Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
Data File : BM002316.D
Acq On : 10 Aug 2015 17:14
Operator : UM/IZ
Sample : G3065-21DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 11 01:45:56 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 11 01:34:33 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C02G6DL

Manual Integrations APPROVED
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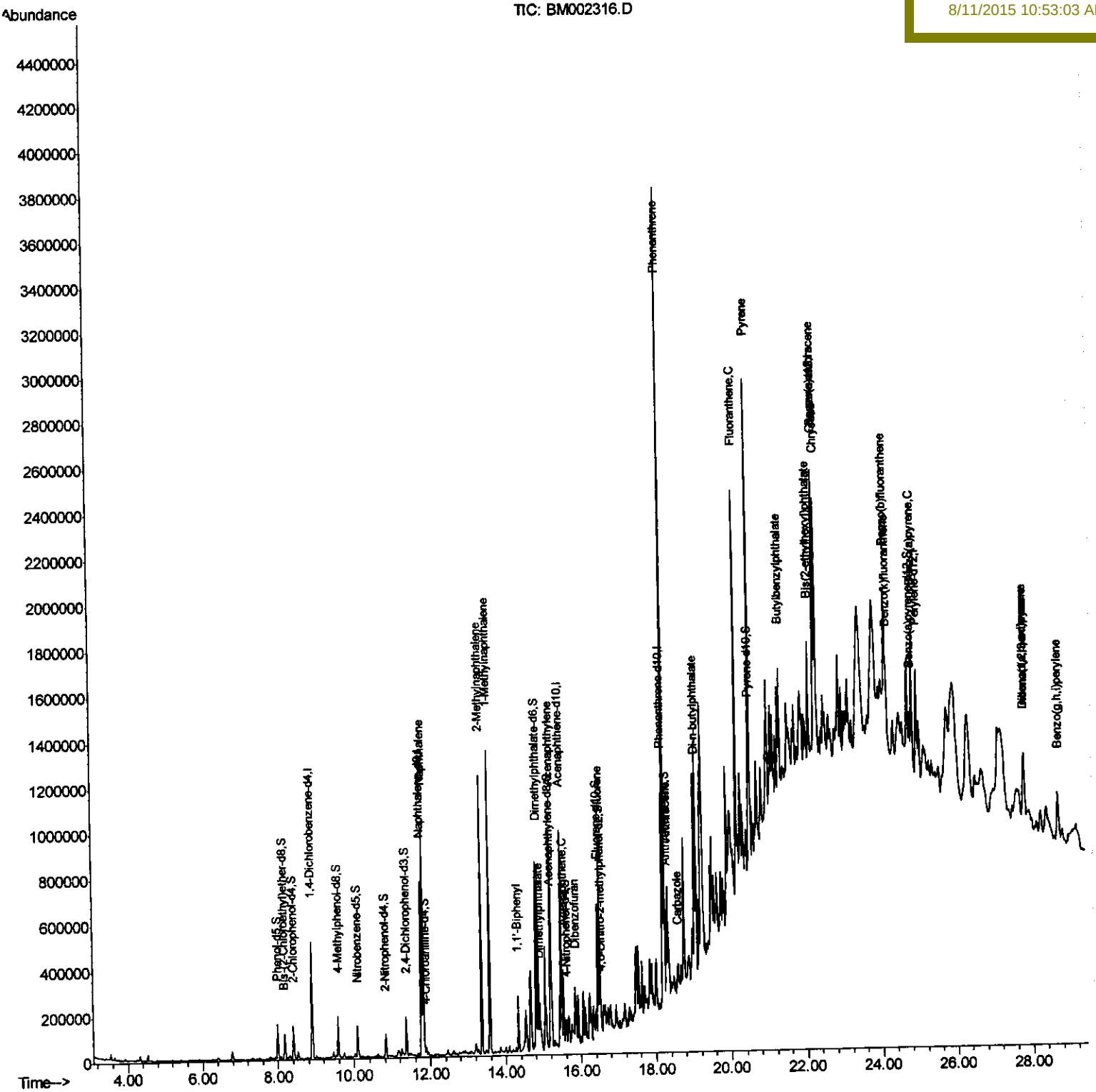
8/11/2015 10:53:03 AM

