Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

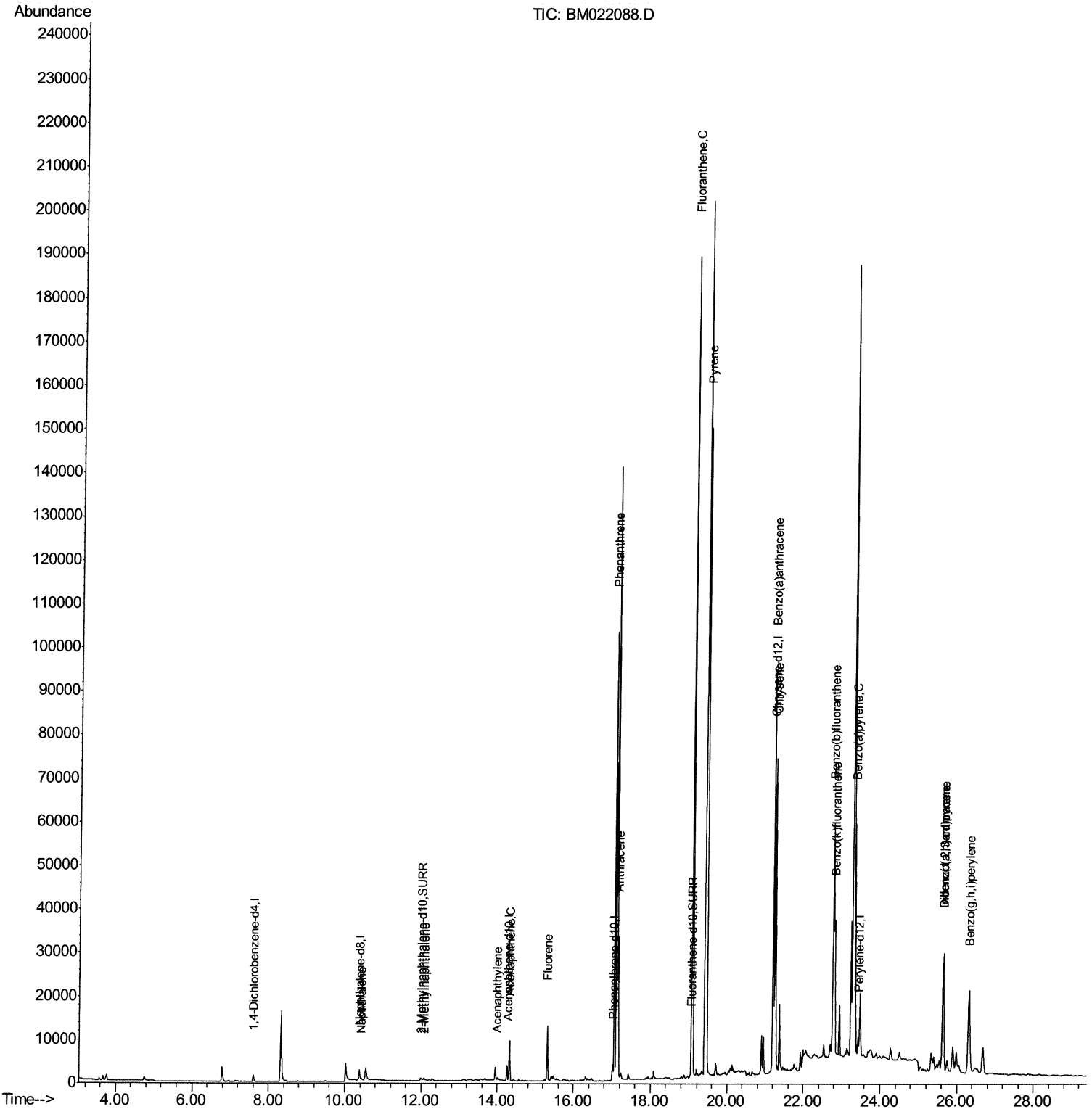
Quantitation Report (QT Reviewed)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:38:42 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

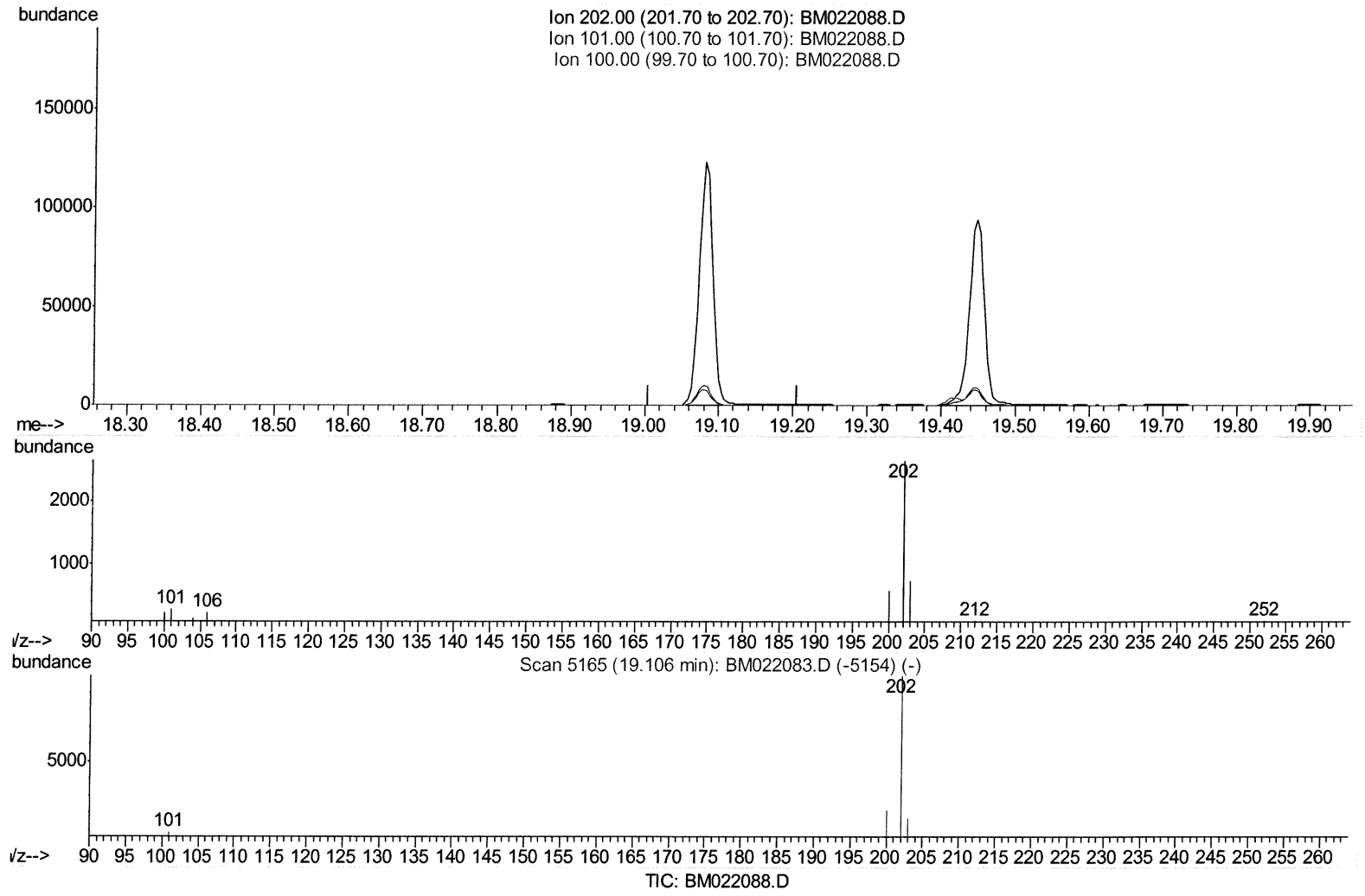
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:36:22 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



(15) Fluoranthene (C)

19.106min (-19.106) 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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

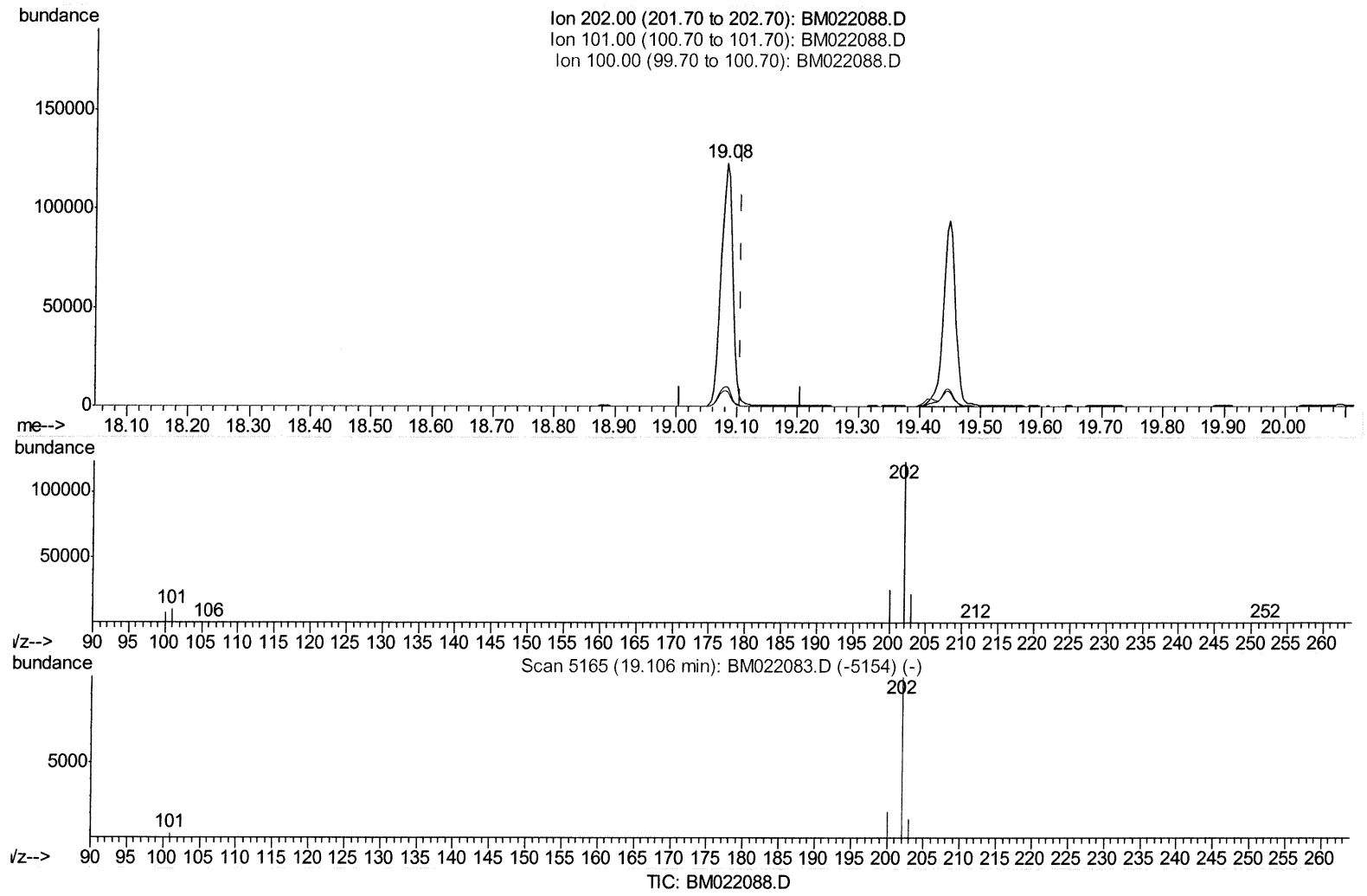
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:36:22 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



