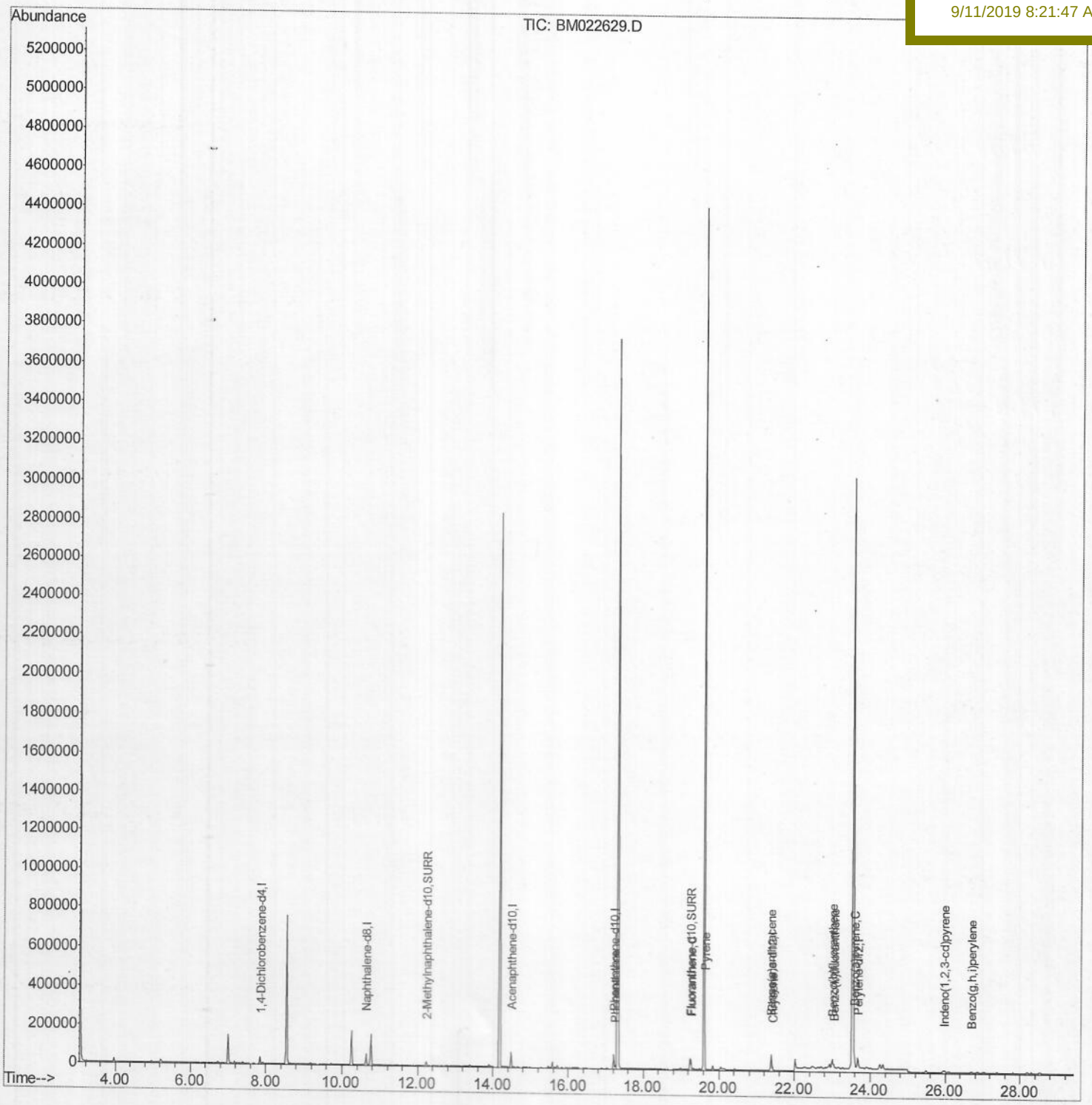
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:25:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



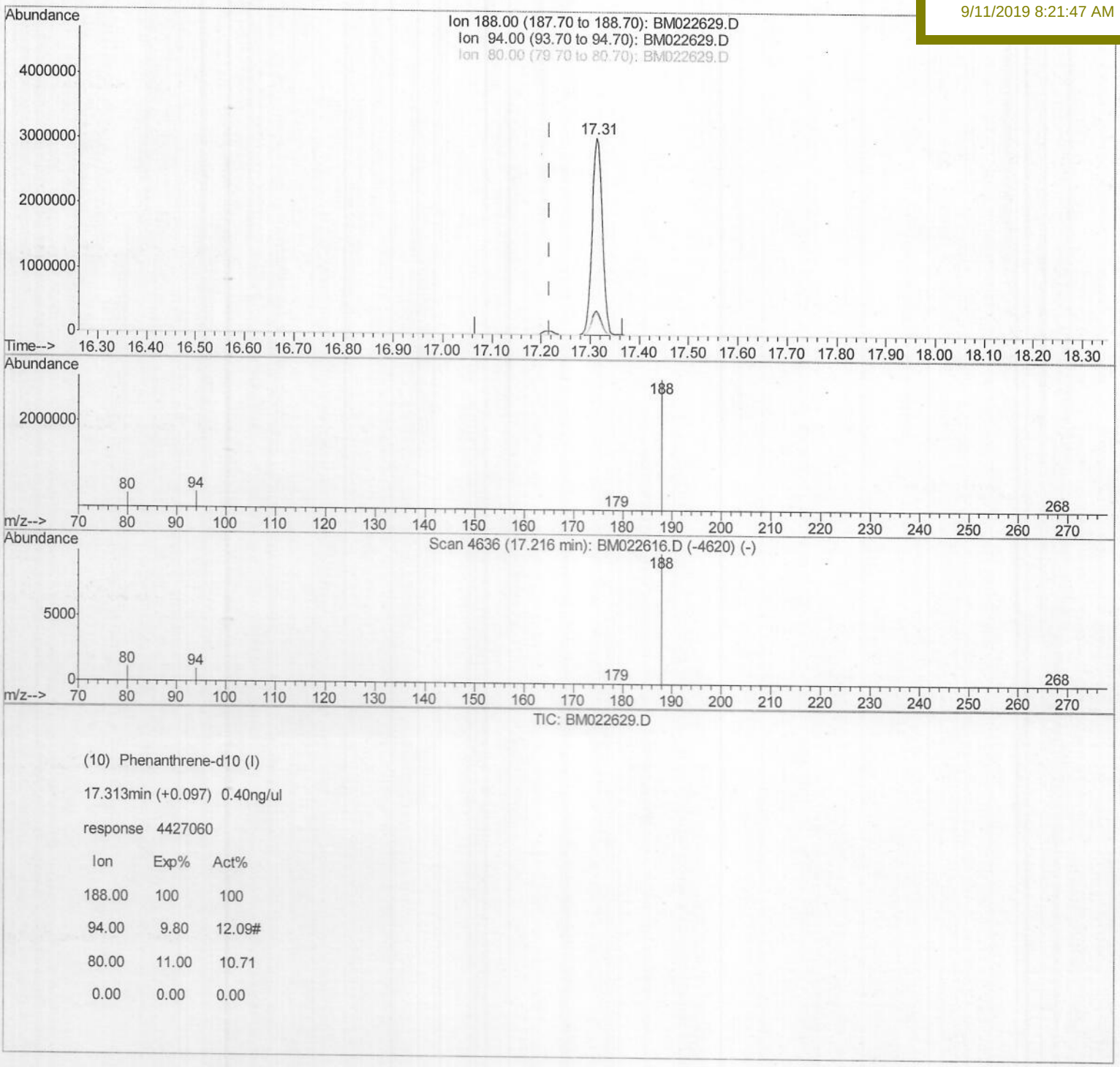
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:20:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



(10) Phenanthrene-d10 (I)

17.313min (+0.097) 0.40ng/ul

response 4427060

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	12.09#
80.00	11.00	10.71
0.00	0.00	0.00

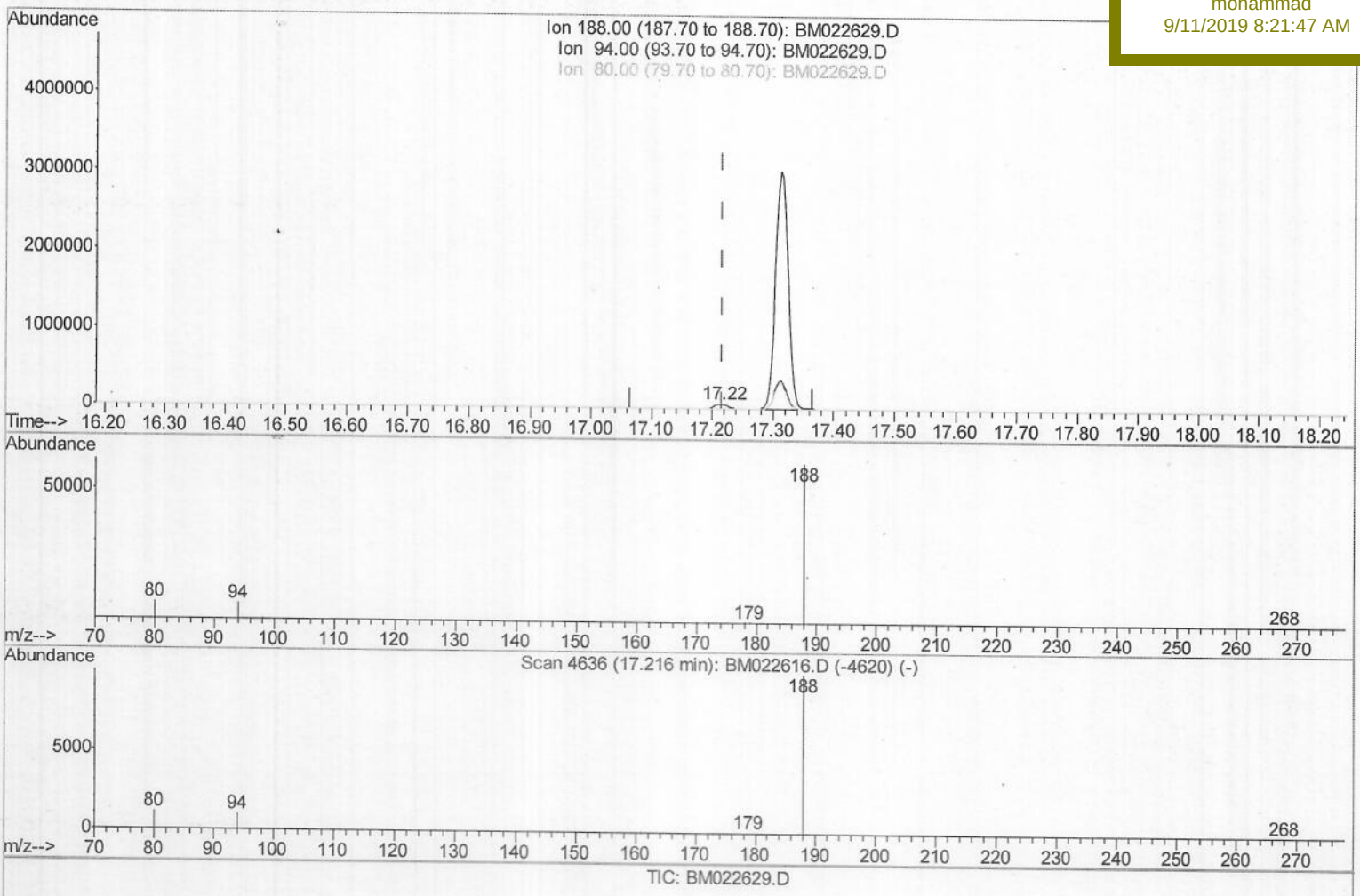
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:20:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



