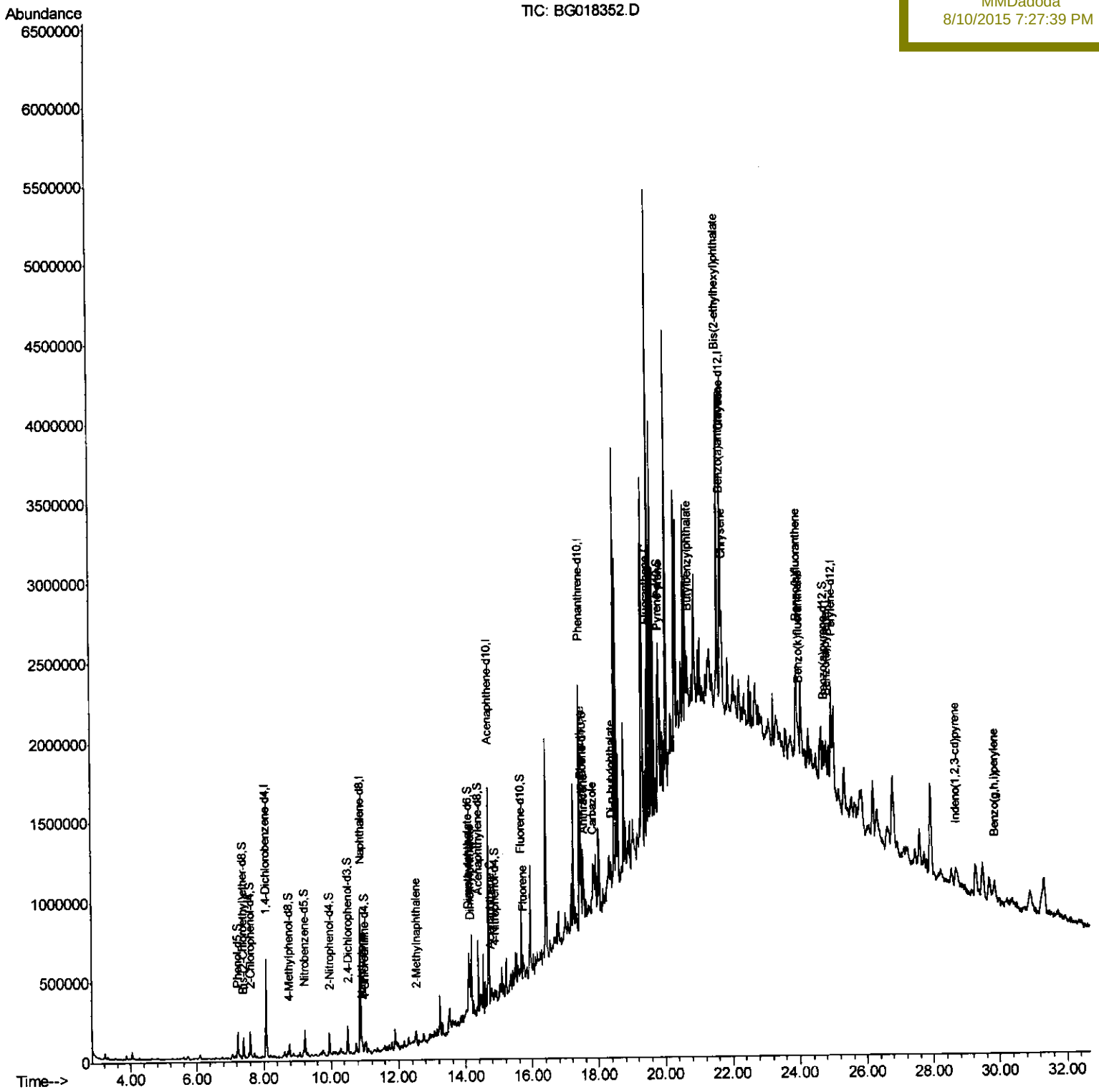
Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018352.D
Acq On : 10 Aug 2015 5:53
Operator : UM/TP
Sample : G3136-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 10 08:11:13 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02K2

