Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

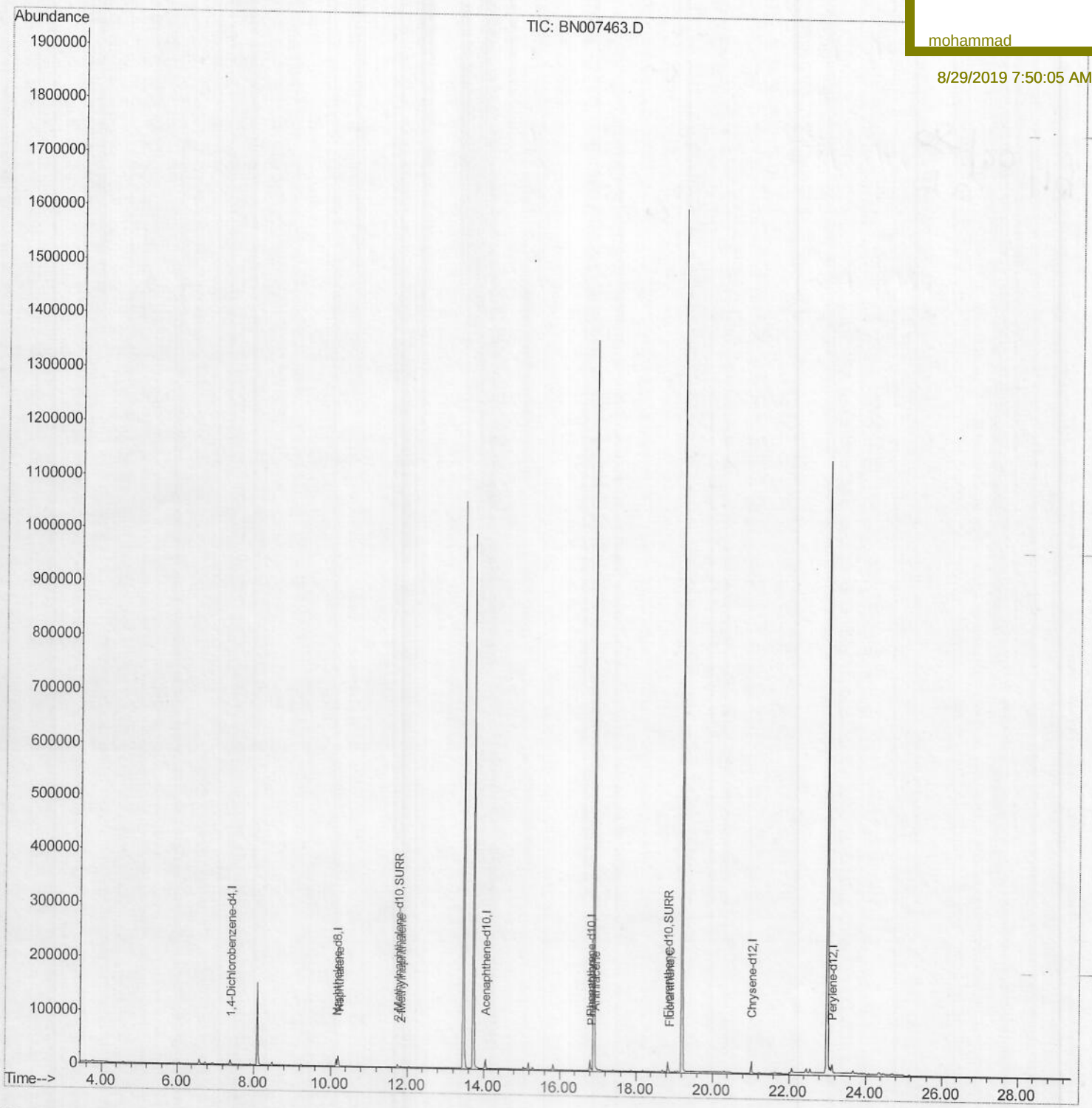
Quant Time: Aug 28 12:39:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

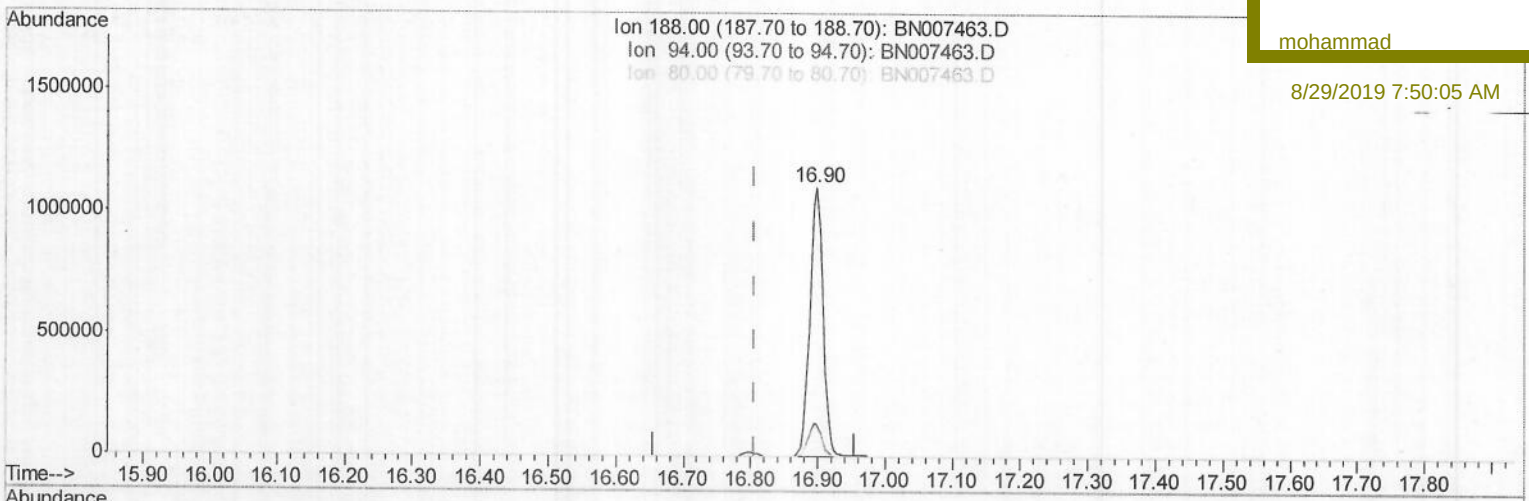
Quant Time: Aug 28 12:35:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

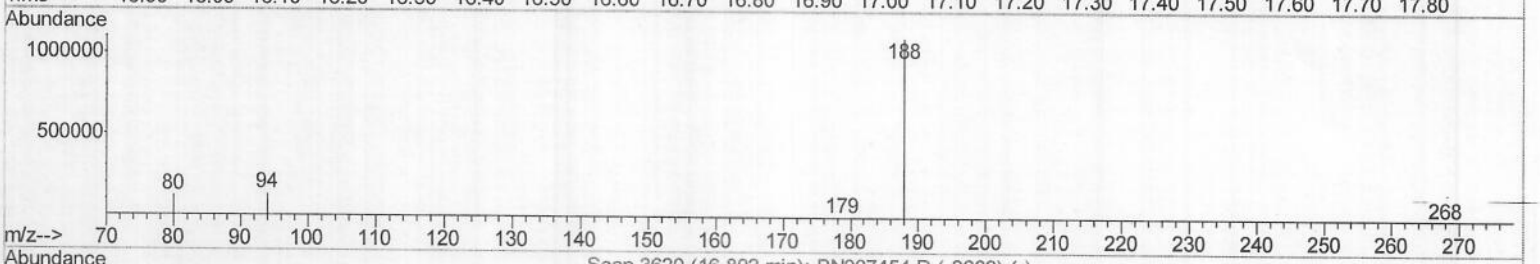
Instrument :
BNA_N
ClientSampleId :
C0AA4

