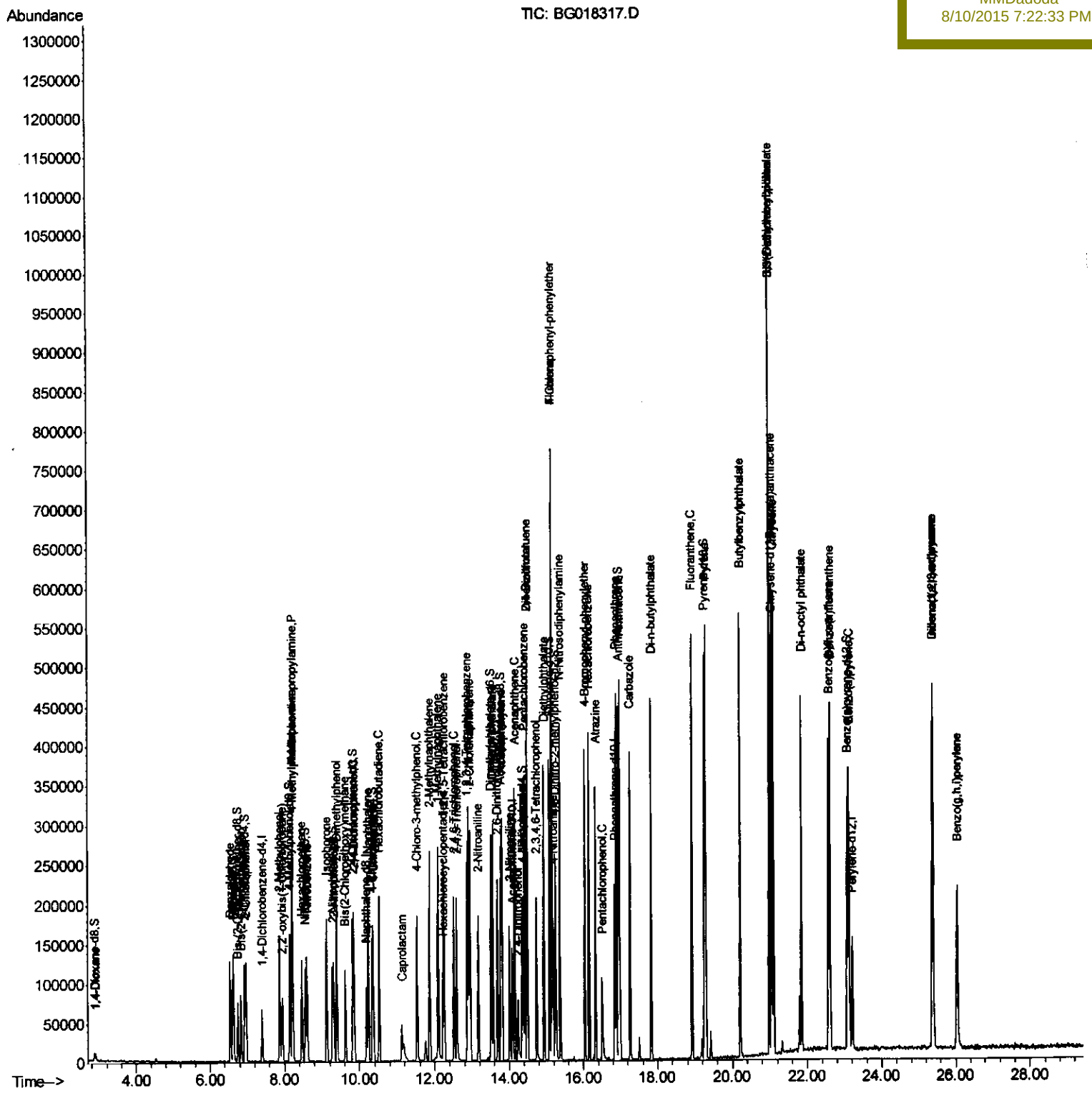
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 08:06:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:22:33 PM



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
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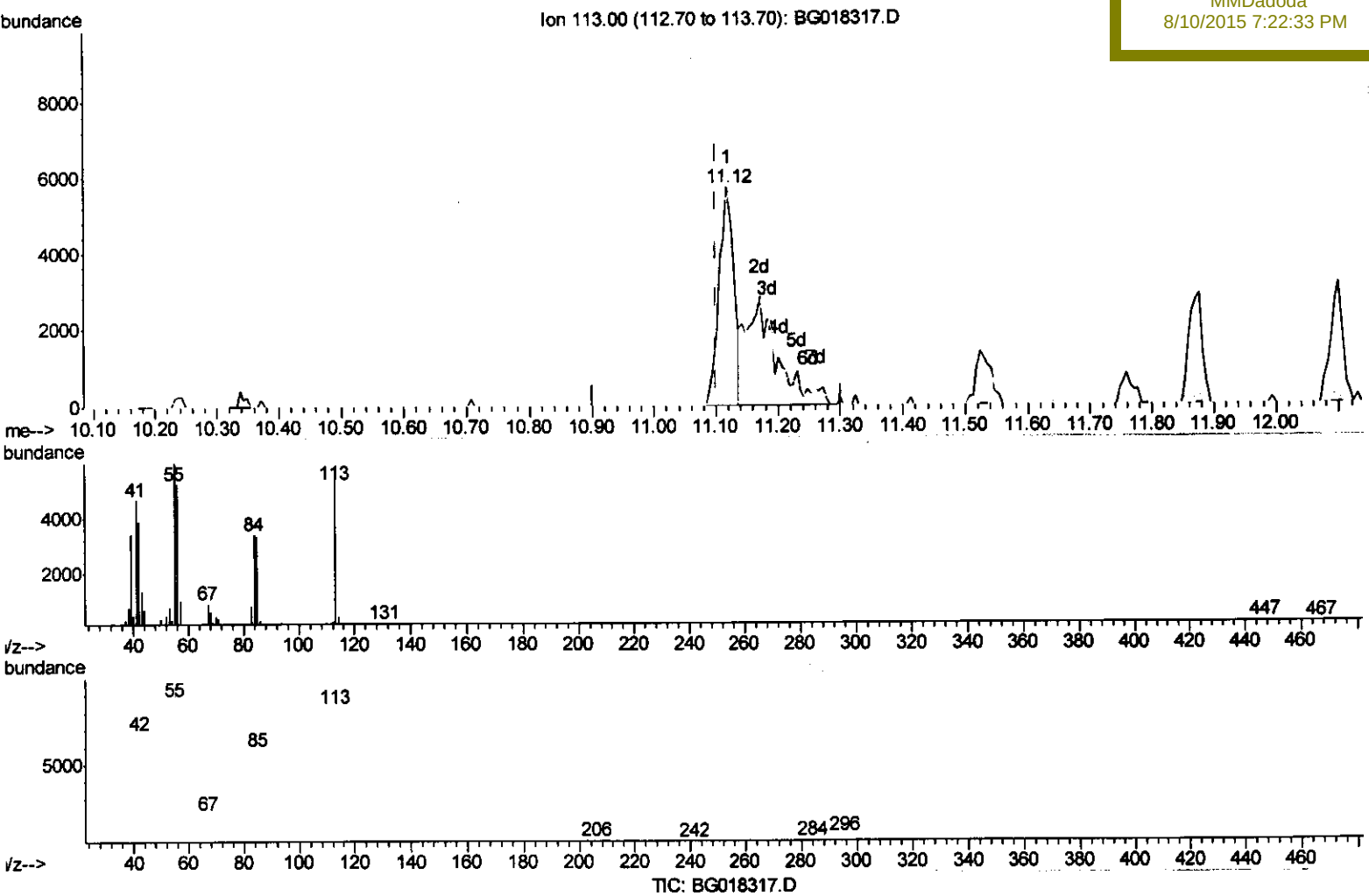