(10) Phenanthrene-d10 (I)

17.216min (-0.000) 0.40ng/ul m) JV 09/11/19

response 85653

Ion	Exp%	Act%
188.00	100	100
94.00	9.80	10.22
80.00	11.00	10.95
0.00	0.00	0.00

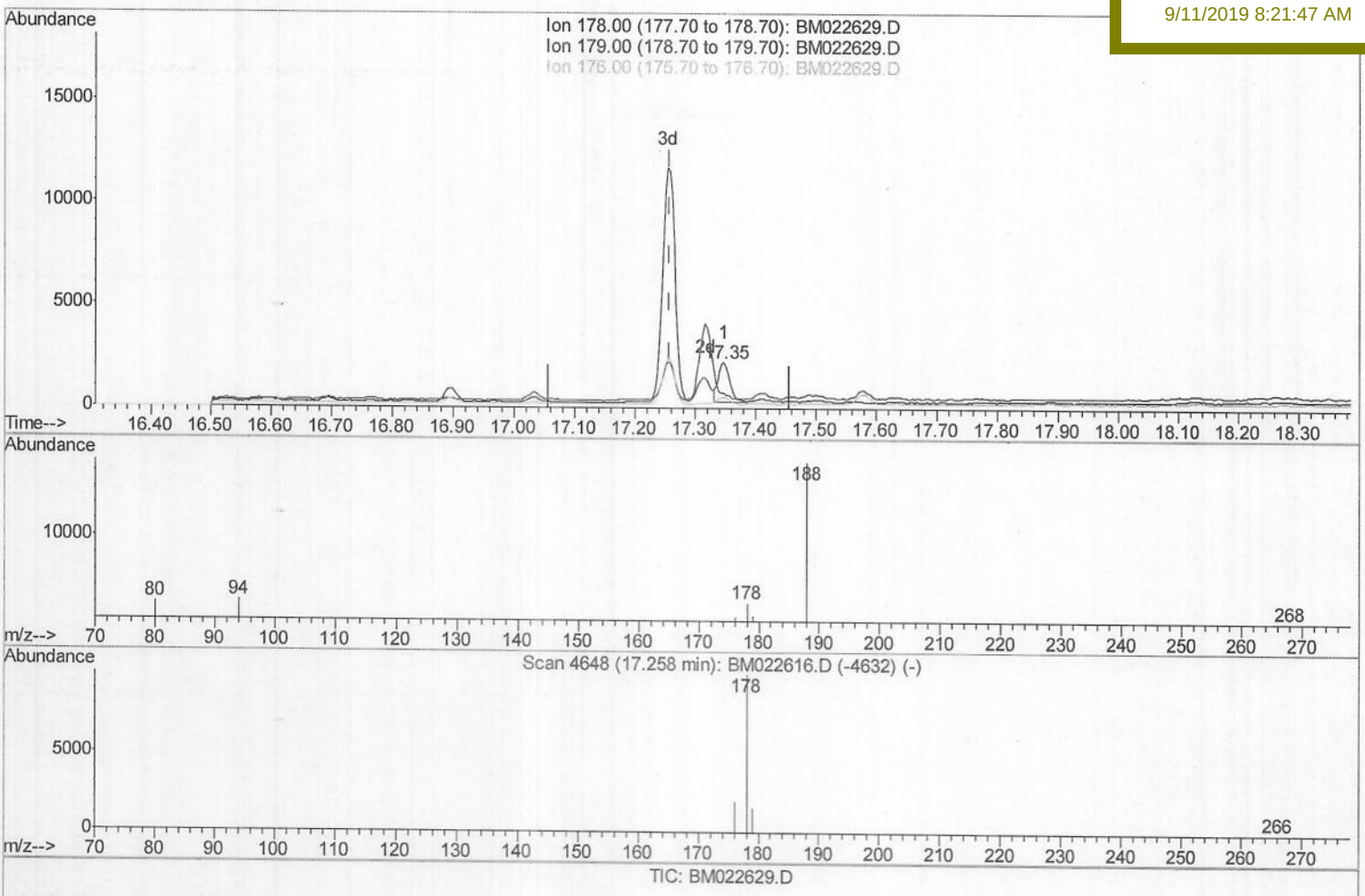
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:21:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



TIC: BM022629.D

(12) Phenanthrene

17.348min (+0.090) 0.01ng/ul

response 2507

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	32.64#
176.00	19.10	25.28#
0.00	0.00	0.00

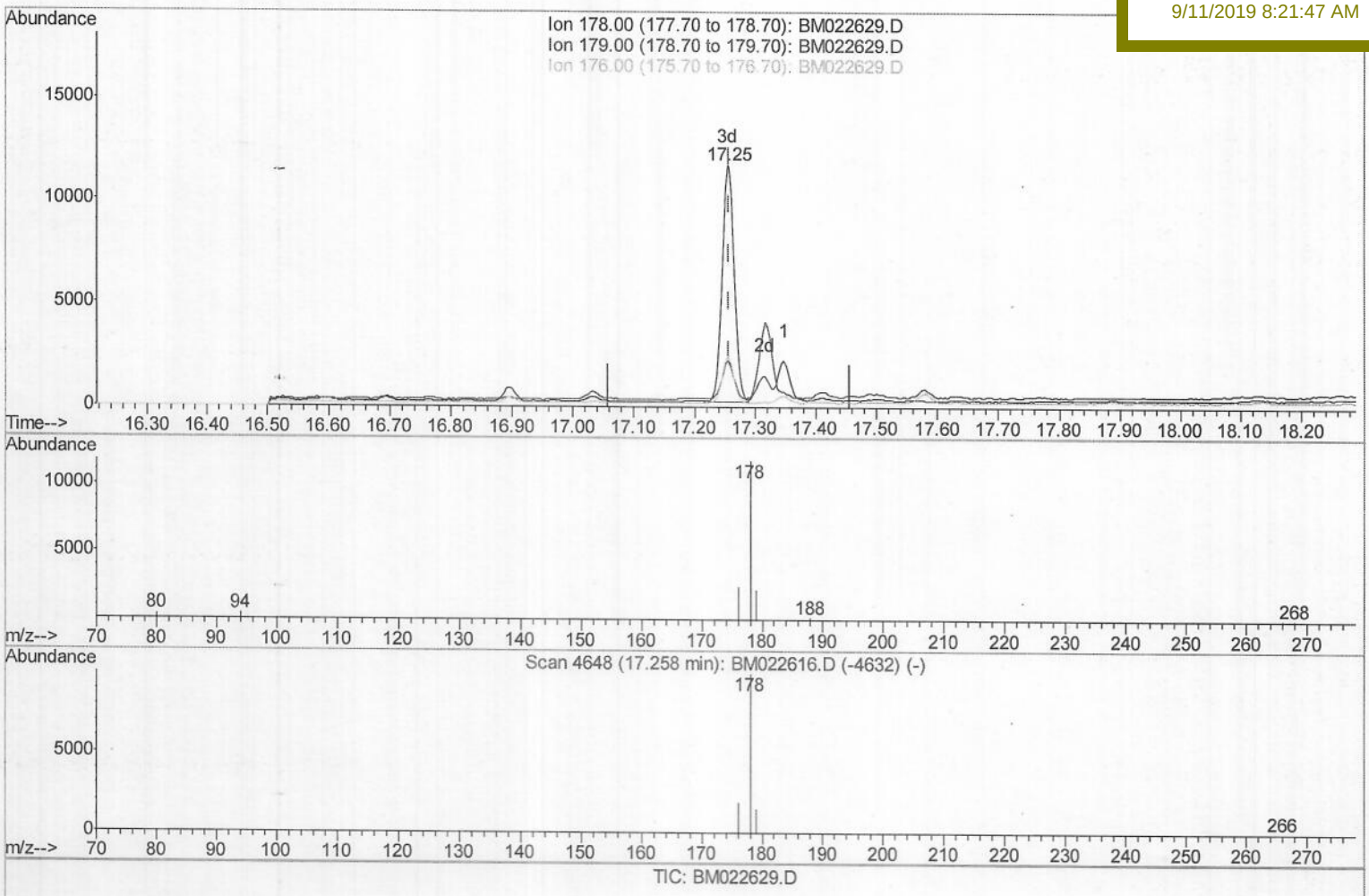
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:21:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



TIC: BM022629.D

(12) Phenanthrene

17.254min (-0.004) 0.06ng/ul m JU 09/11/19

response 16214

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	19.29#
176.00	19.10	20.99
0.00	0.00	0.00

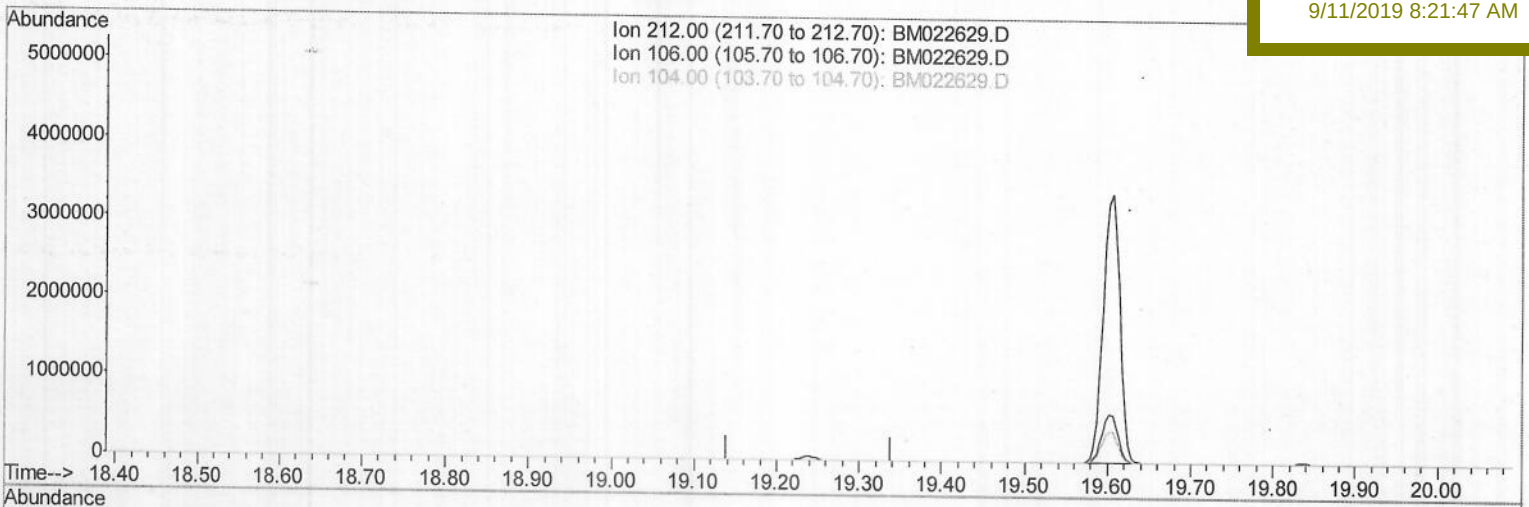
Quantitation Report (Qedit)

