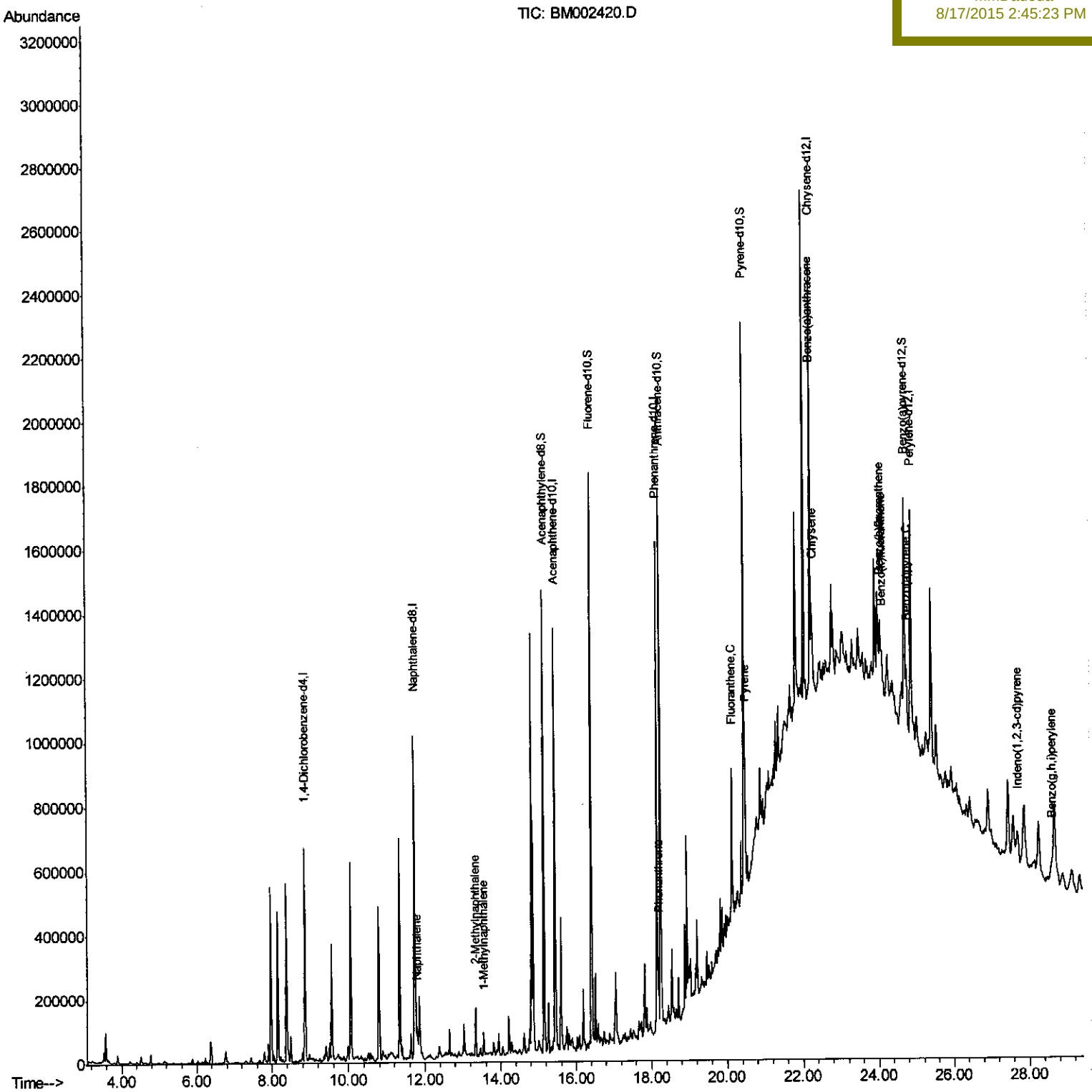
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002420.D
Acq On : 15 Aug 2015 12:19
Operator : UM/IZ
Sample : G3219-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 17 04:36:23 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 :
D9DA6

