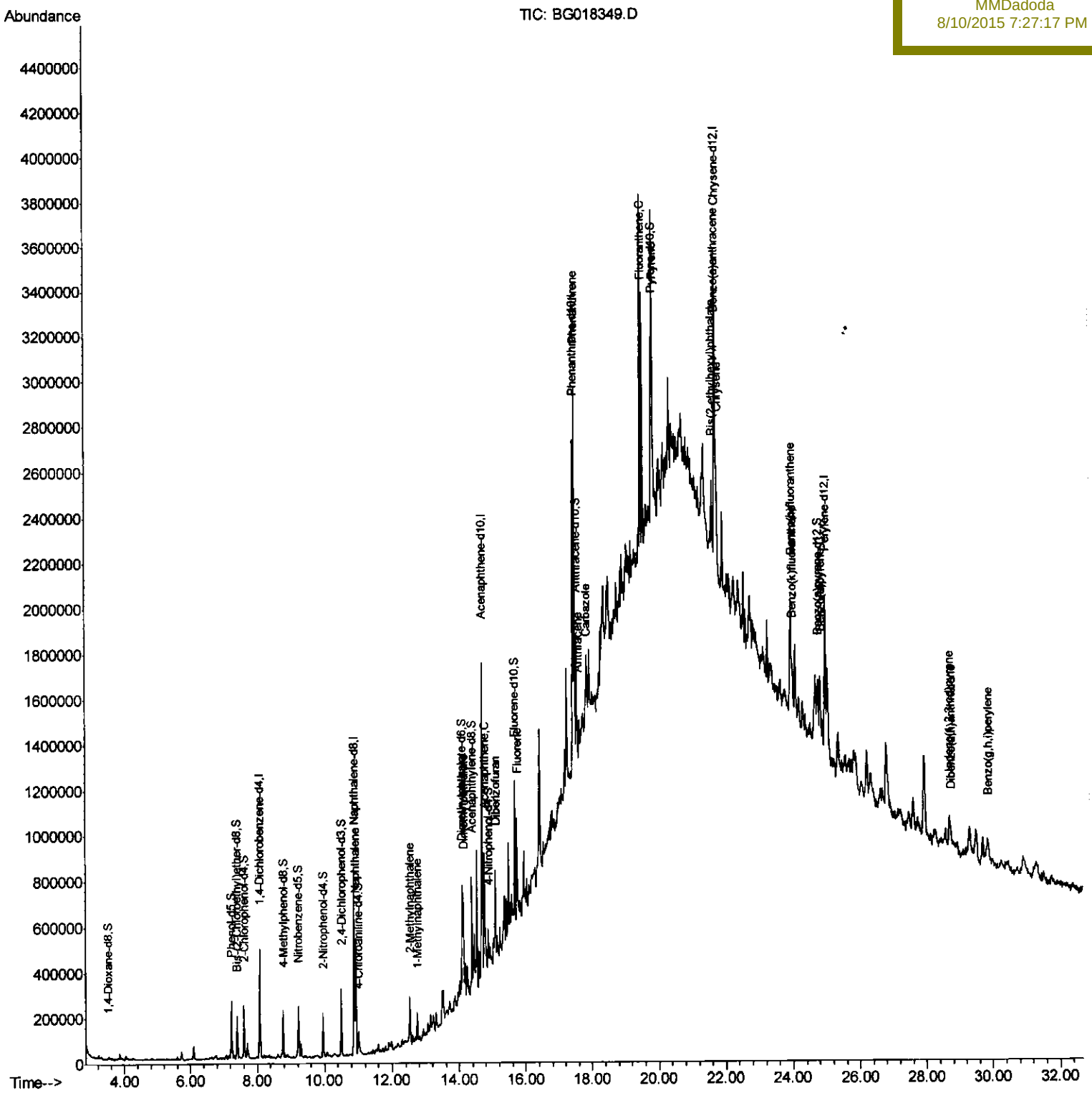
Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 08:27:11 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02C6

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:17 PM



Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 07:54:24 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
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Instrument :
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ClientSampleId :
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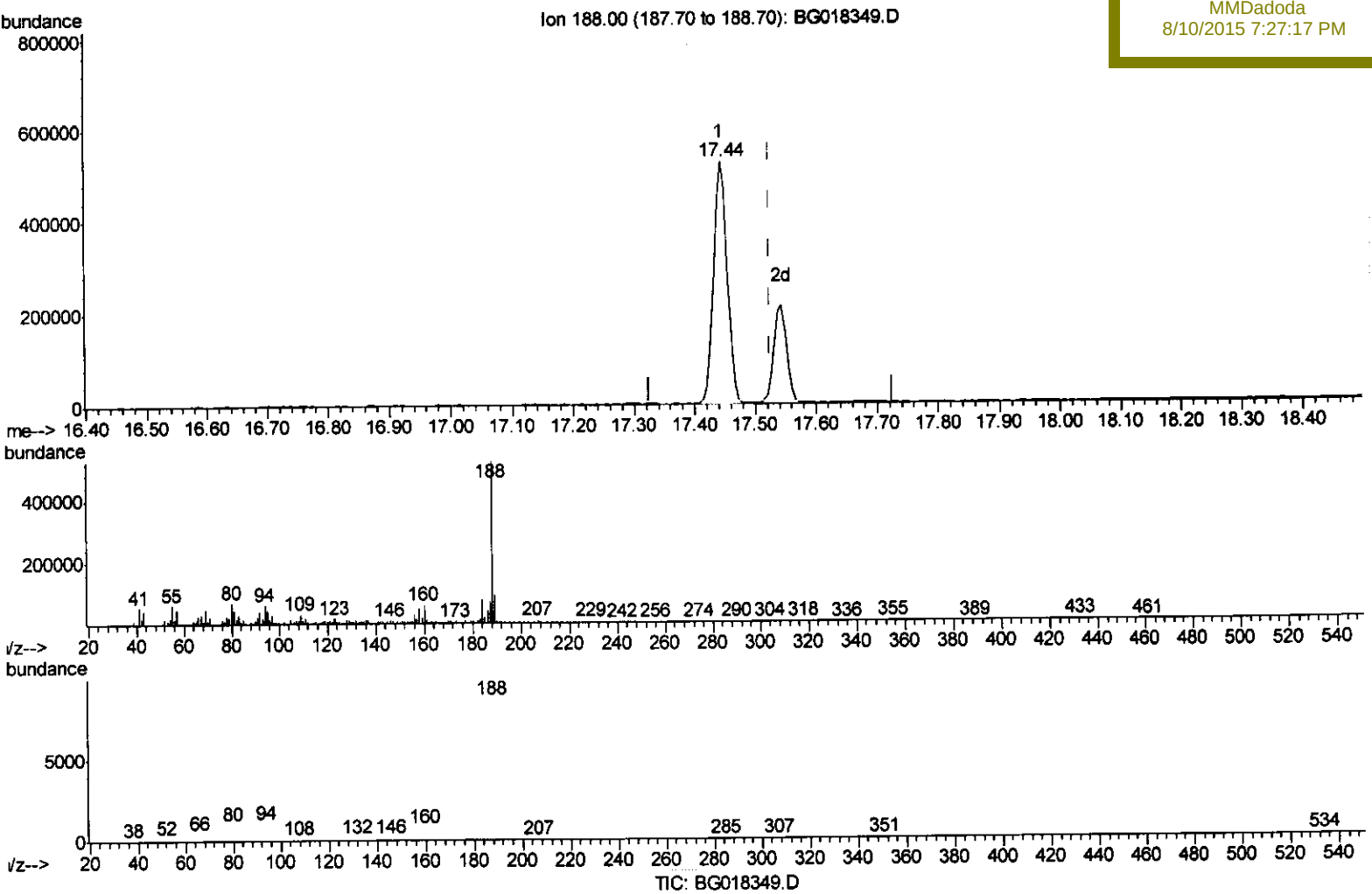
Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:17 PM