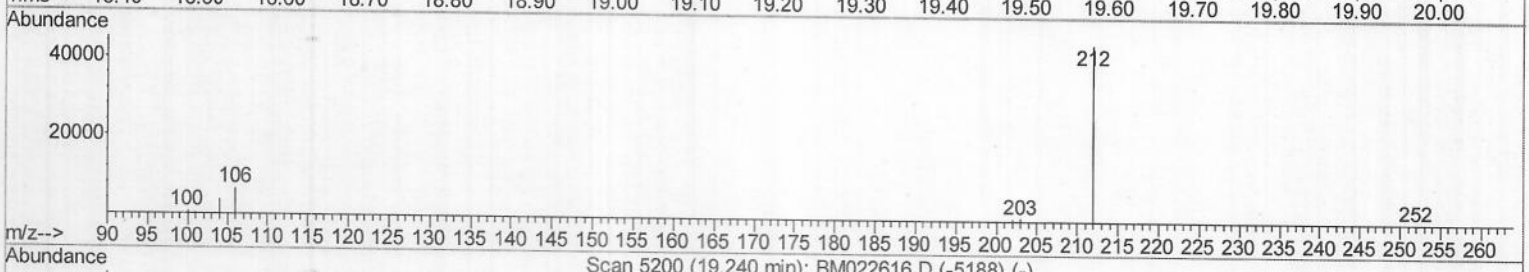
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

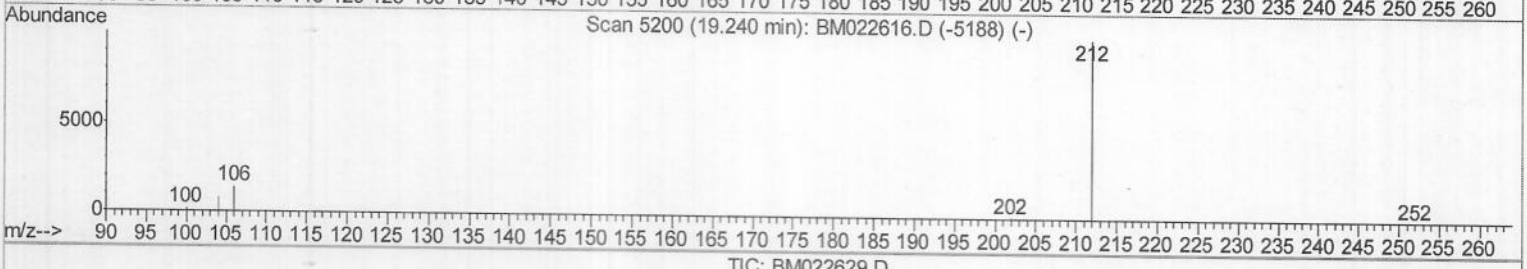
Quant Time: Sep 10 21:21:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM







TIC: BM022629.D

(14) Fluoranthene-d10 (SURR)

19.240min (-19.240) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

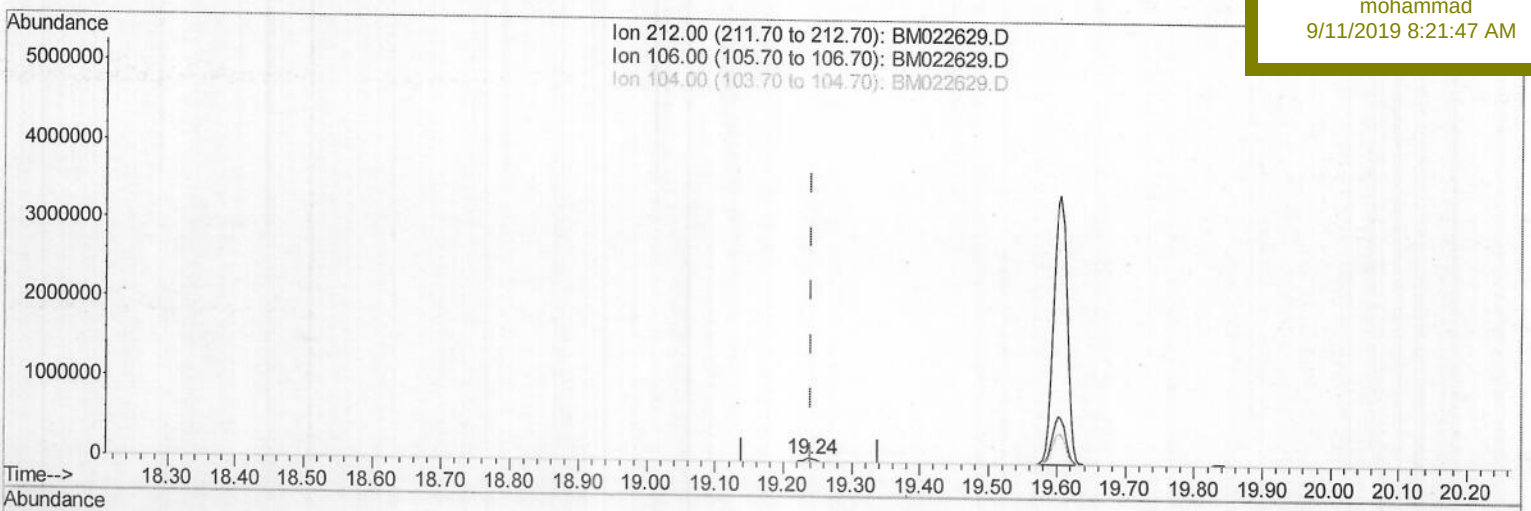
Quantitation Report (Qedit)

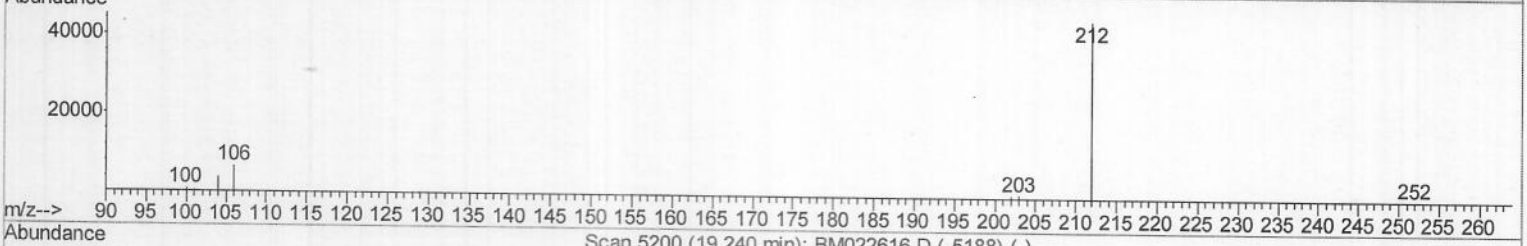
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

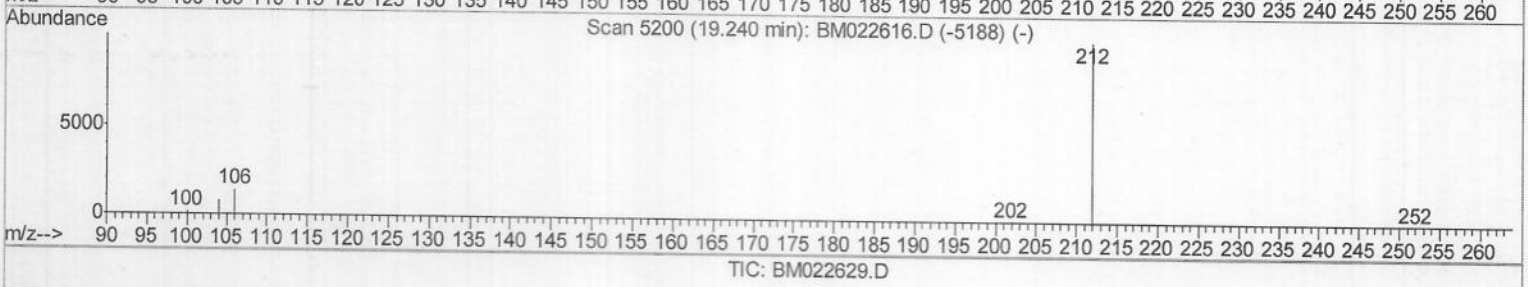
Quant Time: Sep 10 21:21:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM







TIC: BM022629.D

(14) Fluoranthene-d10 (SURR)

19.240min (-0.000) 0.25ng/ul m

response 58199

JU 09/11/19

Ion	Exp%	Act%
212.00	100	100
106.00	14.00	0.00#
104.00	8.00	0.00#
0.00	0.00	0.00

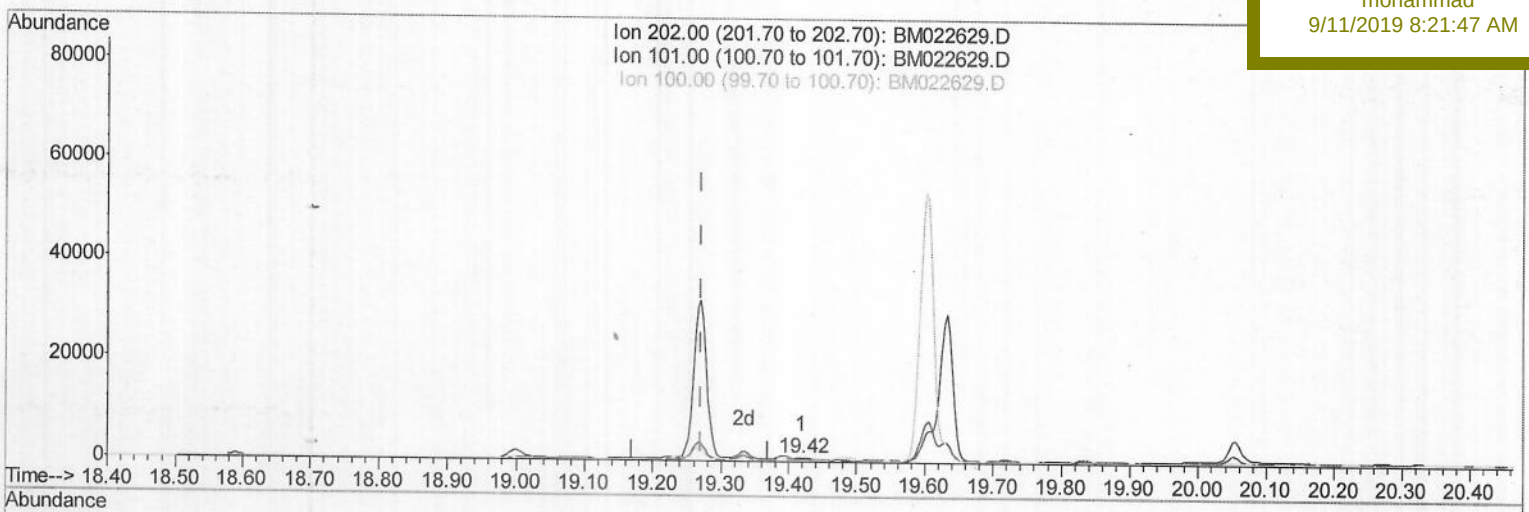
Quantitation Report (Qedit)

