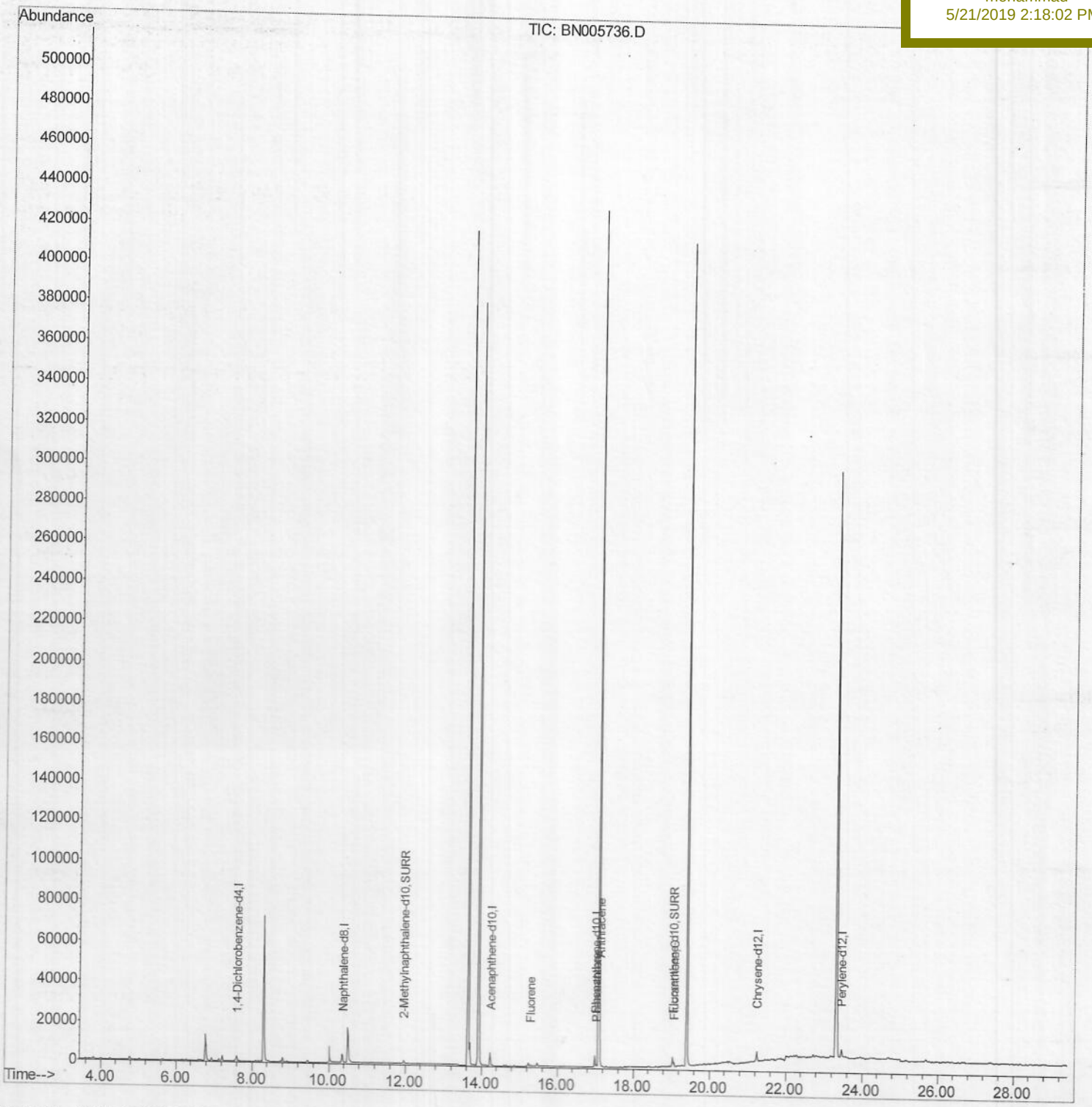
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 01:00:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



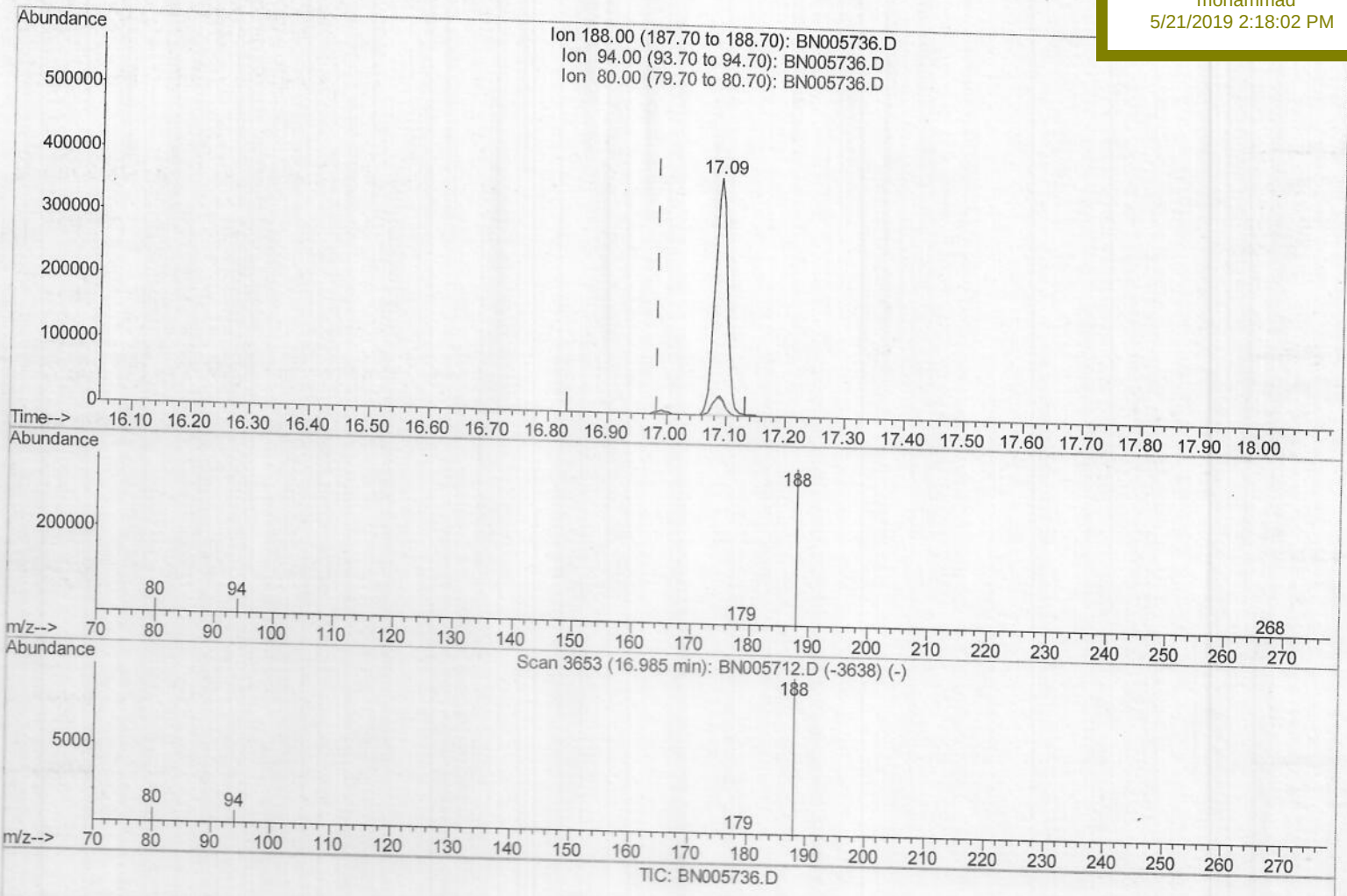
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:50:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



(10) Phenanthrene-d10 (I)

17.090min (+0.106) 0.40ng/ul

response 529165

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	8.12
80.00	9.80	7.48#
0.00	0.00	0.00