(15) Fluoranthene (C)

19.081min (-0.025) 8.75ng/ul m JU 08/26/19

response 159833

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	8.31
100.00	8.10	6.54
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

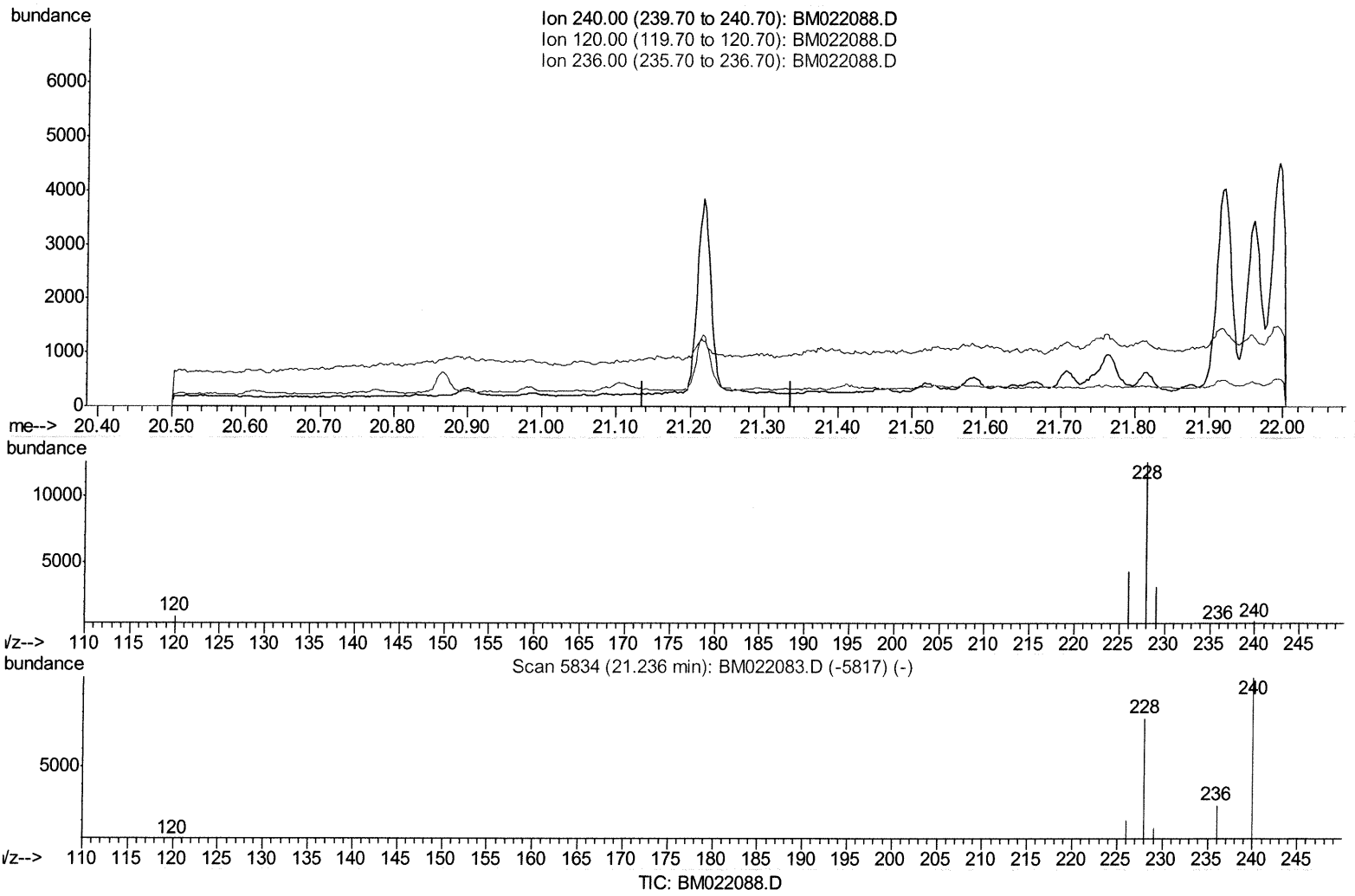
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:36:22 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



TIC: BM022088.D

(16) Chrysene-d12 (I)

21.236min (-21.236) 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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

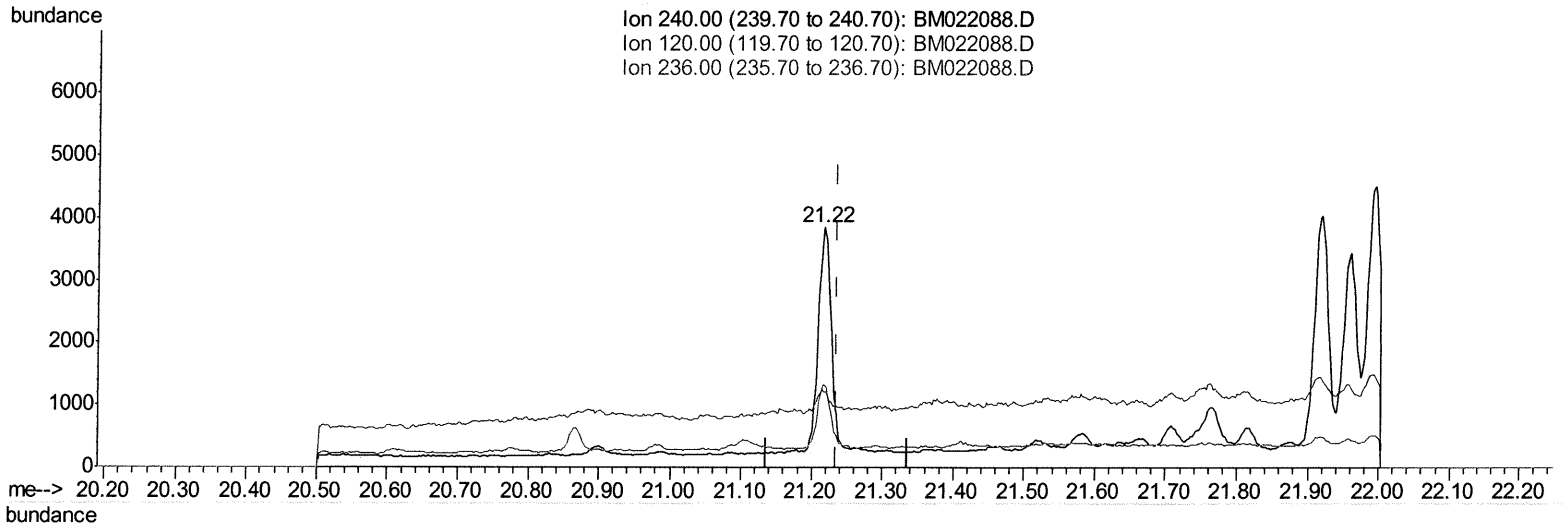
Quantitation Report (Qedit)

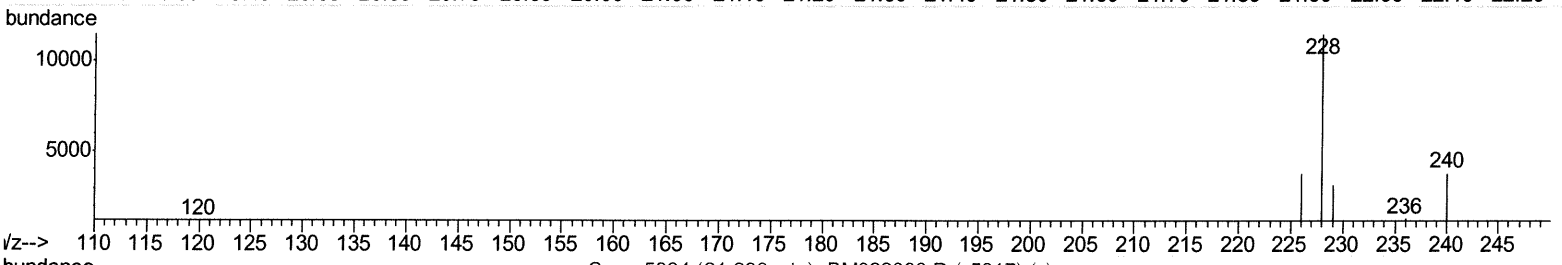
Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

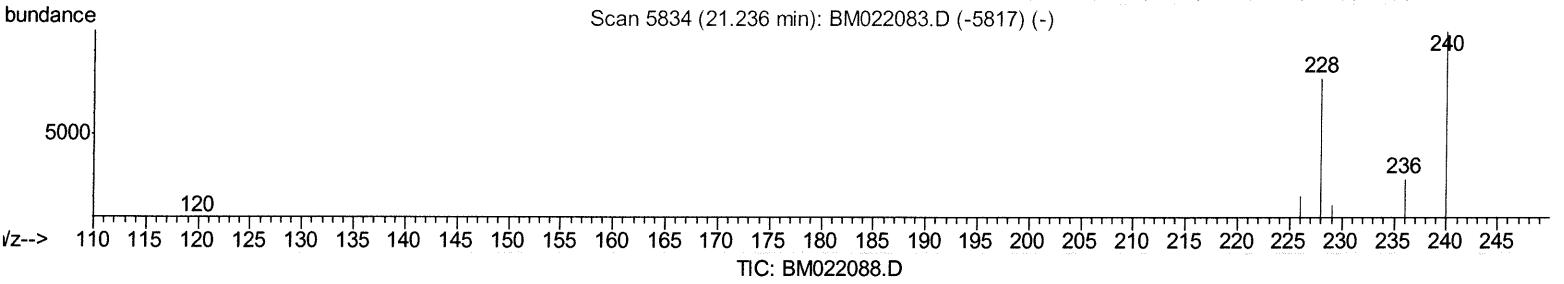
Quant Time: Aug 14 08:36:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM







TIC: BM022088.D

(16) Chrysene-d12 (I)

21.217min (-0.019) 0.40ng/ul m JU 08/26/19

response 4611

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	31.66#
236.00	32.30	34.65
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

