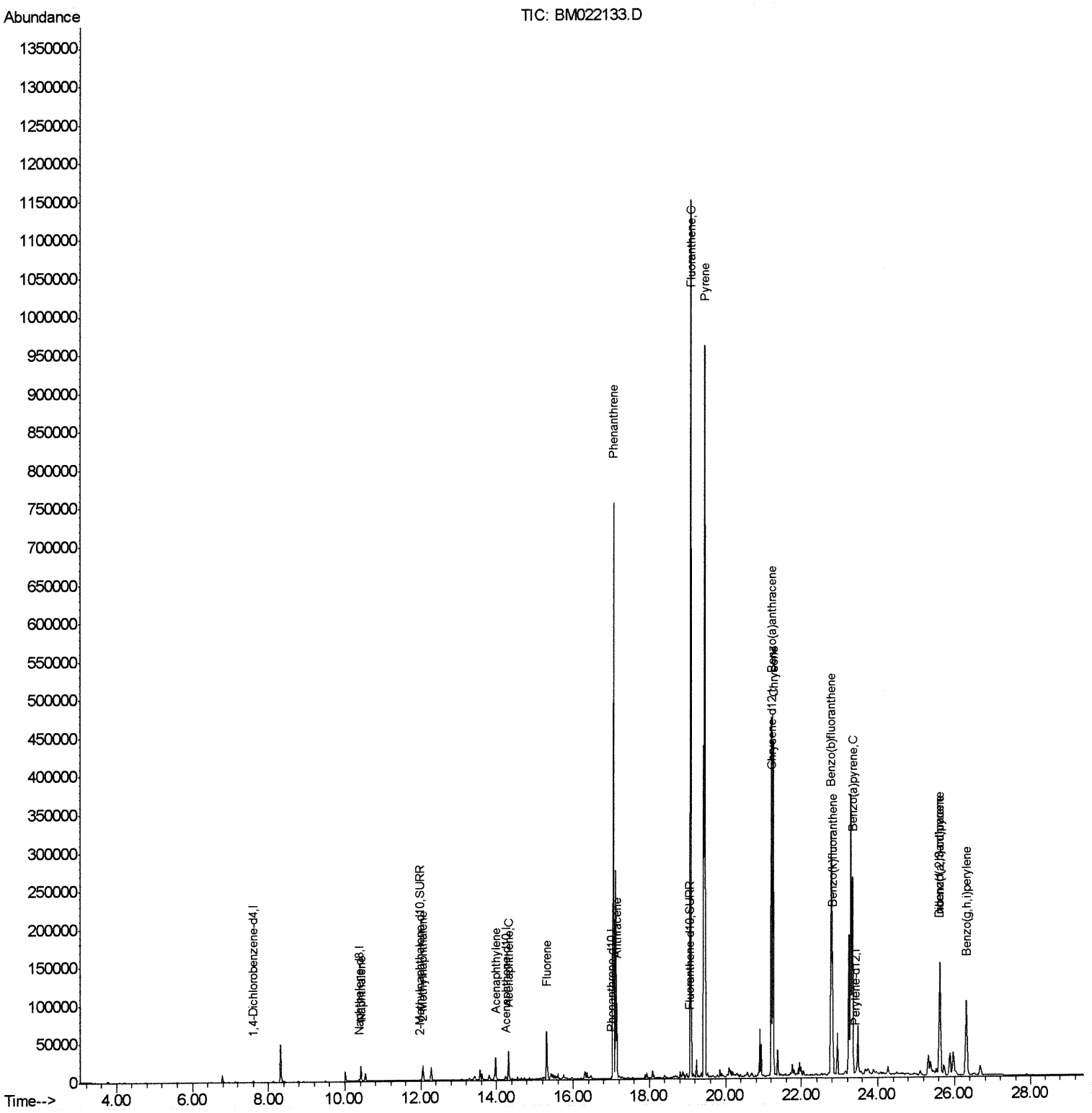
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:09:07 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



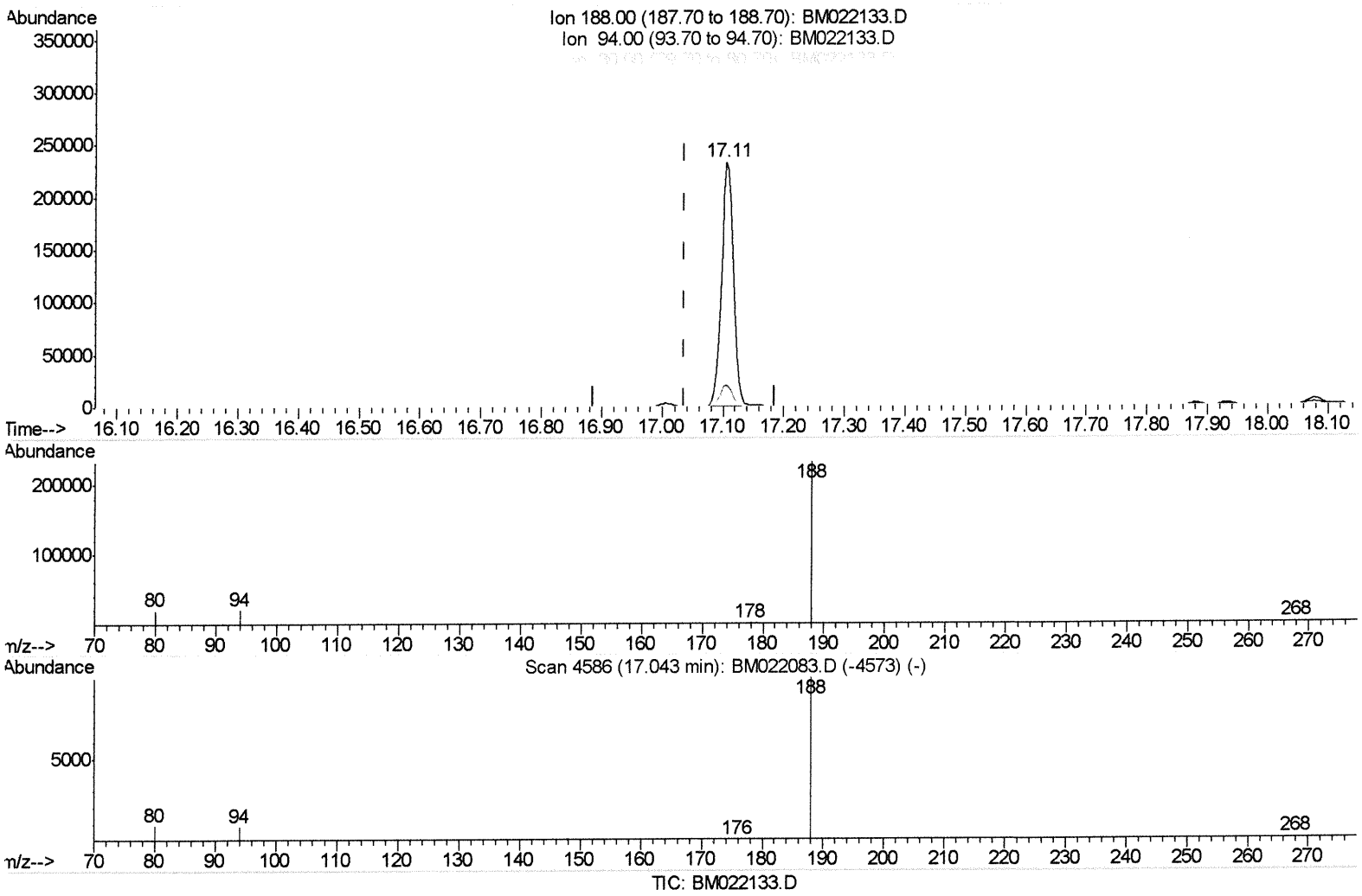
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:11 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



TIC: BM022133.D

(10) Phenanthrene-d10 (I)

17.105min (+0.069) 0.40ng/ul

response 320181

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	8.82
80.00	11.40	8.32#
0.00	0.00	0.00

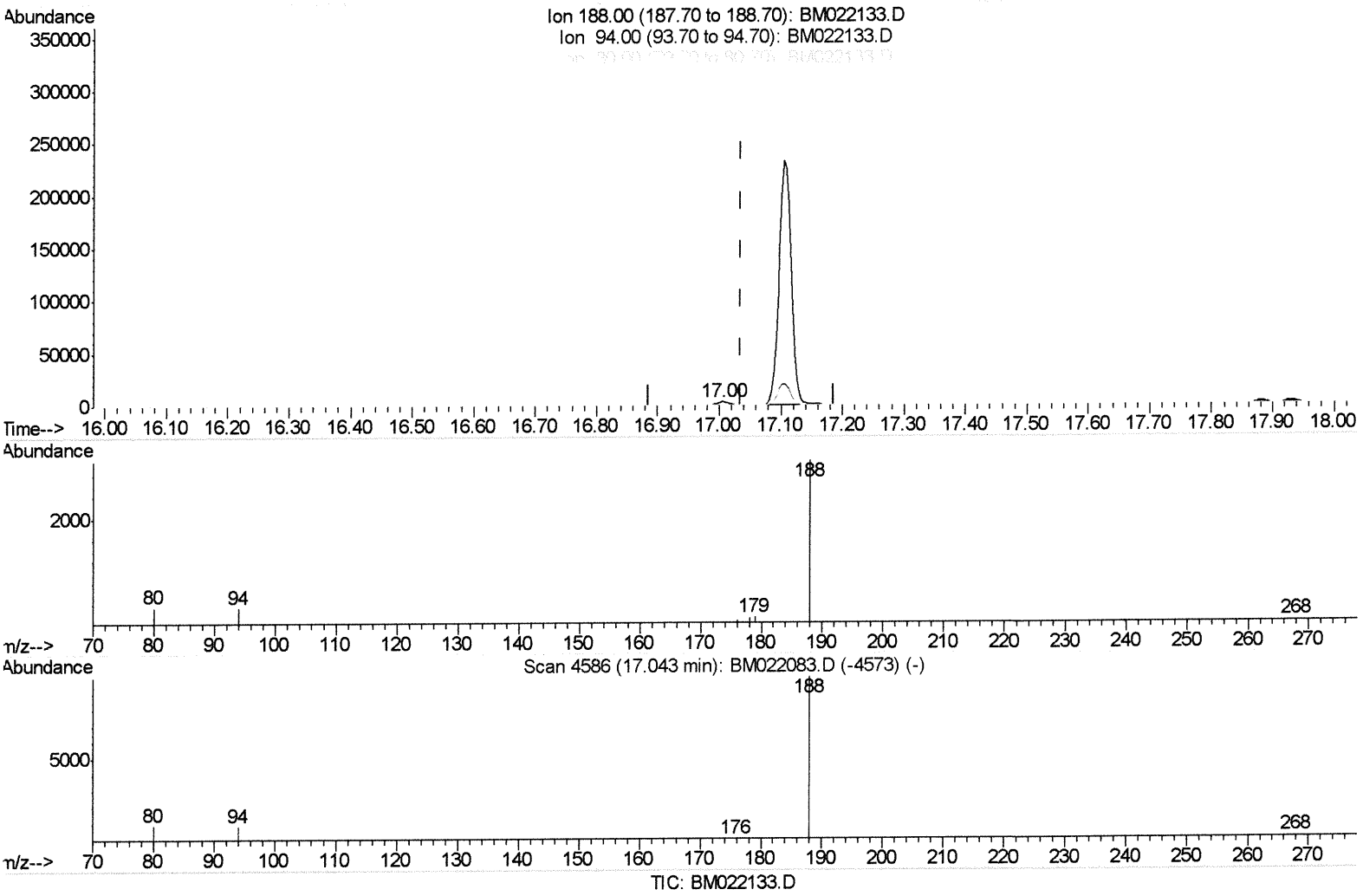
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:11 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(10) Phenanthrene-d10 (I)

17.004min (-0.031) 0.40ng/ul m JU 08/15/19

response 4462

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	10.79
80.00	11.40	11.31
0.00	0.00	0.00

