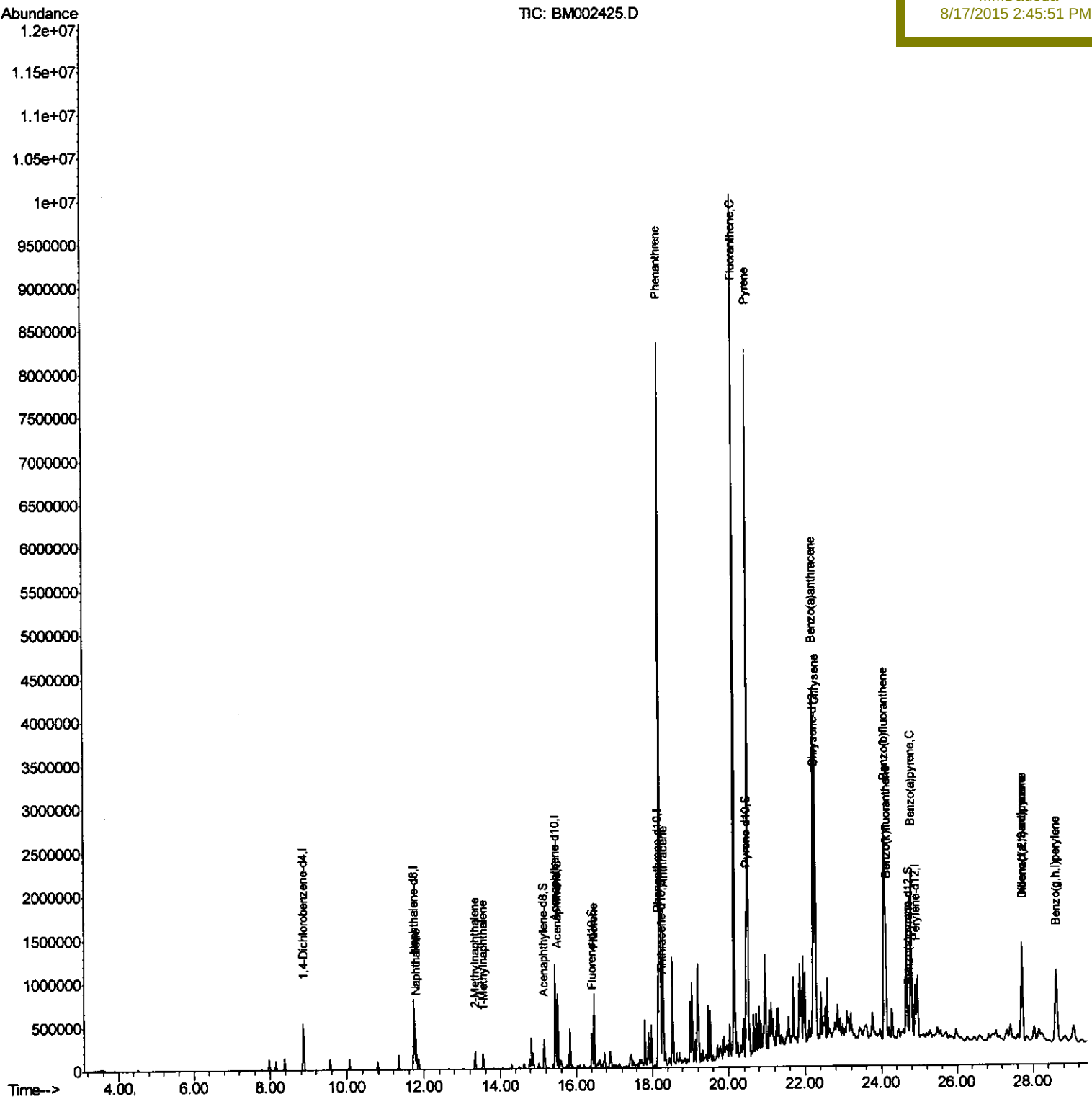


Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
Data File : BM002425.D
Acq On : 15 Aug 2015 15:21
Operator : UM/IZ
Sample : G3219-05 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 17 05:00:54 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
ClientSampled :
D9D98DL

