

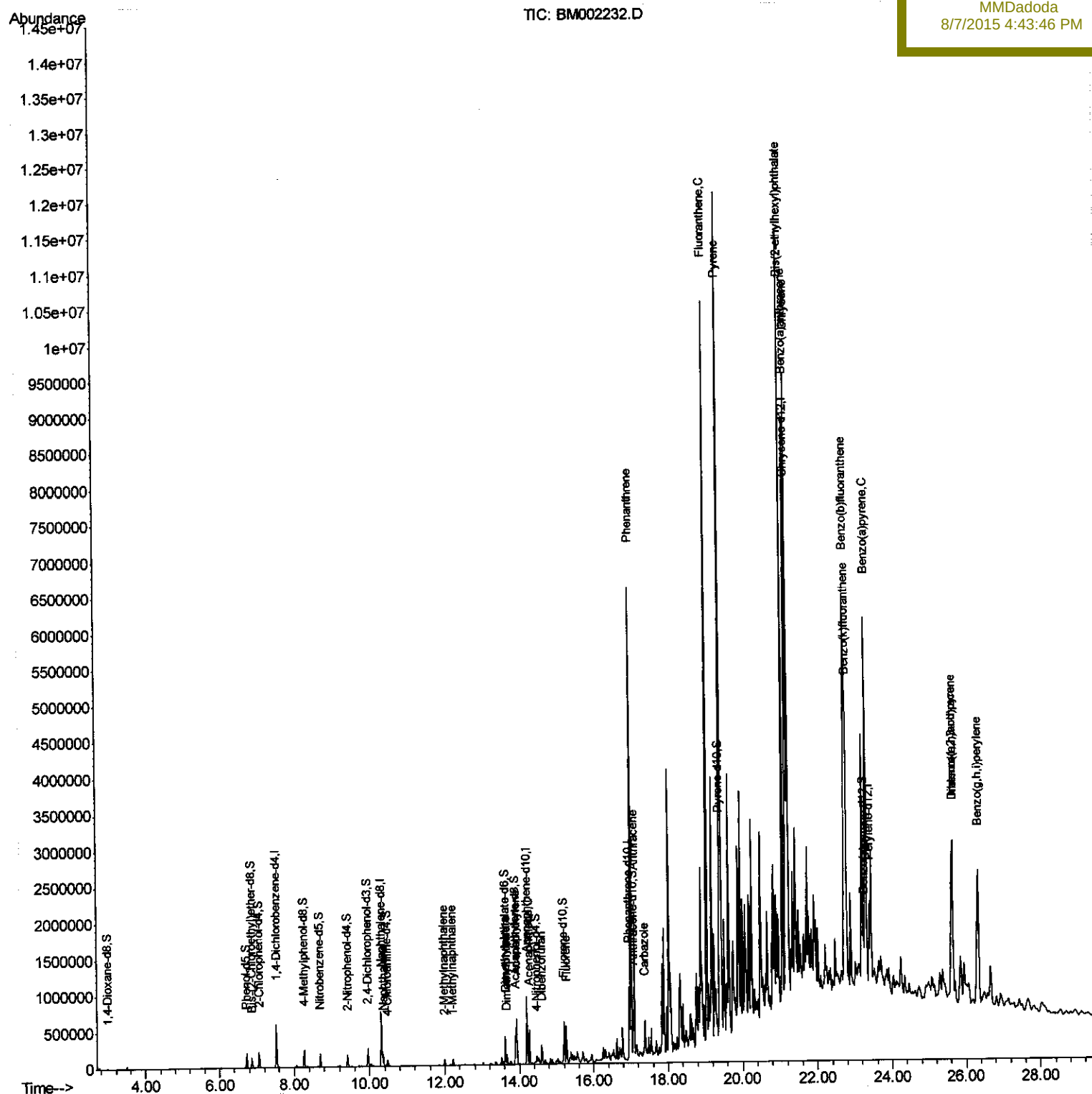
```
Misc      :
ALS Vial  : 22    Sample Multiplier: 1
```

Quant Time: Aug 05 06:42:48 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations

MMDadoda
8/7/2015 4:43:46 PM



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE

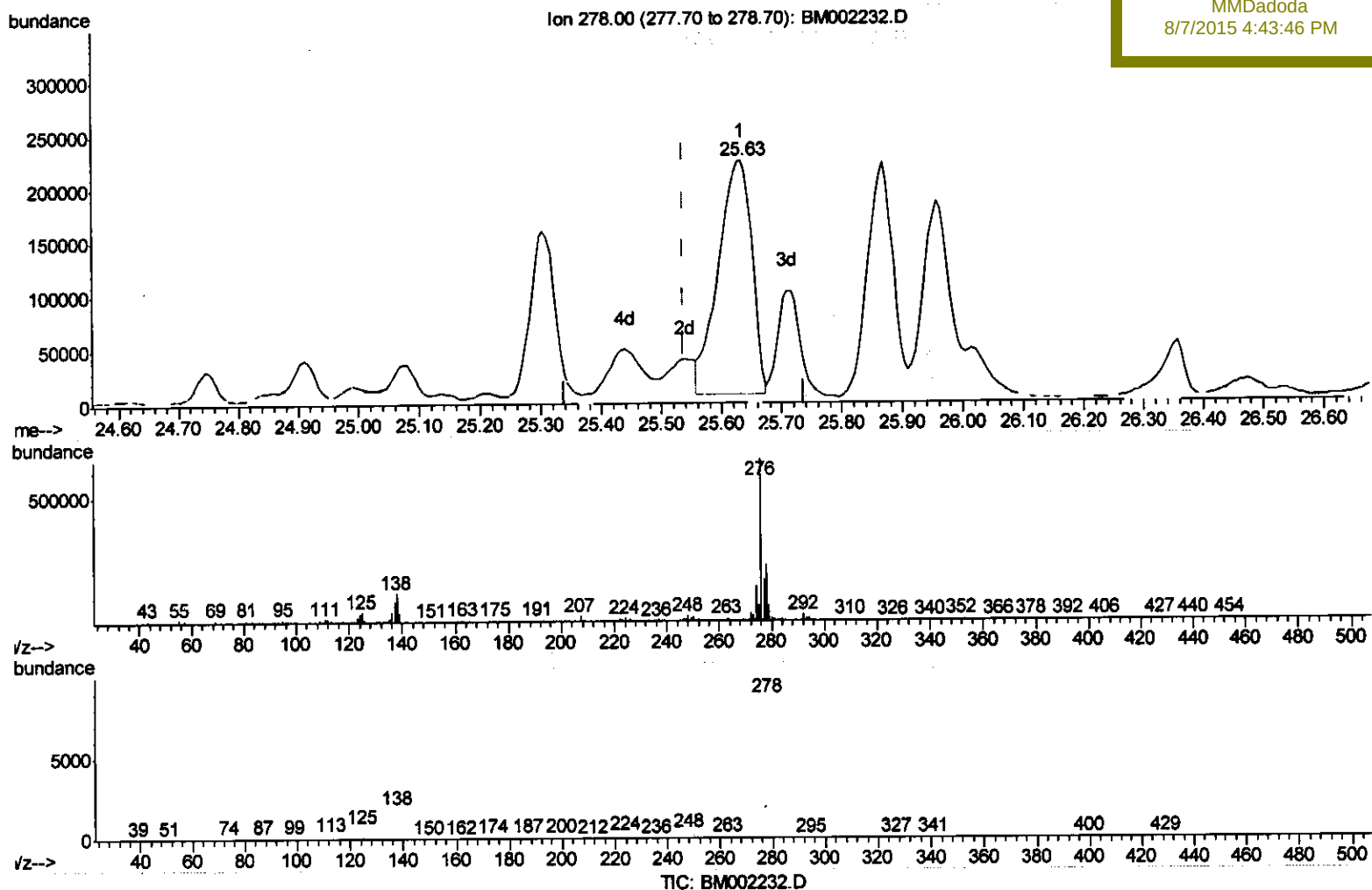
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 05 05:34:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations
APPROVED

MMMadoda
8/7/2015 4:43:46 PM



(93) Dibenzo(a,h)anthracene

25.633min (+0.095) 19.03ng/ul m

response 836379

Ion	Exp%	Act%
278.00	100	100
139.00	13.00	15.06
279.00	22.40	28.79#
0.00	0.00	0.00

T.P.
08/07/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE

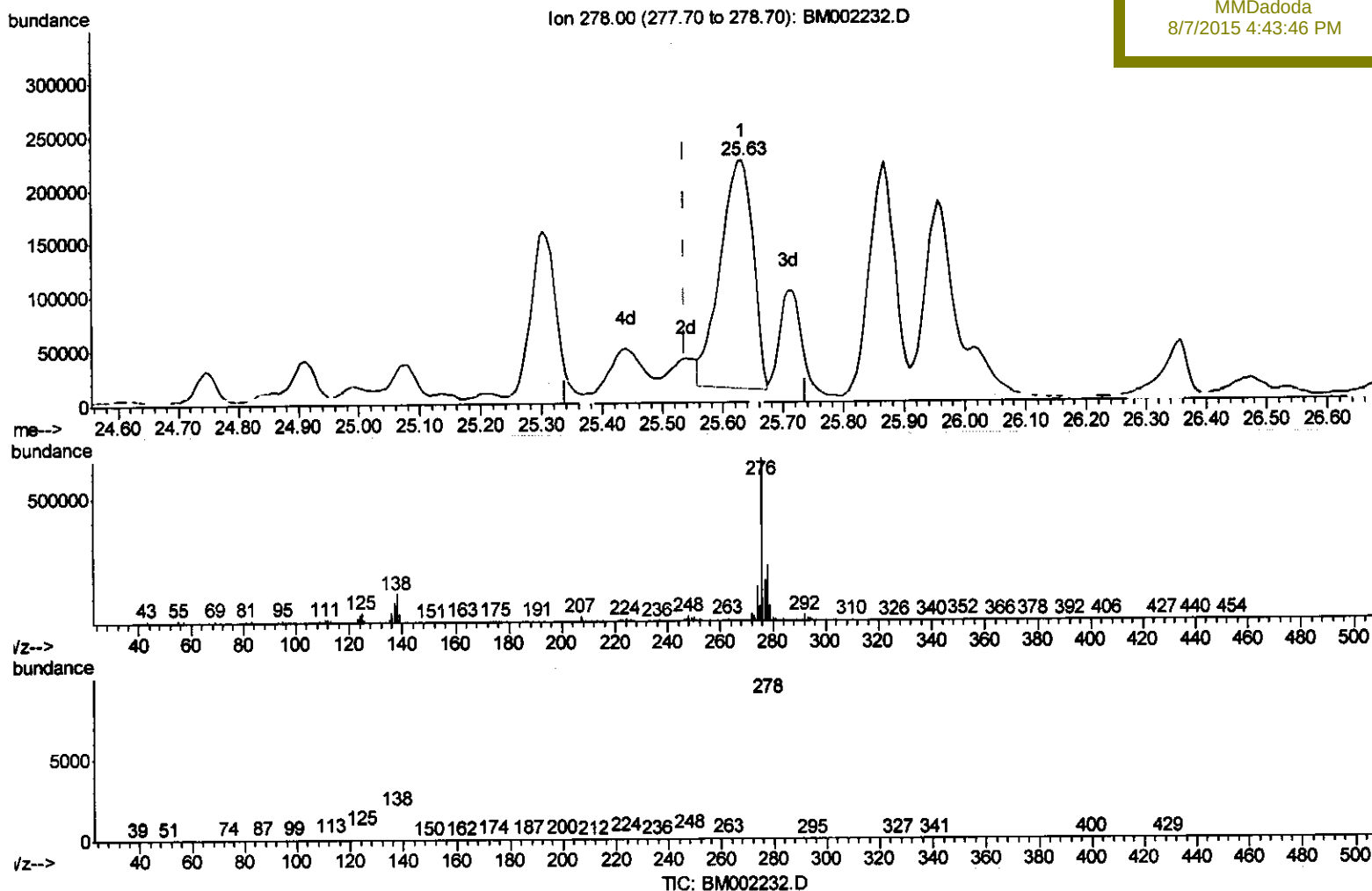
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 05 05:34:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:43:46 PM



