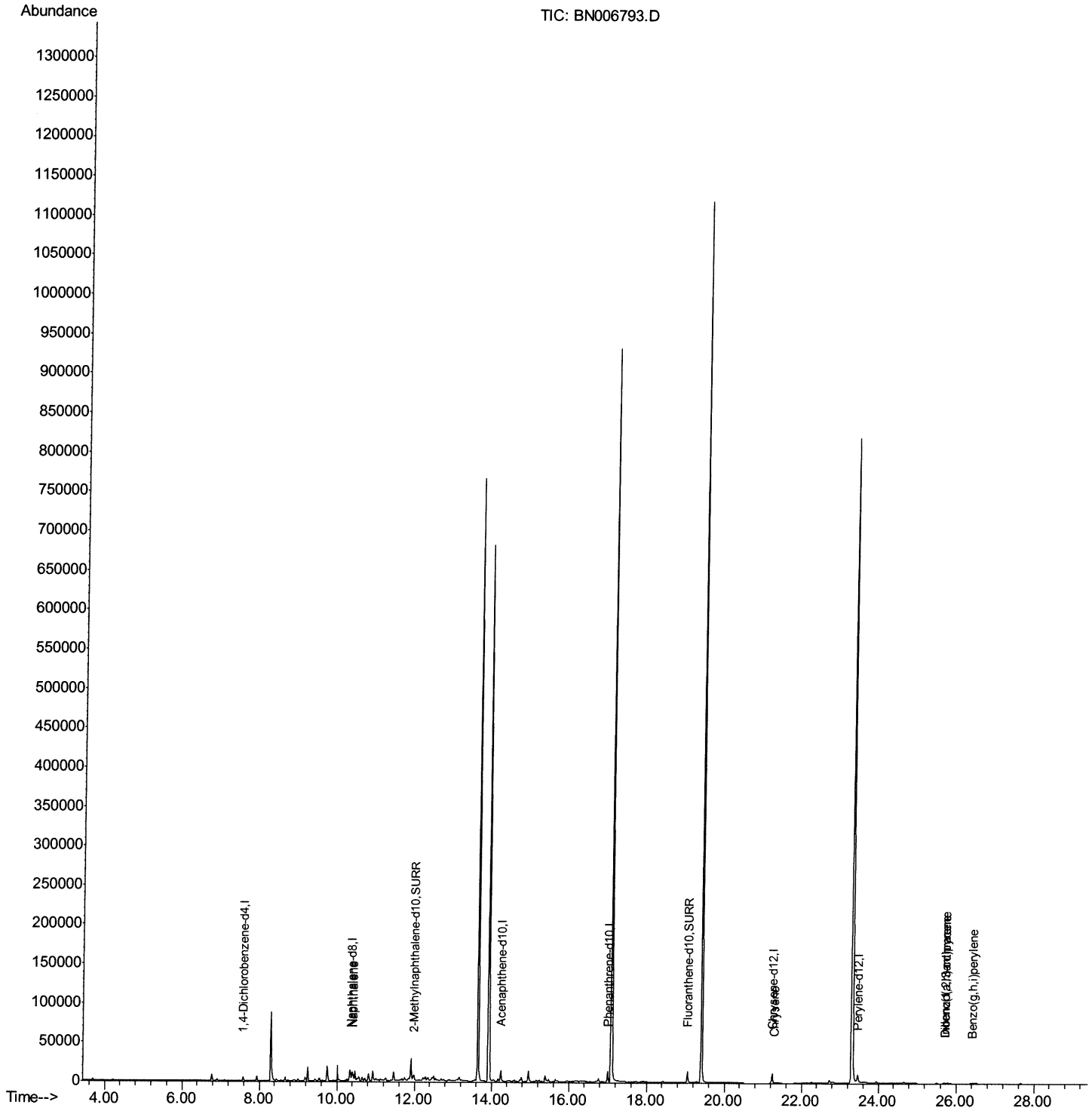
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 07:04:58 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 :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM



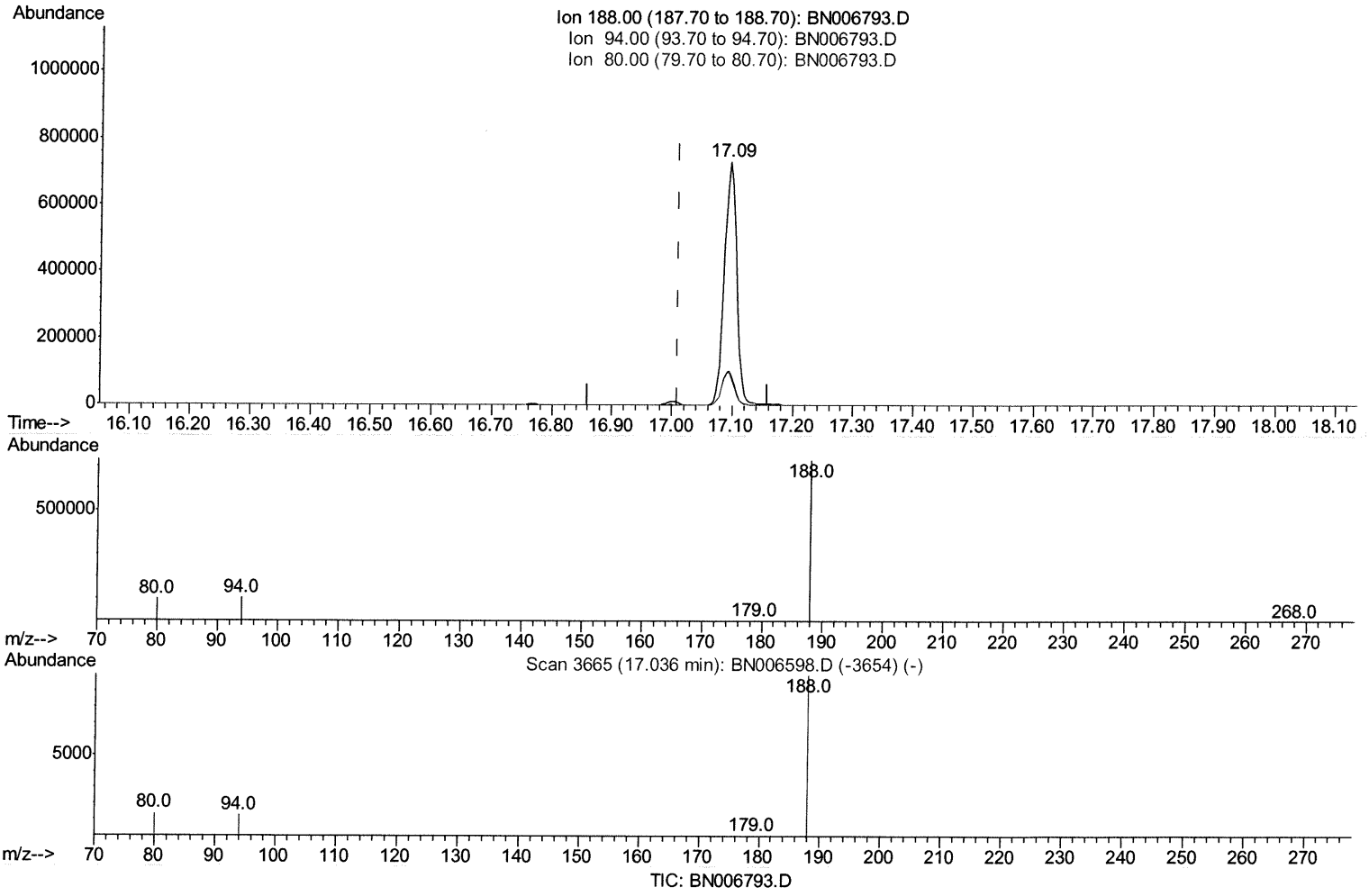
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 06:56:38 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 :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM



TIC: BN006793.D

(10) Phenanthrene-d10 (I)

17.095min (+0.085) 0.40ng/ul

response 1033071

Ion	Exp%	Act%
188.00	100	100
94.00	13.70	14.15
80.00	14.80	13.45
0.00	0.00	0.00

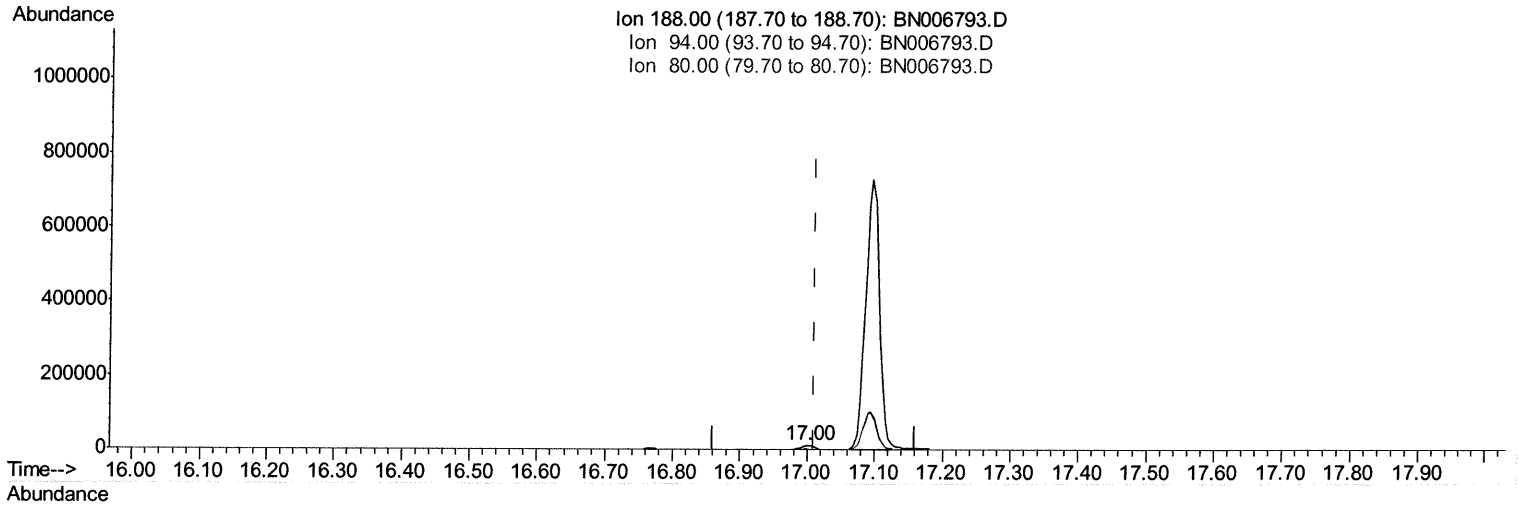
Quantitation Report (Qedit)