(71) Anthracene-d10 (S)

17.443min (-0.082) 20.91ng/ul

response 829110

Ion	Exp%	Act%
188.00	100	100
94.00	11.90	11.36
80.00	11.20	12.97
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
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ClientSampleId :
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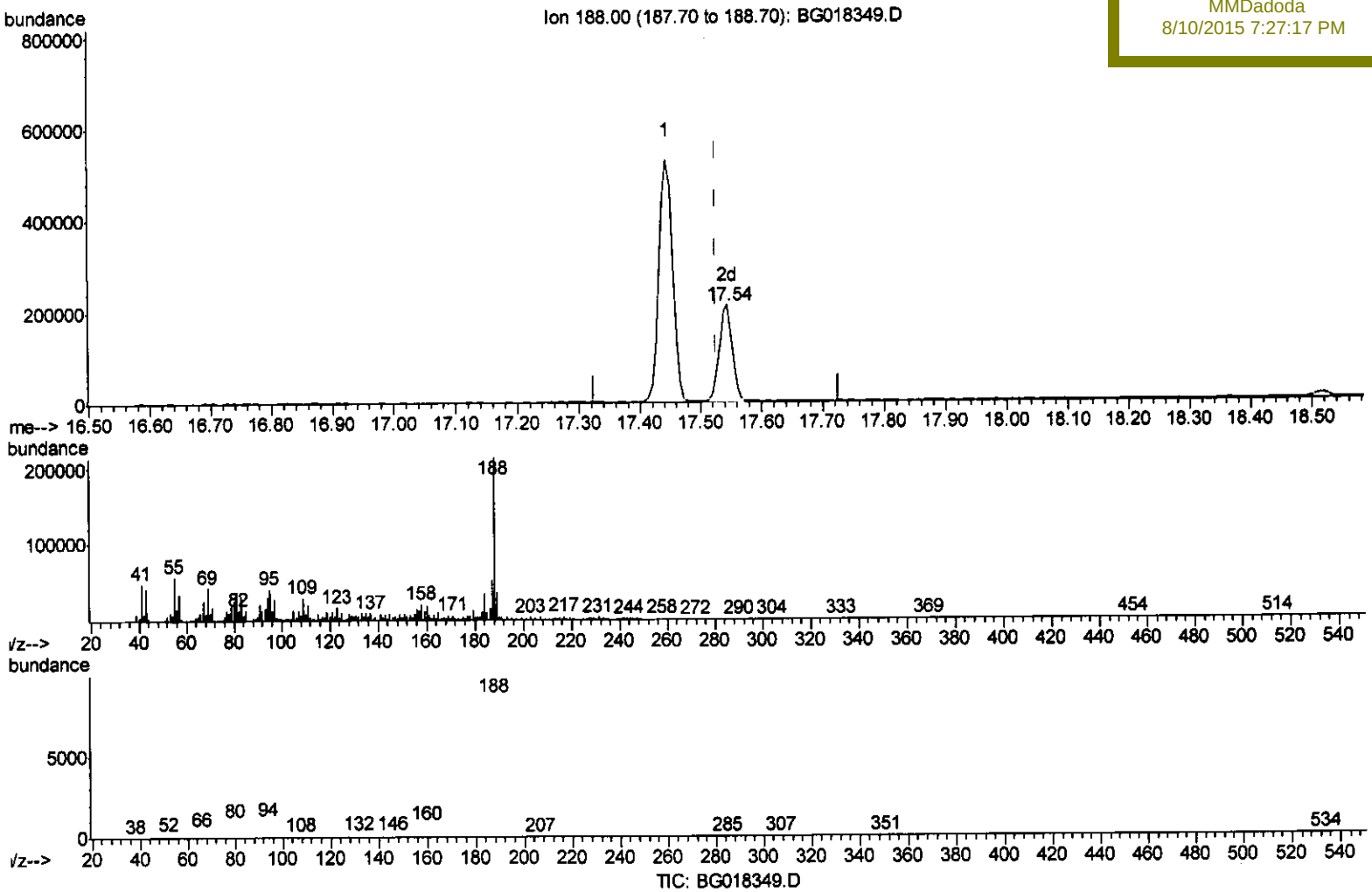
Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:17 PM



(71) Anthracene-d10 (S)