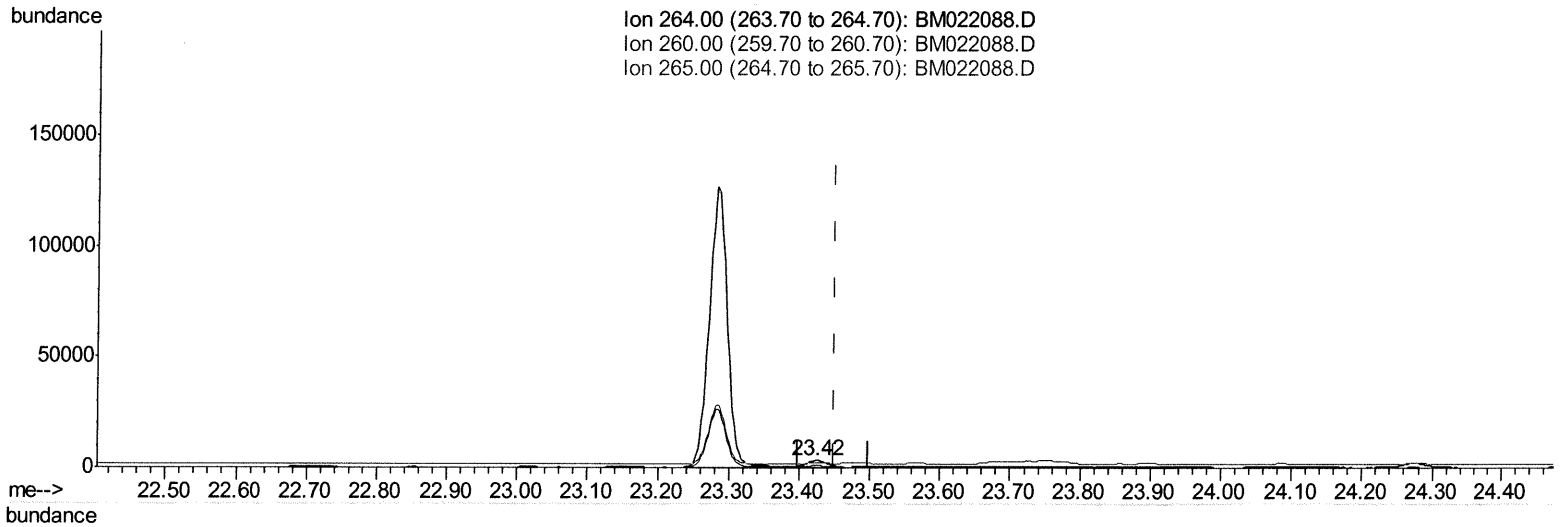
Quantitation Report (Qedit)

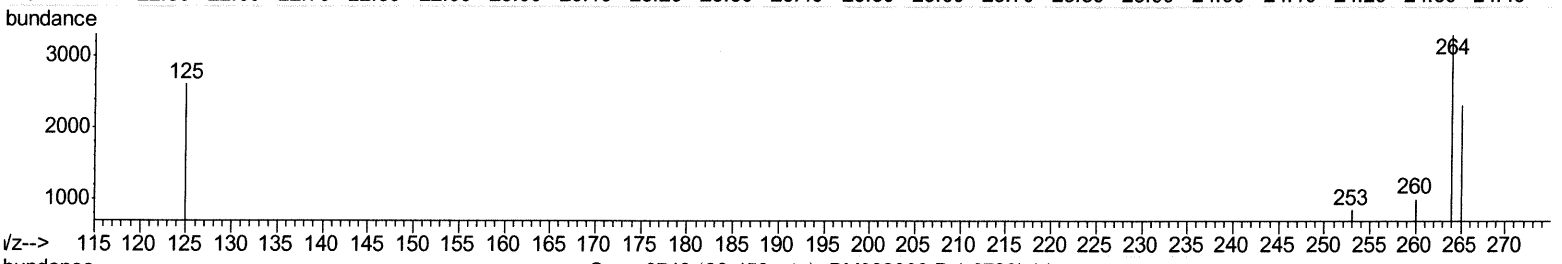
Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

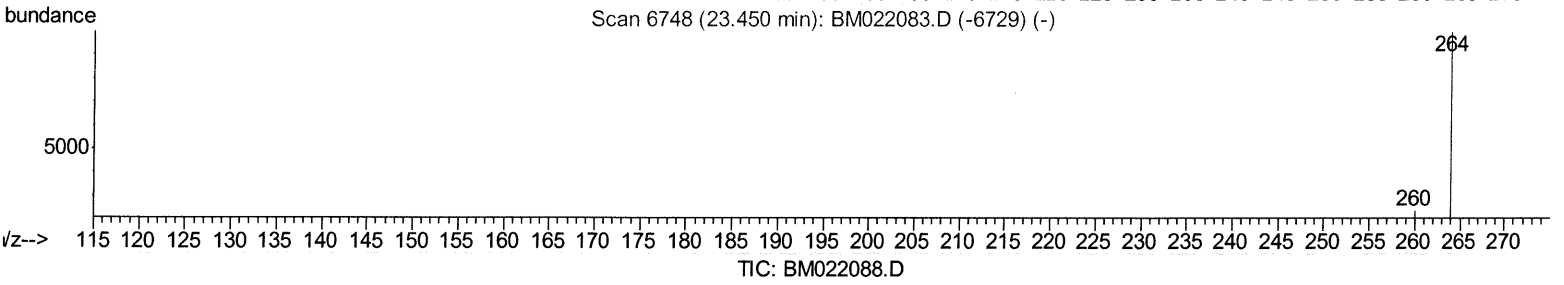
Quant Time: Aug 14 08:37:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM







(20) Perylene-d12 (I)

23.423min (-0.026) 0.40ng/ul

response 4908

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	30.26
265.00	117.00	70.28#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

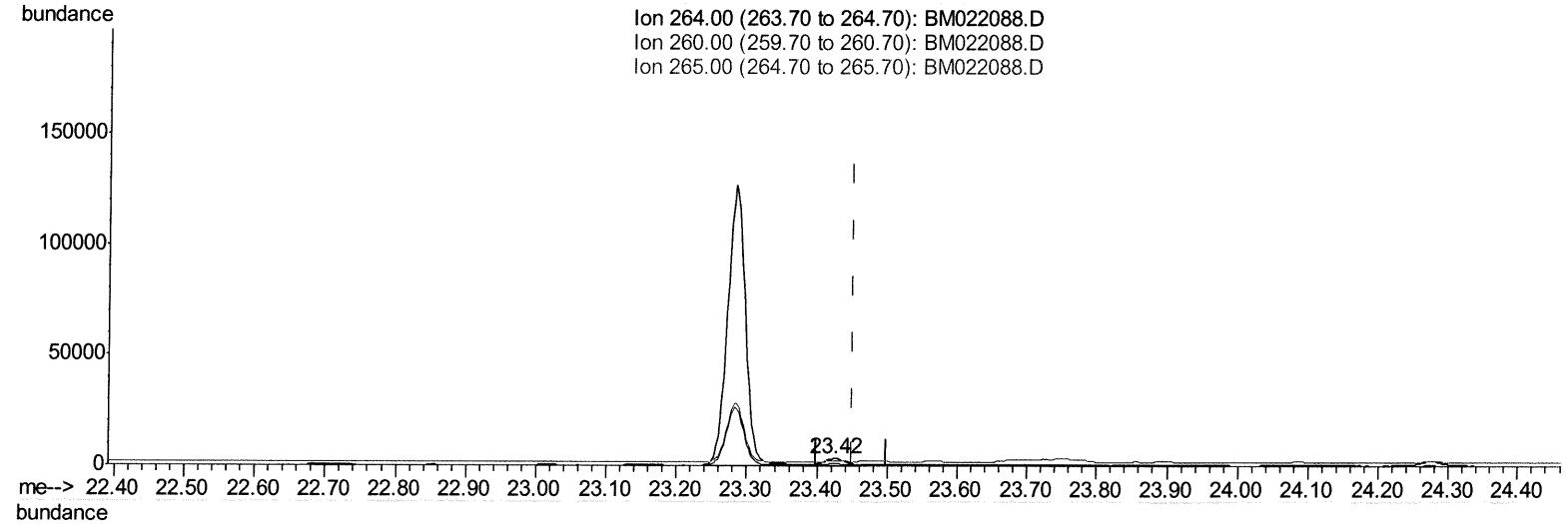
Quantitation Report (Qedit)

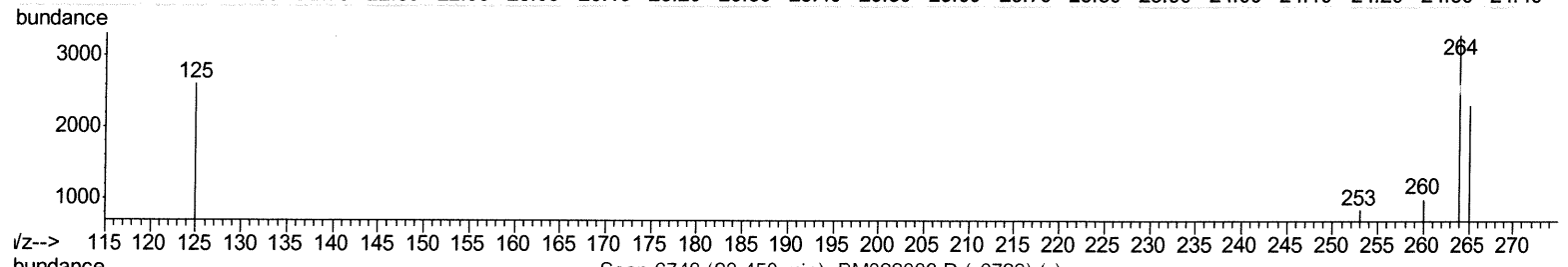
Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

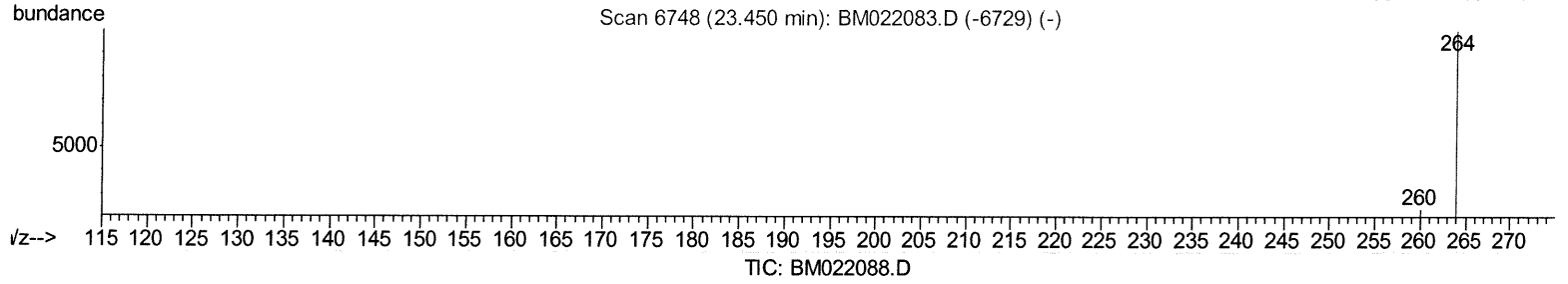
Quant Time: Aug 14 08:37:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM







