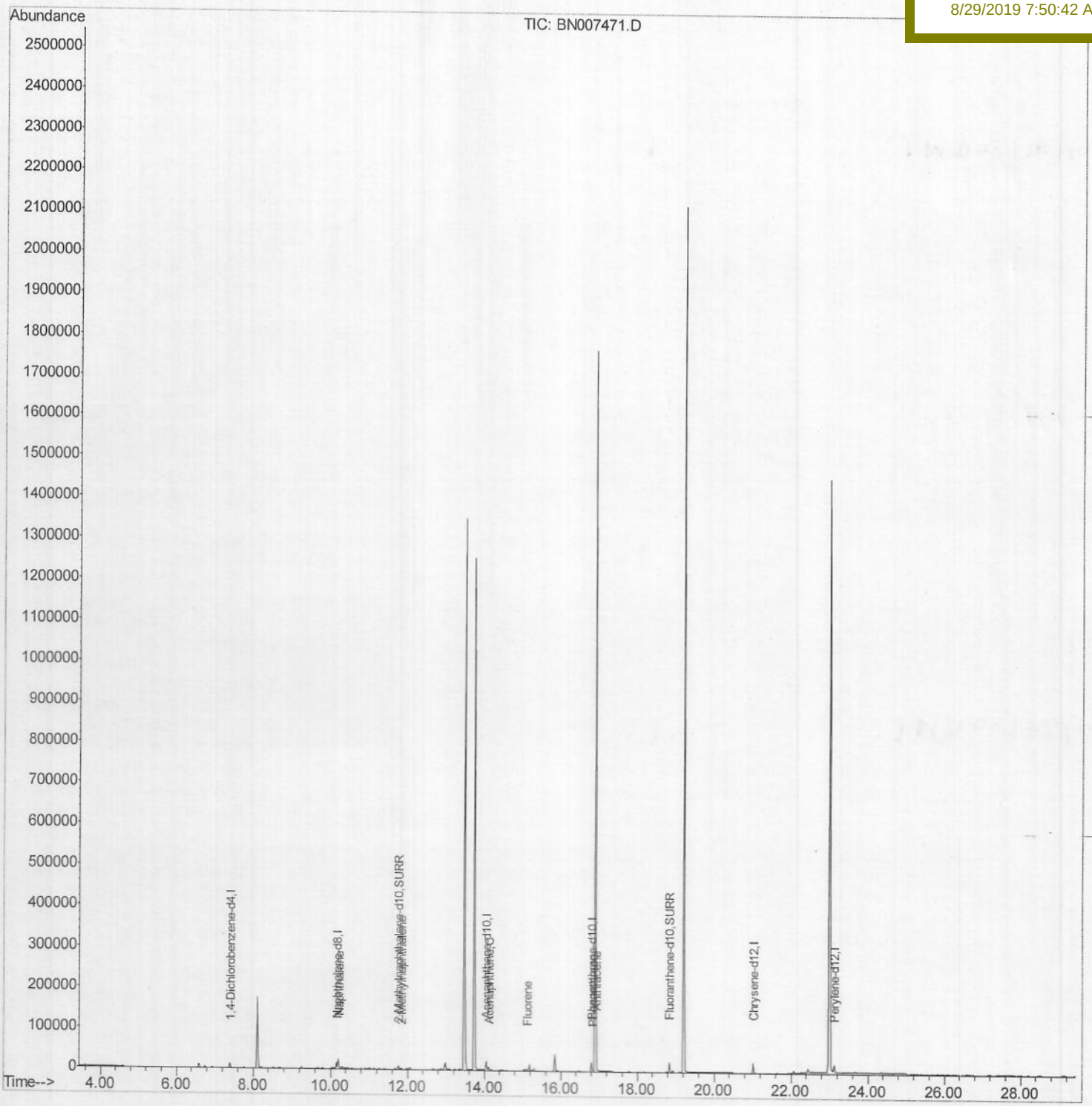
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:36:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



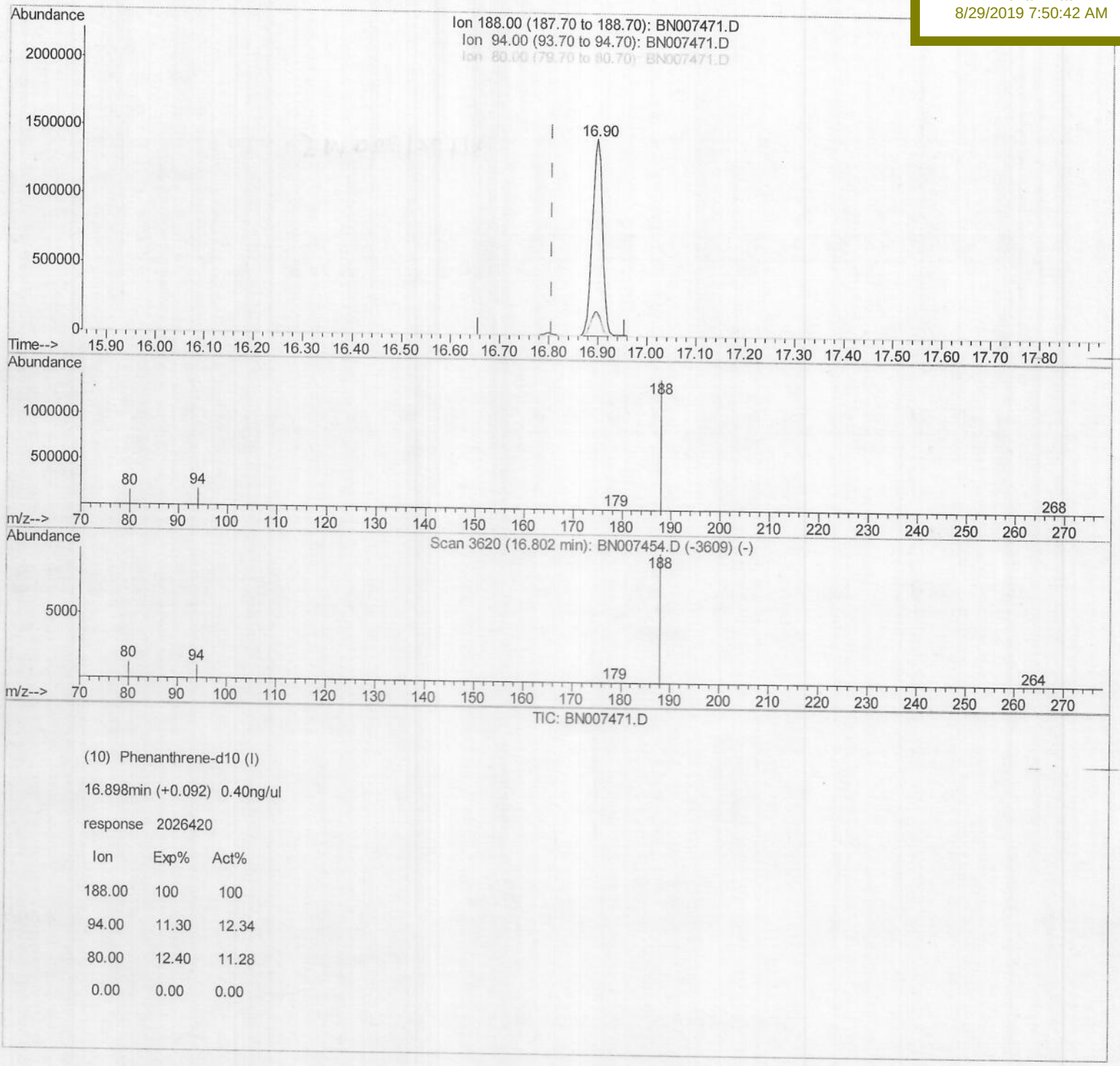
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:33:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