Manual Integrations
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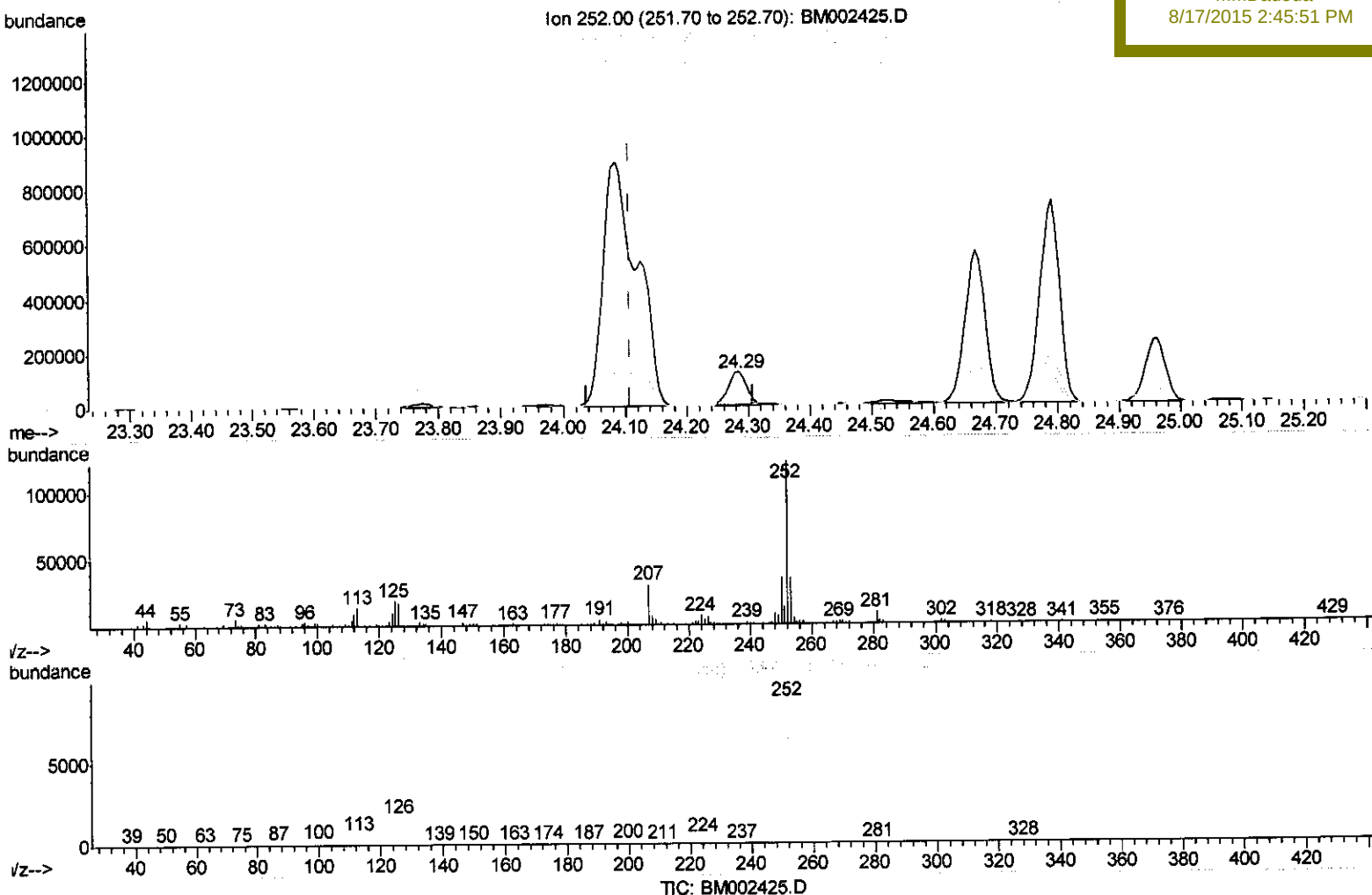
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Acq On : 15 Aug 2015 15:21
Operator : UM/IZ
Sample : G3219-05 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 17 02:57:41 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 :
D9D98DL