17.543min (+0.018) 8.00ng/ul m

response 317075

> U.M 09/08/15

Ion	Exp%	Act%
188.00	100	100
94.00	11.90	14.40#
80.00	11.20	12.34
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 07:54:24 2015
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Instrument :
BNA_G
ClientSampleId :
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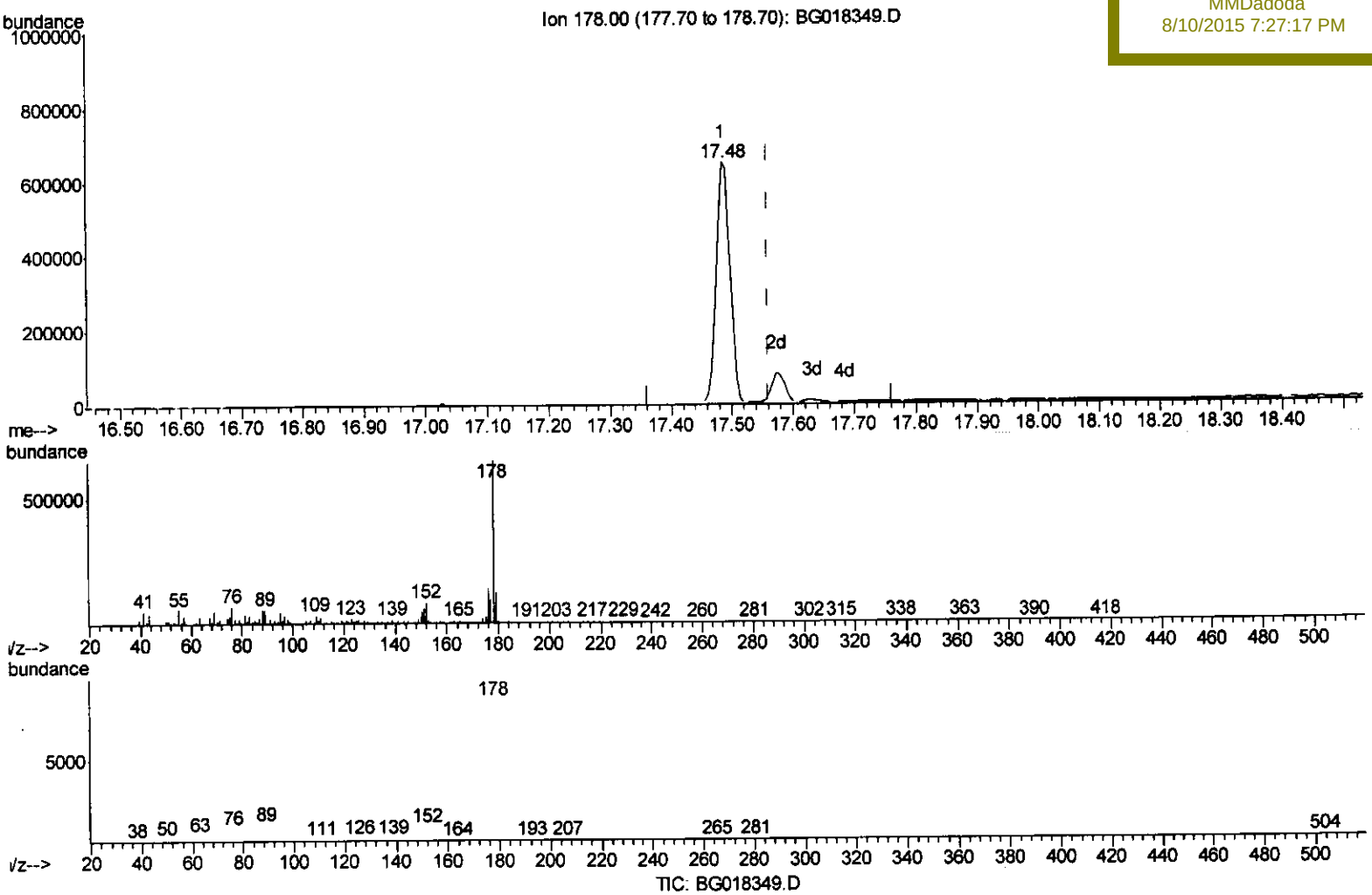
Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:17 PM



(72) Anthracene

17.485min (-0.076) 21.81ng/ul

response 999827

Ion	Exp%	Act%
178.00	100	100
179.00	16.20	18.23
176.00	20.00	21.17
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
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Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 07:54:24 2015
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Instrument :
BNA_G
ClientSampleId :
C02C6

Manual Integrations APPROVED
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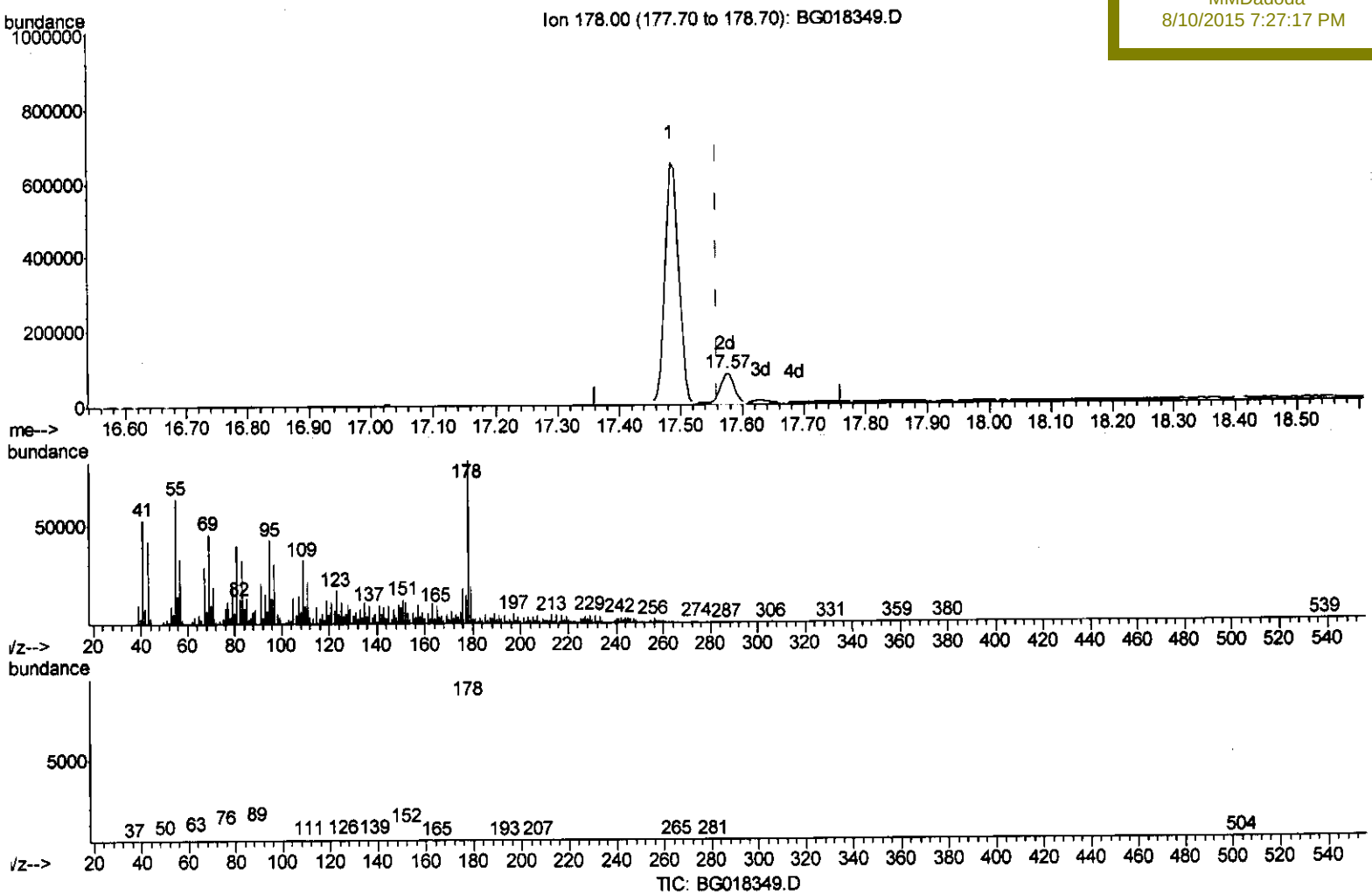
8/10/2015 7:27:17 PM



