

(QT Reviewed)

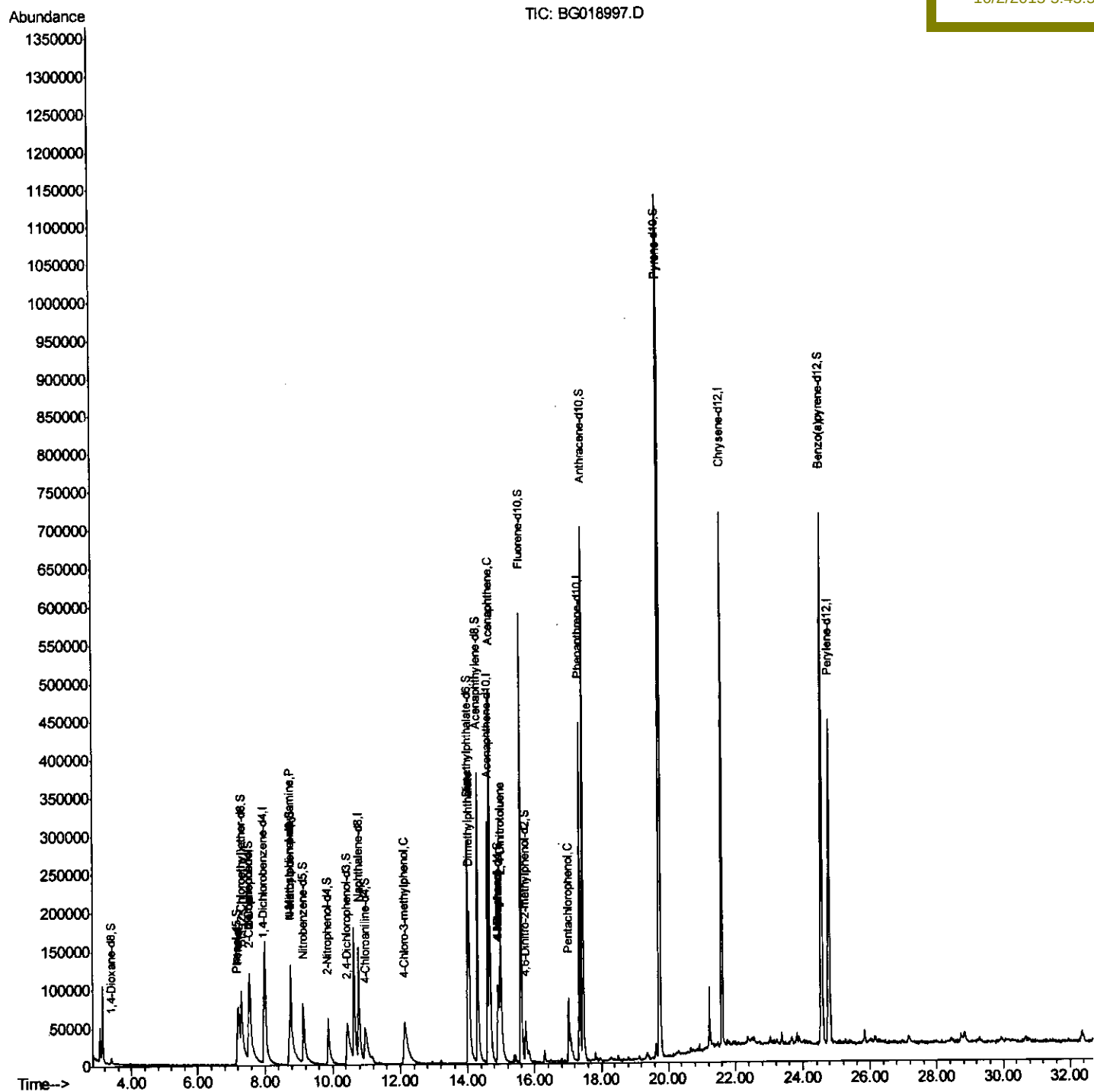
```
Data Path   : Z:\HPCHEM1\BNA_G\Data\BG100215\  
Data File  : BG018997.D  
Acq On     : 2 Oct 2015    2:28  
Operator   : UM/NP  
Sample     : G3865-06MSD  
Misc       :  
ALS Vial   : 16    Sample Multiplier: 1
```

Instrument :
BNA_G
ClientSampleId :
E5MY3MSD

Quant Time: Oct 02 13:45:58 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 02 11:51:49 2015
Response via : Initial Calibration

Manual Integrations APPROVED

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10/2/2015 5:45:51 PM



Quantitation Report (Qedit)

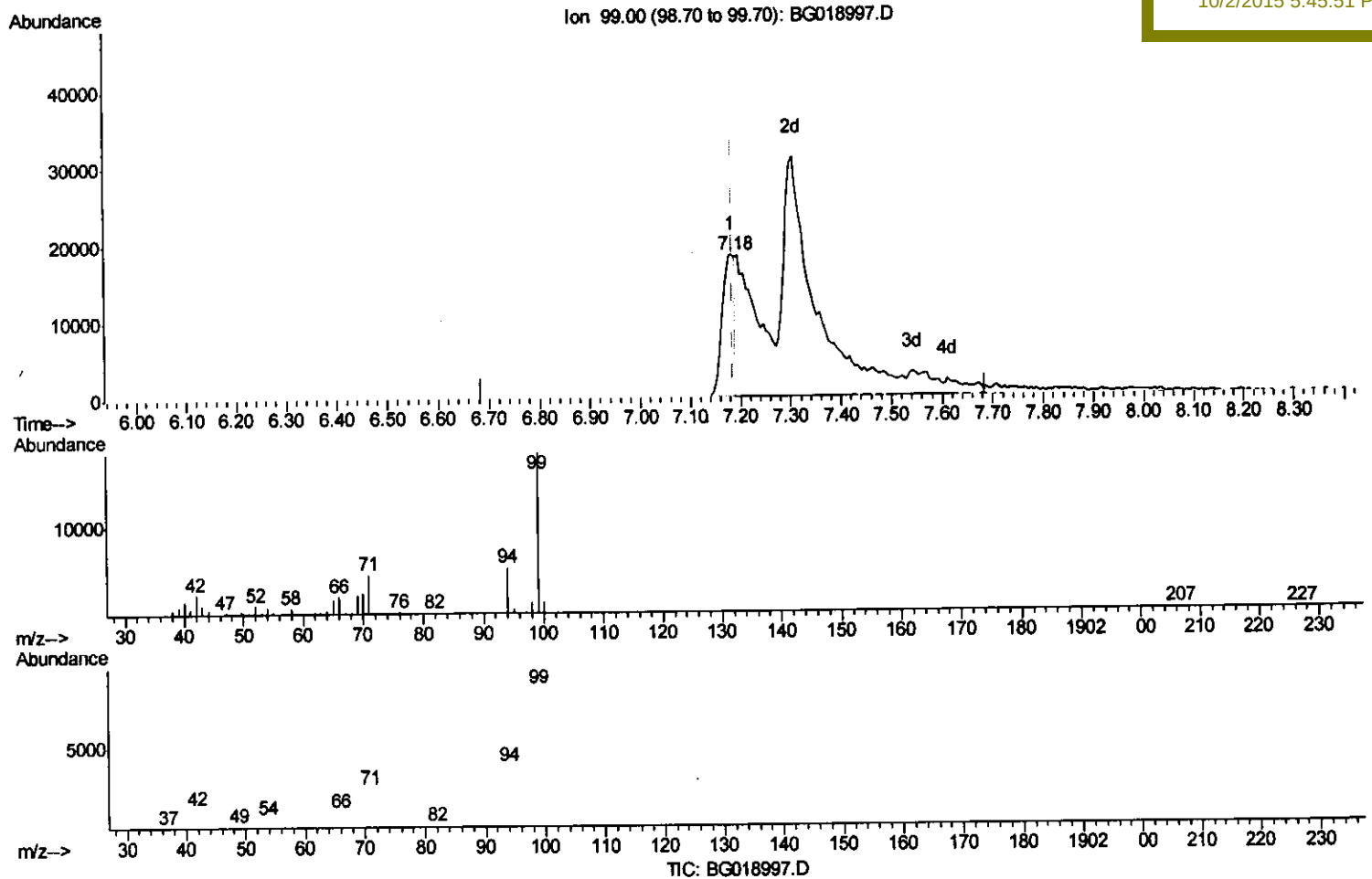
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
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(5) Phenol-d5 (S)

7.182min (-0.003) 7.42ng/ul

response 31227

Ion	Exp%	Act%
99.00	100	100
71.00	32.70	24.72#
42.00	21.00	12.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

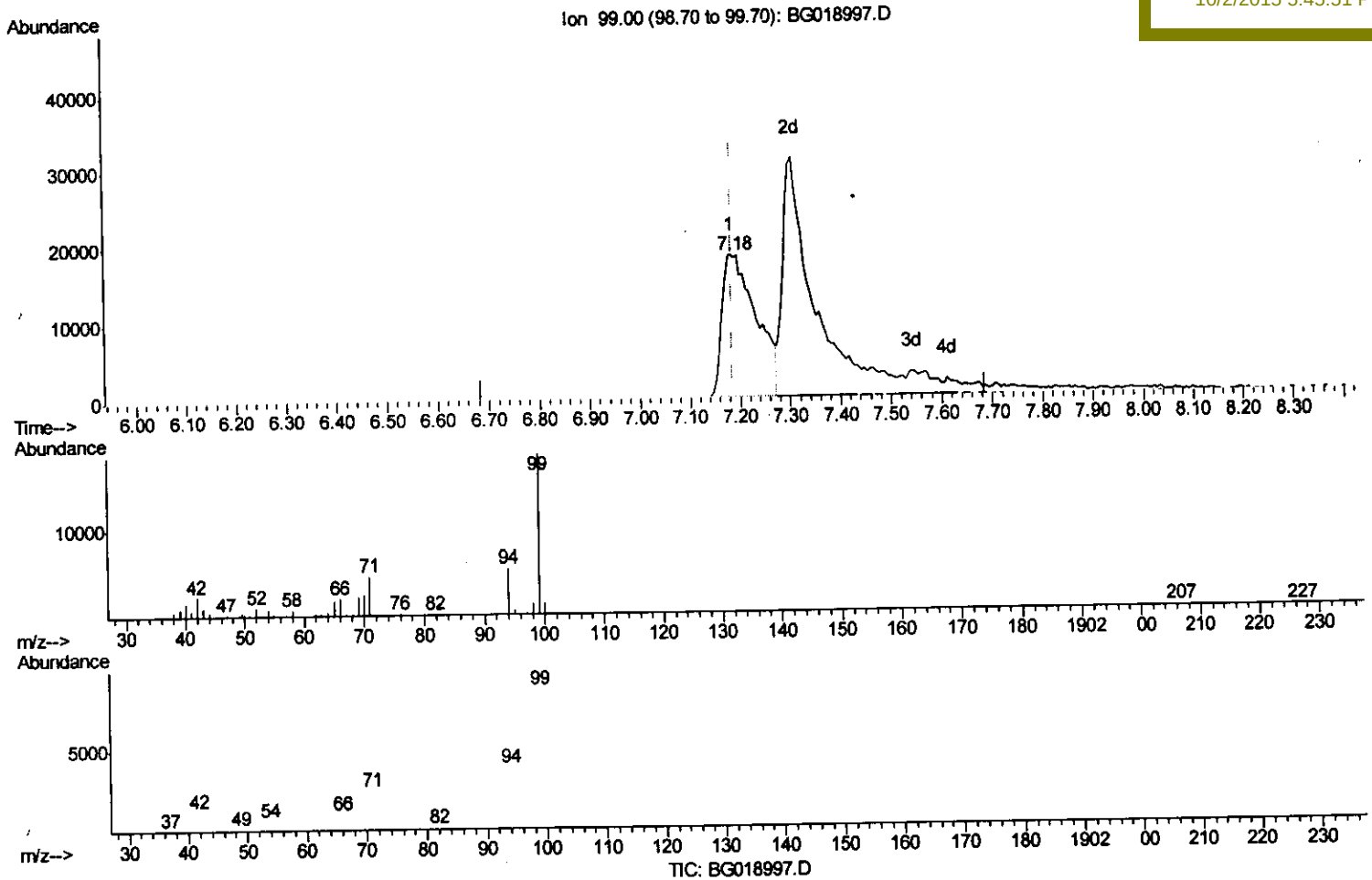
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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 10/2/2015 5:45:51 PM