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:39 PM



Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018352.D
Acq On : 10 Aug 2015 5:53
Operator : UM/TP
Sample : G3136-20
Misc :
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Quant Time: Aug 10 07:55:18 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
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Manual Integrations APPROVED
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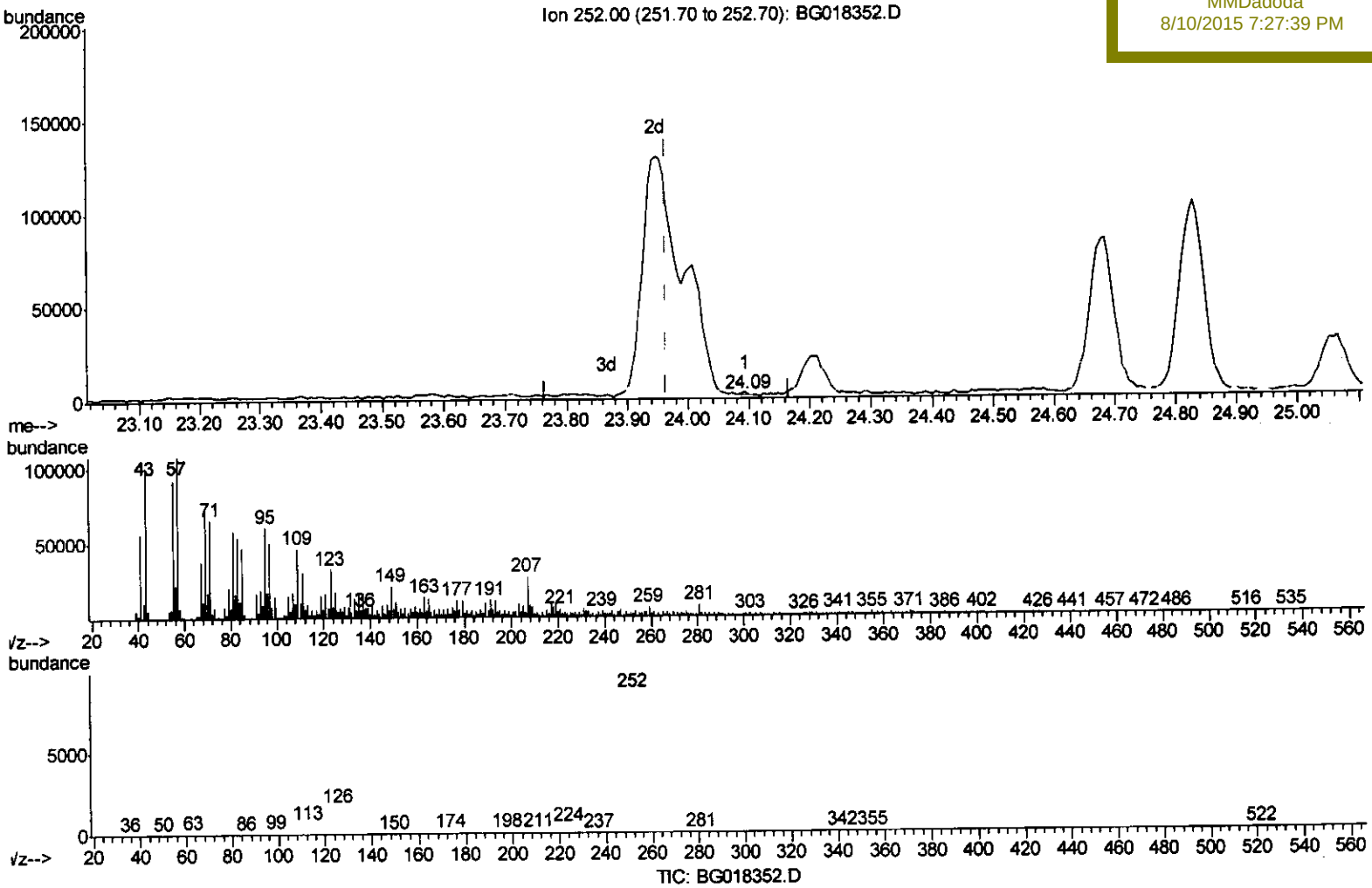

