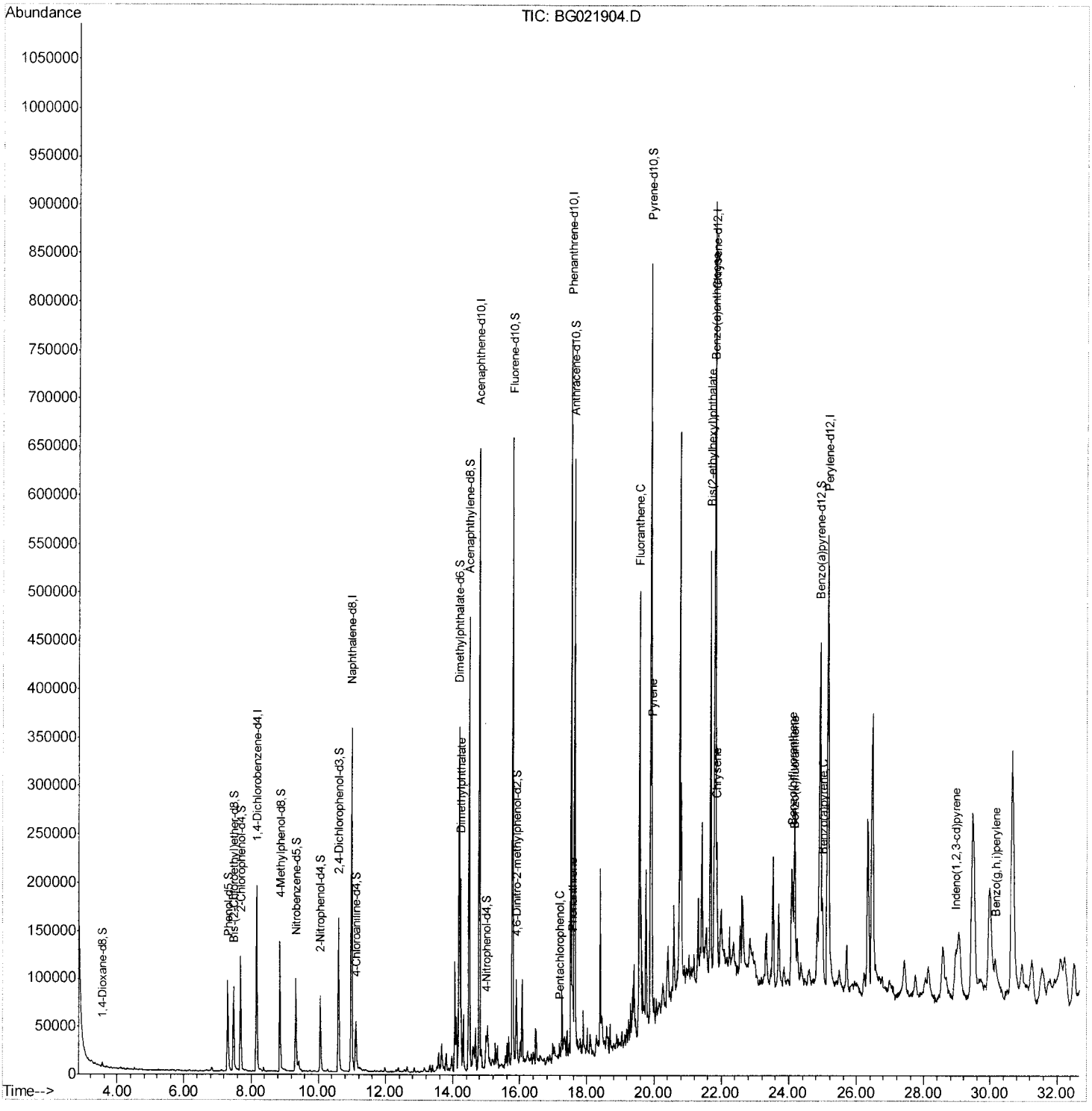
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:52:09 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



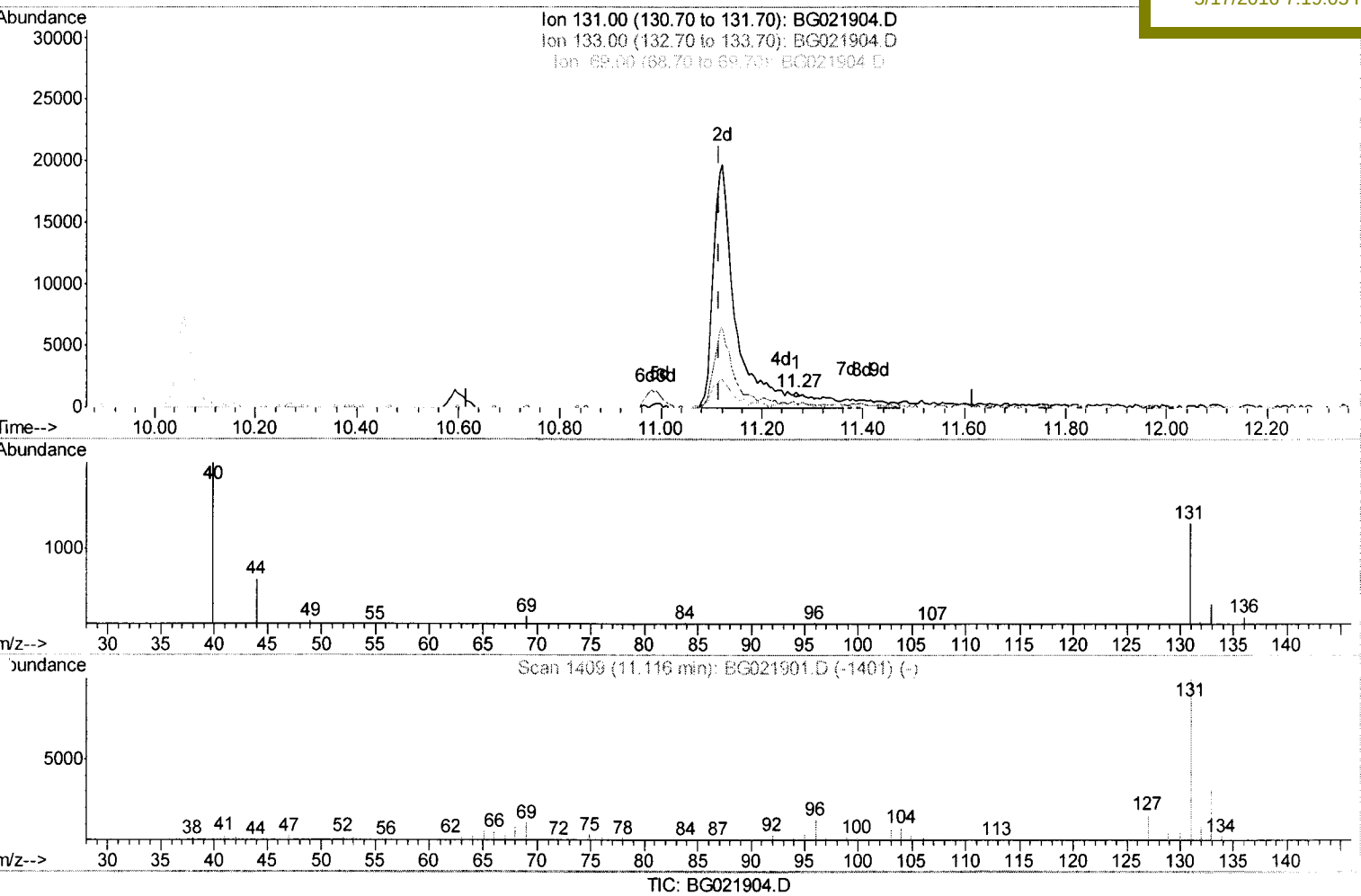
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(29) 4-Chloroaniline-d4 (S)

11.268min (+0.152) 0.02ng/ul

response 125

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	30.12
69.00	23.00	19.80
0.00	0.00	0.00