TIC: BM002316.D



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
Data File : BM002316.D
Acq On : 10 Aug 2015 17:14
Operator : UM/IZ
Sample : G3065-21DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 11 04:30:26 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 11 01:34:33 2015
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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Manual Integrations APPROVED
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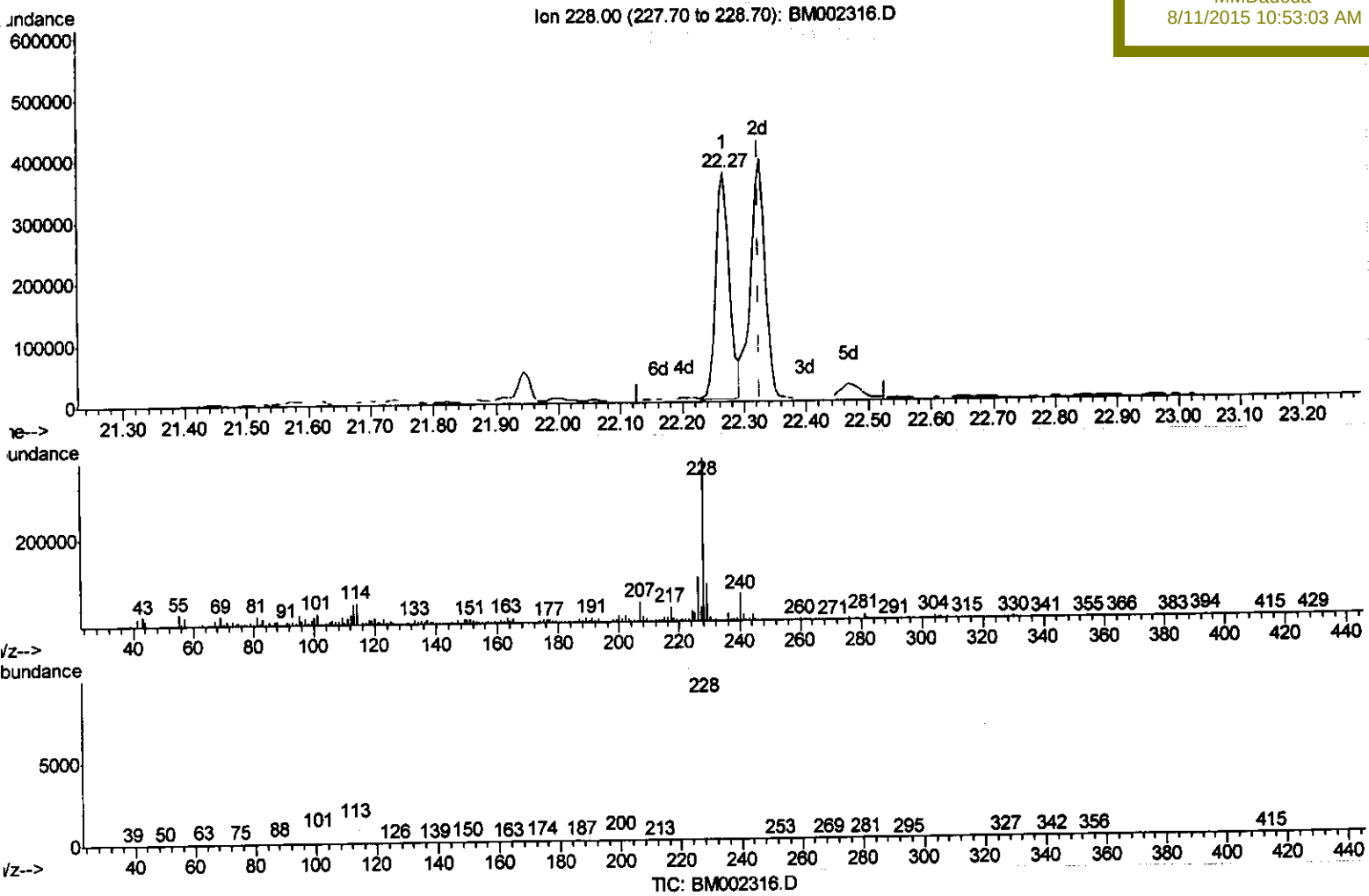

(85) Chrysene

22.268min (-0.059) 25.65ng/ul

response 568199

Ion	Exp%	Act%
228.00	100	100
226.00	29.20	27.80
229.00	19.40	23.10
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
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Sample : G3065-21DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 11 01:45:56 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
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Instrument :
BNA_M
ClientSampleId :
C02G6DL