(89) Benzo(k)fluoranthene

24.095min (+0.130) 0.02ng/ul

response 655

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	137.34#
125.00	11.20	637.60#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
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BNA_G
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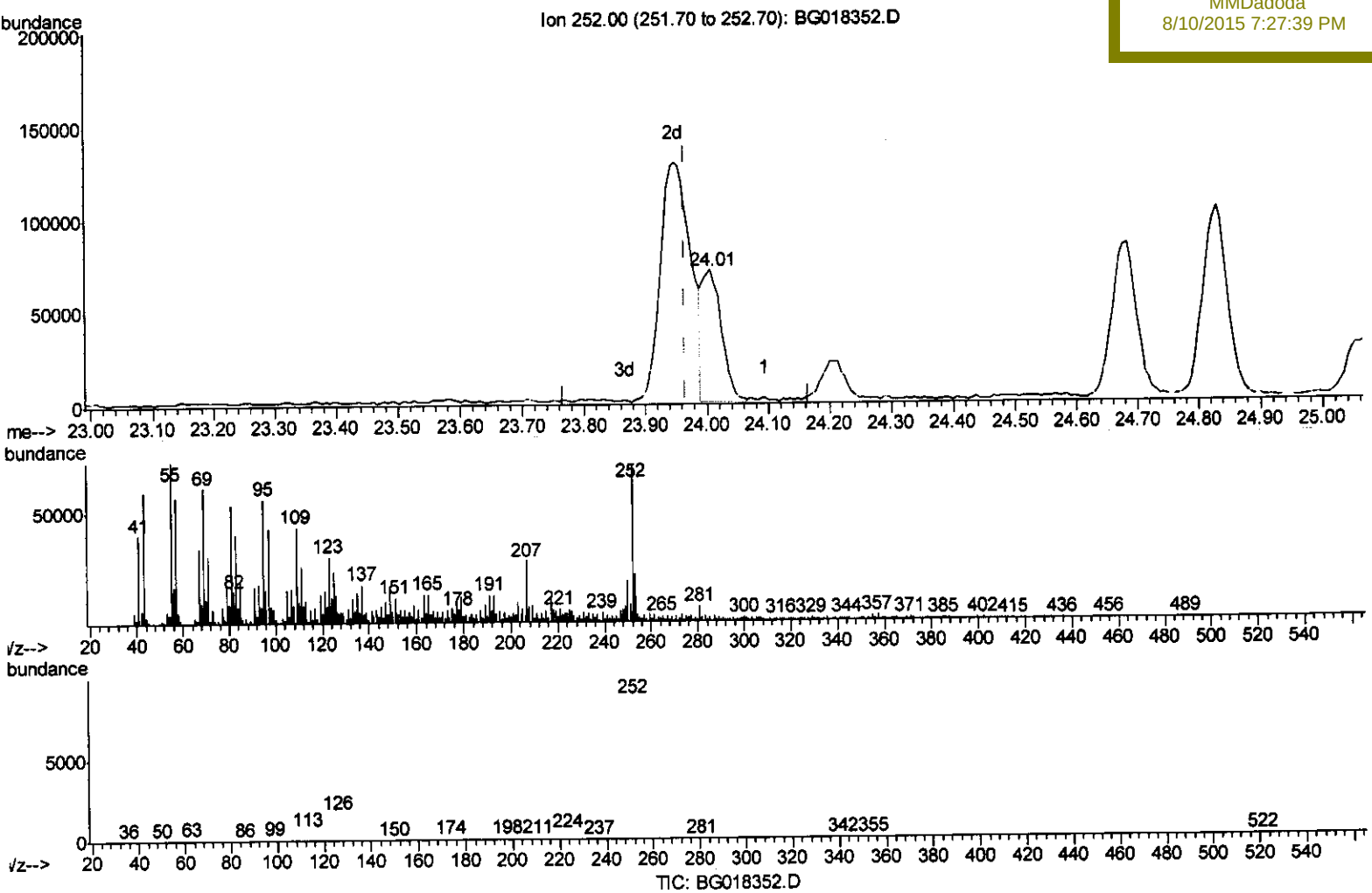
Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:39 PM