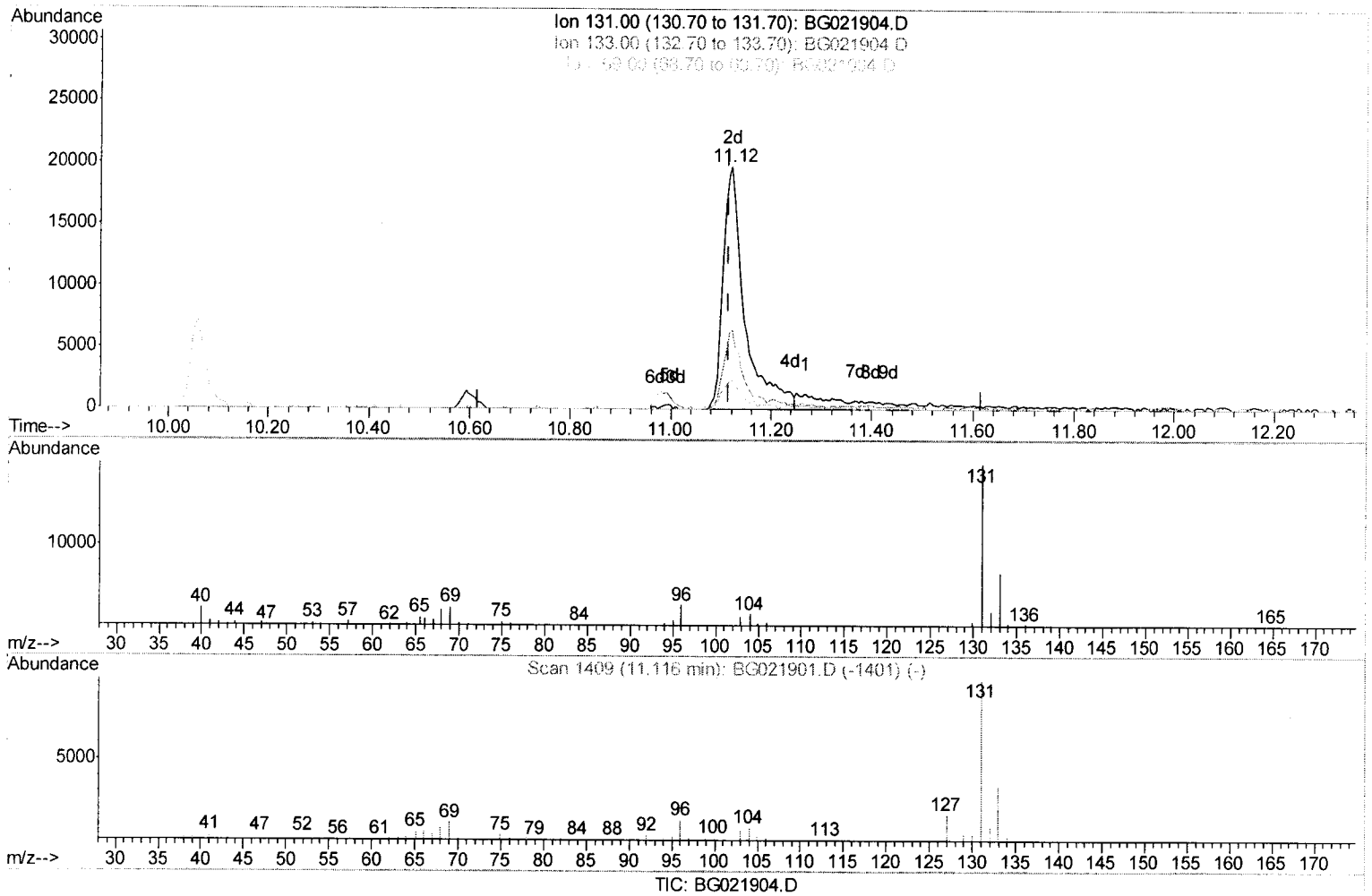
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(29) 4-Chloroaniline-d4 (S)

11.121min (+0.005) 11.04ng/ul m

response 58725

U.M 05116116

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	33.26
69.00	23.00	11.73#
0.00	0.00	0.00

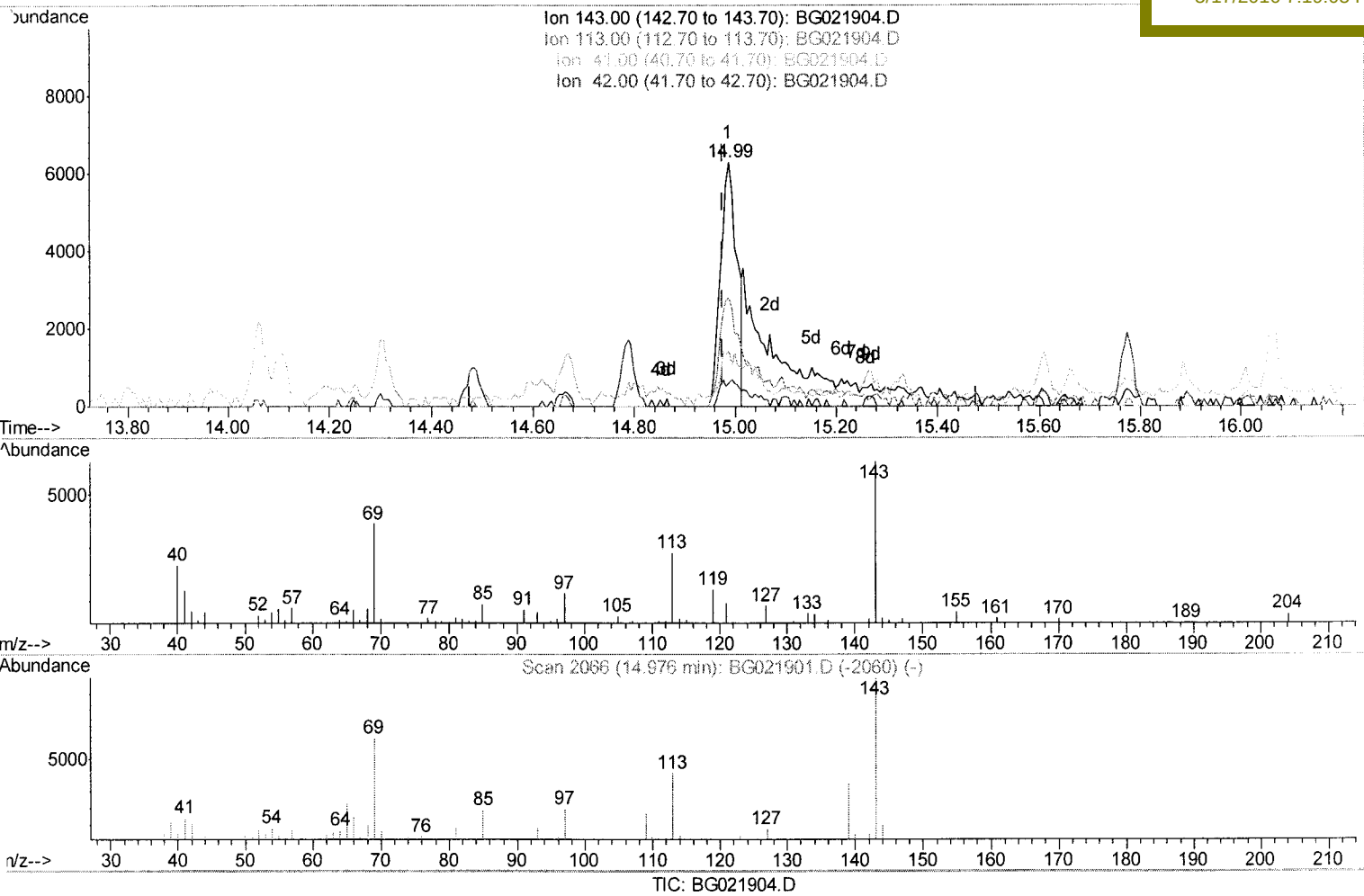
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(52) 4-Nitrophenol-d4 (S)