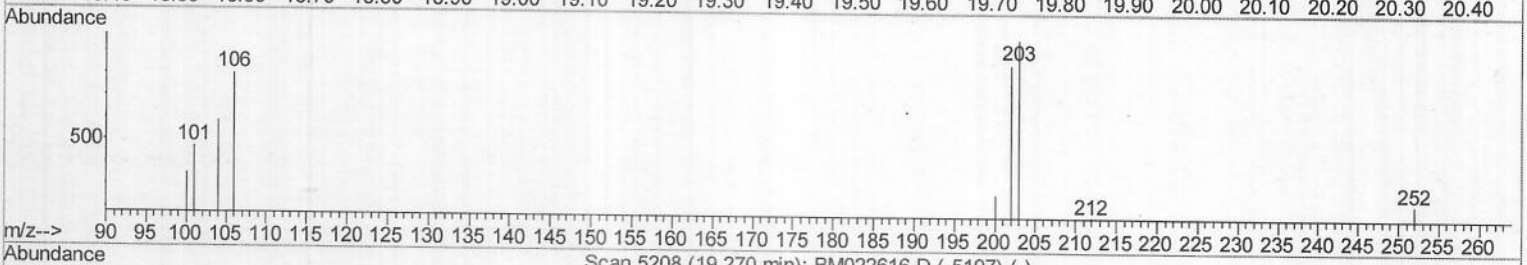
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

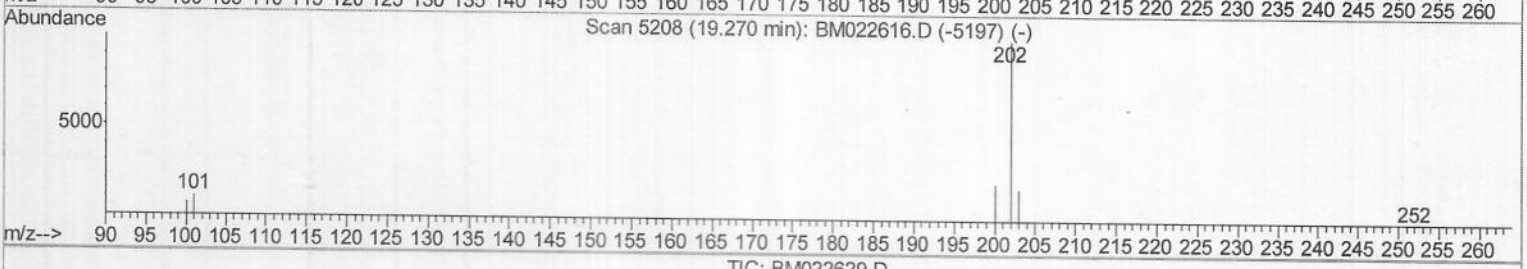
Quant Time: Sep 10 21:21:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM







TIC: BM022629.D

(15) Fluoranthene (C)

19.419min (+0.149) 0.00ng/ul

response 651

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	54.83#
100.00	8.00	40.75#
0.00	0.00	0.00

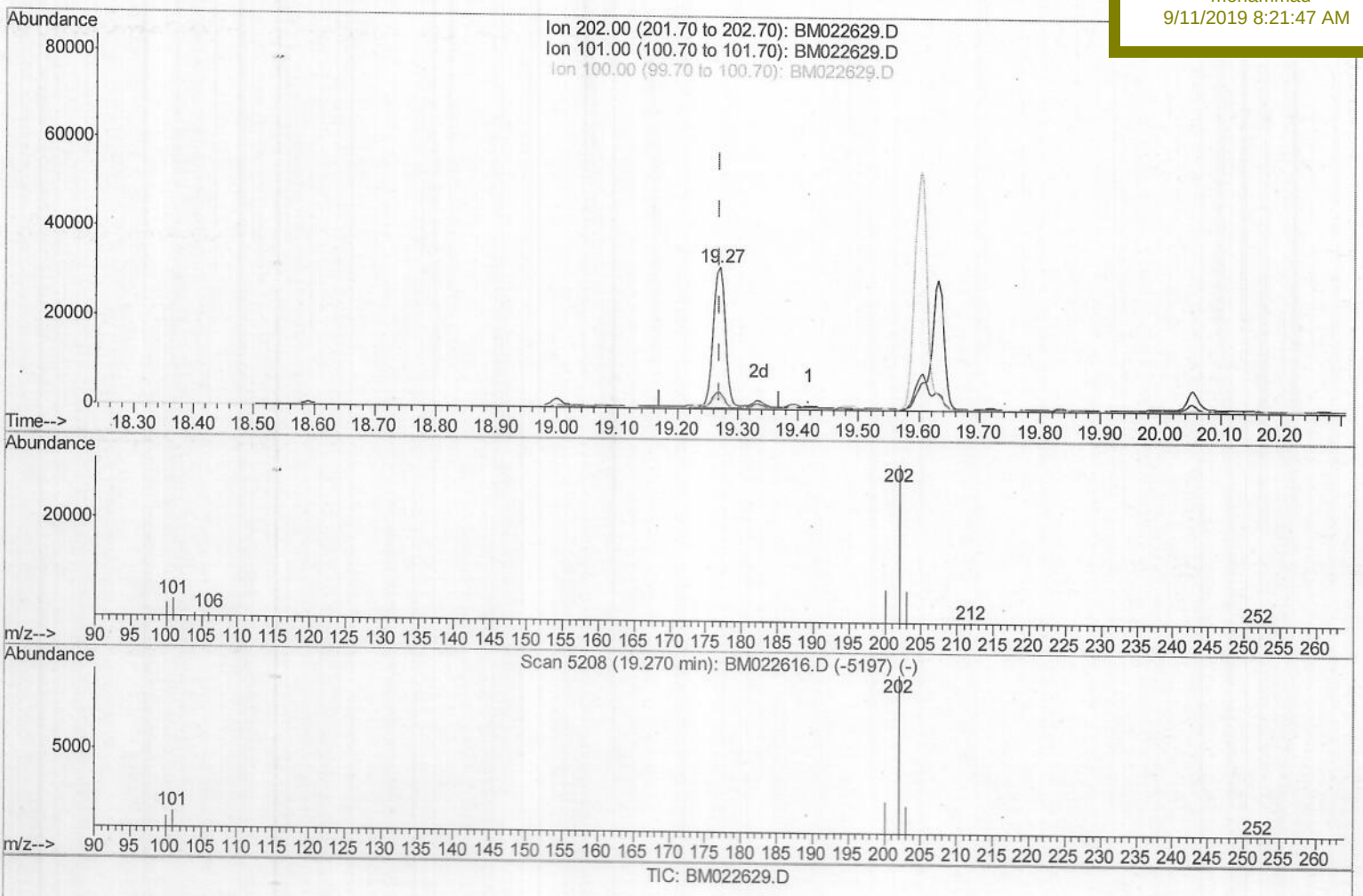
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:21:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



TIC: BM022629.D

(15) Fluoranthene (C)

19.270min (-0.000) 0.15ng/ul m JJU 09/11/19

response 42811

Ion	Exp%	Act%
202.00	100	100
101.00	10.50	11.21
100.00	8.00	8.34
0.00	0.00	0.00

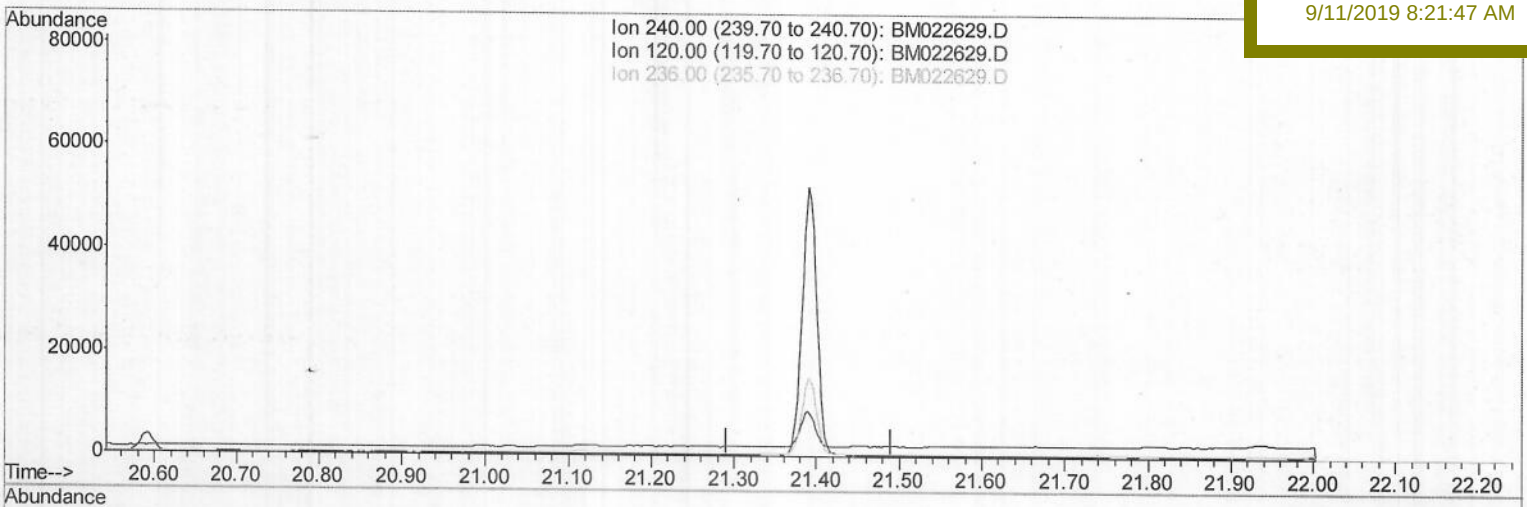
Quantitation Report (Qedit)

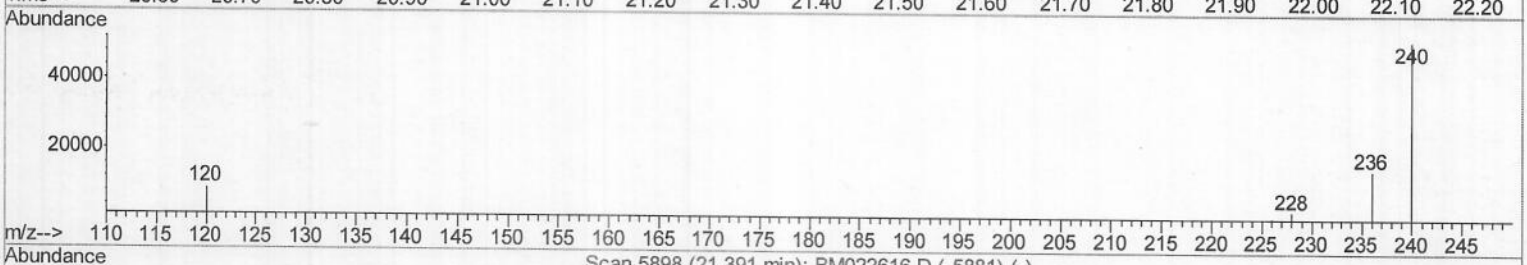
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

