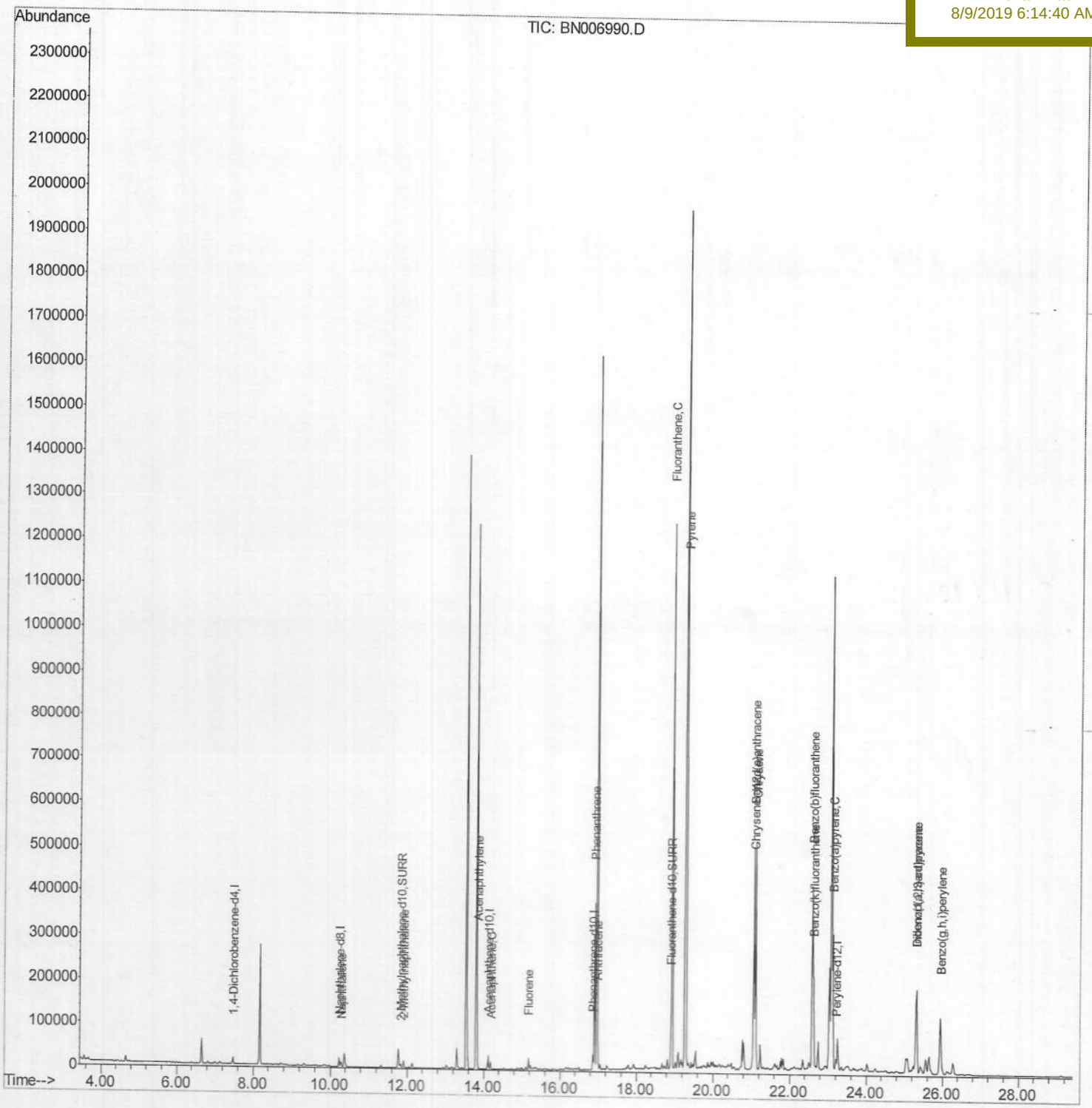
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



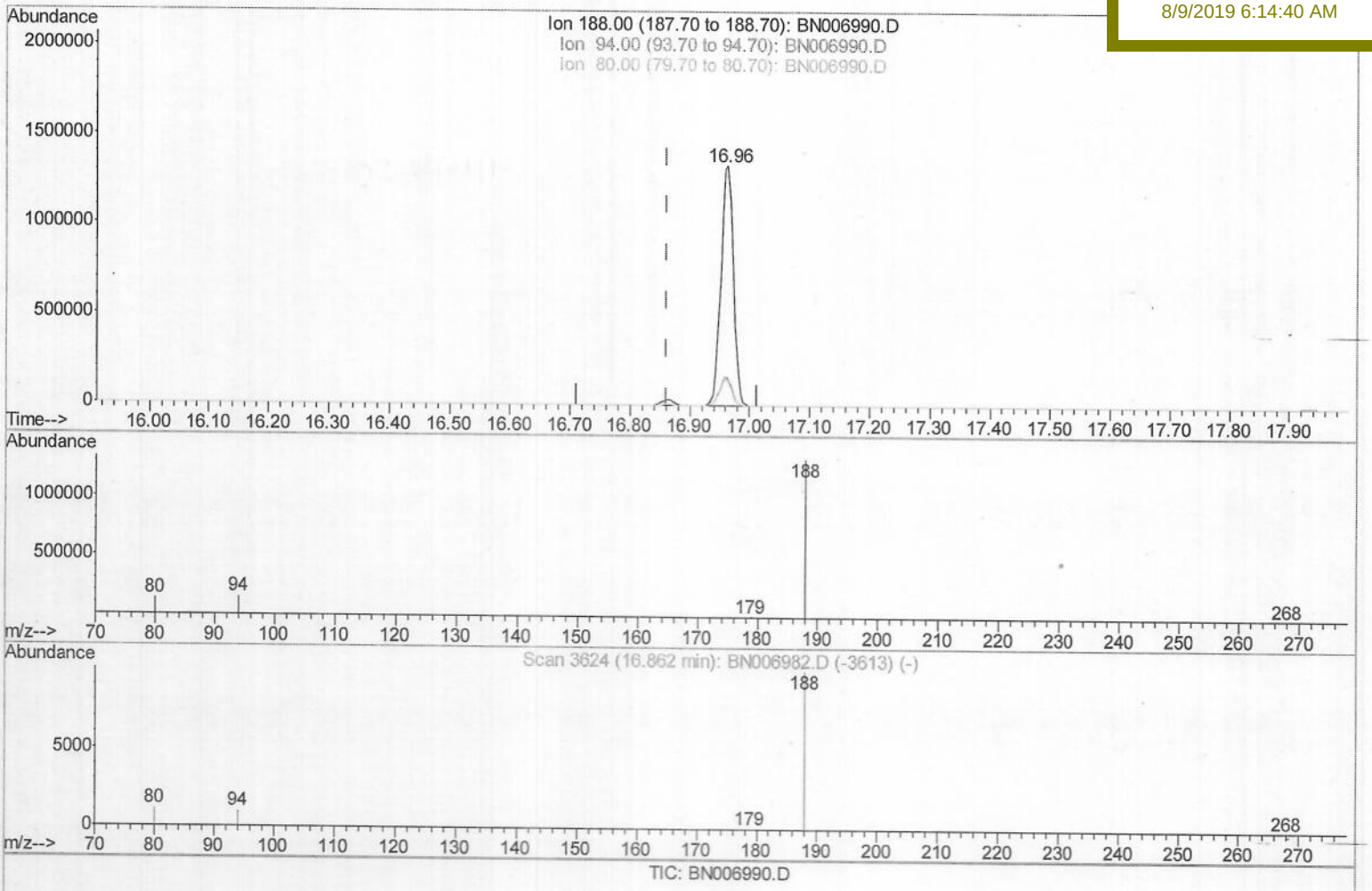
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:17:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(10) Phenanthrene-d10 (I)

16.964min (+0.101) 0.40ng/ul

response 1946964

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	11.30
80.00	12.40	10.25
0.00	0.00	0.00

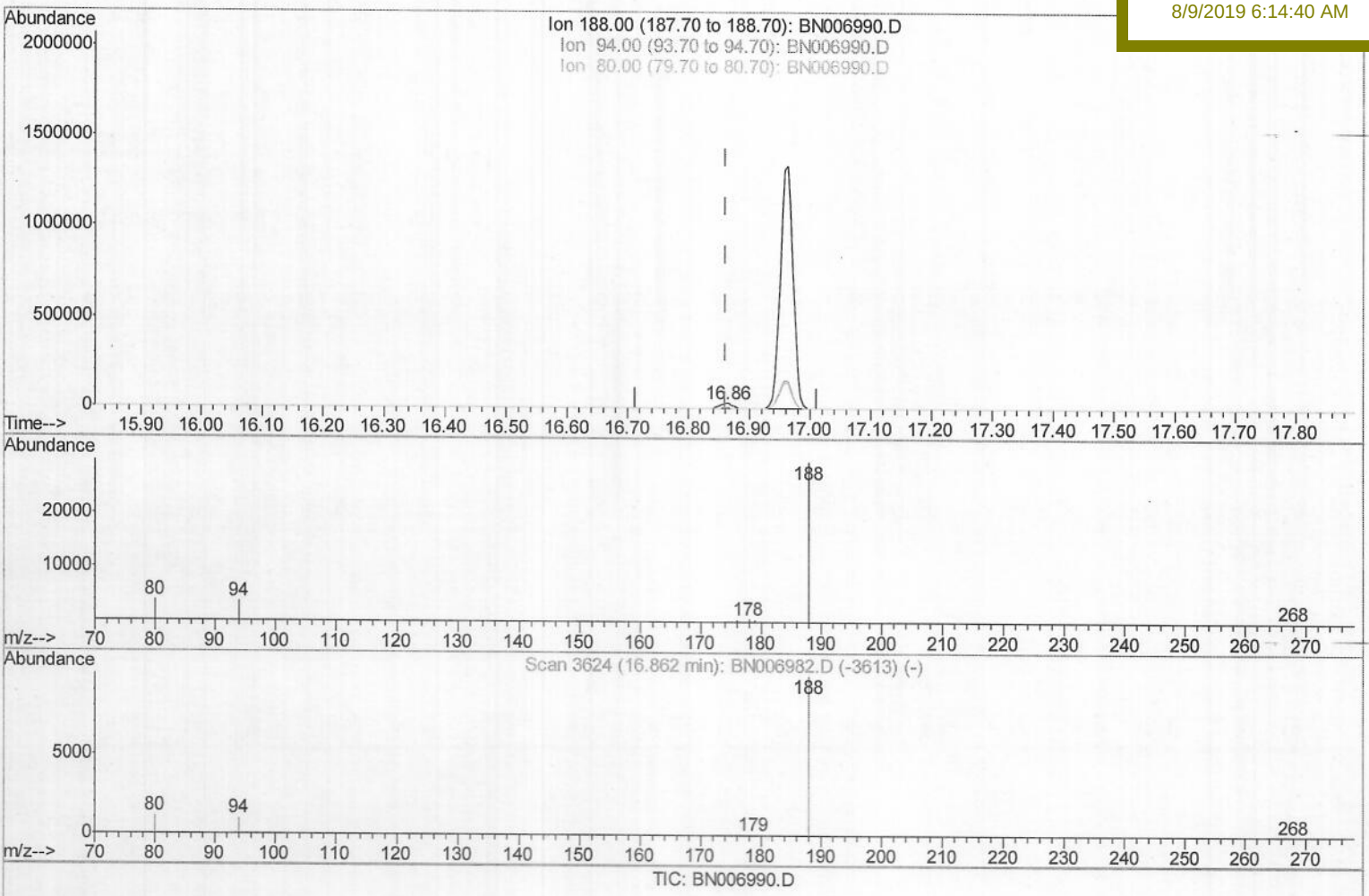
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:17:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(10) Phenanthrene-d10 (I)

16.862min (-0.000) 0.40ng/ul m) JV 08/08/19

response 41828

Ion	Exp%	Act%
188.00	100	100
94.00	11.00	12.50
80.00	12.40	13.08
0.00	0.00	0.00

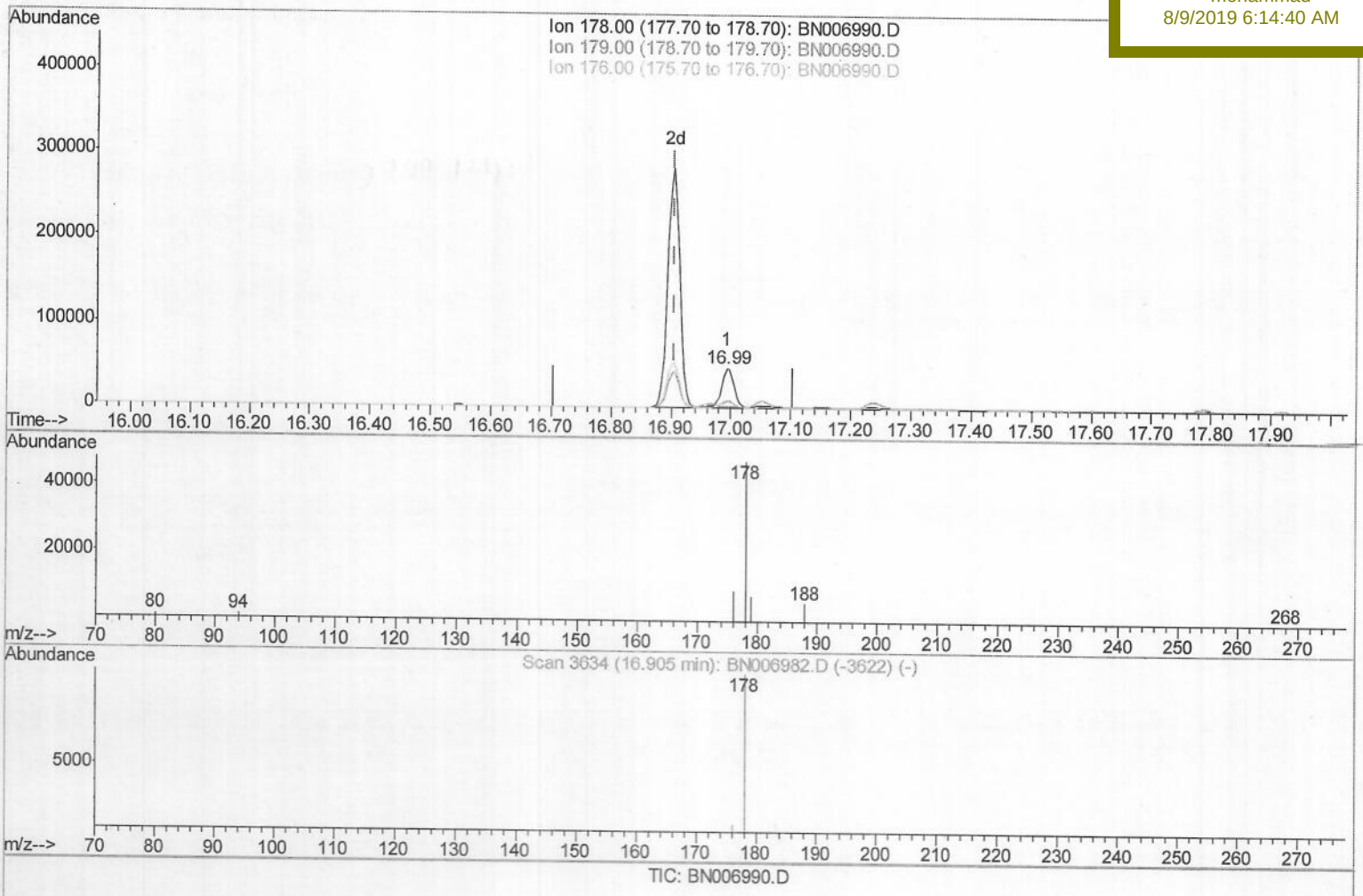
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(12) Phenanthrene