(89) Benzo(k)fluoranthene

24.007min (+0.041) 3.55ng/ul m

response 148050

U.M 08/11/15

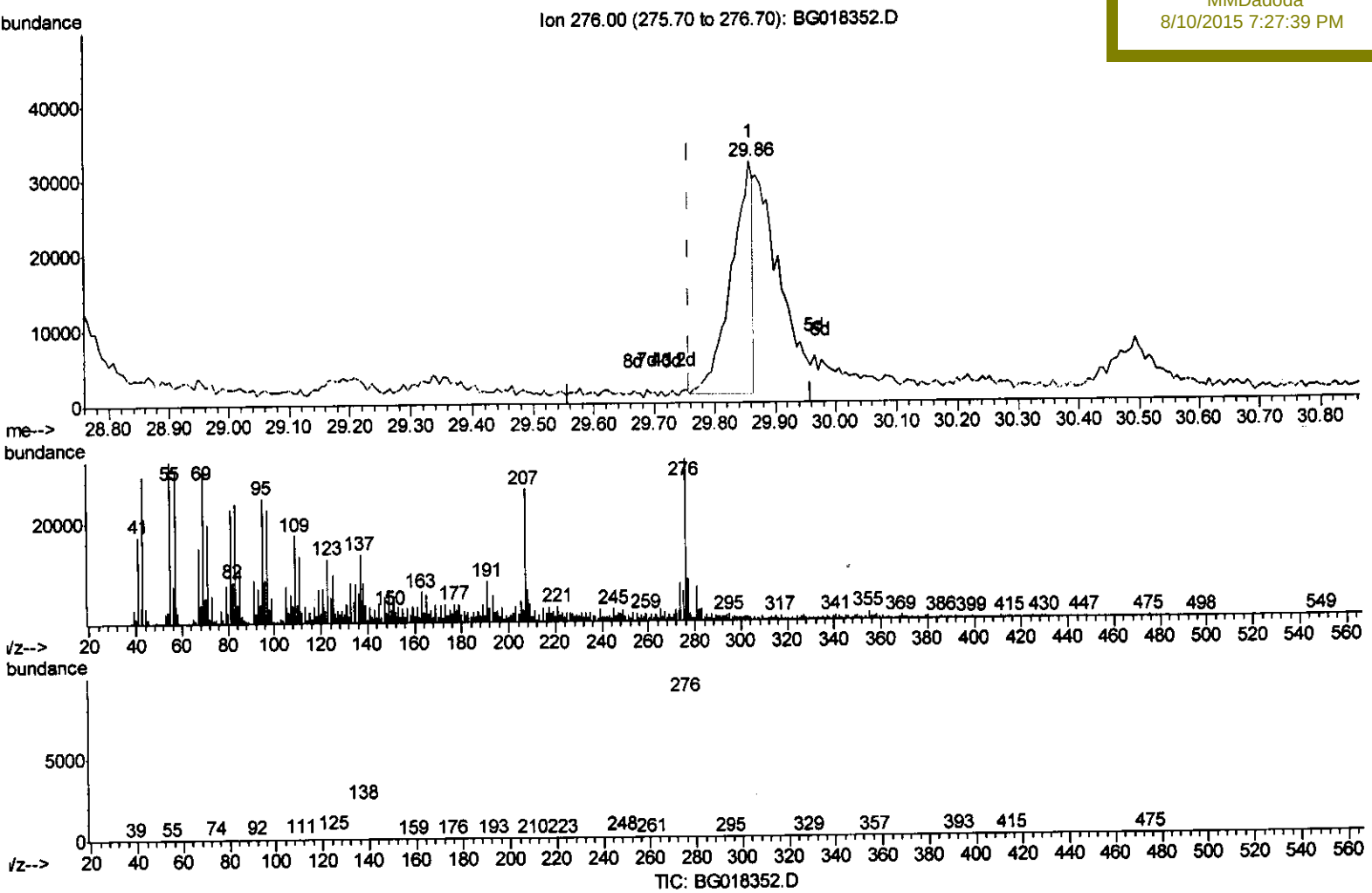
Ion	Exp%	Act%
252.00	100	100
253.00	22.20	30.53#
125.00	11.20	32.83#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018352.D
Acq On : 10 Aug 2015 5:53
Operator : UM/TP
Sample : G3136-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 10 07:55:18 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02K2

