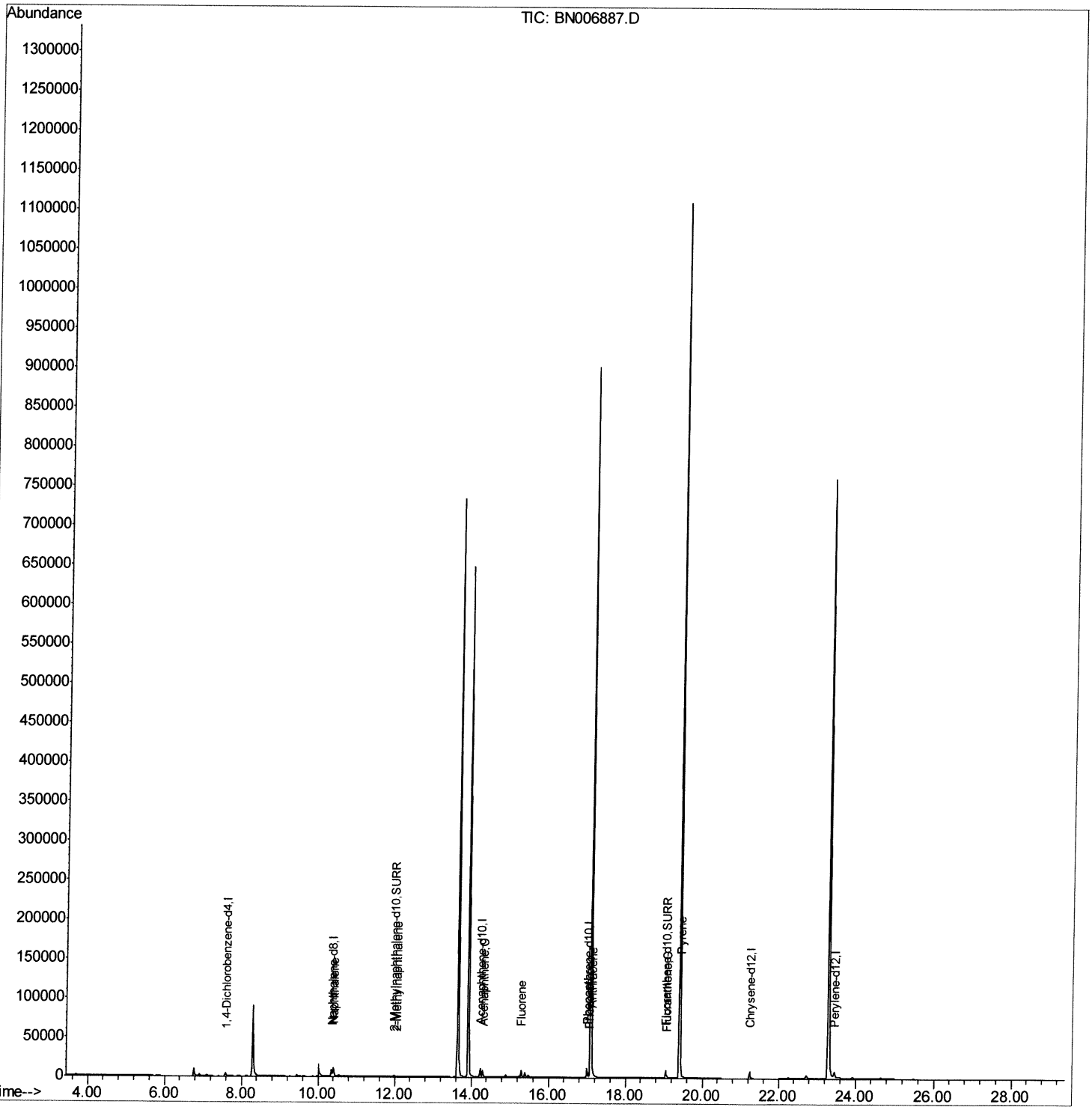
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:30:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



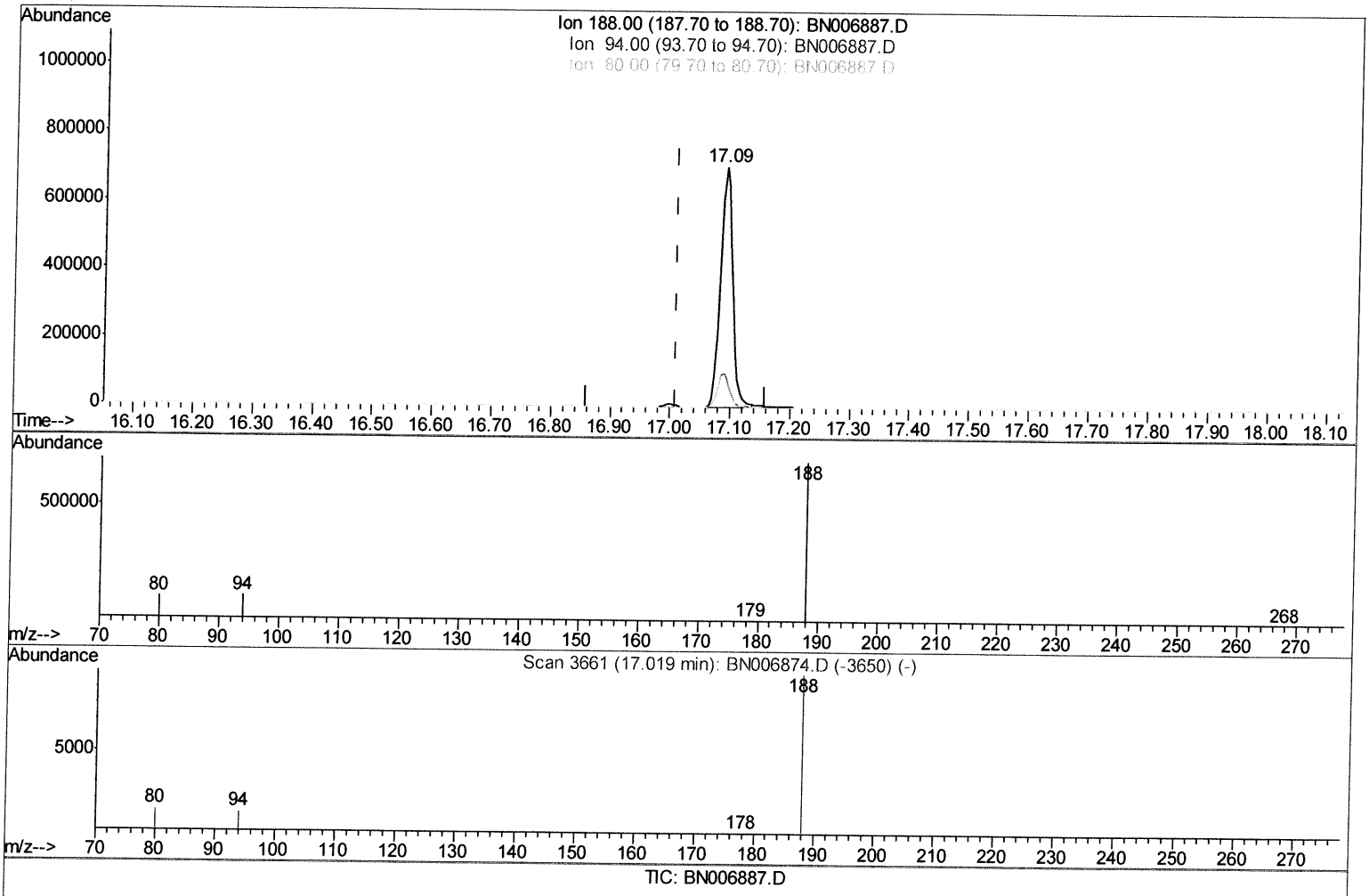
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:22:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



TIC: BN006887.D

(10) Phenanthrene-d10 (I)