16.993min (+0.088) 0.49ng/ul

response 65044

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	16.17
176.00	19.50	19.29
0.00	0.00	0.00

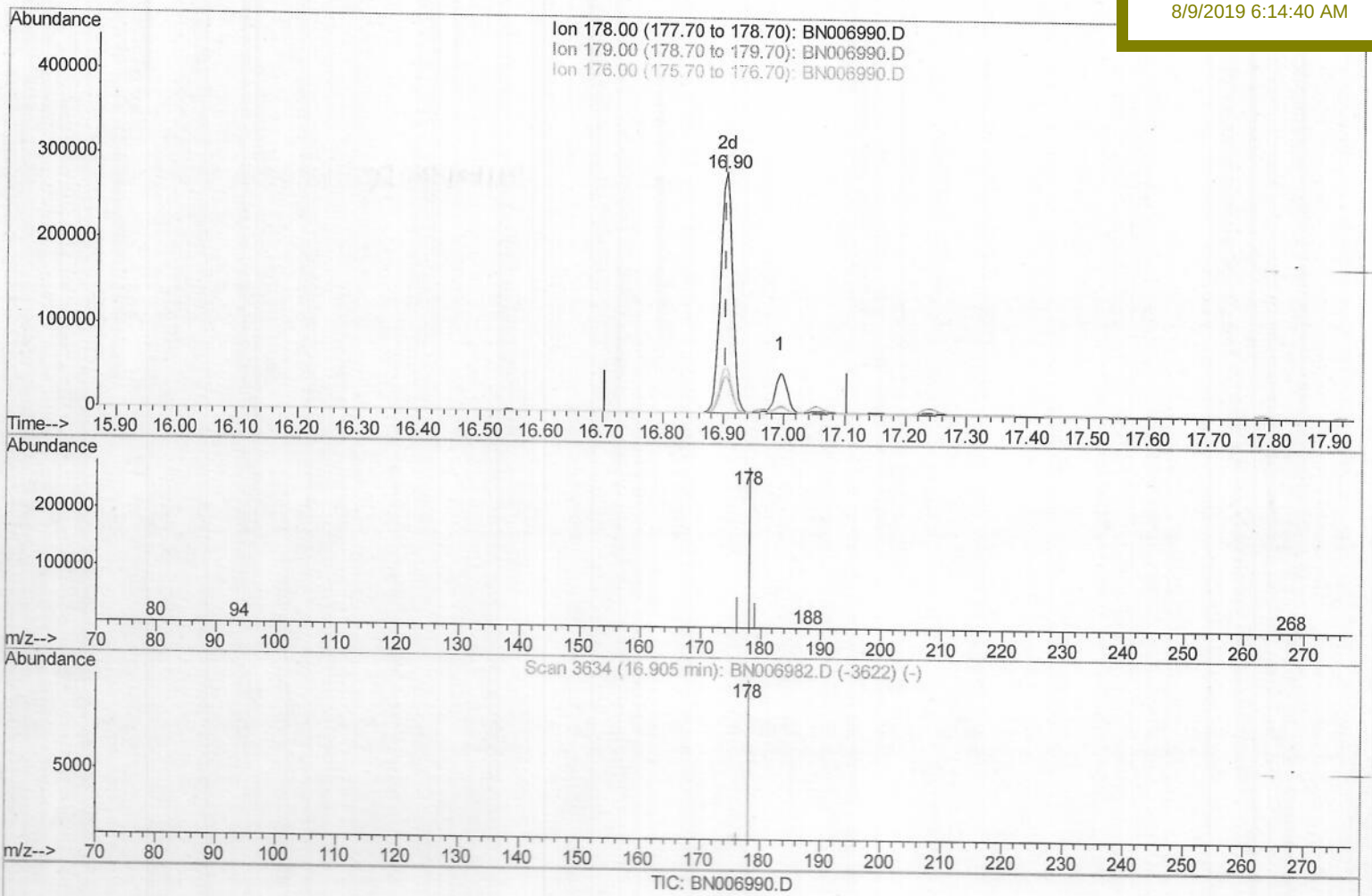
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(12) Phenanthrene

16.904min (-0.000) 2.96ng/ul m JU 08/08/19

response 394695

Ion	Exp%	Act%
178.00	100	100
179.00	15.60	15.46
176.00	19.50	19.19
0.00	0.00	0.00

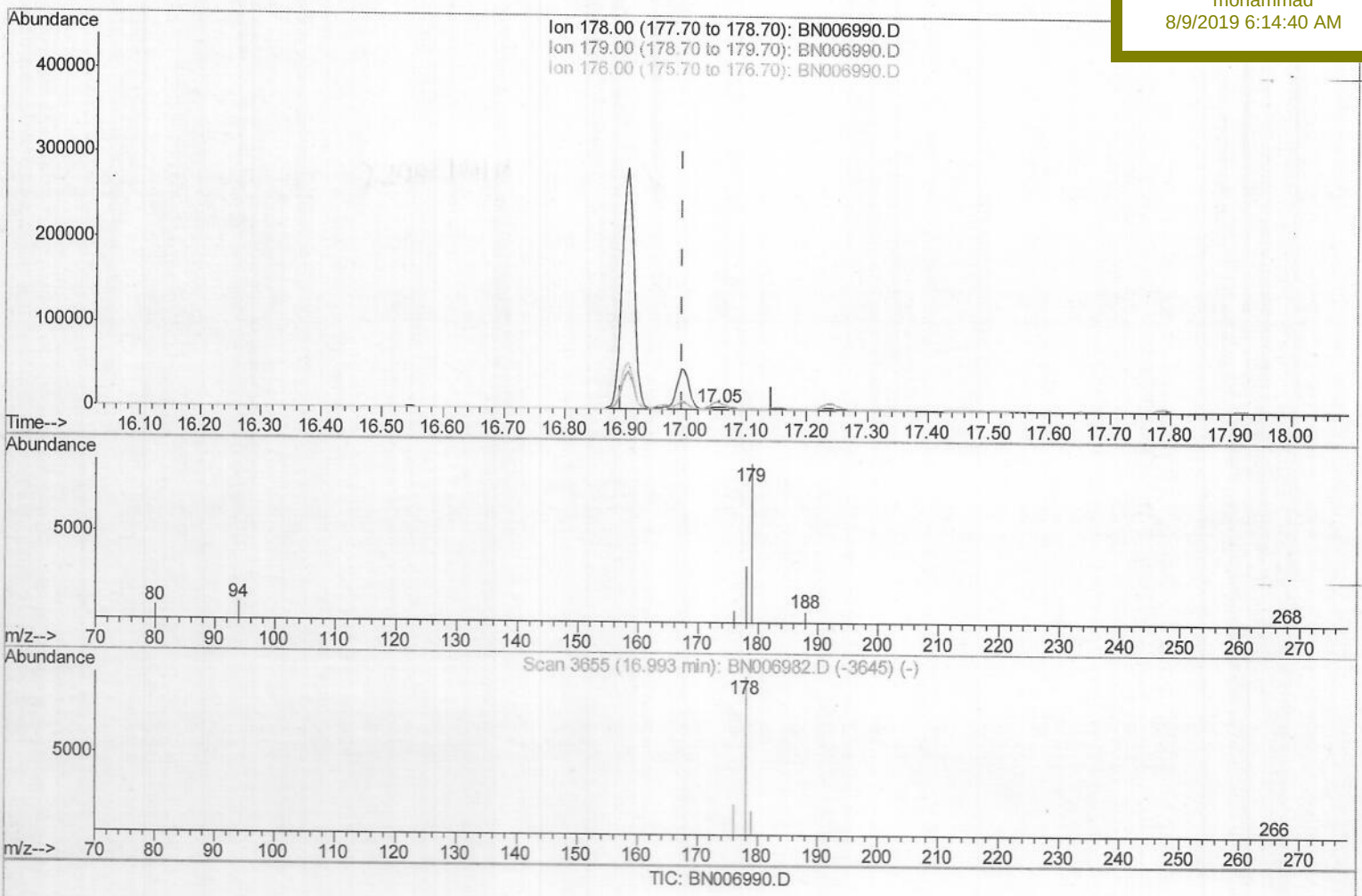
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



(13) Anthracene

17.052min (+0.059) 0.03ng/ul

response 4293

Ion	Exp%	Act%
178.00	100	100
179.00	15.70	275.08#
176.00	19.20	23.09#
0.00	0.00	0.00

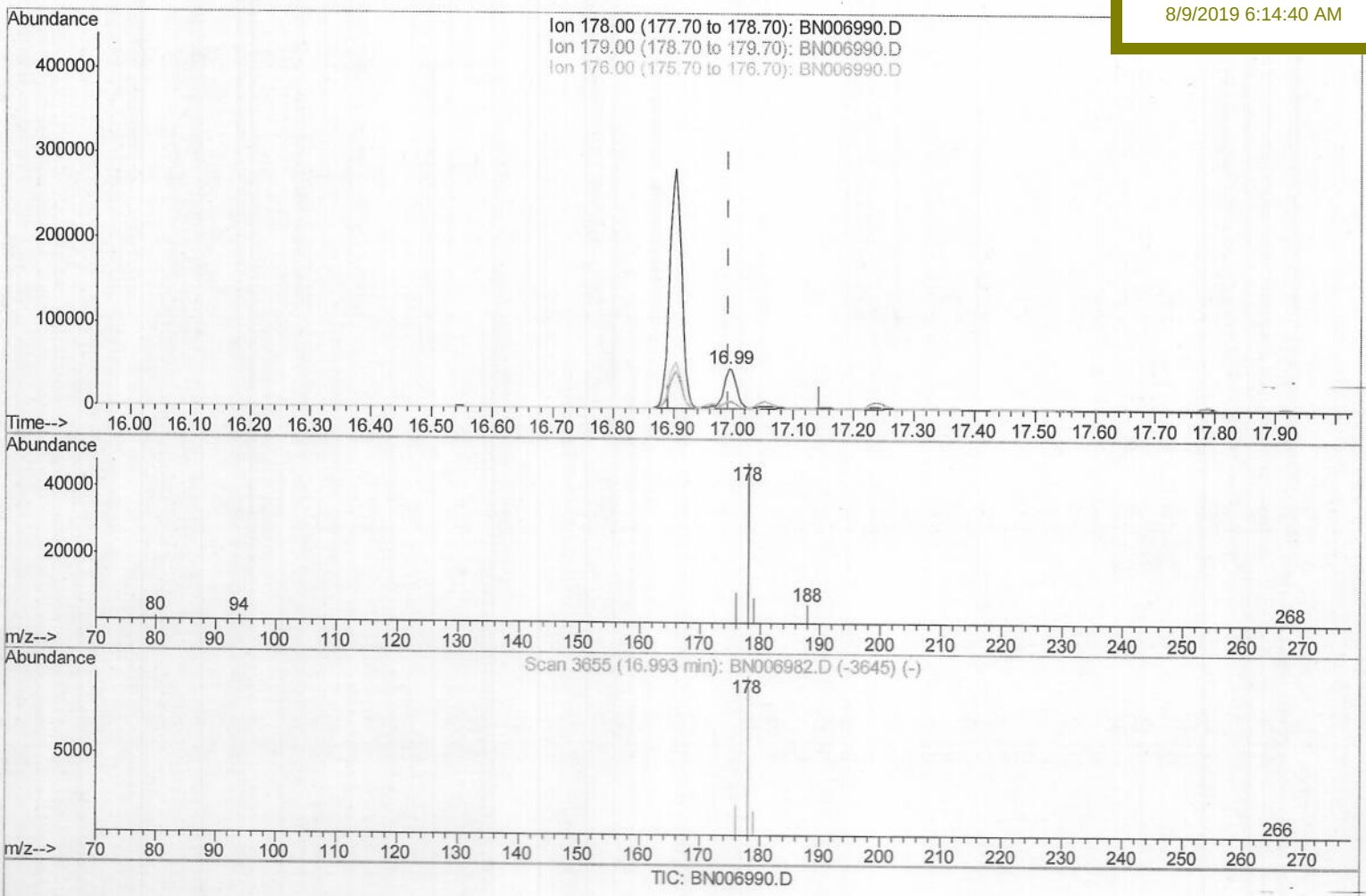
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(13) Anthracene

16.993min (-0.000) 0.51ng/ul m JU 08/08/19

response 69417

Ion	Exp%	Act%
178.00	100	100
179.00	15.70	16.17
176.00	19.20	19.29
0.00	0.00	0.00

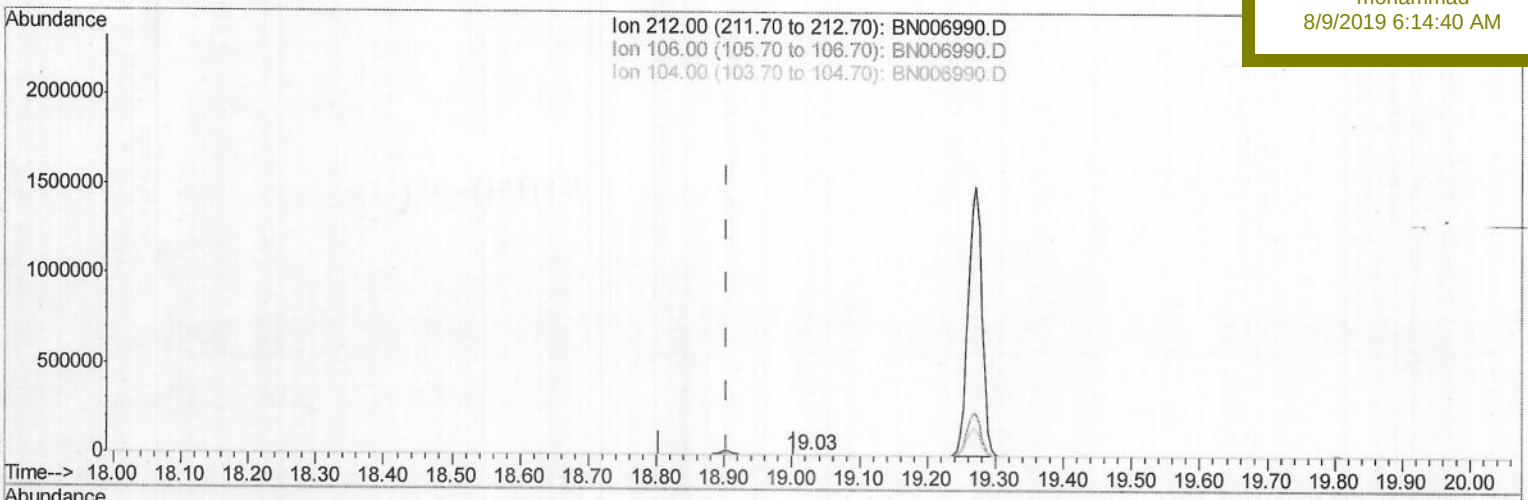
Quantitation Report (Qedit)

