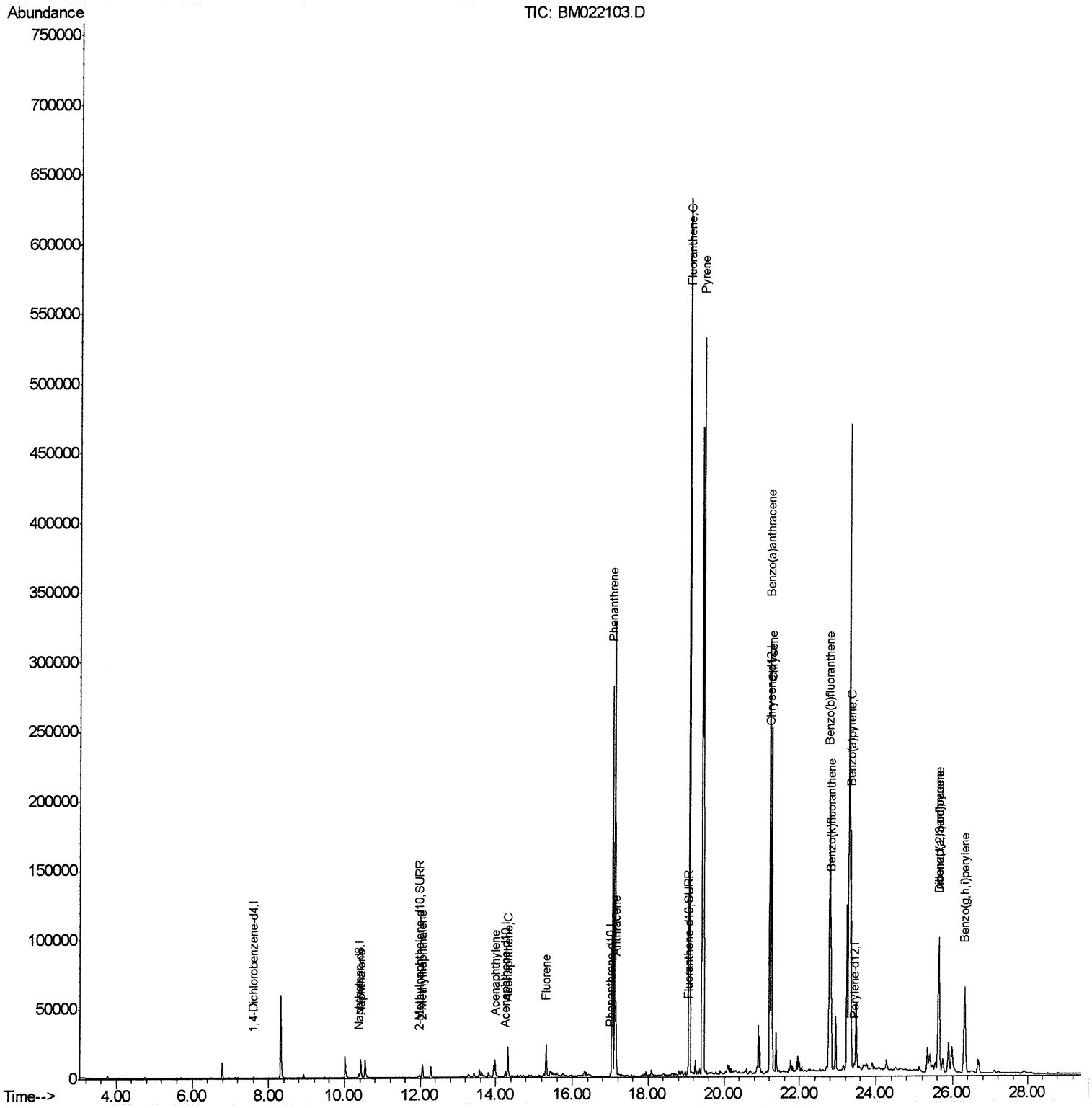
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 15:03:02 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



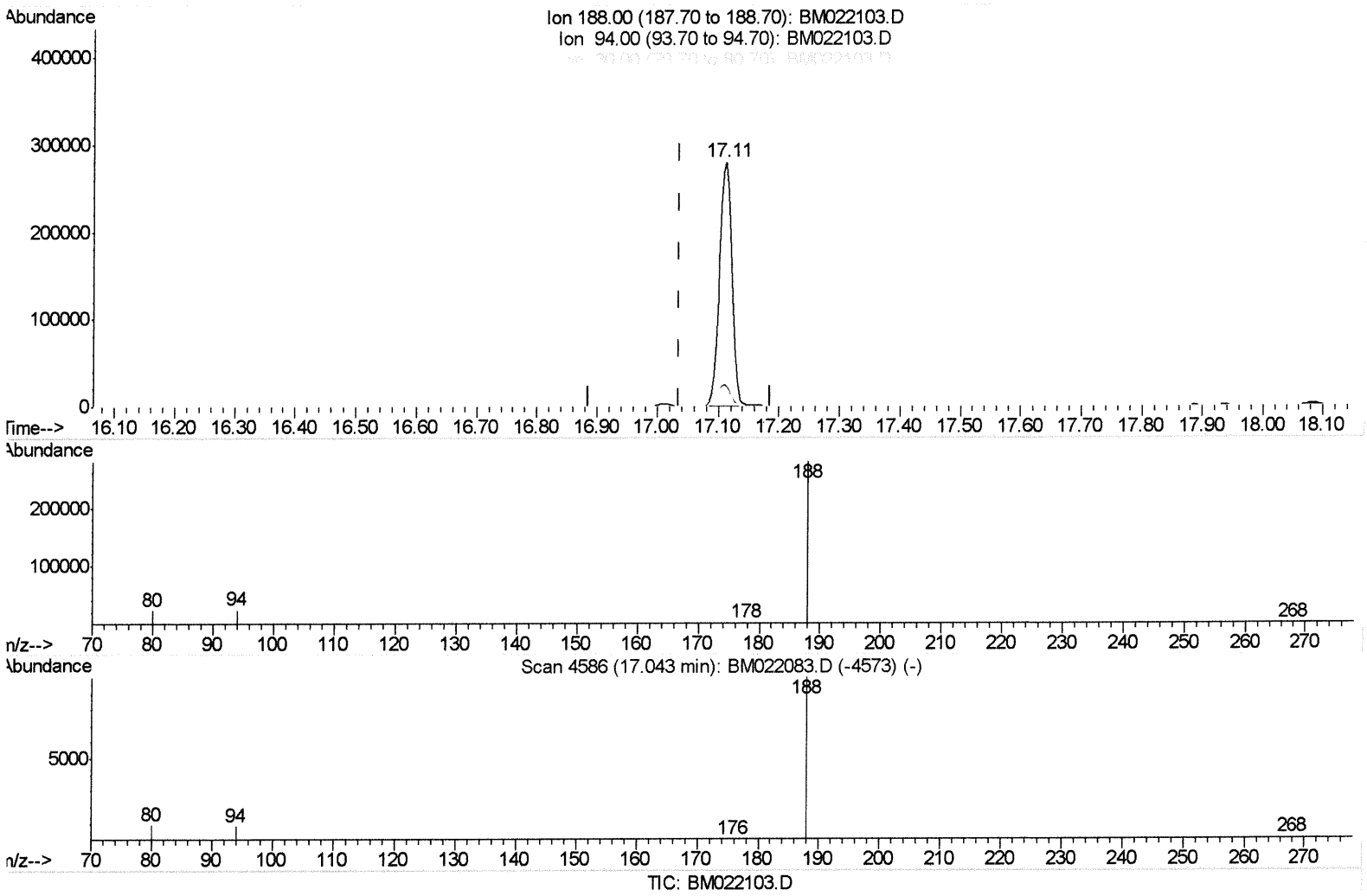
Quantitation Report (QuanT)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:51:43 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(10) Phenanthrene-d10 (I)

17.112min (+0.076) 0.40ng/ul

response 392040

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.54
80.00	11.40	8.14#
0.00	0.00	0.00

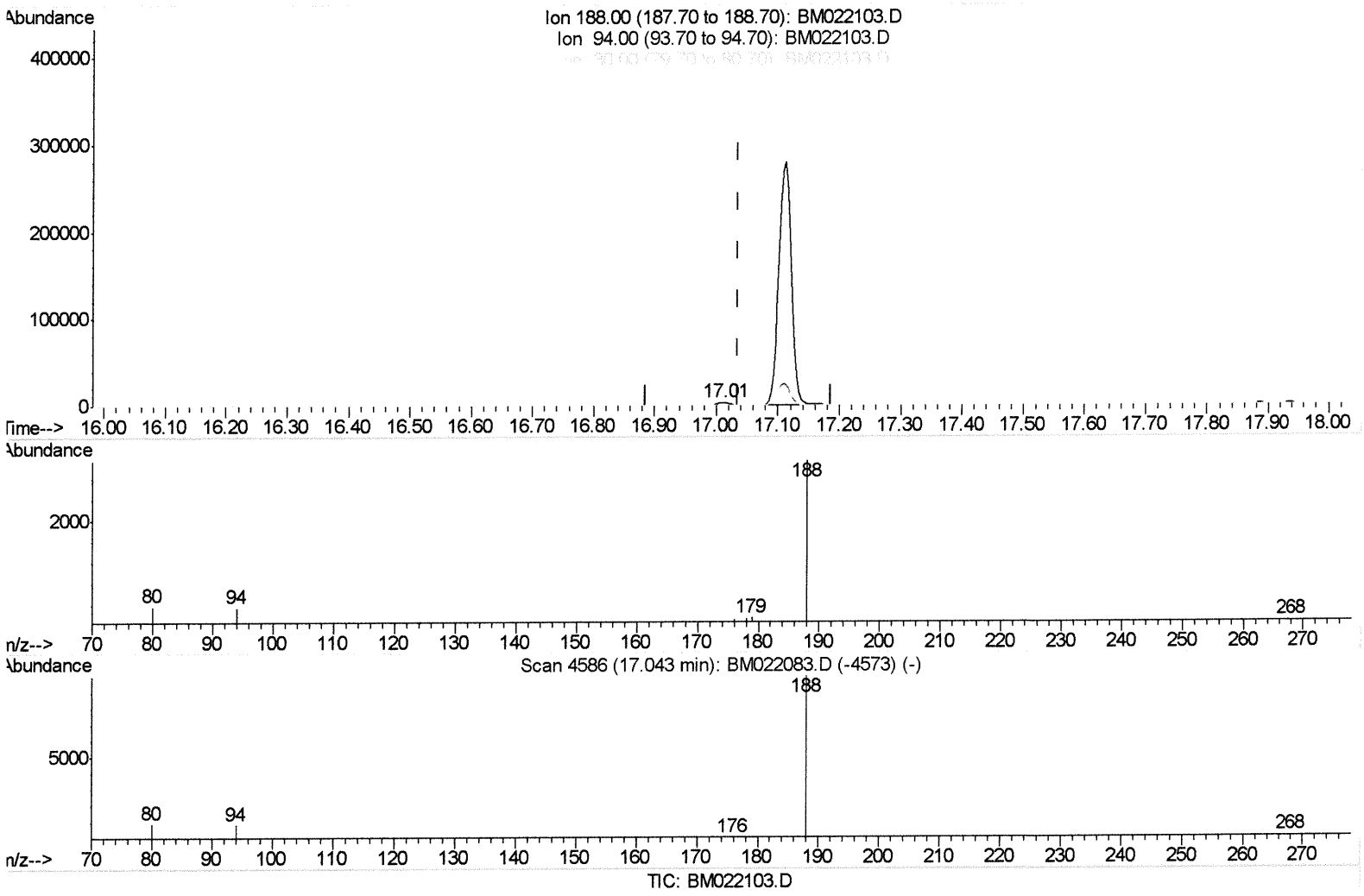
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:51:43 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



(10) Phenanthrene-d10 (I)