(72) Anthracene

17.573min (+0.012) 2.90ng/ul m > U.M 09/04/15

response 132977

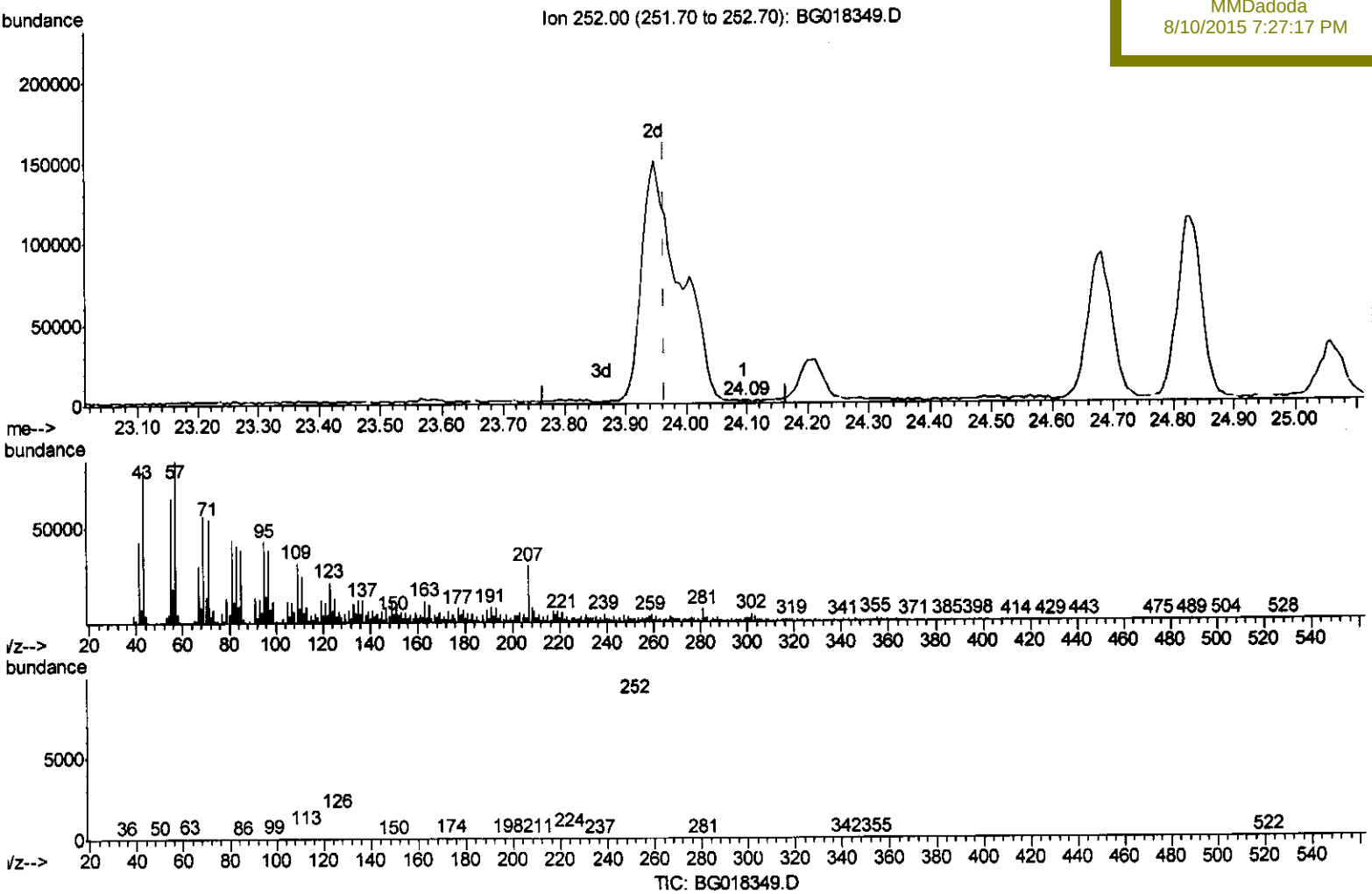
Ion	Exp%	Act%
178.00	100	100
179.00	16.20	22.61#
176.00	20.00	21.30
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 07:54:24 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02C6