14.987min (+0.011) 4.60ng/ul

response 13915

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	44.69#
41.00	49.70	22.61#
42.00	33.70	9.53#

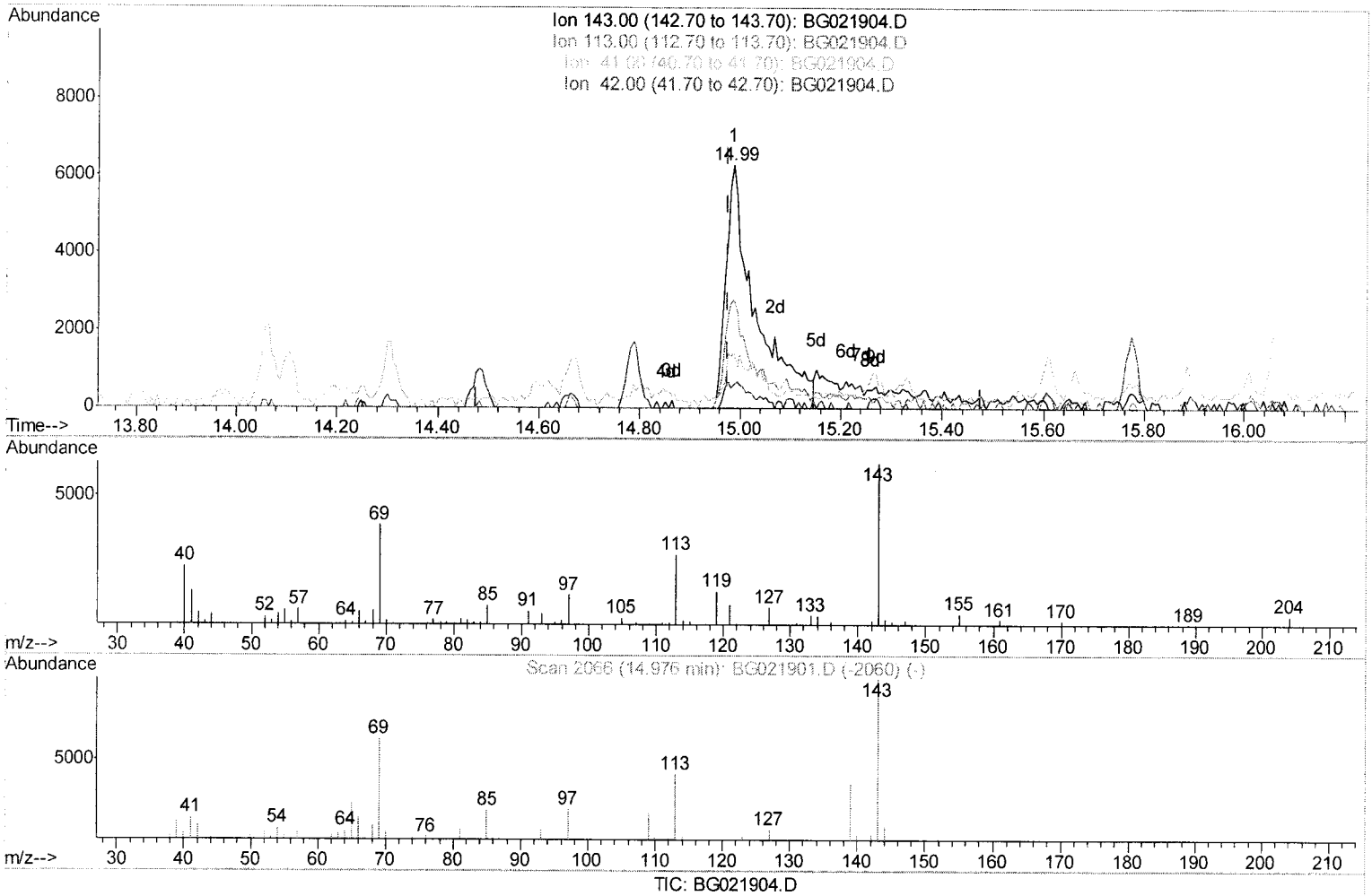
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(52) 4-Nitrophenol-d4 (S)

14.987min (+0.011) 8.58ng/ul m > U.M 05116111

response 25919

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	44.69#
41.00	49.70	22.61#
42.00	33.70	9.53#

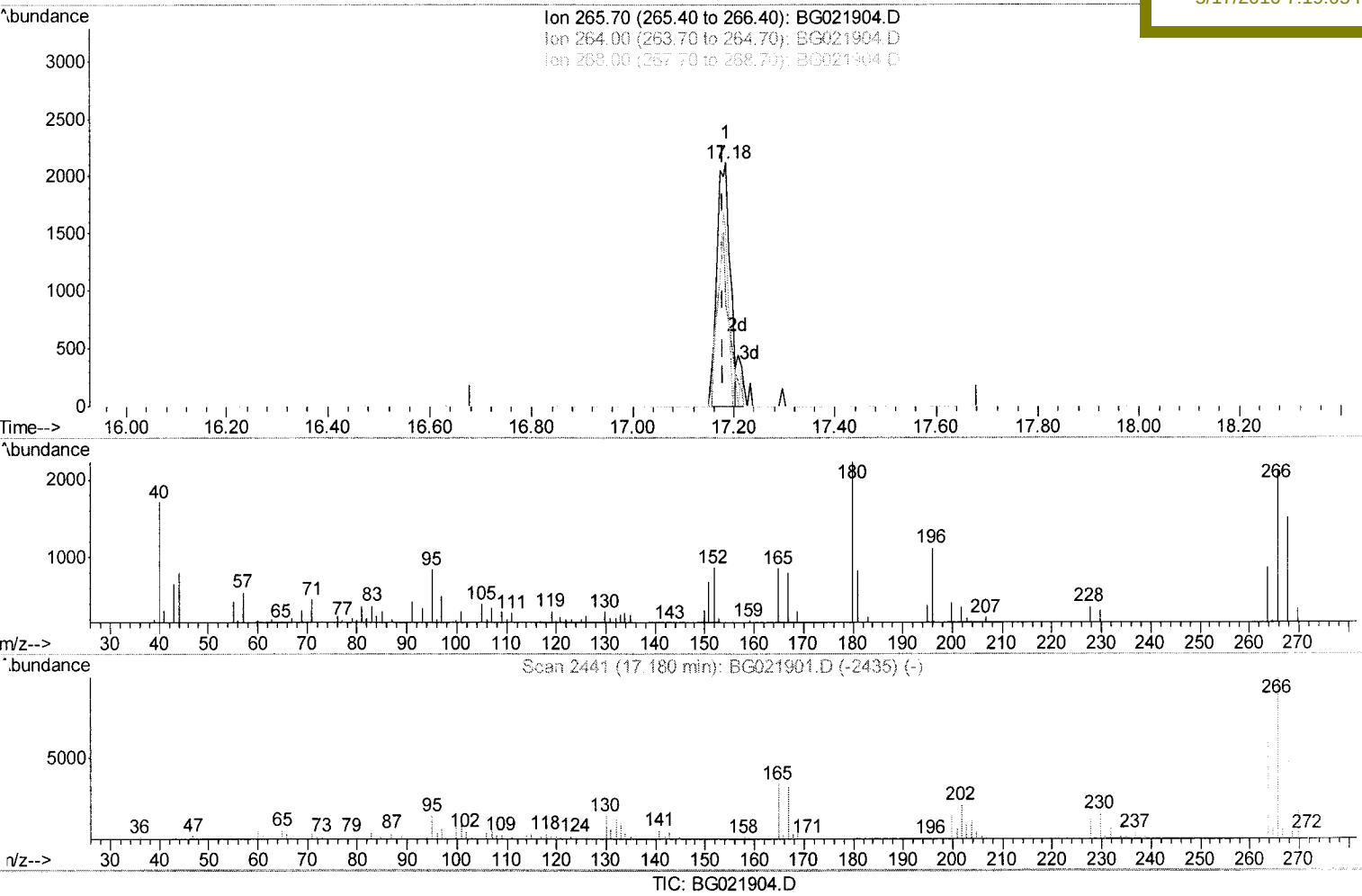
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(69) Pentachlorophenol (C)