17.011min (-0.024) 0.40ng/ul m JU 08/15/19

response 4349

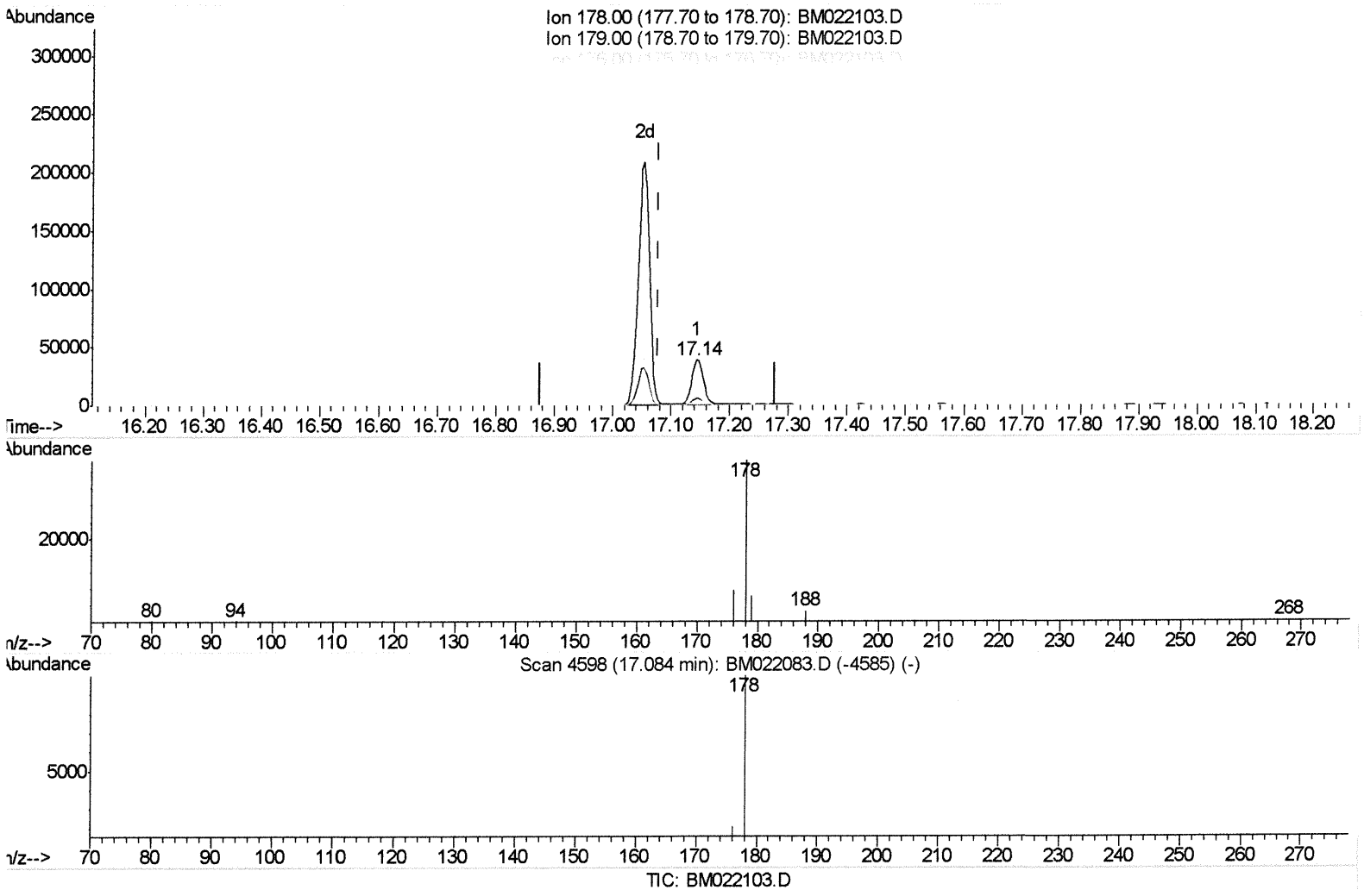
Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.77
80.00	11.40	11.15
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(12) Phenanthrene

17.143min (+0.066) 4.32ng/ul

response 54692

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.69
176.00	21.00	19.16
0.00	0.00	0.00

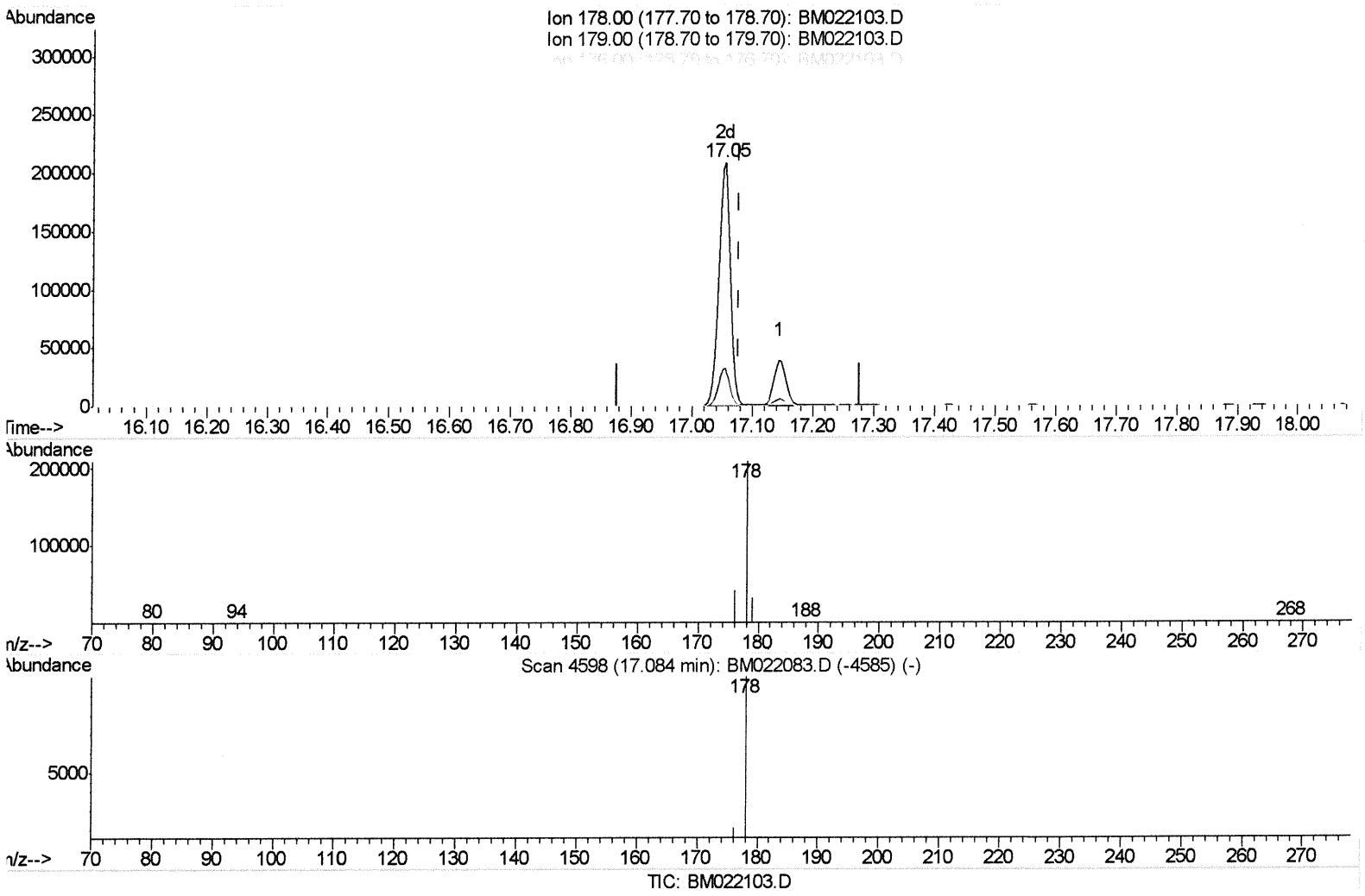
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(12) Phenanthrene

17.053min (-0.024) 22.53ng/ul m JU 08/15/19

response 285112

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.37
176.00	21.00	19.64
0.00	0.00	0.00

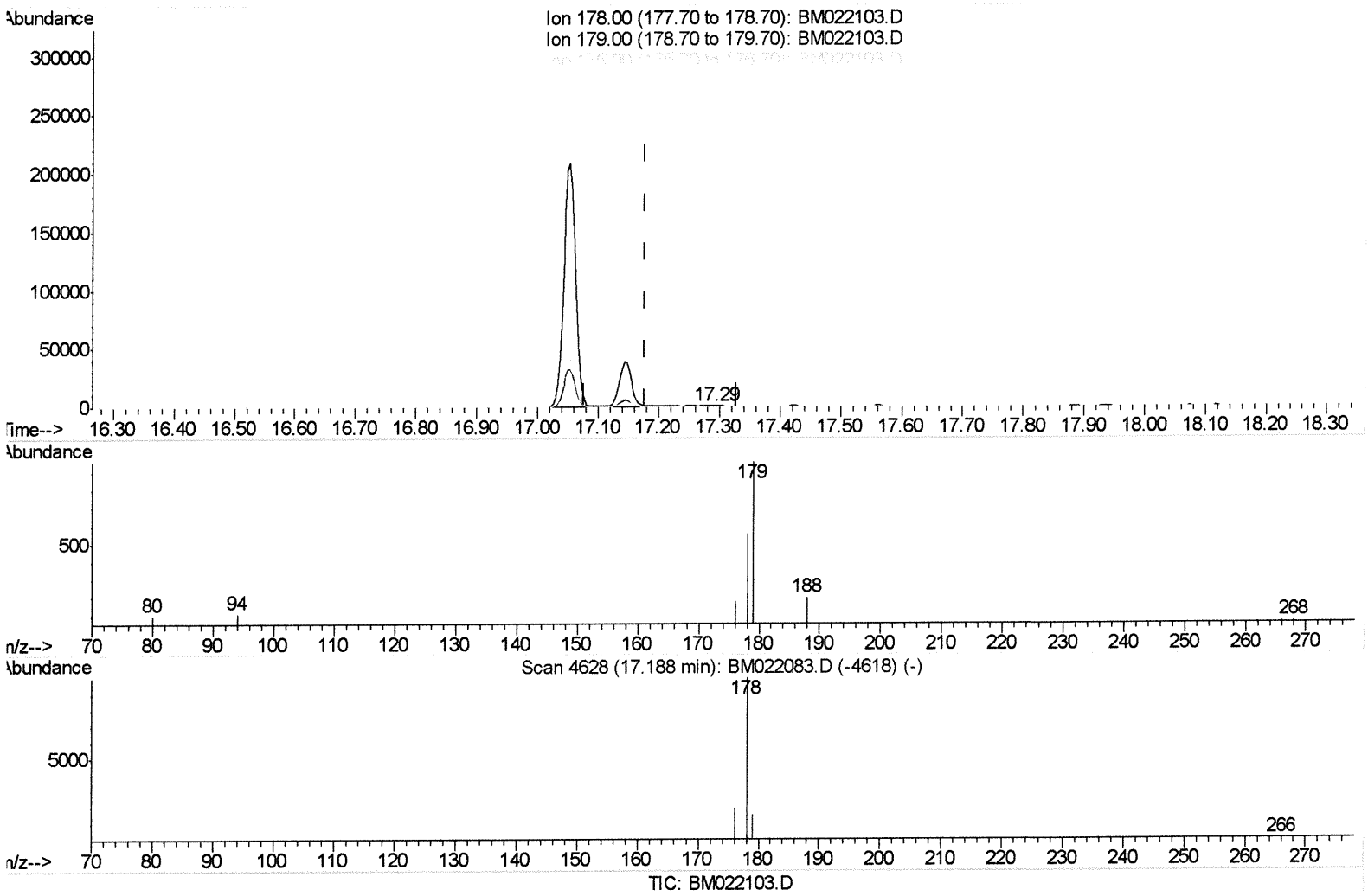
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(13) Anthracene

17.293min (+0.115) 0.07ng/ul

response 766

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	172.25#
176.00	20.80	32.07#
0.00	0.00	0.00

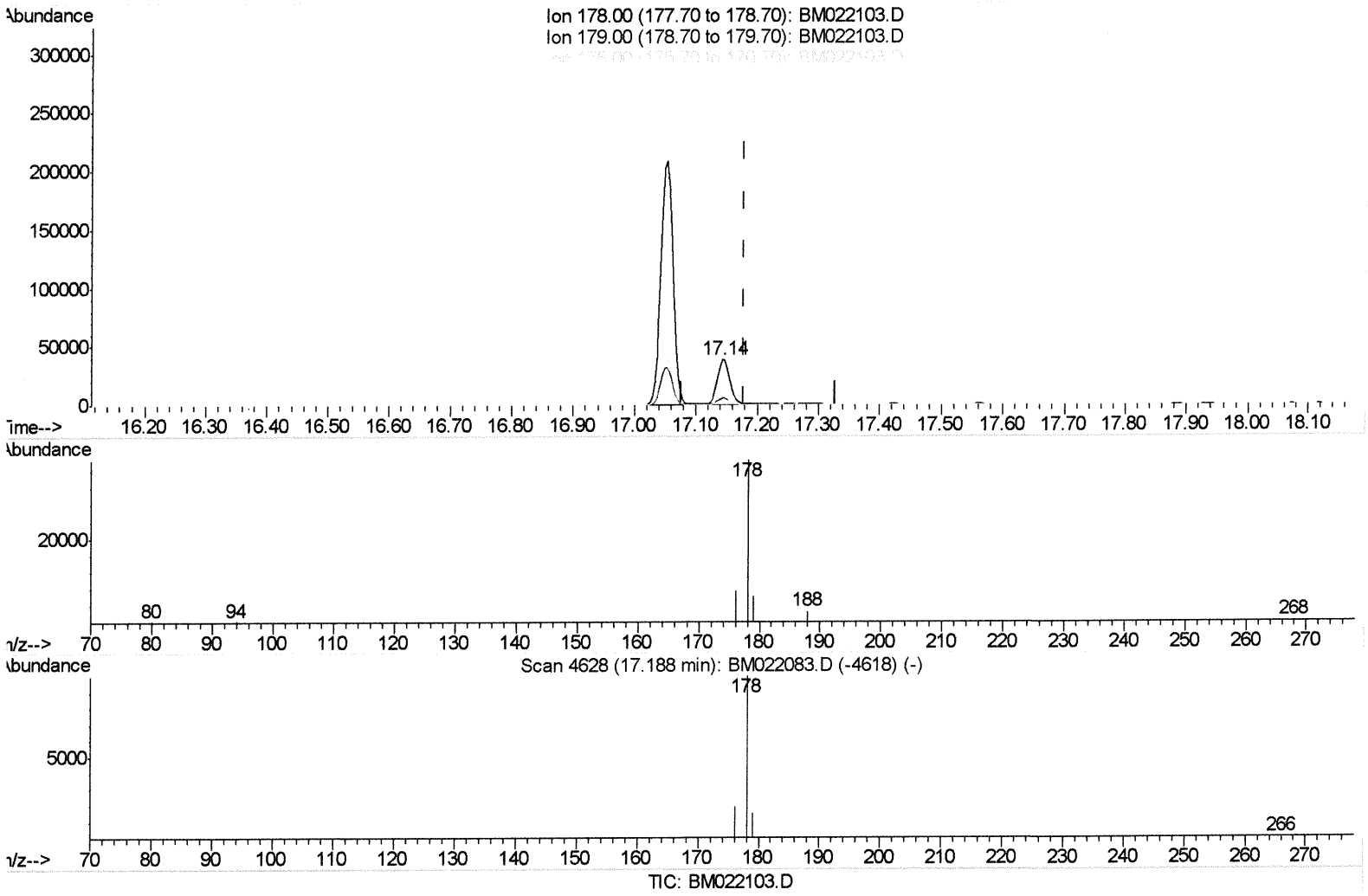
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(13) Anthracene

