

Quantitation Report (QT Reviewed)

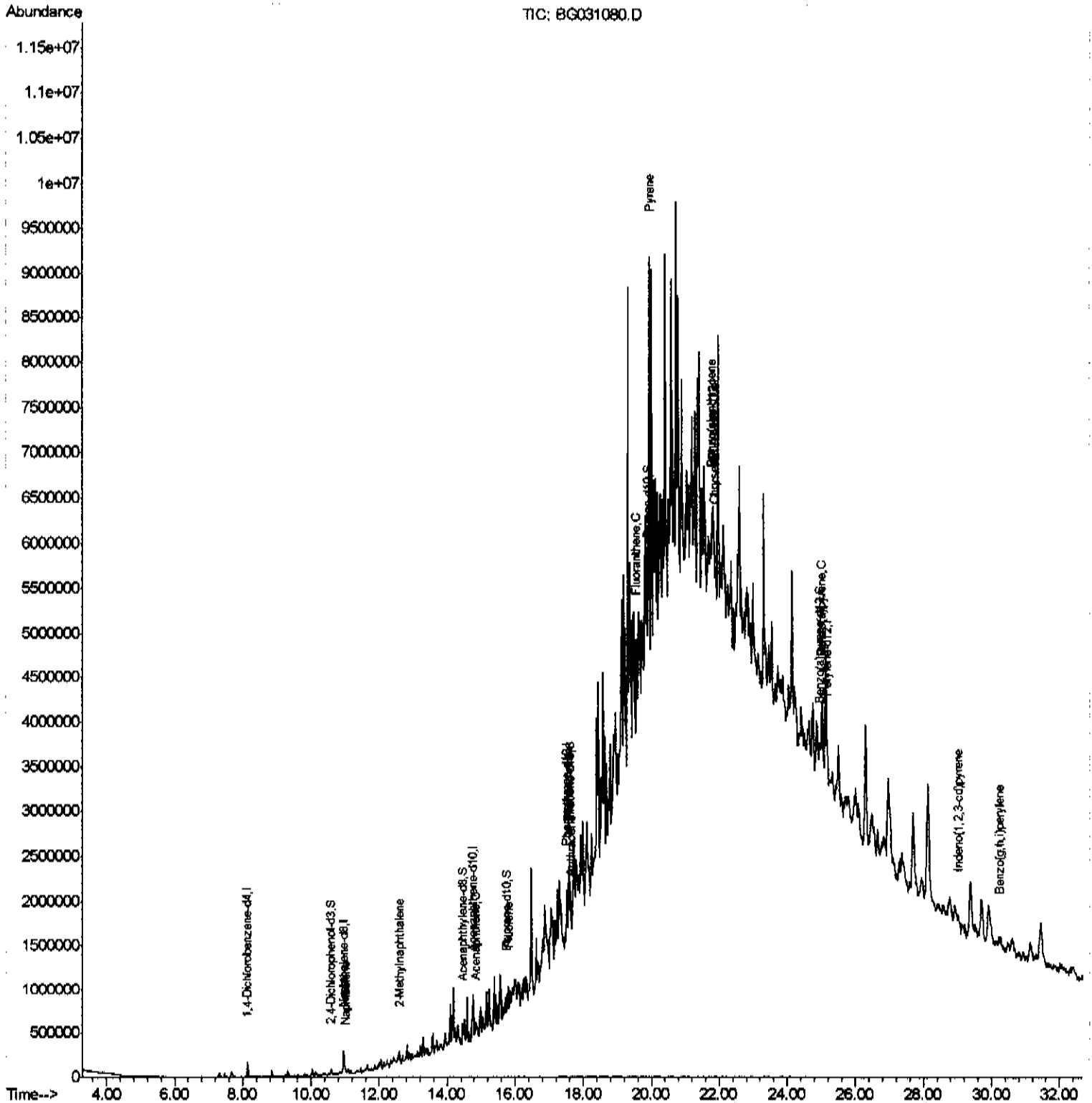
Data Path : Z:\HPCHEM1\BNA G\Data\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 21 06:05:44 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration



Quantitation Report (Qedit)

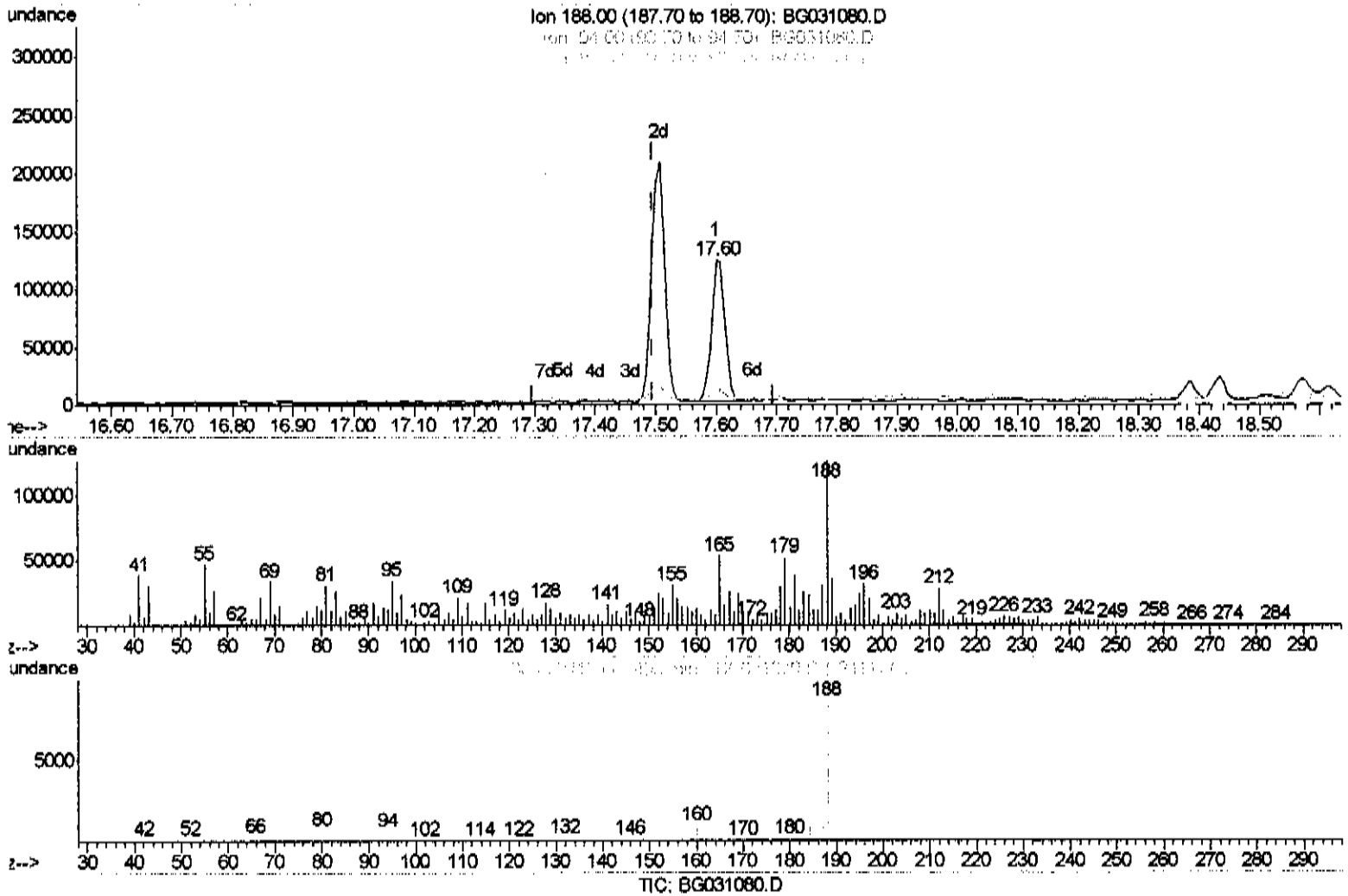
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:38:58 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration



(12) Phenanthrene-d10 (I)

17.600min (+0.105) 20.00ng/ul

response 189082

Ion	Exp%	Act%
188.00	100	100
94.00	9.70	10.25
80.00	10.40	9.70
0.00	0.00	0.00

Quantitation Report (Qedit)

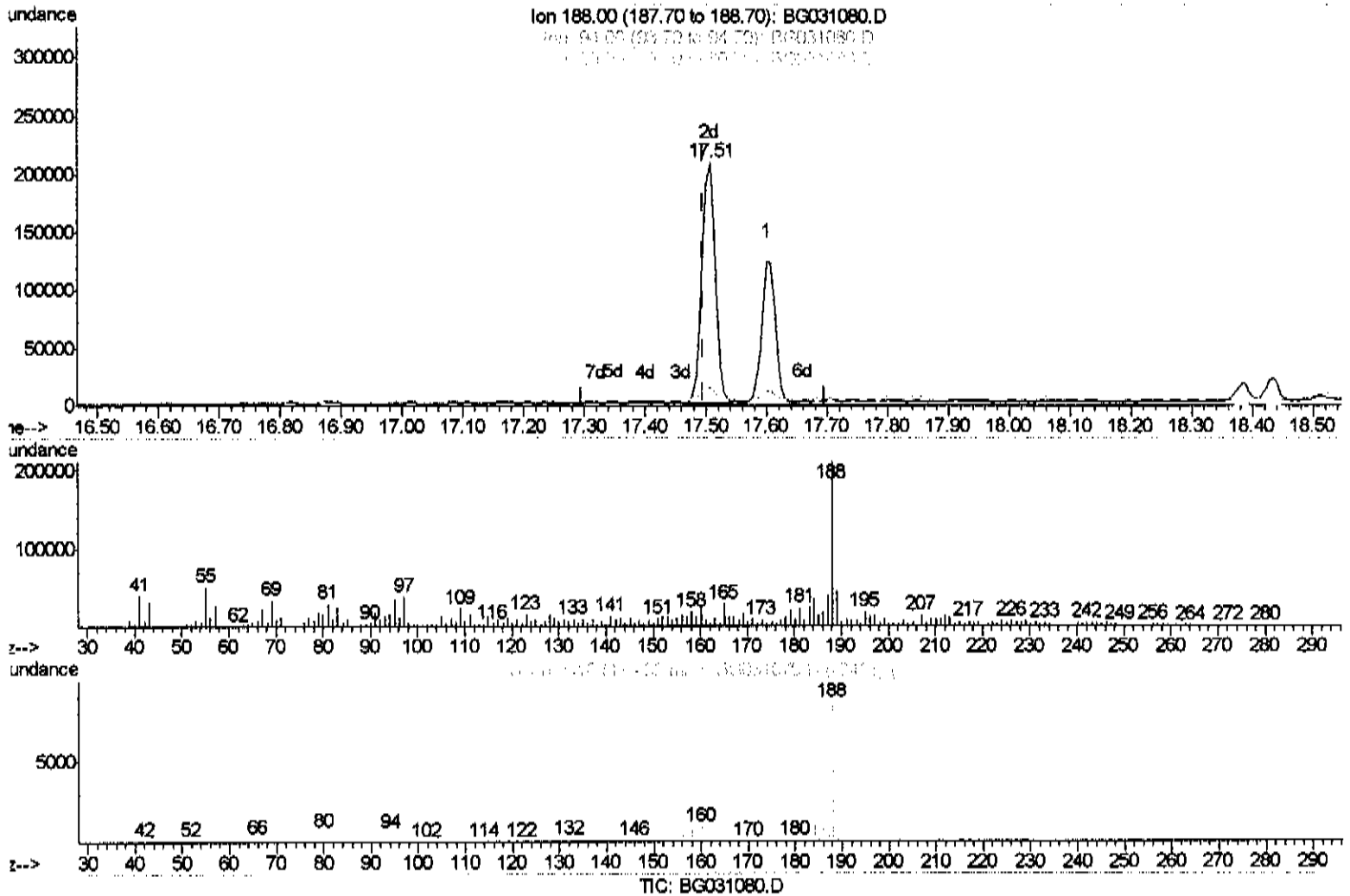
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:38:58 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
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 OLast Update : Sat Nov 18 00:38:46 2017
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(12) Phenanthrene-d10 (I)

17.506min (+0.011) 20.00ng/ul m

response 321689

Ion	Exp%	Act%
188.00	100	100
94.00	9.70	7.66%
80.00	10.40	7.43%
0.00	0.00	0.00

Quantitation Report (Qedit)