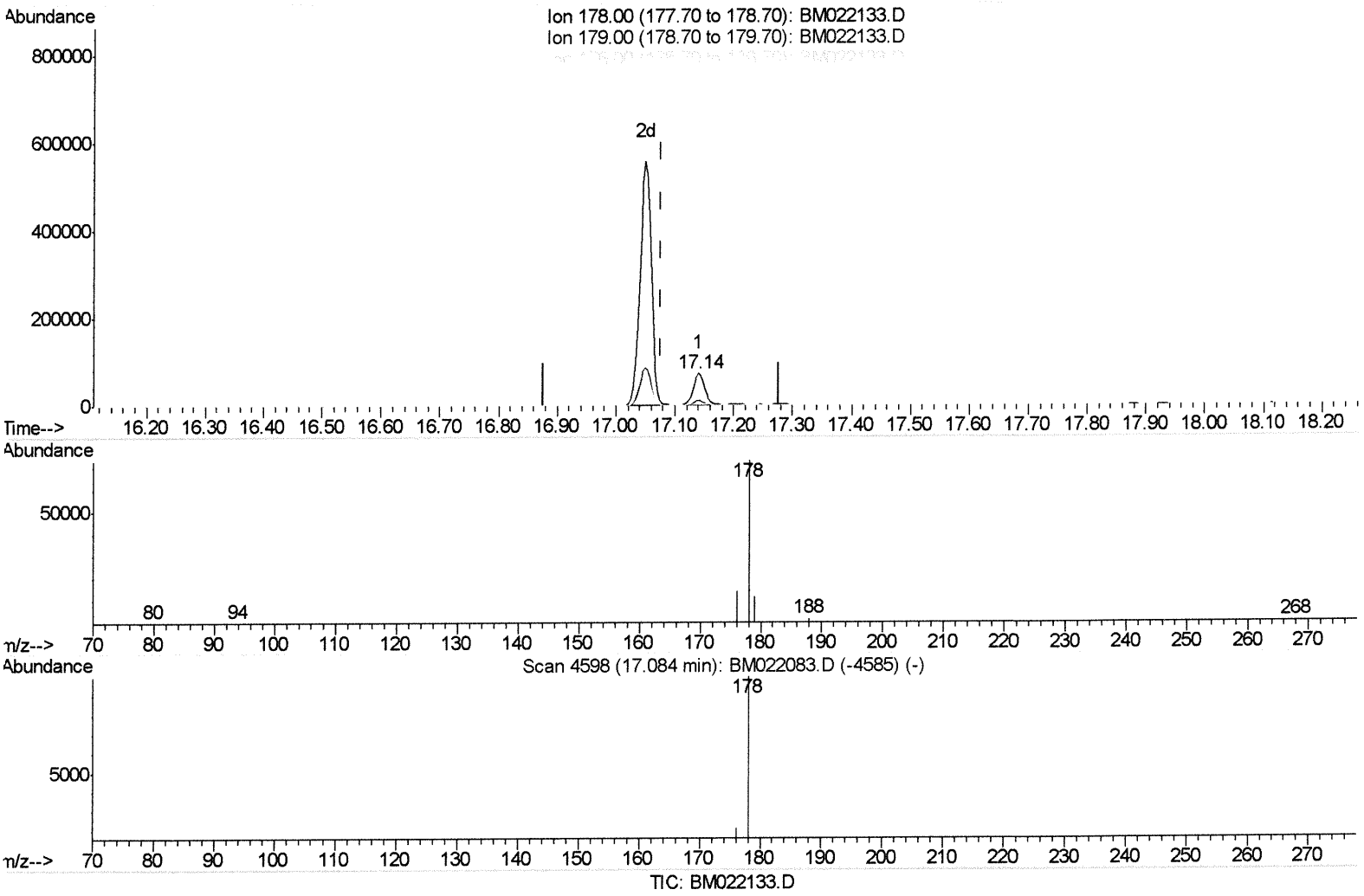
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(12) Phenanthrene

17.140min (+0.062) 7.71ng/ul

response 100069

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.50
176.00	21.00	19.05
0.00	0.00	0.00

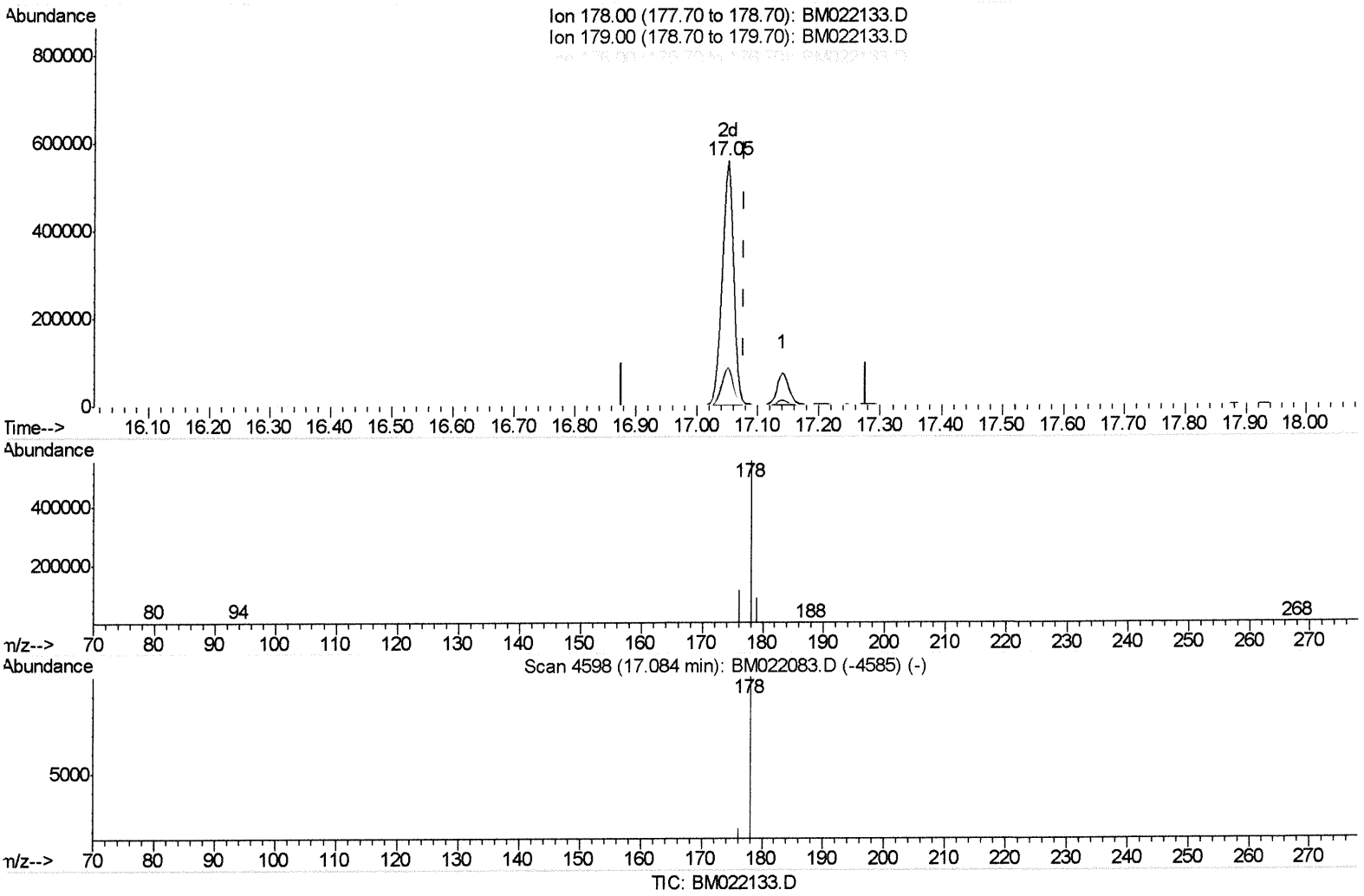
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



TIC: BM022133.D

(12) Phenanthrene

17.050min (-0.028) 57.67ng/ul m JU 08/15/19

response 748721

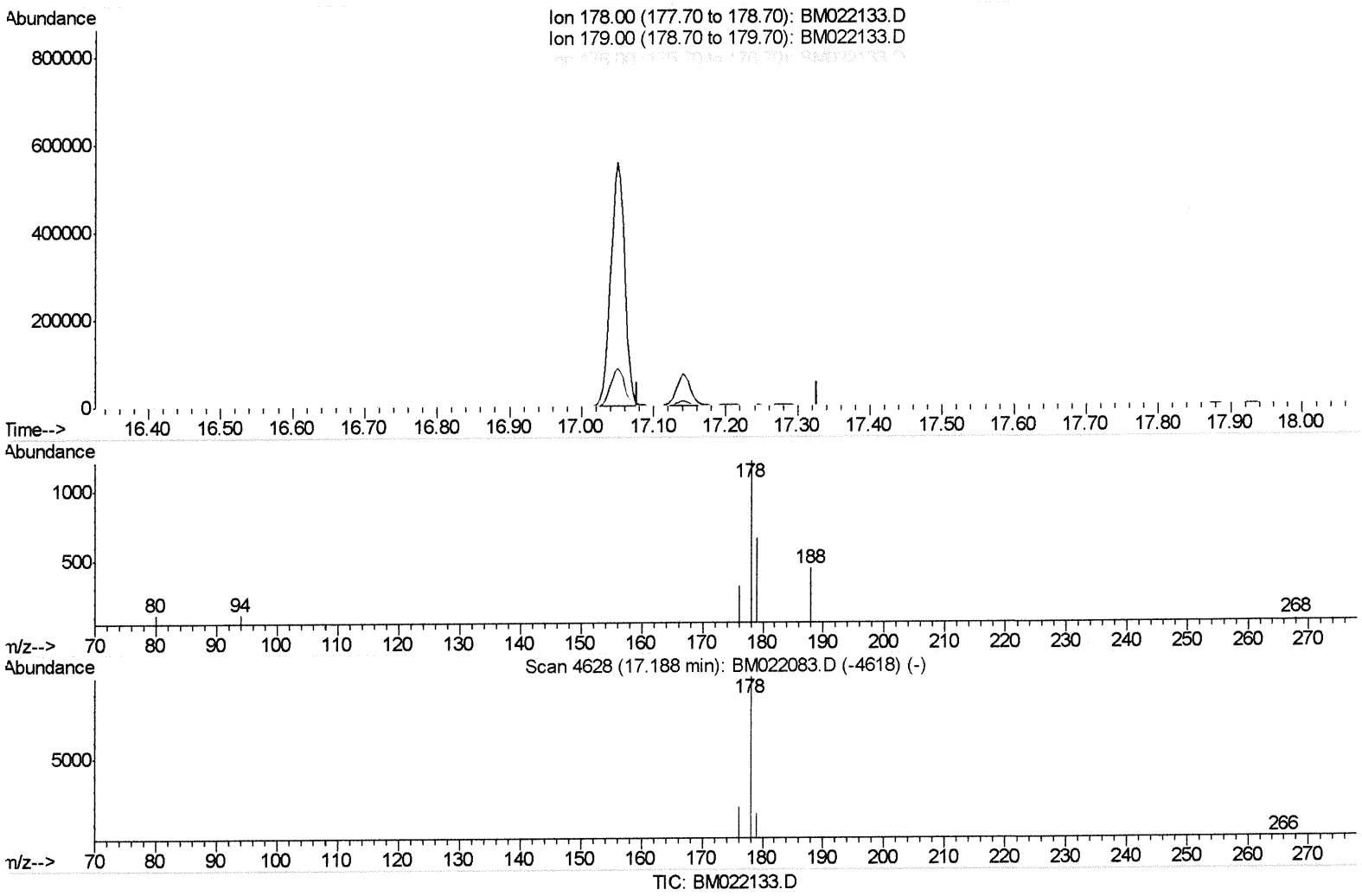
Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.40
176.00	21.00	19.78
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(13) Anthracene