Manual Integrations
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(24) Benzo(k)fluoranthene

24.285min (+0.176) 8.48ng/ul

response 243725

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	29.17#
125.00	12.30	15.88#
0.00	0.00	0.00

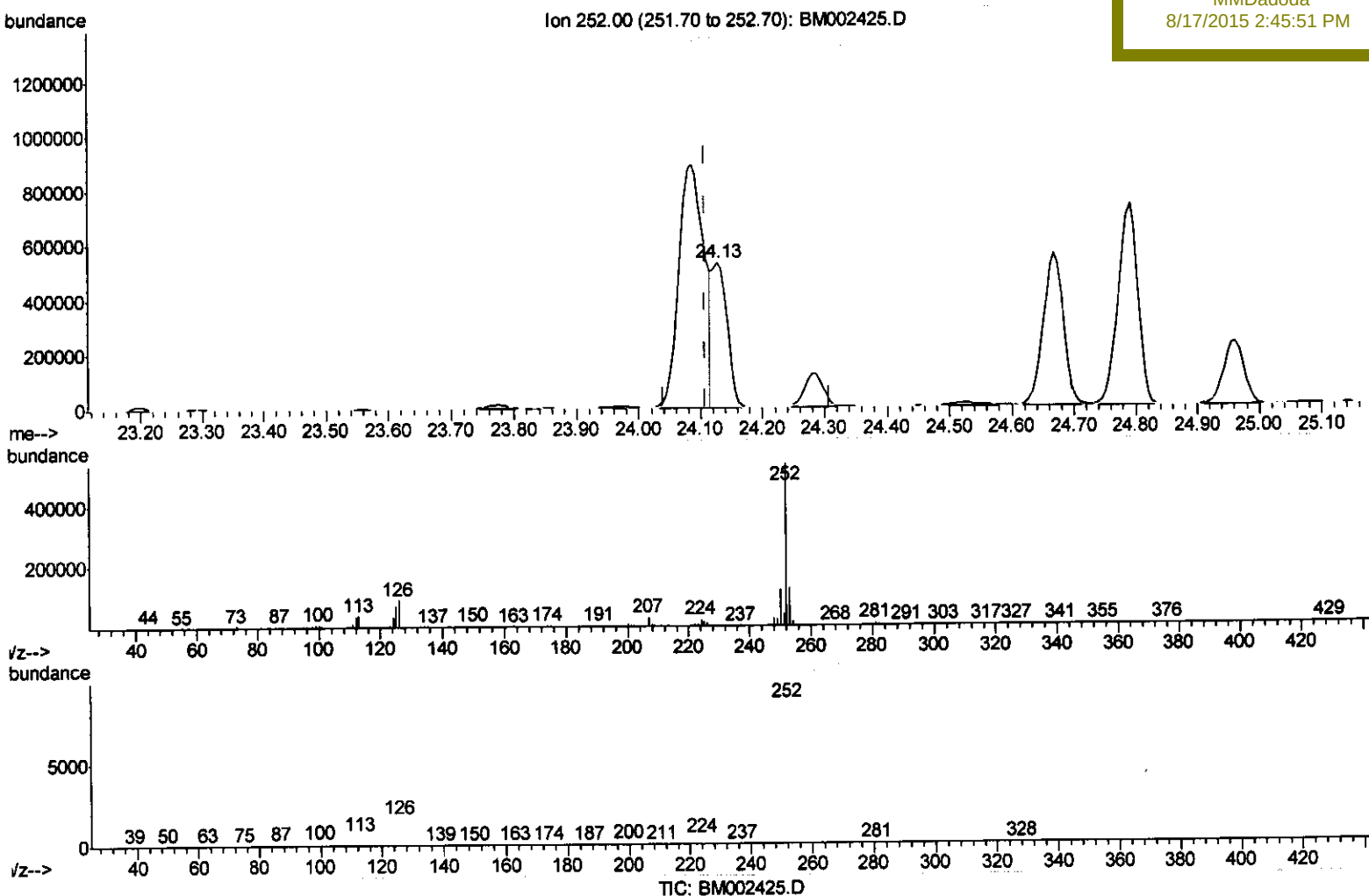
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002425.D
 Acq On : 15 Aug 2015 15:21
 Operator : UM/IZ
 Sample : G3219-05 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 17 02:57:41 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 :
 D9D98DL

