

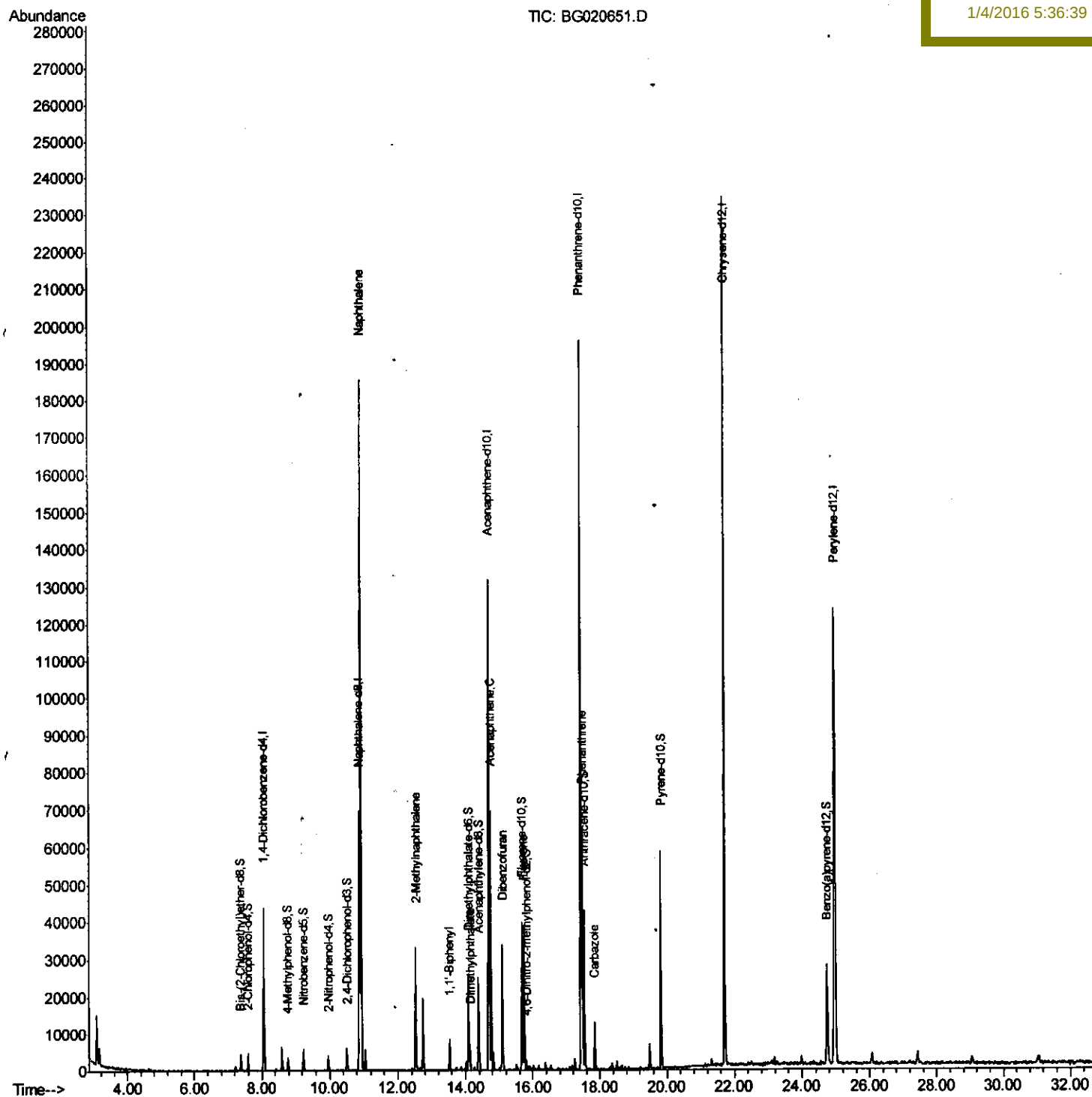
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123115\
Data File : BG020651.D
Acq On : 31 Dec 2015 21:10
Operator : UM/SJ
Sample : G4846-20DL 5X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jan 01 04:53:55 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 01 03:15:46 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N67DL

Manual Integrations
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1/4/2016 5:36:39 PM



