

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 11 19:19:18 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	54995	20.00	ng/ul	0.00
18) Naphthalene-d8	10.27	136	224674	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.17	164	102574	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.92	188	196967	20.00	ng/ul	0.01
78) Chrysene-d12	21.13	240	219448	20.00	ng/ul	0.01
86) Perylene-d12	23.31	264	222297	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1407	1.93	ng/uL	0.00
5) Phenol-d5	6.69	99	64942	13.13	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.83	67	36941	14.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.02	132	52944	14.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.21	113	48041	11.93	ng/ul	0.00
19) Nitrobenzene-d5	8.64	128	28431	16.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	23219	11.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	53591	14.93	ng/ul	0.01
29) 4-Chloroaniline-d4	10.42	131	33780m	7.55	ng/ul	0.01
44) Dimethylphthalate-d6	13.58	166	117579	14.83	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	130790	14.23	ng/ul	0.01
52) 4-Nitrophenol-d4	14.41	143	12620	8.60	ng/ul	0.02
58) Fluorene-d10	15.16	176	91858	12.81	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.02	188	122280m	14.28	ng/ul	0.01
79) Pyrene-d10	19.33	212	122920	11.58	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.17	264	135292	12.03	ng/ul	0.03

T.P.
 6/8/02/15

Target Compounds					Qvalue
28) Naphthalene	10.32	128	49976	4.62	ng/ul 98
34) 2-Methylnaphthalene	11.95	142	24619	2.88	ng/ul 97
45) Dimethylphthalate	13.62	163	65975	8.37	ng/ul 99
50) Acenaphthene	14.23	153	13706	2.31	ng/ul 97
59) Fluorene	15.22	166	13254	1.72	ng/ul# 92
70) Phenanthrene	16.96	178	84777	8.47	ng/ul 98
72) Anthracene	17.06	178	25814m	2.59	ng/ul
77) Fluoranthene	18.99	202	195912	17.83	ng/ul# 93
80) Pyrene	19.36	202	187070	14.05	ng/ul# 93
83) Benzo(a)anthracene	21.11	228	83983	7.11	ng/ul 95
84) Bis(2-ethylhexyl)phthalate	21.05	149	25533m	3.50	ng/ul
85) Chrysene	21.16	228	99781	9.22	ng/ul 95
88) Benzo(b)fluoranthene	22.66	252	182832	13.69	ng/ul# 84
89) Benzo(k)fluoranthene	22.70	252	47239m	3.85	ng/ul
91) Benzo(a)pyrene	23.22	252	106246	8.89	ng/ul# 73
92) Indeno(1,2,3-cd)pyrene	25.52	276	57226	4.14	ng/ul# 88
94) Benzo(g,h,i)perylene	26.20	276	41777	3.70	ng/ul# 92

T.P.
 6/8/05/15

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

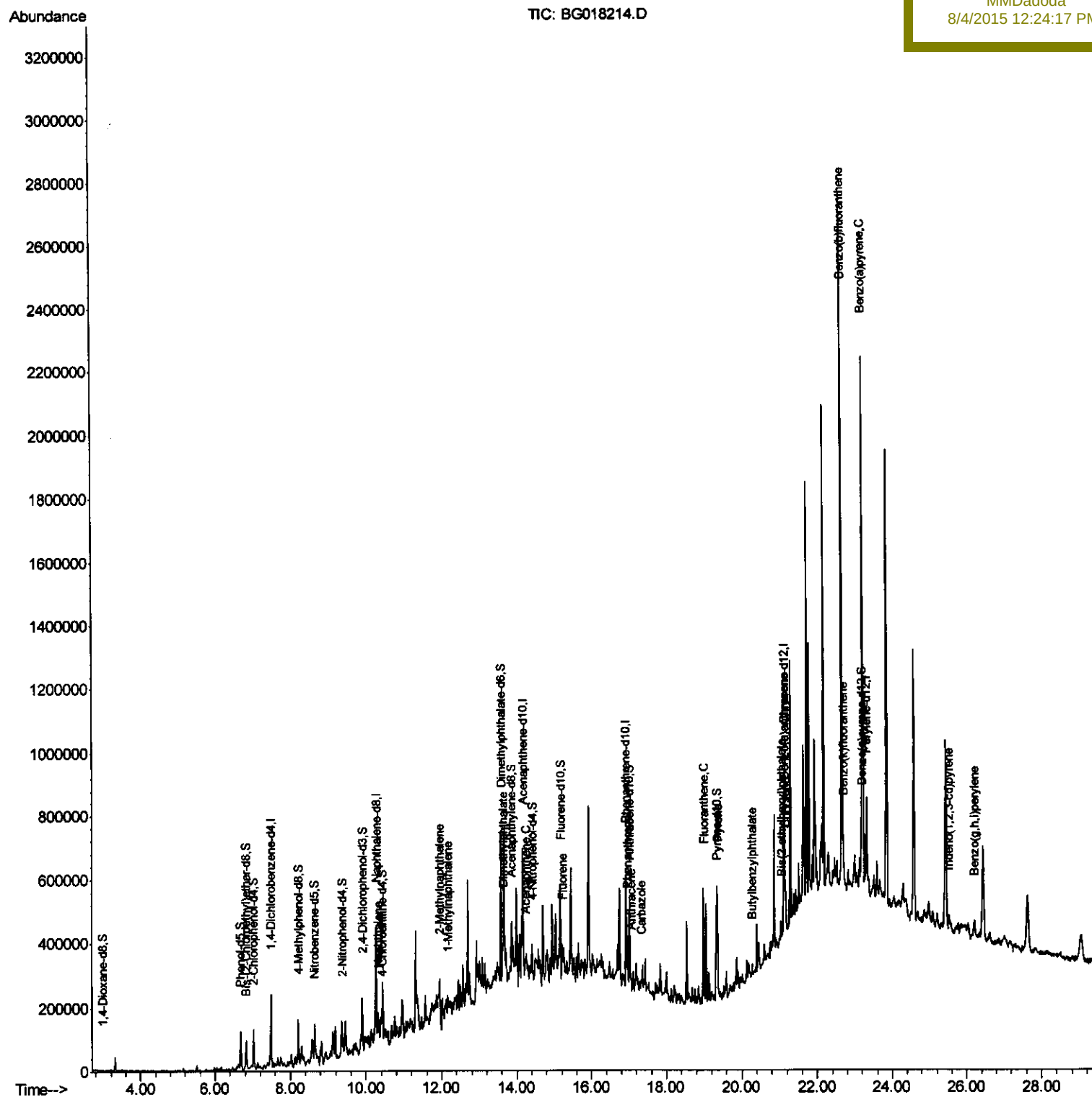
```
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\  
Data File : BG018214.D  
Acq On    : 1 Aug 2015 11:03  
Operator  : TP/UM  
Sample    : G3073-09  
Misc      :  
ALS Vial  : 34 Sample Multiplier: 1
```

