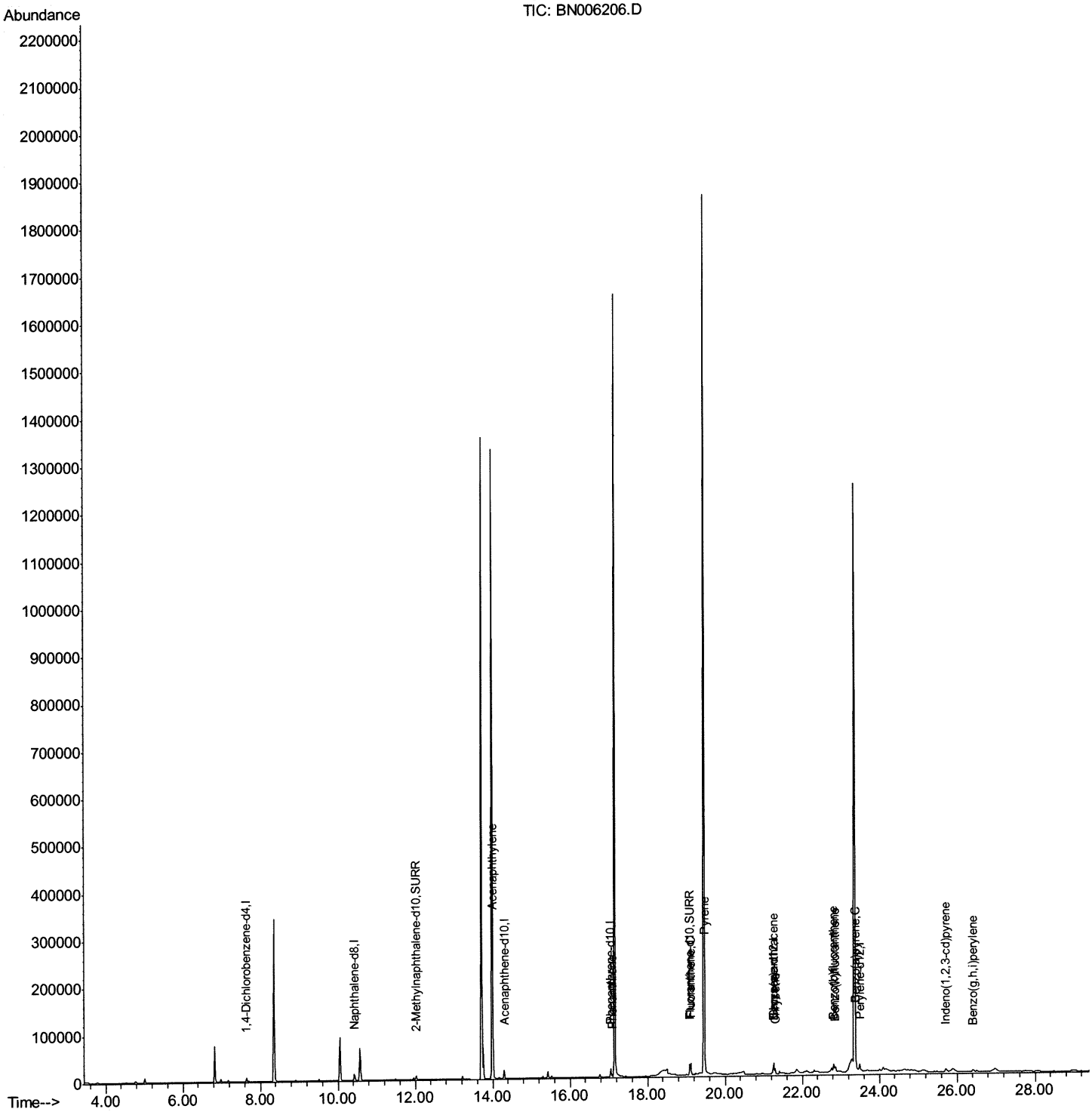
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:35:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



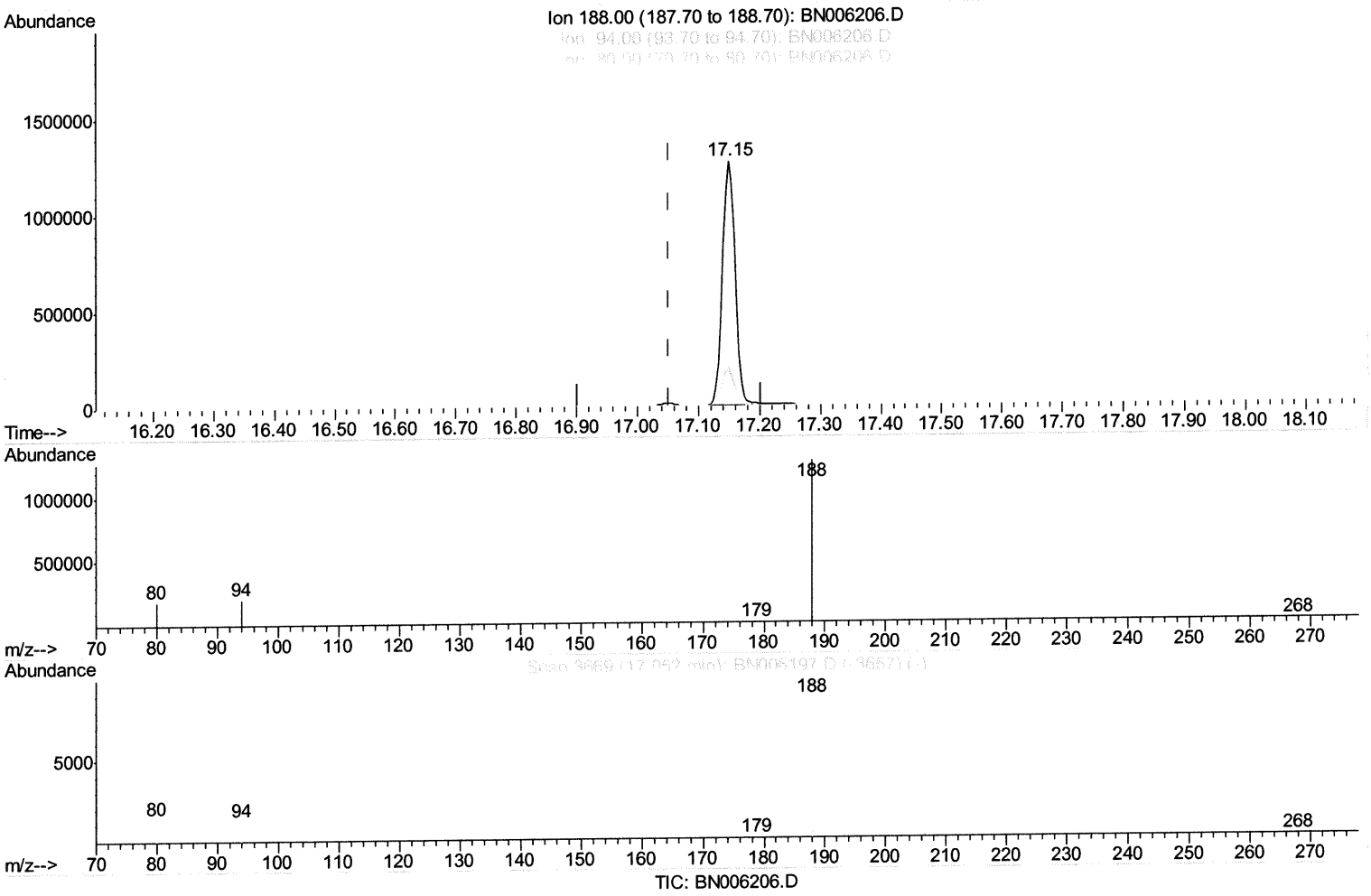
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:30:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(10) Phenanthrene-d10 (I)

17.149min (+0.097) 0.40ng/ul

response 1796294

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	15.98#
80.00	13.60	14.50
0.00	0.00	0.00

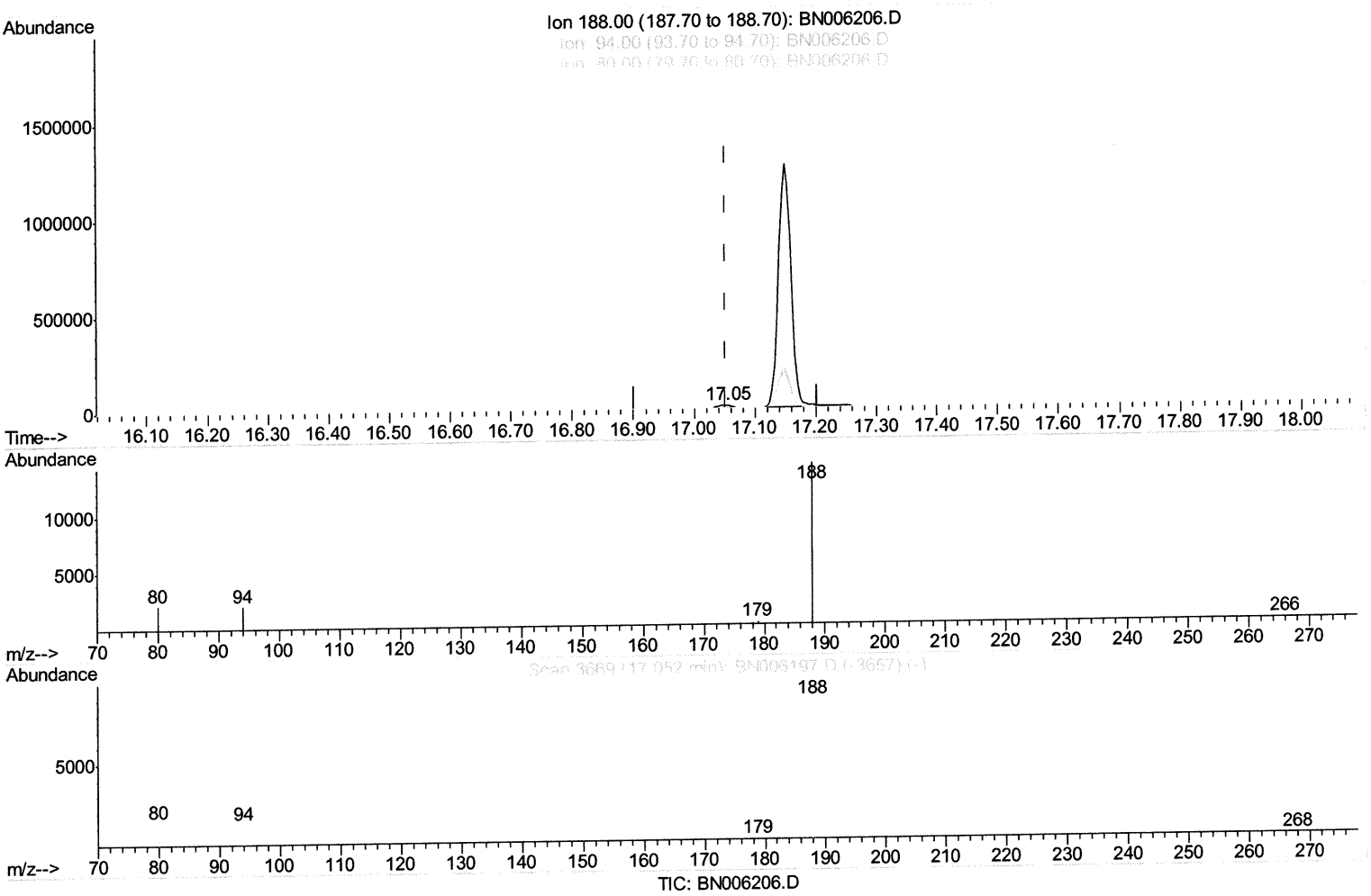
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:30:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(10) Phenanthrene-d10 (I)