TIC: BM022088.D

(20) Perylene-d12 (I)

23.423min (-0.026) 0.40ng/ul m JU 08/26/19

response 5117

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	30.26
265.00	117.00	70.28#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

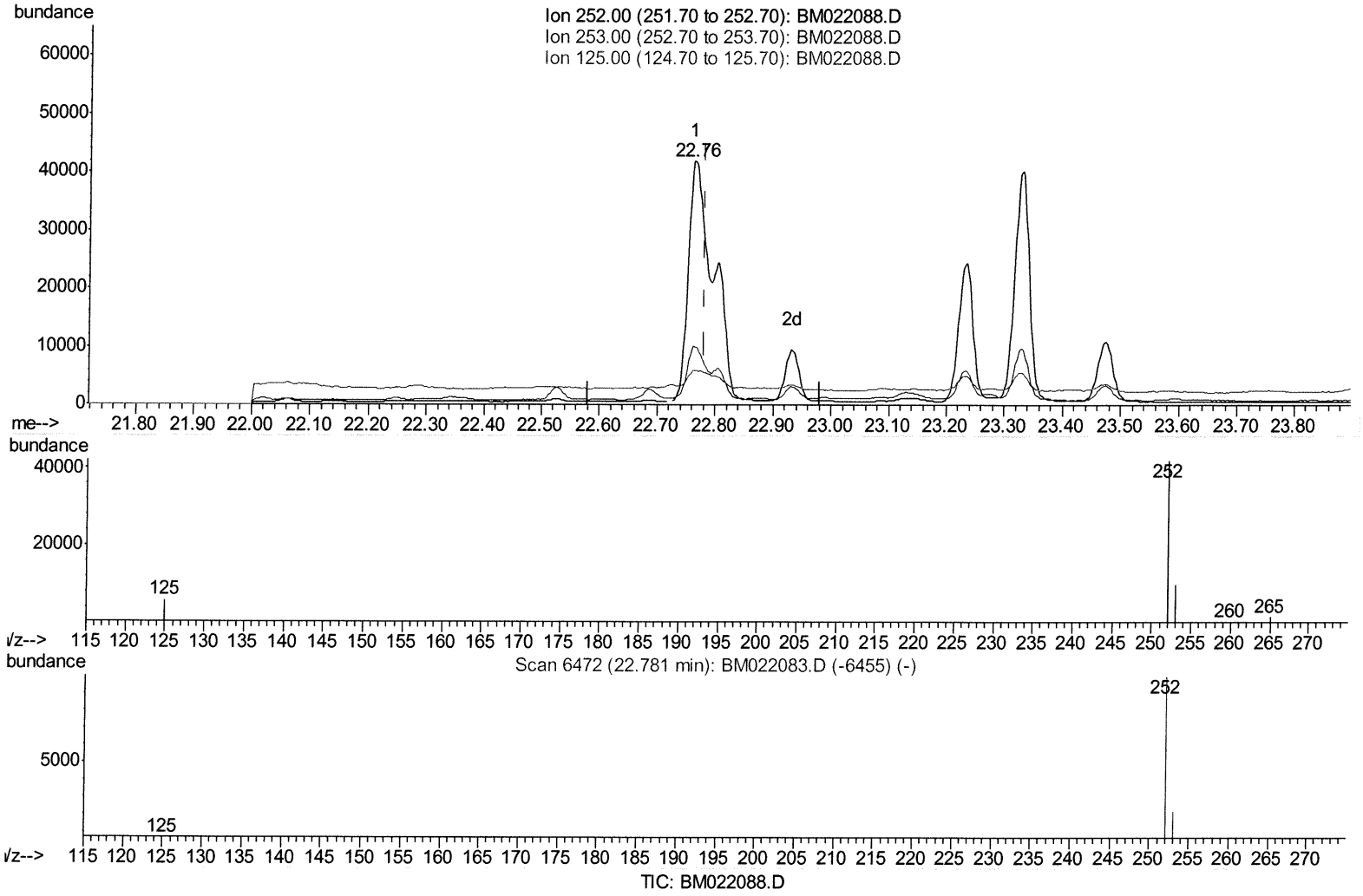
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:38:04 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



TIC: BM022088.D

(21) Benzo(b)fluoranthene

22.762min (-0.019) 7.24ng/ul

response 124875

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.98
125.00	15.50	13.90
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

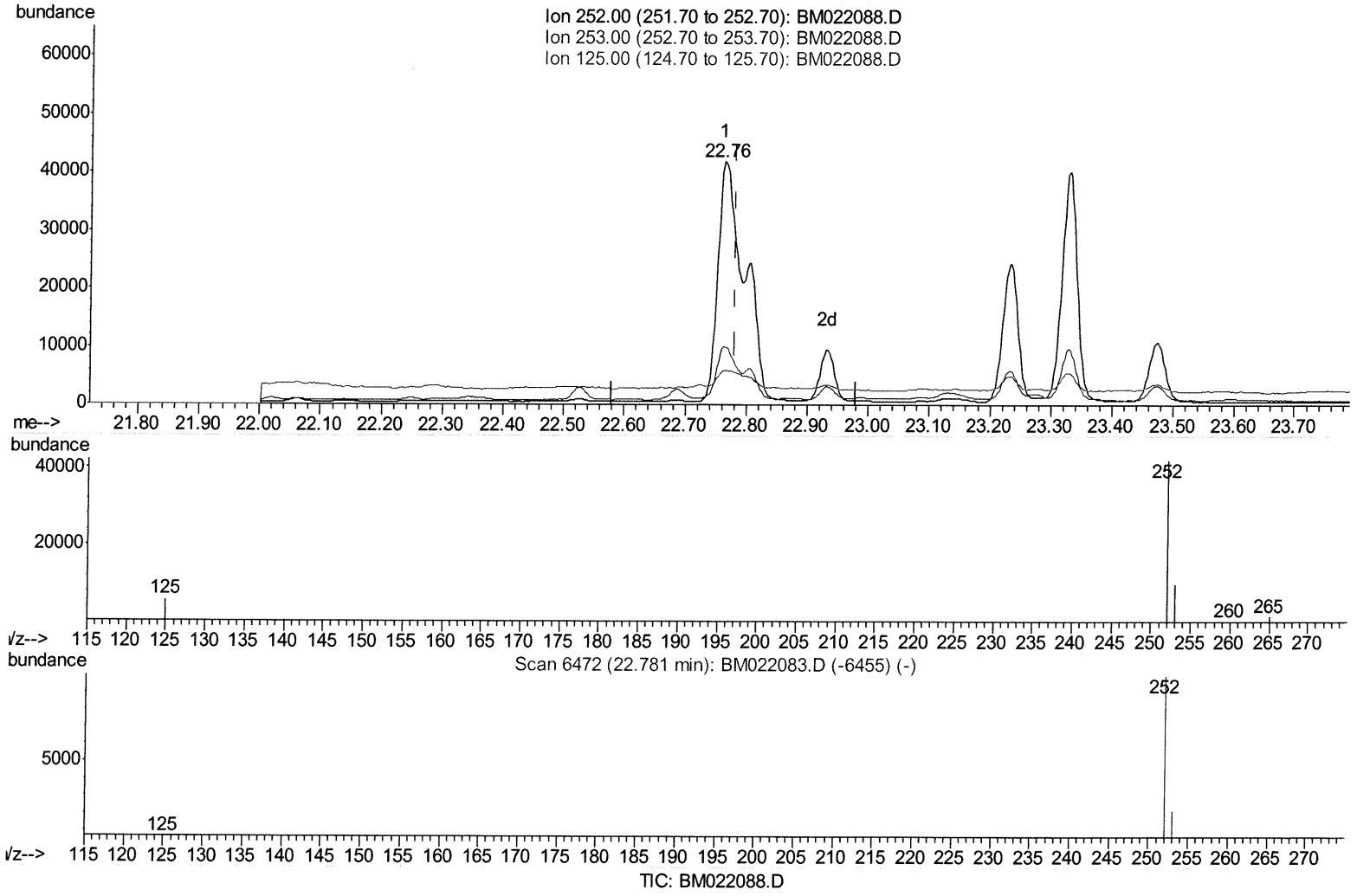
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:38:04 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



TIC: BM022088.D

(21) Benzo(b)fluoranthene JU 08/26/19

22.762min (-0.019) 5.32ng/ul m

response 91856

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.98
125.00	15.50	13.90
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

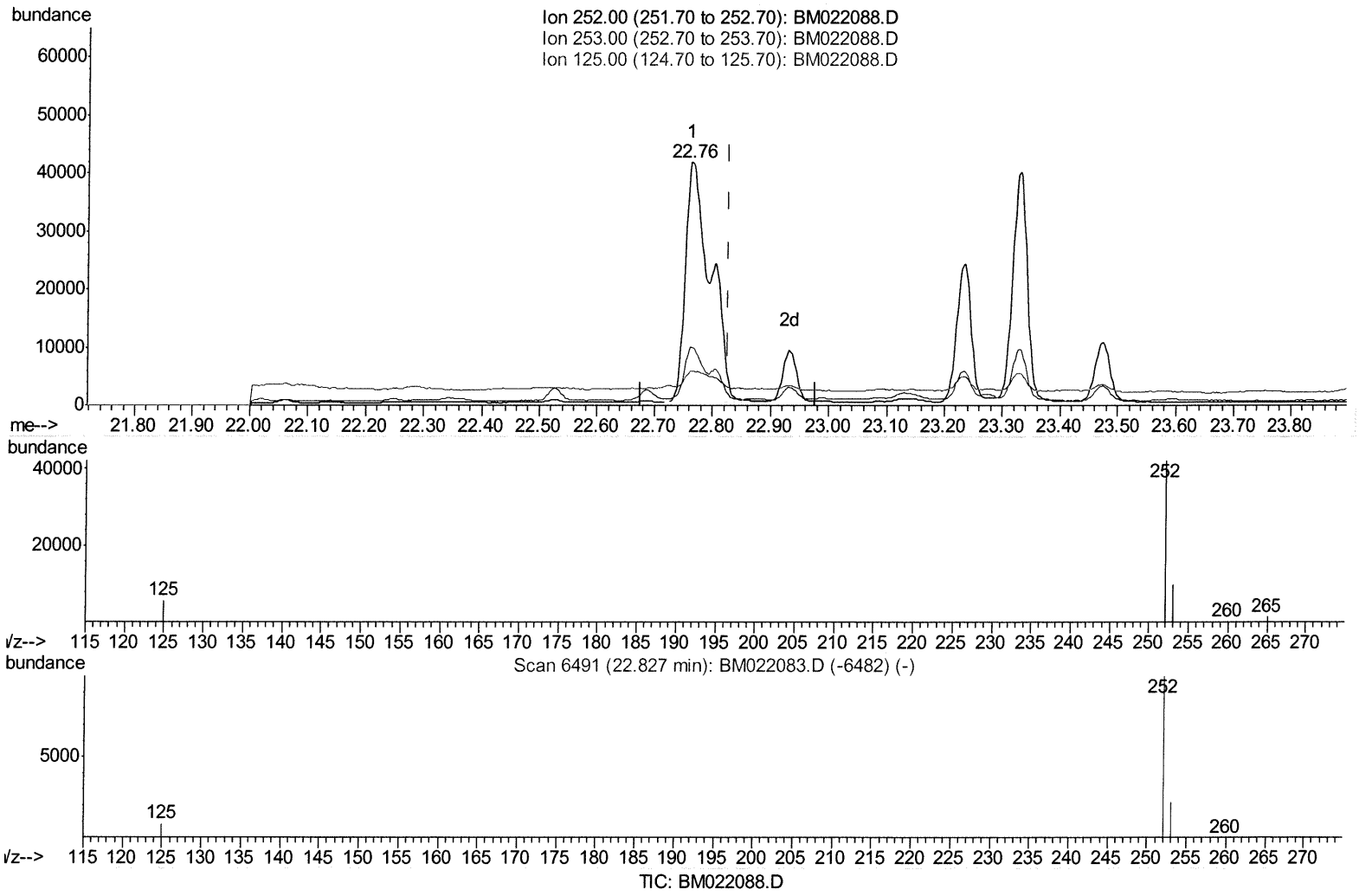
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:38:04 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