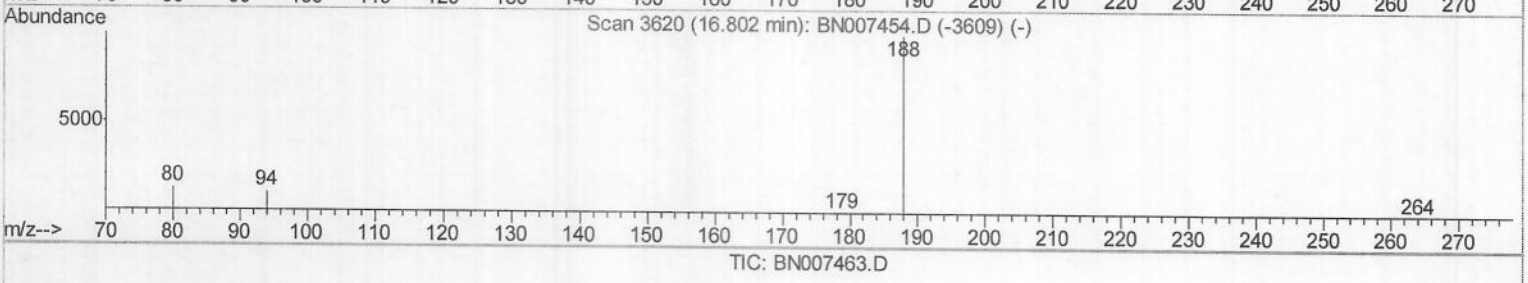
Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM







(10) Phenanthrene-d10 (I)

16.899min (+0.093) 0.40ng/ul

response 1529499

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	11.78
80.00	12.40	10.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

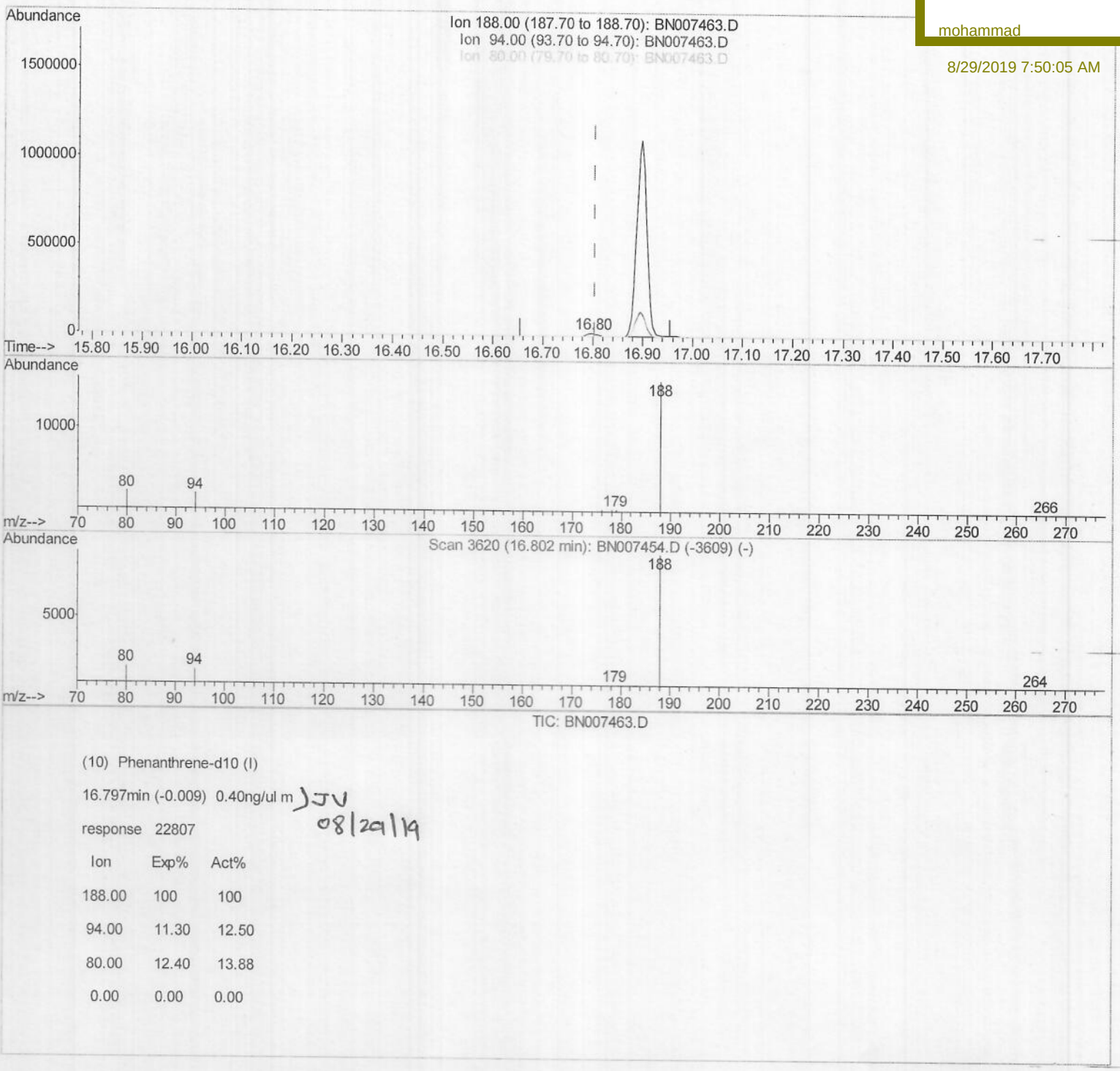
Quant Time: Aug 28 12:35:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



(10) Phenanthrene-d10 (I)

16.797min (-0.009) 0.40ng/ul m JJV 08/29/19

response 22807

Ion	Exp%	Act%
188.00	100	100
94.00	11.30	12.50
80.00	12.40	13.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 28 12:36:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
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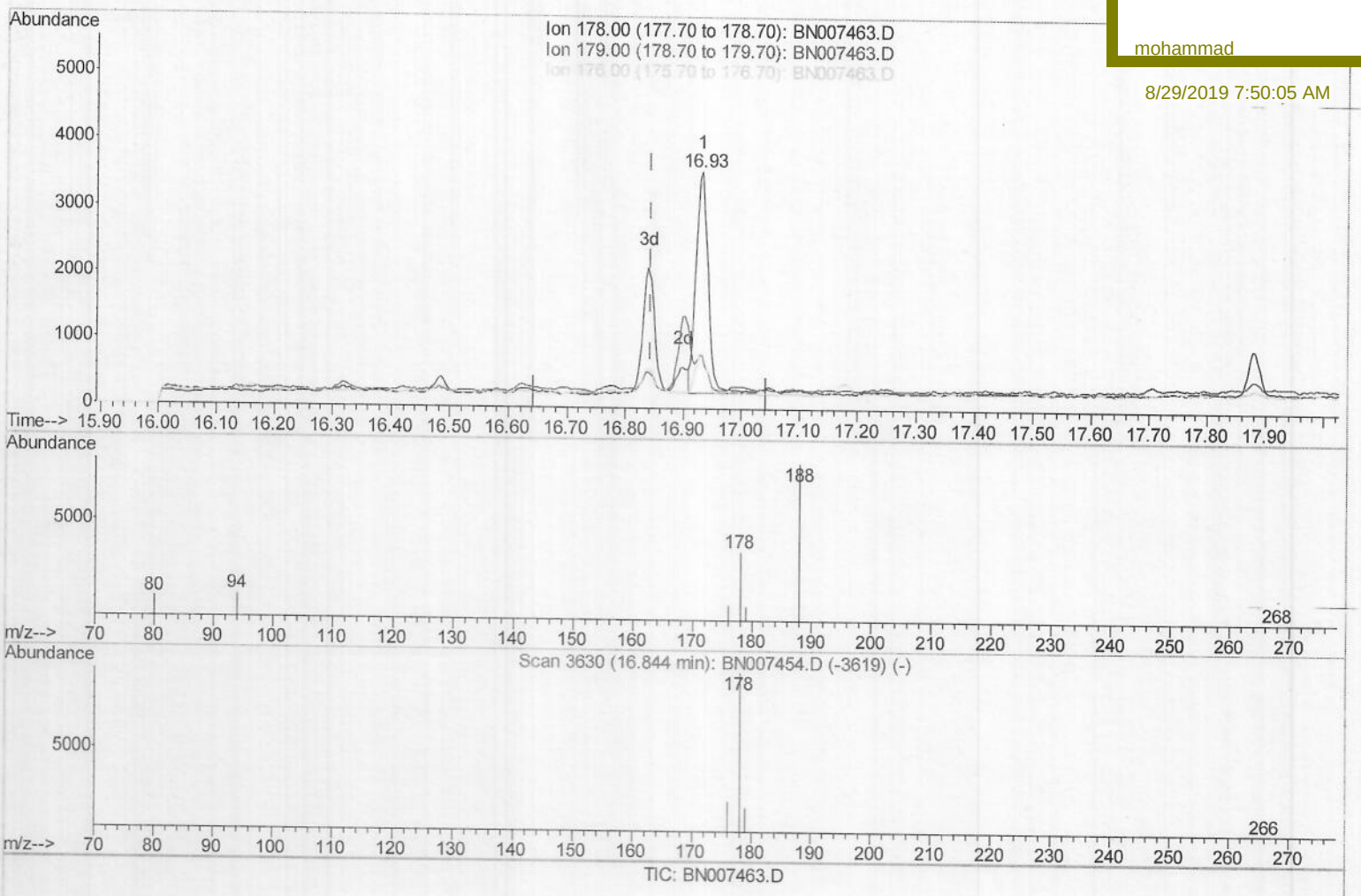
Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



