

Data Path : Z:\HPCHEM1\BNA G\Data\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4767-22ME

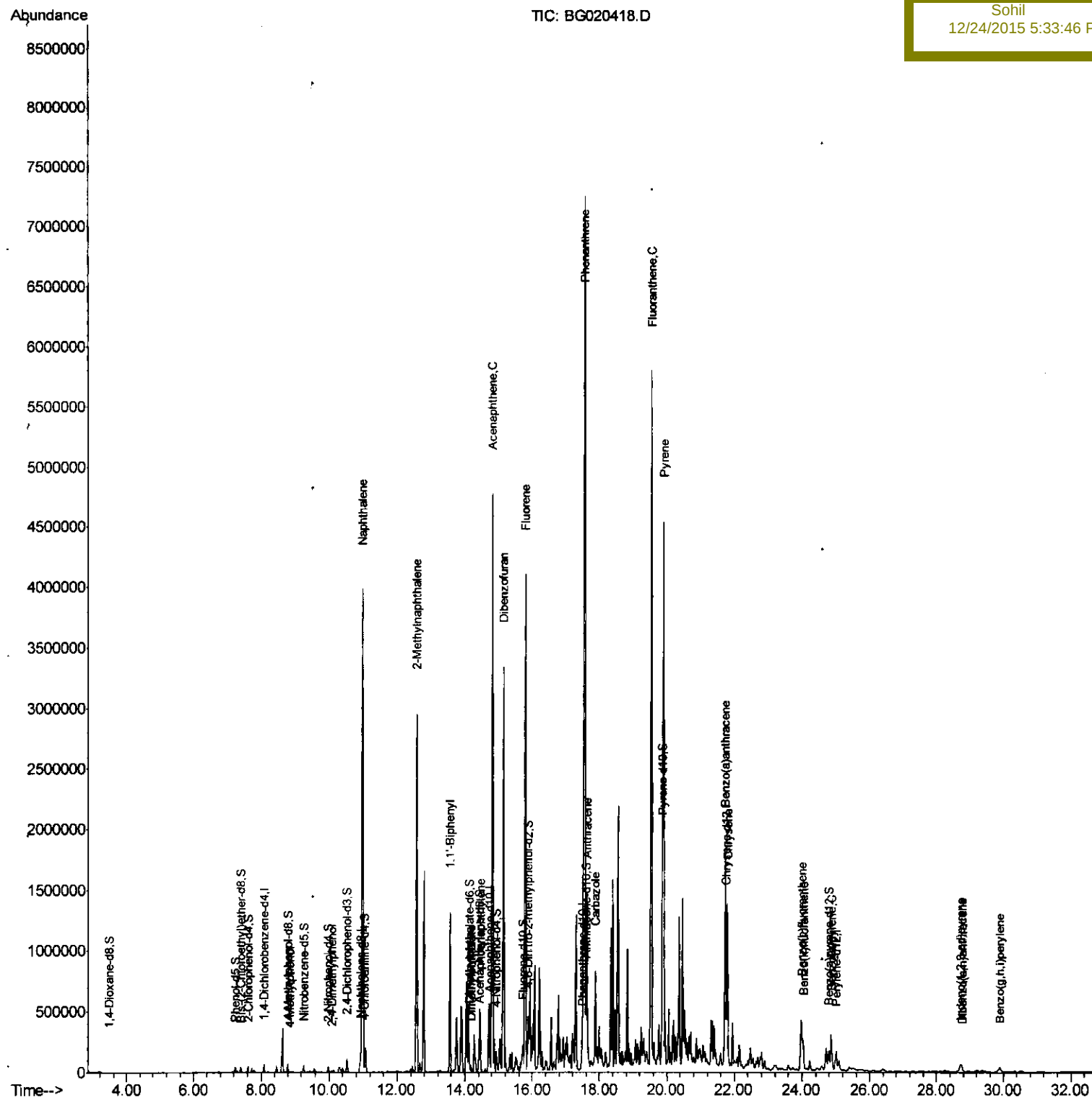
Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:56:03 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampled :
D9N44ME

Manual Integrations
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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4767-22ME

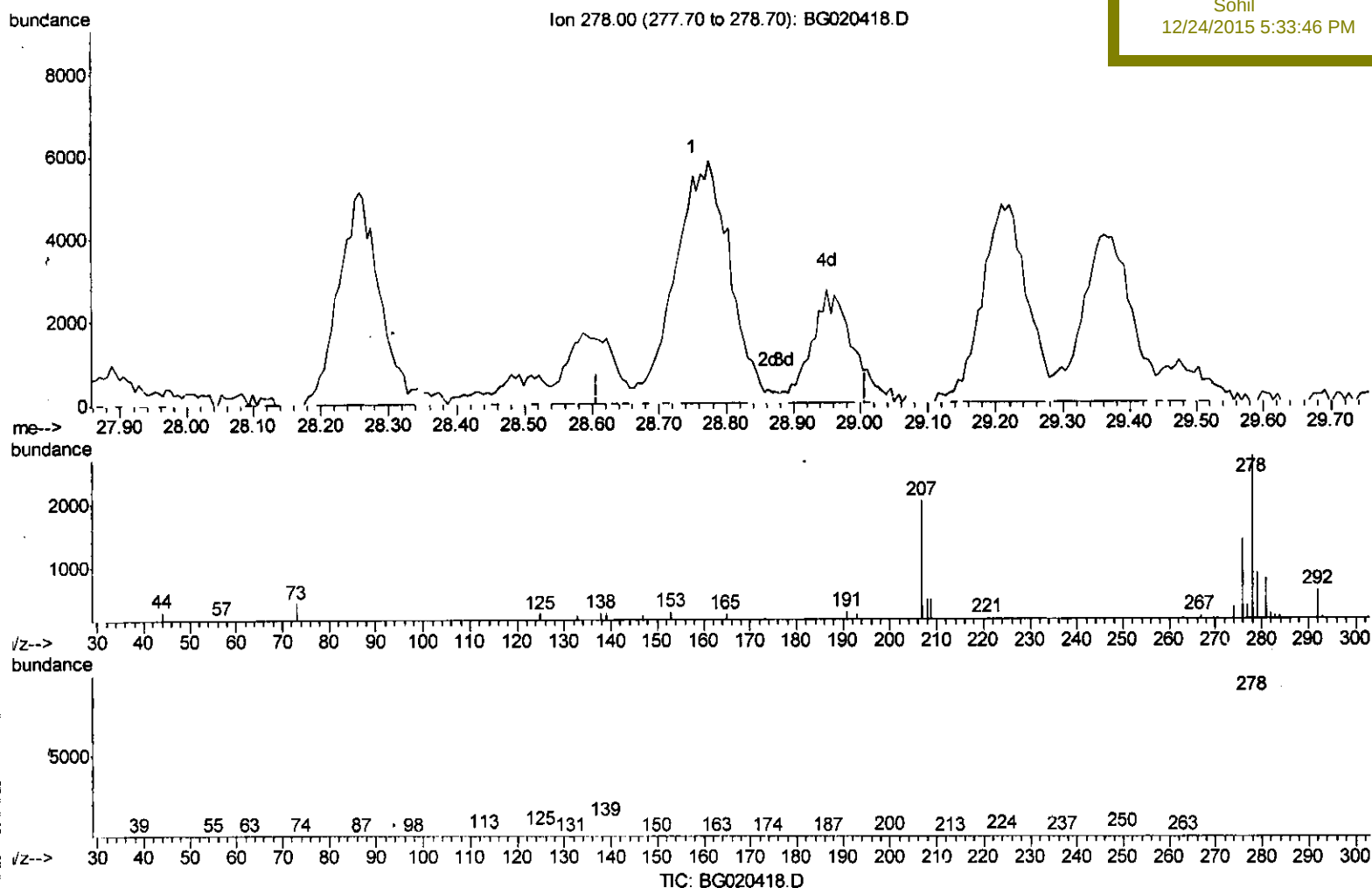
Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:54:34 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
Response via : Initial Calibration