17.178min (-17.178) 0.00ng/ul

response 0

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

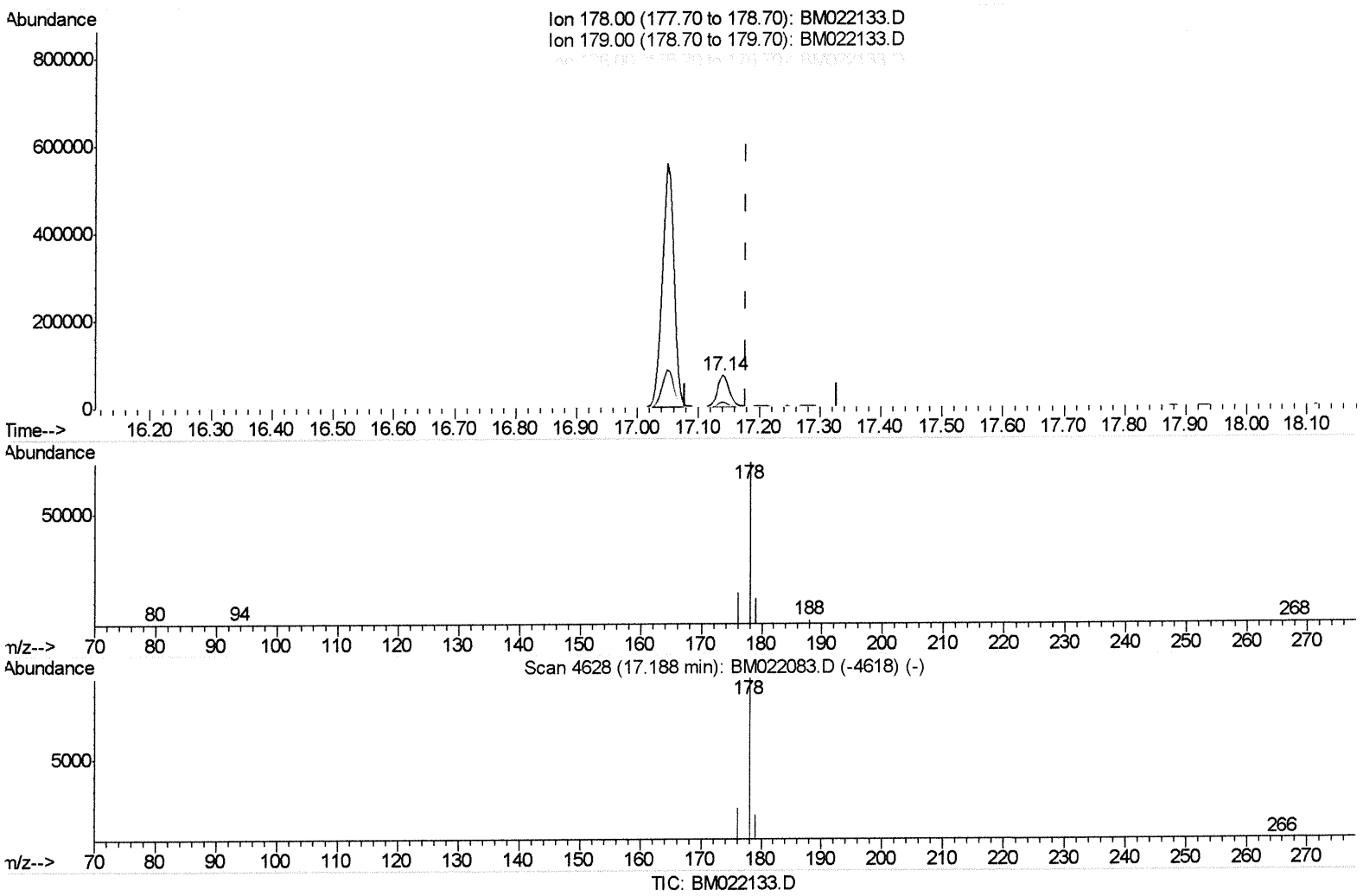
Quantitation Report (Quant)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(13) Anthracene

17.140min (-0.038) 9.00ng/ul m JU 08/15/19

response 99647

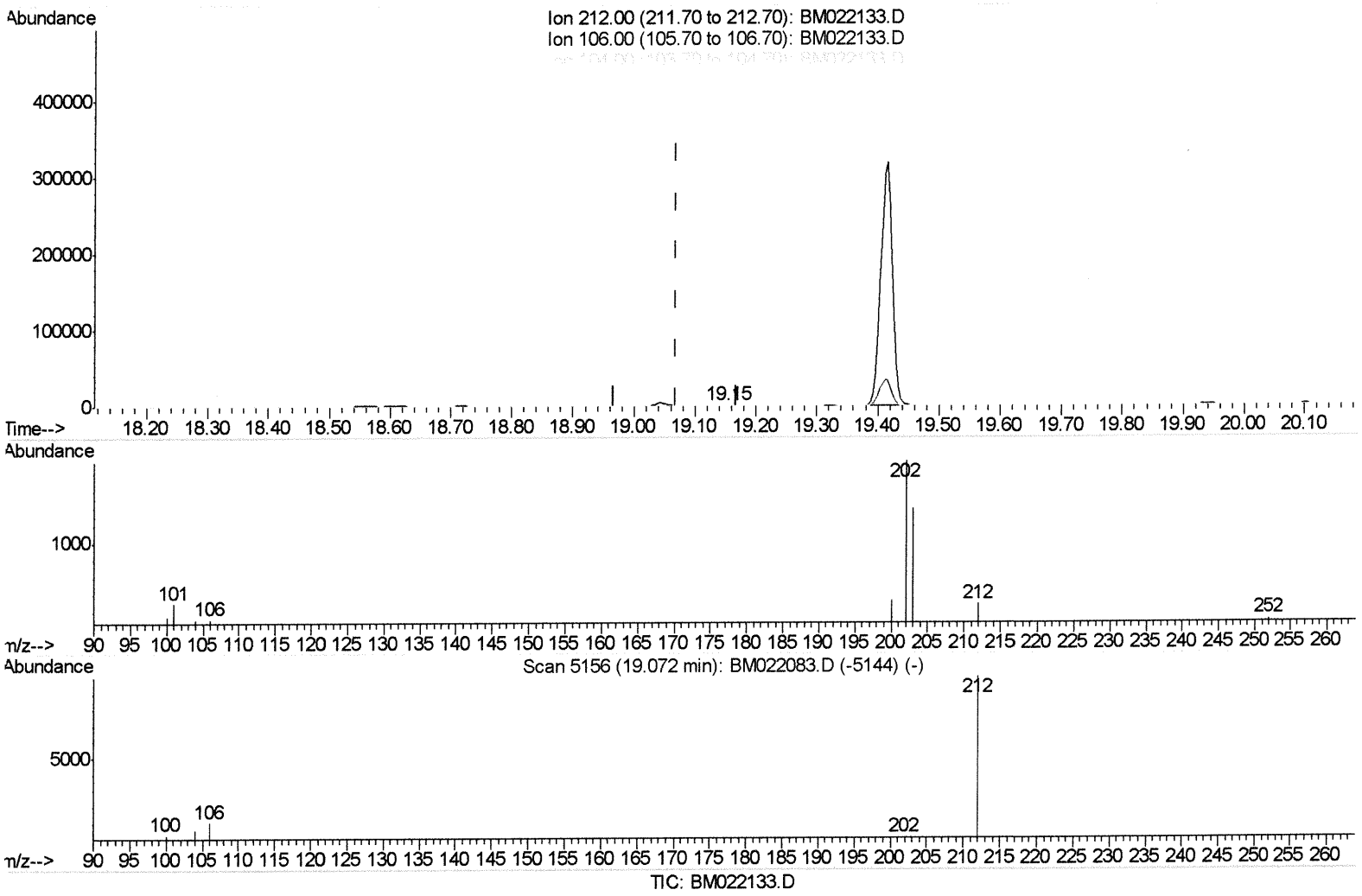
Ion	Exp%	Act%
178.00	100	100
179.00	19.40	15.50#
176.00	20.80	19.05
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(14) Fluoranthene-d10 (SURR)

19.152min (+0.084) 0.02ng/ul

response 349

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	10.60
104.00	6.00	0.00#
0.00	0.00	0.00

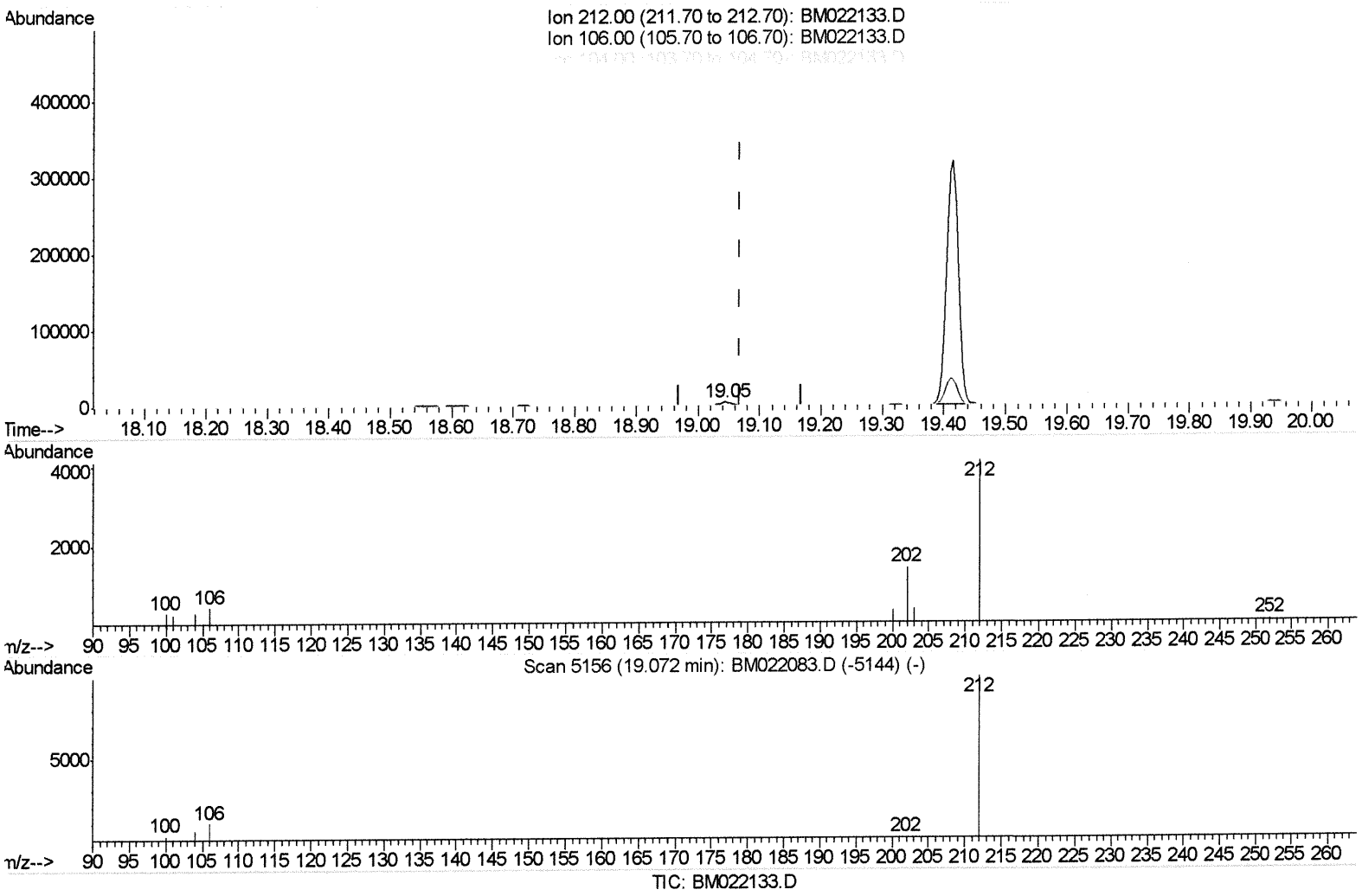
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(14) Fluoranthene-d10 (SURR)

19.045min (-0.023) 0.39ng/ul m JU 08/15/19

response 5933

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	0.62#
104.00	6.00	0.00#
0.00	0.00	0.00