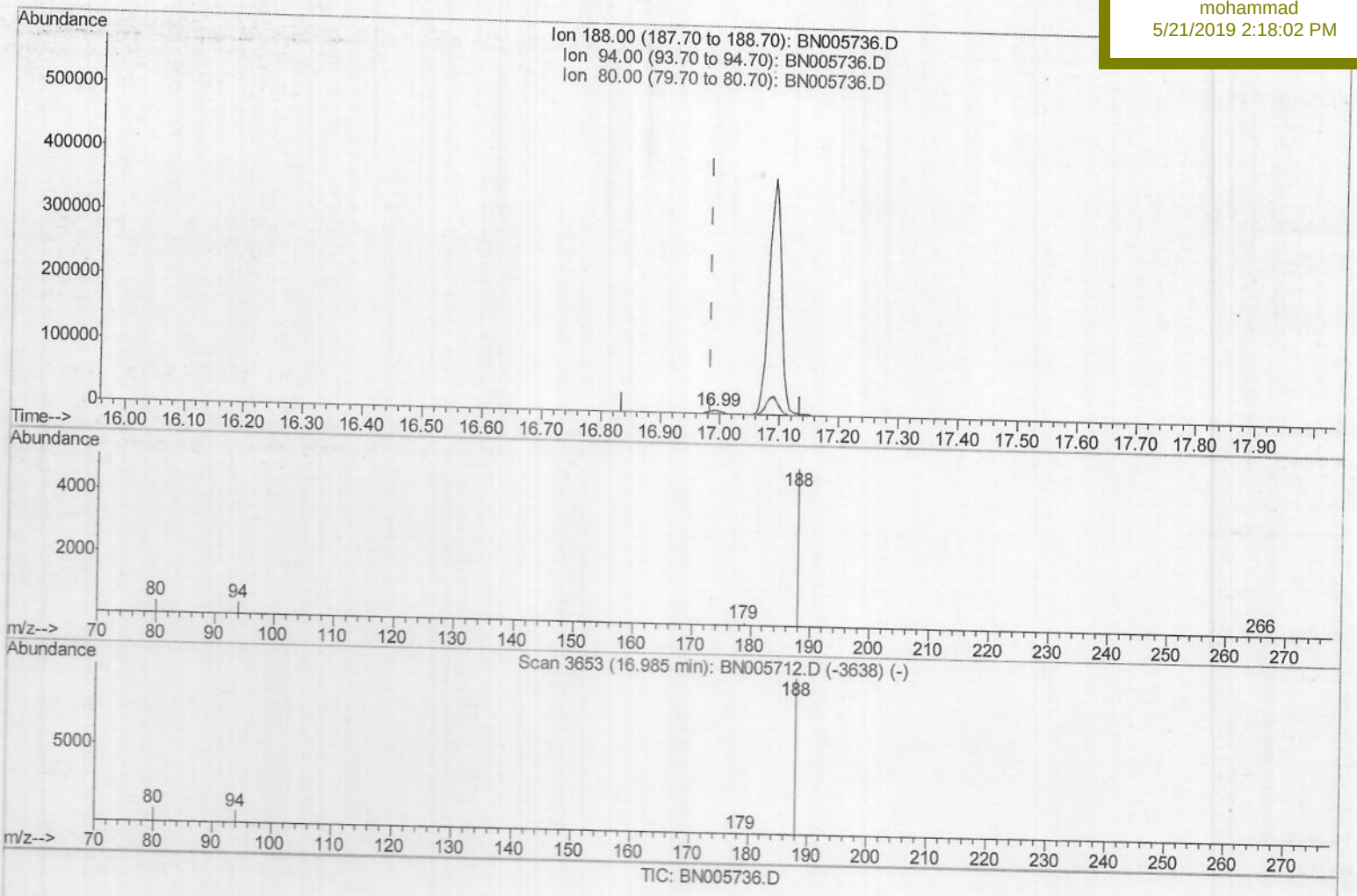
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:50:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



TIC: BN005736.D

(10) Phenanthrene-d10 (I)

16.993min (+0.009) 0.40ng/ul m) JU 05/22/19

response 7702

Ion	Exp%	Act%
188.00	100	100
94.00	9.40	8.72
80.00	9.80	8.87
0.00	0.00	0.00

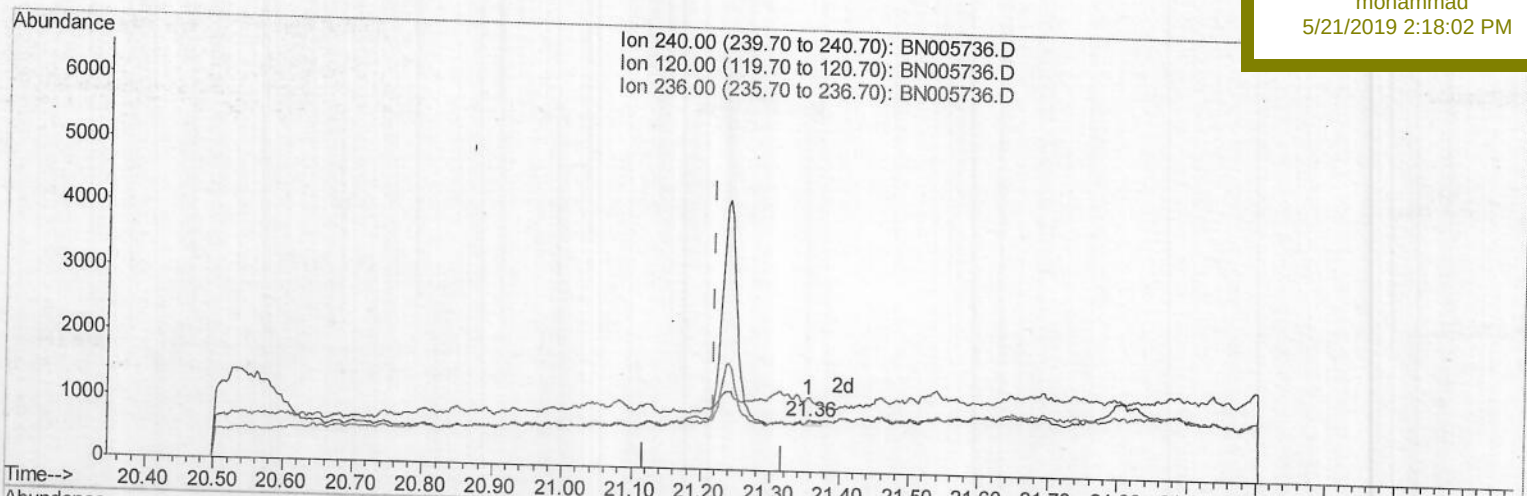
Quantitation Report (Qedit)

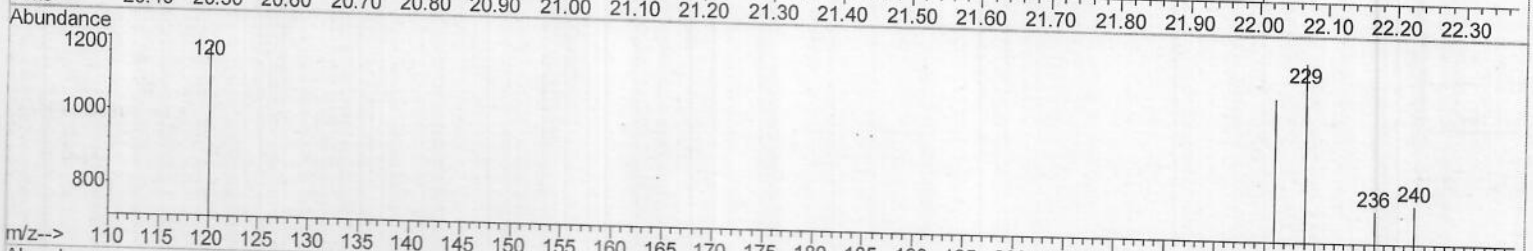
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

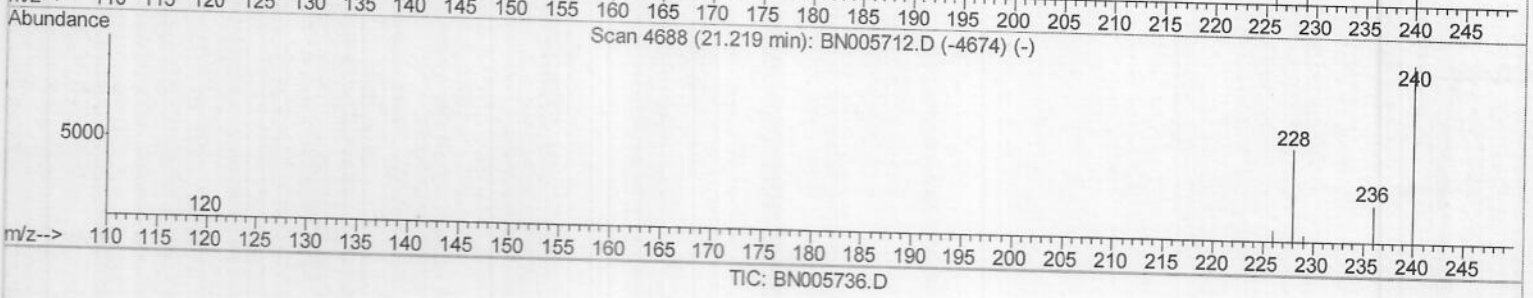
Quant Time: May 18 00:50:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM







TIC: BN005736.D

(16) Chrysene-d12 (I)

21.356min (+0.137) 0.40ng/ul

response 69

Ion	Exp%	Act%
240.00	100	100
120.00	11.90	144.50#
236.00	28.00	97.80#
0.00	0.00	0.00

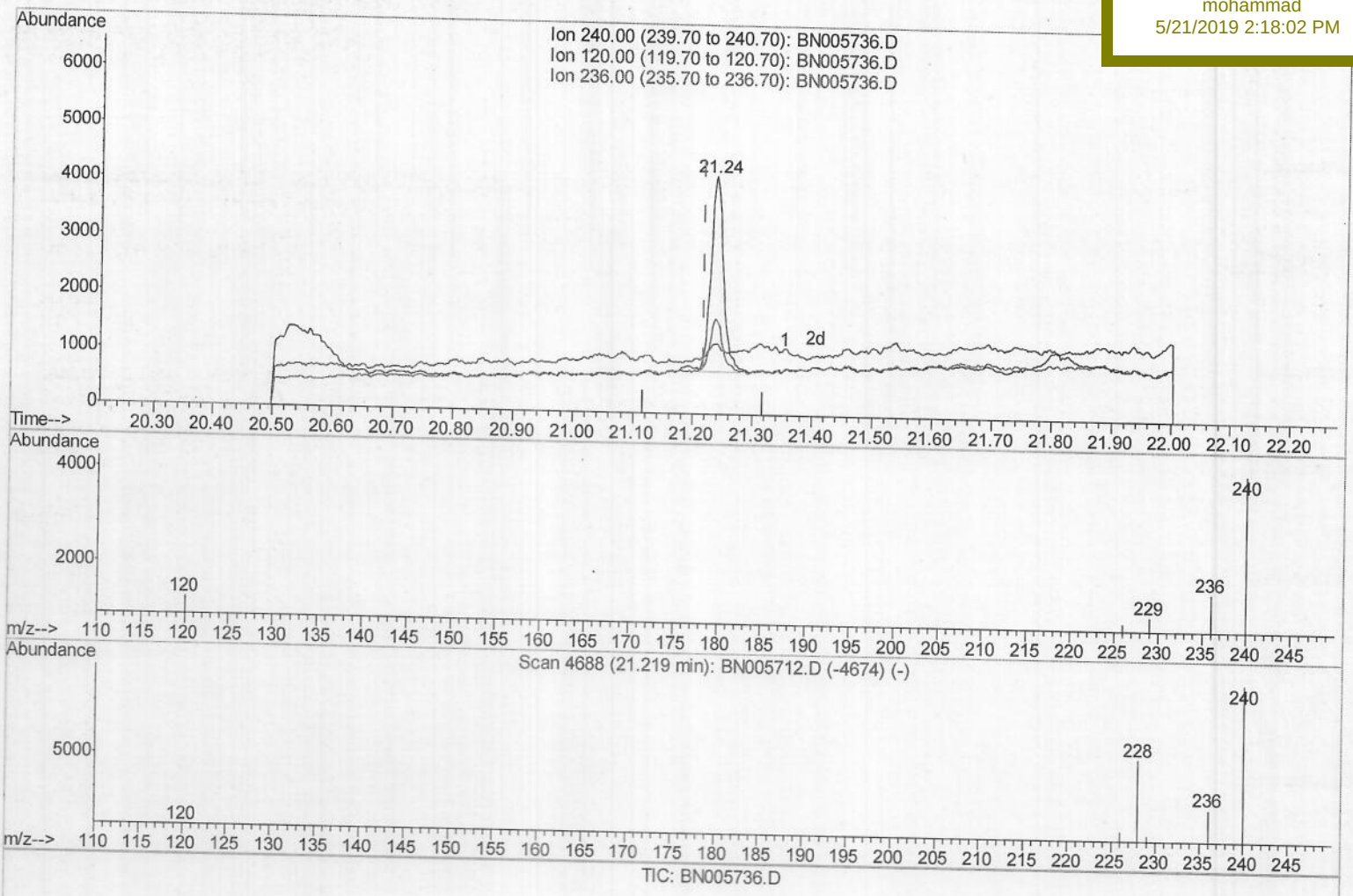
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:50:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



TIC: BN005736.D

(16) Chrysene-d12 (I)

21.239min (+0.021) 0.40ng/ul m)JU05/22/19

response 5033

Ion	Exp%	Act%
240.00	100	100
120.00	11.90	29.53#
236.00	28.00	39.84#
0.00	0.00	0.00

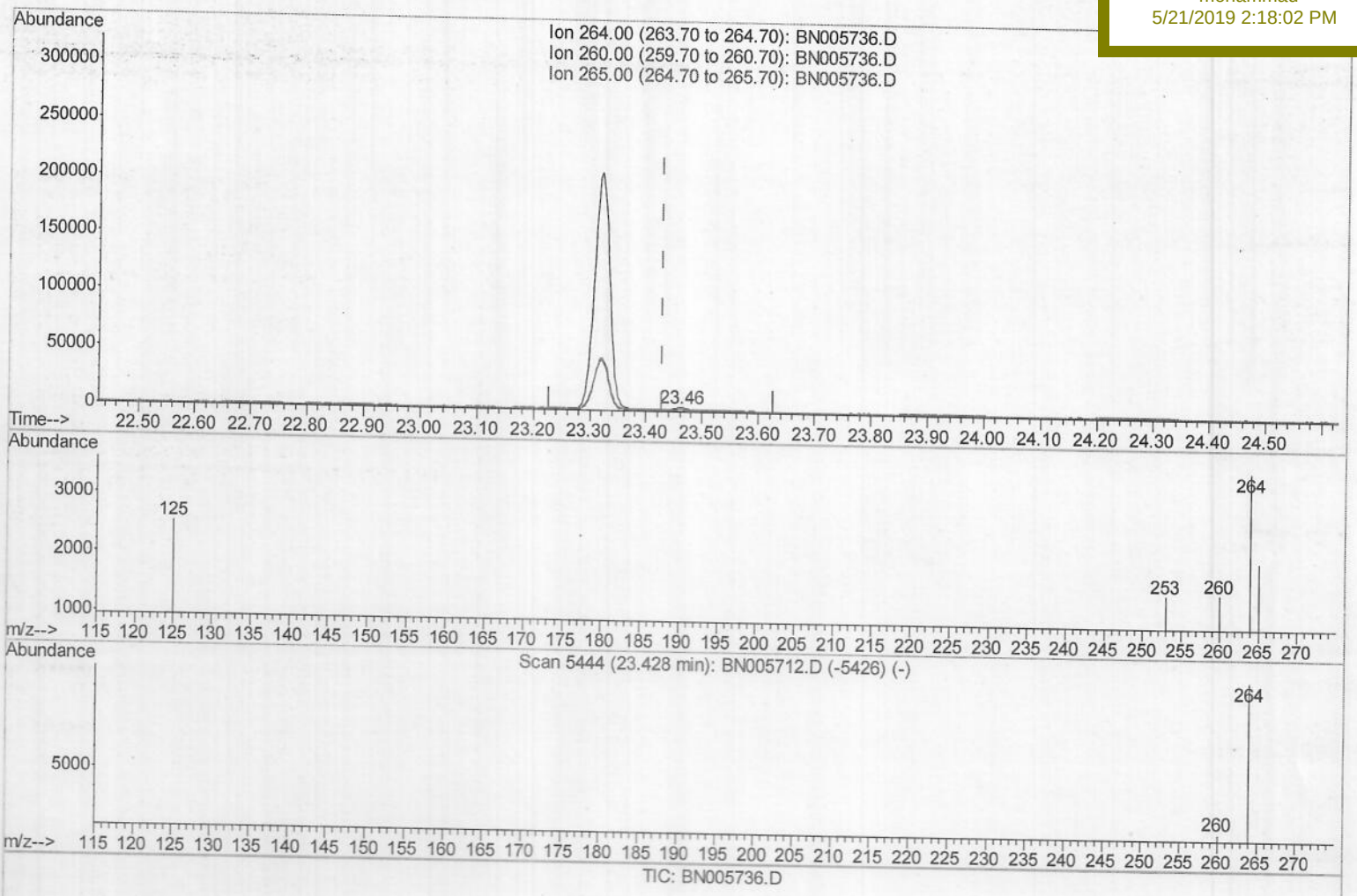
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:50:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