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(93) Dibenzo(a,h)anthracene

28.808min (-28.808) 0.00ng/ul d

response 0

Ion	Exp%	Act%
278.00	100	0.00
139.00	11.80	0.00
279.00	24.20	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
 Data File : BG020418.D
 Acq On : 22 Dec 2015 20:52
 Operator : UM/SJ
 Sample : G4/67-22ME

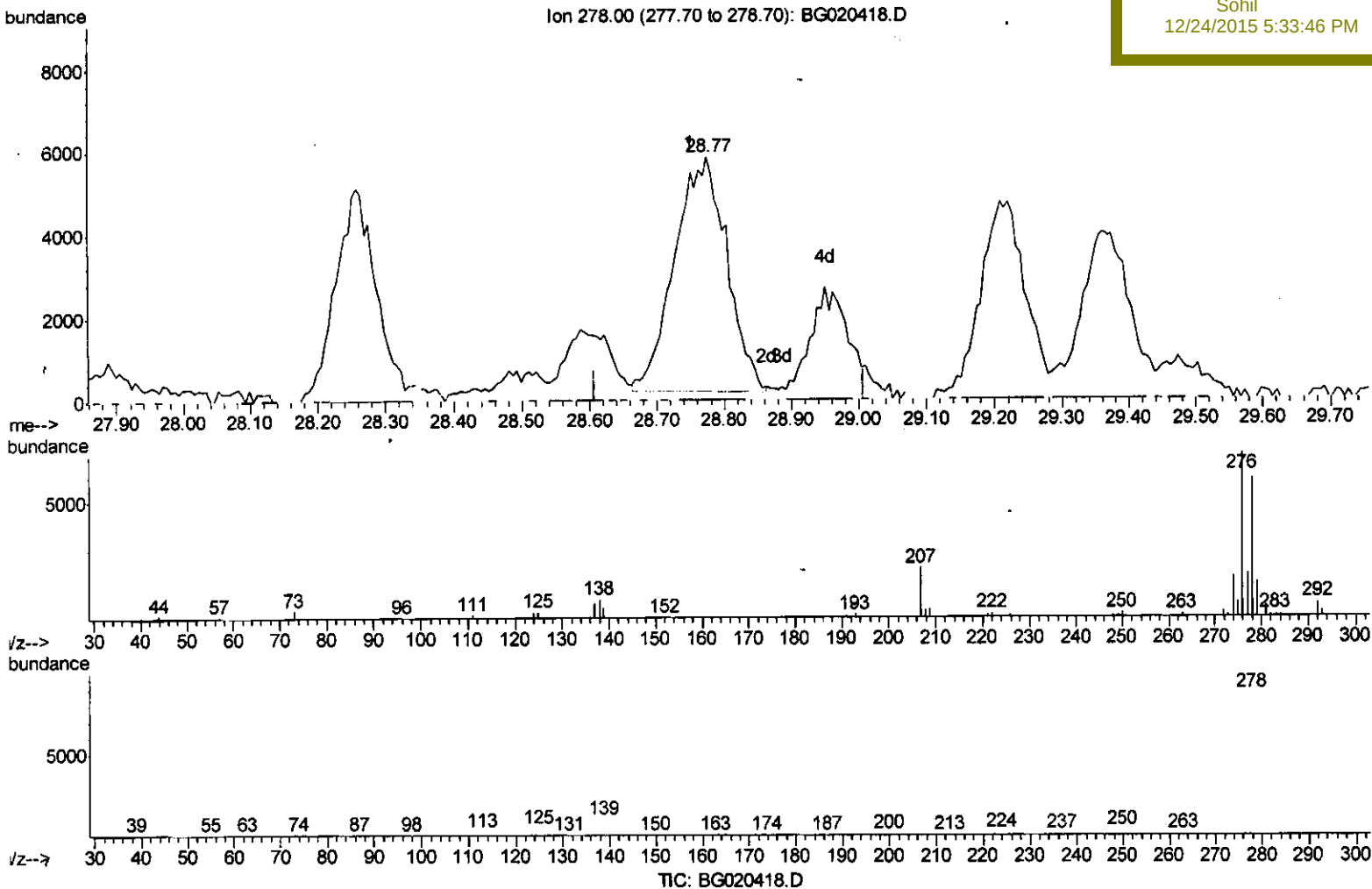
Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:54:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
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Instrument :
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 ClientSampled :
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Manual Integrations
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(93) Dibenzo(a,h)anthracene

28.774min (-0.034) 3.15ng/ul m

response 30492

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	9.43#
279.00	24.20	27.51
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4767-22ME