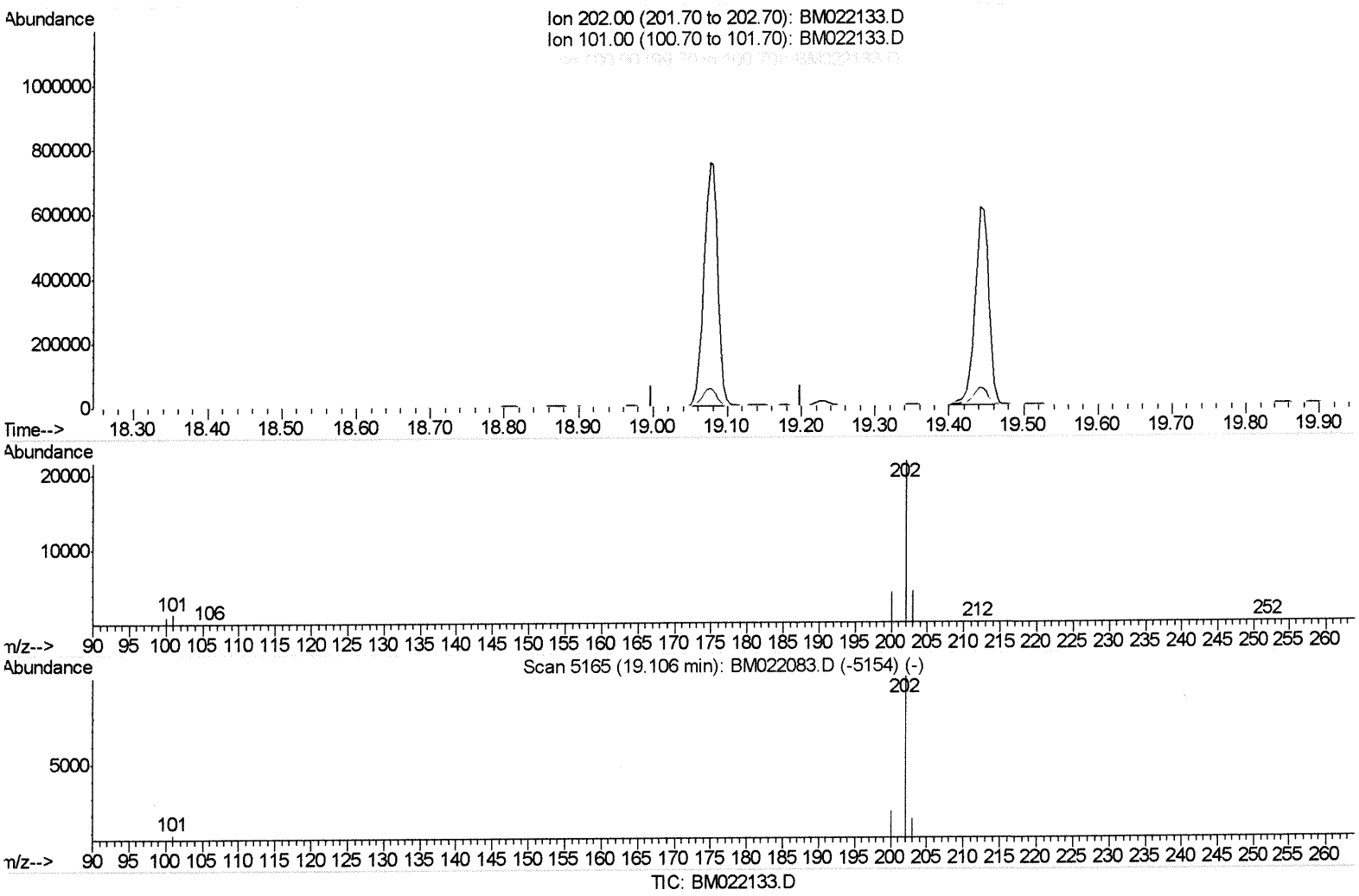
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



TIC: BM022133.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

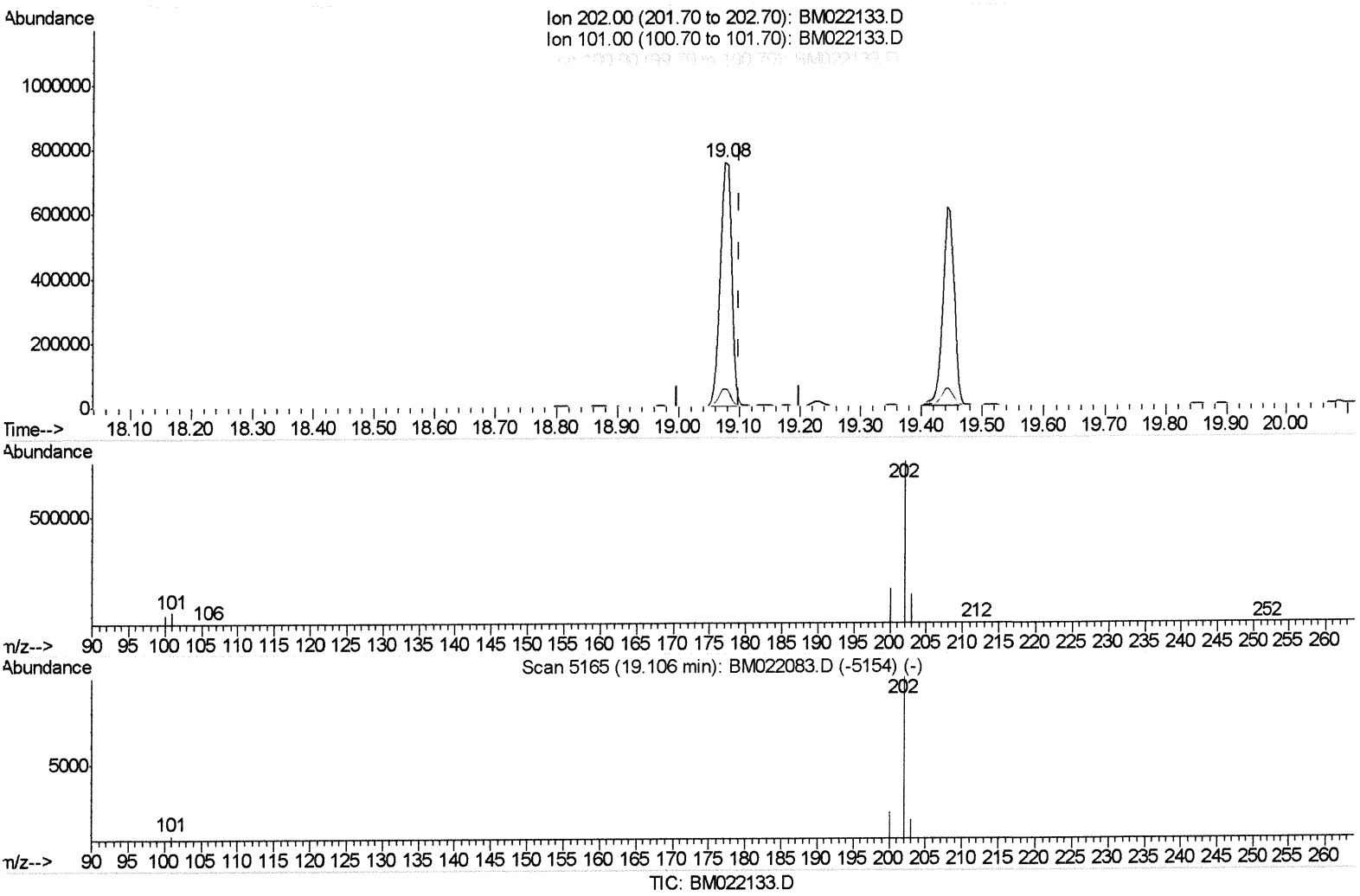
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(15) Fluoranthene (C)

19.076min (-0.023) 55.63ng/ul m JU 08/15/19

response 967480

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	7.44
100.00	8.10	5.81
0.00	0.00	0.00

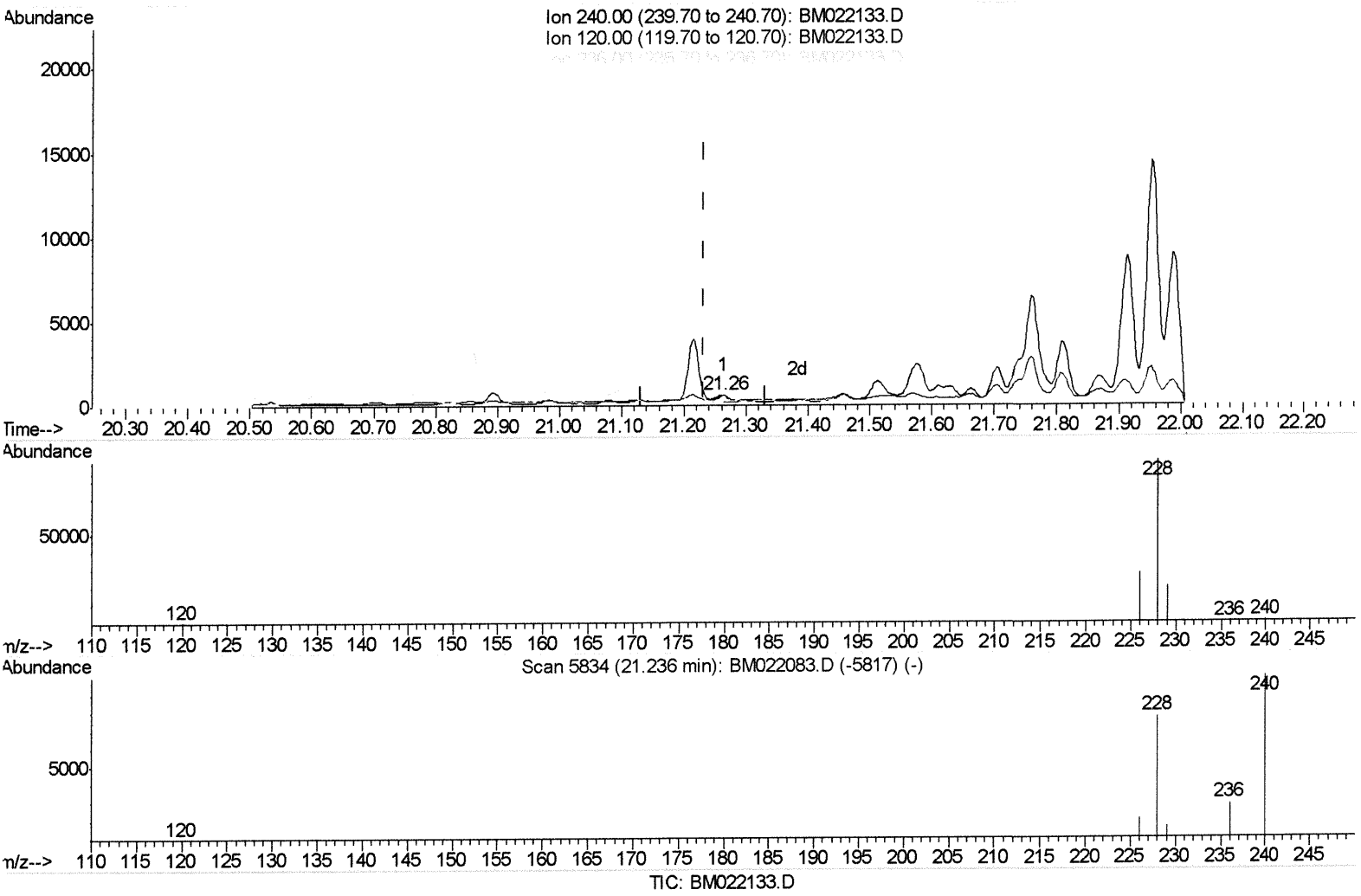
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:05:39 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 : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(16) Chrysene-d12 (I)

