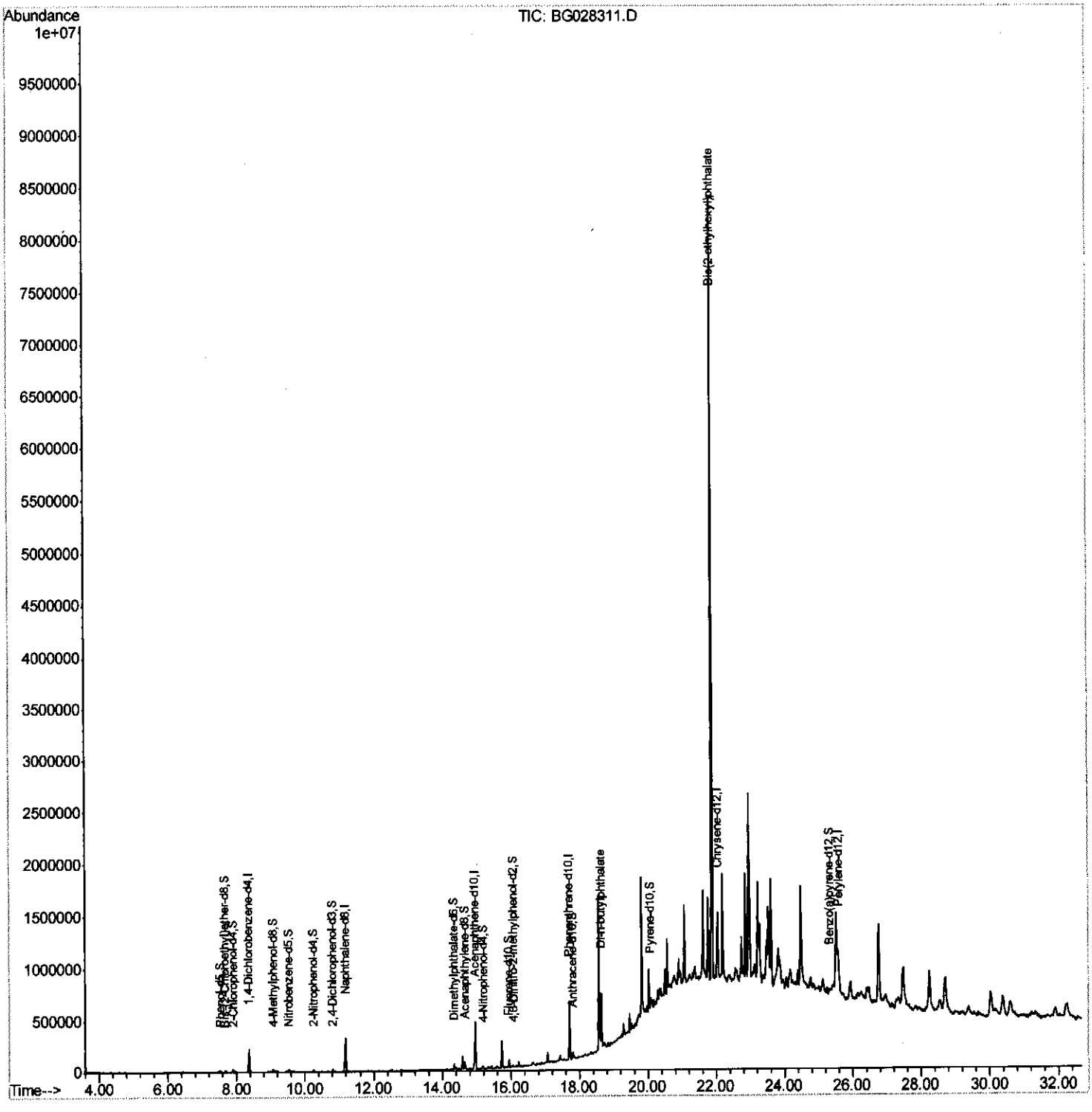
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:20:26 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM

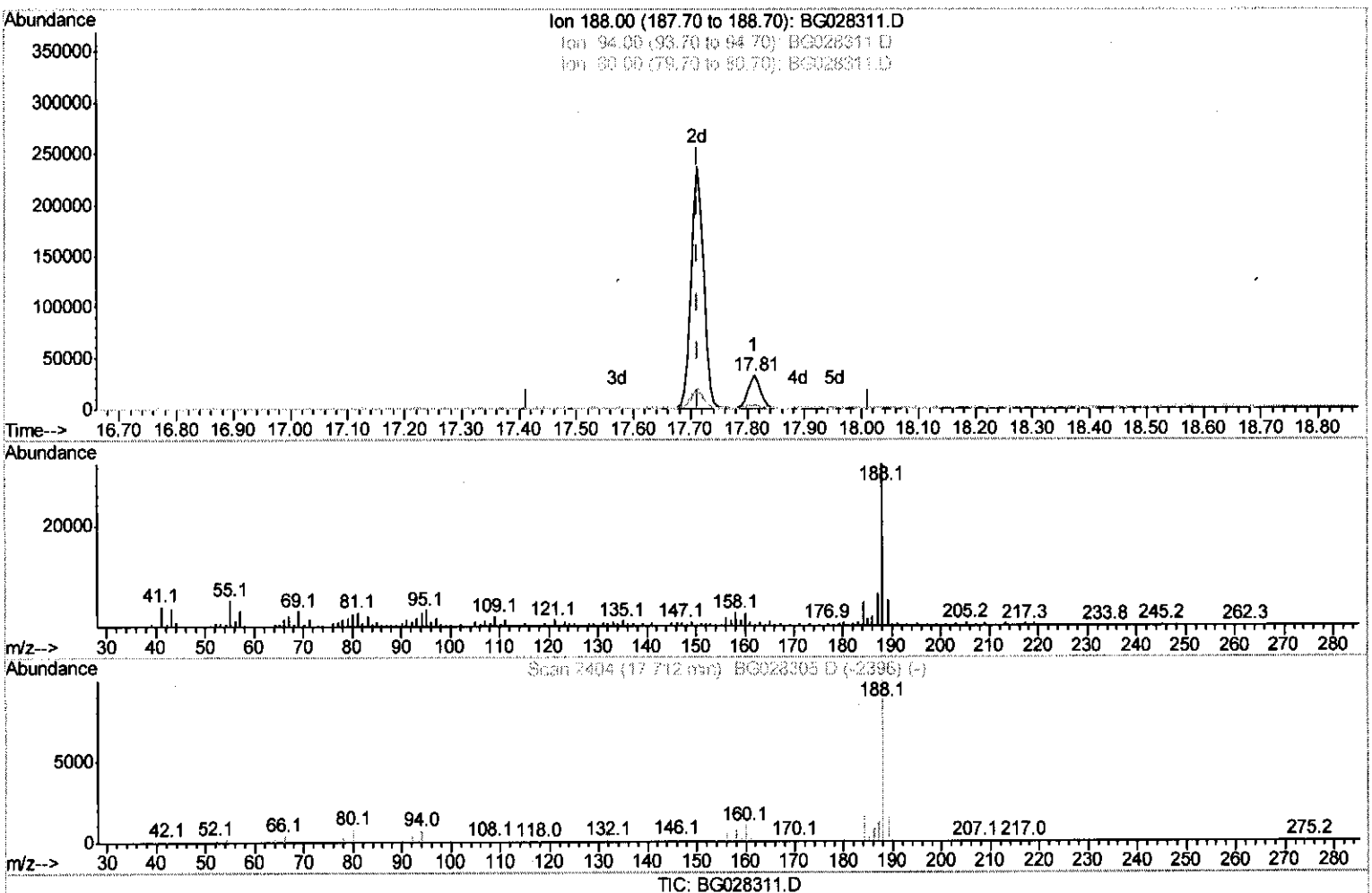


Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:15:37 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM



TIC: BG028311.D

(61) Phenanthrene-d10 (I)

17.812min (+0.100) 20.00ng/ul

response 48580

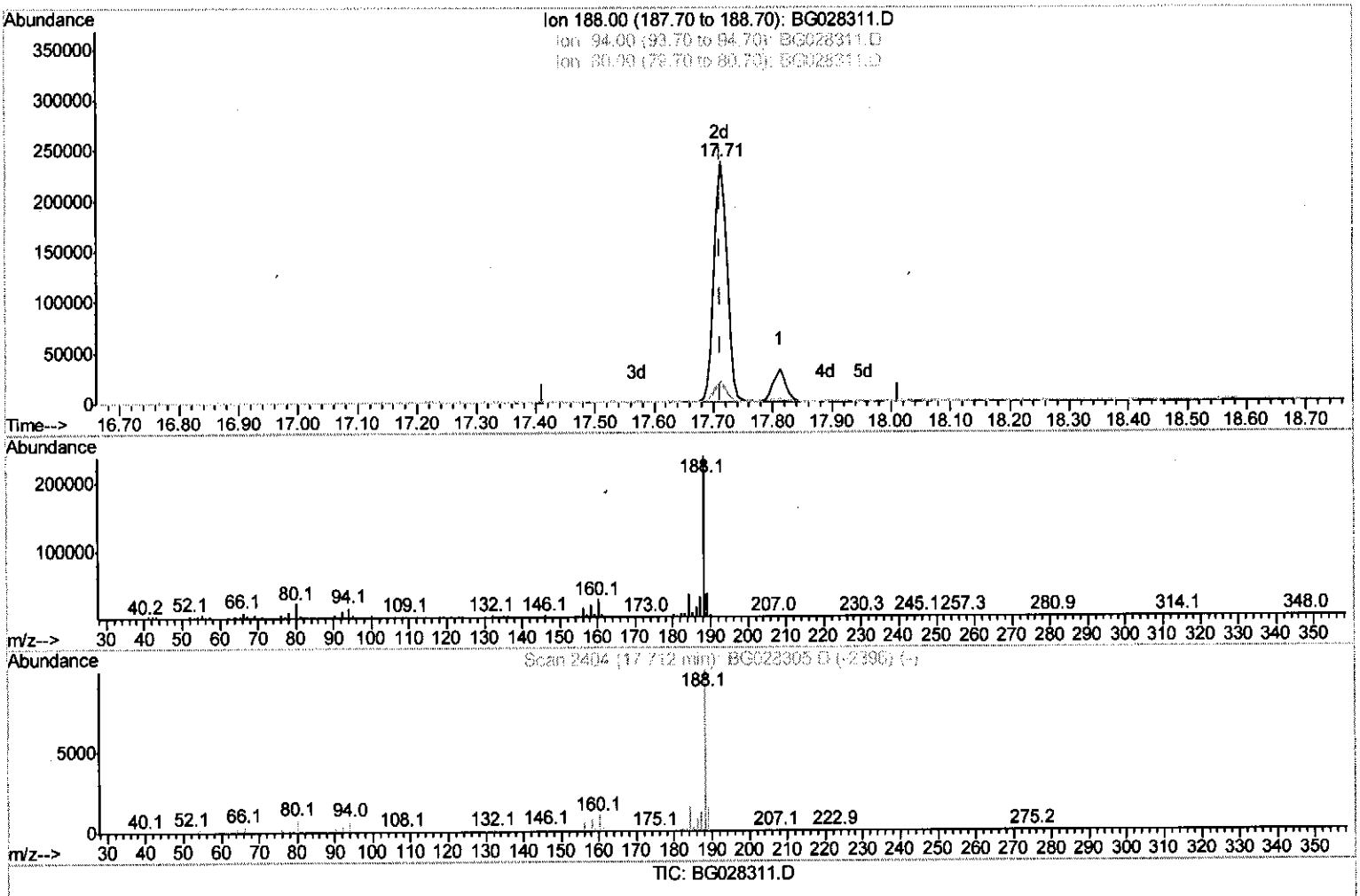
Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.59
80.00	9.50	7.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:15:37 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM



TIC: BG028311.D

(61) Phenanthrene-d10 (I)

17.712min (-0.000) 20.00ng/ul m

response 365357

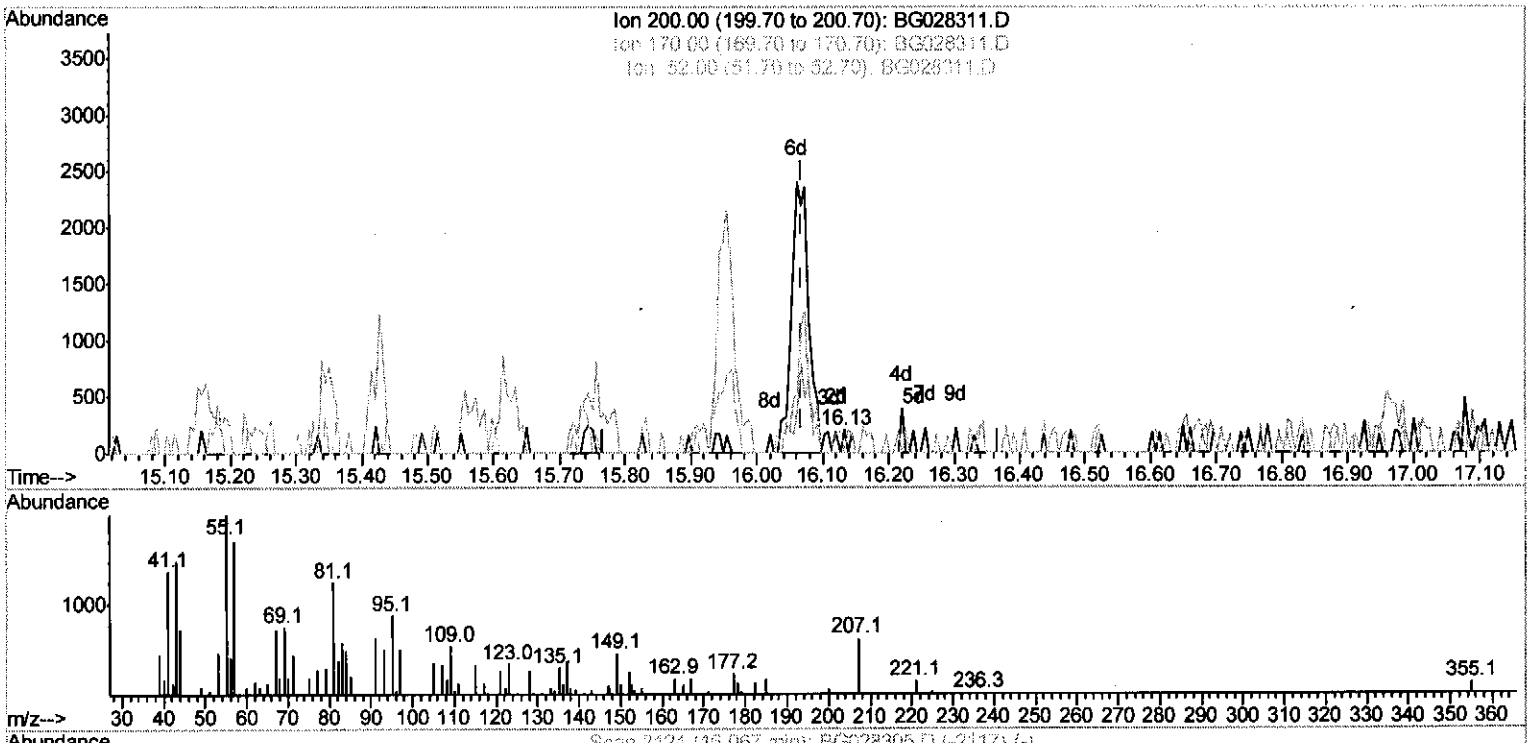
Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.33#
80.00	9.50	8.80
0.00	0.00	0.00