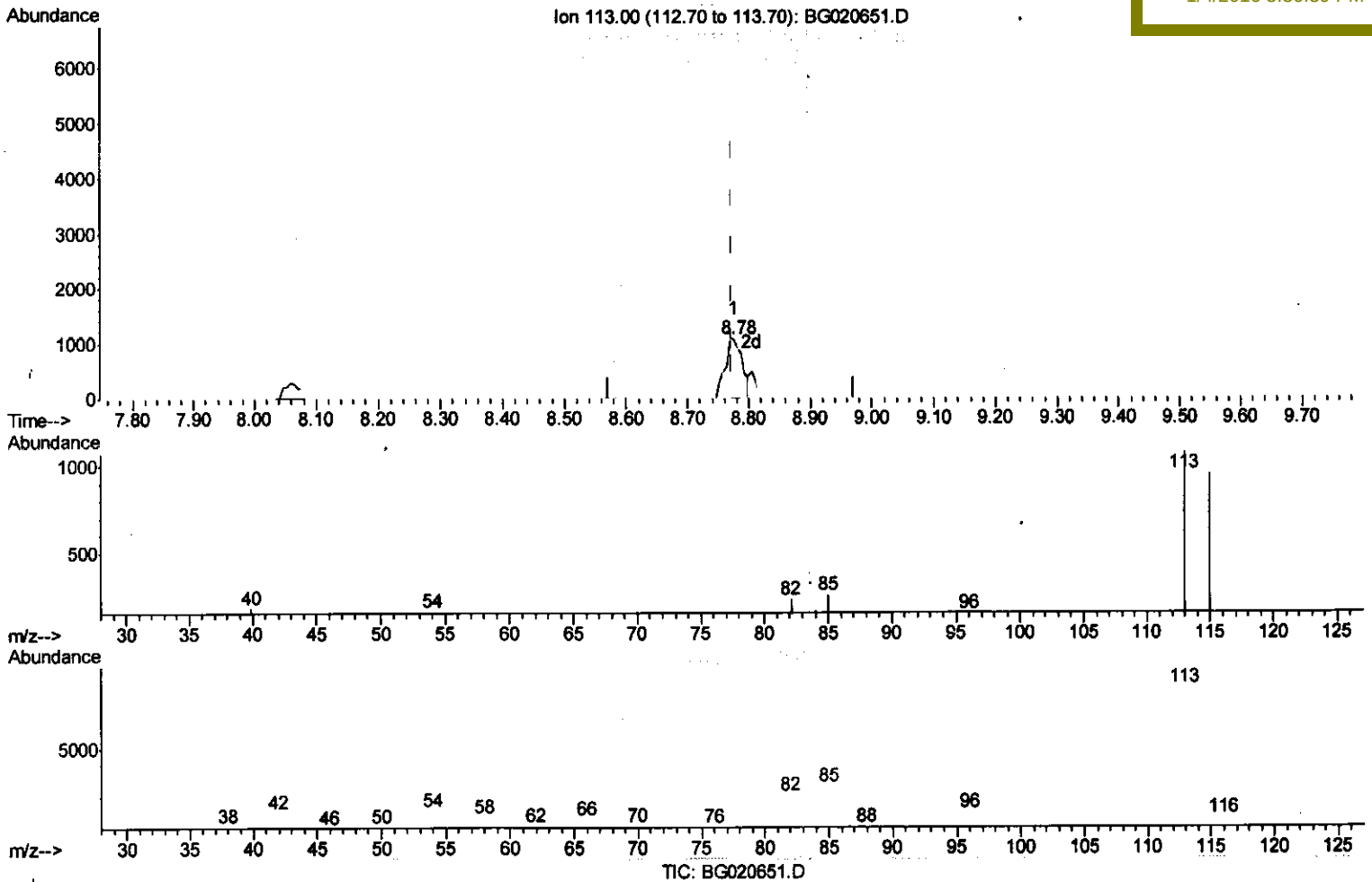
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Quant Time: Jan 01 03:22:03 2016
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Quant Title : SVOA CALIBRATION
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(13) 4-Methylphenol-d8 (S)

8.775min (+0.004) 2.09ng/ui

response 2125

Ion	Exp%	Act%
113.00	100	100
115.00	89.70	88.03
54.00	13.30	14.84
0.00	0.00	0.00

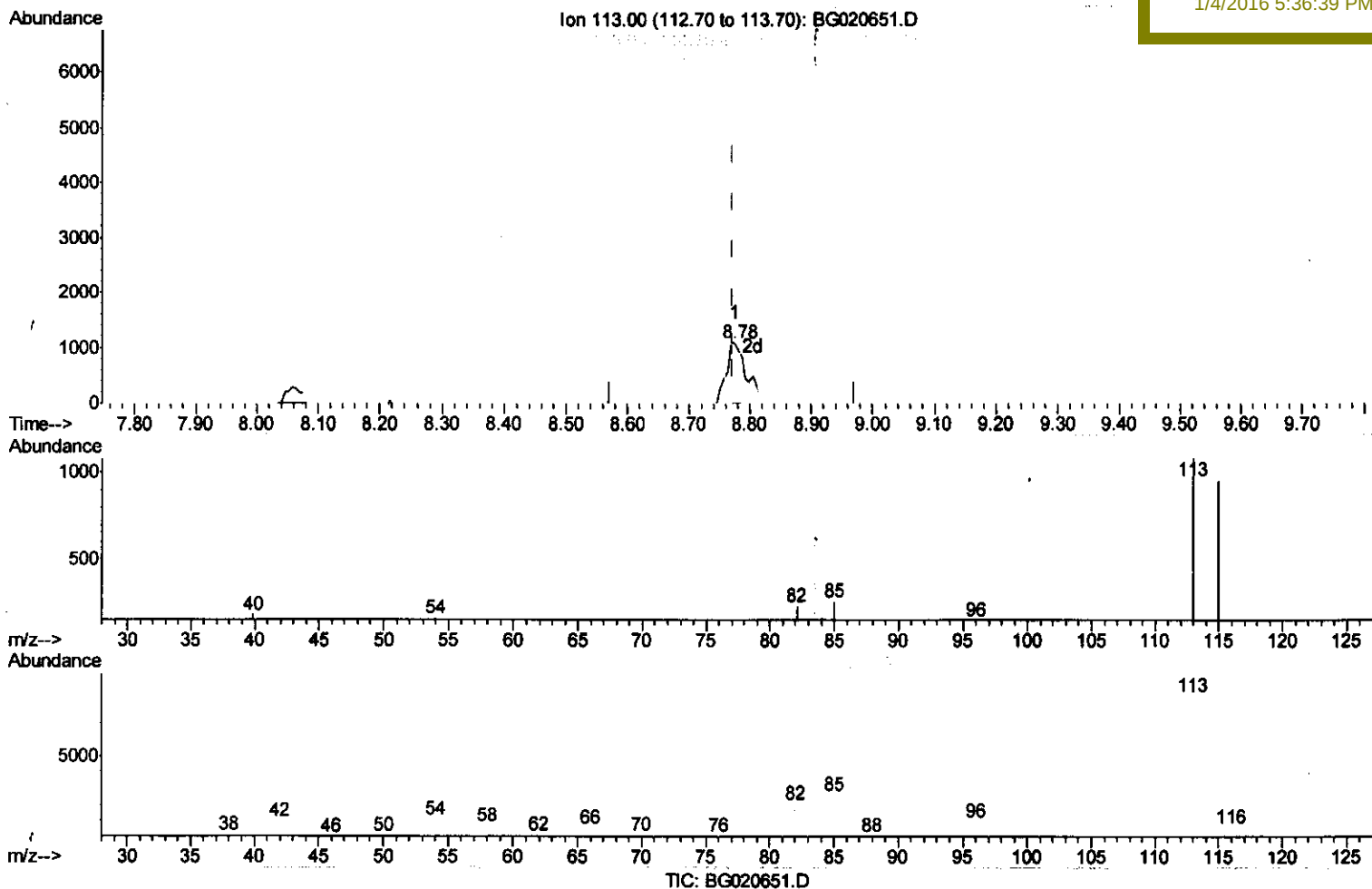
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Instrument :
BNA_G
ClientSampleId :
D9N67DL