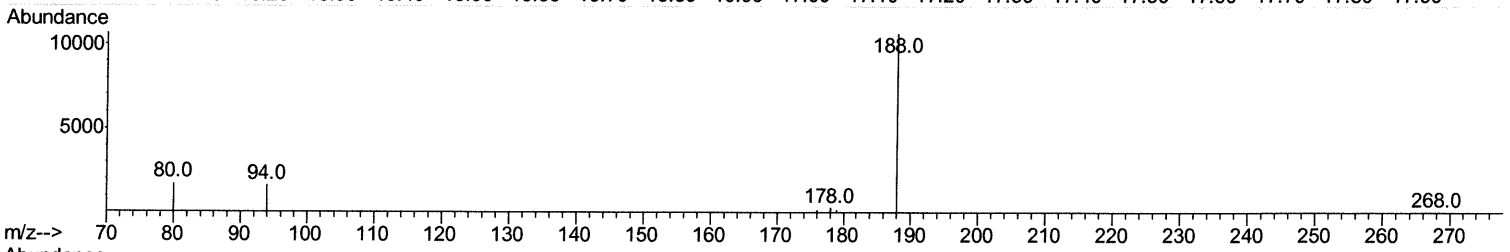
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

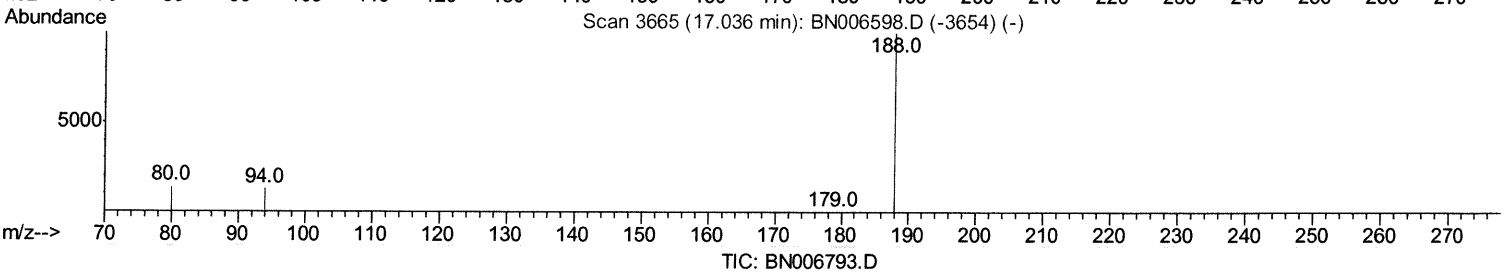
Quant Time: Jul 12 06:56:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM







TIC: BN006793.D

(10) Phenanthrene-d10 (I)

17.002min (-0.008) 0.40ng/ul m JU 07/12/19

response 14883

Ion	Exp%	Act%
188.00	100	100
94.00	13.70	15.34
80.00	14.80	16.33
0.00	0.00	0.00

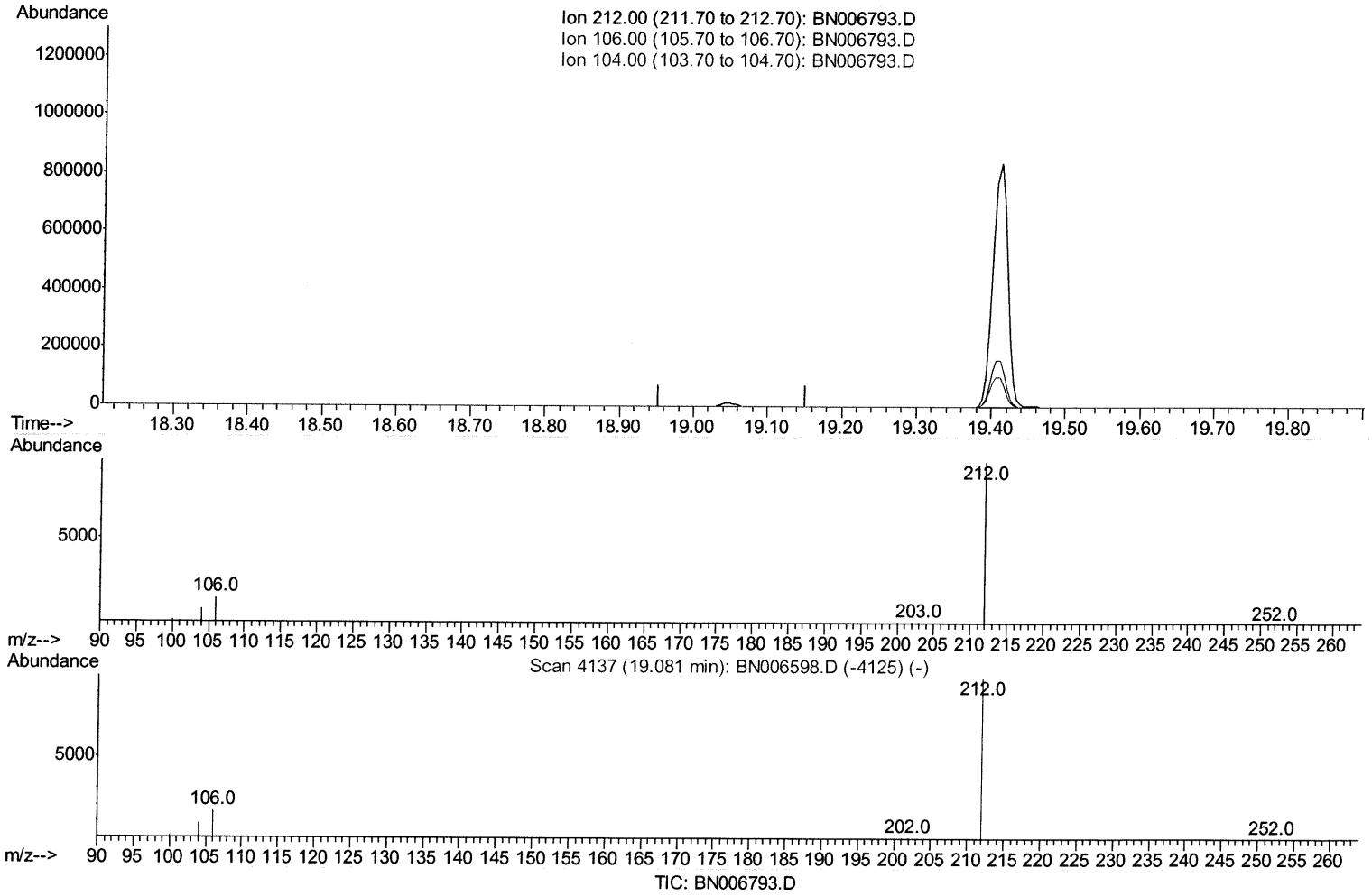
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 06:57:20 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 :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM



TIC: BN006793.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

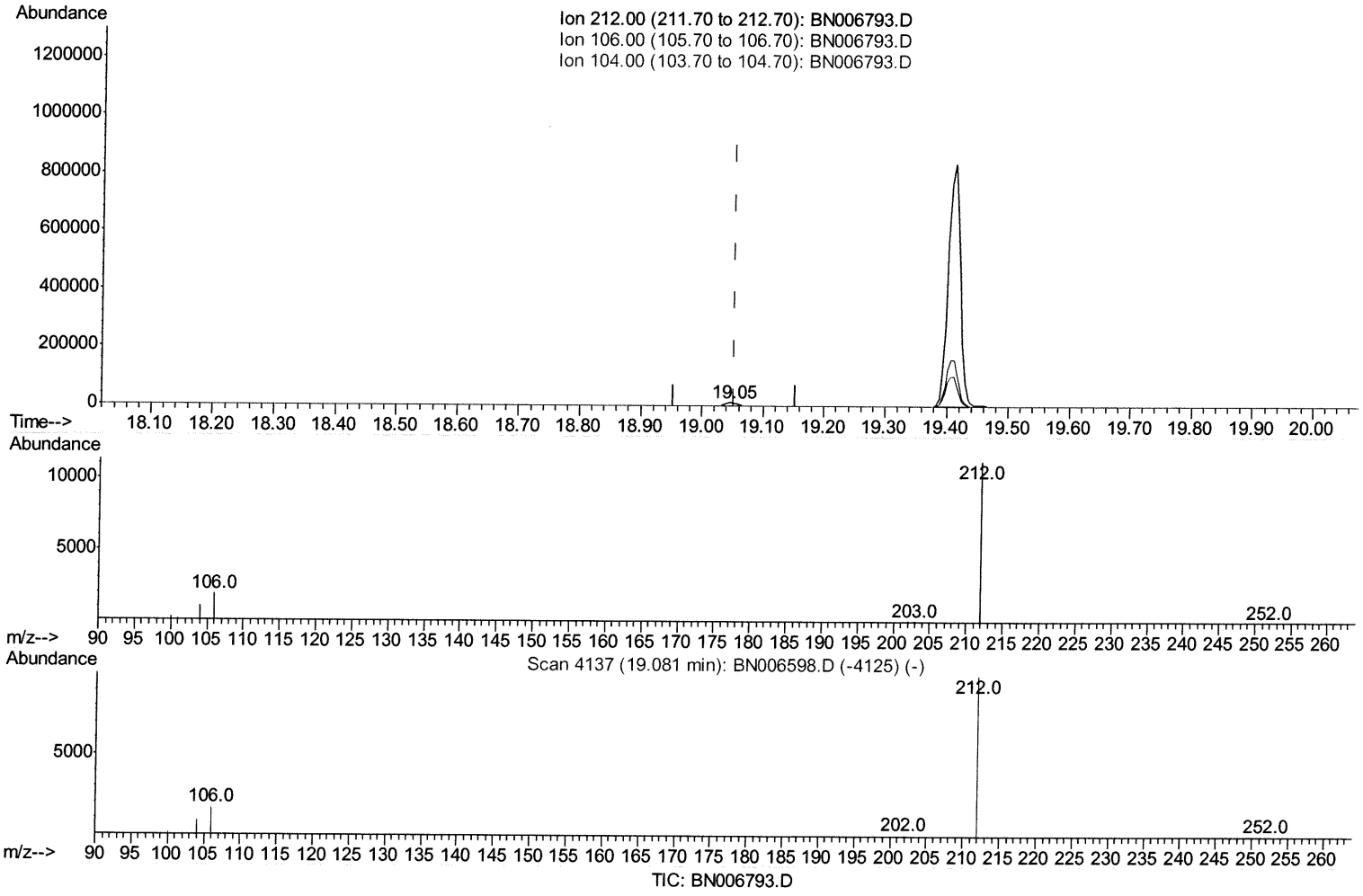
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 06:57:20 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 :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM



TIC: BN006793.D

(14) Fluoranthene-d10 (SURR) JJ 07/12/19

19.048min (-0.005) 0.35ng/ul m

response 15242

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

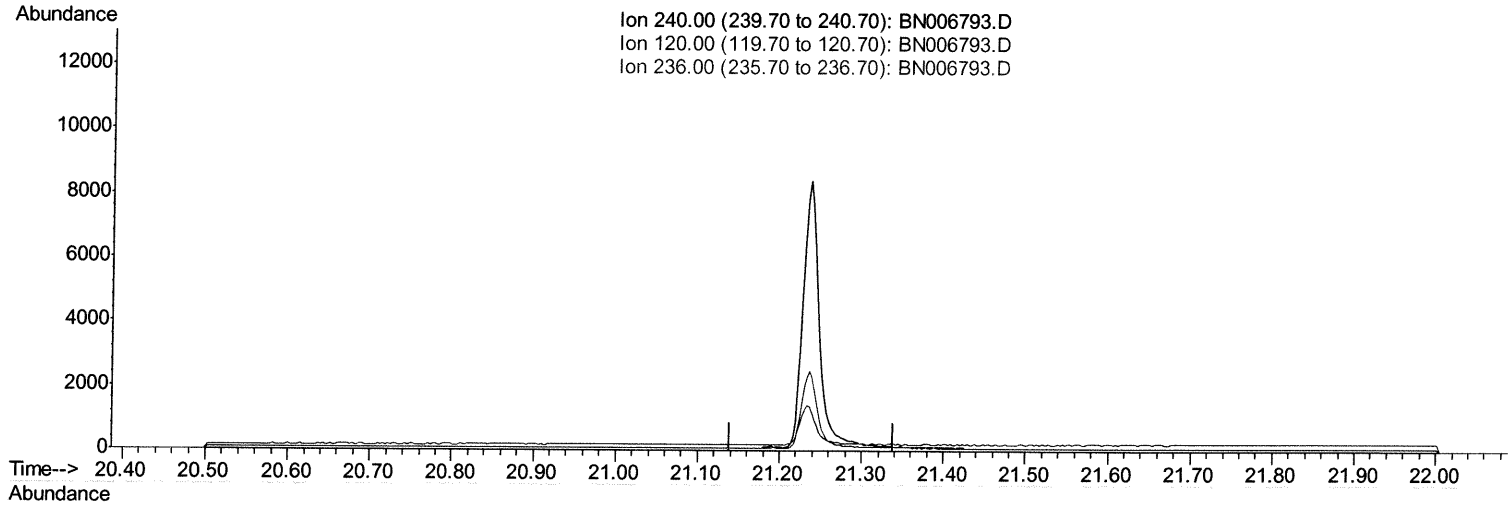
Quantitation Report (Qedit)

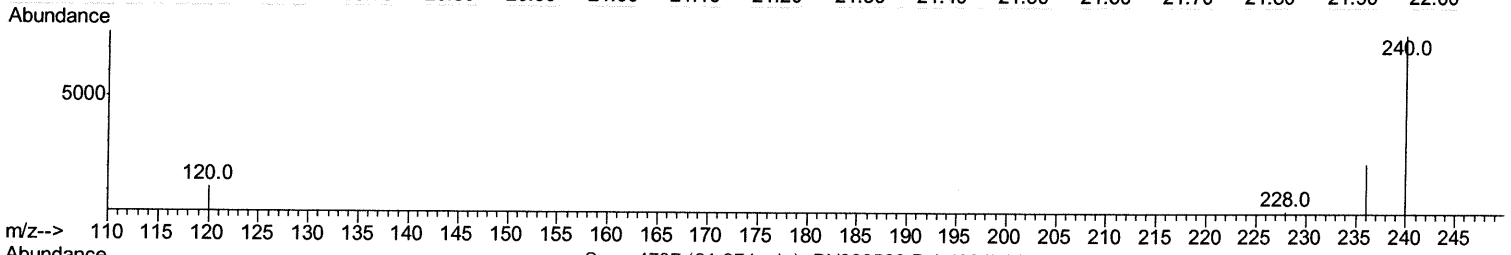
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 06:58:09 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

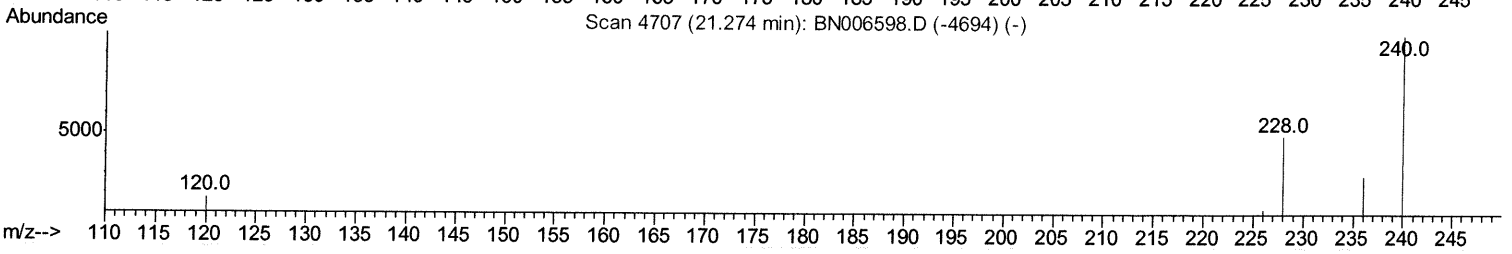
Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM





Scan 4707 (21.274 min): BN006598.D (-4694) (-)