21.263min (+0.031) 0.40ng/ul

response 431

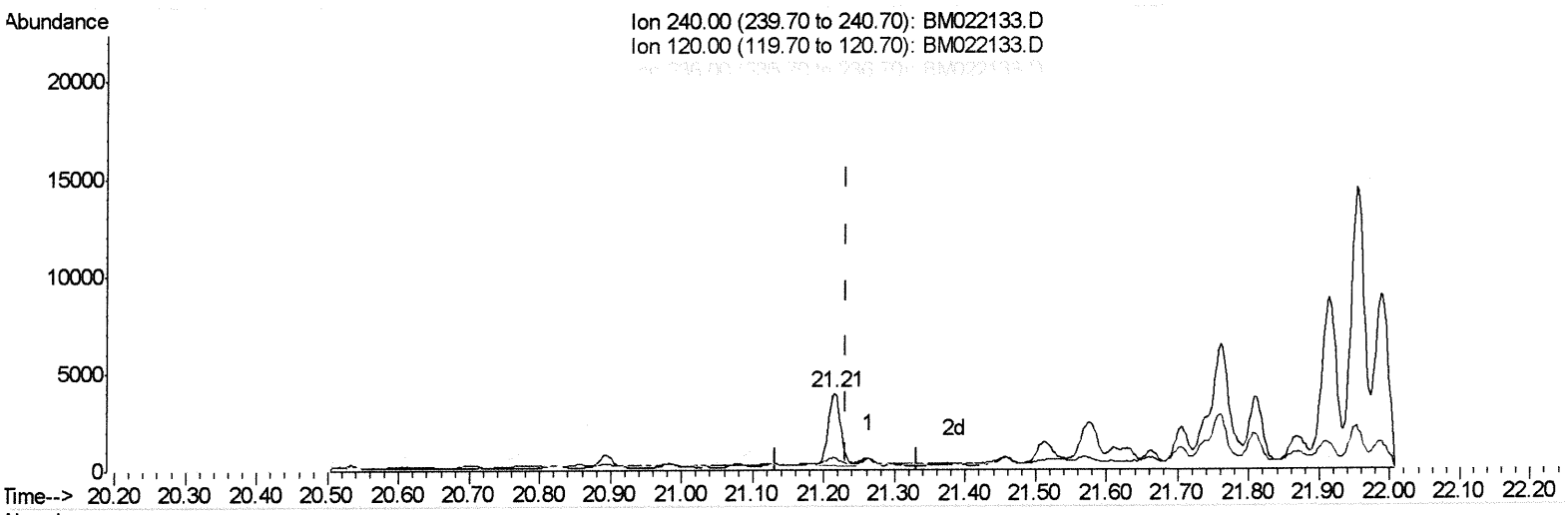
Ion	Exp%	Act%
240.00	100	100
120.00	16.20	102.02#
236.00	32.30	40.50#
0.00	0.00	0.00

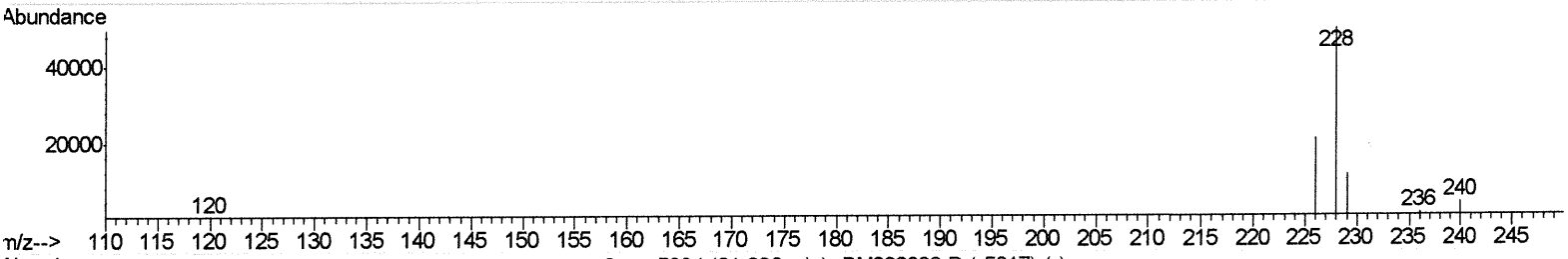
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

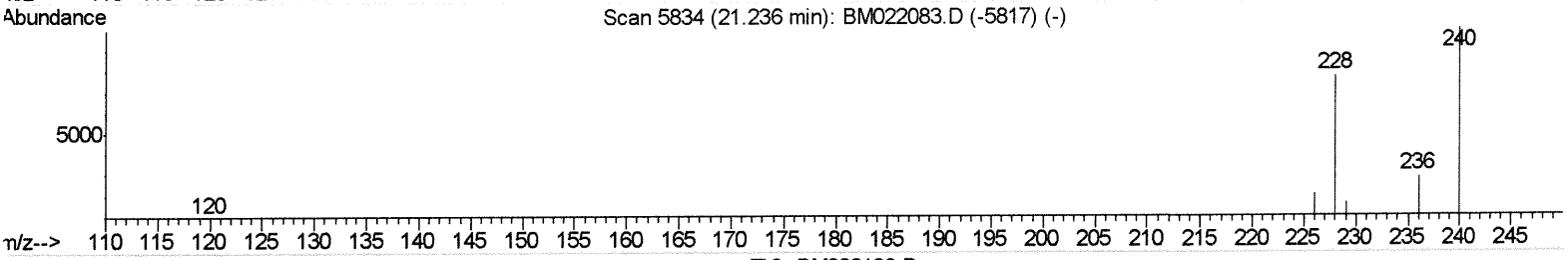
Quant Time: Aug 15 13:05:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 13:53:23 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM







(16) Chrysene-d12 (I)

21.214min (-0.017) 0.40ng/ul m JU 08/15/19

response 4621

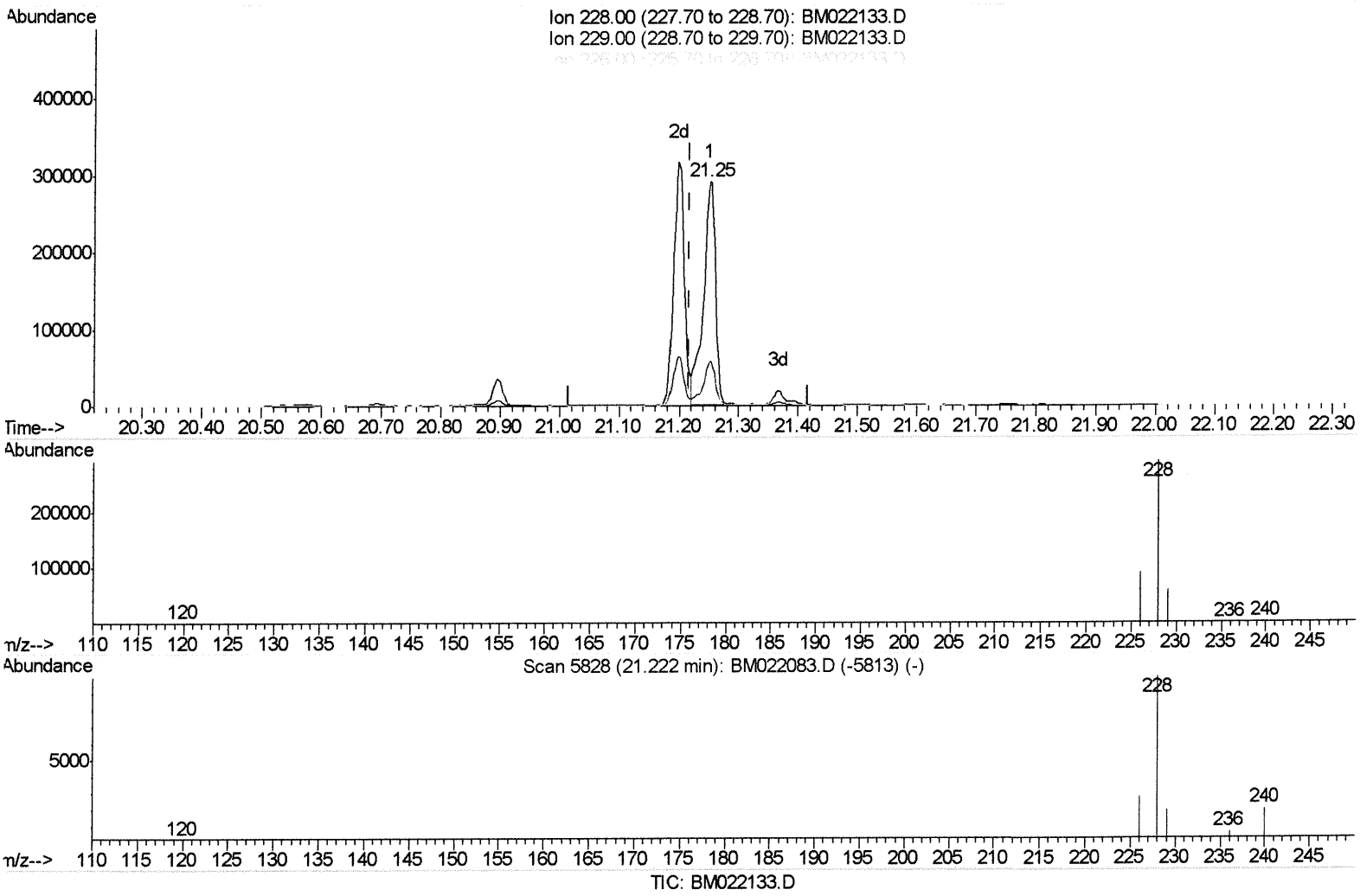
Ion	Exp%	Act%
240.00	100	100
120.00	16.20	15.96
236.00	32.30	31.84
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:07:15 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



TIC: BM022133.D

(18) Benzo(a)anthracene

21.251min (+0.034) 25.07ng/ul

response 414382

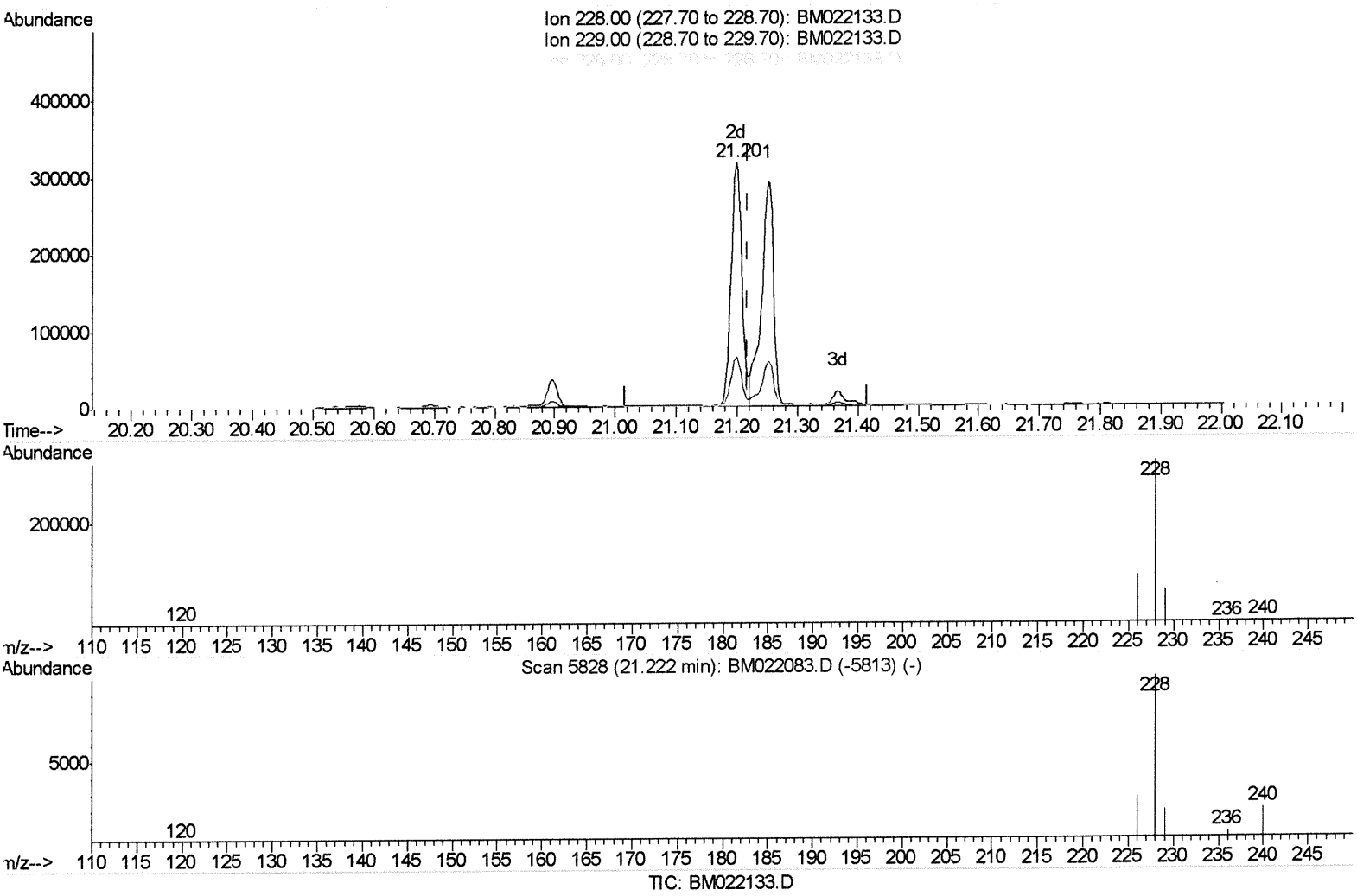
Ion	Exp%	Act%
228.00	100	100
229.00	21.50	20.04
226.00	28.30	31.12
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:07:15 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