(5) Phenol-d5 (S)

7.182min (-0.003) 20.82ng/ul m

response 87650

> $\frac{U.M}{1015115}$

Ion	Exp%	Act%
99.00	100	100
71.00	32.70	24.72#
42.00	21.00	12.88#
0.00	0.00	0.00

Quantitation Report (Qedit)

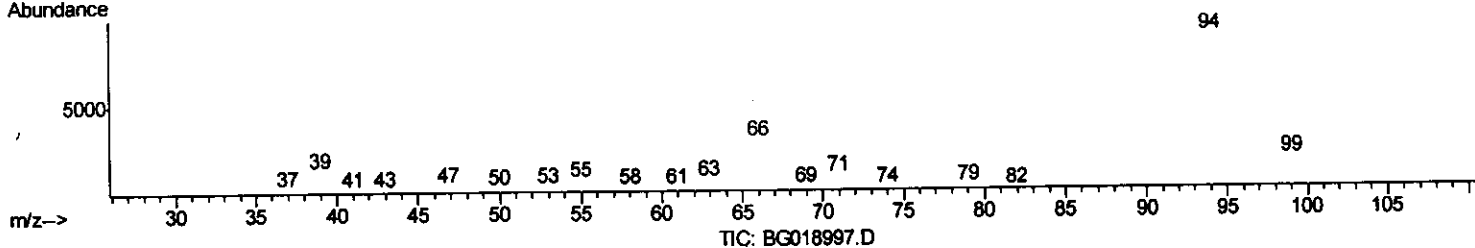
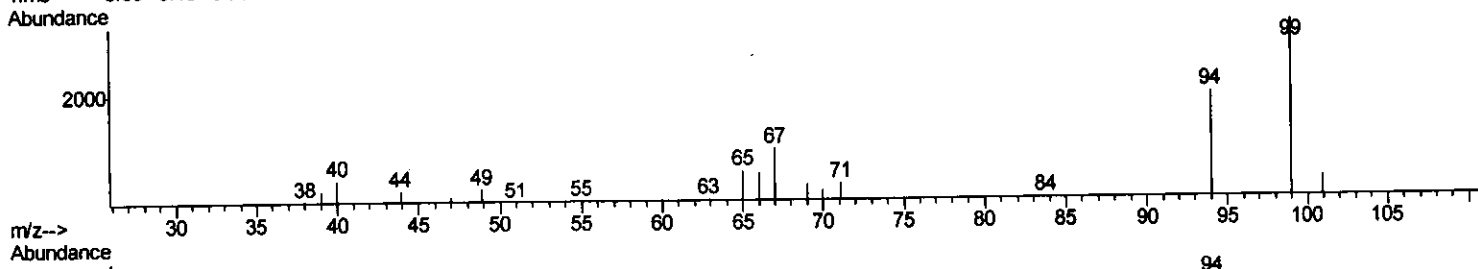
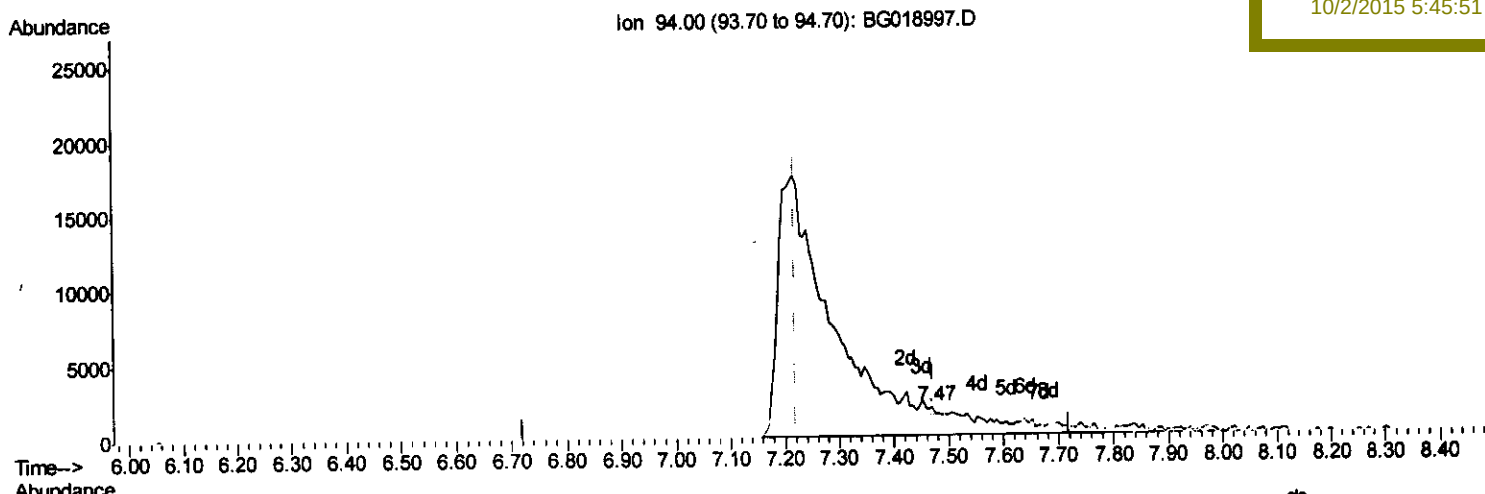
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Manual Integrations
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 10/2/2015 5:45:51 PM

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration



(6) Phenol

7.469min (+0.249) 0.07ng/ul

response 314

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	33.63
66.00	38.70	31.56
0.00	0.00	0.00

Quantitation Report (Qedit)

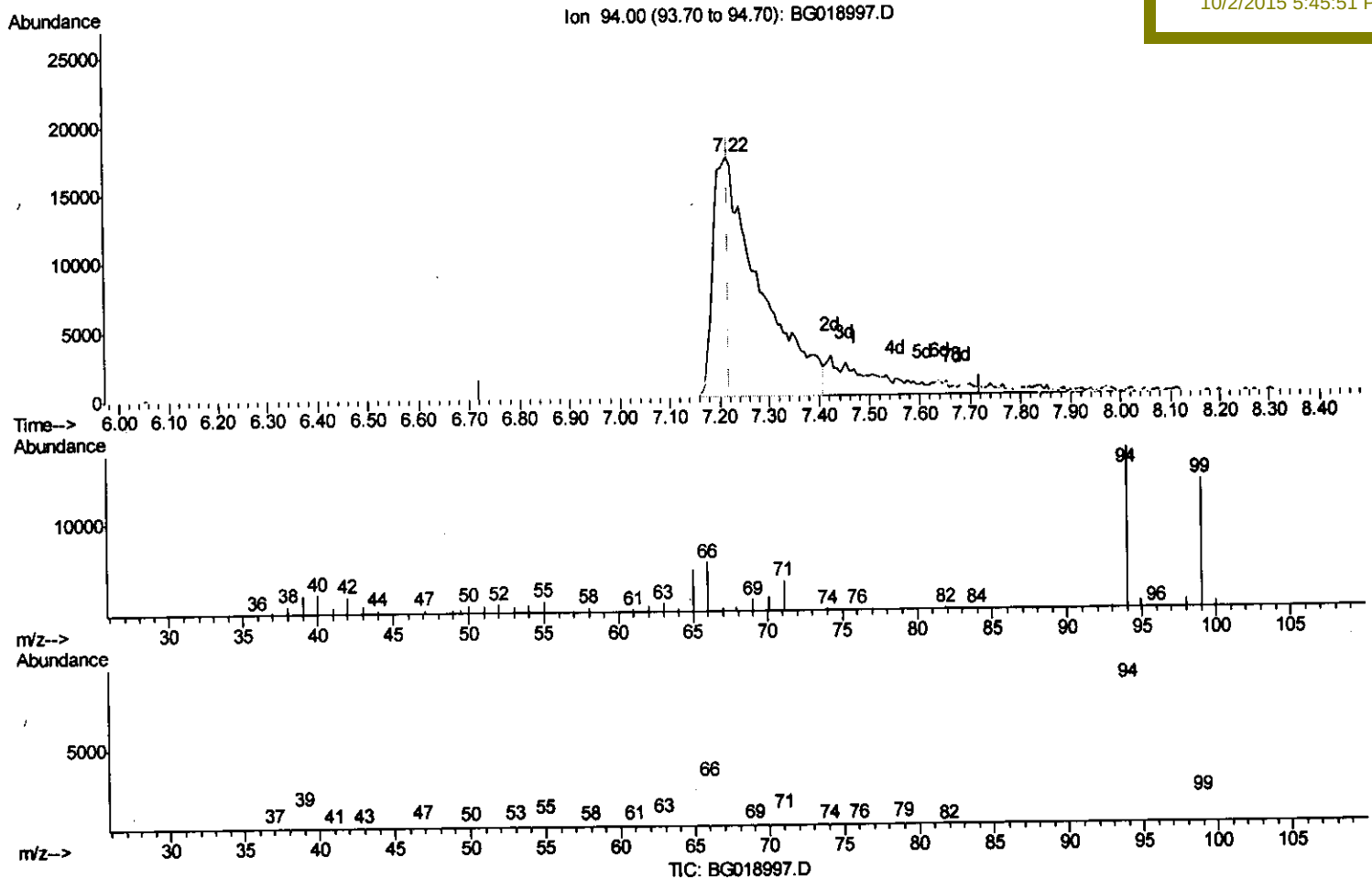
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
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Manual Integrations
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(6) Phenol