(10) Phenanthrene-d10 (I)

16.898min (+0.092) 0.40ng/ul

response 2026420

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	12.34
80.00	12.40	11.28
0.00	0.00	0.00

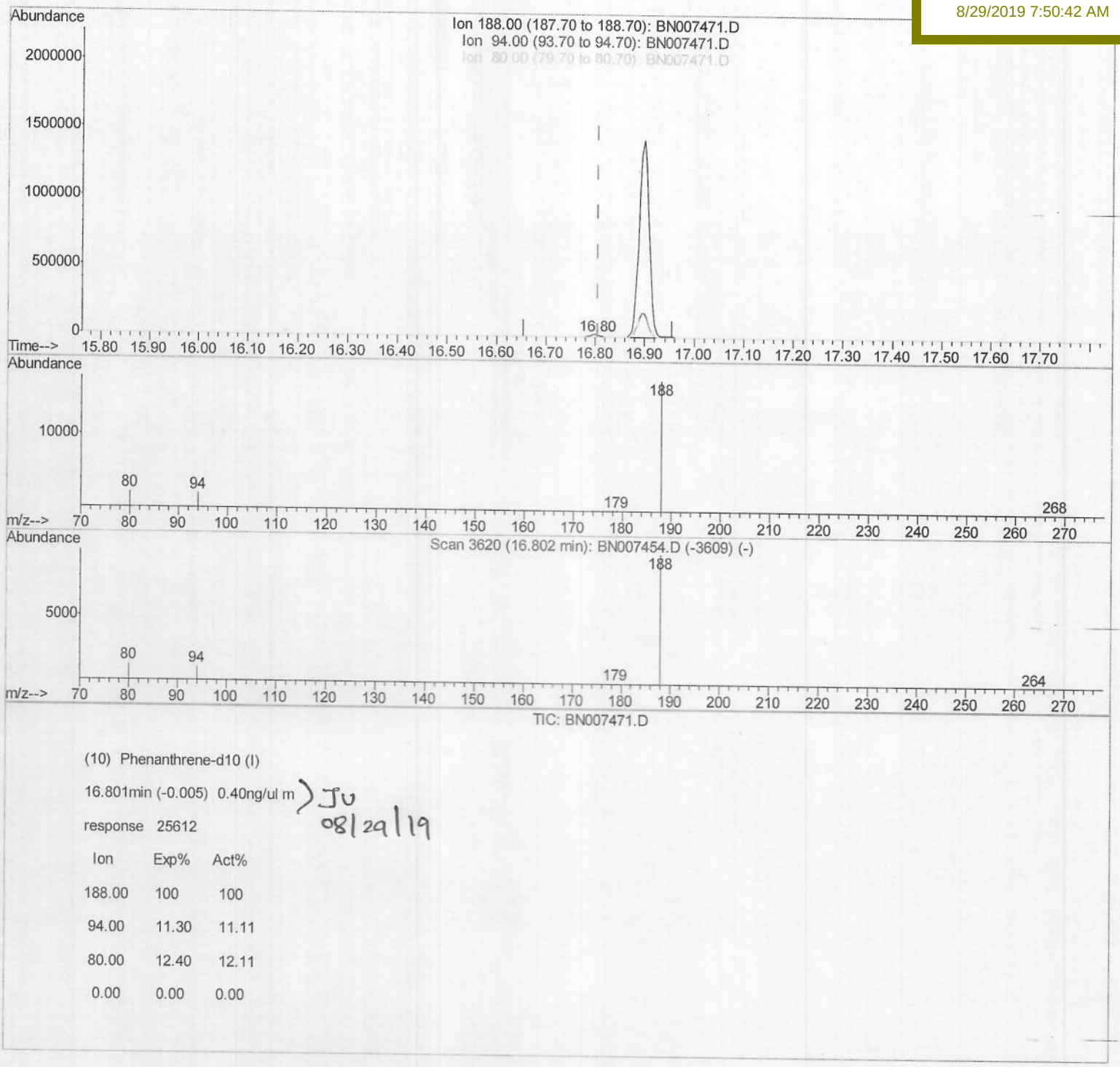
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:33:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



(10) Phenanthrene-d10 (I)

16.801min (-0.005) 0.40ng/ul m

response 25612

JU 08/29/19

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	11.11
80.00	12.40	12.11
0.00	0.00	0.00

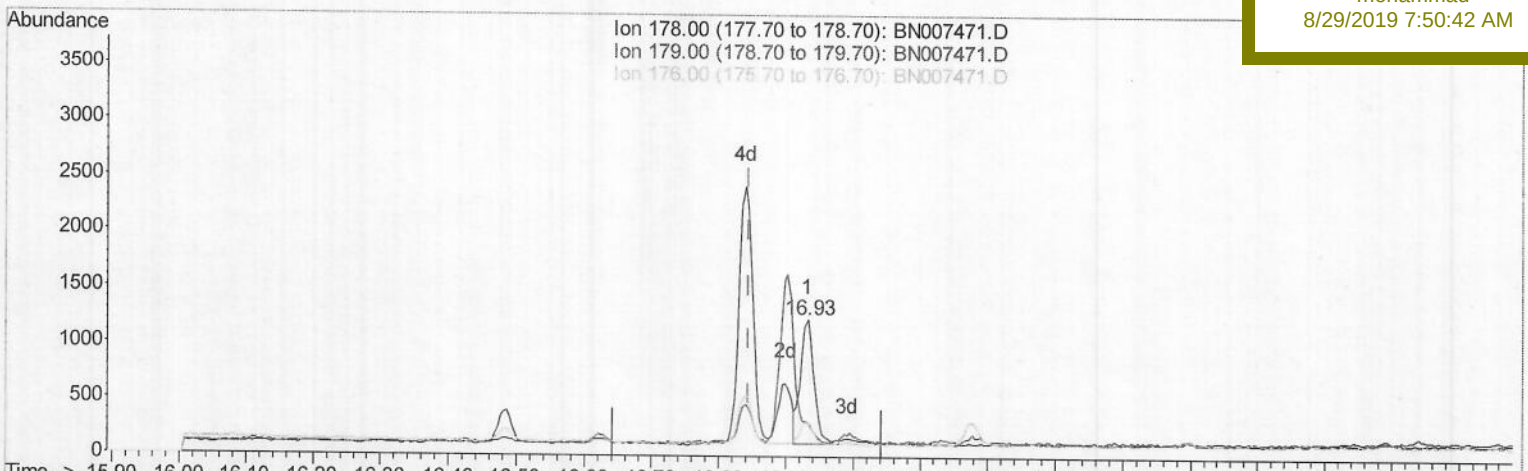
Quantitation Report (Qedit)