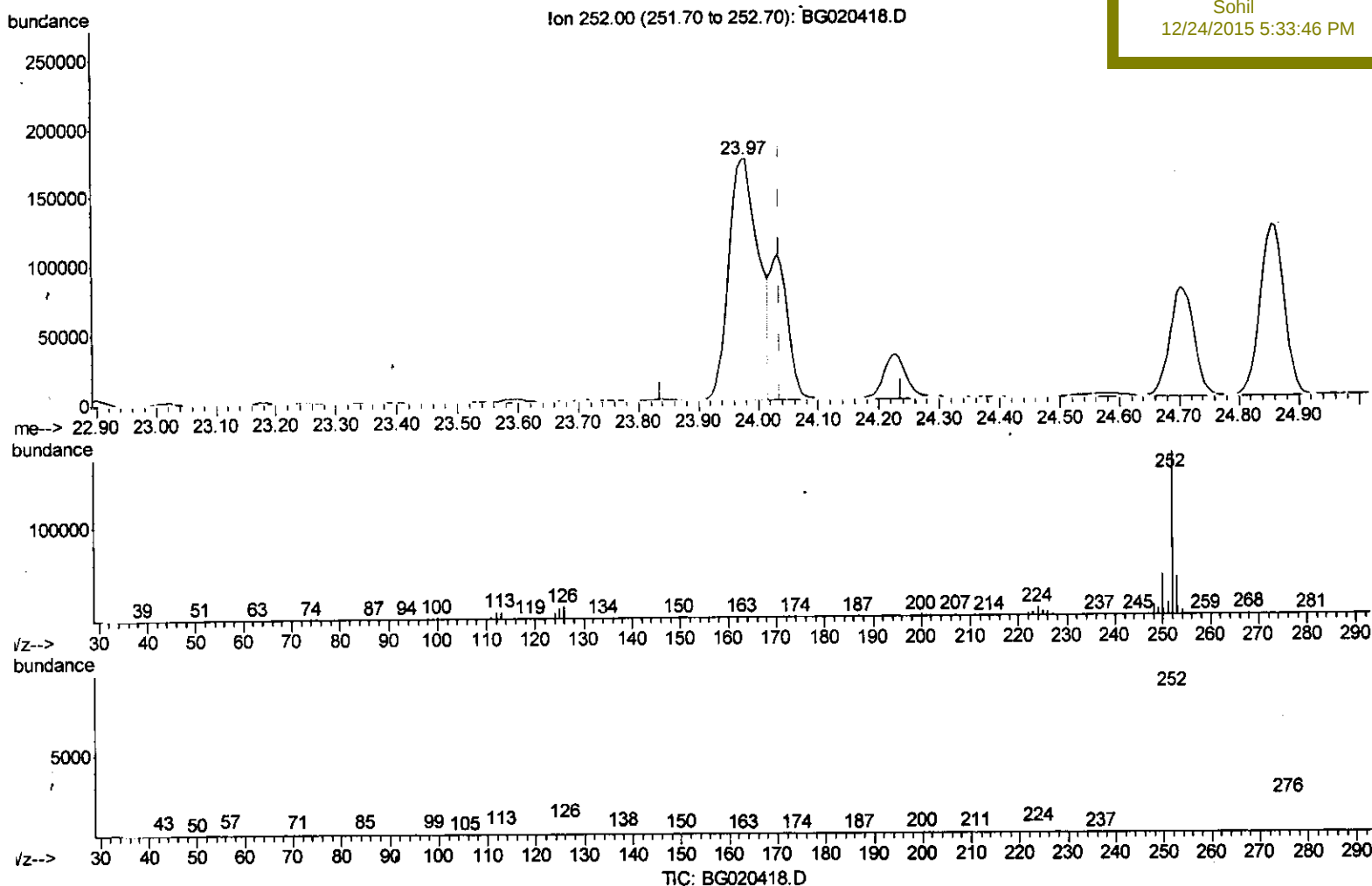
Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 23 04:11:36 2015
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Manual Integrations
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(89) Benzo(k)fluoranthene

23.974min (-0.063) 60.50ng/ul

response 599048

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	23.42
125.00	7.20	6.31
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
 Data File : BG020418.D
 Acq On : 22 Dec 2015 20:52
 Operator : UM/SJ
 Sample : G476/-22ME

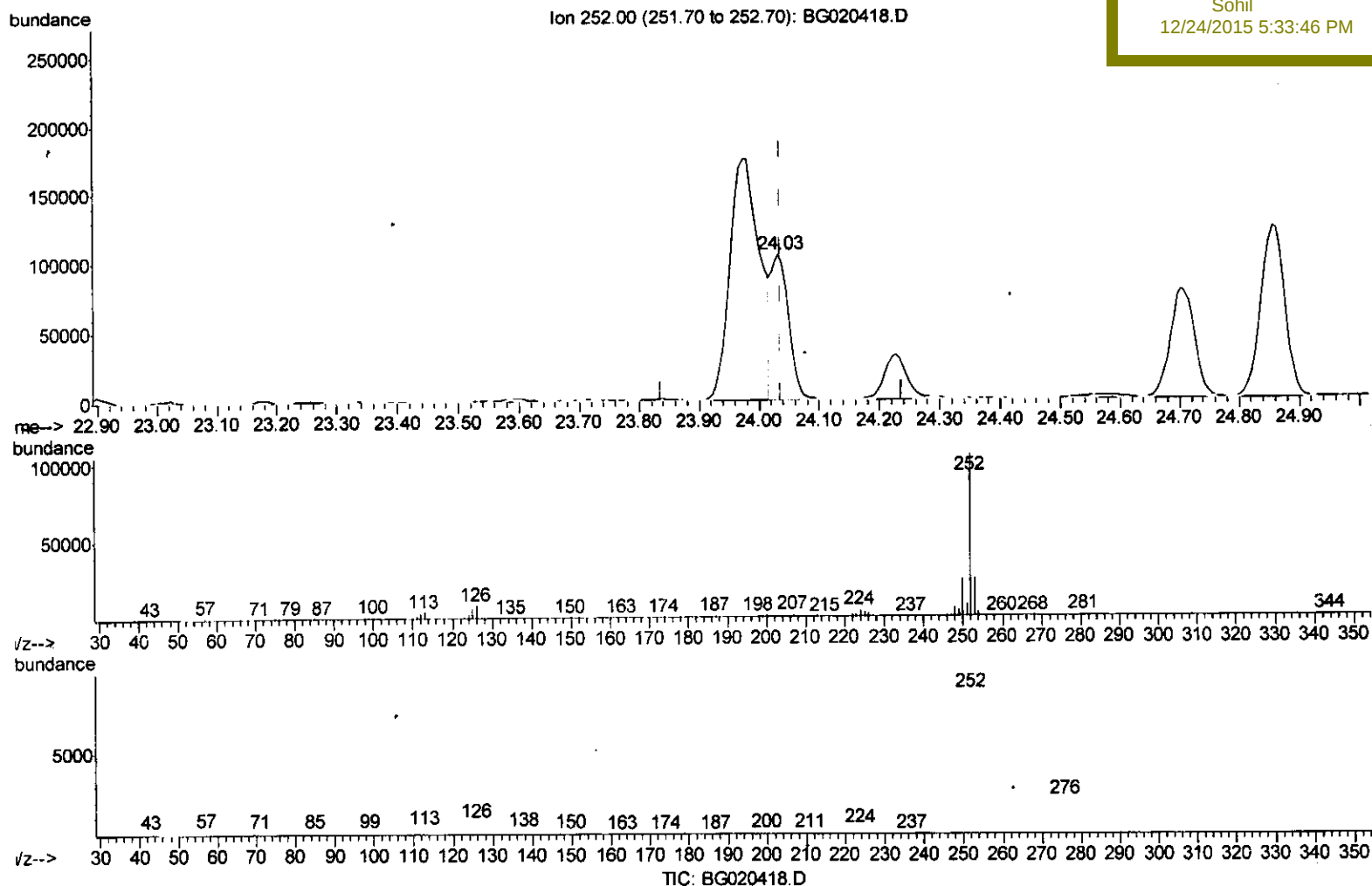
Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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 ClientSampleId :
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Manual Integrations
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(89) Benzo(k)fluoranthene