(93) Dibenzo(a,h)anthracene

25.633min (+0.095) 18.24ng/ul

response 801415

Ion	Exp%	Act%
278.00	100	100
139.00	13.00	15.06
279.00	22.40	28.79#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE

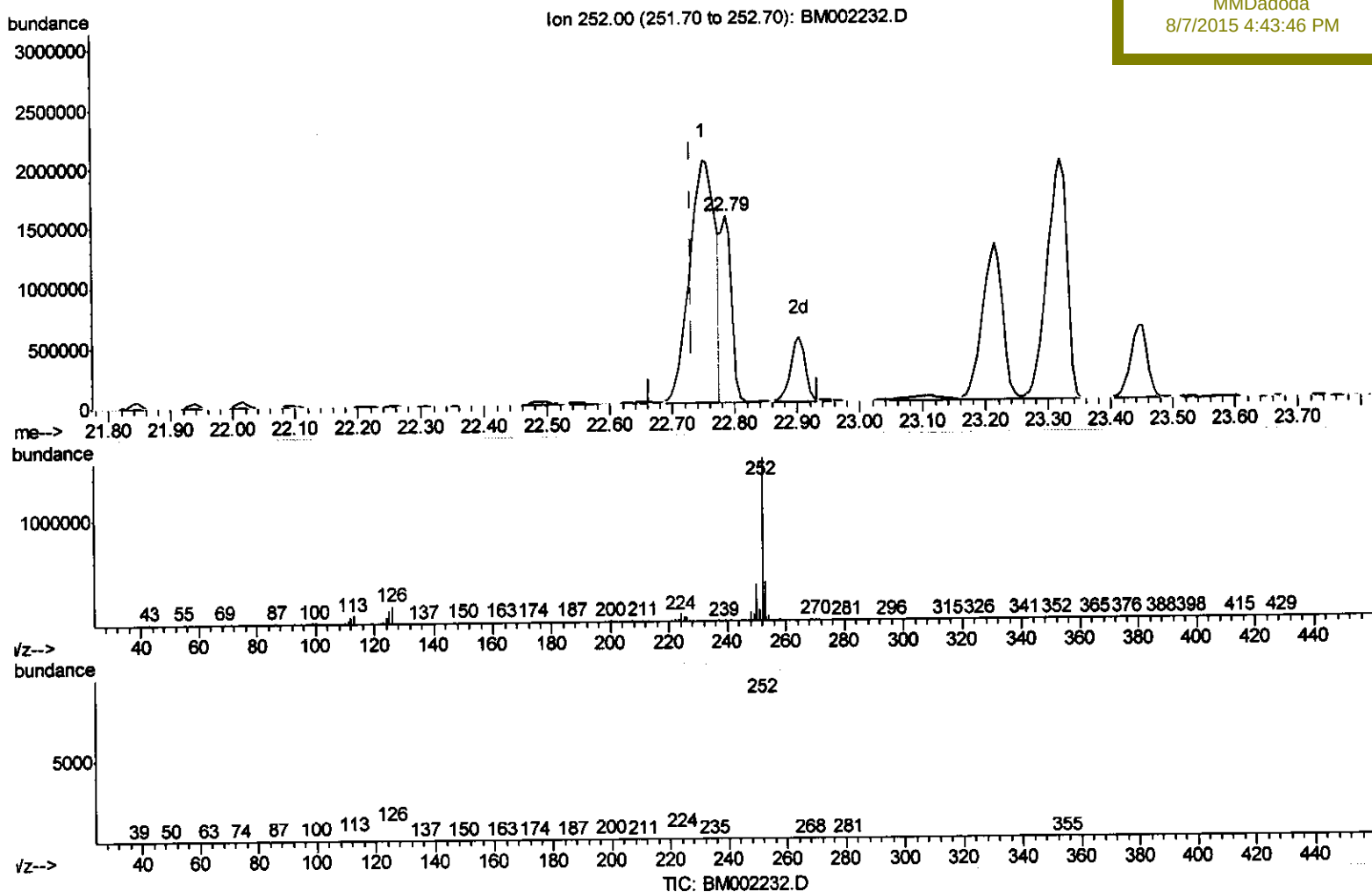
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 05 05:34:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:43:46 PM



