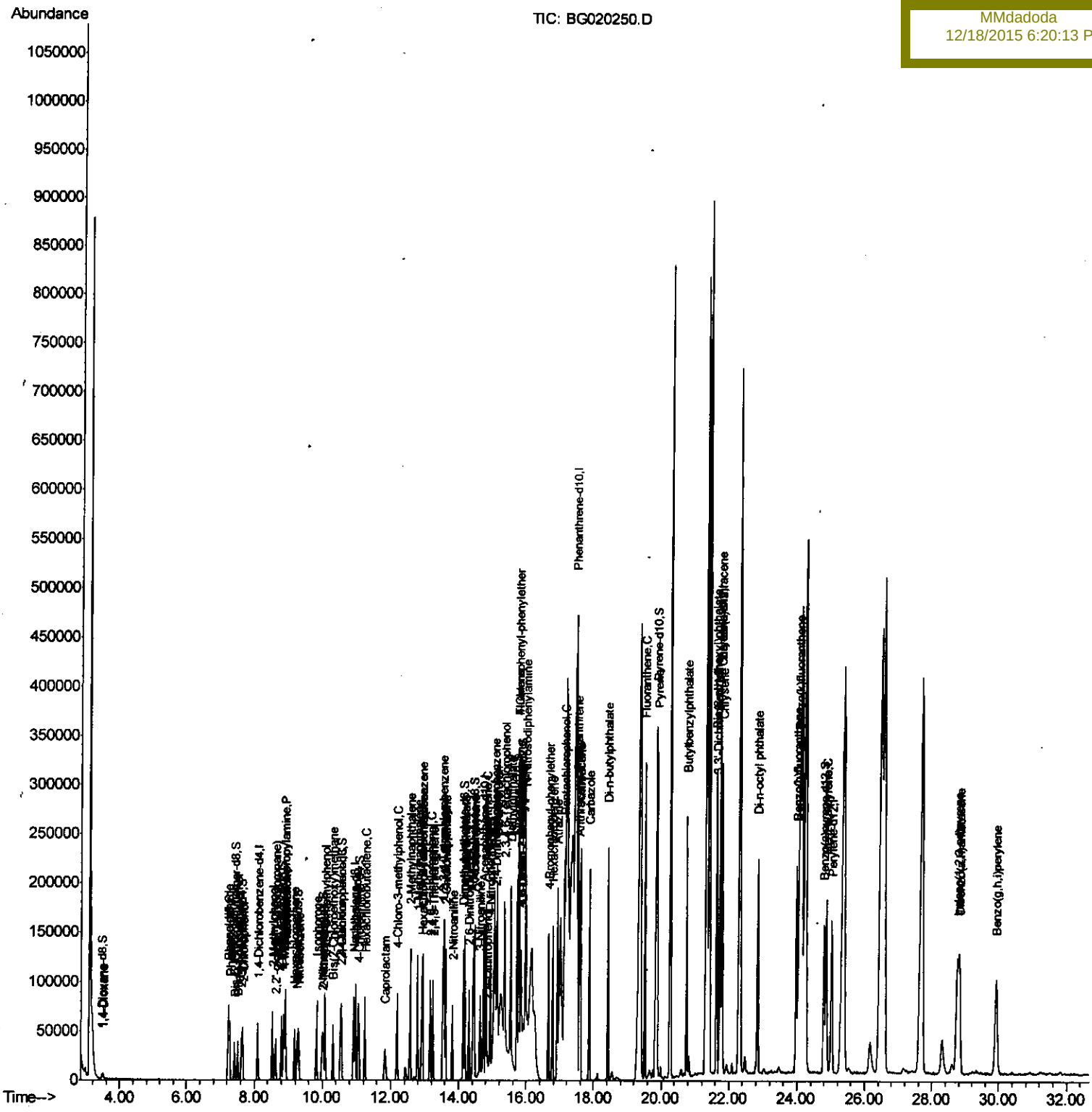
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020250.D
Acq On : 17 Dec 2015 17:46
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 02:39:08 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:29:11 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:20:13 PM