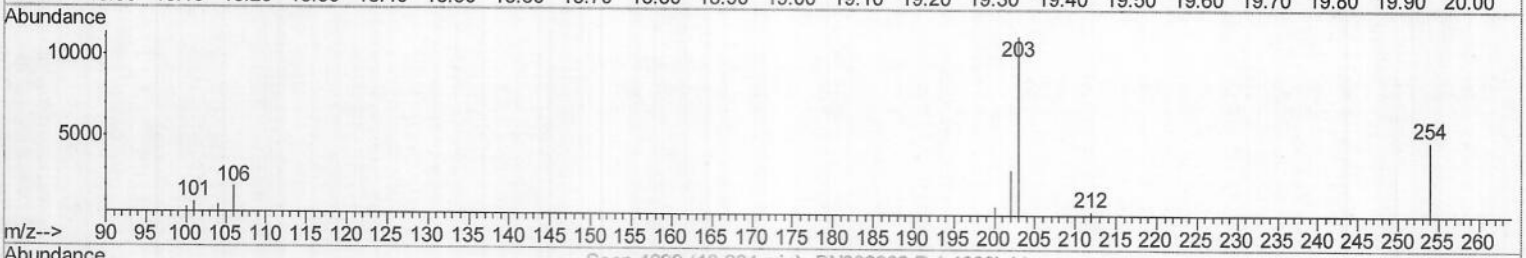
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

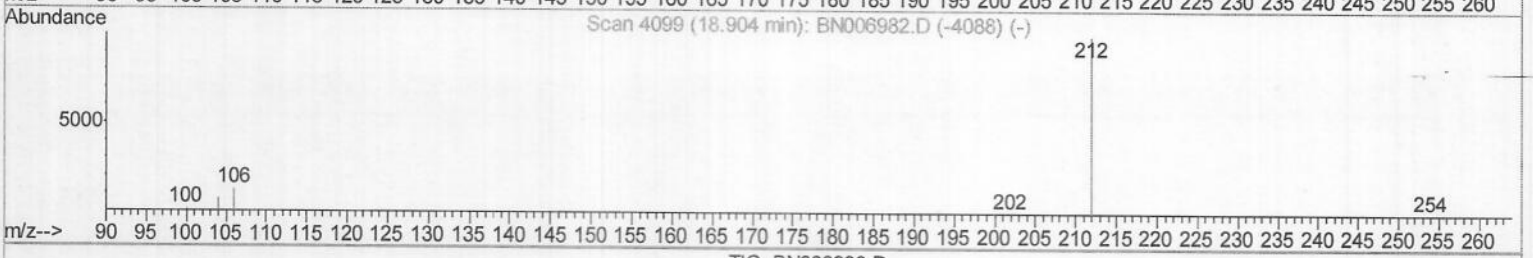
Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM







TIC: BN006990.D

(14) Fluoranthene-d10 (SURR)

19.025min (+0.121) 0.00ng/ul

response 459

Ion	Exp%	Act%
212.00	100	100
106.00	12.80	55.99#
104.00	7.10	42.48#
0.00	0.00	0.00

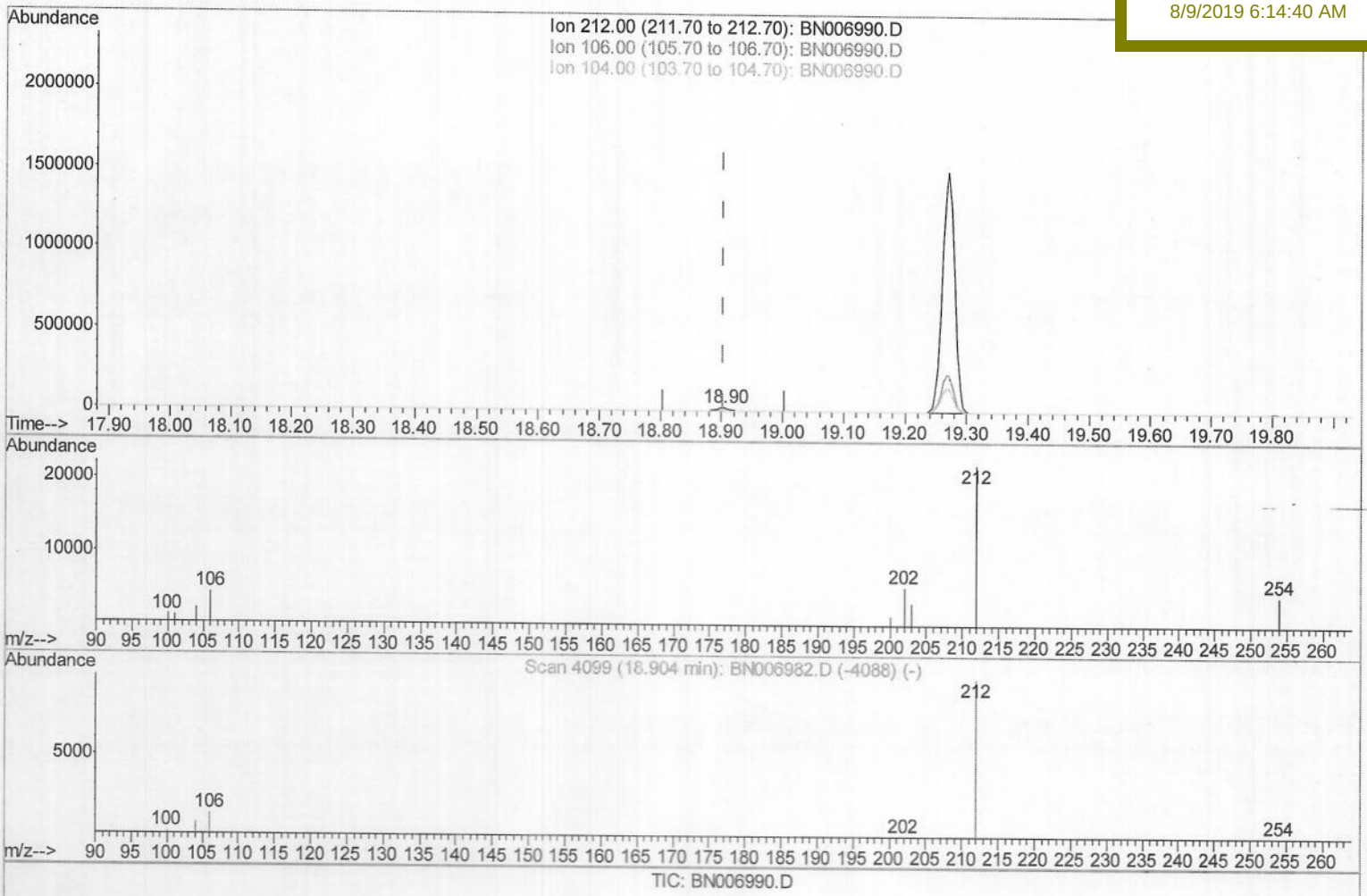
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(14) Fluoranthene-d10 (SURR)

18.904min (-0.000) 0.23ng/ul m JJU 08/08/19

response 30366

Ion	Exp%	Act%
212.00	100	100
106.00	12.80	0.85#
104.00	7.10	0.64#
0.00	0.00	0.00

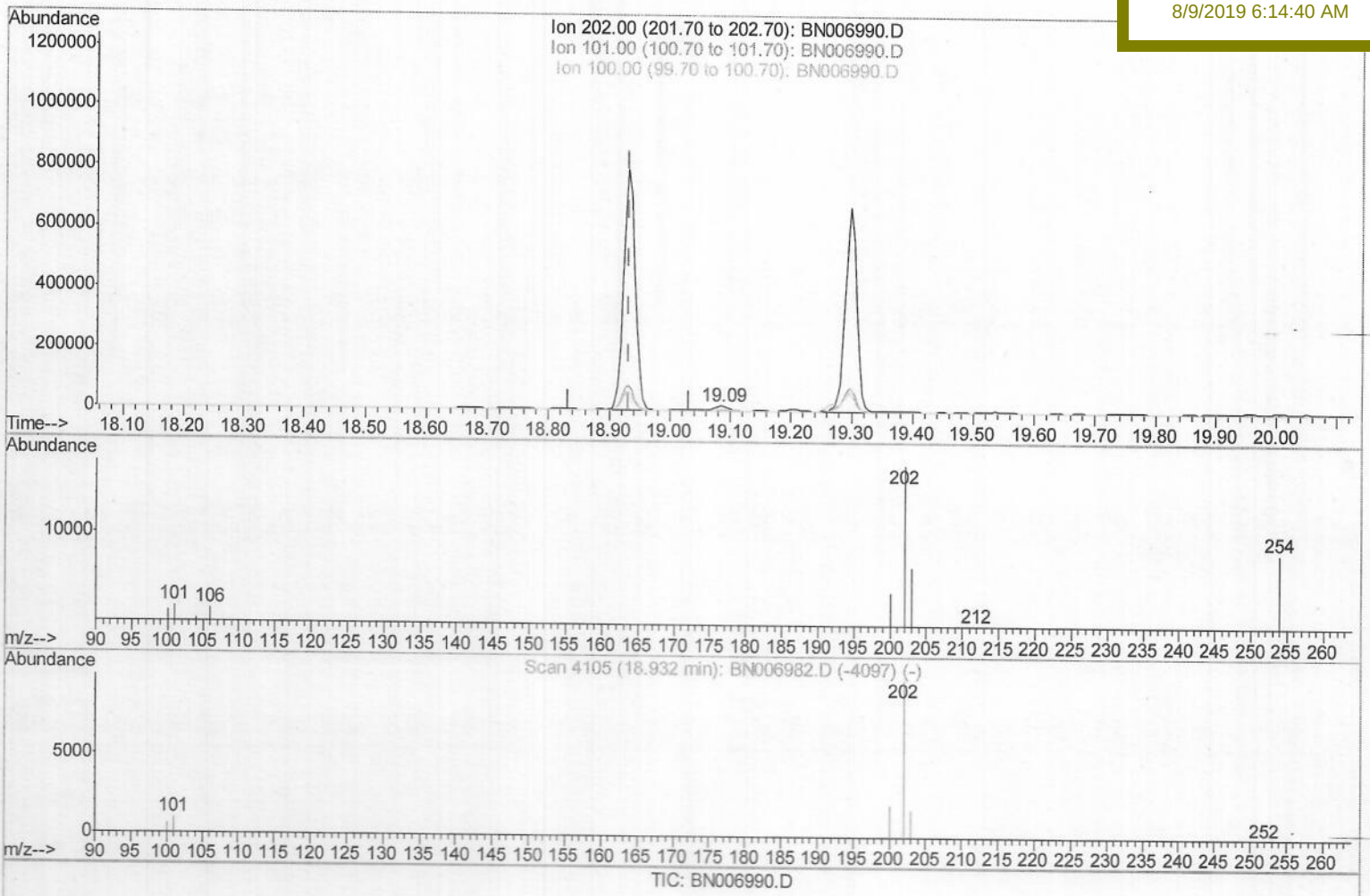
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(15) Fluoranthene (C)

19.085min (+0.153) 0.13ng/ul

response 21014

Ion	Exp%	Act%
202.00	100	100
101.00	10.00	11.75
100.00	7.70	8.91
0.00	0.00	0.00

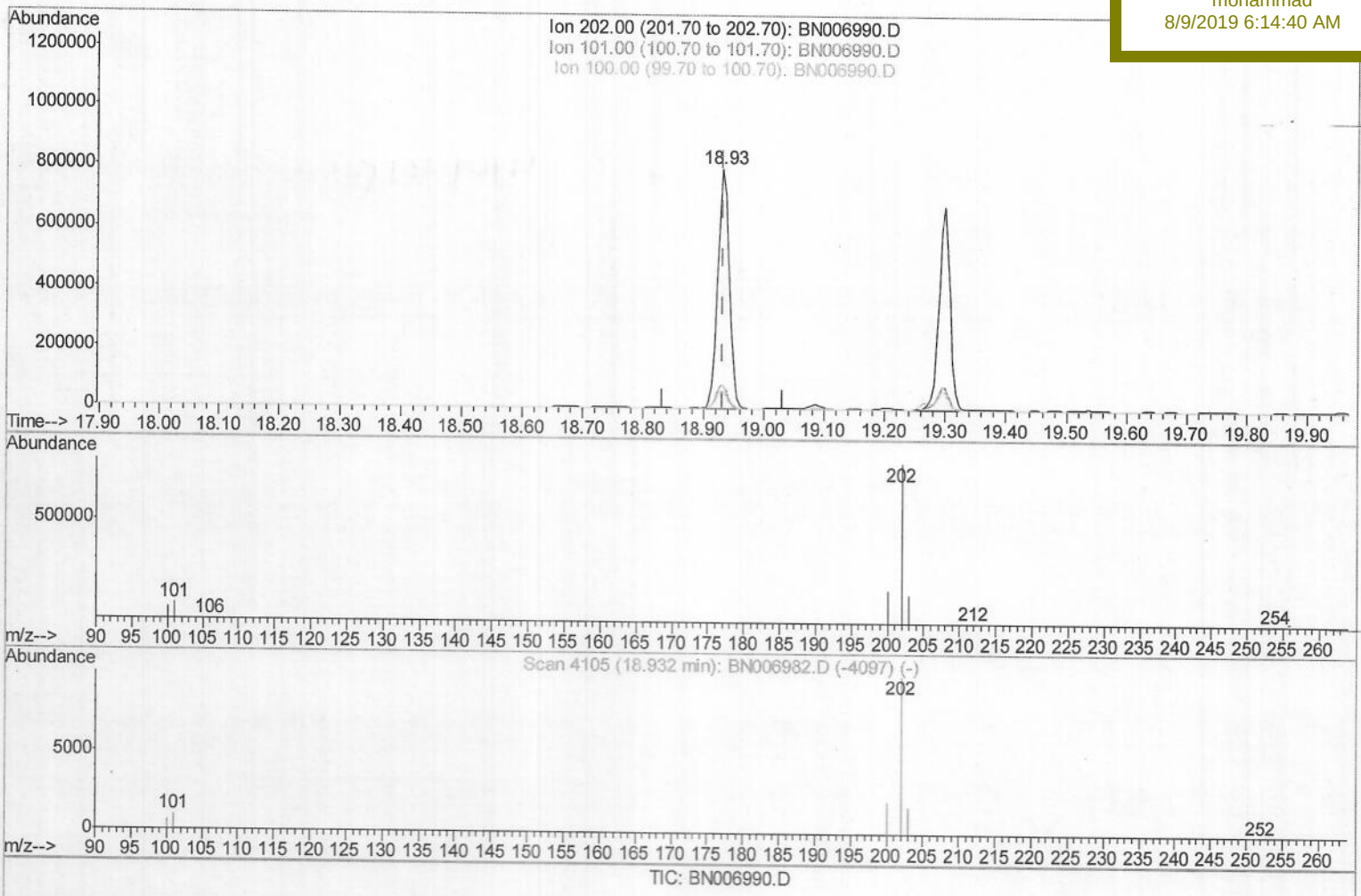
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(15) Fluoranthene (C)