Manual Integrations
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(24) Benzo(k)fluoranthene

24.127min (+0.018) 30.69ng/ul m

response 882457

> U.M.
 08/18/15

Ion	Exp%	Act%
252.00	100	100
253.00	22.20	23.35
125.00	12.30	12.79
0.00	0.00	0.00

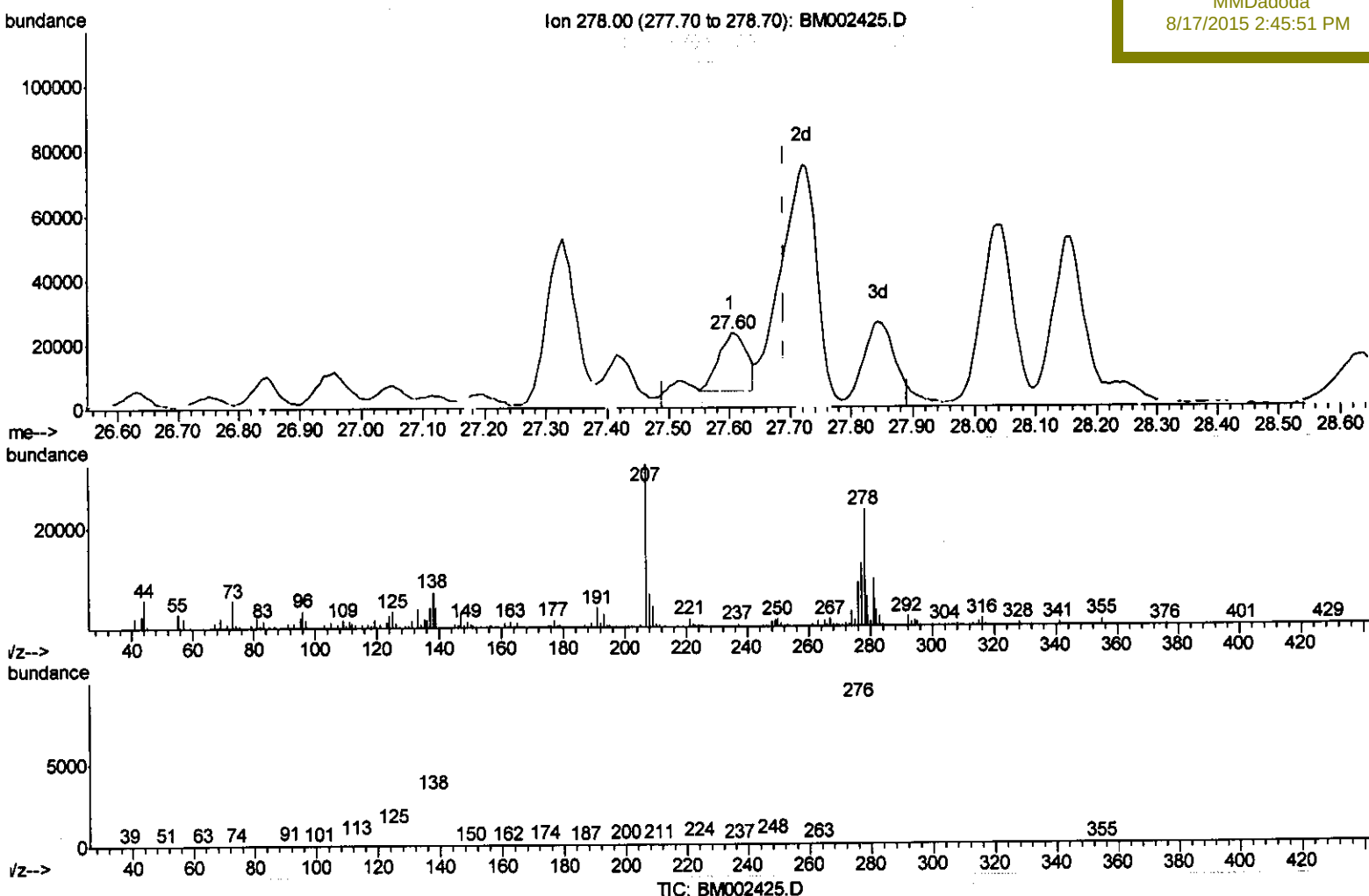
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002425.D
 Acq On : 15 Aug 2015 15:21
 Operator : UM/IZ
 Sample : G3219-05 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Aug 17 02:57:41 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 :
 D9D98DL