17.052min (-0.000) 0.40ng/ul m JU 06/10/19

response 21009

Ion	Exp%	Act%
188.00	100	100
94.00	13.00	14.46
80.00	13.60	15.35
0.00	0.00	0.00

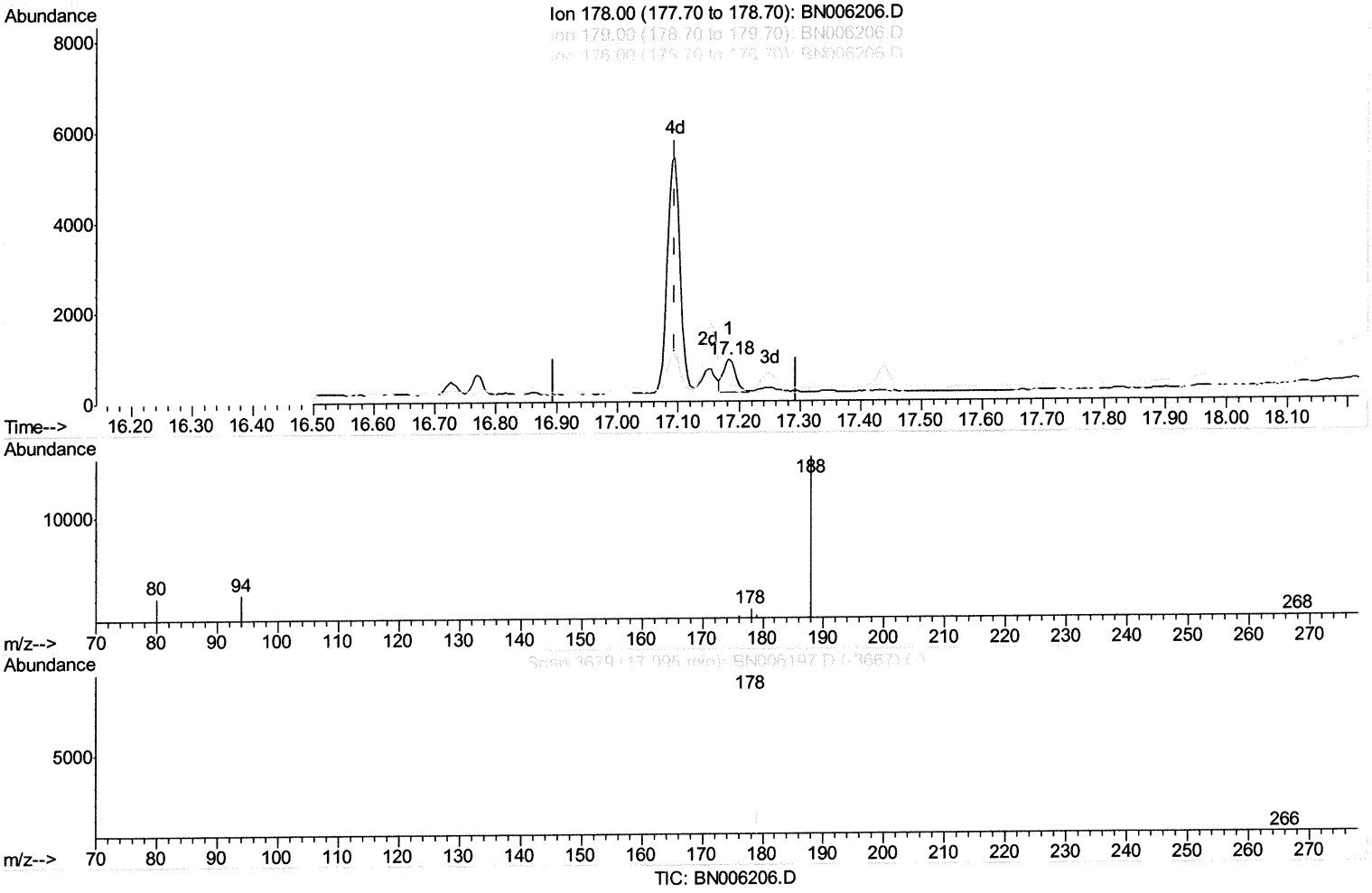
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(12) Phenanthrene

17.183min (+0.089) 0.02ng/ul

response 1039

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	40.15#
176.00	19.10	34.09#
0.00	0.00	0.00

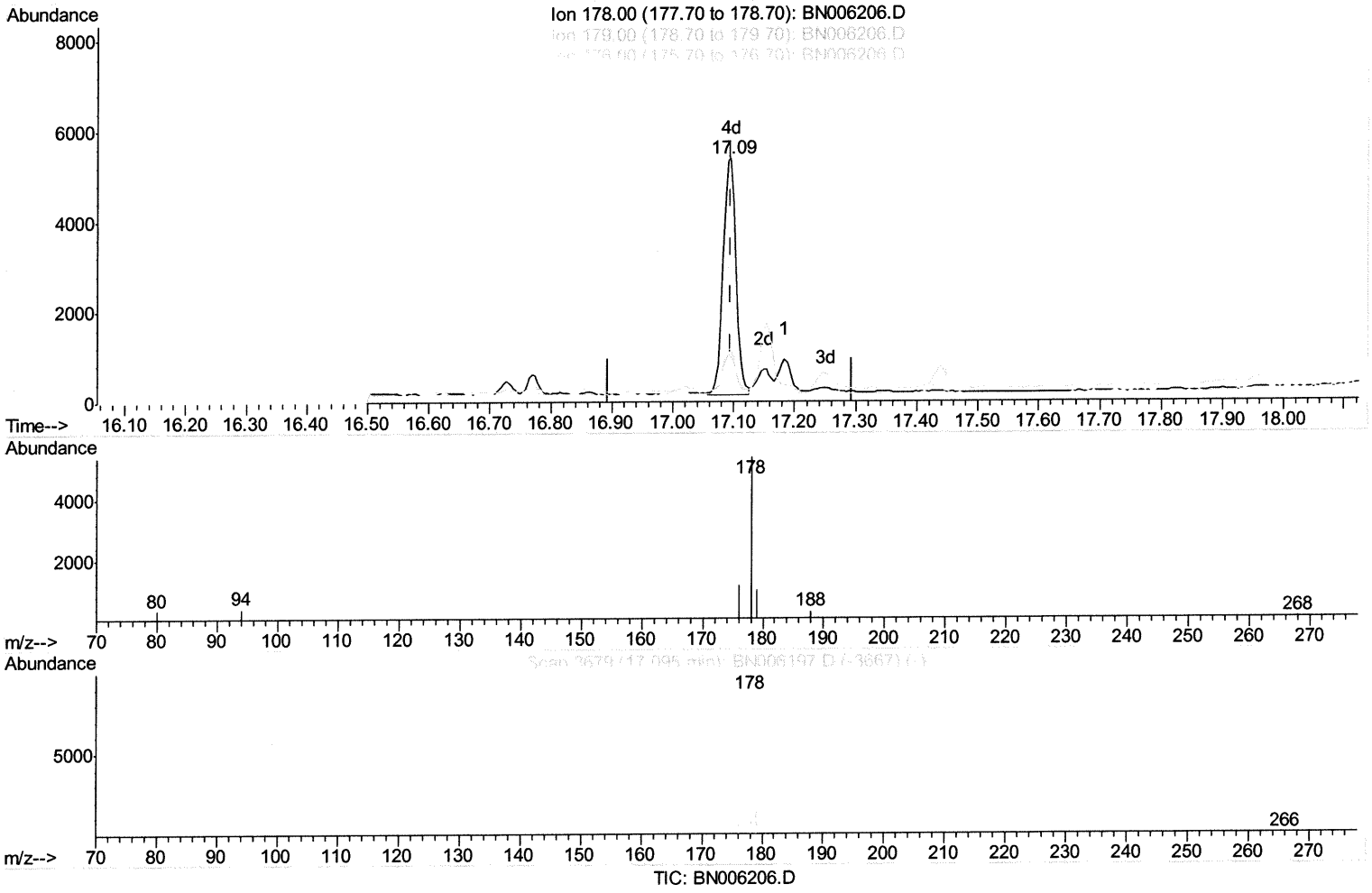
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(12) Phenanthrene

17.094min (-0.000) 0.11ng/ul m

JU 06/10/19

response 7661

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	19.06#
176.00	19.10	21.28
0.00	0.00	0.00