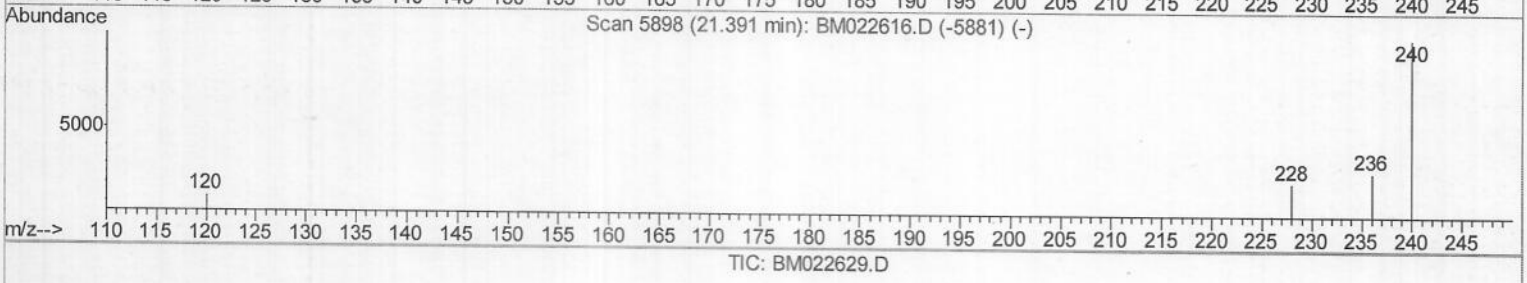
Quant Time: Sep 10 21:21:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM







TIC: BM022629.D

(16) Chrysene-d12 (I)

21.391min (-21.391) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	14.60	0.00#
236.00	28.80	0.00#
0.00	0.00	0.00

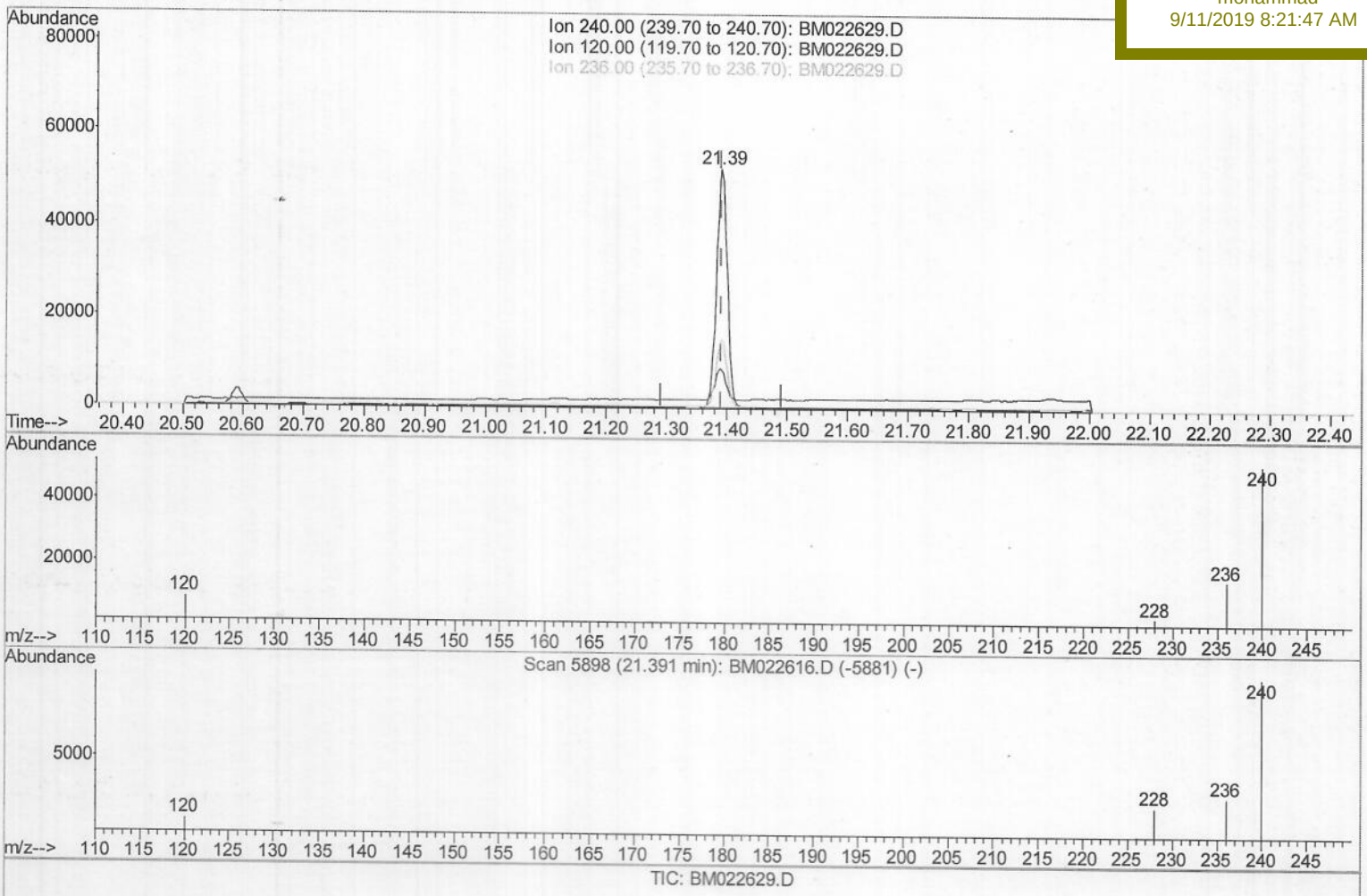
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:21:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



TIC: BM022629.D

(16) Chrysene-d12 (I)

21.391min (-0.000) 0.40ng/ul m

response 64277

JU 09/11/19

Ion	Exp%	Act%
240.00	100	100
120.00	14.60	16.52
236.00	28.80	29.11
0.00	0.00	0.00

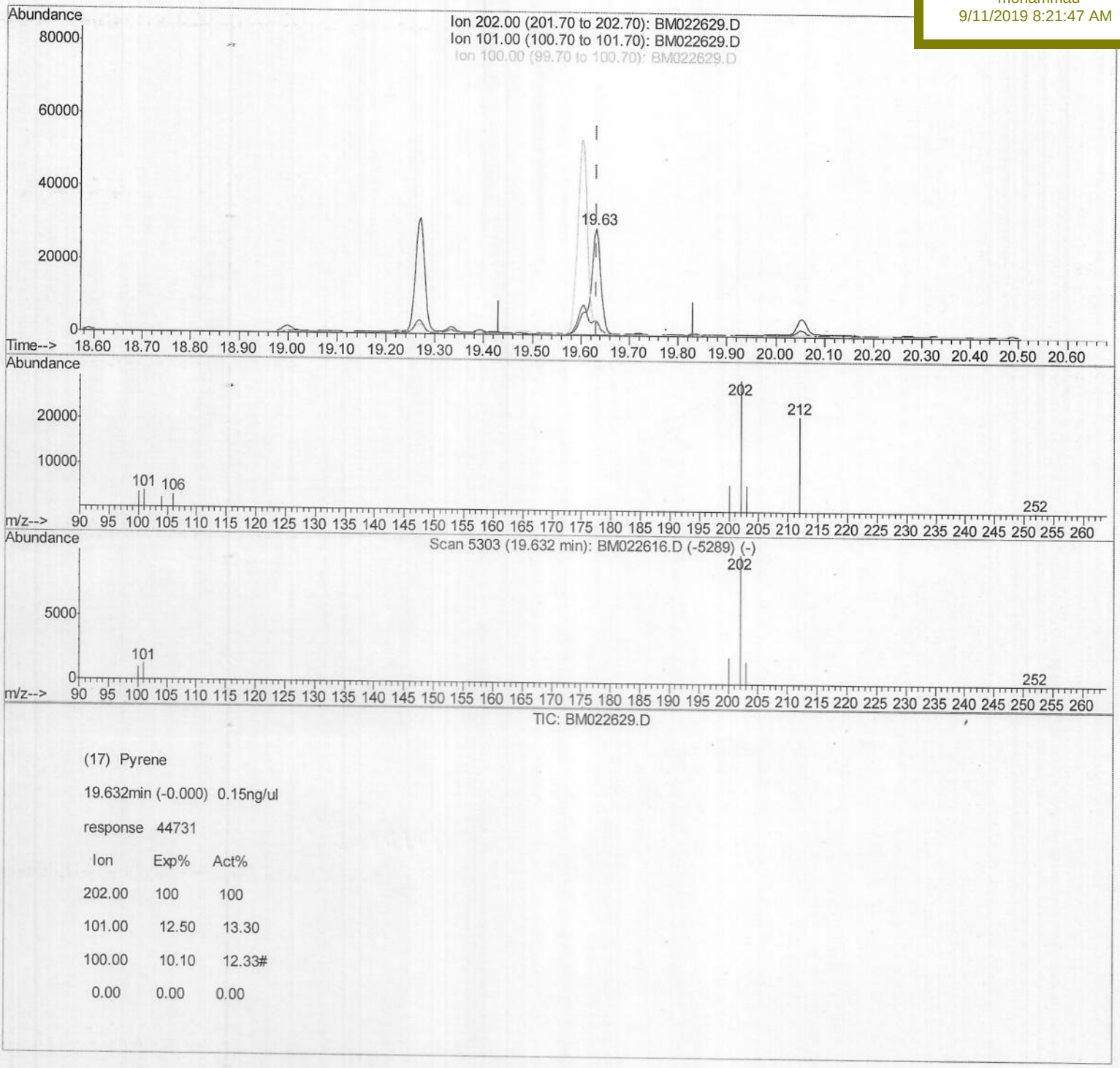
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



TIC: BM022629.D

(17) Pyrene

19.632min (-0.000) 0.15ng/ul

response 44731

Ion	Exp%	Act%
202.00	100	100
101.00	12.50	13.30
100.00	10.10	12.33#
0.00	0.00	0.00