TIC: BN006793.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

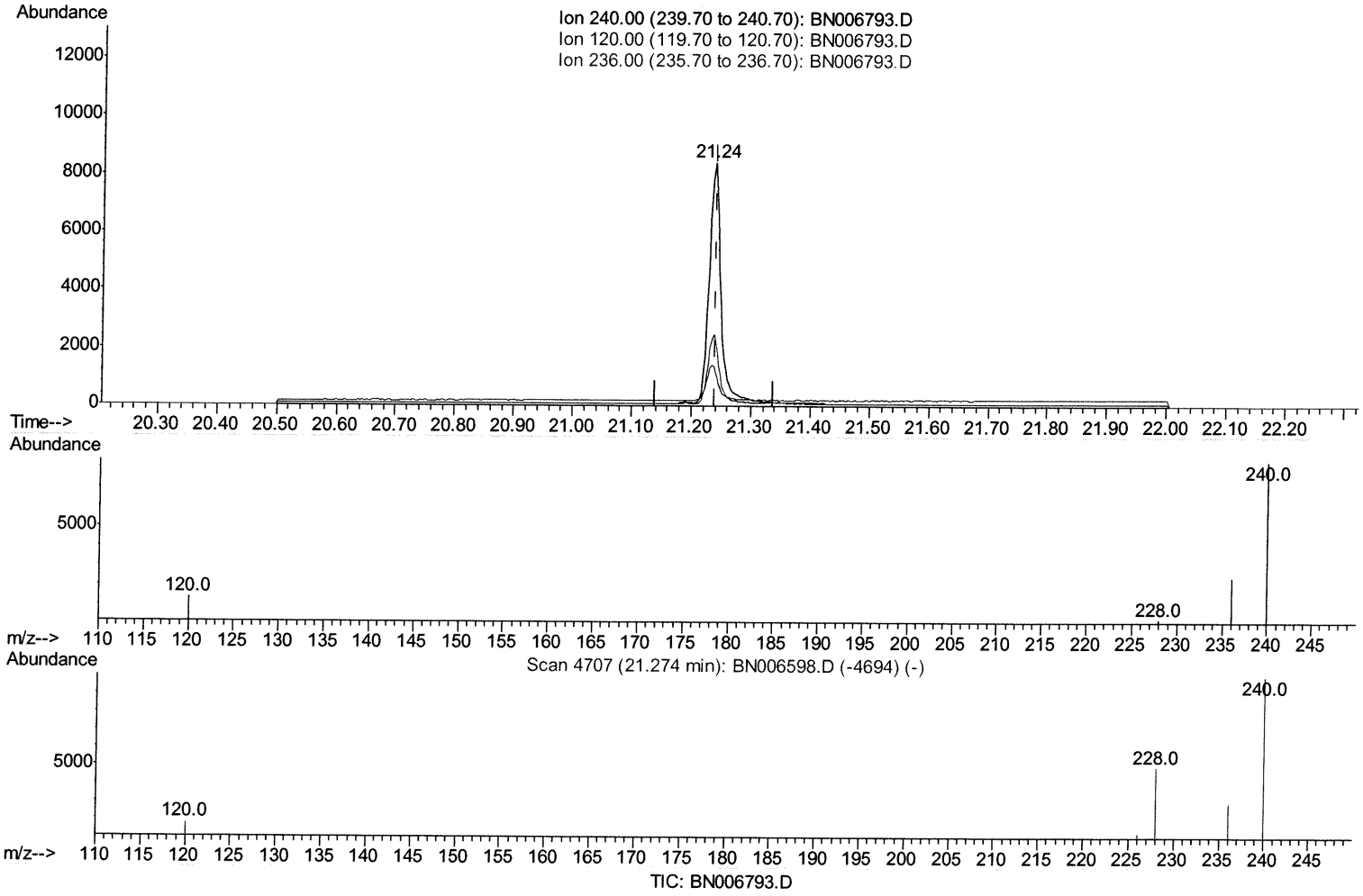
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 06:58:09 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 :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM



TIC: BN006793.D

(16) Chrysene-d12 (I)

21.236min (-0.003) 0.40ng/ul m JU 07/12/19

response 11514

Ion	Exp%	Act%
240.00	100	100
120.00	20.20	16.27
236.00	30.00	29.34
0.00	0.00	0.00

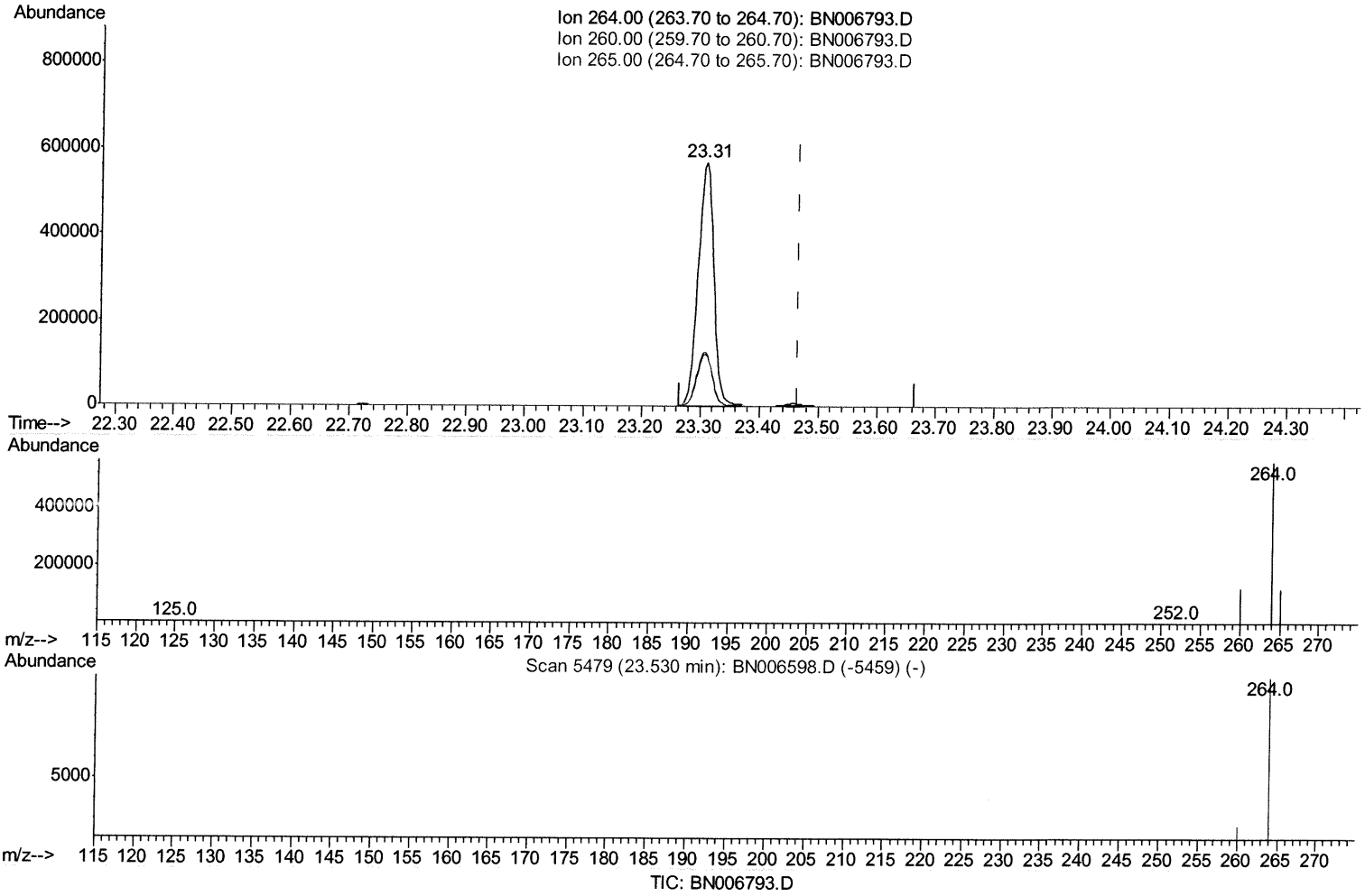
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 06:59:02 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 :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM



TIC: BN006793.D

(20) Perylene-d12 (I)

23.308min (-0.158) 0.40ng/ul

response 1038929

Ion	Exp%	Act%
264.00	100	100
260.00	27.80	22.17#
265.00	36.10	21.60#
0.00	0.00	0.00

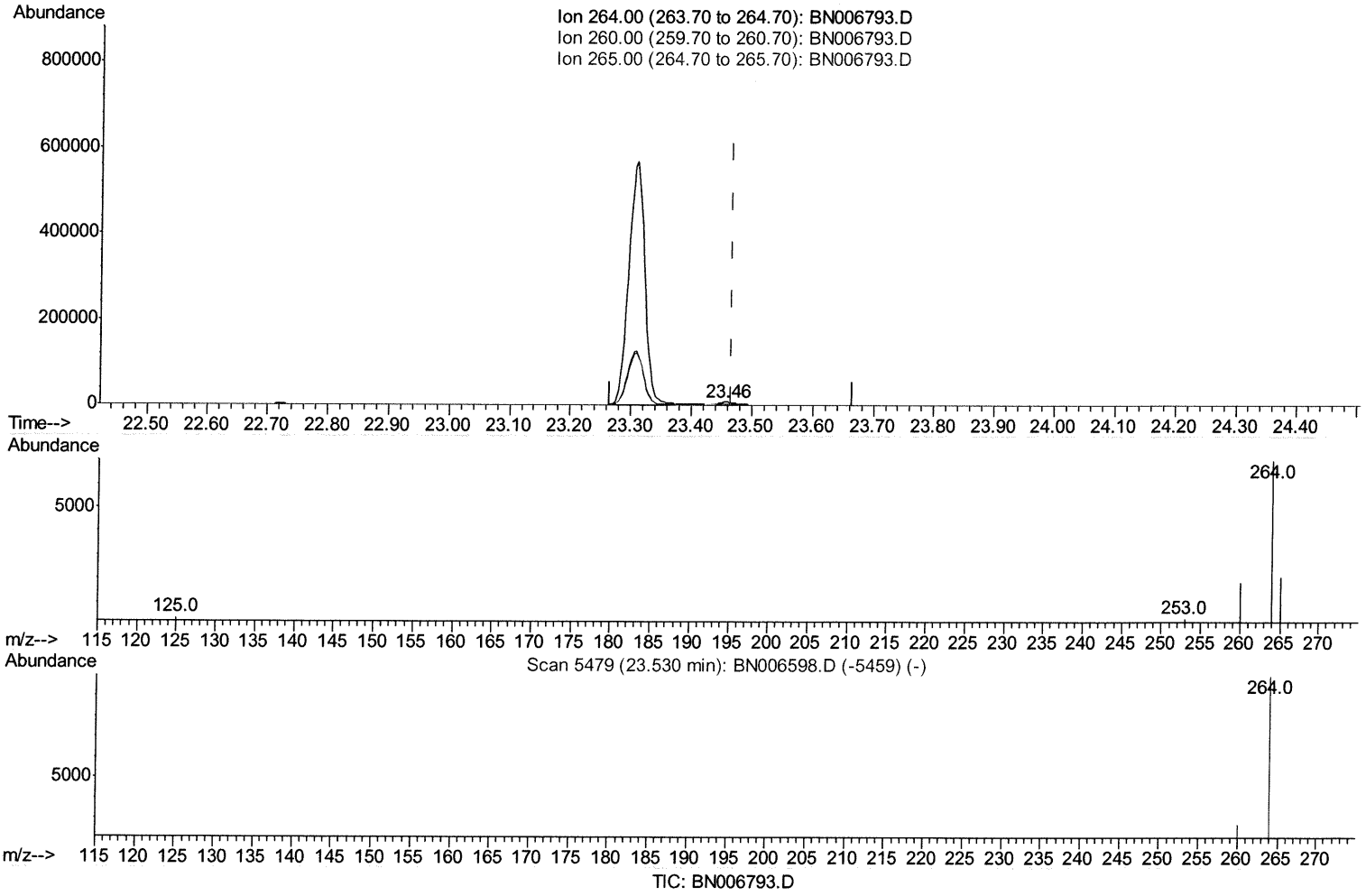
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 06:59:02 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 :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM



(20) Perylene-d12 (I)

23.457min (-0.009) 0.40ng/ul m JU 07/12/19

response 10933

Ion	Exp%	Act%
264.00	100	100
260.00	27.80	26.56
265.00	36.10	30.37
0.00	0.00	0.00

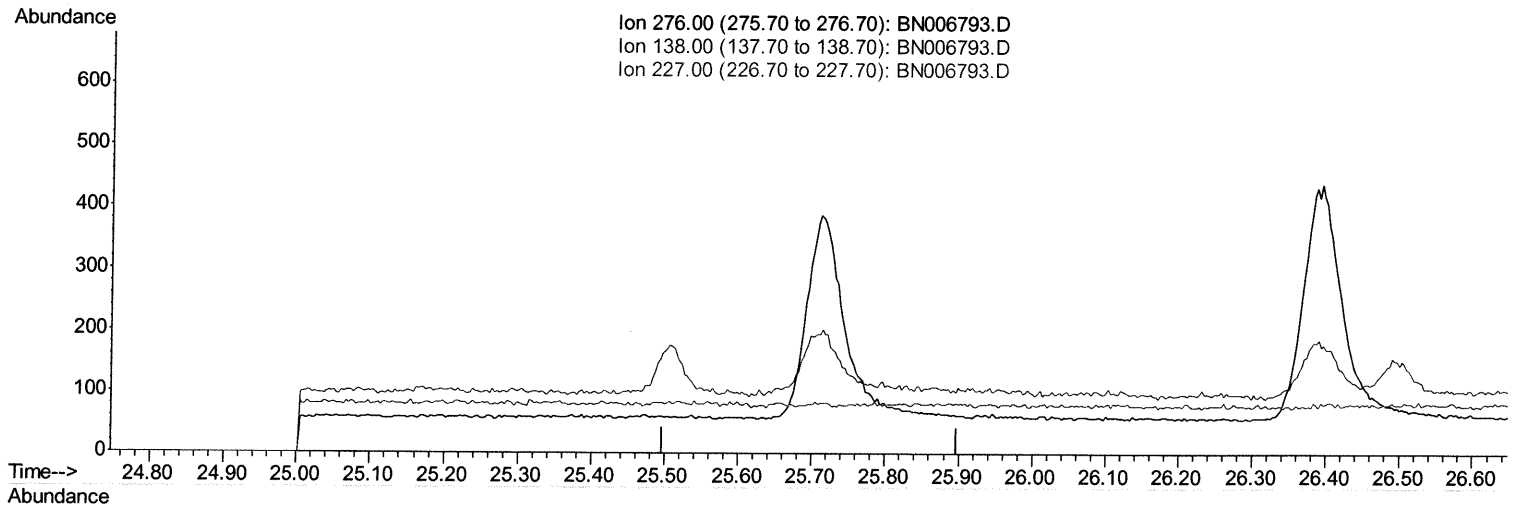
Quantitation Report (Qedit)

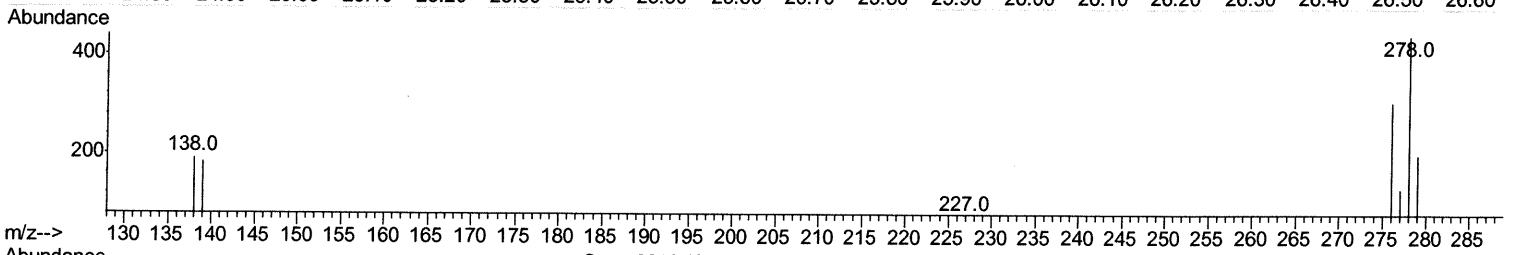
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 07:00:03 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

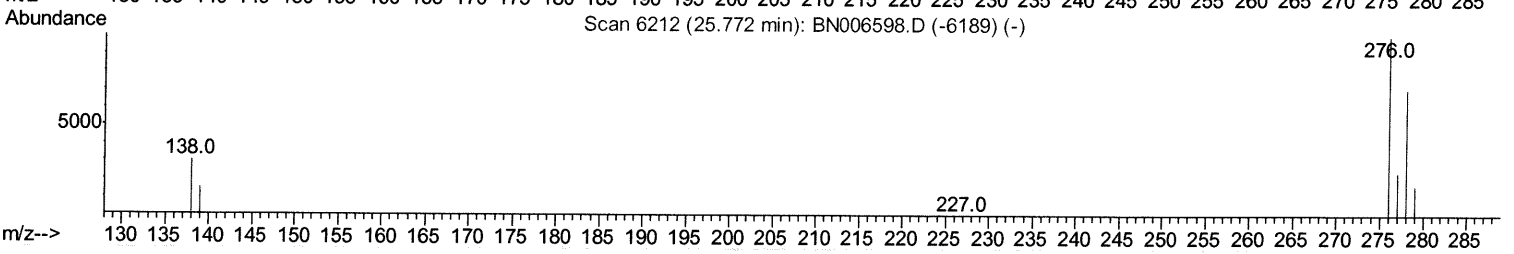
Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM





Scan 6212 (25.772 min): BN006598.D (-6189) (-)



TIC: BN006793.D

(24) Indeno(1,2,3-cd)pyrene

25.698min (-25.698) 0.00ng/ul

response 0

Ion	Exp%	Act%
276.00	100	0.00
138.00	30.40	0.00#
227.00	0.30	0.00#
0.00	0.00	0.00

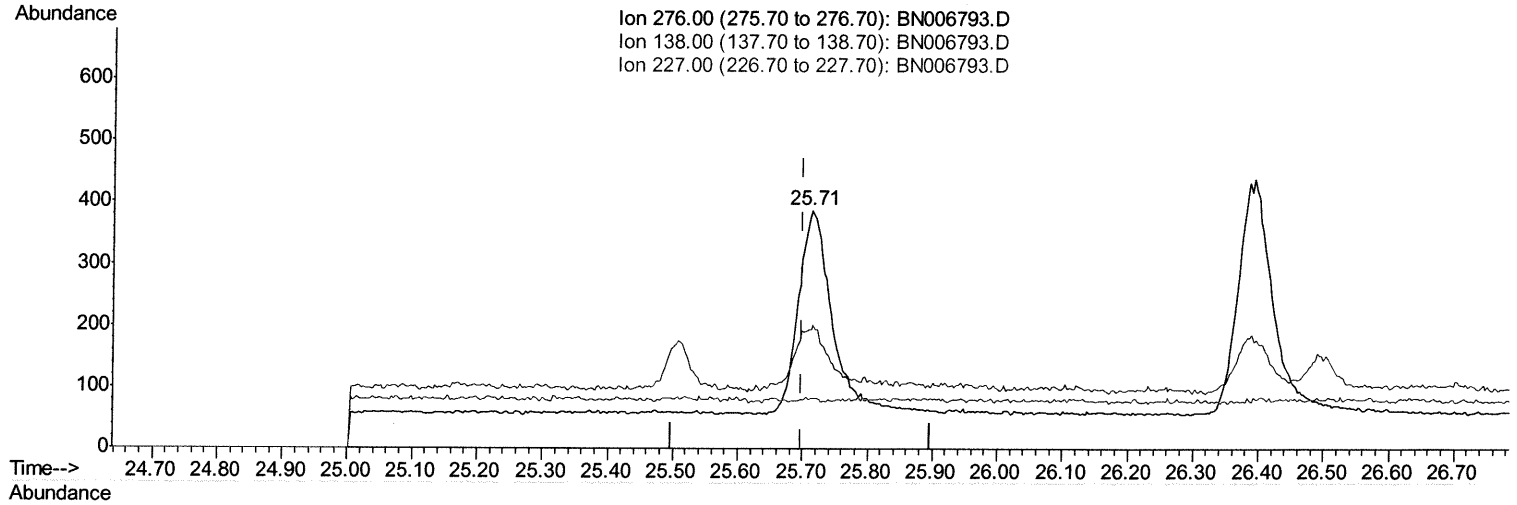
Quantitation Report (Qedit)