7.217min (-0.003) 25.66ng/ul m

response 111723

> $\frac{U.M}{1015115}$

Ion	Exp%	Act%
94.00	100	100
65.00	28.80	26.95
66.00	38.70	31.25
0.00	0.00	0.00

Quantitation Report (Qedit)

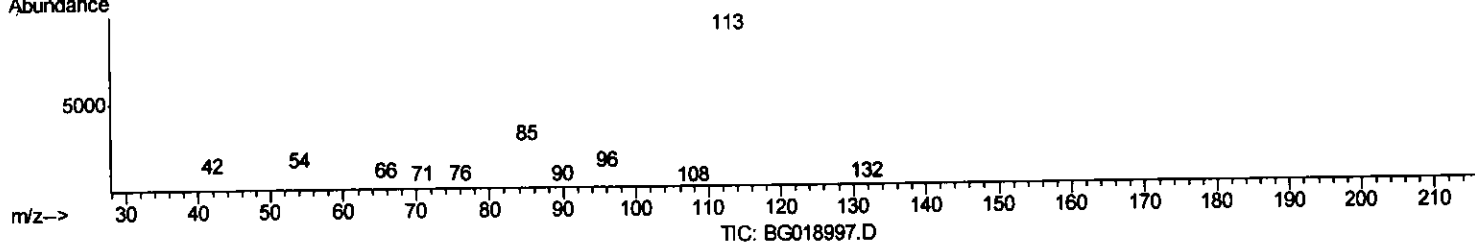
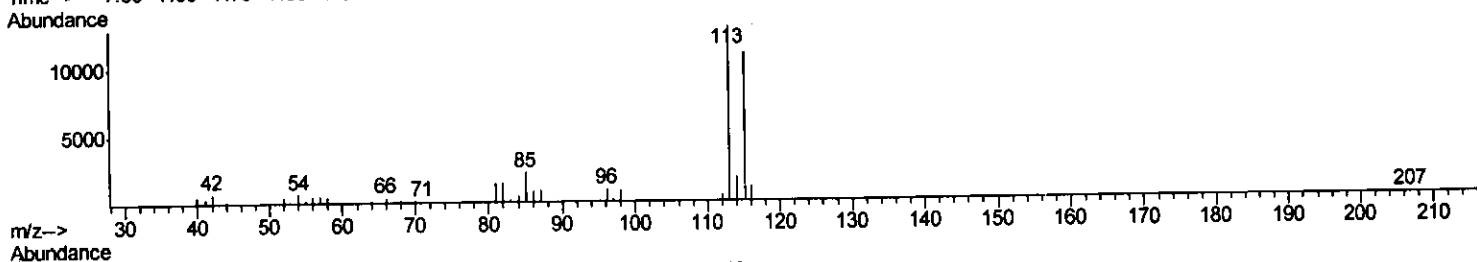
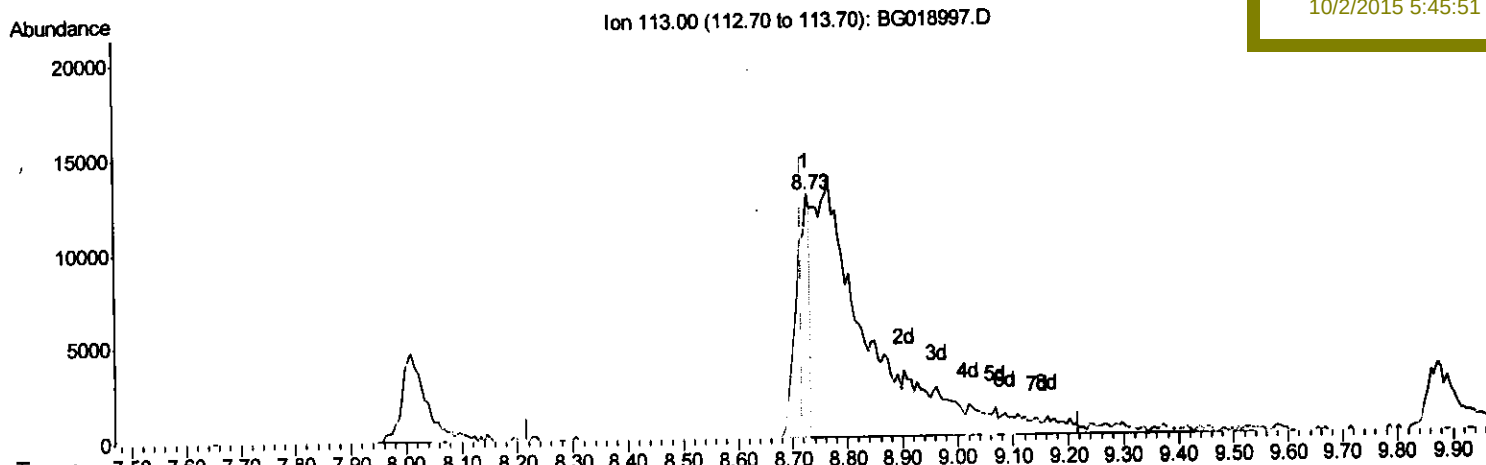
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Manual Integrations
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(13) 4-Methylphenol-d8 (S)

8.727min (+0.008) 6.66ng/ui

response 22746

Ion	Exp%	Act%
113.00	100	100
115.00	92.60	84.34
54.00	13.60	6.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

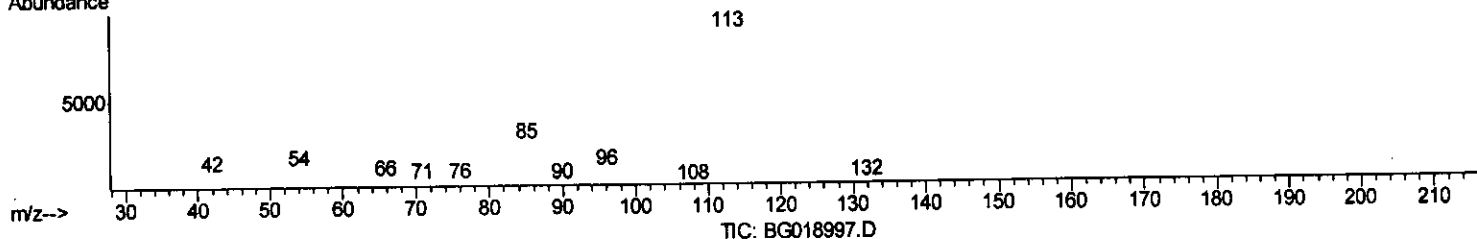
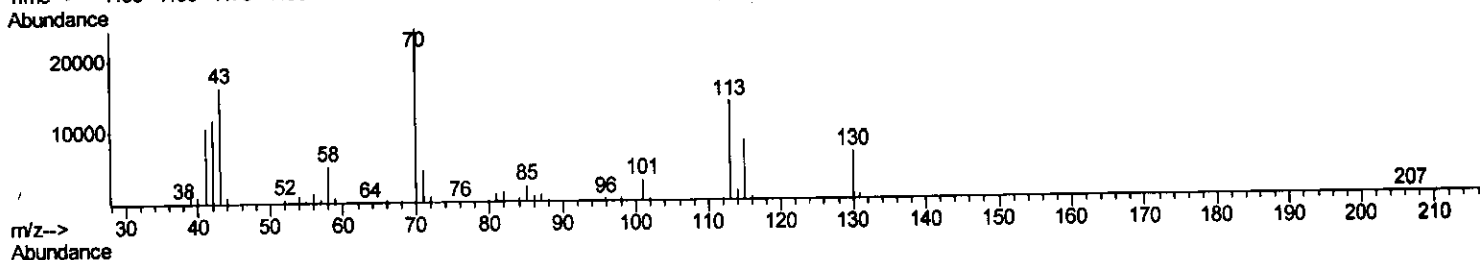
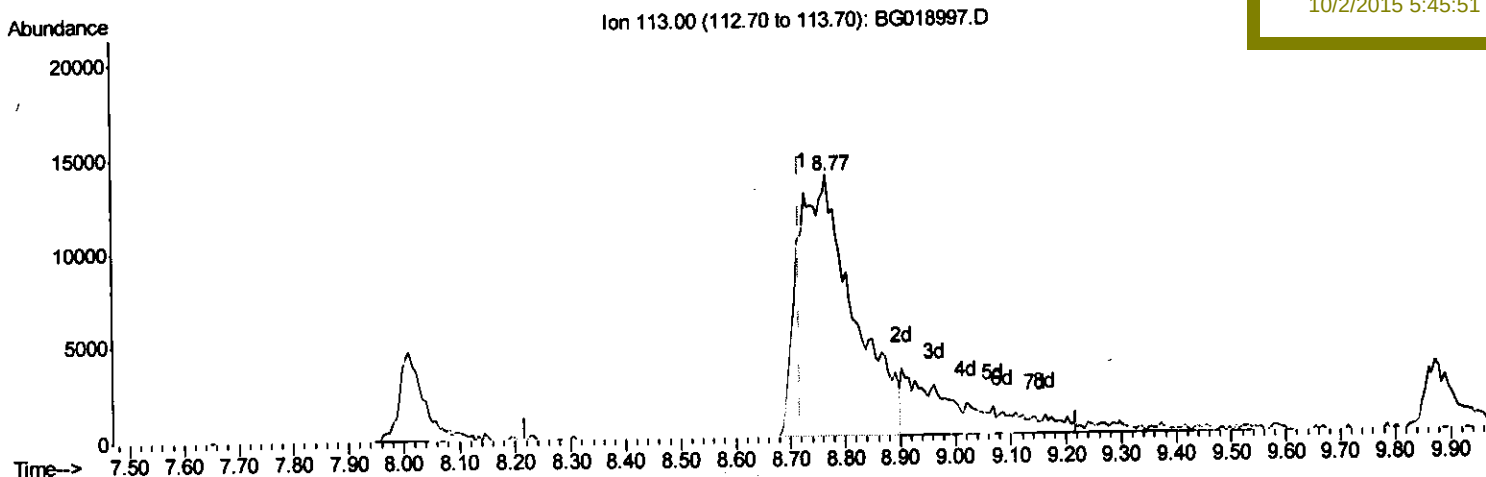
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
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(13) 4-Methylphenol-d8 (S)

8.768min (+0.049) 28.13ng/ul m

response 96078

Ion	Exp%	Act%
113.00	100	100
115.00	92.60	60.76#
54.00	13.60	8.39#
0.00	0.00	0.00

U.M
 1015115

Quantitation Report (Qedit)