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:17 PM



TIC: BG018349.D

(89) Benzo(k)fluoranthene

24.095min (+0.129) 0.01ng/ul

response 597

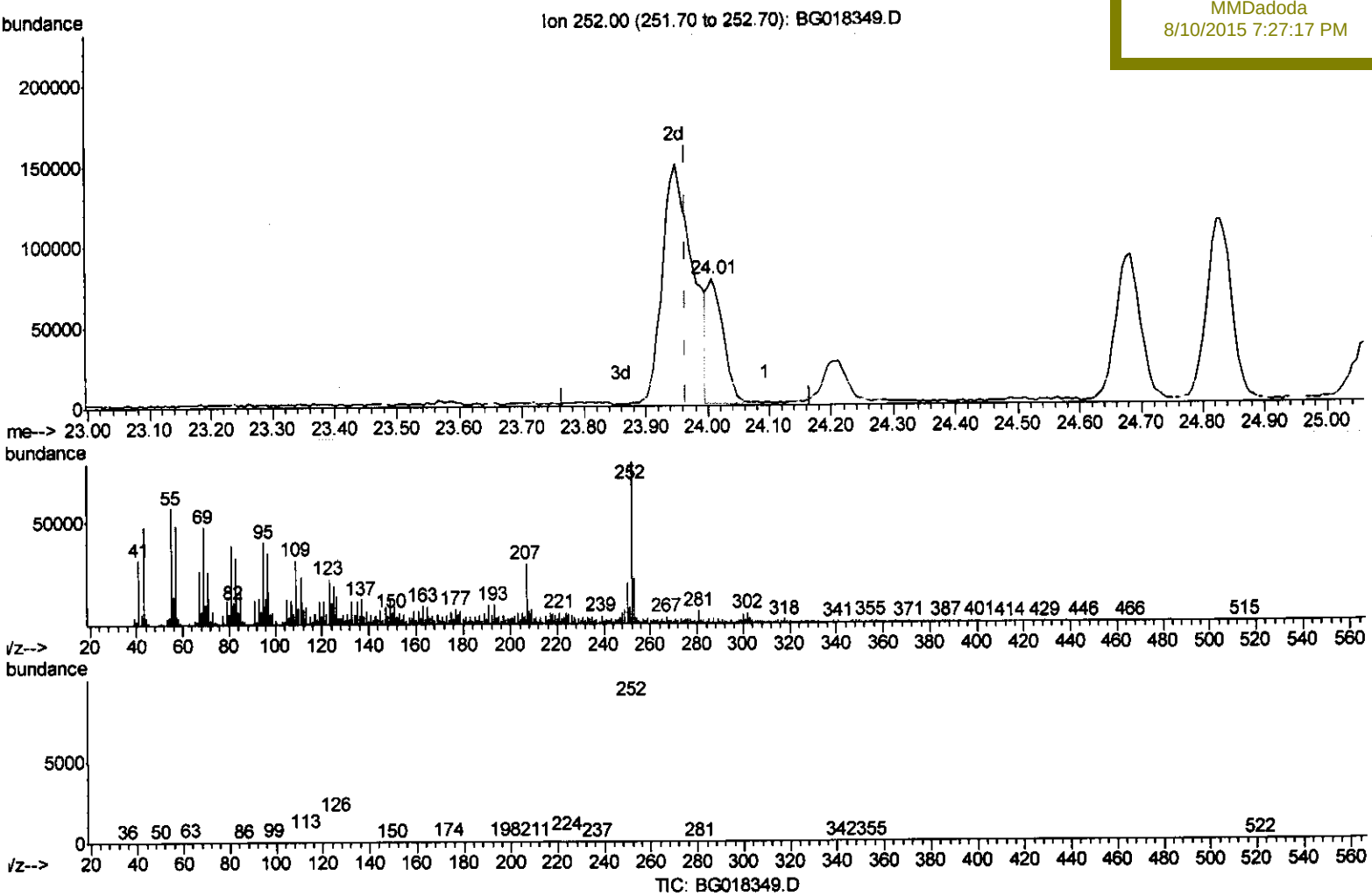
Ion	Exp%	Act%
252.00	100	100
253.00	22.20	126.75#
125.00	11.20	597.53#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 07:54:24 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02C6

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:17 PM



(89) Benzo(k)fluoranthene

24.006min (+0.041) 3.33ng/ul m

response 142411

UM 09/08/15

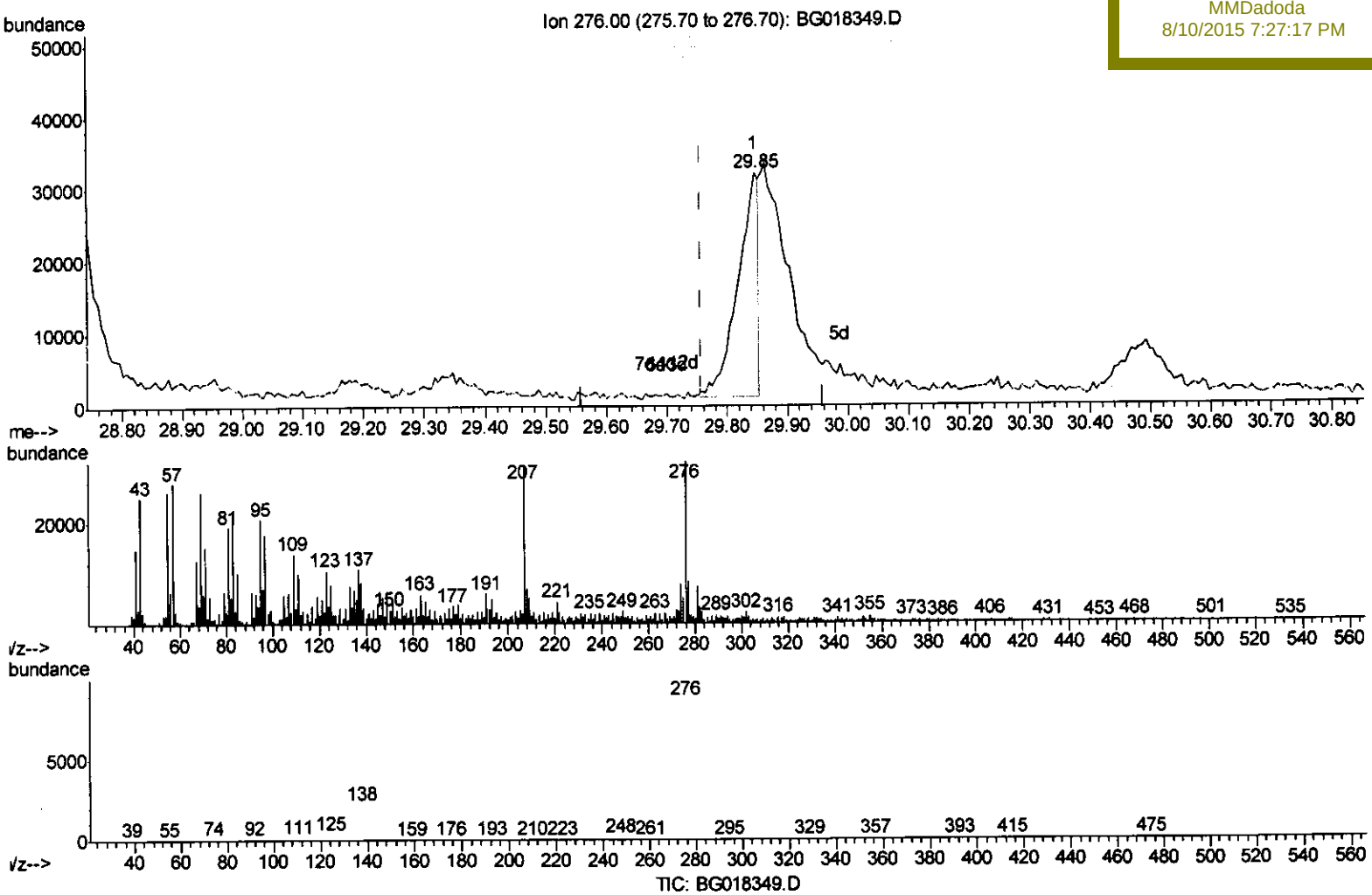
Ion	Exp%	Act%
252.00	100	100
253.00	22.20	28.30#
125.00	11.20	24.35#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 07:54:24 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02C6