24.033min (-0.004) 21.46ng/ul m

response 212524

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	23.10
125.00	7.20	6.06
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
 Data File : BG020418.D
 Acq On : 22 Dec 2015 20:52
 Operator : UM/SJ
 Sample : G4767-22ME

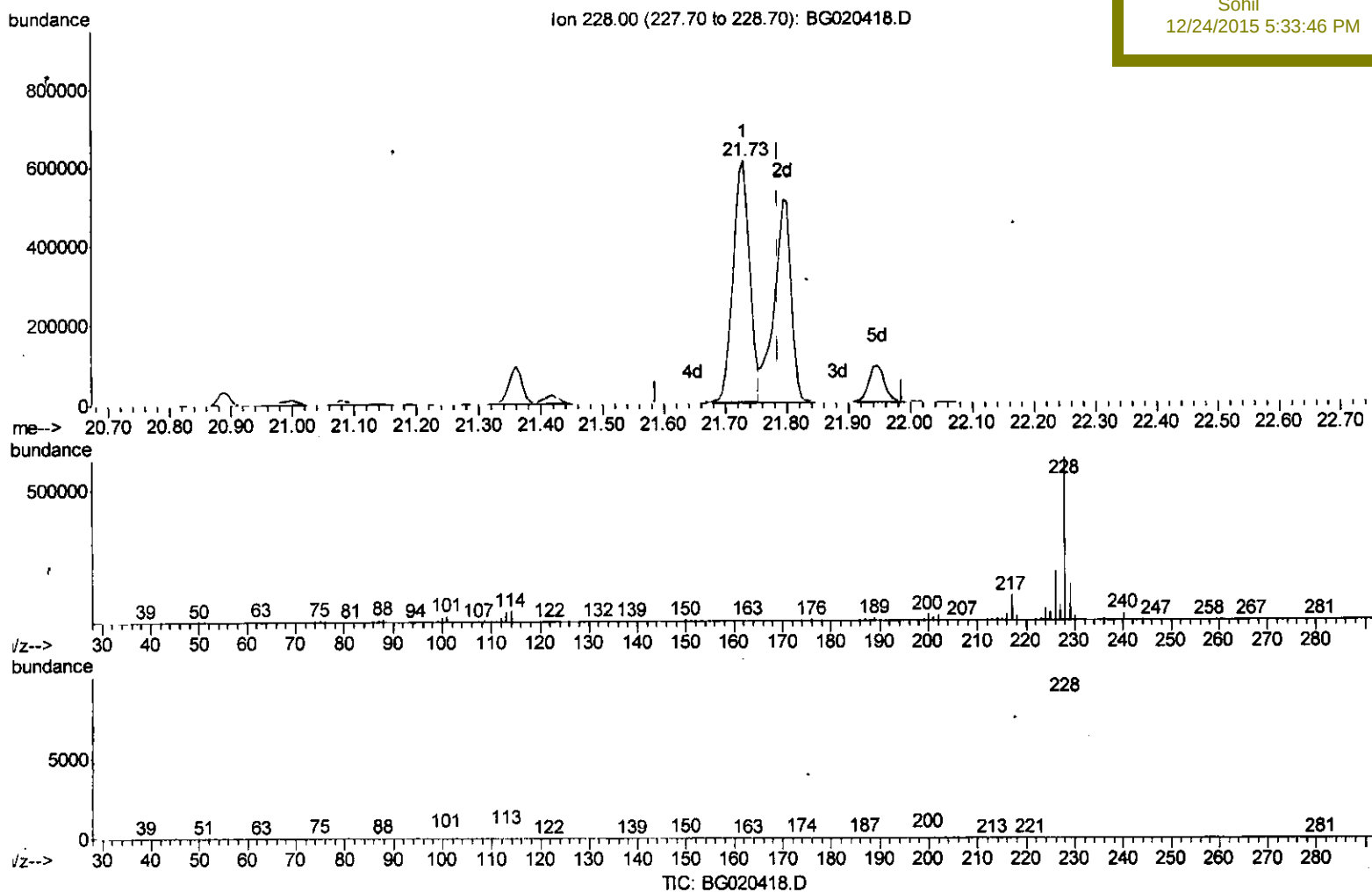
Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
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Manual Integrations
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(85) Chrysene

21.730min (-0.057) 118.68ng/ul

response 1147766

Ion	Exp%	Act%
228.00	100	100
226.00	29.90	30.27
229.00	19.50	22.87
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
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 Operator : UM/SJ
 Sample : G4767-22ME