17.090min (+0.080) 0.40ng/ul

response 982046

Ion	Exp%	Act%
188.00	100	100
94.00	13.70	14.14
80.00	14.80	13.55
0.00	0.00	0.00

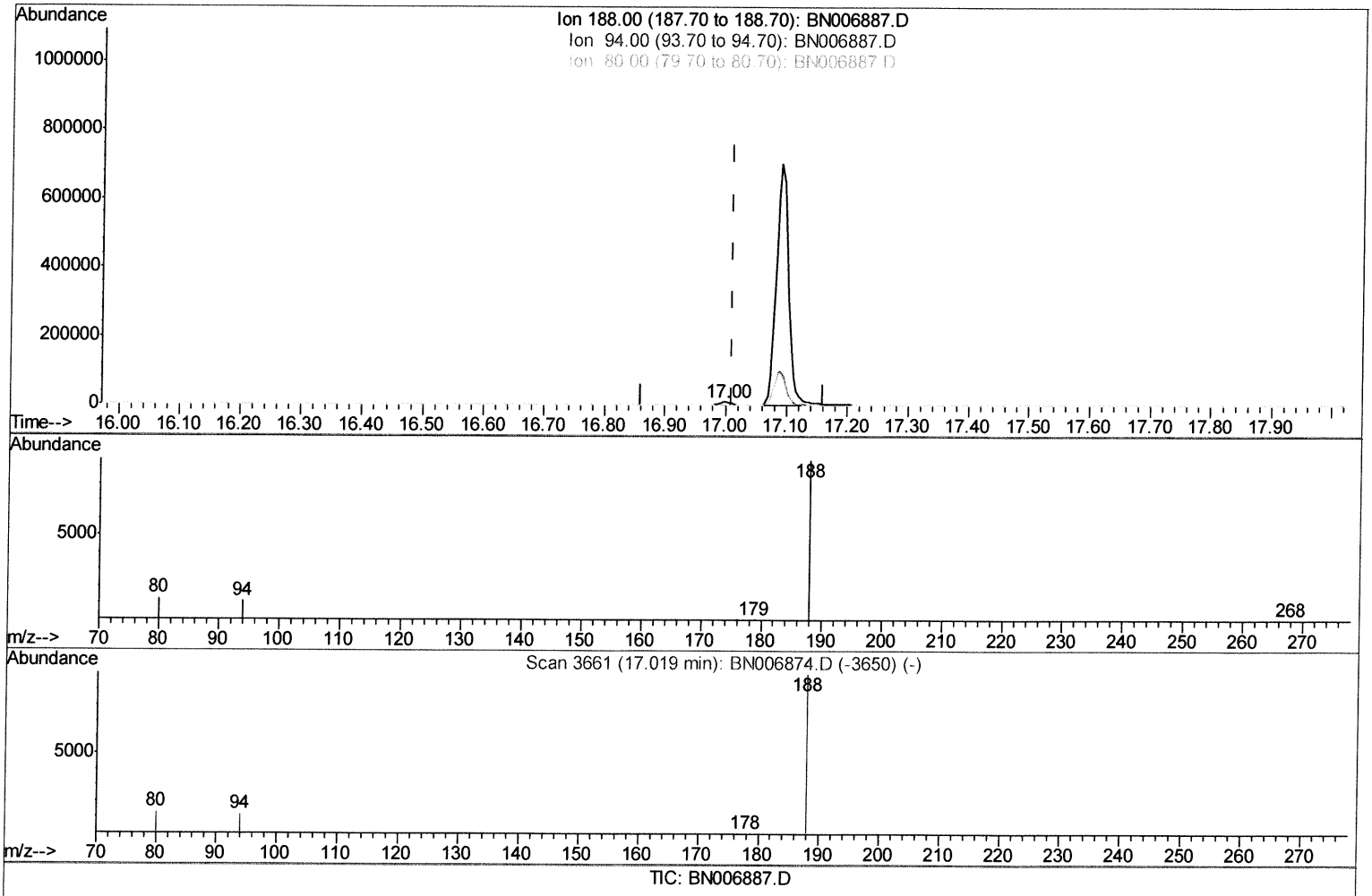
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:22:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



(10) Phenanthrene-d10 (I)

17.002min (-0.009) 0.40ng/ul m JU 07/19/19

response 13183

Ion	Exp%	Act%
188.00	100	100
94.00	13.70	11.97
80.00	14.80	13.69
0.00	0.00	0.00

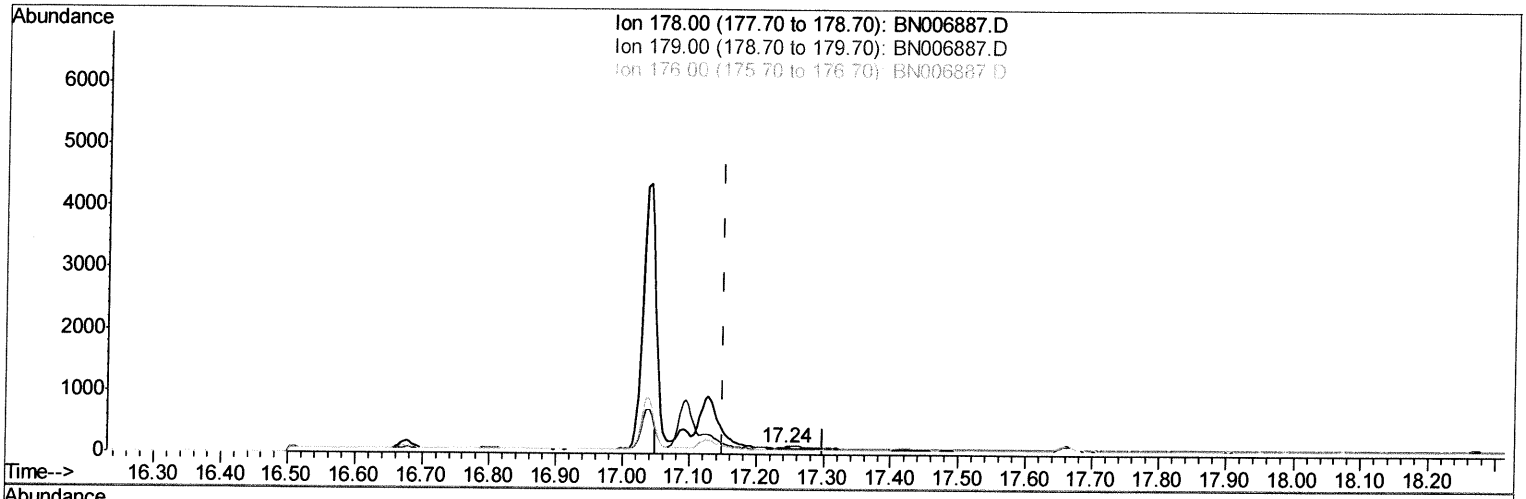
Quantitation Report (Qedit)

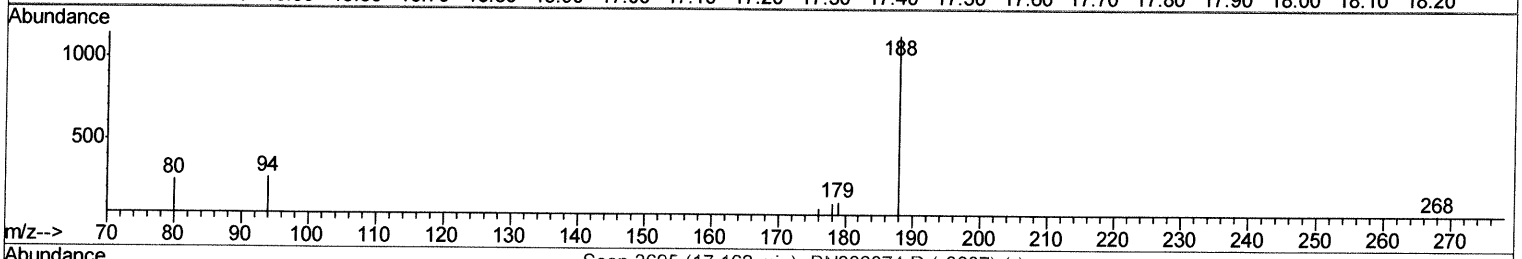
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