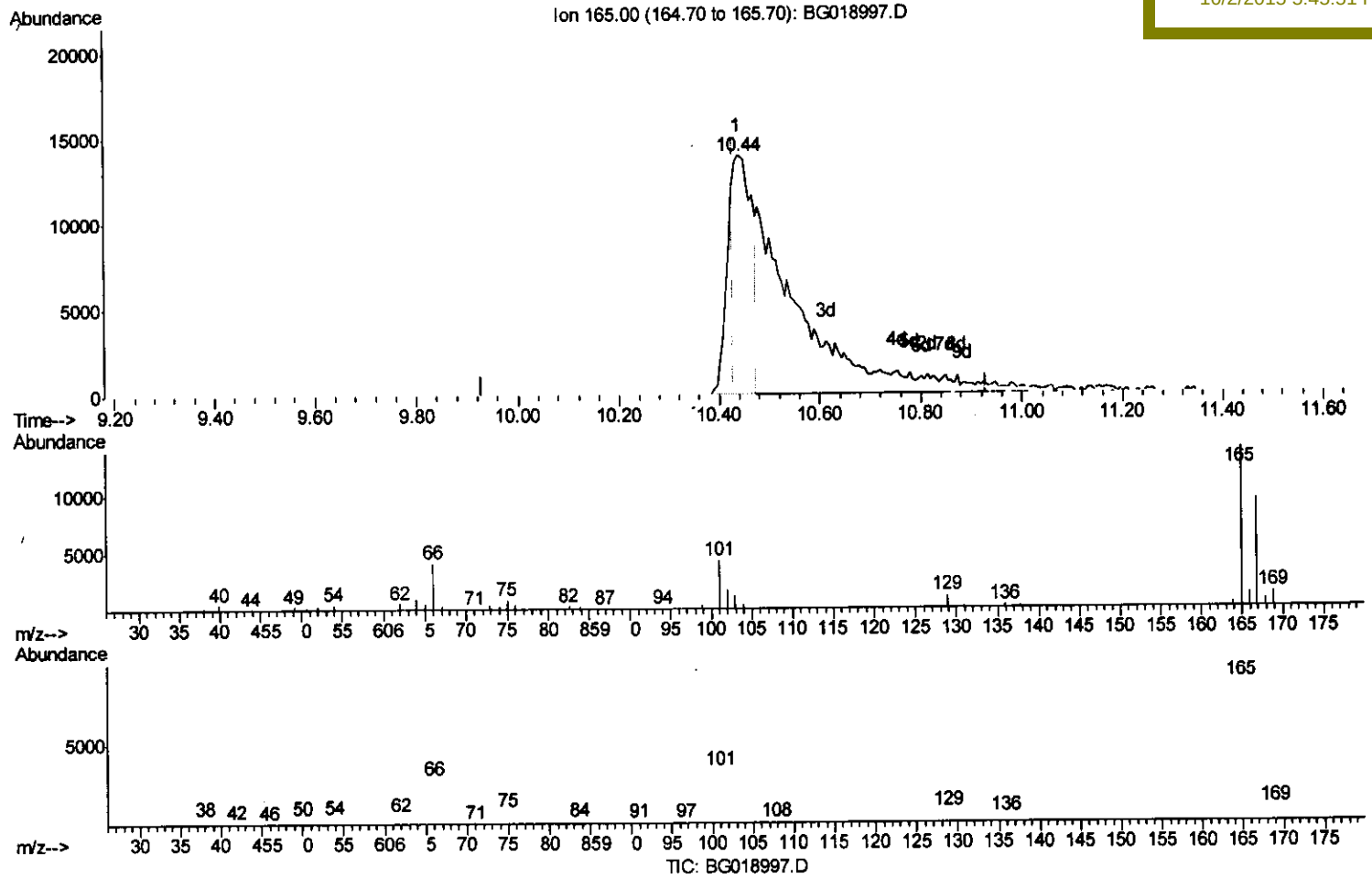
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
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(26) 2,4-Dichlorophenol-d3 (S)

10.437min (+0.008) 13.30ng/ul

response 46707

Ion	Exp%	Act%
165.00	100	100
167.00	61.90	68.13
101.00	34.70	31.25
0.00	0.00	0.00

Quantitation Report (Qedit)

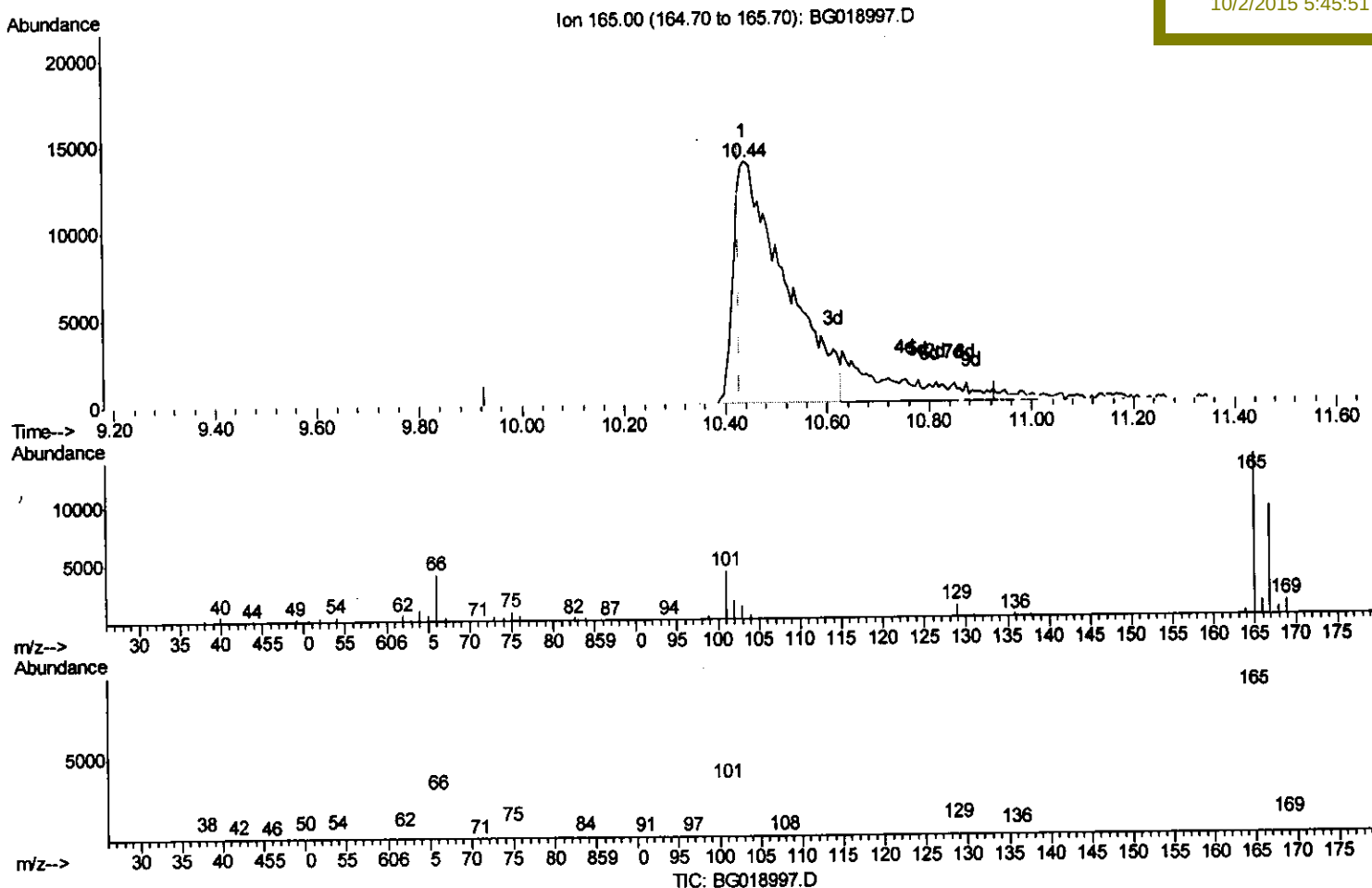
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
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(26) 2,4-Dichlorophenol-d3 (S)

10.437min (+0.008) 27.95ng/ul m

response 98144

Ion	Exp%	Act%
165.00	100	100
167.00	61.90	68.13
101.00	34.70	31.25
0.00	0.00	0.00

> 0.1M
 1015115

Quantitation Report (Qedit)

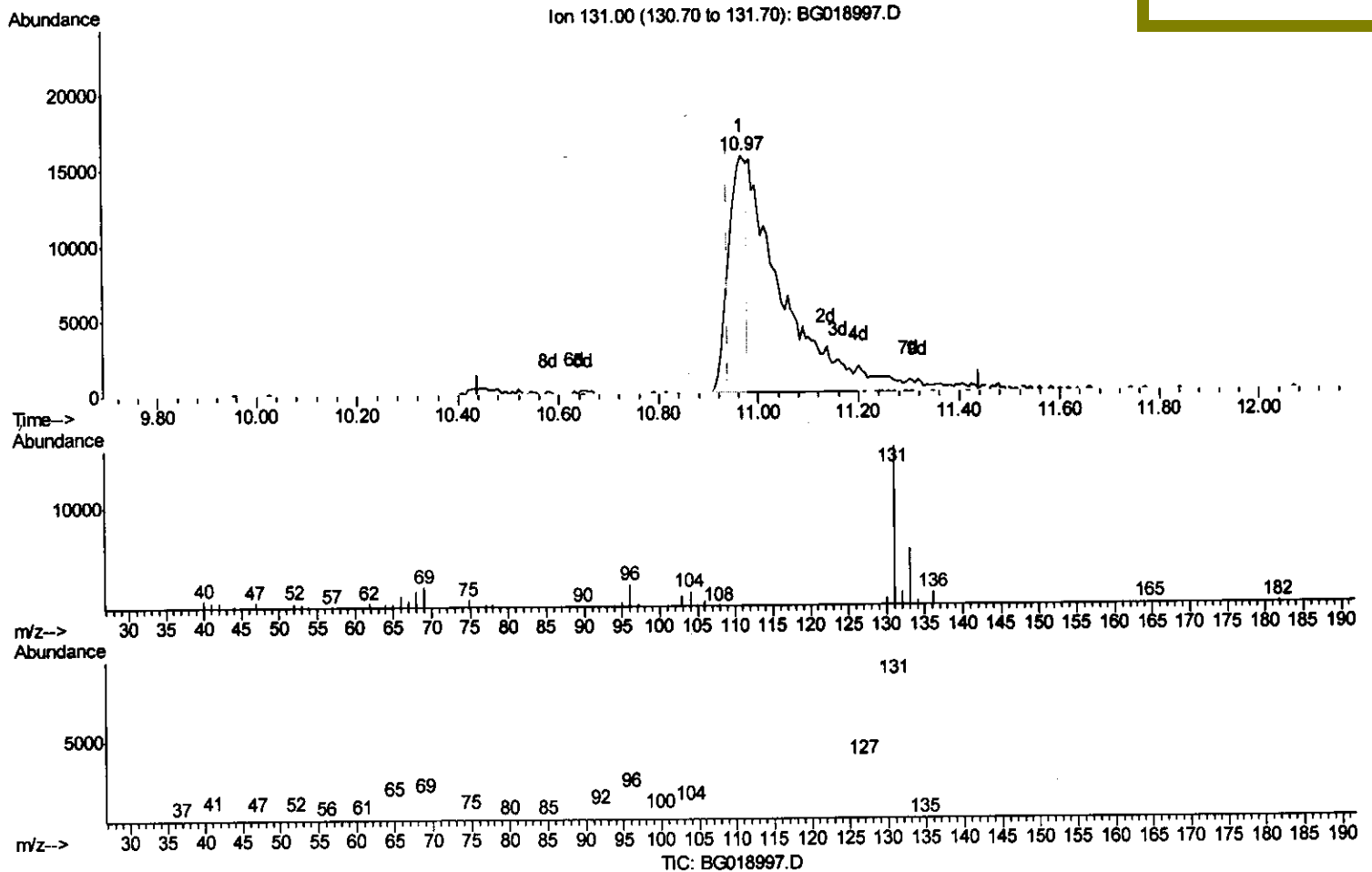
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
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(29) 4-Chloroaniline-d4 (S)