Manual Integrations APPROVED
MMDadoda
8/10/2015 7:27:17 PM



(94) Benzo(g,h,i)perylene

29.847min (+0.088) 1.78ng/ul

response 72987

Ion	Exp%	Act%
276.00	100	100
138.00	20.60	25.68#
277.00	23.80	25.72
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 07:54:24 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02C6

Manual Integrations APPROVED
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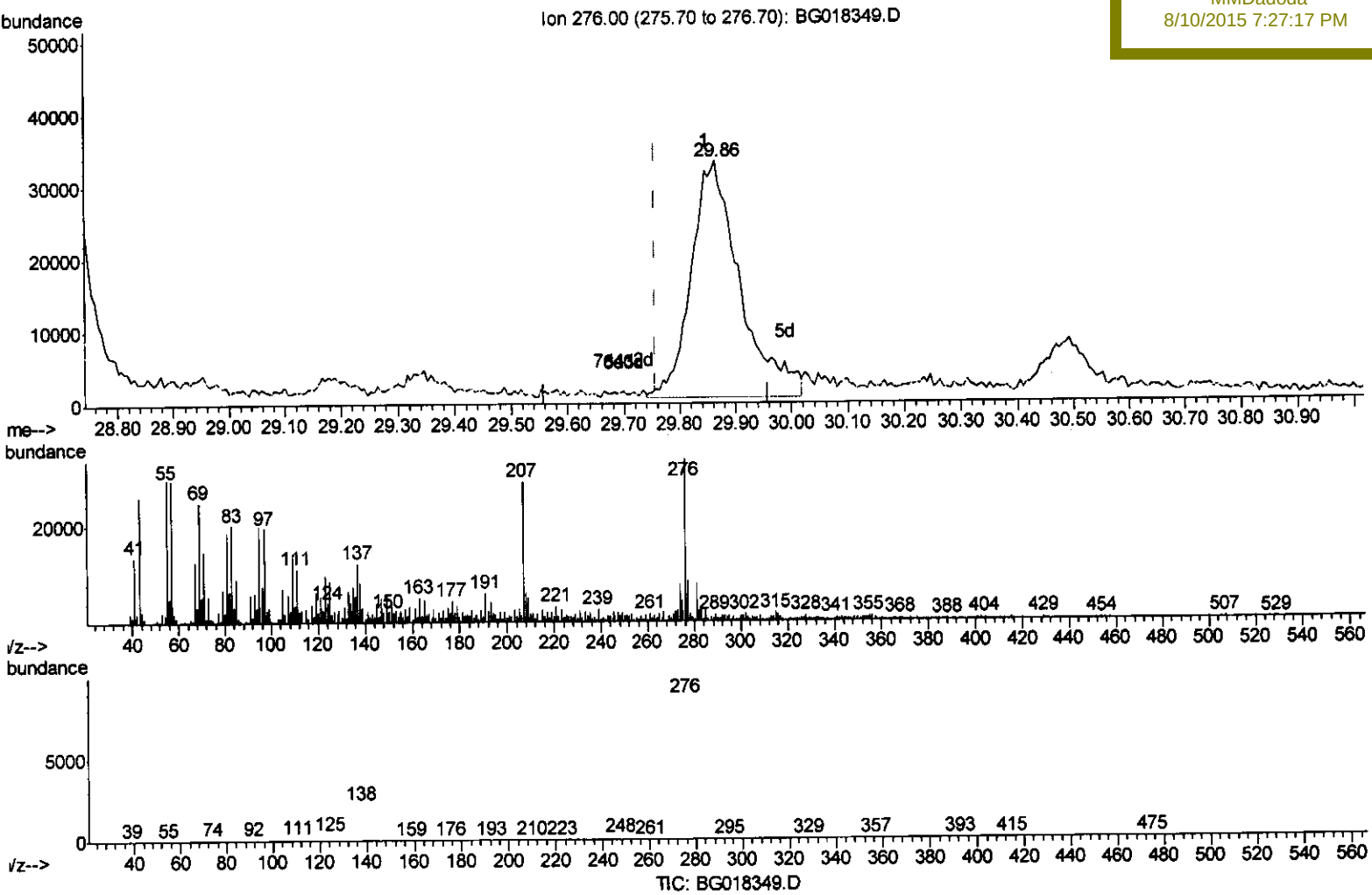