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:45:23 PM

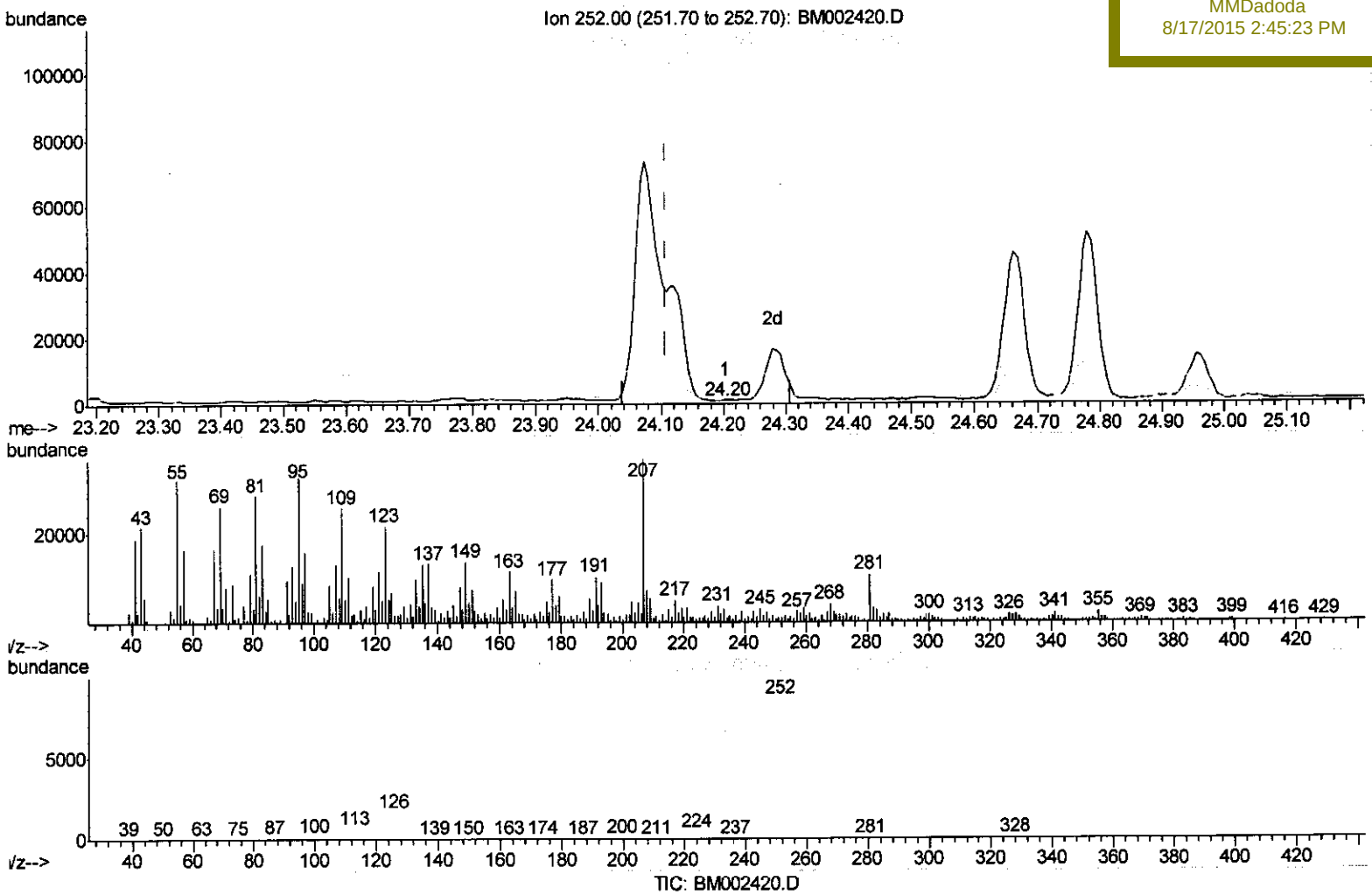


Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002420.D
Acq On : 15 Aug 2015 12:19
Operator : UM/IZ
Sample : G3219-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 17 02:57:00 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 :
D9DA6