(12) Phenanthrene

16.933min (+0.088) 0.07ng/ul

response 4911

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	22.08#
176.00	19.00	23.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 28 12:36:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
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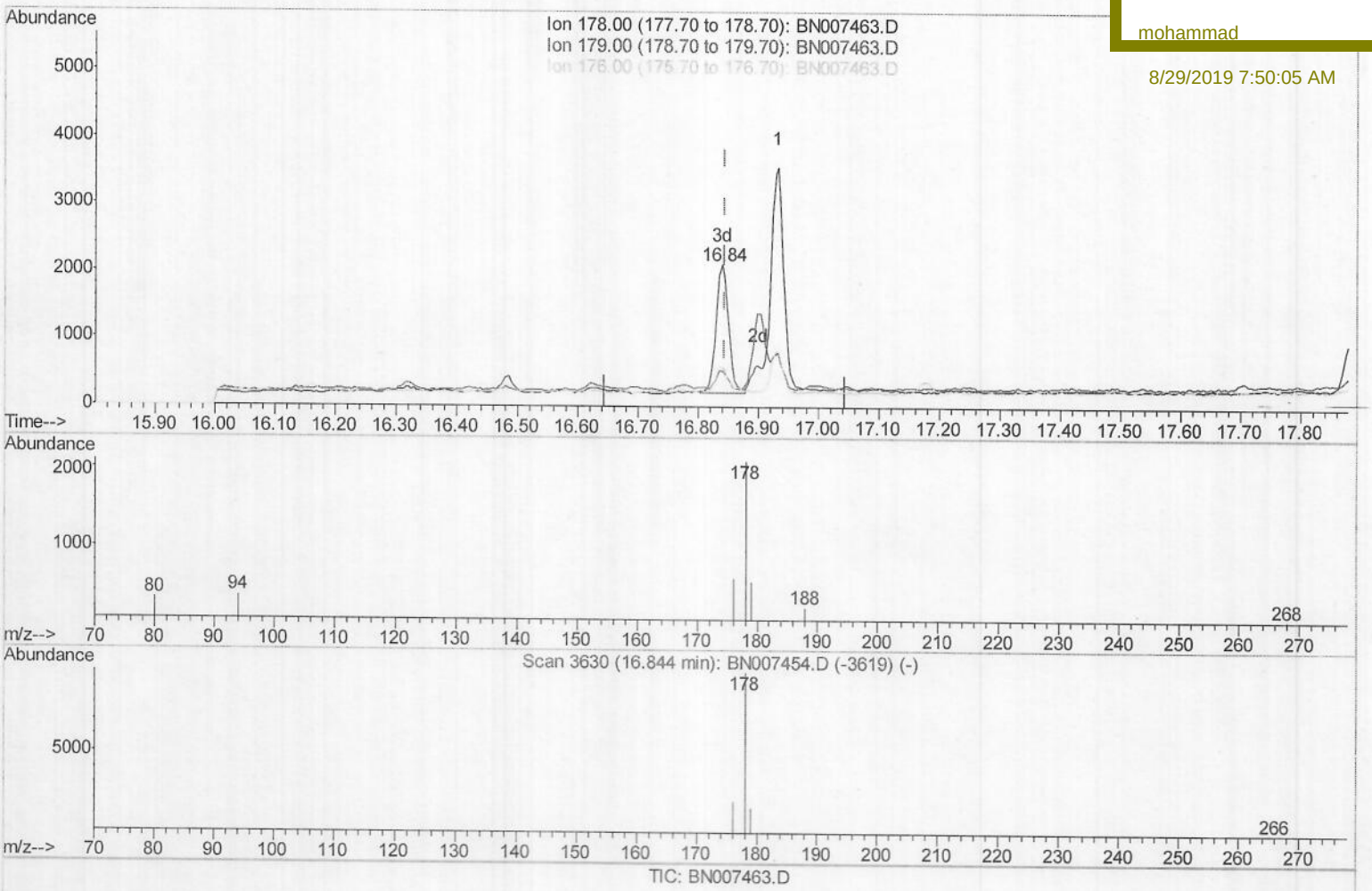
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



TIC: BN007463.D

(12) Phenanthrene

16.840min (-0.004) 0.04ng/ul m JU 08/29/19

response 2700

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	25.69#
176.00	19.00	27.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

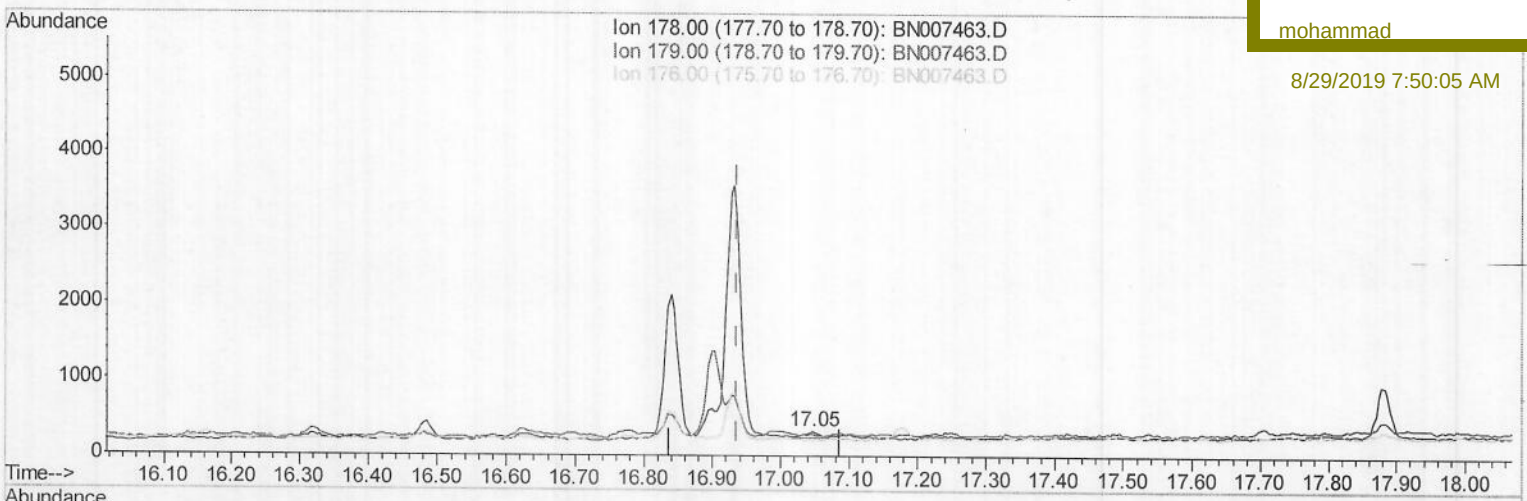
Quant Time: Aug 28 12:36:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