17.185min (+0.005) 1.58ng/ul

response 3821

Ion	Exp%	Act%
265.70	100	100
264.00	70.90	49.34#
268.00	63.30	71.23
0.00	0.00	0.00

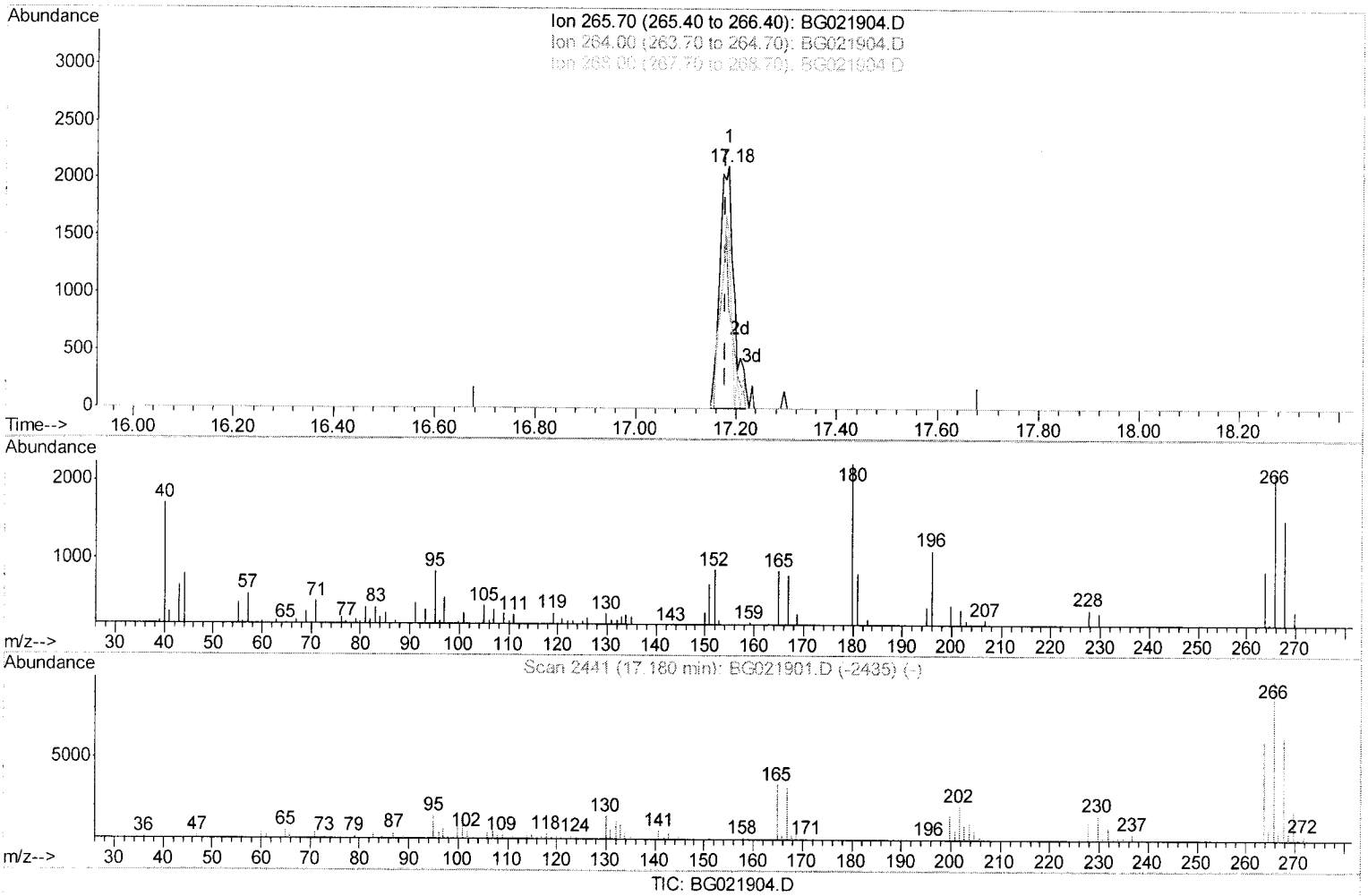
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(69) Pentachlorophenol (C)

17.185min (+0.005) 1.72ng/ul m > U.M 05/18/16

response 4168

Ion	Exp%	Act%
265.70	100	100
264.00	70.90	40.71#
268.00	63.30	71.23
0.00	0.00	0.00

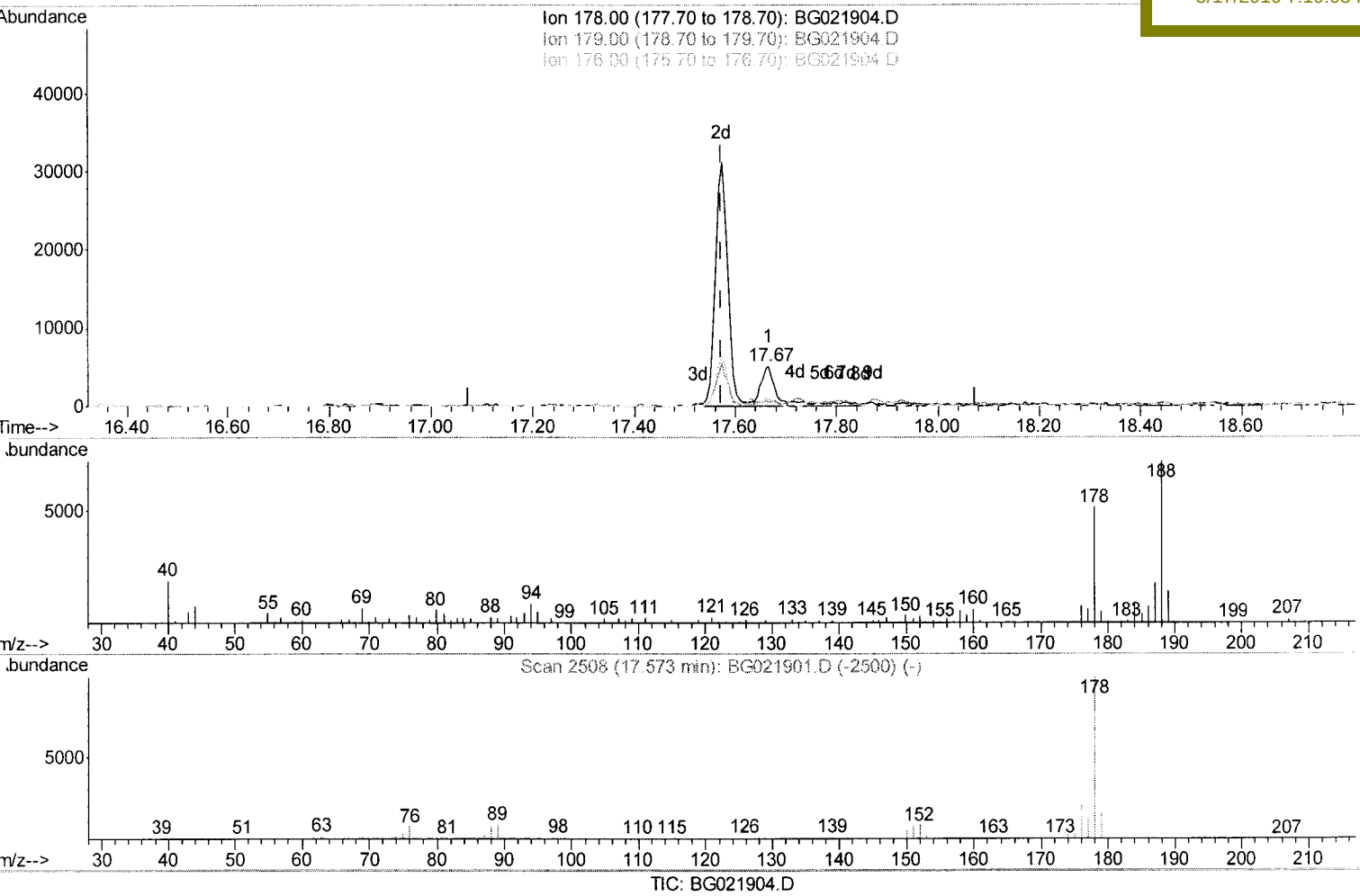
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(70) Phenanthrene

