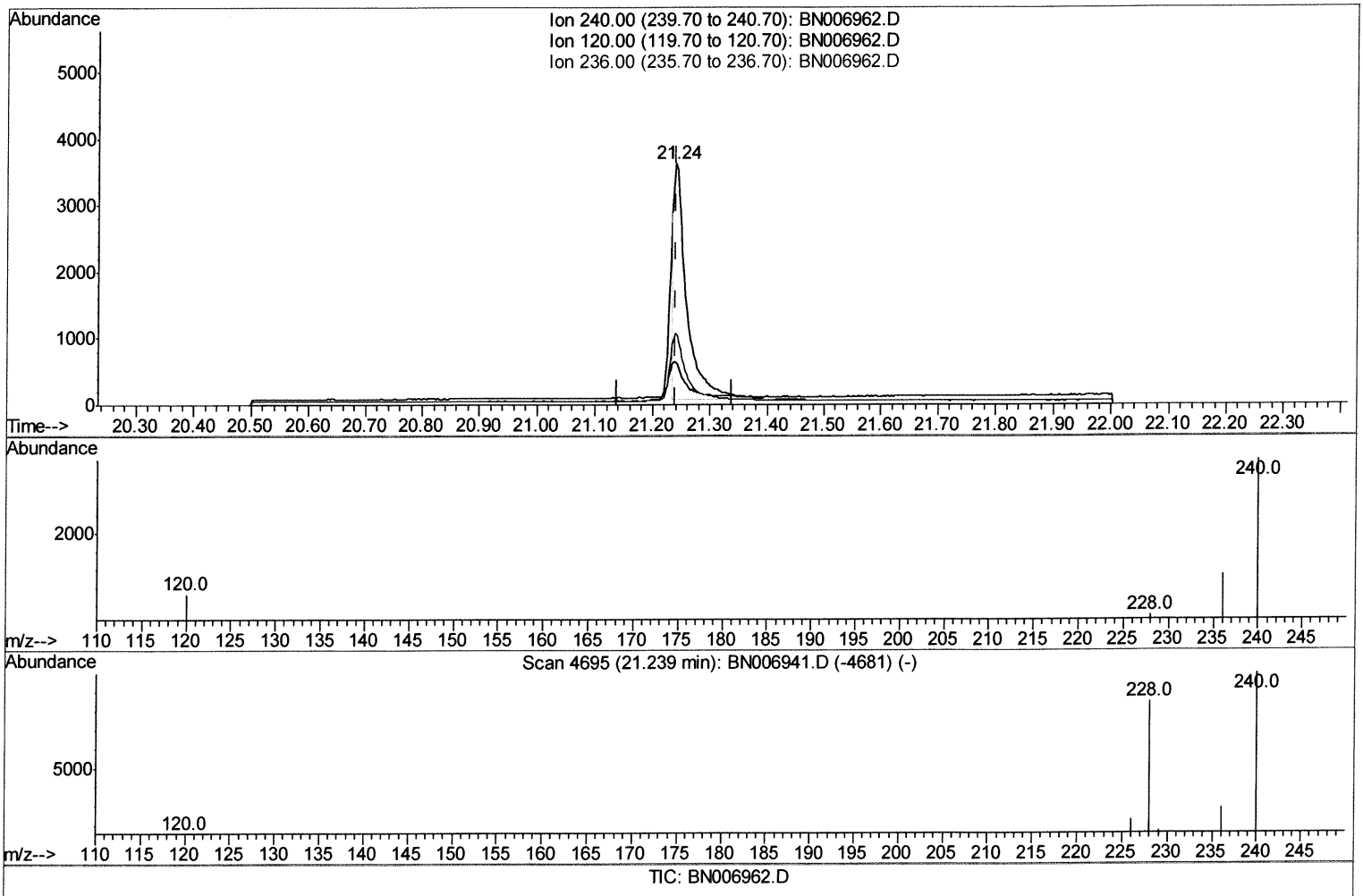
Ion	Exp%	Act%
202.00	100	100
101.00	13.20	20.08
100.00	9.90	16.95
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
Data File : BN006962.D
Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 07:21:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(16) Chrysene-d12 (I)

21.239min (+0.000) 0.40ng/ul

response 5590

Ion	Exp%	Act%
240.00	100	100
120.00	20.20	17.91
236.00	30.00	29.64
0.00	0.00	0.00