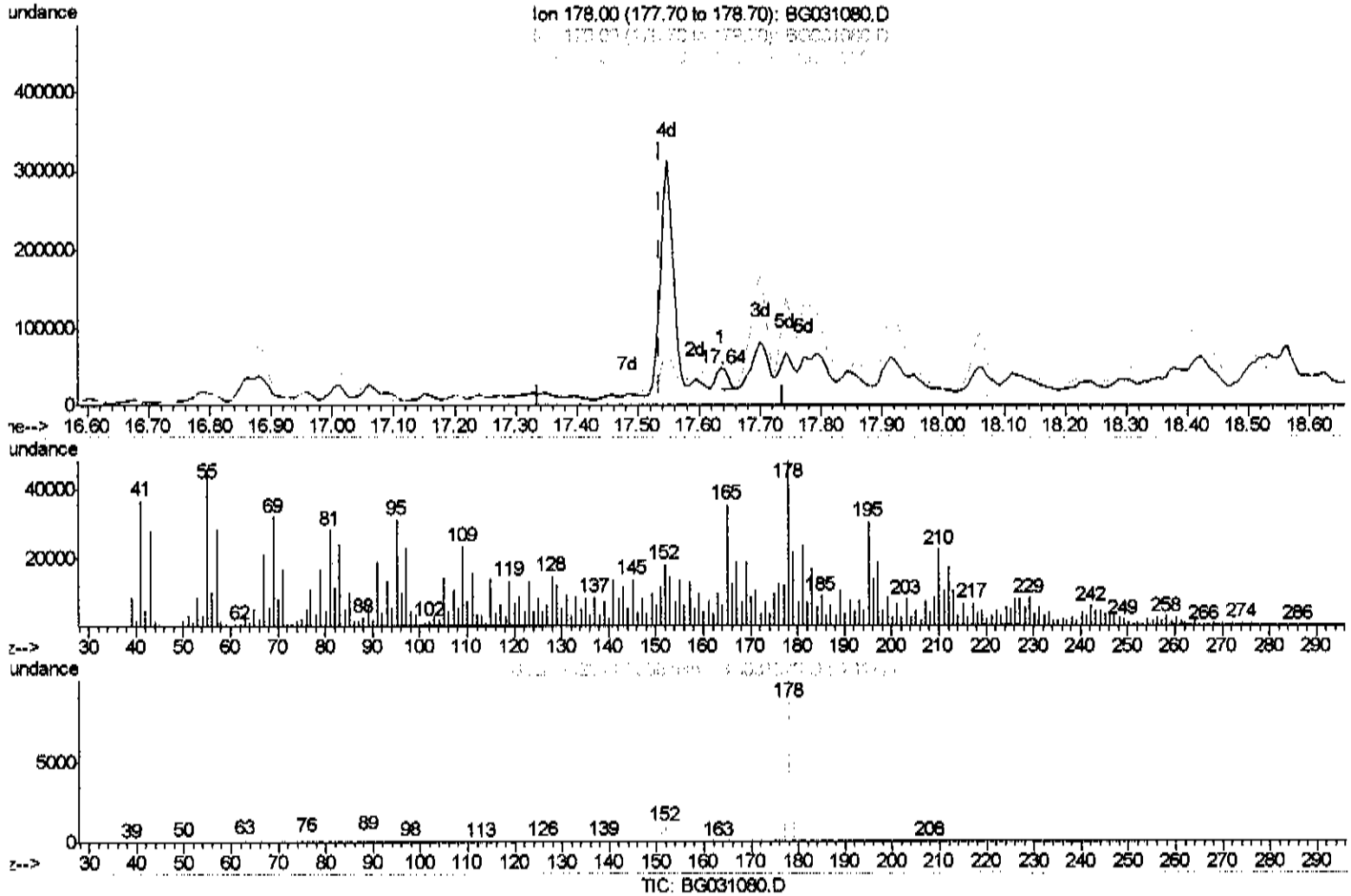
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
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Quant Time: Nov 18 00:44:13 2017
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(14) Phenanthrene

17.636min (+0.099) 1.93ng/ul

response 33393

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	44.54#
176.00	20.50	25.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

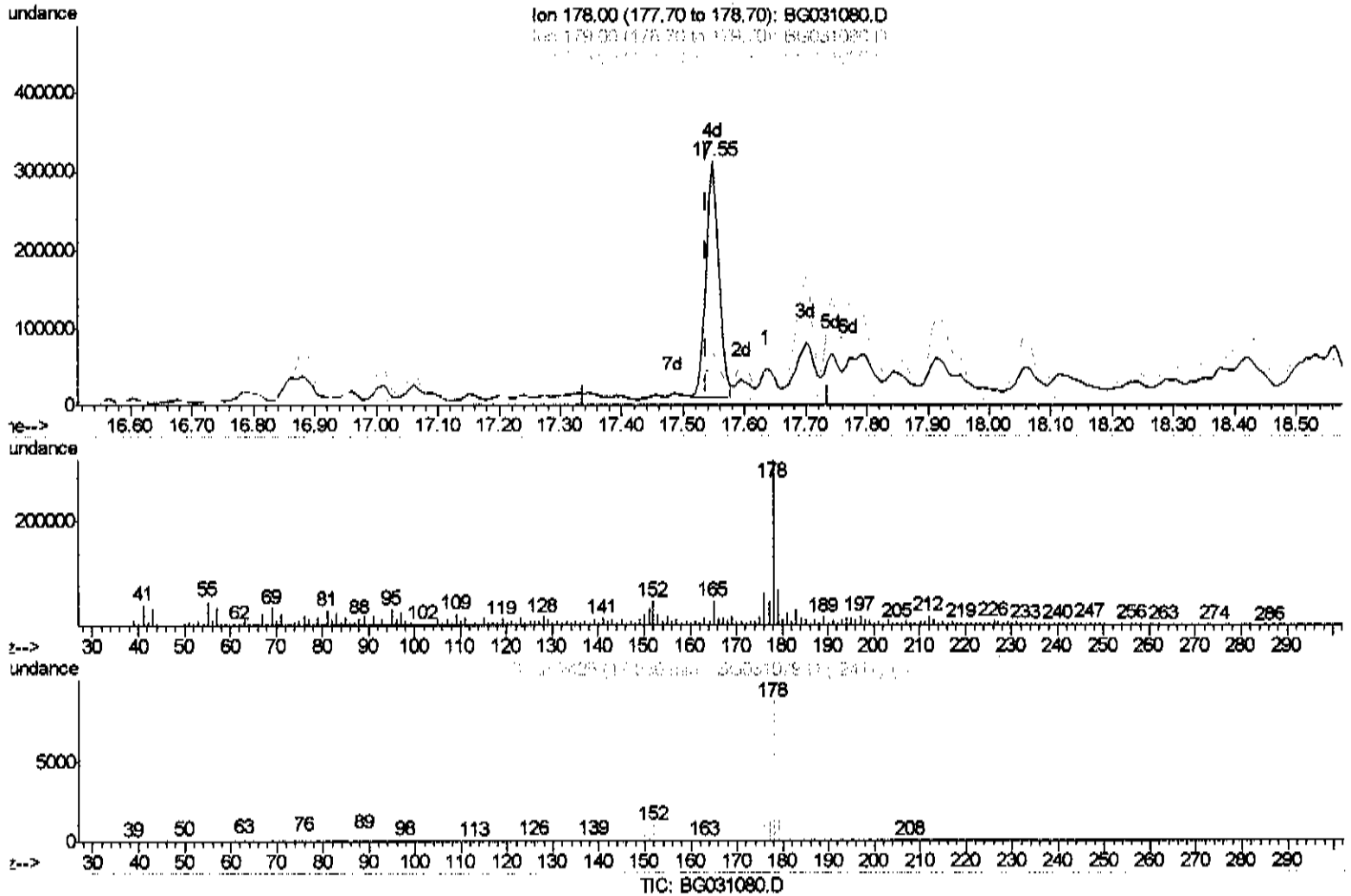
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
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(14) Phenanthrene

17.547min (+0.011) 26.24ng/ul m

response 452930

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	22.11#
176.00	20.50	20.16
0.00	0.00	0.00

JU 11/21/17

Quantitation Report (Qedit)

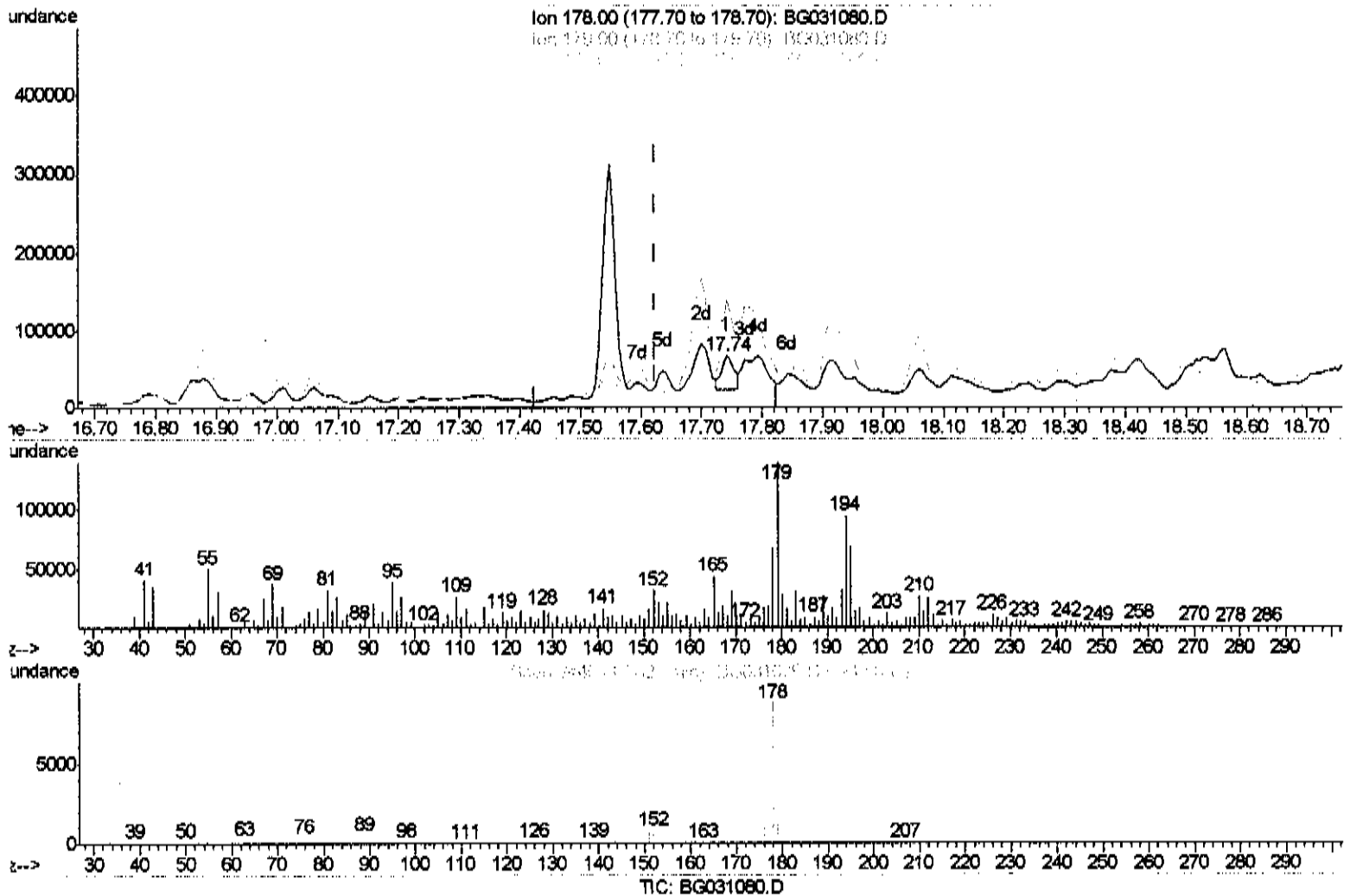
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
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(16) Anthracene

17.741min (+0.117) 3.67ng/ul

response 64392

Ion	Exp%	Act%
178.00	100	100
179.00	15.90	204.23#
176.00	19.80	25.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