17.143min (-0.035) 5.01ng/ul m JU 08/15/19

response 54050

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	15.69
176.00	20.80	19.16
0.00	0.00	0.00

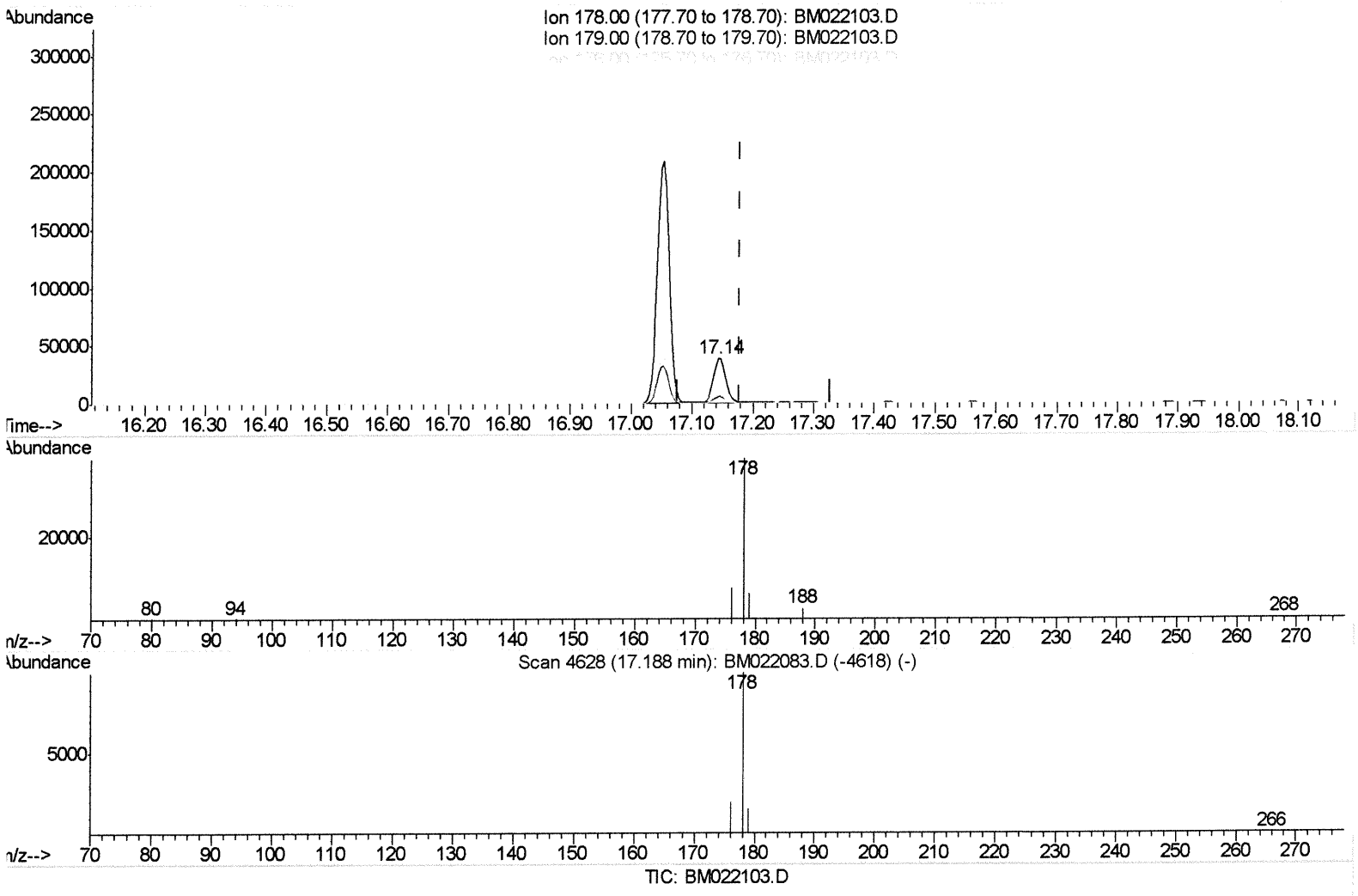
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



(13) Anthracene

17.143min (-0.035) 5.01ng/ul m JU 08/15/19

response 54050

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	15.69
176.00	20.80	19.16
0.00	0.00	0.00

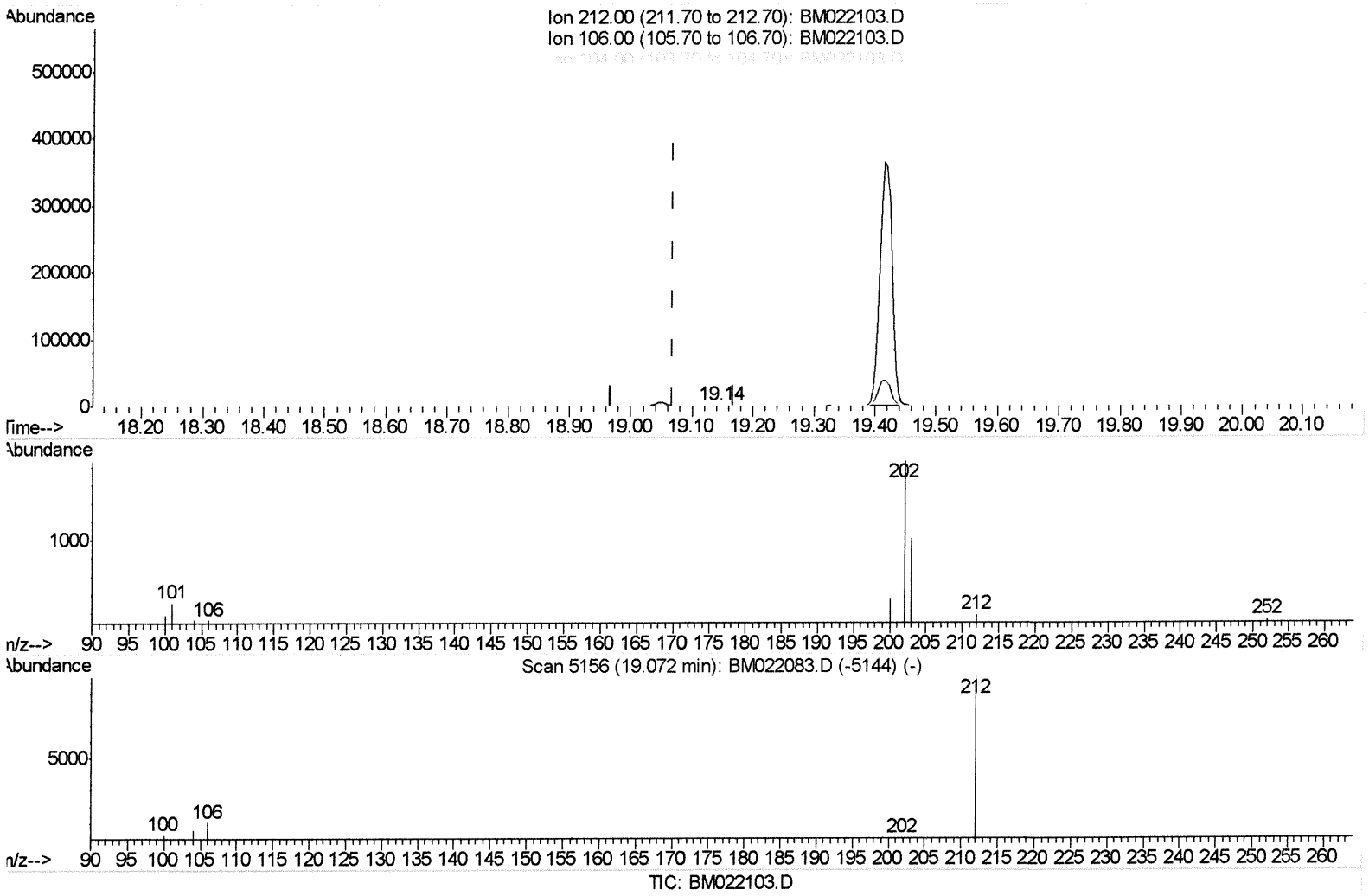
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(14) Fluoranthene-d10 (SURR)

19.144min (+0.076) 0.01ng/ul

response 129

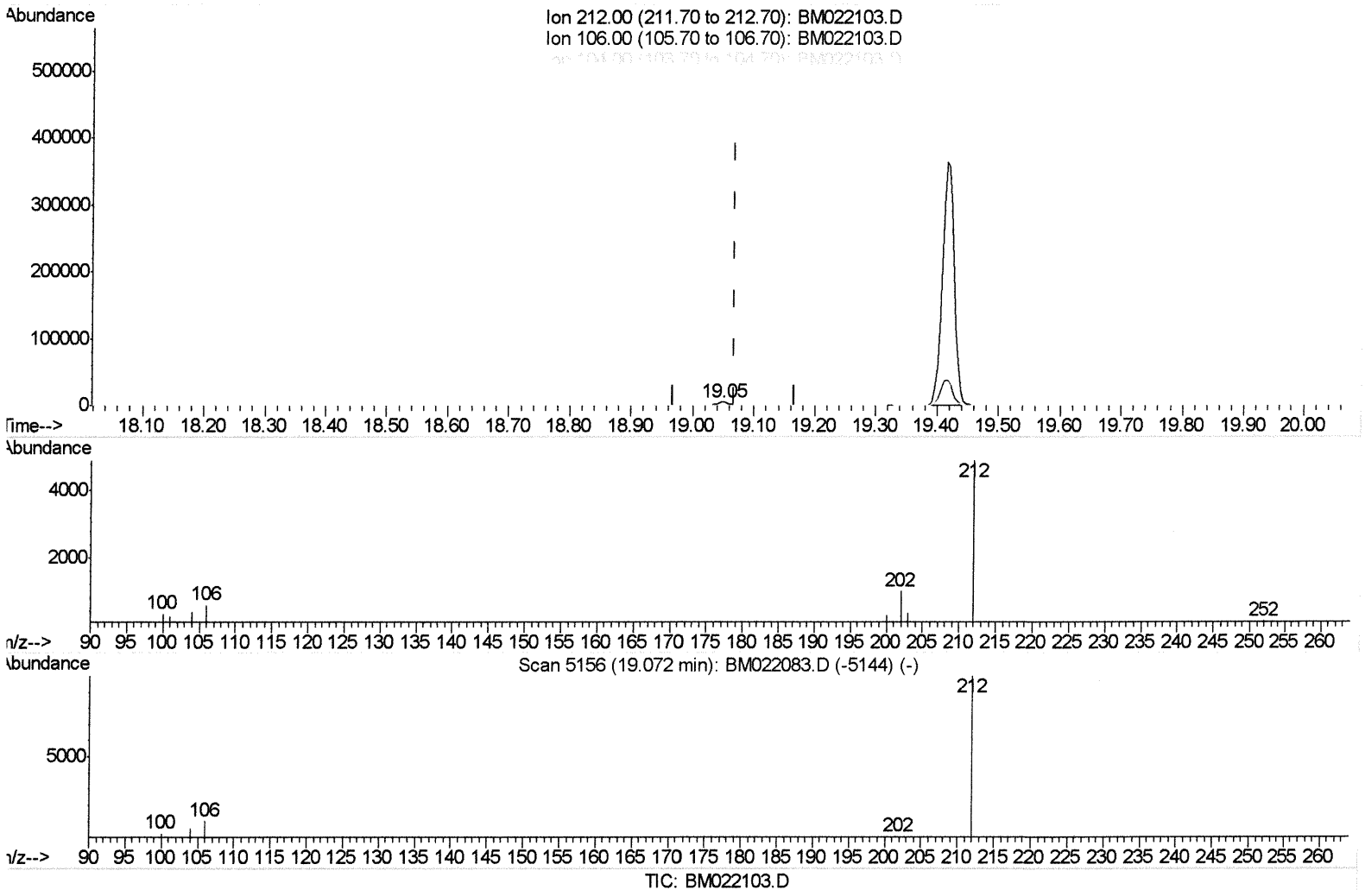
Ion	Exp%	Act%
212.00	100	100
106.00	9.90	20.16#
104.00	6.00	30.23#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(14) Fluoranthene-d10 (SURR)