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020250.D
Acq On : 17 Dec 2015 17:46
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 02:31:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:29:11 2015
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LabSampleId :
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Manual Integrations APPROVED
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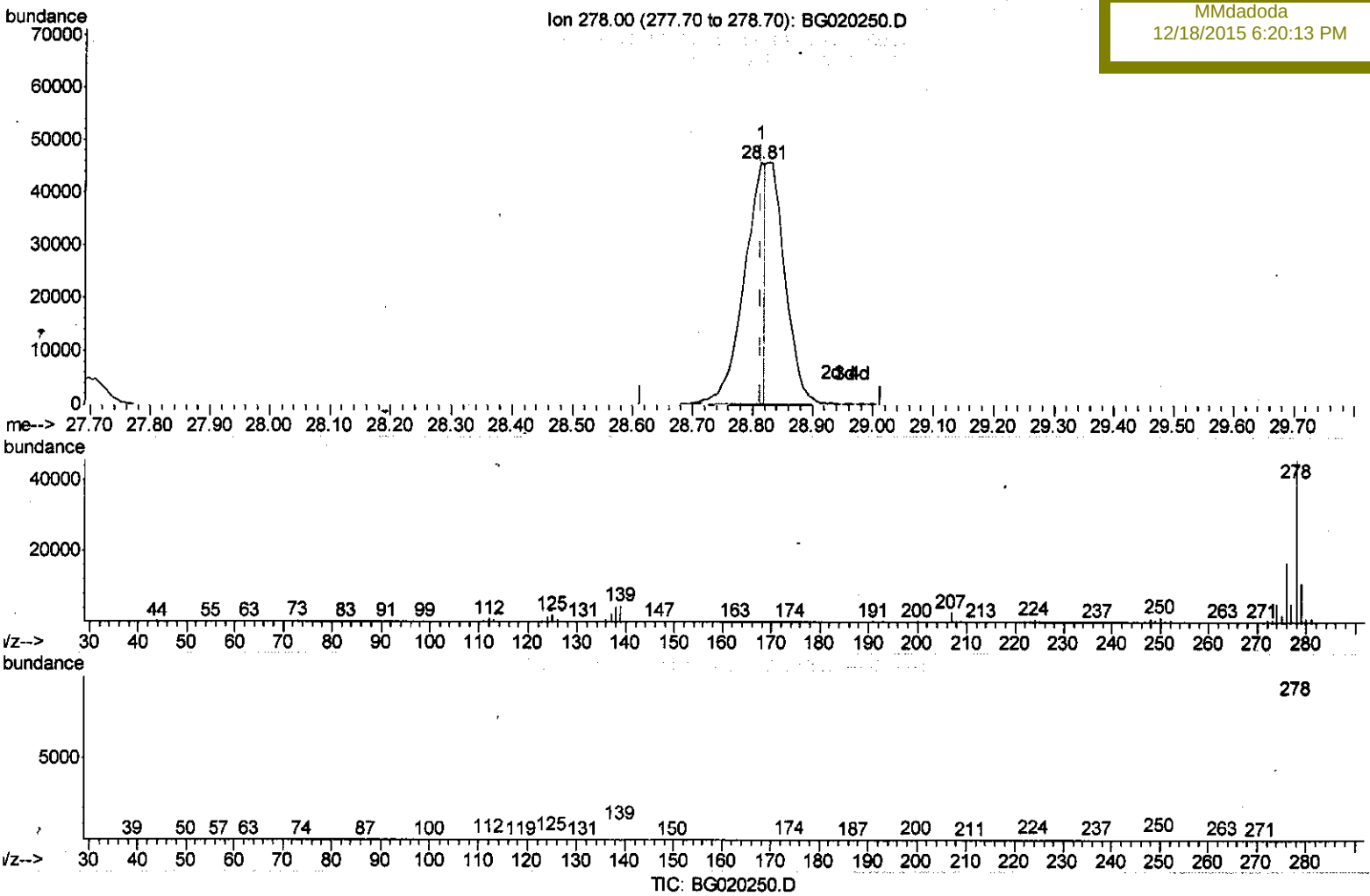
12/18/2015 6:20:13 PM



TIC: BG020250.D

(93) Dibenzo(a,h)anthracene

28.814min (-0.000) 11.81ng/ul

response 110620

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	9.90
279.00	24.20	24.31
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020250.D
Acq On : 17 Dec 2015 17:46
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 02:31:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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Instrument :
BNA_G
LabSampleId :
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Manual Integrations APPROVED
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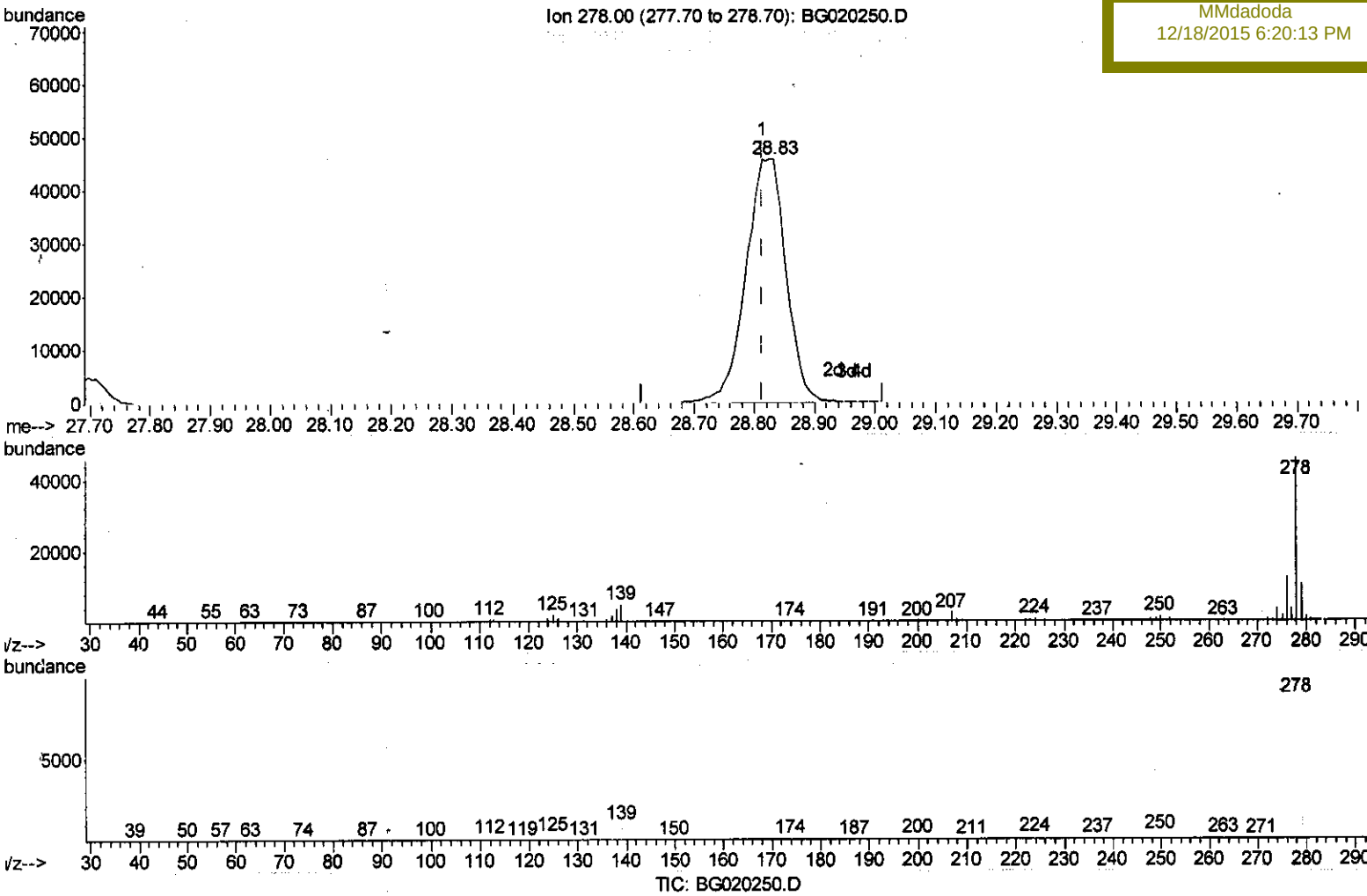
12/18/2015 6:20:13 PM