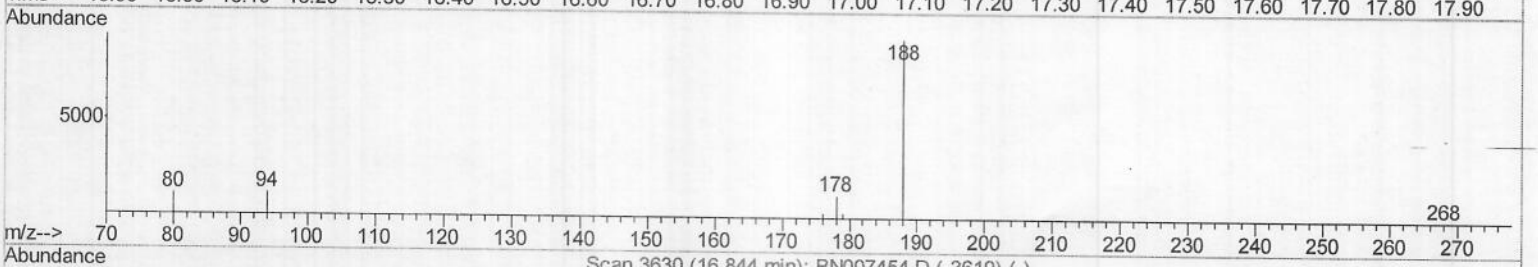
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

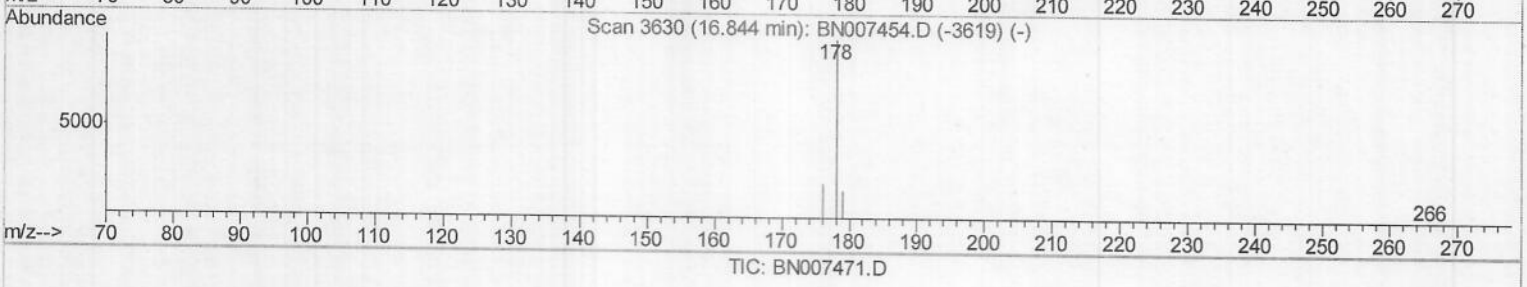
Quant Time: Aug 28 17:34:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM







TIC: BN007471.D

(12) Phenanthrene

16.932min (+0.088) 0.02ng/ul

response 1580

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	25.04#
176.00	19.00	24.96#
0.00	0.00	0.00

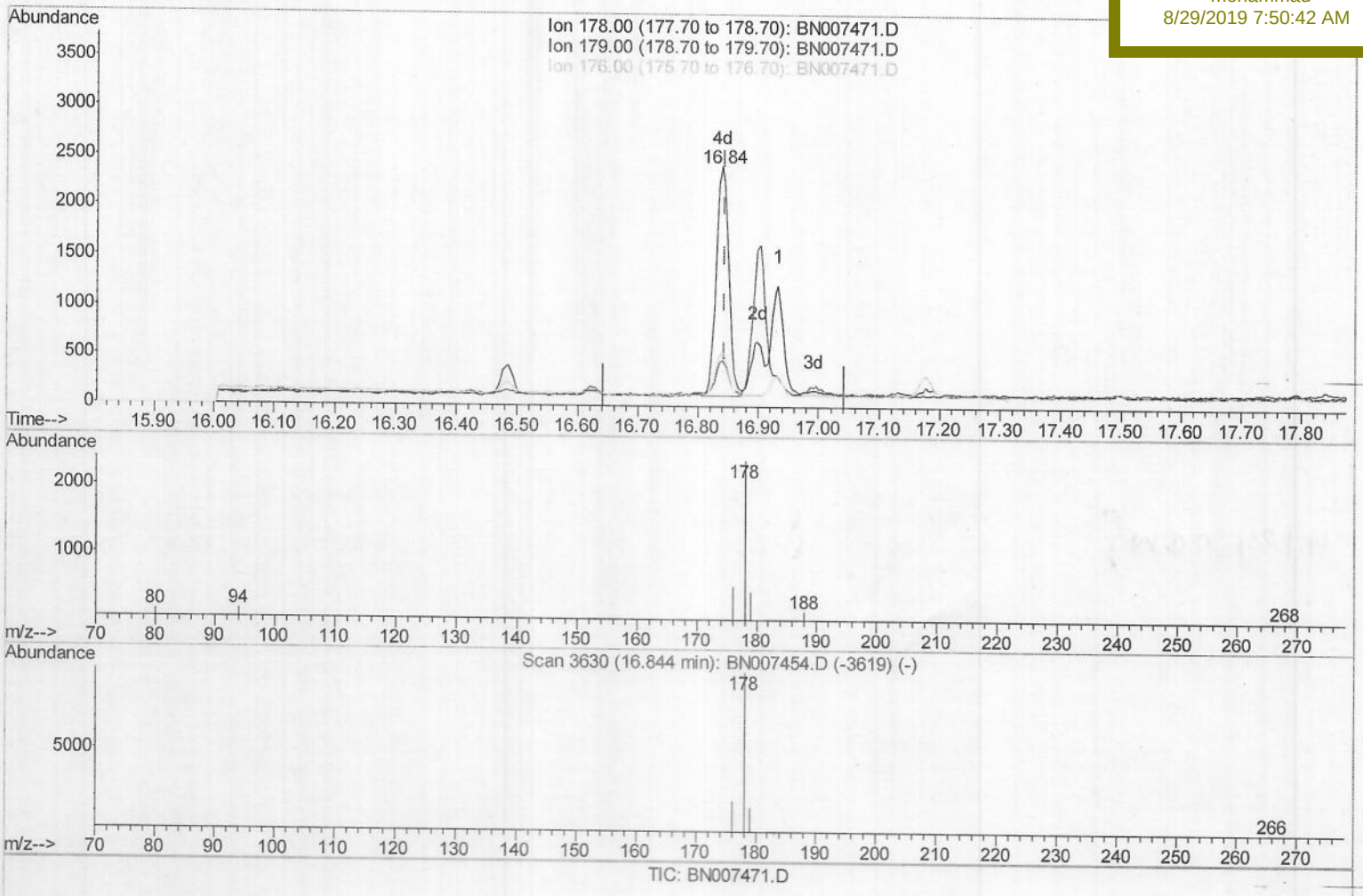
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:34:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



