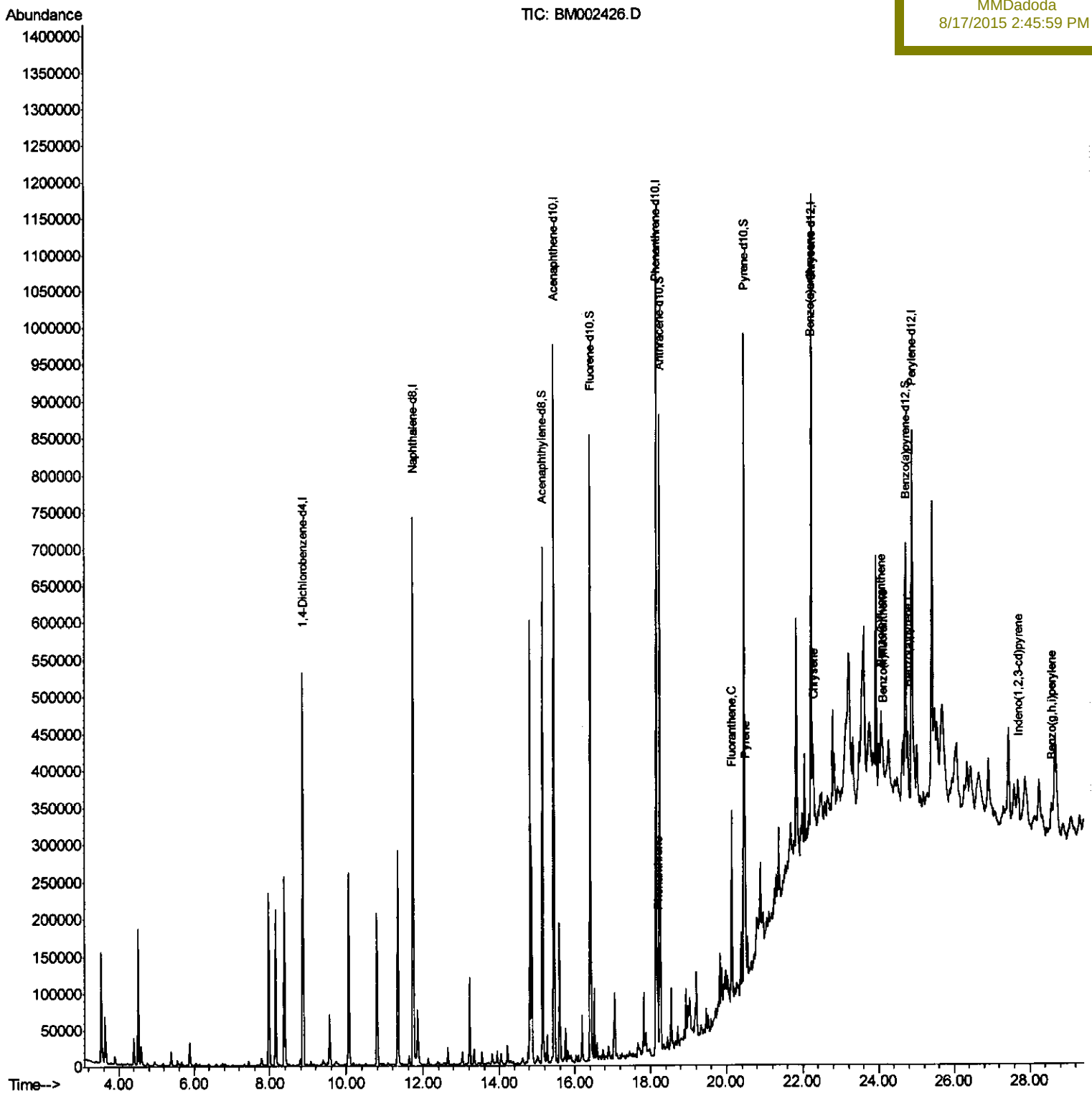
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002426.D
Acq On : 15 Aug 2015 15:58
Operator : UM/IZ
Sample : G3219-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 17 05:02:55 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 :
D9DA8