19.049min (-0.019) 0.47ng/ul m JU 08/15/19

response 6863

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.38#
104.00	6.00	0.57#
0.00	0.00	0.00

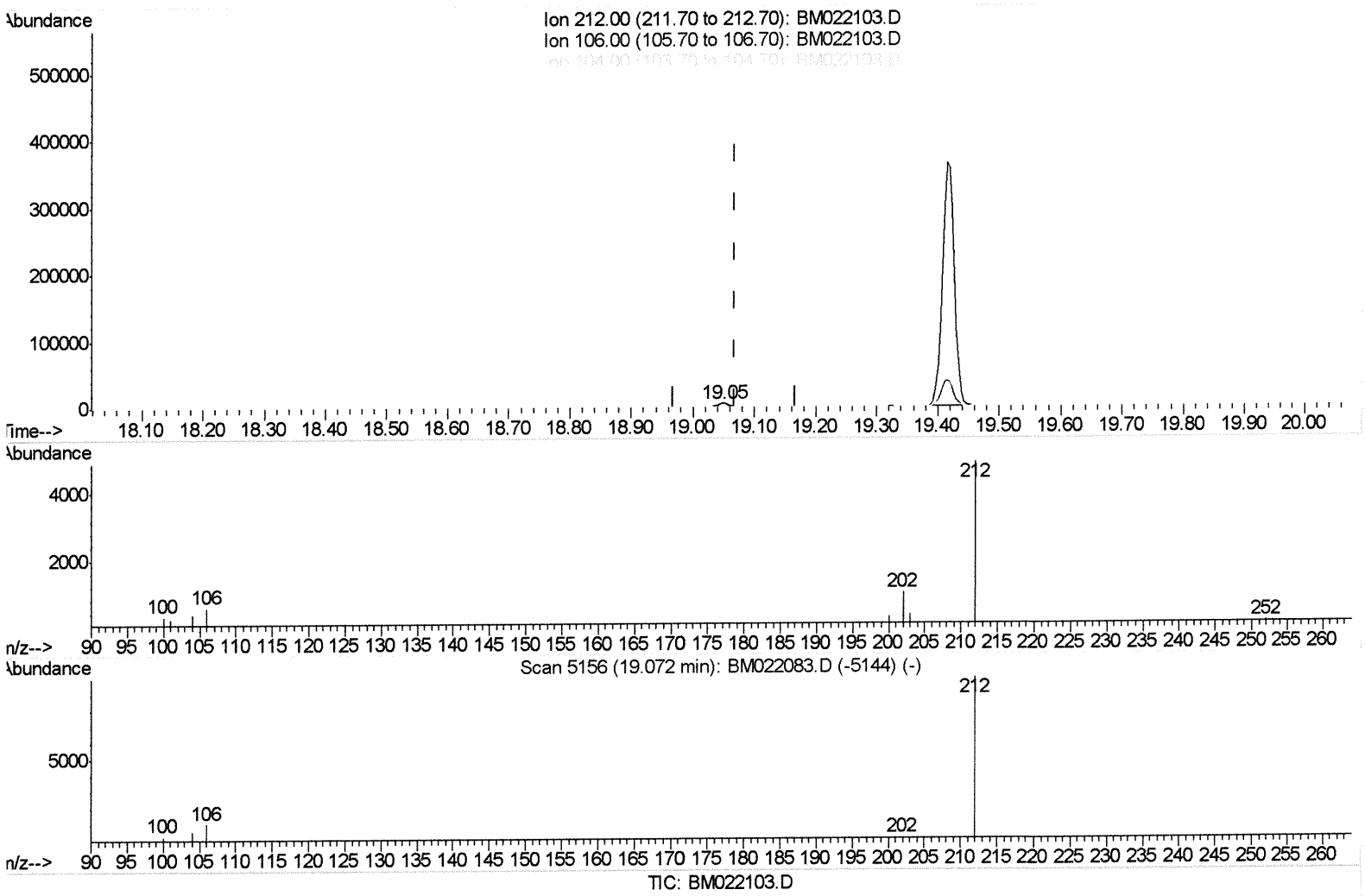
Quantitation Report (Qual)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(14) Fluoranthene-d10 (SURR)

19.049min (-0.019) 0.47ng/ul m JU 08/15/19

response 6863

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.38#
104.00	6.00	0.57#
0.00	0.00	0.00

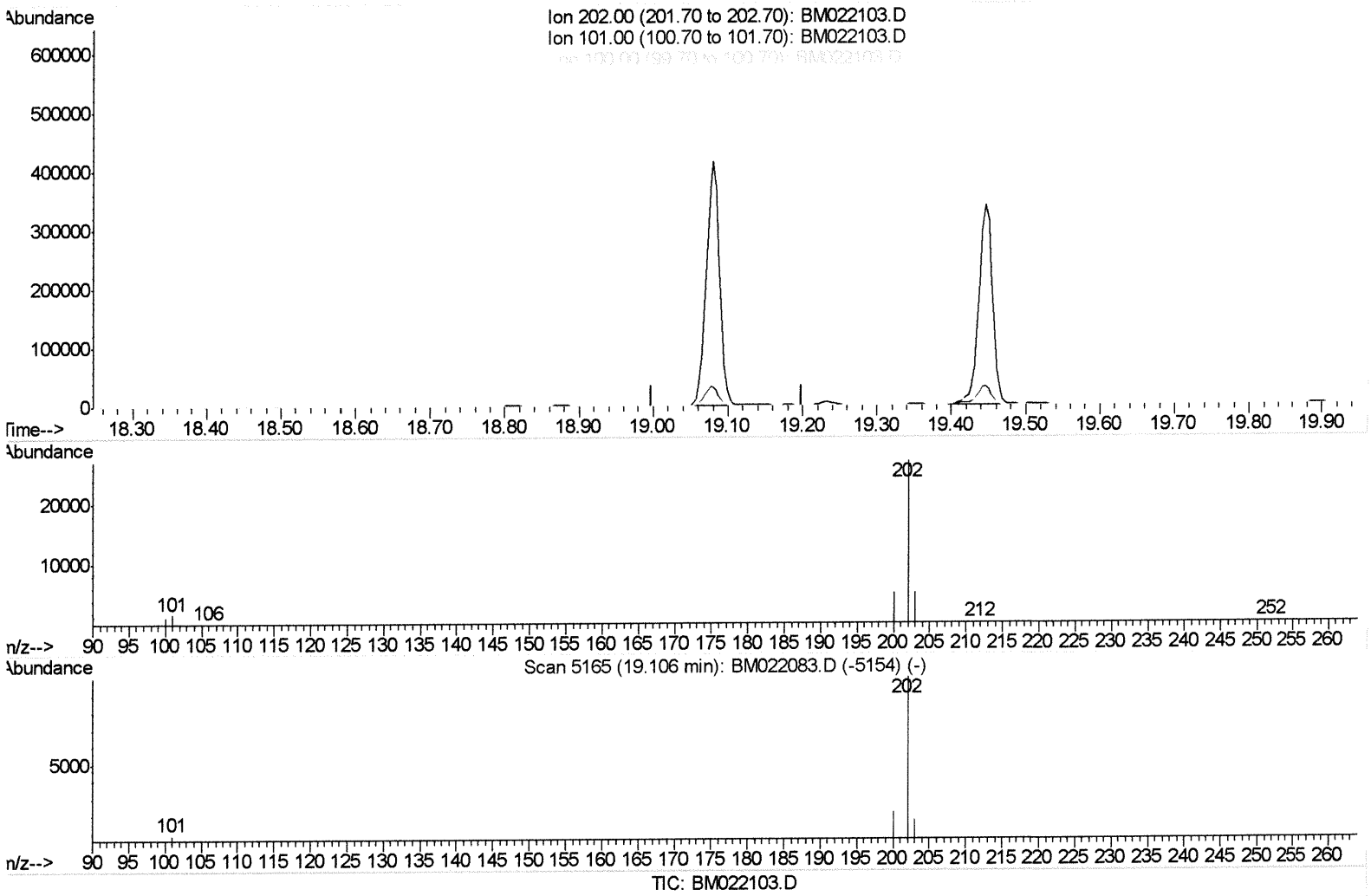
Quantitation Report (Quant)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(15) Fluoranthene (C)

19.098min (-19.098) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	10.20	0.00
100.00	8.10	0.00
0.00	0.00	0.00

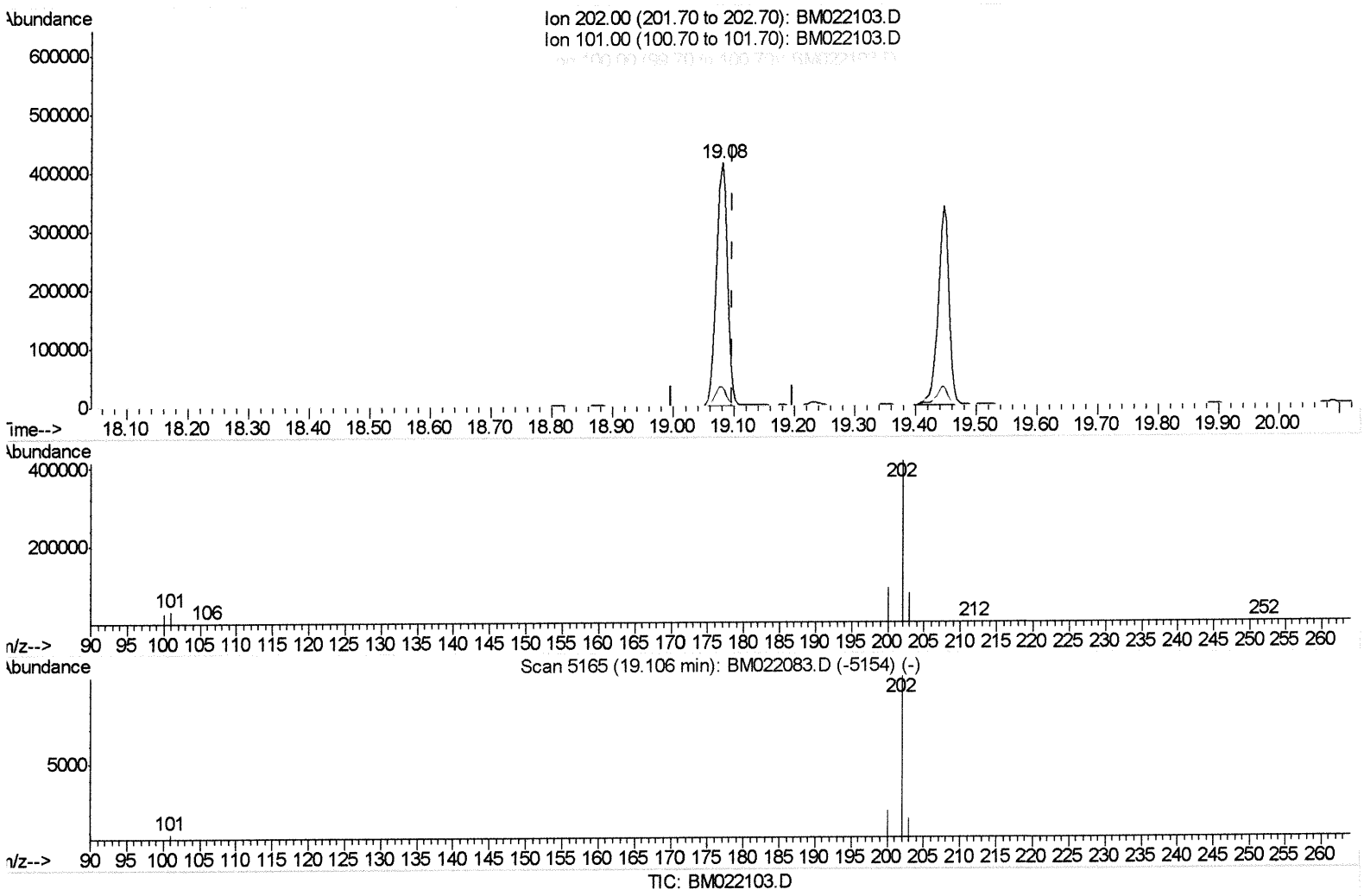
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(15) Fluoranthene (C)

19.079min (-0.019) 30.12ng/ul m JU 08/15/19

response 510490

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	7.75
100.00	8.10	6.05
0.00	0.00	0.00