(32) Caprolactam

11.119min (+0.018) 18.88ng/ul

response 9447

Ion	Exp%	Act%
113.00	100	100
55.00	120.80	104.56
56.00	112.30	91.02
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
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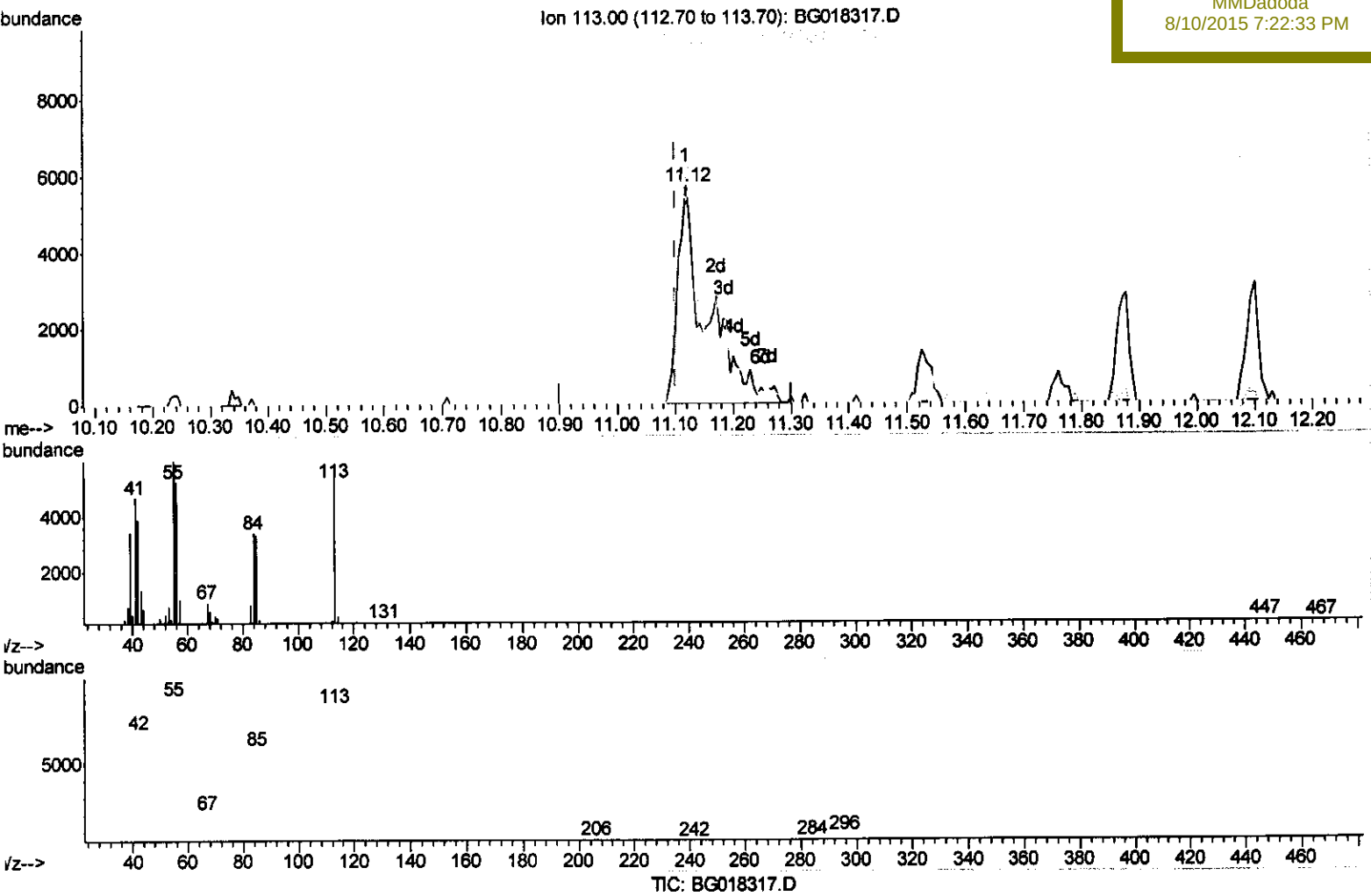

(32) Caprolactam

11.119min (+0.018) 38.25ng/ul m > U·M 08/11/15

response 19136

Ion	Exp%	Act%
113.00	100	100
55.00	120.80	104.56
56.00	112.30	91.02
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
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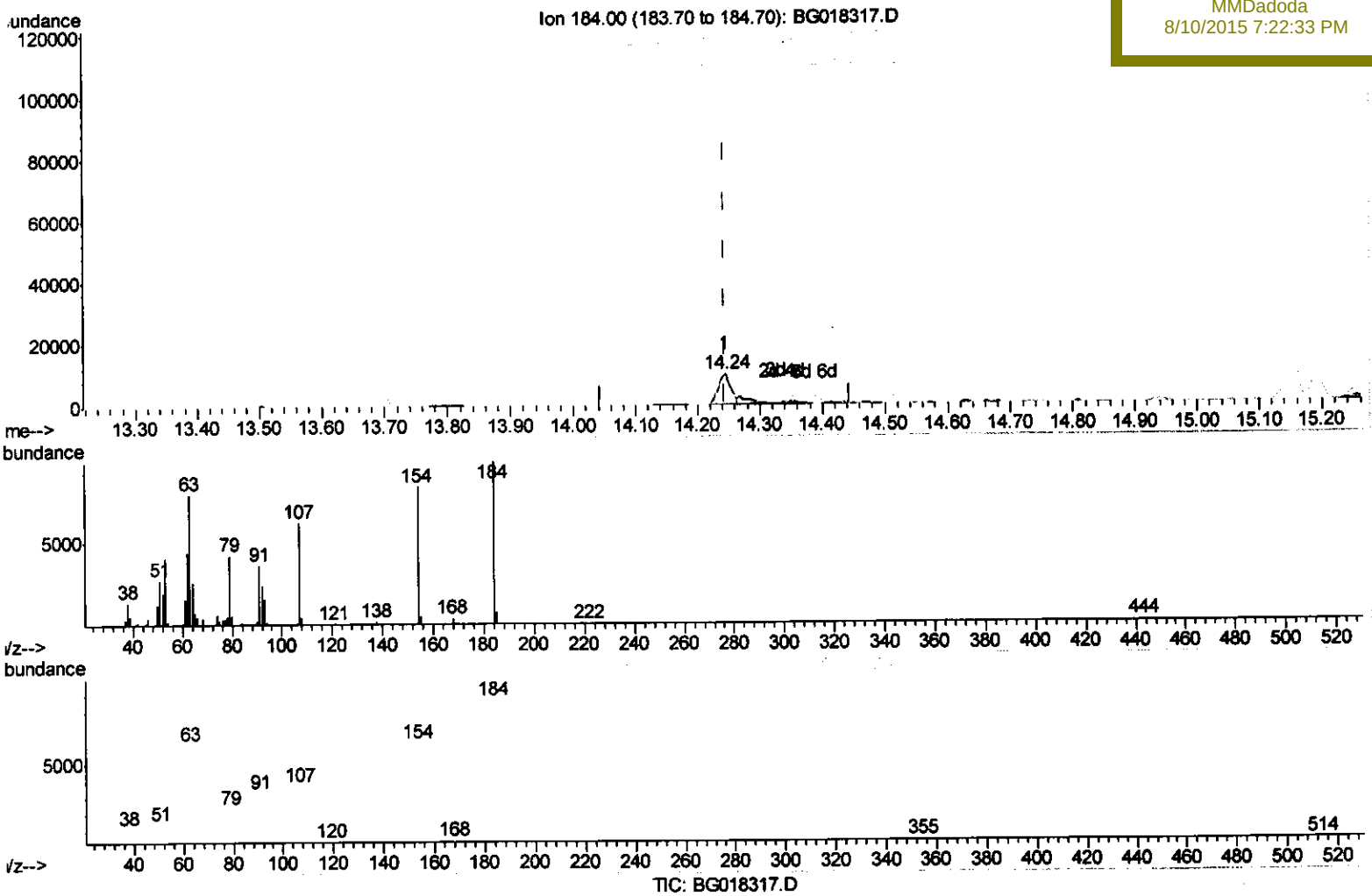