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:45:59 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002426.D
Acq On : 15 Aug 2015 15:58
Operator : UM/IZ
Sample : G3219-17
Misc :
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Quant Time: Aug 17 02:57:53 2015
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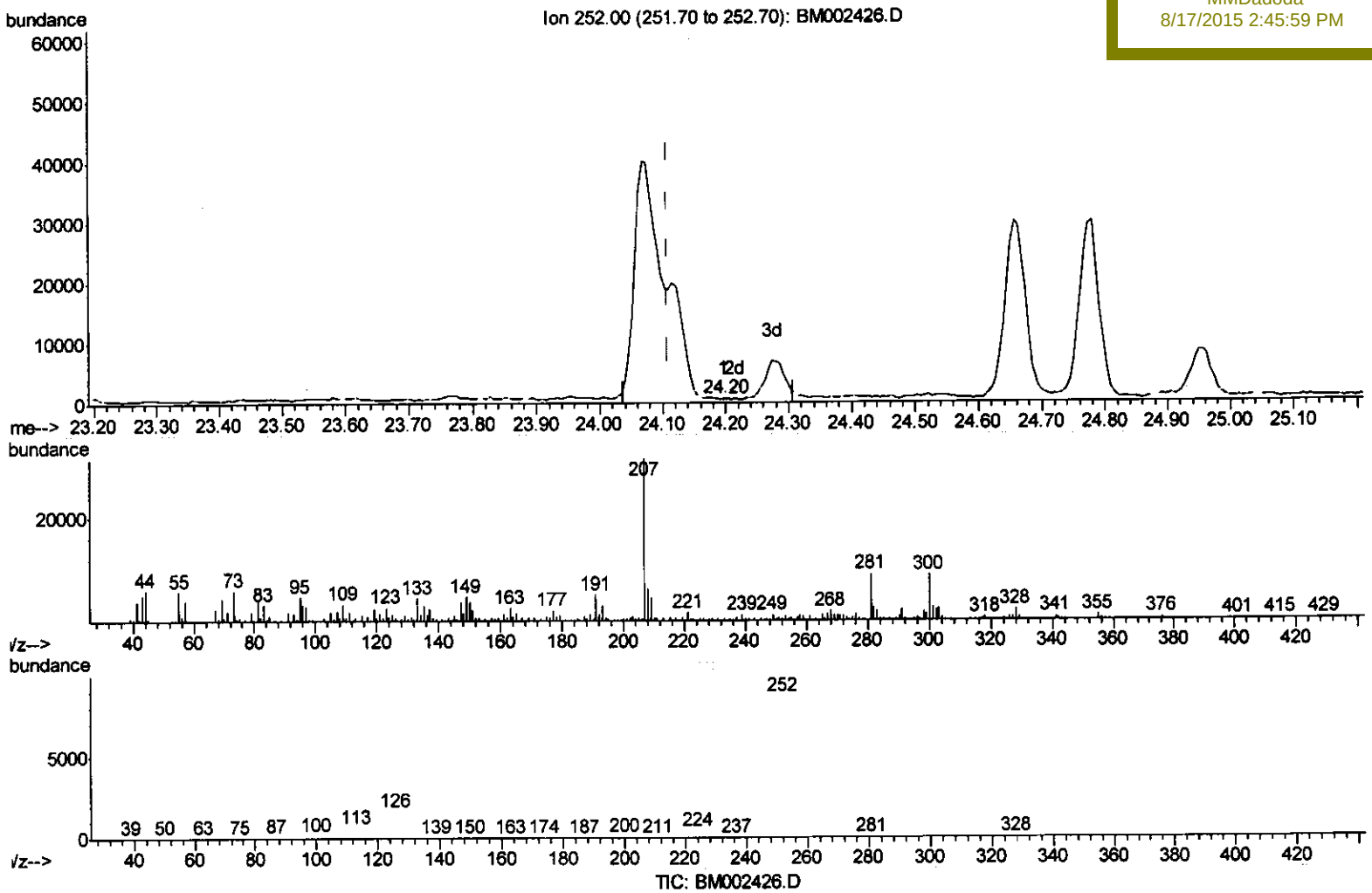
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 17 02:54:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
D9DA8