10.965min (+0.026) 9.64ng/ul

response 39377

Ion	Exp%	Act%
131.00	100	100
133.00	32.00	36.22
69.00	18.90	13.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

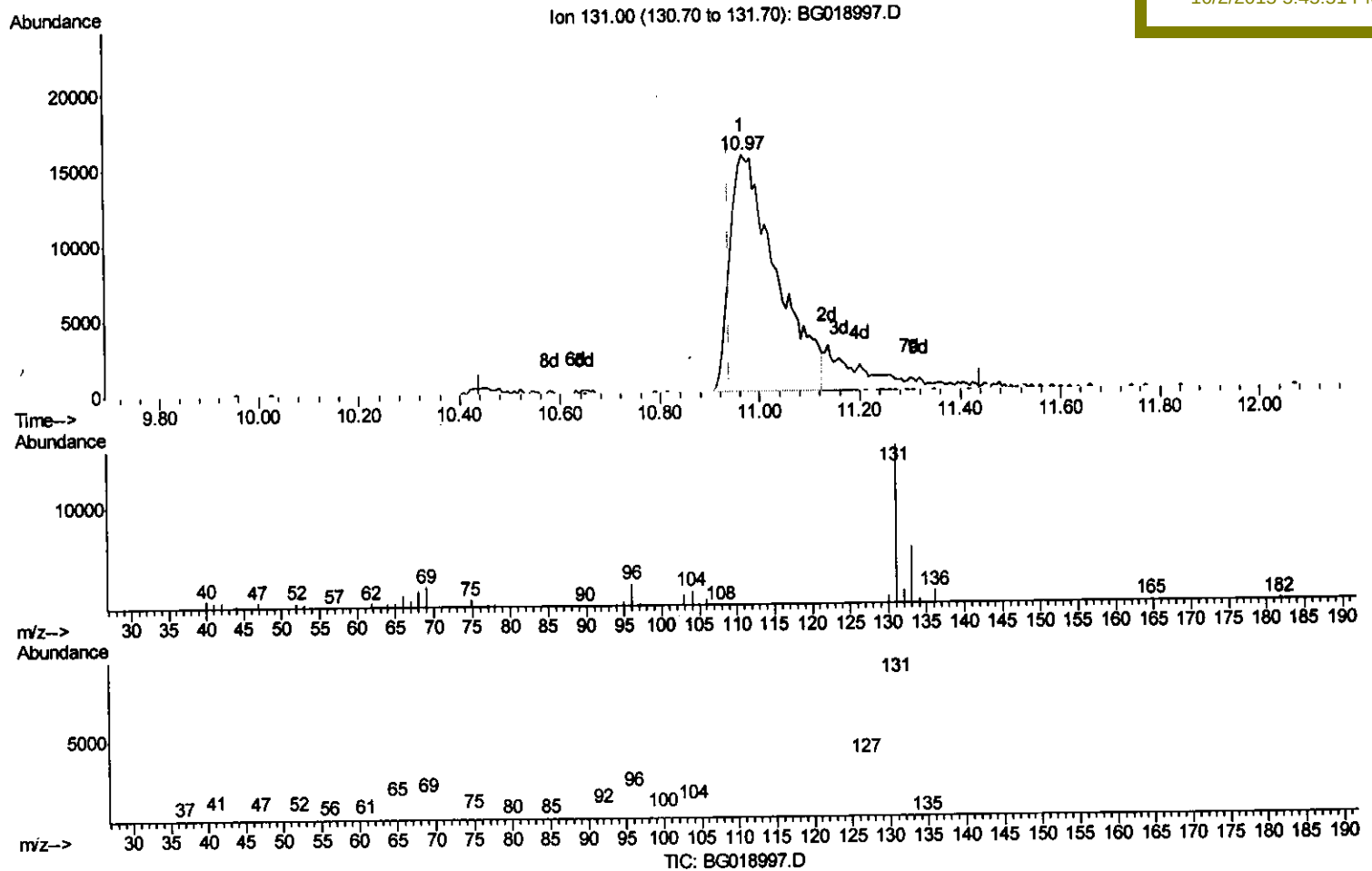
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(29) 4-Chloroaniline-d4 (S)

10.965min (+0.026) 24.94ng/ul m

response 101877

Ion	Exp%	Act%
131.00	100	100
133.00	32.00	36.22
69.00	18.90	13.81#
0.00	0.00	0.00

> 0.1m
 1015115

Quantitation Report (Qedit)

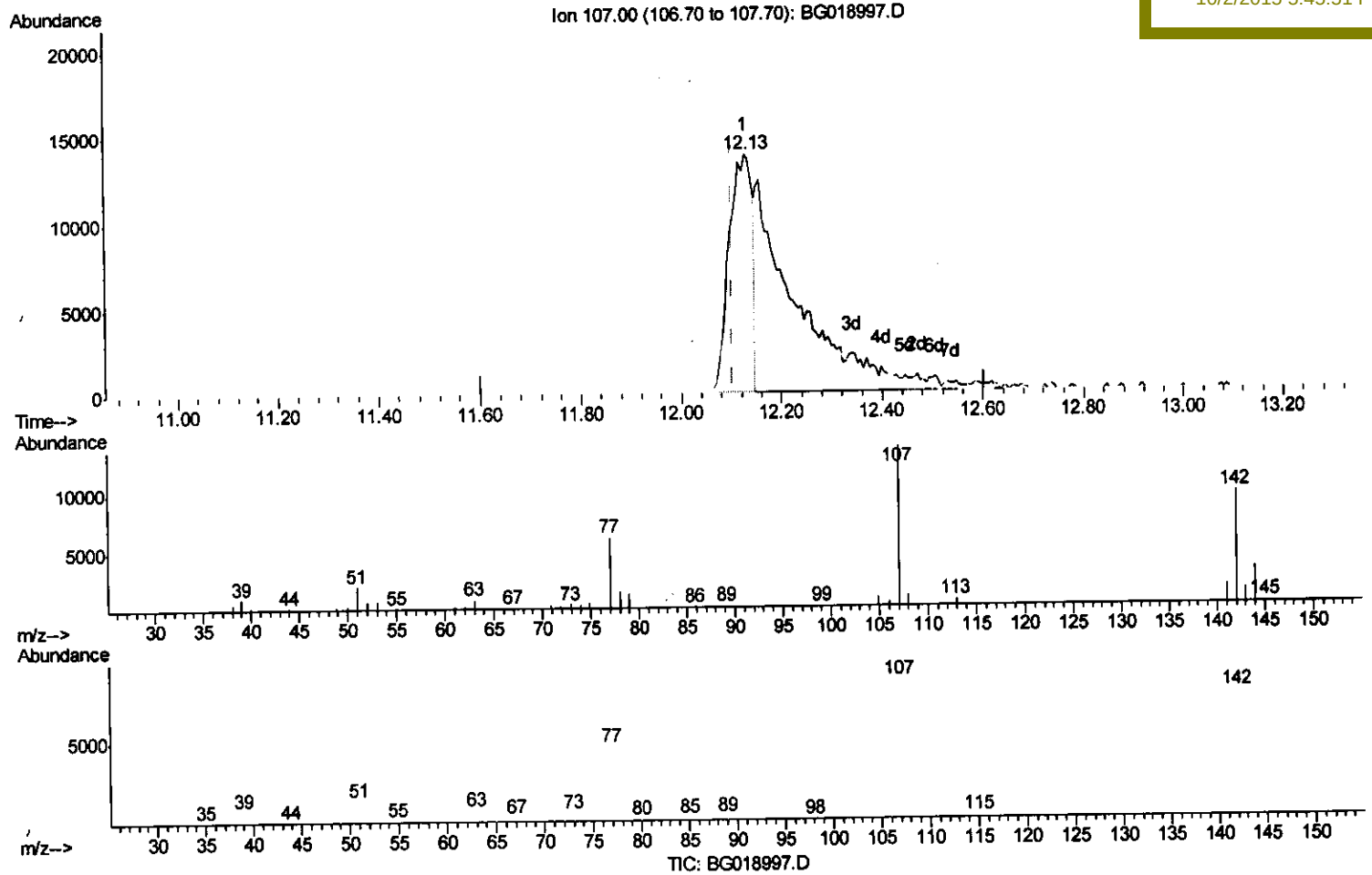
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
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(33) 4-Chloro-3-methylphenol (C)

12.129min (+0.026) 11.93ng/ul

response 44671

Ion	Exp%	Act%
107.00	100	100
144.00	26.80	23.54
142.00	82.50	69.94
0.00	0.00	0.00

Quantitation Report (Qedit)

