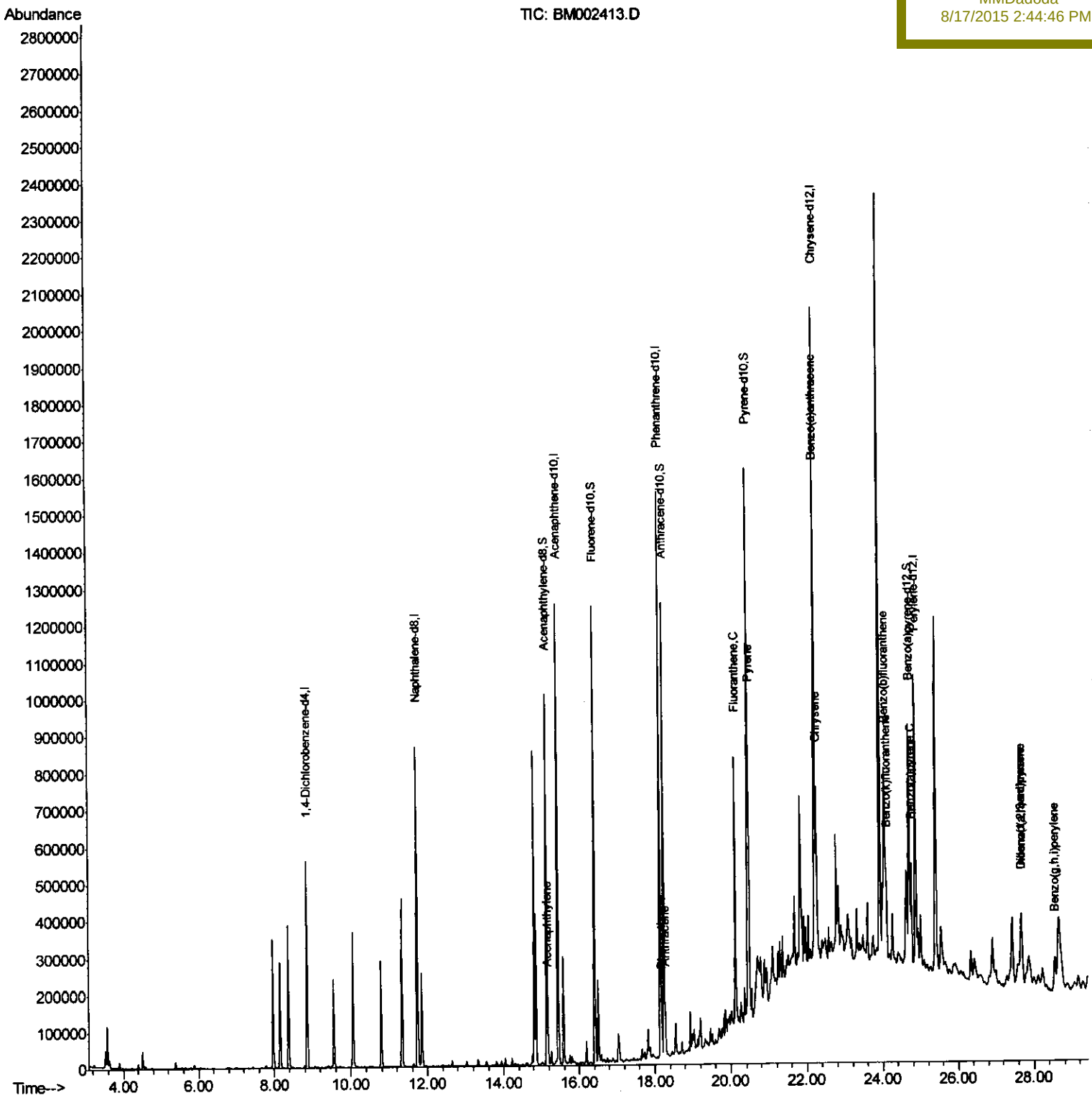
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002413.D
Acq On : 15 Aug 2015 07:56
Operator : UM/IZ
Sample : G3219-22
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 17 03:06:36 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9DB3