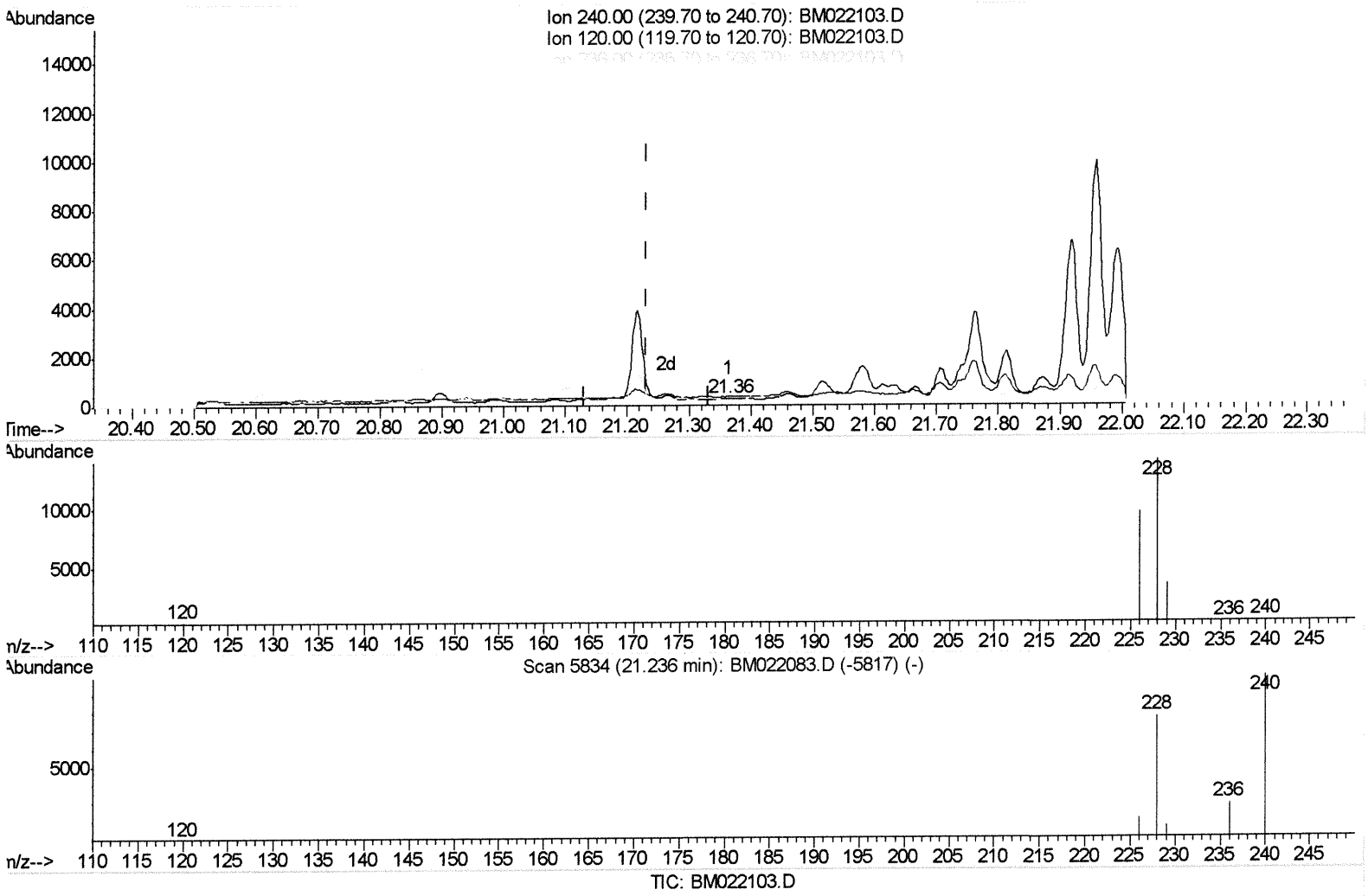
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(16) Chrysene-d12 (I)

21.364min (+0.133) 0.40ng/ul

response 98

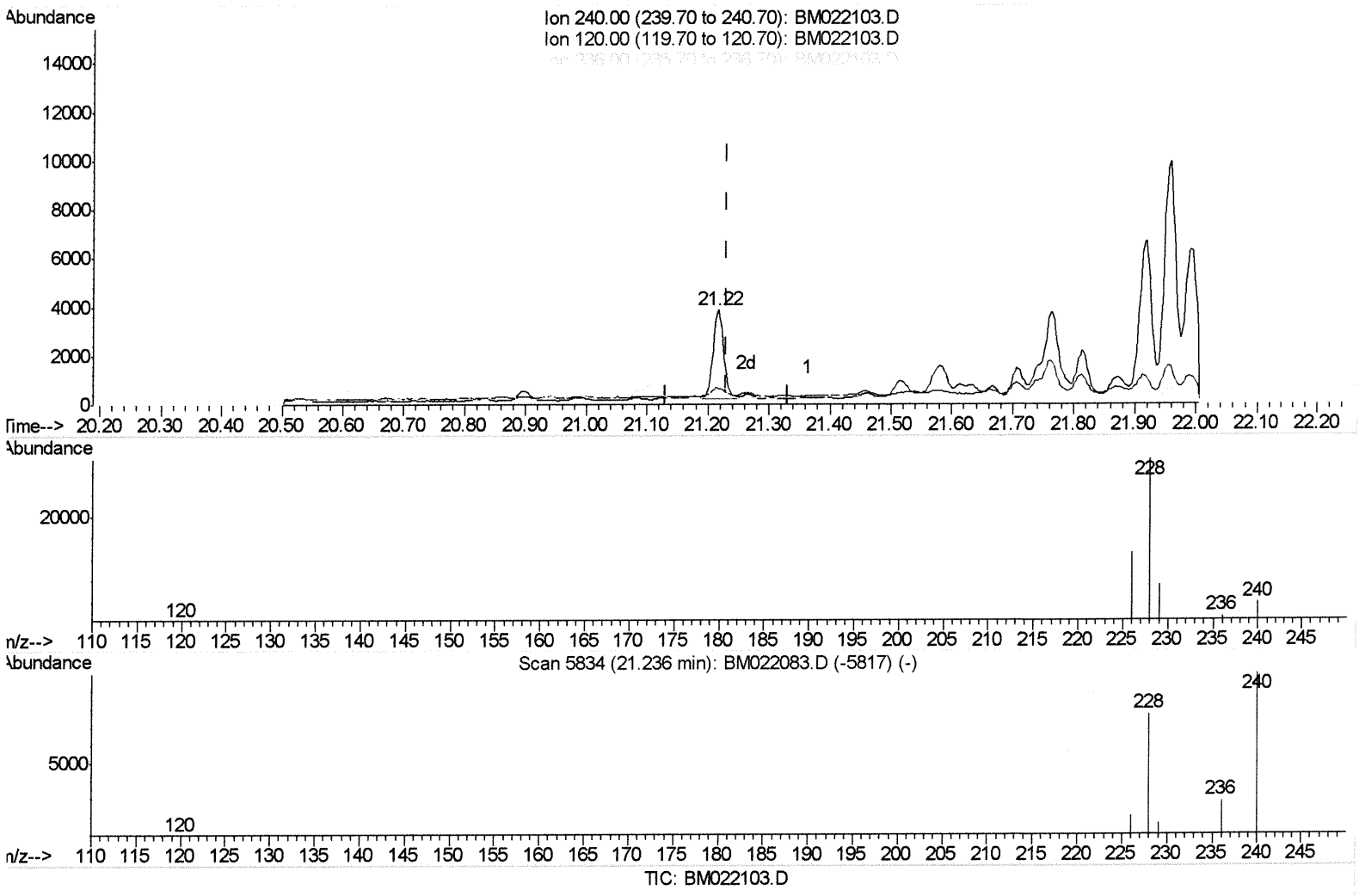
Ion	Exp%	Act%
240.00	100	100
120.00	16.20	130.04#
236.00	32.30	82.33#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:52:35 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(16) Chrysene-d12 (I)

21.217min (-0.014) 0.40ng/ul m JU 08/15/19

response 4486

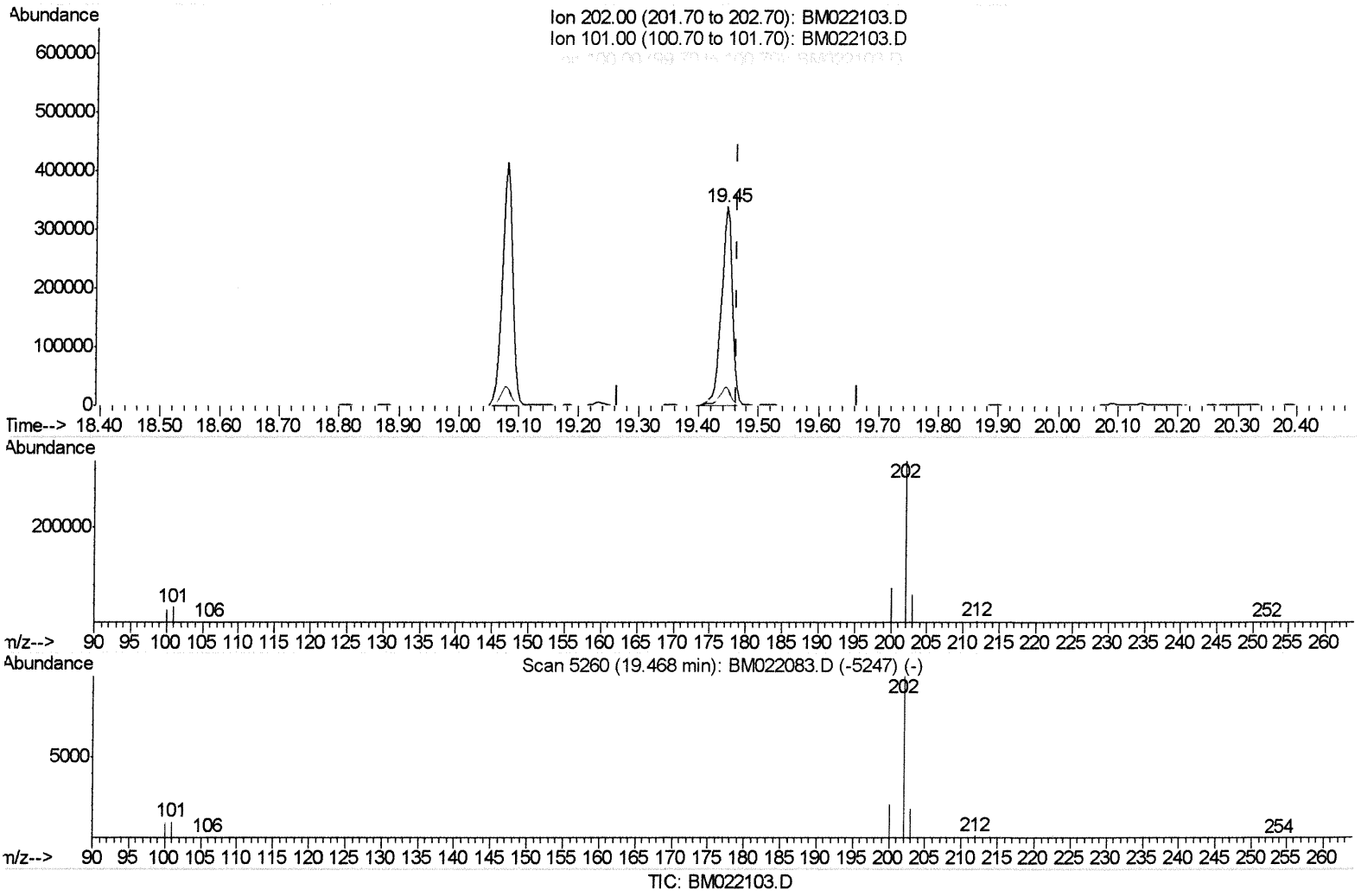
Ion	Exp%	Act%
240.00	100	100
120.00	16.20	16.80
236.00	32.30	33.08
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



(17) Pyrene

19.445min (-0.019) 23.38ng/ul

response 431017

Ion	Exp%	Act%
202.00	100	100
101.00	10.40	9.29
100.00	9.00	7.81
0.00	0.00	0.00

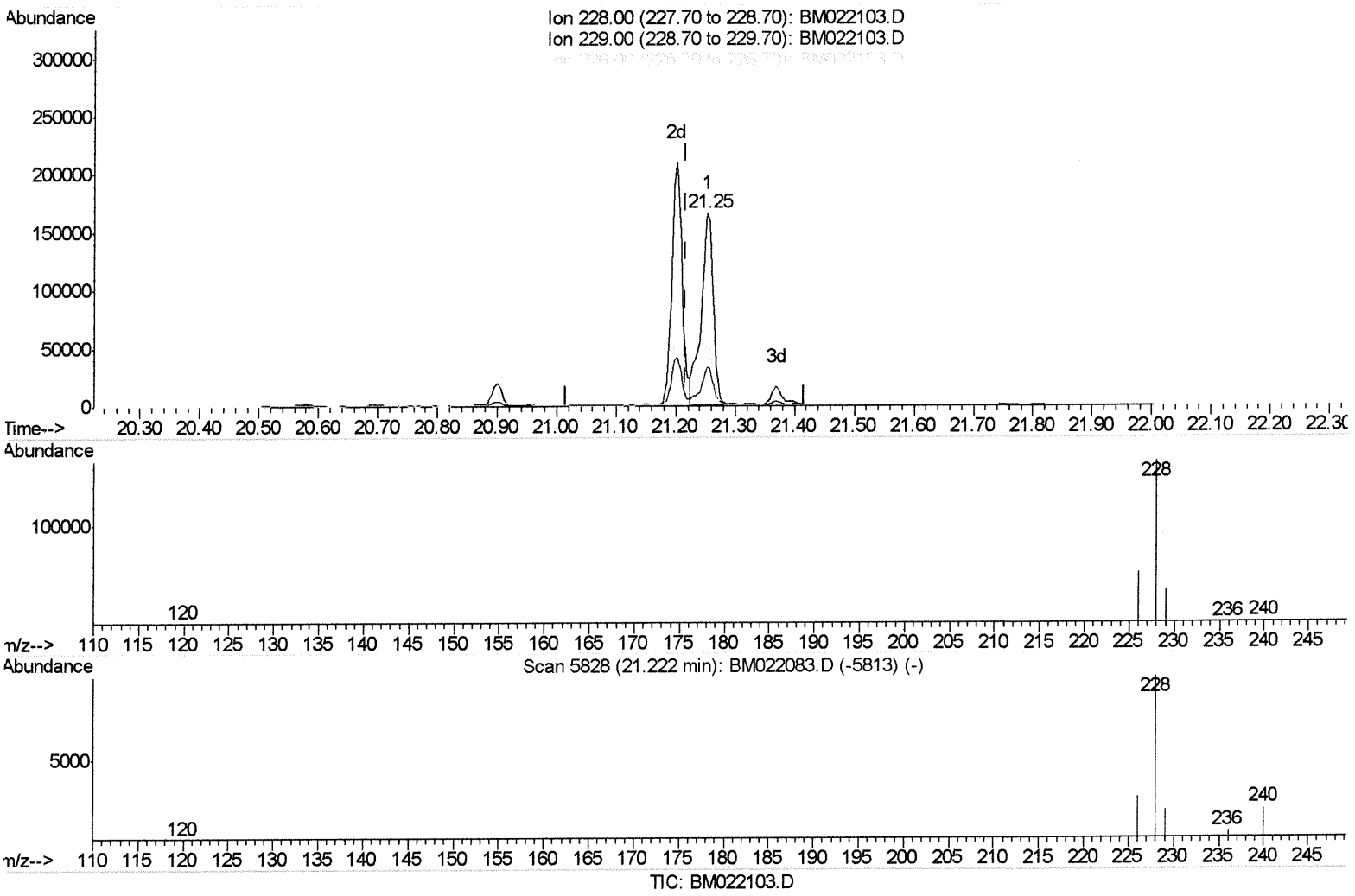
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(18) Benzo(a)anthracene