TIC: BN005736.D

(20) Perylene-d12 (I)

23.460min (+0.032) 0.40ng/ul

response 6672

Ion	Exp%	Act%
264.00	100	100
260.00	25.30	42.25#
265.00	31.70	57.70#
0.00	0.00	0.00

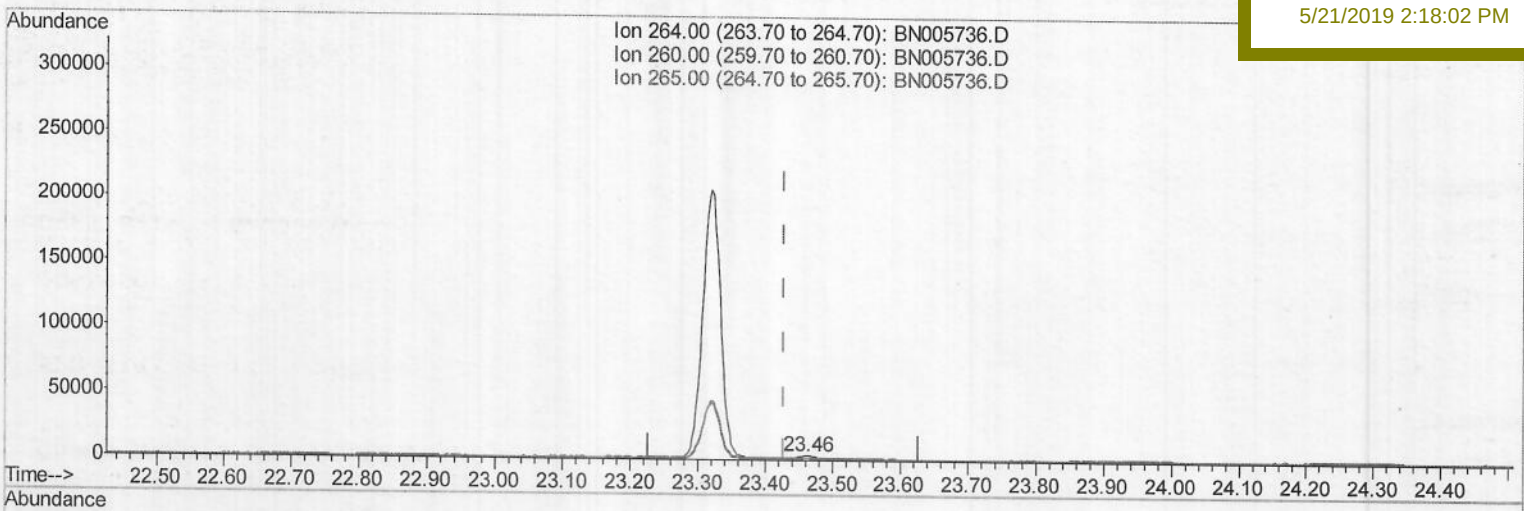
Quantitation Report (Qedit)

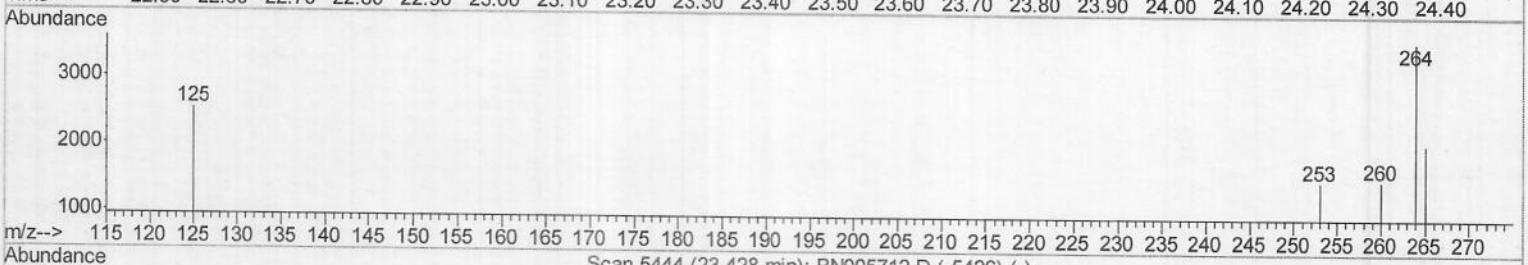
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

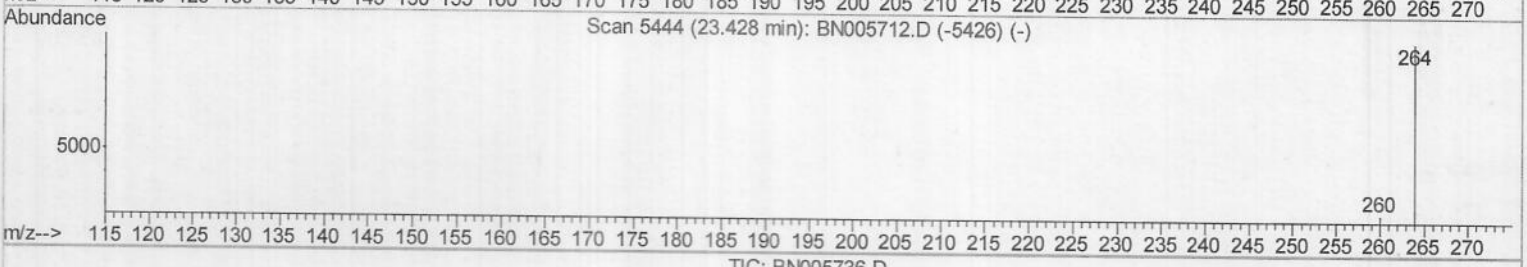
Quant Time: May 18 00:50:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM







(20) Perylene-d12 (I)

23.460min (+0.032) 0.40ng/ul m) JU05|22|19

response 4857

Ion	Exp%	Act%
264.00	100	100
260.00	25.30	42.25#
265.00	31.70	57.70#
0.00	0.00	0.00

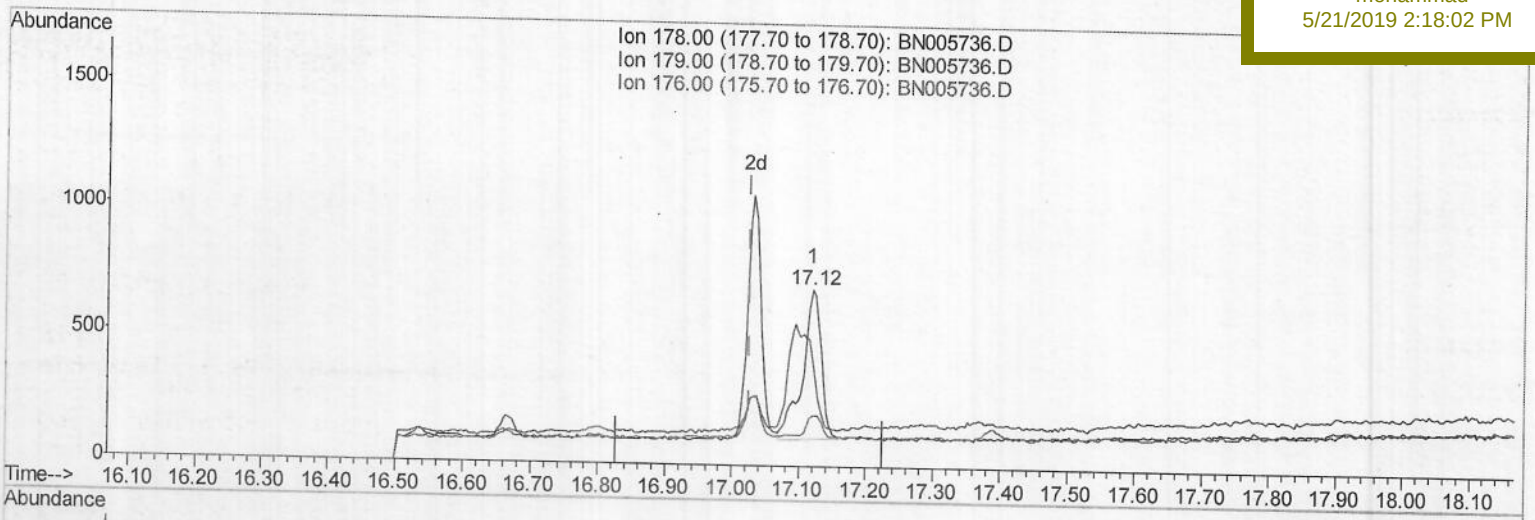
Quantitation Report (Qedit)