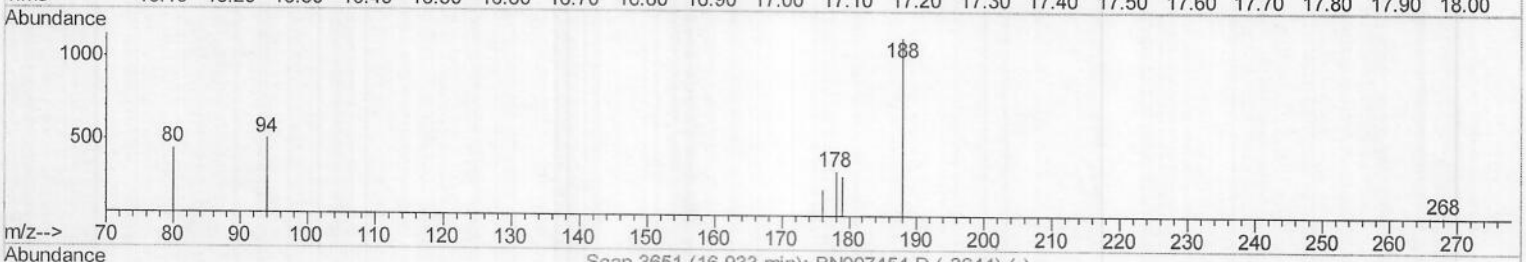
Instrument :
BNA_N
ClientSampleId :
C0AA4

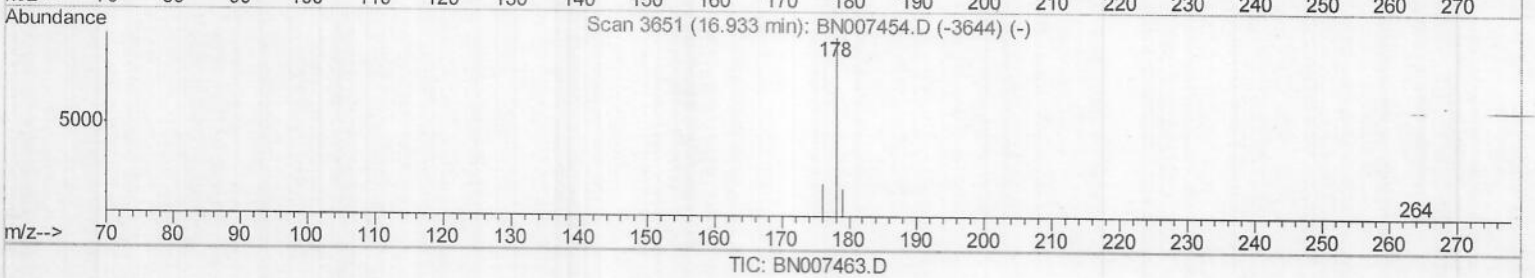
Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM







TIC: BN007463.D

(13) Anthracene

17.047min (+0.110) 0.00ng/ul

response 104

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	89.51#
176.00	18.20	65.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 28 12:36:30 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 :
C0AA4

Manual Integrations APPROVED

mohammad

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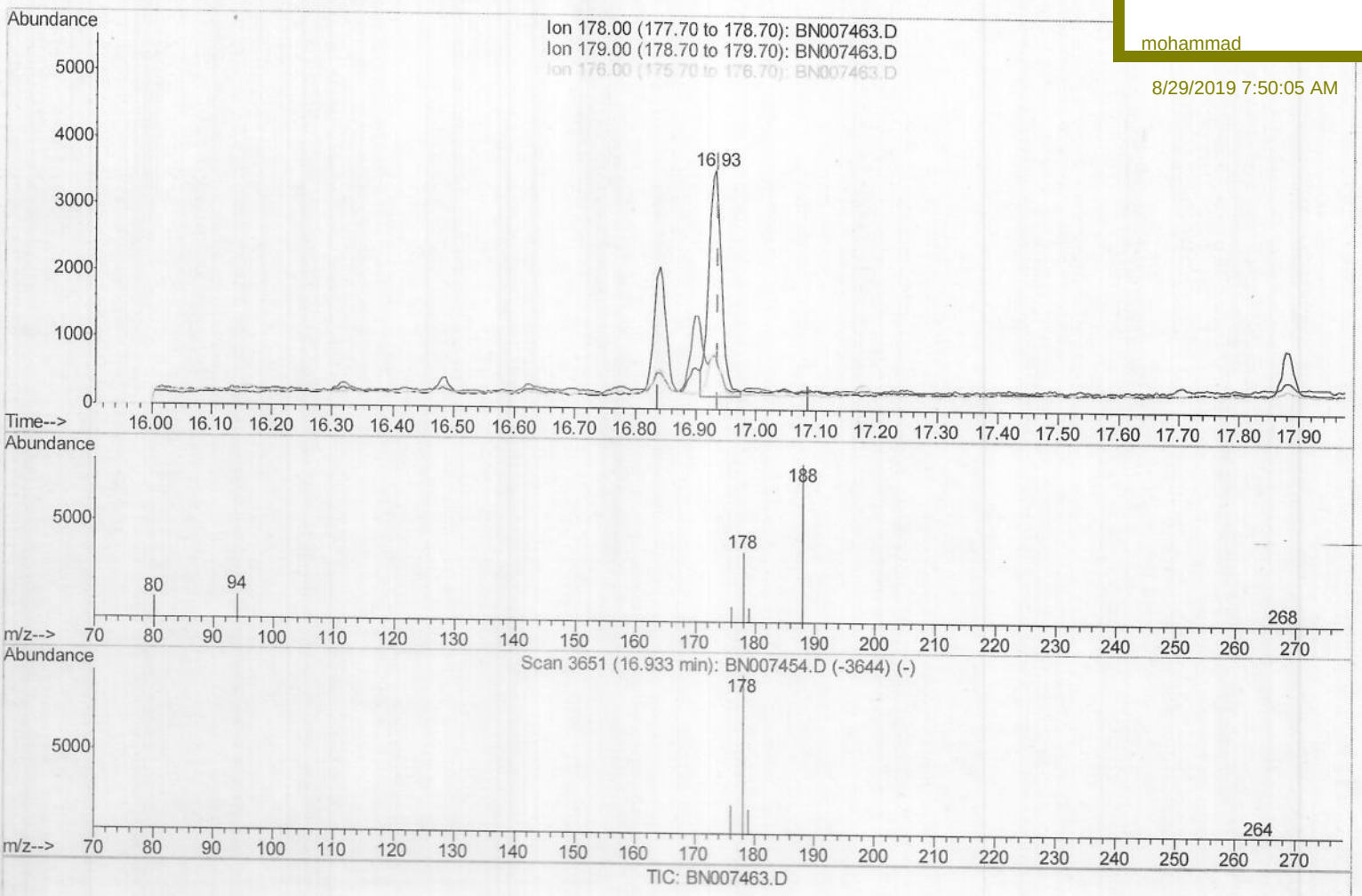


(13) Anthracene

16.933min (-0.004) 0.07ng/ul m) JV 08/29/19

response 4966

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	22.08#
176.00	18.20	23.09#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