(94) Benzo(g,h,i)perylene

29.864min (+0.106) 4.75ng/ul m > 0.M 09/08/15

response 194974

Ion	Exp%	Act%
276.00	100	100
138.00	20.60	25.19#
277.00	23.80	25.67
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 08:25:56 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02C6

Manual Integrations APPROVED
MMDadoda
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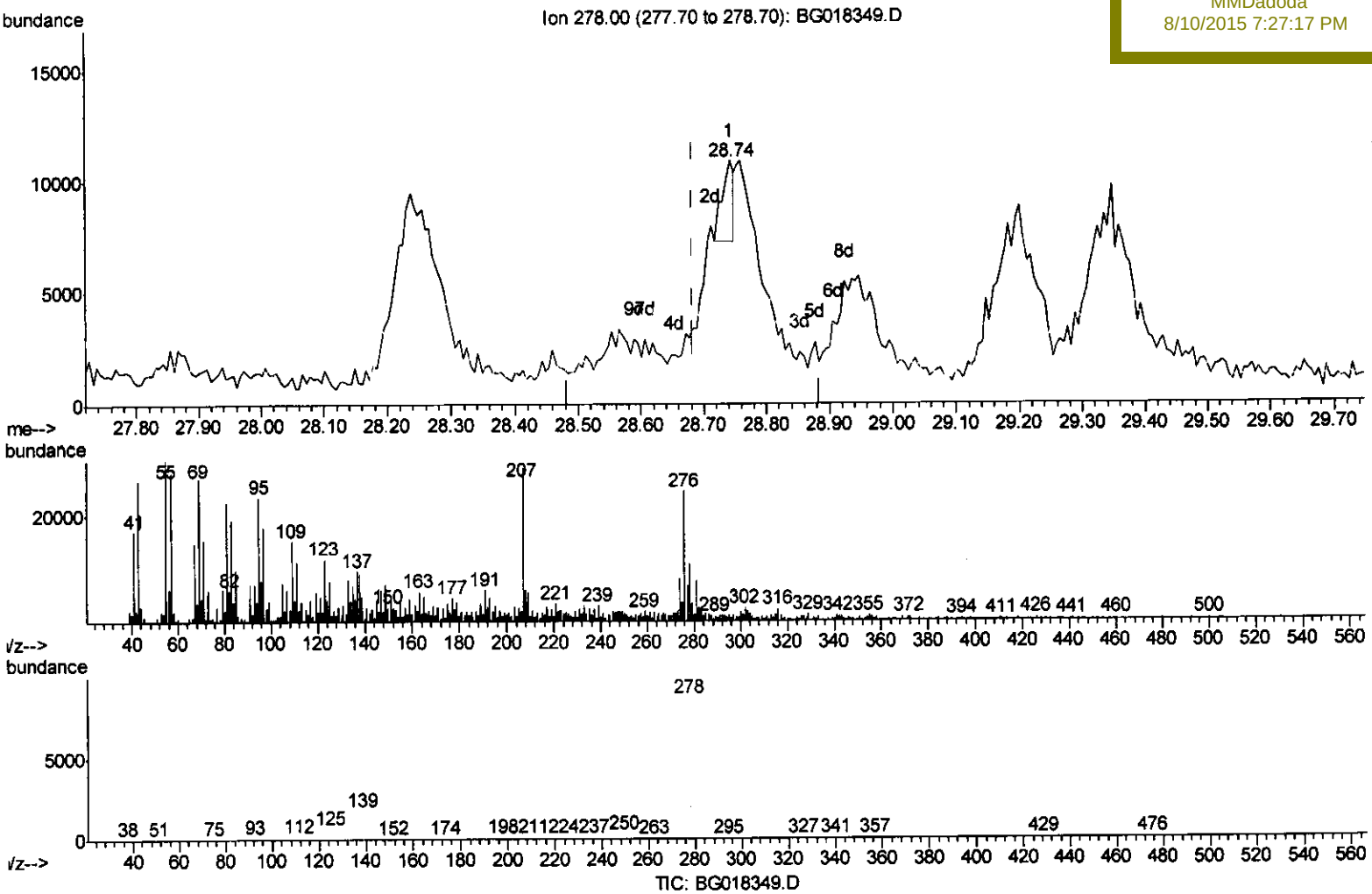

(93) Dibenzo(a,h)anthracene

28.742min (+0.059) 0.11ng/ul

response 4575

Ion	Exp%	Act%
278.00	100	100
139.00	17.20	43.53#
279.00	22.30	32.05#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
Acq On : 10 Aug 2015 3:59
Operator : UM/TP
Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 08:25:56 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 10 07:50:23 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
C02C6