TIC: BN007471.D

(12) Phenanthrene

16.839min (-0.005) 0.04ng/ul m JJU 08/29/19

response 3341

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	19.73#
176.00	19.00	22.93#
0.00	0.00	0.00

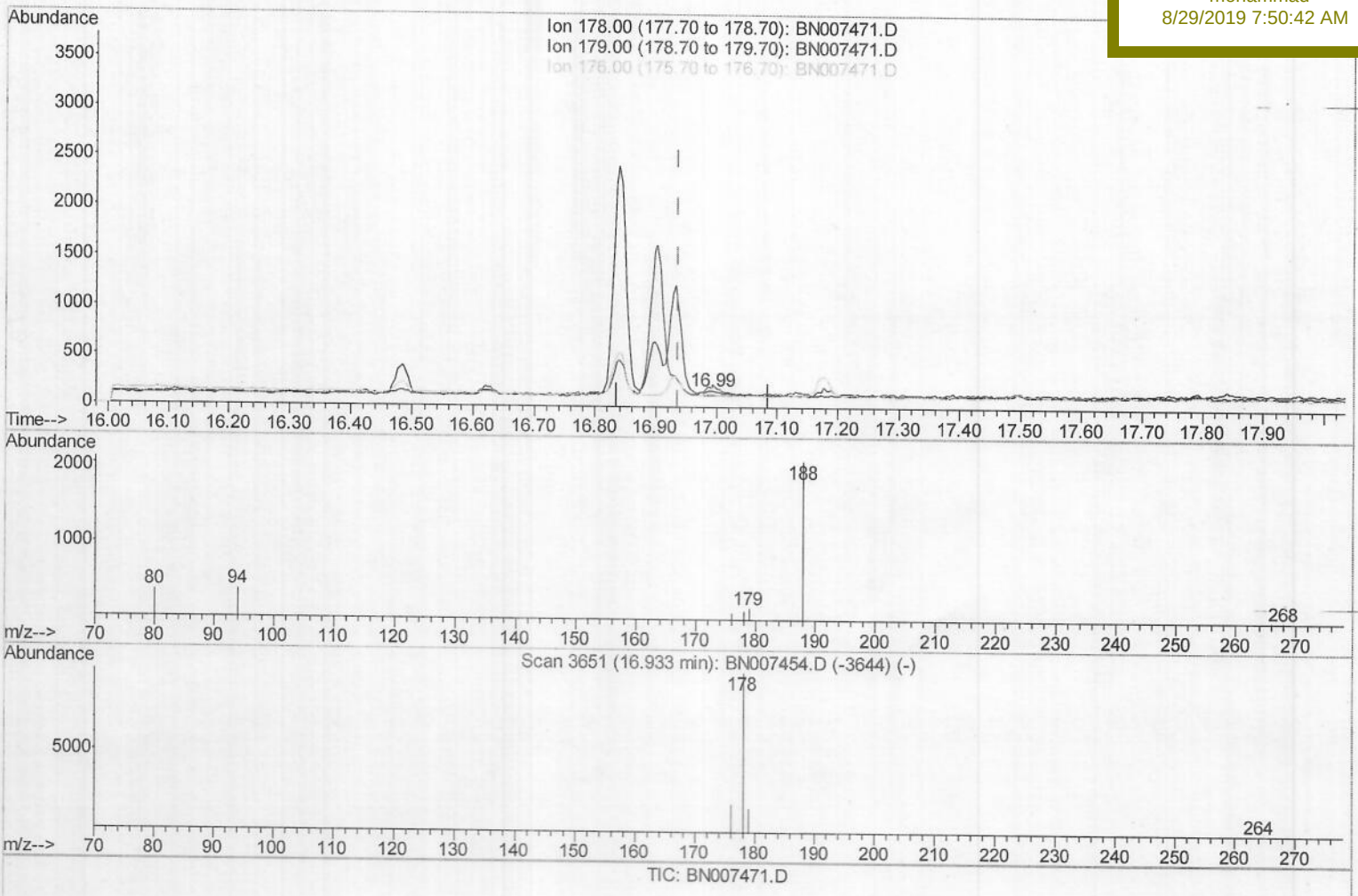
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:34:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



TIC: BN007471.D

(13) Anthracene

16.991min (+0.054) 0.00ng/ul

response 75

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	122.42#
176.00	18.20	77.58#
0.00	0.00	0.00