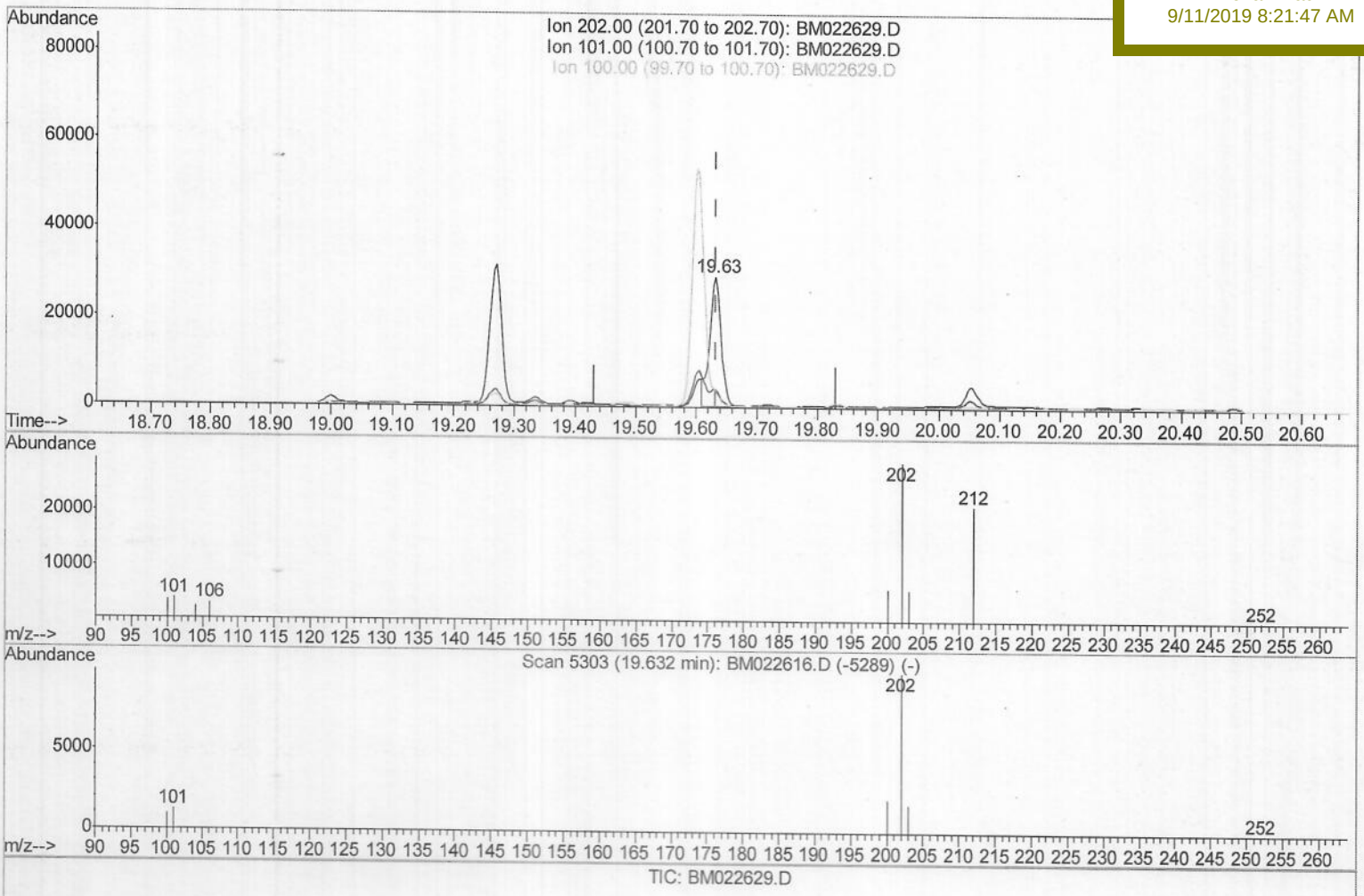
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



TIC: BM022629.D

(17) Pyrene

19.632min (-0.000) 0.13ng/ul m JU 09/11/19

response 38588

Ion	Exp%	Act%
202.00	100	100
101.00	12.50	13.30
100.00	10.10	12.33#
0.00	0.00	0.00

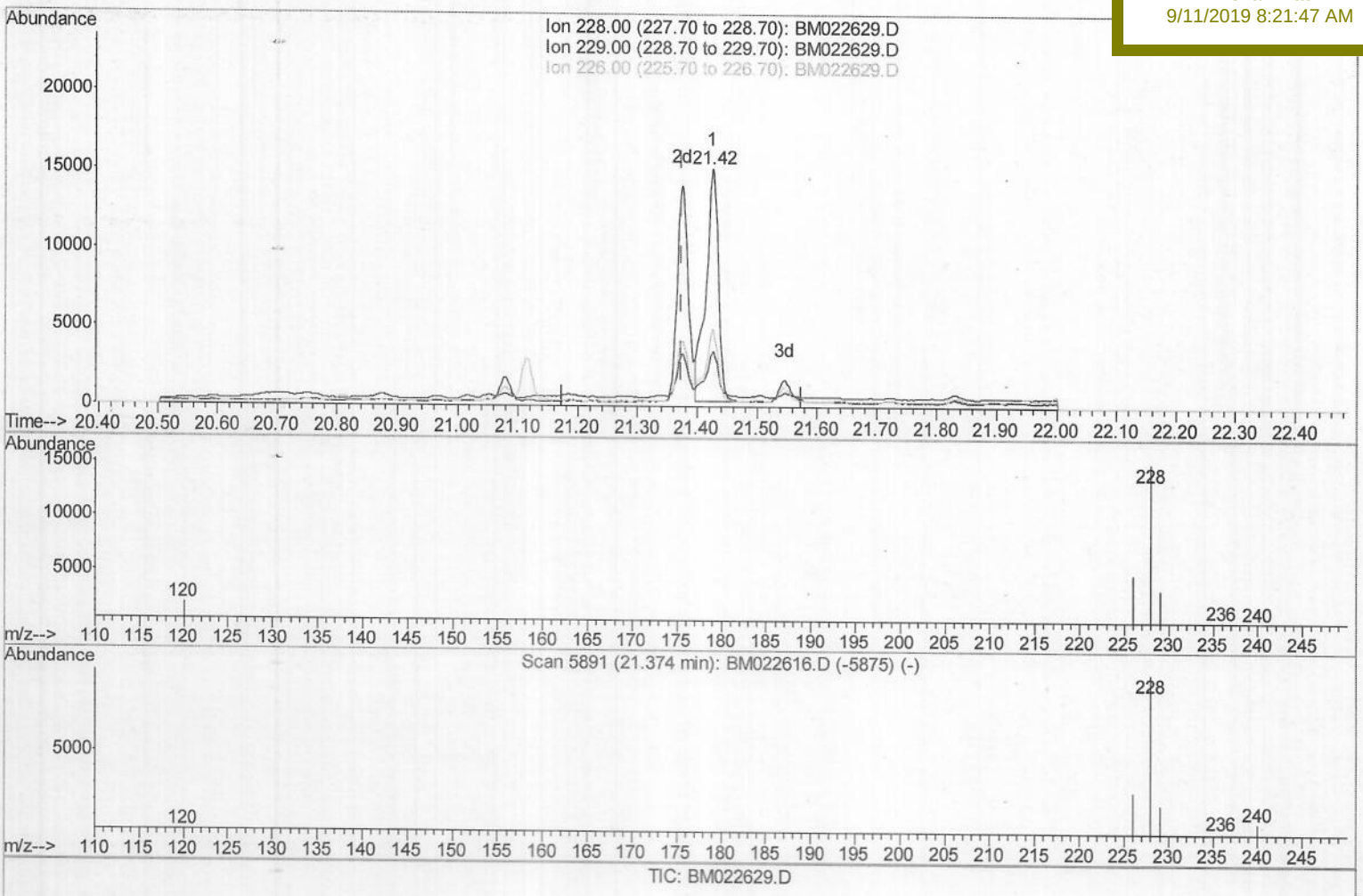
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



(18) Benzo(a)anthracene

21.425min (+0.051) 0.09ng/ul

response 21921

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	22.77
226.00	27.50	32.52
0.00	0.00	0.00

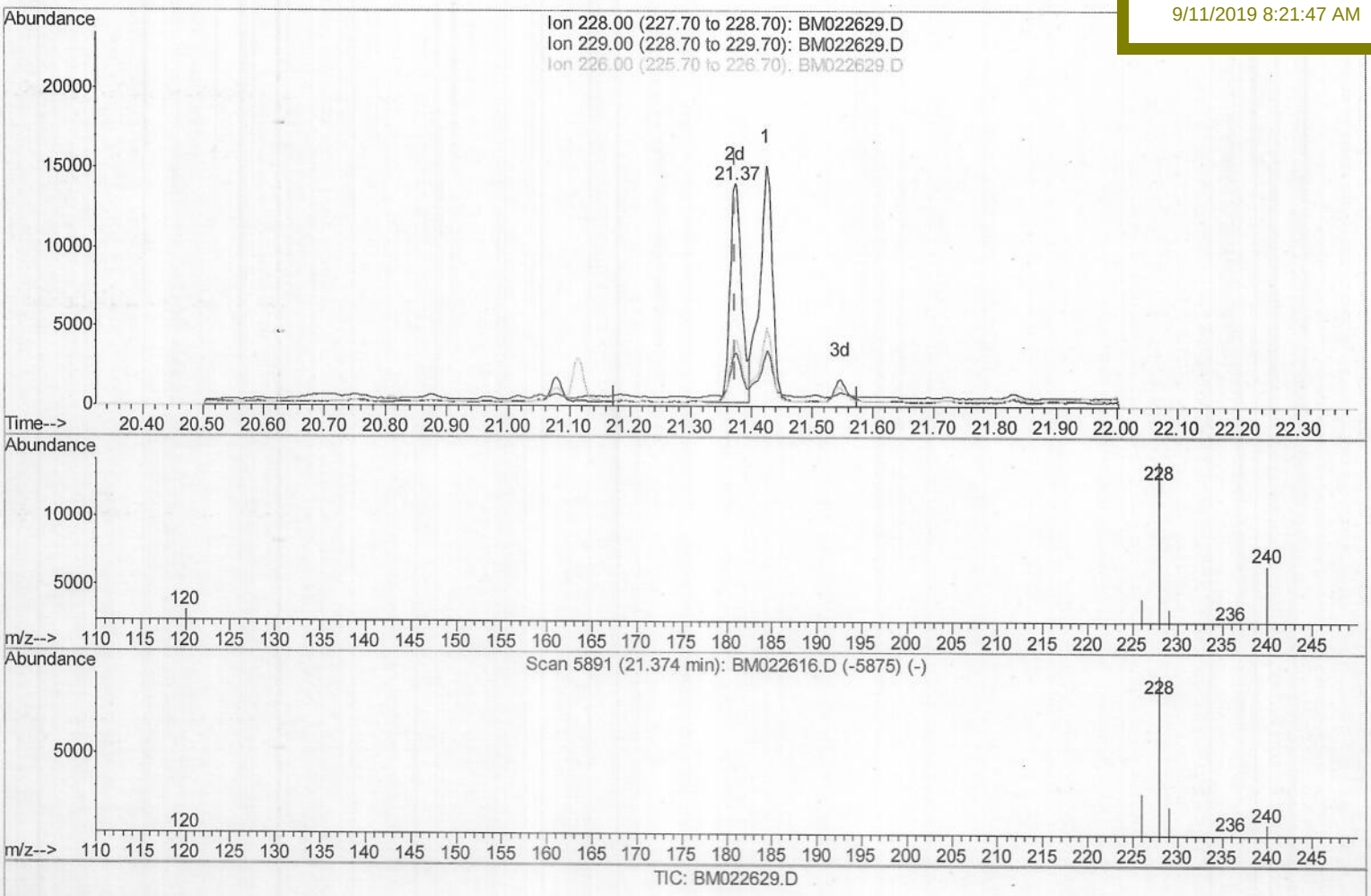
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