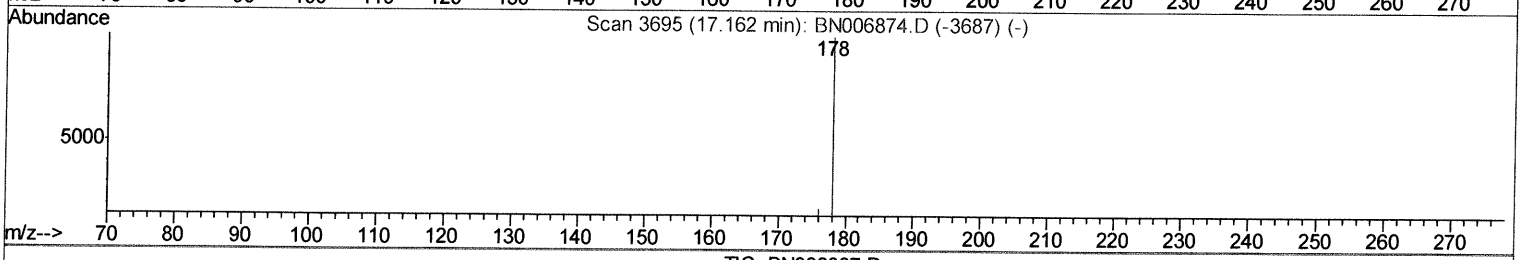
Quant Time: Jul 18 14:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM







TIC: BN006887.D

(13) Anthracene

17.242min (+0.093) 0.00ng/ul

response 57

Ion	Exp%	Act%
178.00	100	100
179.00	15.90	107.83#
176.00	19.70	71.30#
0.00	0.00	0.00

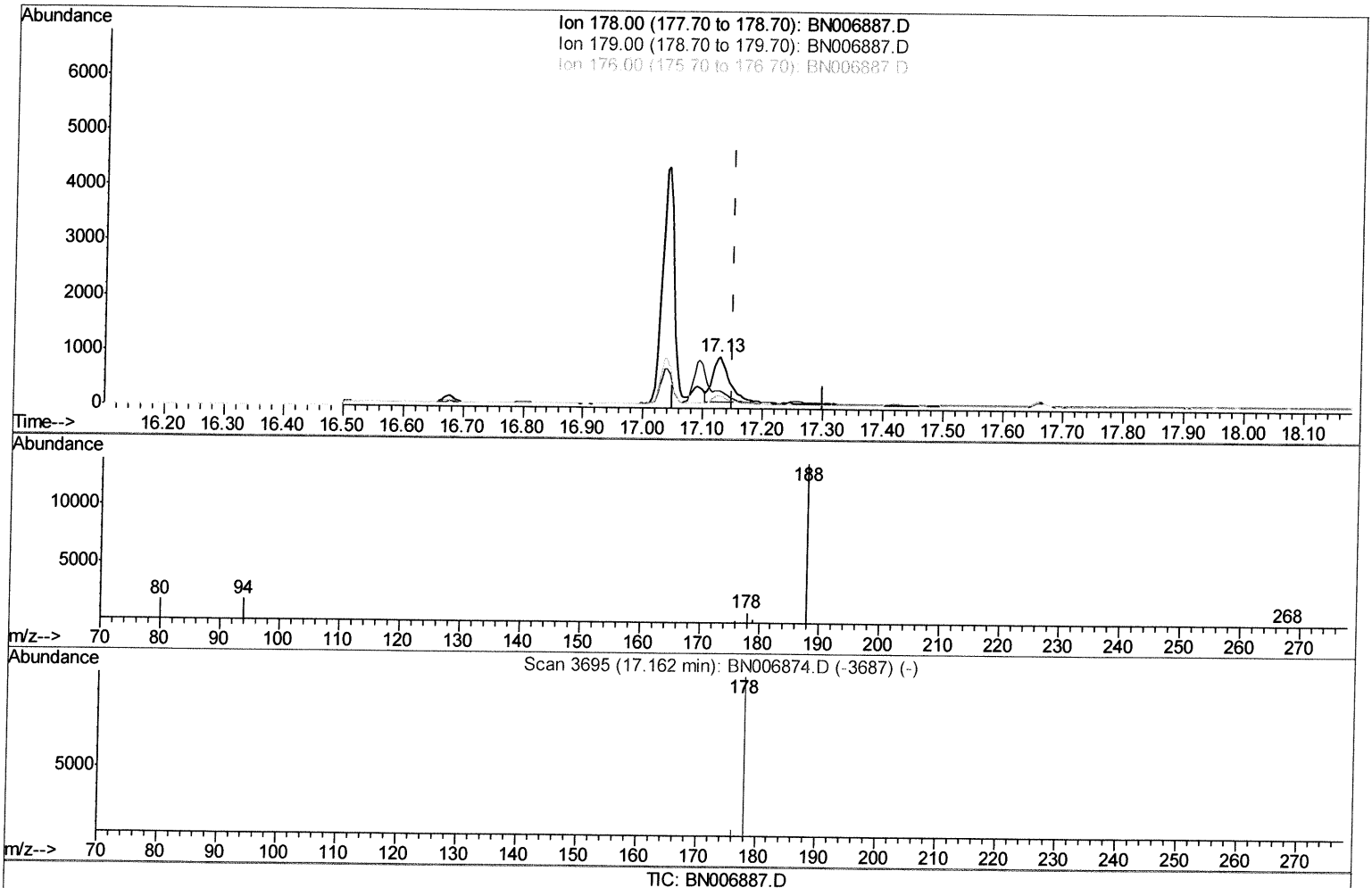
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



TIC: BN006887.D

(13) Anthracene

17.128min (-0.021) 0.04ng/ul m JU 07/19/19

response 1602

Ion	Exp%	Act%
178.00	100	100
179.00	15.90	34.18#
176.00	19.70	24.13#
0.00	0.00	0.00

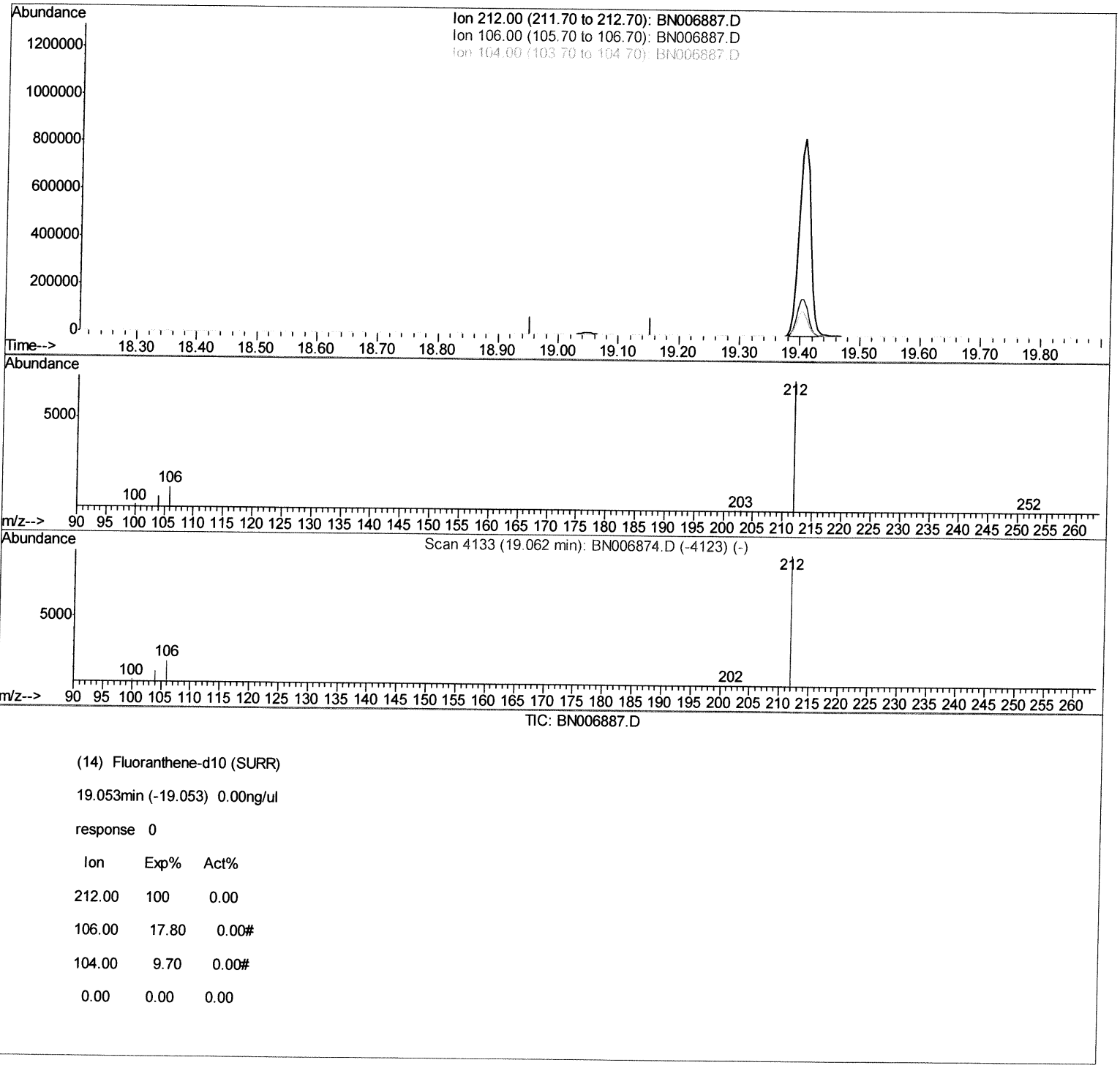
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