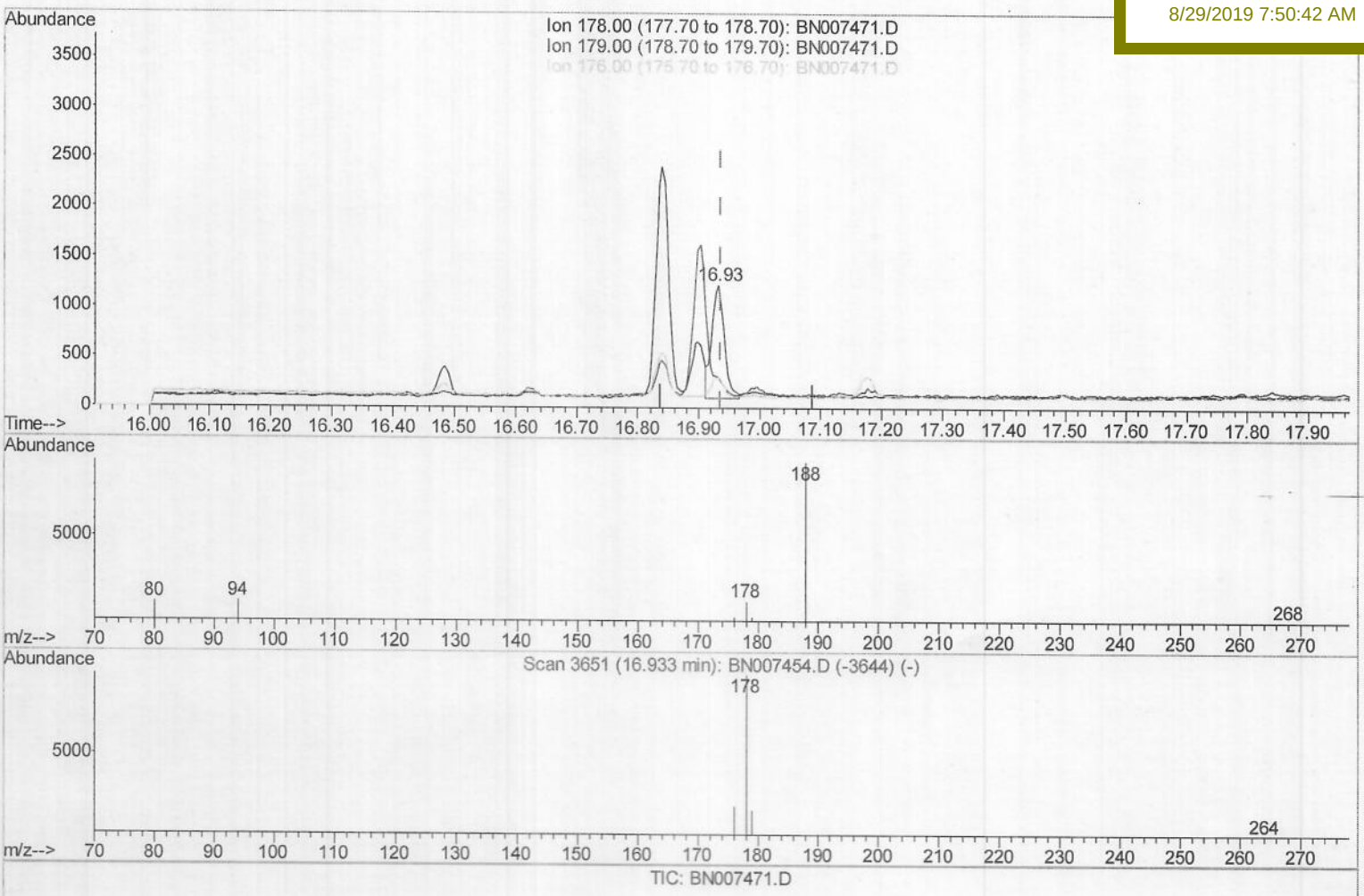
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:34:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



TIC: BN007471.D

(13) Anthracene

16.932min (-0.005) 0.02ng/ul m JJV 08/29/19

response 1635

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	25.04#
176.00	18.20	24.96#
0.00	0.00	0.00

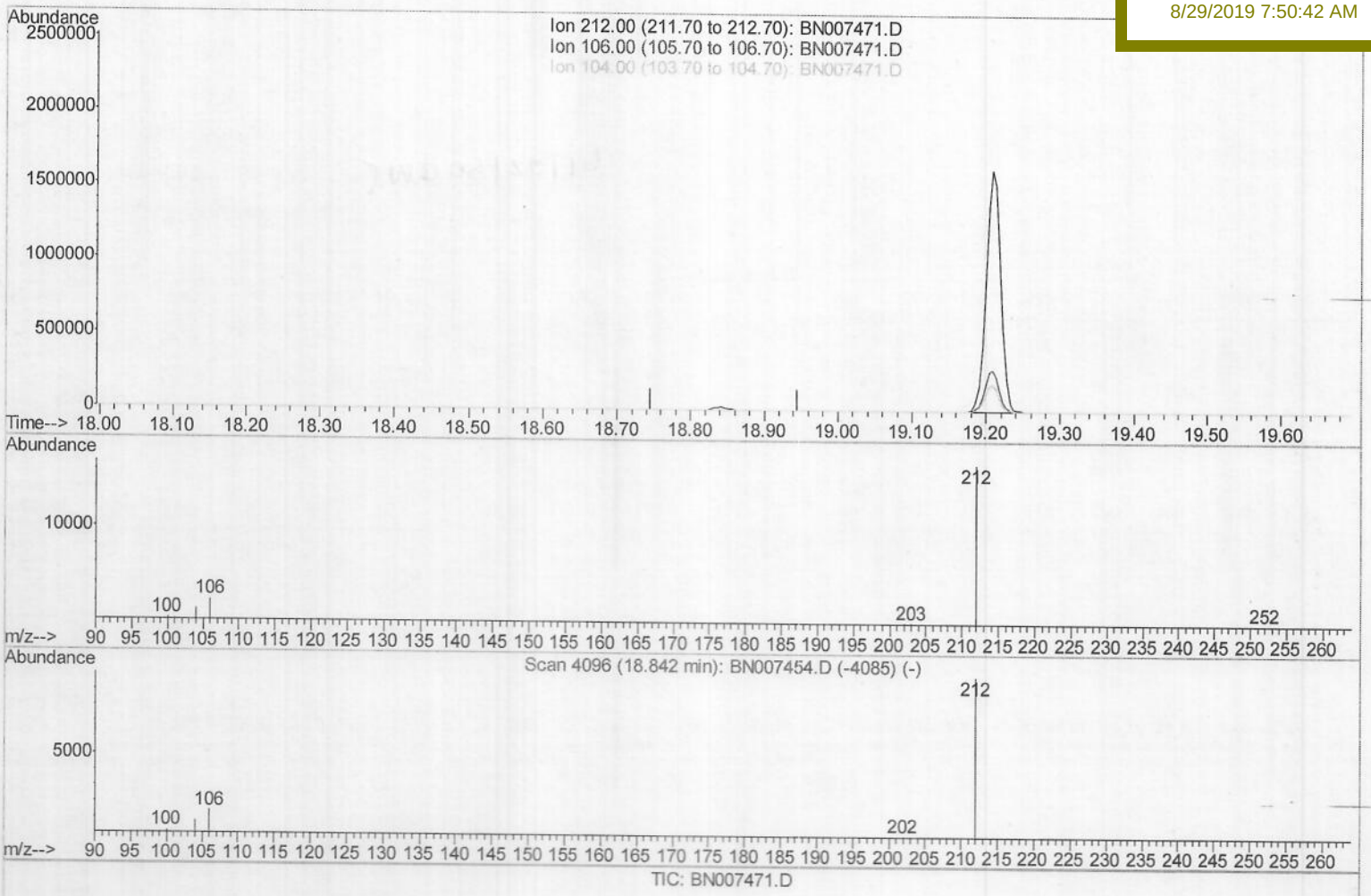
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:34:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



(14) Fluoranthene-d10 (SURR)

18.847min (-18.847) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.30	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