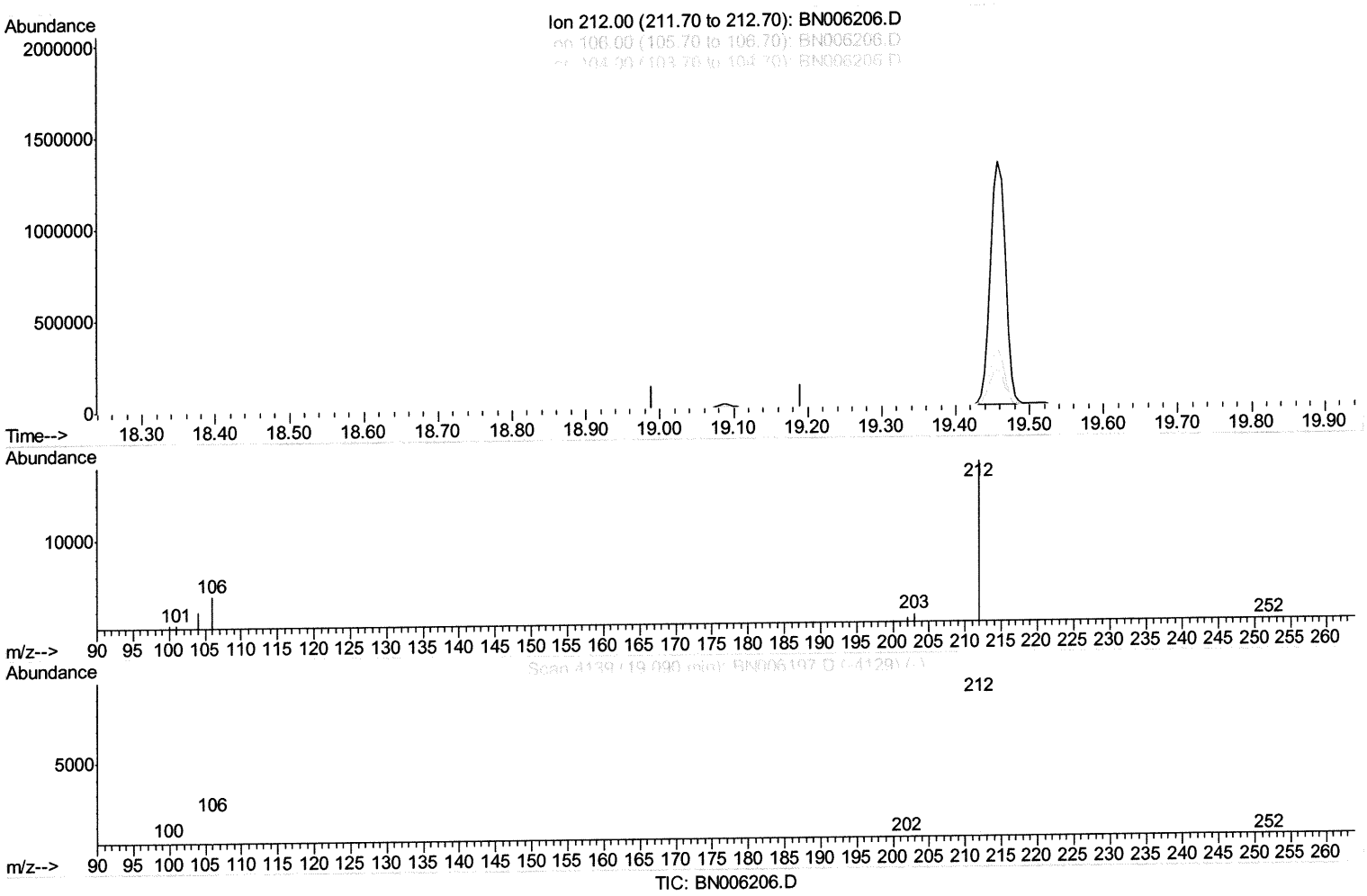
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(14) Fluoranthene-d10 (SURR)

19.090min (-19.090) 0.00ng/ul

response 0

Ion	Exp%	Act%
212.00	100	0.00
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

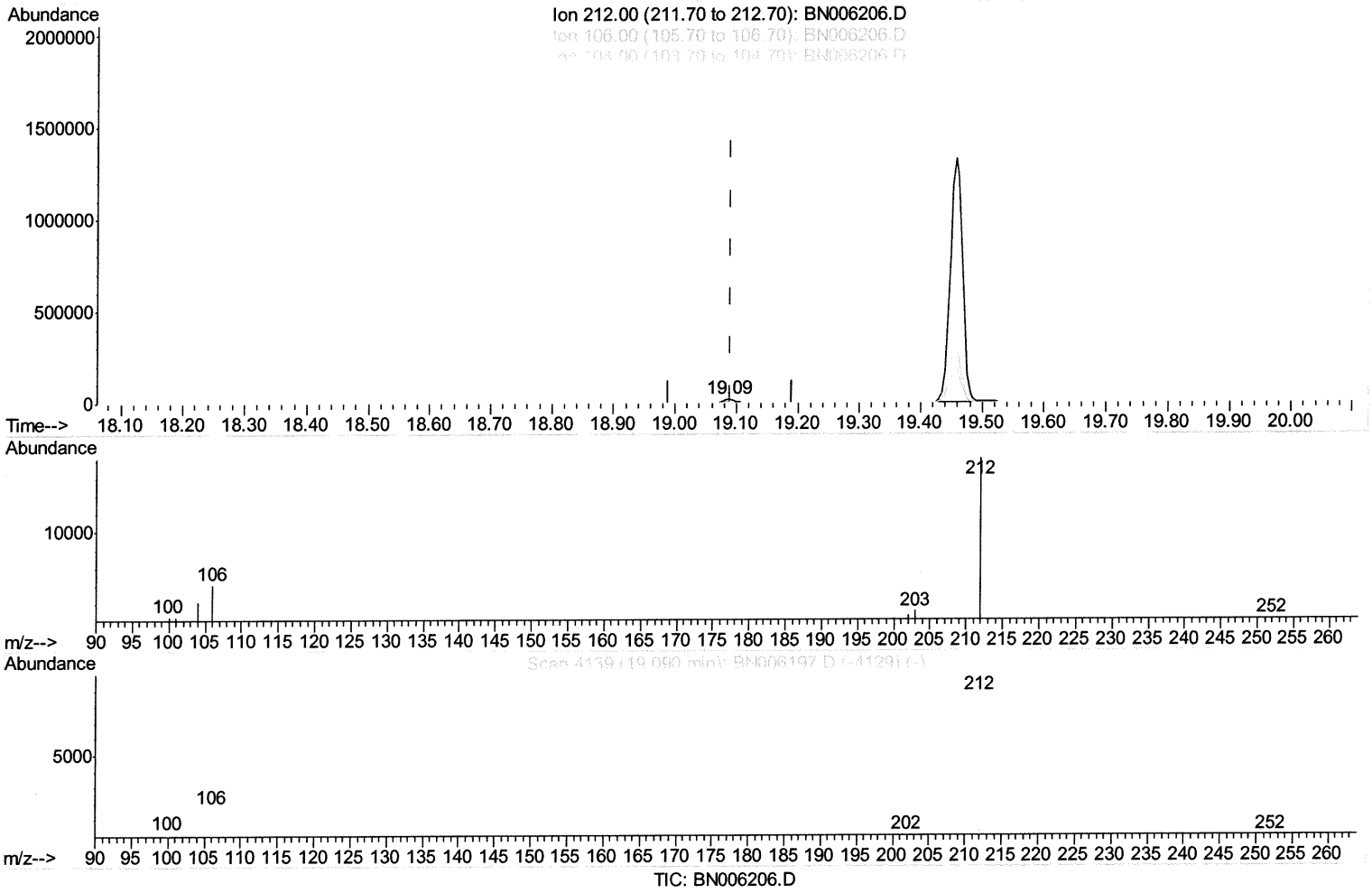
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(14) Fluoranthene-d10 (SURR) JU 06/10/19

19.085min (-0.005) 0.43ng/ul m

response 24462

Ion	Exp%	Act%
212.00	100	100
106.00	18.10	0.00#
104.00	9.90	0.00#
0.00	0.00	0.00

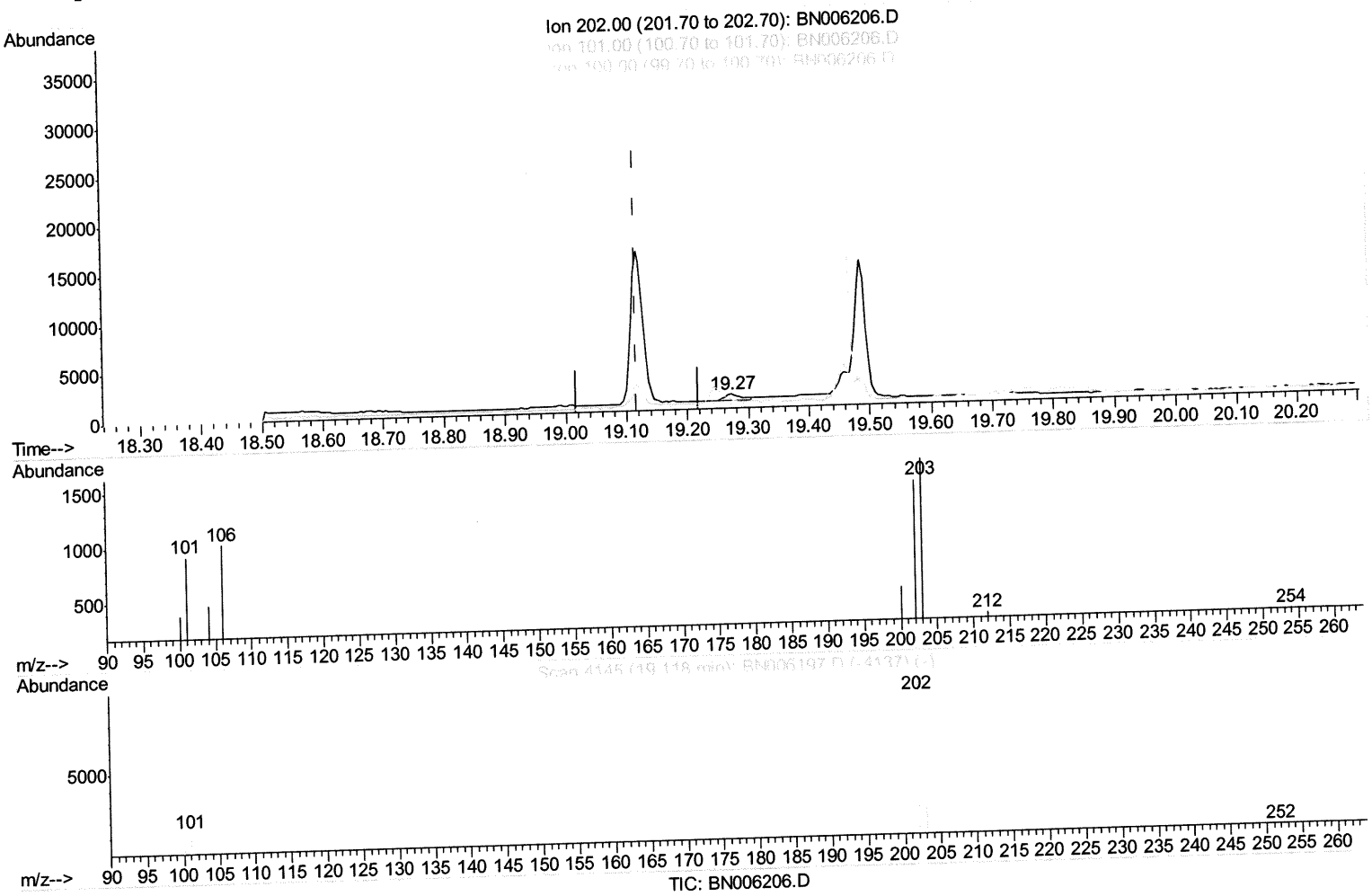
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(15) Fluoranthene (C)