18.932min (-0.000) 6.46ng/ul m JU 08/08/19

response 1070195

Ion	Exp%	Act%
202.00	100	100
101.00	10.00	10.16
100.00	7.70	7.47
0.00	0.00	0.00

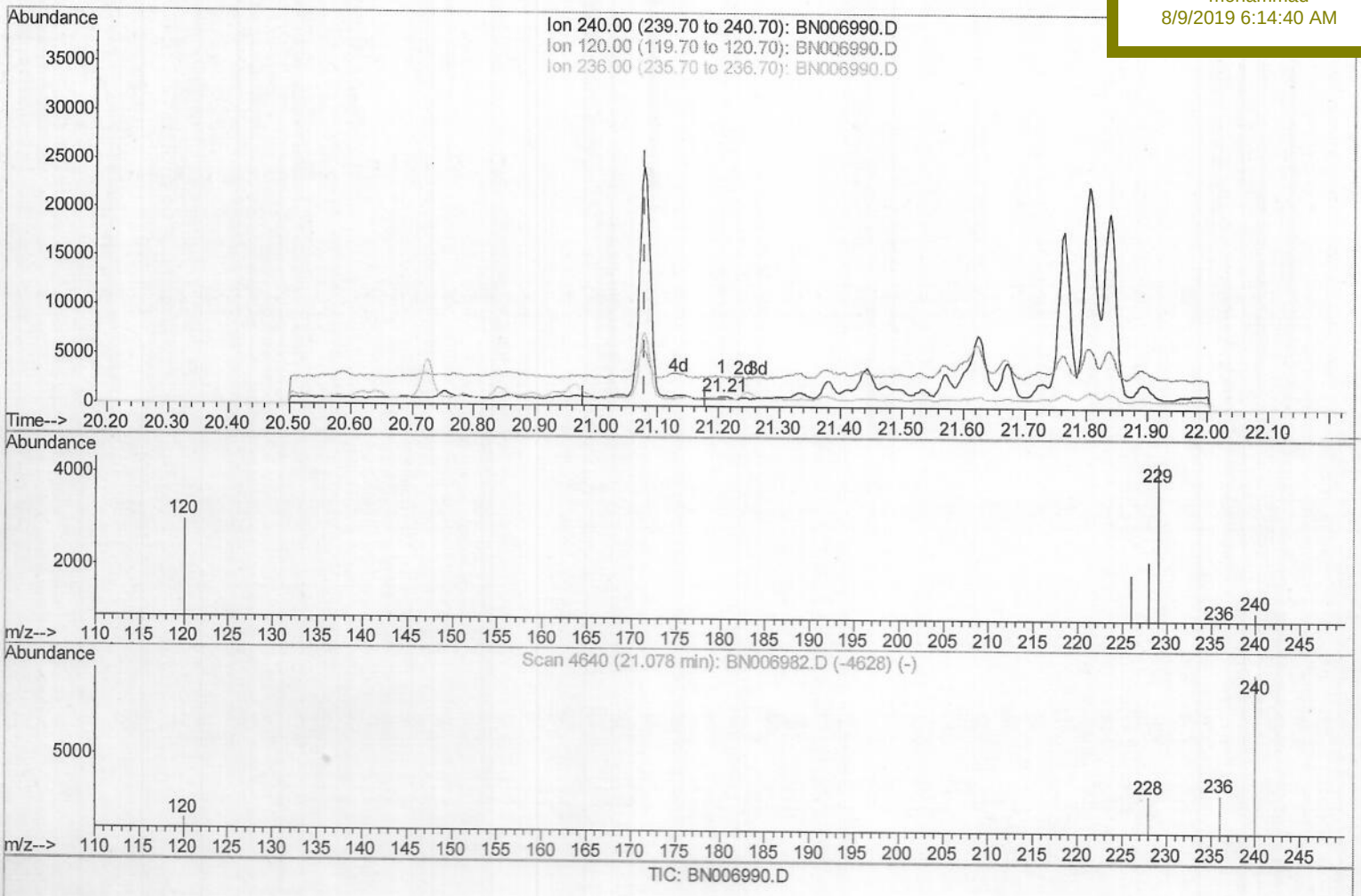
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(16) Chrysene-d12 (I)

21.207min (+0.128) 0.40ng/ul

response 327

Ion	Exp%	Act%
240.00	100	100
120.00	13.10	284.88#
236.00	29.00	81.34#
0.00	0.00	0.00

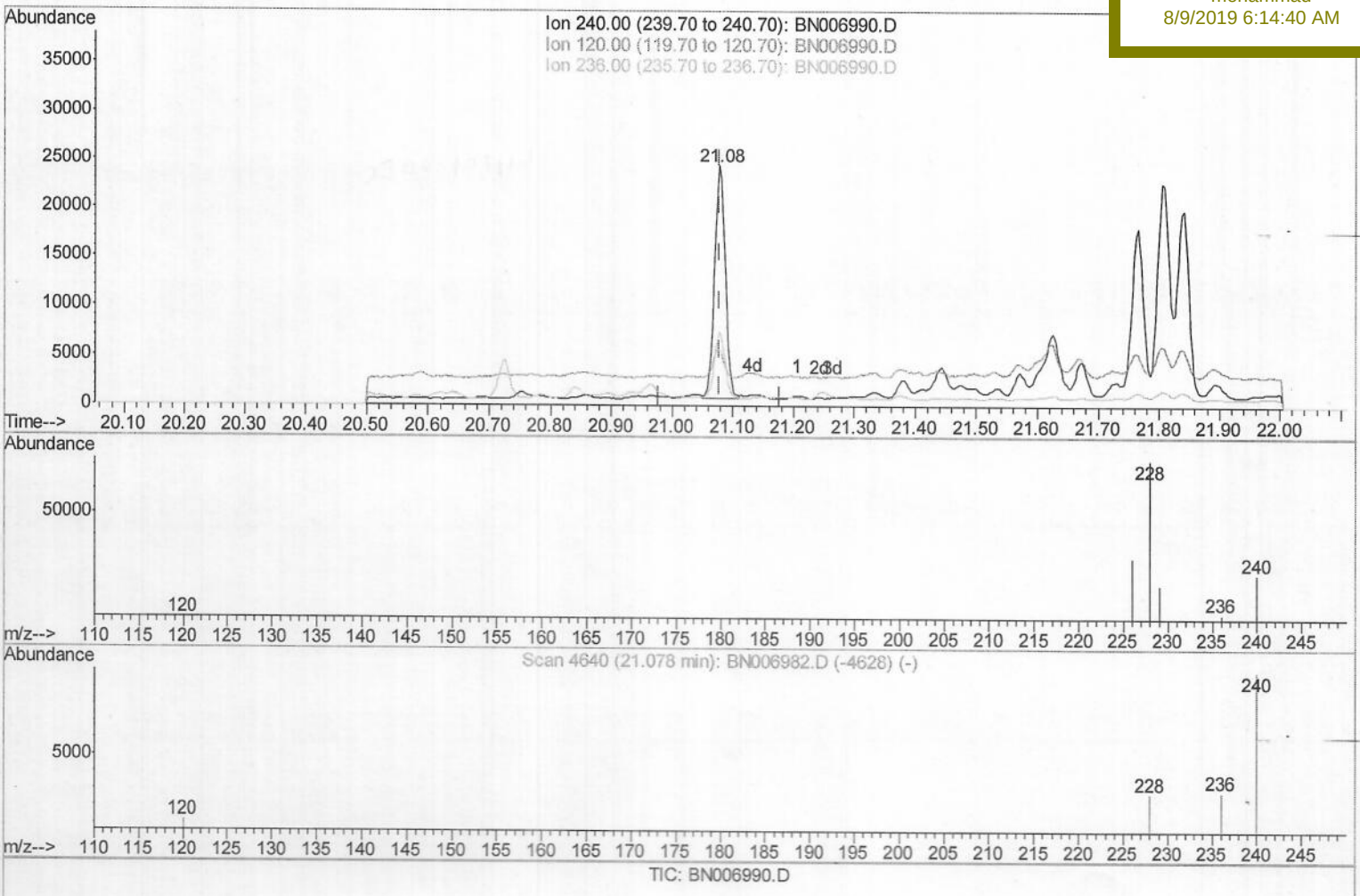
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:18:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(16) Chrysene-d12 (I)

21.078min (-0.000) 0.40ng/ul m JU 08/08/19

response 28804

Ion	Exp%	Act%
240.00	100	100
120.00	13.10	22.95#
236.00	29.00	30.67
0.00	0.00	0.00

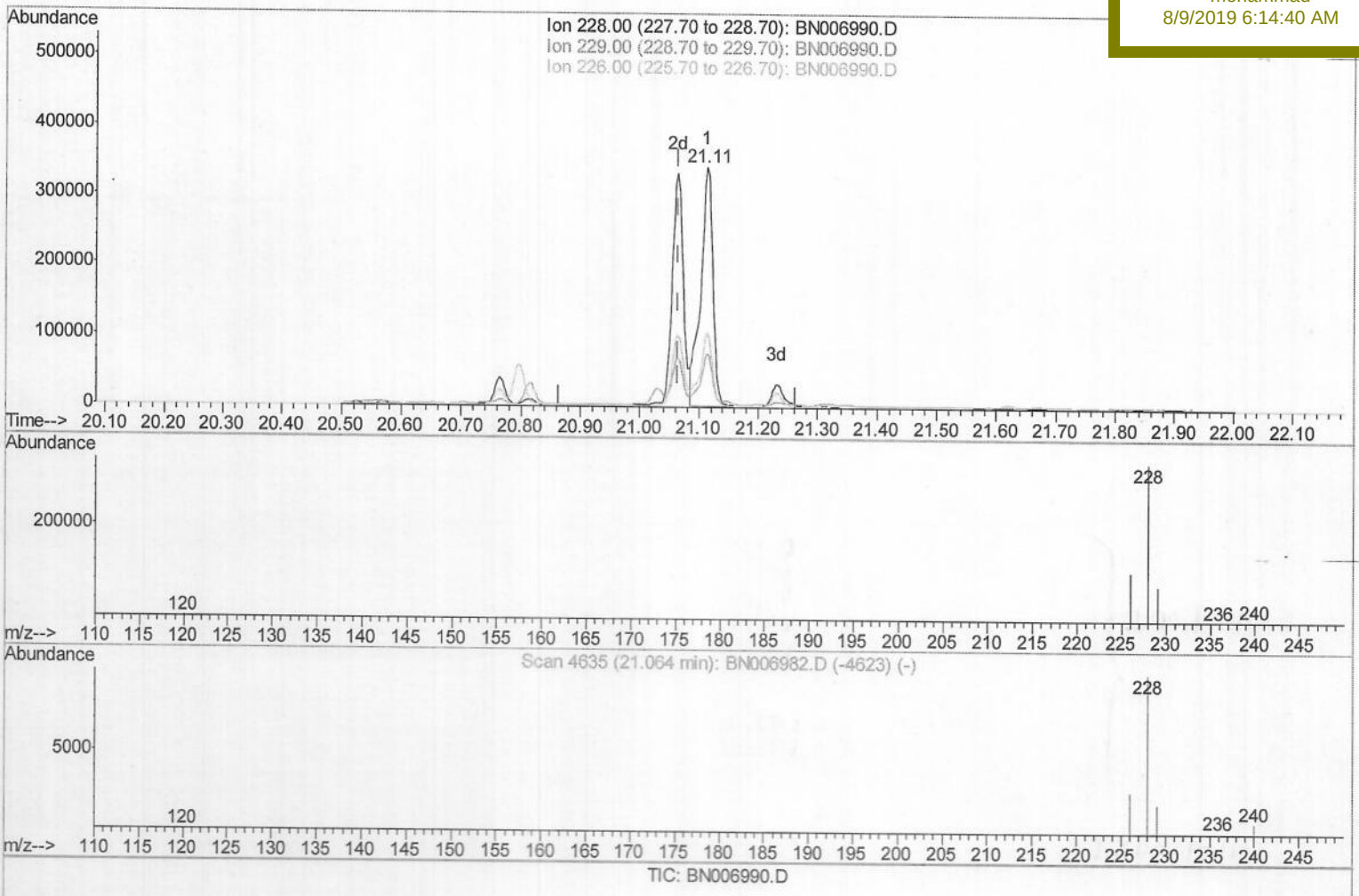
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:19:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(18) Benzo(a)anthracene

21.113min (+0.049) 3.86ng/ul

response 488733

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	22.19
226.00	27.80	30.82
0.00	0.00	0.00

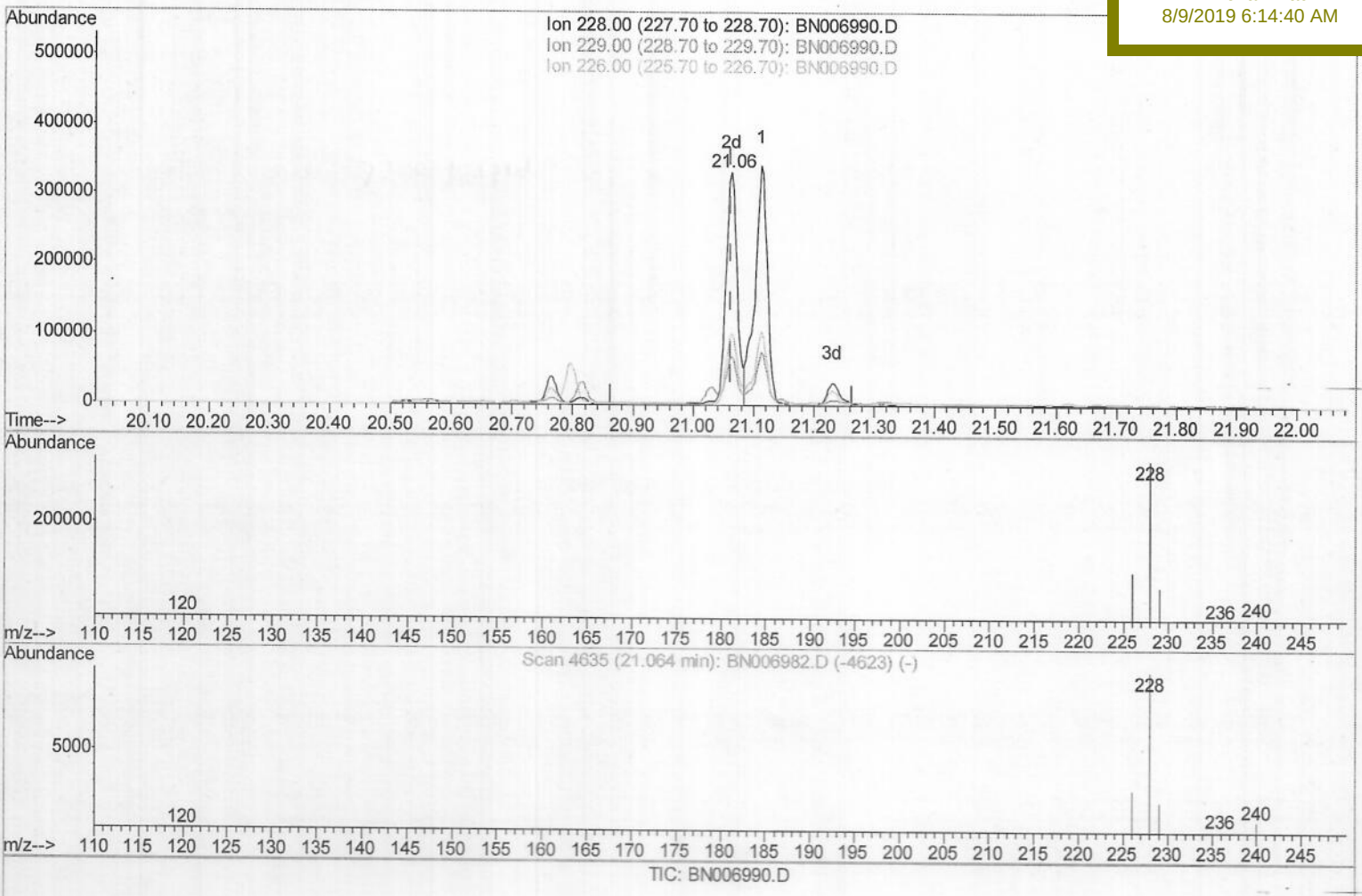
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:19:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(18) Benzo(a)anthracene