Quant Time: Aug 03 04:33:03 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 01 07:09:30 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C0102

Manual Integrations

MMDadoda
8/4/2015 12:24:17 PM



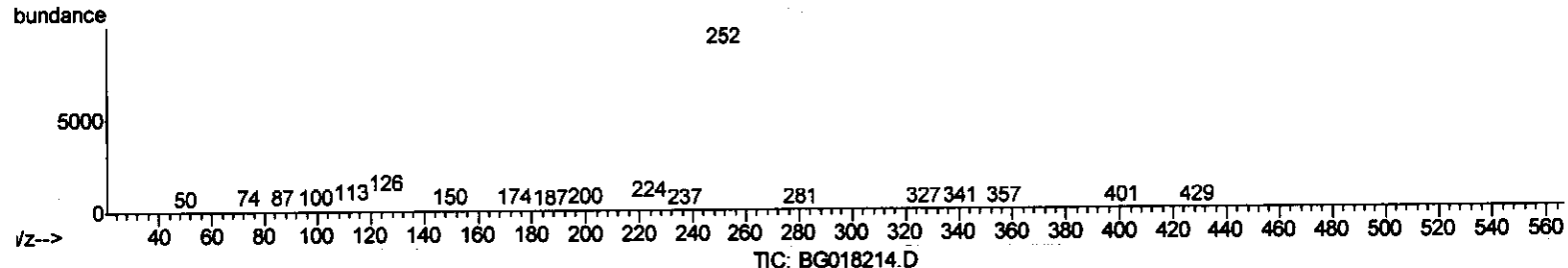
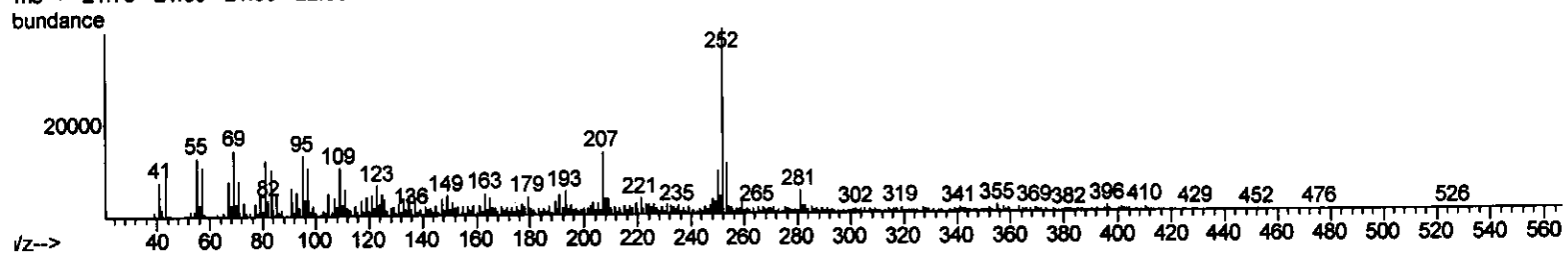
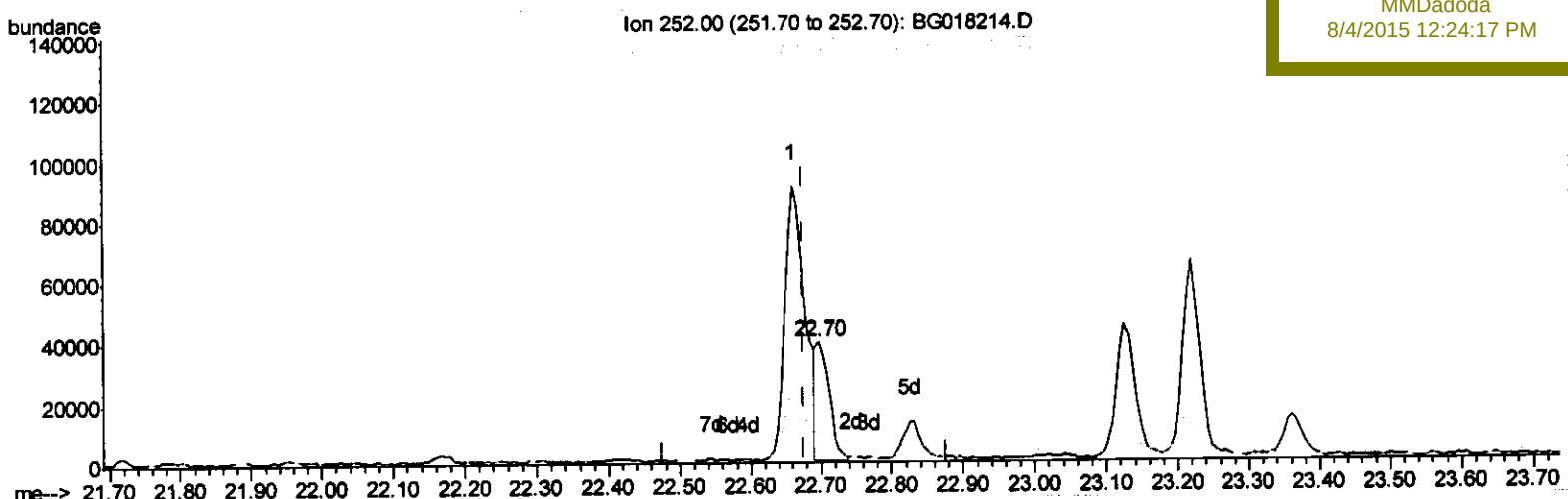
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 04:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(89) Benzo(k)fluoranthene
 22.697min (+0.020) 3.85ng/ul m
 response 47239

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	27.65#
125.00	9.40	11.91#
0.00	0.00	0.00

