Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

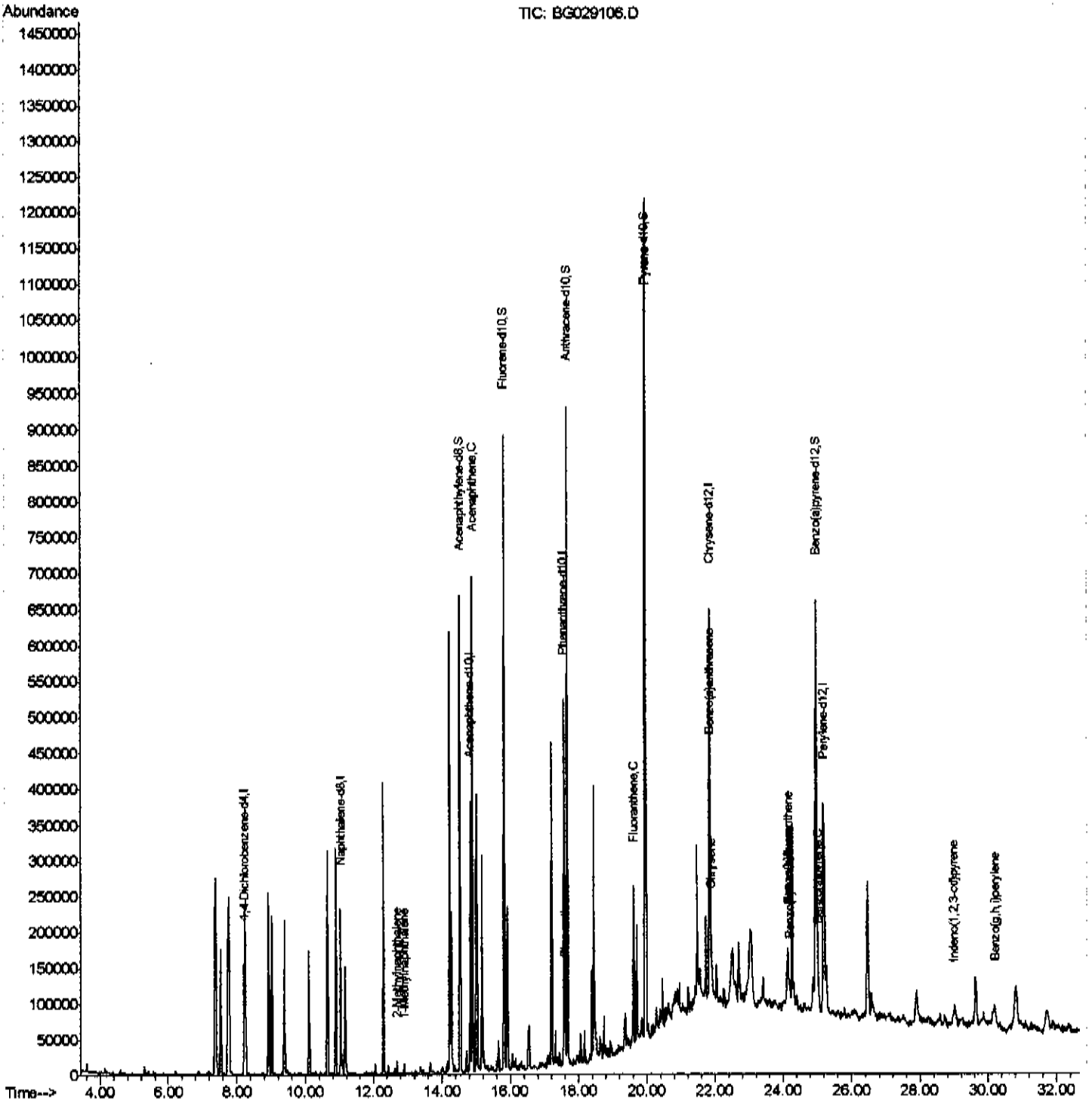
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:26:56 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

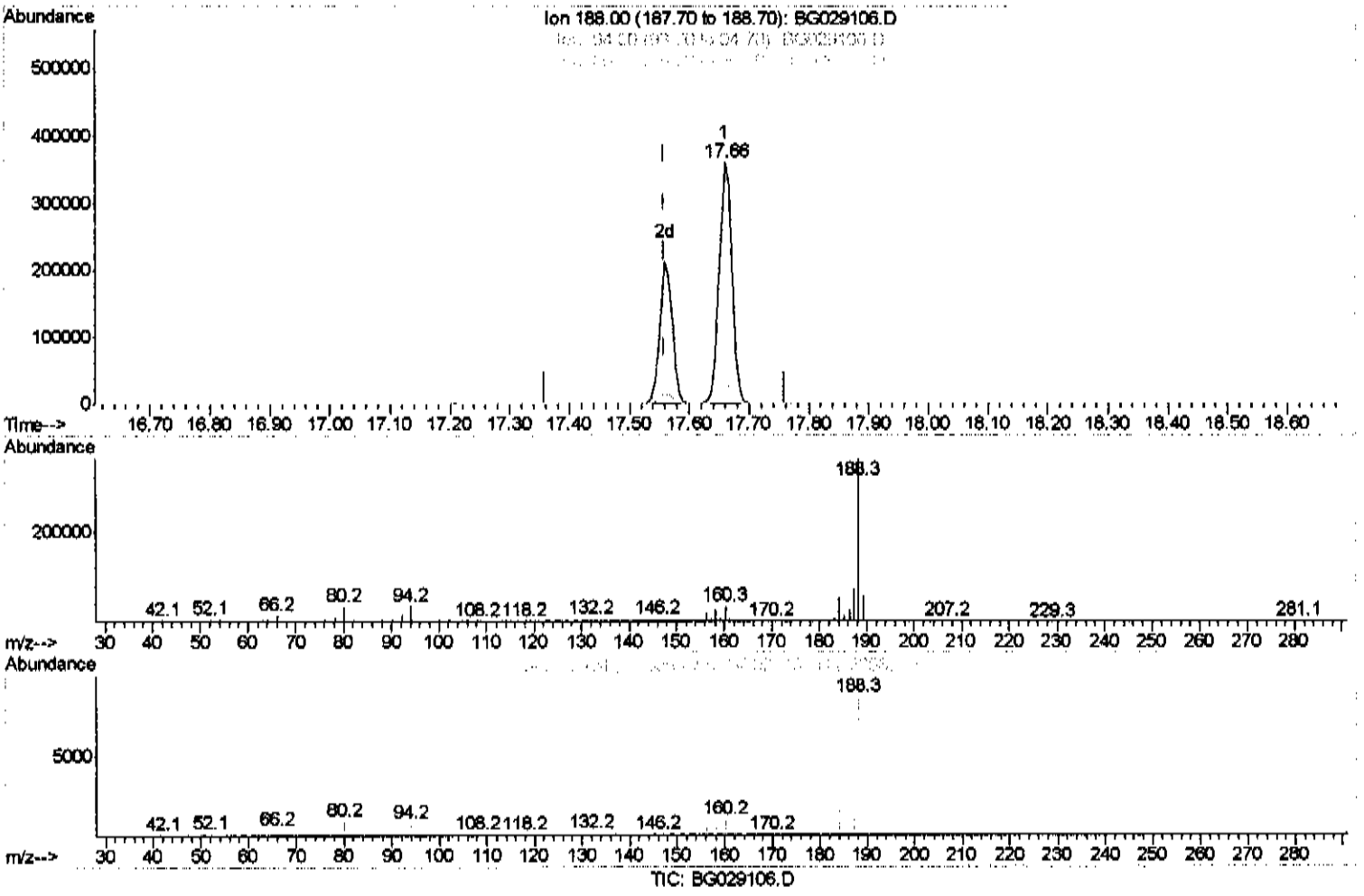
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 04:47:25 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(12) Phenanthrene-d10 (I)