Manual Integrations
 APPROVED

MMDadoda
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(28) Dibenzo(a,h)anthracene

27.603min (-0.088) 2.06ng/ul

response 57360

Ion	Exp%	Act%
278.00	100	100
139.00	20.60	17.85
279.00	23.50	26.40
0.00	0.00	0.00

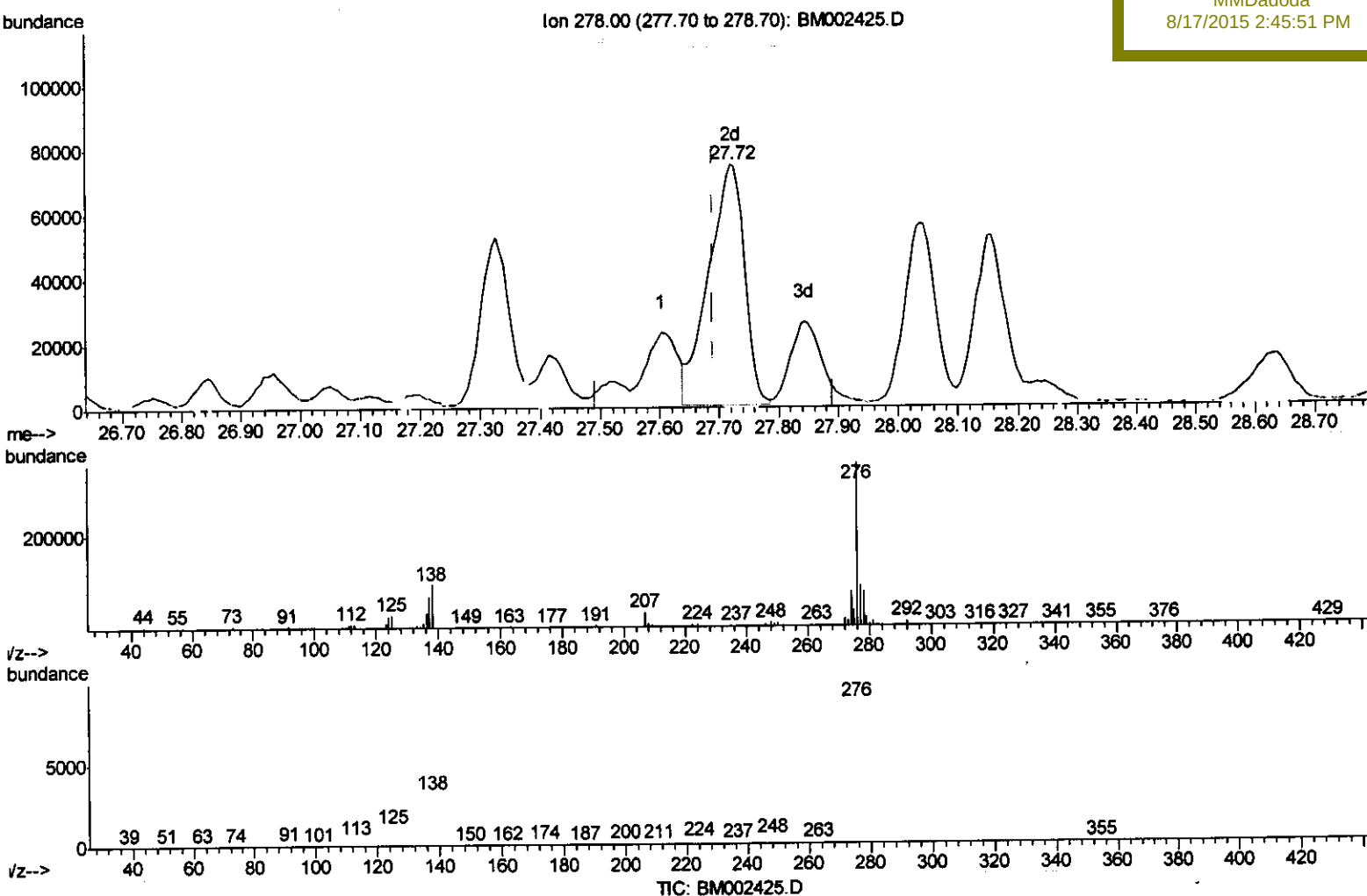
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002425.D
 Acq On : 15 Aug 2015 15:21
 Operator : UM/IZ
 Sample : G3219-05 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sampled :
 D9D98DL