TIC: BM022133.D

(18) Benzo(a)anthracene

21.197min (-0.019) 24.08ng/ul m JU 08/15/19

response 398067

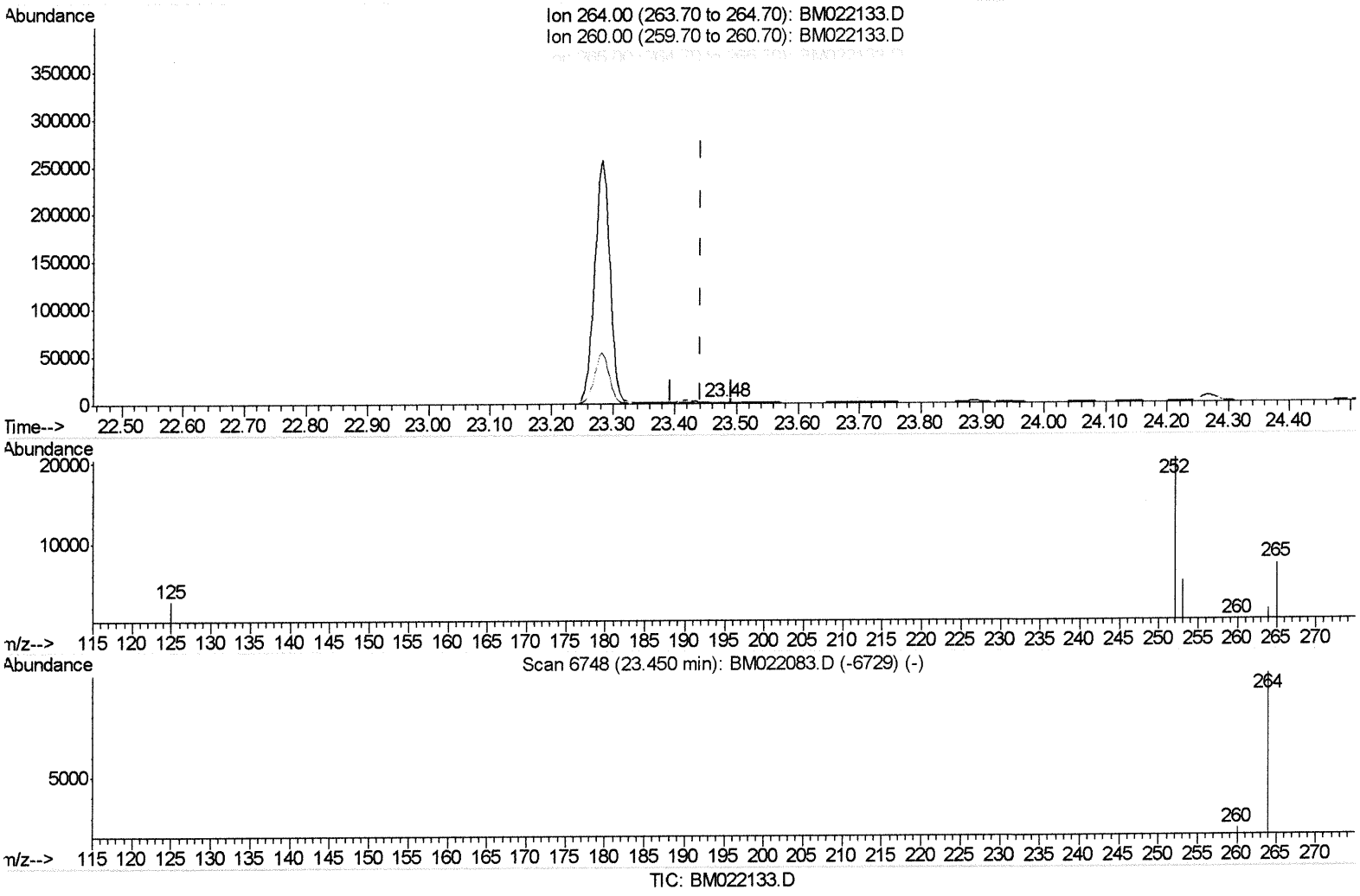
Ion	Exp%	Act%
228.00	100	100
229.00	21.50	20.13
226.00	28.30	28.53
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:07:15 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(20) Perylene-d12 (I)

23.481min (+0.039) 0.40ng/ul

response 1476

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	20.74#
265.00	117.00	485.79#
0.00	0.00	0.00

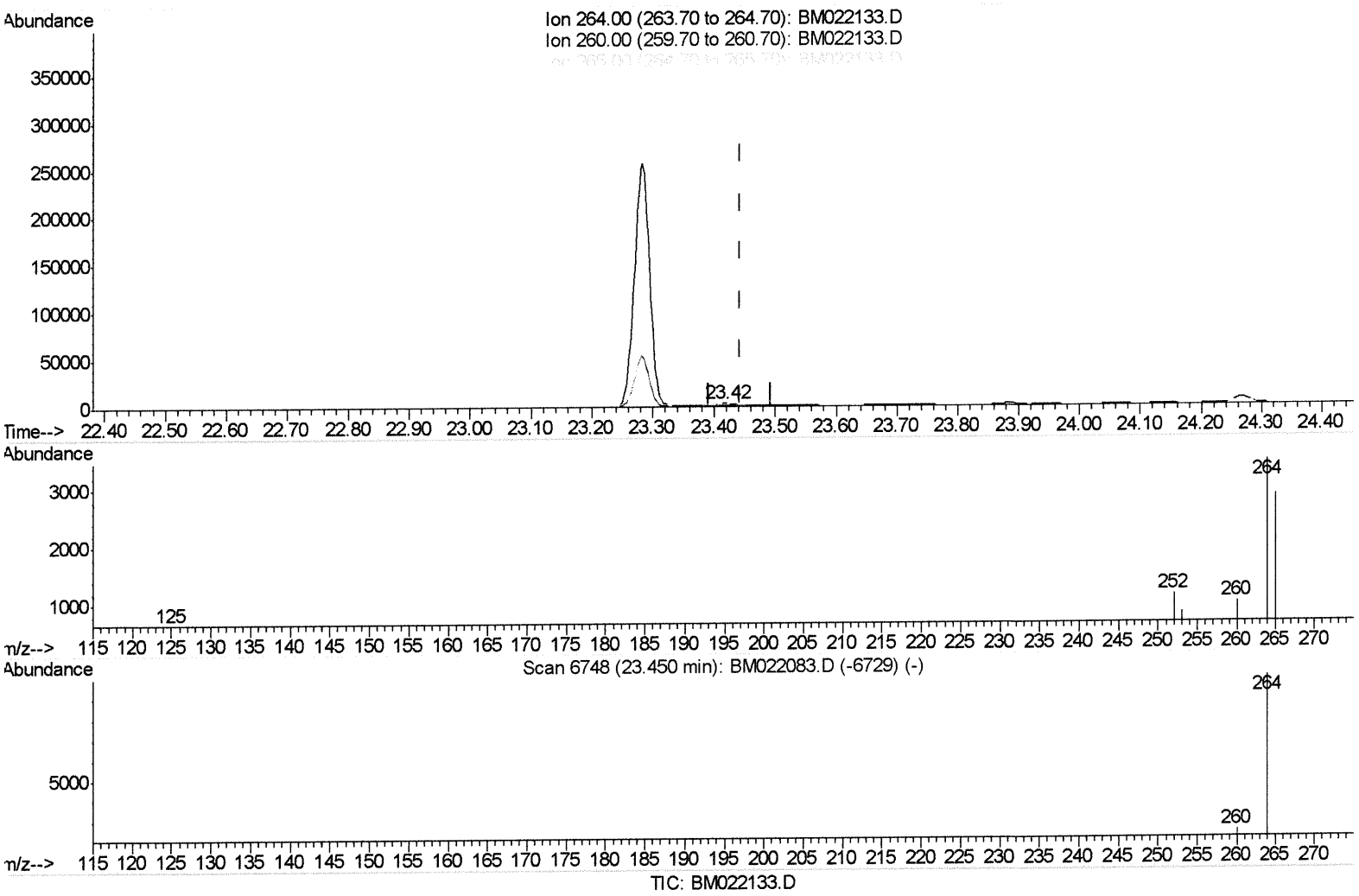
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:07:15 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(20) Perylene-d12 (I)

23.418min (-0.024) 0.40ng/ul m JU 08/15/19

response 4691

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	28.72
265.00	117.00	82.70#
0.00	0.00	0.00

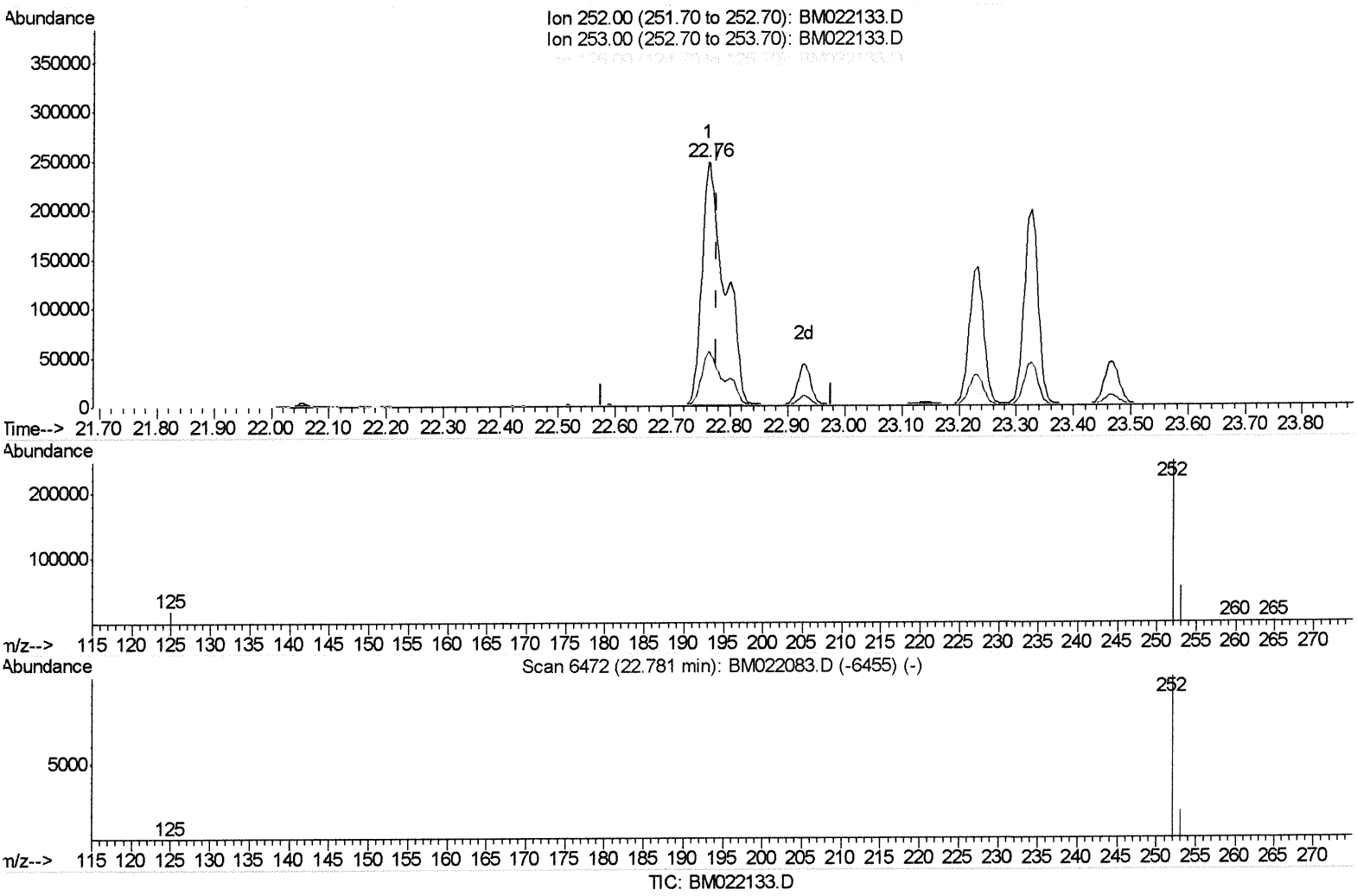
Quantitation Report (Qual)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:08:05 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(21) Benzo(b)fluoranthene