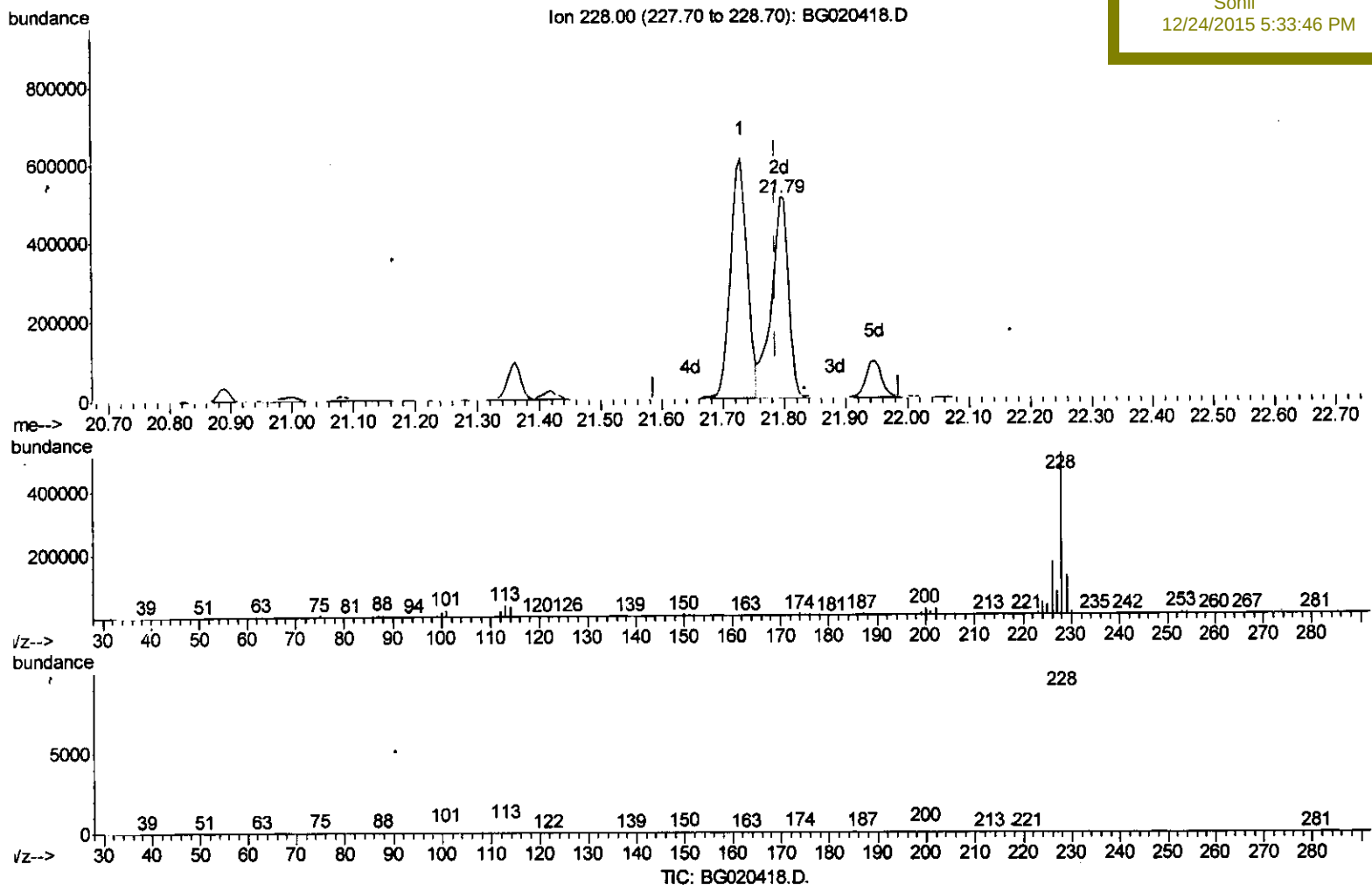
Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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 QLast Update : Wed Dec 23 04:11:36 2015
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Instrument :
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 ClientSampleId :
 D9N44ME

Manual Integrations
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(85) Chrysene

21.794min (+0.007) 103.13ng/ul m

response 997379

Ion	Exp%	Act%
228.00	100	100
226.00	29.90	32.41
229.00	19.50	23.93#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4767-22ME

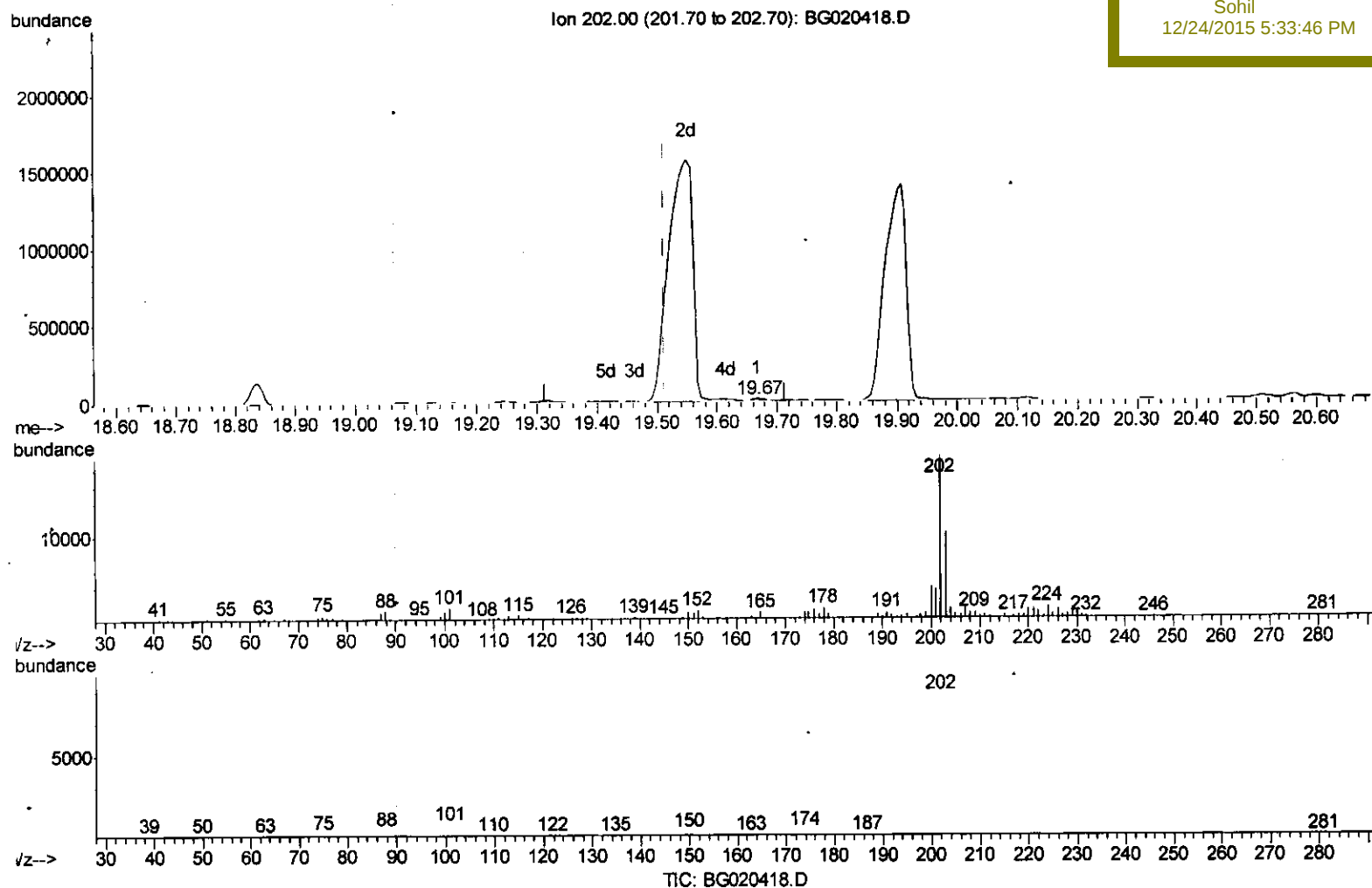
Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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Manual Integrations
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(77) Fluoranthene (C)

