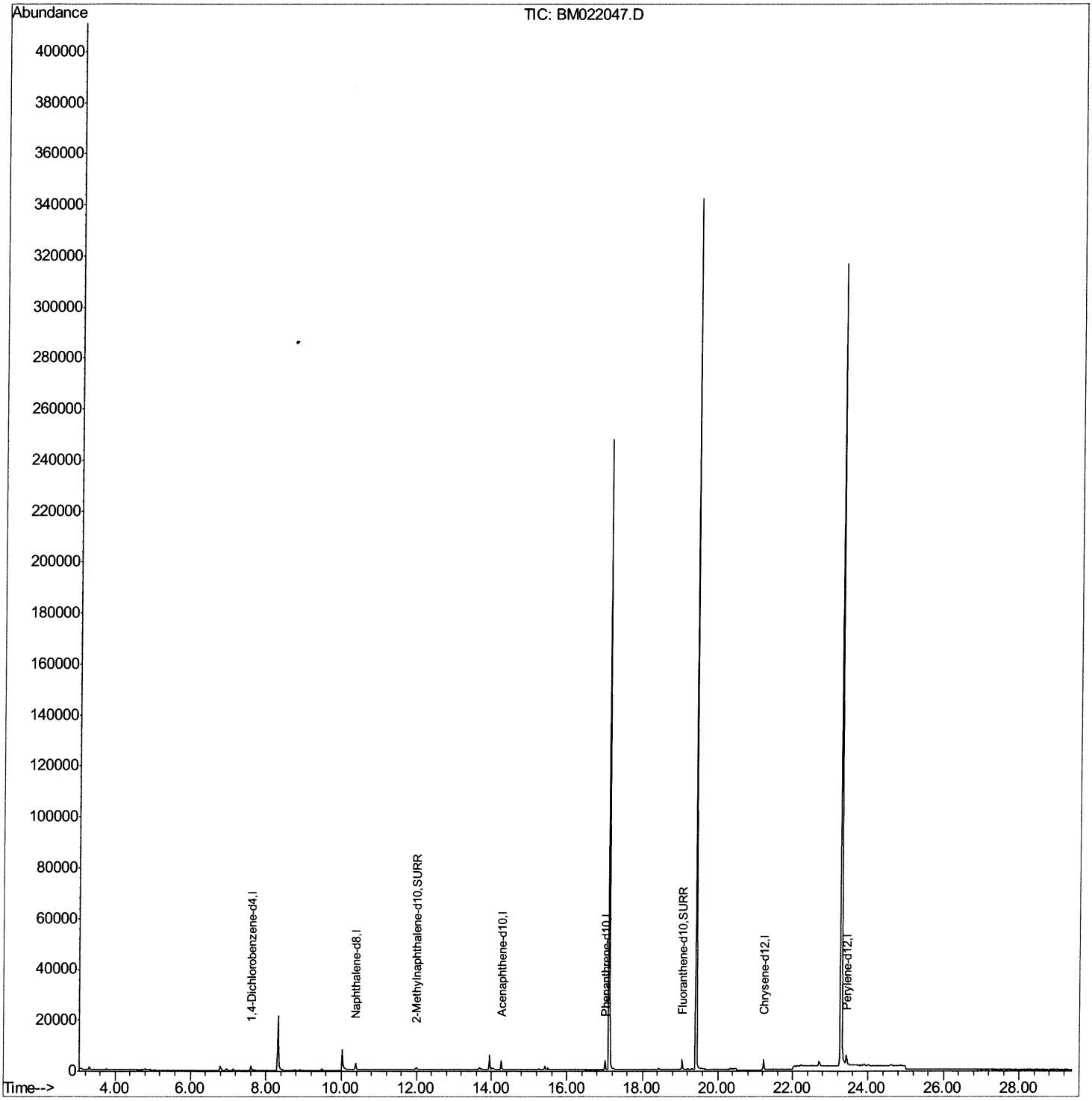
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:24:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM



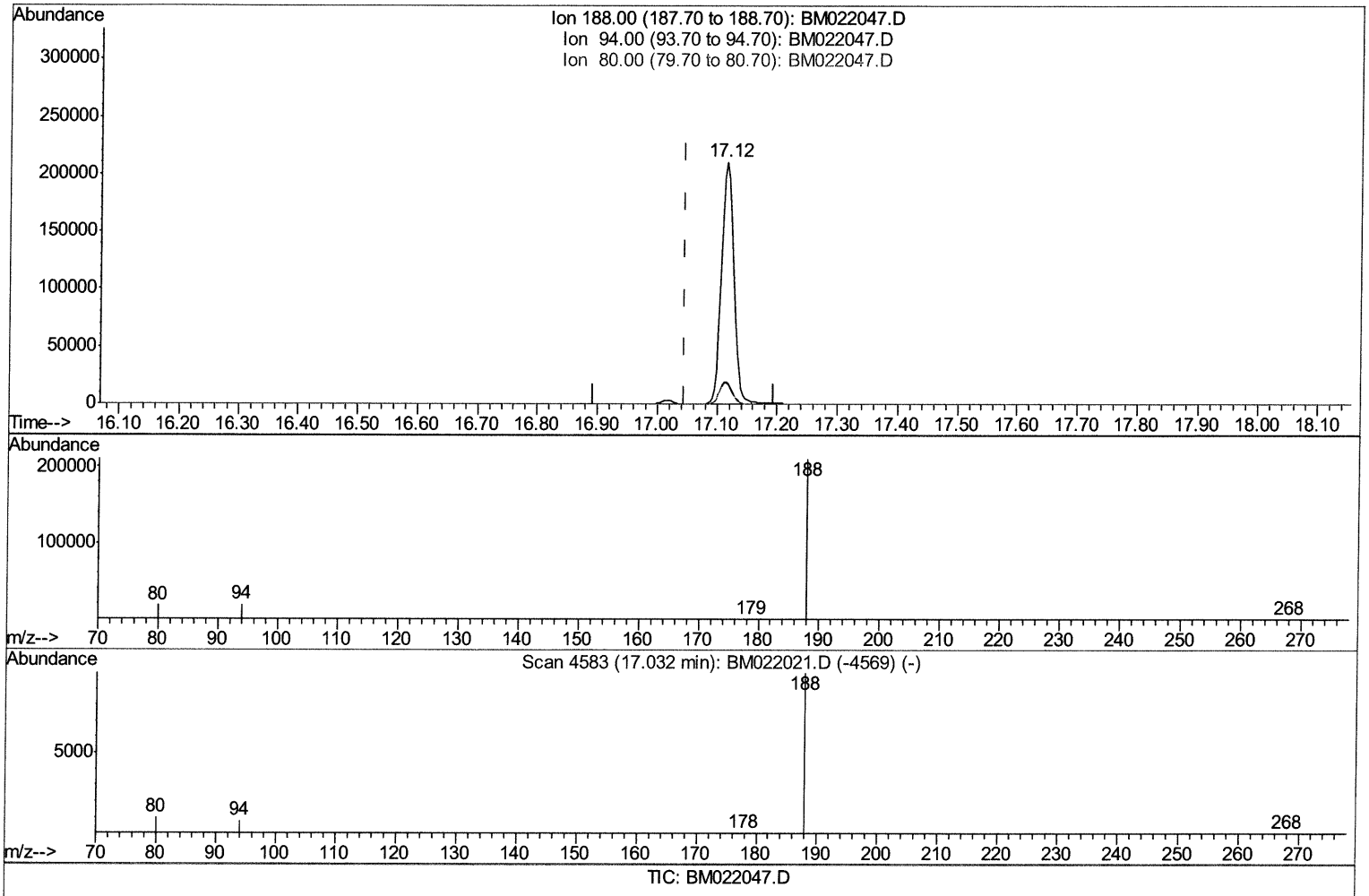
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:21:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM



TIC: BM022047.D

(10) Phenanthrene-d10 (I)

17.115min (+0.071) 0.40ng/ul

response 295913

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.04
80.00	11.40	8.63#
0.00	0.00	0.00

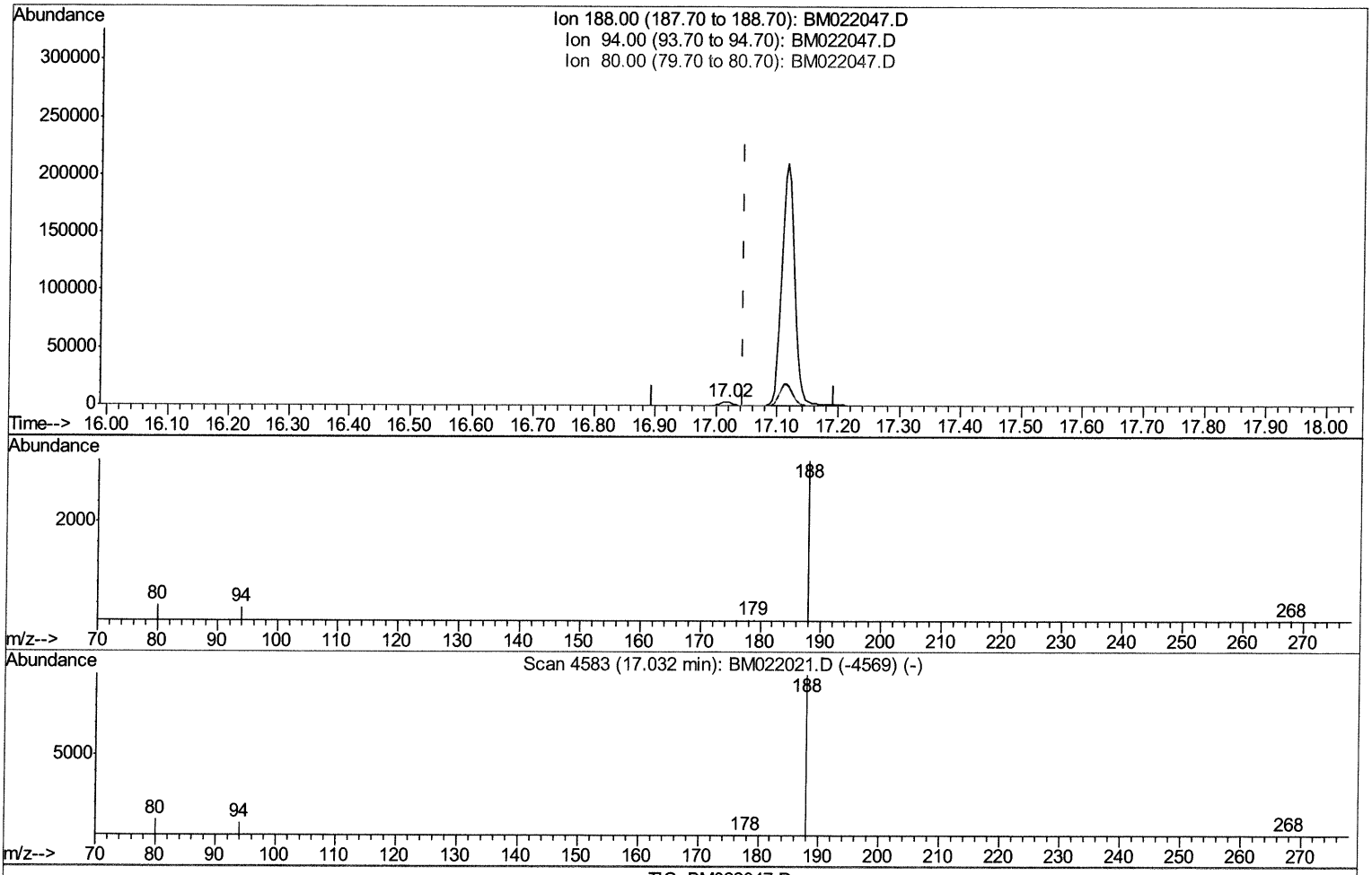
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:21:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM



TIC: BM022047.D

(10) Phenanthrene-d10 (I)

17.018min (-0.026) 0.40ng/ul m JU 08/20/19

response 4597

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.92
80.00	11.40	11.04
0.00	0.00	0.00

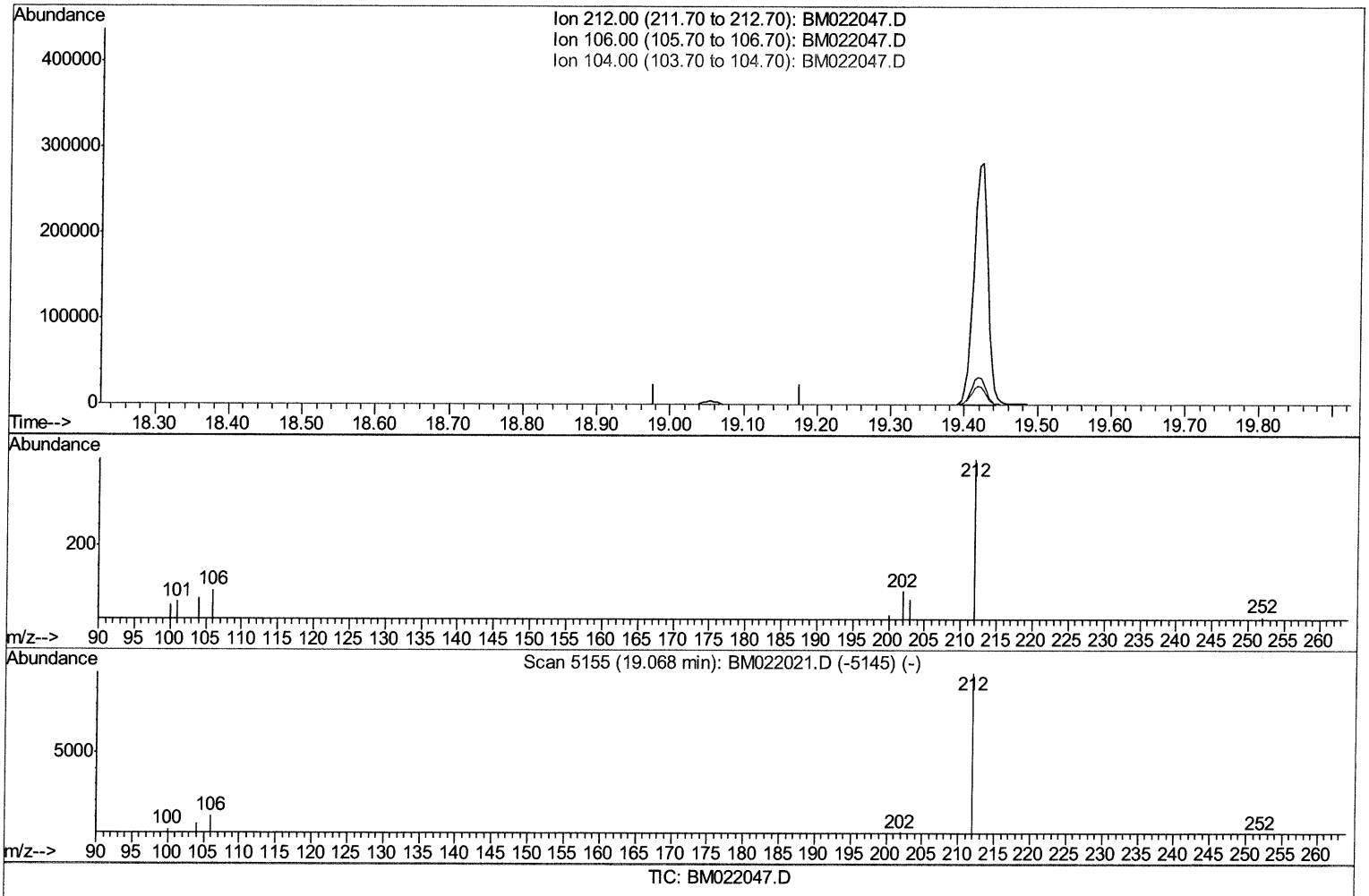
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:22:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM



TIC: BM022047.D

(14) Fluoranthene-d10 (SURR)

19.077min (-19.077) 0.00ng/ul

response 0

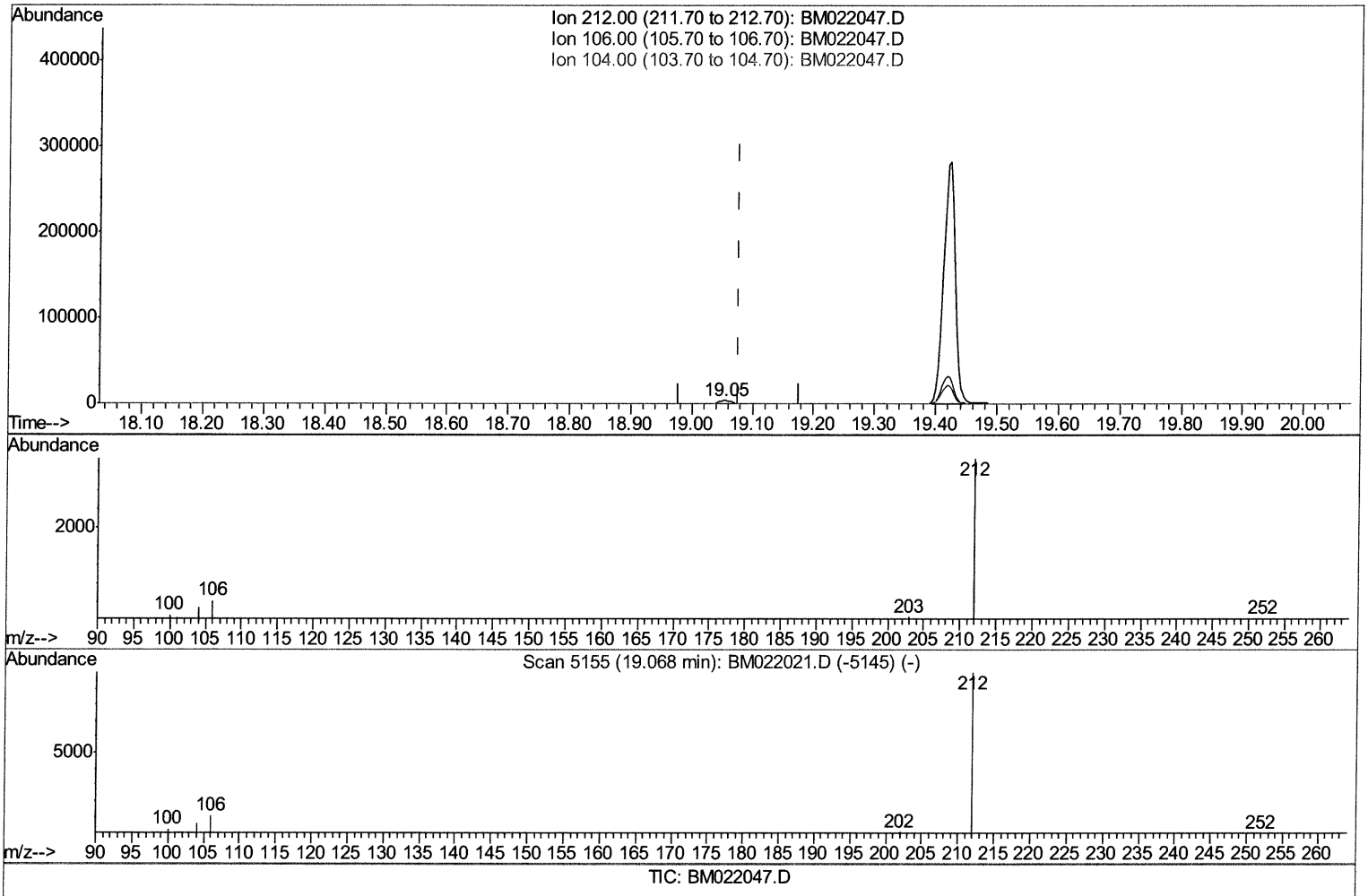
Ion	Exp%	Act%
212.00	100	0.00
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:22:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM



TIC: BM022047.D

(14) Fluoranthene-d10 (SURR)

19.053min (-0.025) 0.30ng/ul m JU 8/20/19

response 4718

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.00#
104.00	6.00	0.00#
0.00	0.00	0.00