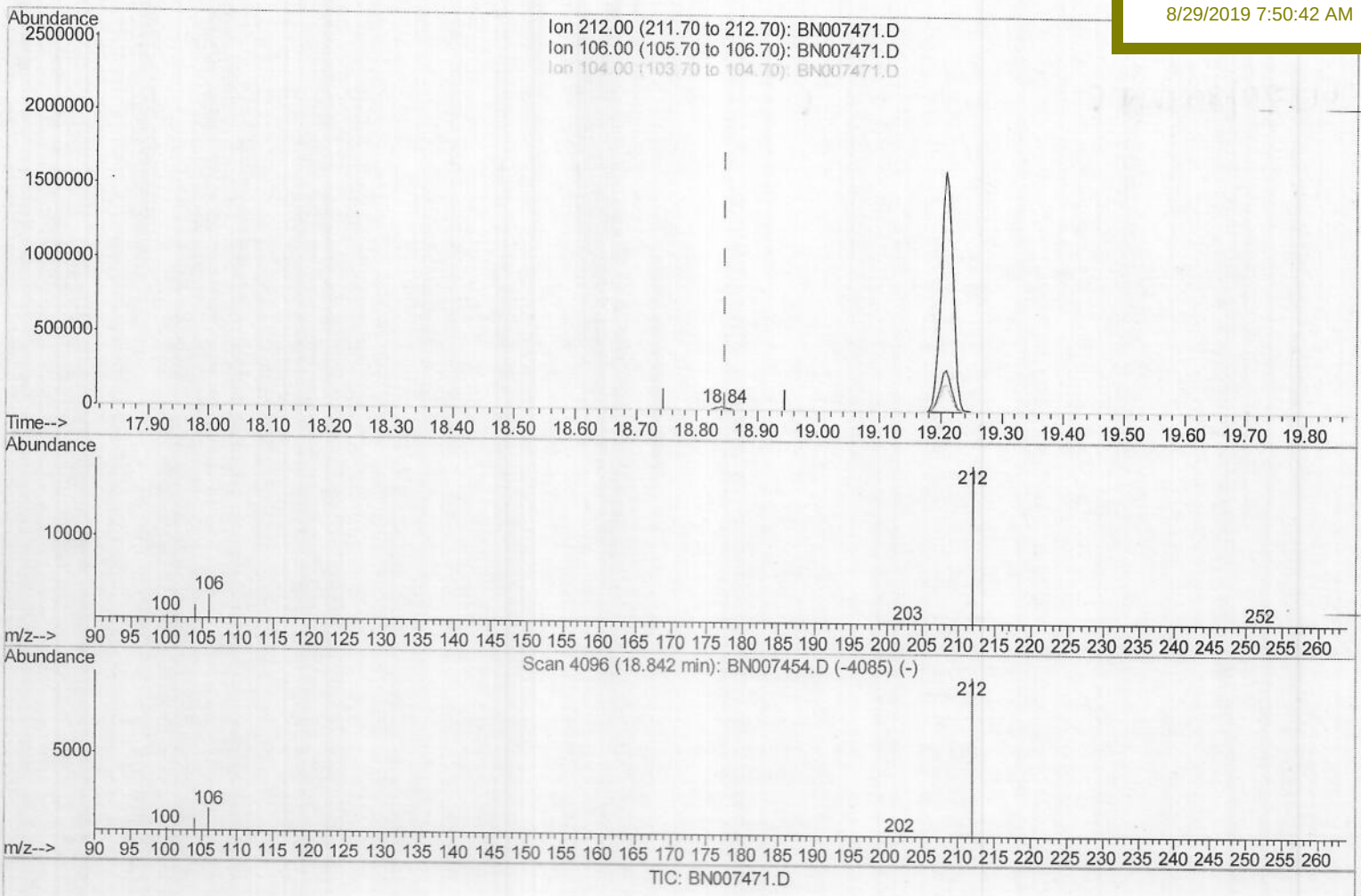
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:34:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



TIC: BN007471.D

(14) Fluoranthene-d10 (SURR)

18.842min (-0.005) 0.32ng/ul m JU 08/20/19

response 26340

Ion	Exp%	Act%
212.00	100	100
106.00	14.30	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

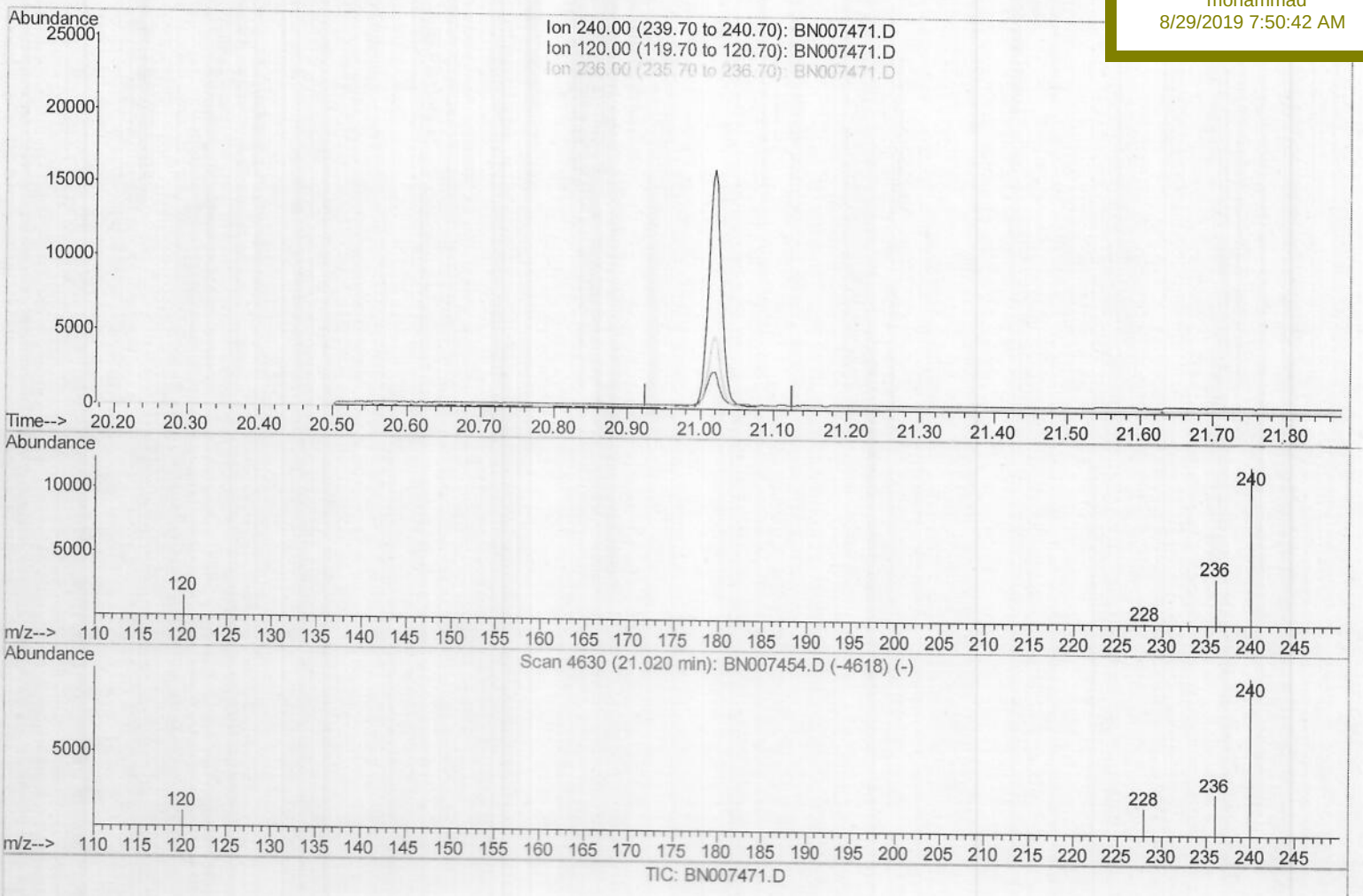
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:34:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