17.659min (+0.101) 20.00ng/ul

response 538309

Ion	Exp%	Act%
188.00	100	100
94.00	9.30	9.33
80.00	10.60	9.03
0.00	0.00	0.00

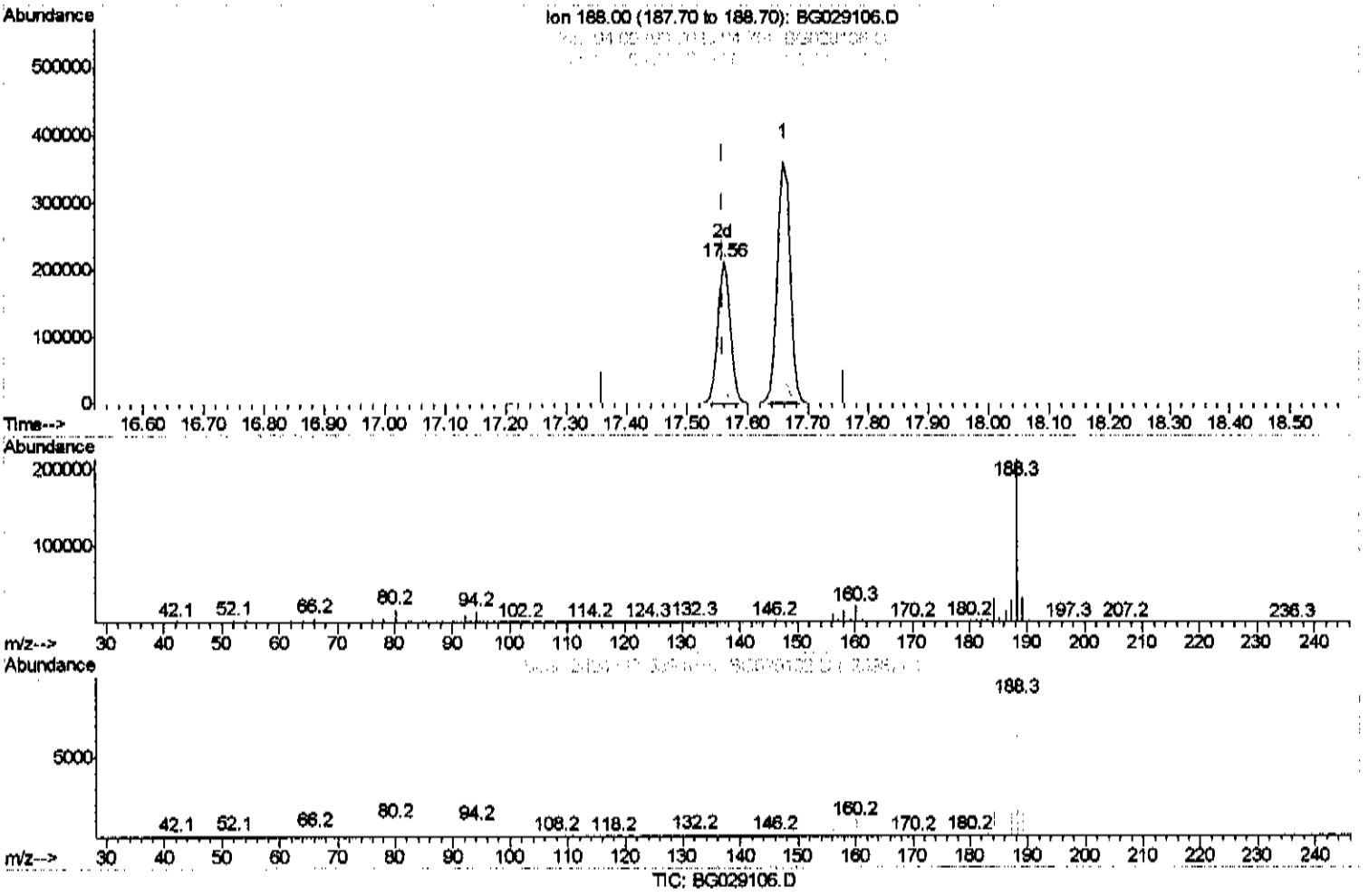
Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 04:47:25 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(12) Phenanthrene-d10 (I)

17.560min (+0.001) 20.00ng/ul m JH 10/11/17

response 308674

Ion	Exp%	Act%
188.00	100	100
94.00	9.30	7.01#
80.00	10.60	8.43#
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

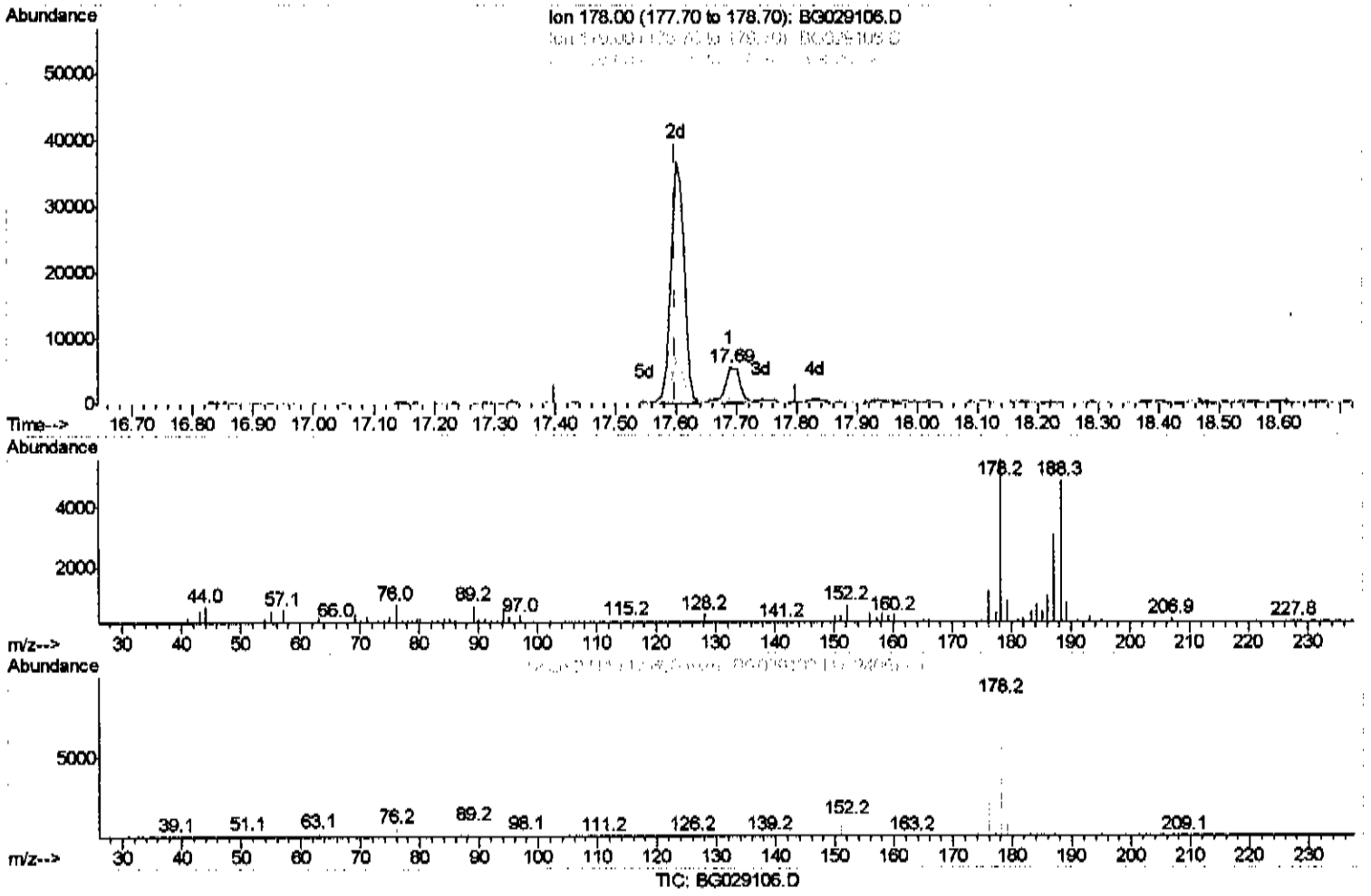
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:22:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(13) Phenanthrene

17.689min (+0.089) 0.55ng/ul

response 9133

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.65
176.00	18.90	21.59
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