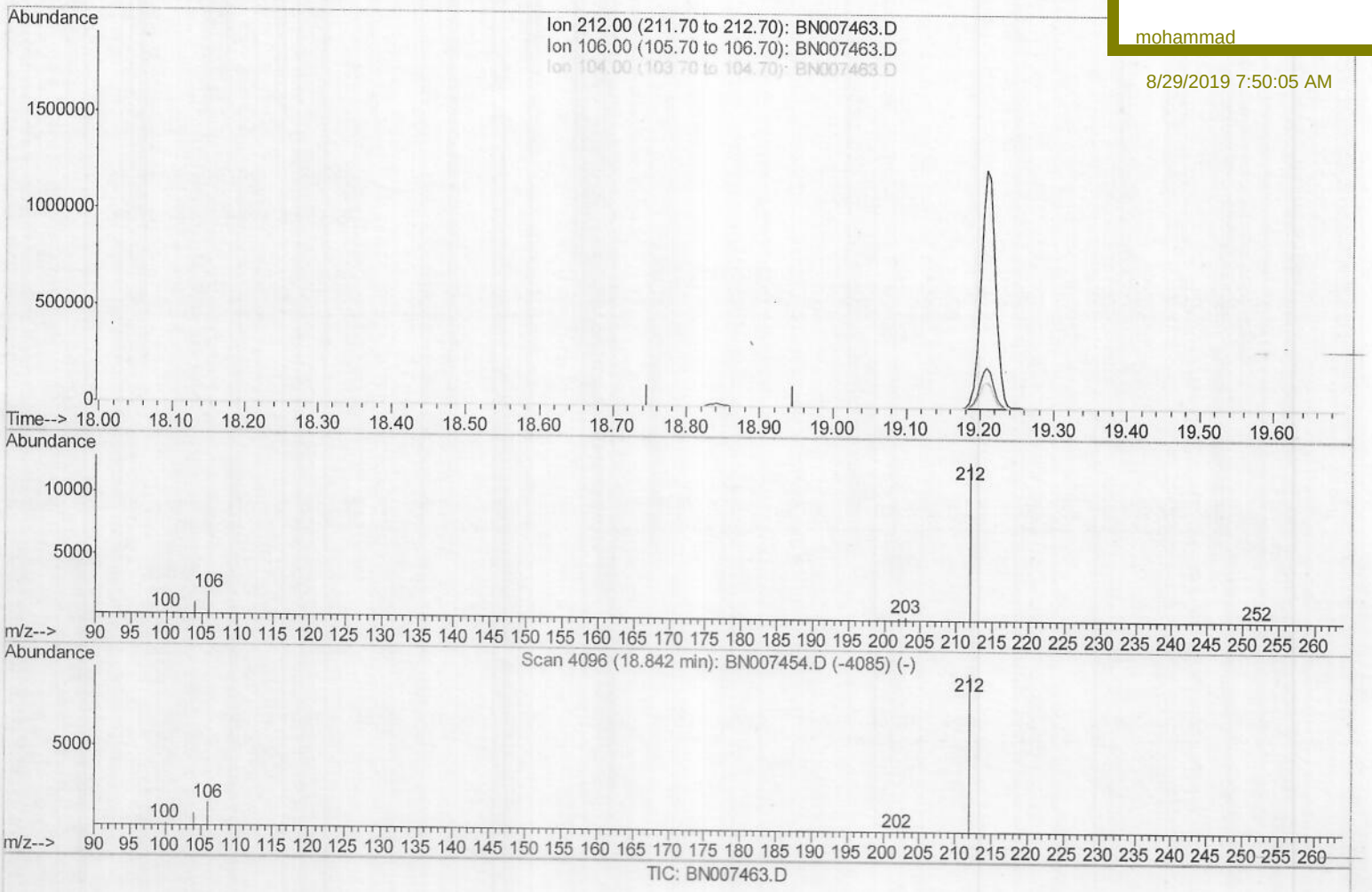
Quant Time: Aug 28 12:36:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



TIC: BN007463.D

(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 : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

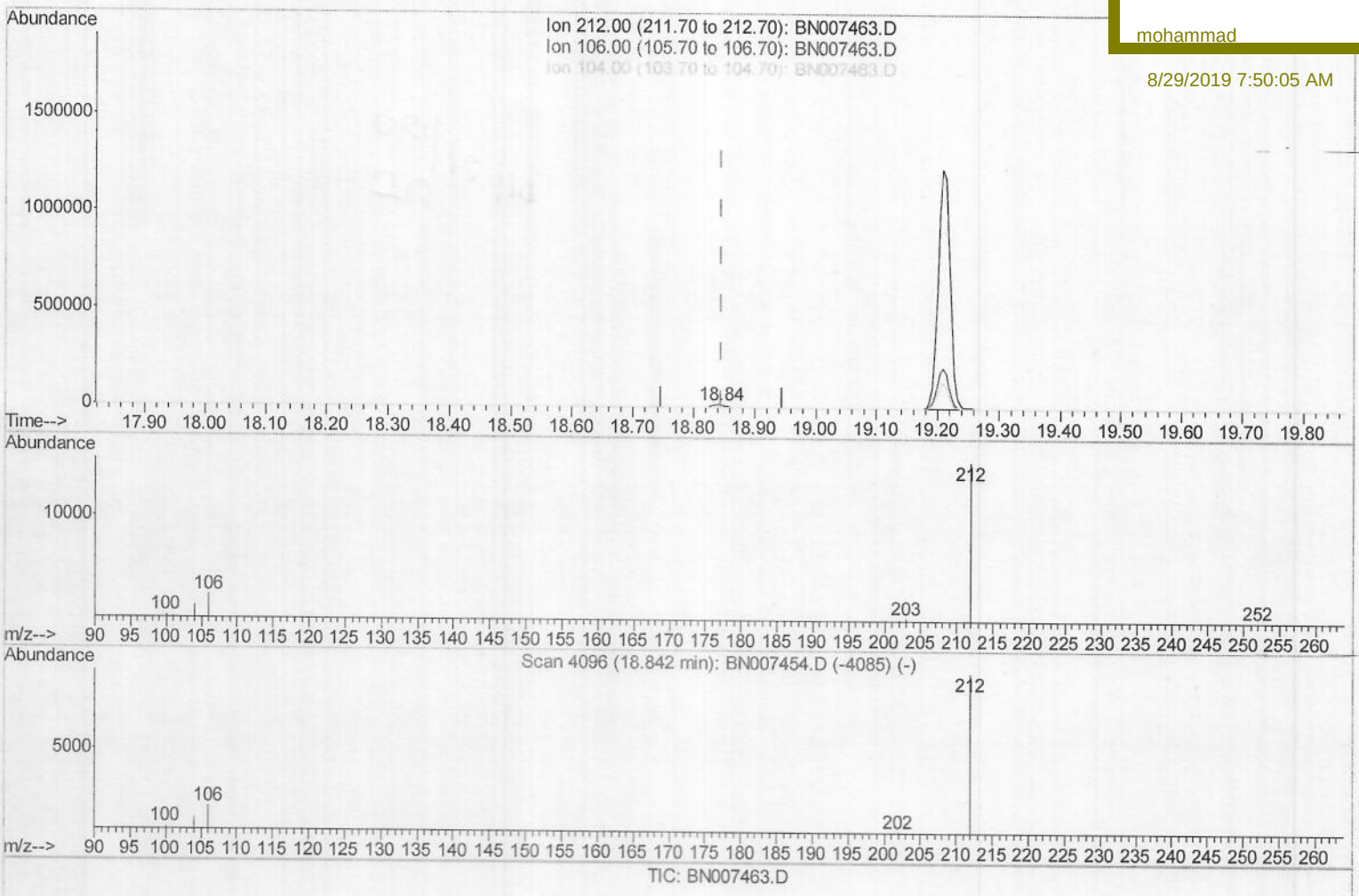
Quant Time: Aug 28 12:36:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



(14) Fluoranthene-d10 (SURR)

18.842min (-0.005) 0.27ng/ul m JU 08/29/19

response 19953

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 : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

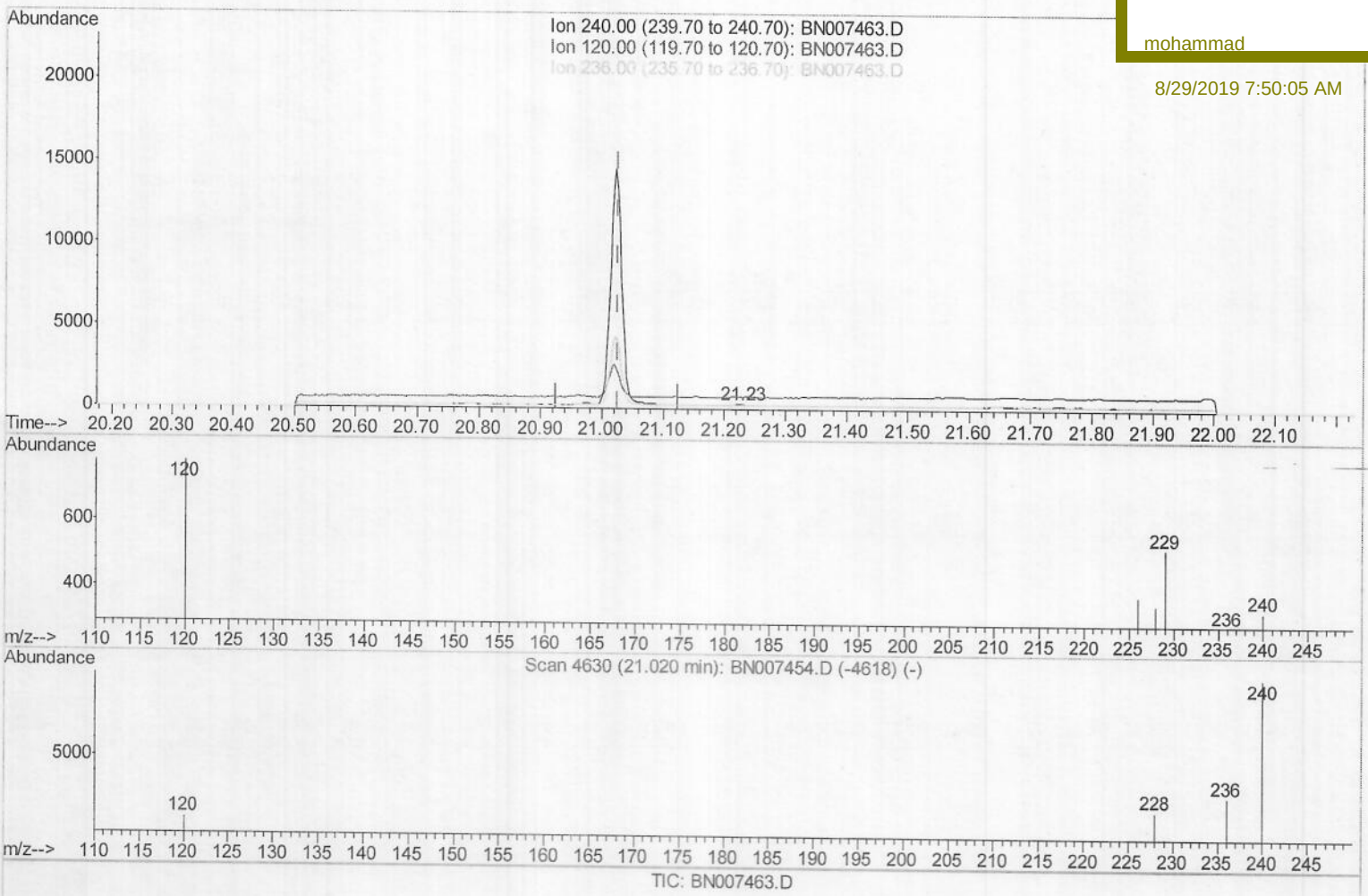
Quant Time: Aug 28 12:36:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