(51) 2,4-Dinitrophenol

14.244min (+0.000) 33.30ng/ul

response 13471

Ion	Exp%	Act%
184.00	100	100
63.00	61.40	80.80#
154.00	62.00	85.14#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
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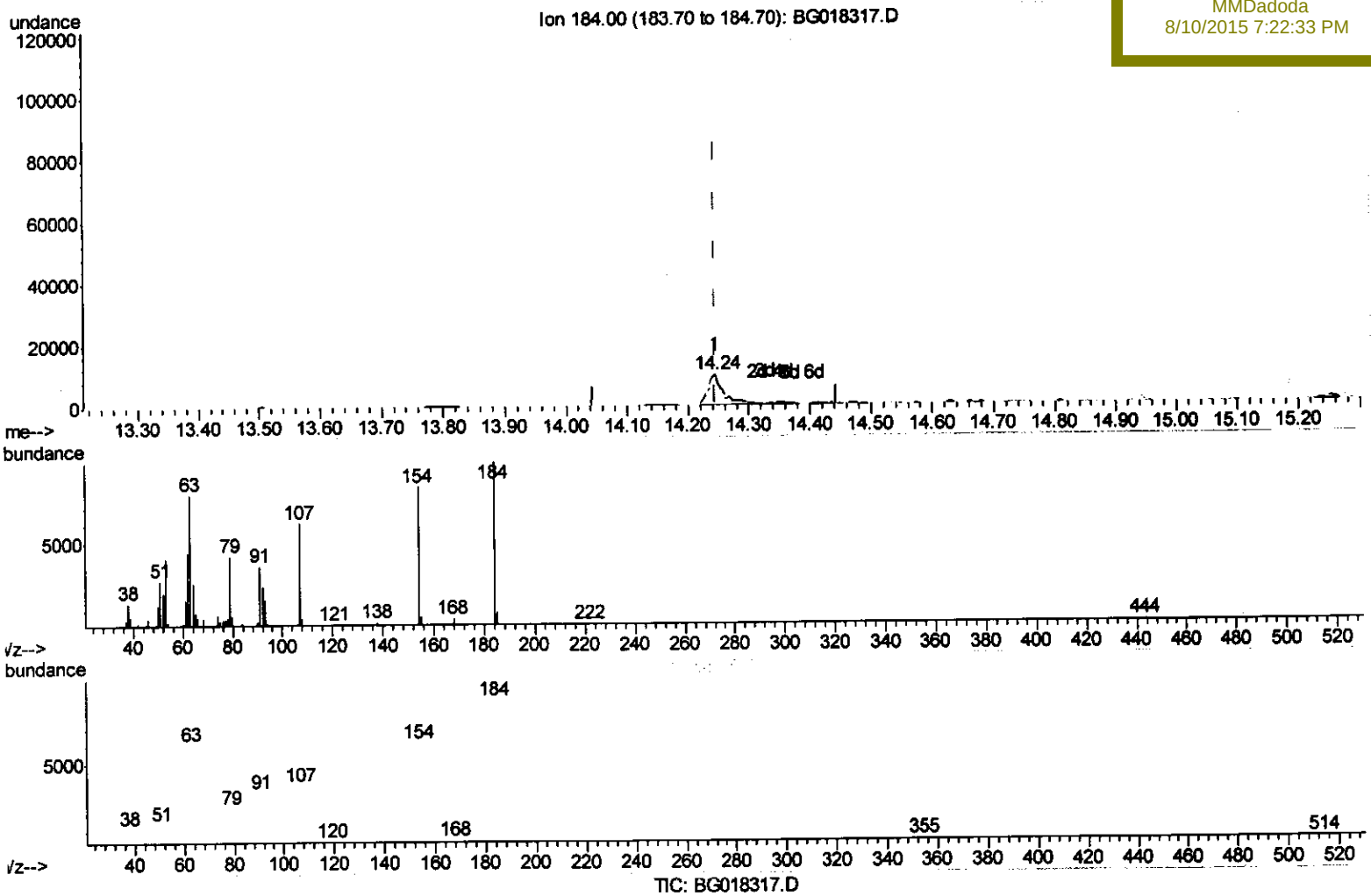

(51) 2,4-Dinitrophenol

14.244min (+0.000) 41.01ng/ul m > U.M 08/11/15

response 16588

Ion	Exp%	Act%
184.00	100	100
63.00	61.40	80.80#
154.00	62.00	85.14#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
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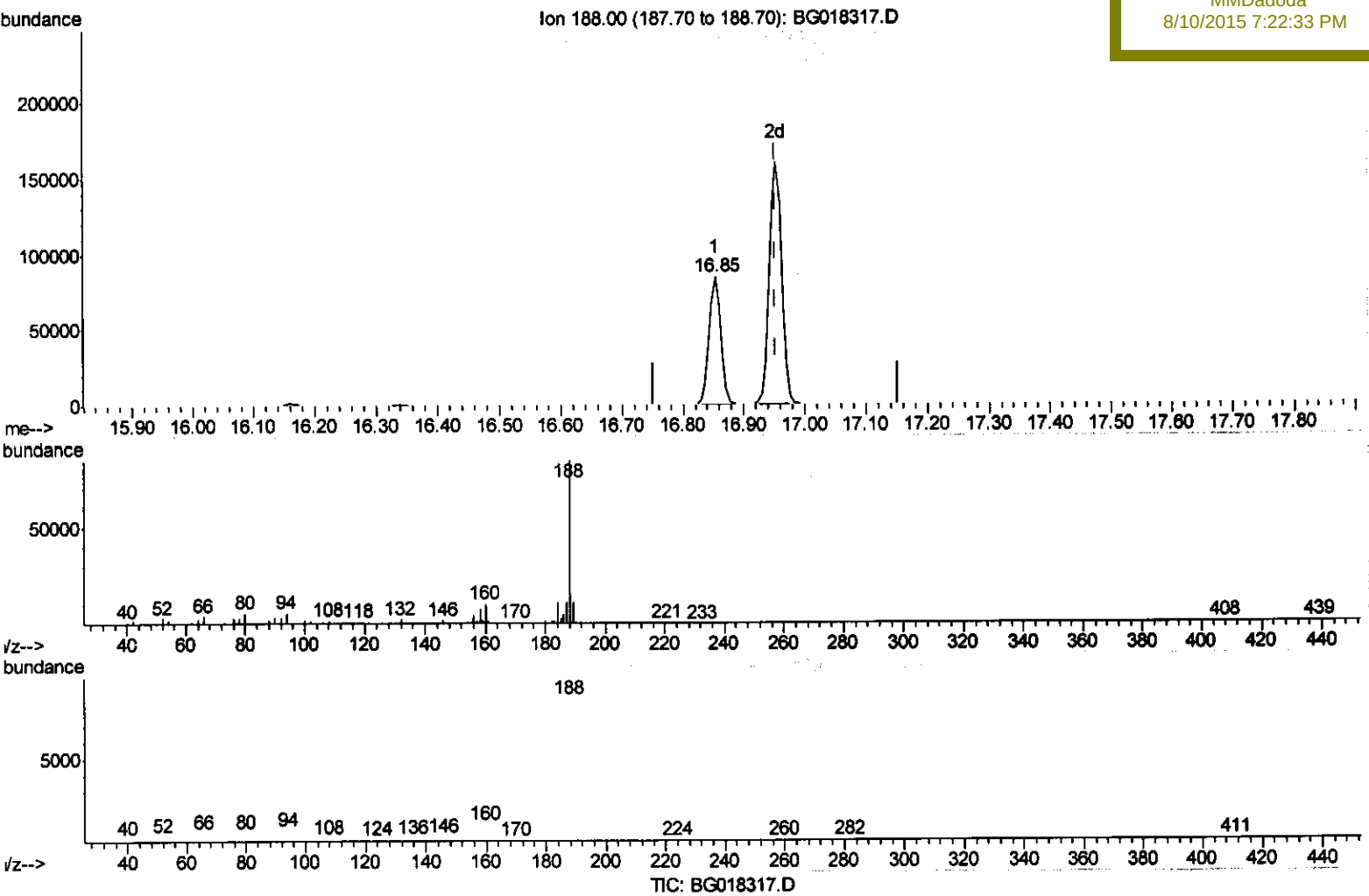