T.P
08/05/15

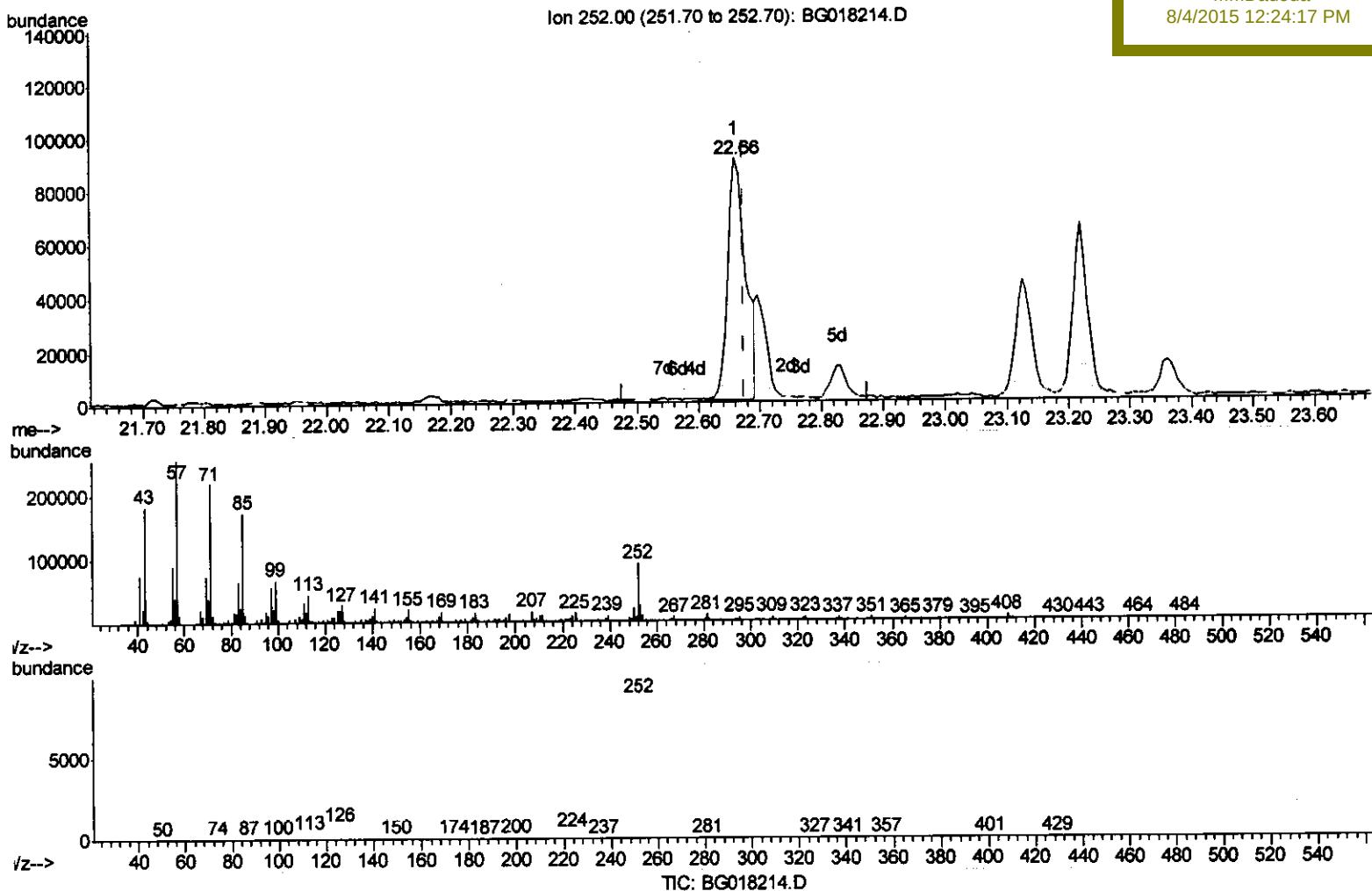
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 04:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(89) Benzo(k)fluoranthene

22.661min (-0.015) 14.90ng/ui

response 182832

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	27.95#
125.00	9.40	20.94#
0.00	0.00	0.00

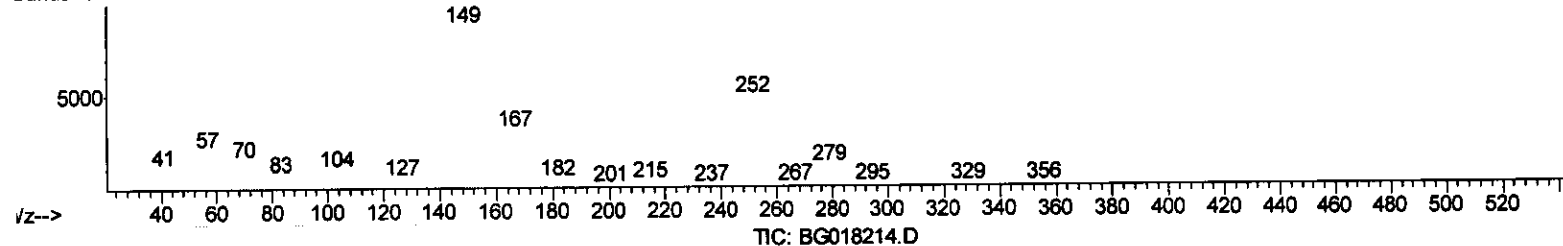
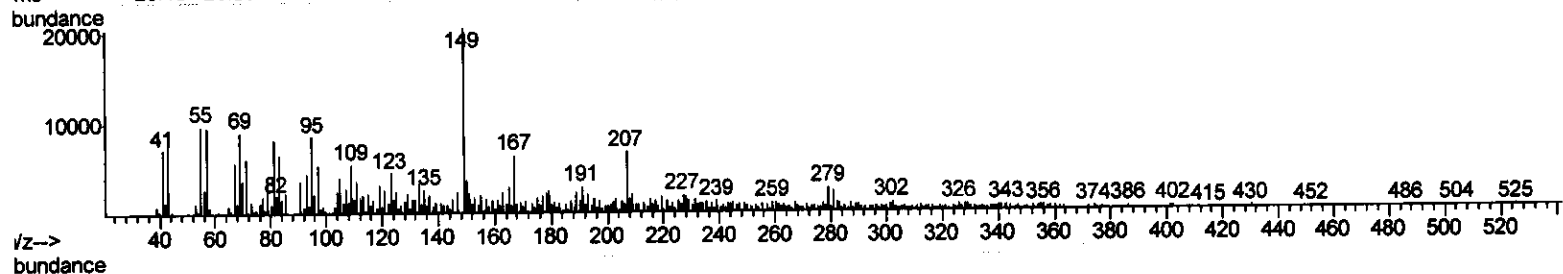
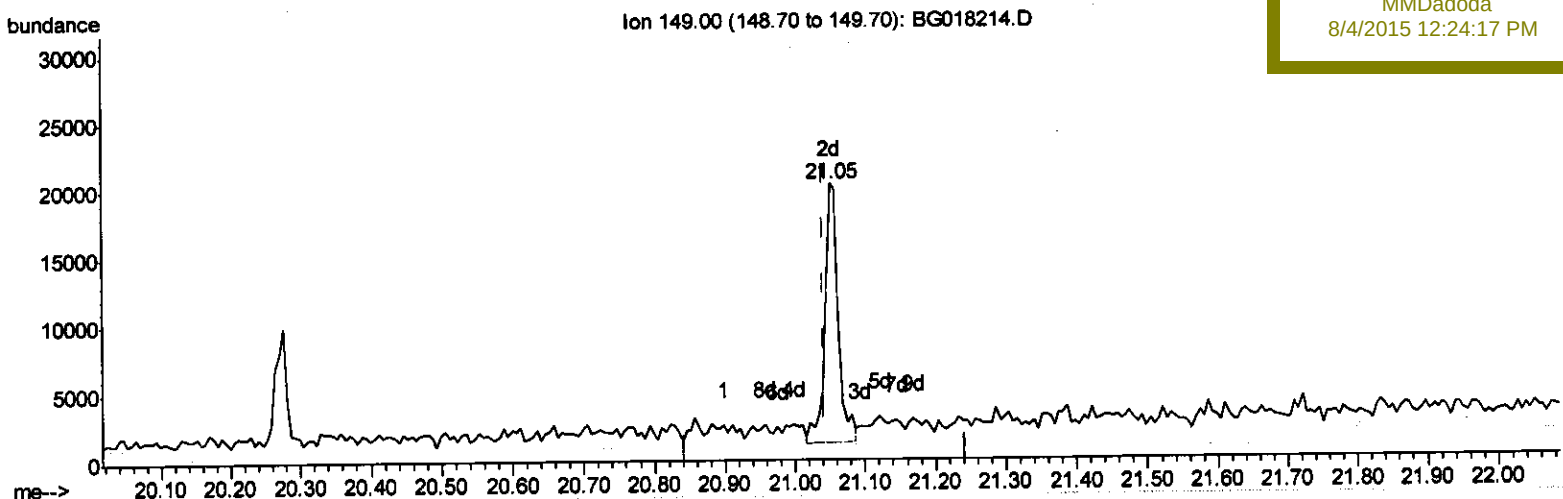
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 04:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampled :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(84) Bis(2-ethylhexyl)phthalate