Manual Integrations
APPROVED

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(13) 4-Methylphenol-d8 (S)

8.775min (+0.004) 2.36ng/ul m

response 2392

U.M
1/2/16

Ion	Exp%	Act%
113.00	100	100
115.00	89.70	88.03
54.00	13.30	14.84
0.00	0.00	0.00

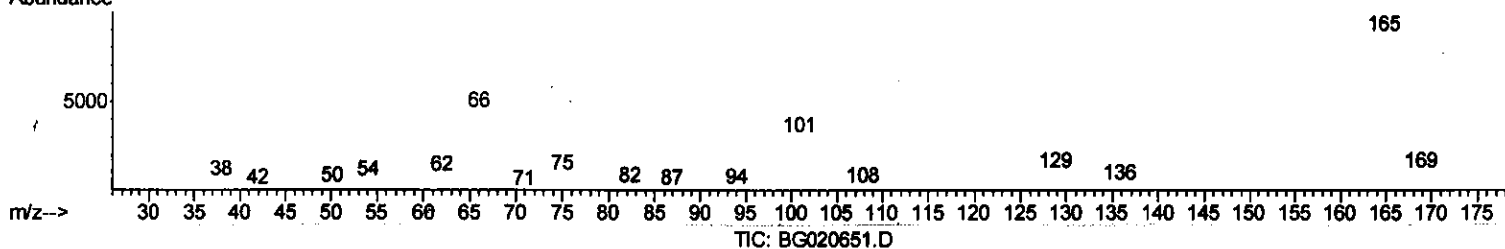
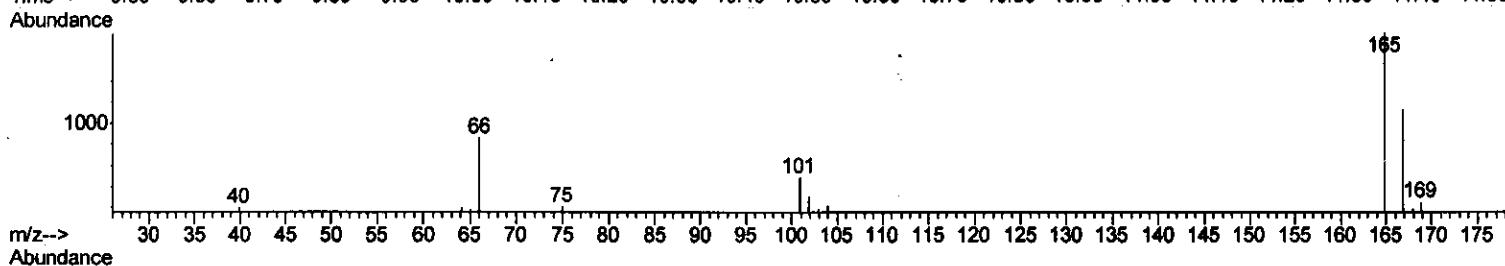
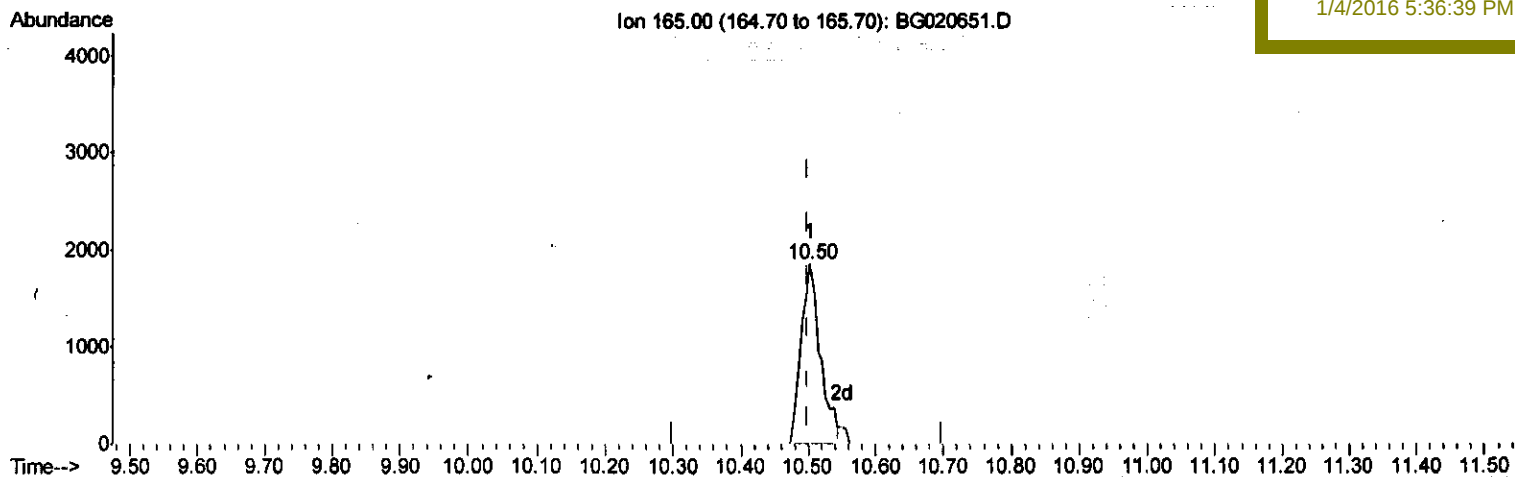
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Data File : BG020651.D
Acq On : 31 Dec 2015 21:10
Operator : UM/SJ
Sample : G4846-20DL 5X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jan 01 03:22:03 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 01 03:15:46 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampled :
D9N67DL