19.667min (+0.154) 2.30ng/ul

response 20586

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	7.90
100.00	6.40	5.75
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
 Data File : BG020418.D
 Acq On : 22 Dec 2015 20:52
 Operator : UM/SJ
 Sample : G4767-22ME

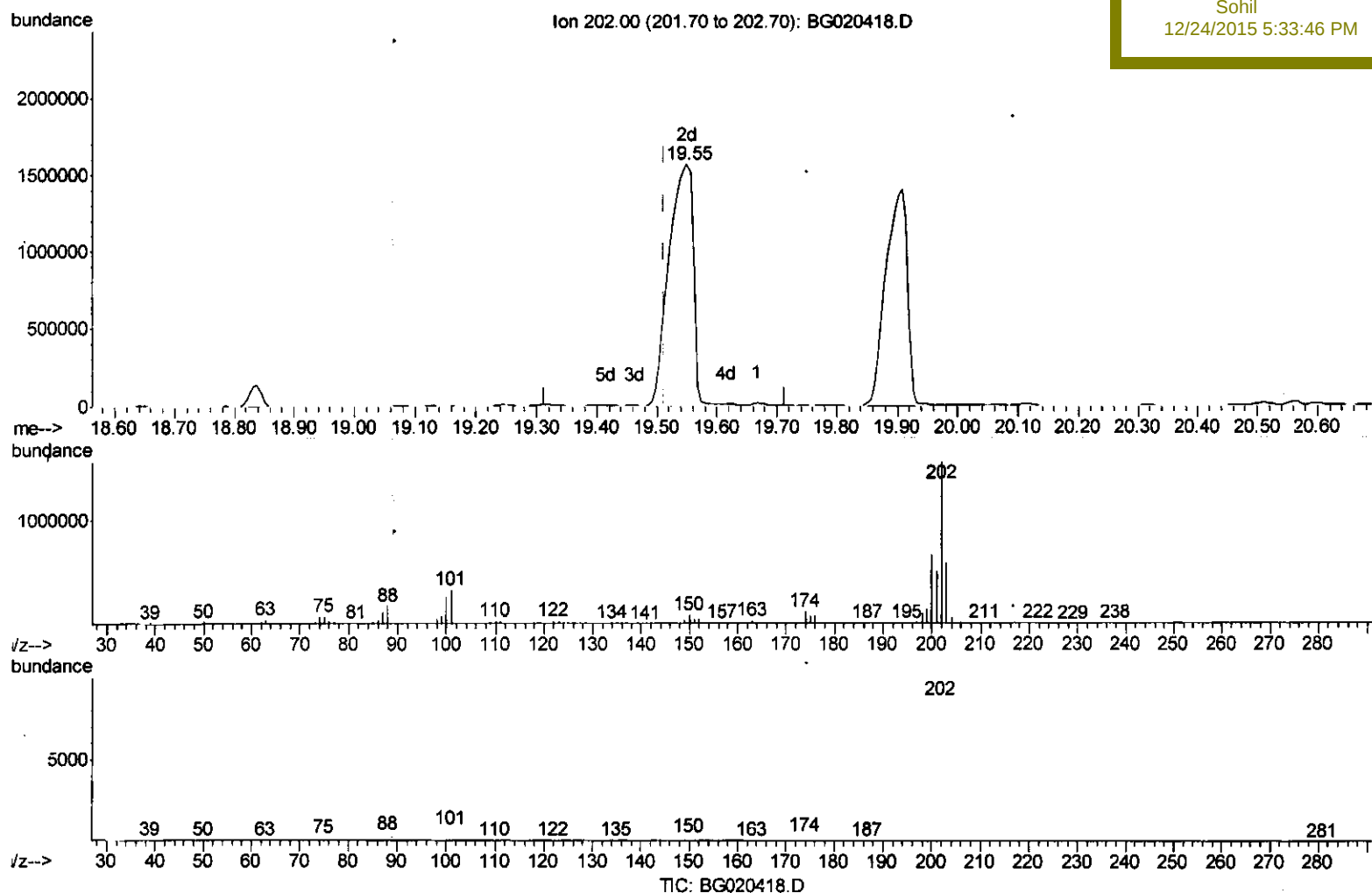
Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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Instrument :
 BNA_G
 ClientSampleId :
 D9N44ME

Manual Integrations
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(77) Fluoranthene (C)

19.550min (+0.037) 489.09ng/ul m

response 4371887

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	20.57#
100.00	6.40	16.52#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
 Data File : BG020418.D
 Acq On : 22 Dec 2015 20:52
 Operator : UM/SJ
 Sample : G4767-22ME