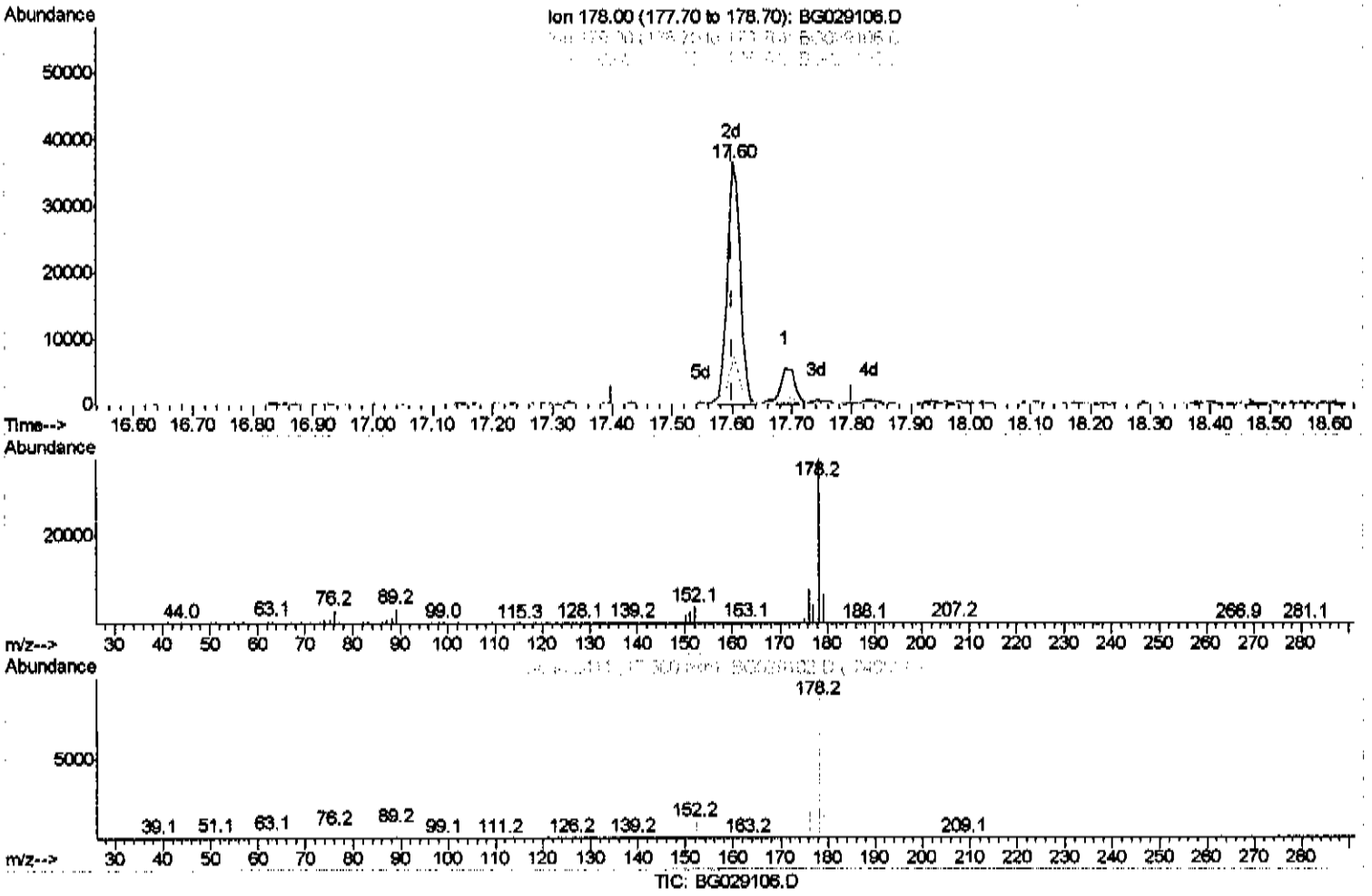
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:22:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(13) Phenanthrene

17.601min (+0.001) 3.43ng/ul m JU 10/11/17

response 56438

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	17.60
176.00	18.90	20.76
0.00	0.00	0.00

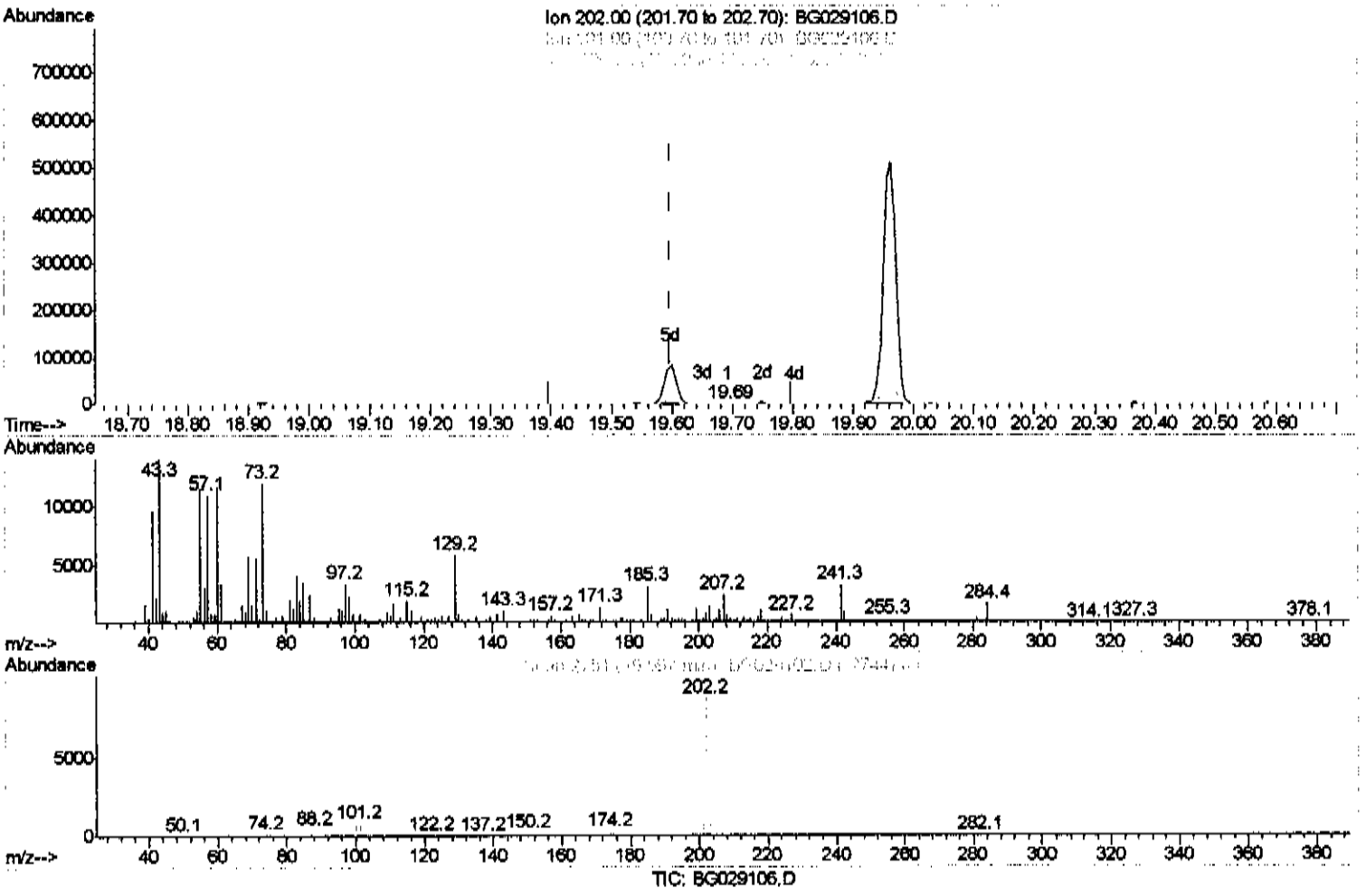
Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:22:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(16) Fluoranthene (C)

19.692min (+0.095) 0.03ng/ul

response 629

Ion	Exp%	Act%
202.00	100	100
101.00	12.40	86.91#
100.00	9.20	23.72#
0.00	0.00	0.00

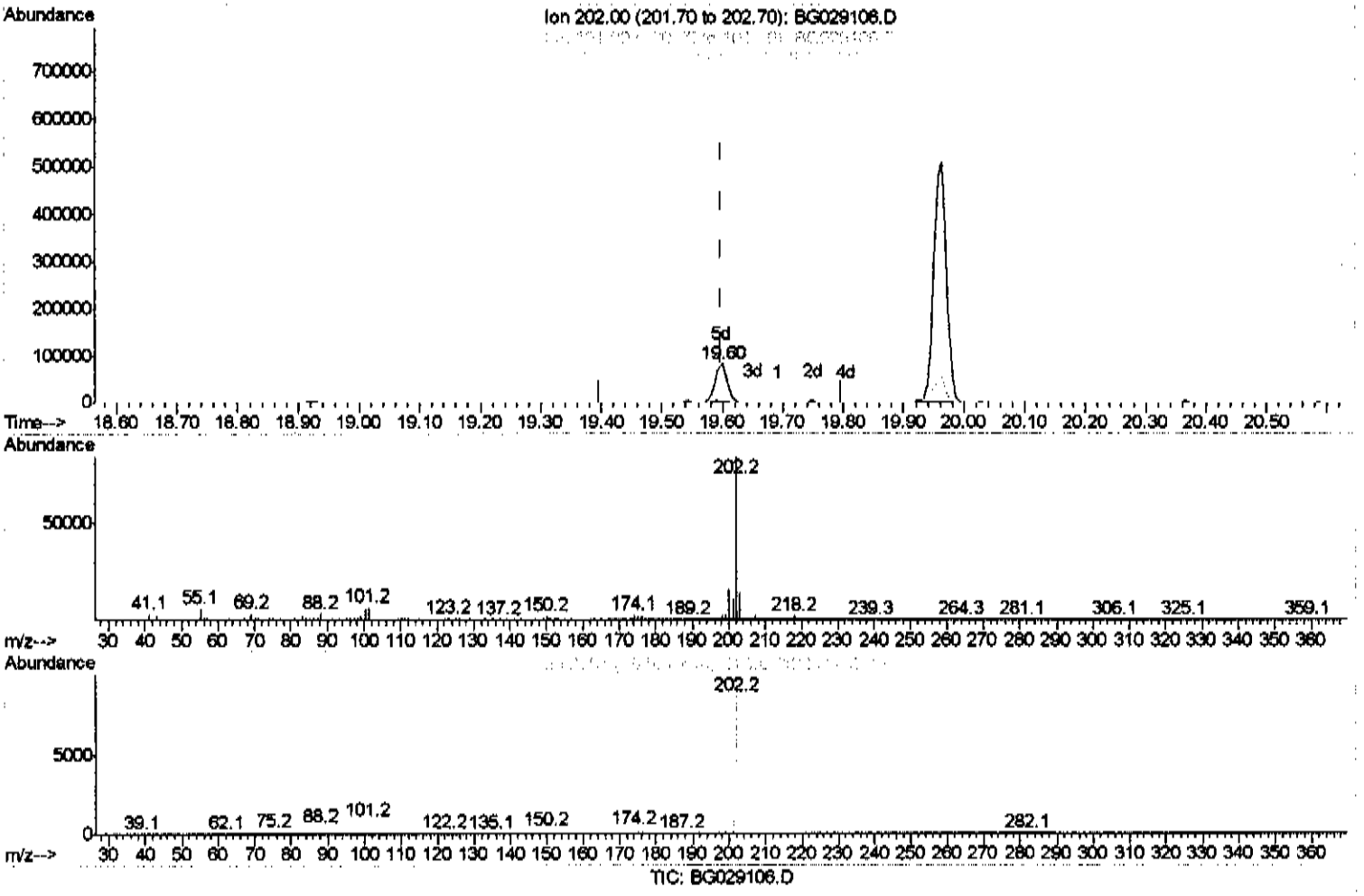
Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:22:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(16) Fluoranthene (C)