TIC: BN007471.D

(16) Chrysene-d12 (I)

21.026min (-21.026) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	15.00	0.00#
236.00	28.60	0.00#
0.00	0.00	0.00

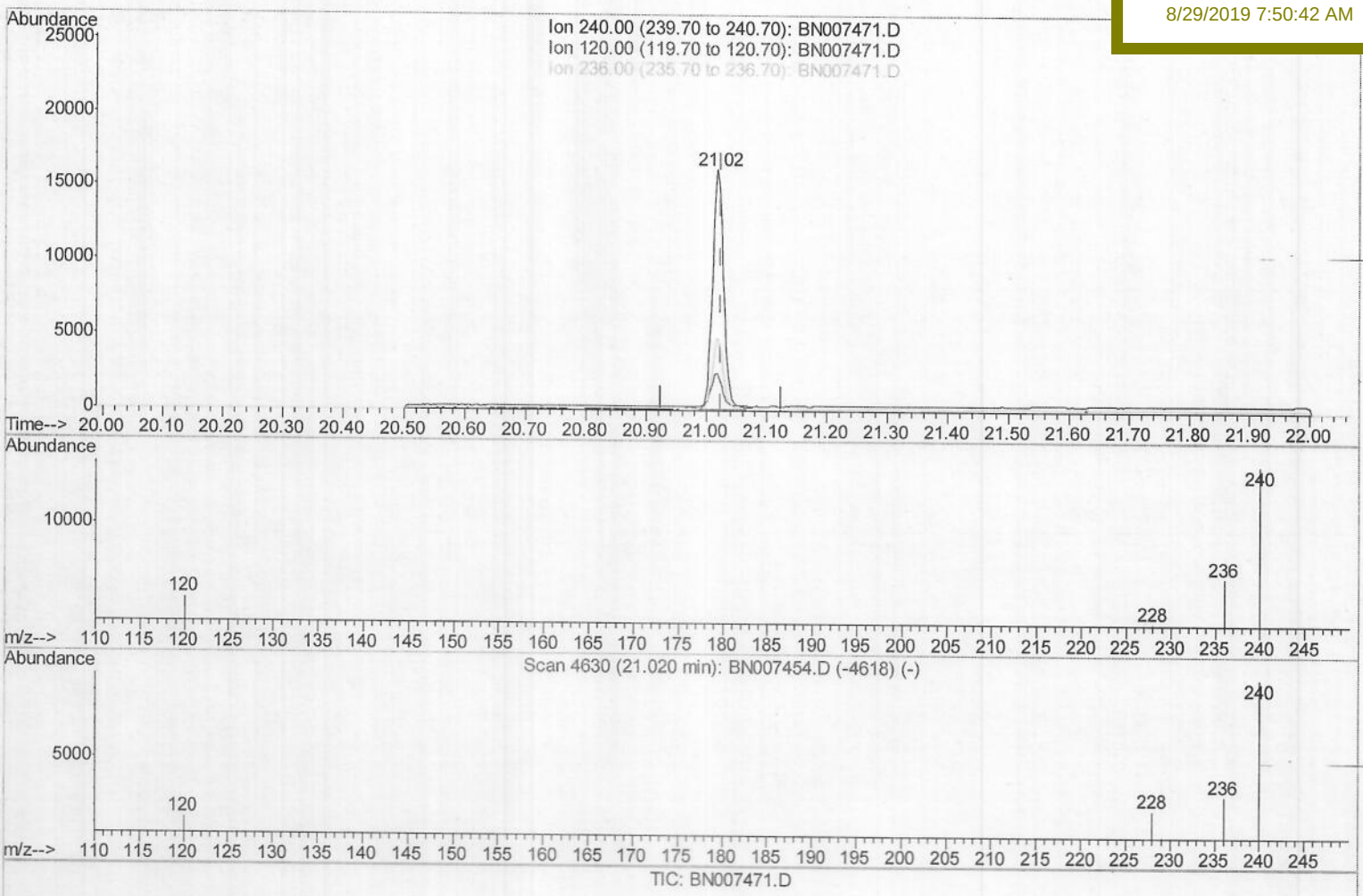
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:34:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



(16) Chrysene-d12 (I)

21.019min (-0.006) 0.40ng/ul m JV 08/29/19

response 20677

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	15.46
236.00	28.60	29.97
0.00	0.00	0.00

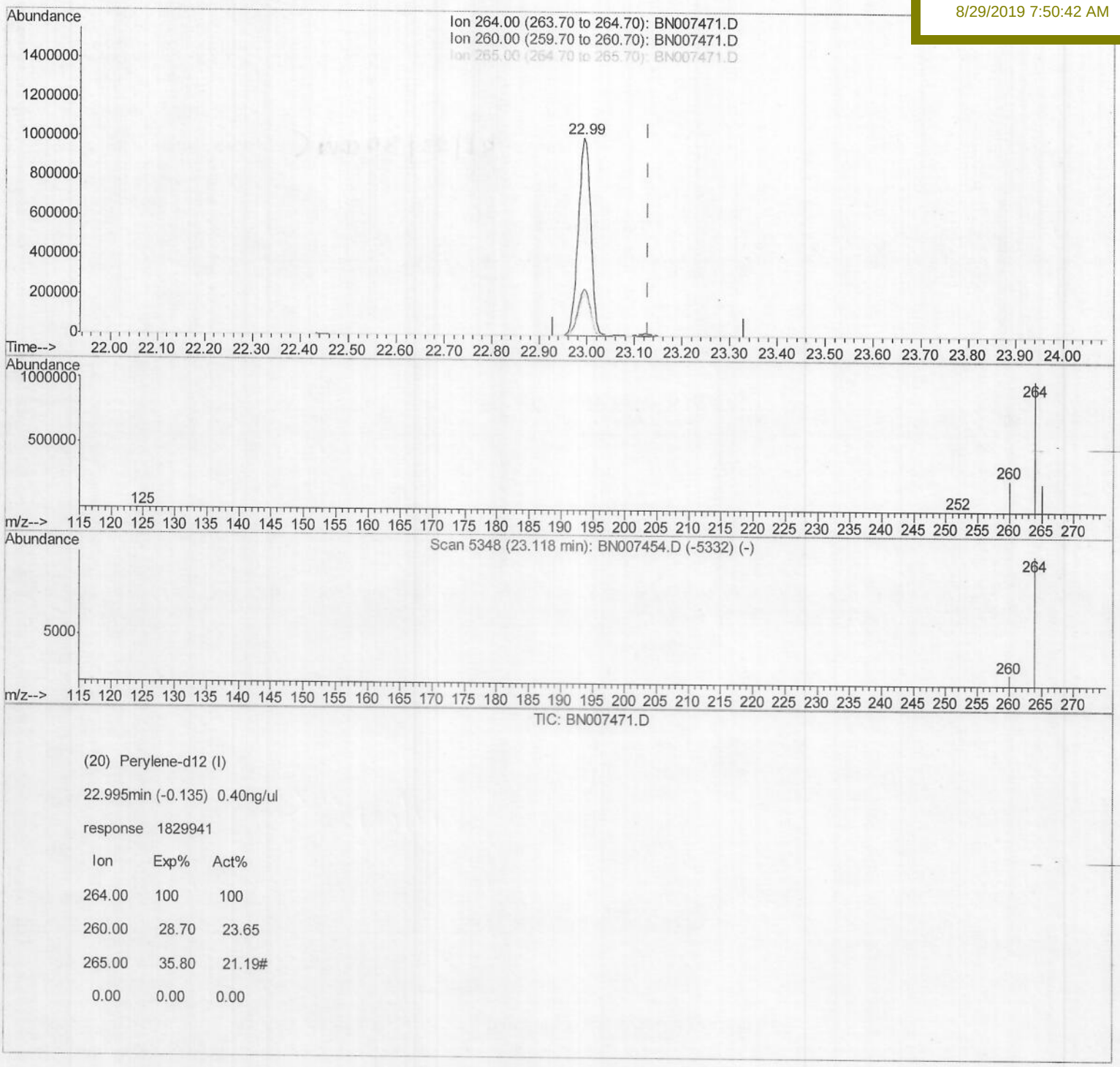
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:36:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