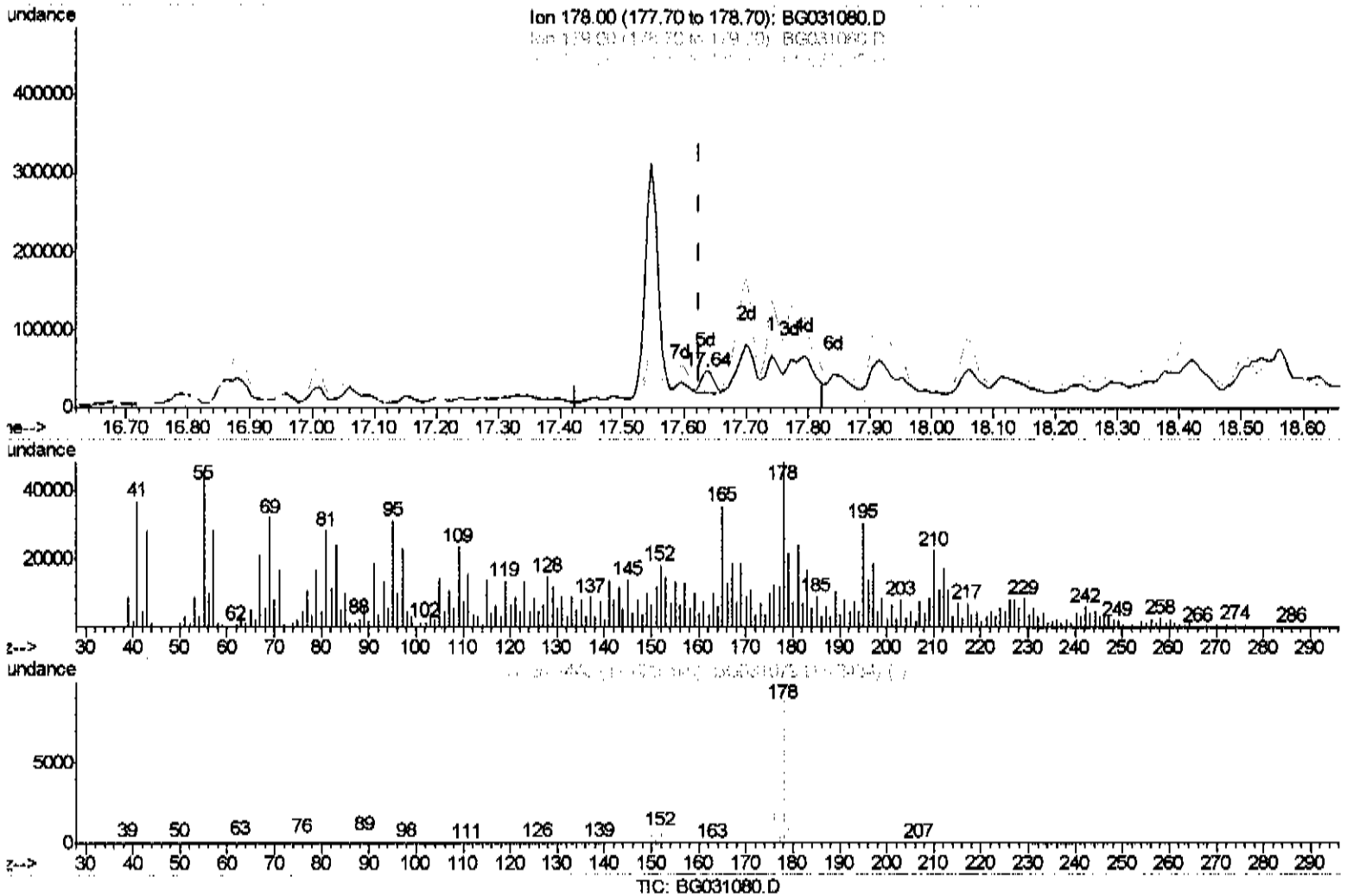
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acc On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F81

Manual Integrations
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(16) Anthracene

17.636min (+0.011) 2.23ng/ul mju 11/21/17

response 39079

Ion	Exp%	Act%
178.00	100	100
179.00	15.90	44.54#
176.00	19.80	25.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

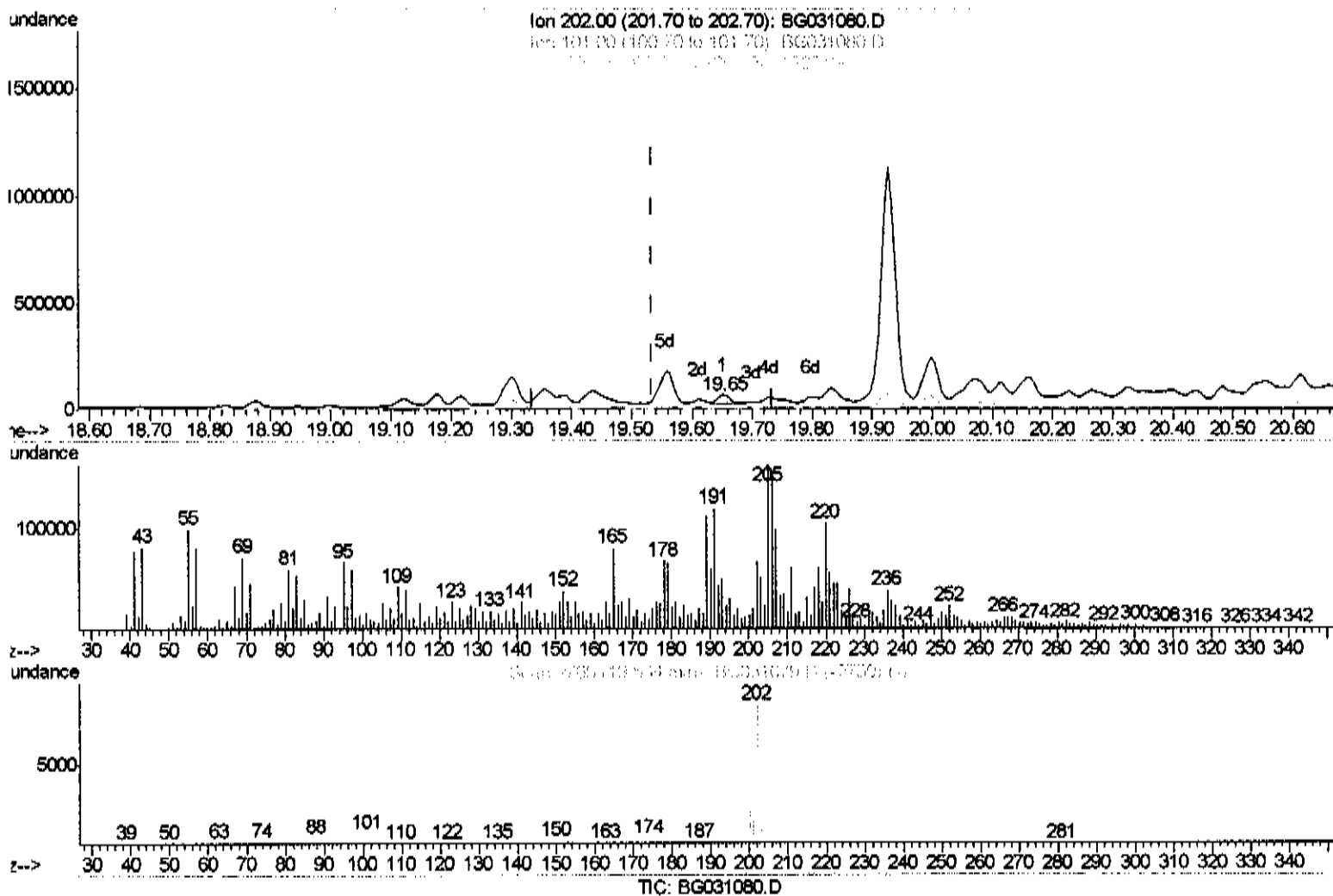
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acc On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
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(17) Fluoranthene (C)

19.651min (+0.117) 2.41ng/ul

response 57810

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	25.16#
100.00	9.40	6.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

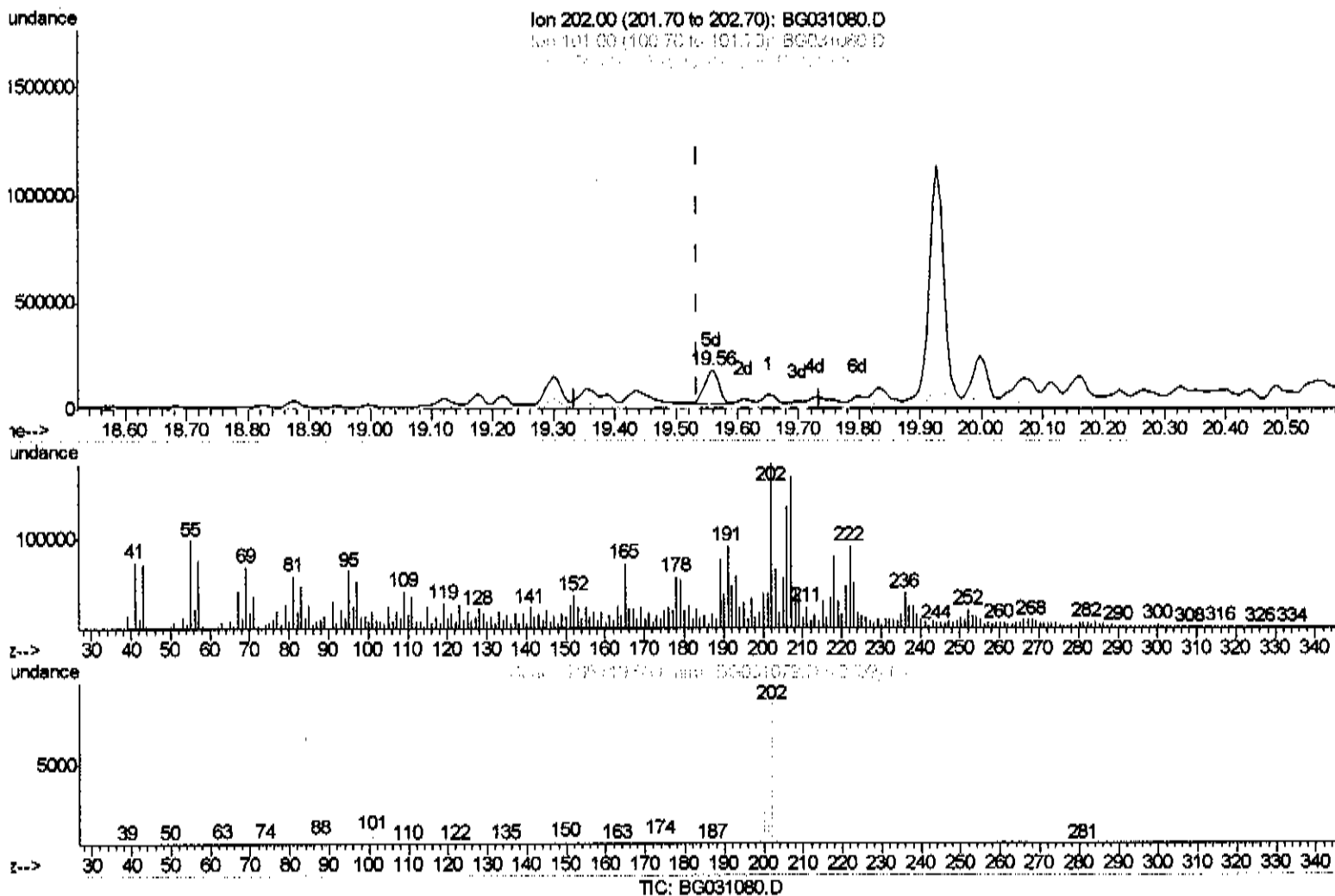
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:44:13 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
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(17) Fluoranthene (C)

19.557min (+0.023) 11.21ng/ul m

response 269401

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	10.48
100.00	9.40	5.16#
0.00	0.00	0.00

Handwritten signature/initials

Quantitation Report (Qedit)