TIC: BN006887.D

(14) Fluoranthene-d10 (SURR)

19.053min (-19.053) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	17.80	0.00#
104.00	9.70	0.00#
0.00	0.00	0.00

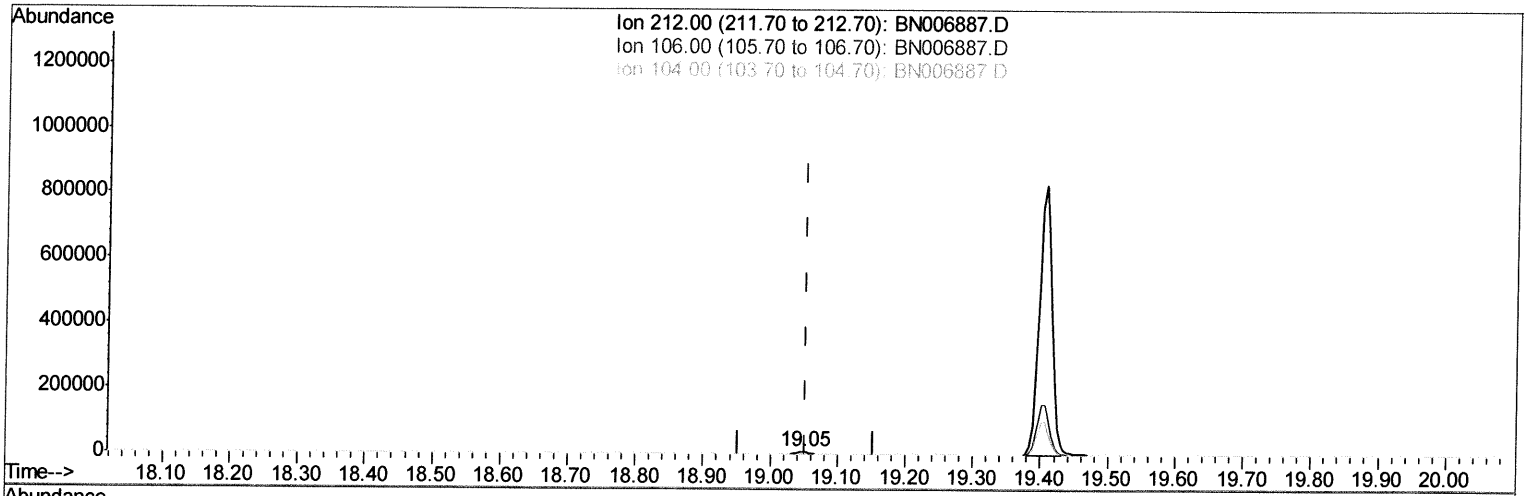
Quantitation Report (Qedit)

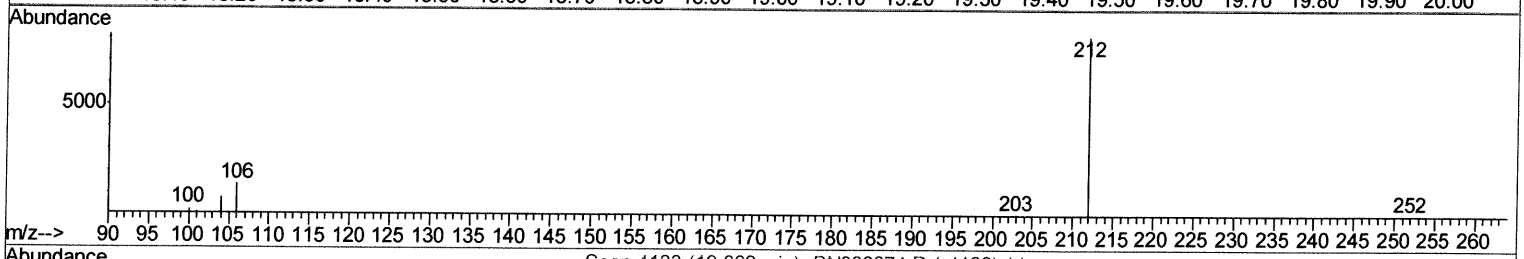
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

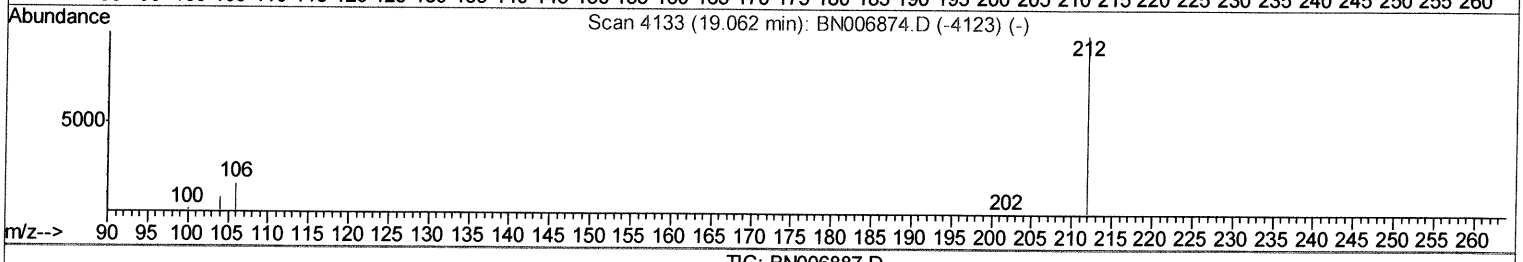
Quant Time: Jul 18 14:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM







TIC: BN006887.D

(14) Fluoranthene-d10 (SURR) JU 07/19/19

19.048min (-0.005) 0.32ng/ul m

response 12207

Ion	Exp%	Act%
212.00	100	100
106.00	17.80	0.00#
104.00	9.70	0.00#
0.00	0.00	0.00

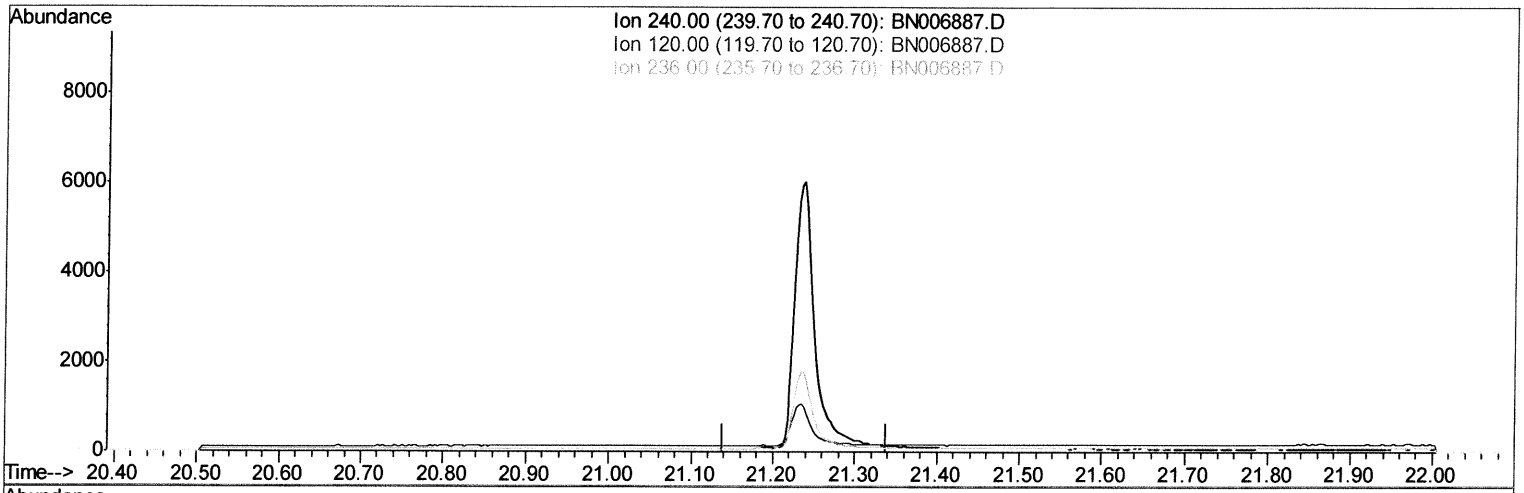
Quantitation Report (Qedit)