21.051min (+0.008) 3.50ng/ul m

response 25533

Ion	Exp%	Act%
149.00	100	100
167.00	34.30	31.58
279.00	10.40	13.12#
0.00	0.00	0.00

T.P
08/05/15

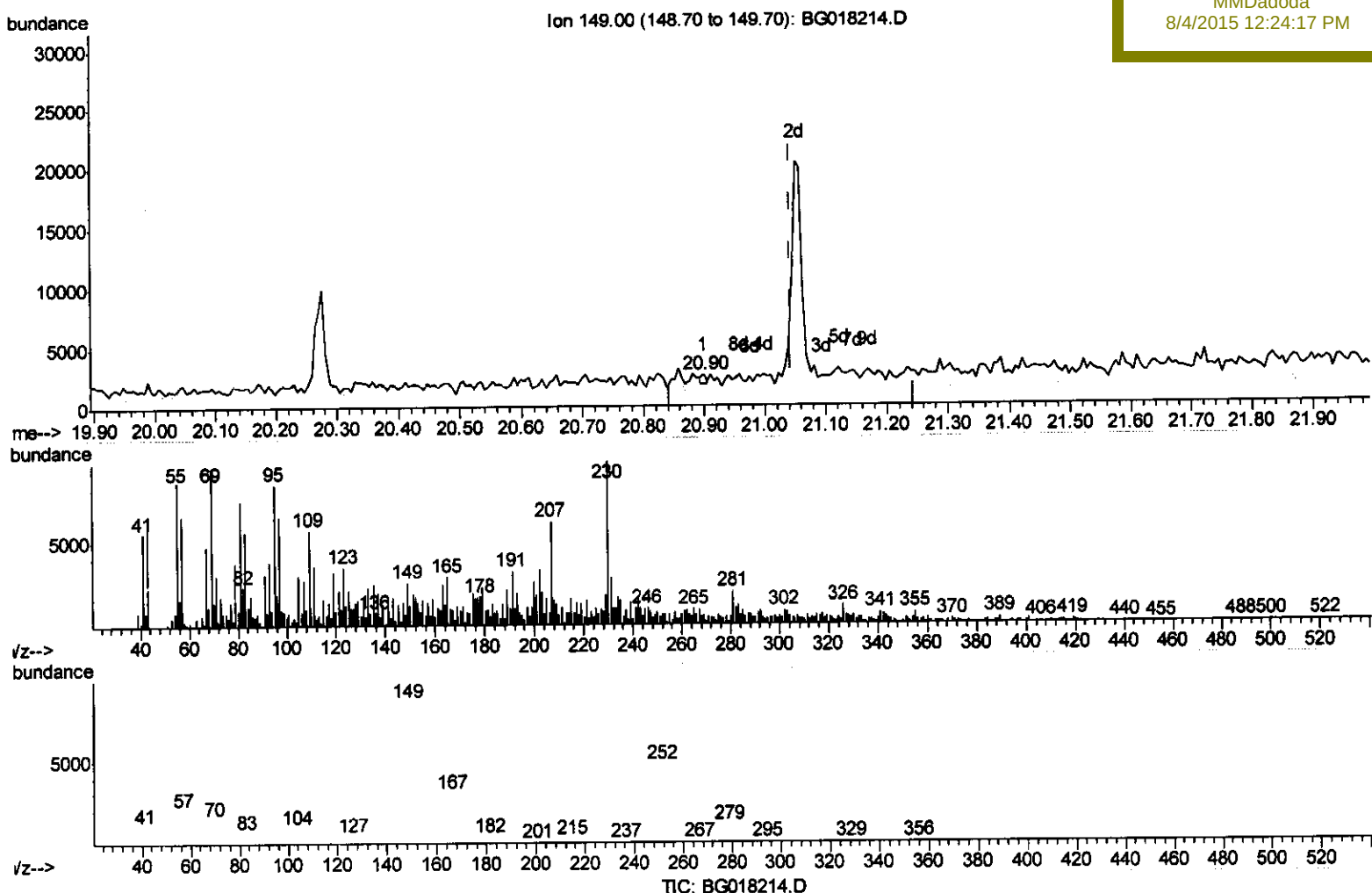
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 04:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(84) Bis(2-ethylhexyl)phthalate

20.899min (-0.144) 0.04ng/ul

response 327

Ion	Exp%	Act%
149.00	100	100
167.00	34.30	41.08
279.00	10.40	10.67
0.00	0.00	0.00