(20) Perylene-d12 (I)

22.995min (-0.135) 0.40ng/ul

response 1829941

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	23.65
265.00	35.80	21.19#
0.00	0.00	0.00

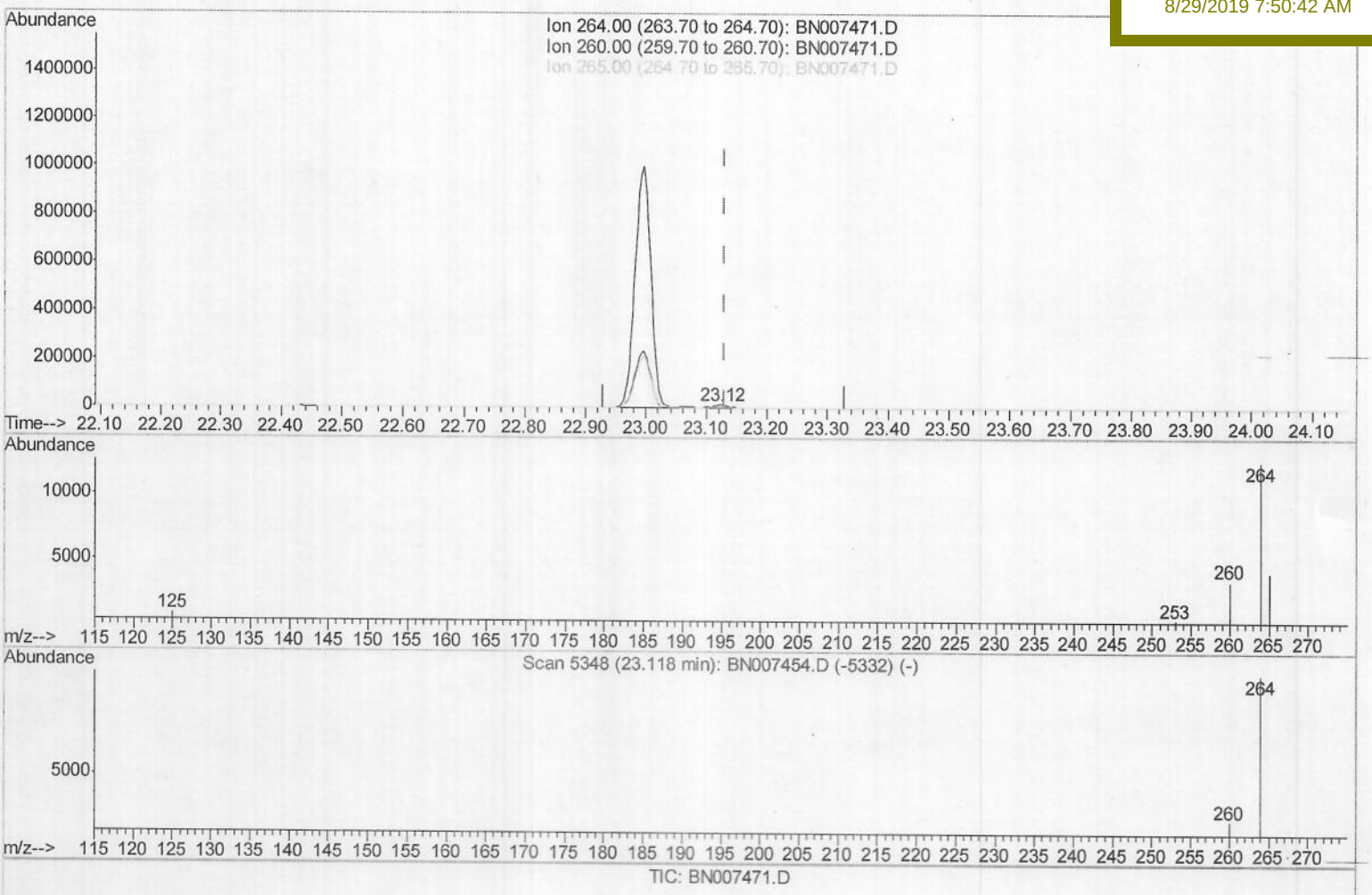
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:36:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM



(20) Perylene-d12 (I)

23.123min (-0.006) 0.40ng/ul m } JU 08/29/19

response 18090

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	27.82
265.00	35.80	33.07
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007471.D
Acq On : 28 Aug 2019 16:49
Operator : HP/JU
Sample : K4373-13
Misc :
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Aug 28 17:36:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : C0AC2

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:42 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4835	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	21409	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	11023	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	25612m	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	20677m	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	18090m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	10397	0.31	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	26340m	0.32	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.20	128	30721	0.508	ng/ul	99
5) 2-Methylnaphthalene	11.83	142	1557	0.038	ng/ul	100
8) Acenaphthene	14.11	153	3984	0.090	ng/ul	98
9) Fluorene	15.11	166	2071	0.043	ng/ul#	96
12) Phenanthrene	16.84	178	3341m	0.042	ng/ul	
13) Anthracene	16.93	178	1635m	0.022	ng/ul	

JU 08/29/19

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