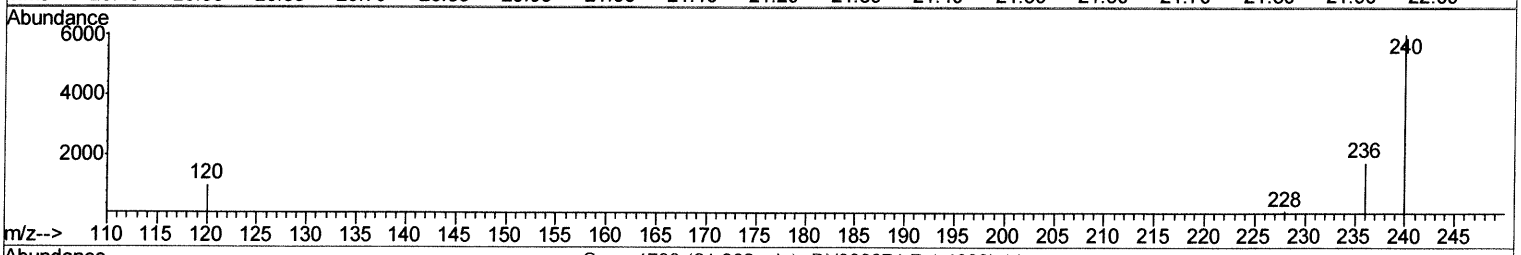
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

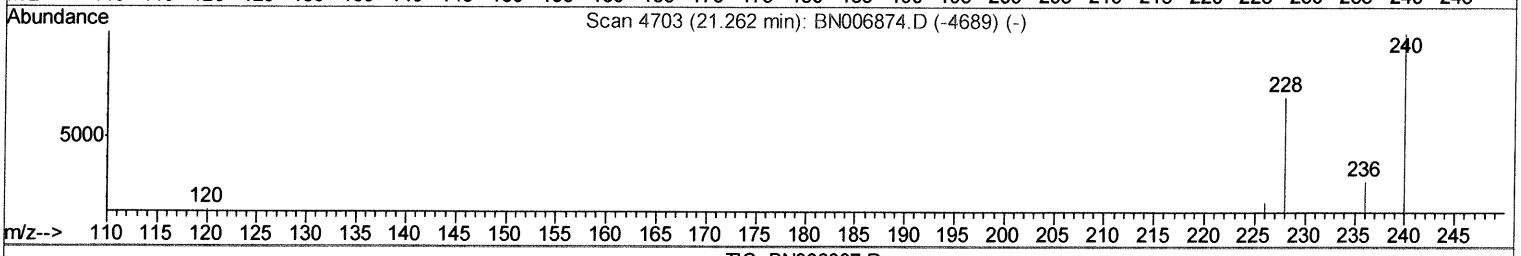
Quant Time: Jul 18 14:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM







TIC: BN006887.D

(16) Chrysene-d12 (I)

21.239min (-21.239) 0.00ng/ul

response 0

Ion	Exp%	Act%
240.00	100	0.00
120.00	20.20	0.00#
236.00	30.00	0.00#
0.00	0.00	0.00

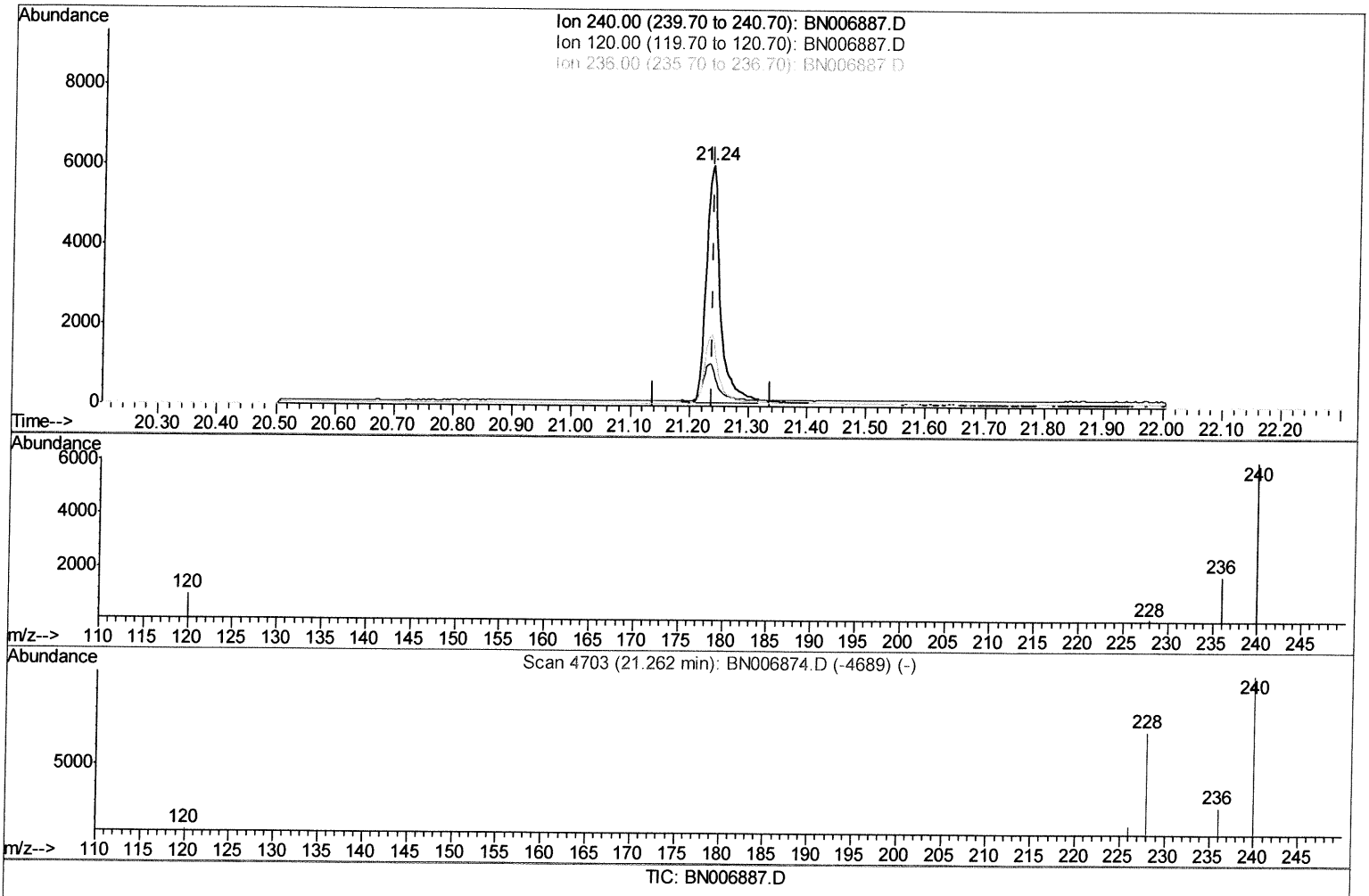
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:23:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



TIC: BN006887.D

(16) Chrysene-d12 (I)

21.238min (-0.001) 0.40ng/ul m JU 07/19/19

response 10092

Ion	Exp%	Act%
240.00	100	100
120.00	20.20	16.72
236.00	30.00	29.51
0.00	0.00	0.00