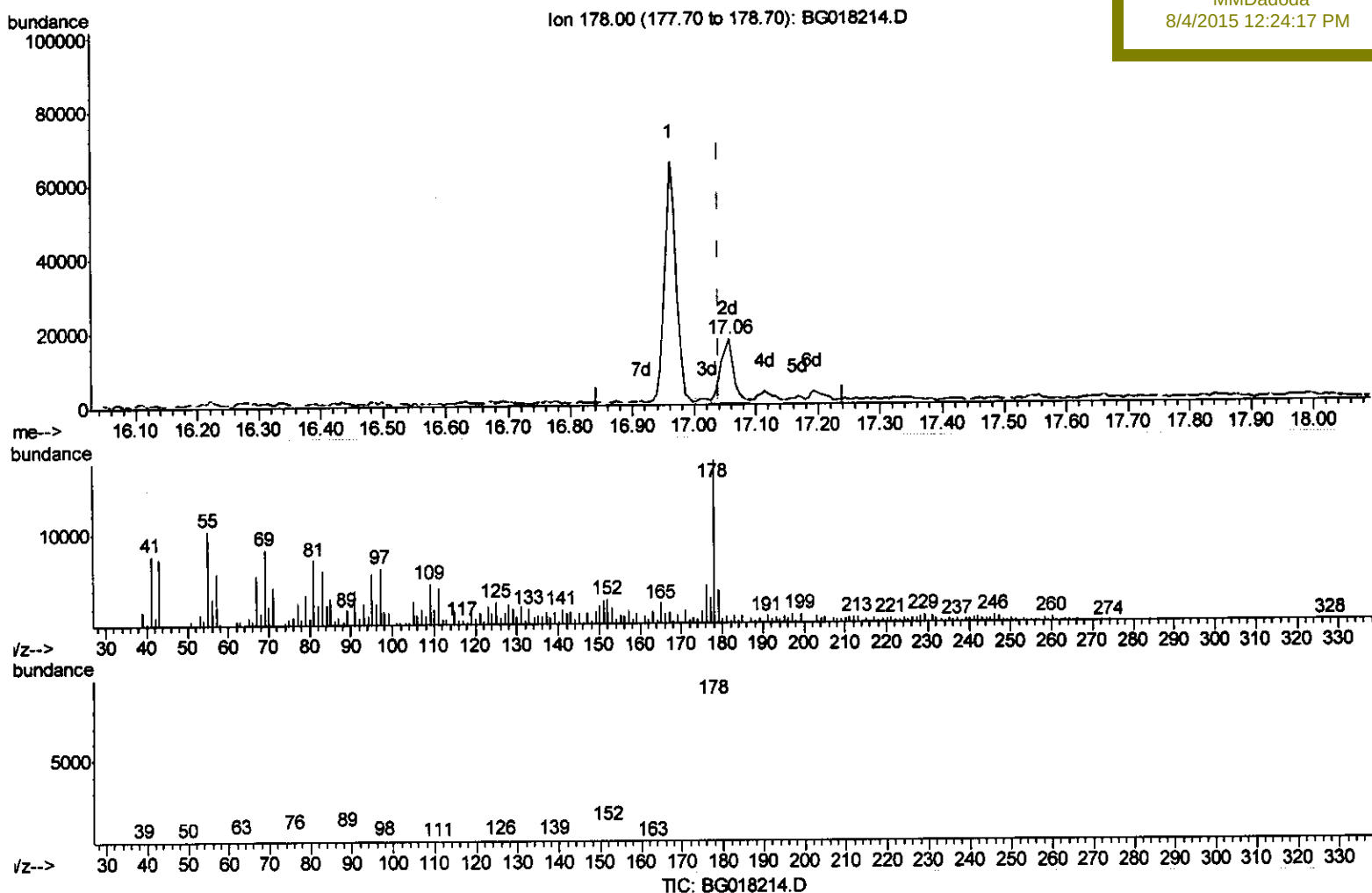
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 04:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(72) Anthracene

17.056min (+0.014) 2.59ng/ul m

response 25814

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	21.50#
176.00	18.50	24.11#
0.00	0.00	0.00

T.P
 08/05/15

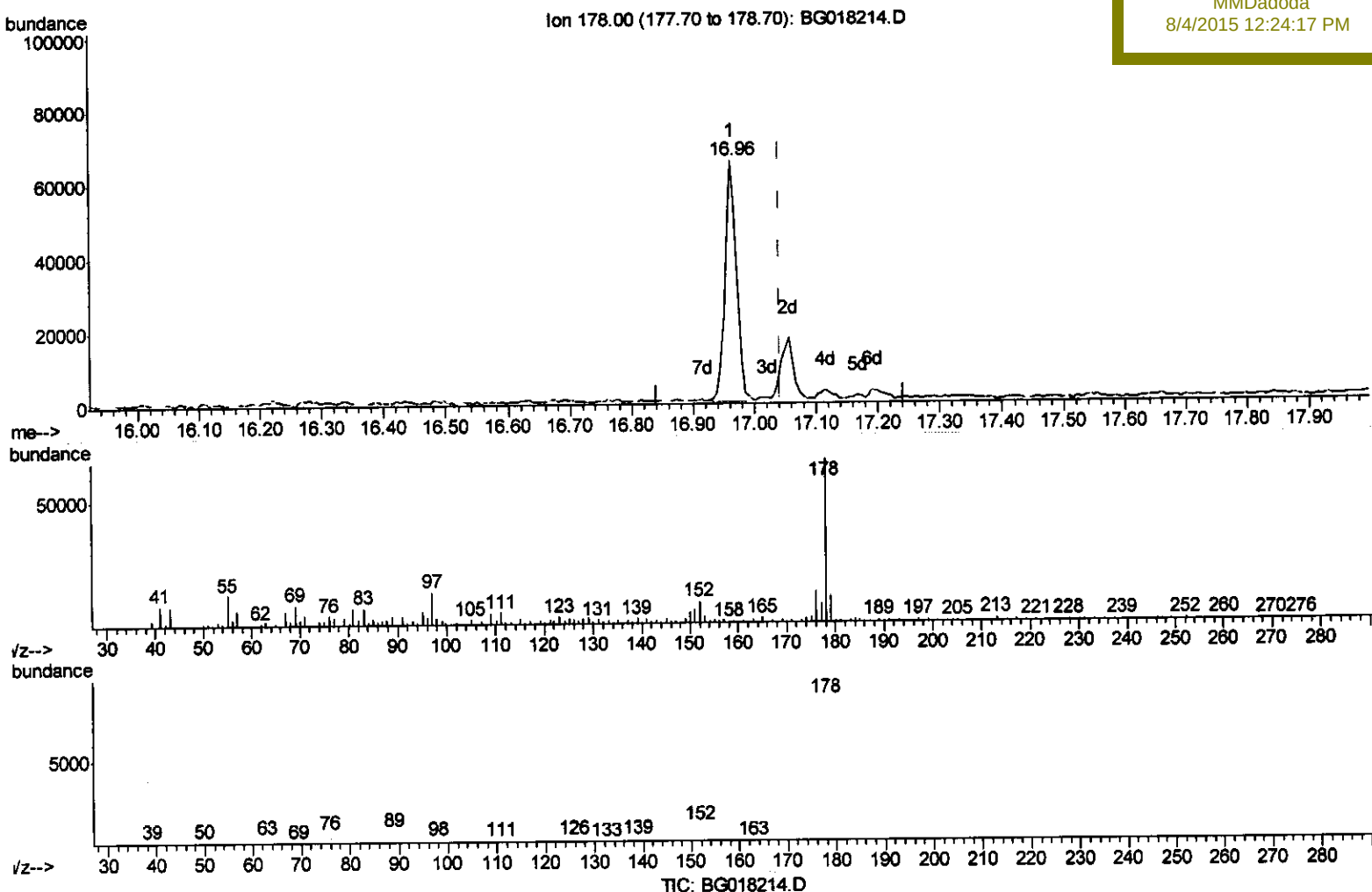
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 04:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 OLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(72) Anthracene