TIC: BM022088.D

(22) Benzo(k)fluoranthene

22.762min (-0.065) 6.39ng/ul

response 124875

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	23.98#
125.00	15.20	13.90
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

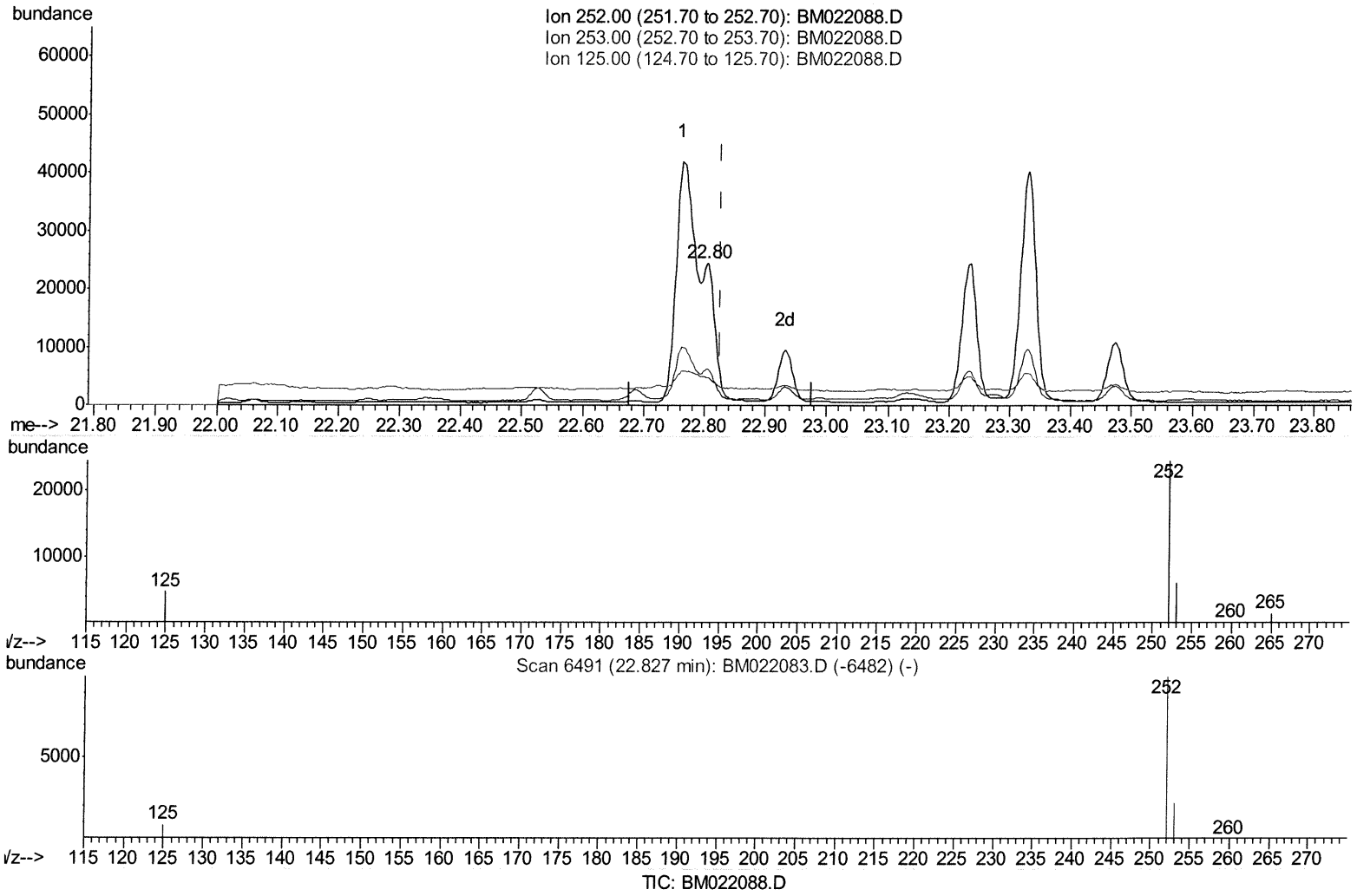
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:38:04 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



(22) Benzo(k)fluoranthene JU 08/26/19

22.803min (-0.024) 1.95ng/ul m

response 38067

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	25.49#
125.00	15.20	19.88#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

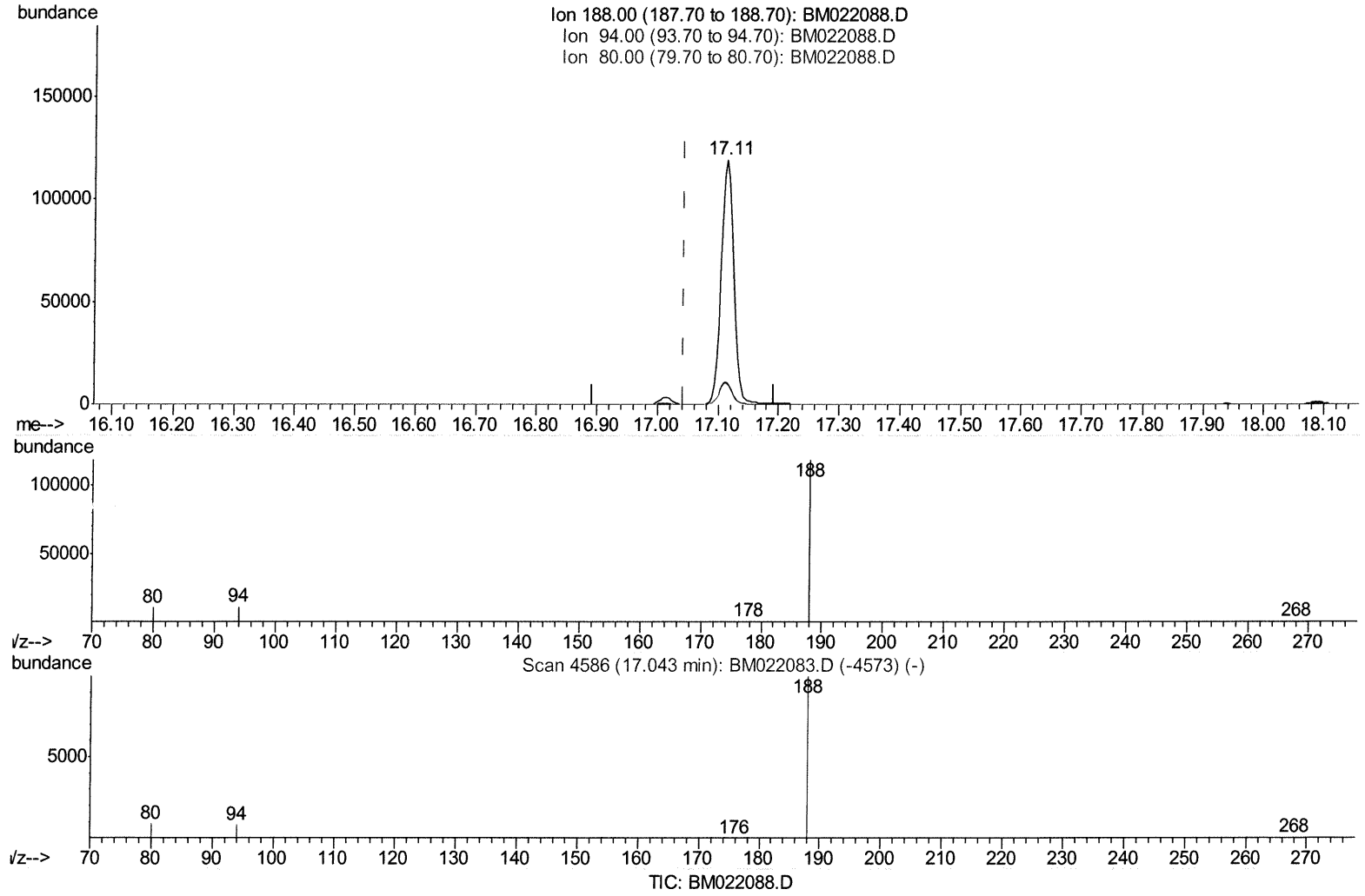
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:19:58 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



TIC: BM022088.D

(10) Phenanthrene-d10 (I)

17.114min (+0.071) 0.40ng/ul

response 168633

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.20
80.00	11.40	8.69#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