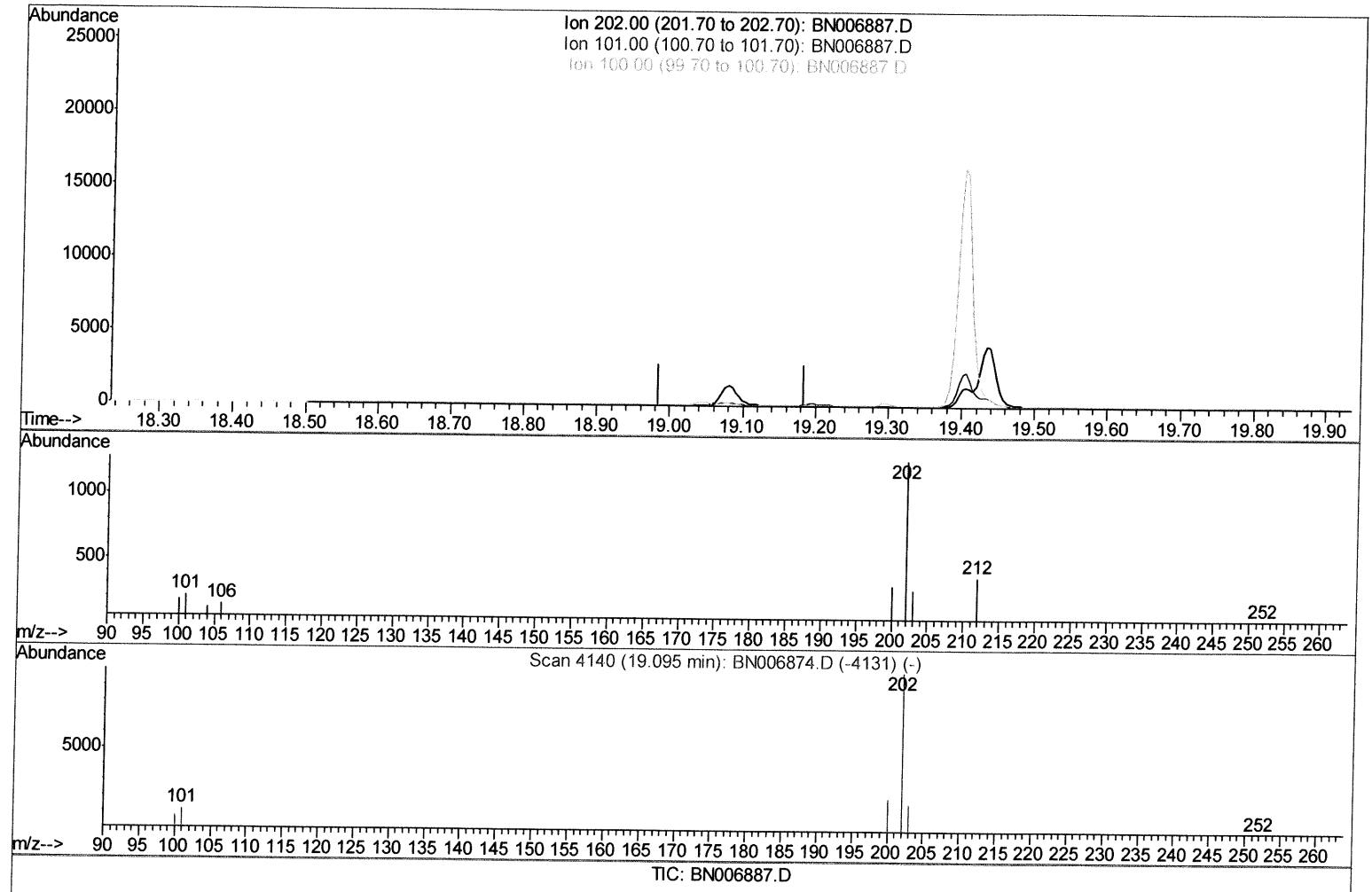
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:24:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



TIC: BN006887.D

(15) Fluoranthene (C)

19.086min (-19.086) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	13.20	0.00
100.00	9.90	0.00
0.00	0.00	0.00

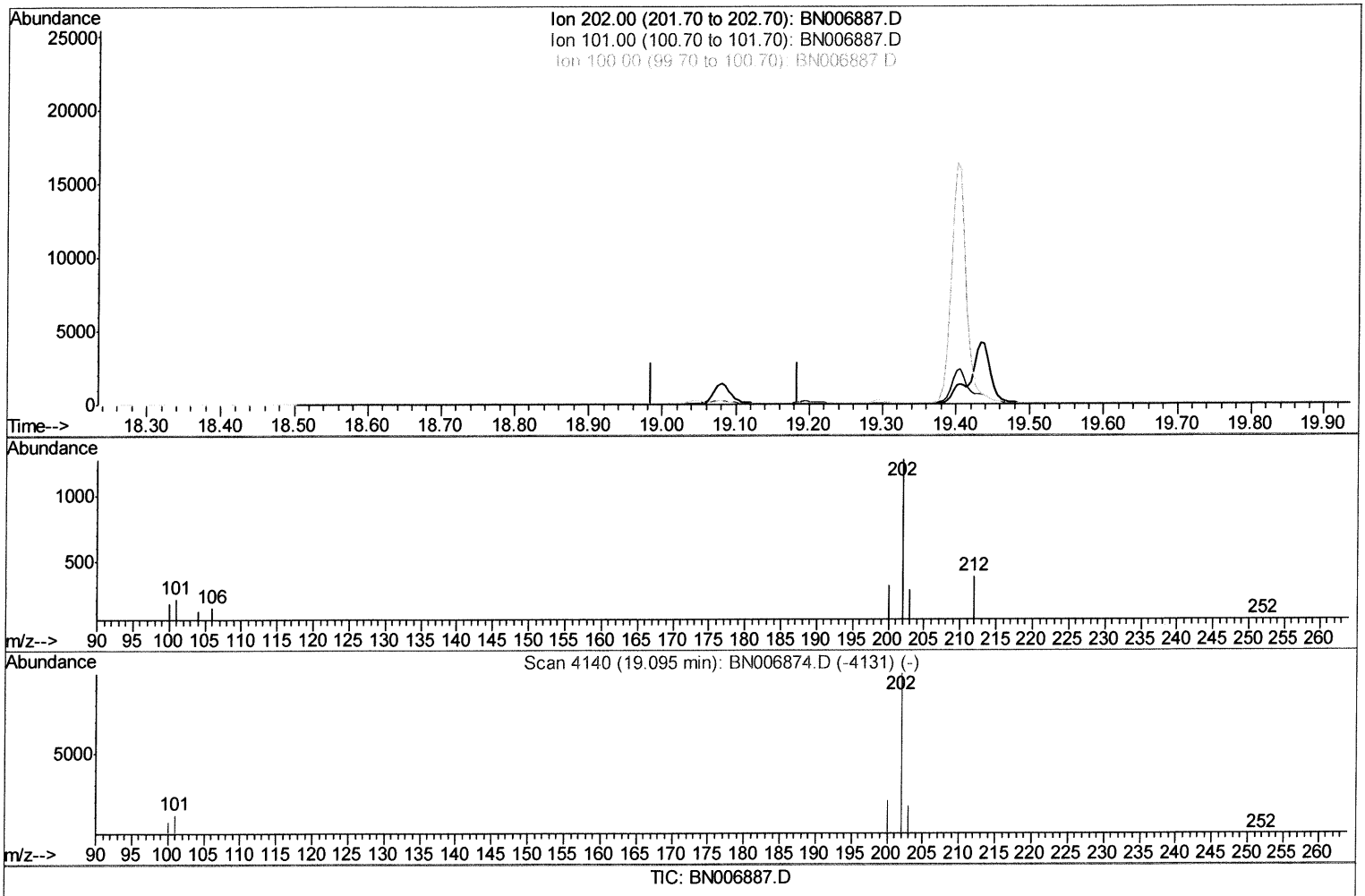
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:24:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



TIC: BN006887.D

(15) Fluoranthene (C)