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

10.503min (+0.004) 3.50ng/ui

response 3685

Ion	Exp%	Act%
165.00	100	100
167.00	69.50	60.91
101.00	31.20	26.24
0.00	0.00	0.00

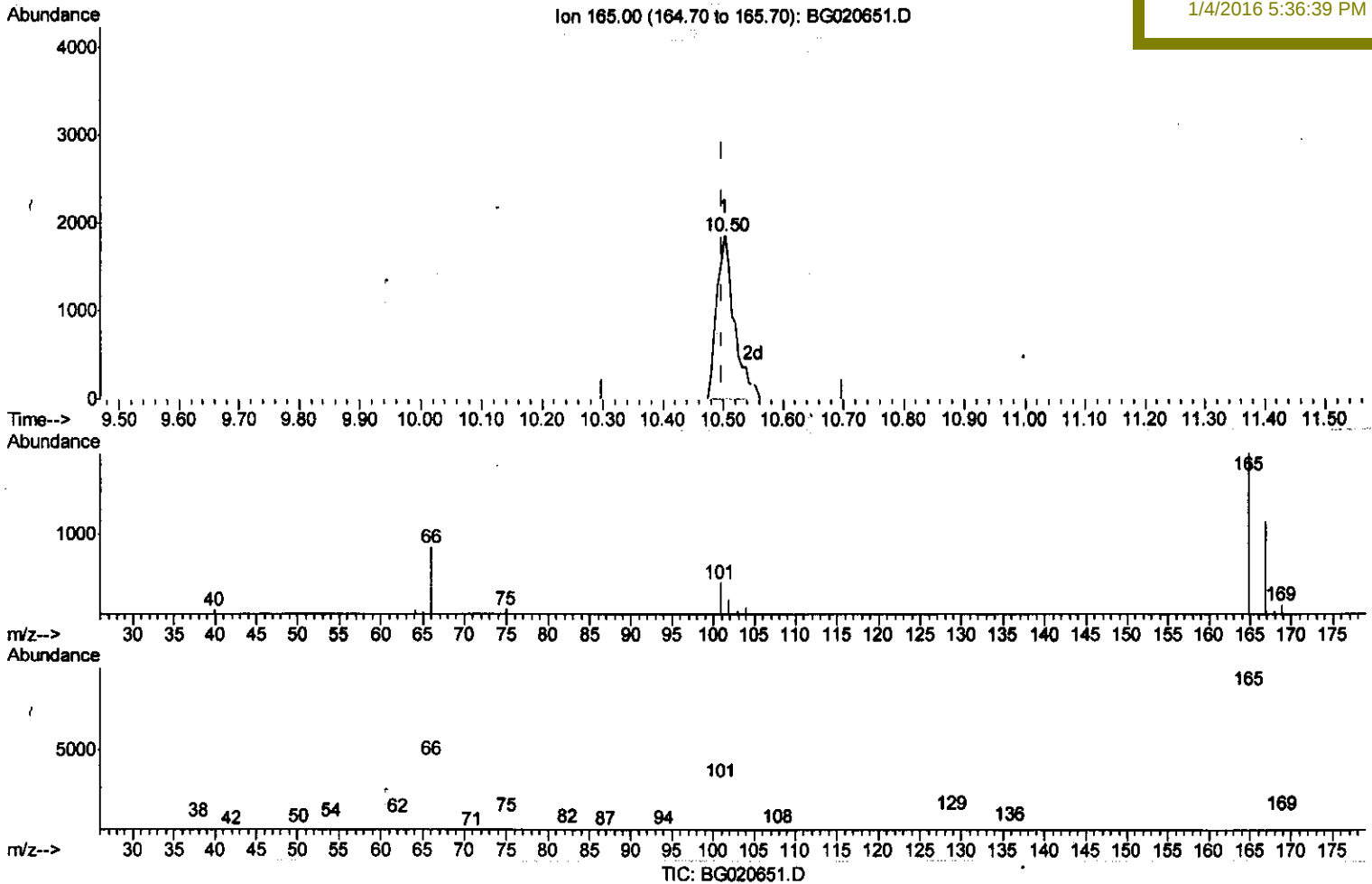
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Data File : BG020651.D
Acq On : 31 Dec 2015 21:10
Operator : UM/SJ
Sample : G4846-20DL 5X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jan 01 03:22:03 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 01 03:15:46 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N67DL