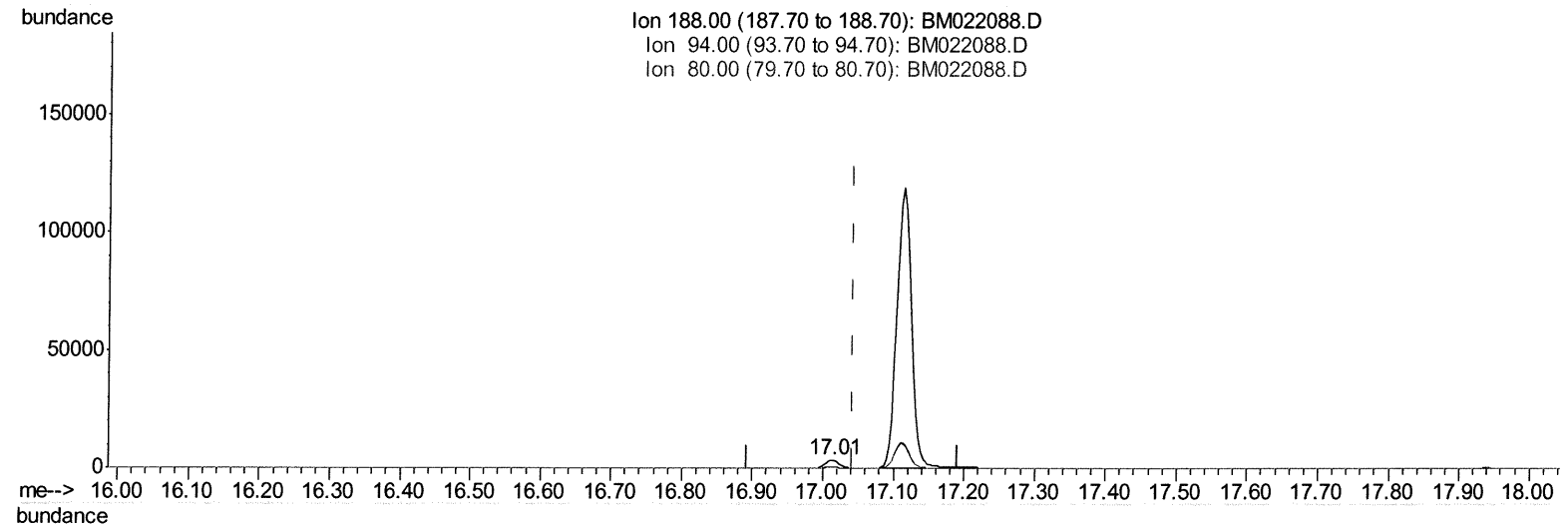
Quantitation Report (Qedit)

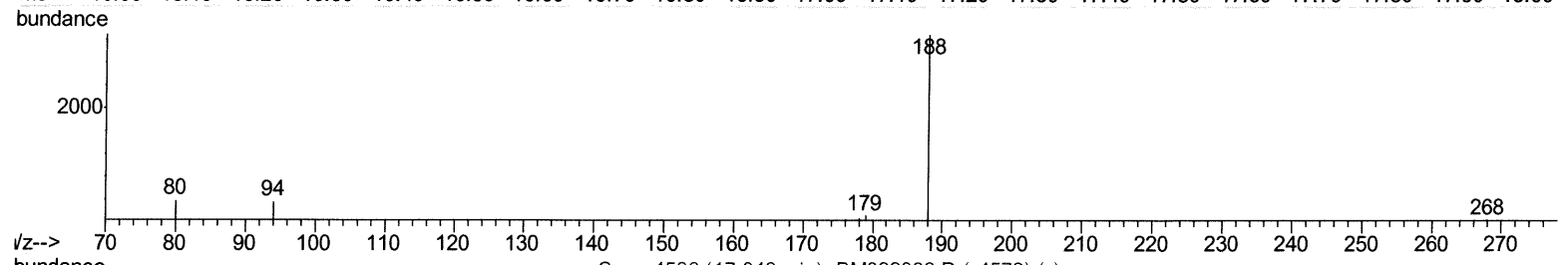
Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

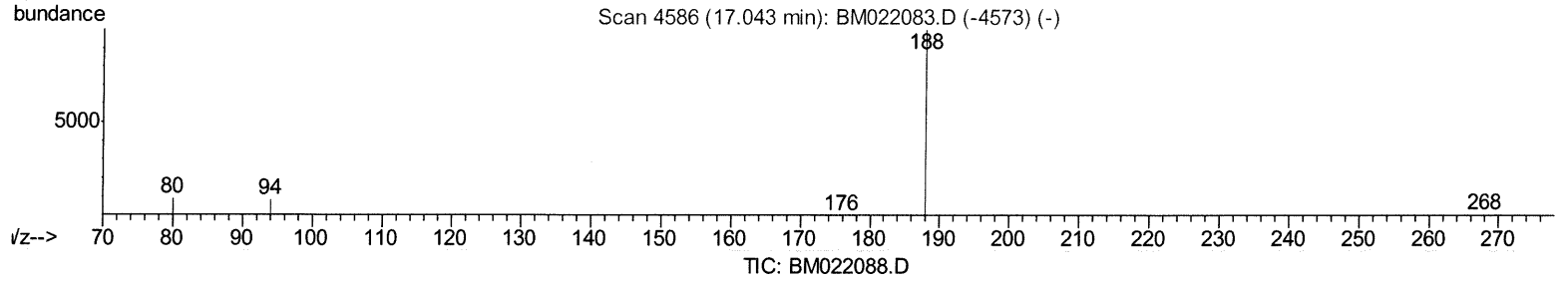
Quant Time: Aug 14 08:19:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM







(10) Phenanthrene-d10 (I)

17.013min (-0.030) 0.40ng/ul m JU 08/26/19

response 4687

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	11.17
80.00	11.40	11.83
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

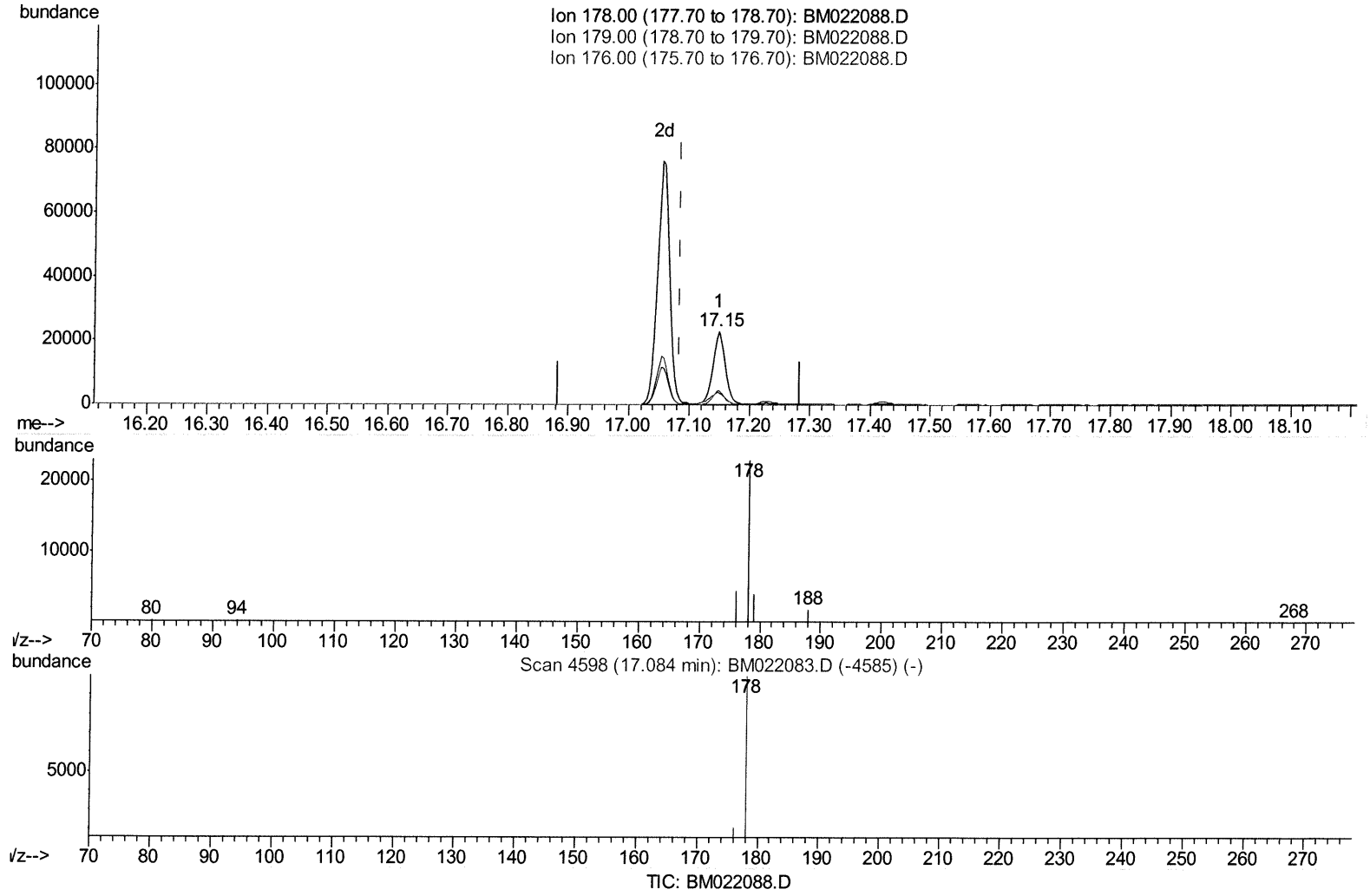
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:36:22 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



TIC: BM022088.D

(12) Phenanthrene

17.148min (+0.064) 2.37ng/ul

response 32360

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	17.19
176.00	21.00	19.31
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

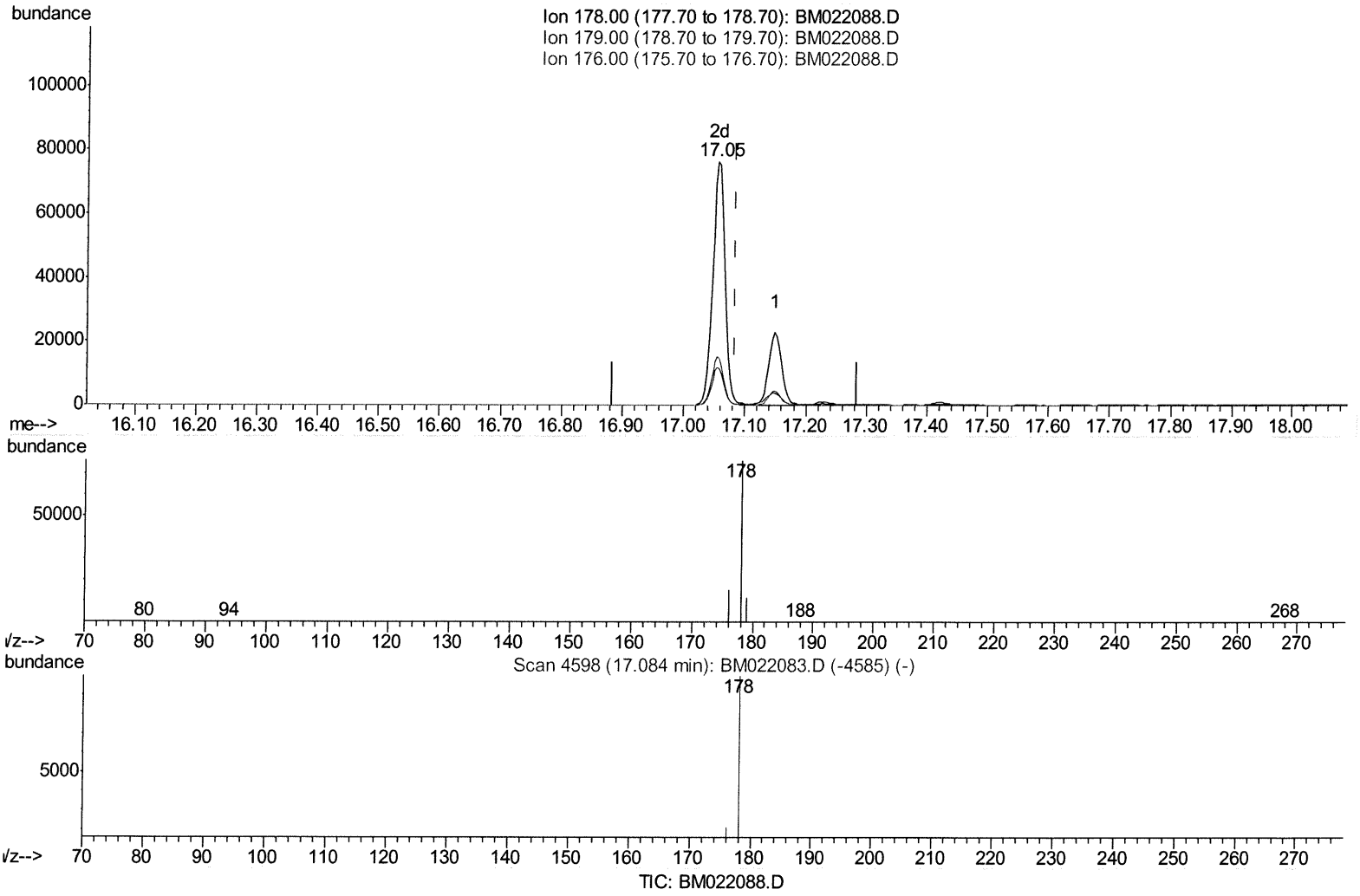
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:36:22 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