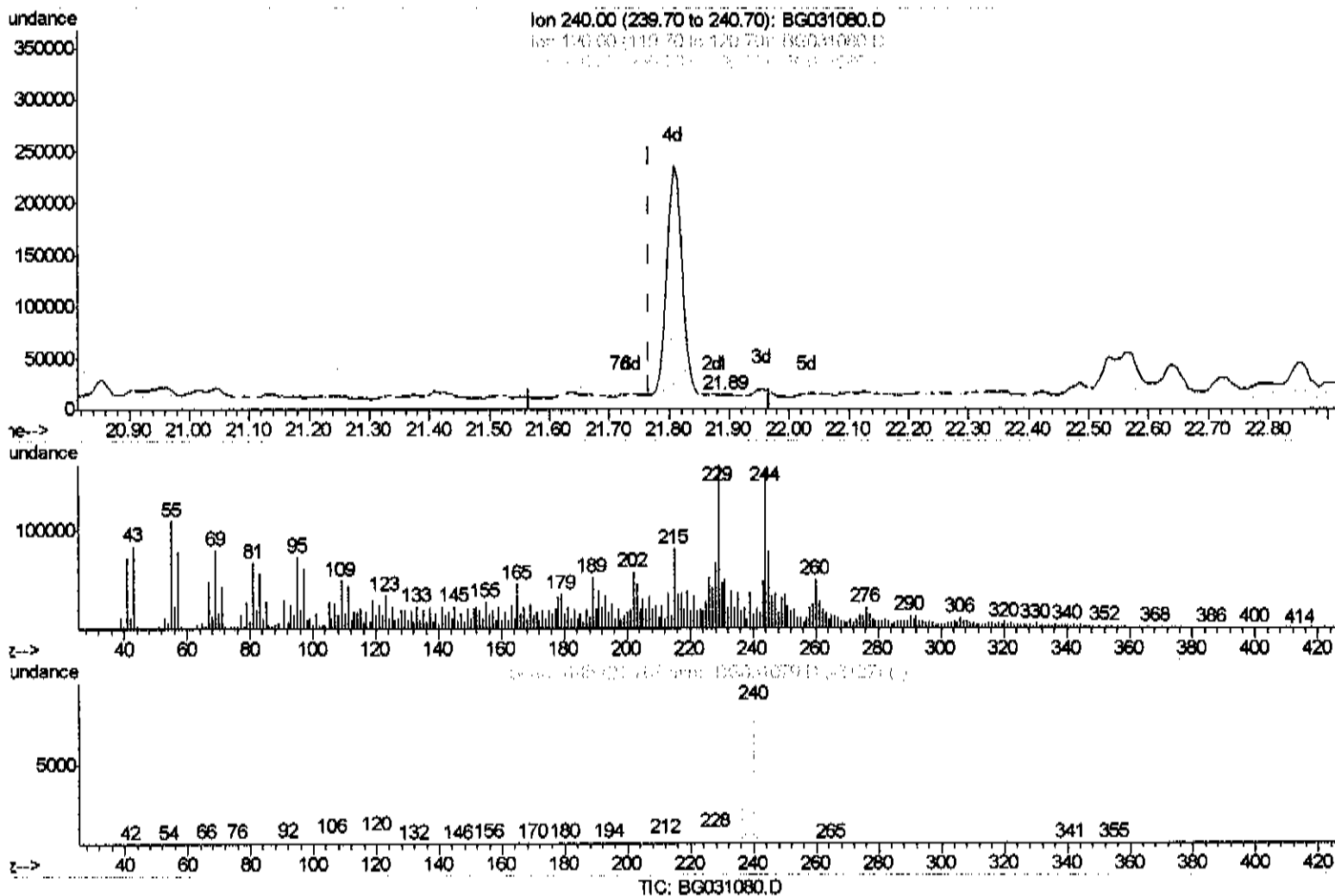
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:44:13 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
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 Response via : Initial Calibration



(18) Chrysene-d12 (I)

21.889min (+0.123) 20.00ng/ul

response 3636

Ion	Exp%	Act%
240.00	100	100
120.00	11.80	90.94#
236.00	26.40	127.71#
0.00	0.00	0.00

Quantitation Report (Qedit)

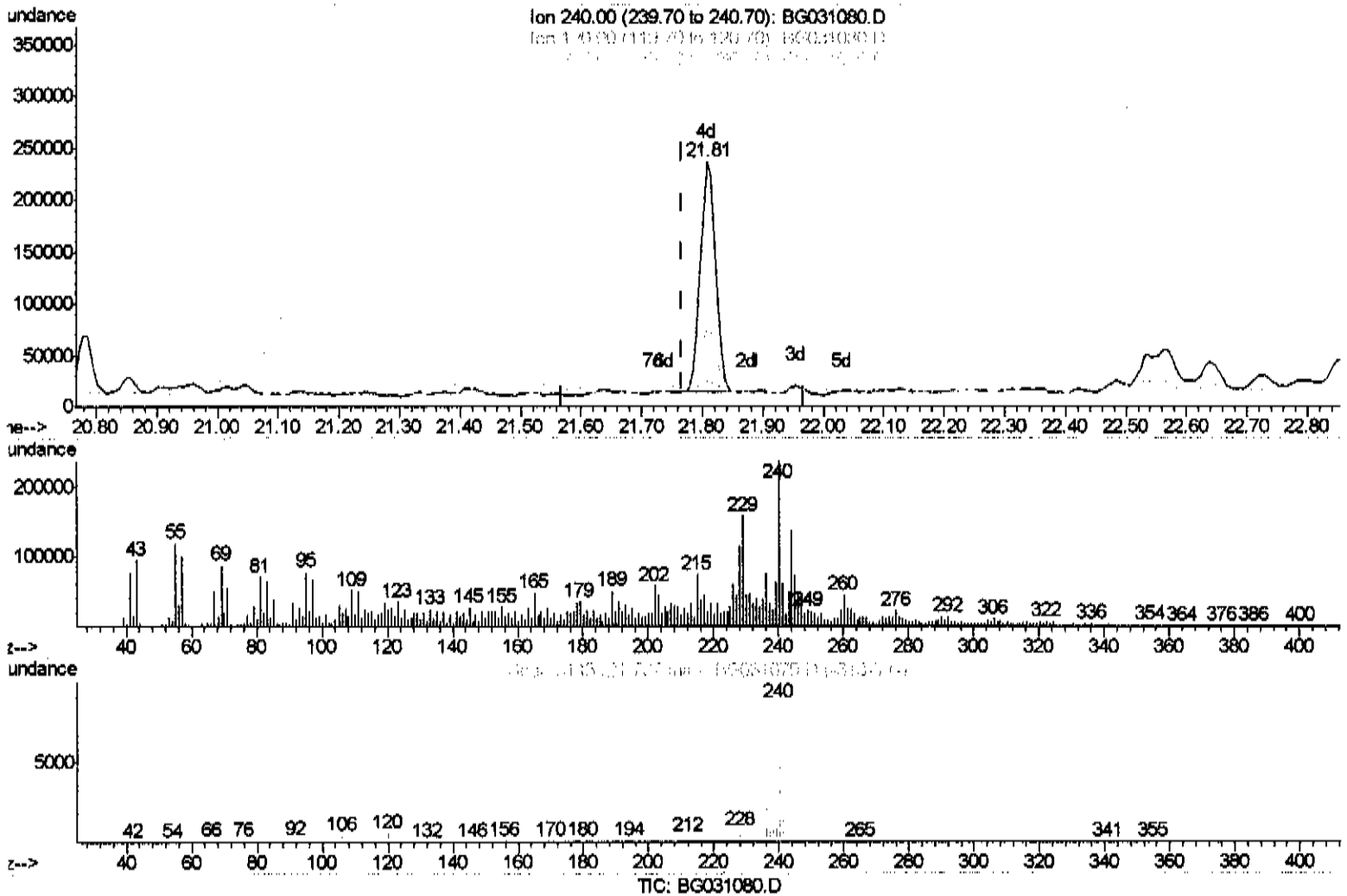
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:44:13 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
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 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration



(18) Chrysene-d12 (I)

21.807min (+0.040) 20.00ng/ul m

response 386904

Ion	Exp%	Act%
240.00	100	100
120.00	11.80	10.68
236.00	26.40	32.32%
0.00	0.00	0.00

Handwritten: 21.807min (+0.040) 20.00ng/ul m

Quantitation Report (Qedit)

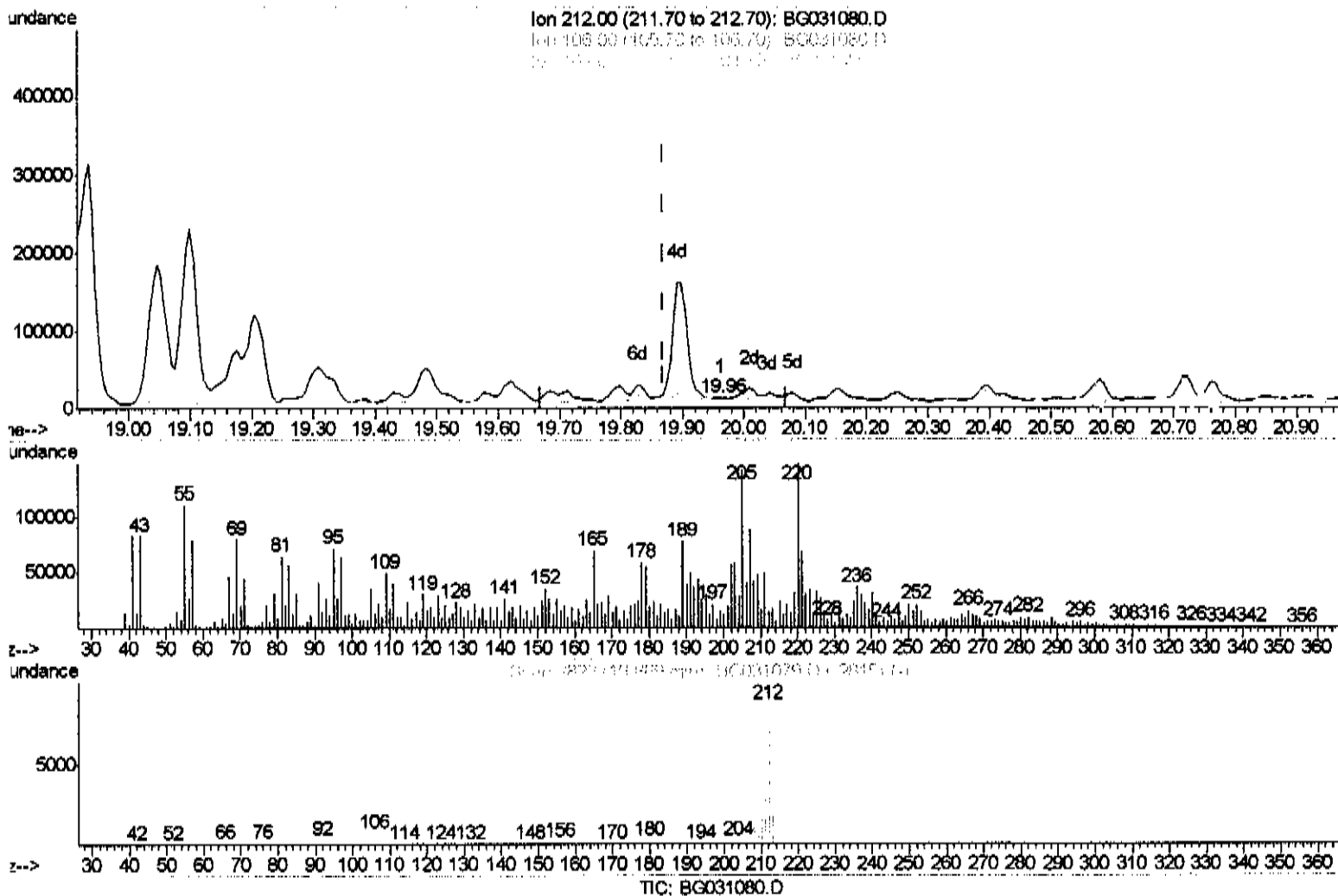
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:49:04 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration



(19) Pyrene-d10 (S)

19.962min (+0.093) 0.20ng/ul

response 3562

Ion	Exp%	Act%
212.00	100	100
106.00	16.80	94.03%
104.00	11.10	52.49%
0.00	0.00	0.00

Quantitation Report (Qedit)