Manual Integrations
APPROVED

UMANGI
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(26) 2,4-Dichlorophenol-d3 (S)

10.503min (+0.004) 3.62ng/ul m

U.M
1/2/16

response 3803

Ion	Exp%	Act%
165.00	100	100
167.00	69.50	60.91
101.00	31.20	26.24
0.00	0.00	0.00

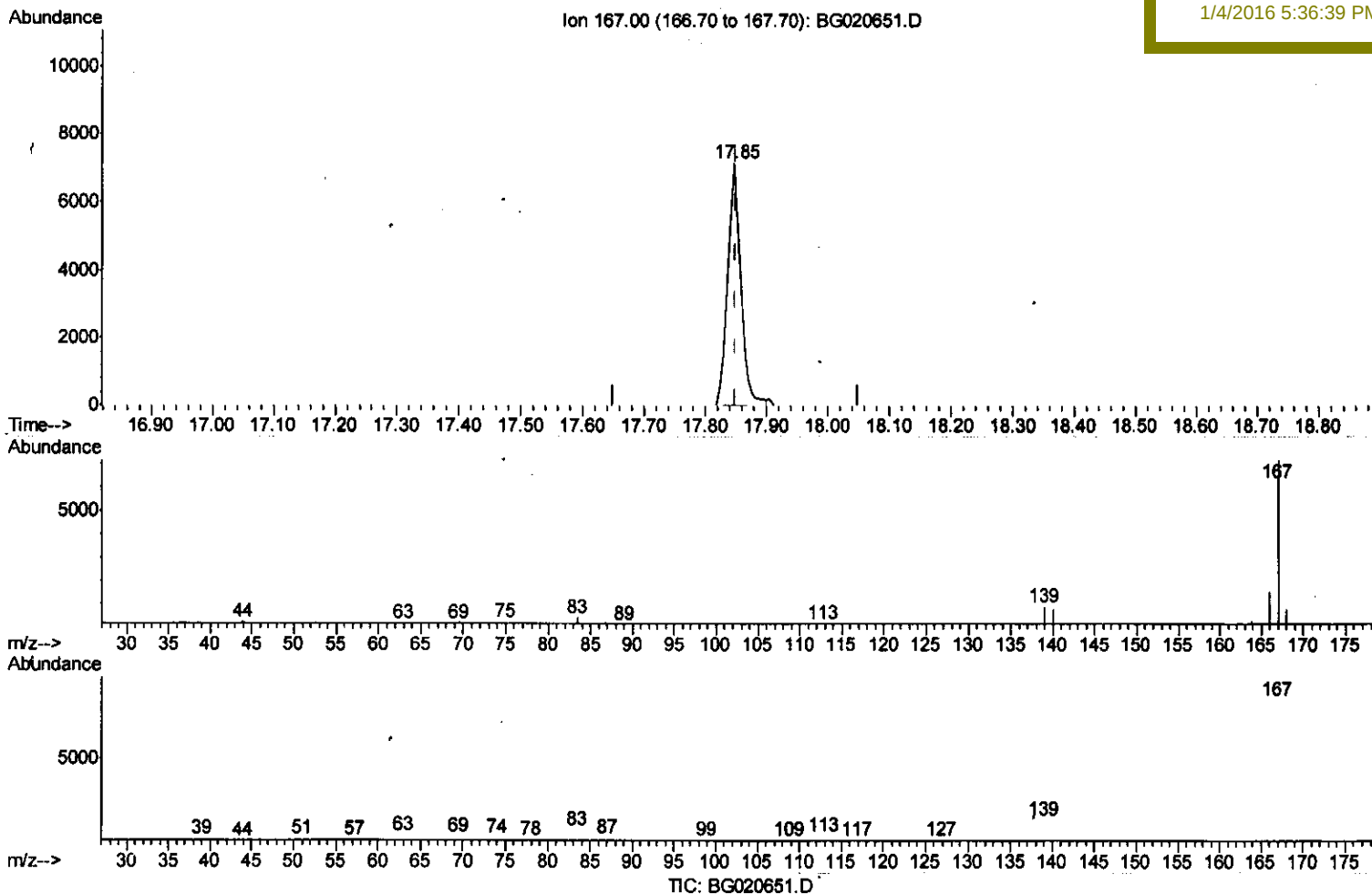
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123115\
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Operator : UM/SJ
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Misc :
ALS Vial : 54 Sample Multiplier: 1

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Instrument :
BNA_G
ClientSampleId :
D9N67DL

Manual Integrations
APPROVED

UMANGI
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(75) Carbazole

17.847min (-0.002) 1.79ng/ul

response 10697

Ion	Exp%	Act%
167.00	100	100
166.00	21.20	21.89
139.00	11.40	12.58
0.00	0.00	0.00