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:39 PM



(94) Benzo(g,h,i)perylene

29.859min (+0.100) 1.95ng/ul

response 77912

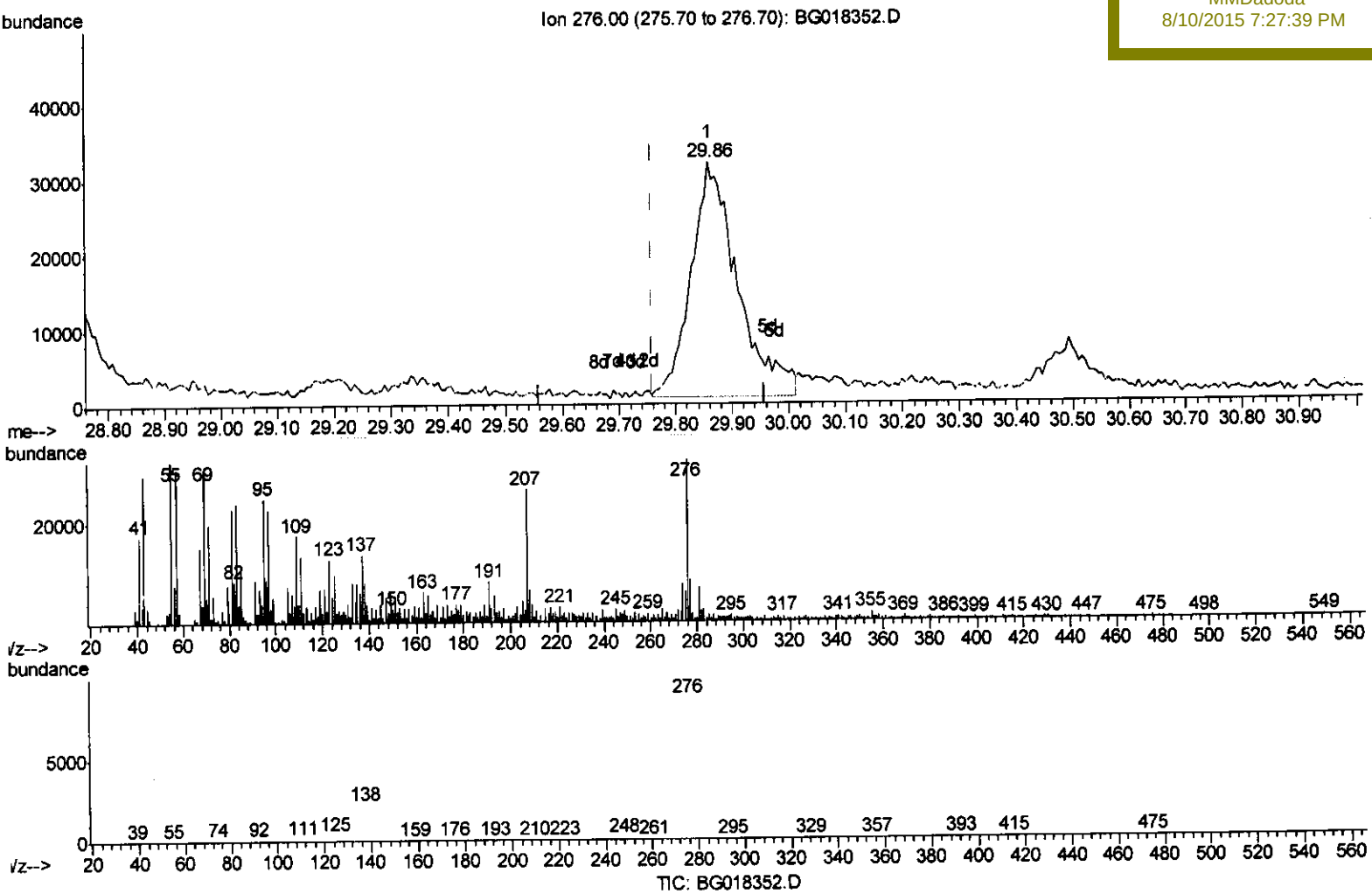
Ion	Exp%	Act%
276.00	100	100
138.00	20.60	25.01#
277.00	23.80	26.23
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018352.D
Acq On : 10 Aug 2015 5:53
Operator : UM/TP
Sample : G3136-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 10 07:55:18 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02K2