Manual Integrations APPROVED
MMDadoda
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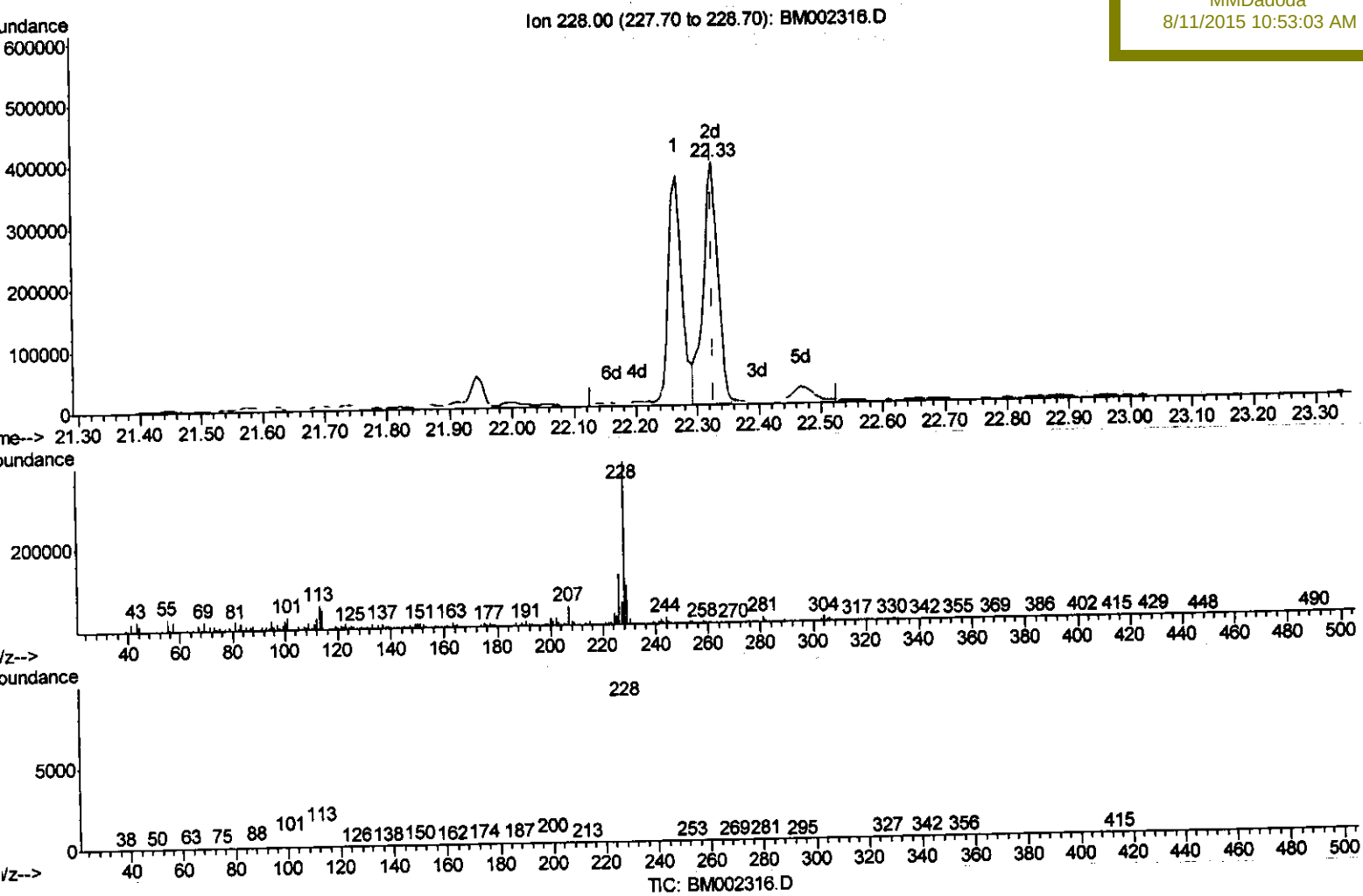