21.253min (+0.036) 15.09ng/ul

response 242128

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	20.01
226.00	28.30	31.14
0.00	0.00	0.00

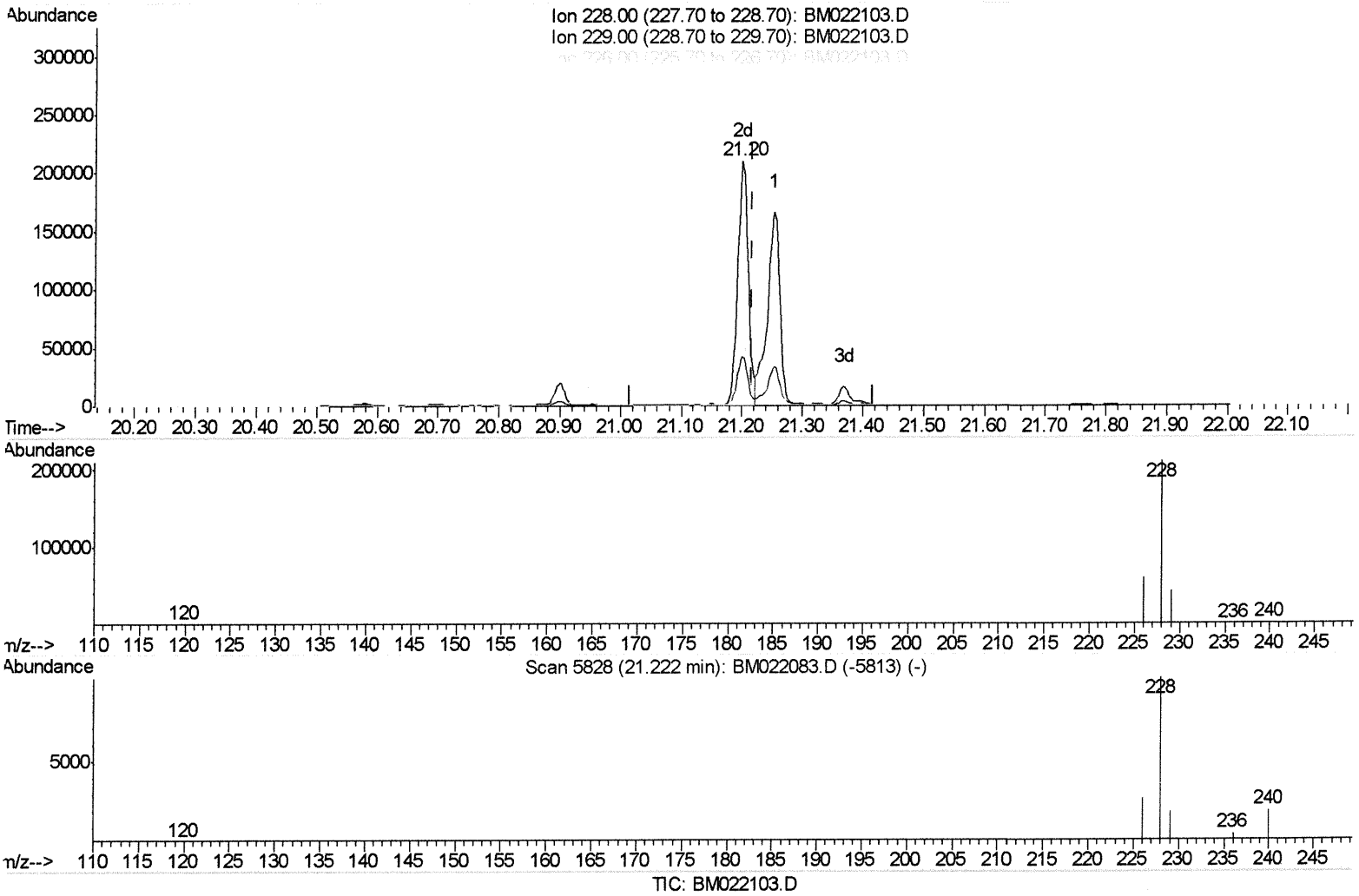
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(18) Benzo(a)anthracene

21.200min (-0.017) 15.89ng/ul m JU 08/15/19

response 254918

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	20.22
226.00	28.30	28.40
0.00	0.00	0.00

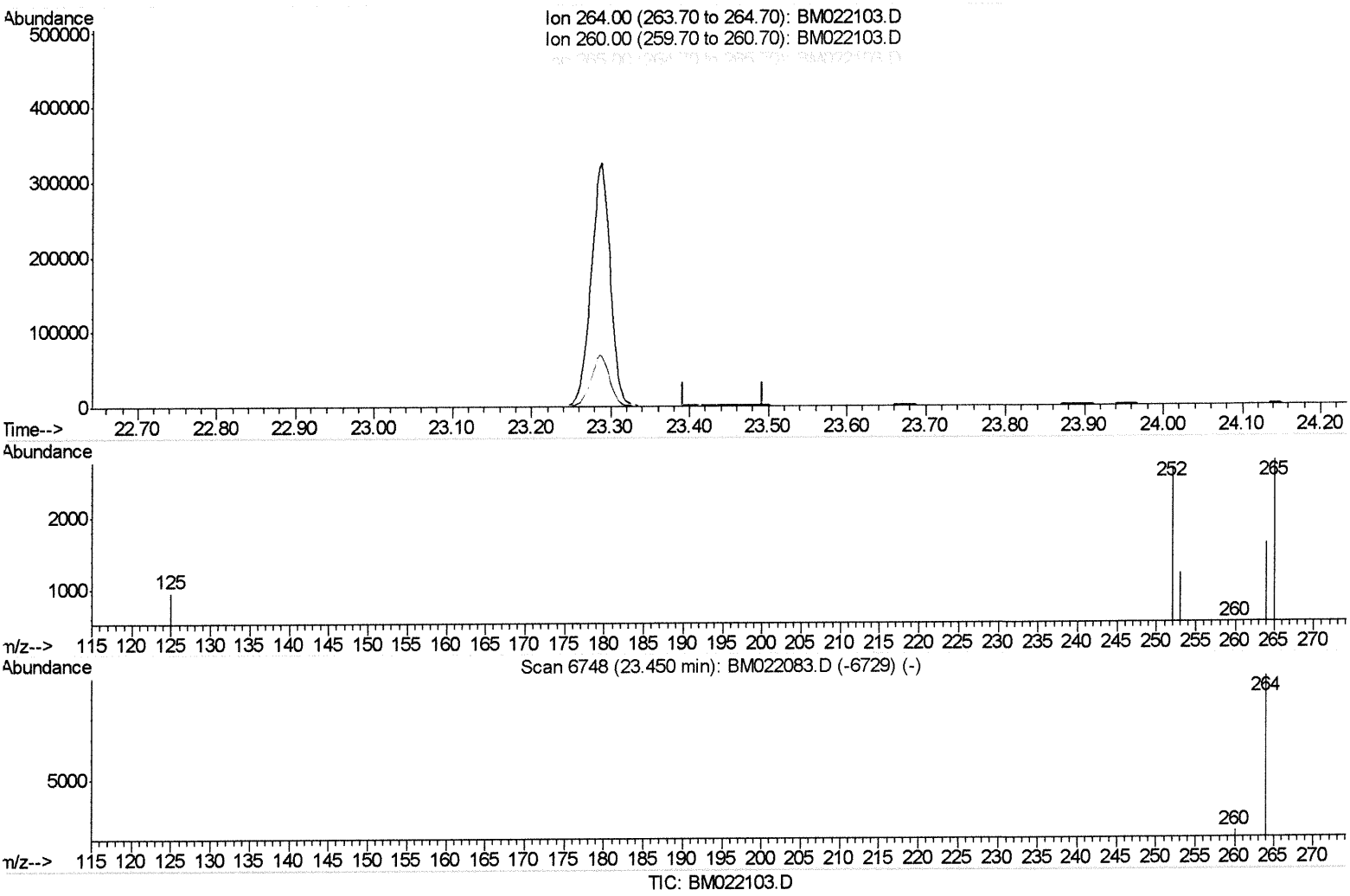
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



(20) Perylene-d12 (I)

23.442min (-23.442) 0.00ng/ul

response 0

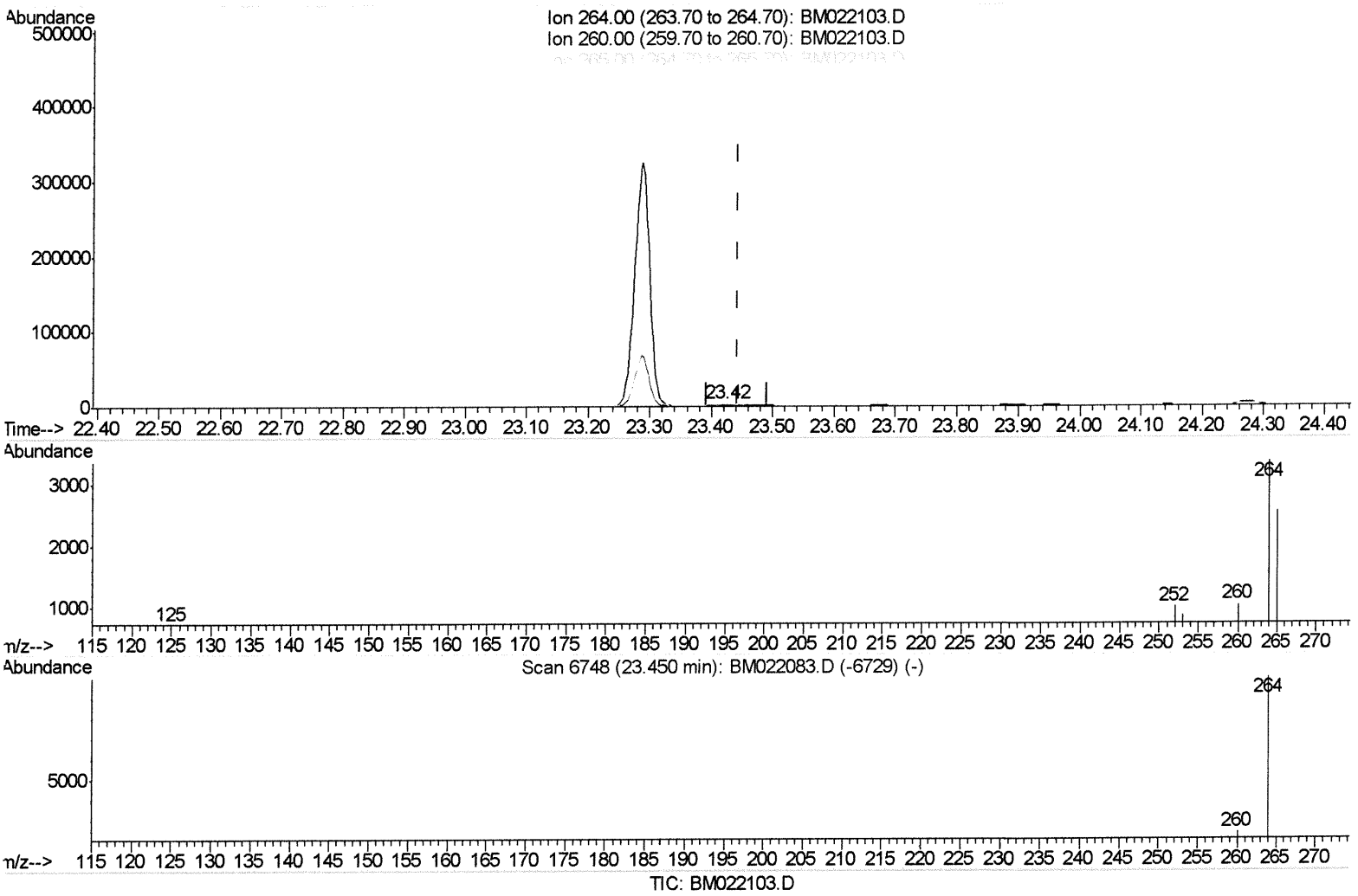
Ion	Exp%	Act%
264.00	100	0.00
260.00	27.50	0.00#
265.00	117.00	0.00#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