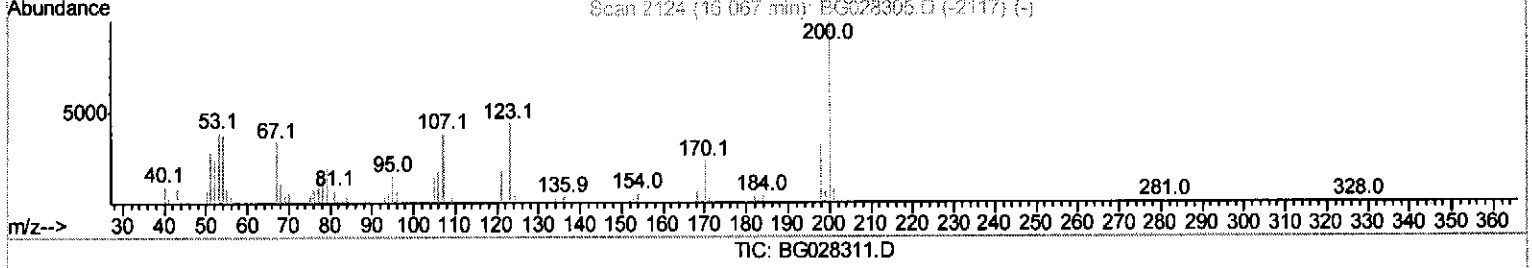
Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:18:11 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM





TIC: BG028311.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.132min (+0.064) 0.06ng/ul

response 131

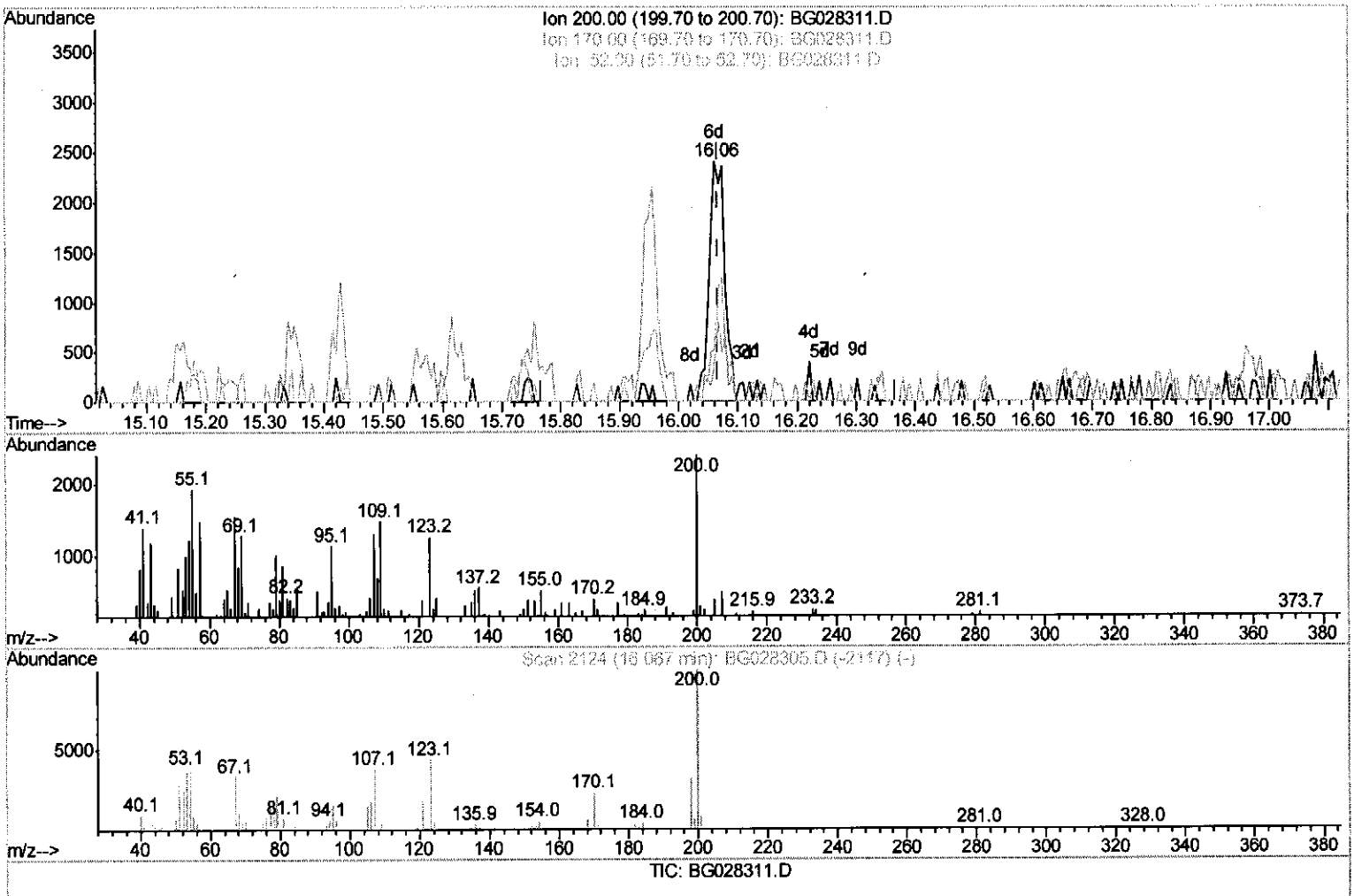
Ion	Exp%	Act%
200.00	100	100
170.00	23.20	0.00#
52.00	47.20	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:18:11 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM



TIC: BG028311.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.061min (-0.006) 1.86ng/ul m

response 4408

Ion	Exp%	Act%
200.00	100	100
170.00	23.20	16.38#
52.00	47.20	21.99#
0.00	0.00	0.00

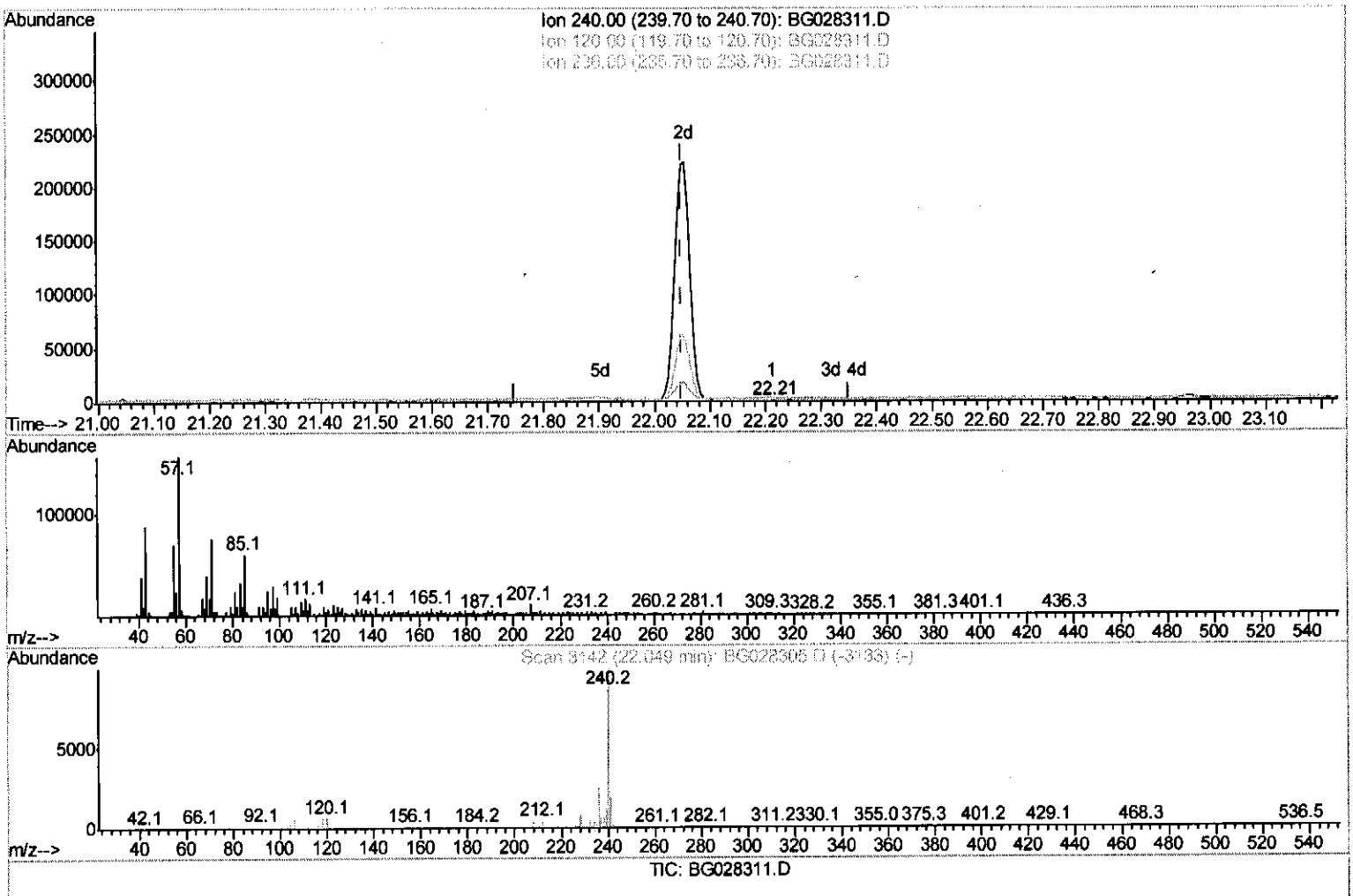
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:18:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM



TIC: BG028311.D

(75) Chrysene-d12 (I)

22.213min (+0.164) 20.00ng/ul

response 1050

Ion	Exp%	Act%
240.00	100	100
120.00	6.40	304.96#
236.00	27.90	123.62#
0.00	0.00	0.00

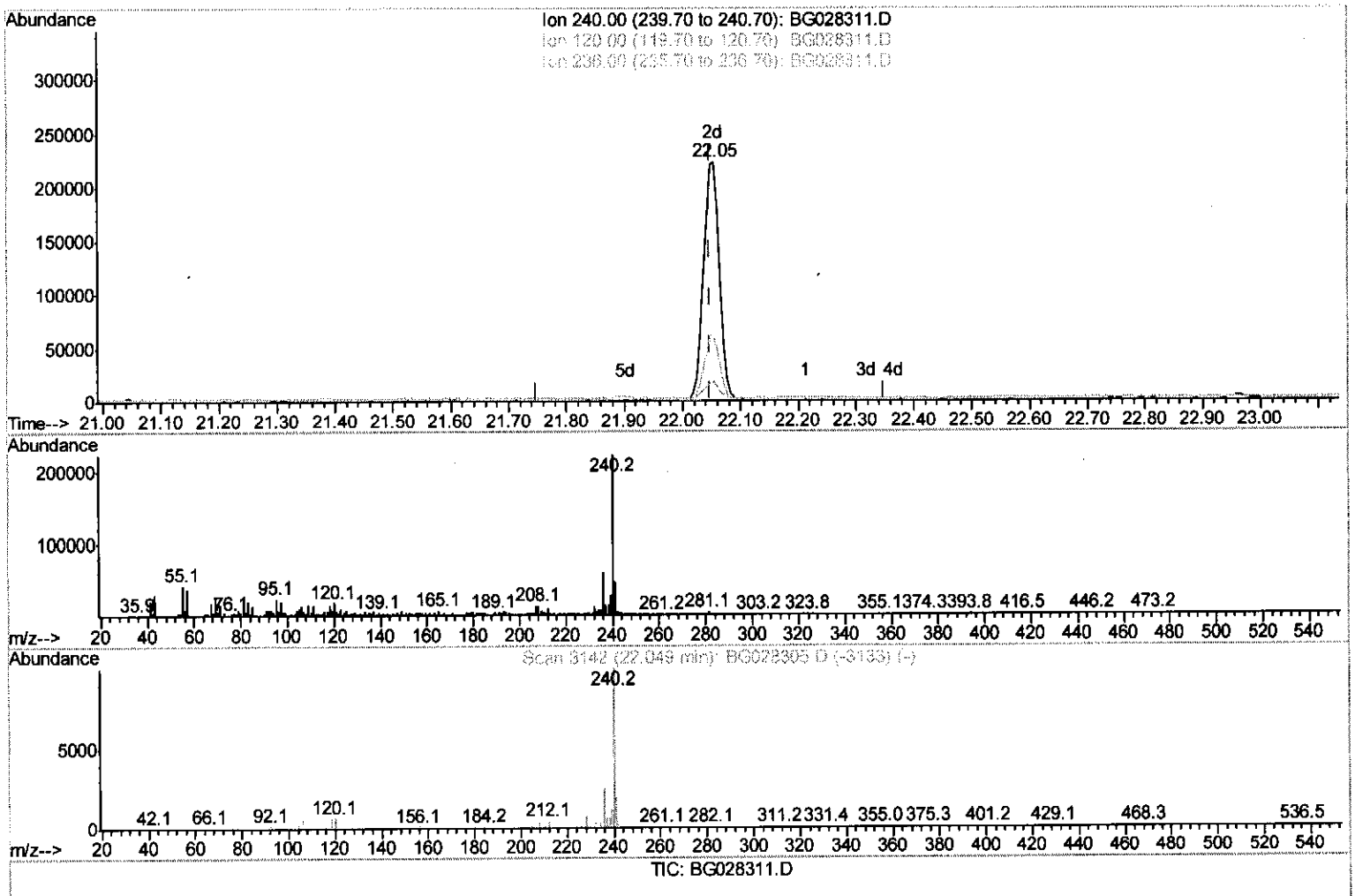
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:18:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM



(75) Chrysene-d12 (I)