(16) Chrysene-d12 (I)

21.227min (+0.201) 0.40ng/ul

response 59

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	236.14#
236.00	28.60	86.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

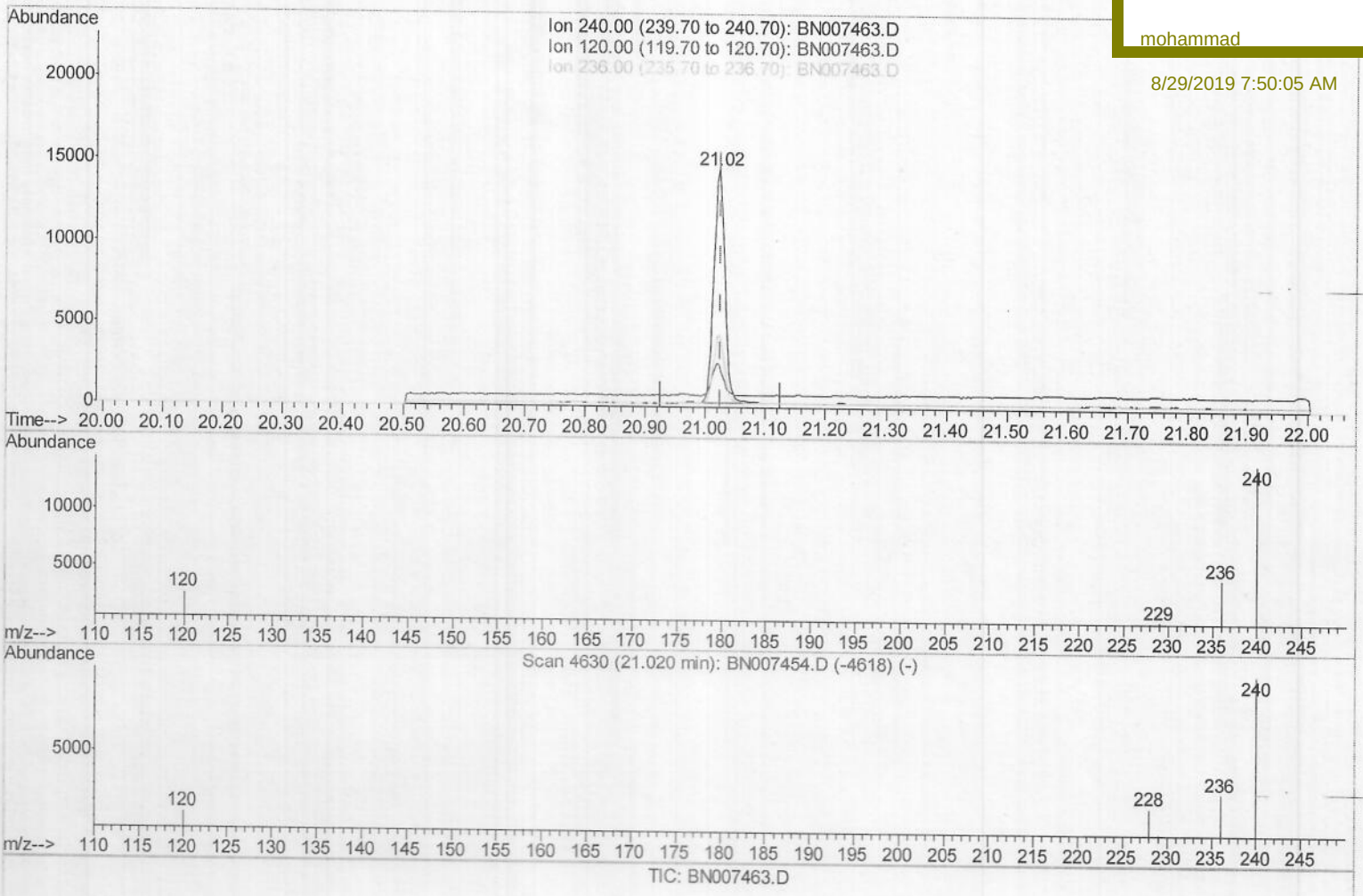
Quant Time: Aug 28 12:36:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



TIC: BN007463.D

(16) Chrysene-d12 (I)

21.023min (-0.003) 0.40ng/ul m) JU 08/29/19

response 18228

Ion	Exp%	Act%
240.00	100	100
120.00	15.00	17.43
236.00	28.60	29.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

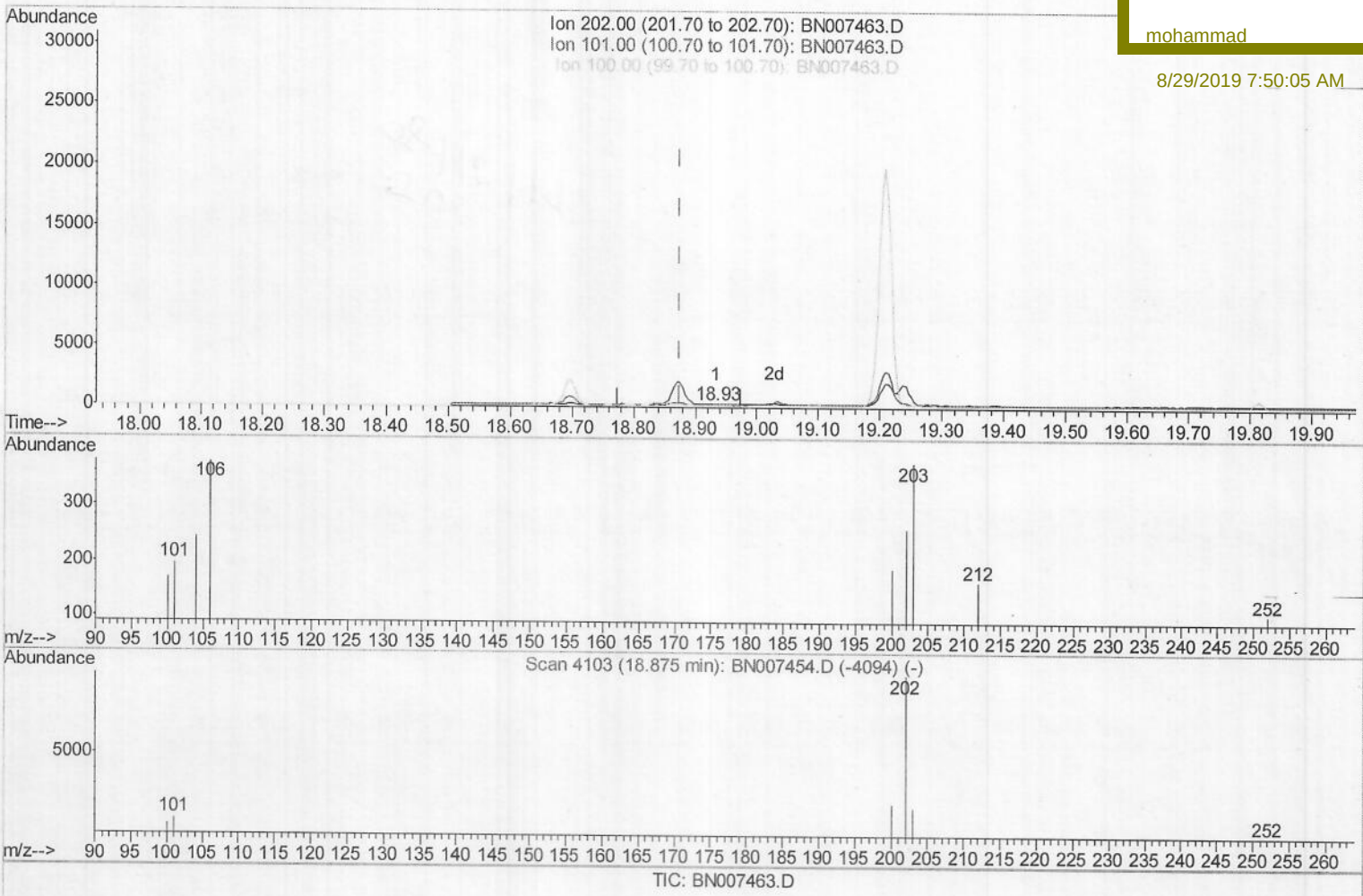
Quant Time: Aug 28 12:38:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