17.667min (+0.093) 0.31ng/ul

response 8905

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	12.13
176.00	18.50	16.85
0.00	0.00	0.00

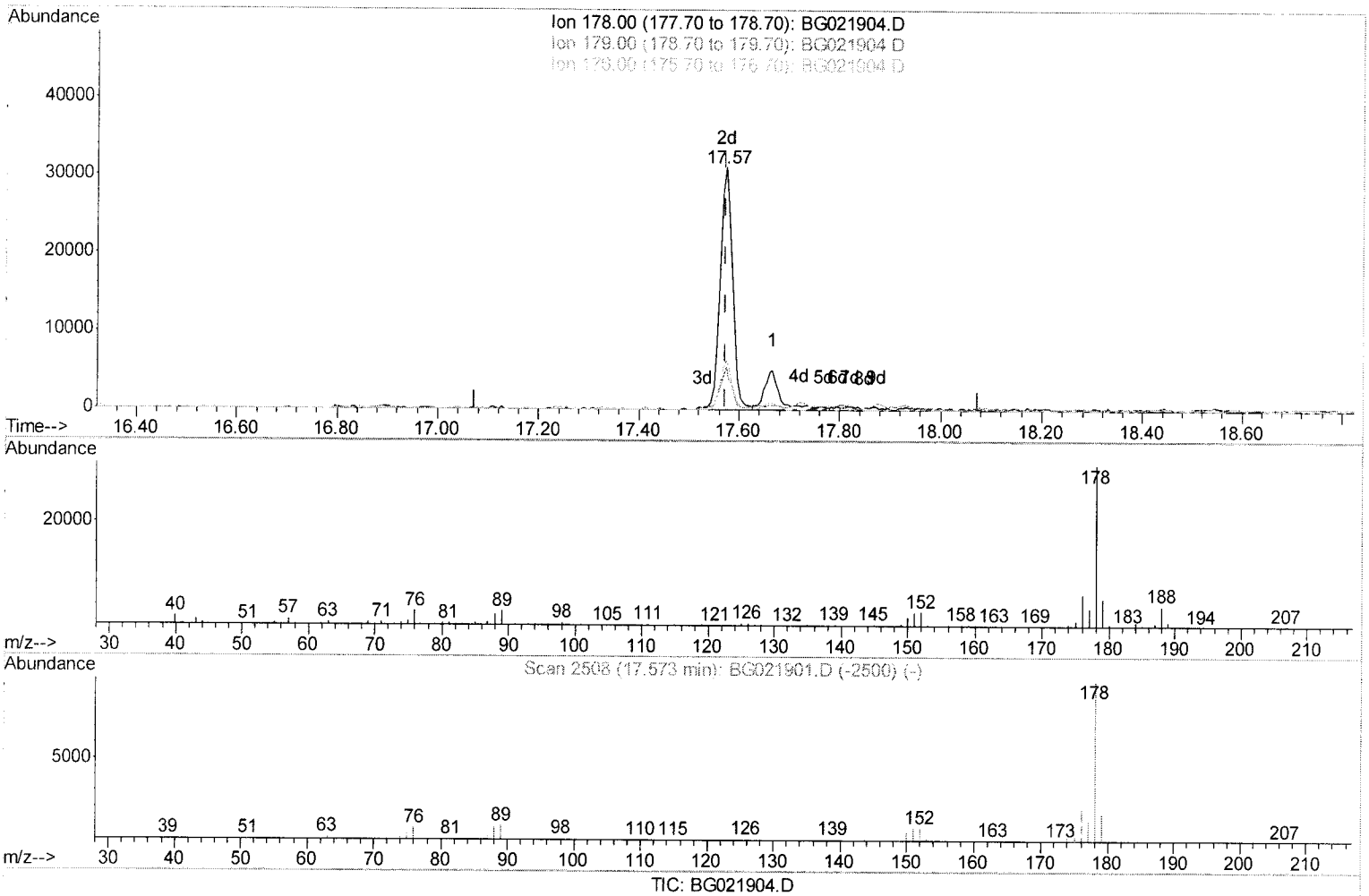
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(70) Phenanthrene

17.573min (-0.001) 1.84ng/ul m > U.M 05/18/16

response 52878

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	17.88#
176.00	18.50	20.47
0.00	0.00	0.00

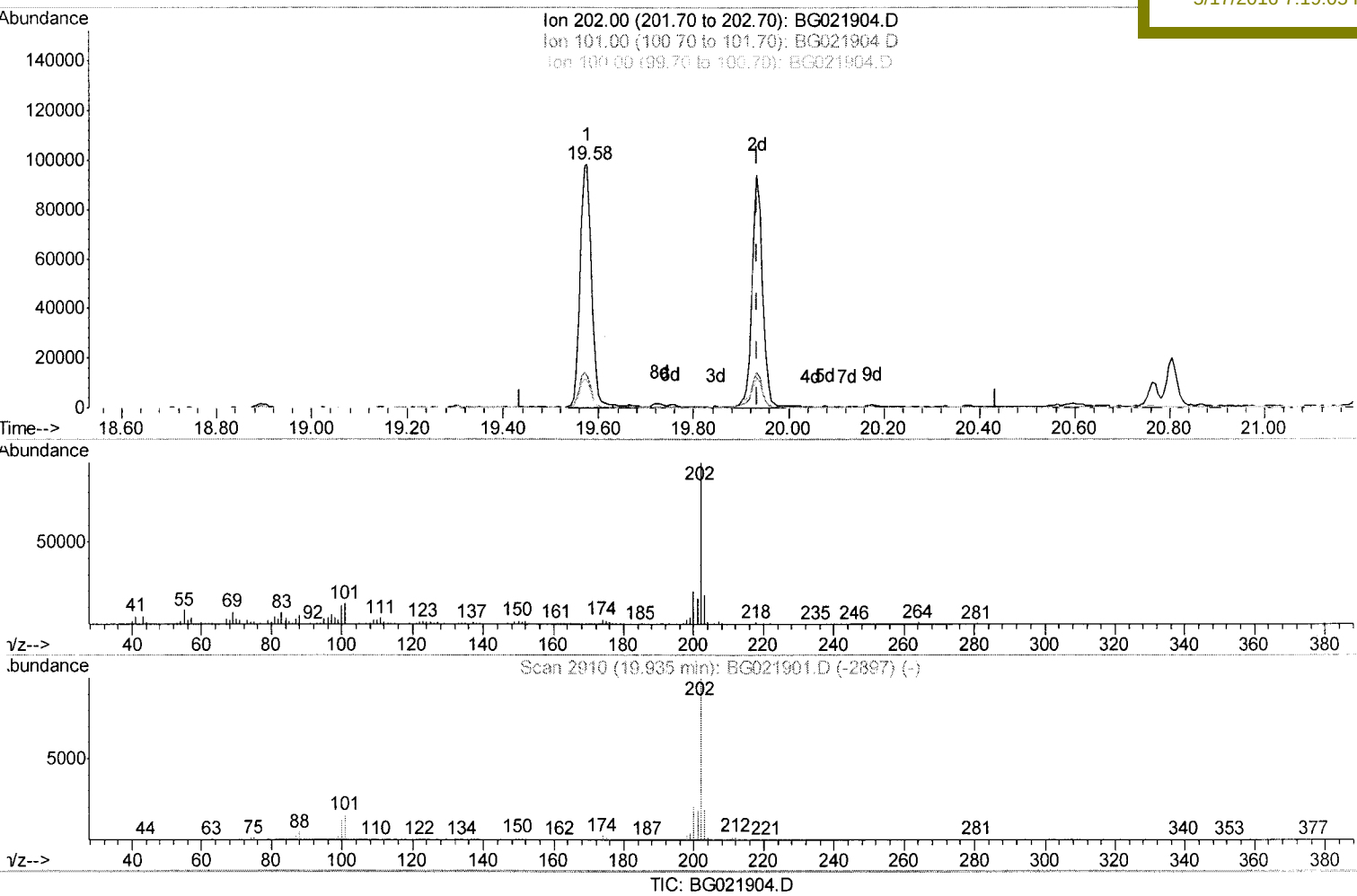
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(78) Pyrene