Manual Integrations APPROVED
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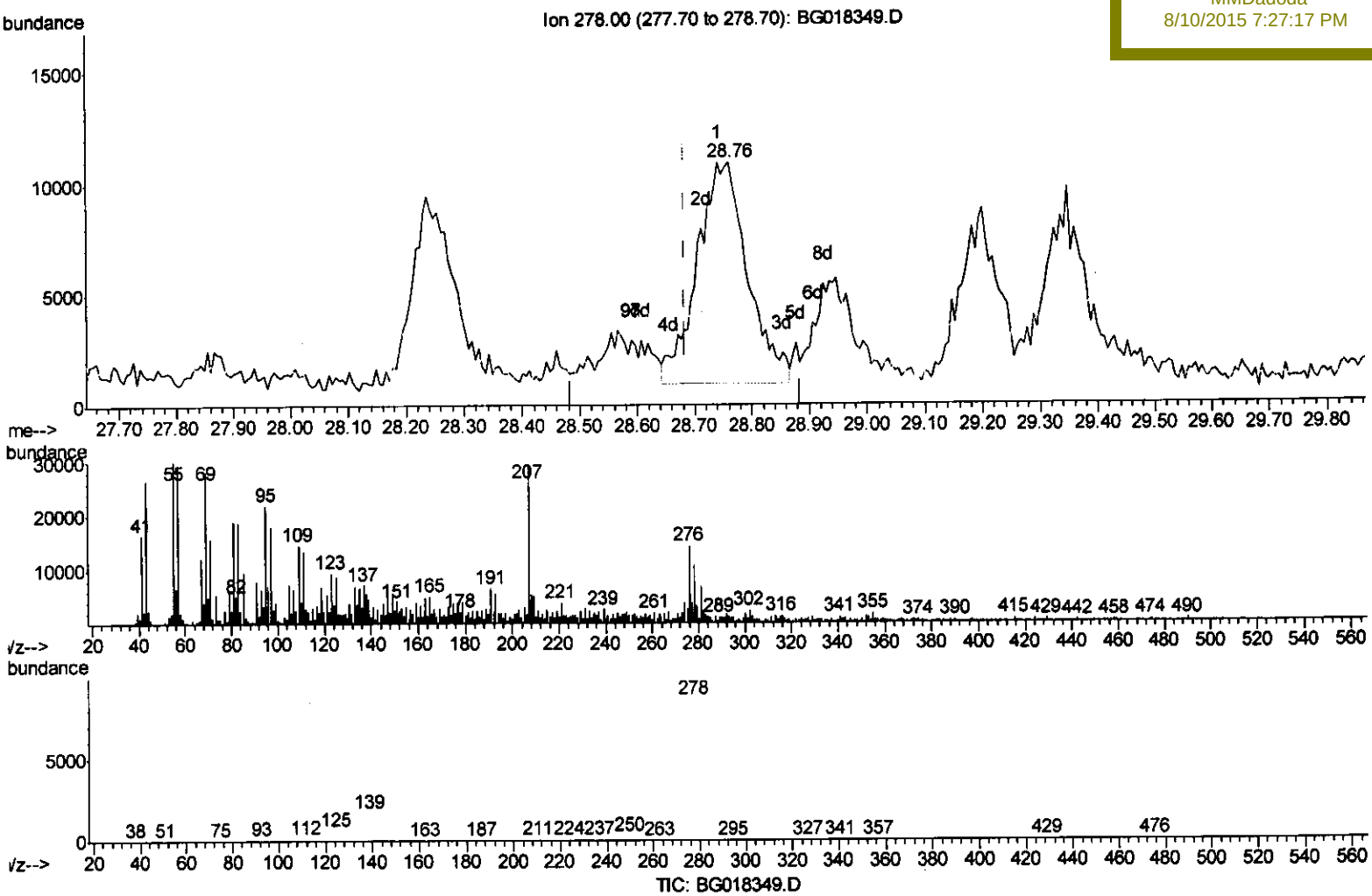

(93) Dibenzo(a,h)anthracene

28.760min (+0.076) 1.48ng/ul m > U.M 09/08/15

response 59961

Ion	Exp%	Act%
278.00	100	100
139.00	17.20	42.29#
279.00	22.30	32.48#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG080915\
Data File : BG018349.D
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Sample : G3136-14
Misc :
ALS Vial : 23 Sample Multiplier: 1

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Instrument : BNA_G
ClientSampleId : C02C6

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	134508	20.00	ng/ul	0.01
18) Naphthalene-d8	10.89	136	678998	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.70	164	421937	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	829110	20.00	ng/ul	0.02
78) Chrysene-d12	21.72	240	712344	20.00	ng/ul	0.03
86) Perylene-d12	24.99	264	707857	20.00	ng/ul	0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.53	96	5148	1.69	ng/uL	0.00
5) Phenol-d5	7.23	99	131745	10.79	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.40	67	86881	11.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	110510	11.82	ng/ul	0.01
13) 4-Methylphenol-d8	8.77	113	82476	8.04	ng/ul	0.01
19) Nitrobenzene-d5	9.24	128	54101	10.22	ng/ul	0.01
22) 2-Nitrophenol-d4	9.96	143	56155	10.42	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.50	165	111233	9.72	ng/ul	0.01
29) 4-Chloroaniline-d4	11.01	131	51228	3.96	ng/ul	0.01
44) Dimethylphthalate-d6	14.10	166	337497	9.51	ng/ul	0.01
47) Acenaphthylene-d8	14.39	160	366192	8.19	ng/ul	0.01
52) 4-Nitrophenol-d4	14.88	143	30899	4.84	ng/ul	0.02
58) Fluorene-d10	15.69	176	236367	7.64	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	317075m	8.00	ng/ul	0.02
79) Pyrene-d10	19.82	212	292901	7.93	ng/ul	0.02
90) Benzo(a)pyrene-d12	24.76	264	274282	7.30	ng/ul	0.05
Target Compounds						Qvalue
28) Naphthalene	10.93	128	429614	11.97	ng/ul	100
34) 2-Methylnaphthalene	12.53	142	96004	3.69	ng/ul	98
35) 1-Methylnaphthalene	12.75	142	53383	2.10	ng/ul	97
45) Dimethylphthalate	14.15	163	217052	6.20	ng/ul#	98
50) Acenaphthene	14.76	153	222282	7.07	ng/ul	97
54) Dibenzofuran	15.09	168	194269	4.73	ng/ul	93
59) Fluorene	15.75	166	177230	5.01	ng/ul	98
70) Phenanthrene	17.48	178	999827	22.23	ng/ul	98
72) Anthracene	17.57	178	132977m	2.90	ng/ul	
75) Carbazole	17.84	167	91822	2.28	ng/ul#	81
77) Fluoranthene	19.49	202	925871	19.27	ng/ul	99
80) Pyrene	19.85	202	826399	17.16	ng/ul	98
83) Benzo(a)anthracene	21.70	228	286544	6.49	ng/ul	94
84) Bis(2-ethylhexyl)phthalate	21.61	149	118478	4.12	ng/ul#	94
85) Chrysene	21.77	228	340101	8.24	ng/ul	98
88) Benzo(b)fluoranthene	23.95	252	498458	11.21	ng/ul#	90
89) Benzo(k)fluoranthene	24.01	252	142411m	3.33	ng/ul	
91) Benzo(a)pyrene	24.82	252	304698	7.21	ng/ul#	89
92) Indeno(1,2,3-cd)pyrene	28.71	276	209770	4.29	ng/ul#	86
93) Dibenzo(a,h)anthracene	28.76	278	59961m	1.48	ng/ul	
94) Benzo(g,h,i)perylene	29.86	276	194974m	4.75	ng/ul	

U.M 09/08/15

U.M 09/08/15

UM 09/08/15

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ClientSampleId :
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Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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