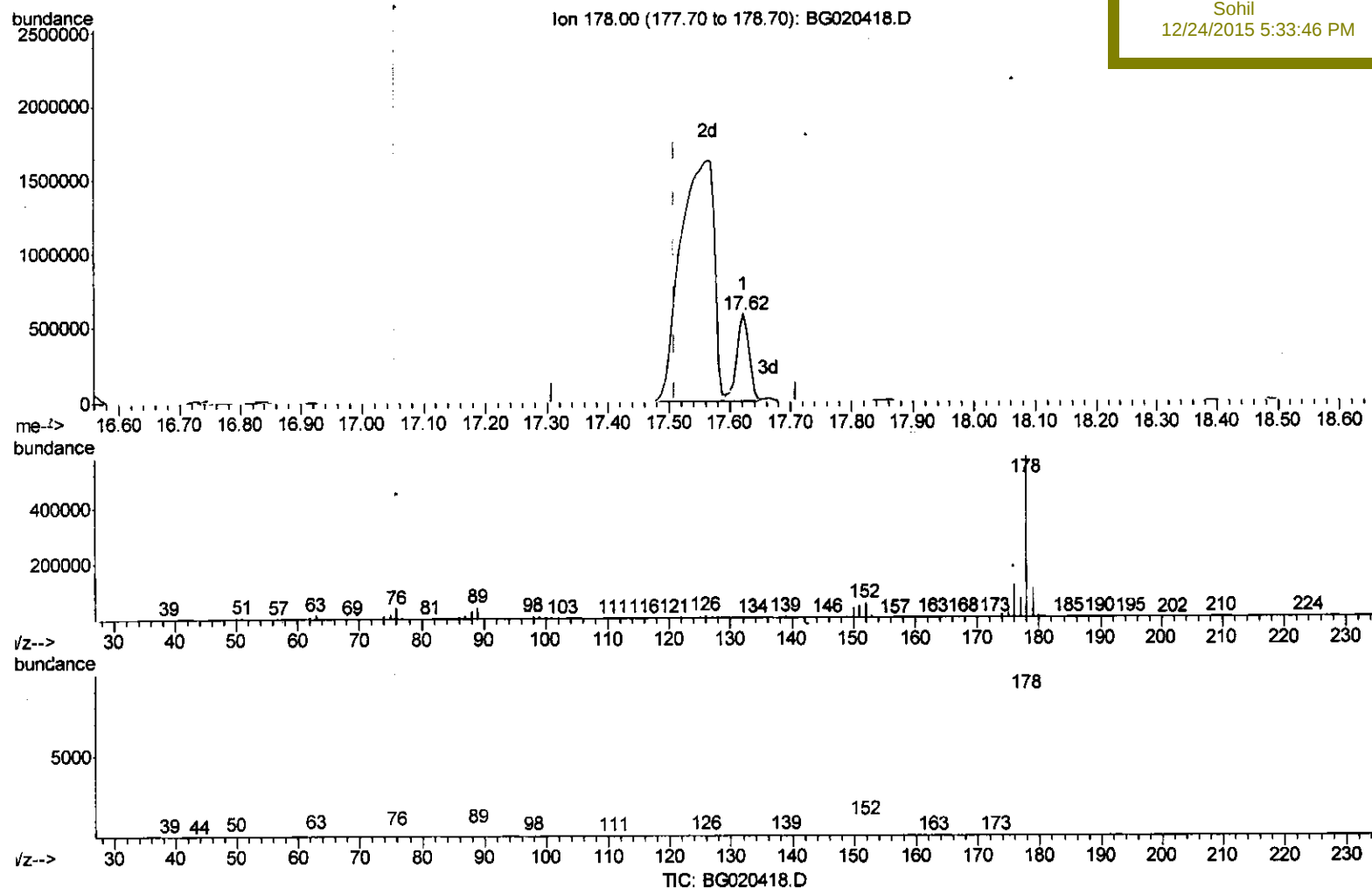
Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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Manual Integrations
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(70) Phenanthrene

17.623min (+0.113) 105.77ng/ul

response 809002

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	17.66
176.00	19.10	20.07
0.00	0.00	0.00

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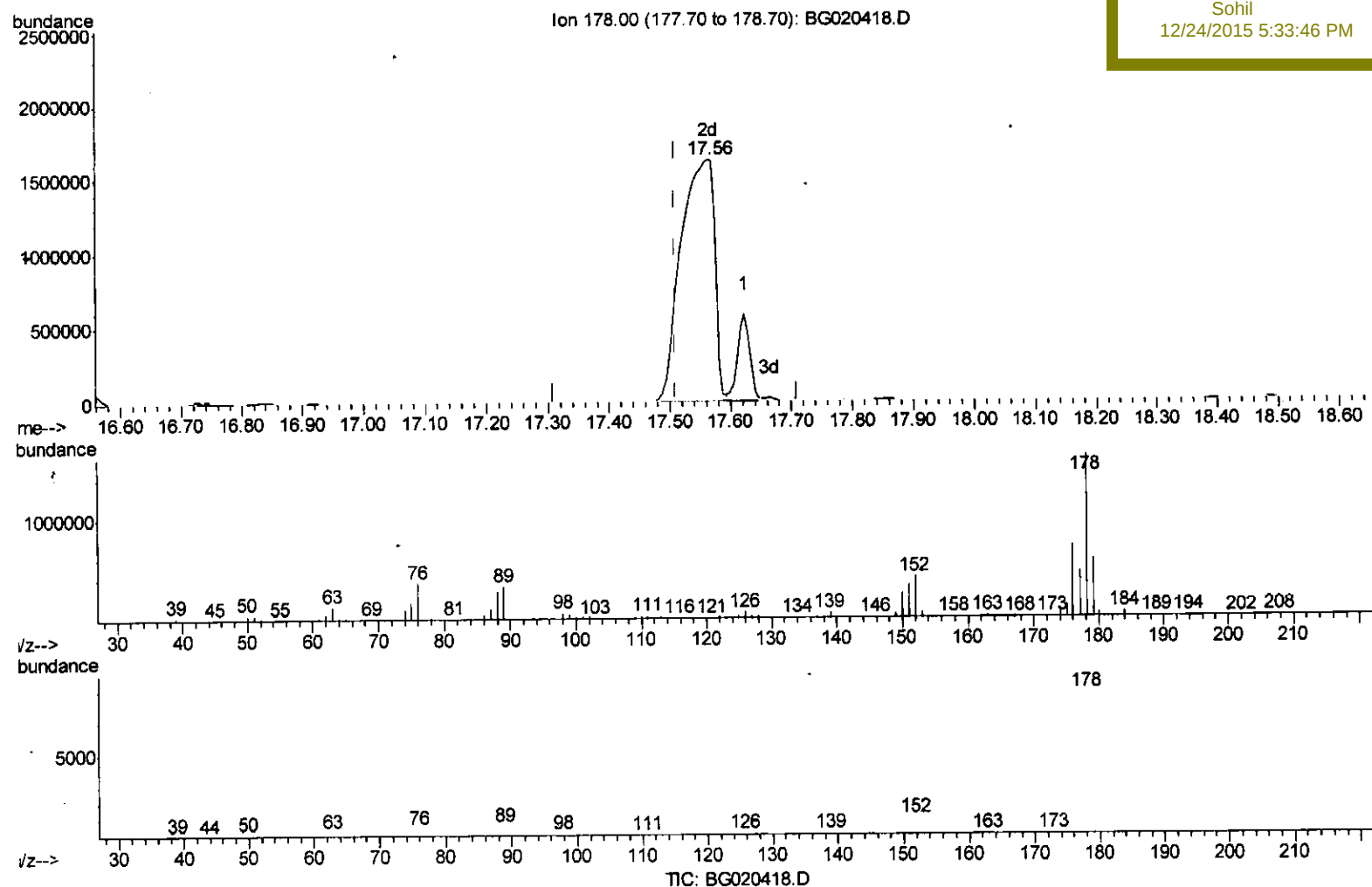
Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
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 D9N44ME