(89) Benzo(k)fluoranthene

22.786min (+0.053) 40.56ng/ul m

response 1880726

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.74
125.00	7.00	8.10
0.00	0.00	0.00

T.P
08/07/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE

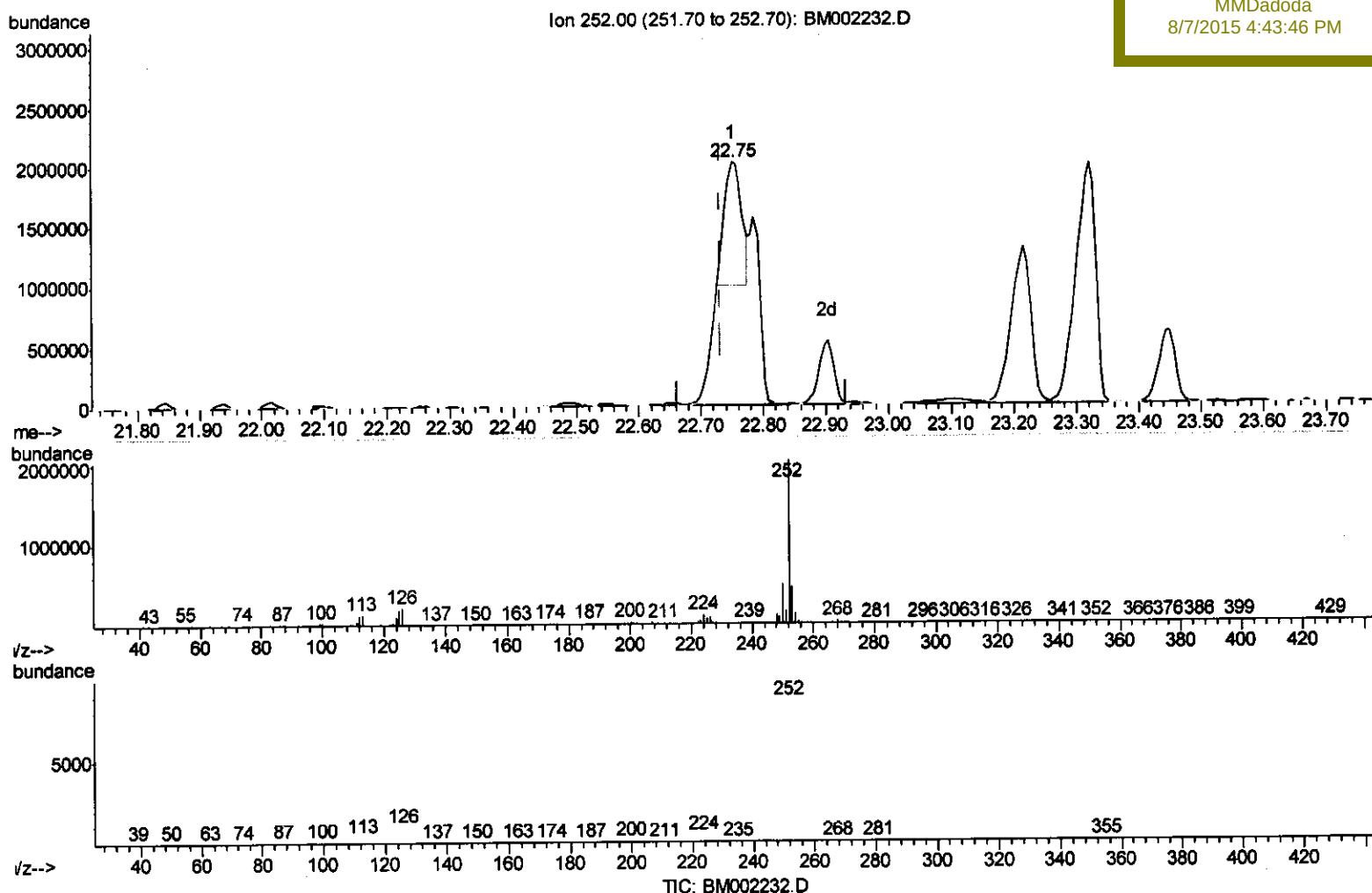
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 05 05:34:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
Client Sampled :
C01R8RE

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:43:46 PM



(89) Benzo(k)fluoranthene

22.751min (+0.018) 43.06ng/ul

response 1996968

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.89
125.00	7.00	9.22#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002232.D
 Acq On : 05 Aug 2015 04:45
 Operator : TP/UM
 Sample : G3095-08RE