19.271min (+0.153) 0.02ng/ul

response 1122

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	63.77#
100.00	8.70	26.07
0.00	0.00	0.00

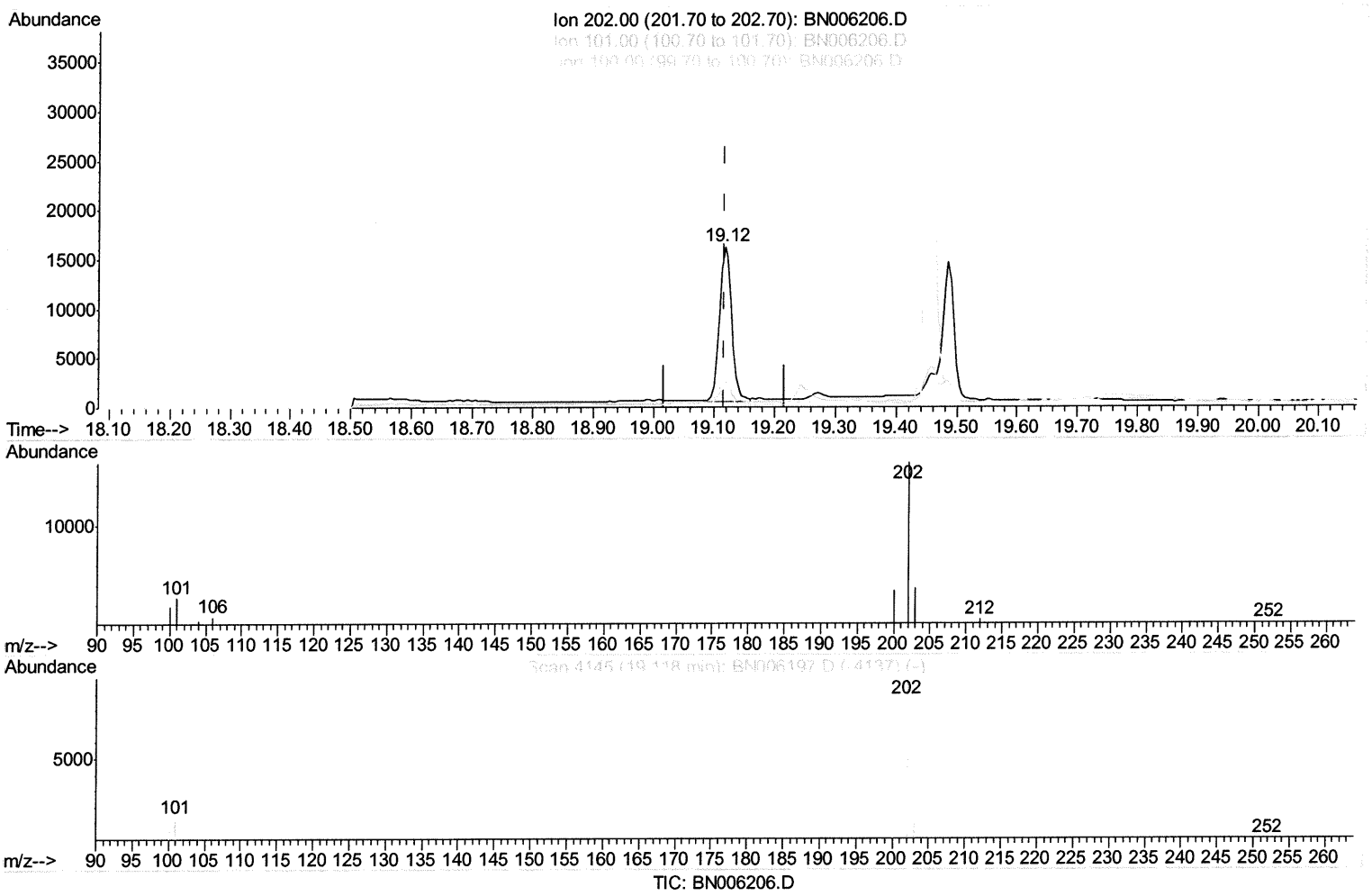
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(15) Fluoranthene (C)

19.118min (-0.000) 0.29ng/ul m

JU 06/10/19

response 21929

Ion	Exp%	Act%
202.00	100	100
101.00	12.10	16.86
100.00	8.70	11.68
0.00	0.00	0.00

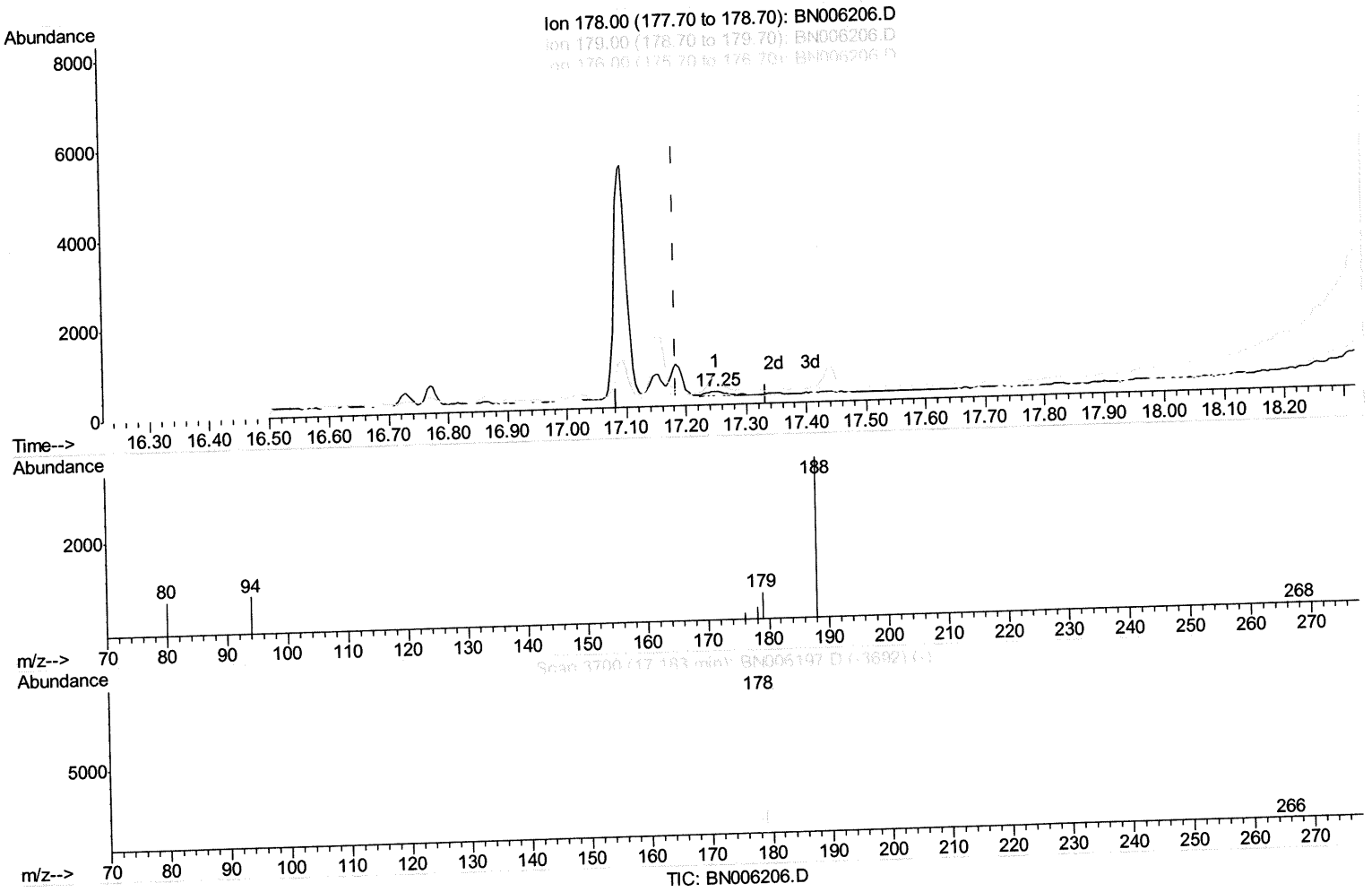
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(13) Anthracene

17.251min (+0.067) 0.00ng/ul

response 234

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	206.67#
176.00	18.90	65.00#
0.00	0.00	0.00