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:39 PM



(94) Benzo(g,h,i)perylene

29.859min (+0.100) 4.43ng/ul m > U.M 08/11/15

response 177625

Ion	Exp%	Act%
276.00	100	100
138.00	20.60	25.01#
277.00	23.80	26.23
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018352.D
Acq On : 10 Aug 2015 5:53
Operator : UM/TP
Sample : G3136-20
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02K2

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:39 PM

Quant Time: Aug 10 08:11:13 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	169134	20.00	ng/ul	0.01
18) Naphthalene-d8	10.88	136	759448	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.70	164	423208	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	850062	20.00	ng/ul	0.02
78) Chrysene-d12	21.72	240	715576	20.00	ng/ul	0.02
86) Perylene-d12	24.99	264	690016	20.00	ng/ul	0.07
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	3762	0.98	ng/uL	0.00
5) Phenol-d5	7.23	99	84980	5.54	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.40	67	61500	6.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	72601	6.18	ng/ul	0.01
13) 4-Methylphenol-d8	8.77	113	32559	2.52	ng/ul	0.01
19) Nitrobenzene-d5	9.23	128	41363	6.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.96	143	42105	6.98	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.50	165	69895	5.46	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	32979	2.28	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	254965	7.16	ng/ul	0.01
47) Acenaphthylene-d8	14.39	160	293449	6.54	ng/ul	0.01
52) 4-Nitrophenol-d4	14.88	143	11057	1.73	ng/ul	0.02
58) Fluorene-d10	15.69	176	196473	6.33	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	268700	6.61	ng/ul	0.01
79) Pyrene-d10	19.82	212	256281	6.90	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.76	264	237308	6.48	ng/ul	0.05
Target Compounds						Qvalue
28) Naphthalene	10.93	128	40280	1.00	ng/ul	97
34) 2-Methylnaphthalene	12.53	142	38878	1.34	ng/ul	98
45) Dimethylphthalate	14.14	163	142588	4.06	ng/ul#	95
50) Acenaphthene	14.76	153	38628	1.22	ng/ul	93
59) Fluorene	15.74	166	50250	1.42	ng/ul	94
70) Phenanthrene	17.48	178	386517	8.38	ng/ul	97
72) Anthracene	17.57	178	179897	3.83	ng/ul	97
75) Carbazole	17.84	167	85545	2.08	ng/ul#	90
76) Di-n-butylphthalate	18.40	149	105443	1.96	ng/ul#	92
77) Fluoranthene	19.49	202	660664	13.41	ng/ul	99
80) Pyrene	19.85	202	625346	12.92	ng/ul	99
81) Butylbenzylphthalate	20.73	149	74945	3.66	ng/ul#	83
83) Benzo(a)anthracene	21.70	228	306210	6.90	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.61	149	758391	26.23	ng/ul	98
85) Chrysene	21.76	228	299489	7.22	ng/ul	97
88) Benzo(b)fluoranthene	23.95	252	439386	10.13	ng/ul#	84
89) Benzo(k)fluoranthene	24.01	252	148050m	3.55	ng/ul	
91) Benzo(a)pyrene	24.83	252	281225	6.82	ng/ul#	86
92) Indeno(1,2,3-cd)pyrene	28.70	276	183319	3.84	ng/ul#	89
94) Benzo(g,h,i)perylene	29.86	276	177625m	4.43	ng/ul	

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