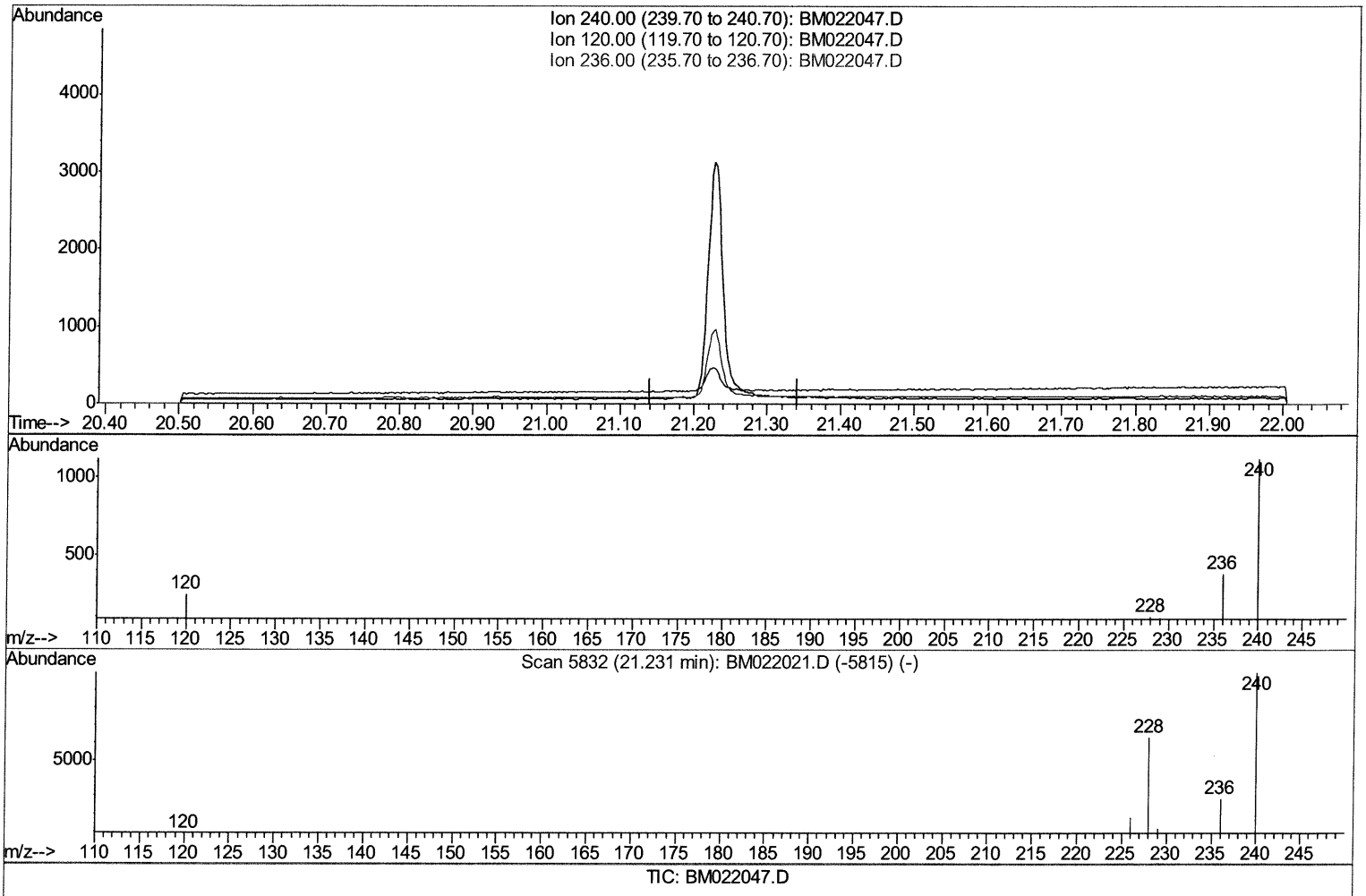
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:22:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM



(16) Chrysene-d12 (I)