(71) Anthracene-d10 (S)

16.853min (-0.100) 18.53ng/ul

response 111025

Ion	Exp%	Act%
188.00	100	100
94.00	6.70	6.65
80.00	5.40	6.46
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
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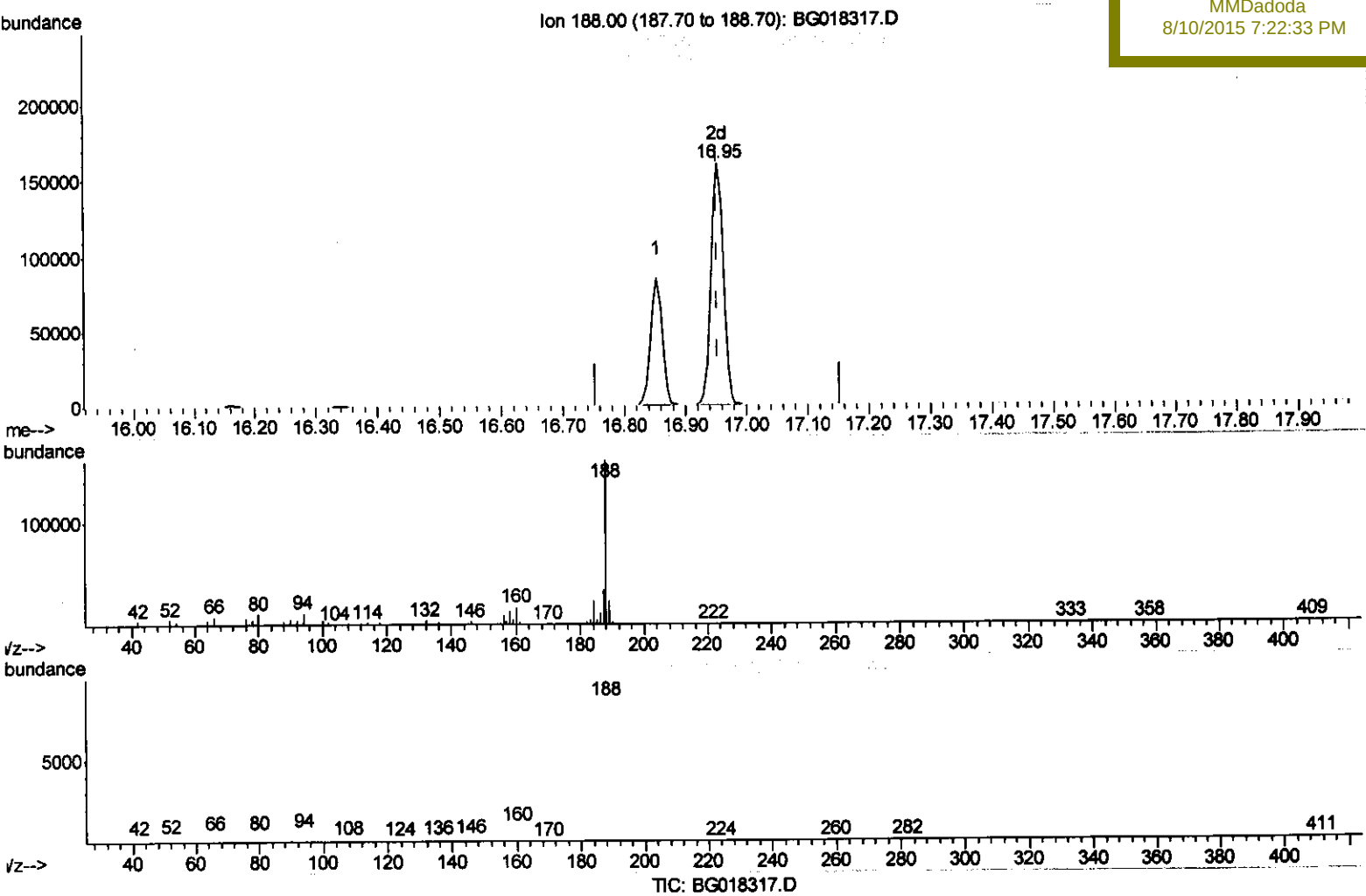


(71) Anthracene-d10 (S)

16.953min (+0.000) 37.31ng/ul m > U.M 08/11/15

response 223482

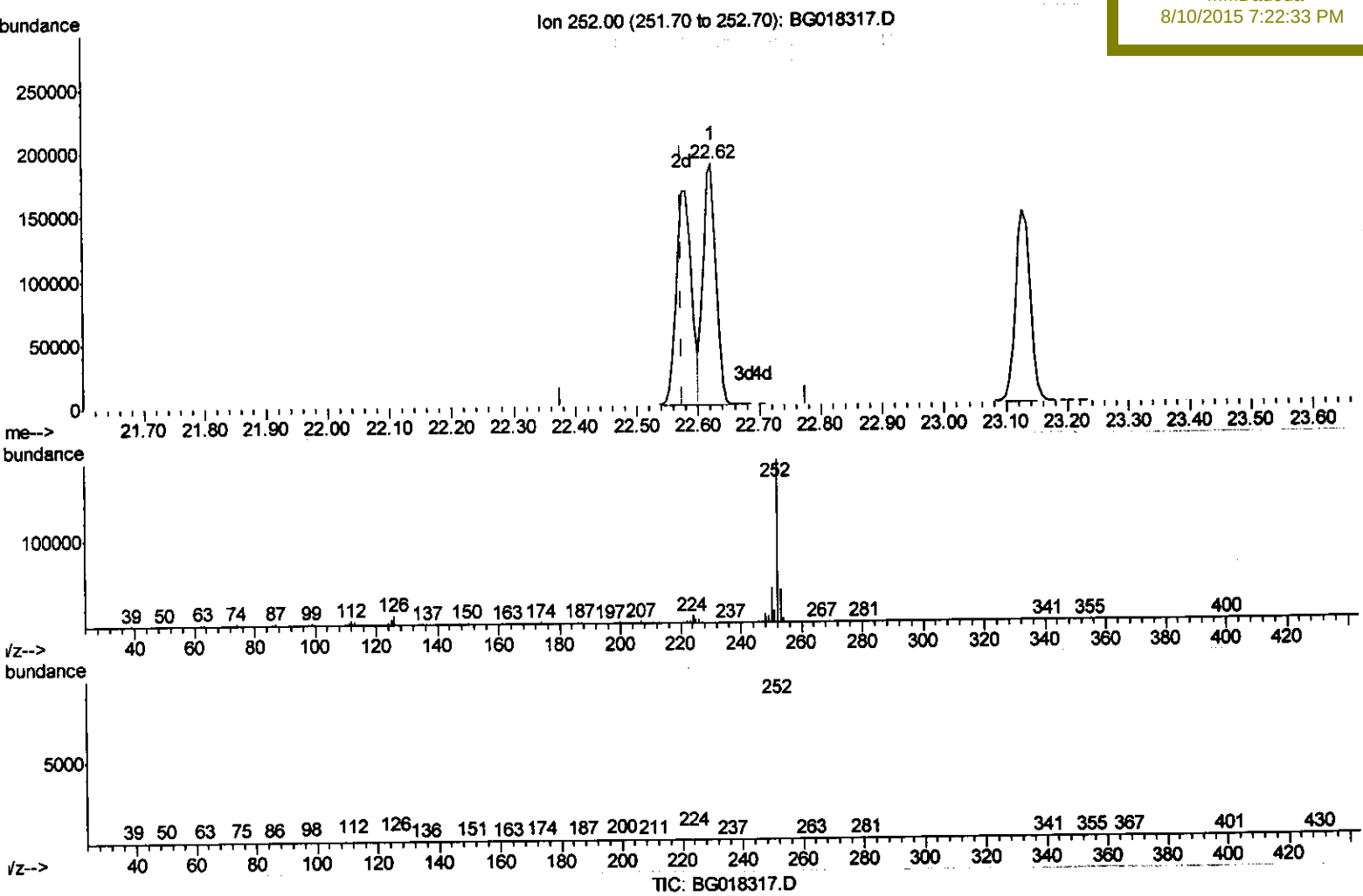
Ion	Exp%	Act%
188.00	100	100
94.00	6.70	6.97
80.00	5.40	6.78#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:22:33 PM