TIC: BG020250.D

(93) Dibenzo(a,h)anthracene

28.831min (+0.017) 22.43ng/ul m

response 210076

U.M 12/15/15

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	10.60
279.00	24.20	23.10
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
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Acq On : 17 Dec 2015 17:46
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 02:31:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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Instrument :
BNA_G
LabSampleId :
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Manual Integrations APPROVED
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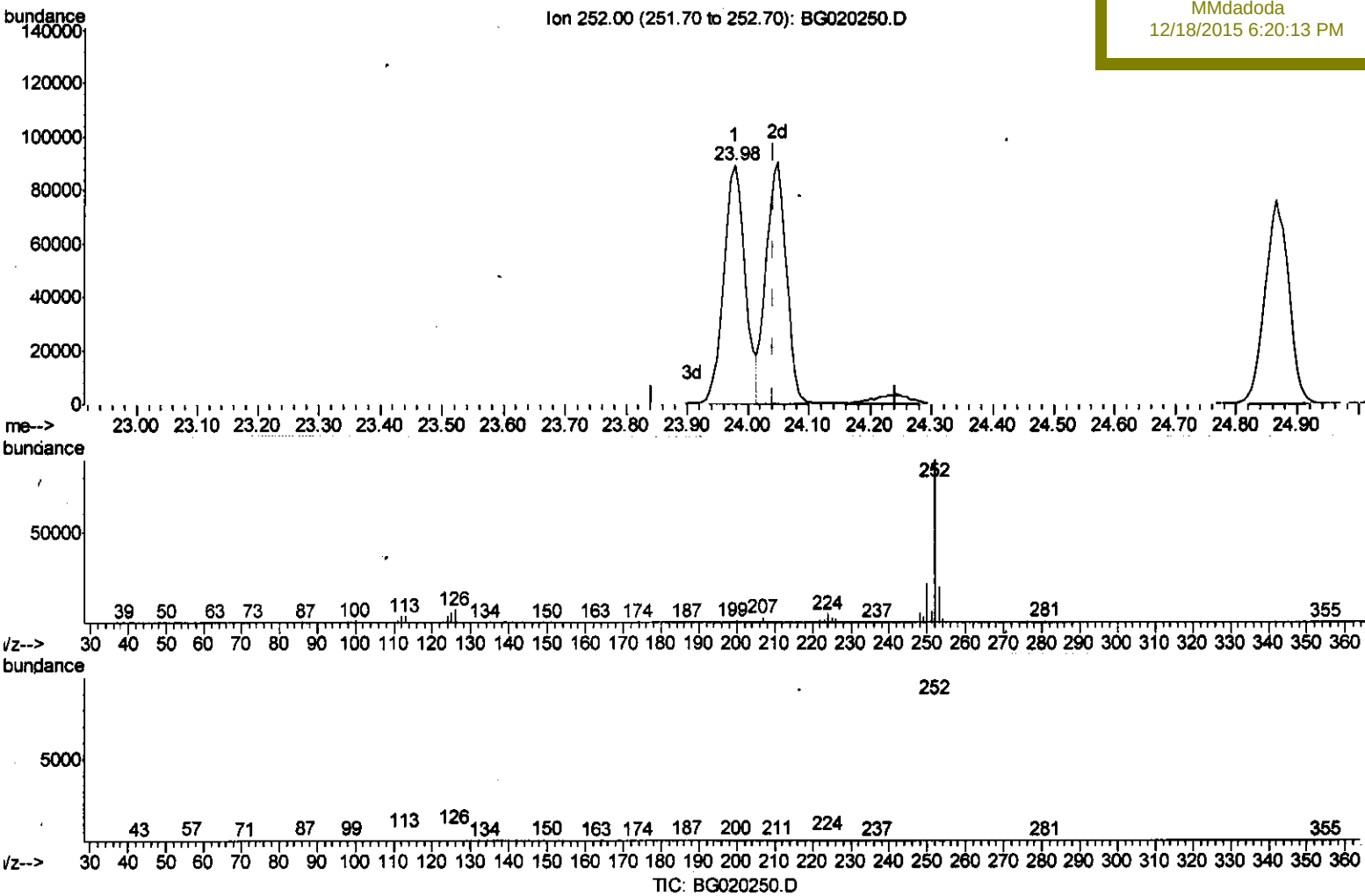
12/18/2015 6:20:13 PM