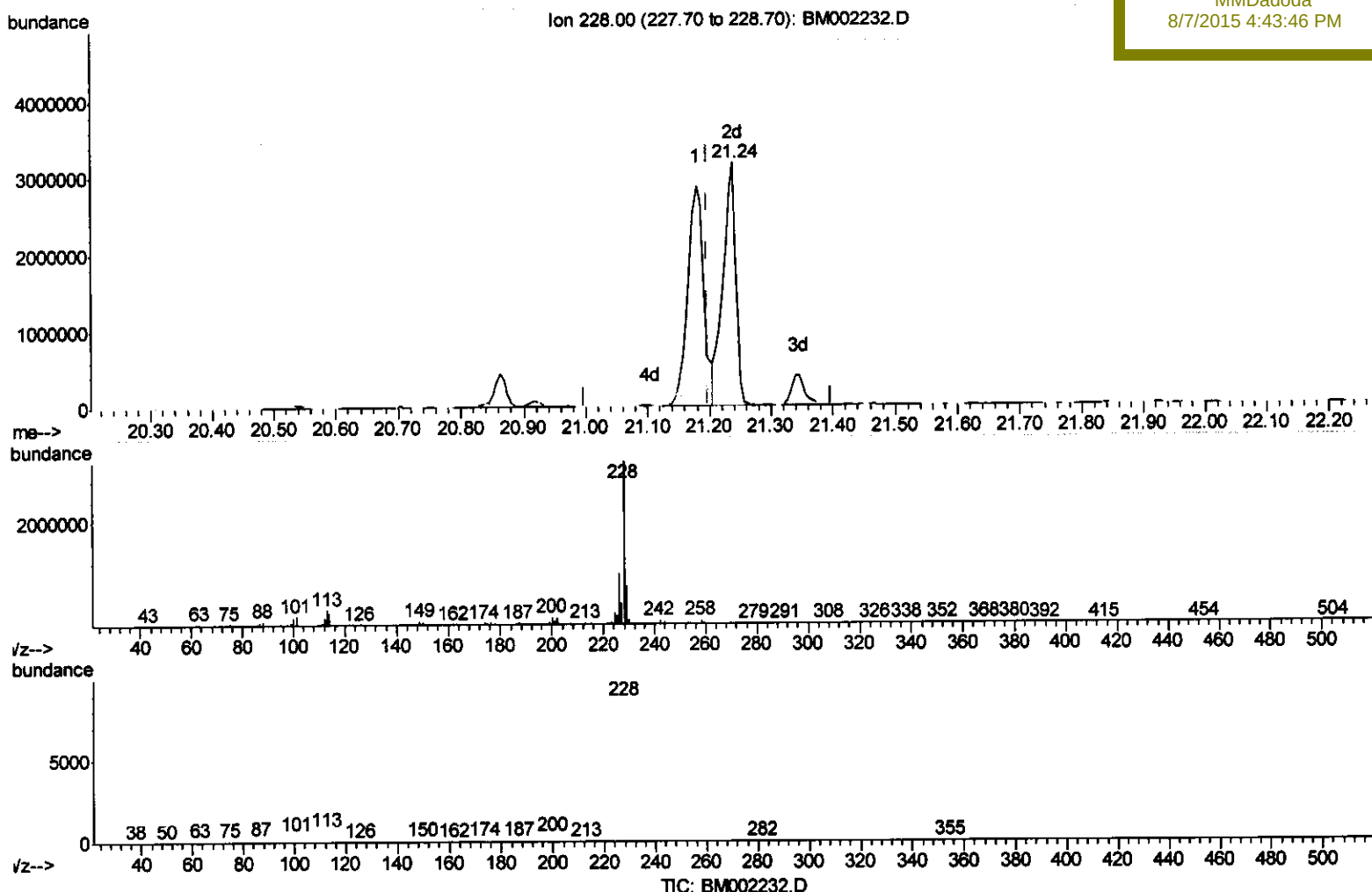
Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 05 05:34:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 C01R8RE

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:43:46 PM



(85) Chrysene

21.239min (+0.042) 103.63ng/ul m

response 4681633

Ion	Exp%	Act%
228.00	100	100
226.00	27.80	30.54
229.00	19.40	23.42#
0.00	0.00	0.00

Handwritten signature: T.P.
Handwritten date: 08/07/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE

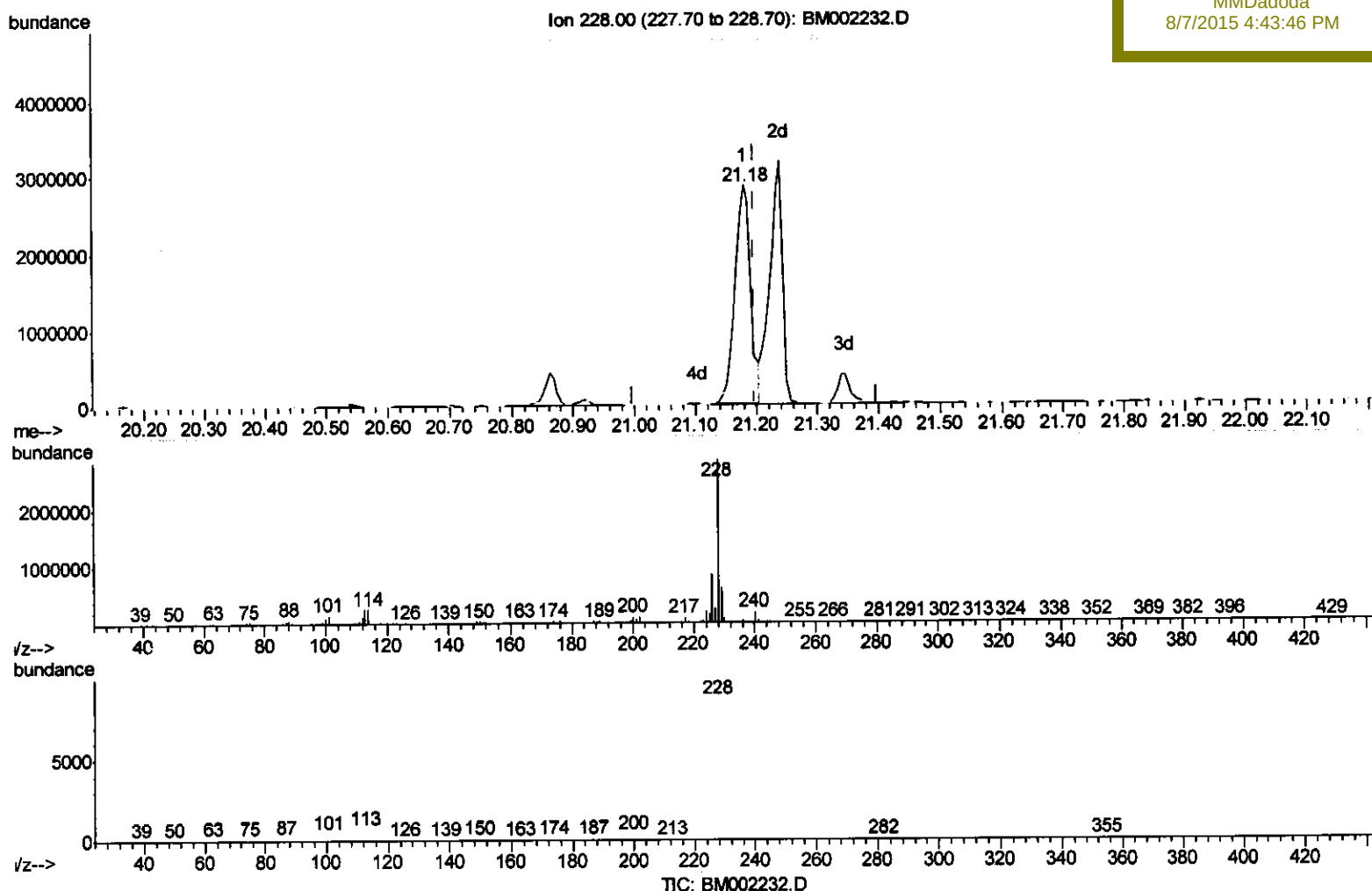
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 05 05:34:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:43:46 PM



(85) Chrysene

21.180min (-0.017) 113.71ng/ul

response 5137086

Ion	Exp%	Act%
228.00	100	100
226.00	27.80	29.18
229.00	19.40	21.35
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE

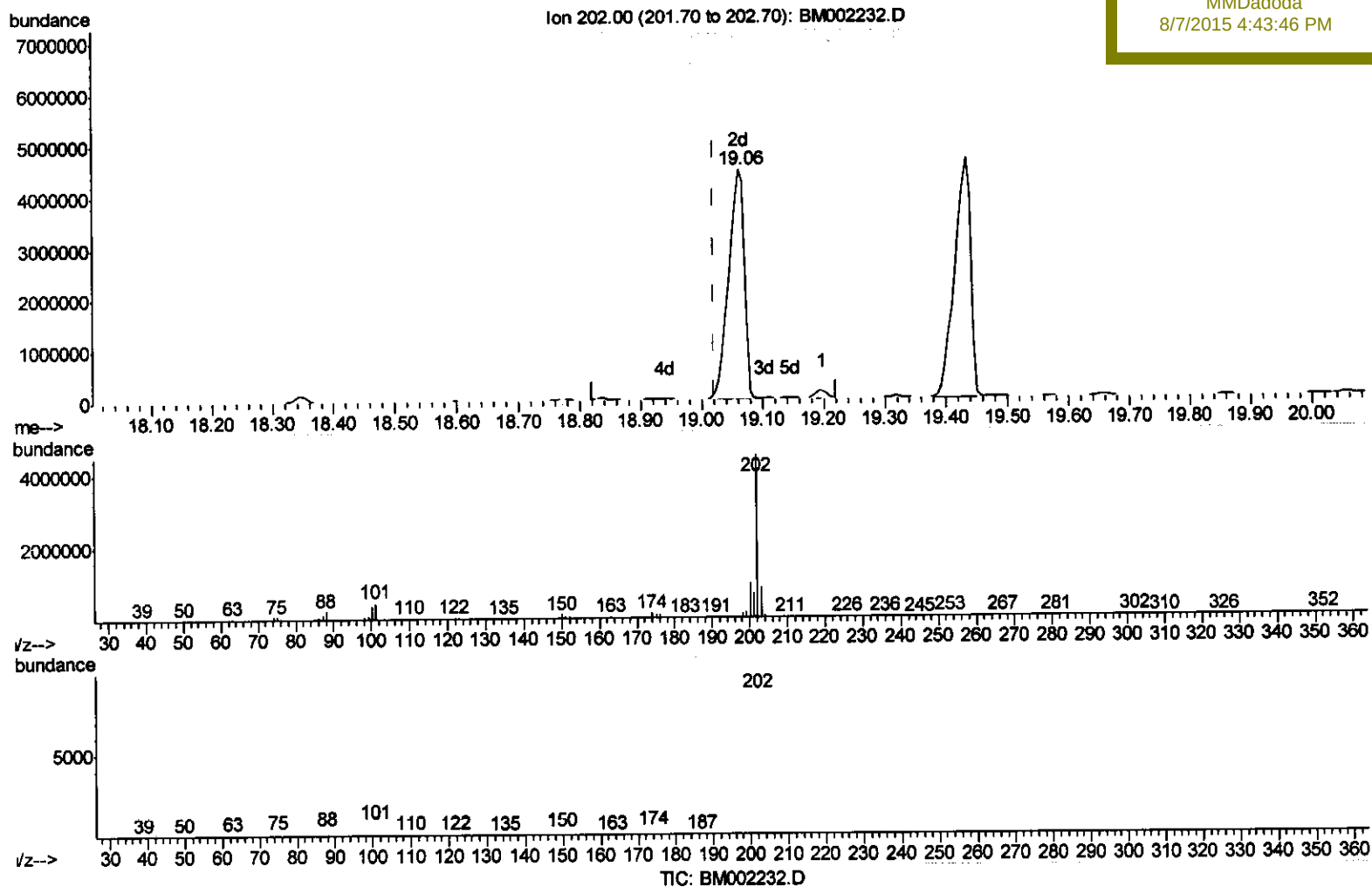
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 05 05:34:20 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:43:46 PM