21.241min (-21.241) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	16.20	0.00#
236.00	32.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:22:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
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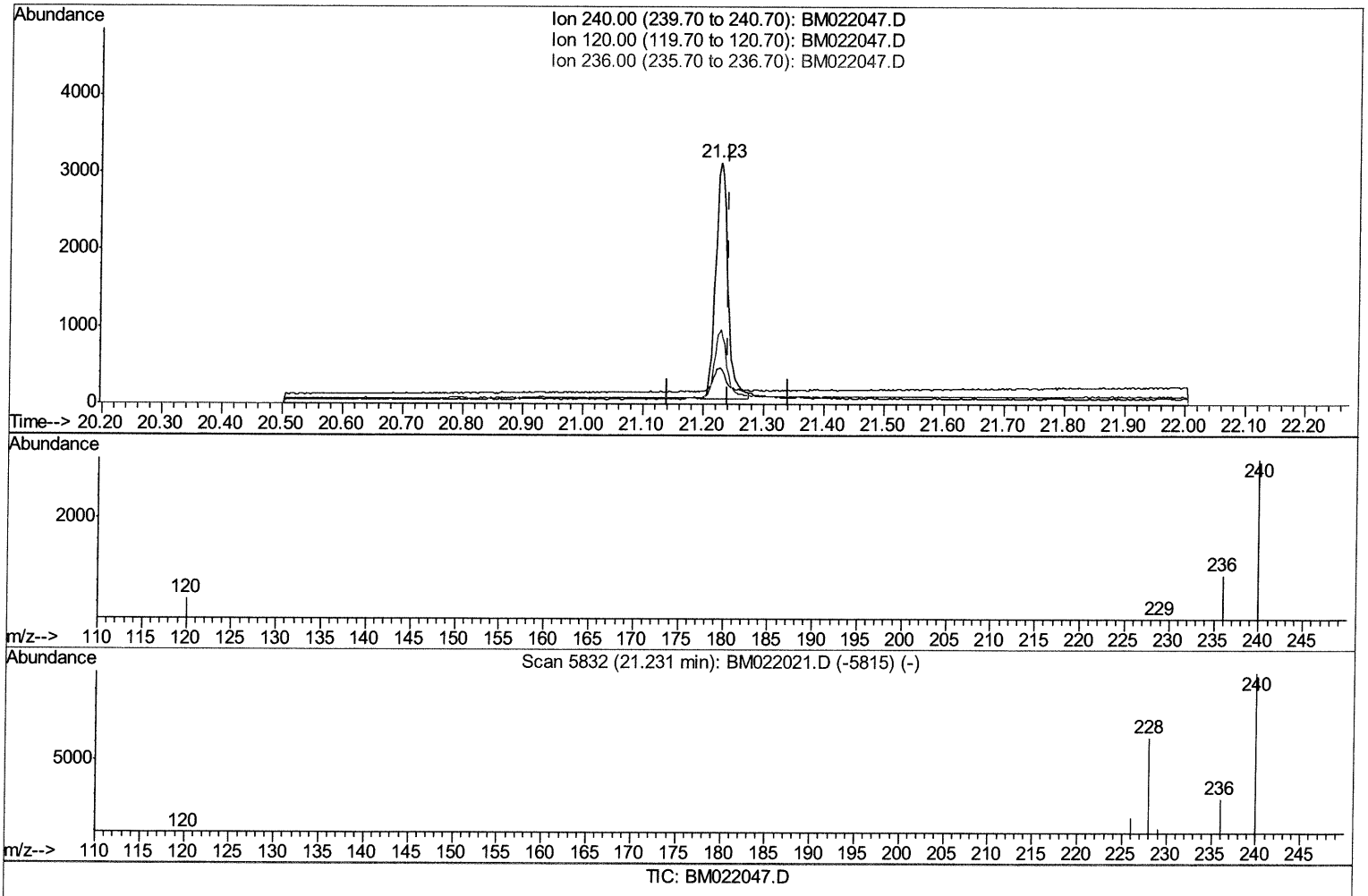


(16) Chrysene-d12 (I)

21.226min (-0.015) 0.40ng/ul m JU 08/20/19

response 4341

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.23
236.00	32.30	29.91
0.00	0.00	0.00

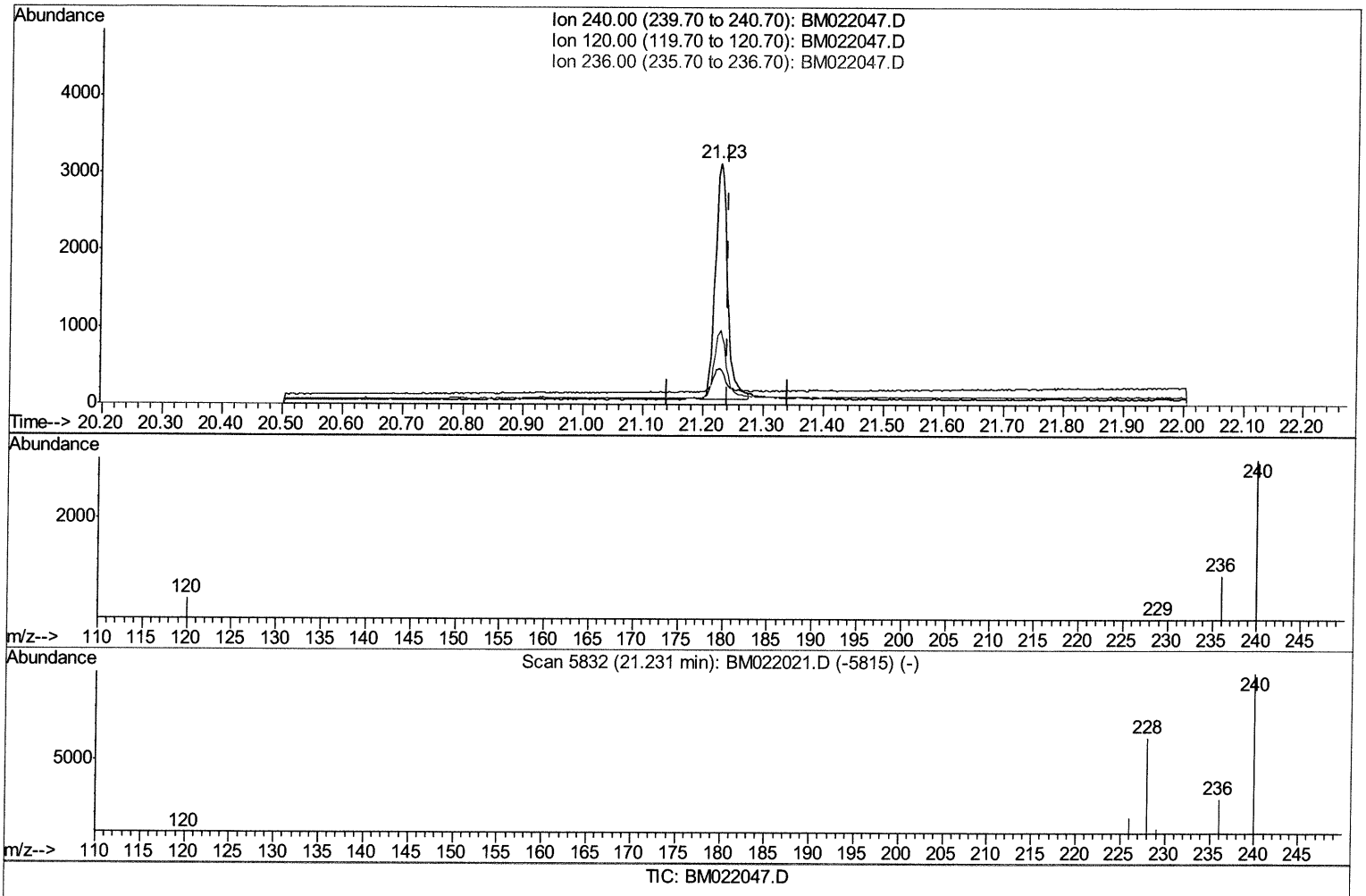
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:22:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM



(16) Chrysene-d12 (I)

21.226min (-0.015) 0.40ng/ul m JU 08/20/19

response 4341

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.23
236.00	32.30	29.91
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:22:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
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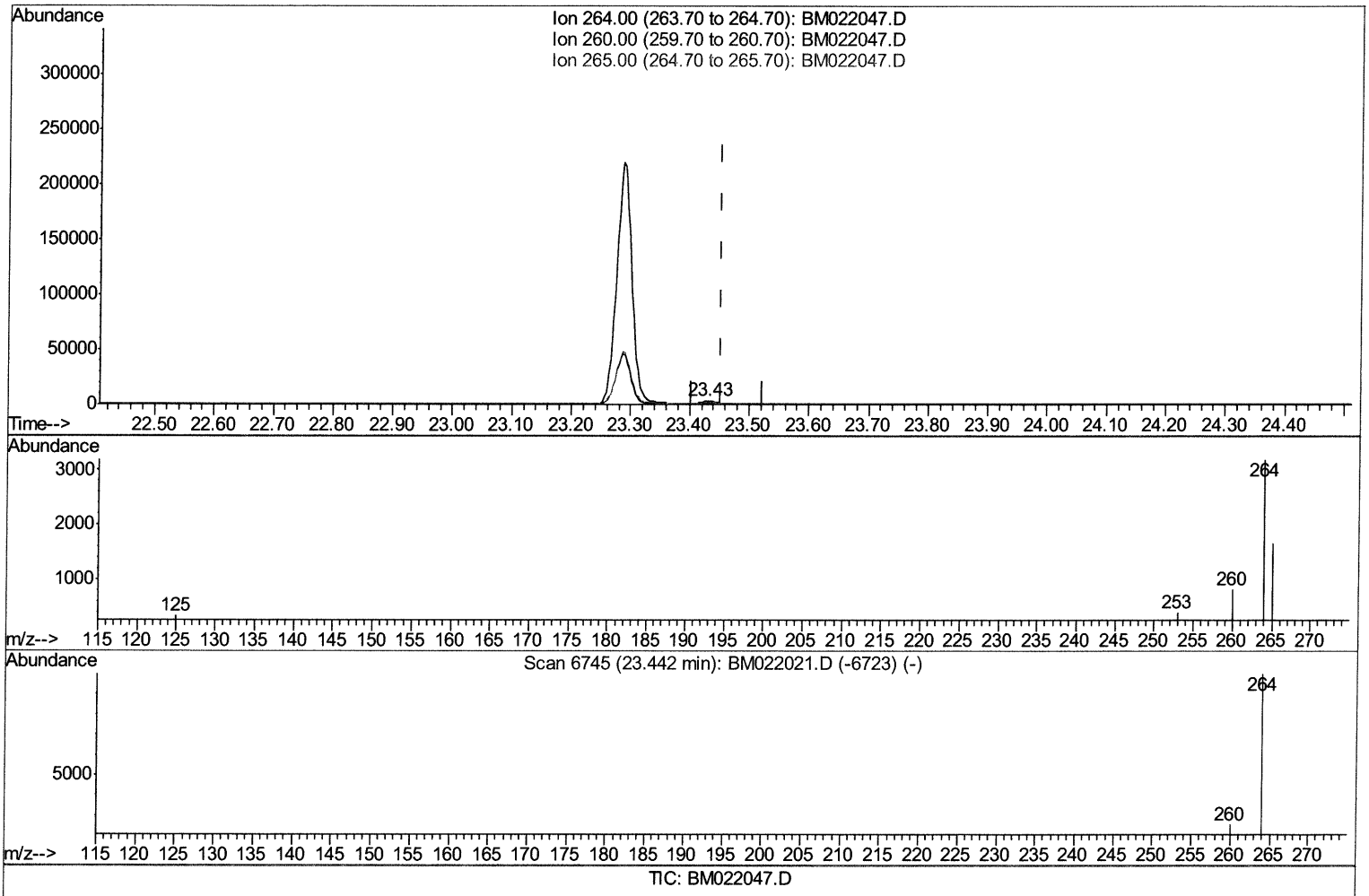
8/14/2019 2:48:07 AM