TIC: BG020250.D

(89) Benzo(k)fluoranthene

23.978min (-0.065) 22.73ng/ul

response 218020

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	22.04
125.00	7.20	6.54
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
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Manual Integrations APPROVED
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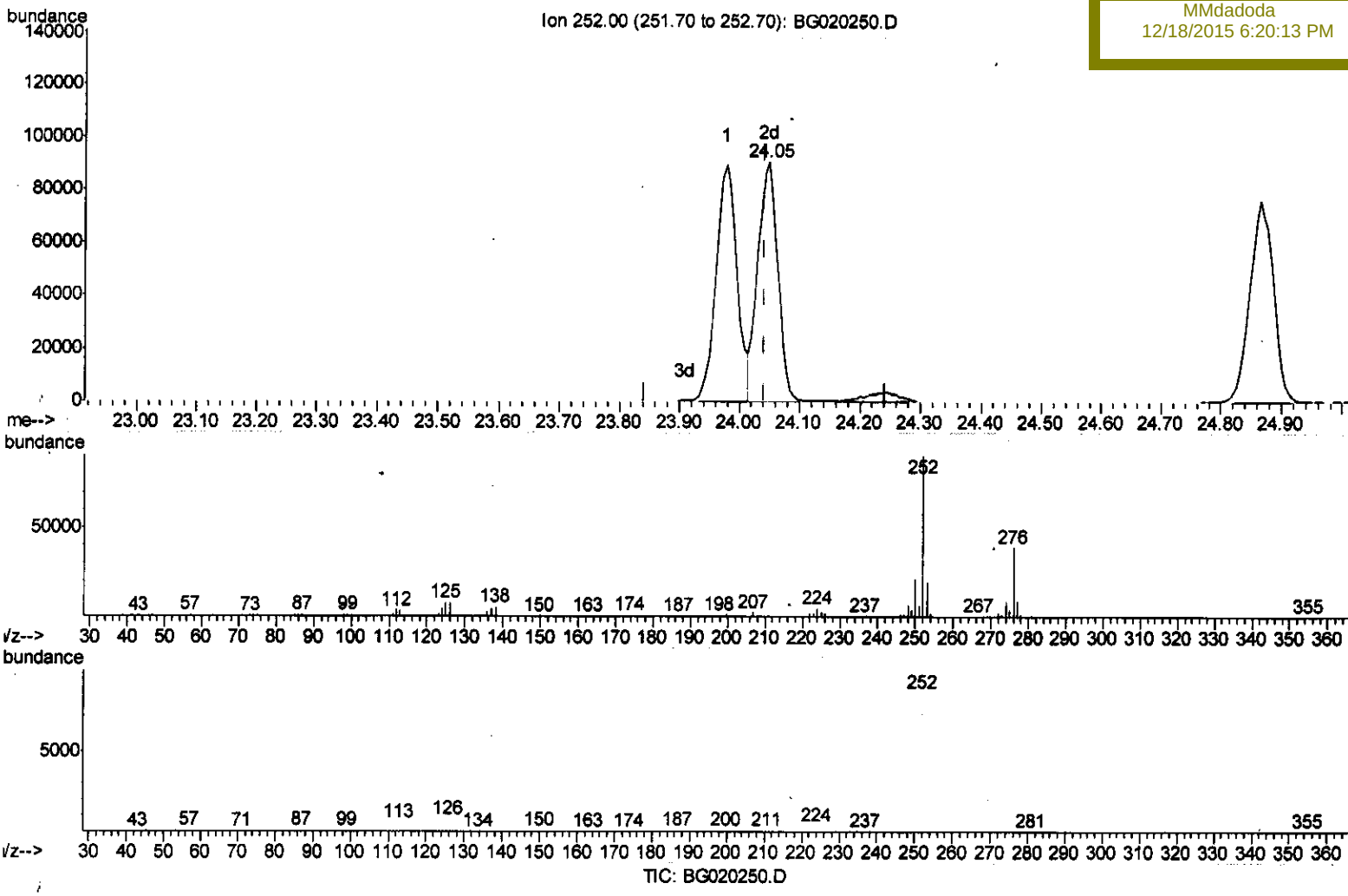
12/18/2015 6:20:13 PM



(89) Benzo(k)fluoranthene

24.049min (+0.005) 21.63ng/ul m

response 207496

U.M
12/15/15

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	21.25
125.00	7.20	8.71#
0.00	0.00	0.00