19.086min (-19.086) 0.00ng/ul

response 0

Ion	Exp%	Act%
202.00	100	0.00
101.00	13.20	0.00
100.00	9.90	0.00
0.00	0.00	0.00

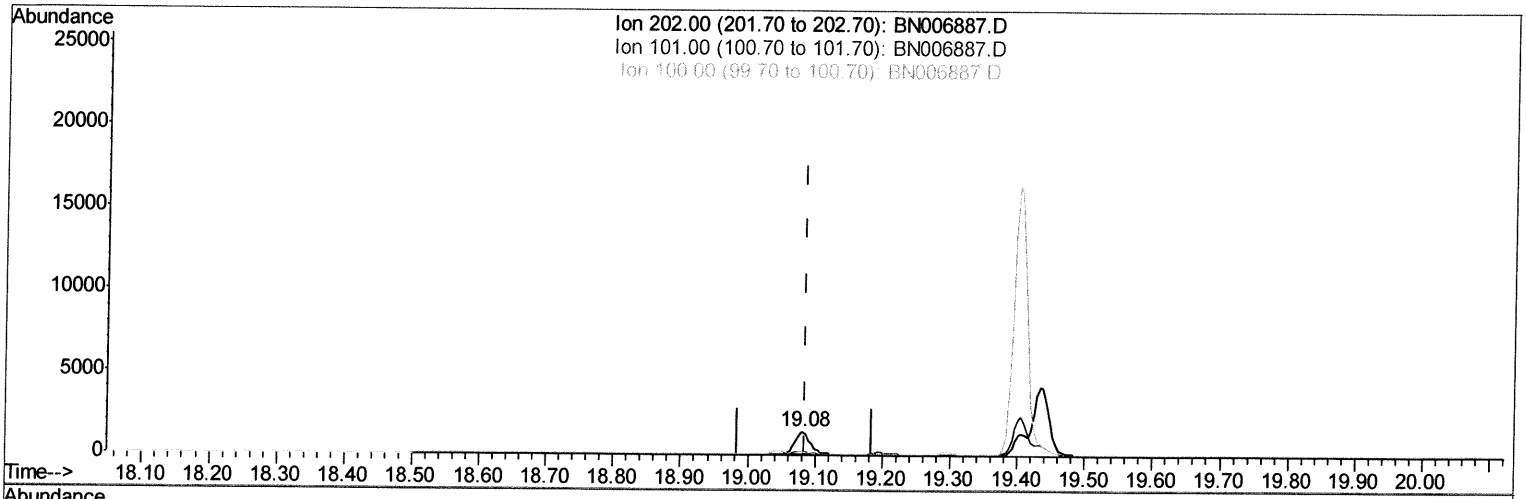
Quantitation Report (Qedit)

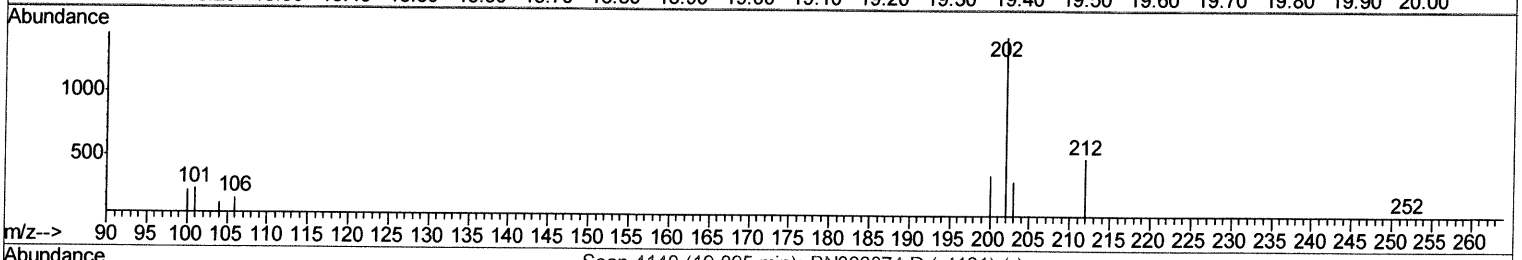
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

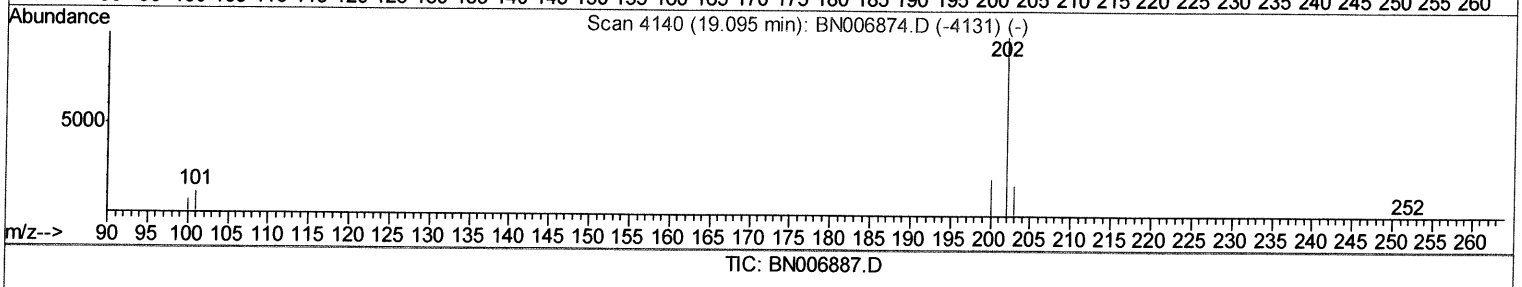
Quant Time: Jul 18 14:24:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM







TIC: BN006887.D

(15) Fluoranthene (C)

19.081min (-0.005) 0.04ng/ul m JU 07/19/19

response 2151

Ion	Exp%	Act%
202.00	100	100
101.00	13.20	16.63
100.00	9.90	15.18
0.00	0.00	0.00

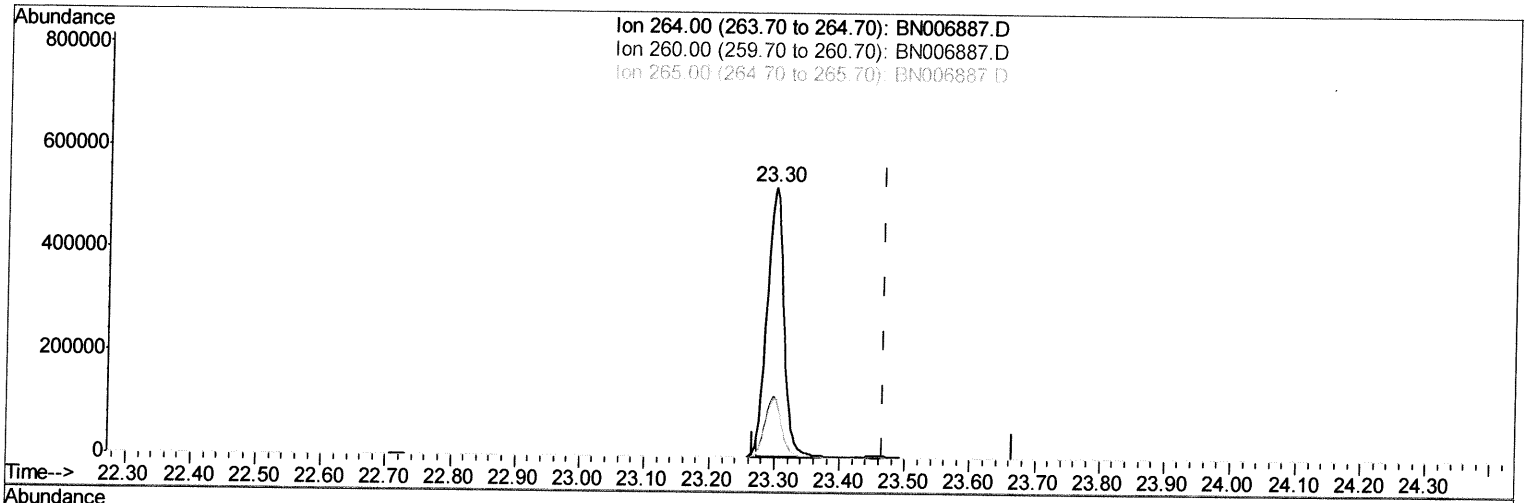
Quantitation Report (Qedit)