19.576min (-0.359) 5.33ng/ul

response 164445

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.09
100.00	11.60	11.52
0.00	0.00	0.00

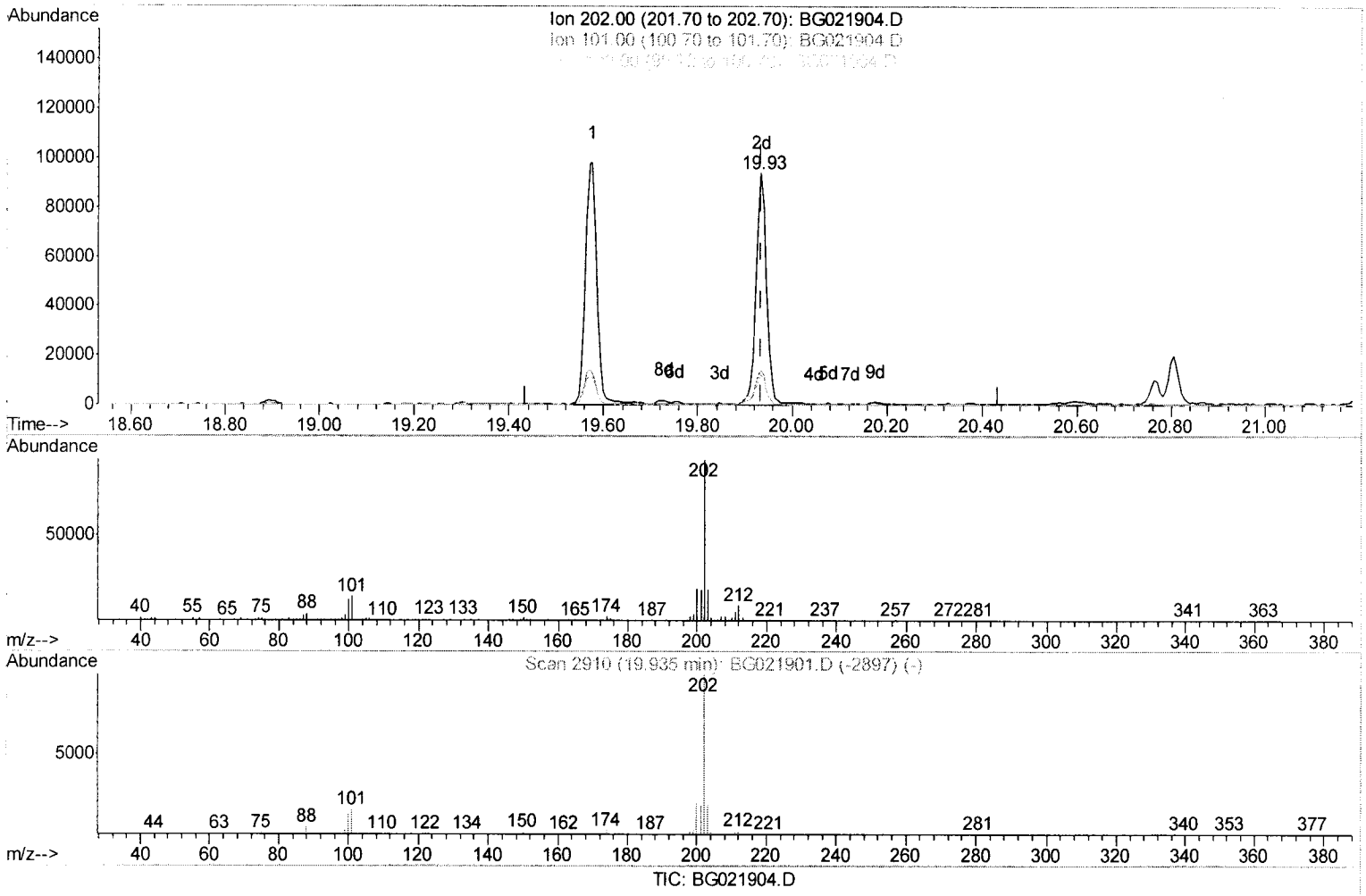
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(78) Pyrene

19.935min (-0.001) 4.84ng/ul m > 0.M 05/18/16

response 149333

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	15.01#
100.00	11.60	13.26
0.00	0.00	0.00

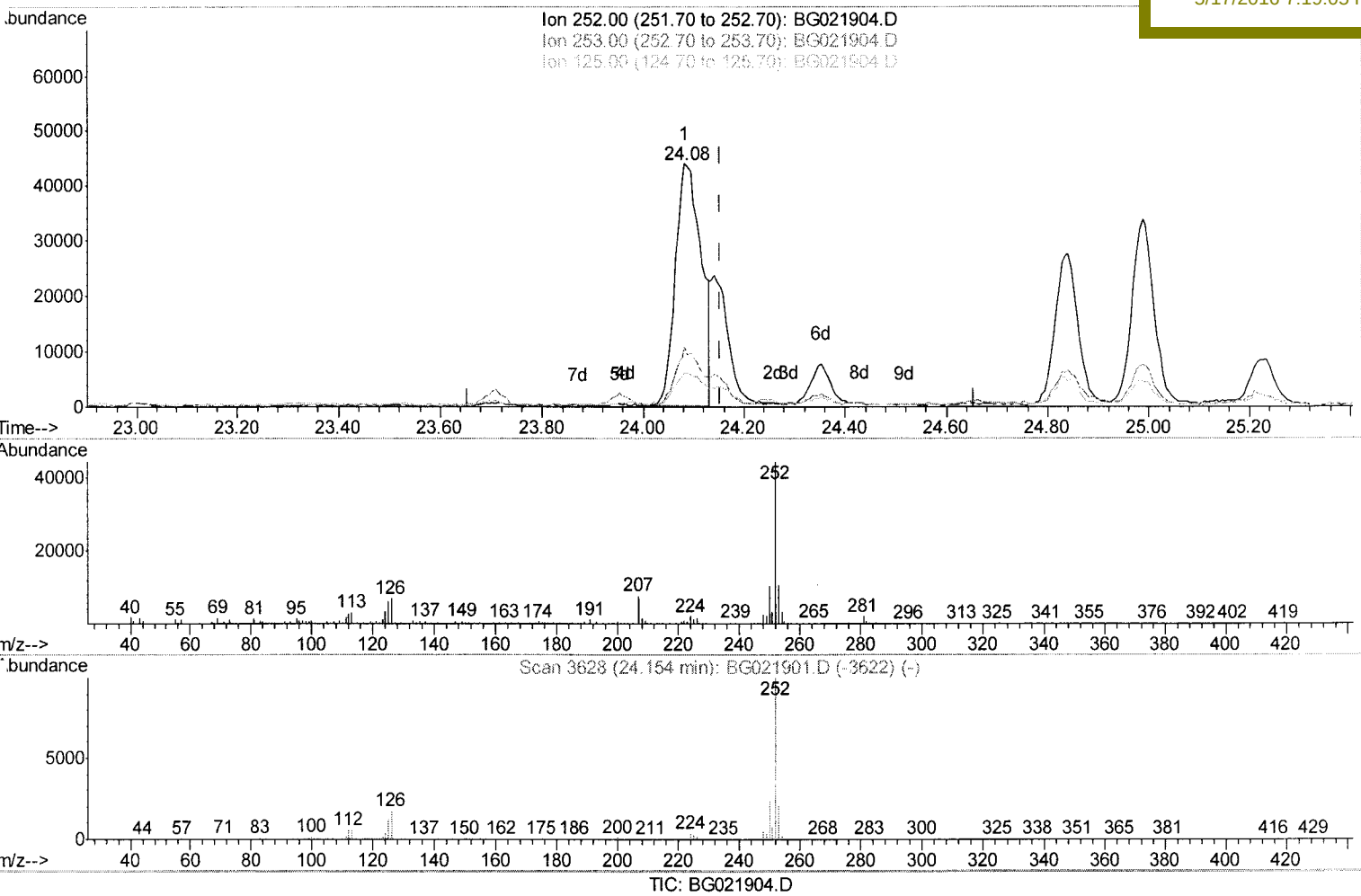
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(87) Benzo(k)fluoranthene