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Instrument :
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LabSampleId :
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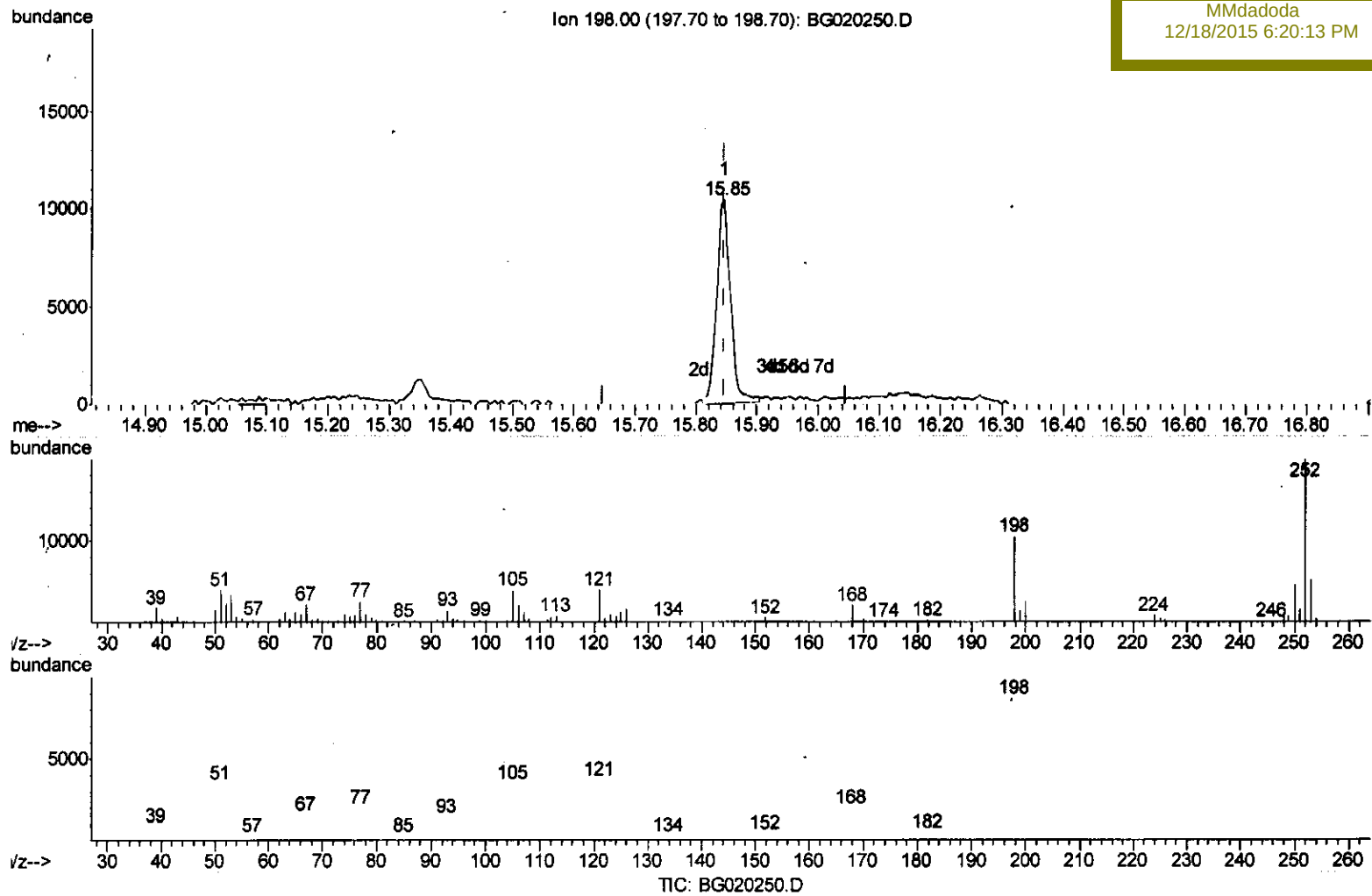
Manual Integrations APPROVED
MMdadoda
12/18/2015 6:20:13 PM



(64) 4,6-Dinitro-2-methylphenol

15.846min (-0.000) 19.33ng/ul

response 16397

Ion	Exp%	Act%
198.00	100	100
182.00	3.10	3.88#
77.00	22.10	25.16
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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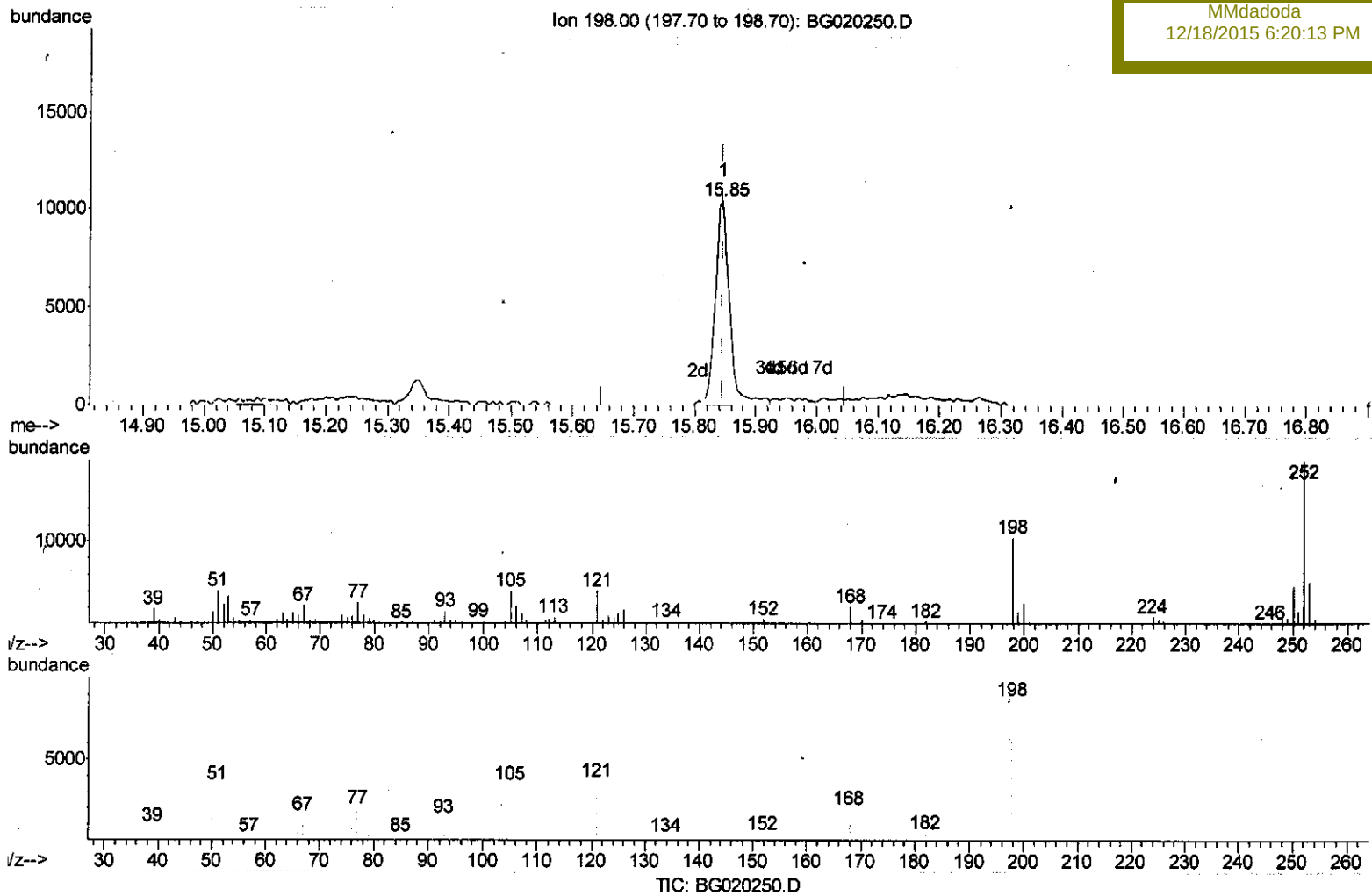
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:20:13 PM