(77) Fluoranthene (C)

19.063min (+0.042) 215.66ng/ul m

response 8086463

Ion	Exp%	Act%
202.00	100	100
101.00	7.70	10.53#
100.00	6.00	8.06#
0.00	0.00	0.00

T.P
08/07/15

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080415\
 Data File : BM002232.D
 Acq On : 05 Aug 2015 04:45
 Operator : TP/UM
 Sample : G3095-08RE

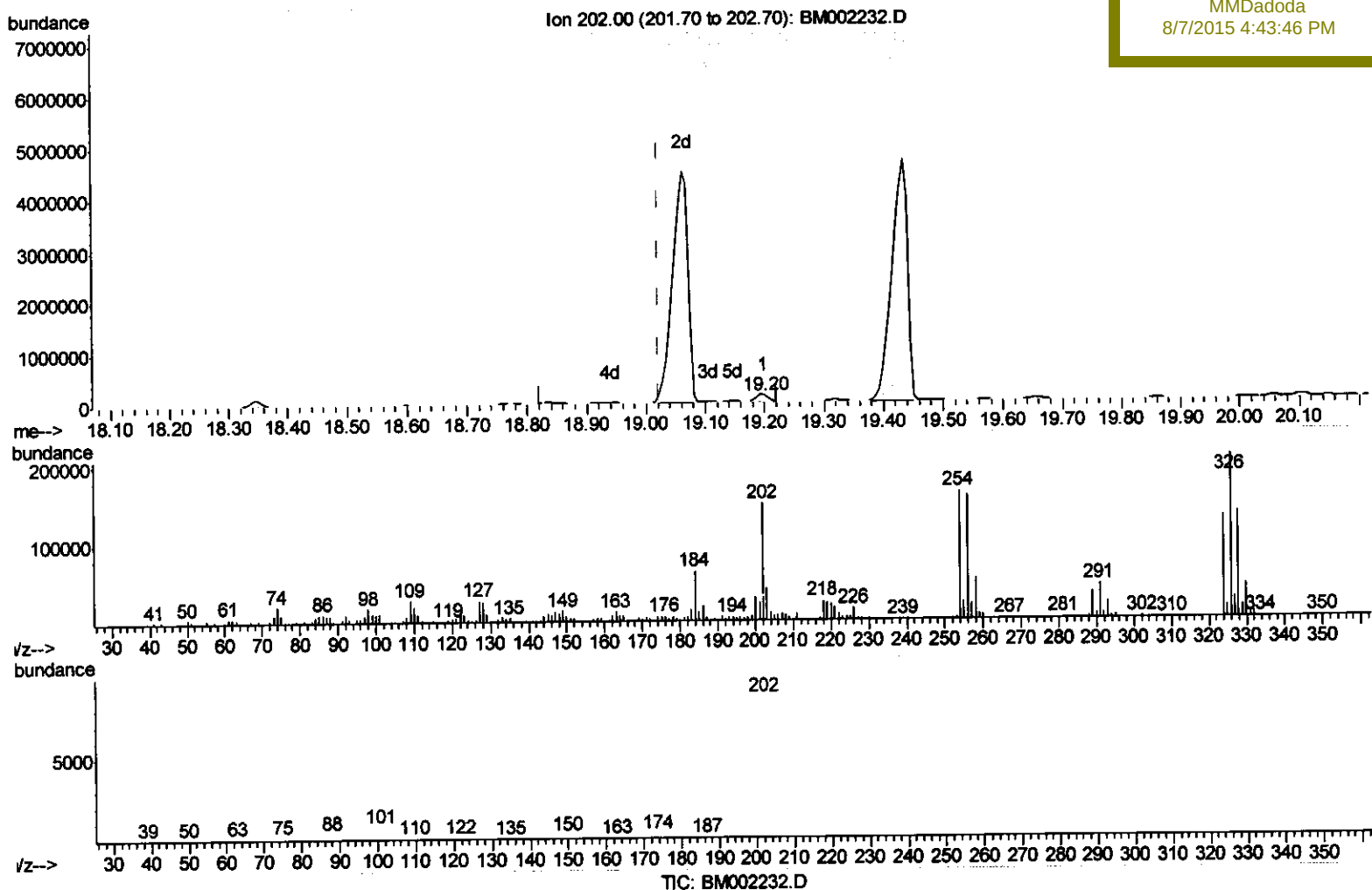
Misc :
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 05 05:34:20 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 05 02:56:04 2015
 Response via : Initial Calibration