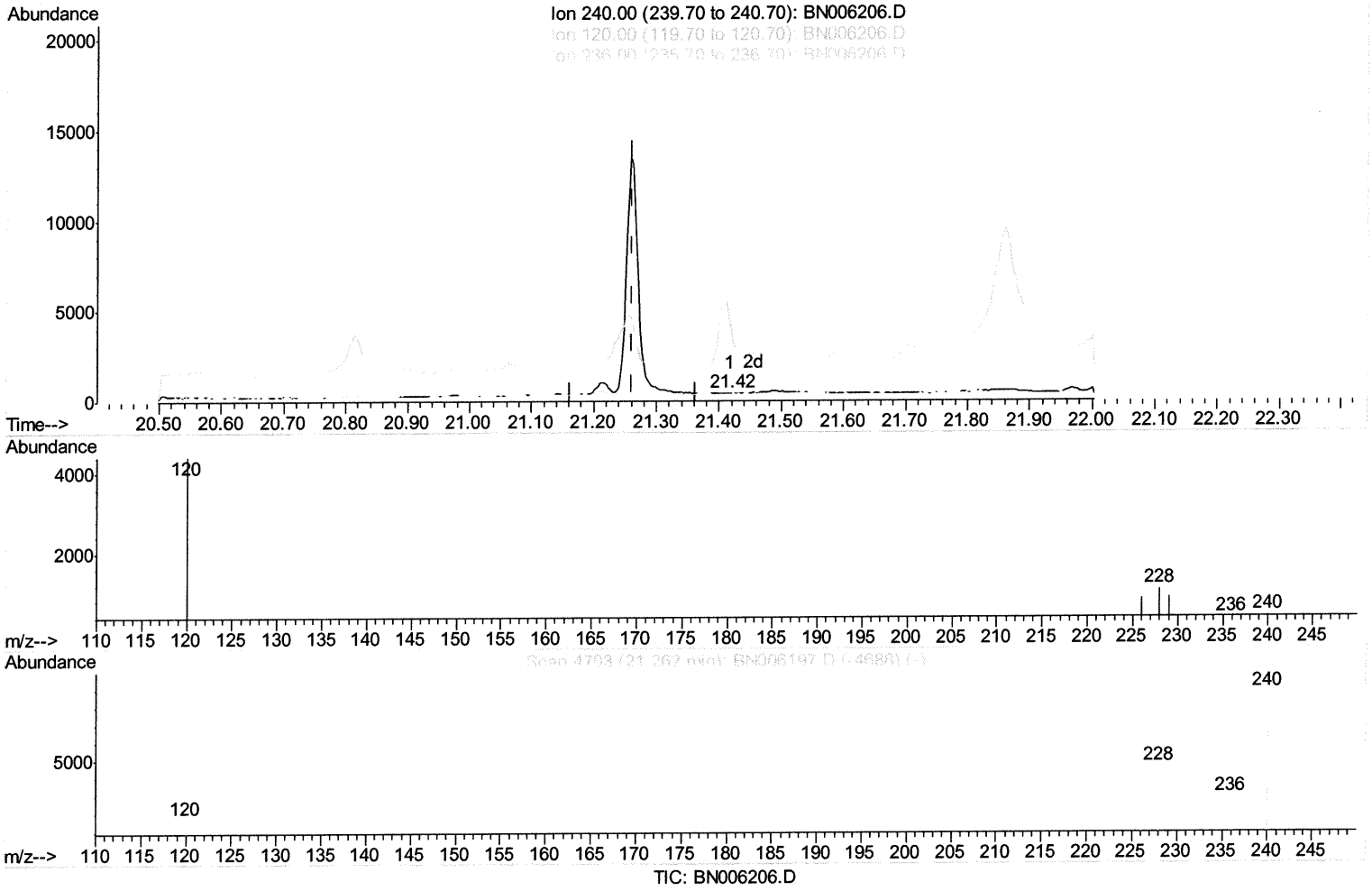
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(16) Chrysene-d12 (I)

21.417min (+0.155) 0.40ng/ul

response 34

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	1012.81#
236.00	30.10	90.39#
0.00	0.00	0.00

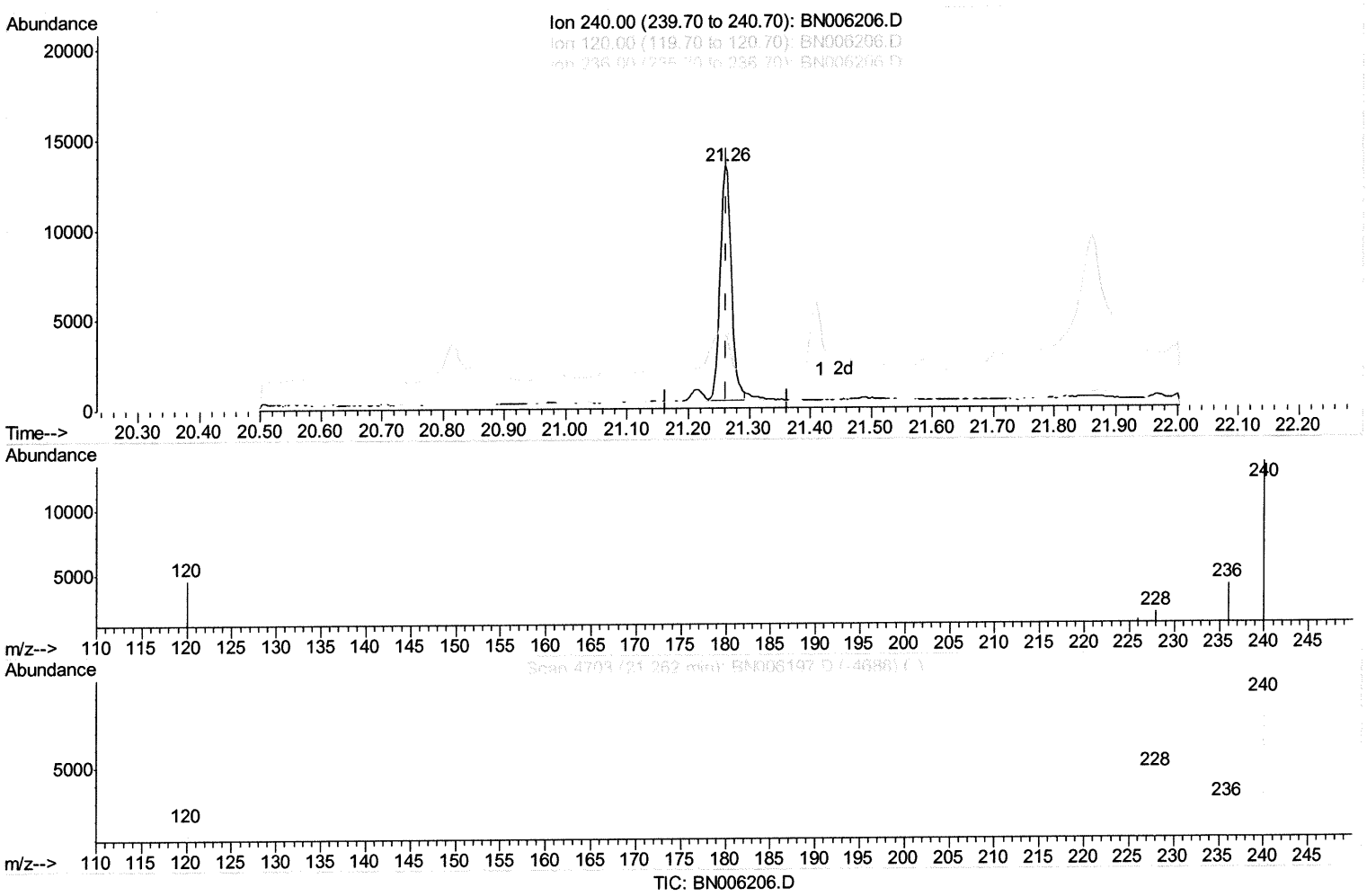
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:31:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(16) Chrysene-d12 (I)

21.259min (-0.003) 0.40ng/ul m JU 06/10/19

response 16516

Ion	Exp%	Act%
240.00	100	100
120.00	20.10	34.27#
236.00	30.10	30.40
0.00	0.00	0.00

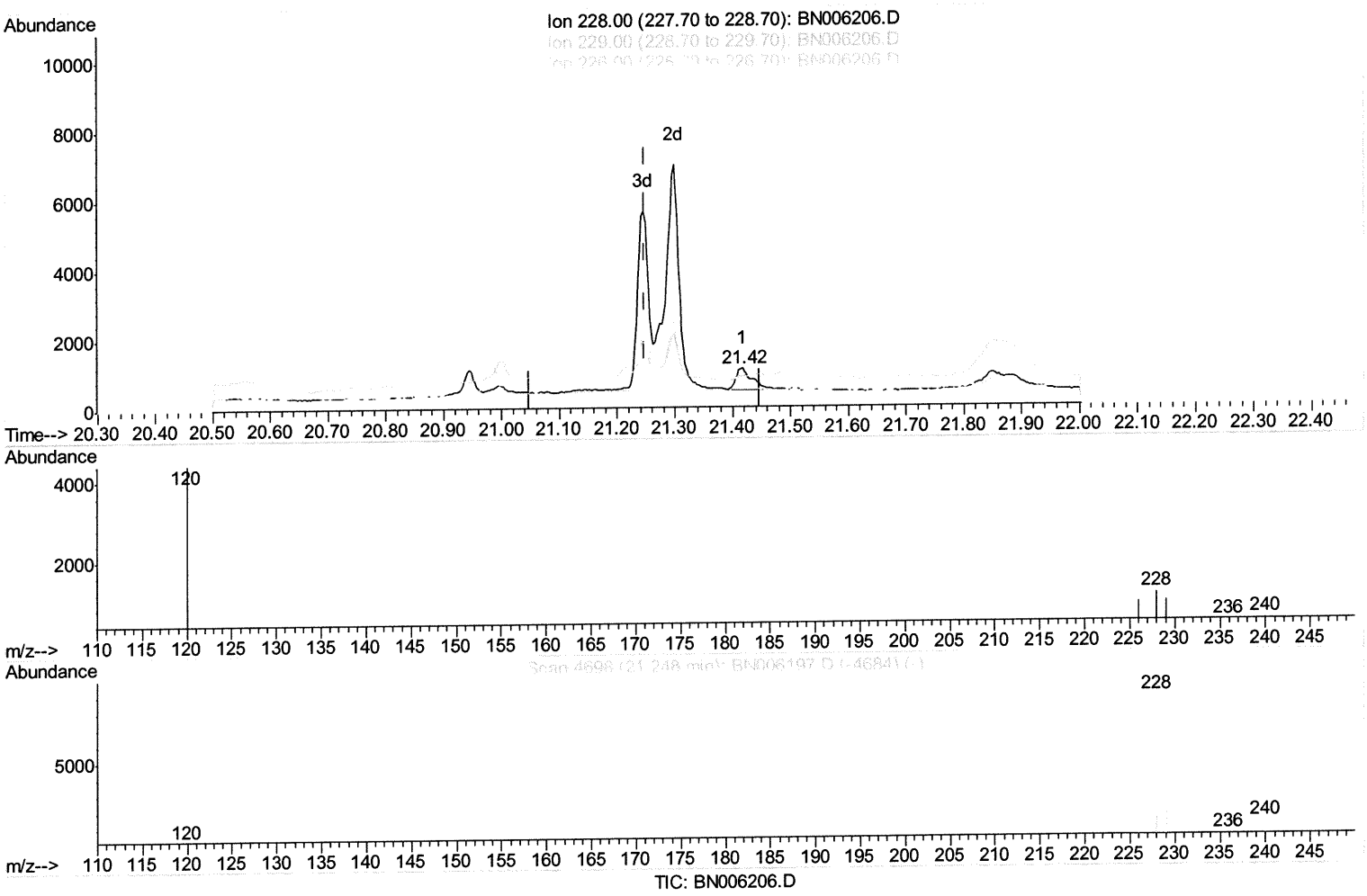
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:33:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(18) Benzo(a)anthracene