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:45:51 PM

Quant Time: Aug 17 02:57:41 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



(28) Dibenzo(a,h)anthracene

27.720min (+0.029) 11.25ng/ul m > U.M.
 08/18/15

response 313556

Ion	Exp%	Act%
278.00	100	100
139.00	20.60	0.00#
279.00	23.50	26.05
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002425.D
 Acq On : 15 Aug 2015 15:21
 Operator : UM/IZ
 Sample : G3219-05 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D98DL

Quant Time: Aug 17 05:00:54 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

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	163465	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	758570	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	407447	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	816174	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	564592	20.00	ng/ul	0.01
22) Perylene-d12	24.90	264	501914	20.00	ng/ul	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.15	160	253742	6.09	ng/ul	0.00
10) Fluorene-d10	16.42	176	171201	5.85	ng/ul	0.00
14) Anthracene-d10	18.26	188	236907	6.02	ng/ul	0.01
18) Pvrene-d10	20.47	212	186335	7.45	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.73	264	108637	4.12	ng/ul	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	11.79	128	315626	8.15	ng/ul	100
4) 2-Methylnaphthalene	13.33	142	99854	3.44	ng/ul	99
5) 1-Methylnaphthalene	13.54	142	87927	3.06	ng/ul	98
9) Acenaphthene	15.51	153	379744	13.22	ng/ul	99
11) Fluorene	16.47	166	392752	11.93	ng/ul	99
13) Phenanthrene	18.21	178	5623262	119.31	ng/ul	98
15) Anthracene	18.29	178	1008188	21.11	ng/ul	100
16) Fluoranthene	20.16	202	6943237	130.12	ng/ul#	94
19) Pvrene	20.51	202	5585939	168.88	ng/ul	96
20) Benzo(a)anthracene	22.22	228	2150889	63.71	ng/ul	99
21) Chrysene	22.28	228	2068118	65.49	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	2536665	83.60	ng/ul	98
24) Benzo(k)fluoranthene	24.13	252	882457m	30.69	ng/ul	99
26) Benzo(a)pvrene	24.79	252	1640882	56.62	ng/ul	99
27) Indeno(1,2,3-cd)pvrene	27.73	276	1251626	37.55	ng/ul	93
28) Dibenzo(a,h)anthracene	27.72	278	313556m	11.25	ng/ul	99
29) Benzo(a,h,i)perylene	28.61	276	1140466	41.11	ng/ul	99

} u.m.
 08/18/15

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