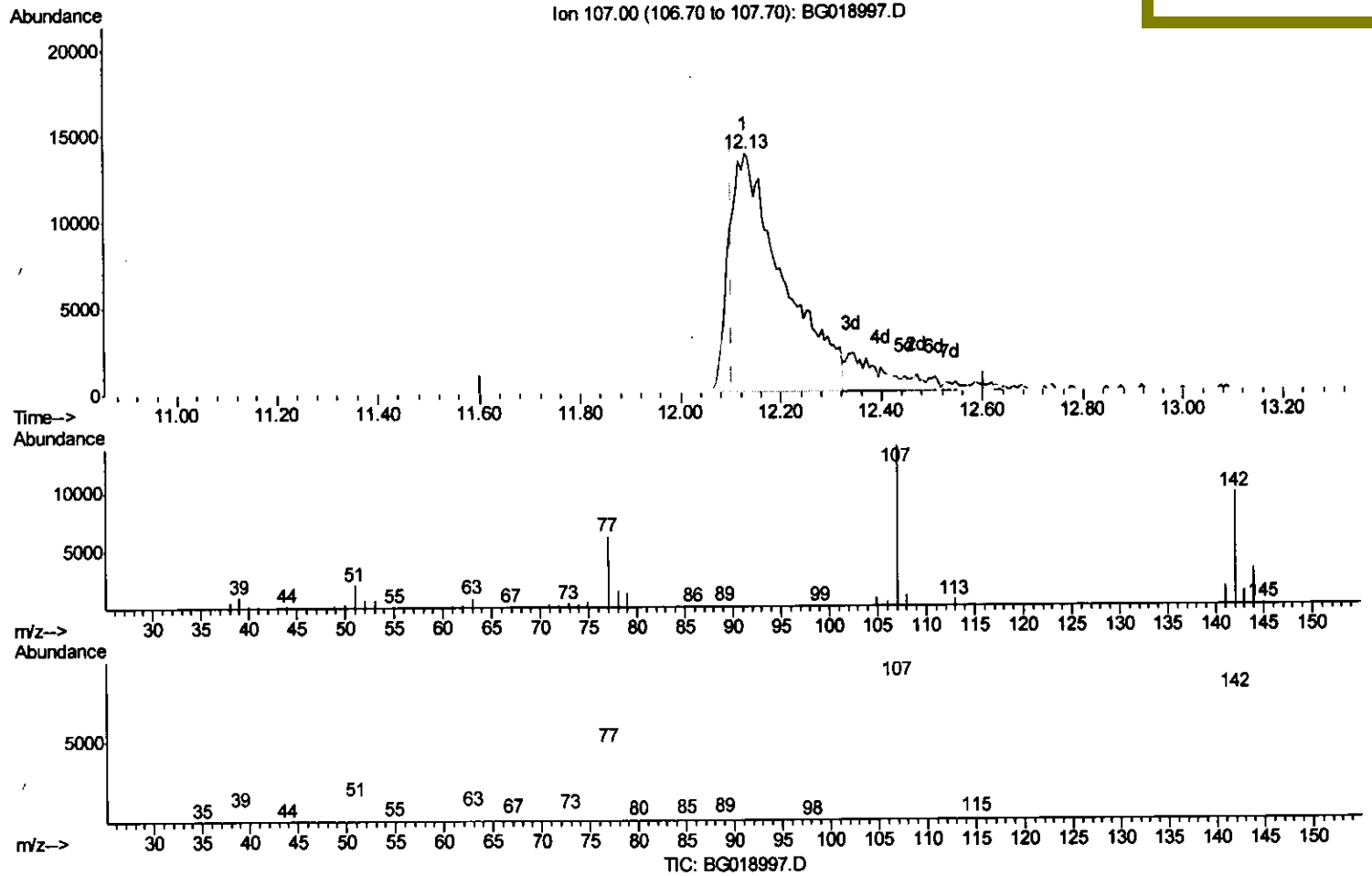
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
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(33) 4-Chloro-3-methylphenol (C)

12.129min (+0.026) 27.64ng/ul m

response 103529

Ion	Exp%	Act%
107.00	100	100
144.00	26.80	23.54
142.00	82.50	69.94
0.00	0.00	0.00

Handwritten: $\frac{U.M}{1015115}$

Quantitation Report (Qedit)

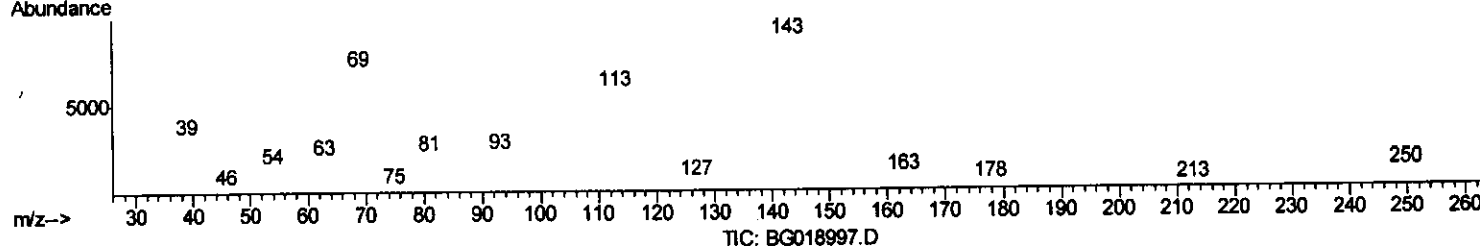
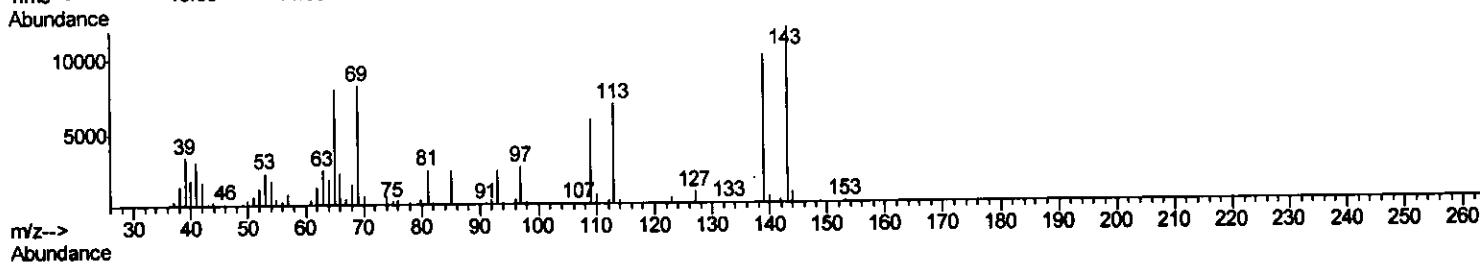
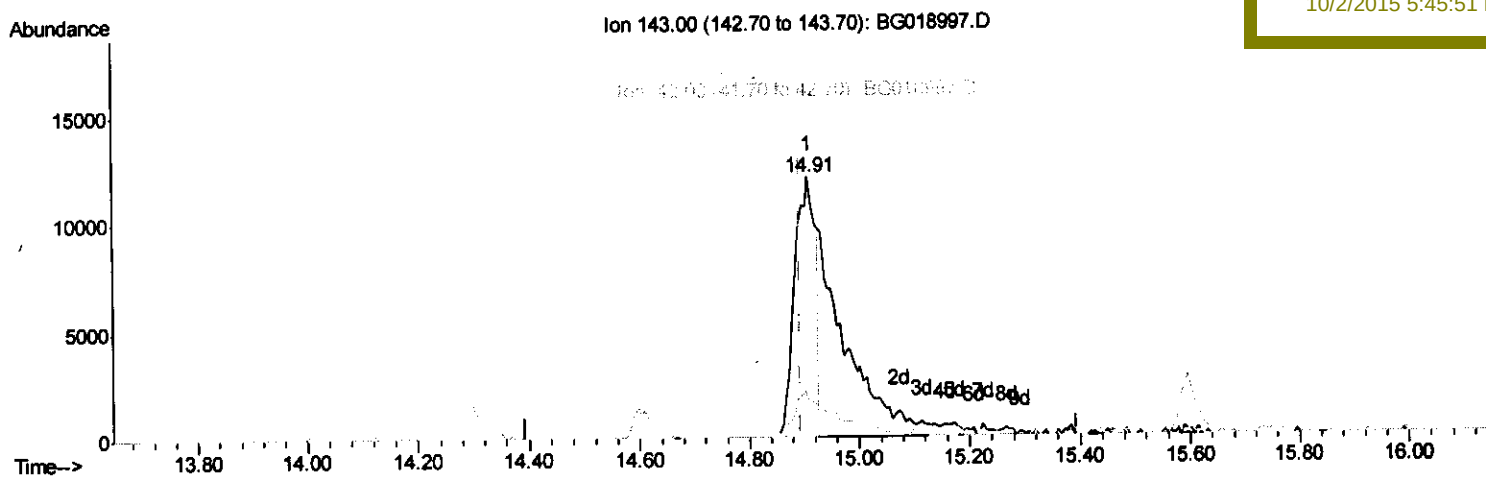
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Manual Integrations
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(52) 4-Nitrophenol-d4 (S)

14.908min (+0.014) 13.52ng/ul

response 32694

Ion	Exp%	Act%
143.00	100	100
113.00	83.50	57.15#
41.00	51.70	25.45#
42.00	30.70	14.23#

Quantitation Report (Qedit)

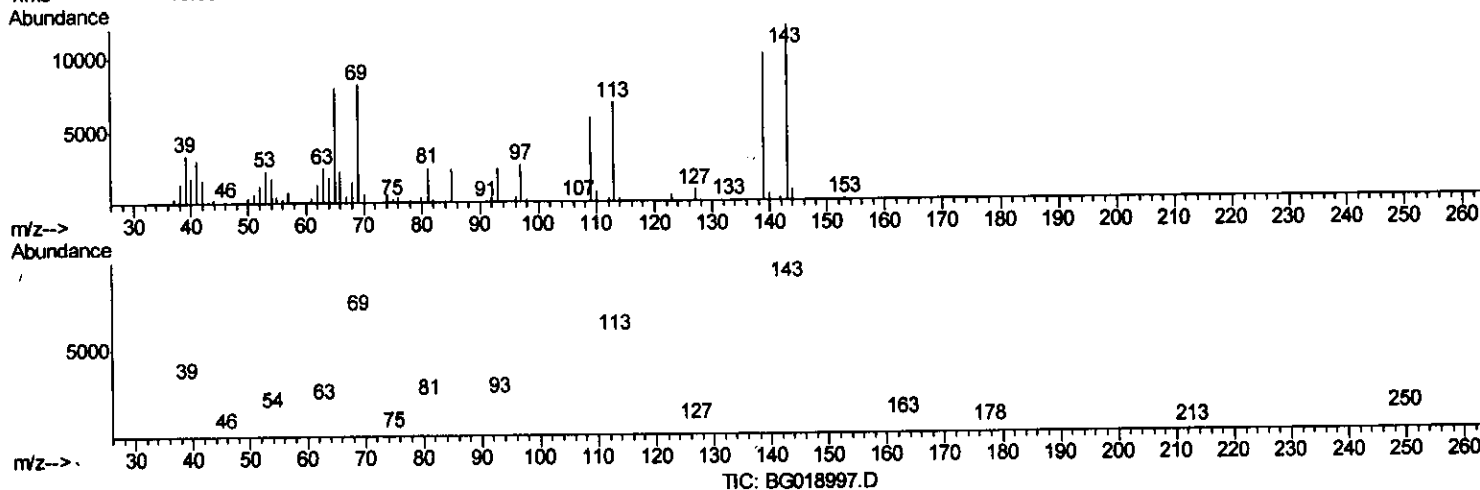
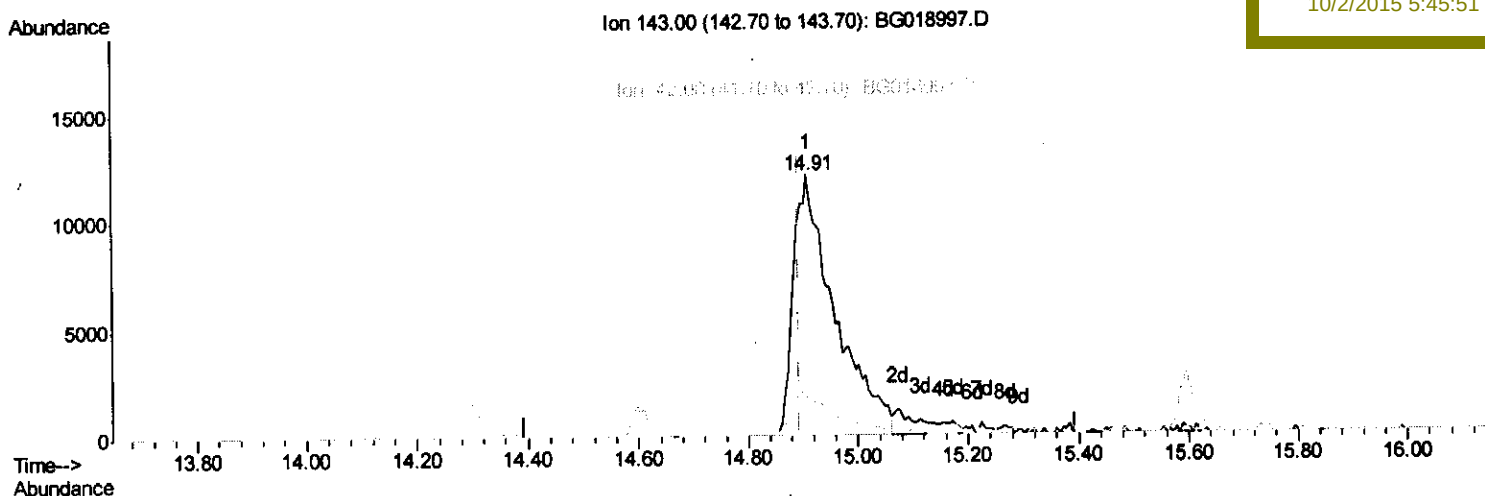
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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 10/2/2015 5:45:51 PM