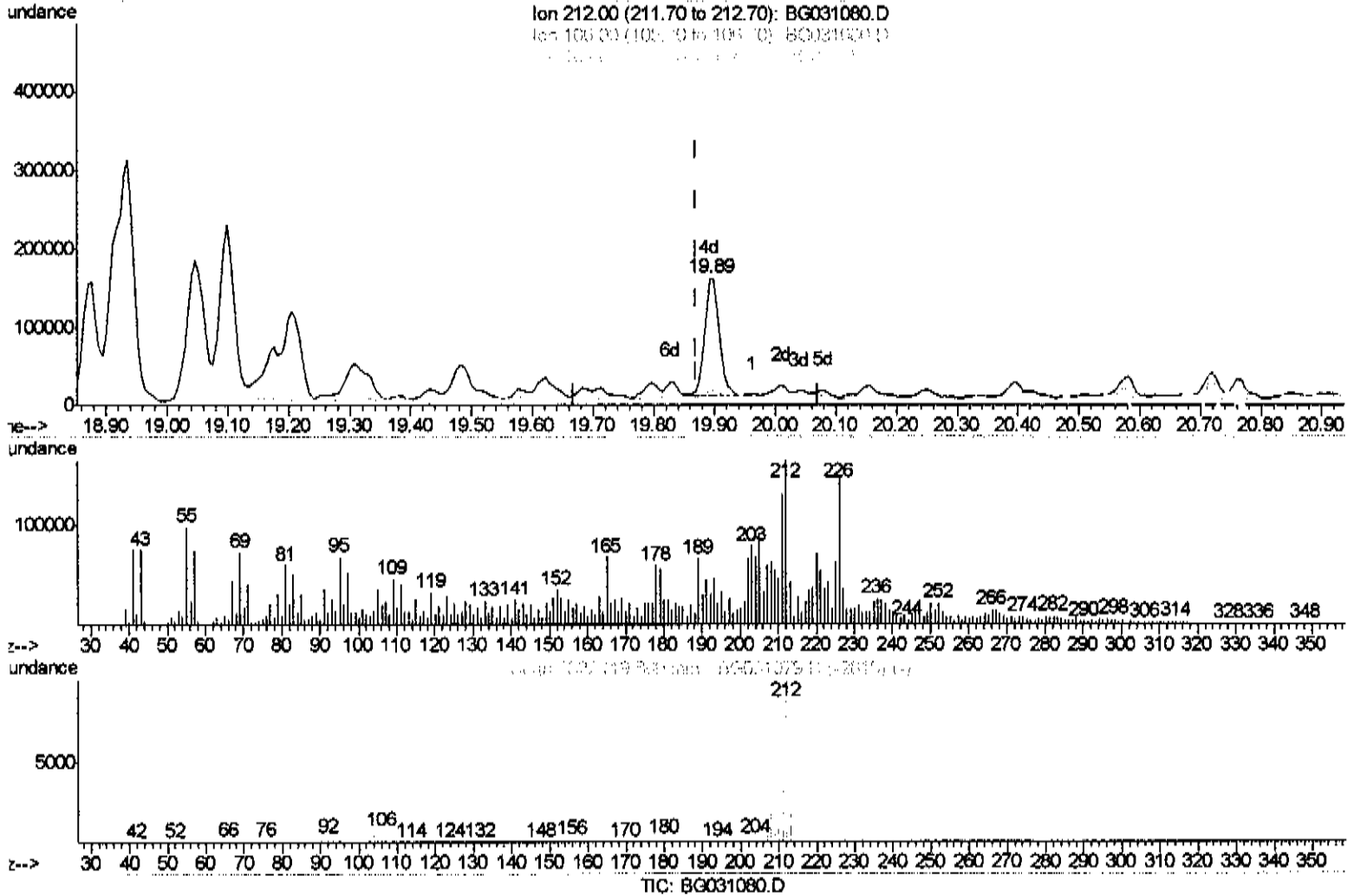
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:49:04 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration



(19) Pyrene-d10 (S)

19.892min (+0.023) 14.31ng/ul m

response 252881

Ion	Exp%	Act%
212.00	100	100
106.00	16.80	11.80#
104.00	11.10	8.59#
0.00	0.00	0.00

5411/21/17

Quantitation Report (Qedit)

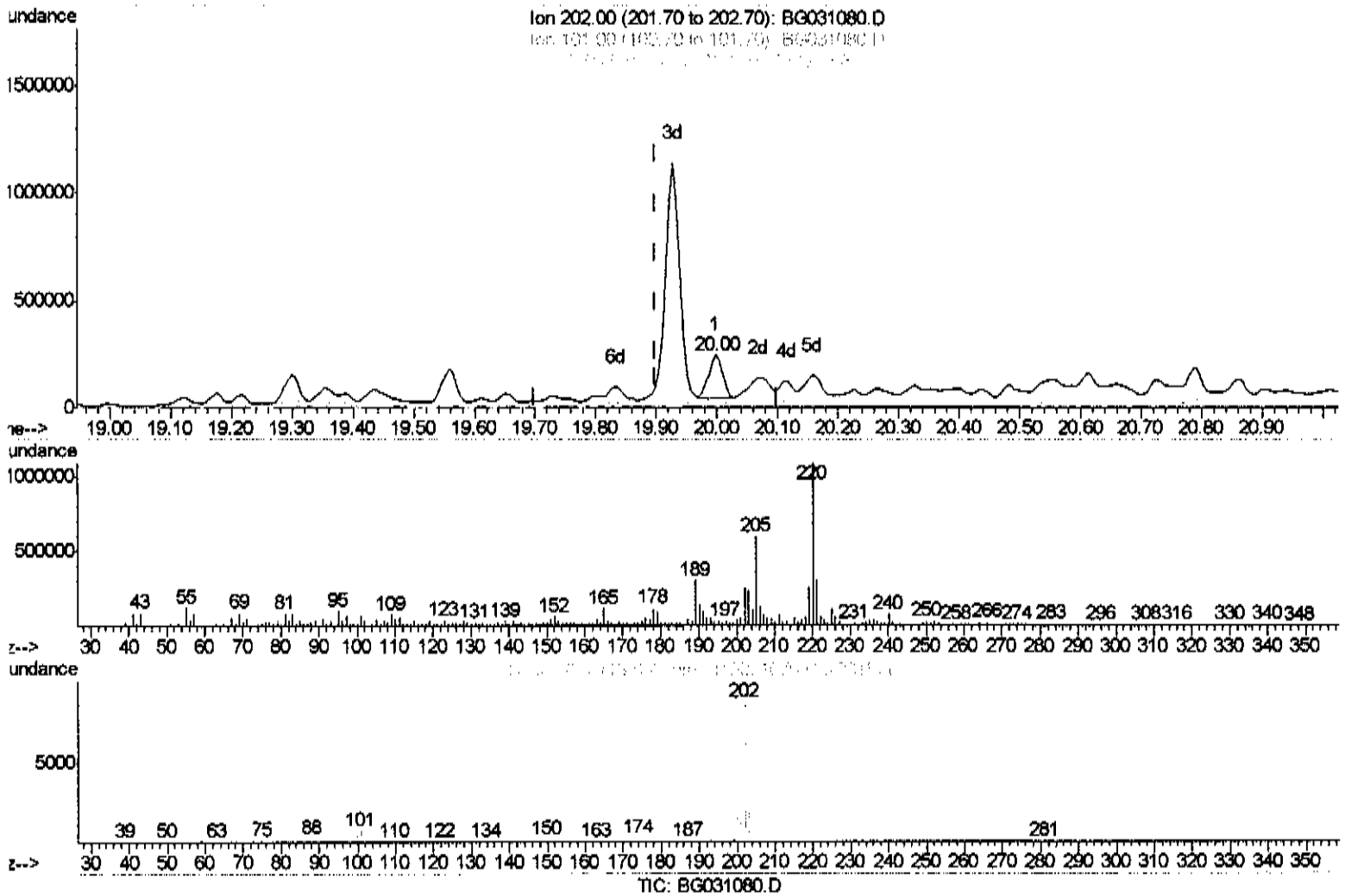
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:50:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



(20) Pyrene

19.998min (+0.099) 15.91ng/ul

response 326613

Ion	Exp%	Act%
202.00	100	100
101.00	14.00	26.03#
100.00	12.20	5.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

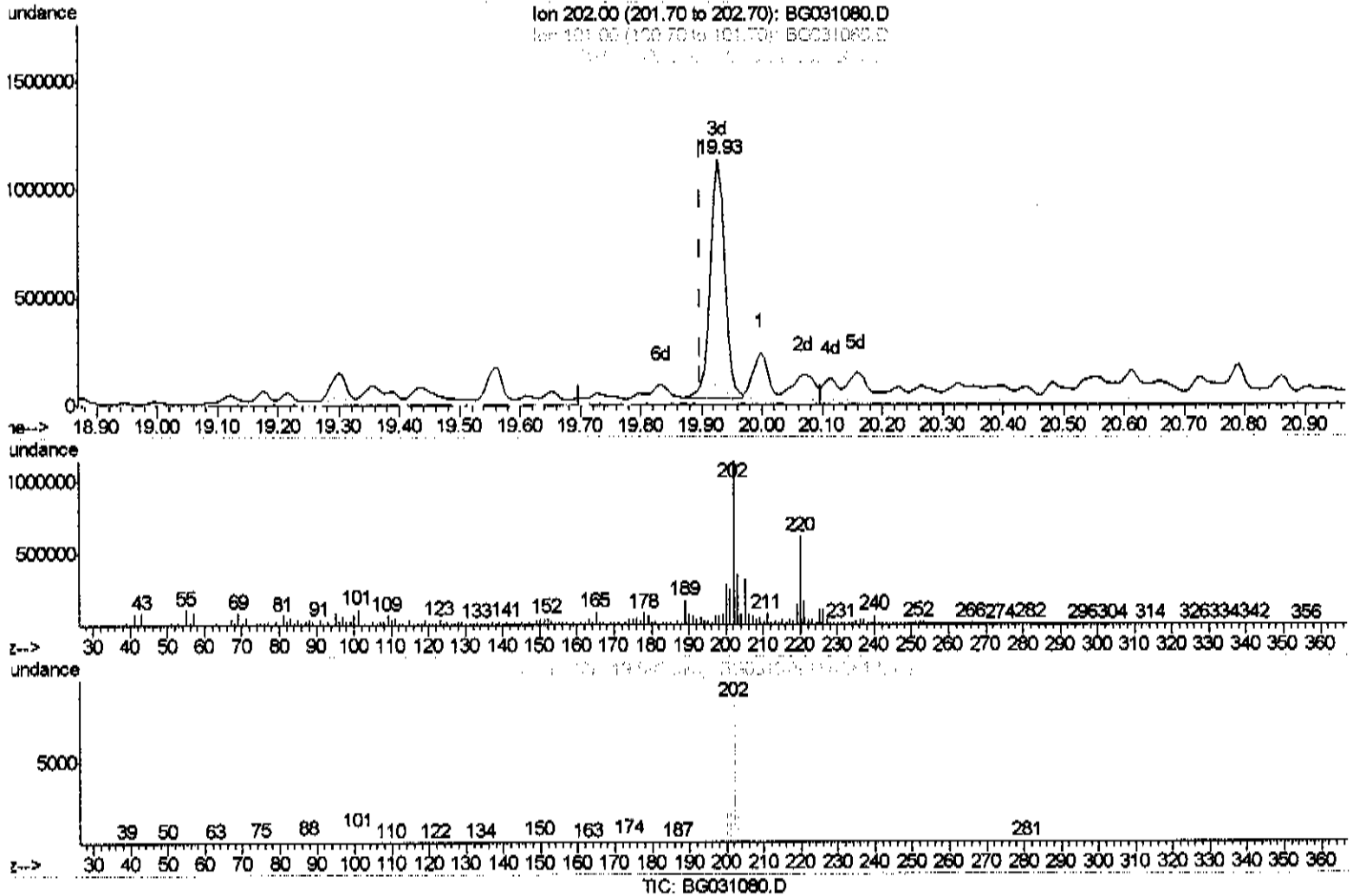
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:50:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
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(20) Pyrene

19.927min (+0.029) 89.64ng/ul m

response 1840811

Ion	Exp%	Act%
202.00	100	100
101.00	14.00	9.78#
100.00	12.20	6.40#
0.00	0.00	0.00

SJ 11/21/17

Quantitation Report (Qedit)