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:45:59 PM



(24) Benzo(k)fluoranthene

24.198min (+0.089) 0.01ng/ul

response 116

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	143.12#
125.00	12.30	211.64#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002426.D
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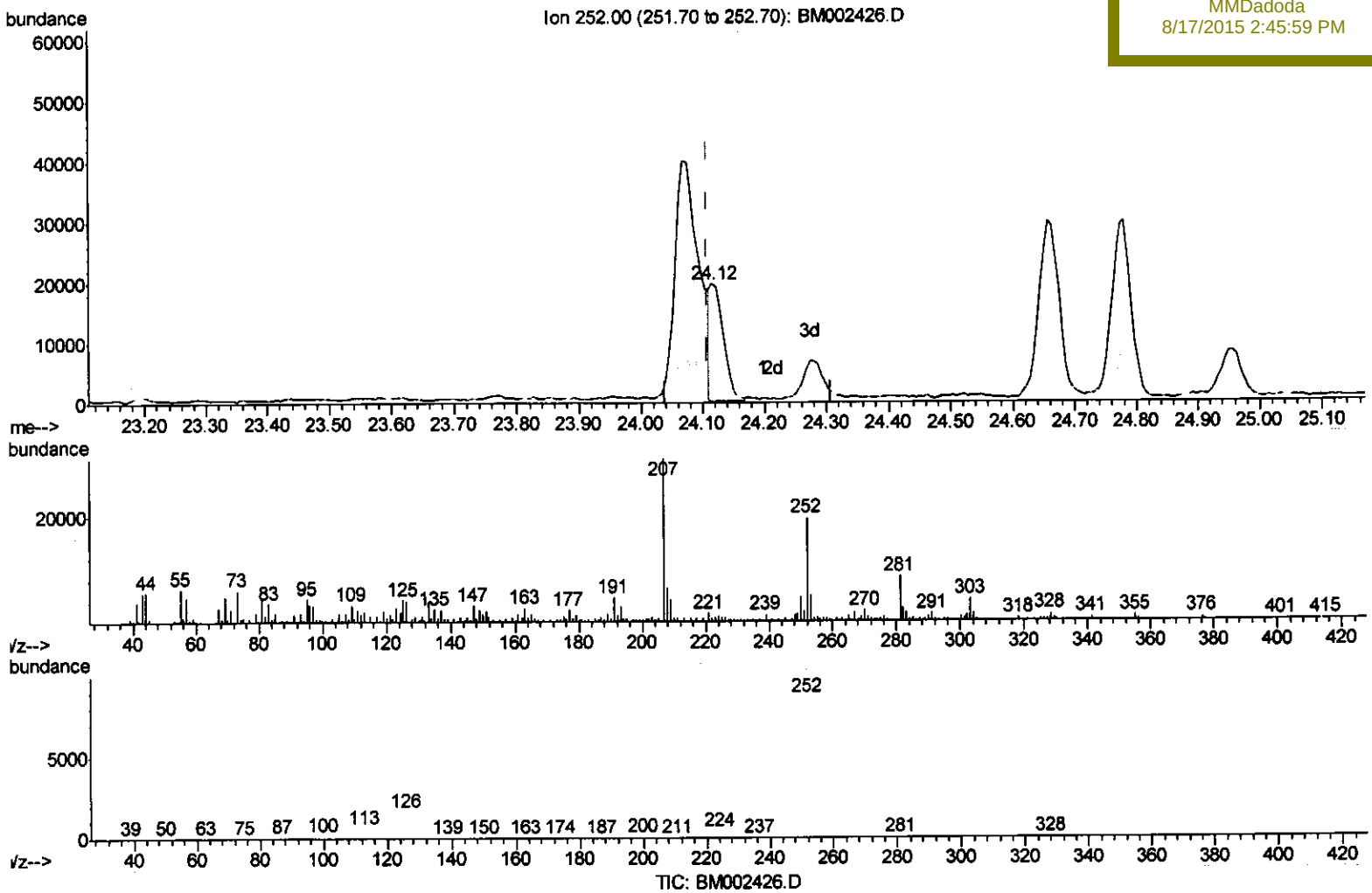
BNA_M
ClientSampleId :
D9DA8

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:45:59 PM



(24) Benzo(k)fluoranthene

24.115min (+0.006) 1.23ng/ul m > U.M. 08/18/15

response 27753

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	25.72
125.00	12.30	22.65#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002426.D
Acq On : 15 Aug 2015 15:58
Operator : UM/IZ
Sample : G3219-17
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Aug 17 05:02:55 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 : D9DA8

Manual Integrations APPROVED
MMDadoda
8/17/2015 2:45:59 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	162565	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	678308	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	341340	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	666392	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	449589	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	393004	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	526578	15.09	ng/ul	0.00
10) Fluorene-d10	16.42	176	356423	14.54	ng/ul	0.00
14) Anthracene-d10	18.25	188	491203	15.28	ng/ul	0.00
18) Pyrene-d10	20.47	212	425789	21.37	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	289539	14.03	ng/ul	0.01
Target Compounds						Qvalue
13) Phenanthrene	18.20	178	84503	2.20	ng/ul	99
16) Fluoranthene	20.14	202	151731	3.48	ng/ul	99
19) Pyrene	20.50	202	133602	5.07	ng/ul	98
20) Benzo(a)anthracene	22.22	228	61726	2.30	ng/ul#	95
21) Chrysene	22.27	228	78099	3.11	ng/ul#	95
23) Benzo(b)fluoranthene	24.07	252	106696	4.49	ng/ul#	94
24) Benzo(k)fluoranthene	24.12	252	27753m	1.23	ng/ul	
26) Benzo(a)pyrene	24.78	252	62998	2.78	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	27.71	276	51919	1.99	ng/ul	93
29) Benzo(g,h,i)perylene	28.59	276	58980	2.71	ng/ul#	93

U.M. 08/18/15

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