(52) 4-Nitrophenol-d4 (S)

14.908min (+0.014) 26.13ng/ul m

response 63195

Ion	Exp%	Act%
143.00	100	100
113.00	83.50	57.15#
41.00	51.70	25.45#
42.00	30.70	14.23#

U.M
 1015115

Quantitation Report (Qedit)

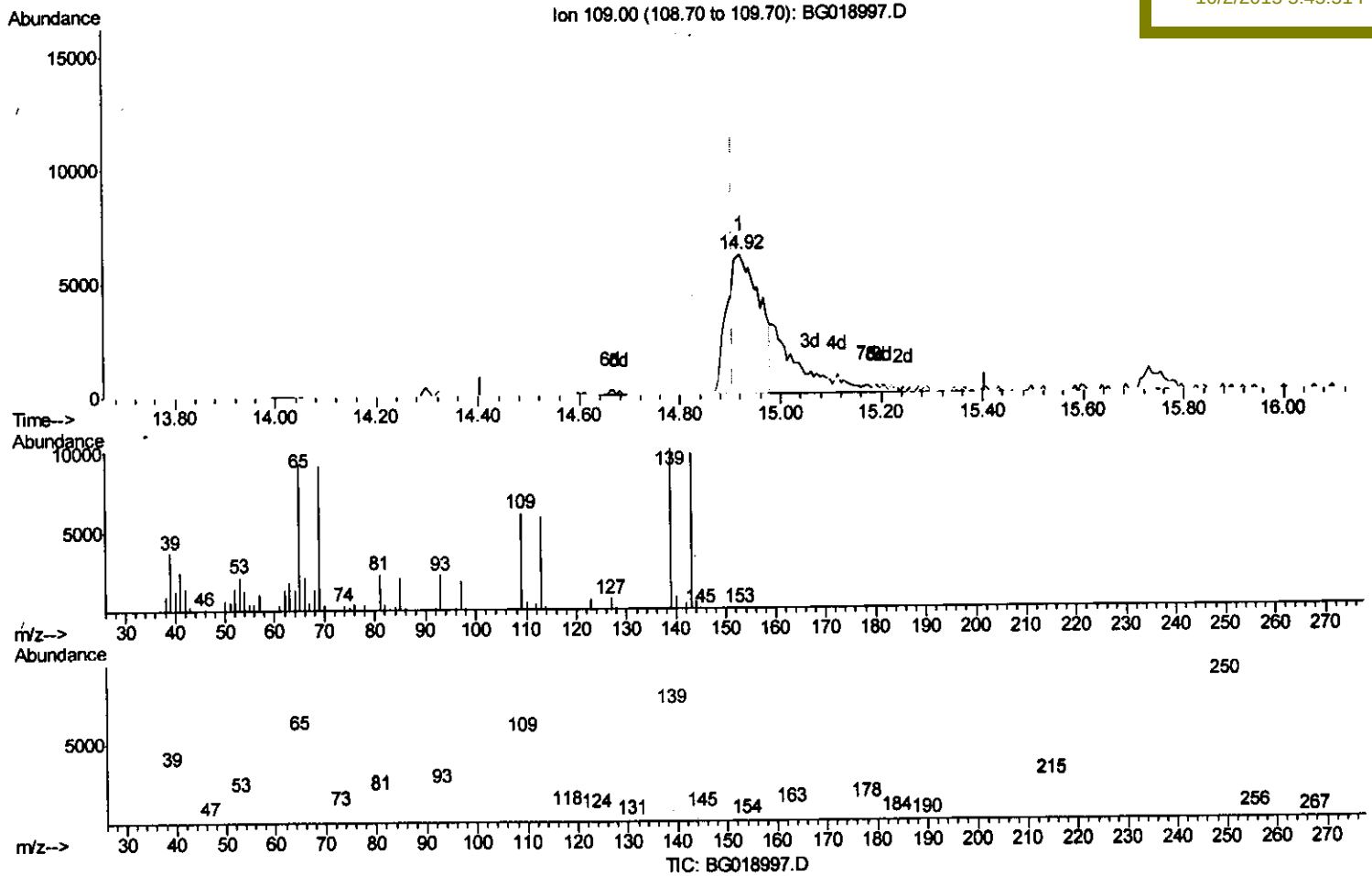
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
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Manual Integrations
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(53) 4-Nitrophenol

14.920min (+0.014) 16.83ng/ul

response 27898

Ion	Exp%	Act%
109.00	100	100
139.00	139.10	165.05
65.00	131.60	150.70
0.00	0.00	0.00

Quantitation Report (Qedit)

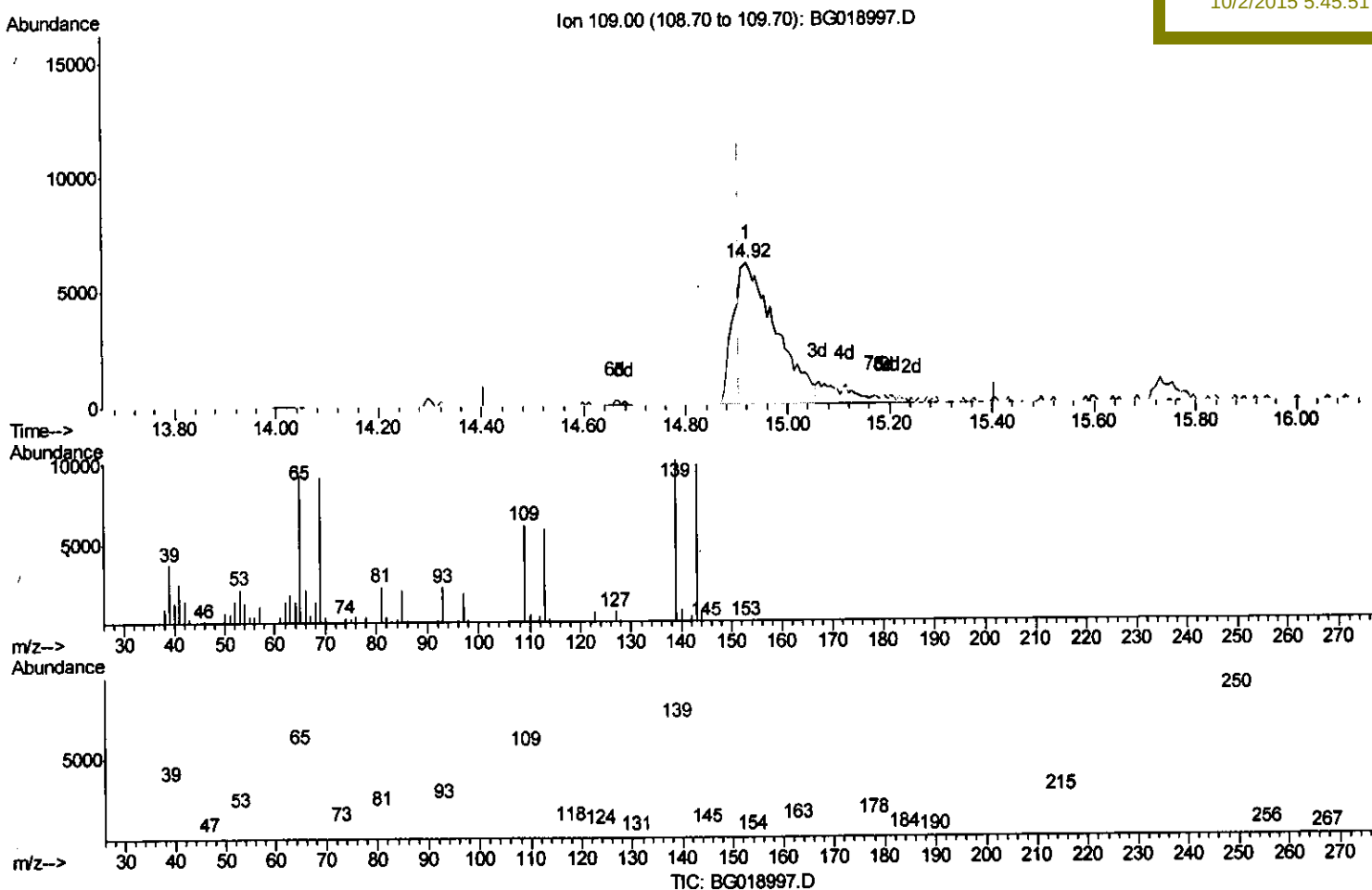
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
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Manual Integrations
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(53) 4-Nitrophenol

14.920min (+0.014) 21.58ng/ul m

response 35774

Handwritten: U.M
 10/5/15

Ion	Exp%	Act%
109.00	100	100
139.00	139.10	165.05
65.00	131.60	150.70
0.00	0.00	0.00

Quantitation Report (Qedit)