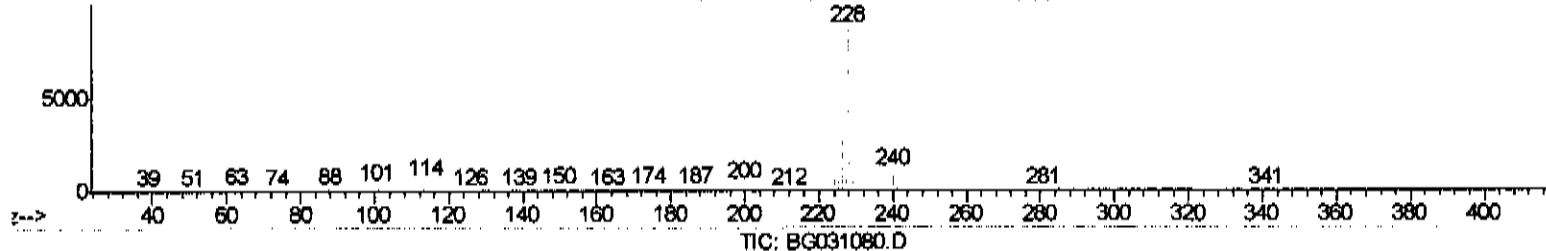
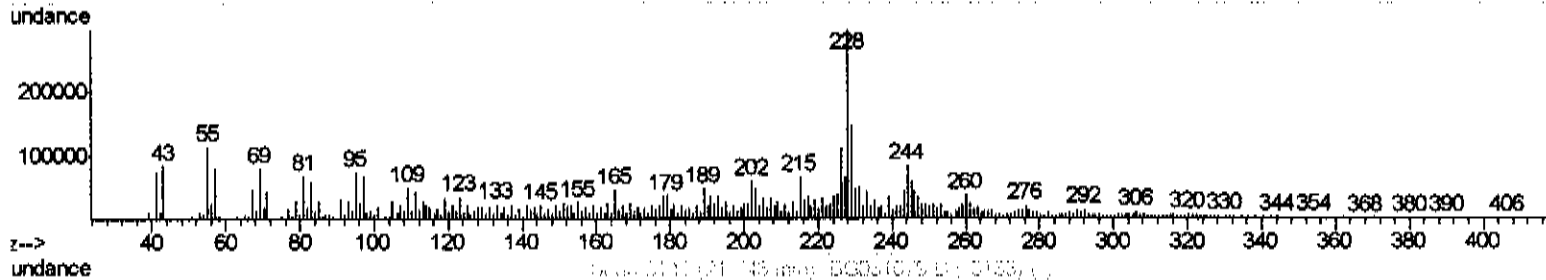
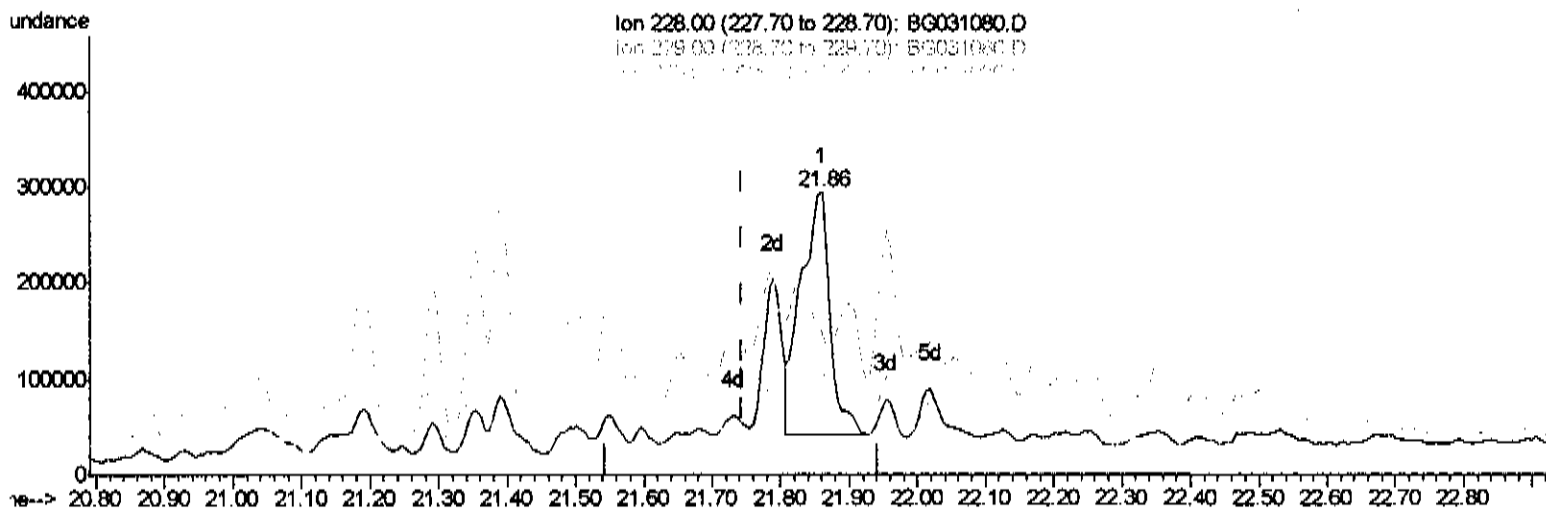
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
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Instrument :
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 ClientSampled :
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Manual Integrations
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Quant Time: Nov 18 00:50:02 2017
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(21) Benzo(a)anthracene

21.860min (+0.117) 31.67ng/ul

response 746462

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	49.69#
226.00	27.60	37.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

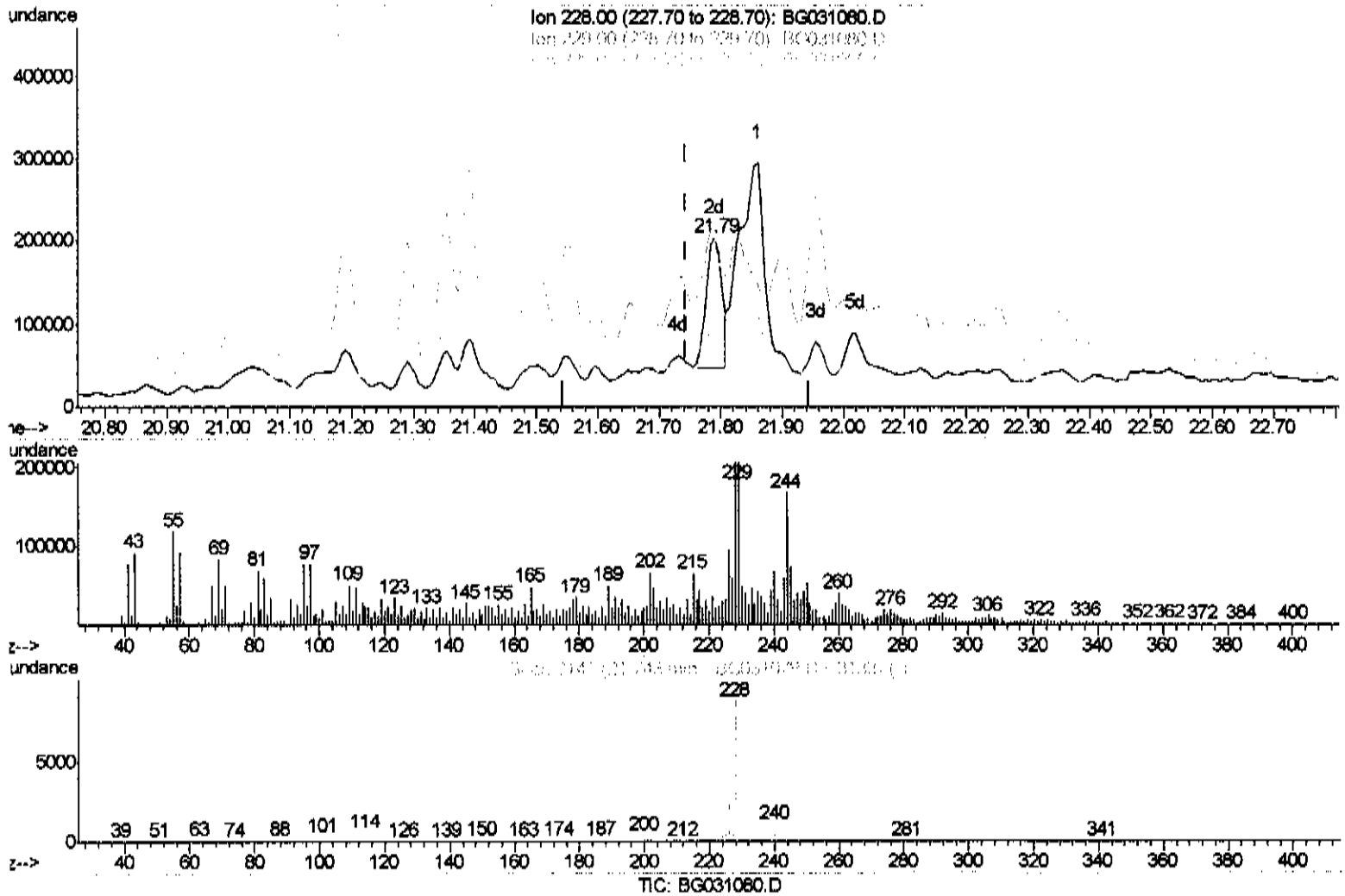
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
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Instrument :
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SOHIL
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(21) Benzo(a)anthracene

21.790min (+0.046) 11.85ng/ul m

response 279309

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	100.16#
226.00	27.60	46.33#
0.00	0.00	0.00

SJ 11/21/17

Quantitation Report (Qedit)

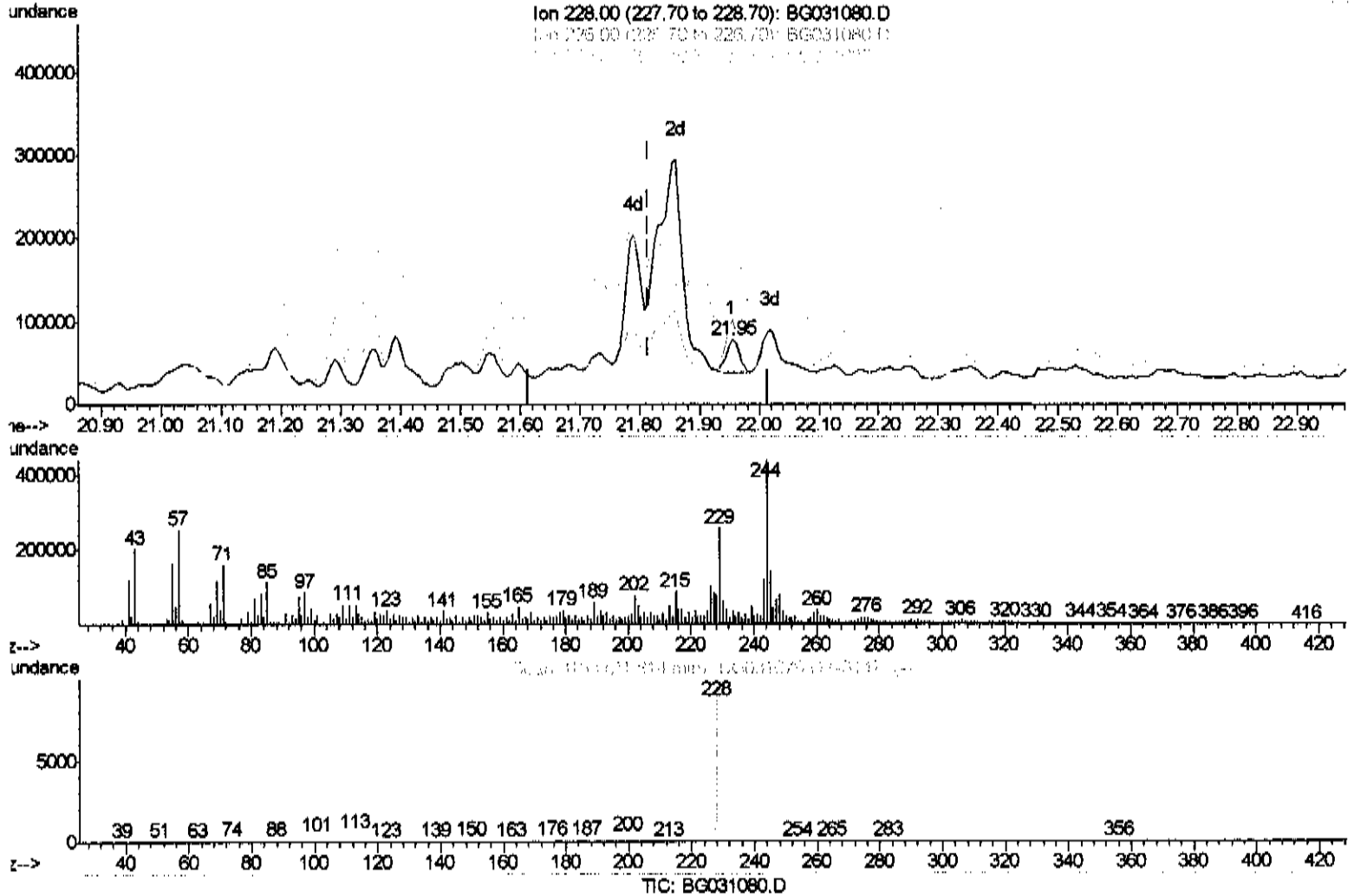
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acc On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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SOHIL
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Quant Time: Nov 18 00:50:02 2017
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(22) Chrysene

