

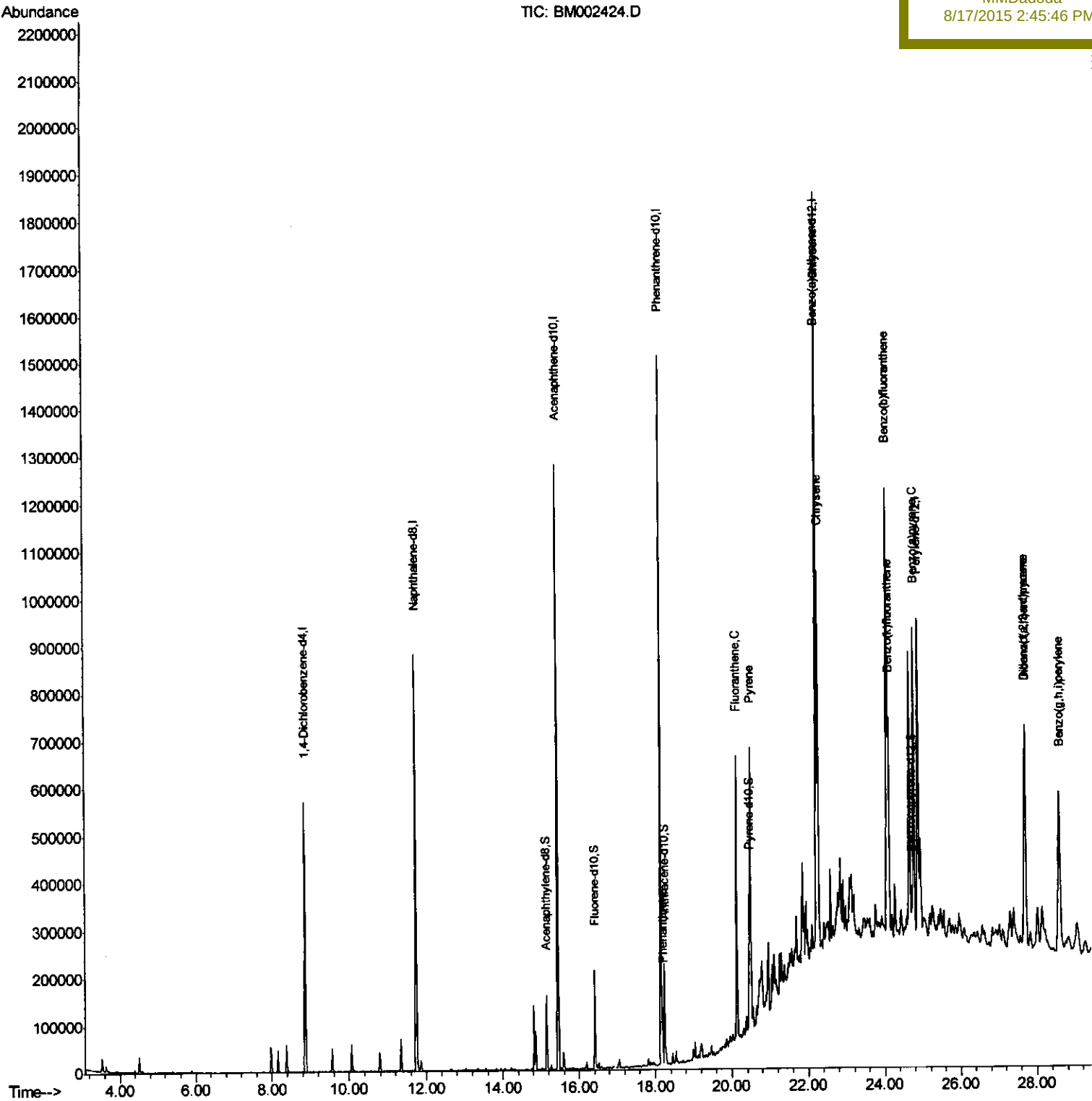
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002424.D
Acq On : 15 Aug 2015 14:45
Operator : UM/IZ
Sample : G3219-11 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 17 04:53:17 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 :
D9DA4DL