(64) 4,6-Dinitro-2-methylphenol

15.846min (-0.000) 20.37ng/ul m

U.M 12/19/15

response 17281

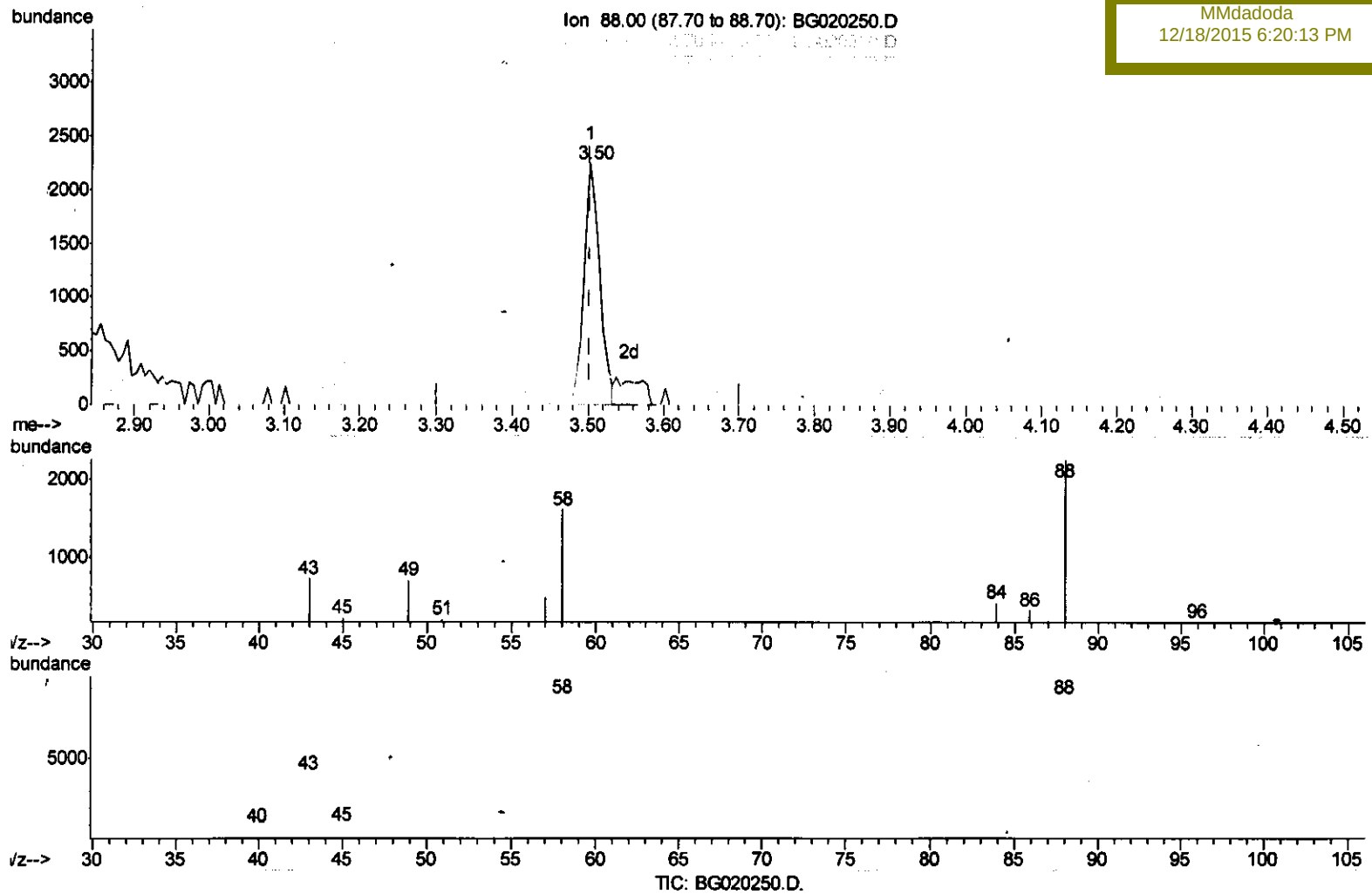
Ion	Exp%	Act%
198.00	100	100
182.00	3.10	3.88#
77.00	22.10	25.16
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020250.D
Acq On : 17 Dec 2015 17:46
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 02:31:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:29:11 2015
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:20:13 PM