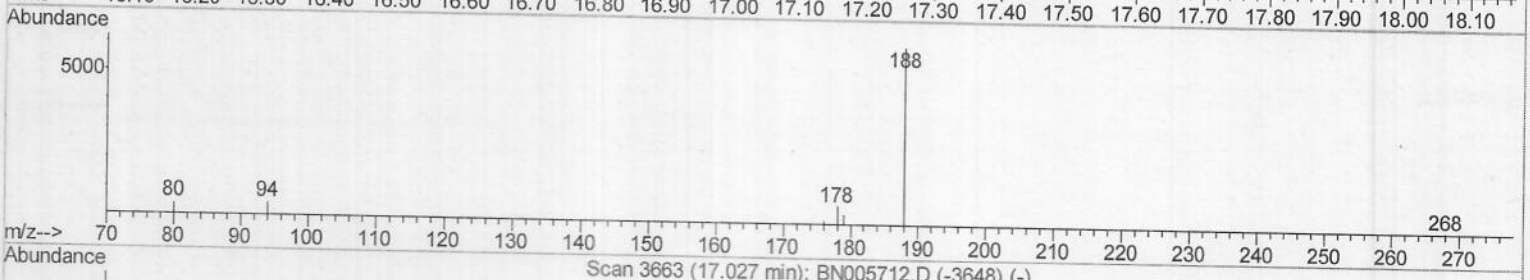
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

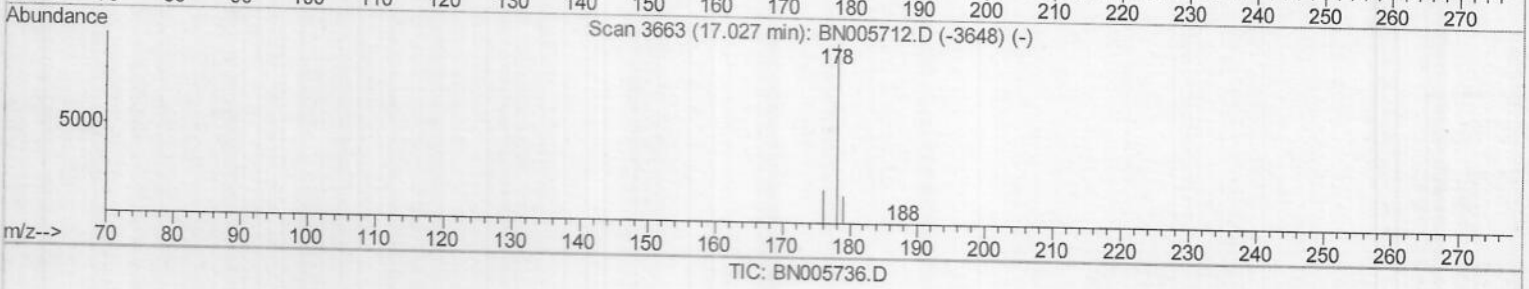
Quant Time: May 18 00:57:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM







TIC: BN005736.D

(12) Phenanthrene

17.120min (+0.093) 0.05ng/ul

response 1133

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	58.21#
176.00	19.10	28.53#
0.00	0.00	0.00

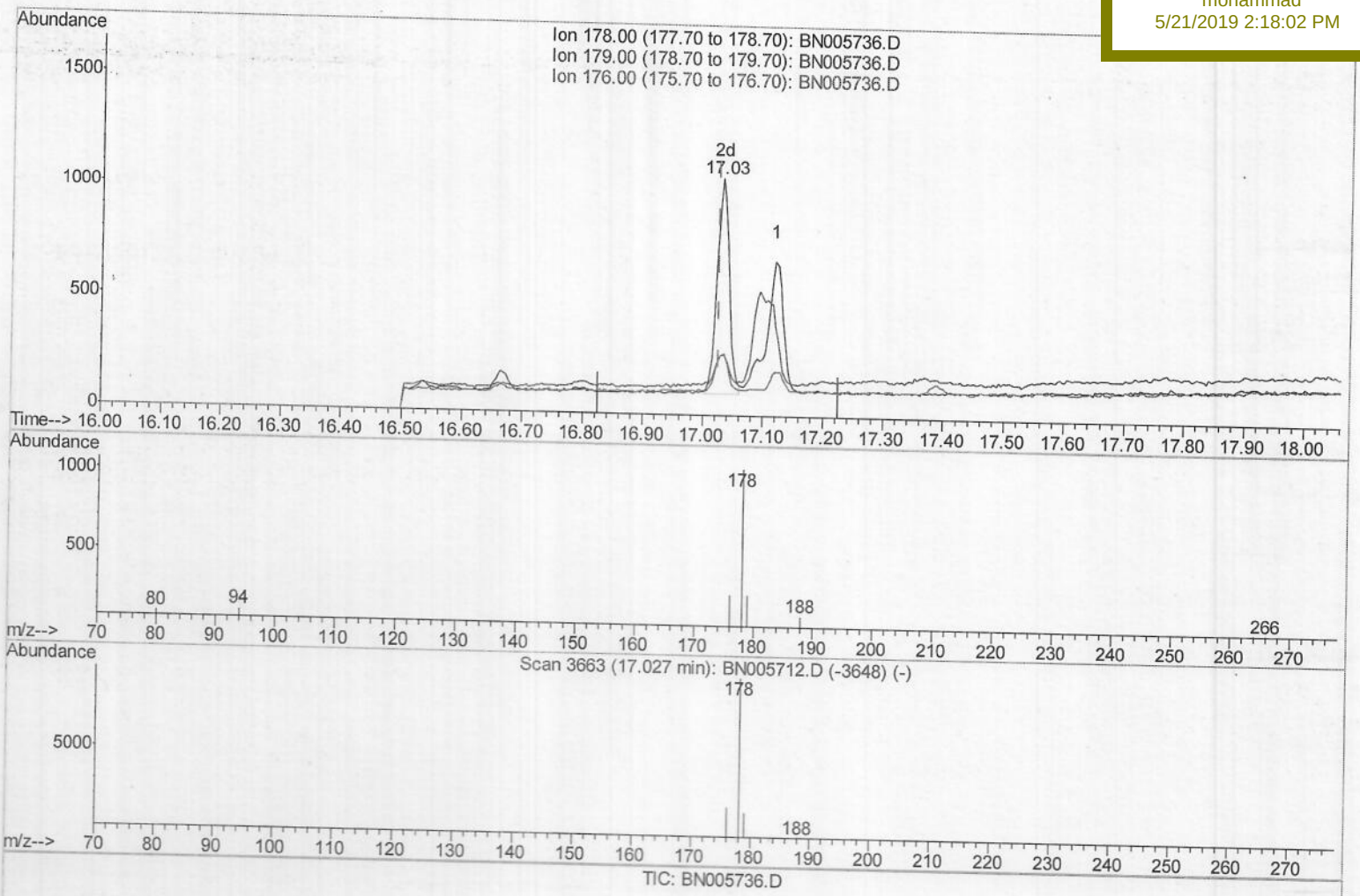
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:57:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



(12) Phenanthrene

17.031min (+0.004) 0.06ng/ul m)5005/22/19

response 1348

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	25.28#
176.00	19.10	25.38#
0.00	0.00	0.00