TIC: BN007463.D

(15) Fluoranthene (C)

18.935min (+0.060) 0.00ng/ul

response 40

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	75.38#
100.00	8.50	65.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

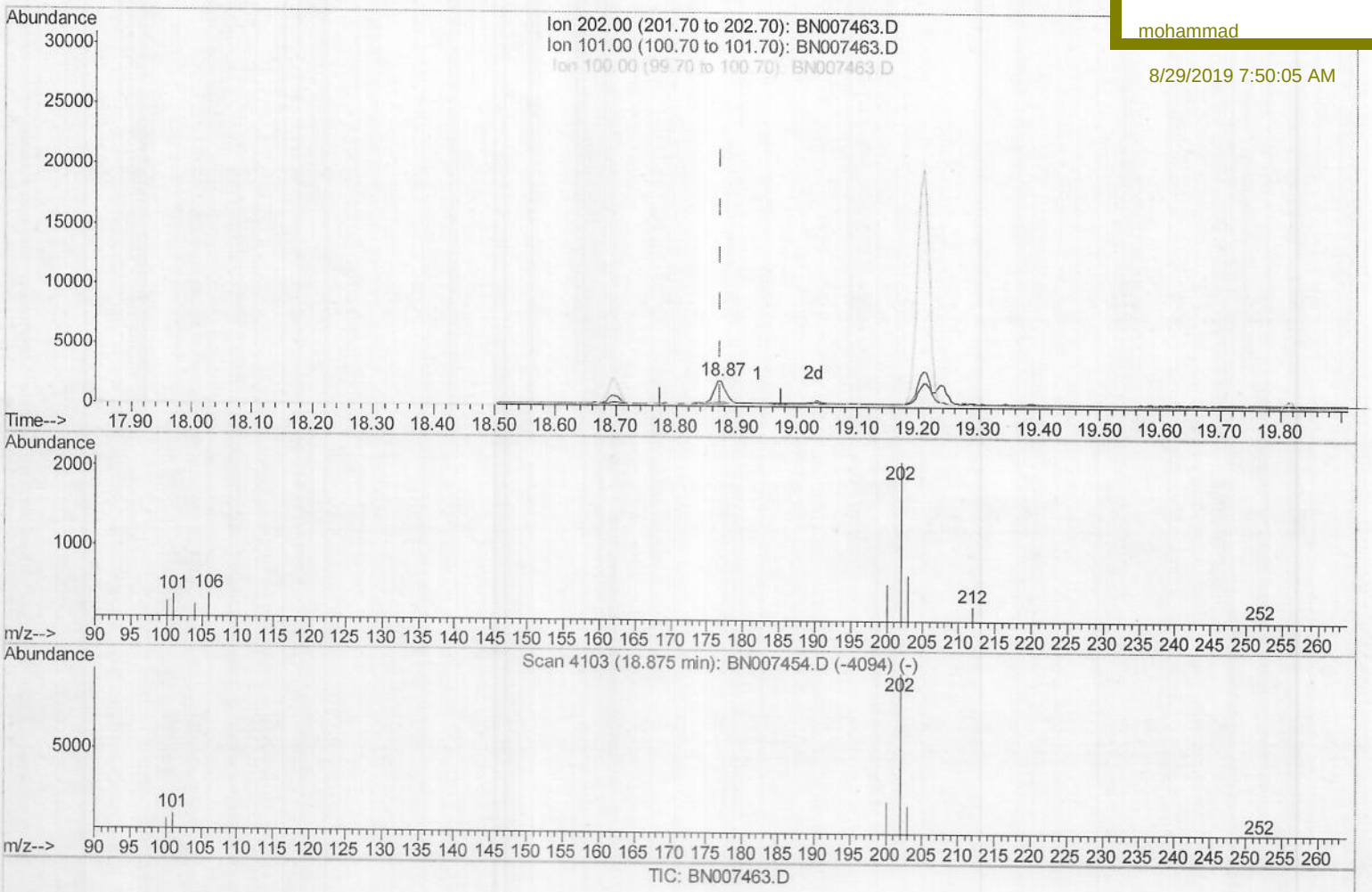
Quant Time: Aug 28 12:38:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



TIC: BN007463.D

(15) Fluoranthene (C)

18.874min (-0.000) 0.03ng/ul m JU 08/29/19

response 2775

Ion	Exp%	Act%
202.00	100	100
101.00	11.30	18.11
100.00	8.50	14.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