(2) 1,4-Dioxane

3.502min (-0.000) 6.73ng/uL

response 3225

Ion	Exp%	Act%
88.00	100	100
43.00	34.80	32.12
58.00	74.90	71.38
0.00	0.00	0.00

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Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 18 02:31:50 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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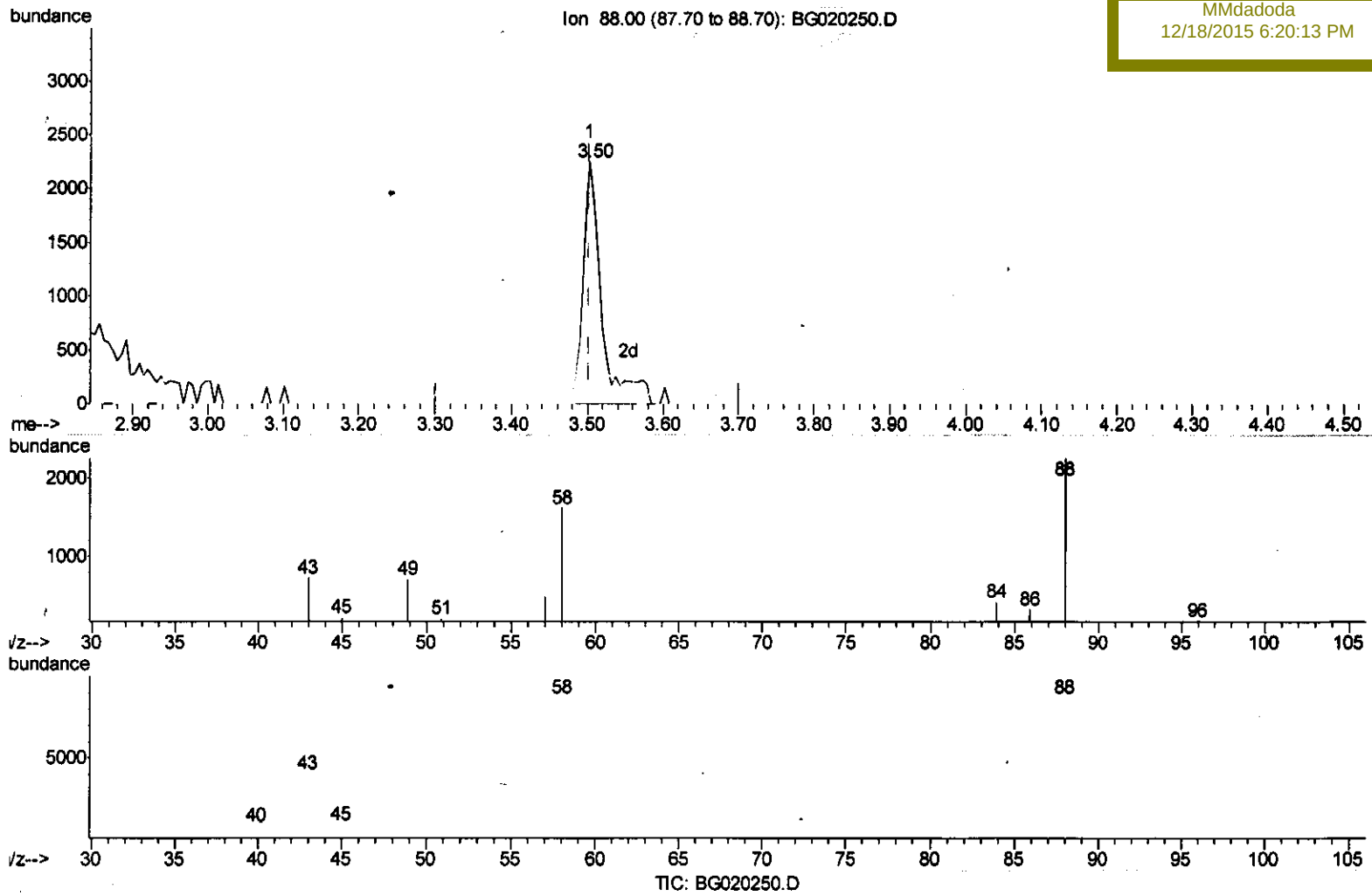
Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:20:13 PM



(2) 1,4-Dioxane

3.502min (-0.000) 7.97ng/uL m

response 3816

U. M
12/19/15

Ion	Exp%	Act%
88.00	100	100
43.00	34.80	32.12
58.00	74.90	71.38
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
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Response via : Initial Calibration