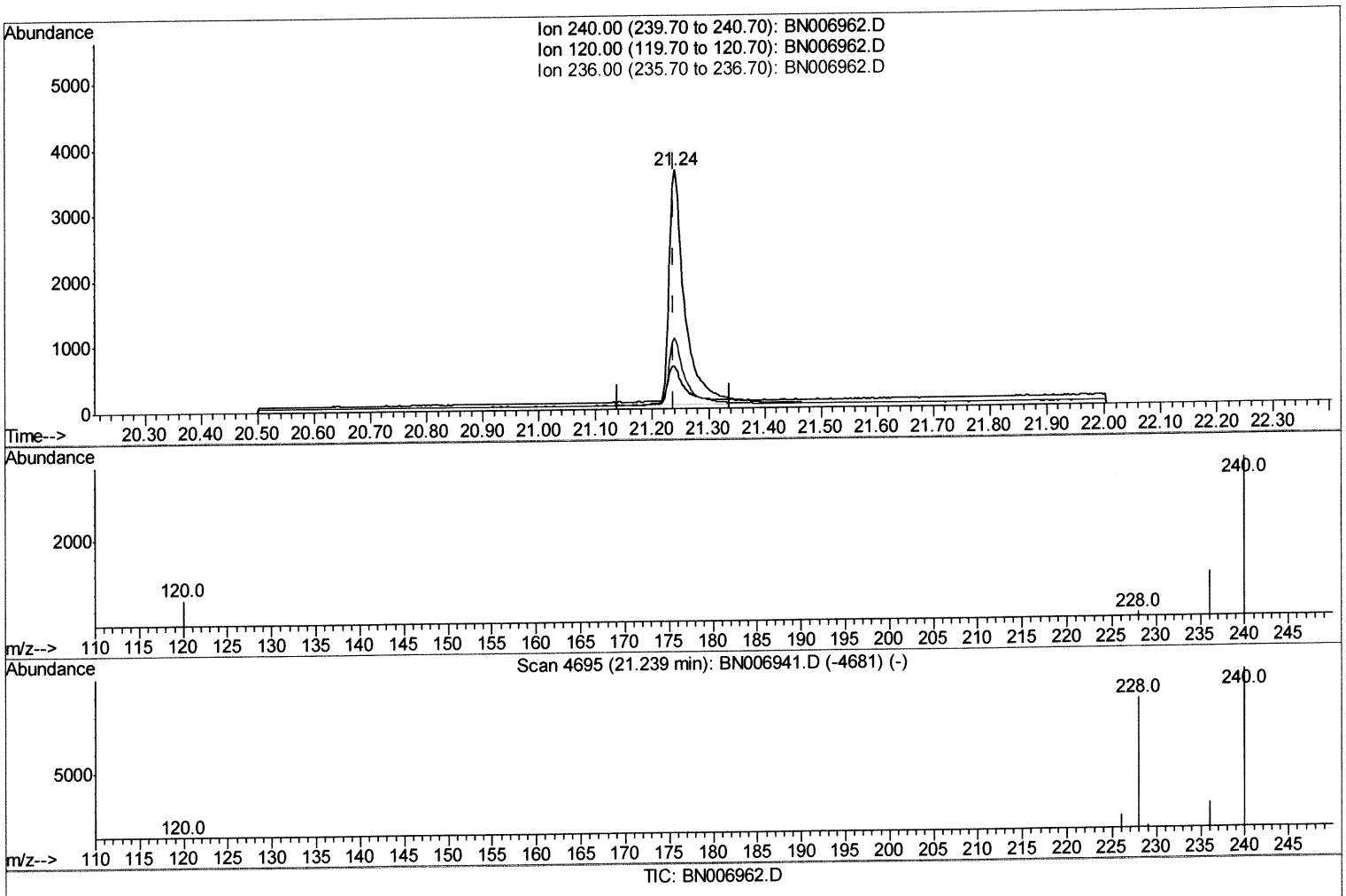
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
Data File : BN006962.D
Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 07:21:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 23 04:26:14 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(16) Chrysene-d12 (I)