16.962min (-0.080) 8.52ng/ul

response 84777

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	16.64
176.00	18.50	19.11
0.00	0.00	0.00

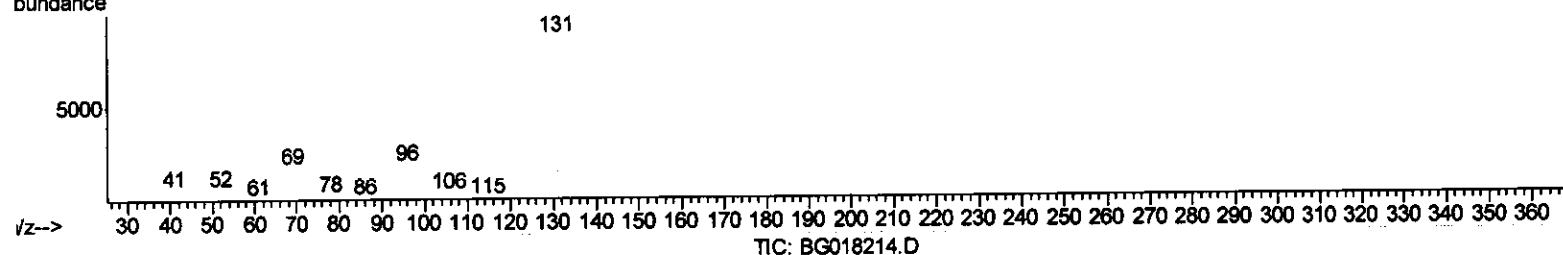
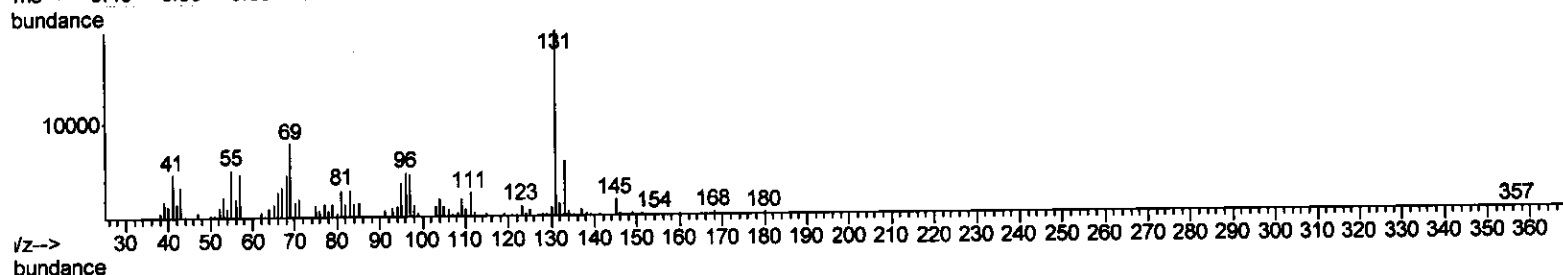
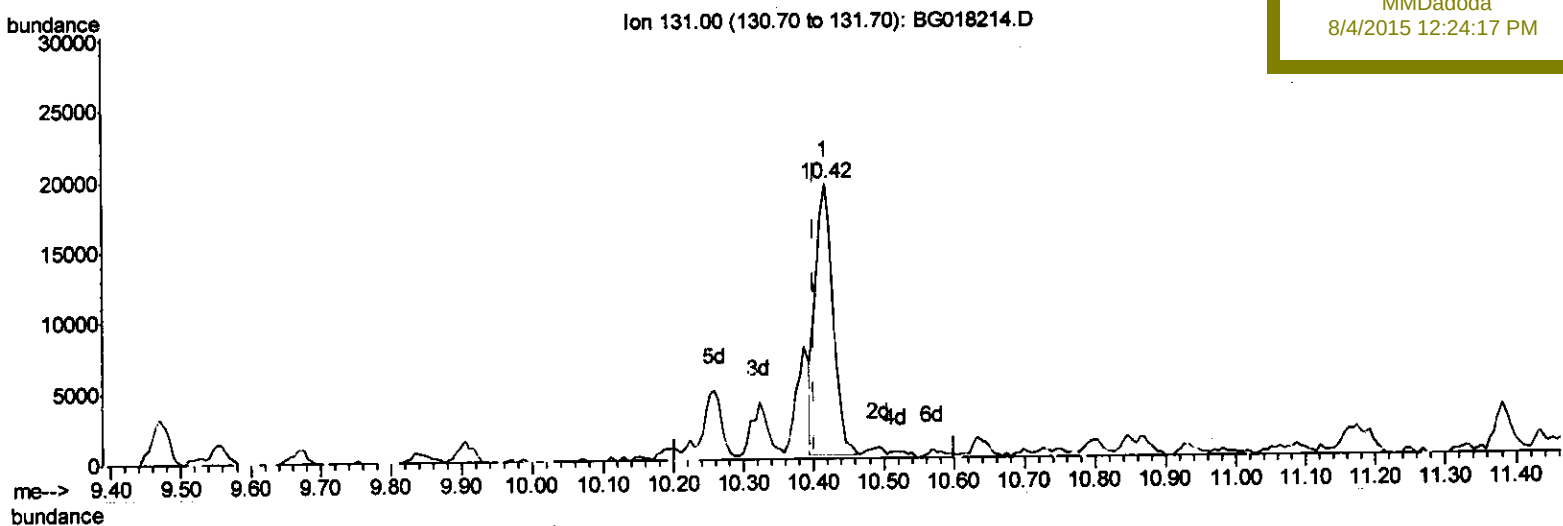
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 04:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(29) 4-Chloroaniline-d4 (S)

10.417min (+0.014) 7.55ng/ul m

response 33780

Ion	Exp%	Act%
131.00	100	100
133.00	31.20	30.24
69.00	12.40	40.08#
0.00	0.00	0.00