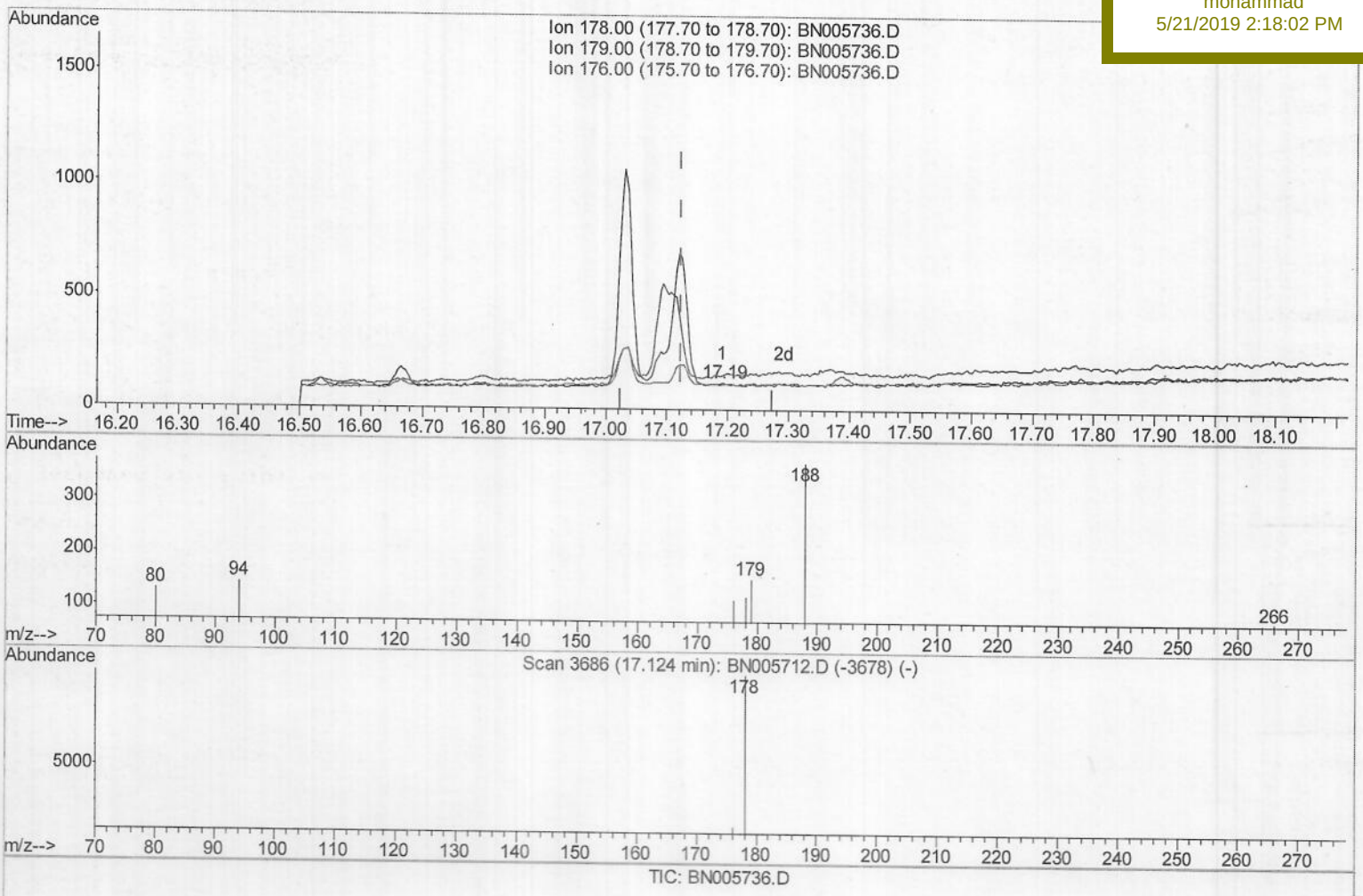
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:57:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



(13) Anthracene

17.192min (+0.068) 0.00ng/ul

response 20

Ion	Exp%	Act%
178.00	100	100
179.00	16.80	127.27#
176.00	18.90	94.21#
0.00	0.00	0.00

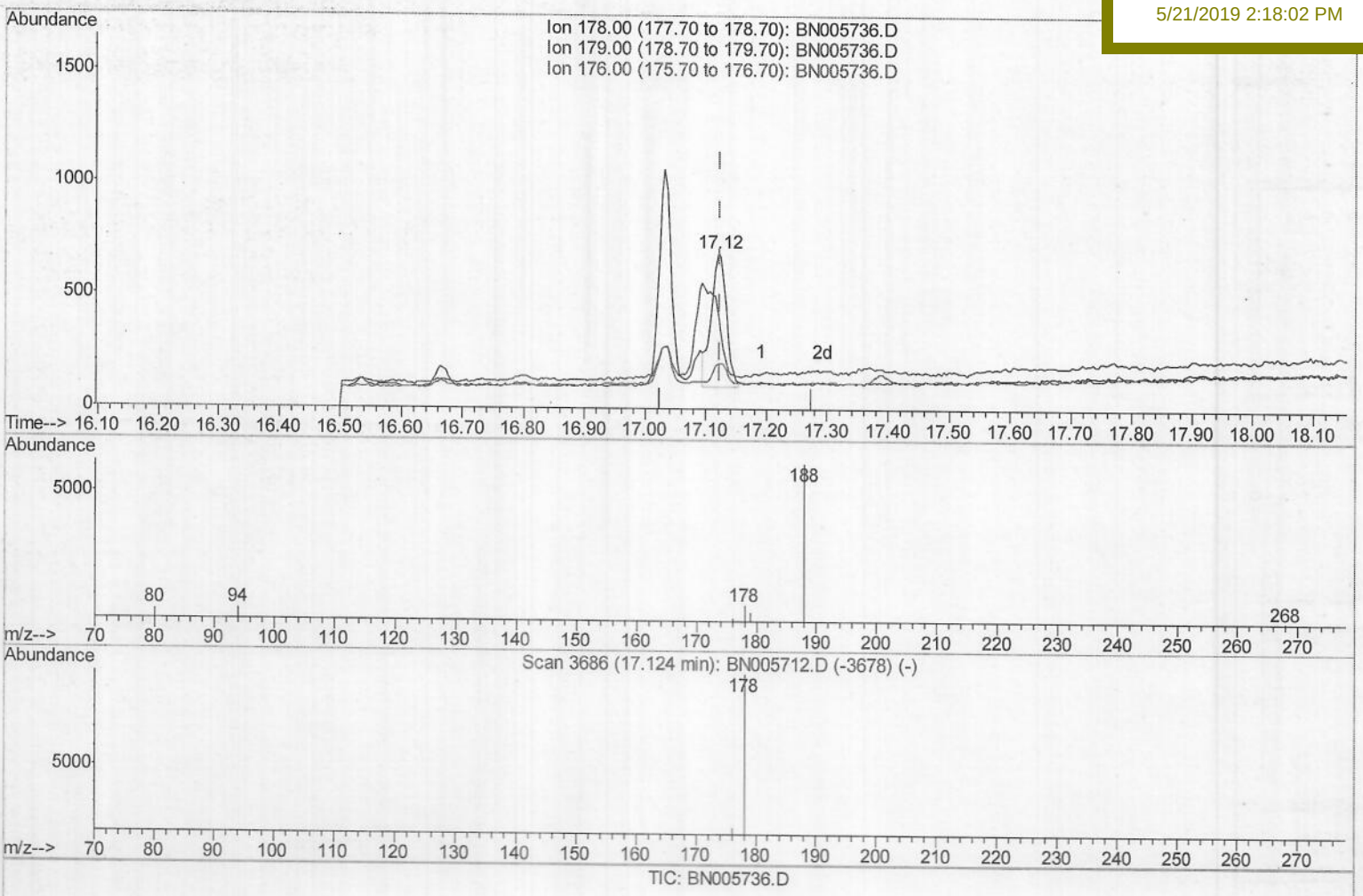
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:57:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



(13) Anthracene

17.120min (-0.004) 0.05ng/ul m) JU 05/22/19

response 1005

Ion	Exp%	Act%
178.00	100	100
179.00	16.80	58.21#
176.00	18.90	28.53#
0.00	0.00	0.00