21.417min (+0.169) 0.02ng/ul

response 1189

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	80.57#
226.00	28.50	79.01#
0.00	0.00	0.00

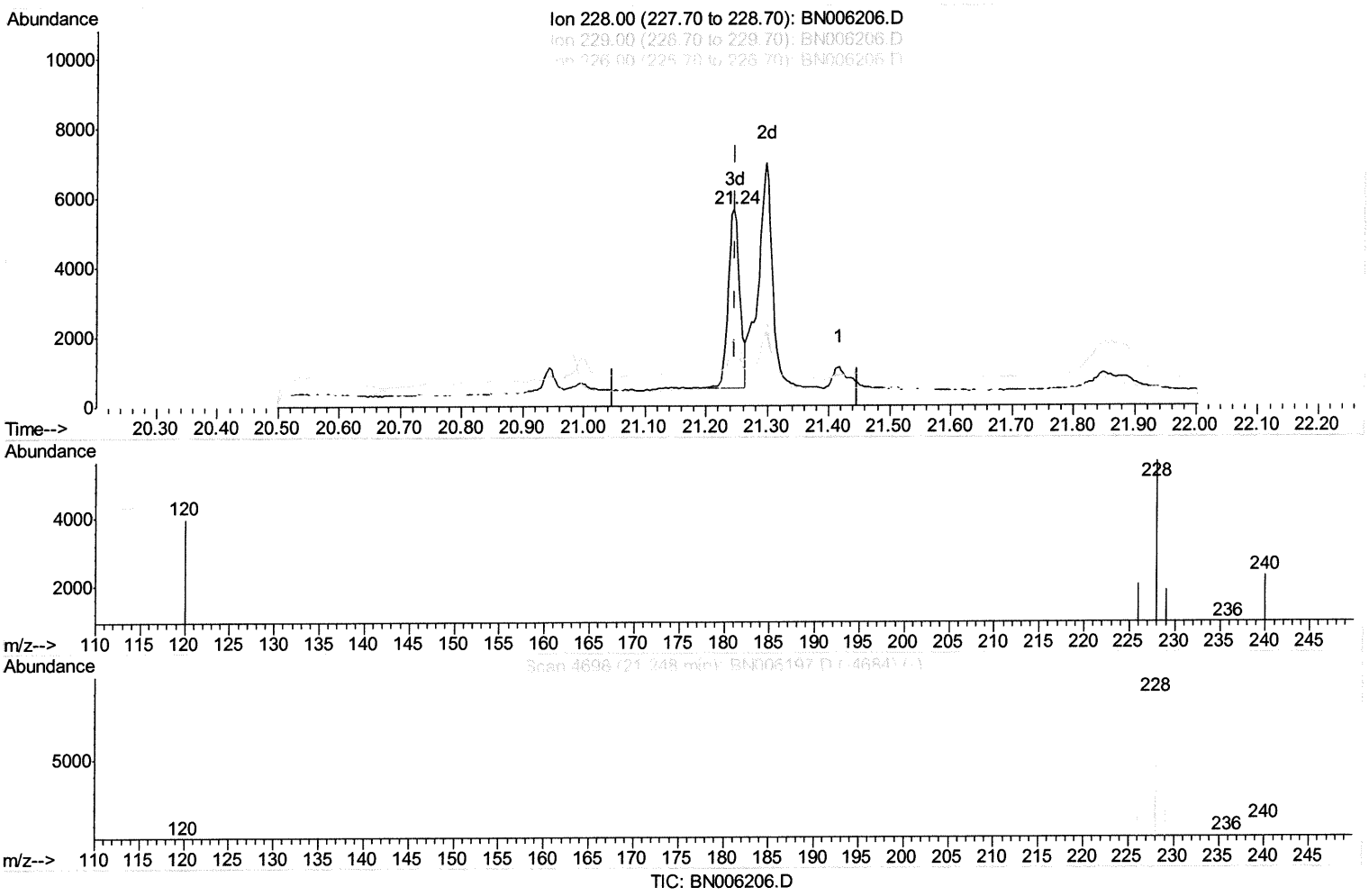
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:33:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(18) Benzo(a)anthracene

21.245min (-0.003) 0.09ng/ul m JU 06/10/19

response 6652

Ion	Exp%	Act%
228.00	100	100
229.00	20.60	33.09#
226.00	28.50	35.90#
0.00	0.00	0.00

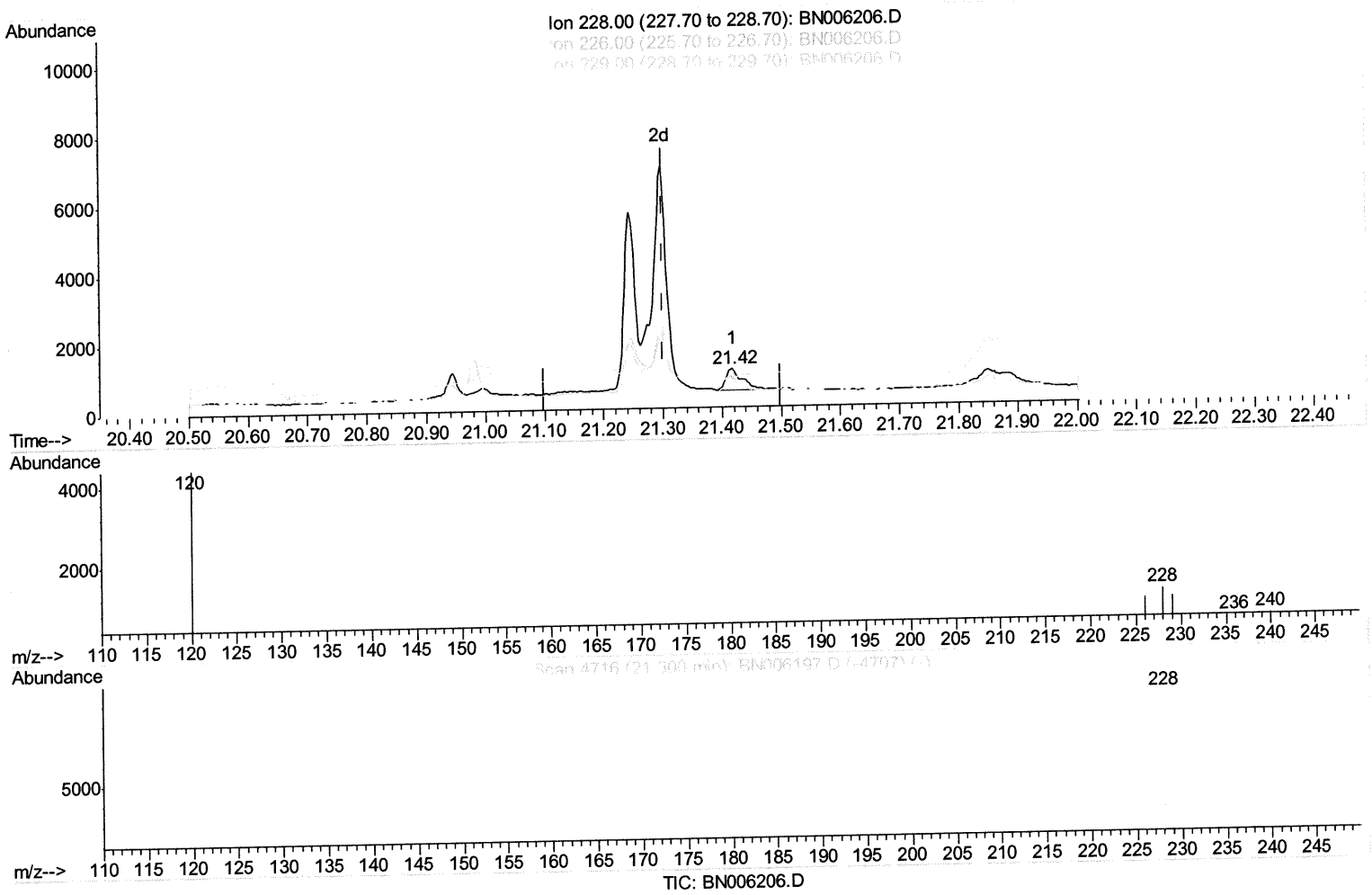
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:33:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(19) Chrysene

21.417min (+0.117) 0.02ng/ul

response 1189

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	79.01#
229.00	20.40	80.57#
0.00	0.00	0.00