(88) Benzo(b)fluoranthene

22.623min (+0.047) 35.73ng/ul

response 272035

Ion	Exp%	Act%
252.00	100	100
253.00	20.30	20.85
125.00	3.00	3.21
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
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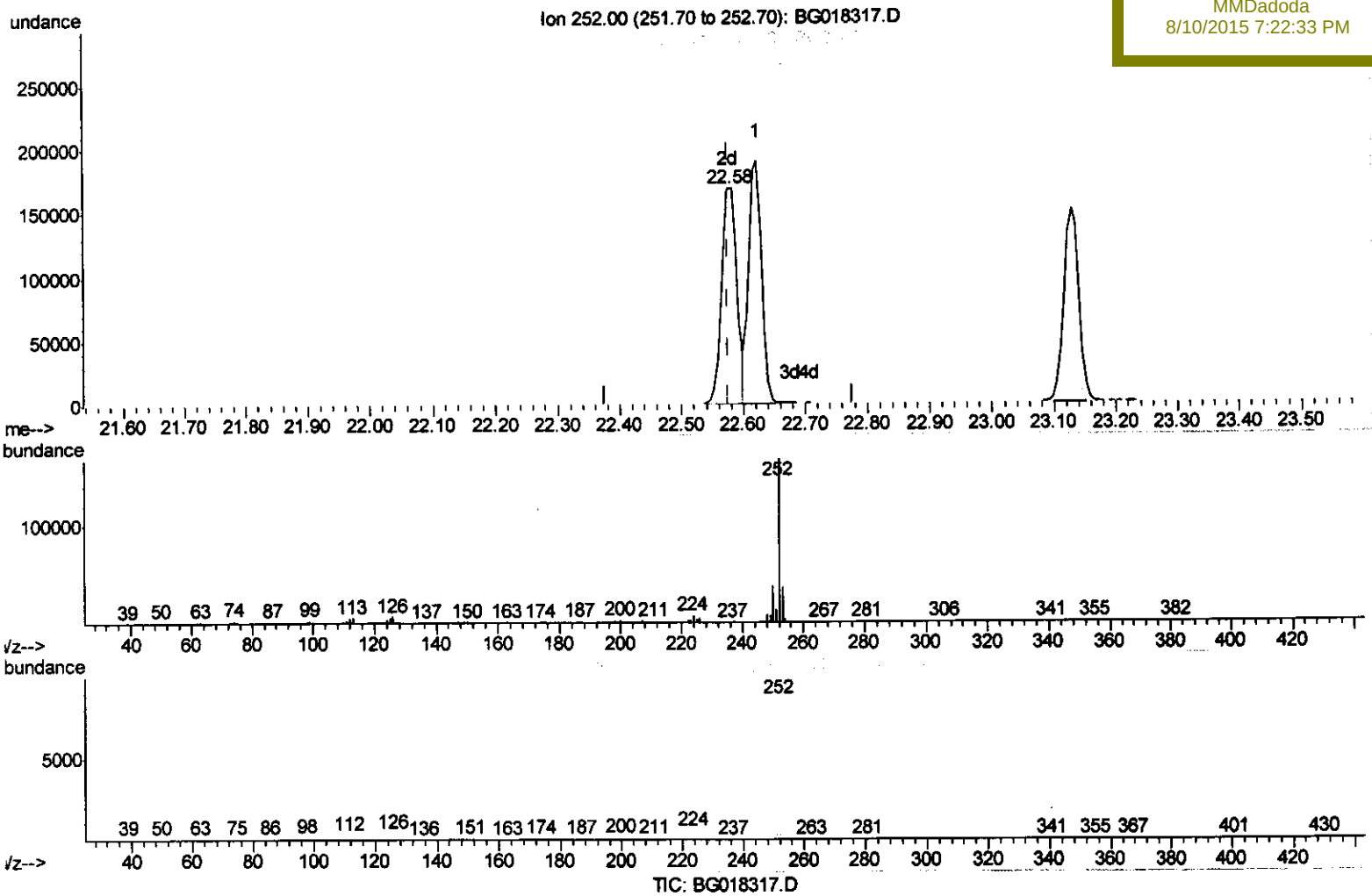