19.598min (+0.001) 5.87ng/ul m JU 10/11/17

response 113359

Ion	Exp%	Act%
202.00	100	100
101.00	12.40	7.94#
100.00	9.20	6.79#
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

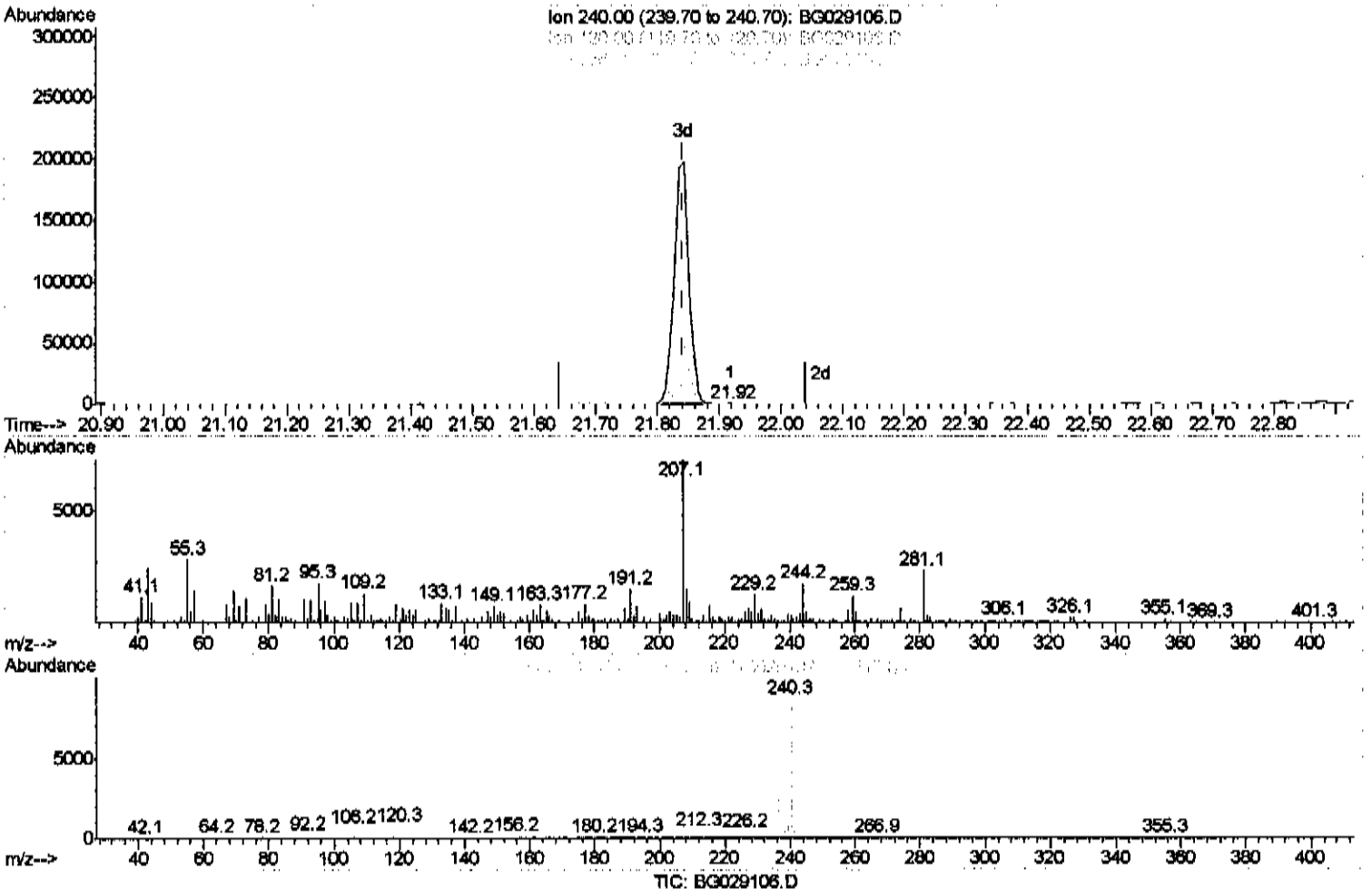
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:22:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(17) Chrysene-d12 (I)

21.918min (+0.077) 20.00ng/ul

response 374

Ion	Exp%	Act%
240.00	100	100
120.00	10.20	61.67#
236.00	27.20	51.67#
0.00	0.00	0.00

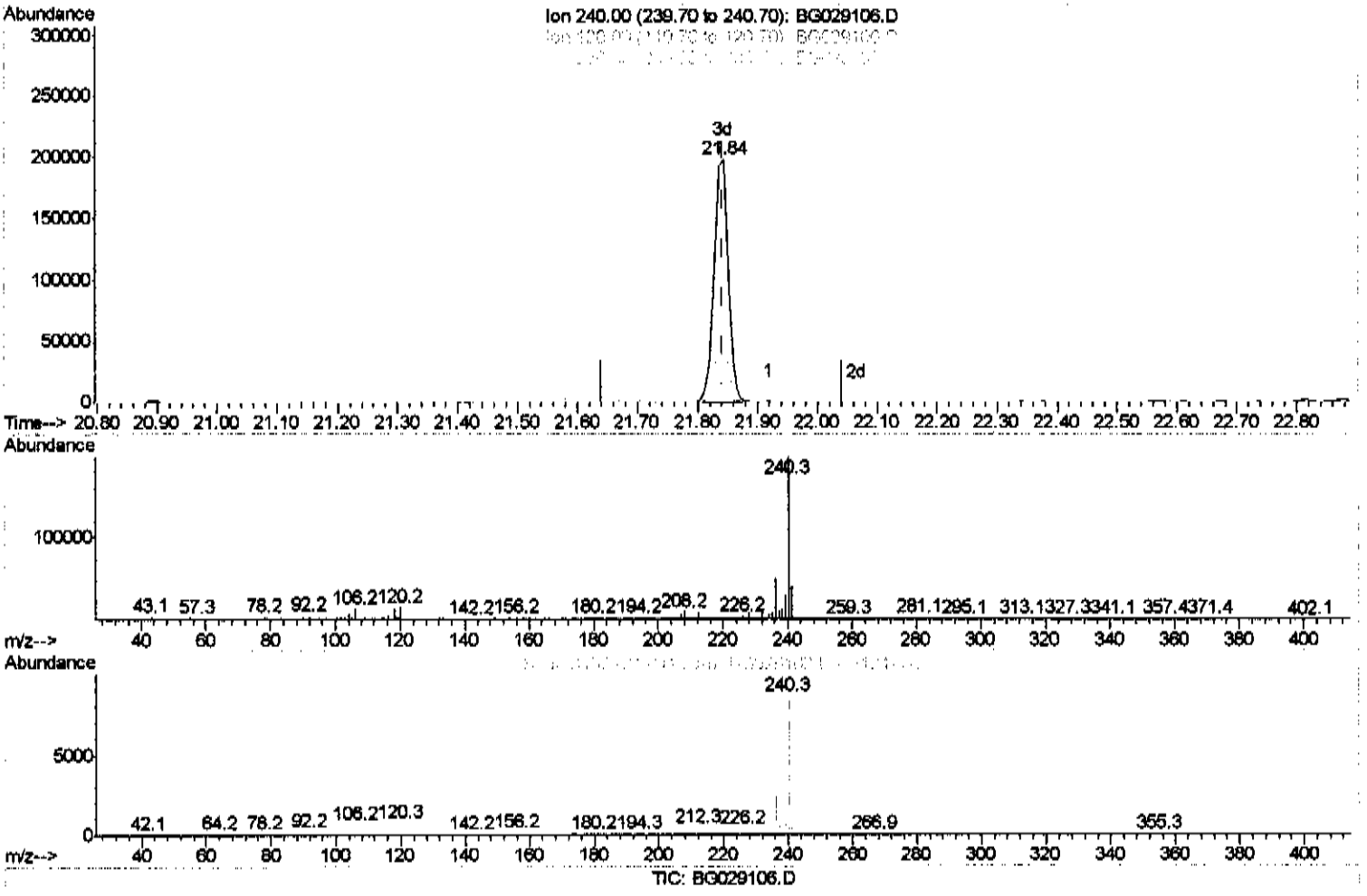
Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:22:30 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(17) Chrysene-d12 (I)