24.083min (-0.071) 4.90ng/ul

response 155395

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	24.34
125.00	9.60	14.02#
0.00	0.00	0.00

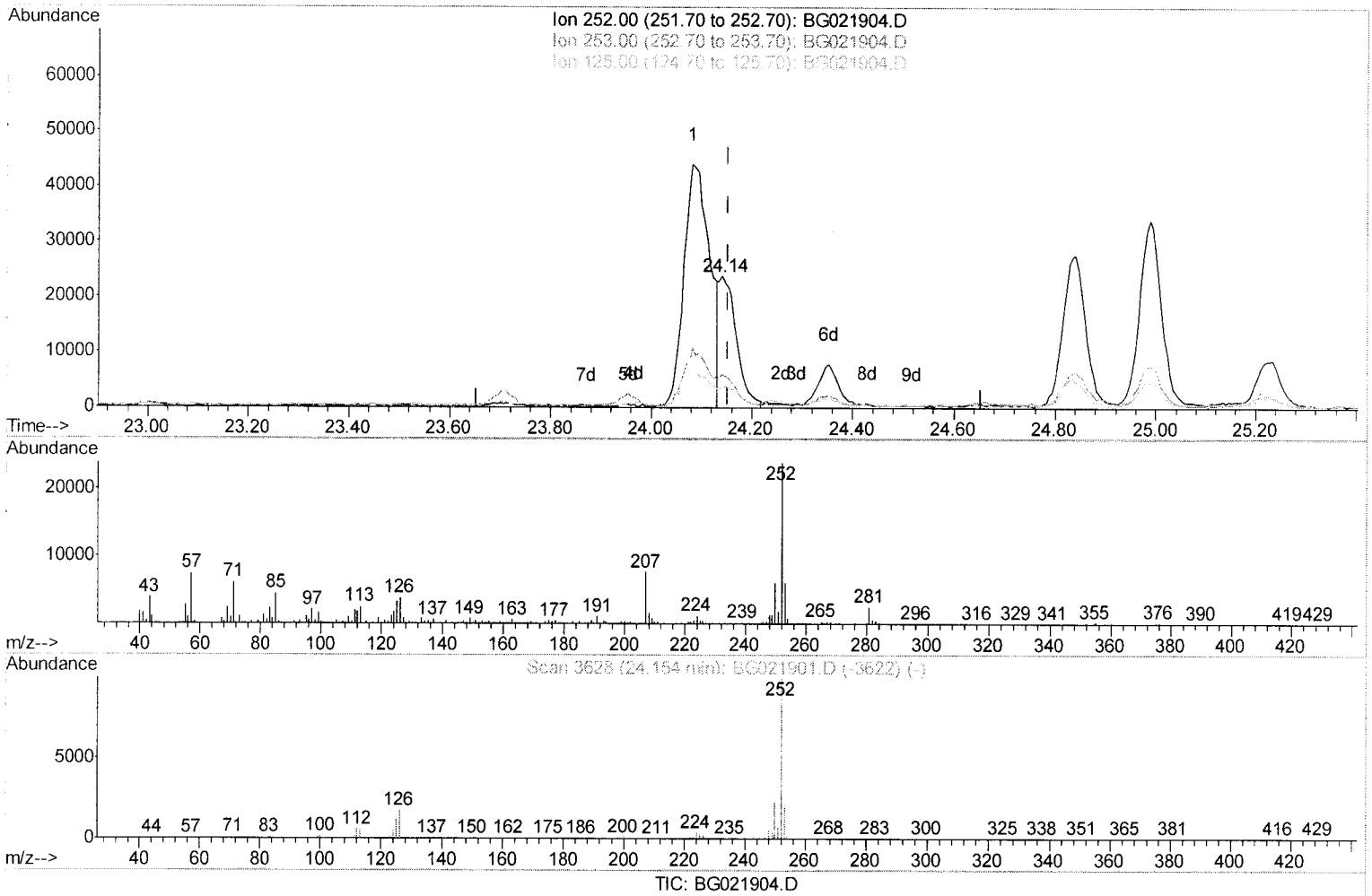
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

(87) Benzo(k)fluoranthene

24.141min (-0.012) 1.82ng/ul m

response 57787

> U.M 05116116

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	25.59
125.00	9.60	14.50#
0.00	0.00	0.00

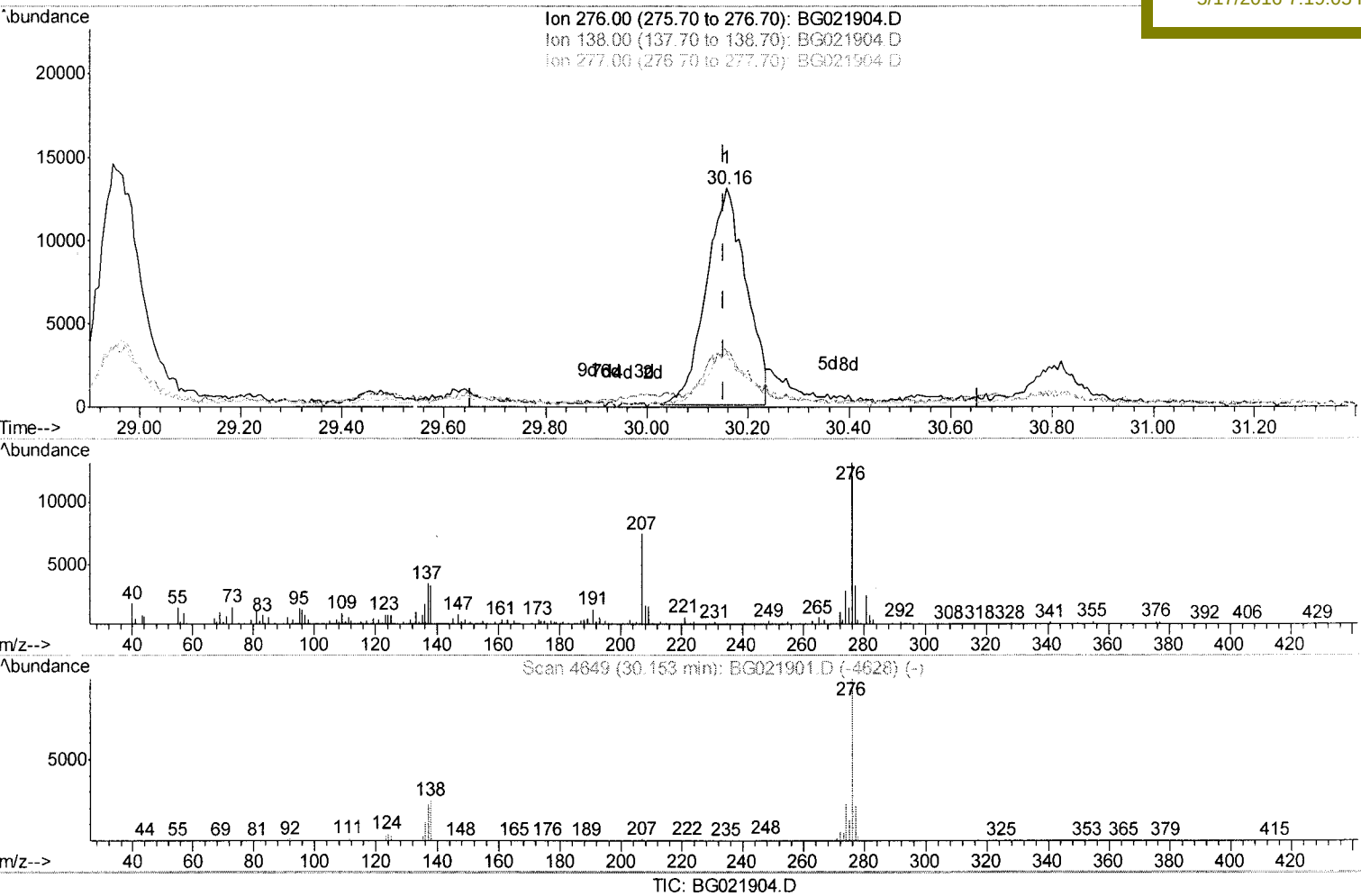
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