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:45:23 PM



(24) Benzo(k)fluoranthene

24.203min (+0.094) 0.01ng/ul

response 409

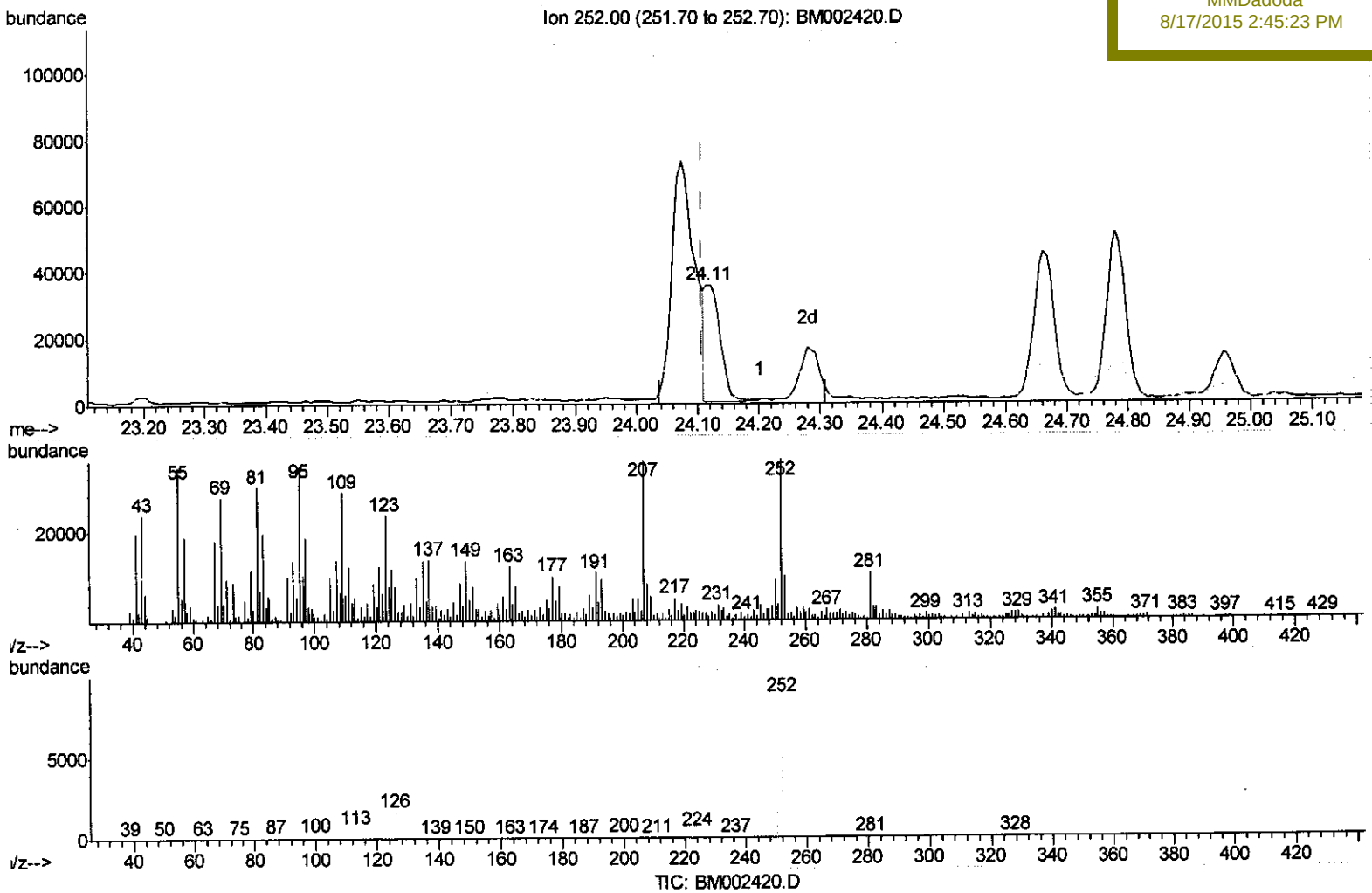
Ion	Exp%	Act%
252.00	100	100
253.00	22.20	147.49#
125.00	12.30	580.03#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002420.D
Acq On : 15 Aug 2015 12:19
Operator : UM/IZ
Sample : G3219-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 17 02:57:00 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 :
D9DA6

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:45:23 PM



(24) Benzo(k)fluoranthene

24.115min (+0.006) 1.83ng/ul m > U.M. 08/18/15

response 59063

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	28.08#
125.00	12.30	32.89#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002420.D
Acq On : 15 Aug 2015 12:19
Operator : UM/IZ
Sample : G3219-15
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 17 04:36:23 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 : D9DA6

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:45:23 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	199182	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	900492	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	463807	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	918764	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	654782	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	563787	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	1132024	23.87	ng/ul	0.00
10) Fluorene-d10	16.42	176	749935	22.52	ng/ul	0.00
14) Anthracene-d10	18.25	188	1002532	22.62	ng/ul	0.00
18) Pyrene-d10	20.47	212	892443	30.75	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	577409	19.50	ng/ul	0.02
Target Compounds						Qvalue
3) Naphthalene	11.79	128	104194	2.27	ng/ul	98
4) 2-Methylnaphthalene	13.33	142	77036	2.24	ng/ul	99
5) 1-Methylnaphthalene	13.55	142	34114	1.00	ng/ul	98
13) Phenanthrene	18.20	178	141896	2.67	ng/ul	99
16) Fluoranthene	20.14	202	293209	4.88	ng/ul	99
19) Pyrene	20.50	202	232849	6.07	ng/ul	99
20) Benzo(a)anthracene	22.22	228	152646	3.90	ng/ul#	95
21) Chrysene	22.27	228	177321	4.84	ng/ul#	94
23) Benzo(b)fluoranthene	24.07	252	186525	5.47	ng/ul#	86
24) Benzo(k)fluoranthene	24.11	252	59063m	1.83	ng/ul	
26) Benzo(a)pyrene	24.78	252	109681	3.37	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	27.71	276	82901	2.21	ng/ul	96
29) Benzo(g,h,i)perylene	28.59	276	81229	2.61	ng/ul	92

U.M. 08/18/15

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