T. P
08/05/15

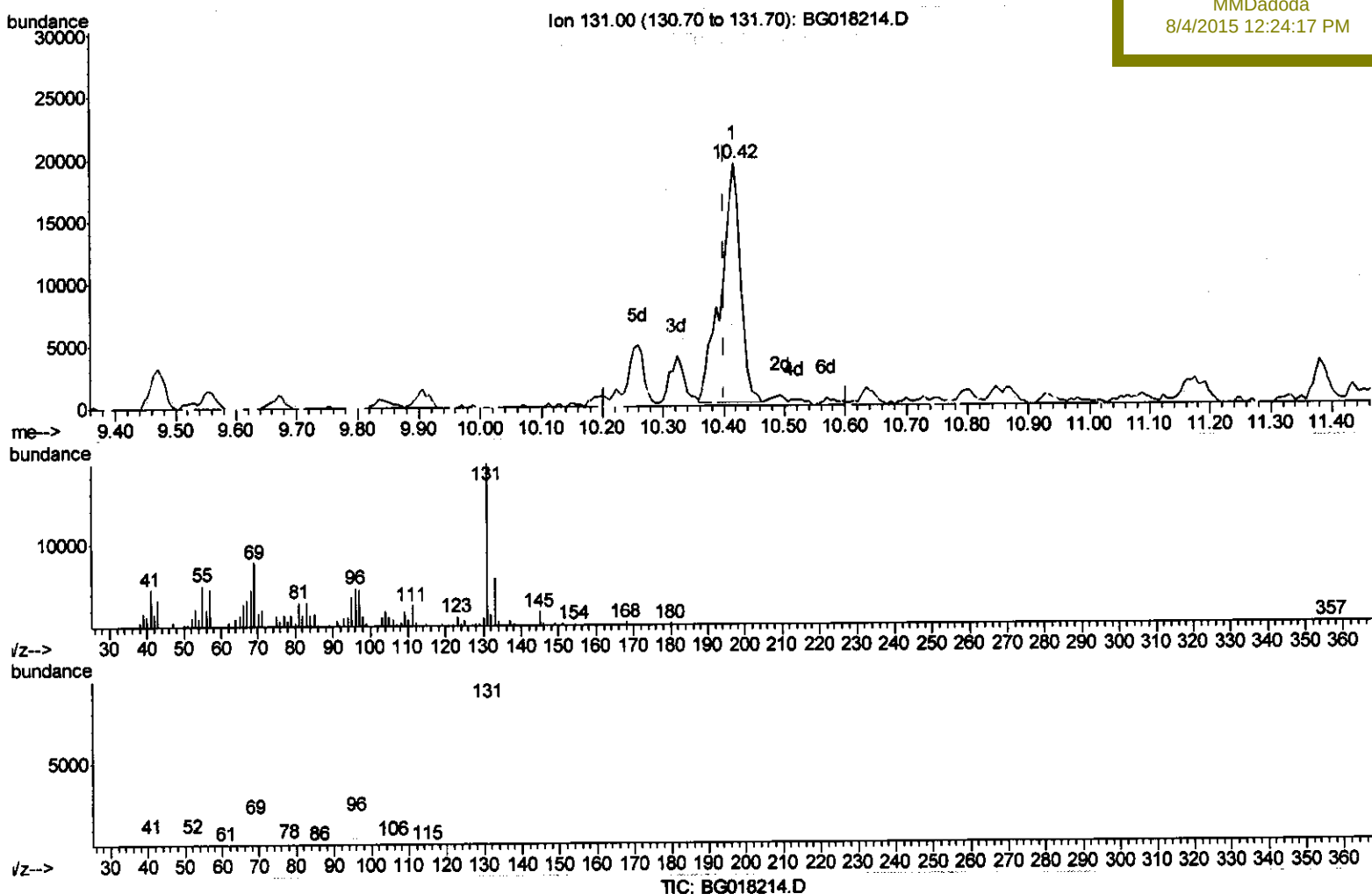
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 04:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(29) 4-Chloroaniline-d4 (S)

10.417min (+0.014) 9.74ng/ul

response 43583

Ion	Exp%	Act%
131.00	100	100
133.00	31.20	30.24
69.00	12.40	40.08#
0.00	0.00	0.00

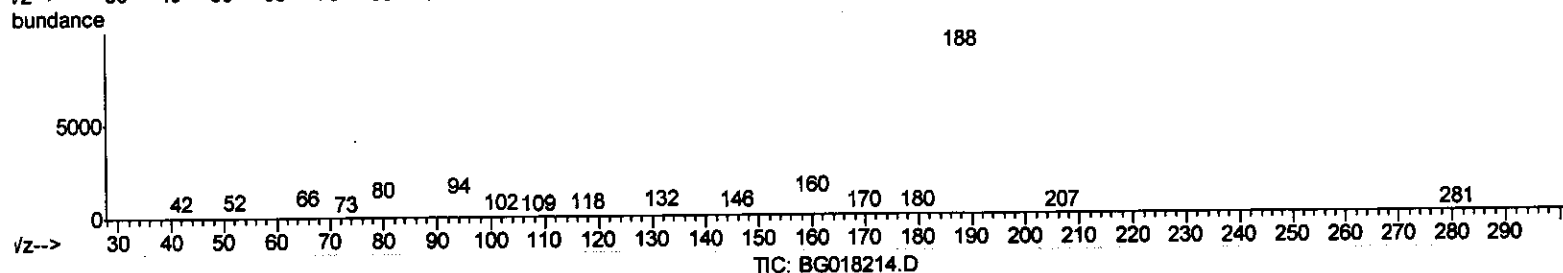
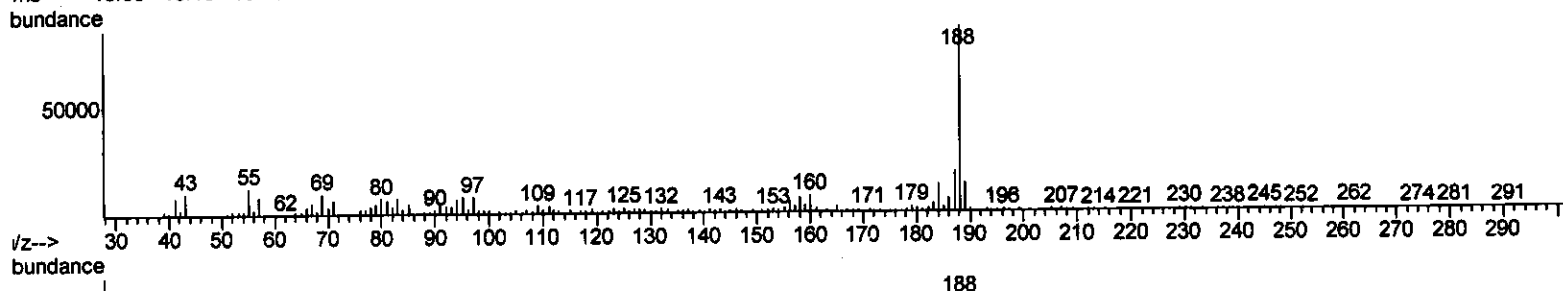
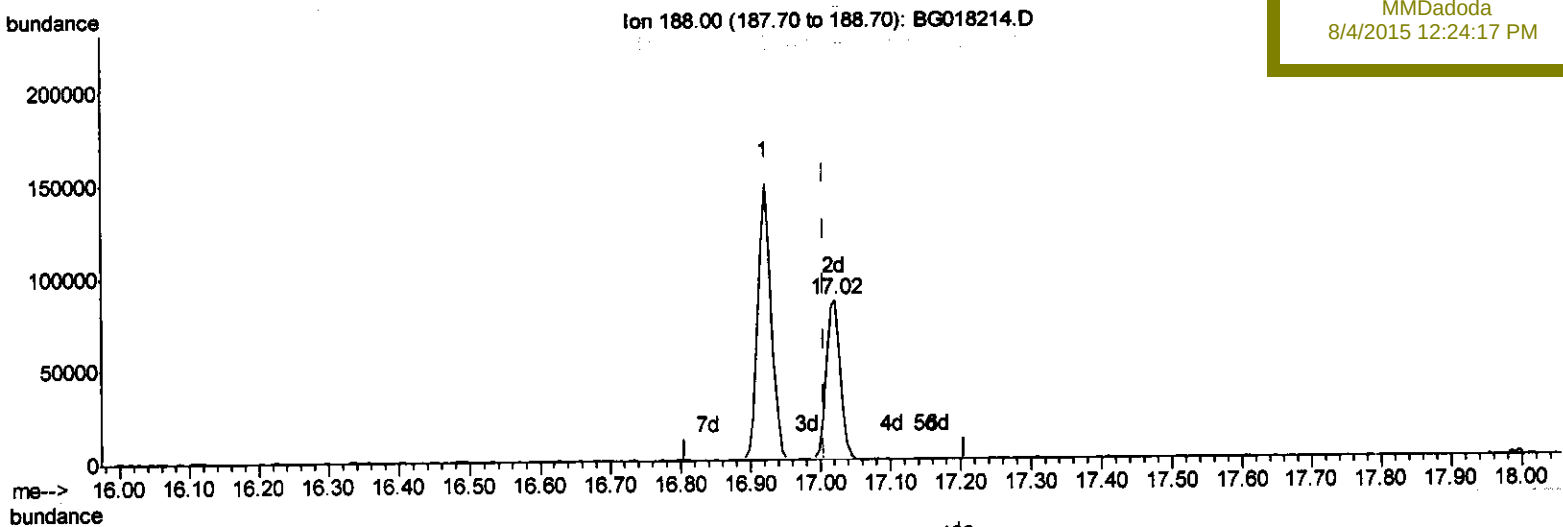
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 02:00:39 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(71) Anthracene-d10 (S)
 17.021min (+0.014) 14.28ng/ul m
 response 122280