21.239min (+0.000) 0.40ng/ul m JU 07/23/19

response 7013

Ion	Exp%	Act%
240.00	100	100
120.00	20.20	17.91
236.00	30.00	29.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
Data File : BN006962.D
Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 07:22:49 2019
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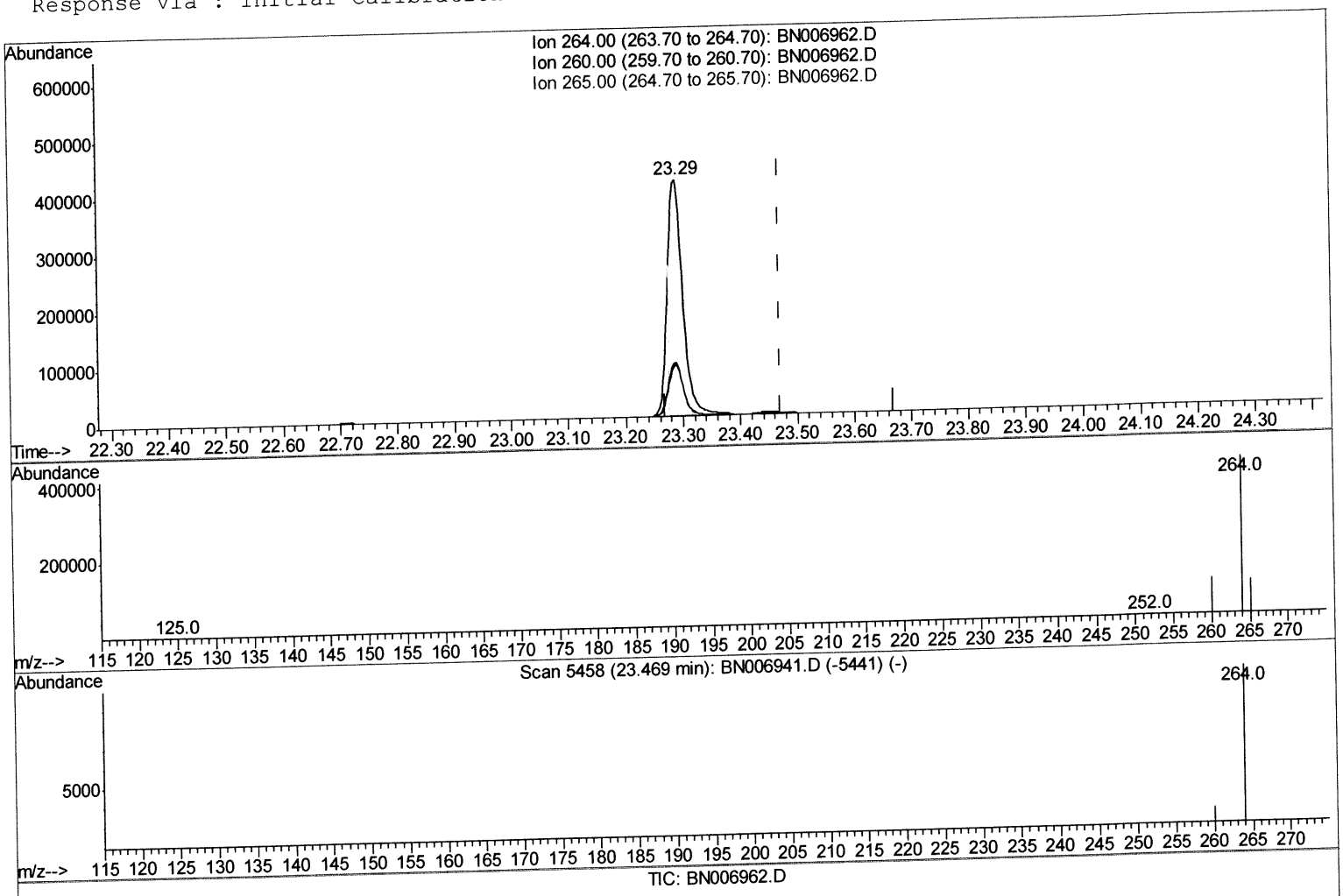
Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



TIC: BN006962.D

(20) Perylene-d12 (I)