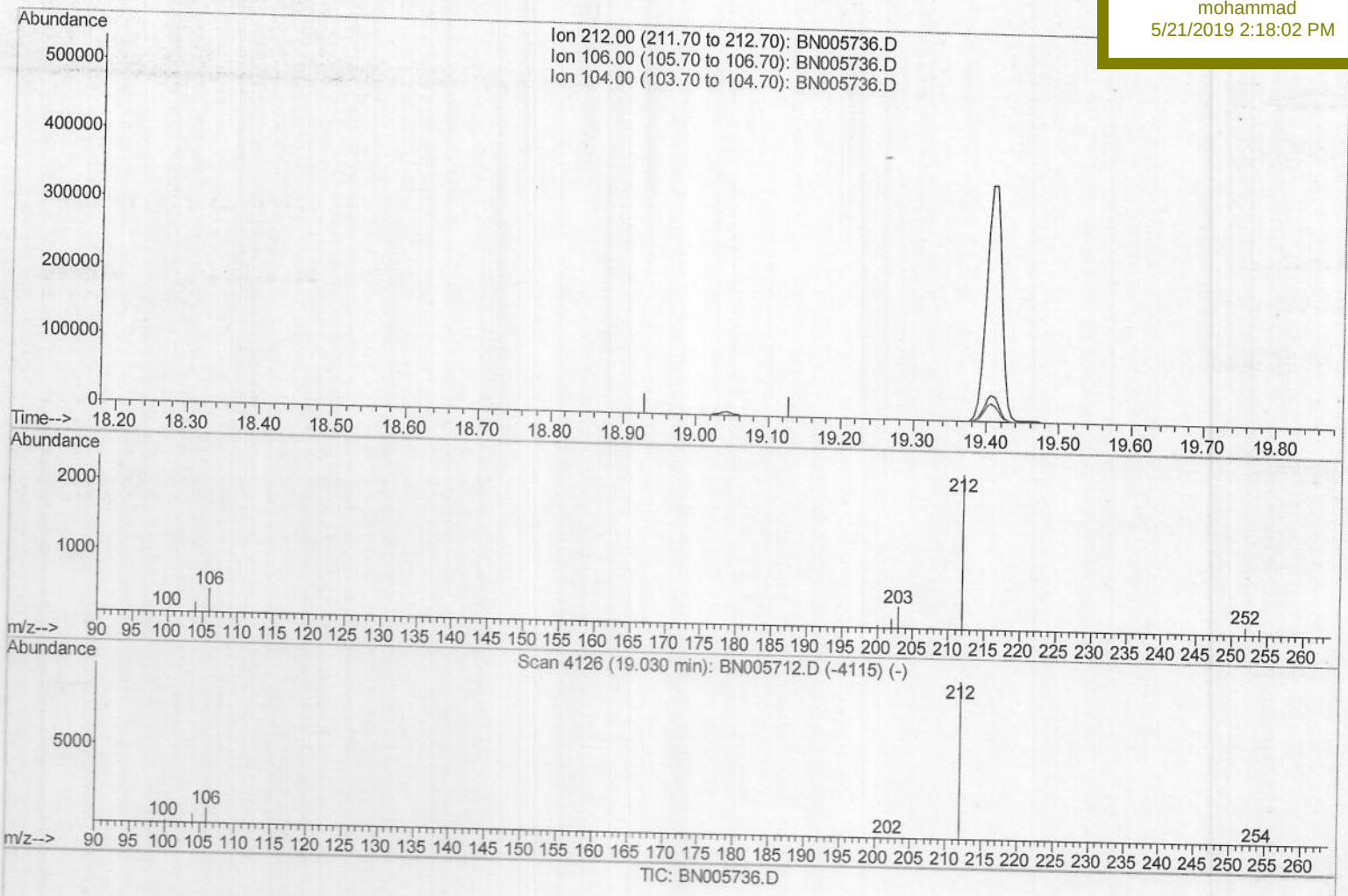
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
Sample : K2690-24
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:57:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



TIC: BN005736.D

(14) Fluoranthene-d10 (SURR)

19.030min (-19.030) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	10.80	0.00#
104.00	6.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
Operator : JU/SJ
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 18 00:57:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 17 04:47:07 2019
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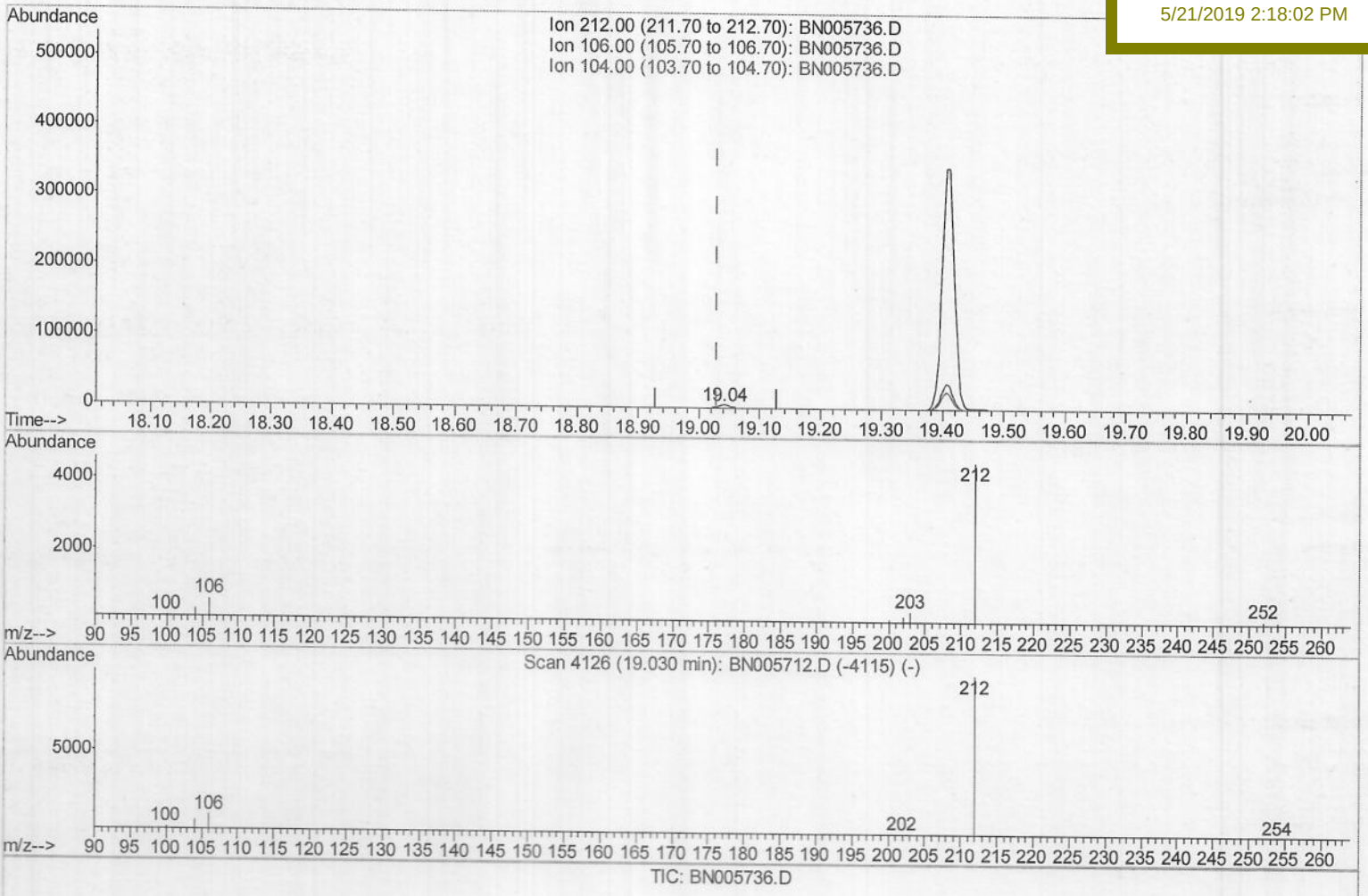
Instrument :
BNA_N
ClientSampleId :
A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



TIC: BN005736.D

(14) Fluoranthene-d10 (SURR)