TIC: BM022088.D

(12) Phenanthrene

17.055min (-0.030) 7.89ng/ul m JU 08/26/19

response 107550

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.30
176.00	21.00	20.02
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

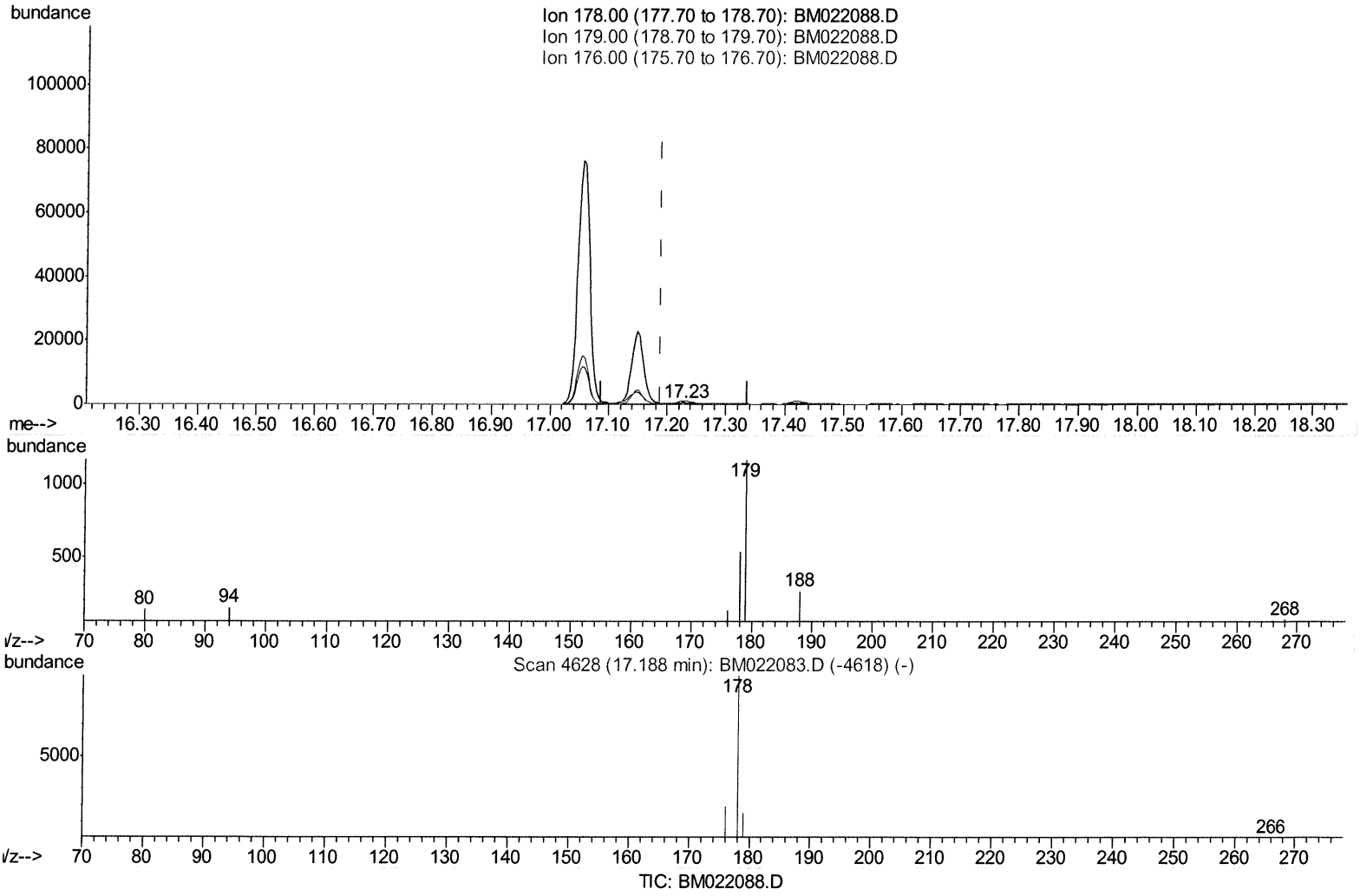
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:36:22 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



(13) Anthracene

17.228min (+0.040) 0.08ng/ul

response 882

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	216.67#
176.00	20.80	24.63
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

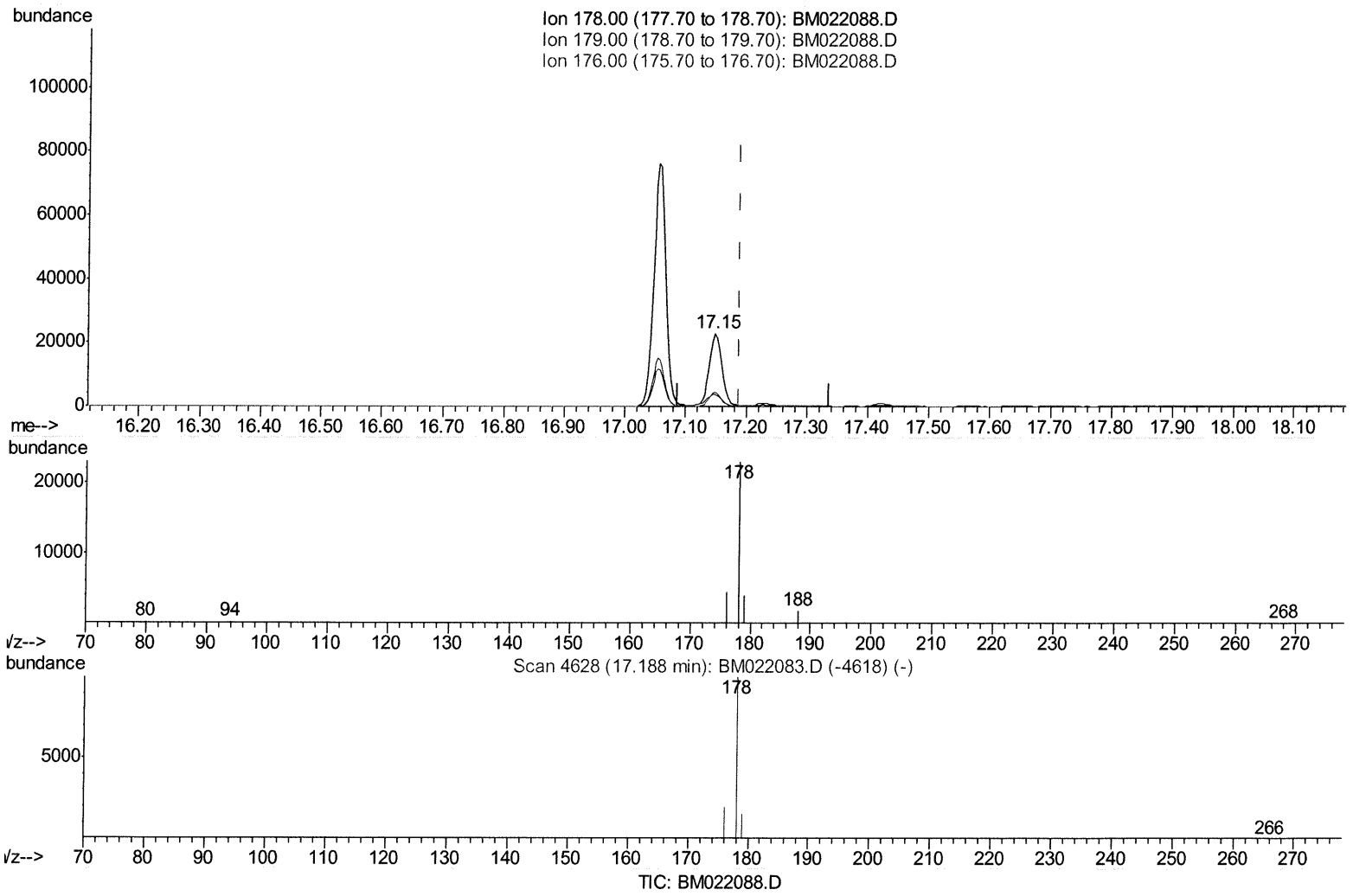
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:36:22 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



(13) Anthracene

17.148min (-0.040) 2.76ng/ul m JU 08|26|19

response 32138

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	17.19
176.00	20.80	19.31
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