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	8.32
80.00	6.10	8.82#
0.00	0.00	0.00

T. P
 8/10/15

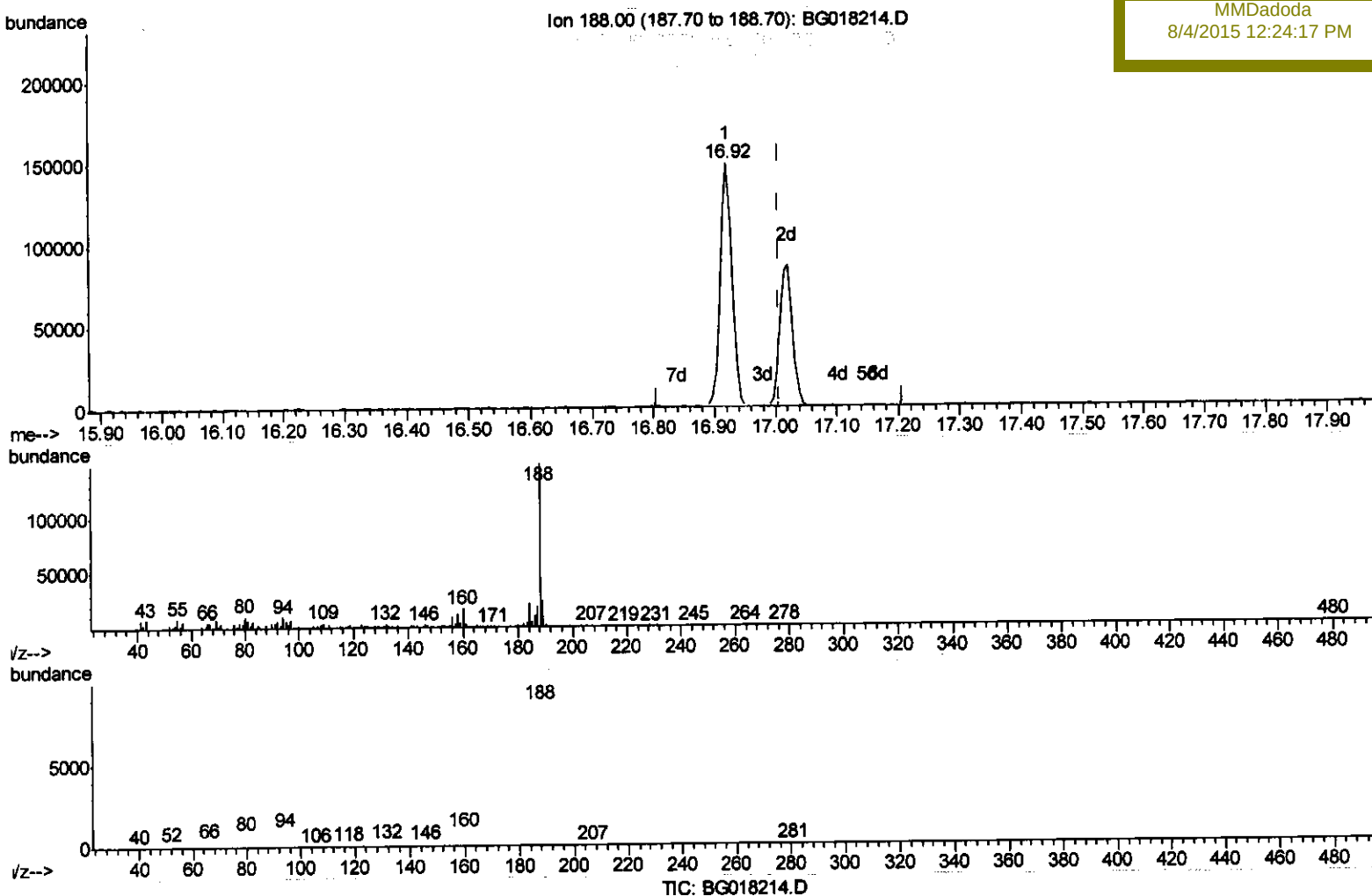
Data Path : Z:\HPCHEM1\BNA G\DATA\BG073115\
 Data File : BG018214.D
 Acq On : 1 Aug 2015 11:03
 Operator : TP/UM
 Sample : G3073-09
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Quant Time: Aug 03 02:00:39 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 01 07:09:30 2015
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 C01Q2

Manual Integrations
 APPROVED

MMDadoda
 8/4/2015 12:24:17 PM



(71) Anthracene-d10 (S)

16.921min (-0.086) 23.00ng/ul

response 196967

Ion	Exp%	Act%
188.00	100	100
94.00	8.10	6.67
80.00	6.10	7.08
0.00	0.00	0.00