19.039min (+0.009) 0.28ng/ul m) JU05/22/19

response 6878

Ion	Exp%	Act%
212.00	100	100
106.00	10.80	0.00#
104.00	6.20	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
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ClientSampleId :
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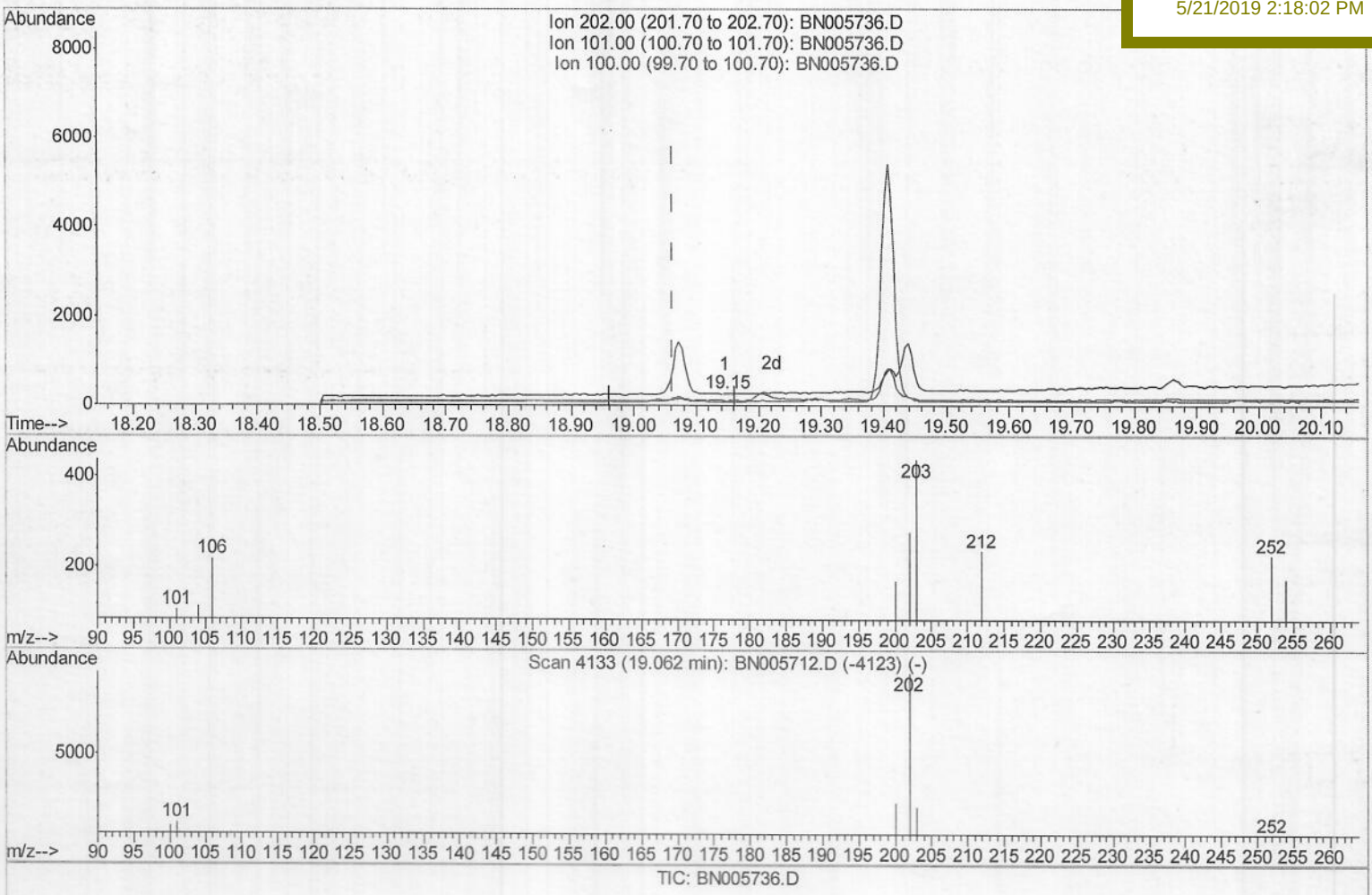
Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



(15) Fluoranthene (C)

19.146min (+0.084) 0.00ng/ul

response 22

Ion	Exp%	Act%
202.00	100	100
101.00	9.40	38.49#
100.00	7.10	30.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
Data File : BN005736.D
Acq On : 17 May 2019 18:59
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Misc :
ALS Vial : 17 Sample Multiplier: 1

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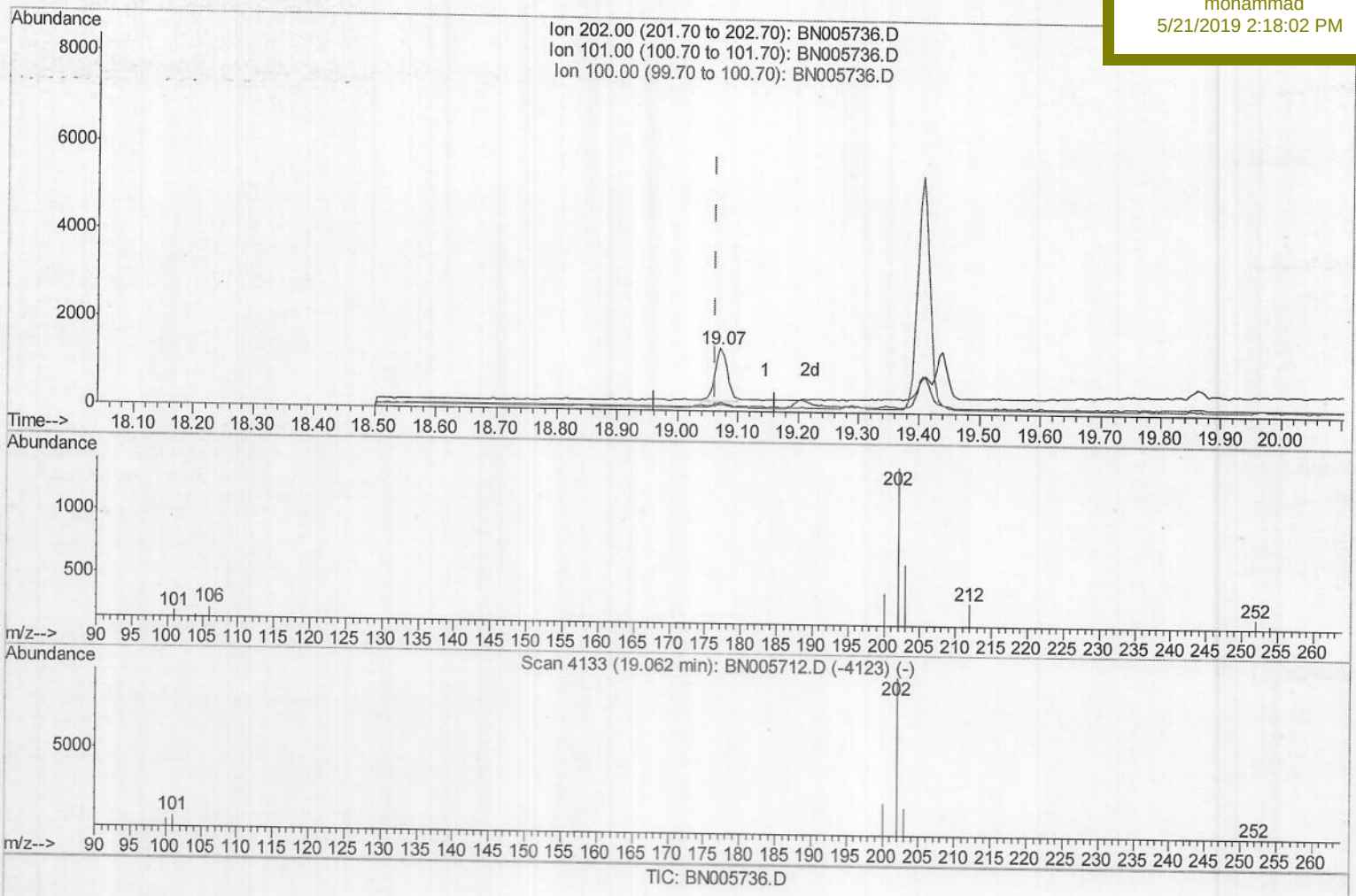
Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM



TIC: BN005736.D

(15) Fluoranthene (C)

19.072min (+0.009) 0.06ng/ul m > JU05/22/19

response 1718

Ion	Exp%	Act%
202.00	100	100
101.00	9.40	13.38
100.00	7.10	9.77
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051719\
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ClientSampleId : A5168

Manual Integrations APPROVED
mohammad
5/21/2019 2:18:02 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	1437	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	5719	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	3606	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	7702m	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	5033m	0.40	ng/ul	0.02
20) Perylene-d12	23.46	264	4857m	0.40	ng/ul	0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	3013	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	6878m	0.28	ng/ul	0.00
Target Compounds						Qvalue
9) Fluorene	15.29	166	332	0.022	ng/ul#	84
12) Phenanthrene	17.03	178	1348m	0.064	ng/ul	
13) Anthracene	17.12	178	1005m	0.048	ng/ul	
15) Fluoranthene	19.07	202	1718m	0.059	ng/ul	

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