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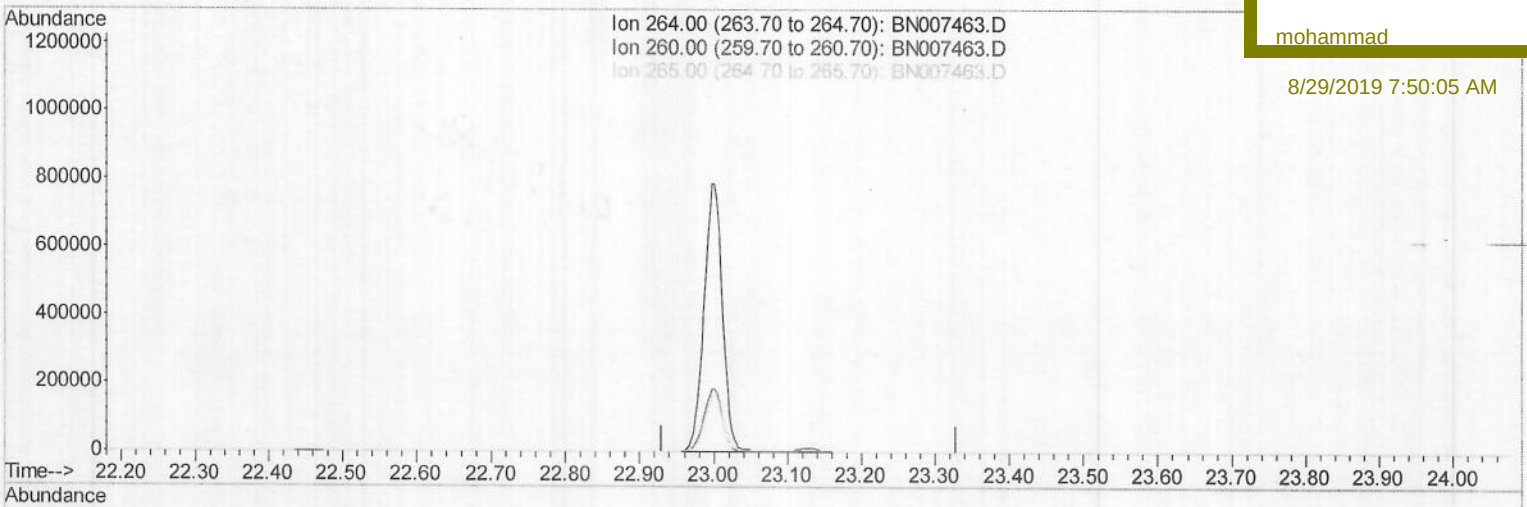
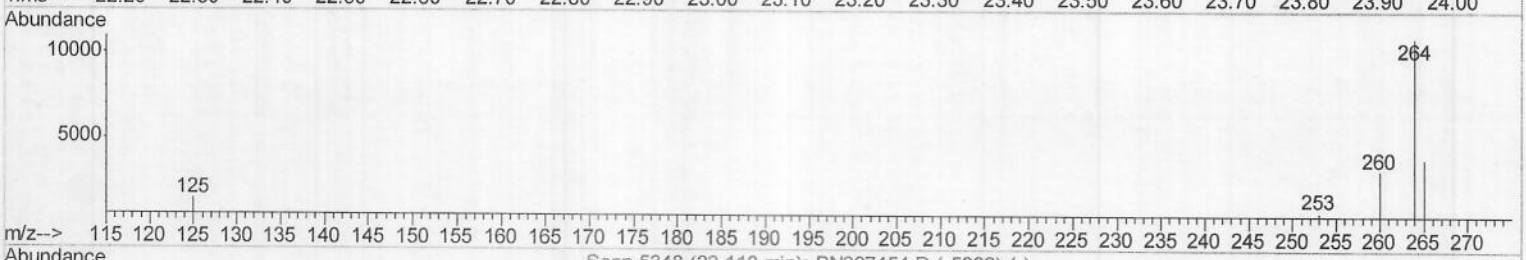
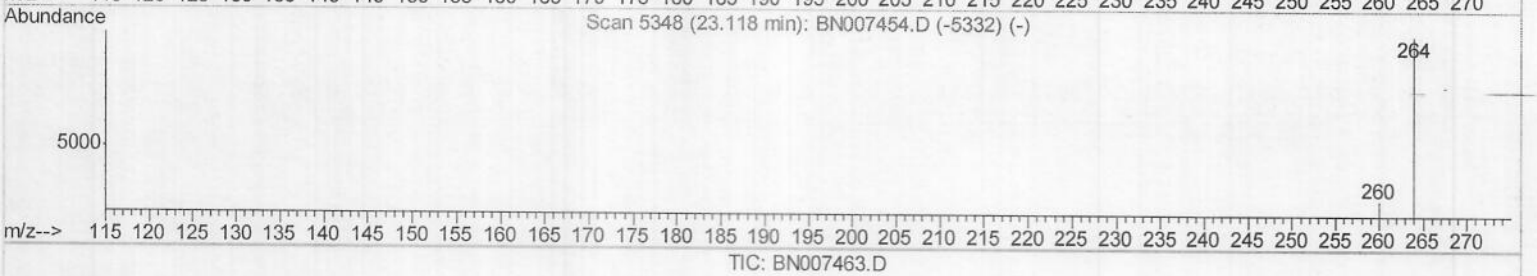
Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM







TIC: BN007463.D

(20) Perylene-d12 (I)

23.130min (-23.130) 0.00ng/ul

response 0

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

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 28 12:38:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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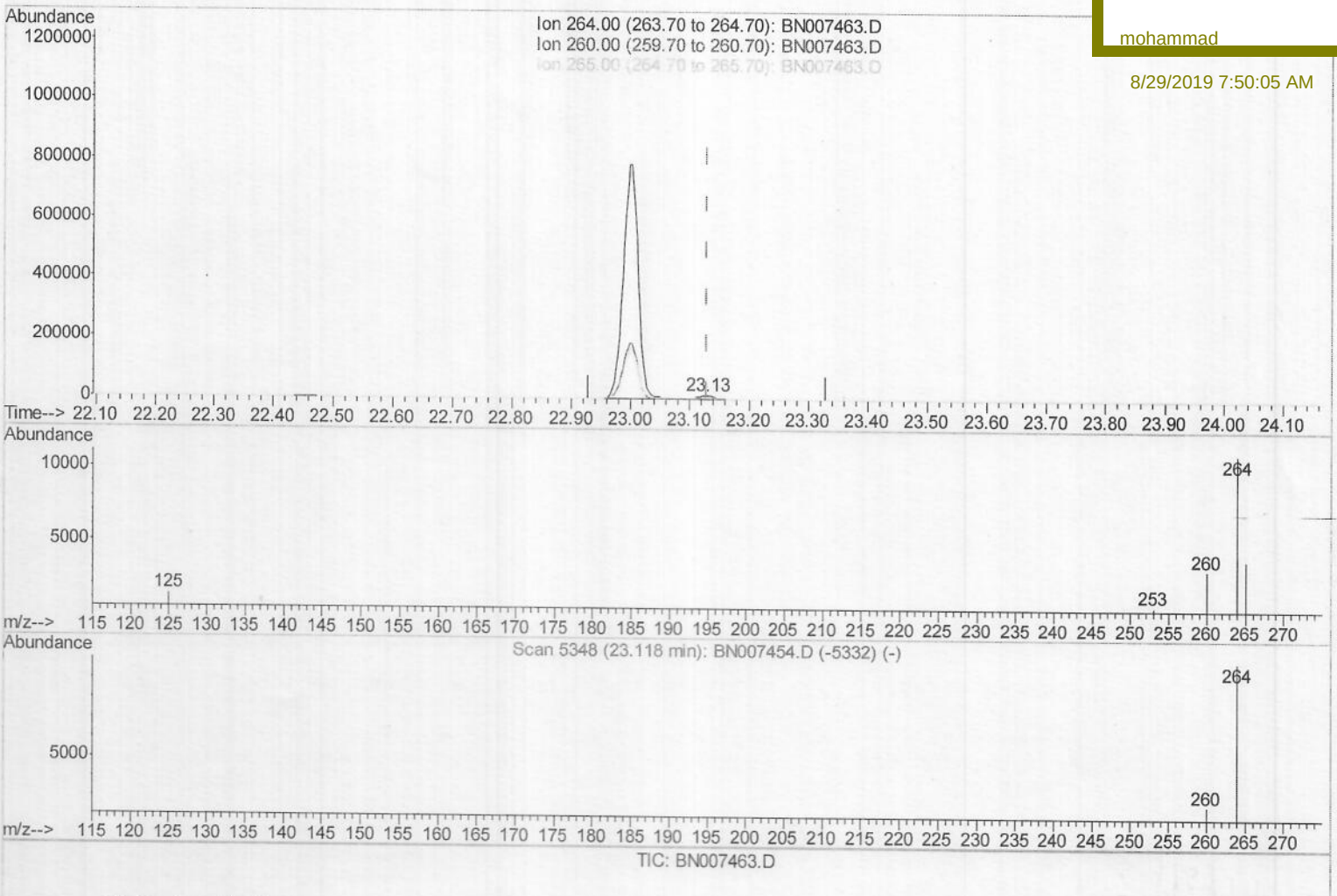
Instrument :
BNA_N
ClientSampleId :
C0AA4

Manual Integrations APPROVED

mohammad

8/29/2019 7:50:05 AM



(20) Perylene-d12 (I)

23.127min (-0.003) 0.40ng/ul m

JU 08/29/19

response 16291

Ion	Exp%	Act%
264.00	100	100
260.00	28.70	28.70
265.00	35.80	35.15
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082819\
Data File : BN007463.D
Acq On : 28 Aug 2019 12:02
Operator : HP/JU
Sample : K4373-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

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ClientSampleId : C0AA4

Manual Integrations APPROVED
mohammad
8/29/2019 7:50:05 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4285	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	19240	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	9785	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	22807m	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	18228m	0.40	ng/ul	0.00
20) Perylene-d12	23.13	264	16291m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	7976	0.27	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	19953m	0.27	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.20	128	26814	0.494	ng/ul	99
5) 2-Methylnaphthalene	11.83	142	1626	0.045	ng/ul	98
12) Phenanthrene	16.84	178	2700m	0.038	ng/ul	
13) Anthracene	16.93	178	4966m	0.074	ng/ul	
15) Fluoranthene	18.87	202	2775m	0.029	ng/ul	

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