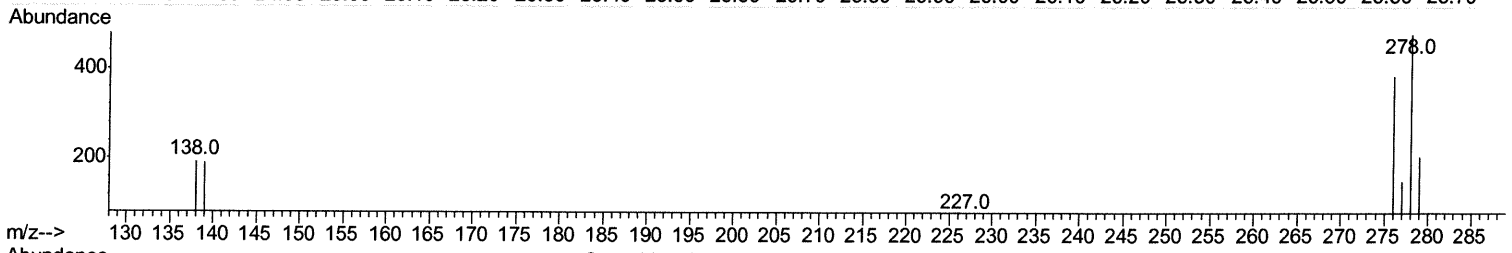
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 07:00:03 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

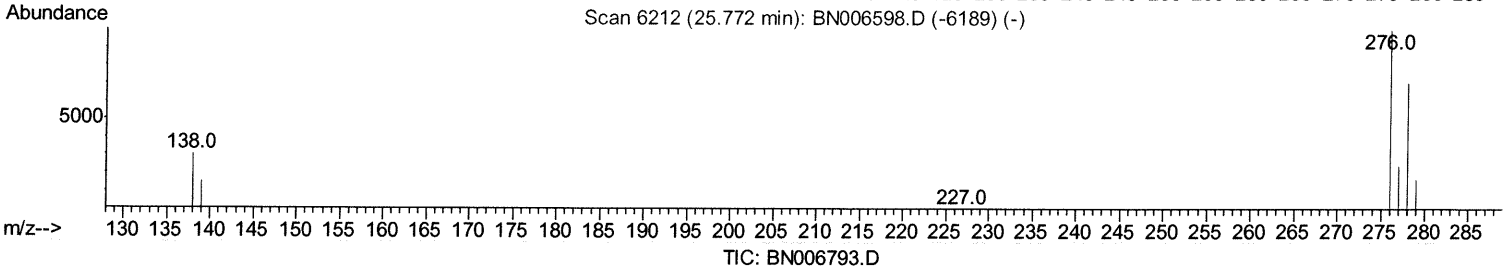
Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM





Scan 6212 (25.772 min): BN006598.D (-6189) (-)



TIC: BN006793.D

(24) Indeno(1,2,3-cd)pyrene

25.712min (+0.014) 0.03ng/ul m JU 07/12/19

response 1159

Ion	Exp%	Act%
276.00	100	100
138.00	30.40	0.00#
227.00	0.30	0.00#
0.00	0.00	0.00

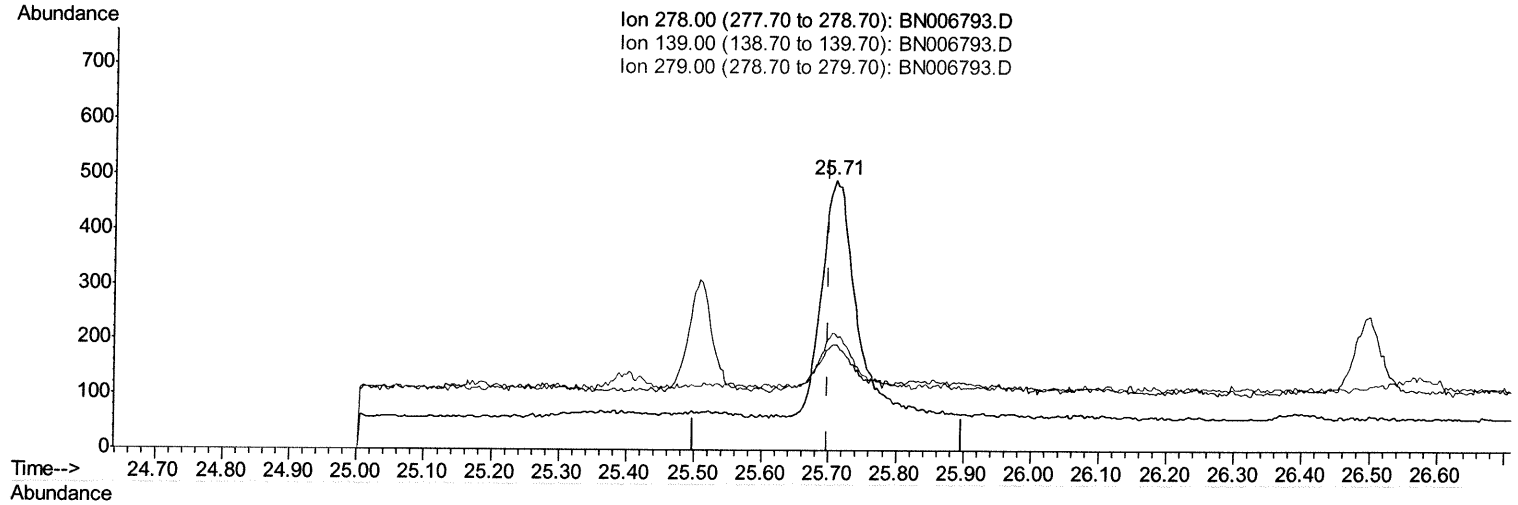
Quantitation Report (Qedit)

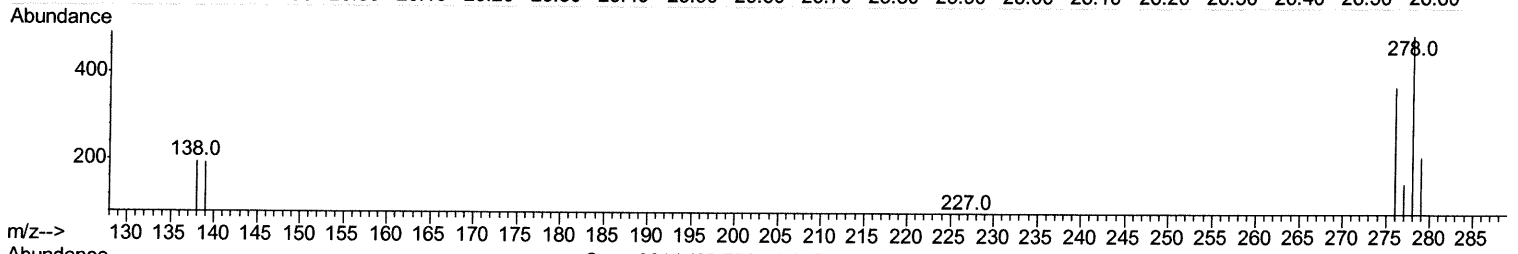
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

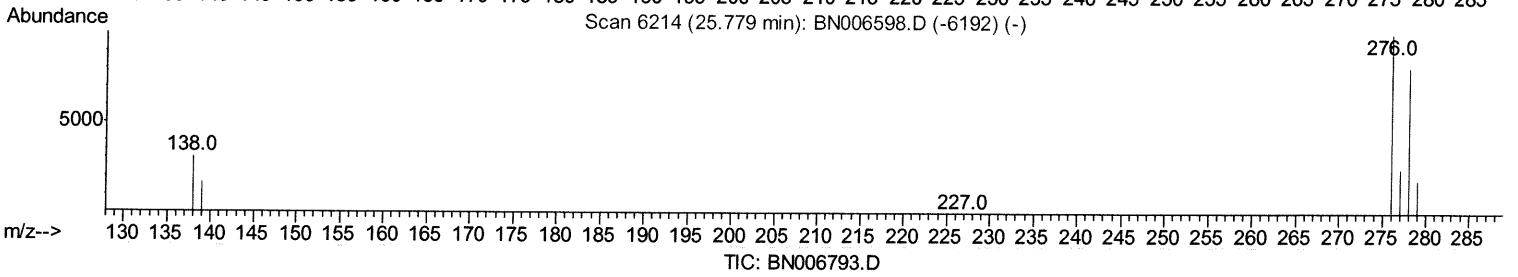
Quant Time: Jul 12 07:00:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM







TIC: BN006793.D

(25) Dibenzo(a,h)anthracene

25.708min (+0.010) 0.02ng/ul

response 749

Ion	Exp%	Act%
278.00	100	100
139.00	22.60	38.90#
279.00	24.70	43.18#
0.00	0.00	0.00

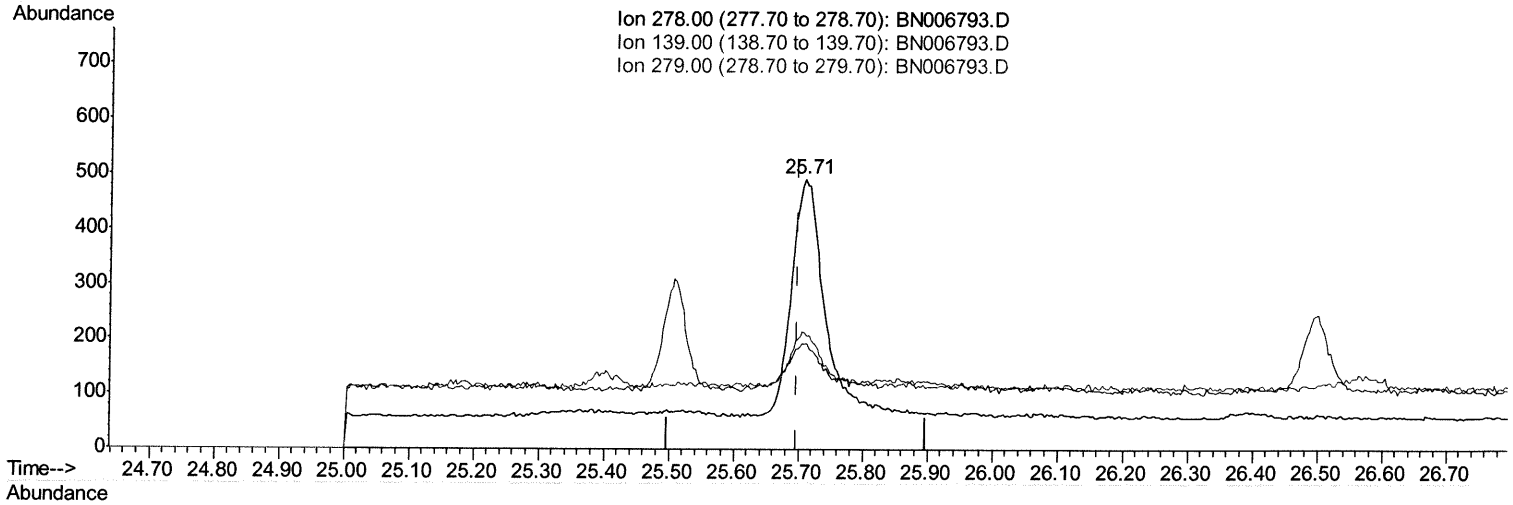
Quantitation Report (Qedit)

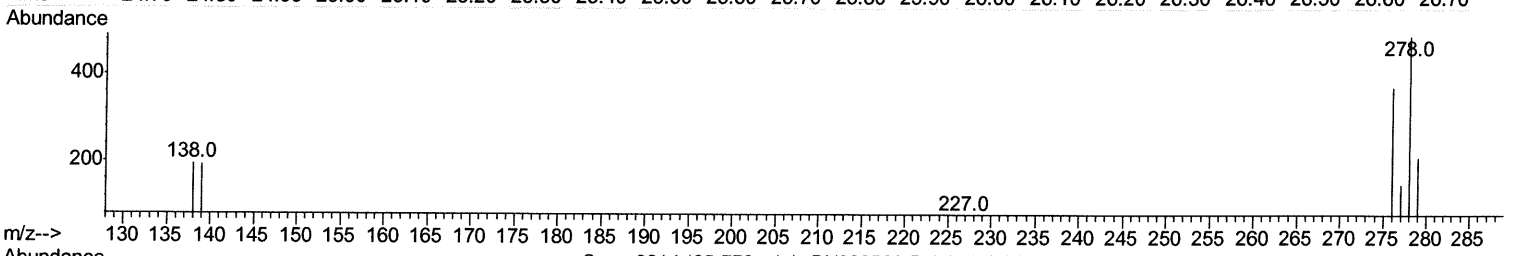
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

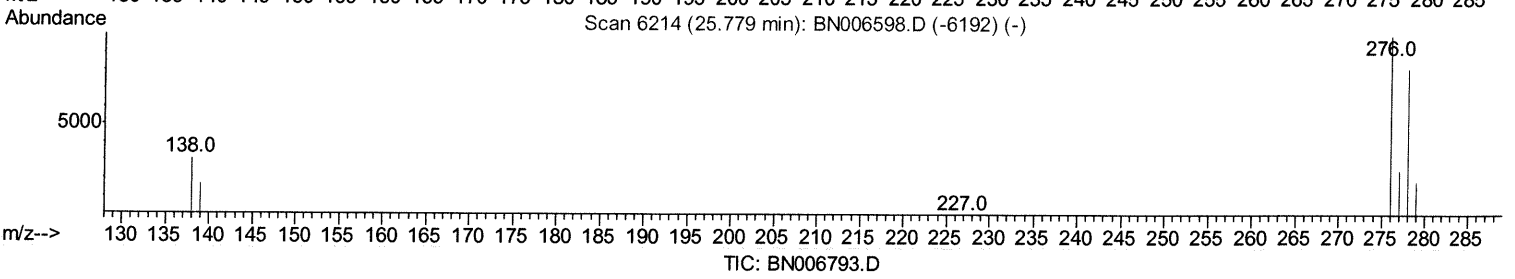
Quant Time: Jul 12 07:00:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM







TIC: BN006793.D

(25) Dibenzo(a,h)anthracene

25.708min (+0.010) 0.04ng/ul m JU 07/12/19

response 1529

Ion	Exp%	Act%
278.00	100	100
139.00	22.60	38.90#
279.00	24.70	43.18#
0.00	0.00	0.00

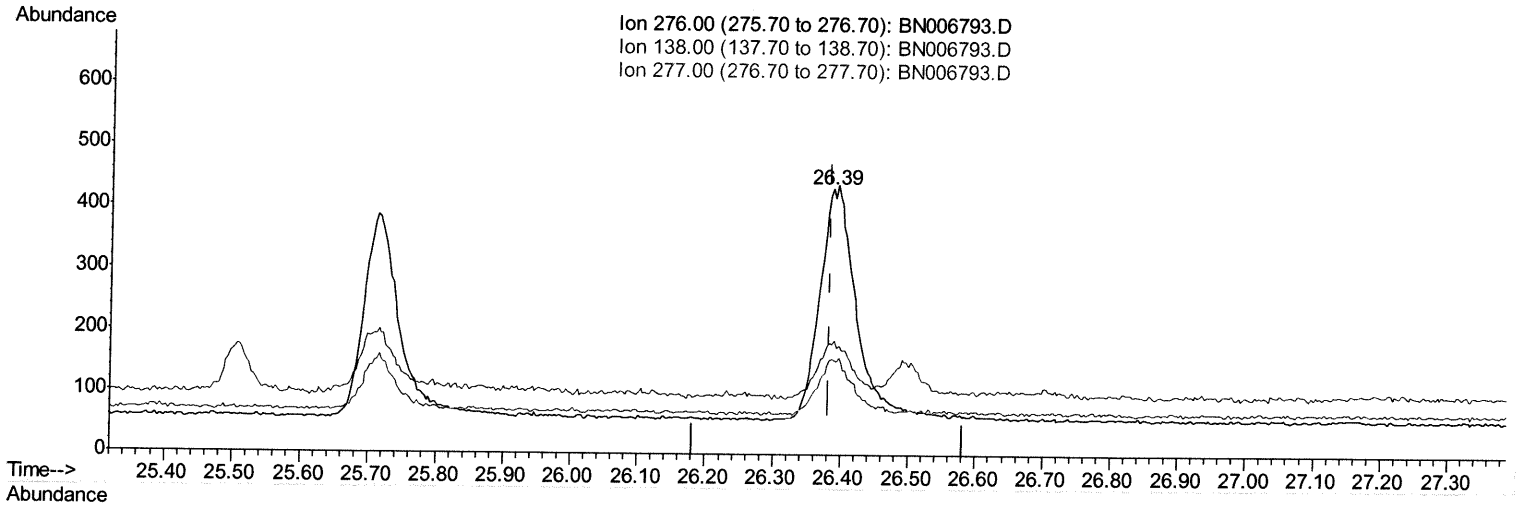
Quantitation Report (Qedit)