21.064min (-0.000) 3.45ng/ul m) JU 08/08/19

response 436763

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	20.95
226.00	27.80	30.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:19:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
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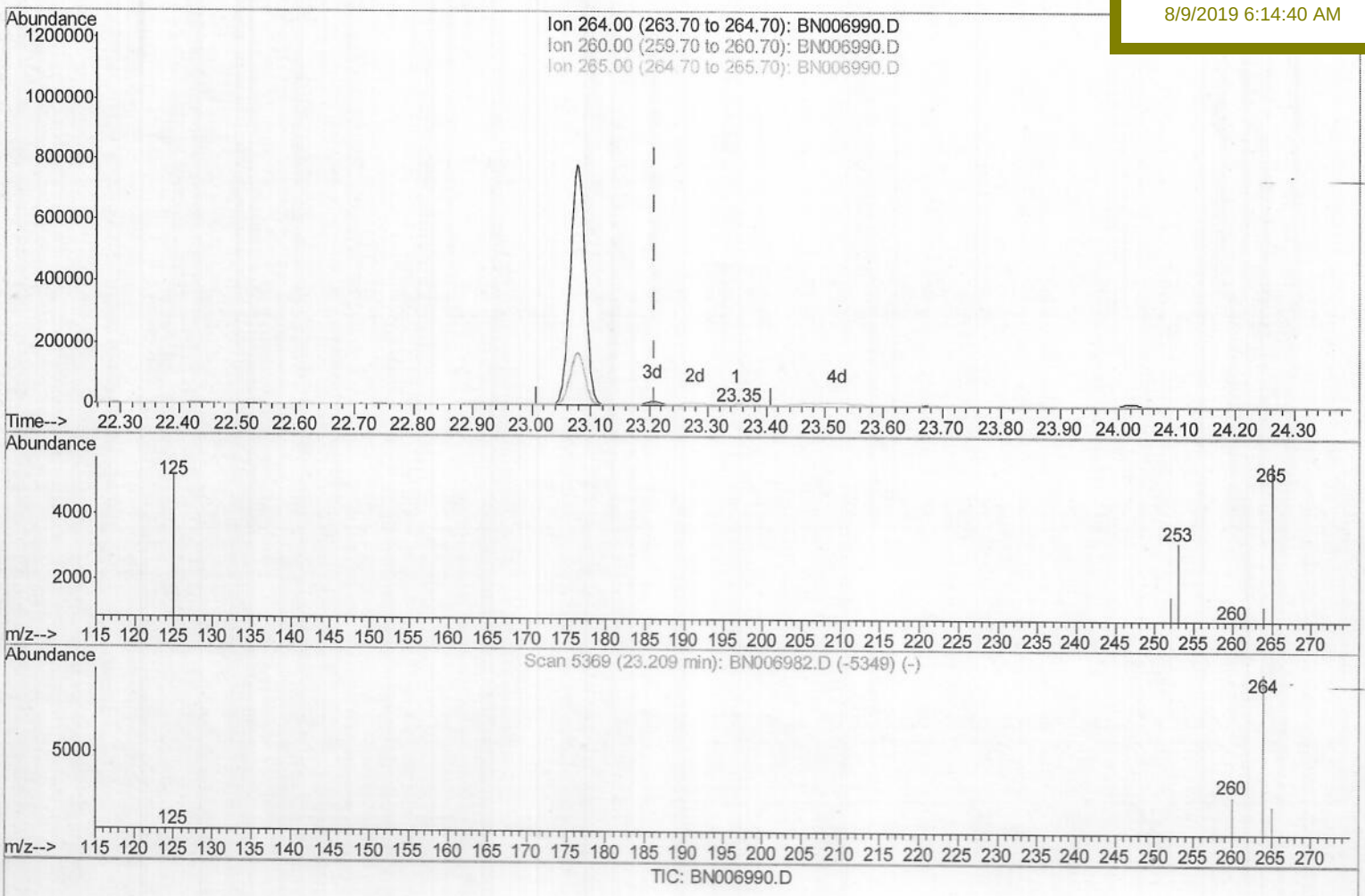
Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(20) Perylene-d12 (I)

23.349min (+0.140) 0.40ng/ul

response 2175

Ion	Exp%	Act%
264.00	100	100
260.00	26.40	64.63#
265.00	27.80	433.46#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:19:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
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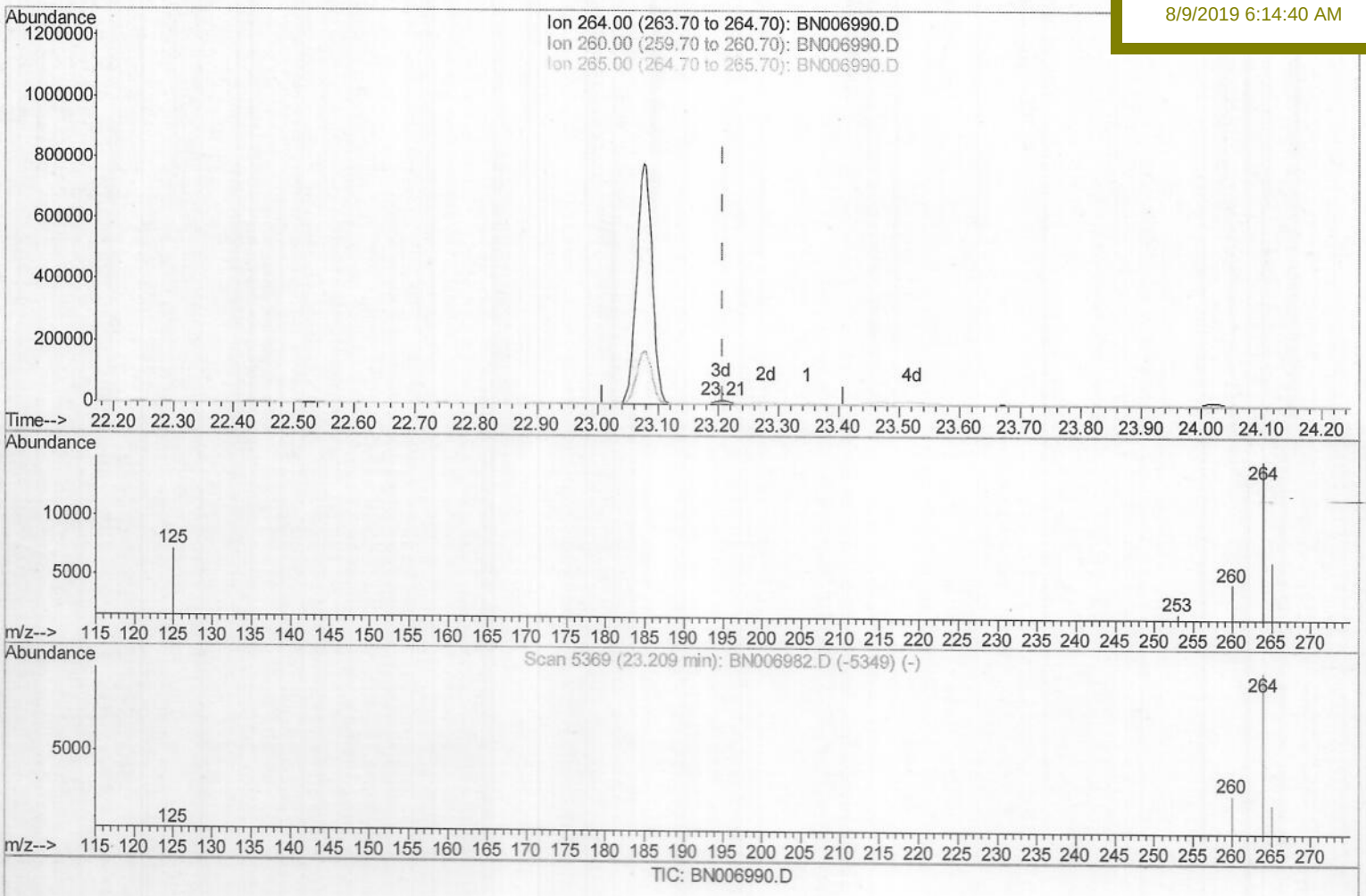
Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(20) Perylene-d12 (I)

23.206min (-0.003) 0.40ng/ul m JU 08/08/19

response 24349

Ion	Exp%	Act%
264.00	100	100
260.00	26.40	30.13
265.00	27.80	42.52#
0.00	0.00	0.00

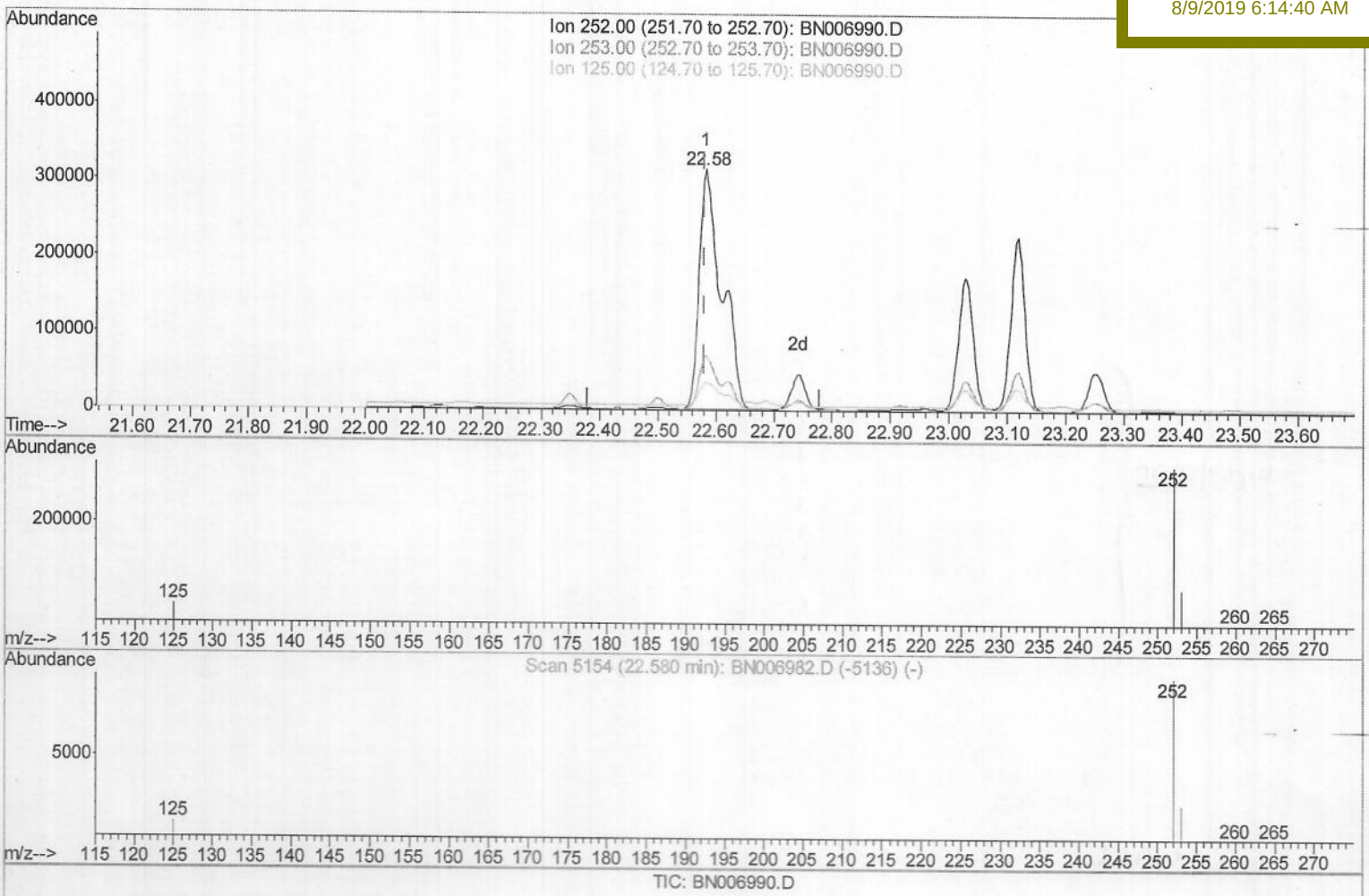
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(21) Benzo(b)fluoranthene

22.583min (+0.003) 8.57ng/ul

response 845941

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.96
125.00	11.10	11.71
0.00	0.00	0.00

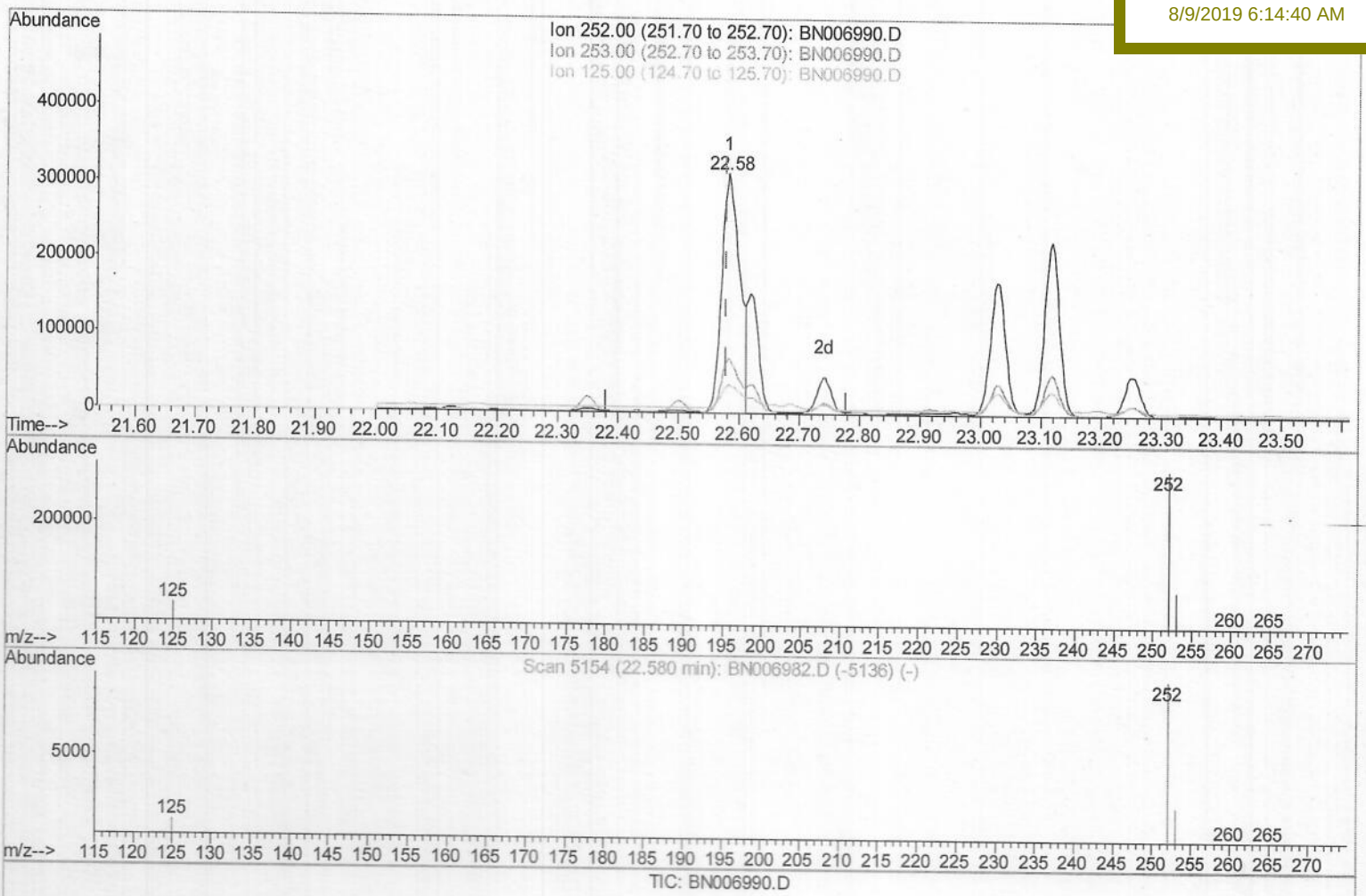
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(21) Benzo(b)fluoranthene

22.583min (+0.003) 6.64ng/ul m JJU 08/08/19

response 655323

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	22.96
125.00	11.10	11.71
0.00	0.00	0.00