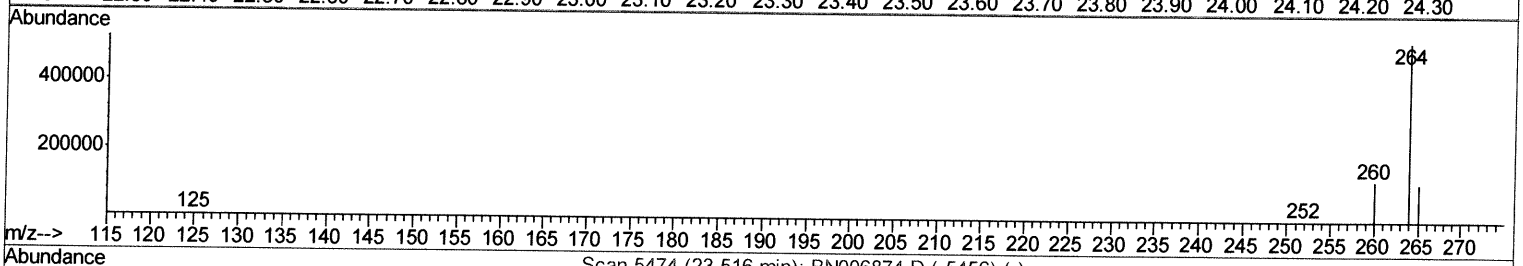
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

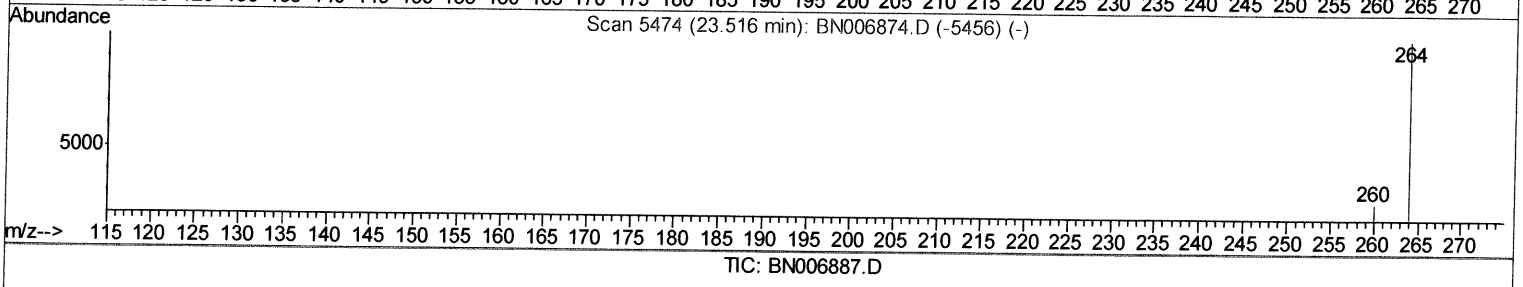
Quant Time: Jul 18 14:24:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM







TIC: BN006887.D

(20) Perylene-d12 (I)

23.298min (-0.168) 0.40ng/ul

response 929898

Ion	Exp%	Act%
264.00	100	100
260.00	27.80	22.56
265.00	36.10	21.62#
0.00	0.00	0.00

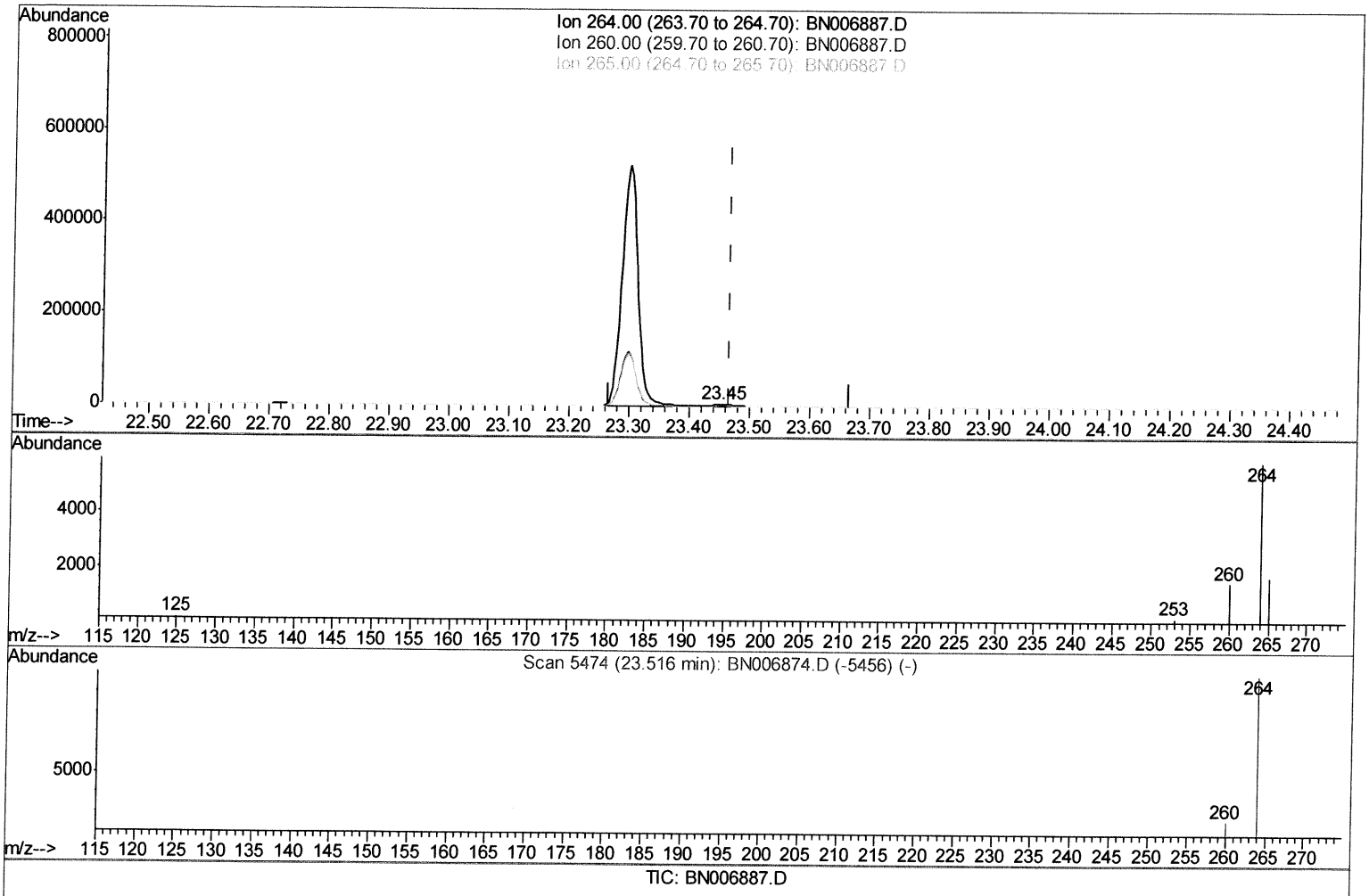
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:24:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM



(20) Perylene-d12 (I)

23.453min (-0.013) 0.40ng/ul m JU 07/19/19

response 8756

Ion	Exp%	Act%
264.00	100	100
260.00	27.80	26.59
265.00	36.10	30.07
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071819\
Data File : BN006887.D
Acq On : 18 Jul 2019 12:39
Operator : HP/JU
Sample : K3822-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:30:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : BF4B9

Manual Integrations APPROVED
mohammad
7/19/2019 3:59:10 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3131	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	11389	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.24	164	5990	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13183m>	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	10092m>	0.40	ng/ul	0.00
20) Perylene-d12	23.45	264	8756m>	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	4500	0.26	ng/ul	0.00
14) Fluoranthene-d10	19.05	212	12207m>	0.32	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.40	128	16862	0.516	ng/ul	99
5) 2-Methylnaphthalene	12.06	142	1279	0.058	ng/ul	99
8) Acenaphthene	14.30	153	5257	0.221	ng/ul	98
9) Fluorene	15.30	166	6081	0.233	ng/ul	99
12) Phenanthrene	17.04	178	5865	0.138	ng/ul	98
13) Anthracene	17.13	178	1602m>	0.044	ng/ul	
15) Fluoranthene	19.08	202	2151m>	0.041	ng/ul	
17) Pyrene	19.43	202	6450	0.140	ng/ul#	91

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