21.842min (+0.001) 20.00ng/ul m JU 10/11/17

response 329233

Ion	Exp%	Act%
240.00	100	100
120.00	10.20	7.38#
236.00	27.20	24.48
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

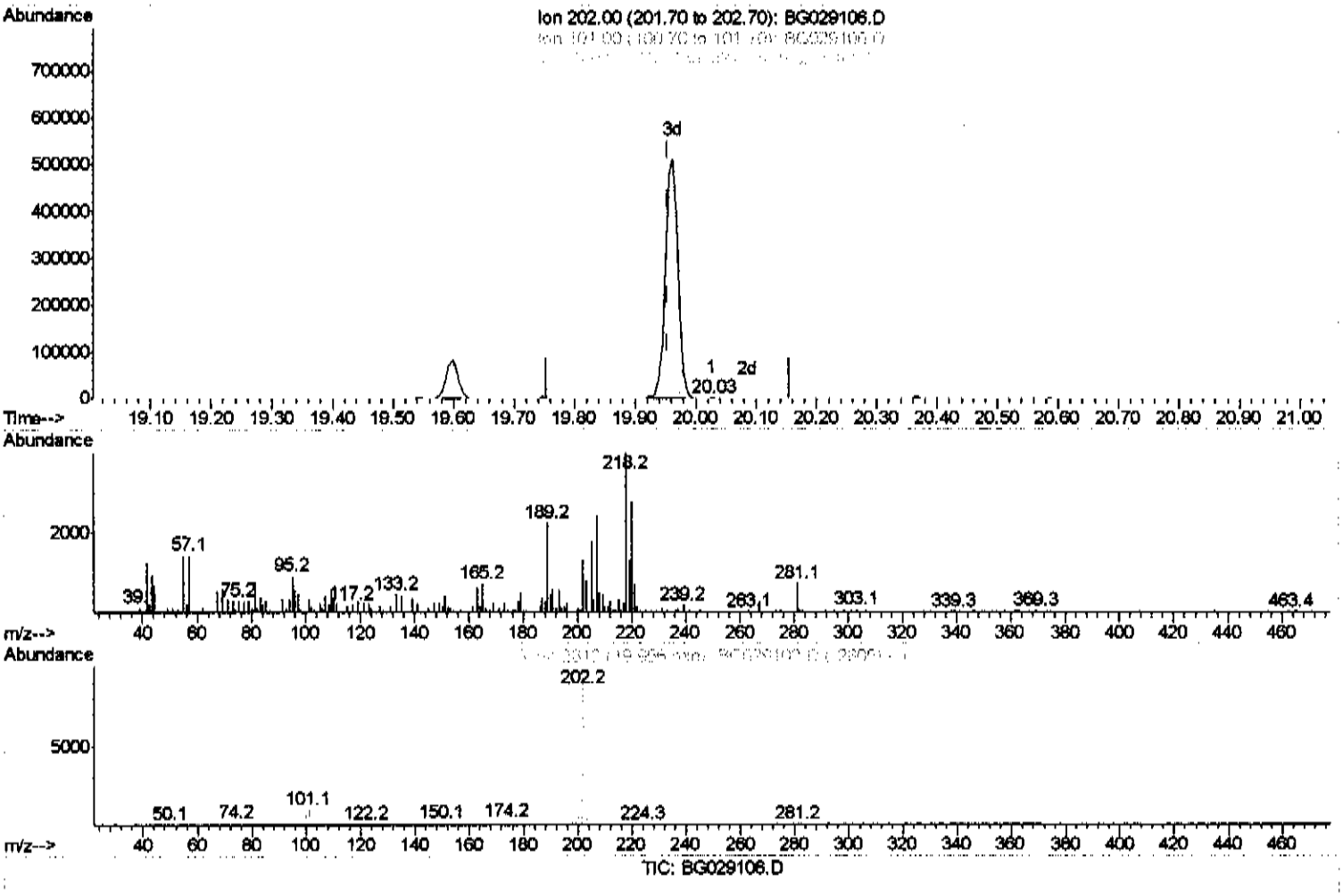
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:24:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(19) Pyrene

20.027min (+0.071) 0.05ng/ul

response 1094

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	34.36#
100.00	10.10	12.85#
0.00	0.00	0.00

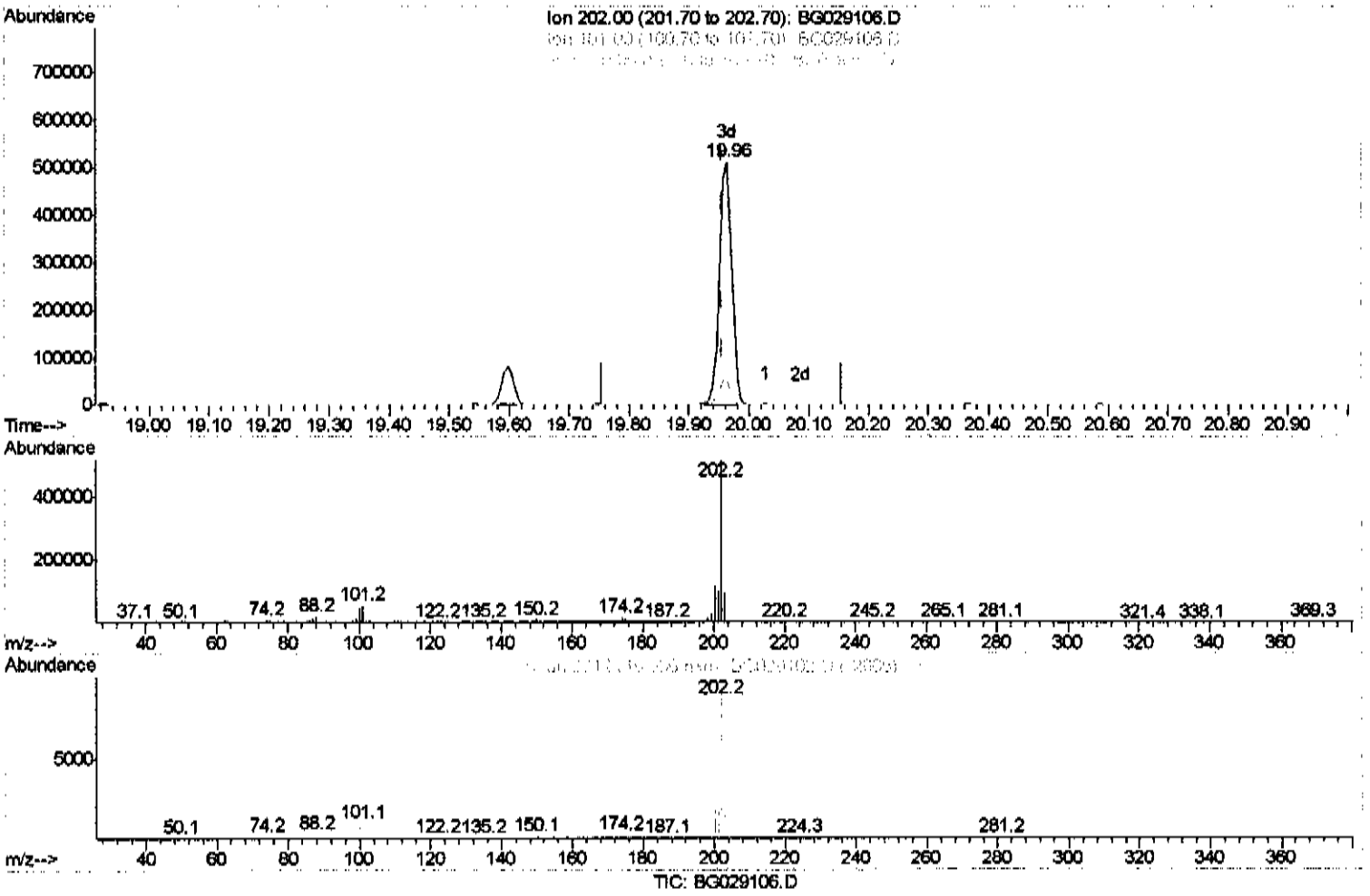
Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:24:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(19) Pyrene