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:46 PM



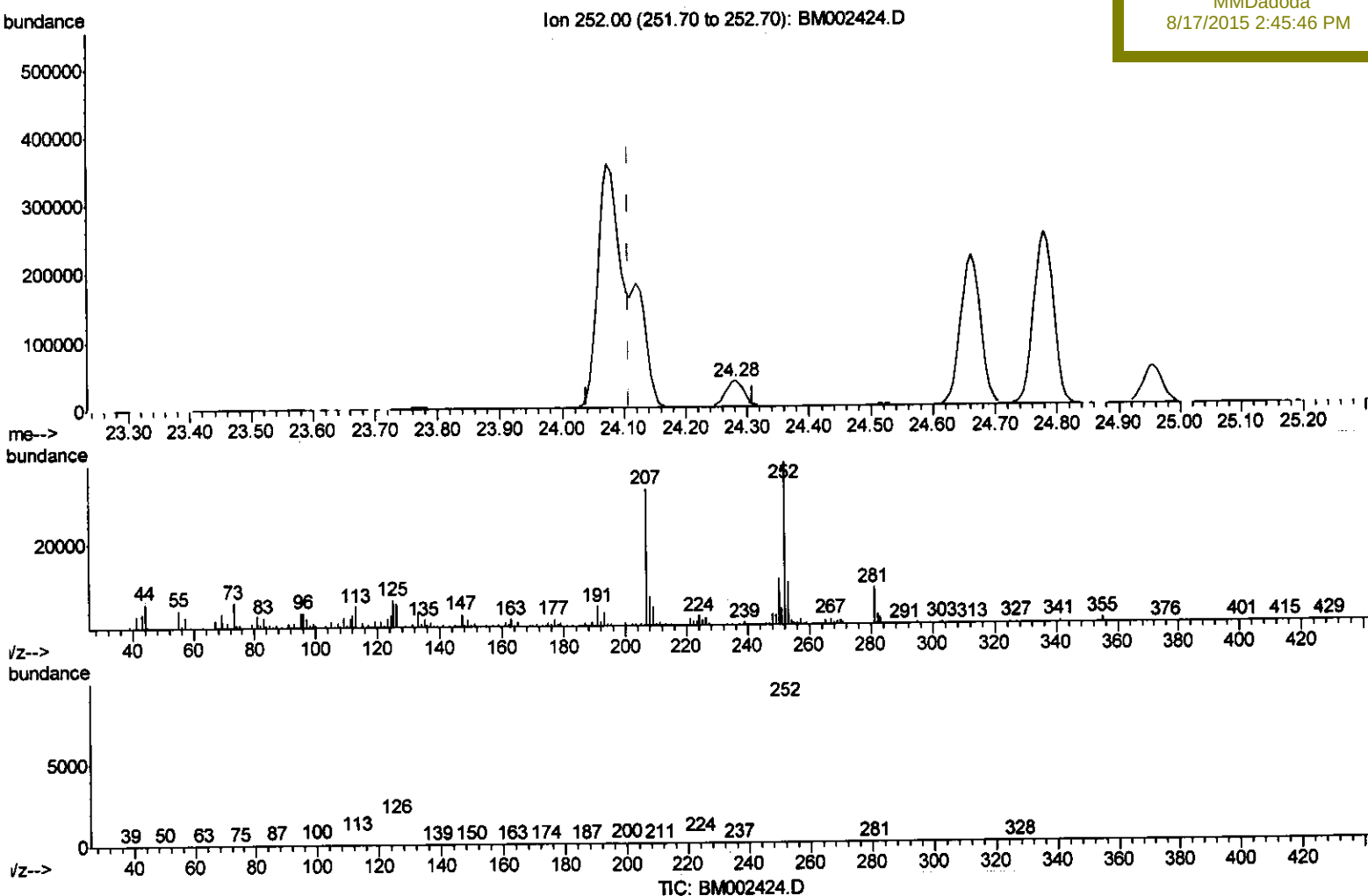
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002424.D
 Acq On : 15 Aug 2015 14:45
 Operator : UM/IZ
 Sample : G3219-11 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 17 02:57:32 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 :
 D9DA4DL

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:45:46 PM



(24) Benzo(k)fluoranthene

24.280min (+0.171) 2.31ng/ul

response 75419

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	26.32
125.00	12.30	17.27#
0.00	0.00	0.00