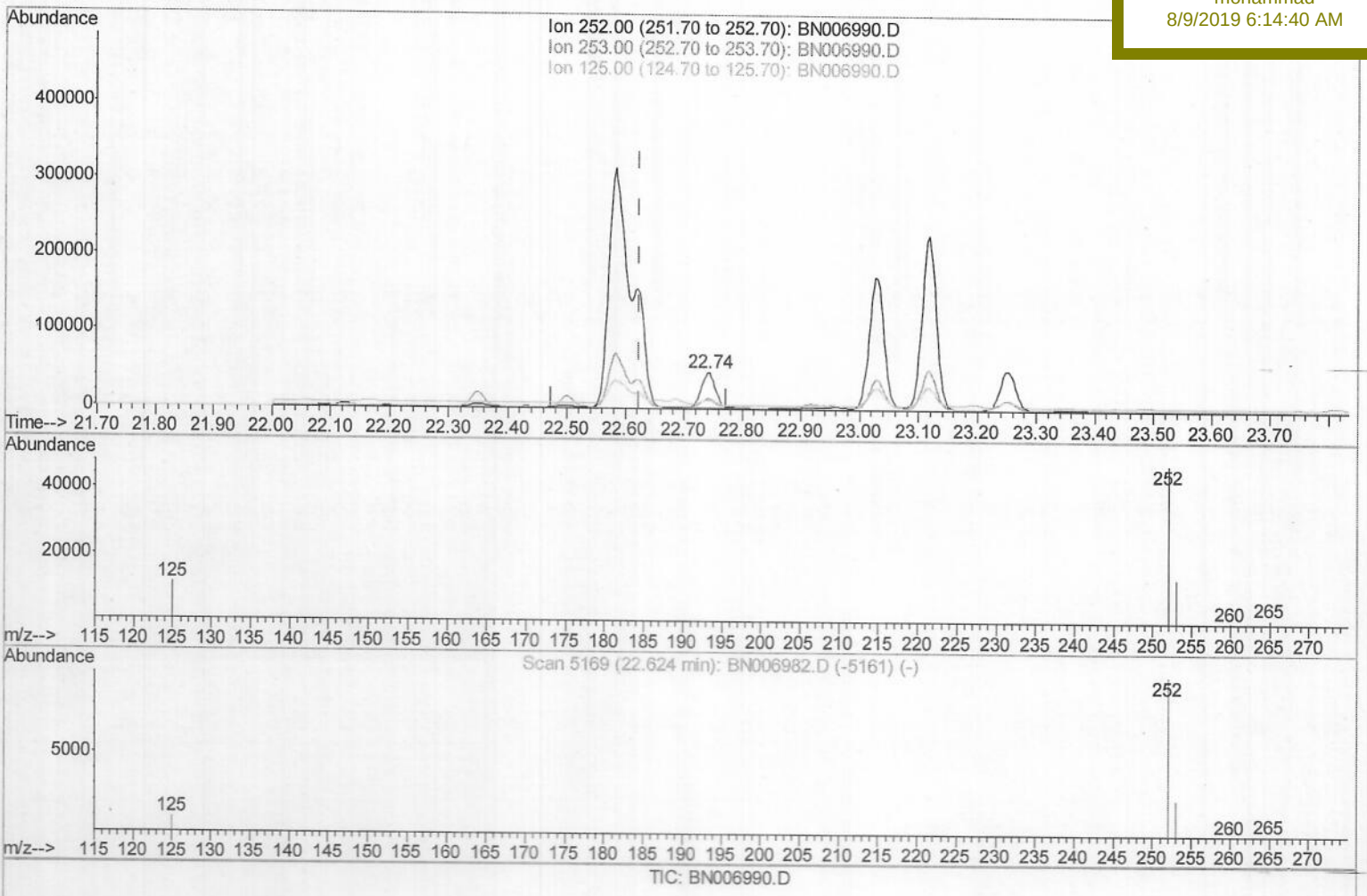
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



(22) Benzo(k)fluoranthene

22.741min (+0.117) 0.85ng/ul

response 81143

Ion	Exp%	Act%
252.00	100	100
253.00	23.30	28.82#
125.00	10.90	24.20#
0.00	0.00	0.00

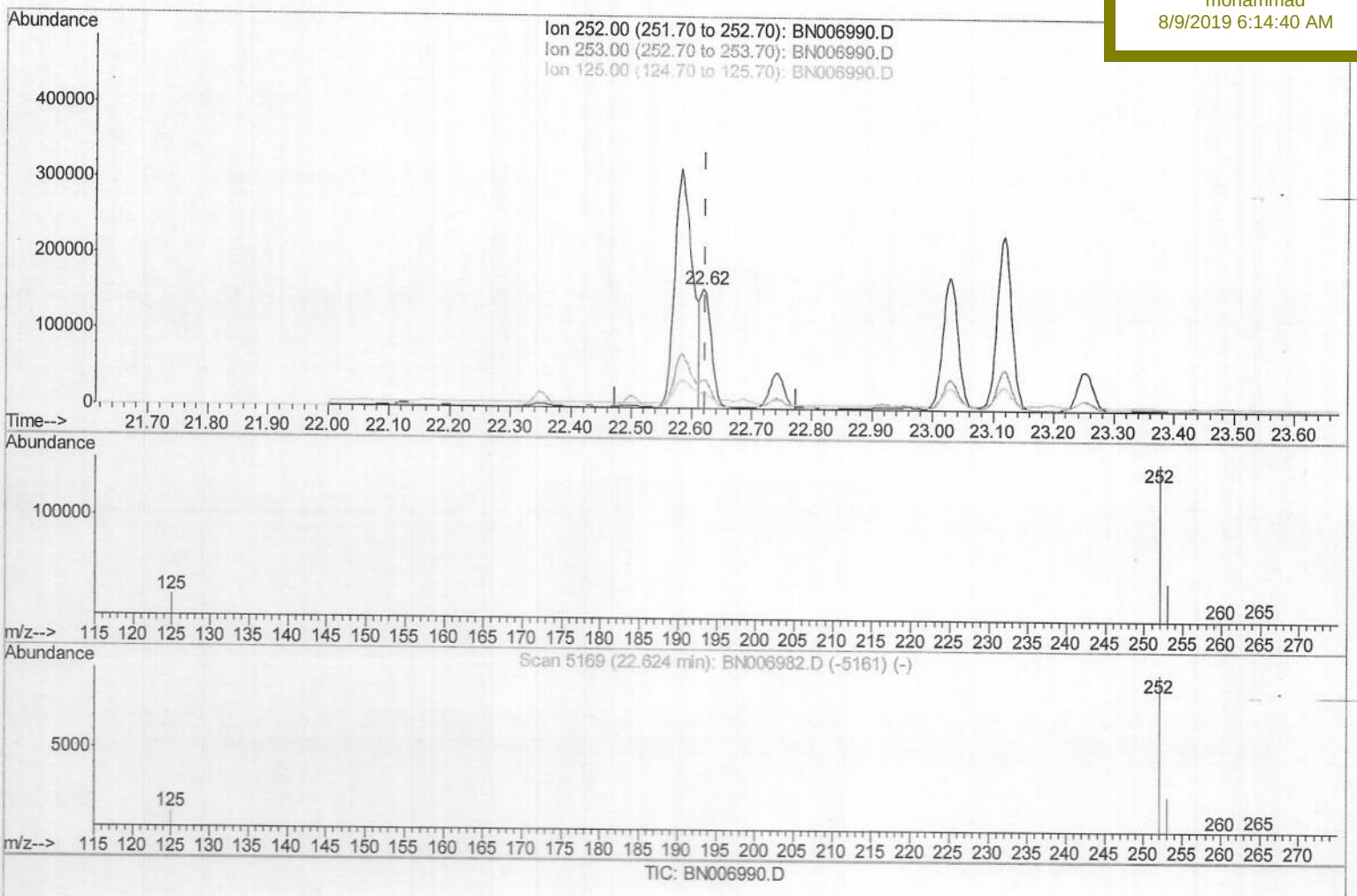
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



(22) Benzo(k)fluoranthene

22.621min (-0.003) 2.09ng/ul m) JU 08/08/19

response 200027

Ion	Exp%	Act%
252.00	100	100
253.00	23.30	23.92
125.00	10.90	13.21#
0.00	0.00	0.00

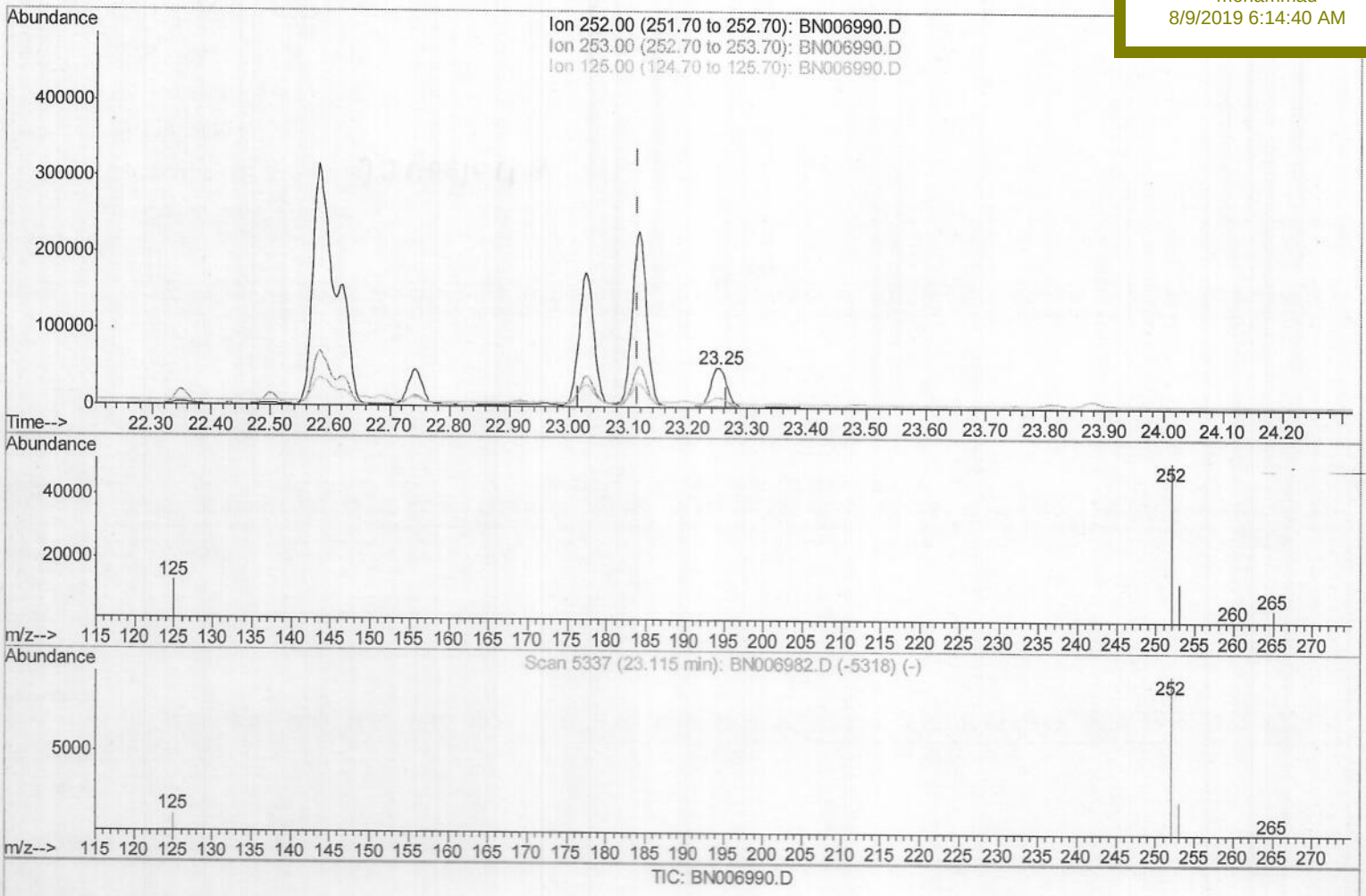
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



(23) Benzo(a)pyrene (C)

23.253min (+0.137) 1.02ng/ul

response 94558

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	25.52
125.00	12.50	24.59#
0.00	0.00	0.00

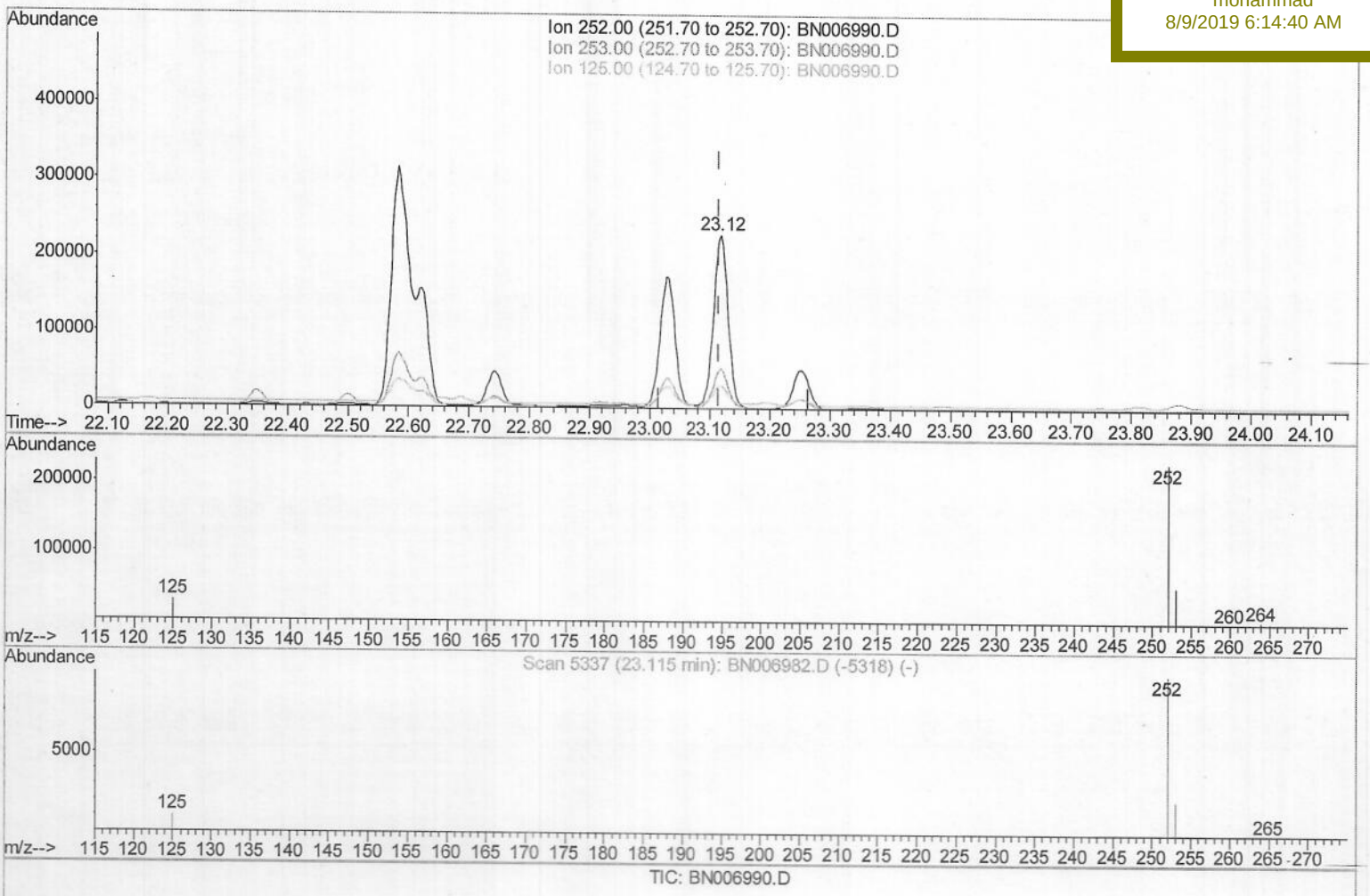
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