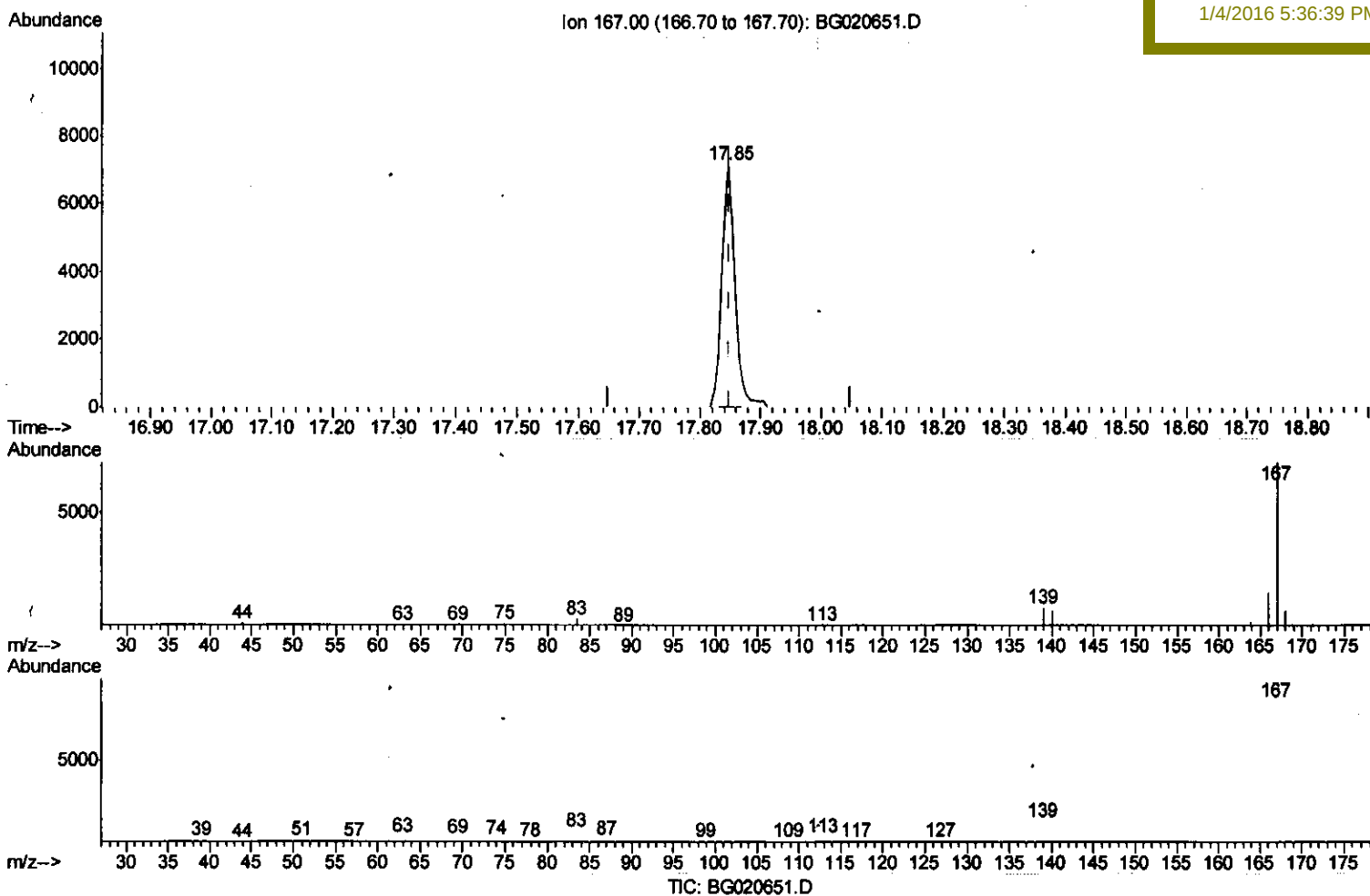
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123115\
Data File : BG020651.D
Acq On : 31 Dec 2015 21:10
Operator : UM/SJ
Sample : G4846-20DL 5X
Misc :
ALS Vial : 54 Sample Multiplier: 1

Quant Time: Jan 01 03:22:03 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jan 01 03:15:46 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N67DL

Manual Integrations
APPROVED

UMANGI
1/4/2016 5:36:39 PM



(75) Carbazole

17.847min (-0.002) 1.80ng/ul m

response 10765

Ion	Exp%	Act%
167.00	100	100
166.00	21.20	21.89
139.00	11.40	12.58
0.00	0.00	0.00