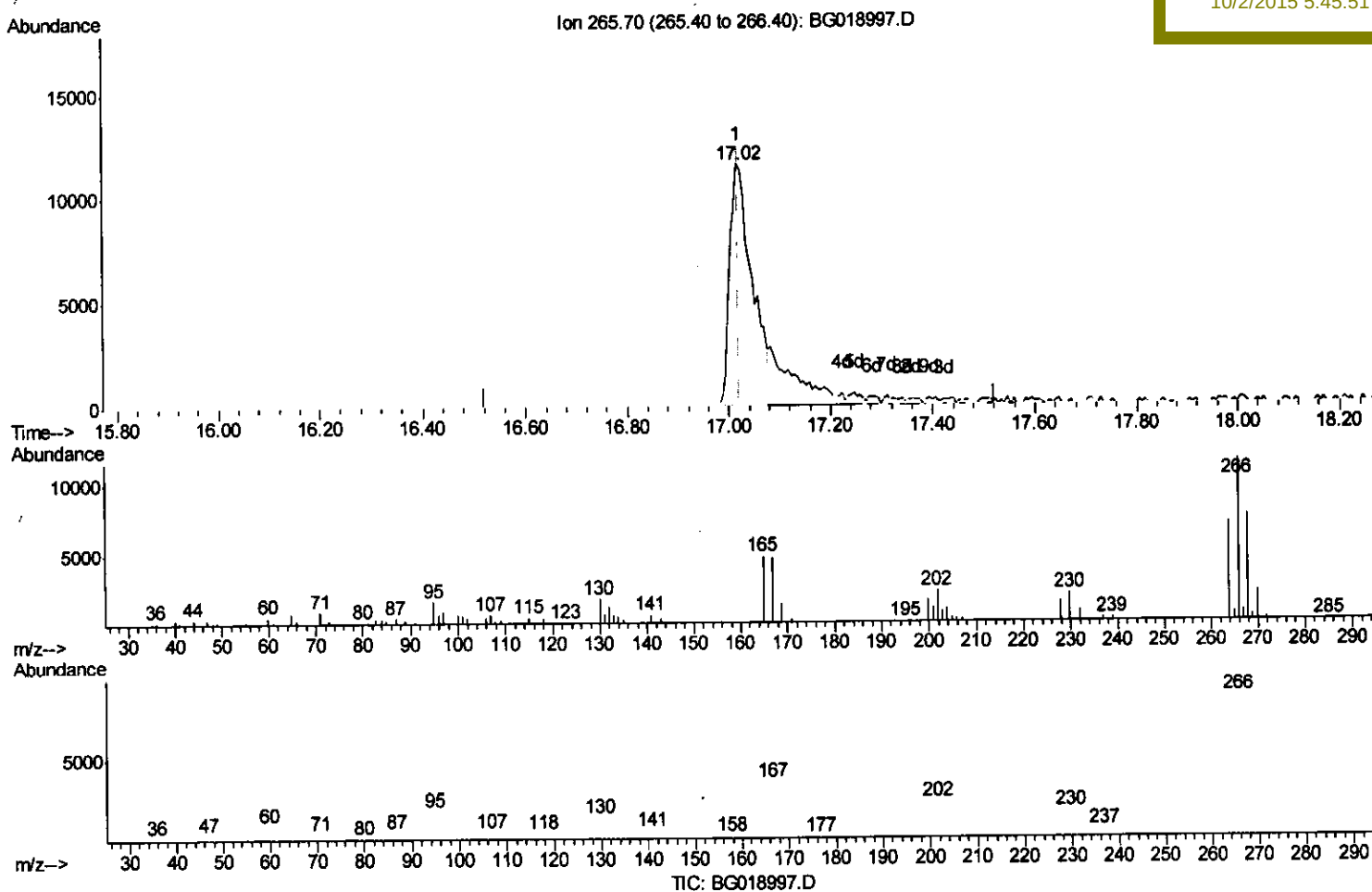
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
Data File : BG018997.D
Acq On : 2 Oct 2015 2:28
Operator : UM/NP
Sample : G3865-06MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
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(69) Pentachlorophenol (C)

17.017min (-0.003) 13.83ng/ul

response 34547

ion	Exp%	Act%
265.70	100	100
264.00	69.20	60.56
268.00	67.00	70.25
0.00	0.00	0.00

Quantitation Report (Qedit)

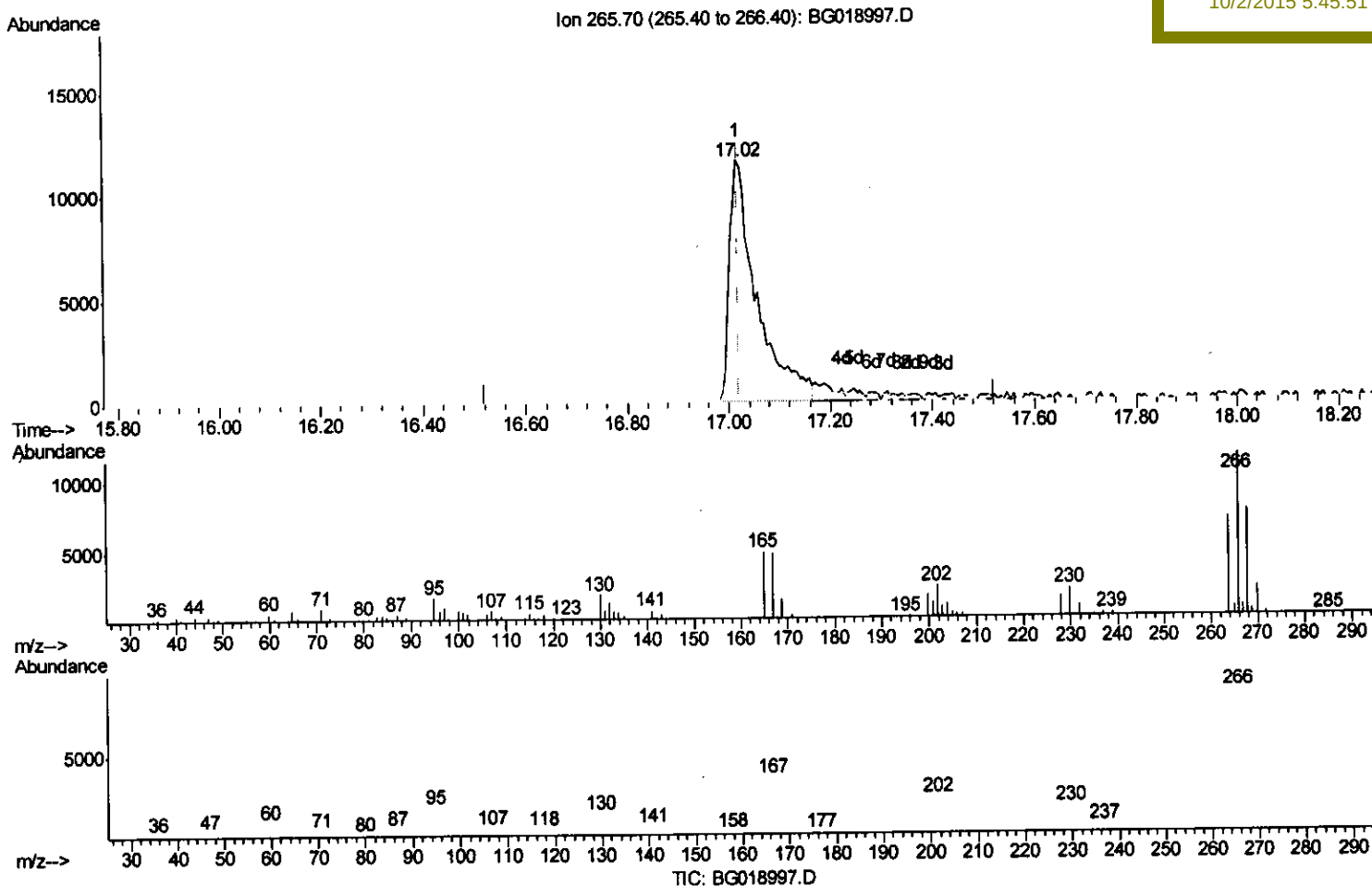
Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:40:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 10/2/2015 5:45:51 PM



(69) Pentachlorophenol (C)

17.017min (-0.003) 17.08ng/ul m

response 42646

Ion	Exp%	Act%
265.70	100	100
264.00	69.20	60.56
268.00	67.00	65.44
0.00	0.00	0.00

> 0.1M
 10/5/15

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG100215\
 Data File : BG018997.D
 Acq On : 2 Oct 2015 2:28
 Operator : UM/NP
 Sample : G3865-06MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5MY3MSD

Quant Time: Oct 02 13:45:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG091015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 11:51:49 2015
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 10/2/2015 5:45:51 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	51264	20.00	ng/ul	0.00
18) Naphthalene-d8	10.78	136	218868	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.60	164	156576	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.35	188	394326	20.00	ng/ul	0.00
78) Chrysene-d12	21.61	240	489219	20.00	ng/ul	0.00
86) Perylene-d12	24.78	264	484799	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	5826	5.46	ng/uL	0.00
5) Phenol-d5	7.18	99	87650m	20.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.30	67	55553	22.77	ng/ul	0.00
9) 2-Chlorophenol-d4	7.52	132	79771	25.02	ng/ul	0.00
13) 4-Methylphenol-d8	8.77	113	96078m	28.13	ng/ul	0.05
19) Nitrobenzene-d5	9.14	128	43647	26.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.87	143	49800	29.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.44	165	98144m	27.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.97	131	101877m	24.94	ng/ul	0.03
44) Dimethylphthalate-d6	14.00	166	378048	30.00	ng/ul	0.00
47) Acenaphthylene-d8	14.30	160	478875	32.07	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	63195m	26.13	ng/ul	0.01
58) Fluorene-d10	15.60	176	351818	31.93	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.73	200	31637	16.95	ng/ul	0.00
71) Anthracene-d10	17.45	188	574076	33.07	ng/ul	0.00
79) Pyrene-d10	19.73	212	703852	31.27	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.56	264	767034	32.51	ng/ul	0.00

Target Compounds

				Qvalue	
6) Phenol	7.22	94	111723m	25.66	ng/ul
10) 2-Chlorophenol	7.55	128	78339	23.74	ng/ul
15) N-Nitroso-di-n-propylamine	8.77	70	57529	21.44	ng/ul#
33) 4-Chloro-3-methylphenol	12.13	107	103529m	27.64	ng/ul
45) Dimethylphthalate	14.05	163	196733	16.11	ng/ul
50) Acenaphthene	14.67	153	301768	28.20	ng/ul
53) 4-Nitrophenol	14.92	109	35774m	21.58	ng/ul
55) 2,4-Dinitrotoluene	14.99	165	109140	29.85	ng/ul#
69) Pentachlorophenol	17.02	266	42646m	17.08	ng/ul
80) Pyrene	19.76	202	798501	27.76	ng/ul

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