(18) Benzo(a)anthracene

21.374min (-0.000) 0.07ng/ul m

response 18261

JU 09/11/19

Ion	Exp%	Act%
228.00	100	100
229.00	19.50	23.84#
226.00	27.50	29.53
0.00	0.00	0.00

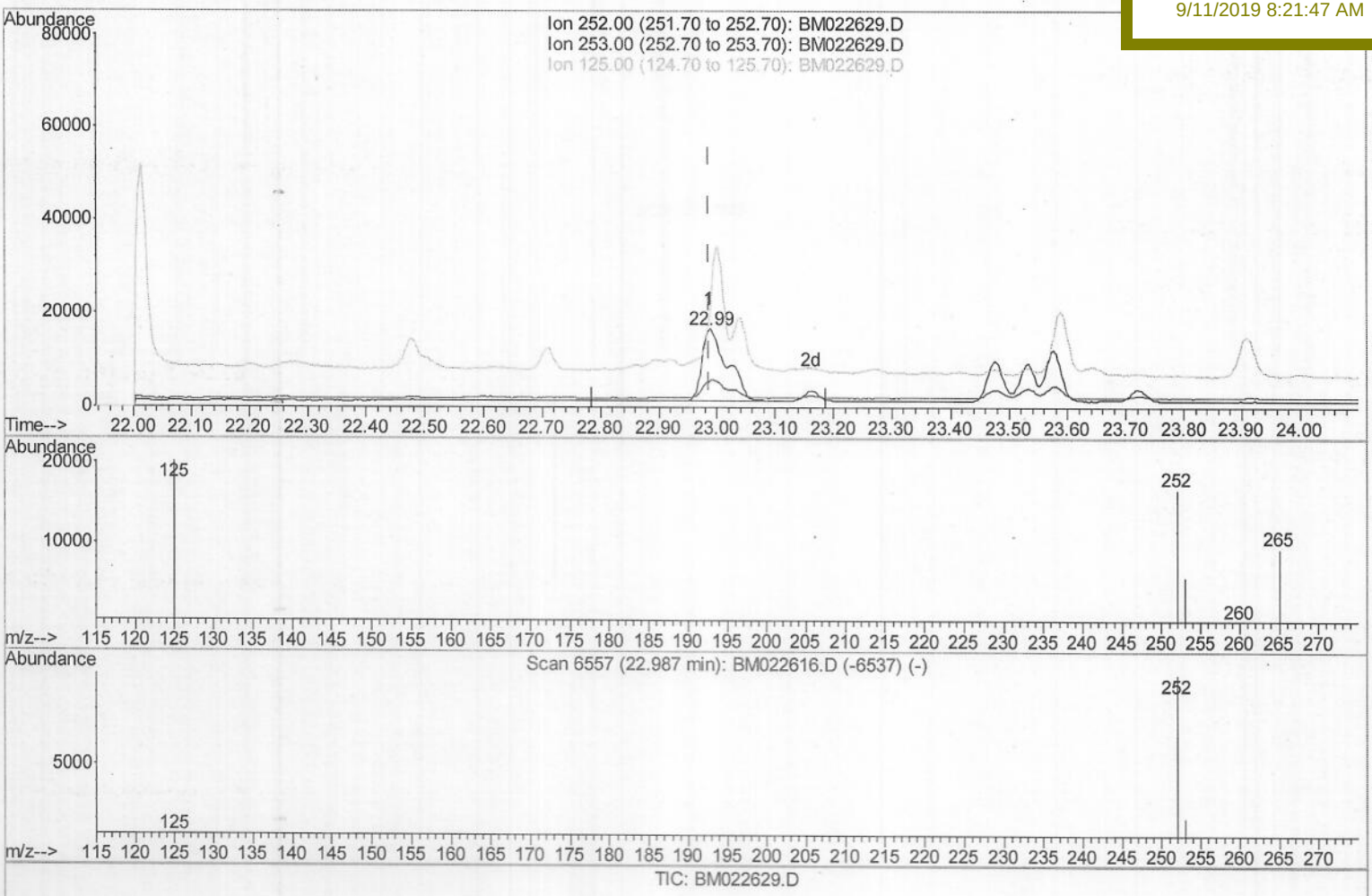
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM



TIC: BM022629.D

(21) Benzo(b)fluoranthene

22.987min (-0.000) 0.16ng/ul

response 46236

Ion	Exp%	Act%
252.00	100	100
253.00	24.20	34.39
125.00	15.60	120.72#
0.00	0.00	0.00

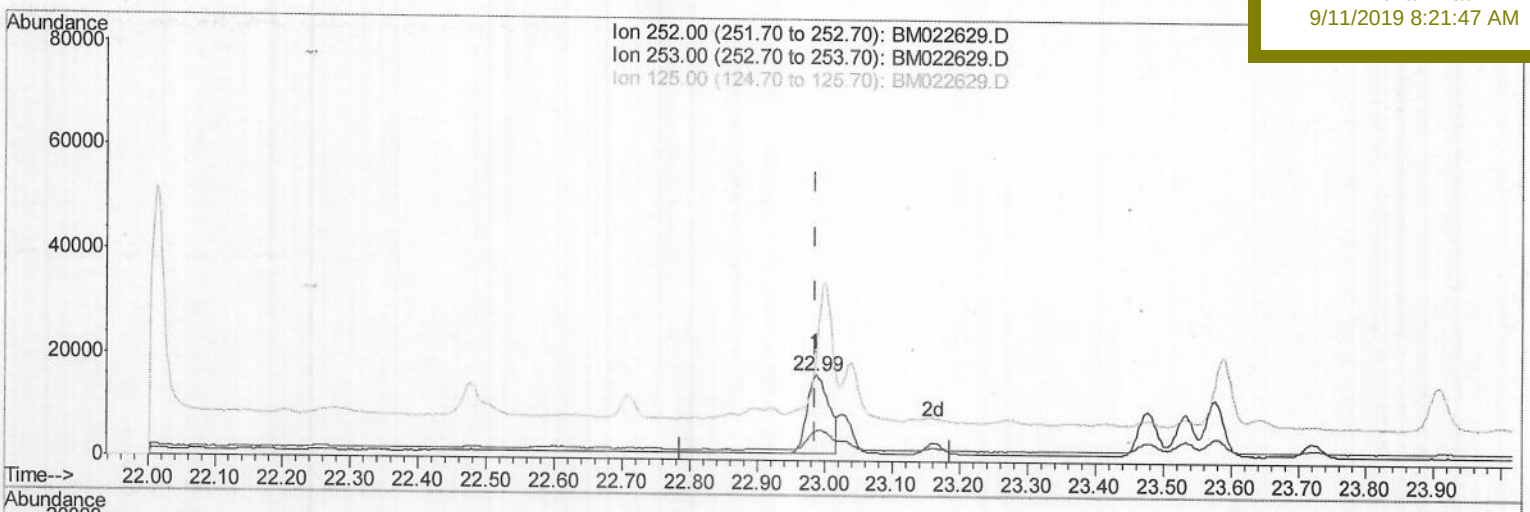
Quantitation Report (Qedit)

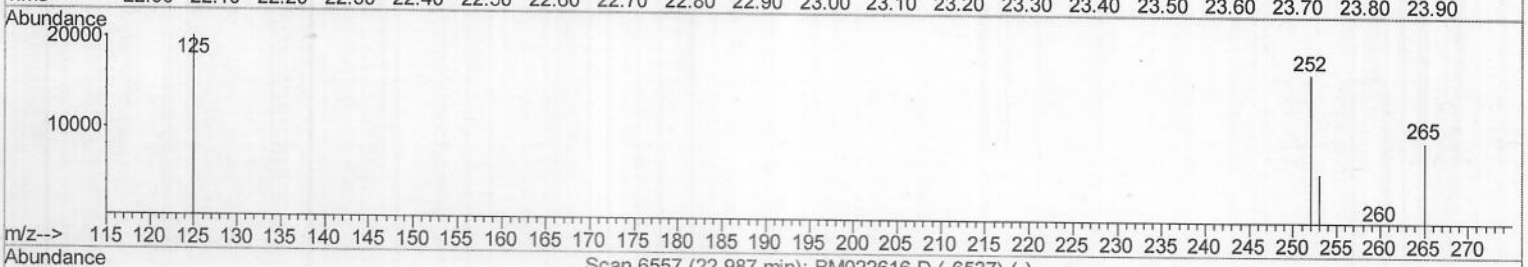
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

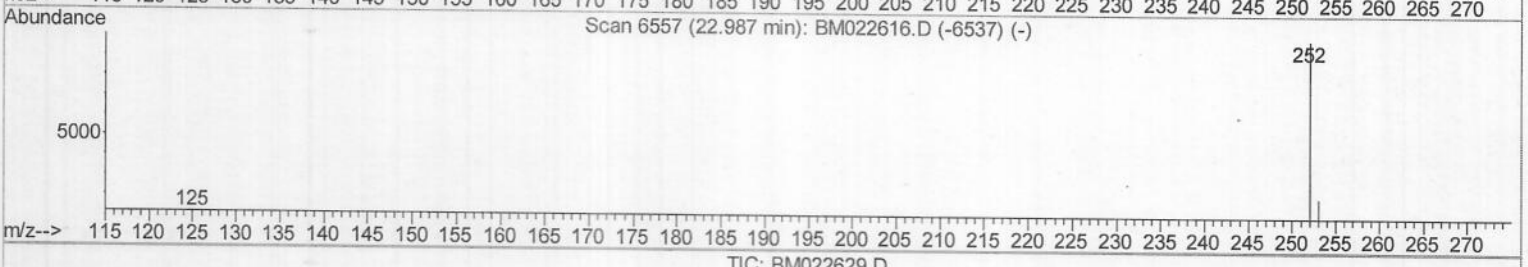
Quant Time: Sep 10 21:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM