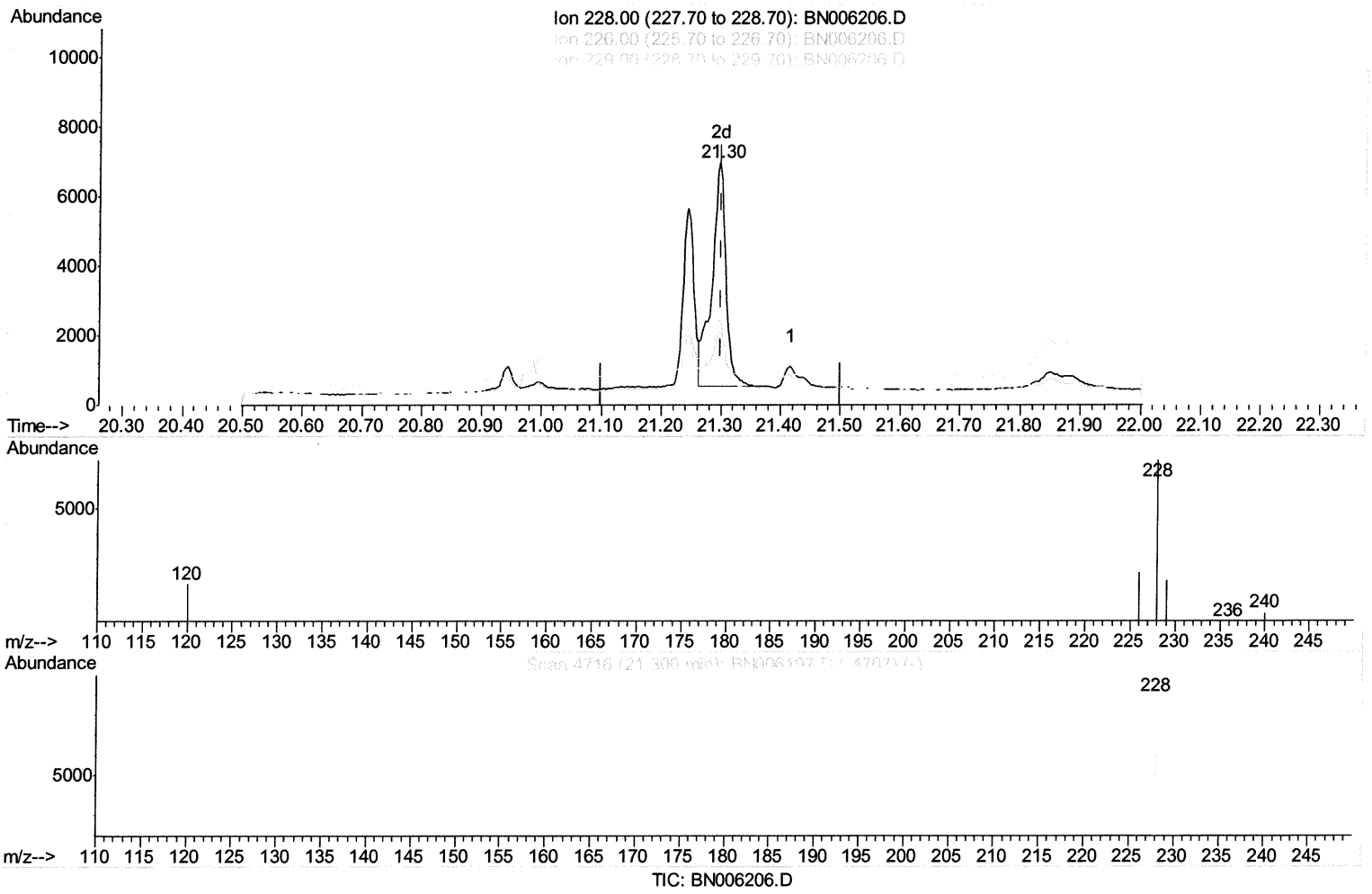
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:33:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(19) Chrysene

21.297min (-0.003) 0.15ng/ul m JU 06/10/19

response 10598

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	34.89
229.00	20.40	30.27#
0.00	0.00	0.00

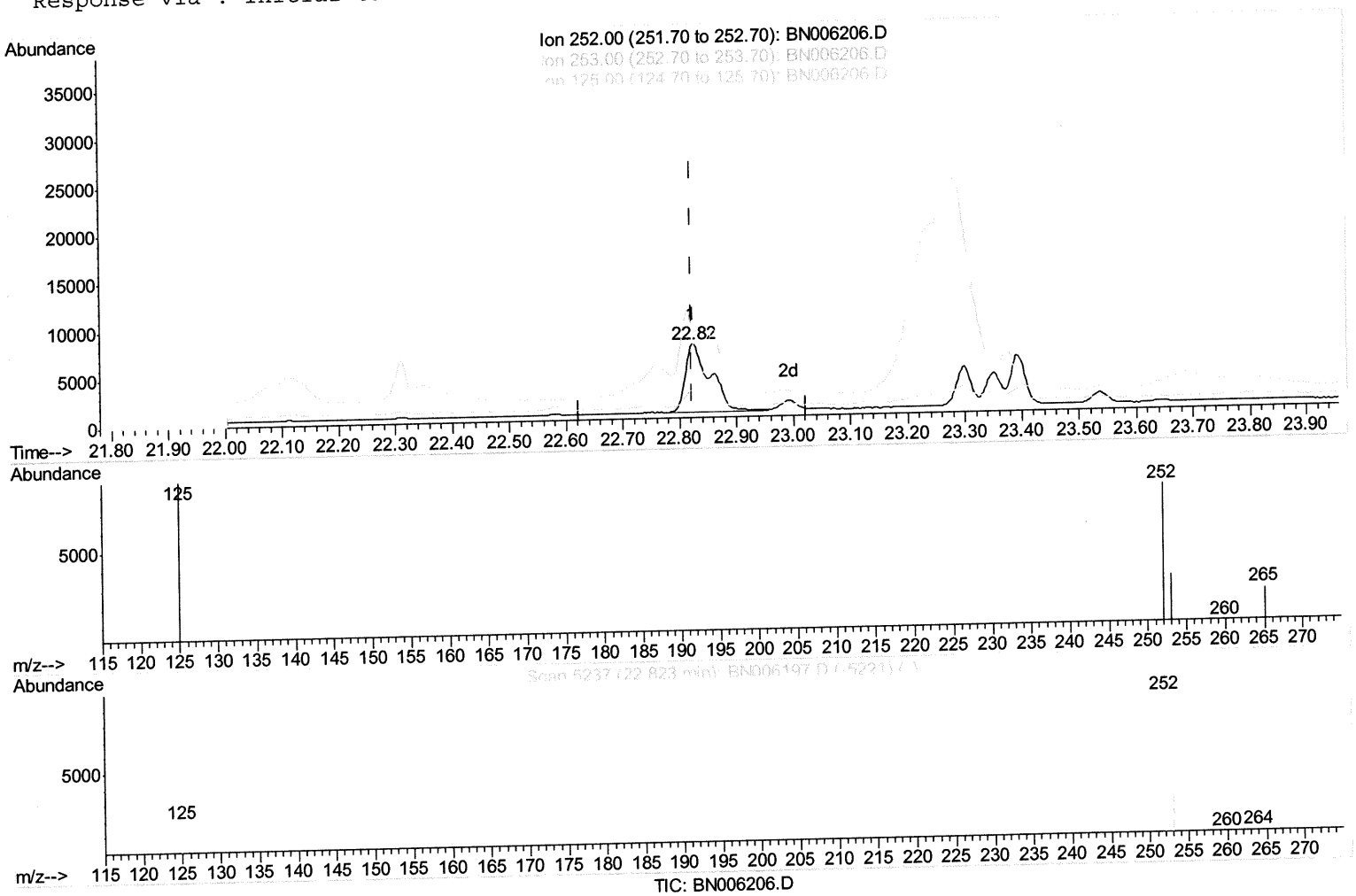
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:33:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(21) Benzo(b)fluoranthene

22.823min (-0.000) 0.18ng/ul

response 21473

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	36.81
125.00	20.50	113.97#
0.00	0.00	0.00

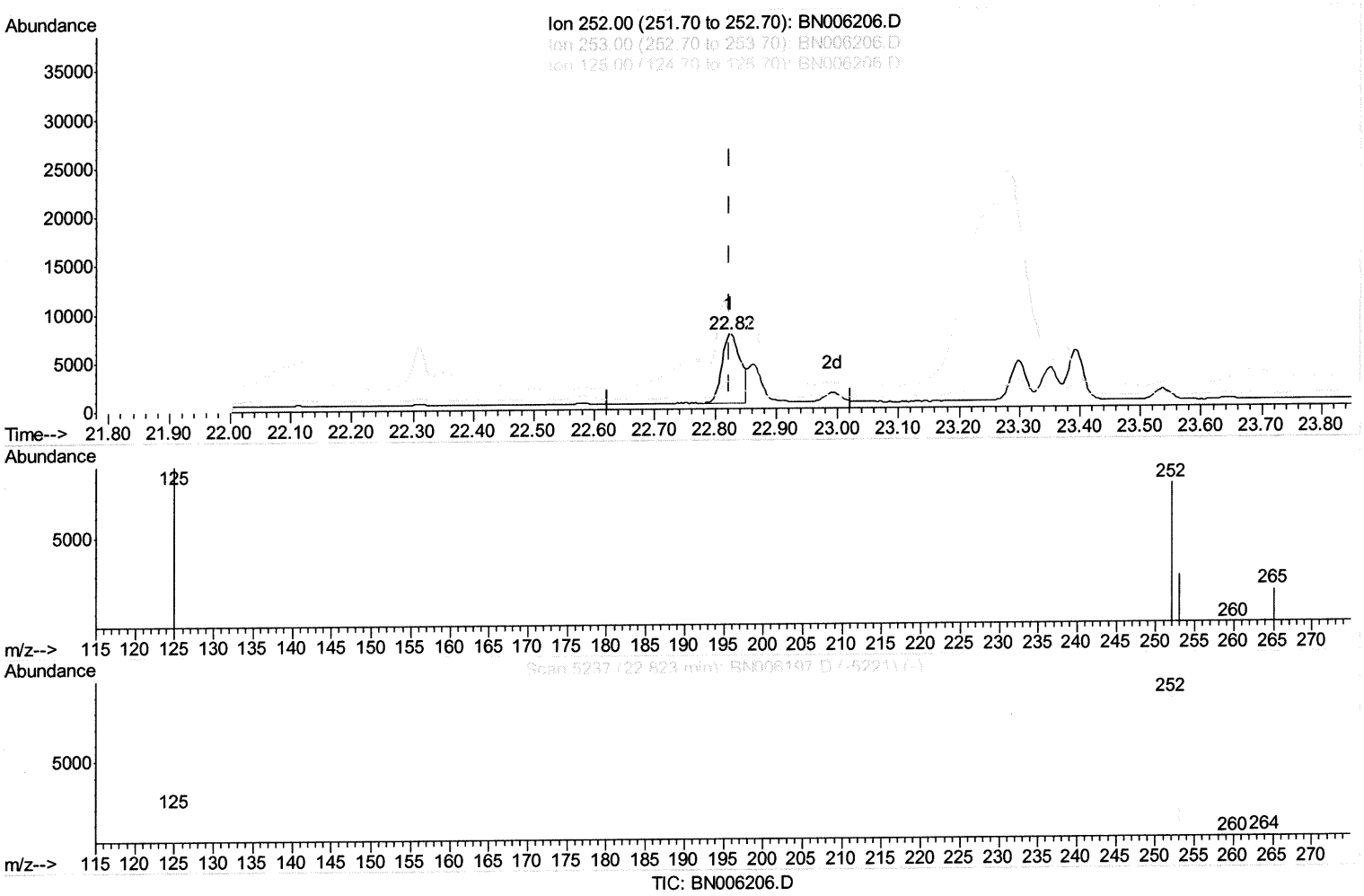
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:33:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(21) Benzo(b)fluoranthene