19.962min (+0.007) 36.33ng/ul m JU 10/11/17

response 745696

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	10.36#
100.00	10.10	8.78
0.00	0.00	0.00

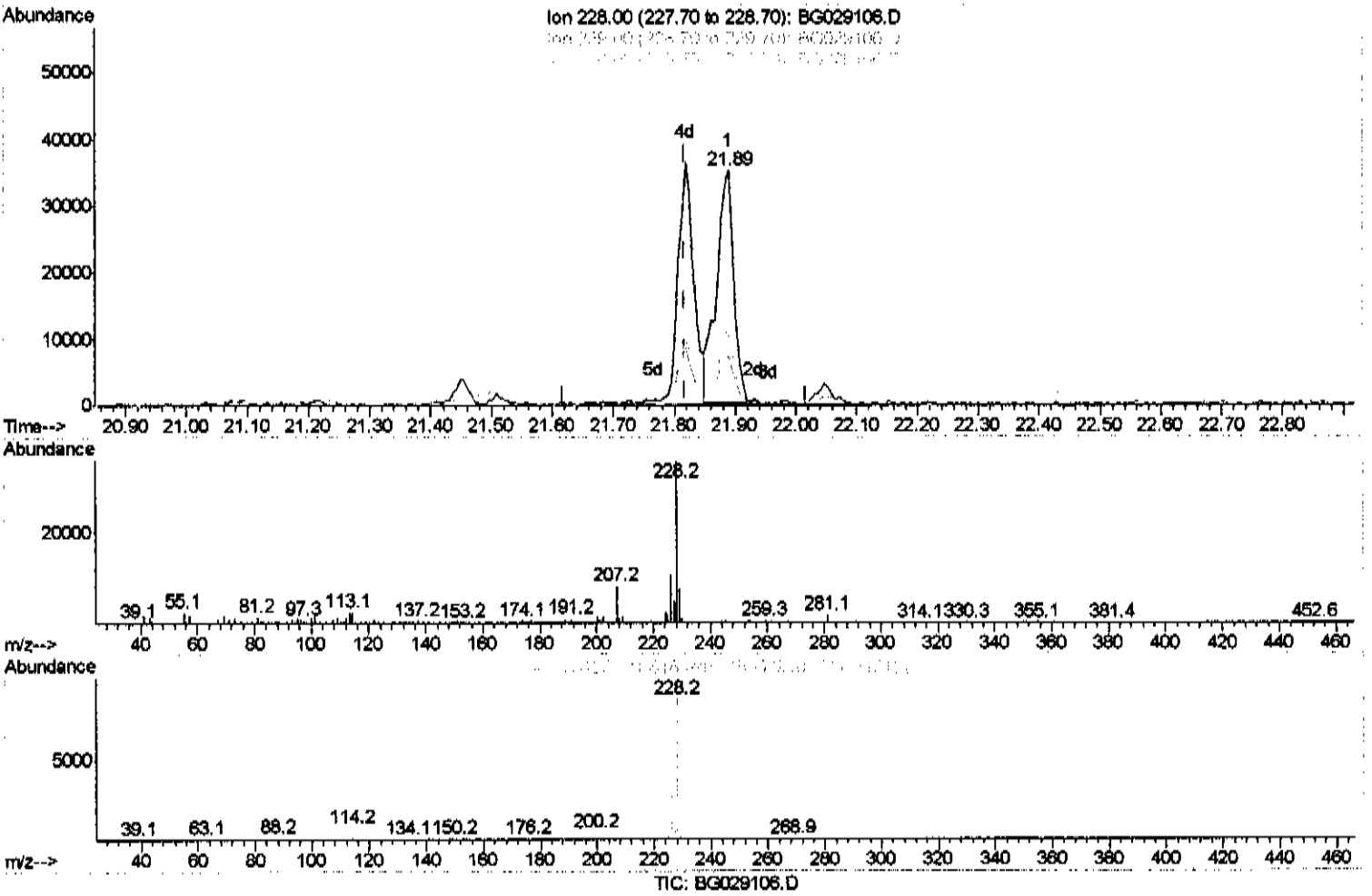
Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:24:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(20) Benzo(a)anthracene

21.889min (+0.071) 3.56ng/ul

response 69000

Ion	Exp%	Act%
228.00	100	100
229.00	19.60	21.60
226.00	26.40	29.96
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

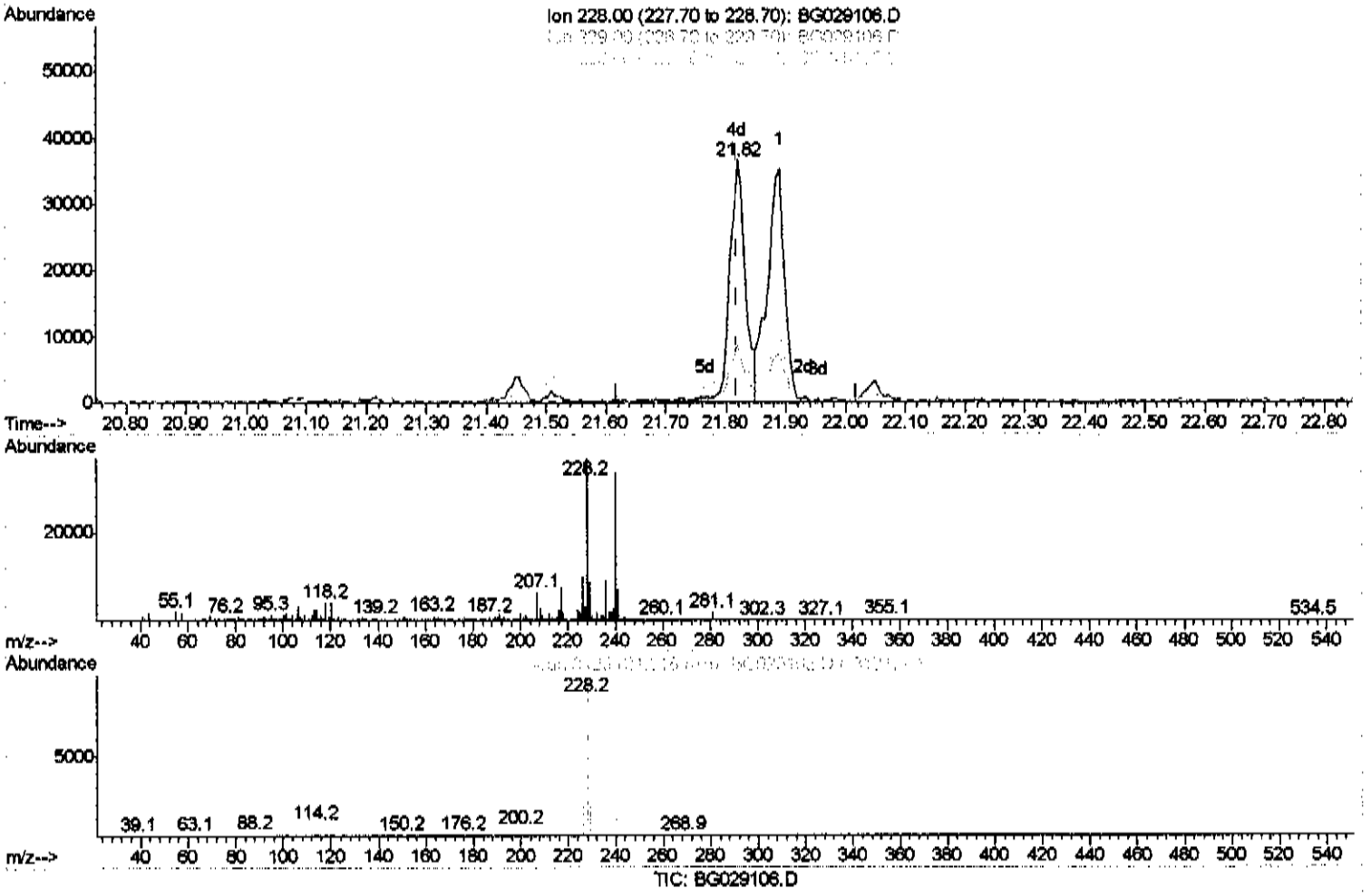
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:24:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(20) Benzo(a)anthracene

21.818min (+0.001) 3.39ng/ul m JU 10/11/17

response 65695

Ion	Exp%	Act%
228.00	100	100
229.00	19.60	24.41#
226.00	26.40	27.84
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