(23) Benzo(a)pyrene (C)

23.118min (+0.003) 4.17ng/ul m JU 08/08/19

response 387508

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.28
125.00	12.50	13.06
0.00	0.00	0.00

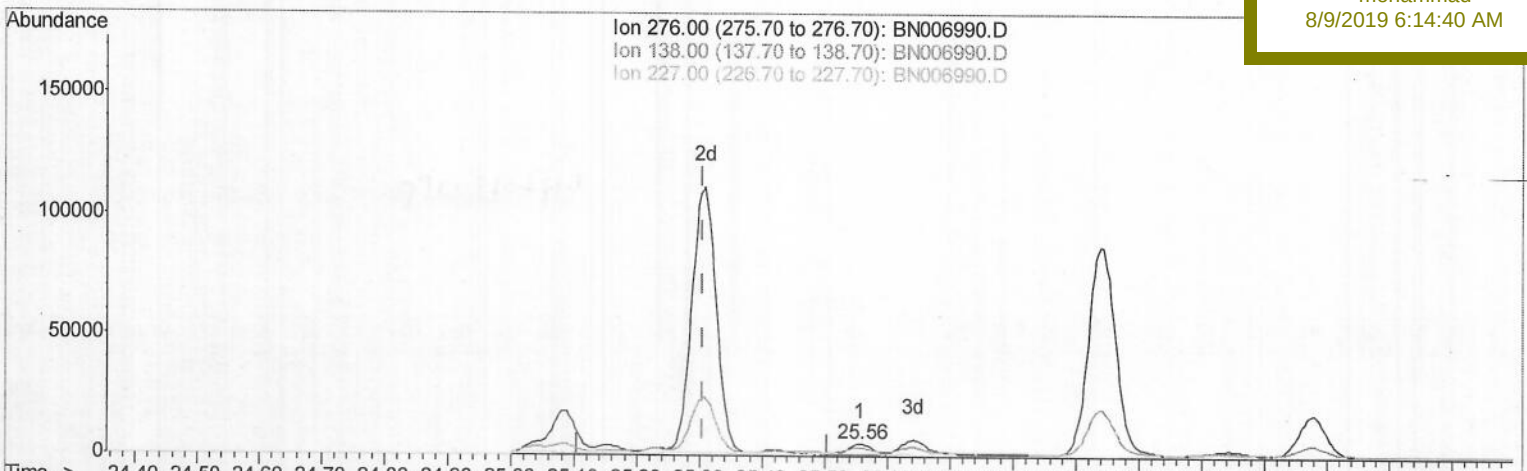
Quantitation Report (Qedit)

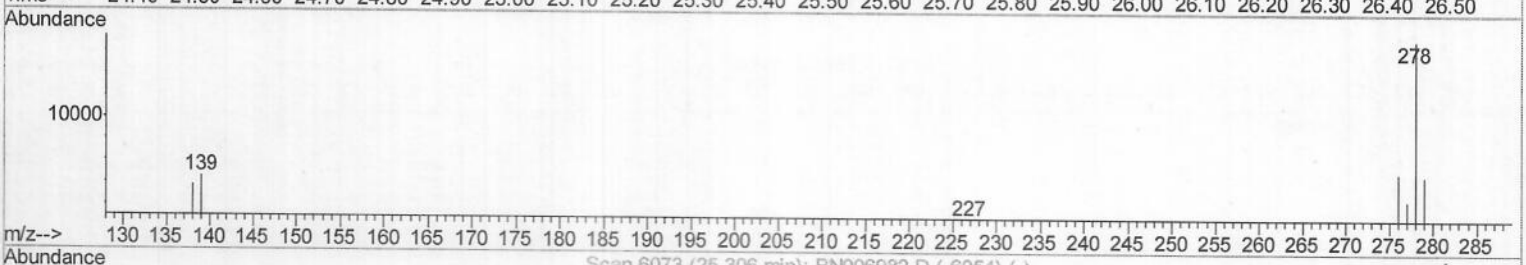
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

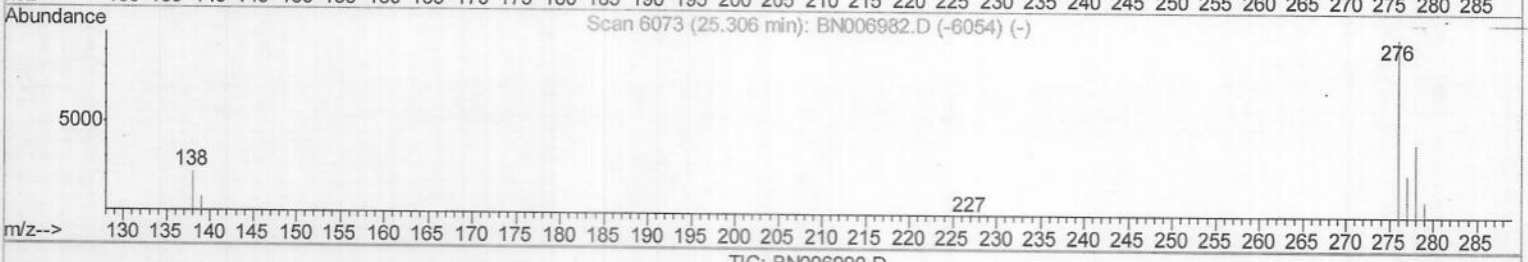
Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM







TIC: BN006990.D

(24) Indeno(1,2,3-cd)pyrene

25.557min (+0.251) 0.12ng/ul

response 12066

Ion	Exp%	Act%
276.00	100	100
138.00	24.90	42.77#
227.00	0.30	0.00#
0.00	0.00	0.00

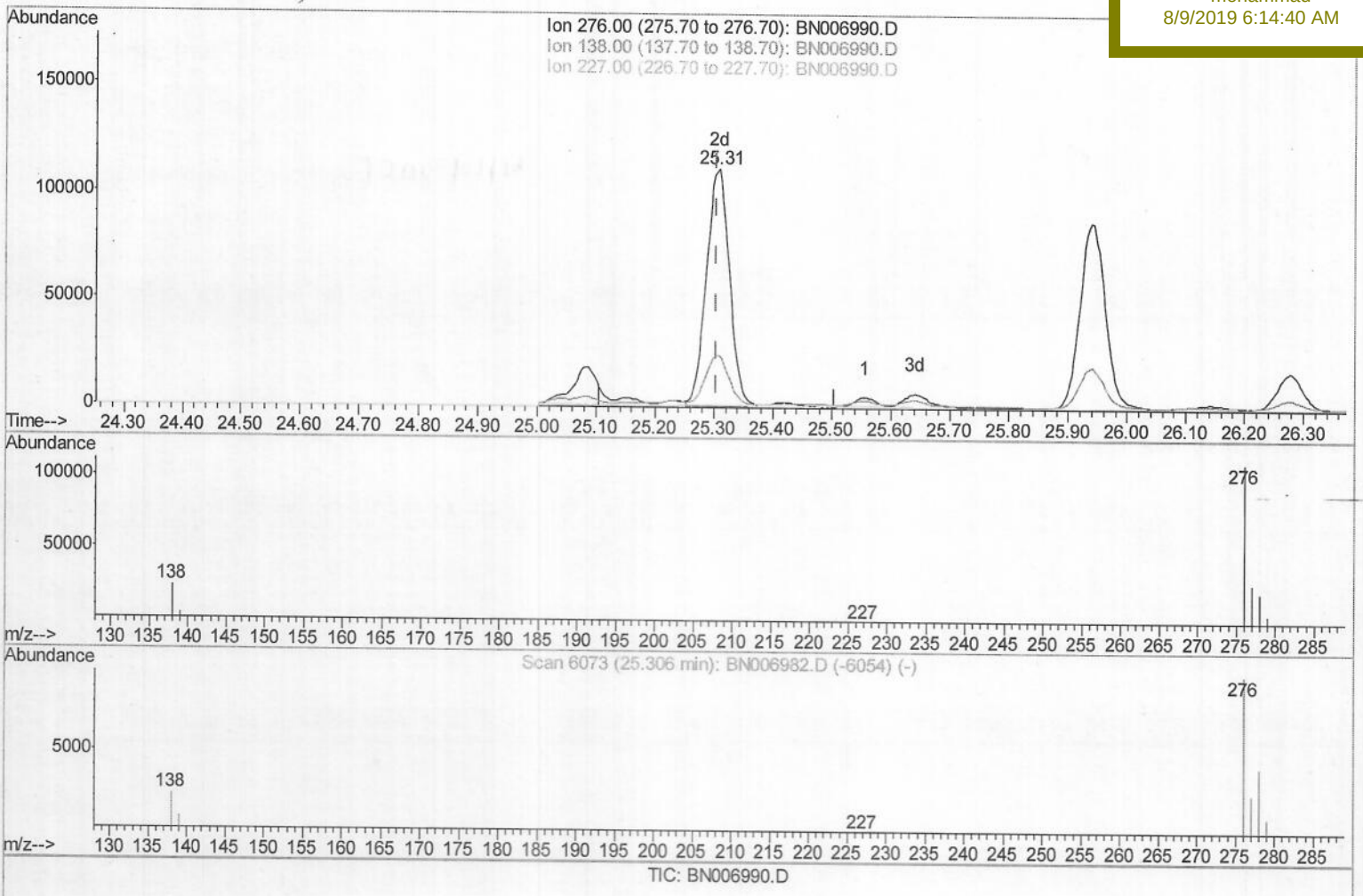
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(24) Indeno(1,2,3-cd)pyrene

25.309min (+0.003) 3.01ng/ul m) JU 08/08/19

response 301648

Ion	Exp%	Act%
276.00	100	100
138.00	24.90	1.71#
227.00	0.30	0.00#
0.00	0.00	0.00

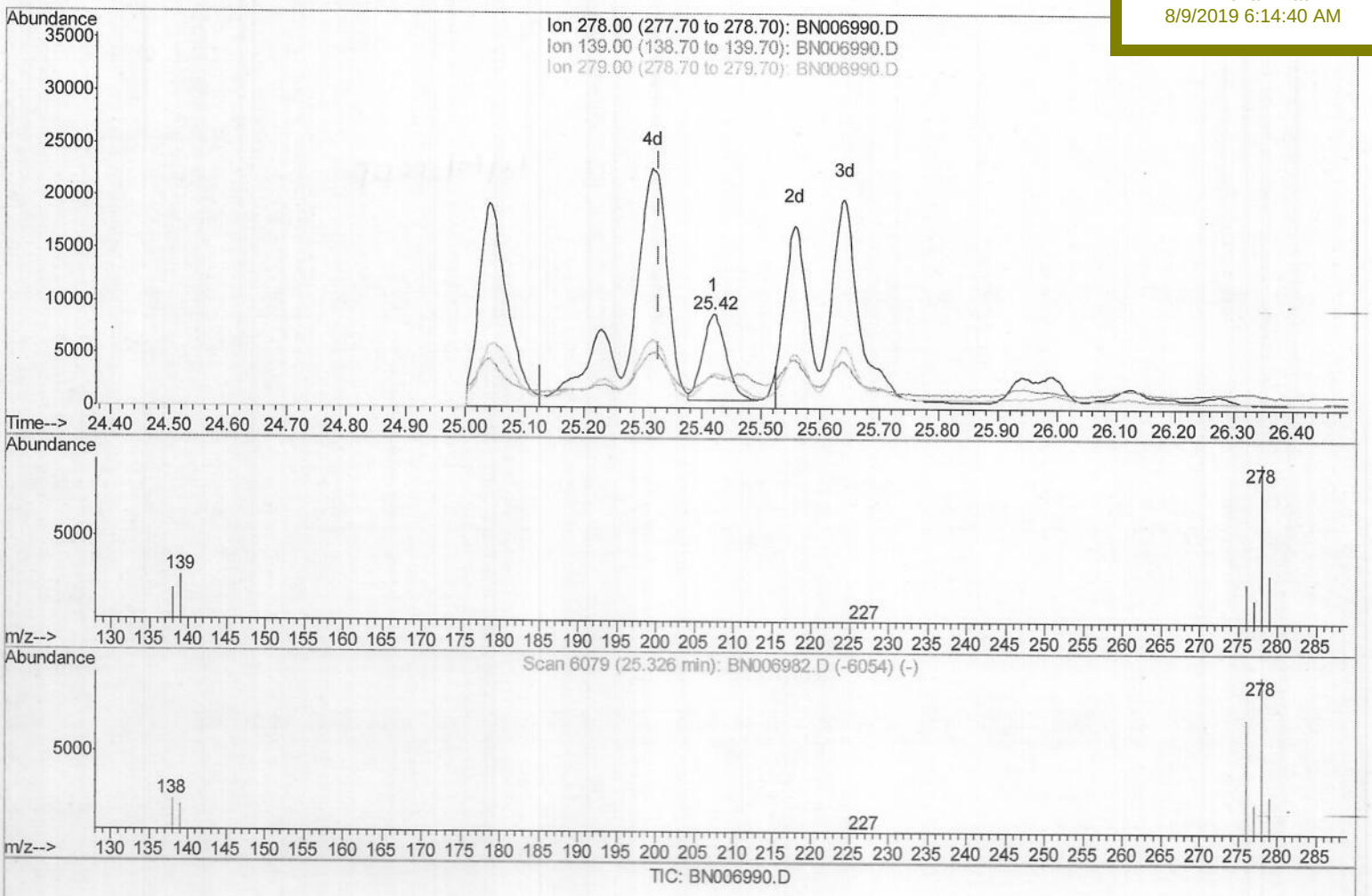
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



TIC: BN006990.D

(25) Dibenzo(a,h)anthracene

25.420min (+0.094) 0.28ng/ul

response 22273

Ion	Exp%	Act%
278.00	100	100
139.00	17.90	33.64#
279.00	24.50	36.05#
0.00	0.00	0.00

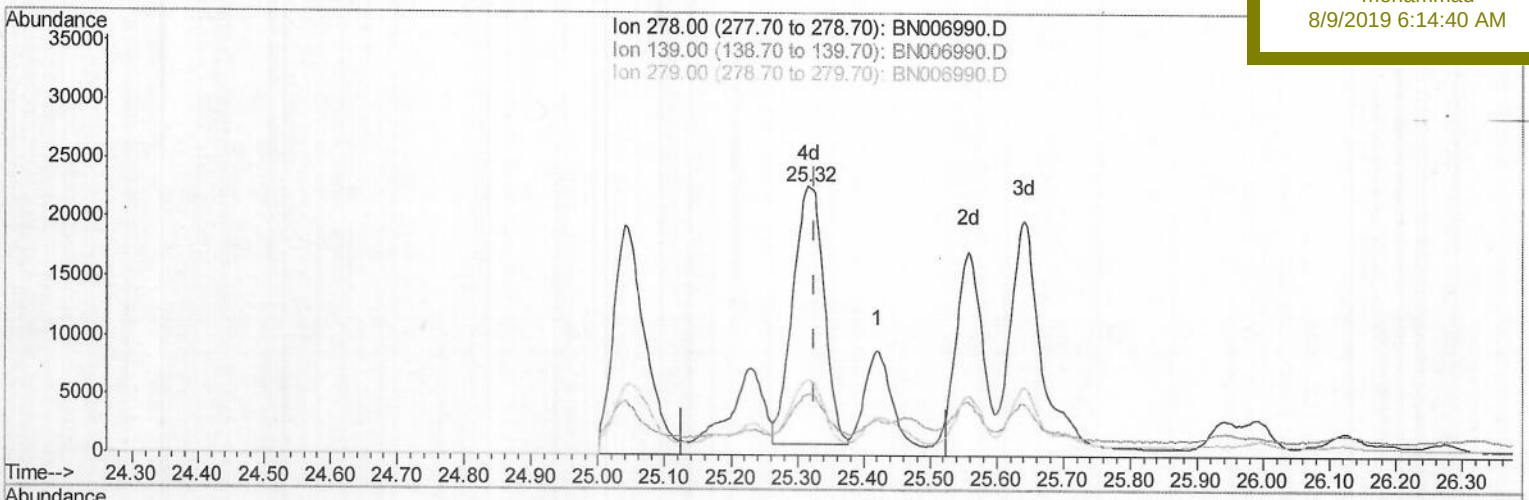
Quantitation Report (Qedit)