23.288min (-0.181) 0.40ng/ul

response 627762

Ion	Exp%	Act%
264.00	100	100
260.00	27.80	22.67
265.00	36.10	21.62#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072219\
Data File : BN006962.D
Acq On : 23 Jul 2019 05:15
Operator : HP/JU
Sample : K3890-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 23 07:22:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
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QLast Update : Tue Jul 23 04:26:14 2019
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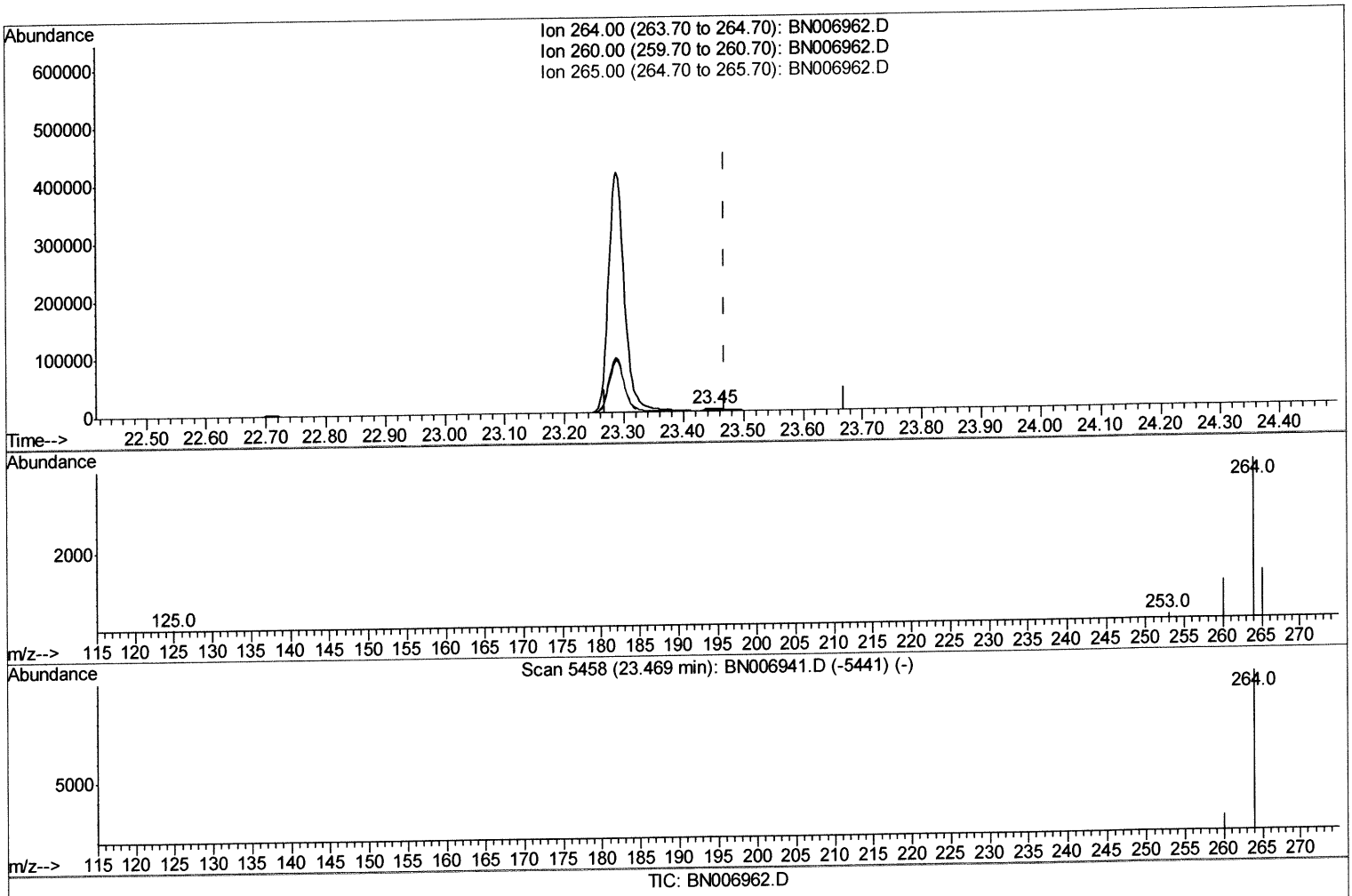
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM



(20) Perylene-d12 (I)

23.449min (-0.020) 0.40ng/ul m JU 07/23/19

response 5534

Ion	Exp%	Act%
264.00	100	100
260.00	27.80	26.59
265.00	36.10	32.60
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Instrument :
BNA_N
ClientSampleId :
A52Q6

Manual Integrations APPROVED
mohammad
7/23/2019 8:42:49 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2392	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.35	136	8646	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.24	164	4338	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	9060m>	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	7013m>	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	5534m>	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	3189	0.24	ng/ul	0.02
14) Fluoranthene-d10	19.05	212	6623	0.25	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.40	128	1048	0.042	ng/ul#	73
12) Phenanthrene	17.04	178	1150m>	0.039	ng/ul	
15) Fluoranthene	19.08	202	1313m>	0.036	ng/ul	
17) Pyrene	19.43	202	1106	0.035	ng/ul#	35

JU 07/23/19

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