(88) Benzo(b)fluoranthene

22.576min (+0.000) 38.08ng/ul m > U.M 08/11/15

response 289906

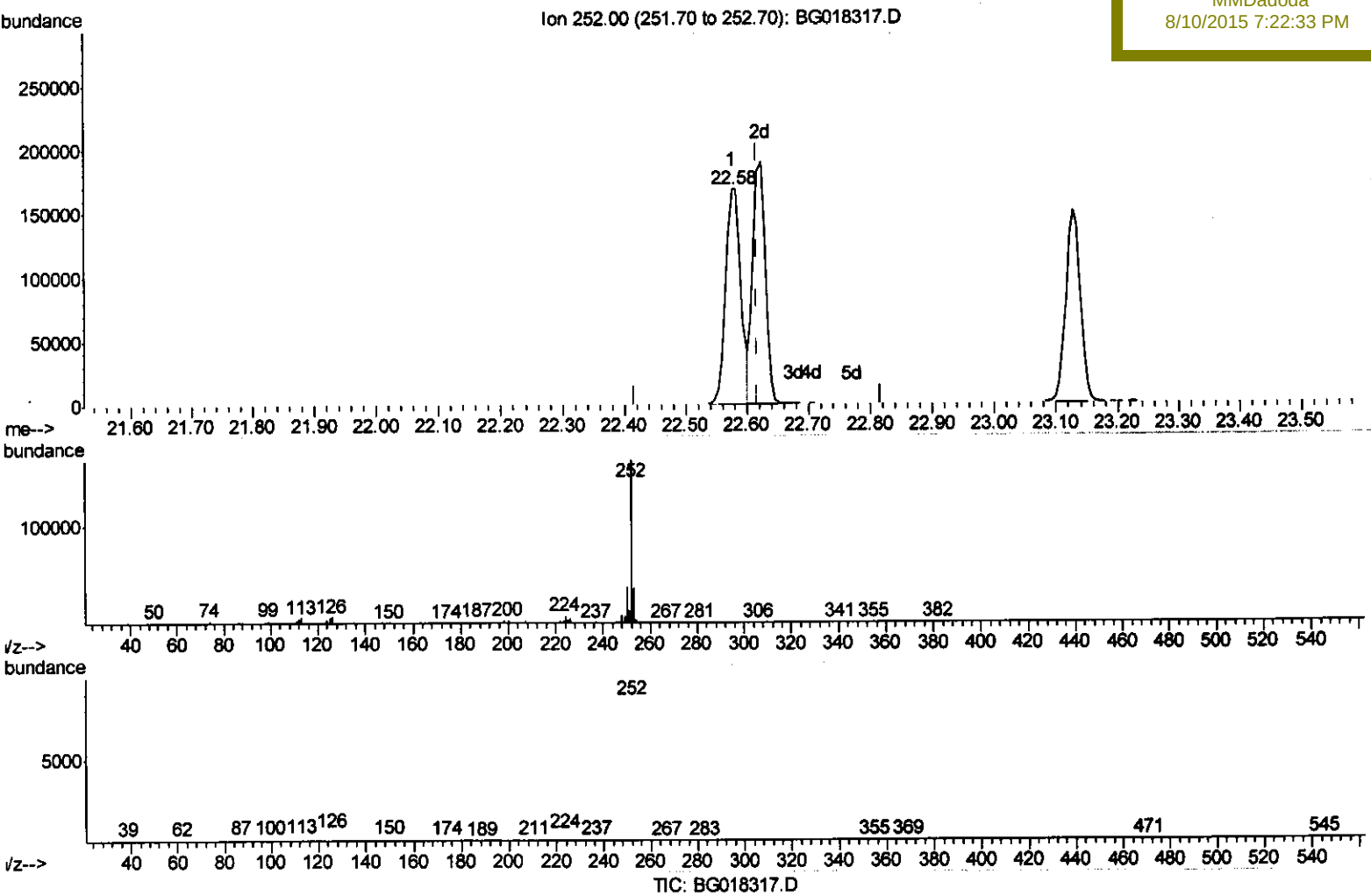
Ion	Exp%	Act%
252.00	100	100
253.00	20.30	21.21
125.00	3.00	3.61#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:22:33 PM



TIC: BG018317.D

(89) Benzo(k)fluoranthene

22.576min (-0.041) 39.87ng/ul

response 289961

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	21.21
125.00	4.10	3.61
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
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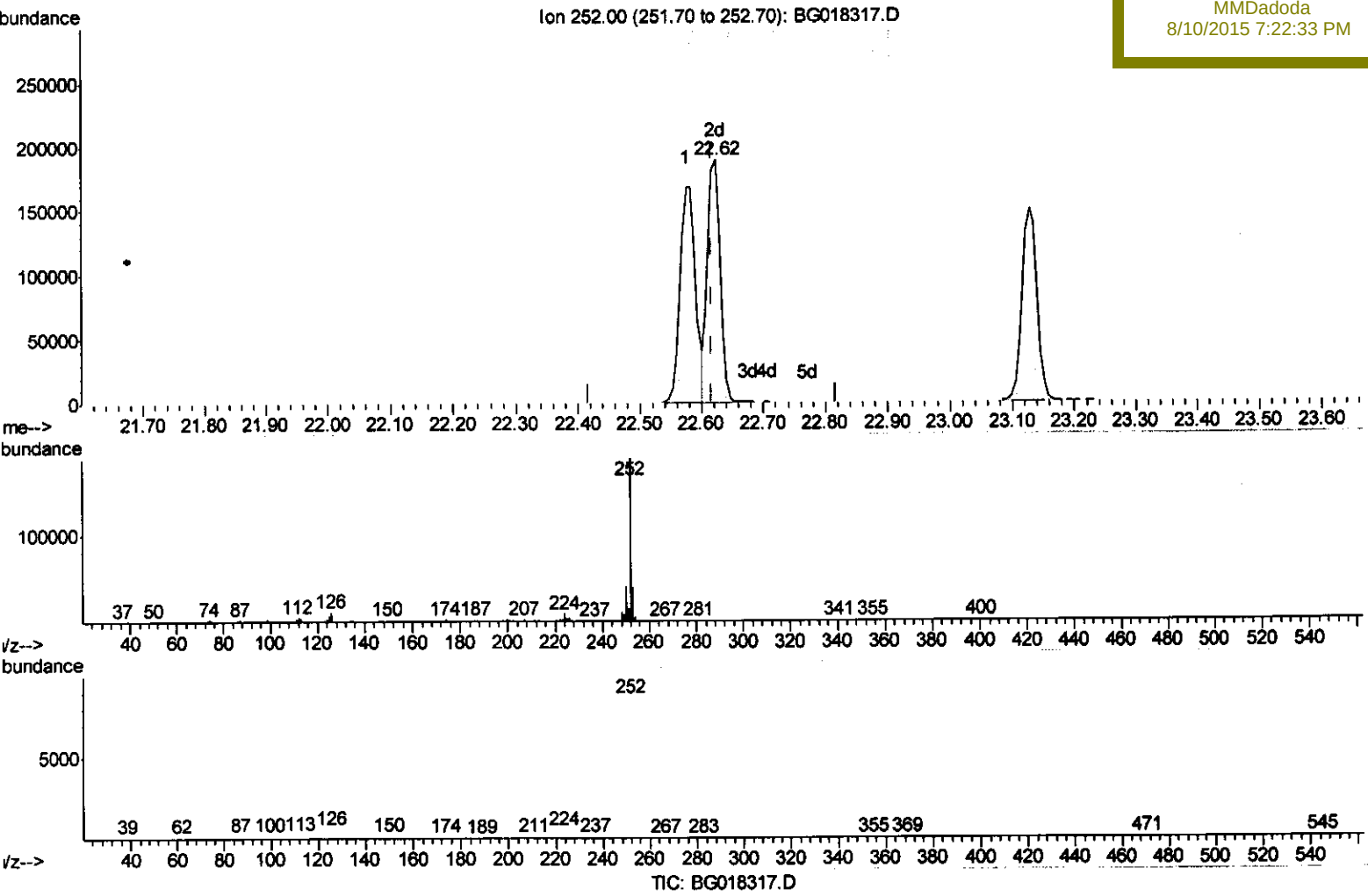