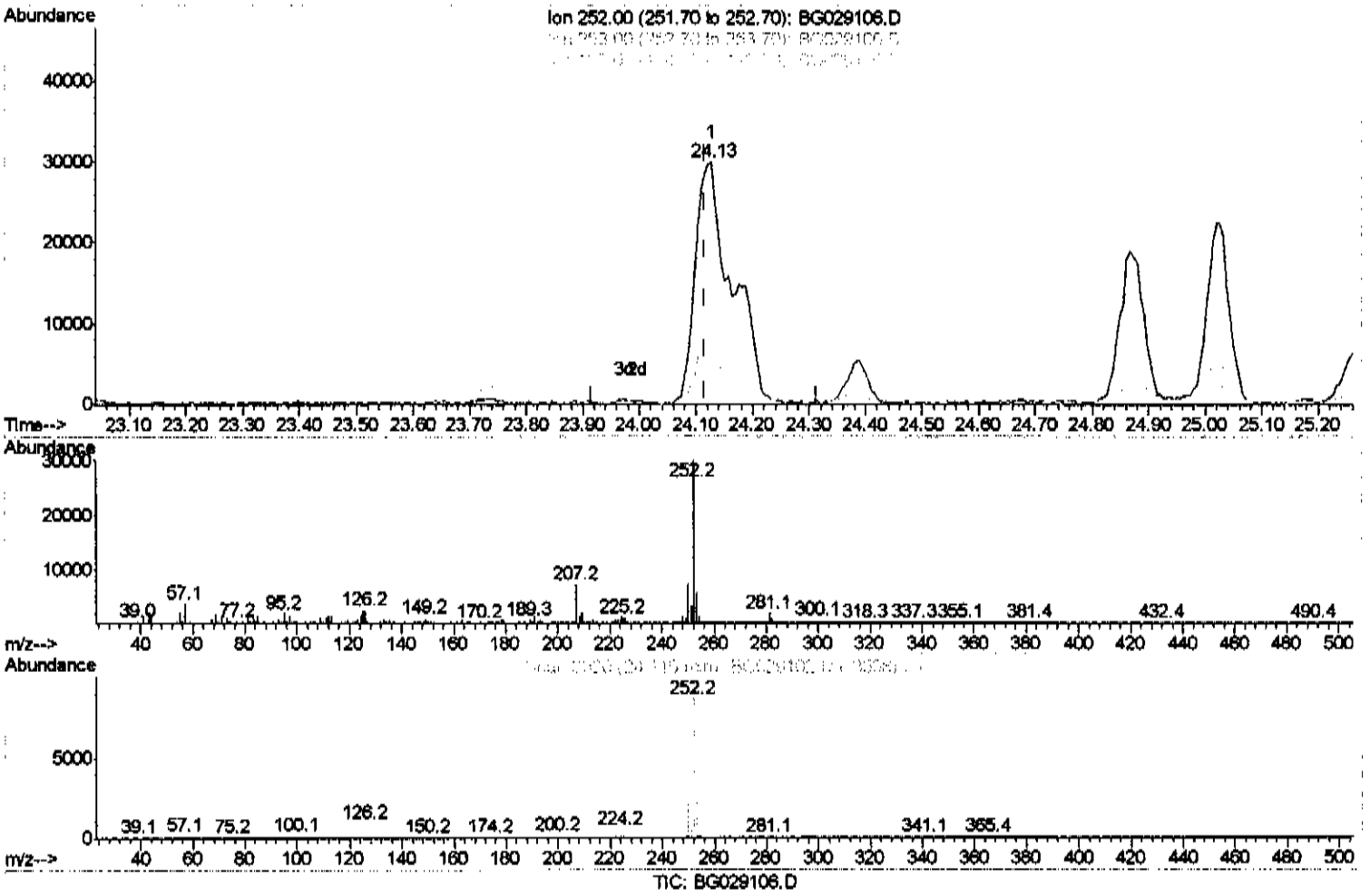
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:24:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(23) Benzo(b)fluoranthene

24.127min (+0.012) 6.76ng/ul

response 134963

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	19.18
125.00	10.00	8.35
0.00	0.00	0.00

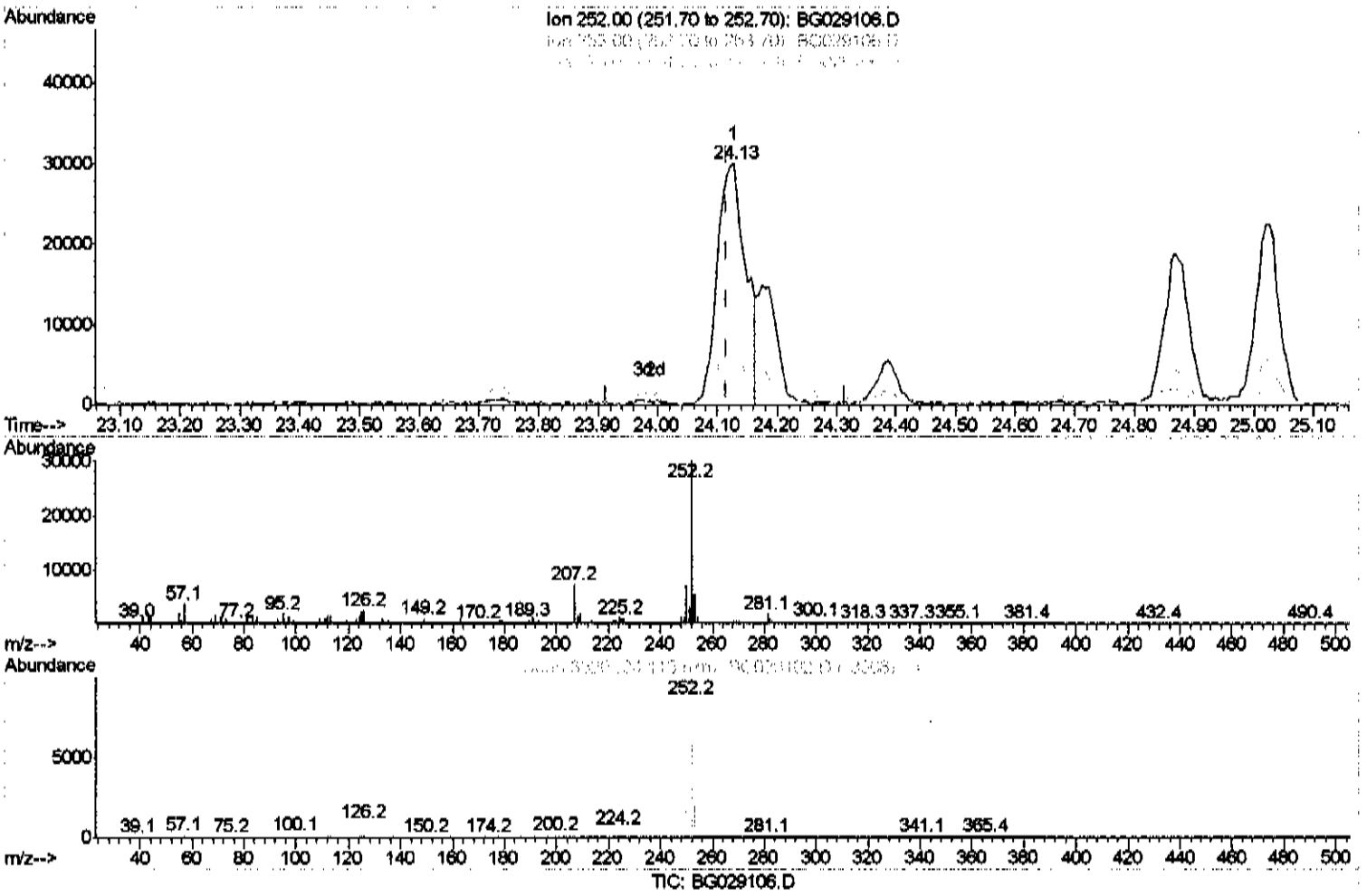
Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:24:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(23) Benzo(b)fluoranthene

24.127min (+0.012) 5.04ng/ul m JUN 10/17

response 100541

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	19.18
125.00	10.00	8.35
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