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:44:46 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002413.D
Acq On : 15 Aug 2015 07:56
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Misc :
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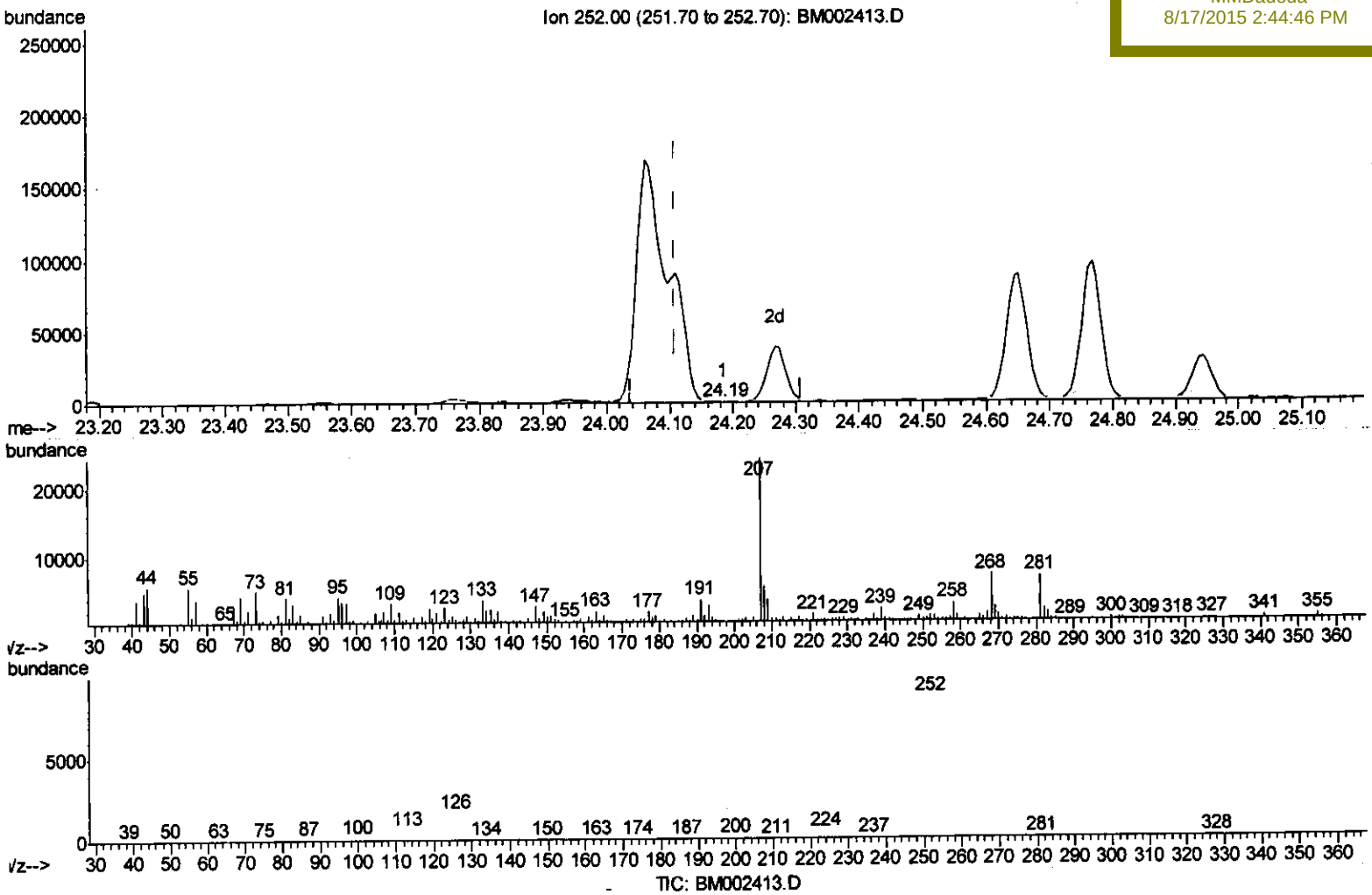
Quant Time: Aug 17 02:55:44 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9DB3