(89) Benzo(k)fluoranthene

22.623min (+0.006) 37.38ng/ul m

response 271837

U.M 08/11/15

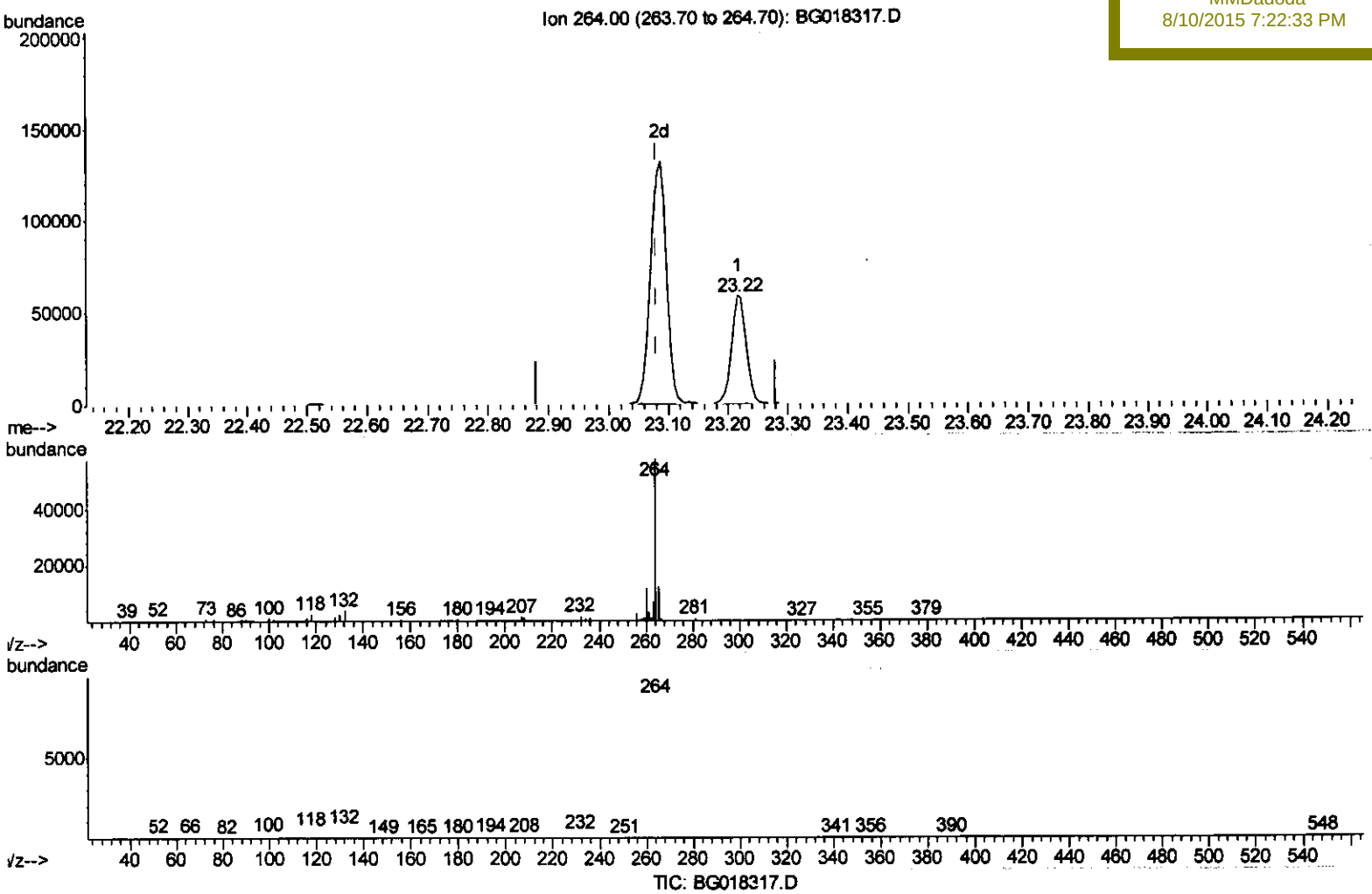
Ion	Exp%	Act%
252.00	100	100
253.00	21.70	20.85
125.00	4.10	3.21#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:22:33 PM



(90) Benzo(a)pyrene-d12 (S)

23.216min (+0.135) 15.28ng/ul

response 99327

Ion	Exp%	Act%
264.00	100	100
132.00	6.80	6.88
118.00	5.30	4.69
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 07:51:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
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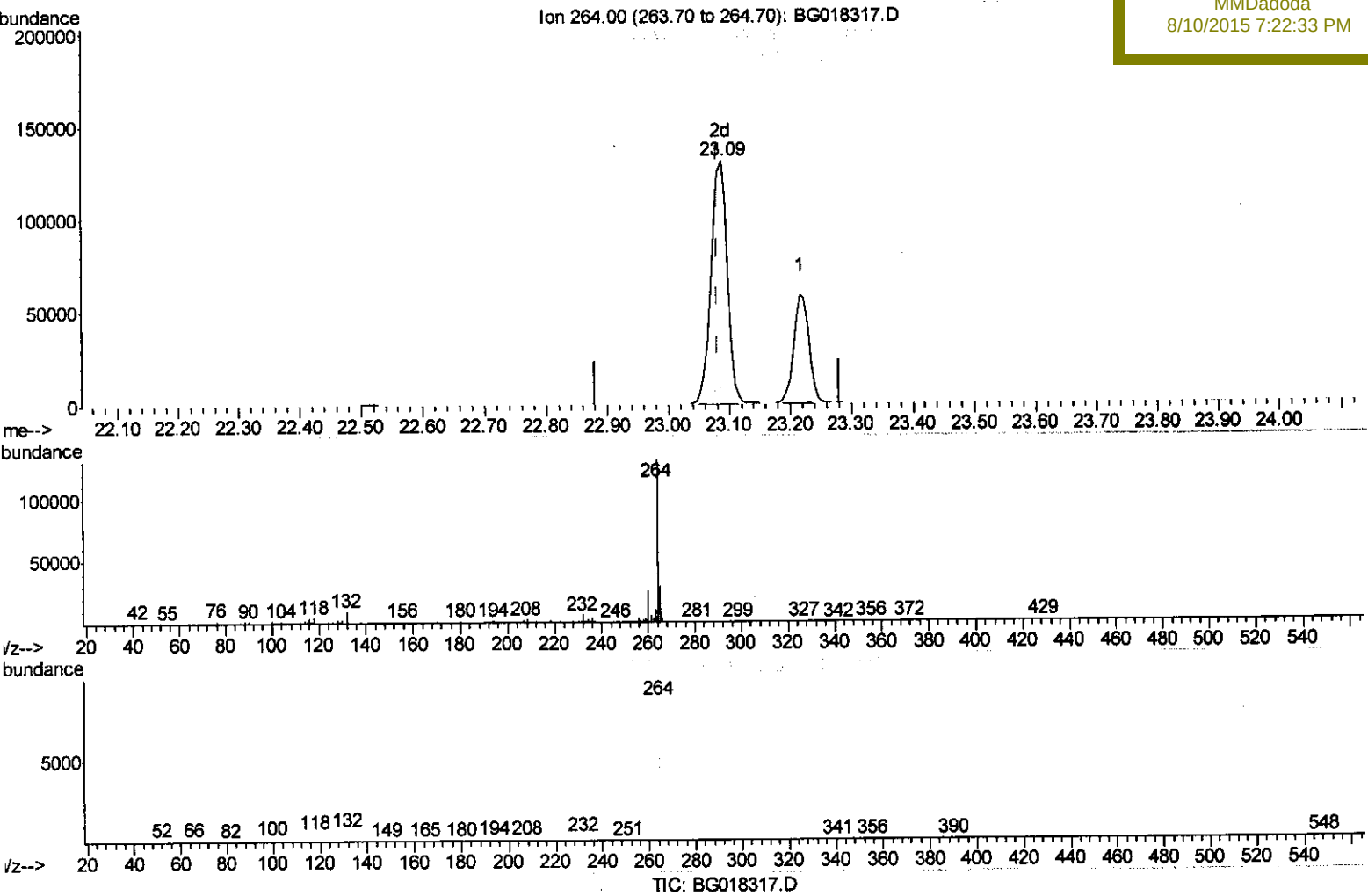

(90) Benzo(a)pyrene-d12 (S)

23.087min (+0.006) 37.03ng/ul m

response 240691

U.M 08/11/15

Ion	Exp%	Act%
264.00	100	100
132.00	6.80	7.08
118.00	5.30	3.34#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 08:06:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : SSTD04075