Instrument :
 BNA_M
 ClientSampleId :
 C01R8RE

Manual Integrations
 APPROVED

MMDadoda
 8/7/2015 4:43:46 PM



(77) Fluoranthene (C)

19.198min (+0.177) 5.08ng/ul

response 190662

Ion	Exp%	Act%
202.00	100	100
101.00	7.70	7.71
100.00	6.00	6.57
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 13 18:46:12 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C01R8RE

Manual Integrations
APPROVED

MMDadoda
8/7/2015 4:43:46 PM

Internal Standards	R.T.	QI	on	Response	Conc	Units	Dev(Min)
--------------------	------	----	----	----------	------	-------	----------

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

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080415\
Data File : BM002232.D
Acq On : 05 Aug 2015 04:45
Operator : TP/UM
Sample : G3095-08RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 13 18:46:12 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 05 02:56:04 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampled :
C01R8RE

Manual Integrations
APPROVED
MMDadoda
8/7/2015 4:43:46 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	163794	20.00	ng/ul	0.01
18) Naphthalene-d8	10.32	136	612549	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	320482	20.00	ng/ul	0.01
62) Phenanthrene-d10	16.97	188	667262	20.00	ng/ul	0.02
78) Chrysene-d12	21.20	240	875908	20.00	ng/ul	0.04
86) Perylene-d12	23.40	264	849865	20.00	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.96	96	3821	1.33	ng/uL	0.00
5) Phenol-d5	6.73	99	112270	9.23	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.86	67	61100	9.61	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	97427	9.37	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	89683	8.87	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	46215	10.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	51542	9.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	96586	9.64	ng/ul	0.01
29) 4-Chloroaniline-d4	10.47	131	49716	4.48	ng/ul	0.01
44) Dimethylphthalate-d6	13.62	166	254286	10.91	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	320419	10.88	ng/ul	0.01
52) 4-Nitrophenol-d4	14.47	143	29940	9.91	ng/ul	0.02
58) Fluorene-d10	15.20	176	220913	10.73	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.38	200	2238	0.58	ng/ul	0.03
71) Anthracene-d10	17.07	188	328579	11.06	ng/ul	0.02
79) Pyrene-d10	19.39	212	373478	8.91	ng/ul	0.03
90) Benzo(a)pyrene-d12	23.26	264	432447	10.48	ng/ul	0.05
Target Compounds						
28) Naphthalene	10.36	128	122749	4.24	ng/ul	99
34) 2-Methylnaphthalene	11.99	142	41556	1.86	ng/ul	100
45) Dimethylphthalate	13.66	163	76360	3.28	ng/ul	99
48) Acenaphthylene	13.93	152	465332	15.49	ng/ul	99
50) Acenaphthene	14.27	153	189606	9.66	ng/ul	97
54) Dibenzofuran	14.61	168	125788	4.42	ng/ul	98
59) Fluorene	15.26	166	229189	9.80	ng/ul	99
70) Phenanthrene	17.02	178	4306640	125.70	ng/ul	99
72) Anthracene	17.10	178	1171451	33.45	ng/ul	99
75) Carbazole	17.38	167	286177	9.81	ng/ul	99
77) Fluoranthene	19.06	202	8086463m	215.66	ng/ul	
80) Pyrene	19.43	202	8426614	156.52	ng/ul#	91
83) Benzo(a)anthracene	21.18	228	5137086	104.69	ng/ul	95
84) Bis(2-ethylhexyl)phthalate	21.09	149	4064124	147.17	ng/ul	96
85) Chrysene	21.24	228	4681633m	103.63	ng/ul	
88) Benzo(b)fluoranthene	22.75	252	5736643	119.80	ng/ul#	96
89) Benzo(k)fluoranthene	22.79	252	1880726m	40.56	ng/ul	
91) Benzo(a)pyrene	23.32	252	4407952	96.38	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.65	276	2840143	55.11	ng/ul	96
93) Dibenzo(a,h)anthracene	25.63	278	836379m	19.03	ng/ul	
94) Benzo(a,h,i)perylene	26.34	276	2544201	59.28	ng/ul	98

T.P
08/07/15