22.762min (-0.015) 43.27ng/ul

response 684473

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.10
125.00	15.50	7.44
0.00	0.00	0.00

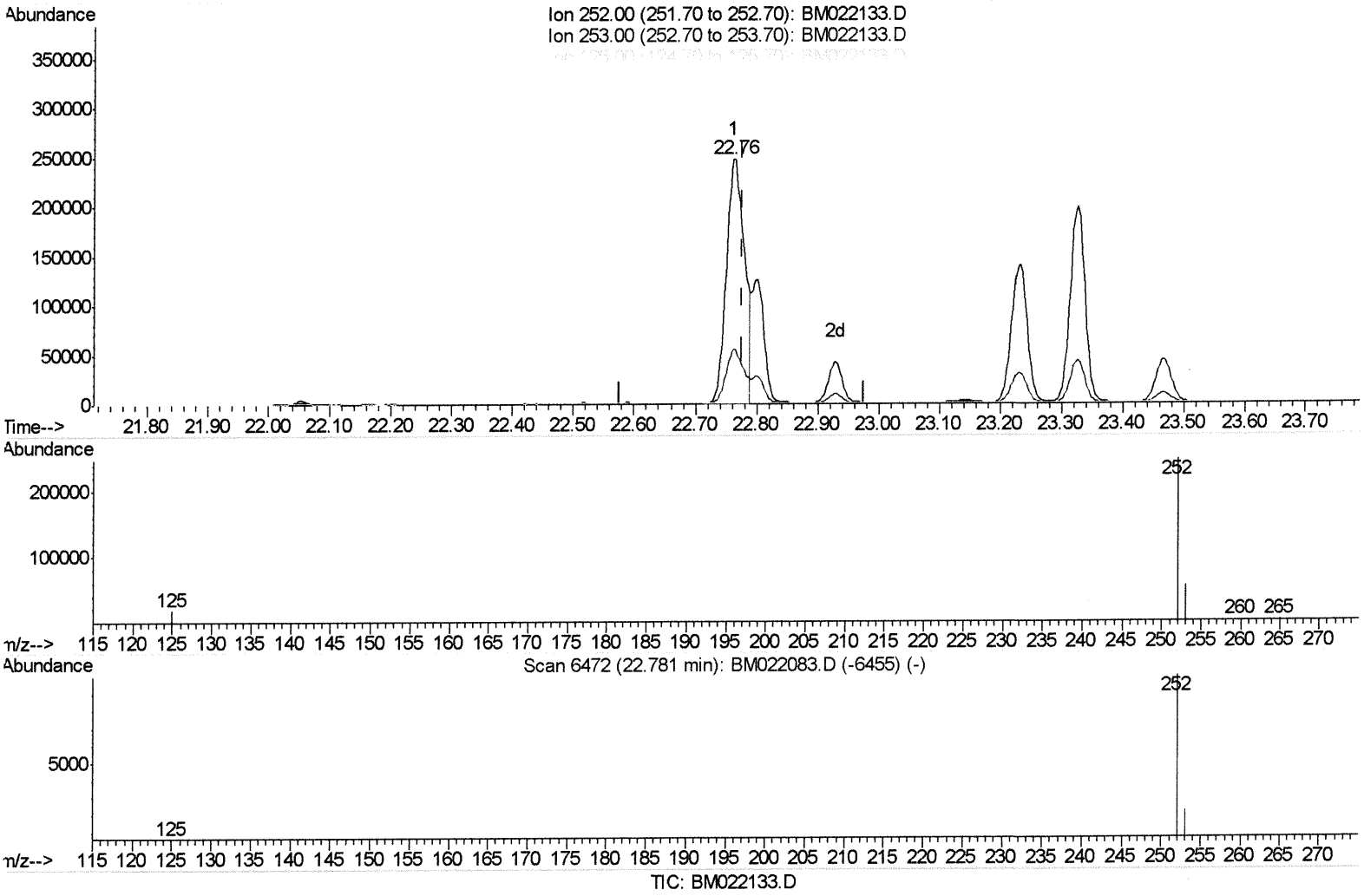
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:08:05 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



TIC: BM022133.D

(21) Benzo(b)fluoranthene

22.762min (-0.015) 32.07ng/ul m JU 08/15/19

response 507234

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.10
125.00	15.50	7.44
0.00	0.00	0.00

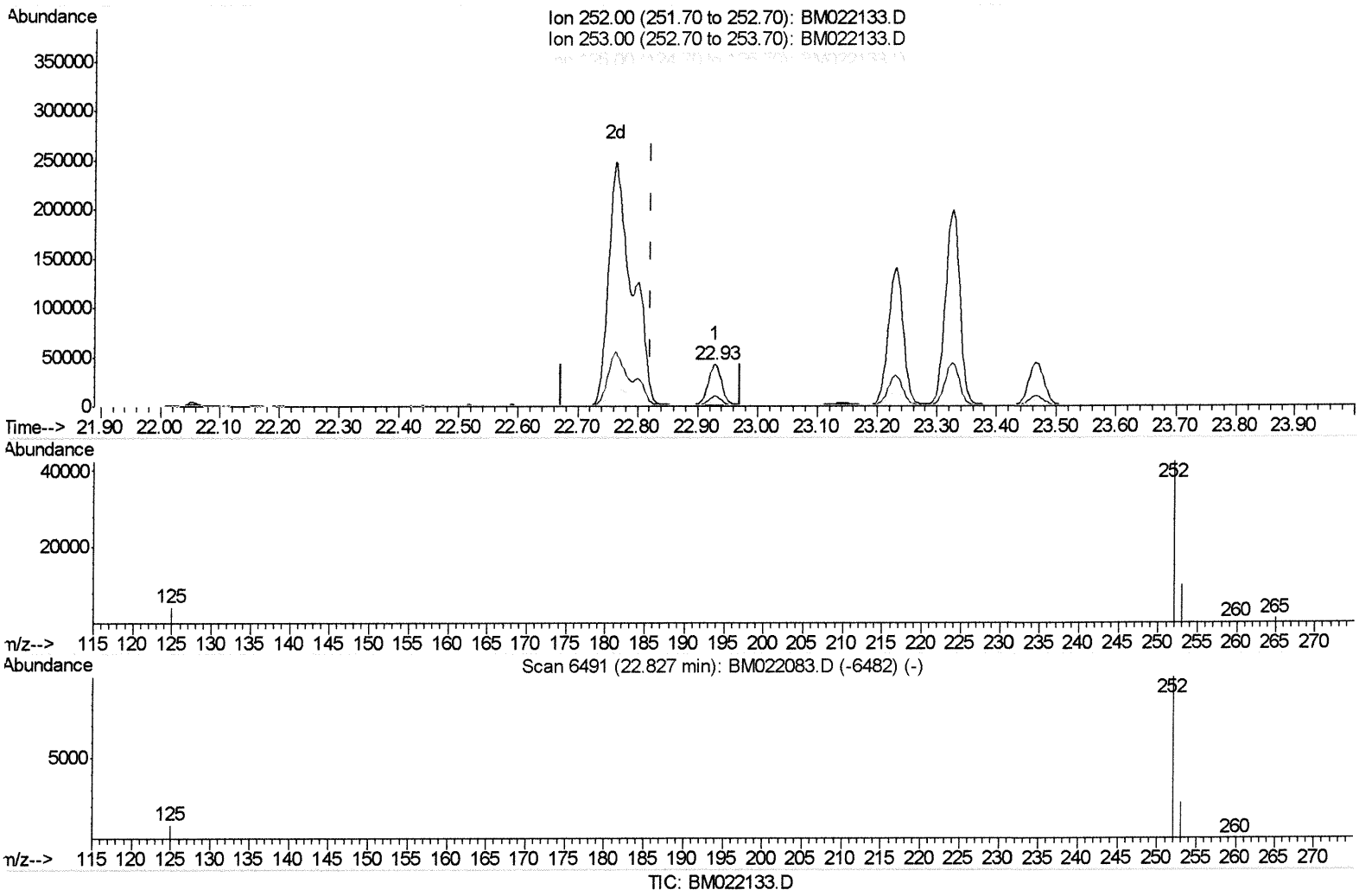
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:08:05 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(22) Benzo(k)fluoranthene

22.929min (+0.107) 3.66ng/ul

response 65432

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.75#
125.00	15.20	10.30#
0.00	0.00	0.00

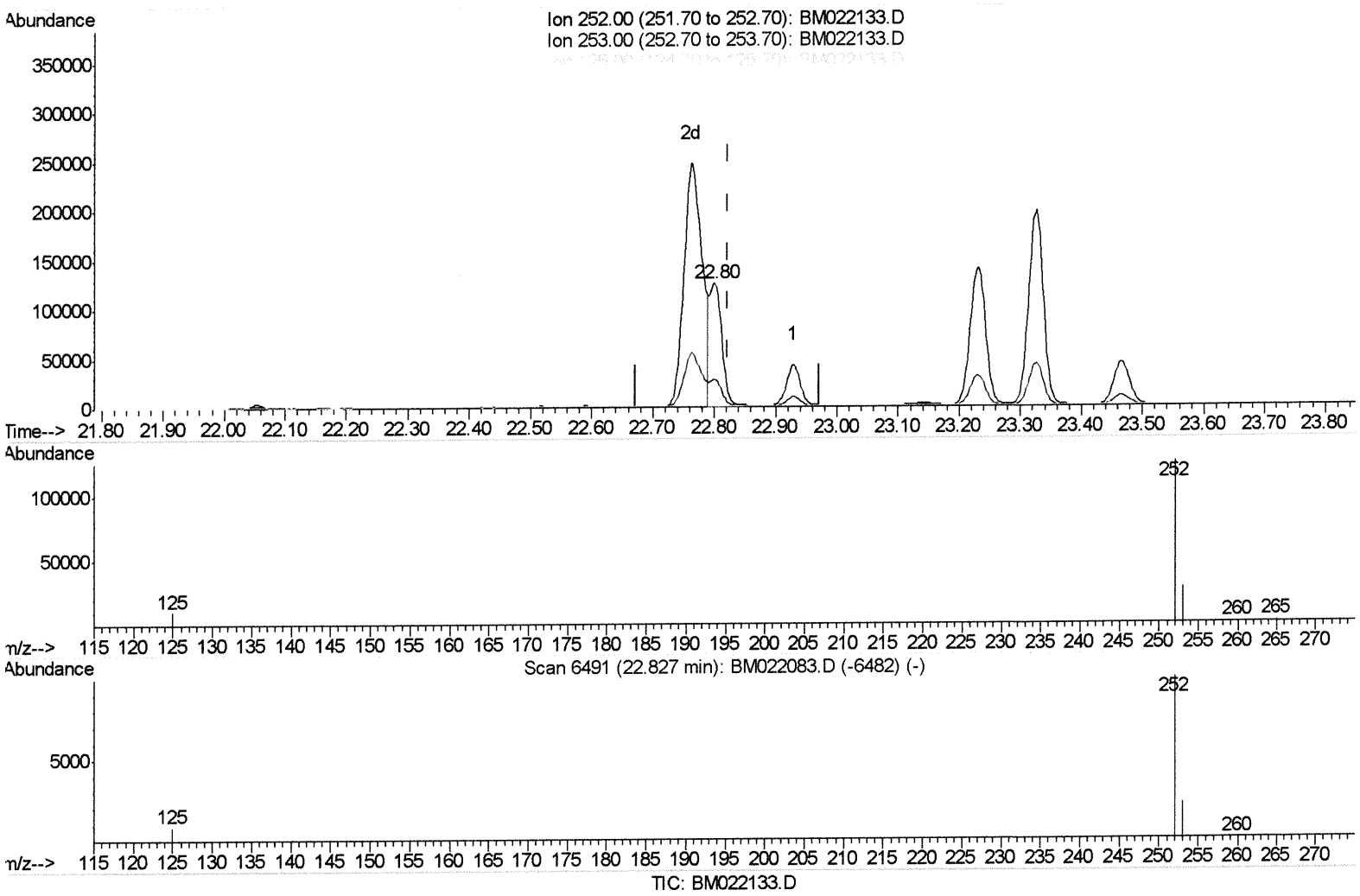
Quantitation Report (Quan)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:08:05 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(22) Benzo(k)fluoranthene