Instrument : BNA_G
LabSampleId : SSTD02002

Manual Integrations APPROVED
MMdadoda
12/18/2015 6:20:13 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.78	142	59115	20.80	ng/ul	98
37) 1,2,4,5-Tetrachlorobenzene	12.93	216	42250	21.93	ng/ul	98
38) Hexachlorocyclopentadiene	12.90	237	23143	19.44	ng/ul	96
39) 2,4,6-Trichlorophenol	13.16	196	27547	22.30	ng/ul	98
40) 2,4,5-Trichlorophenol	13.24	196	30592	22.27	ng/ul	96
41) 1,1'-Biphenyl	13.56	154	86686	22.39	ng/ul	98
42) 2-Chloronaphthalene	13.61	162	67890	21.90	ng/ul	97
43) 2-Nitroaniline	13.81	65	22591	21.43	ng/ul	98
45) Dimethylphthalate	14.17	163	95012	22.41	ng/ul	98
46) 2,6-Dinitrotoluene	14.30	165	19386	22.10	ng/ul	94
48) Acenaphthylene	14.45	152	112329	21.89	ng/ul	100
49) 3-Nitroaniline	14.62	138	20088	23.59	ng/ul	92
50) Acenaphthene	14.79	153	75691	21.92	ng/ul	98
51) 2,4-Dinitrophenol	14.83	184	7275	14.57	ng/ul	96
53) 4-Nitrophenol	14.93	109	16107	22.49	ng/ul	92
54) Dibenzofuran	15.12	168	110590	21.53	ng/ul	100
55) 2,4-Dinitrotoluene	15.08	165	29506	22.92	ng/ul	96
56) 2,3,4,6-Tetrachlorophenol	15.35	232	28332	21.45	ng/ul	99
57) Diethylphthalate	15.53	149	96115	21.84	ng/ul	98
59) Fluorene	15.78	166	87513	21.22	ng/ul	100
60) 4-Chlorophenyl-phenylether	15.76	204	50744	21.82	ng/ul	94
61) 4-Nitroaniline	15.79	138	21029	22.84	ng/ul	96
64) 4,6-Dinitro-2-methylphenol	15.85	198	17281m	20.37	ng/ul	
65) N-Nitrosodiphenylamine	15.98	169	79439	21.44	ng/ul	98
66) 4-Bromophenyl-phenylether	16.66	248	33813	21.62	ng/ul	97
67) Hexachlorobenzene	16.78	284	36574	21.77	ng/ul#	88
68) Atrazine	16.92	200	36917	23.36	ng/ul	97
69) Pentachlorophenol	17.12	266	20172	19.91	ng/ul	92
70) Phenanthrene	17.51	178	156236	21.43	ng/ul	100
72) Anthracene	17.60	178	159780	21.61	ng/ul	100
73) 1,2,3,4-Tetrachlorobenzene	13.53	216	46143	22.10	ng/uL	98
74) Pentachlorobenzene	15.04	250	58649	30.29	ng/uL#	67
75) Carbazole	17.87	167	141476	22.77	ng/ul	100
76) Di-n-butylphthalate	18.42	149	169918	23.54	ng/ul	99
77) Fluoranthene	19.52	202	210492	24.71	ng/ul	99
80) Pyrene	19.88	202	212432	20.21	ng/ul	98
81) Butylbenzylphthalate	20.76	149	81713	22.37	ng/ul	94
82) 3,3'-Dichlorobenzidine	21.64	252	76314	24.05	ng/ul	99
83) Benzo(a)anthracene	21.73	228	223203	22.03	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.62	149	113485	21.73	ng/ul	100
85) Chrysene	21.79	228	206851	21.67	ng/ul	98
87) Di-n-octyl phthalate	22.85	149	195763	21.45	ng/ul	100
88) Benzo(b)fluoranthene	23.98	252	218020	21.81	ng/ul	97
89) Benzo(k)fluoranthene	24.05	252	207496m	21.63	ng/ul	
91) Benzo(a)pyrene	24.87	252	206197	21.76	ng/ul	99
92) Indeno(1,2,3-cd)pyrene	28.75	276	249850	22.14	ng/ul	96
93) Dibenzo(a,h)anthracene	28.83	278	210076m	22.43	ng/ul	
94) Benzo(g,h,i)perylene	29.92	276	204905	22.15	ng/ul	97

U.M 12/19/15

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Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 18 02:29:11 2015
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Instrument : BNA_G
LabSampleId : SSTD02002

Manual Integrations APPROVED
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12/18/2015 6:20:13 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	17905	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	74100	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	51328	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	133273	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	173667	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	166077	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	2781	8.58	ng/uL	0.00
5) Phenol-d5	7.24	99	30335	19.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	19203	20.38	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	24031	20.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	26330	19.50	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	12380	21.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	14655	22.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	27229	20.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	32634	22.31	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	92588	22.30	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	106272	22.00	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	17479	23.47	ng/ul	0.00
58) Fluorene-d10	15.72	176	80069	21.26	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	15877	20.10	ng/ul	0.00
71) Anthracene-d10	17.57	188	128582	20.94	ng/ul	0.00
79) Pyrene-d10	19.85	212	160165	19.79	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	179167	21.63	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.50	88	3816m	7.97	ng/uL	
4) Benzaldehyde	7.23	77	21242	20.78	ng/ul	90
6) Phenol	7.27	94	33052	19.55	ng/ul	96
8) Bis(2-Chloroethyl)ether	7.51	93	24242	20.90	ng/ul	96
10) 2-Chlorophenol	7.66	128	24740	20.57	ng/ul	92
11) 2-Methylphenol	8.53	108	24813	19.24	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.63	45	33467	20.03	ng/ul	96
14) Acetophenone	8.92	105	42302	20.01	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.90	70	22858	20.42	ng/ul	96
16) 4-Methylphenol	8.86	108	27587	19.32	ng/ul	97
17) Hexachloroethane	9.18	117	10547	20.87	ng/ul	95
20) Nitrobenzene	9.31	77	32252	21.07	ng/ul	98
21) Isophorone	9.82	82	62842	21.51	ng/ul	99
23) 2-Nitrophenol	10.02	139	14943	21.68	ng/ul	97
24) 2,4-Dimethylphenol	10.07	107	32233	20.60	ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.31	93	33991	21.47	ng/ul	95
27) 2,4-Dichlorophenol	10.56	162	27190	20.33	ng/ul	97
28) Naphthalene	10.96	128	82950	21.44	ng/ul	99
30) 4-Chloroaniline	11.07	127	33705	22.58	ng/ul	99
31) Hexachlorobutadiene	11.25	225	21465	21.53	ng/ul	92
32) Caprolactam	11.83	113	10176	21.56	ng/ul	92
33) 4-Chloro-3-methylphenol	12.18	107	32182	20.25	ng/ul	94
34) 2-Methylnaphthalene	12.56	142	62310	21.08	ng/ul	94

U.M
12/19/15

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Manual Integrations APPROVED
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12/18/2015 6:20:13 PM

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

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