(85) Chrysene

22.327min (-0.000) 29.41ng/ul m

response 651382

U.M 08/11/15

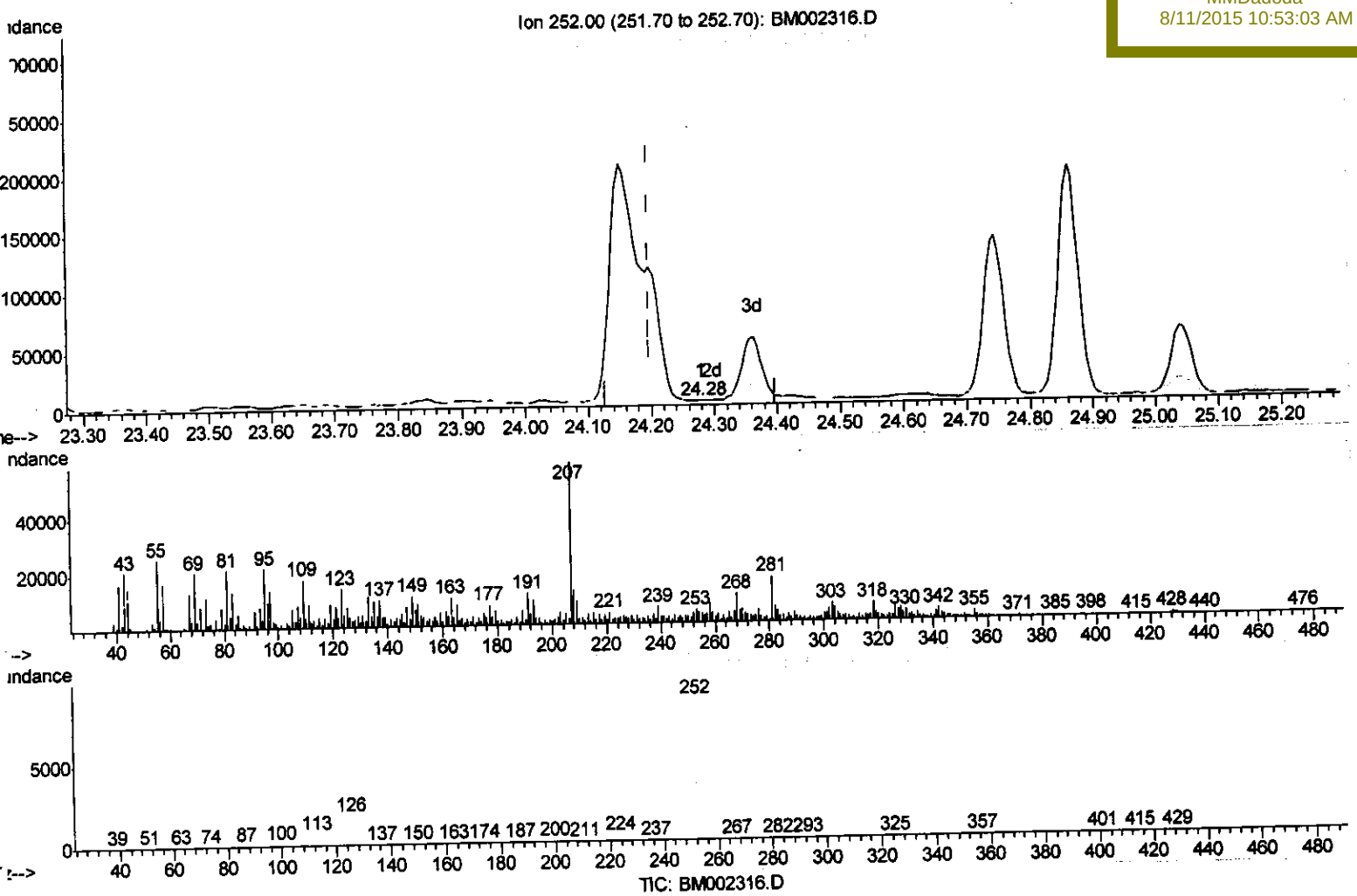
Ion	Exp%	Act%
228.00	100	100
226.00	29.20	30.68
229.00	19.40	24.25#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
Data File : BM002316.D
Acq On : 10 Aug 2015 17:14
Operator : UM/IZ
Sample : G3065-21DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 11 04:30:26 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 11 01:34:33 2015
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C02G6DL