22.054min (+0.006) 20.00ng/ul m

response 424061

Ion	Exp%	Act%
240.00	100	100
120.00	6.40	8.17#
236.00	27.90	26.93
0.00	0.00	0.00

8/14/17

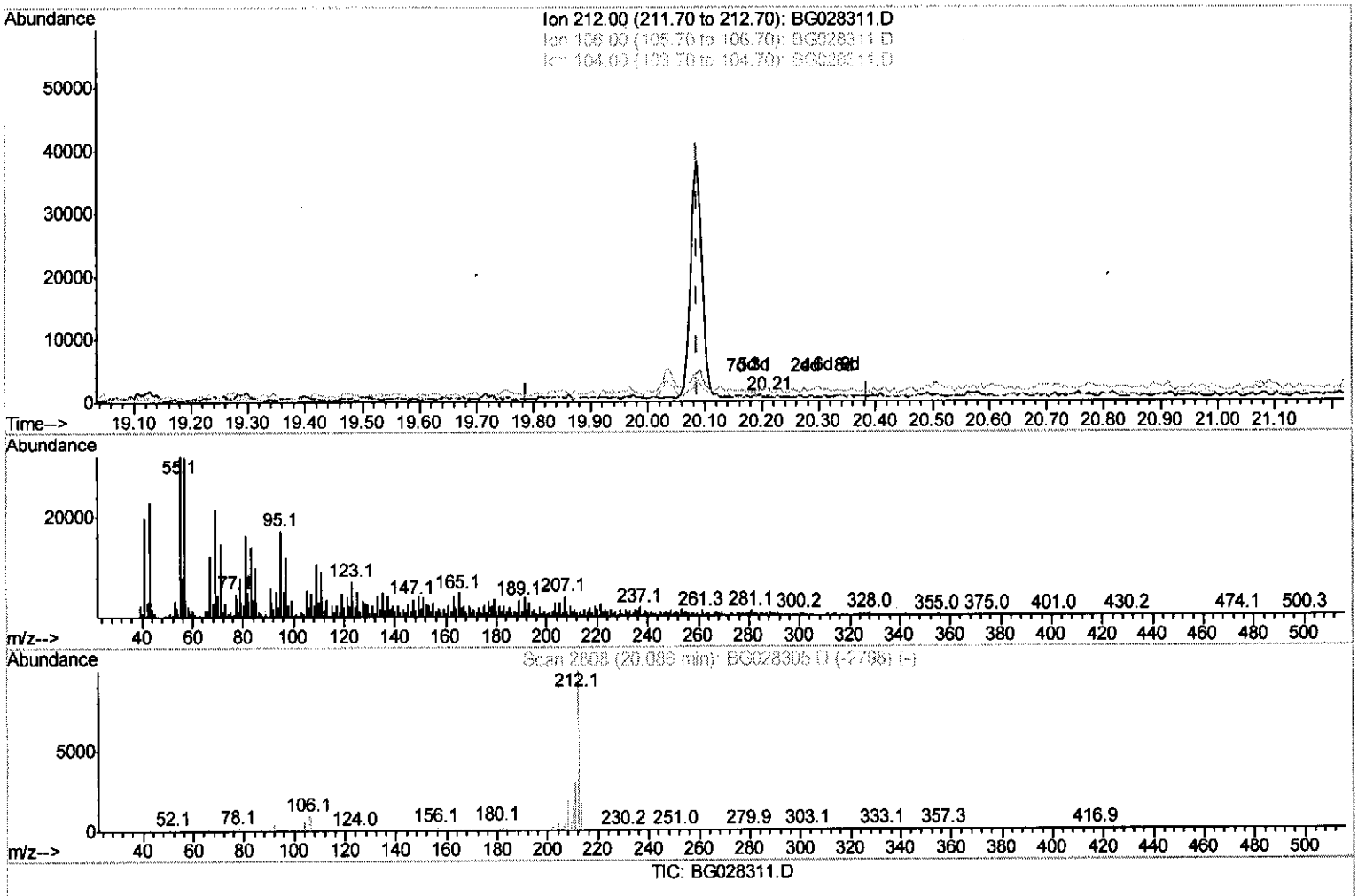
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:19:44 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM



TIC: BG028311.D

(76) Pyrene-d10 (S)

20.209min (+0.123) 0.01ng/ul

response 314

Ion	Exp%	Act%
212.00	100	100
106.00	8.60	236.70#
104.00	6.10	71.43#
0.00	0.00	0.00