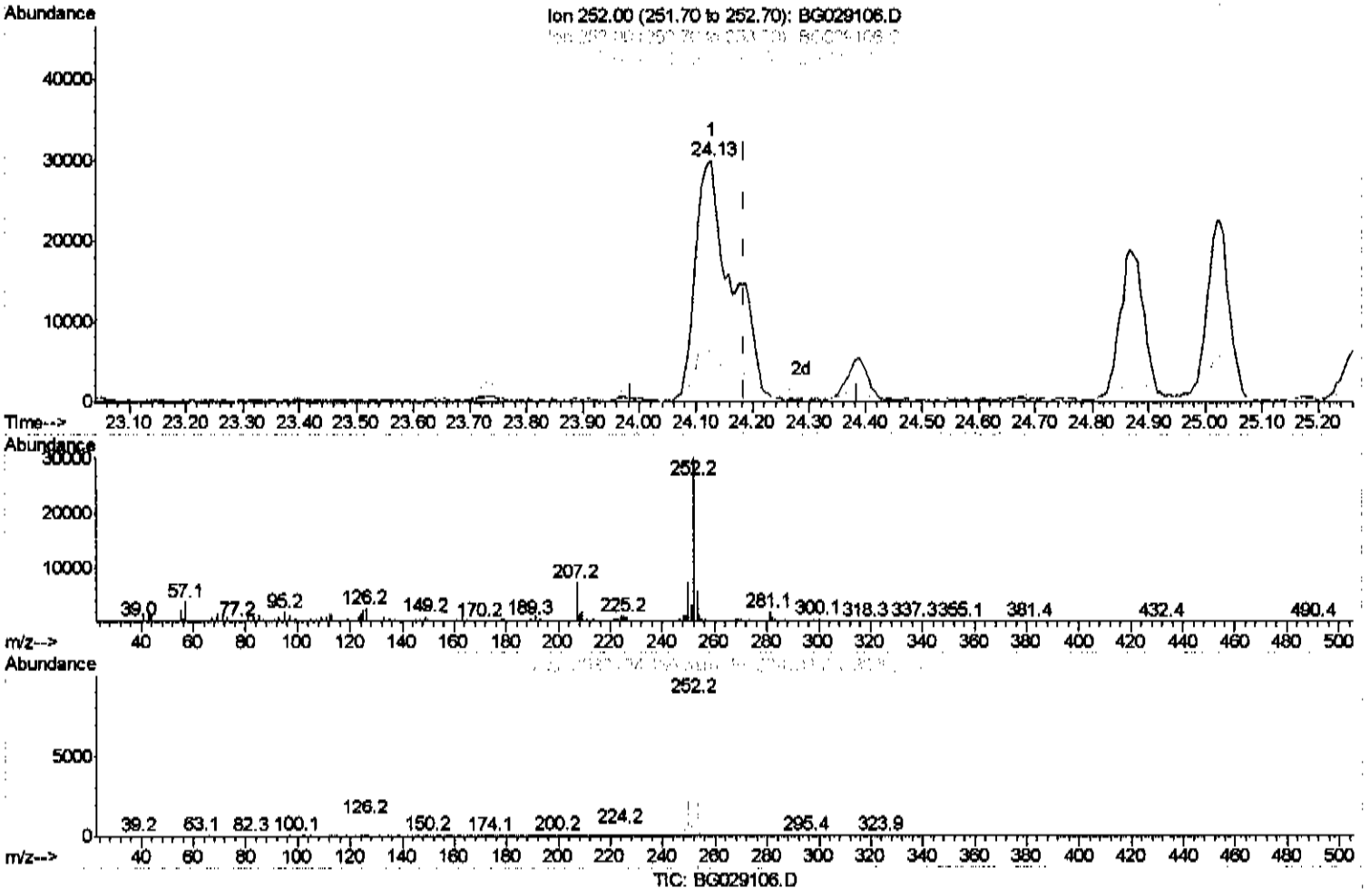
Manual Integrations APPROVED

Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:24:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(24) Benzo(k)fluoranthene

24.127min (-0.058) 6.93ng/ul

response 134963

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	19.18
125.00	10.10	8.35
0.00	0.00	0.00

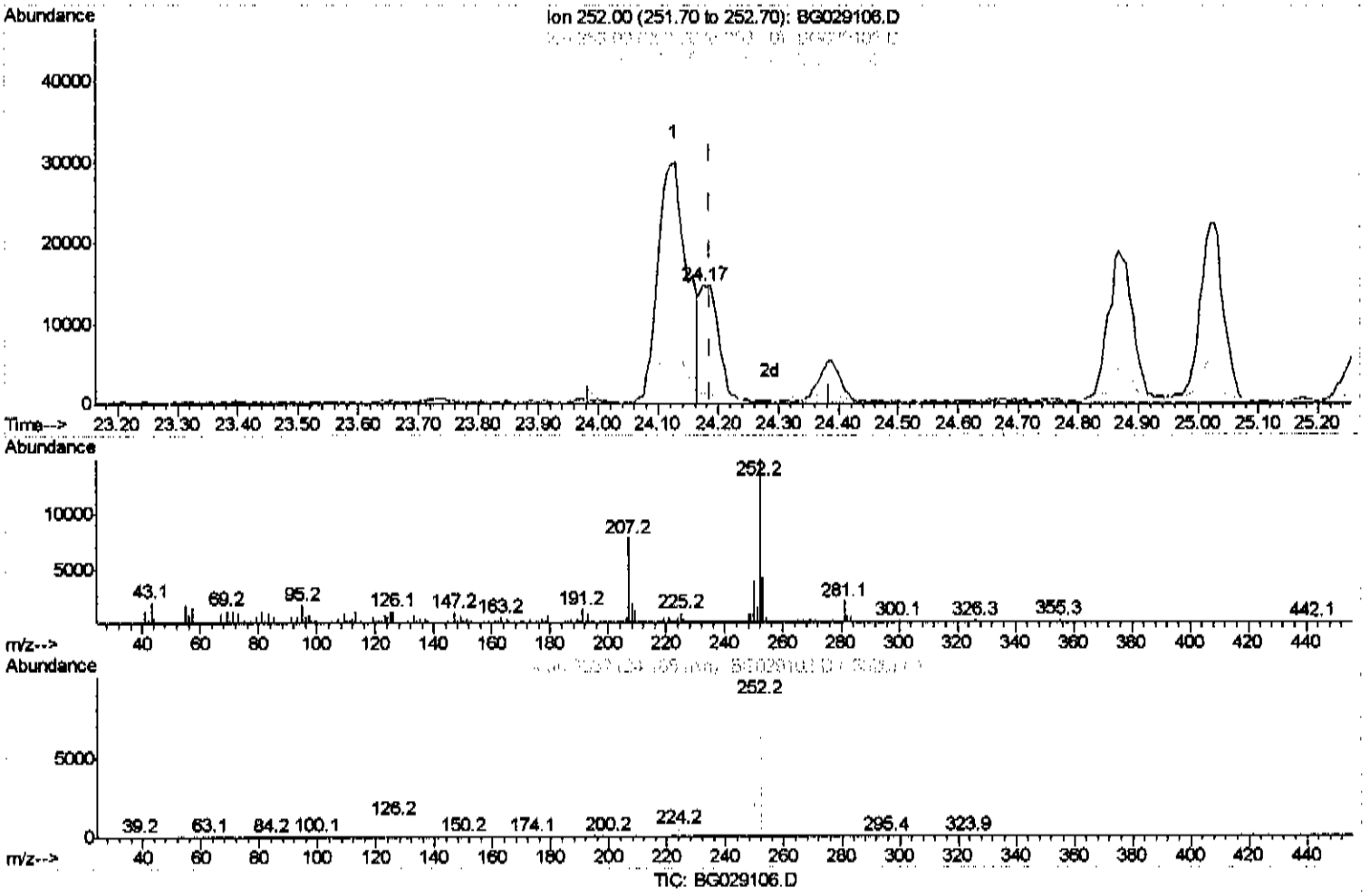
Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:24:23 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration



(24) Benzo(k)fluoranthene

24.174min (-0.011) 1.75ng/ul m JU 10/11/17

response 34133

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	28.89#
125.00	10.10	8.01#
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DAGC5MSD

Manual Integrations APPROVED
Sohil
10/10/2017 5:03:28 PM

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 10 05:26:56 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	42038	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	195216	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	131114	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	308674m	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	329233m	20.00	ng/ul	0.00
22) Perylene-d12	25.18	264	333592	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.52	160	500022	36.67	ng/ul	0.00
10) Fluorene-d10	15.81	176	374350	37.85	ng/ul	0.00
14) Anthracene-d10	17.66	188	538309	36.00	ng/ul	0.00
18) Pyrene-d10	19.93	212	650892	38.64	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.96	264	611570	38.27	ng/ul	0.00
Target Compounds						Qvalue
4) 2-Methylnaphthalene	12.67	142	8451	1.096	ng/ul#	78
5) 1-Methylnaphthalene	12.89	142	7564	1.027	ng/ul	97
9) Acenaphthene	14.89	153	301499	33.743	ng/ul	96
13) Phenanthrene	17.60	178	56438m	3.428	ng/ul	
16) Fluoranthene	19.60	202	113359m	5.873	ng/ul	
19) Pyrene	19.96	202	745696m	36.335	ng/ul	
20) Benzo(a)anthracene	21.82	228	65695m	3.388	ng/ul	
21) Chrysene	21.89	228	68230	3.843	ng/ul	98
23) Benzo(b)fluoranthene	24.13	252	100541m	5.038	ng/ul	
24) Benzo(k)fluoranthene	24.17	252	34133m	1.752	ng/ul	
26) Benzo(a)pyrene	25.02	252	60973	3.146	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	28.99	276	50798	2.309	ng/ul#	88
29) Benzo(g,h,i)perylene	30.18	276	43383	2.391	ng/ul#	94

JU 10/11/17

JU 10/11/17

JU 10/11/17

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