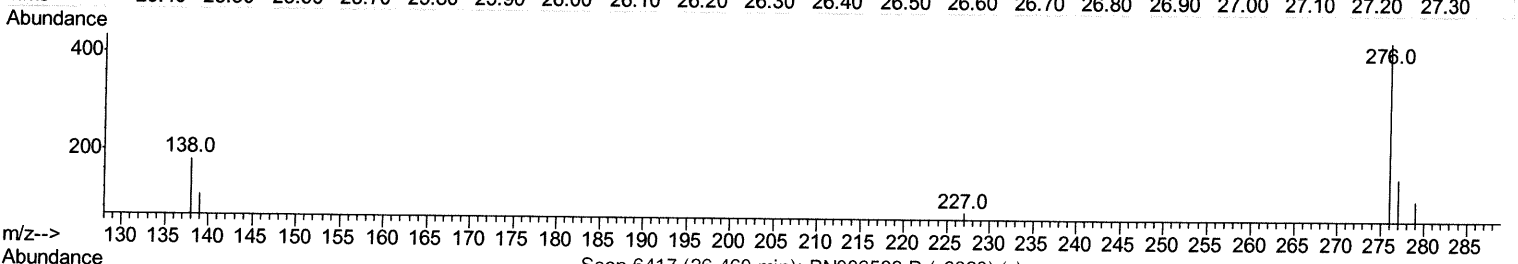
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 12 07:00:03 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

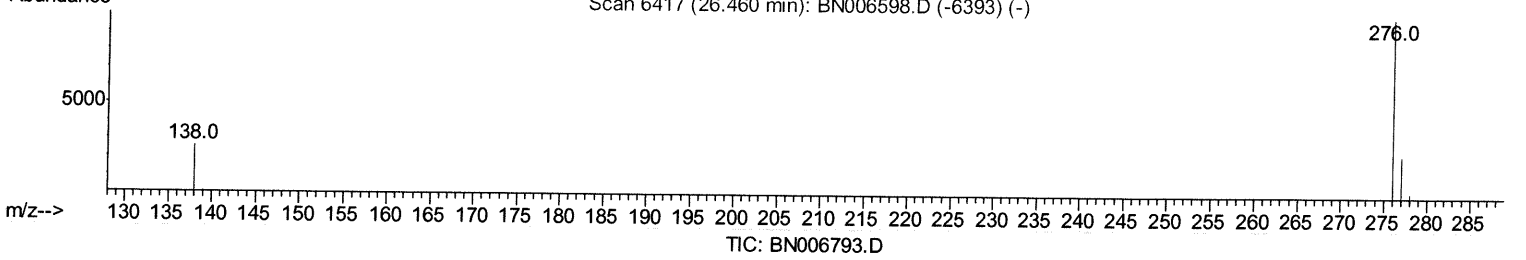
Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM





Scan 6417 (26.460 min): BN006598.D (-6393) (-)



TIC: BN006793.D

(26) Benzo(g,h,i)perylene

26.386min (+0.003) 0.02ng/ul

response 611

Ion	Exp%	Act%
276.00	100	100
138.00	27.70	41.44#
277.00	24.40	35.88#
0.00	0.00	0.00

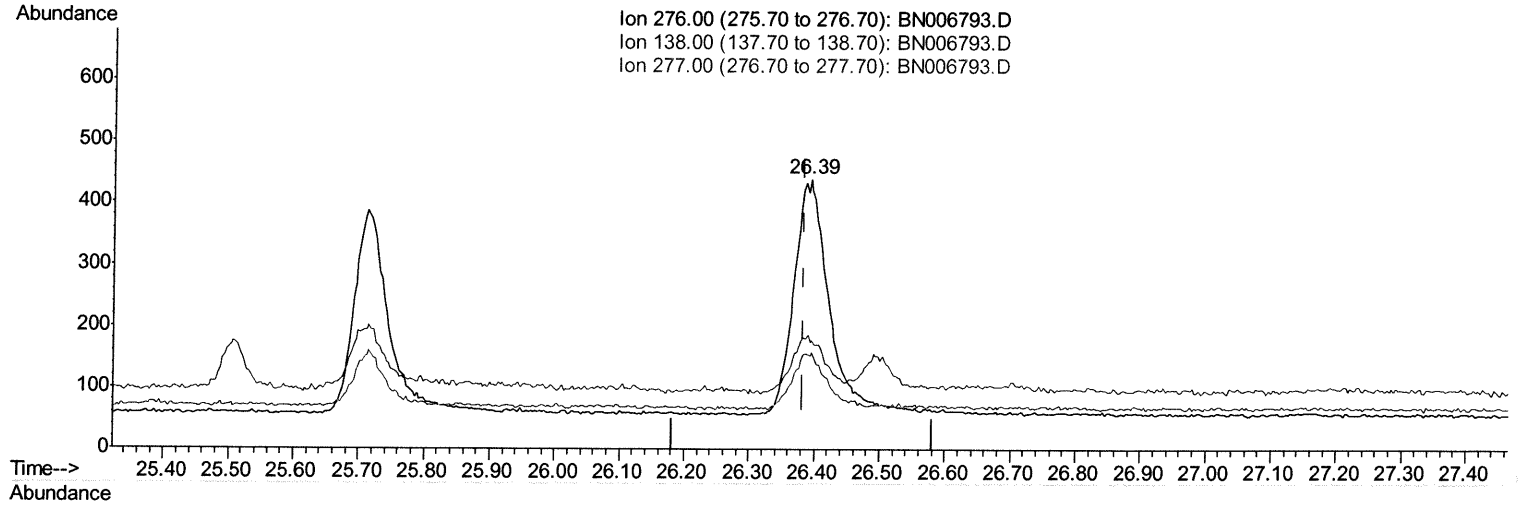
Quantitation Report (Qedit)

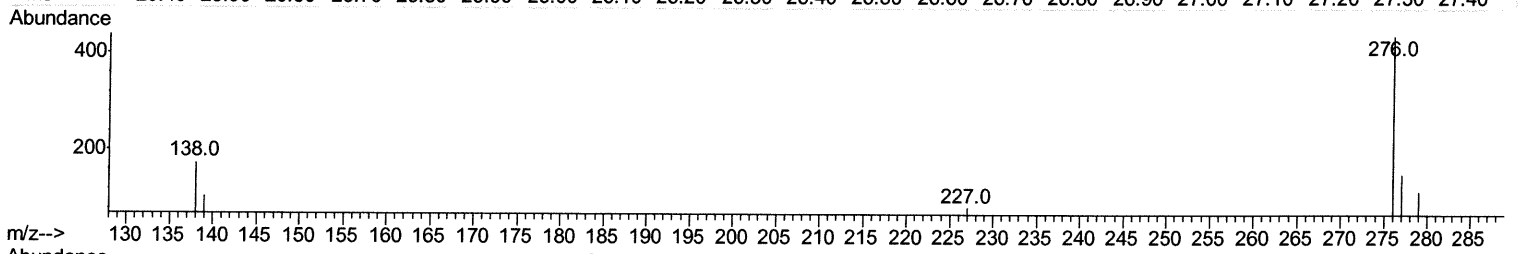
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

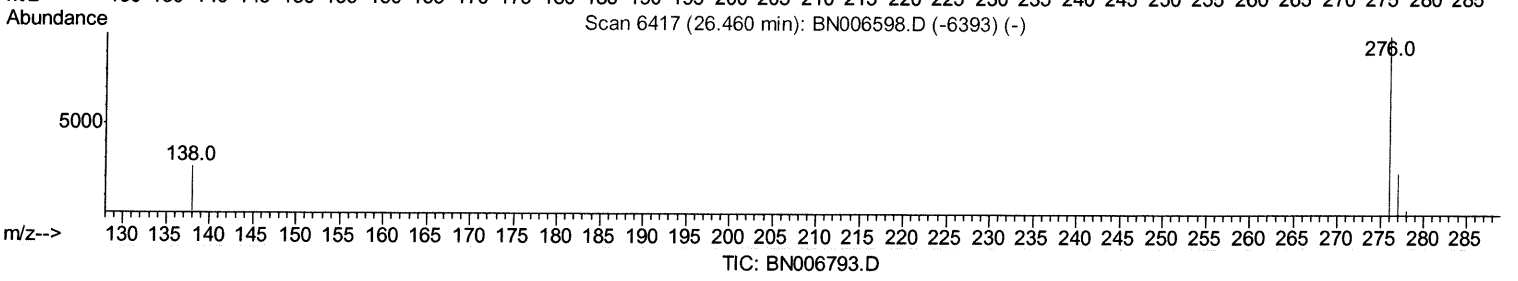
Quant Time: Jul 12 07:00:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM







TIC: BN006793.D

(26) Benzo(g,h,i)perylene

26.393min (+0.010) 0.04ng/ul m JU 07/12/19

response 1381

Ion	Exp%	Act%
276.00	100	100
138.00	27.70	39.64#
277.00	24.40	34.62#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071119\
Data File : BN006793.D
Acq On : 11 Jul 2019 12:25
Operator : HP/JU
Sample : K3578-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLJG7

Manual Integrations APPROVED
mohammad
7/12/2019 10:26:18 PM

Quant Time: Jul 12 07:04:58 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	3170	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.35	136	11453	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.24	164	7651	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	14883m	0.40	ng/ul	0.00
16) Chrysene-d12	21.24	240	11514m	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	10933m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	6680	0.38	ng/ul	-0.01
14) Fluoranthene-d10	19.05	212	15242m	0.35	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.40	128	4466	0.136	ng/ul#	1
19) Chrysene	21.27	228	1826	0.035	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.71	276	1159m	0.026	ng/ul	
25) Dibenzo(a,h)anthracene	25.71	278	1529m	0.043	ng/ul	
26) Benzo(g,h,i)perylene	26.39	276	1381m	0.037	ng/ul	

JU 07/12/19

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