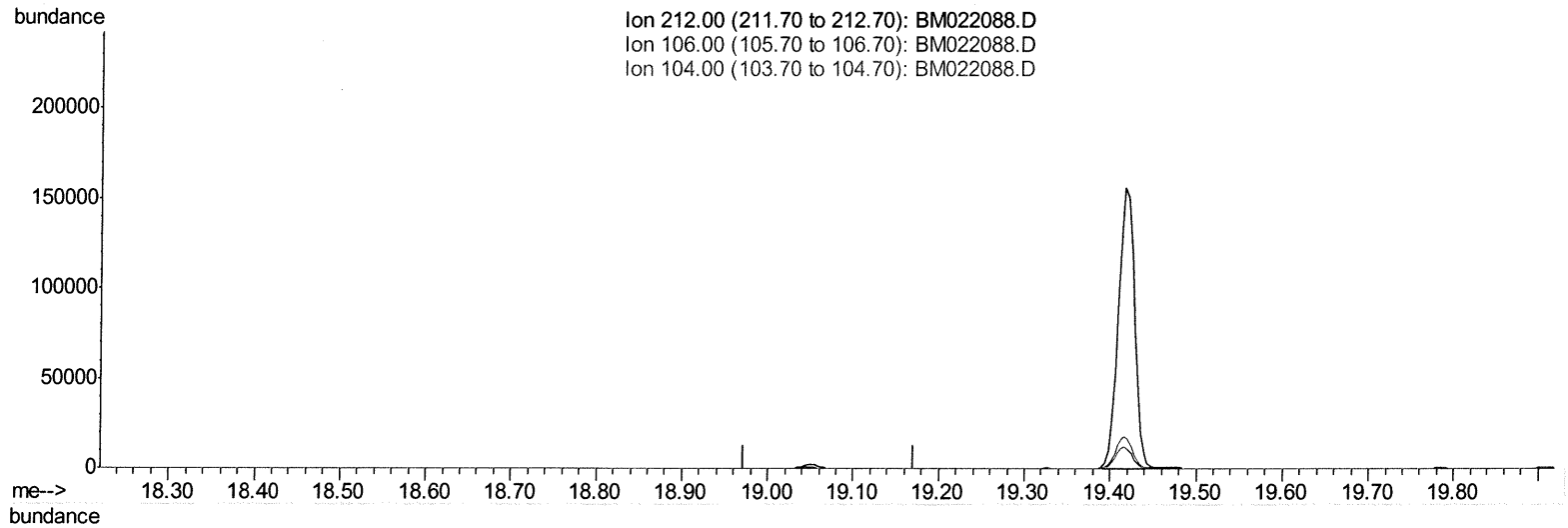
Quantitation Report (Qedit)

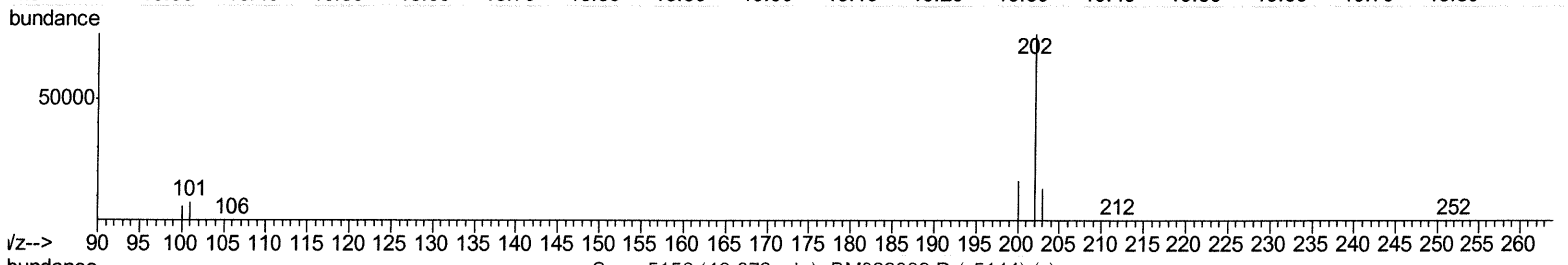
Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

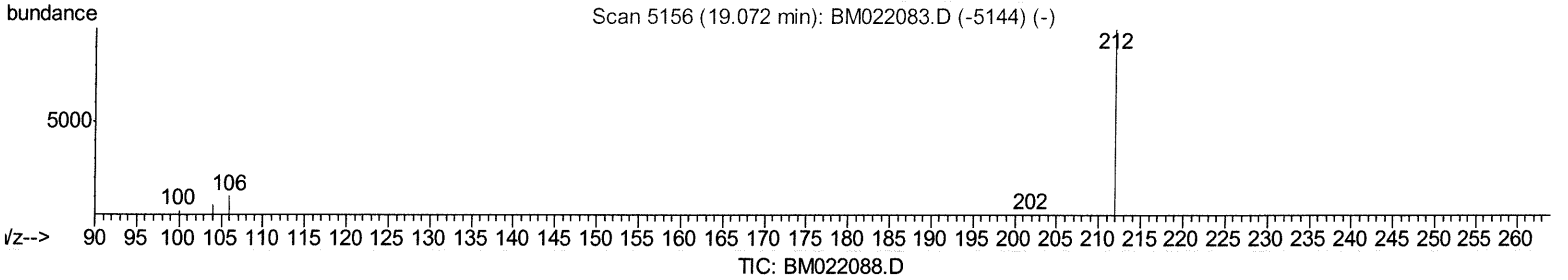
Quant Time: Aug 14 08:36:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM







(14) Fluoranthene-d10 (SURR)

19.072min (-19.072) 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\

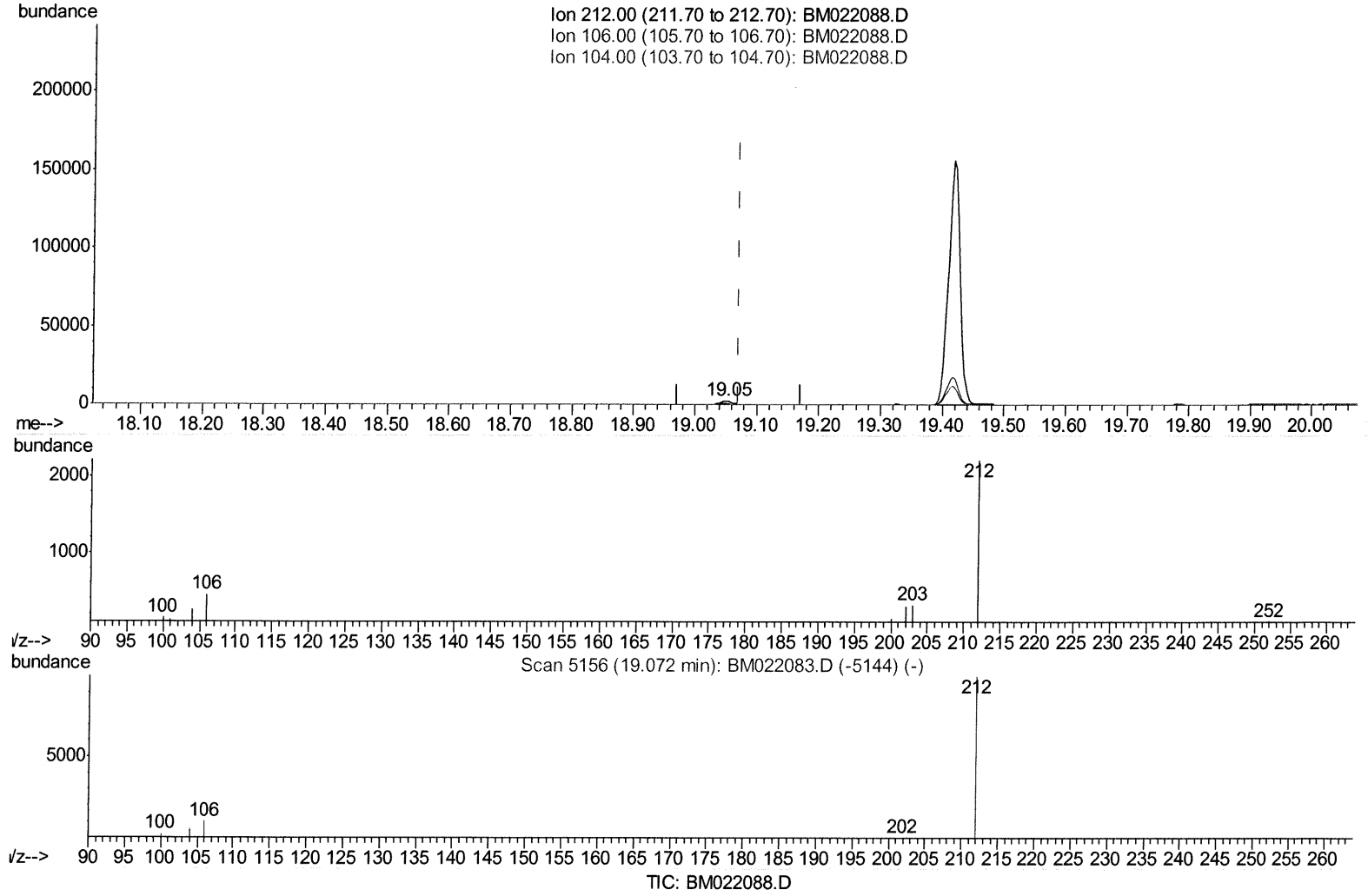
Quantitation Report (Qedit)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 14 08:36:22 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 08:16:48 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM



TIC: BM022088.D

(14) Fluoranthene-d10 (SURR)

19.051min (-0.021) 0.19ng/ul m JU 08/26/19

response 3068

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081219\

Quantitation Report (QT Reviewed)

Data File : BM022088.D
Acq On : 14 Aug 2019 02:45
Operator : HP/JU
Sample : K4183-20
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AG5

Manual Integrations APPROVED
mohammad
8/15/2019 5:08:06 PM

Quant Time: Aug 14 08:38:42 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 08:16:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	814	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.38	136	3478	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.26	164	1934	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.01	188	4687m	0.40	ng/ul	-0.03
16) Chrysene-d12	21.22	240	4611m	0.40	ng/ul	-0.02
20) Perylene-d12	23.42	264	5117m	0.40	ng/ul	-0.03
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	932	0.16	ng/ul	-0.03
14) Fluoranthene-d10	19.05	212	3068m	0.19	ng/ul	-0.02
Target Compounds						Qvalue
3) Naphthalene	10.43	128	735	0.075	ng/ul#	83
5) 2-Methylnaphthalene	12.07	142	519	0.079	ng/ul	96
7) Acenaphthylene	13.98	152	555	0.062	ng/ul#	70
8) Acenaphthene	14.32	153	5484	0.743	ng/ul	97
9) Fluorene	15.32	166	8304	1.013	ng/ul	99
12) Phenanthrene	17.05	178	107550m	7.886	ng/ul	
13) Anthracene	17.15	178	32138m	2.763	ng/ul	
15) Fluoranthene	19.08	202	159833m	8.749	ng/ul	
17) Pyrene	19.45	202	133817	7.062	ng/ul	98
18) Benzo(a)anthracene	21.20	228	76796	4.656	ng/ul	99
19) Chrysene	21.25	228	68115	3.211	ng/ul	98
21) Benzo(b)fluoranthene	22.76	252	91856m	5.323	ng/ul	
22) Benzo(k)fluoranthene	22.80	252	38067m	1.949	ng/ul	
23) Benzo(a)pyrene	23.33	252	69418	3.956	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.64	276	44178	2.108	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.63	278	10764	0.636	ng/ul#	84
26) Benzo(g,h,i)perylene	26.31	276	42458	2.251	ng/ul	99

JU 08/26/19

JU 08/26/19

JU 08/26/19

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