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

30.158min (+0.005) 2.46ng/ul

response 71053

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	25.17#
277.00	24.70	24.93
0.00	0.00	0.00

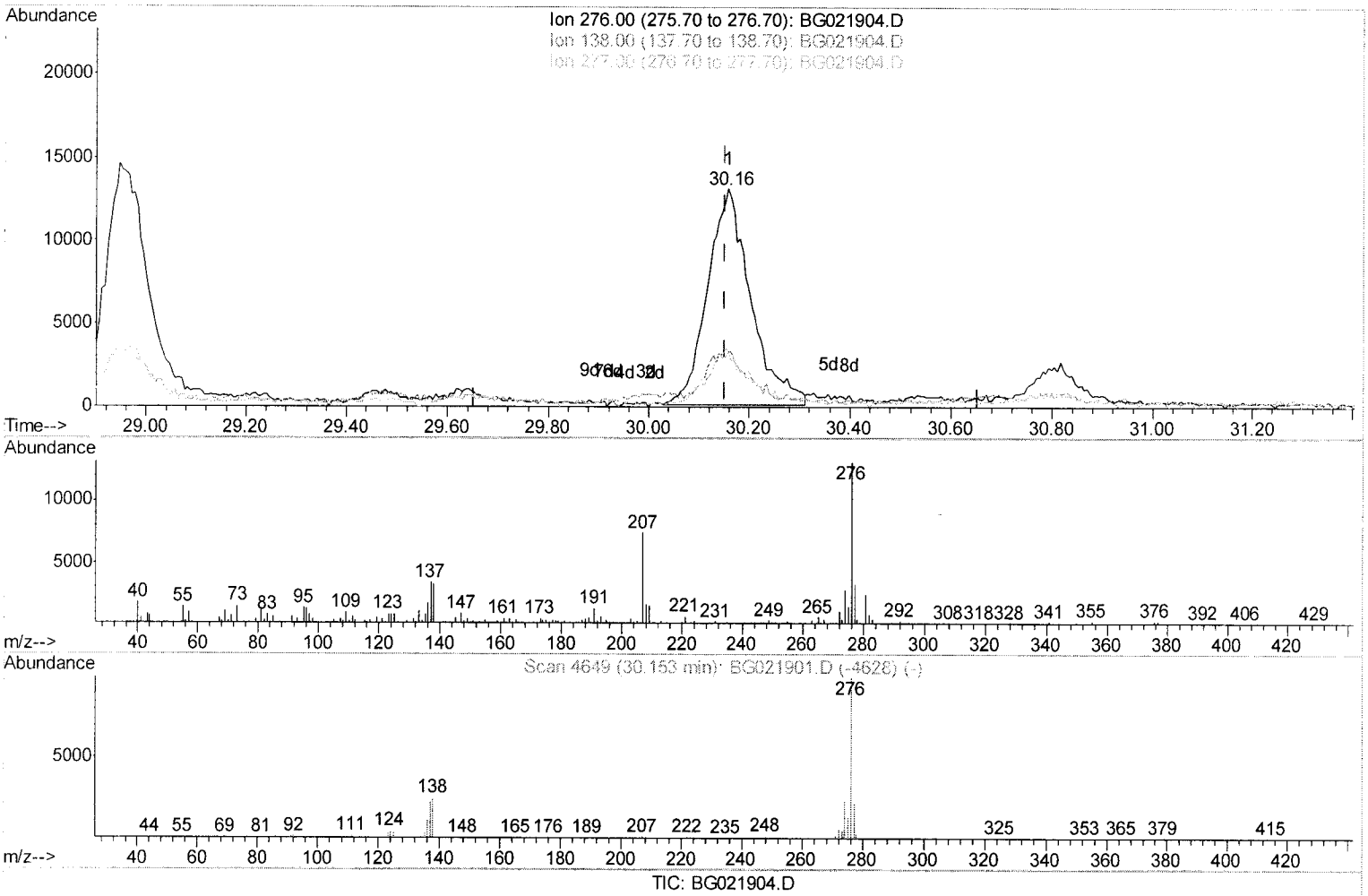
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:32:59 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM



TIC: BG021904.D

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

30.158min (+0.005) 2.68ng/ul m

response 77315

> U.M 05/18/16

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	25.17#
277.00	24.70	24.93
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021904.D
Acq On : 16 May 2016 13:27
Operator : UM/SJ
Sample : H3095-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 17 00:52:09 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 00:31:45 2016
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : D9XE1

Manual Integrations APPROVED
umangi
5/17/2016 7:19:05 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	81237	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	420533	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	251018	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	526244	20.00	ng/ul	0.00
76) Chrysene-d12	21.81	240	533335	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	517894	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.54	96	4359	2.59	ng/uL	0.00
5) Phenol-d5	7.31	99	96926	16.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	44590	14.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	92690	19.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	79313	15.66	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	47765	17.28	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	50854	29.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	96508	19.54	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	58725m	11.04	ng/ul	0.00
44) Dimethylphthalate-d6	14.18	166	321273	18.22	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	429560	17.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	25919m	8.58	ng/ul	0.01
58) Fluorene-d10	15.77	176	299120	16.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	34422	23.61	ng/ul	0.00
71) Anthracene-d10	17.63	188	422224	16.48	ng/ul	0.00
77) Pyrene-d10	19.91	212	452536	18.13	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	416508	16.93	ng/ul	0.00
Target Compounds						Qvalue
45) Dimethylphthalate	14.23	163	169546	9.44	ng/ul	98
69) Pentachlorophenol	17.18	266	4168m	1.72	ng/ul	
70) Phenanthrene	17.57	178	52878m	1.84	ng/ul	
75) Fluoranthene	19.58	202	164445	5.03	ng/ul#	94
78) Pyrene	19.93	202	149333m	4.84	ng/ul	
81) Benzo(a)anthracene	21.80	228	93782	3.16	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.68	149	242473	21.78	ng/ul	94
83) Chrysene	21.86	228	98207	3.35	ng/ul	95
86) Benzo(b)fluoranthene	24.08	252	155395	5.24	ng/ul#	94
87) Benzo(k)fluoranthene	24.14	252	57787m	1.82	ng/ul	
89) Benzo(a)pyrene	24.99	252	100276	3.40	ng/ul#	96
90) Indeno(1,2,3-cd)pyrene	28.95	276	77912	2.23	ng/ul#	95
92) Benzo(g,h,i)perylene	30.16	276	77315m	2.68	ng/ul	

U.M 05/18/16

U.M 05/18/16

U.M 05/18/16

U.M 05/18/16

U.M 05/18/16

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