(20) Perylene-d12 (I)

23.423min (-0.019) 0.40ng/ul m JV 08/15/19

response 4175

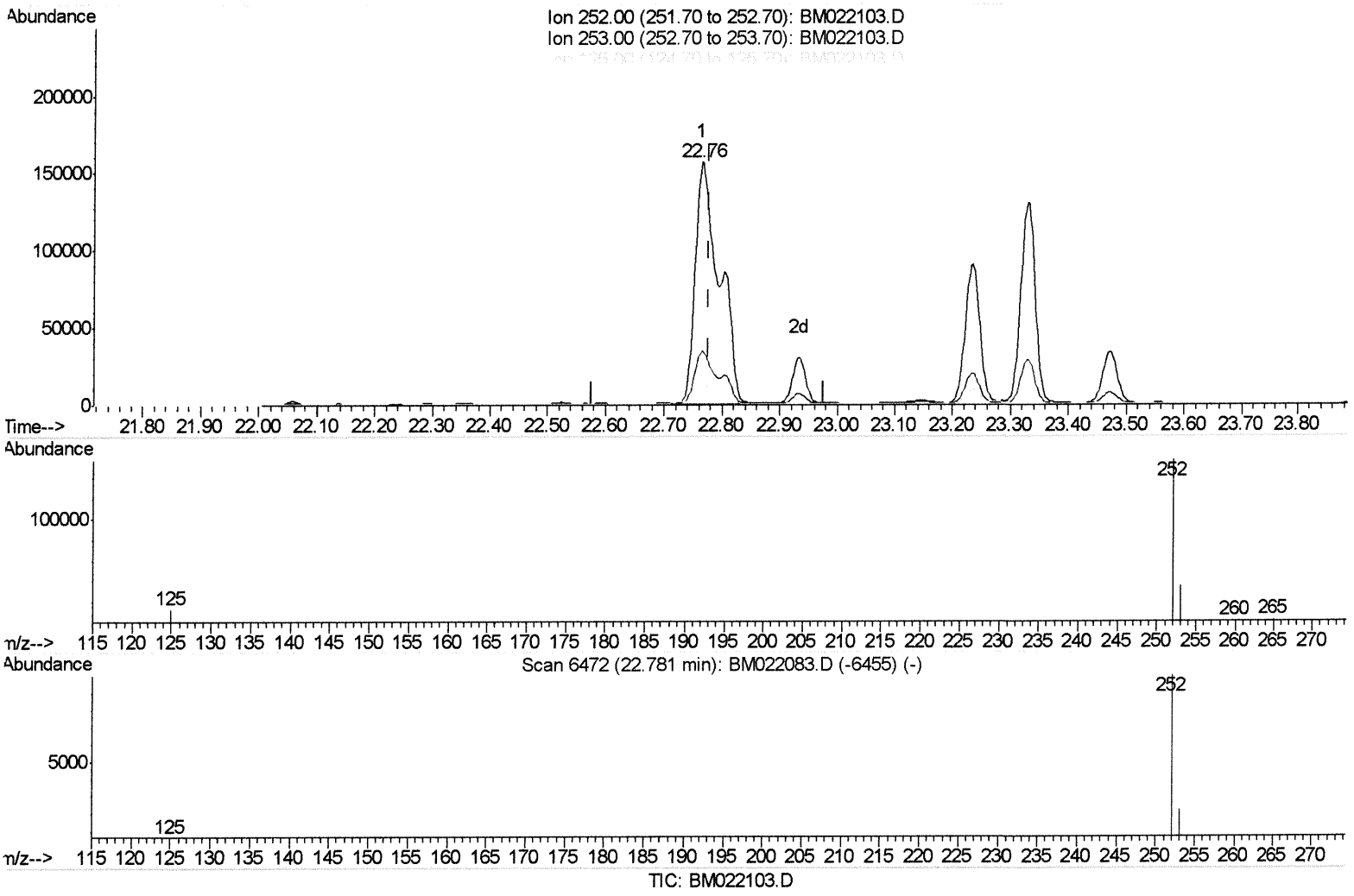
Ion	Exp%	Act%
264.00	100	100
260.00	27.50	30.62
265.00	117.00	75.90#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(21) Benzo(b)fluoranthene

22.764min (-0.012) 32.12ng/ul

response 452279

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.22
125.00	15.50	7.86
0.00	0.00	0.00

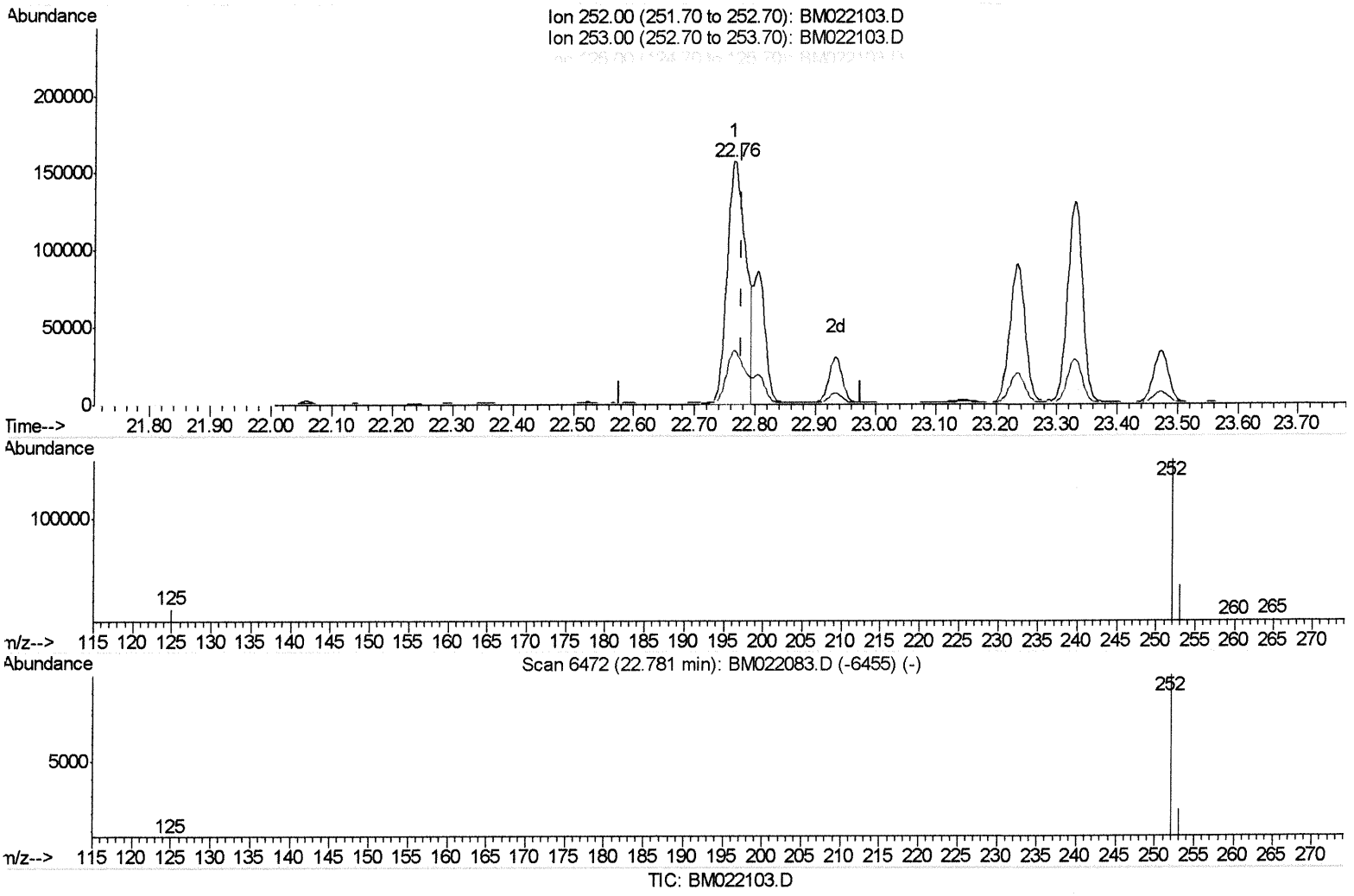
Quantitation Report (Qual)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(21) Benzo(b)fluoranthene

22.764min (-0.012) 24.05ng/ul m JU 08/15/19

response 338601

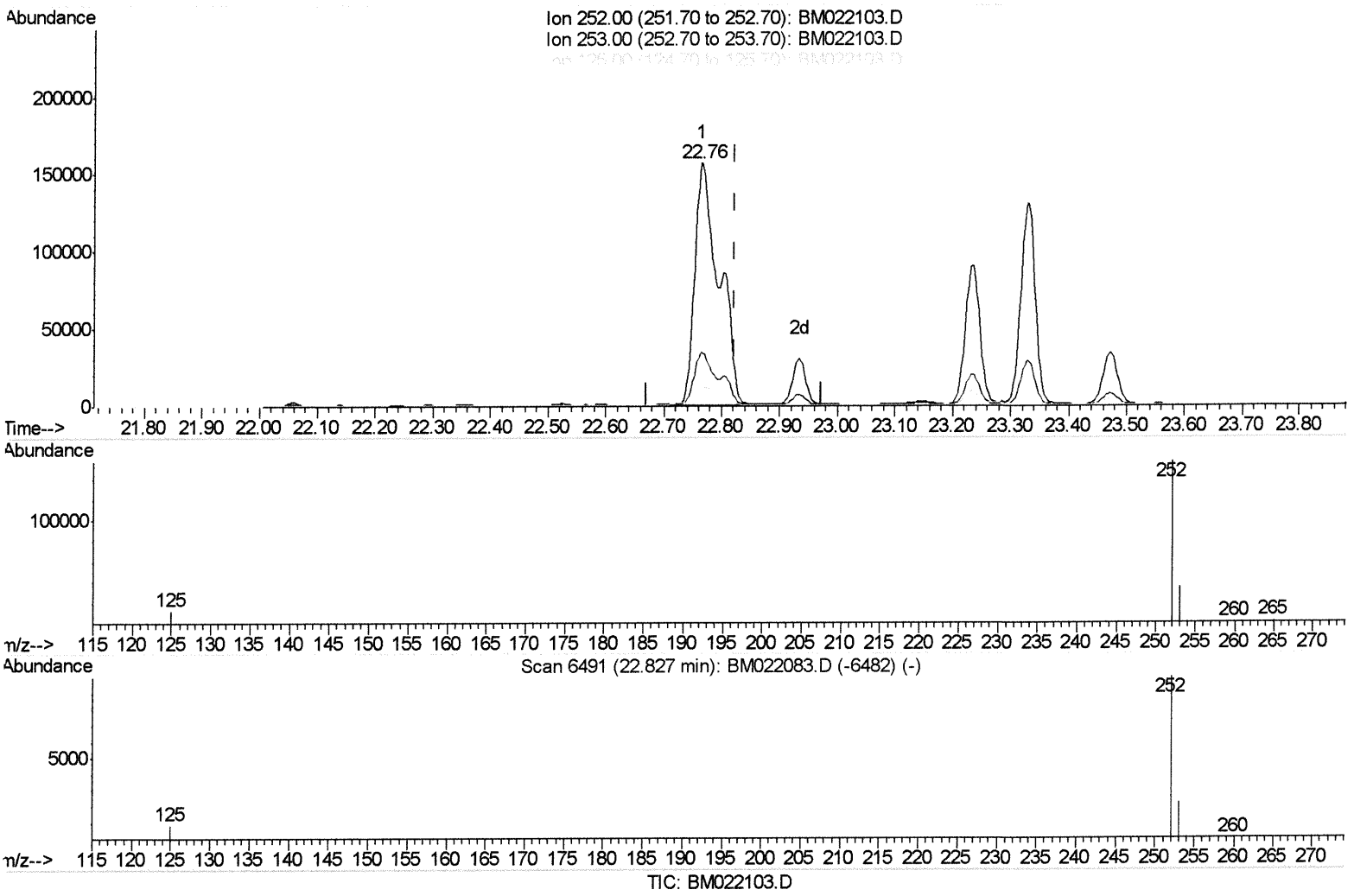
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.22
125.00	15.50	7.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(22) Benzo(k)fluoranthene