22.823min (-0.000) 0.12ng/ul m

JU 06/10/19

response 14903

Ion	Exp%	Act%
252.00	100	100
253.00	25.70	36.81
125.00	20.50	113.97#
0.00	0.00	0.00

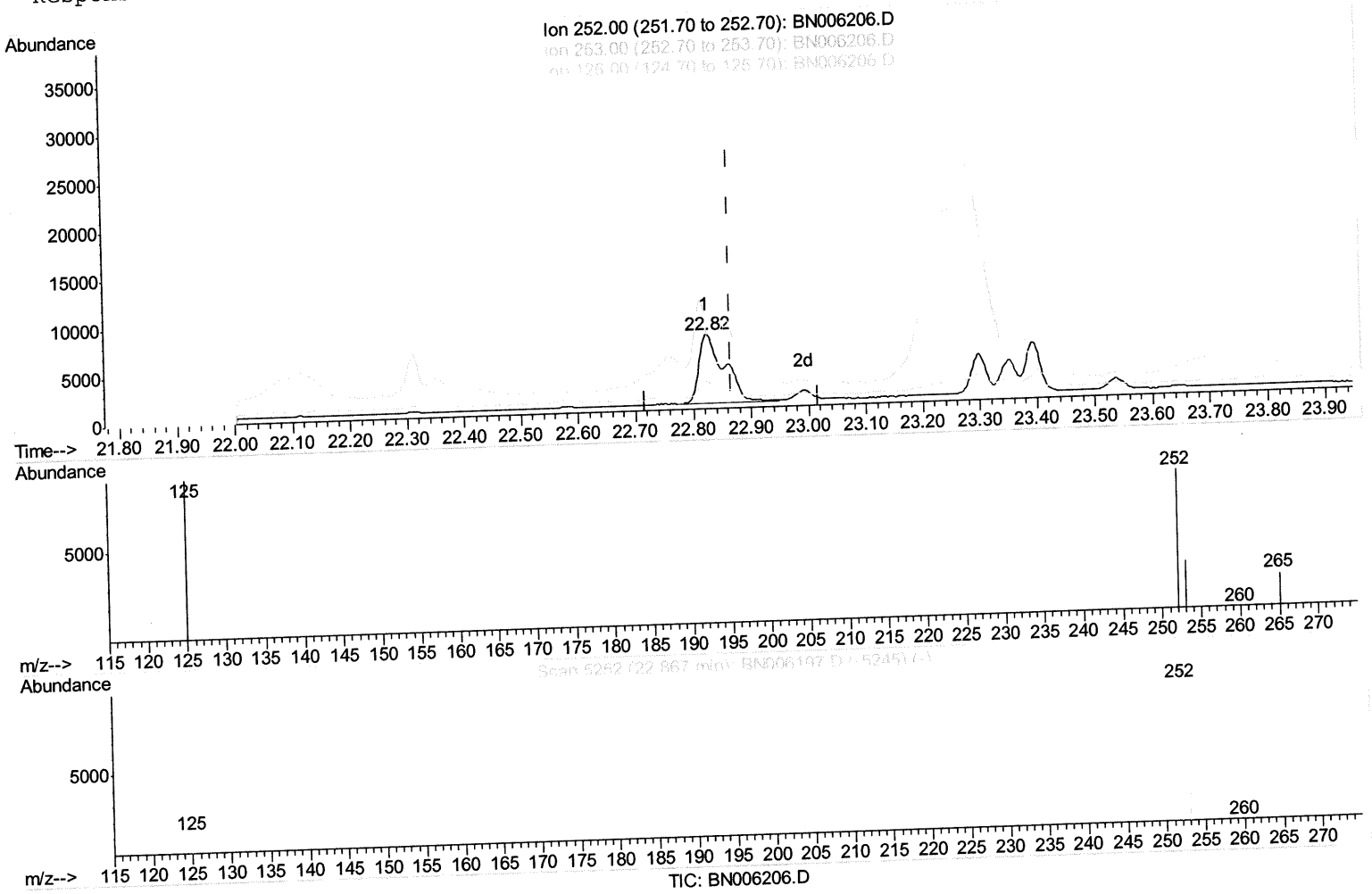
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:33:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



(22) Benzo(k)fluoranthene

22.823min (-0.044) 0.18ng/ul

response 21480

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	36.81#
125.00	17.90	113.97#
0.00	0.00	0.00

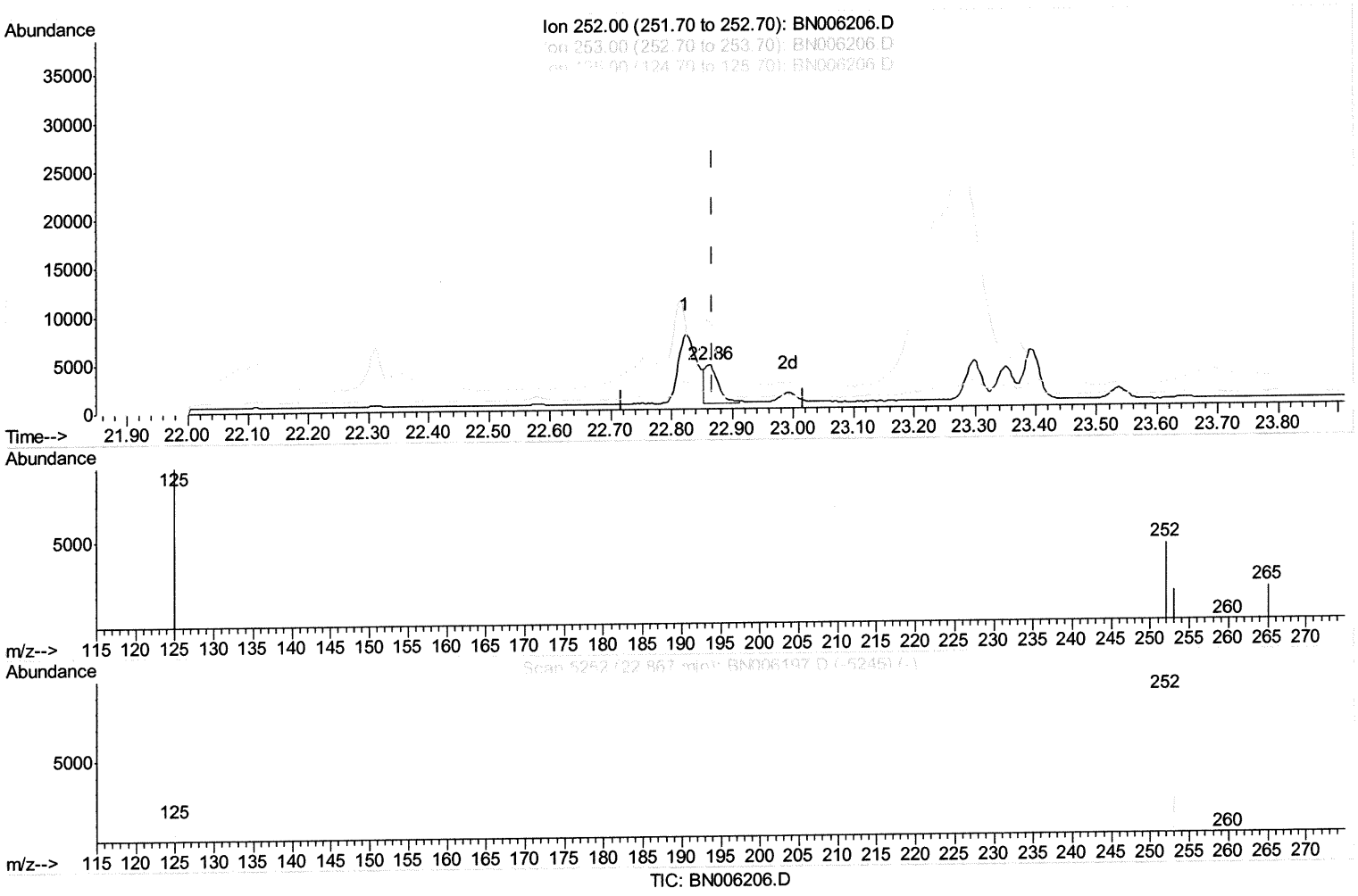
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:33:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM



TIC: BN006206.D

(22) Benzo(k)fluoranthene

22.861min (-0.006) 0.05ng/ul m JU 06/10/19

response 6084

Ion	Exp%	Act%
252.00	100	100
253.00	25.40	42.92#
125.00	17.90	201.12#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Instrument :
BNA_N
ClientSampleId :
A51E5

Manual Integrations APPROVED
mohammad
6/11/2019 4:32:07 PM

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060819\
Data File : BN006206.D
Acq On : 09 Jun 2019 00:49
Operator : JU/SJ
Sample : K3017-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 10 02:35:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN053019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Jun 09 05:10:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4739	0.40	ng/ul	0.00
2) Naphthalene-d8	10.43	136	18113	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	10130	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	21009m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	16516m	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	29165	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.02	152	10911	0.39	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	24462m	0.43	ng/ul	0.00
Target Compounds						Qvalue
7) Acenaphthylene	14.01	152	1769	0.031	ng/ul#	71
12) Phenanthrene	17.09	178	7661m	0.114	ng/ul	
15) Fluoranthene	19.12	202	21929m	0.294	ng/ul	
17) Pyrene	19.49	202	20959	0.241	ng/ul#	93
18) Benzo(a)anthracene	21.24	228	6652m	0.091	ng/ul	
19) Chrysene	21.30	228	10598m	0.155	ng/ul	
21) Benzo(b)fluoranthene	22.82	252	14903m	0.123	ng/ul	
22) Benzo(k)fluoranthene	22.86	252	6084m	0.051	ng/ul	
23) Benzo(a)pyrene	23.39	252	9255	0.082	ng/ul#	54
24) Indeno(1,2,3-cd)pyrene	25.72	276	7766	0.063	ng/ul#	91
26) Benzo(g,h,i)perylene	26.41	276	8763	0.085	ng/ul#	71

JJ 06/10/19

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