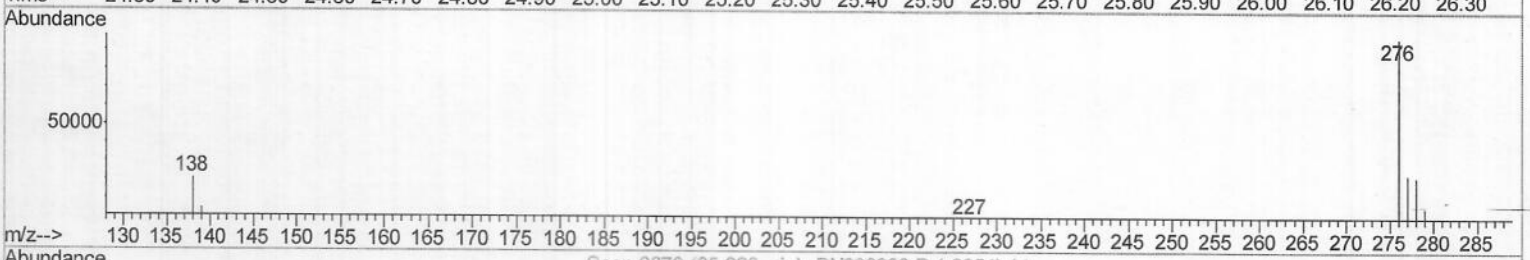
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

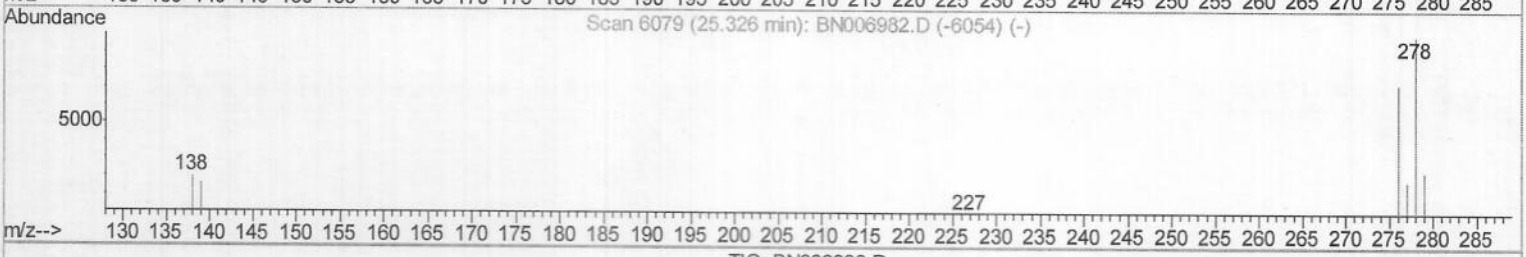
Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM







TIC: BN006990.D

(25) Dibenzo(a,h)anthracene

25.316min (-0.010) 0.89ng/ul m) JU 08/08/19

response 71413

Ion	Exp%	Act%
278.00	100	100
139.00	17.90	22.70#
279.00	24.50	28.18
0.00	0.00	0.00

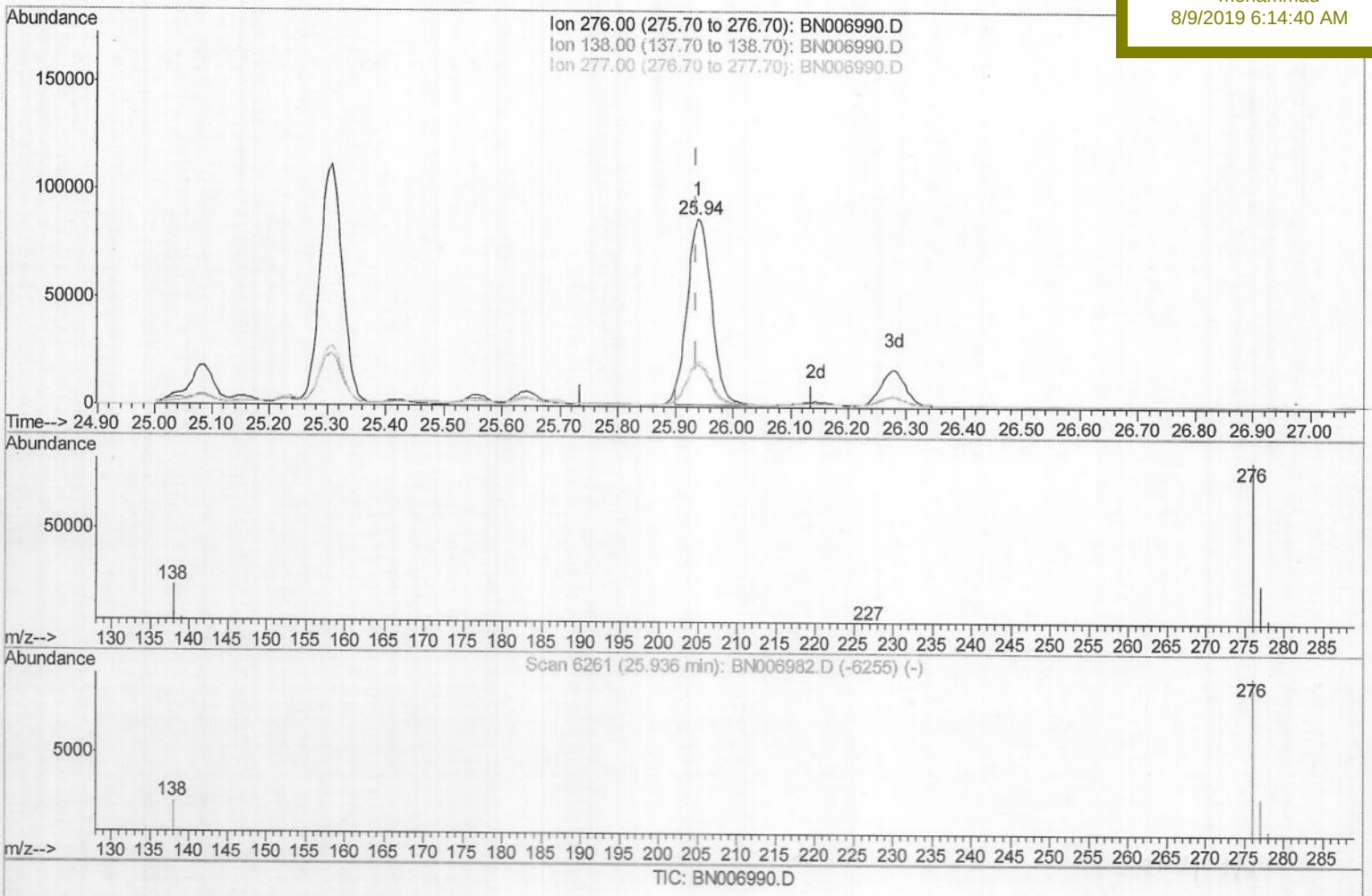
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM



(26) Benzo(g,h,i)perylene

25.940min (+0.003) 3.05ng/ul

response 256094

Ion	Exp%	Act%
276.00	100	100
138.00	23.40	22.52
277.00	24.10	24.28
0.00	0.00	0.00

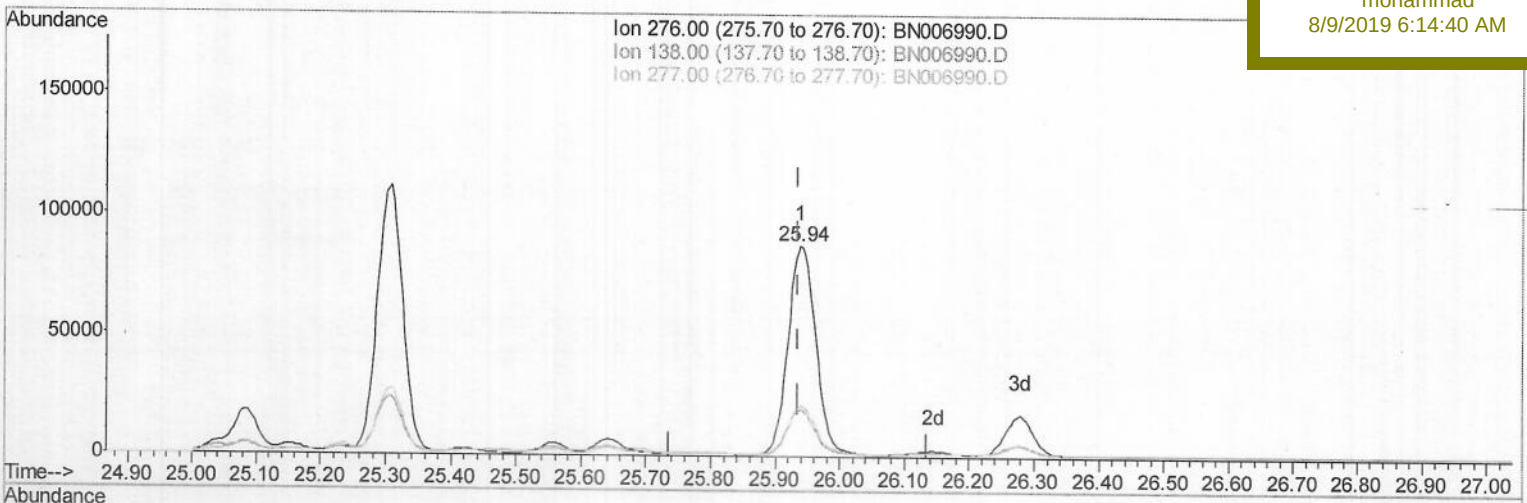
Quantitation Report (Qedit)

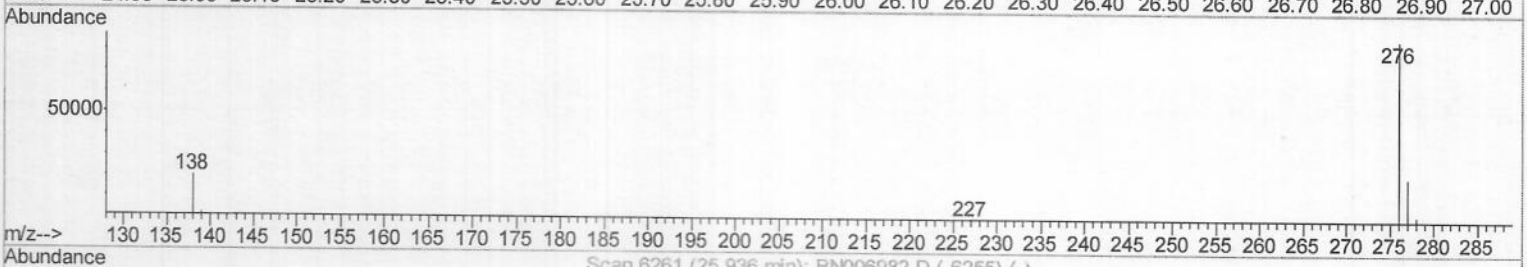
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

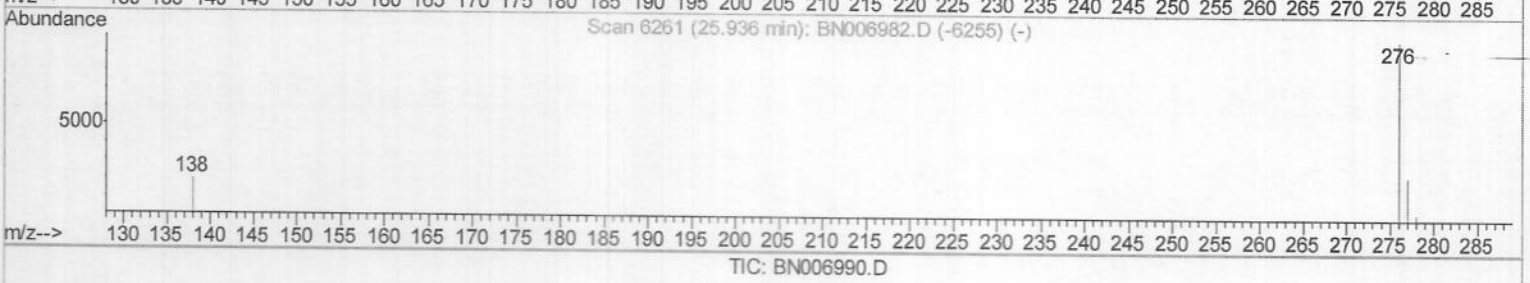
Quant Time: Aug 07 18:20:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM







TIC: BN006990.D

(26) Benzo(g,h,i)perylene

25.940min (+0.003) 3.20ng/ul m) JU 08/08/19

response 269190

Ion	Exp%	Act%
276.00	100	100
138.00	23.40	22.52
277.00	24.10	24.28
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN080719\
Data File : BN006990.D
Acq On : 07 Aug 2019 16:45
Operator : HP/JU
Sample : K3893-17
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 18:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN080719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 17:30:08 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : BEP21

Manual Integrations APPROVED
mohammad
8/9/2019 6:14:40 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.47	152	6755	0.40	ng/ul	0.00
2) Naphthalene-d8	10.23	136	26961	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	16658	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.86	188	41828m	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	28804m	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	24349m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.83	152	13805	0.29	ng/ul	0.00
14) Fluoranthene-d10	18.90	212	30366m	0.23	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.28	128	15616	0.201	ng/ul	99
5) 2-Methylnaphthalene	11.91	142	11157	0.192	ng/ul	99
7) Acenaphthylene	13.83	152	40020	0.415	ng/ul	99
8) Acenaphthene	14.18	153	10460	0.158	ng/ul	100
9) Fluorene	15.17	166	15969	0.199	ng/ul	98
12) Phenanthrene	16.90	178	394695m	2.961	ng/ul	
13) Anthracene	16.99	178	69417m	0.509	ng/ul	
15) Fluoranthene	18.93	202	1070195m	6.459	ng/ul	
17) Pyrene	19.30	202	890689	6.926	ng/ul	99
18) Benzo(a)anthracene	21.06	228	436763m	3.452	ng/ul	
19) Chrysene	21.11	228	488733	4.125	ng/ul	98
21) Benzo(b)fluoranthene	22.58	252	655323m	6.639	ng/ul	
22) Benzo(k)fluoranthene	22.62	252	200027m	2.091	ng/ul	
23) Benzo(a)pyrene	23.12	252	387508m	4.169	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.31	276	301648m	3.011	ng/ul	
25) Dibenzo(a,h)anthracene	25.32	278	71413m	0.892	ng/ul	
26) Benzo(g,h,i)perylene	25.94	276	269190m	3.203	ng/ul	

JU 08/08/19

JU 08/08/19

JU 08/08/19

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