22.764min (-0.058) 28.40ng/ul

response 452476

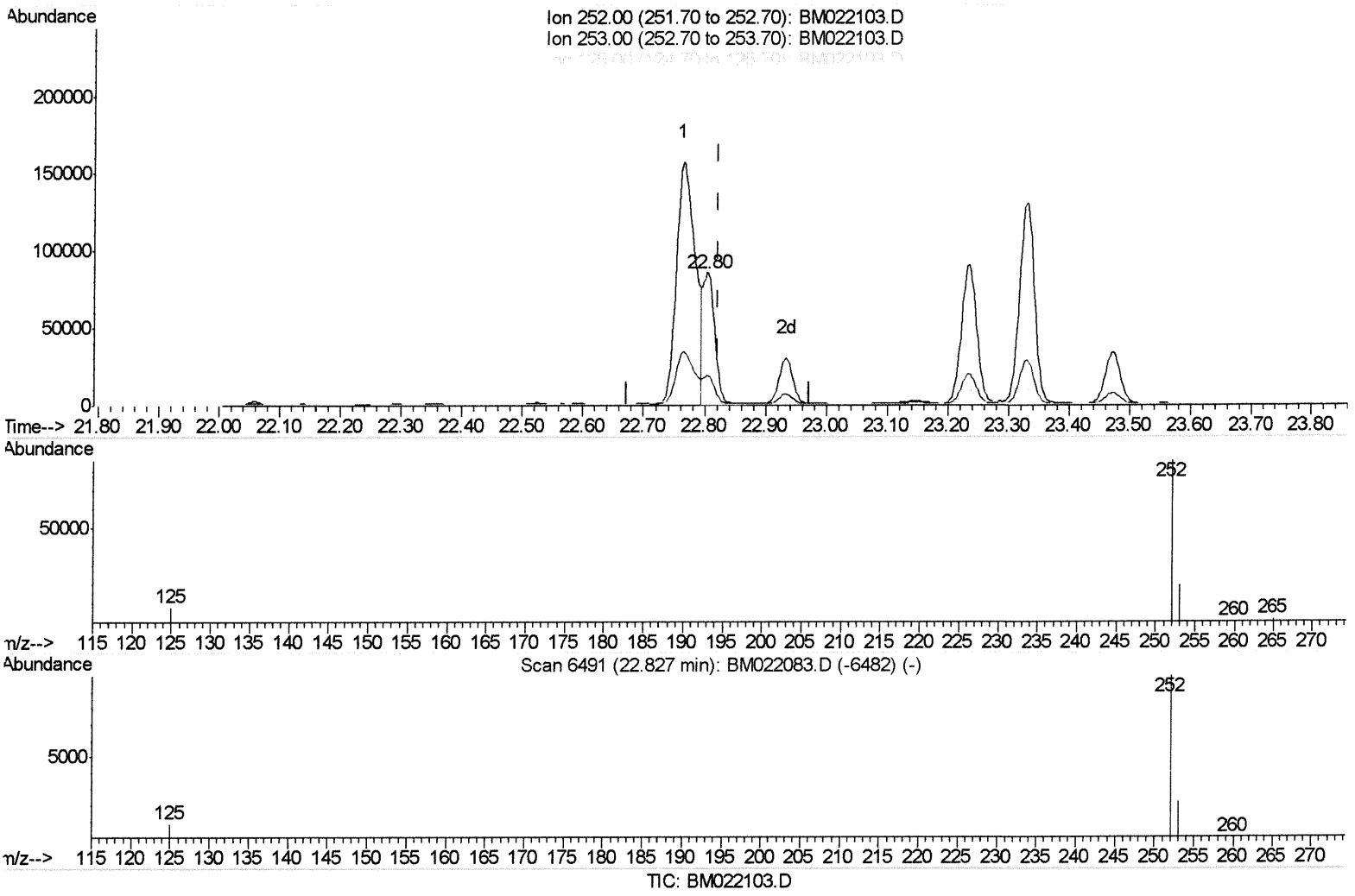
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.22#
125.00	15.20	7.86#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 14:58:23 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



(22) Benzo(k)fluoranthene

22.803min (-0.019) 7.62ng/ul m JU 08/15/19

response 121405

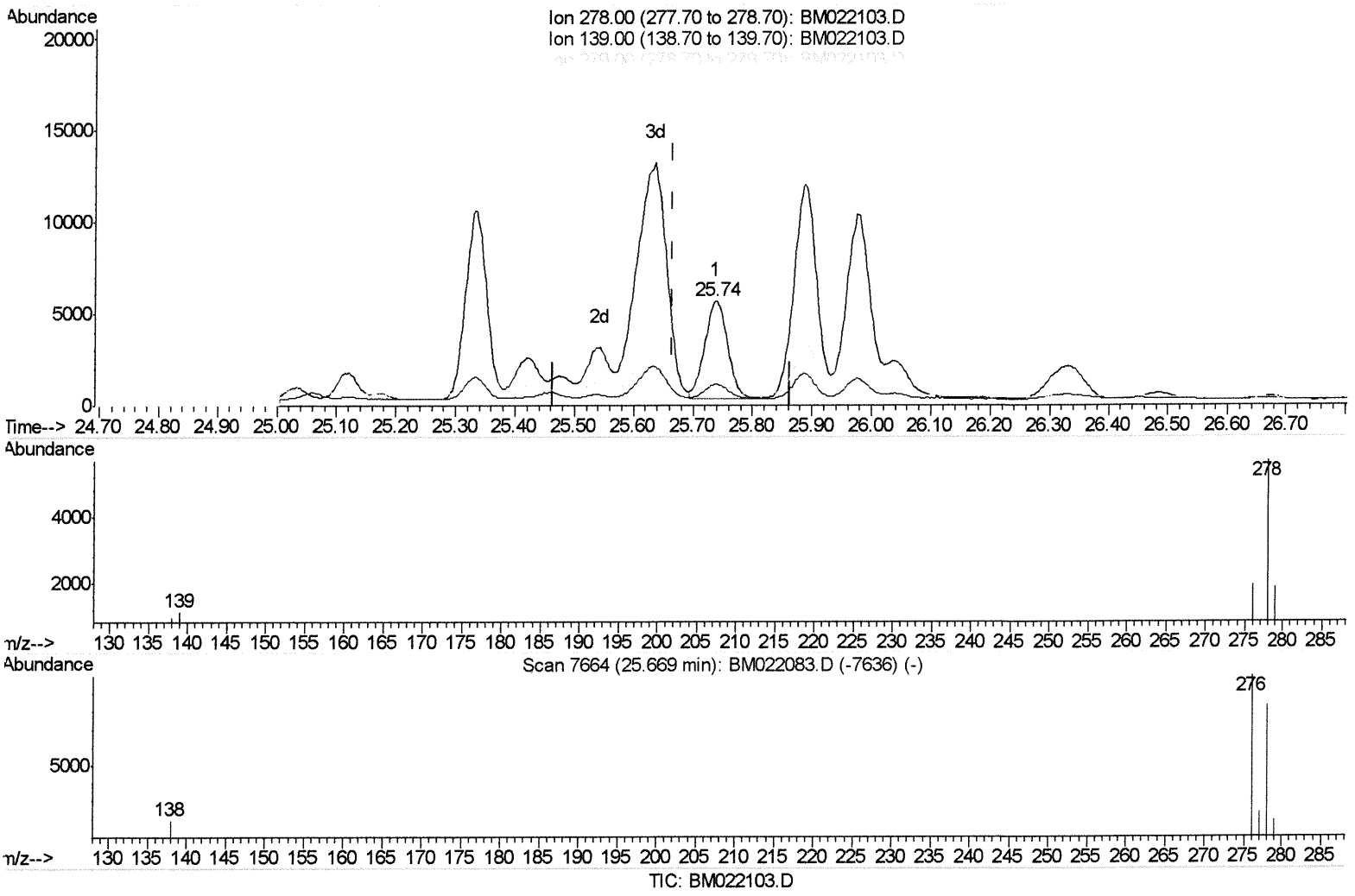
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.61#
125.00	15.20	9.42#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 15:02:15 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



(25) Dibenzo(a,h)anthracene

25.737min (+0.073) 1.02ng/ul

response 14138

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	20.08
279.00	35.40	32.70
0.00	0.00	0.00

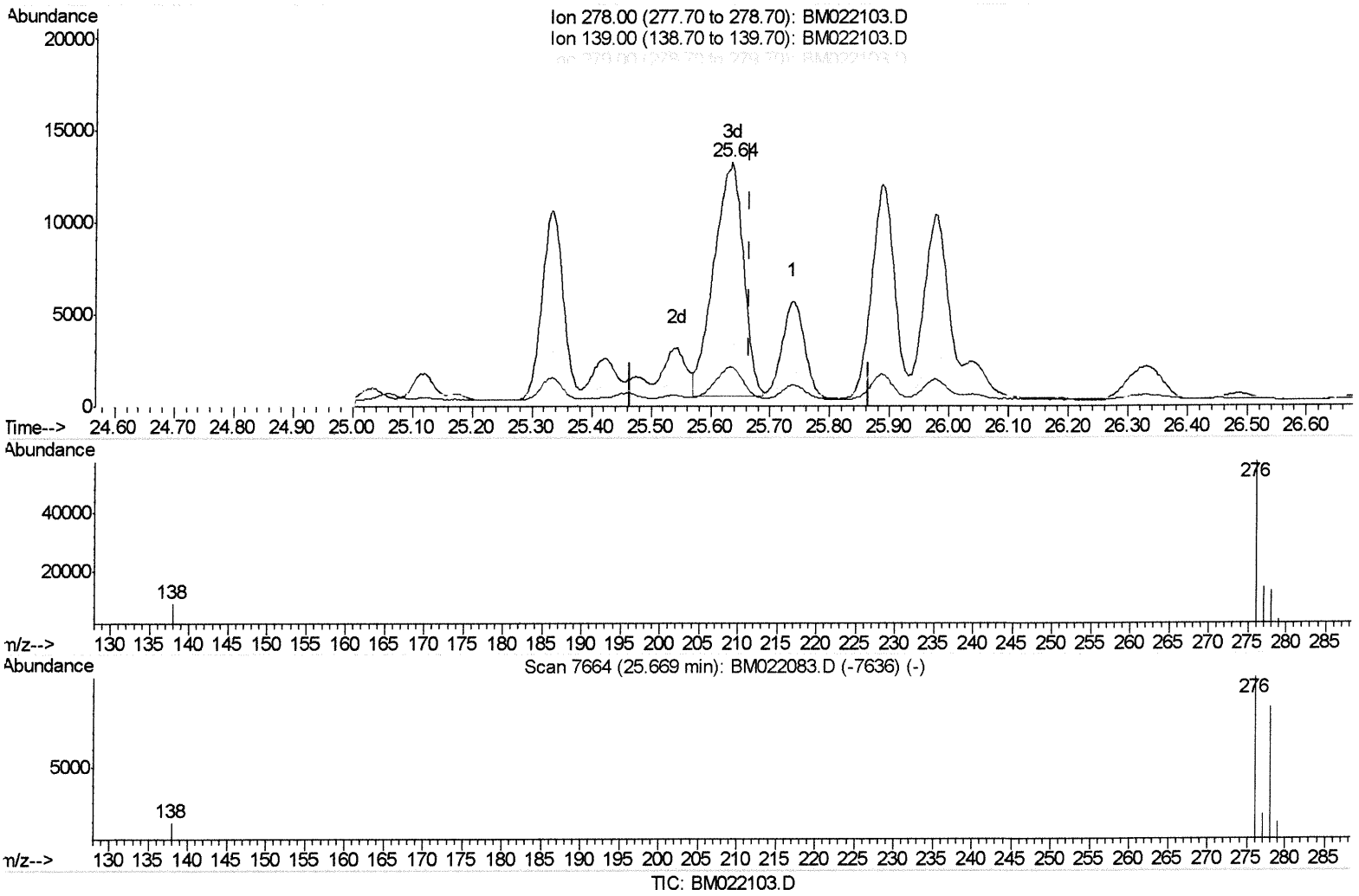
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 14 15:02:15 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM



TIC: BM022103.D

(25) Dibenzo(a,h)anthracene

25.635min (-0.029) 3.17ng/ul m JU 08/15/19

response 43765

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	16.02
279.00	35.40	25.81#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022103.D
Acq On : 14 Aug 2019 12:05
Operator : HP/JU
Sample : K4304-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CB5N6

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:50 PM

Quant Time: Aug 14 15:03:02 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	821	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.37	136	3391	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.25	164	1911	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4349m→	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	4486m→	0.40	ng/ul	-0.01
20) Perylene-d12	23.42	264	4175m→	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	2562	0.46	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	6863m→	0.47	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.42	128	17385	1.815	ng/ul#	92
5) 2-Methylnaphthalene	12.05	142	7354	1.152	ng/ul	96
7) Acenaphthylene	13.97	152	13438	1.508	ng/ul#	81
8) Acenaphthene	14.31	153	12676	1.738	ng/ul	96
9) Fluorene	15.31	166	14202	1.754	ng/ul	99
12) Phenanthrene	17.05	178	285112m→	22.531	ng/ul	
13) Anthracene	17.14	178	54050m→	5.007	ng/ul	
15) Fluoranthene	19.08	202	510490m→	30.116	ng/ul	
17) Pyrene	19.45	202	431017	23.381	ng/ul	97
18) Benzo(a)anthracene	21.20	228	254918m→	15.887	ng/ul	
19) Chrysene	21.25	228	240553	11.657	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	338601m→	24.051	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	121405m→	7.620	ng/ul	
23) Benzo(a)pyrene	23.33	252	226421	15.814	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.63	276	156239	9.139	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.64	278	43765m→	3.167	ng/ul	
26) Benzo(g,h,i)perylene	26.31	276	128641	8.358	ng/ul	95

JU 08/15/19

JU 08/15/19

JU 08/15/19

JU 08/15/19

JU 08/15/19

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