TIC: BM022047.D

(20) Perylene-d12 (I)

23.430min (-0.024) 0.40ng/ul

response 5526

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	25.45
265.00	117.00	51.81#
0.00	0.00	0.00

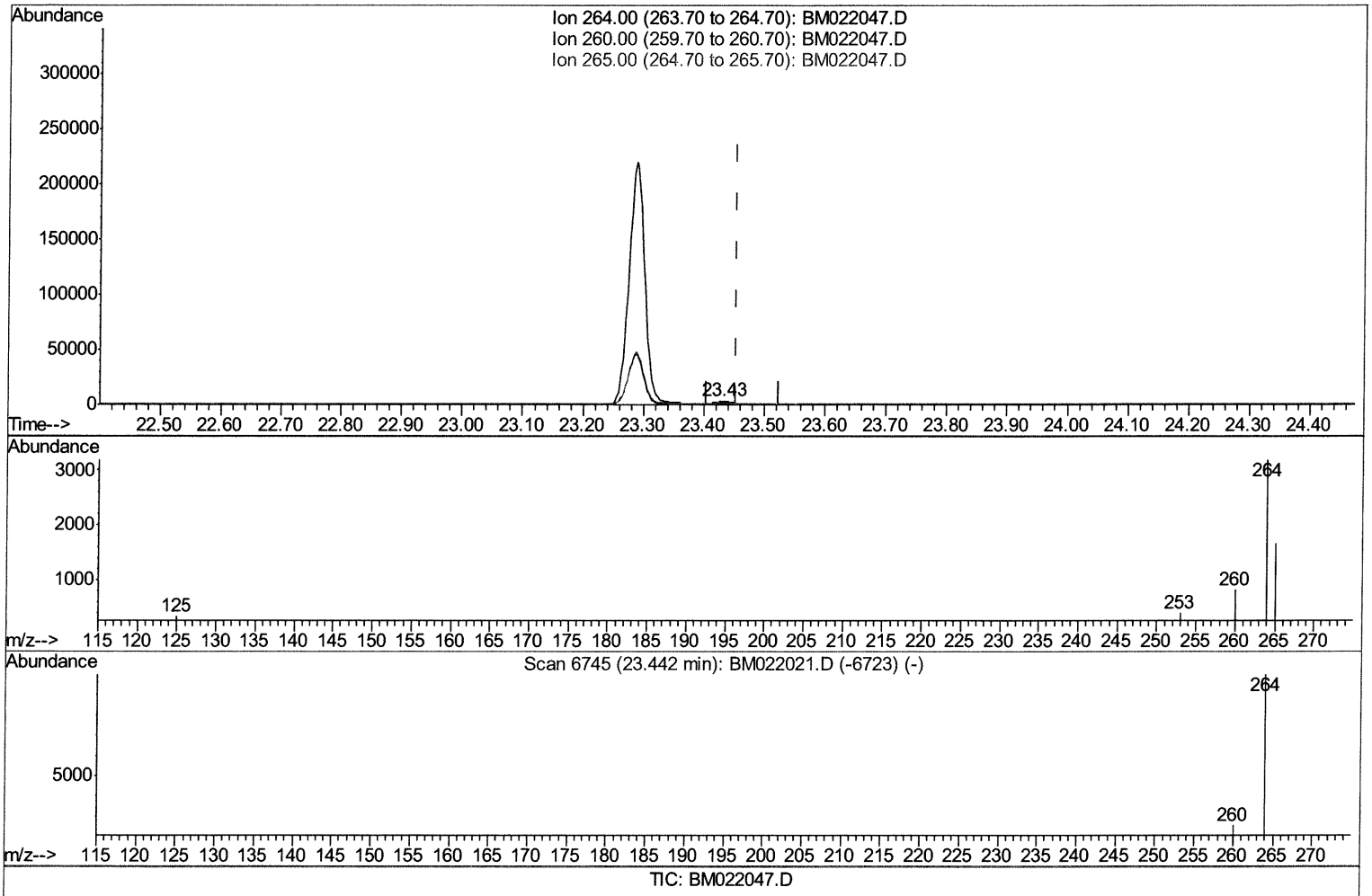
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:22:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM



TIC: BM022047.D

(20) Perylene-d12 (I)

23.430min (-0.024) 0.40ng/ul m JU 08/20/19

response 4396

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	25.45
265.00	117.00	51.81#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022047.D
Acq On : 13 Aug 2019 00:27
Operator : HP/JU
Sample : K4184-09
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 13 08:24:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 05:22:05 2019
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : C0AA8

Manual Integrations APPROVED
mohammad
8/14/2019 2:48:07 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	904	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.39	136	3735	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1965	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.02	188	4597m →	0.40	ng/ul >	-0.03
16) Chrysene-d12	21.23	240	4341m →	0.40	ng/ul >	-0.01
20) Perylene-d12	23.43	264	4396m →	0.40	ng/ul >	-0.02

JU 08/20/19

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1657	0.27	ng/ul	-0.02
14) Fluoranthene-d10	19.05	212	4718m →	0.30	ng/ul >	-0.02

JU 08/20/19

Target Compounds	Qvalue

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