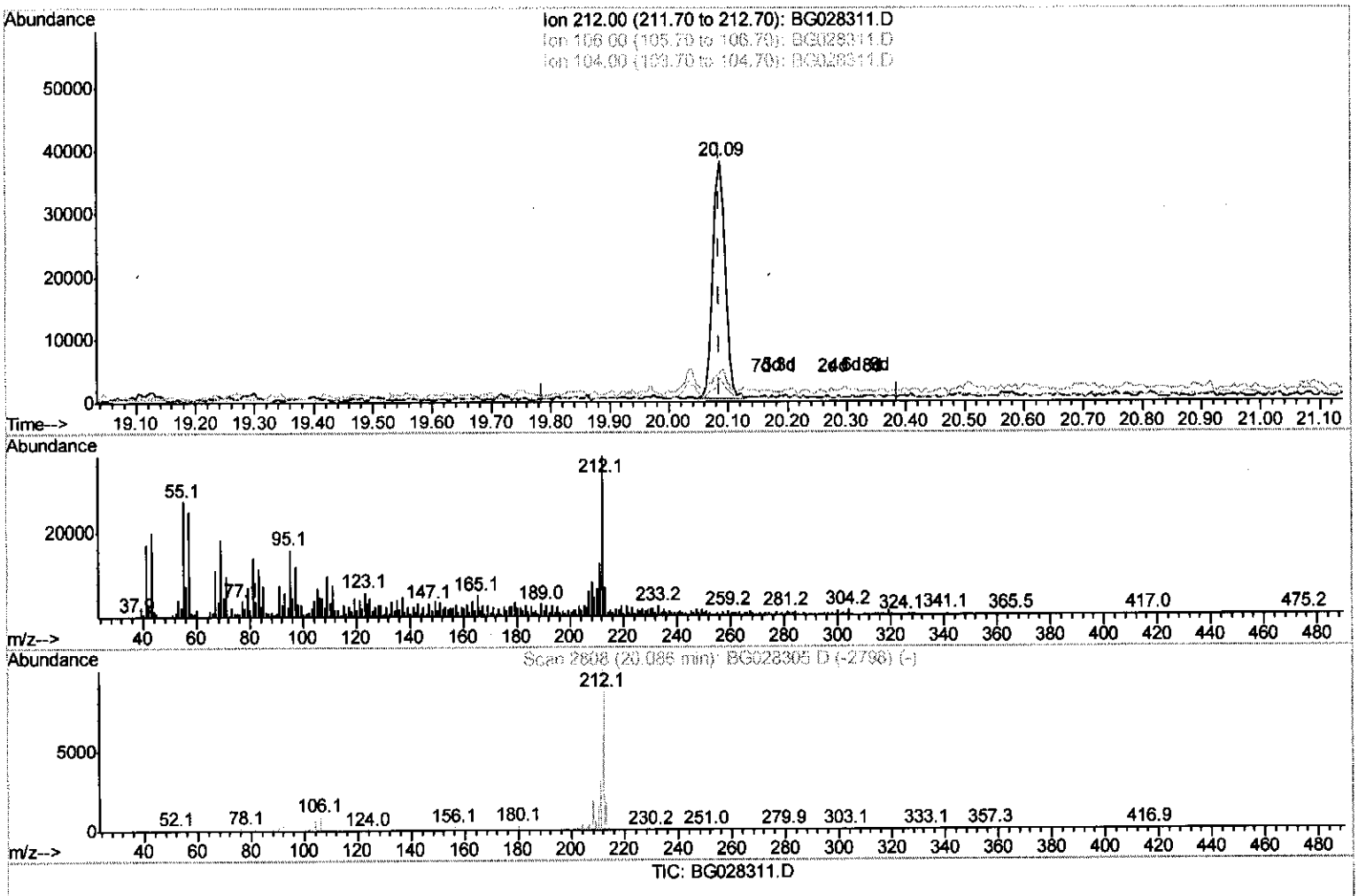
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 12 06:19:44 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM



TIC: BG028311.D

(76) Pyrene-d10 (S)

20.086min (-0.000) 2.50ng/ul m

response 54406

Ion	Exp%	Act%
212.00	100	100
106.00	8.60	11.80#
104.00	6.10	9.74#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081117\
Data File : BG028311.D
Acq On : 12 Aug 2017 5:31
Operator : SJ/JU
Sample : I4521-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BC8B9

Manual Integrations APPROVED
sohil
8/14/2017 6:59:59 PM

Quant Time: Aug 12 06:20:26 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 12 02:00:35 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	62846	20.00	ng/ul	0.00
18) Naphthalene-d8	11.18	136	270538	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	162771	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.71	188	365357m	20.00	ng/ul	0.00
75) Chrysene-d12	22.05	240	424061m	20.00	ng/ul	0.00
83) Perylene-d12	25.58	264	429152	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.85	96	345	0.26	ng/uL	0.00
5) Phenol-d5	7.51	99	11168	1.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.67	67	9244	2.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.89	132	9373	2.15	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	9078	1.57	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	4930	2.33	ng/ul	0.00
22) 2-Nitrophenol-d4	10.26	143	6142	2.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.80	165	9807	2.04	ng/ul	0.01
29) 4-Chloroaniline-d4	11.30	131	67	0.01	ng/ul	0.00
43) Dimethylphthalate-d6	14.35	166	37608	2.60	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	40231	2.46	ng/ul	0.00
51) 4-Nitrophenol-d4	15.19	143	3235	1.41	ng/ul	0.02
57) Fluorene-d10	15.95	176	31031	2.39	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.06	200	4408m	1.86	ng/ul	0.00
70) Anthracene-d10	17.81	188	49122	2.80	ng/ul	0.00
76) Pyrene-d10	20.09	212	54406m	2.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.33	264	48701	2.42	ng/ul	0.02
Target Compounds						Qvalue
73) Di-n-butylphthalate	18.64	149	359922	17.691	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.90	149	3119744	231.444	ng/ul#	83

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