U.M.
1/2/16

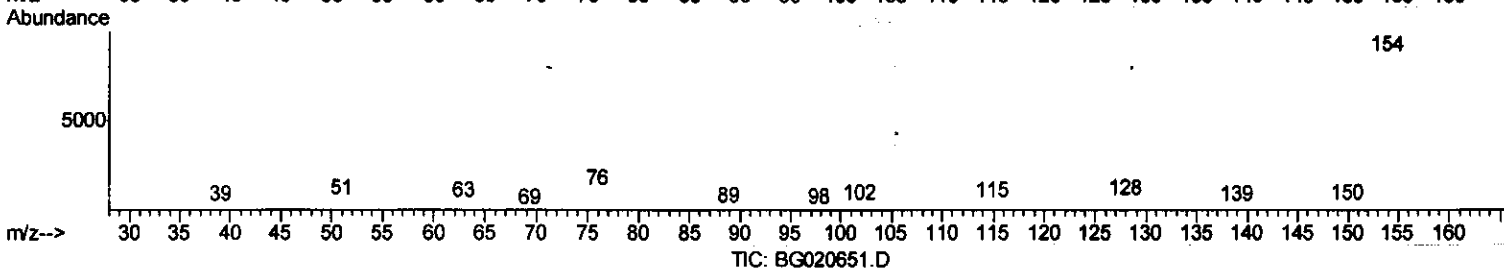
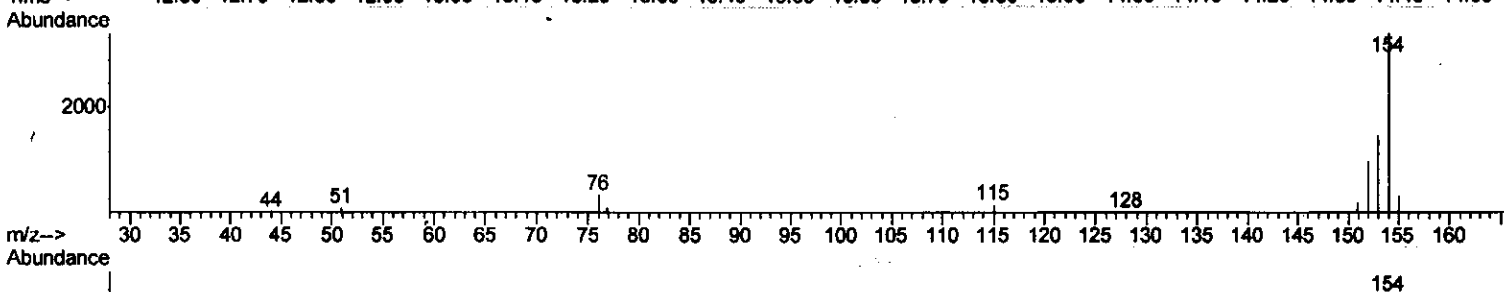
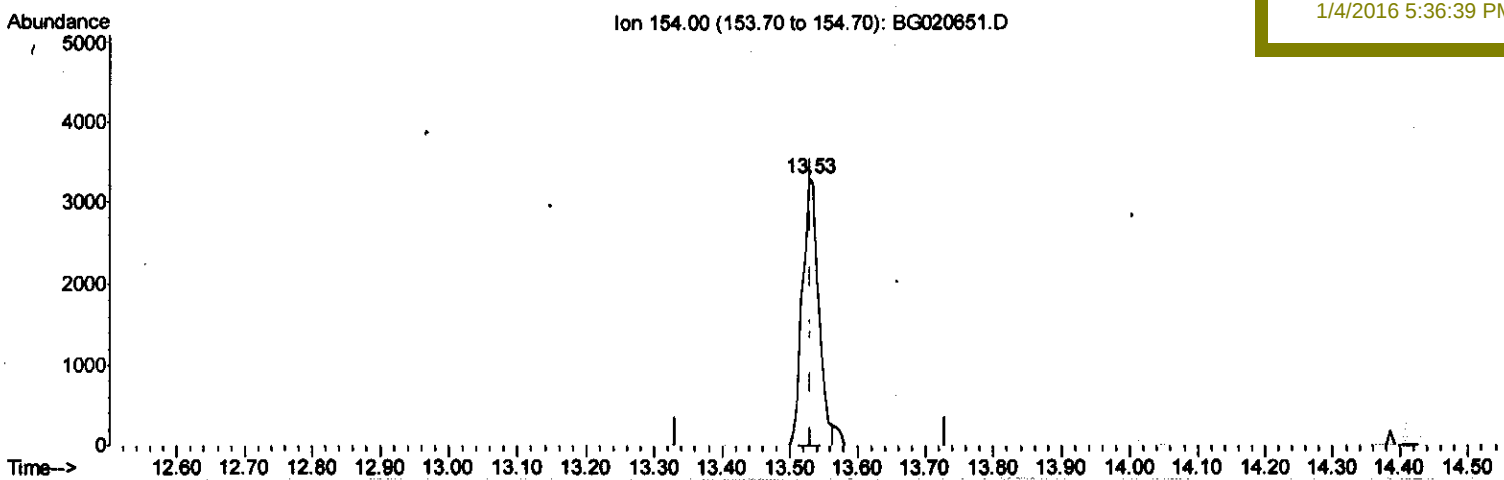
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Instrument :
BNA_G
ClientSampleId :
D9N67DL

Manual Integrations
APPROVED

UMANGI
1/4/2016 5:36:39 PM



(41) 1,1'-Biphenyl

13.528min (-0.002) 1.57ng/ul

response 5593

Ion	Exp%	Act%
154.00	100	100
153.00	42.50	46.11
76.00	10.50	14.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