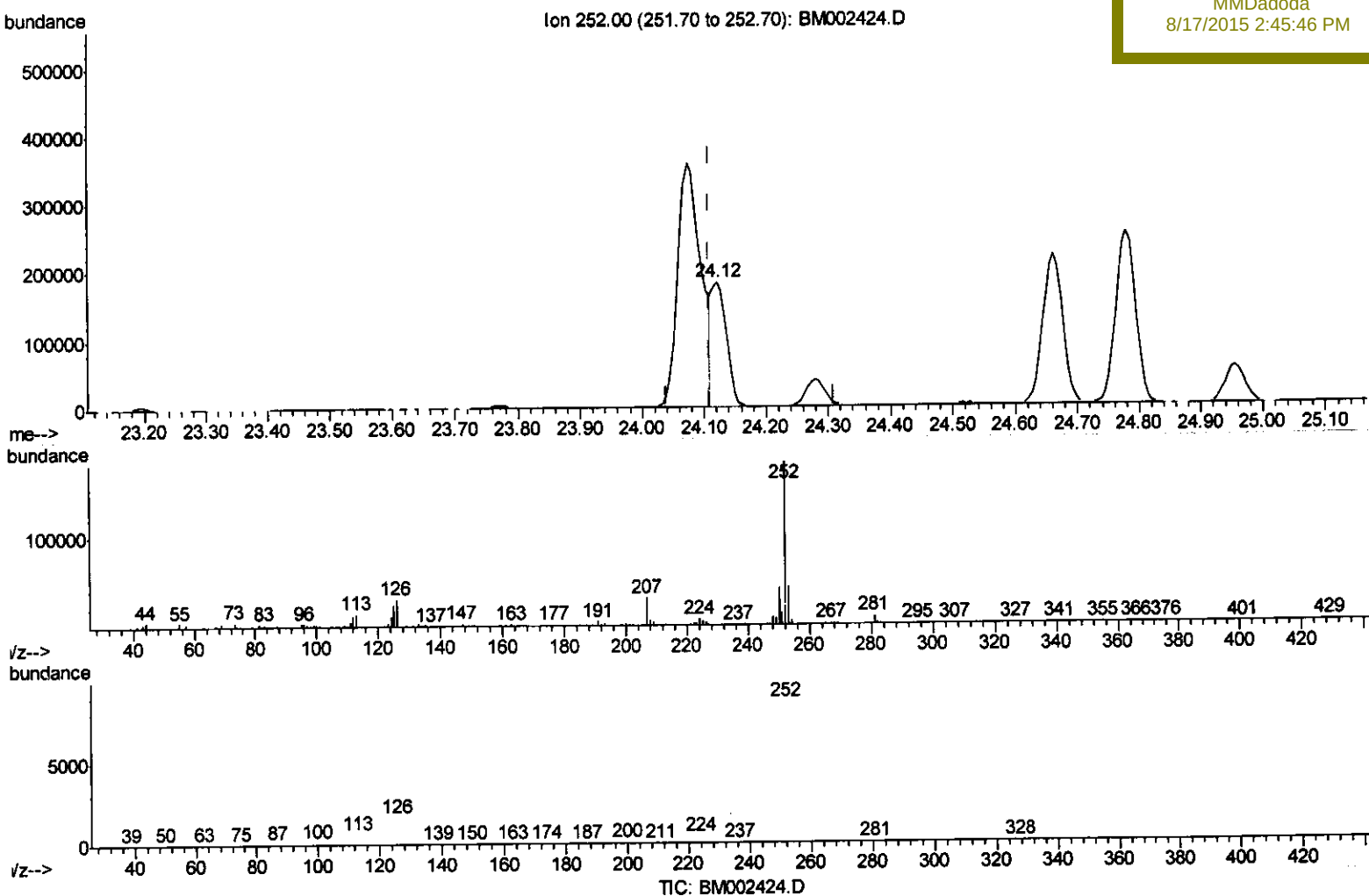
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002424.D
 Acq On : 15 Aug 2015 14:45
 Operator : UM/IZ
 Sample : G3219-11 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 17 02:57:32 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 OLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4DL

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:45:46 PM



(24) Benzo(k)fluoranthene

24.121min (+0.012) 9.01ng/ul m

response 294505

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	23.21
125.00	12.30	13.45
0.00	0.00	0.00

U.M.
 08/18/15

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002424.D
Acq On : 15 Aug 2015 14:45
Operator : UM/IZ
Sample : G3219-11 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Aug 17 04:53:17 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 :
D9DA4DL

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:46 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	173968	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	813626	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	443809	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	913679	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	699261	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	570432	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.15	160	123045	2.71	ng/ul	0.00
10) Fluorene-d10	16.42	176	86752	2.72	ng/ul	0.00
14) Anthracene-d10	18.25	188	120759	2.74	ng/ul	0.00
18) Pvrene-d10	20.47	212	111383	3.59	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	72283	2.41	ng/ul	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.20	178	76497	1.45	ng/ul	99
16) Fluoranthene	20.14	202	350827	5.87	ng/ul	99
19) Pvrene	20.50	202	350577	8.56	ng/ul	99
20) Benzo(a)anthracene	22.22	228	422705	10.11	ng/ul	99
21) Chrysene	22.27	228	501319	12.82	ng/ul	98
23) Benzo(b)fluoranthene	24.07	252	939680	27.25	ng/ul	98
24) Benzo(k)fluoranthene	24.12	252	294505m	9.01	ng/ul	
26) Benzo(a)pyrene	24.78	252	564542	17.14	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.71	276	486596	12.85	ng/ul	94
28) Dibenzo(a,h)anthracene	27.71	278	160842	5.08	ng/ul#	92
29) Benzo(a,h,i)perylene	28.60	276	442480	14.03	ng/ul	99

U. M.
08/18/15

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