22.800min (-0.022) 10.18ng/ul m JU 08/15/19

response 182263

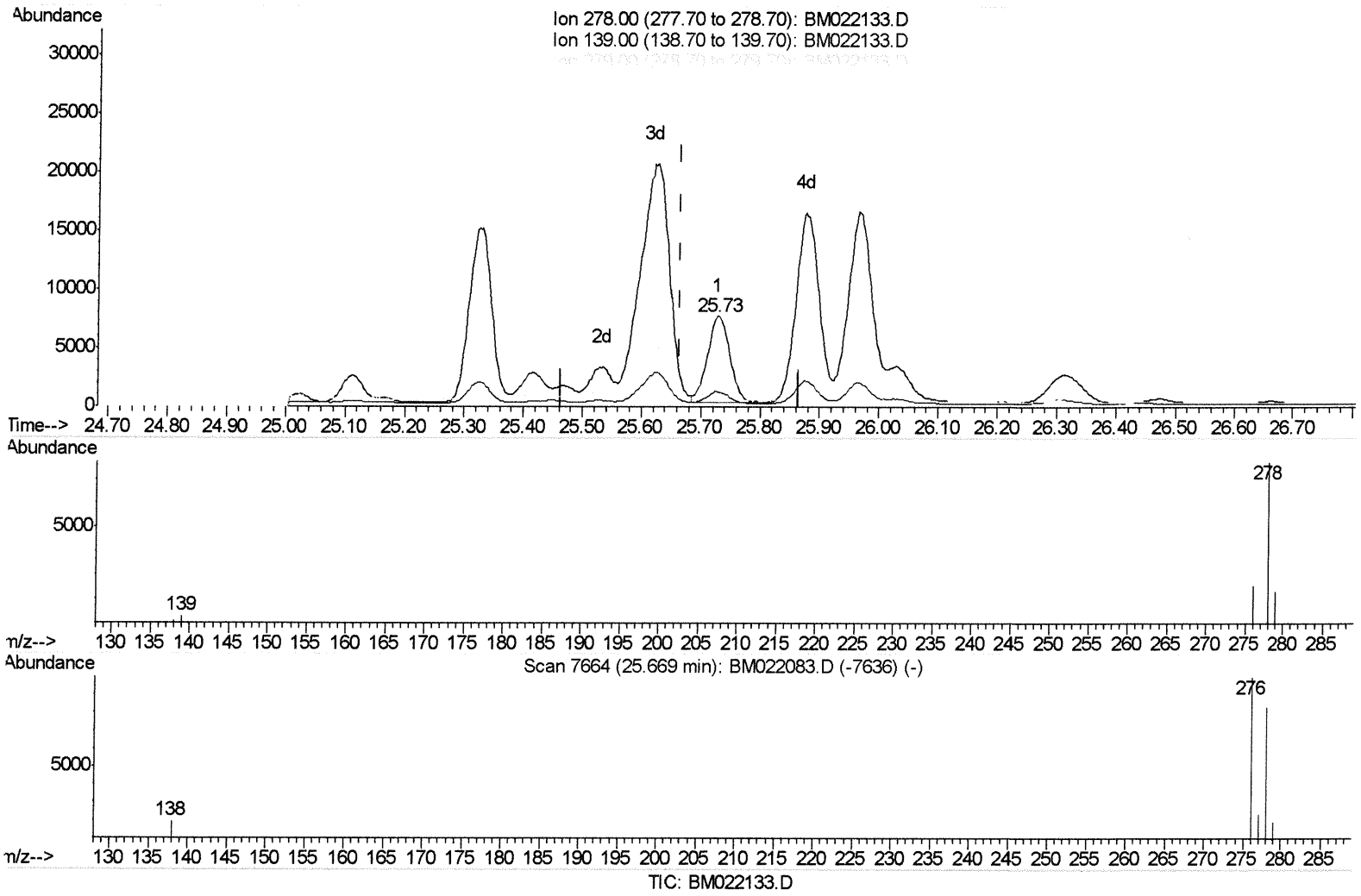
Ion	Exp%	Act%
252.00	100	100
253.00	33.70	22.24#
125.00	15.20	8.08#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:08:05 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



TIC: BM022133.D

(25) Dibenzo(a,h)anthracene

25.727min (+0.063) 1.24ng/ul

response 19195

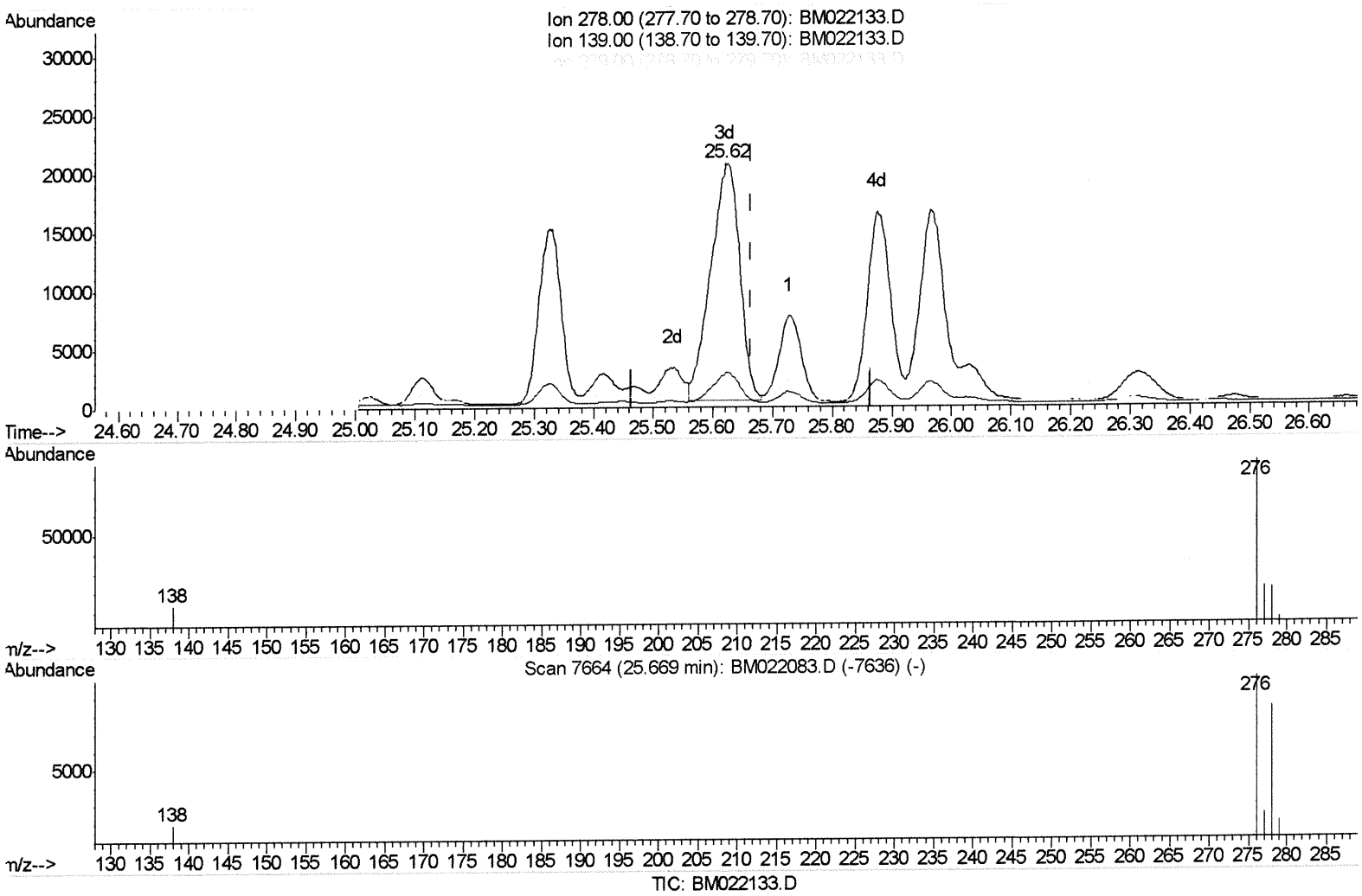
Ion	Exp%	Act%
278.00	100	100
139.00	17.70	16.55
279.00	35.40	29.87
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 15 13:08:05 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 :
CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM



(25) Dibenzo(a,h)anthracene JV 08/15/19

25.621min (-0.044) 4.39ng/ul m

response 68099

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	13.98#
279.00	35.40	24.41#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM081219\
Data File : BM022133.D
Acq On : 15 Aug 2019 07:38
Operator : HP/JU
Sample : K4304-12
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : CB5P3

Manual Integrations APPROVED
mohammad
8/15/2019 5:10:23 PM

Quant Time: Aug 15 13:09:07 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 : 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	909	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.37	136	3686	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.25	164	2113	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.00	188	4462m →	0.40	ng/ul	-0.03
16) Chrysene-d12	21.21	240	4621m →	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	4691m →	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	2172	0.36	ng/ul	-0.04
14) Fluoranthene-d10	19.05	212	5933m →	0.39	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.42	128	27154	2.608	ng/ul#	92
5) 2-Methylnaphthalene	12.05	142	15963	2.301	ng/ul	97
7) Acenaphthylene	13.97	152	30622	3.107	ng/ul#	81
8) Acenaphthene	14.31	153	22089	2.739	ng/ul	96
9) Fluorene	15.31	166	39594	4.421	ng/ul	98
12) Phenanthrene	17.05	178	748721m →	57.669	ng/ul	
13) Anthracene	17.14	178	99647m →	8.998	ng/ul	
15) Fluoranthene	19.08	202	967480m →	55.630	ng/ul	
17) Pyrene	19.44	202	794976	41.865	ng/ul	96
18) Benzo(a)anthracene	21.20	228	398067m →	24.083	ng/ul	
19) Chrysene	21.25	228	415362	19.539	ng/ul	99
21) Benzo(b)fluoranthene	22.76	252	507234m →	32.065	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	182263m →	10.181	ng/ul	
23) Benzo(a)pyrene	23.33	252	335631	20.863	ng/ul#	73
24) Indeno(1,2,3-cd)pyrene	25.62	276	228459	11.894	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.62	278	68099m →	4.386	ng/ul	
26) Benzo(g,h,i)perylene	26.30	276	197714	11.433	ng/ul	94

JU 08/15/19

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