Manual Integrations APPROVED
MMDadoda
8/11/2015 10:53:03 AM



(89) Benzo(k)fluoranthene

24.280min (+0.082) 0.02ng/ul

response 347

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	120.31#
125.00	12.80	181.50#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
Data File : BM002316.D
Acq On : 10 Aug 2015 17:14
Operator : UM/IZ
Sample : G3065-21DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 11 01:45:56 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 11 01:34:33 2015
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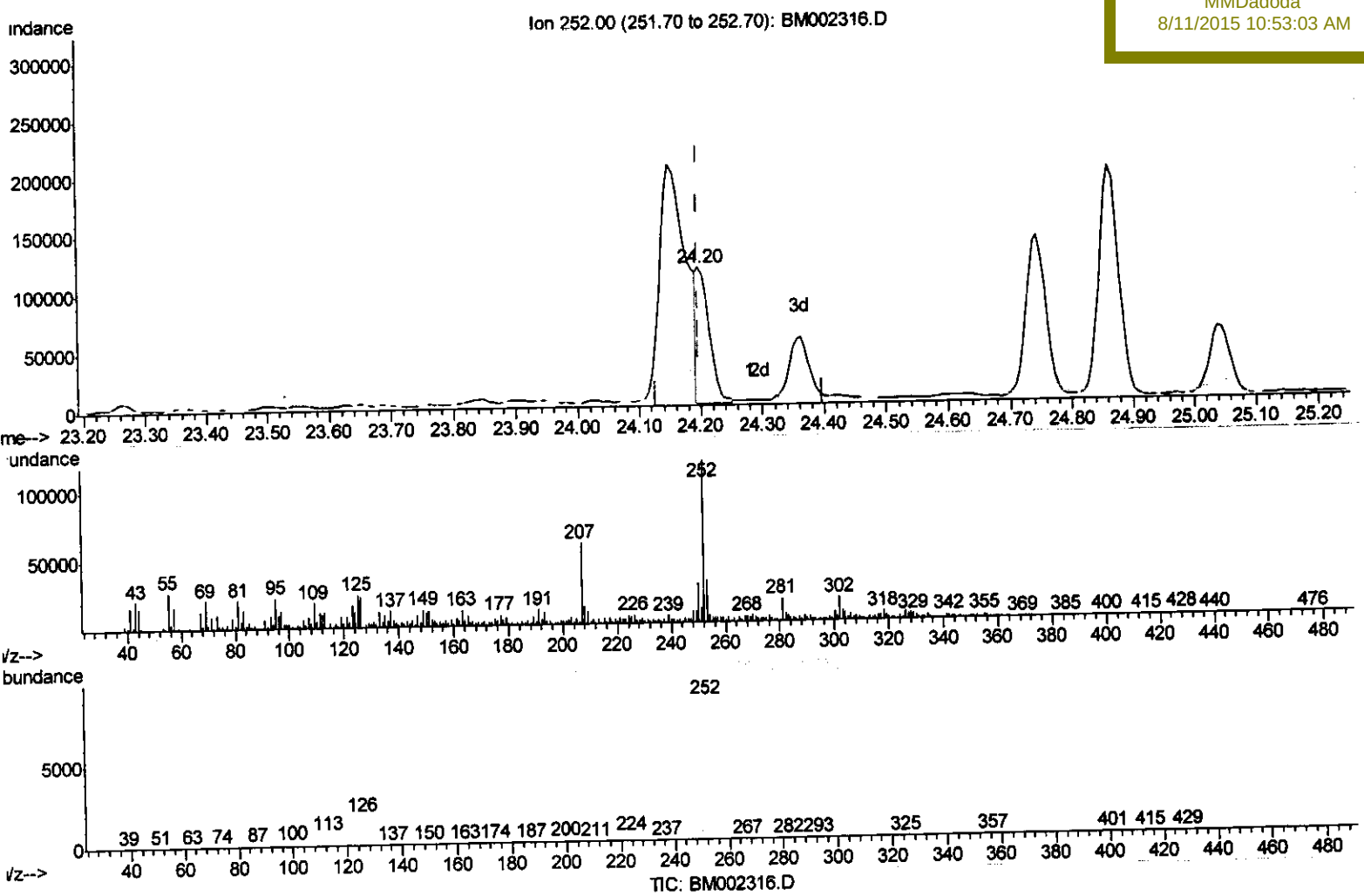
Instrument :
BNA_M
ClientSampleId :
C02G6DL