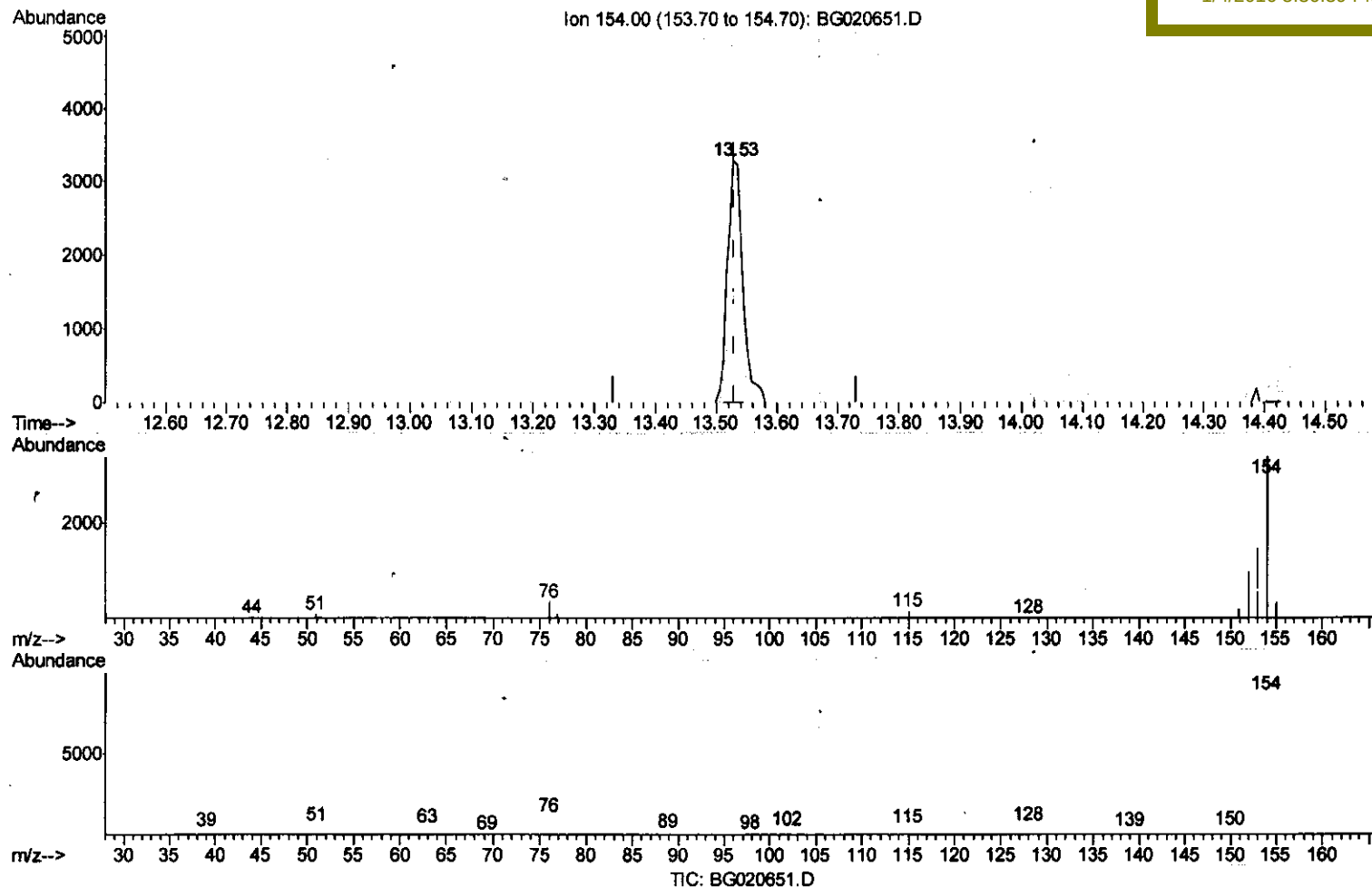
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123115\
 Data File : BG020651.D
 Acq On : 31 Dec 2015 21:10
 Operator : UM/SJ
 Sample : G4846-20DL 5X
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N67DL

Quant Time: Jan 01 03:22:03 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG123015.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 01 03:15:46 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

UMANGI
 1/4/2016 5:36:39 PM



(41) 1,1'-Biphenyl

13.528min (-0.002) 1.61ng/ul m

response 5731

U.M
 11216

Ion	Exp%	Act%
154.00	100	100
153.00	42.50	46.11
76.00	10.50	14.33#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG123115\
 Data File : BG020651.D
 Acq On : 31 Dec 2015 21:10
 Operator : UM/SJ
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Instrument :
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Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	13999	20.00	ng/ul	0.00
18) Naphthalene-d8	10.87	136	61726	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.70	164	47205	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.44	188	127380	20.00	ng/ul	0.00
78) Chrysene-d12	21.71	240	151960	20.00	ng/ul	0.00
86) Perylene-d12	24.97	264	144890	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.23	99	1095	0.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.38	67	2760	3.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.59	132	3588	3.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.78	113	2392m	2.36	ng/ul	0.00
19) Nitrobenzene-d5	9.23	128	1954	4.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	1945	3.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.50	165	3803m	3.62	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.09	166	18866	4.88	ng/ul	0.00
47) Acenaphthylene-d8	14.39	160	20761	4.73	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.68	176	17749	5.07	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.81	200	1228	1.59	ng/ul	0.00
71) Anthracene-d10	17.54	188	29966	5.05	ng/ul	0.00
79) Pyrene-d10	19.82	212	34202	5.02	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.74	264	33230	4.60	ng/ul	-0.01

Target Compounds

						Qvalue
28) Naphthalene	10.93	128	158424	48.46	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	17628	7.21	ng/ul	99
41) 1,1'-Biphenyl	13.53	154	5731m	1.61	ng/ul	
45) Dimethylphthalate	14.14	163	4734	1.20	ng/ul#	94
50) Acenaphthene	14.76	153	31596	9.99	ng/ul	98
54) Dibenzofuran	15.09	168	25822	5.40	ng/ul	99
59) Fluorene	15.74	166	19877	5.17	ng/ul	99
70) Phenanthrene	17.48	178	42215	6.10	ng/ul	99
75) Carbazole	17.85	167	10765m	1.80	ng/ul	

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