TIC: BM022629.D

(21) Benzo(b)fluoranthene

22.987min (-0.000) 0.12ng/ul m) JU 09/11/19

response 33899

Ion	Exp%	Act%
252.00	100	100
253.00	24.20	34.39
125.00	15.60	120.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
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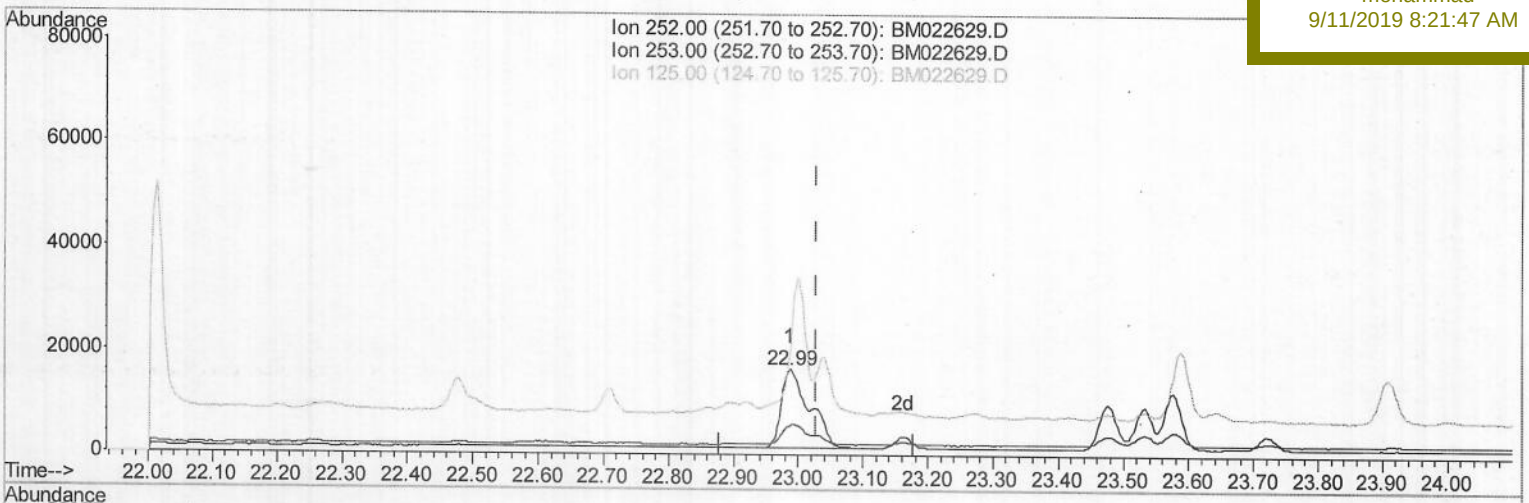
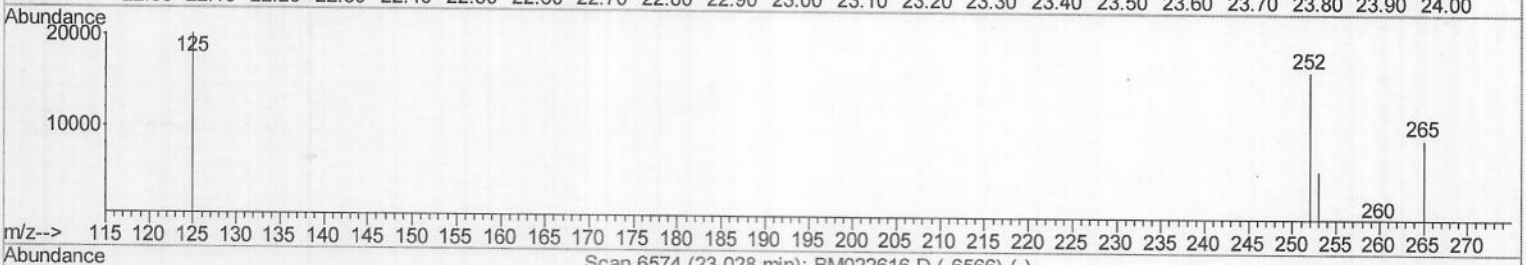
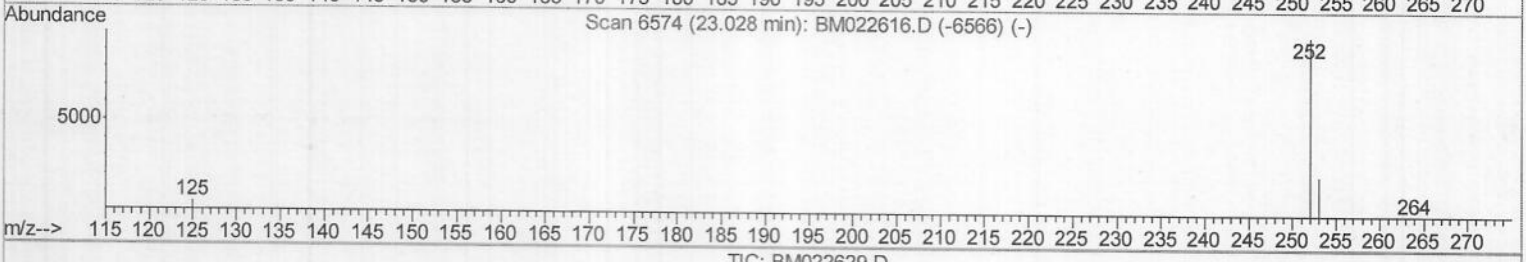
9/11/2019 8:21:47 AM







TIC: BM022629.D

(22) Benzo(k)fluoranthene

22.987min (-0.041) 0.16ng/ul

response 46236

Ion	Exp%	Act%
252.00	100	100
253.00	24.40	34.39#
125.00	14.00	120.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5Q4

Manual Integrations APPROVED
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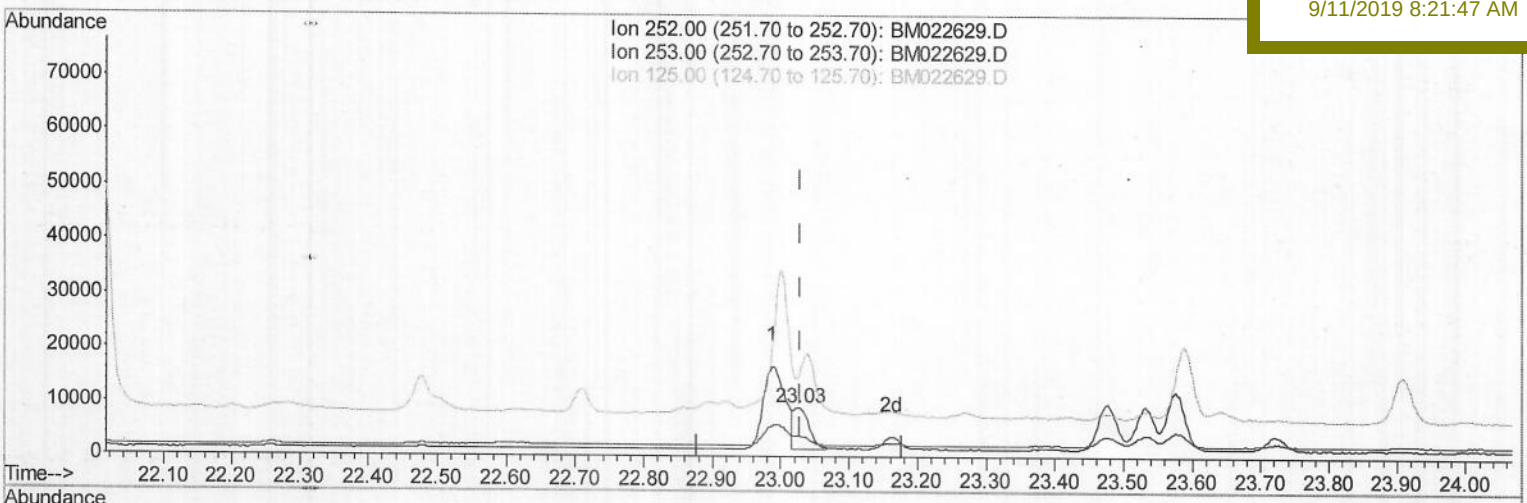
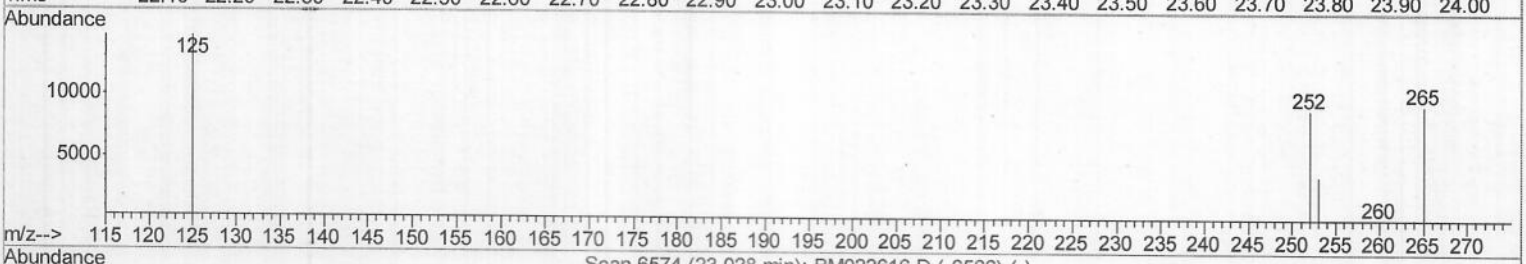
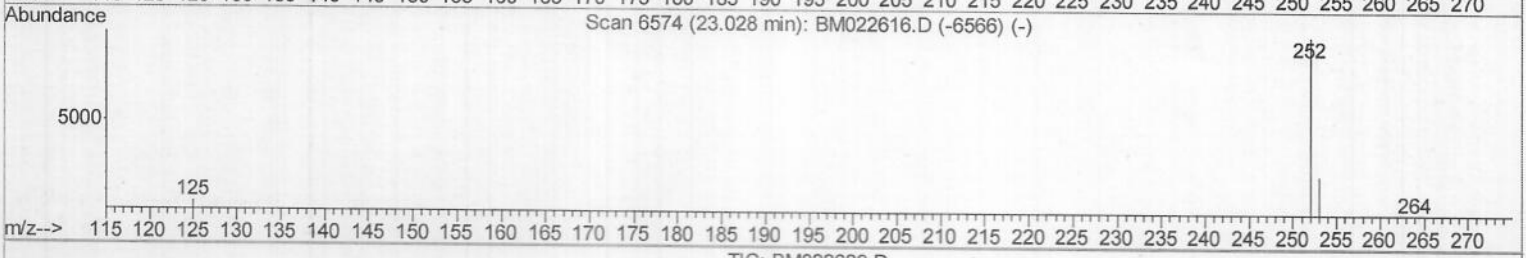
9/11/2019 8:21:47 AM







TIC: BM022629.D

(22) Benzo(k)fluoranthene

23.026min (-0.003) 0.04ng/ul m) JU 09/11/19

response 12328

Ion	Exp%	Act%
252.00	100	100
253.00	24.40	41.75#
125.00	14.00	162.38#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091019\
Data File : BM022629.D
Acq On : 10 Sep 2019 20:48
Operator : HP/JU
Sample : K4708-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Sep 10 21:25:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 15:06:45 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : CB5Q4

Manual Integrations APPROVED
mohammad
9/11/2019 8:21:47 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	18292	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	76480	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	40487	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	85653m	0.40	ng/ul	0.00
16) Chrysene-d12	21.39	240	64277m	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	66096	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.23	152	25876	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	58199m	0.25	ng/ul	0.00
Target Compounds						Qvalue
12) Phenanthrene	17.25	178	16214m	0.059	ng/ul	
15) Fluoranthene	19.27	202	42811m	0.145	ng/ul	
17) Pyrene	19.63	202	38588m	0.132	ng/ul	
18) Benzo(a)anthracene	21.37	228	18261m	0.074	ng/ul	
19) Chrysene	21.42	228	21921	0.085	ng/ul	94
21) Benzo(b)fluoranthene	22.99	252	33899m	0.118	ng/ul	
22) Benzo(k)fluoranthene	23.03	252	12328m	0.042	ng/ul	
23) Benzo(a)pyrene	23.58	252	19350	0.077	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.99	276	16128	0.053	ng/ul#	49
26) Benzo(g,h,i)perylene	26.70	276	13302	0.054	ng/ul#	74

JU 09/11/19

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