Manual Integrations APPROVED
MMDadoda
8/11/2015 10:53:03 AM



(89) Benzo(k)fluoranthene

24.197min (-0.000) 7.18ng/ul m

response 159719

U.M 08/11/15

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	26.04#
125.00	12.80	20.20#
0.00	0.00	0.00

ata Path : Z:\HPCHEM1\BNA_M\DATA\BM081015\
Data File : BM002316.D
cq On : 10 Aug 2015 17:14
Operator : UM/IZ
ample : G3065-21DL 2X
isc :
LS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 11 01:45:56 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715.M
Quant Title : SVOA CALIBRATION
Last Update : Tue Aug 11 01:34:33 2015
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : C02G6DL

Manual Integrations APPROVED
MMDadoda
8/11/2015 10:53:03 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	148646	20.00	ng/ul	0.00
18) Naphthalene-d8	11.77	136	675734	20.00	ng/ul	0.00
36) Acenaphthene-d10	15.49	164	322057	20.00	ng/ul	0.00
62) Phenanthrene-d10	18.19	188	572110	20.00	ng/ul	0.00
78) Chrysene-d12	22.29	240	382871	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	372700	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.92	96	2830	0.88	ng/uL	0.00
5) Phenol-d5	7.99	99	88158	6.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	8.19	67	50508	6.36	ng/ul	0.00
9) 2-Chlorophenol-d4	8.41	132	76280	6.87	ng/ul	0.00
13) 4-Methylphenol-d8	9.59	113	73361	6.37	ng/ul	0.00
19) Nitrobenzene-d5	10.09	128	37288	7.36	ng/ul	0.00
22) 2-Nitrophenol-d4	10.83	143	35269	7.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.37	165	69319	7.05	ng/ul	0.00
29) 4-Chloroaniline-d4	11.89	131	28681	2.20	ng/ul	0.00
44) Dimethylphthalate-d6	14.86	166	201726	7.61	ng/ul	0.00
47) Acenaphthylene-d8	15.19	160	268329	8.04	ng/ul	0.00
52) 4-Nitrophenol-d4	15.62	143	21866	4.57	ng/ul	0.00
58) Fluorene-d10	16.46	176	174013	7.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	16.55	200	5904	2.63	ng/ul	0.00
71) Anthracene-d10	18.29	188	229703	8.27	ng/ul	0.00
79) Pyrene-d10	20.51	212	182738	9.84	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.81	264	177267	8.96	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	11.82	128	879484	24.72	ng/ul	99
34) 2-Methylnaphthalene	13.37	142	621421	24.45	ng/ul	98
35) 1-Methylnaphthalene	13.58	142	617951	24.67	ng/ul	98
41) 1,1'-Biphenyl	14.33	154	132486	4.86	ng/ul	98
45) Dimethylphthalate	14.90	163	131786	4.87	ng/ul	100
48) Acenaphthylene	15.22	152	507896	14.66	ng/ul	98
50) Acenaphthene	15.55	153	96879	4.16	ng/ul	91
54) Dibenzofuran	15.87	168	84180	2.71	ng/ul	99
59) Fluorene	16.51	166	373300	14.23	ng/ul#	97
70) Phenanthrene	18.24	178	2198325	66.76	ng/ul	100
72) Anthracene	18.33	178	314841	9.26	ng/ul	98
75) Carbazole	18.57	167	42321	1.38	ng/ul#	93
76) Di-n-butylphthalate	19.07	149	84984	2.06	ng/ul#	90
77) Fluoranthene	20.19	202	1107733	31.79	ng/ul	99
80) Pyrene	20.54	202	1211454	48.94	ng/ul	99
81) Butylbenzylphthalate	21.36	149	67260	5.50	ng/ul	94
83) Benzo(a)anthracene	22.27	228	573054	24.52	ng/ul	96
84) Bis(2-ethylhexyl)phthalate	22.12	149	188242	10.64	ng/ul	98
85) Chrysene	22.33	228	651382m>	29.41	ng/ul	
88) Benzo(b)fluoranthene	24.15	252	606510	26.18	ng/ul#	92
89) Benzo(k)fluoranthene	24.20	252	159719m>	7.18	ng/ul	
91) Benzo(a)pyrene	24.86	252	442040	19.94	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	27.83	276	317055	12.48	ng/ul	97

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08/11/15

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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	27.83	278	100691	4.68	ng/ul#	74
94) Benzo(g,h,i)perylene	28.72	276	310854	14.50	ng/ul	96

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