21.954min (+0.140) 2.75ng/ul

response 61717

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	130.46#
229.00	20.80	325.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

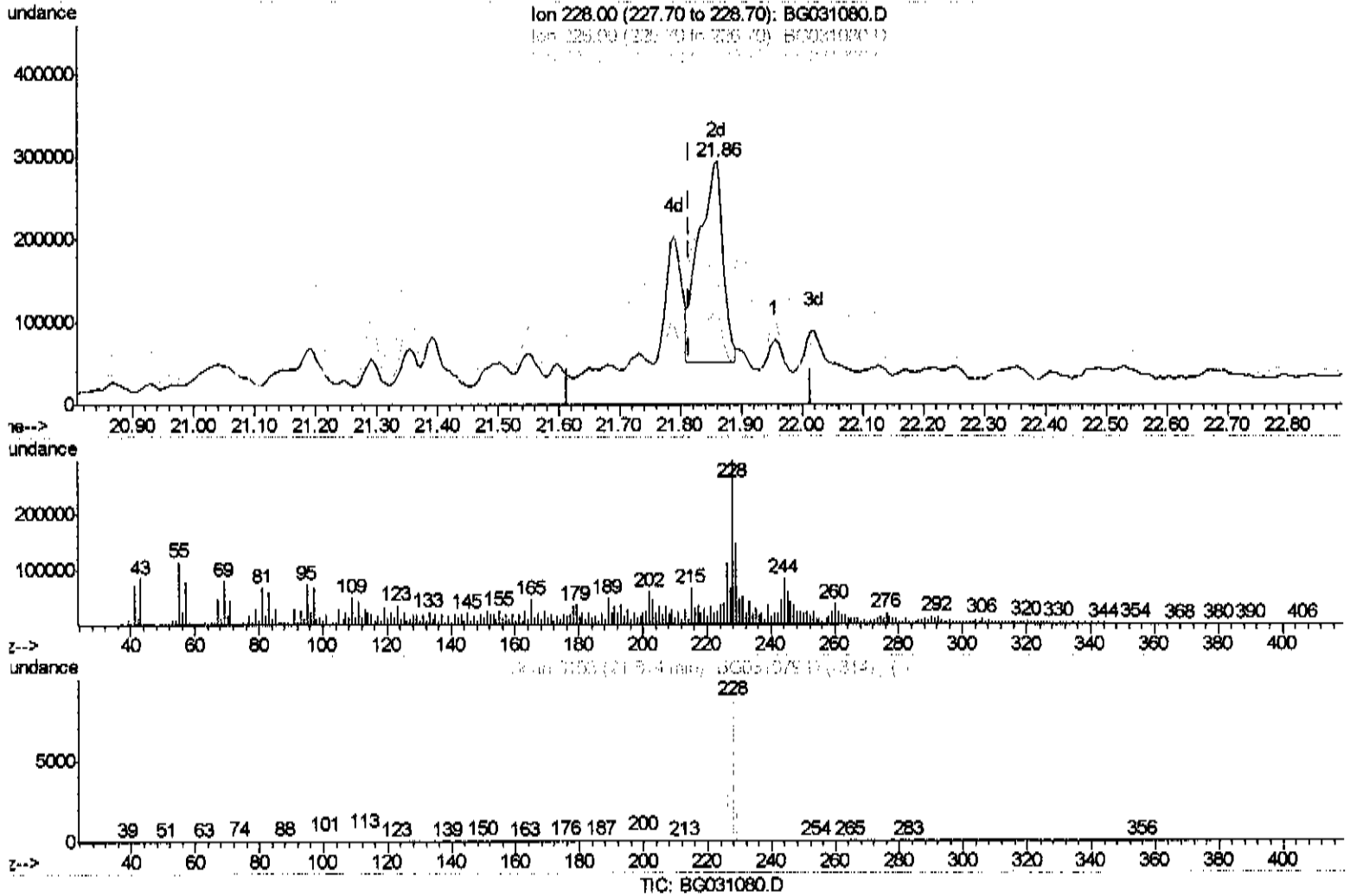
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
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Quant Time: Nov 18 00:50:02 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
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 Response via : Initial Calibration



(22) Chrysene

21.860min (+0.046) 29.58ng/ul m

response 663199

Ion	Exp%	Act%
228.00	100	100
226.00	31.30	37.83%
229.00	20.80	49.69%
0.00	0.00	0.00

SJ 11/21/17

Quantitation Report (Qedit)

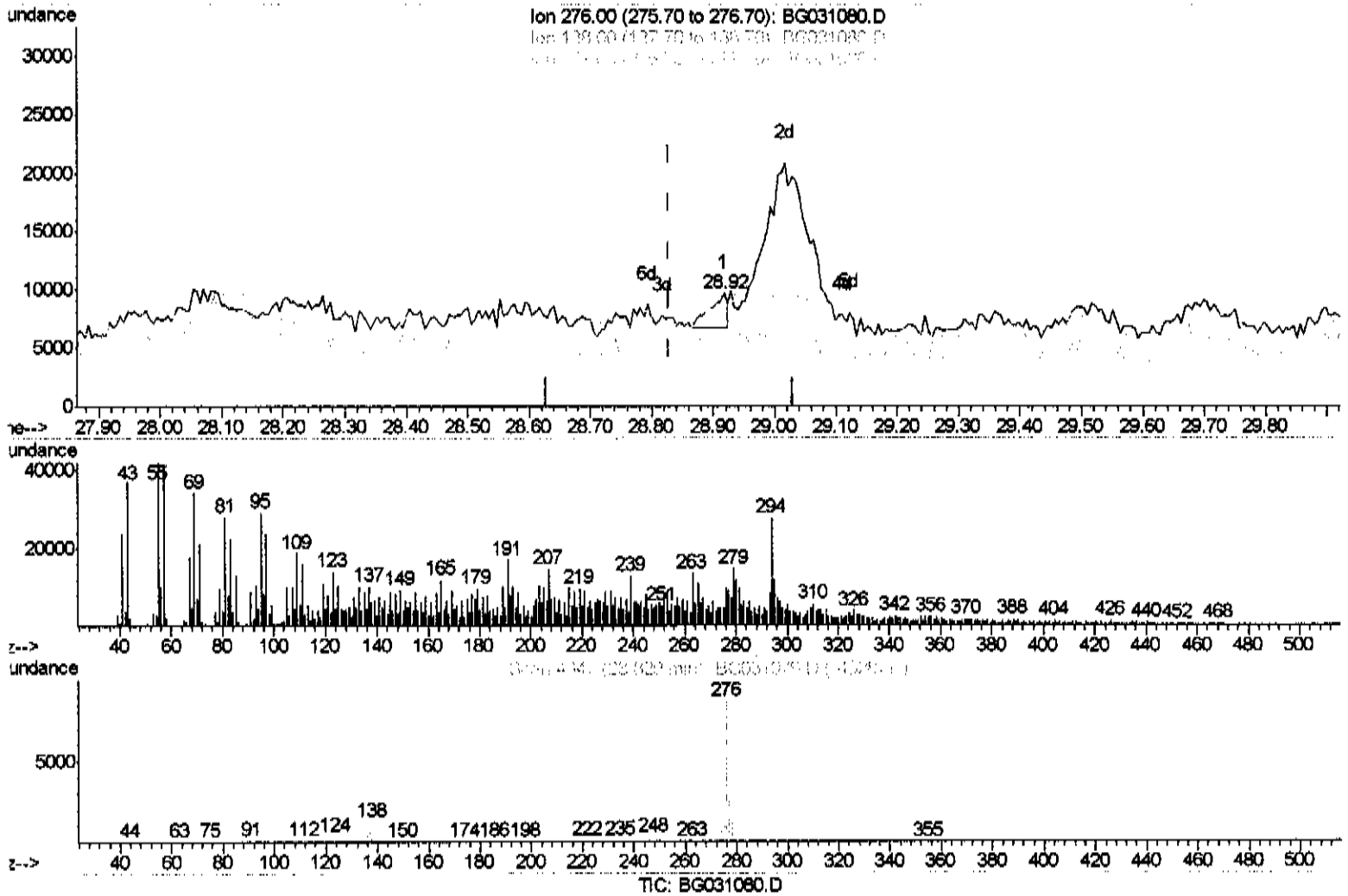
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:51:24 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
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(28) Indeno(1,2,3-cd)pyrene

28.916min (+0.087) 0.22ng/ul

response 5816

Ion	Exp%	Act%
276.00	100	100
138.00	22.20	62.94#
277.00	24.20	91.69#
0.00	0.00	0.00

Quantitation Report (Qedit)

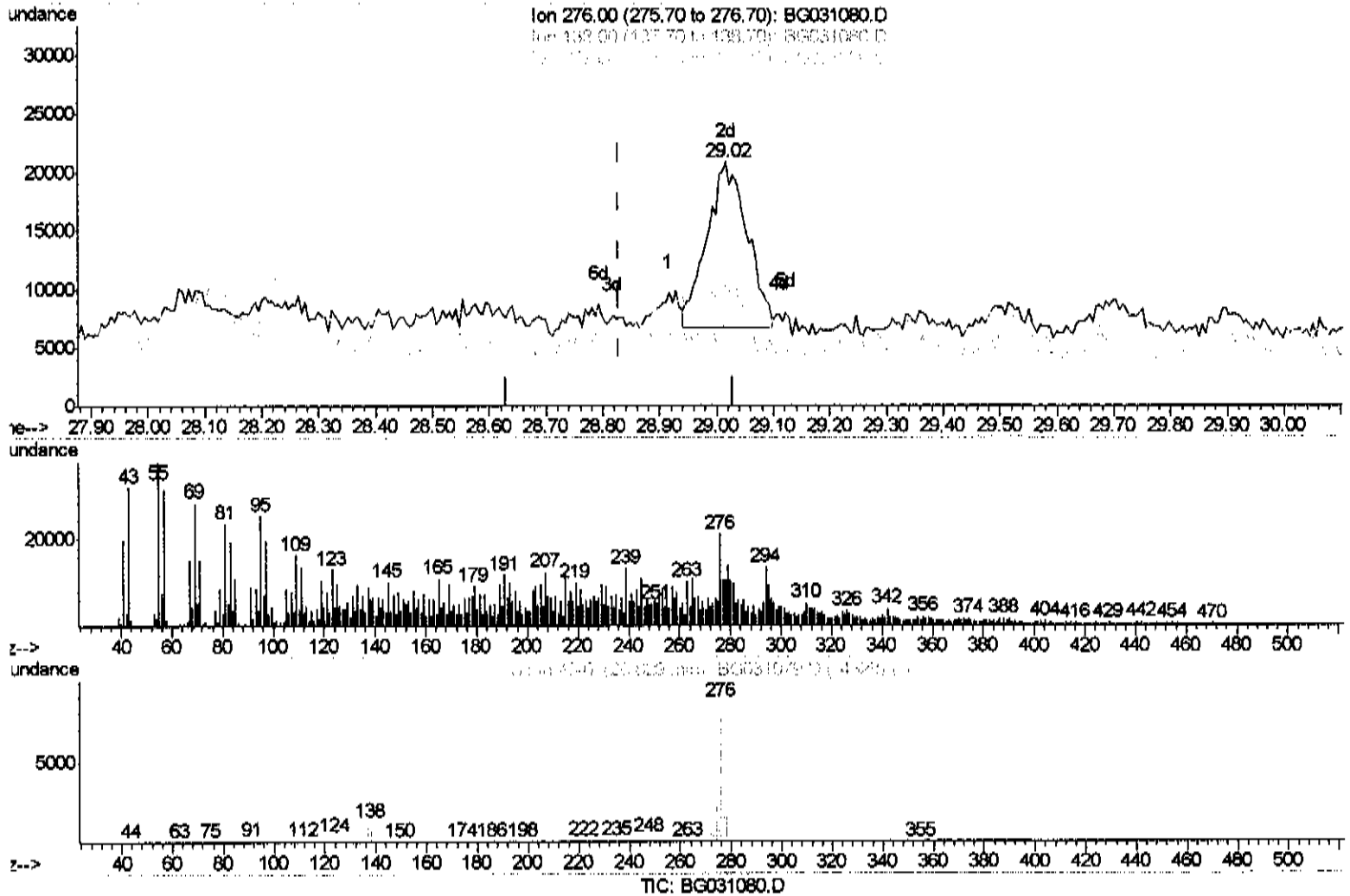
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:51:24 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration



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

29.016min (+0.187) 2.62ng/ul m

response 69601

Ion	Exp%	Act%
276.00	100	100
138.00	22.20	29.37#
277.00	24.20	50.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

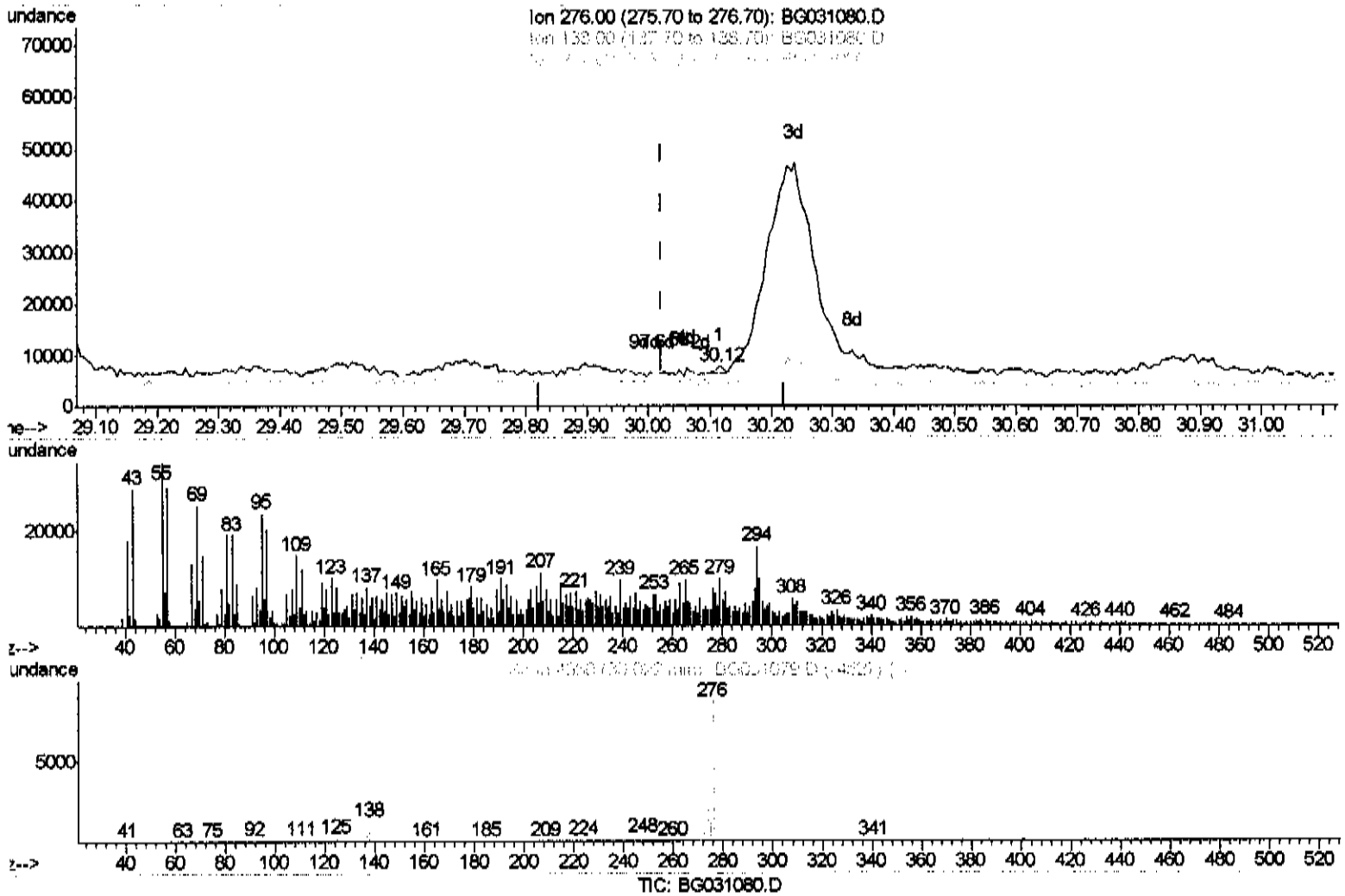
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:51:24 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration



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

30.115min (+0.093) 0.07ng/ul

response 1521

Ion	Exp%	Act%
276.00	100	100
138.00	23.70	58.49#
277.00	24.60	86.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

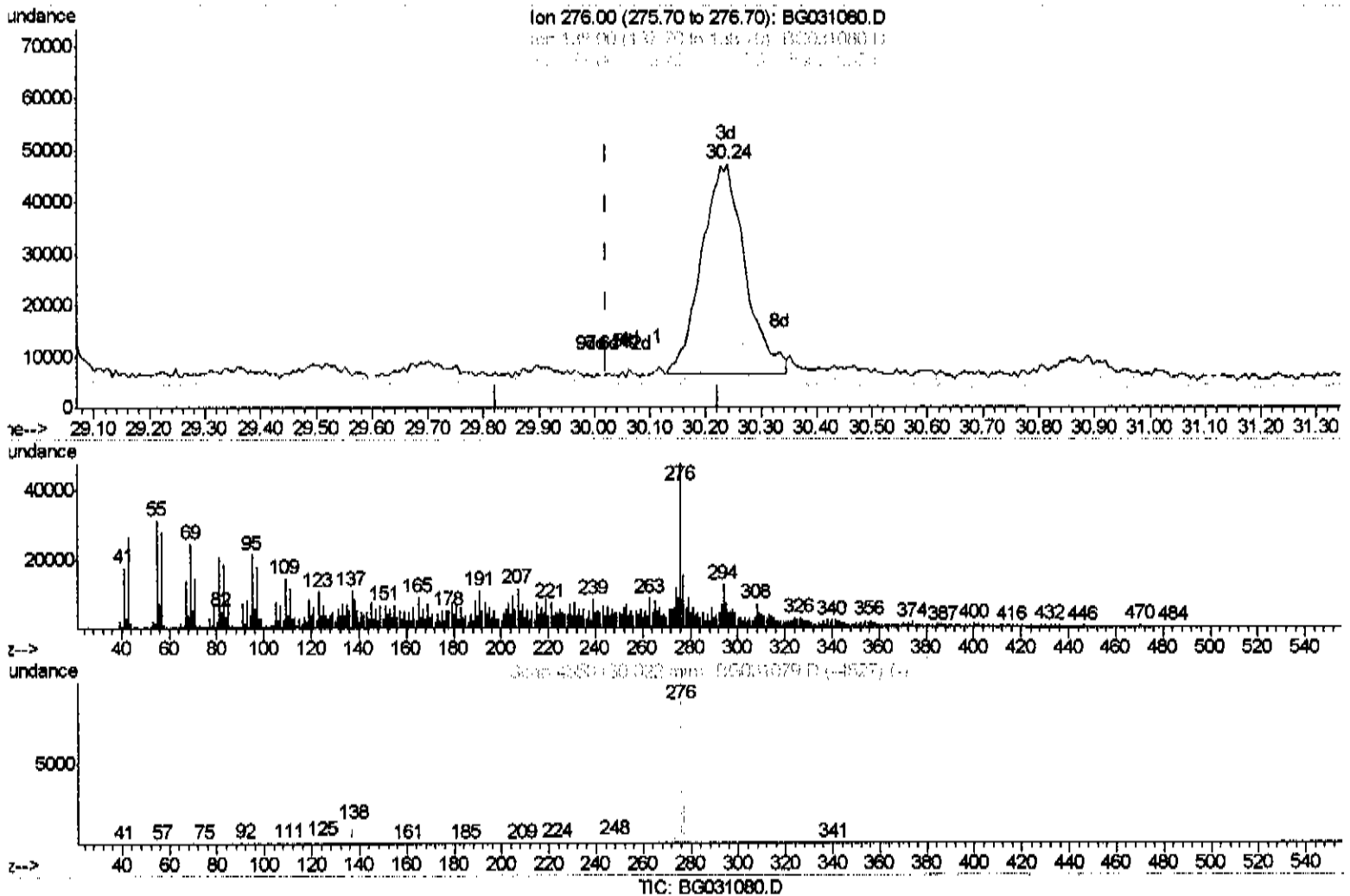
Data Path : Z:\HPCHEM1\BNA G\DATA\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 18 00:51:24 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration



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

30.238min (+0.217) 10.10ng/ul m

response 223347

Ion	Exp%	Act%
276.00	100	100
138.00	23.70	18.22#
277.00	24.60	32.21#
0.00	0.00	0.00

5/11/2017

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG111717\
 Data File : BG031080.D
 Acq On : 17 Nov 2017 13:46
 Operator : SJ/JU
 Sample : I6350-02
 Disc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 B0F81

Manual Integrations
 APPROVED

SOHIL
 11/20/2017 4:42:39 PM

Quant Time: Nov 21 06:05:44 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG111617-PAH.M
 Quant Title : SVOA CALIBRATION
 Last Update : Sat Nov 18 00:38:46 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	52558	20.00	ng/ul	0.00
2) Naphthalene-d8	10.95	136	223110	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.76	164	140927	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.51	188	321689m	20.00	ng/ul	0.01
18) Chrysene-d12	21.81	240	386904m	20.00	ng/ul	0.04
23) Perylene-d12	25.17	264	402358	20.00	ng/ul	0.12

System Monitoring Compounds

3) 2,4-Dichlorophenol-d3	10.59	165	37965	9.02	ng/uL	0.01
7) Acenaphthylene-d8	14.45	160	162824	11.11	ng/ul	0.00
10) Fluorene-d10	15.74	176	122313	10.39	ng/ul	0.00
15) Anthracene-d10	17.60	188	189082	11.74	ng/ul	0.01
19) Pyrene-d10	19.89	212	252881m	14.31	ng/ul	0.02
26) Benzo(a)pyrene-d12	24.94	264	233018	11.71	ng/ul	0.11

Target Compounds

						Qvalue
4) Naphthalene	11.00	128	20462	1.92	ng/ul#	90
5) 2-Methylnaphthalene	12.59	142	81607	9.26	ng/ul	99
9) Acenaphthene	14.83	153	25095	2.71	ng/ul#	78
11) Fluorene	15.80	166	41332	3.52	ng/ul#	81
14) Phenanthrene	17.55	178	452930m	26.24	ng/ul	
16) Anthracene	17.64	178	39079m	2.23	ng/ul	
17) Fluoranthene	19.56	202	269401m	11.21	ng/ul	
20) Pyrene	19.93	202	1840811m	89.64	ng/ul	
21) Benzo(a)anthracene	21.79	228	279309m	11.85	ng/ul	
22) Chrysene	21.86	228	663199m	29.58	ng/ul	
27) Benzo(a)pyrene	25.02	252	301066	12.92	ng/ul#	63
28) Indeno(1,2,3-cd)pyrene	29.02	276	69601m	2.62	ng/ul	
30) Benzo(a,h,i)perylene	30.24	276	223347m	10.10	ng/ul	

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