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.40	152	14218	20.00	ng/ul	0.00	
18) Naphthalene-d8	10.18	136	62262	20.00	ng/ul	0.00	
36) Acenaphthene-d10	14.09	164	42928	20.00	ng/ul	0.00	
62) Phenanthrene-d10	16.85	188	111025	20.00	ng/ul	0.00	
78) Chrysene-d12	21.07	240	111594	20.00	ng/ul	0.00	
86) Perylene-d12	23.22	264	100487	20.00	ng/ul	0.00	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	2.87	96	4065	15.27	ng/uL	0.00	
5) Phenol-d5	6.61	99	49901	38.39	ng/ul	0.00	
7) Bis-(2-Chloroethyl)ether-d	6.75	67	28524	38.29	ng/ul	0.00	
9) 2-Chlorophenol-d4	6.95	132	39271	36.07	ng/ul	0.00	
13) 4-Methylphenol-d8	8.15	113	42391	37.93	ng/ul	0.00	
19) Nitrobenzene-d5	8.56	128	19758	34.97	ng/ul	0.00	
22) 2-Nitrophenol-d4	9.29	143	23449	35.90	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	9.83	165	44347	36.80	ng/ul	0.00	
29) 4-Chloroaniline-d4	10.34	131	56859	42.52	ng/ul	0.00	
44) Dimethylphthalate-d6	13.52	166	155006	35.82	ng/ul	0.00	
47) Acenaphthylene-d8	13.78	160	172399	36.04	ng/ul	0.00	
52) 4-Nitrophenol-d4	14.36	143	21352	38.11	ng/ul	0.00	
58) Fluorene-d10	15.10	176	139629	36.82	ng/ul	0.00	
63) 4,6-Dinitro-2-methylphenol	15.25	200	32774	39.82	ng/ul	0.00	U.M 08/11/15
71) Anthracene-d10	16.95	188	223482m	37.31	ng/ul	0.00	
79) Pyrene-d10	19.27	212	233994	36.24	ng/ul	0.00	
90) Benzo(a)pyrene-d12	23.09	264	240691m	37.03	ng/ul	0.00	U.M 08/11/15
Target Compounds						Qvalue	
2) 1,4-Dioxane	2.90	88	4069	12.32	ng/uL#	79	
4) Benzaldehyde	6.55	77	38517	45.26	ng/ul	91	
6) Phenol	6.64	94	52349	39.55	ng/ul	95	
8) Bis(2-Chloroethyl)ether	6.84	93	35160	36.09	ng/ul	97	
10) 2-Chlorophenol	6.98	128	38105	35.60	ng/ul#	93	
11) 2-Methylphenol	7.88	108	39646	37.68	ng/ul#	75	
12) 2,2'-oxybis(1-Chloropropan	7.95	45	34638	39.73	ng/ul#	86	
14) Acetophenone	8.23	105	69564	37.85	ng/ul	96	
15) N-Nitroso-di-n-propylamine	8.22	70	41676	36.84	ng/ul#	81	
16) 4-Methylphenol	8.20	108	46231	39.47	ng/ul	89	
17) Hexachloroethane	8.46	117	20141	36.26	ng/ul	97	
20) Nitrobenzene	8.60	77	63795	40.03	ng/ul	98	
21) Isophorone	9.13	82	111459	37.58	ng/ul	97	
23) 2-Nitrophenol	9.31	139	24530	36.17	ng/ul#	83	
24) 2,4-Dimethylphenol	9.40	107	60987	37.36	ng/ul	98	
25) Bis(2-Chloroethoxy)methane	9.62	93	53950	38.33	ng/ul	92	
27) 2,4-Dichlorophenol	9.86	162	45050	39.40	ng/ul	93	
28) Naphthalene	10.24	128	129663	36.29	ng/ul	97	
30) 4-Chloroaniline	10.37	127	54065	42.18	ng/ul	99	
31) Hexachlorobutadiene	10.52	225	35517	35.94	ng/ul#	76	
32) Caprolactam	11.12	113	19136m	38.25	ng/ul		U.M 08/11/15
33) 4-Chloro-3-methylphenol	11.52	107	56266	36.78	ng/ul#	83	
34) 2-Methylnaphthalene	11.87	142	103966	36.85	ng/ul	93	

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 08:06:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : SSTD04075

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.09	142	102086	36.45	ng/ul#	88
37) 1,2,4,5-Tetrachlorobenzene	12.26	216	61004	38.40	ng/ul#	80
38) Hexachlorocyclopentadiene	12.22	237	21781	37.10	ng/ul#	93
39) 2,4,6-Trichlorophenol	12.52	196	39352	37.91	ng/ul	94
40) 2,4,5-Trichlorophenol	12.59	196	40716	37.35	ng/ul	95
41) 1,1'-Biphenyl	12.92	154	141858	37.16	ng/ul#	94
42) 2-Chloronaphthalene	12.95	162	109693	37.54	ng/ul	98
43) 2-Nitroaniline	13.18	65	46268	42.80	ng/ul	93
45) Dimethylphthalate	13.56	163	156748	37.02	ng/ul#	97
46) 2,6-Dinitrotoluene	13.69	165	34677	38.00	ng/ul	91
48) Acenaphthylene	13.81	152	175793	36.78	ng/ul	97
49) 3-Nitroaniline	14.02	138	30980	39.27	ng/ul#	92
50) Acenaphthene	14.16	153	115629	35.94	ng/ul	98
51) 2,4-Dinitrophenol	14.24	184	16588m	41.01	ng/ul	
53) 4-Nitrophenol	14.37	109	35203	39.58	ng/ul	96
54) Dibenzofuran	14.50	168	171130	36.12	ng/ul	89
55) 2,4-Dinitrotoluene	14.49	165	50766	37.30	ng/ul	96
56) 2,3,4,6-Tetrachlorophenol	14.74	232	34144	34.57	ng/ul#	85
57) Diethylphthalate	14.94	149	171521	36.88	ng/ul	98
59) Fluorene	15.16	166	152841	37.15	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.15	204	85166	36.17	ng/ul	96
61) 4-Nitroaniline	15.20	138	31708	39.40	ng/ul	92
64) 4,6-Dinitro-2-methylphenol	15.26	198	31501	37.75	ng/ul#	87
65) N-Nitrosodiphenylamine	15.37	169	130851	36.20	ng/ul	92
66) 4-Bromophenyl-phenylether	16.05	248	58400	36.13	ng/ul	98
67) Hexachlorobenzene	16.16	284	70418	35.85	ng/ul	92
68) Atrazine	16.34	200	60298	38.01	ng/ul	92
69) Pentachlorophenol	16.52	266	19351	34.45	ng/ul#	85
70) Phenanthrene	16.89	178	250348	36.05	ng/ul	98
72) Anthracene	16.99	178	247222	35.39	ng/ul	97
73) 1,2,3,4-Tetrachlorobenzene	12.88	216	63872	38.61	ng/uL	95
74) Pentachlorobenzene	14.42	250	72577	38.28	ng/uL	93
75) Carbazole	17.27	167	212672	39.53	ng/ul	97
76) Di-n-butylphthalate	17.83	149	293271	36.02	ng/ul	99
77) Fluoranthene	18.93	202	297890	39.63	ng/ul	99
80) Pyrene	19.30	202	294898	36.26	ng/ul#	96
81) Butylbenzylphthalate	20.21	149	131131	36.89	ng/ul	92
82) 3,3'-Dichlorobenzidine	21.00	252	115607	40.01	ng/ul	92
83) Benzo(a)anthracene	21.05	228	276494	36.40	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.00	149	174582	36.28	ng/ul	99
85) Chrysene	21.11	228	256141	36.45	ng/ul	97
87) Di-n-octyl phthalate	21.85	149	267337	38.66	ng/ul	100
88) Benzo(b)fluoranthene	22.58	252	289906m	38.08	ng/ul	
89) Benzo(k)fluoranthene	22.62	252	271837m	37.38	ng/ul	
91) Benzo(a)pyrene	23.13	252	252780	36.87	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.39	276	335092	40.01	ng/ul	93
93) Dibenzo(a,h)anthracene	25.40	278	286115	39.21	ng/ul#	99
94) Benzo(g,h,i)perylene	26.05	276	263375	38.61	ng/ul#	92

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Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080815\
Data File : BG018317.D
Acq On : 8 Aug 2015 6:40
Operator : UM/TP
Sample : SSTD04075
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 08:06:52 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080815.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 08 07:47:13 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD04075

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:22:33 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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