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:44:46 PM



(24) Benzo(k)fluoranthene

24.185min (+0.076) 0.00ng/ul

response 177

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	94.55#
125.00	12.30	120.54#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002413.D
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BNA_M
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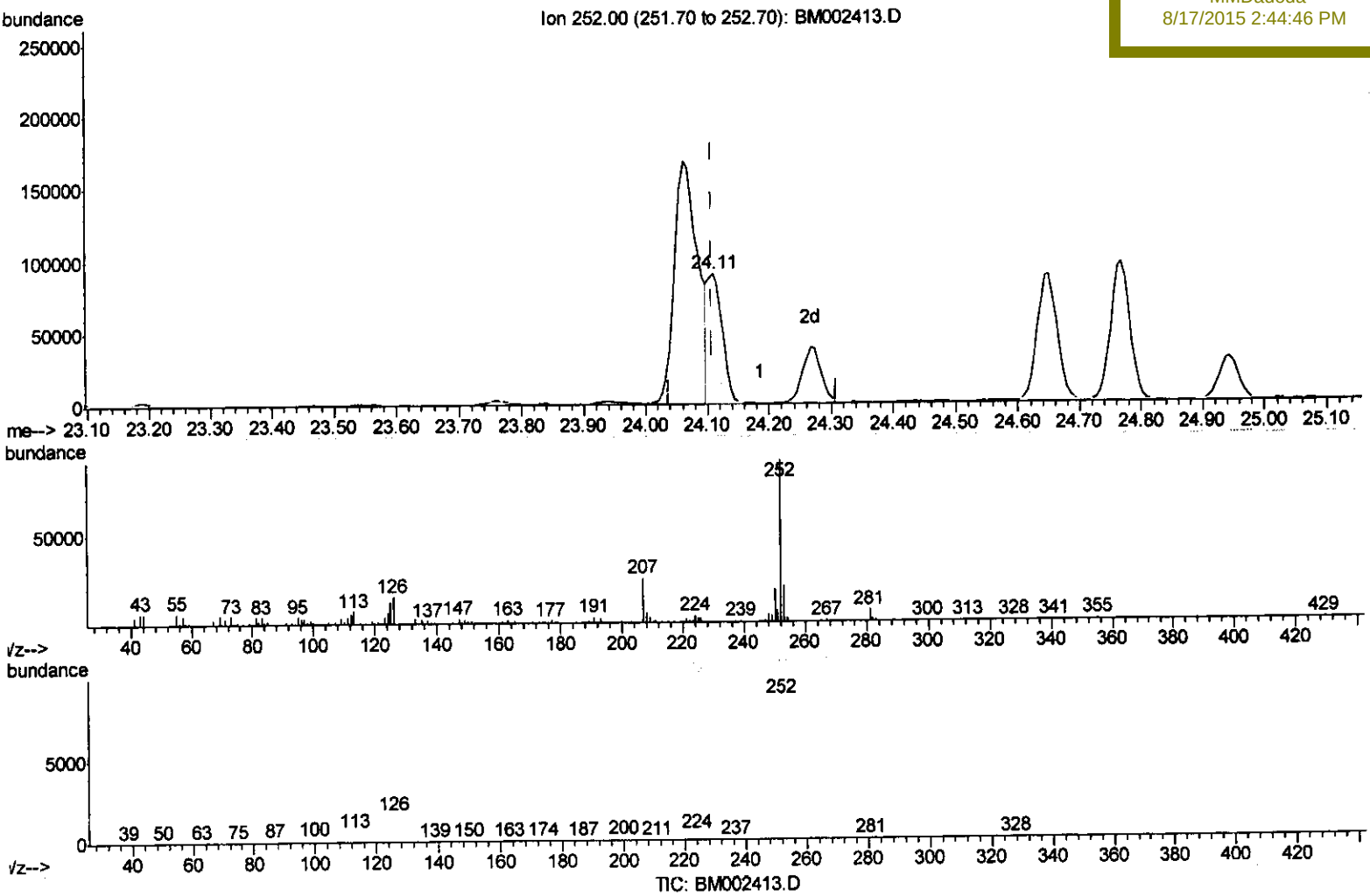
D9DB3

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:44:46 PM



(24) Benzo(k)fluoranthene

24.109min (-0.000) 3.90ng/ul m > U.M. 08/18/15

response 144754

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	23.12
125.00	12.30	14.13
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002413.D
Acq On : 15 Aug 2015 07:56
Operator : UM/IZ
Sample : G3219-22
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 17 03:06:36 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : D9DB3

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:44:46 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	170932	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	816074	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	434629	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	910248	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	839576	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	647747	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	757496	17.05	ng/ul	0.00
10) Fluorene-d10	16.42	176	508409	16.29	ng/ul	0.00
14) Anthracene-d10	18.24	188	719884	16.40	ng/ul	0.00
18) Pyrene-d10	20.46	212	740338	19.89	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	552132	16.23	ng/ul	0.00
Target Compounds						Qvalue
8) Acenaphthylene	15.18	152	80848	1.74	ng/ul	98
13) Phenanthrene	18.19	178	72285	1.38	ng/ul	99
15) Anthracene	18.28	178	72910	1.37	ng/ul	99
16) Fluoranthene	20.13	202	440162	7.40	ng/ul	98
19) Pyrene	20.49	202	427062	8.68	ng/ul	100
20) Benzo(a)anthracene	22.21	228	321715	6.41	ng/ul	98
21) Chrysene	22.27	228	300945	6.41	ng/ul	96
23) Benzo(b)fluoranthene	24.06	252	444596	11.35	ng/ul	96
24) Benzo(k)fluoranthene	24.11	252	144754m	3.90	ng/ul	
26) Benzo(a)pyrene	24.77	252	210412	5.63	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.69	276	153446	3.57	ng/ul	94
28) Dibenzo(a,h)anthracene	27.68	278	41751	1.16	ng/ul#	87
29) Benzo(g,h,i)perylene	28.56	276	124223	3.47	ng/ul	96

U.M. 08/18/15

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