Manual Integrations
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(70) Phenanthrene

17.564min (+0.054) 819.86ng/ul m

response 6270620

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	35.76#
176.00	19.10	43.63#
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4/67-22ME

Misc : MED LEVEL RX

ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M

Quant Title : SVOA CALIBRATION

QLast Update : Wed Dec 23 04:11:36 2015

Response via : Initial Calibration

Instrument :

BNA_G

ClientSampleId :

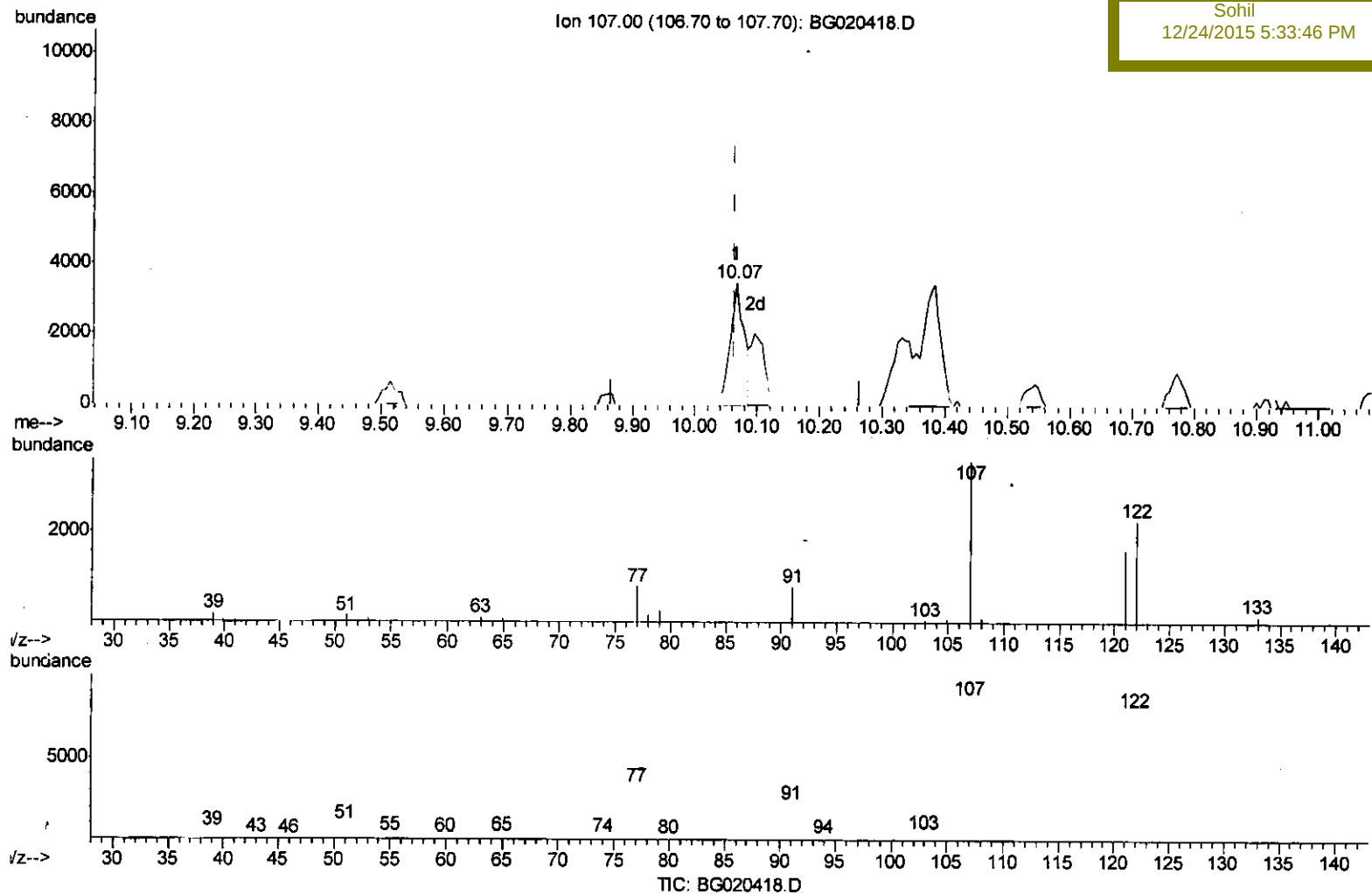
D9N44ME

Manual Integrations

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(24) 2,4-Dimethylphenol

10.067min (+0.002) 2.72ng/ul

response 5265

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	47.95
122.00	77.60	64.92
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
 Data File : BG020418.D
 Acq On : 22 Dec 2015 20:52
 Operator : UM/SJ
 Sample : G4767-22ME

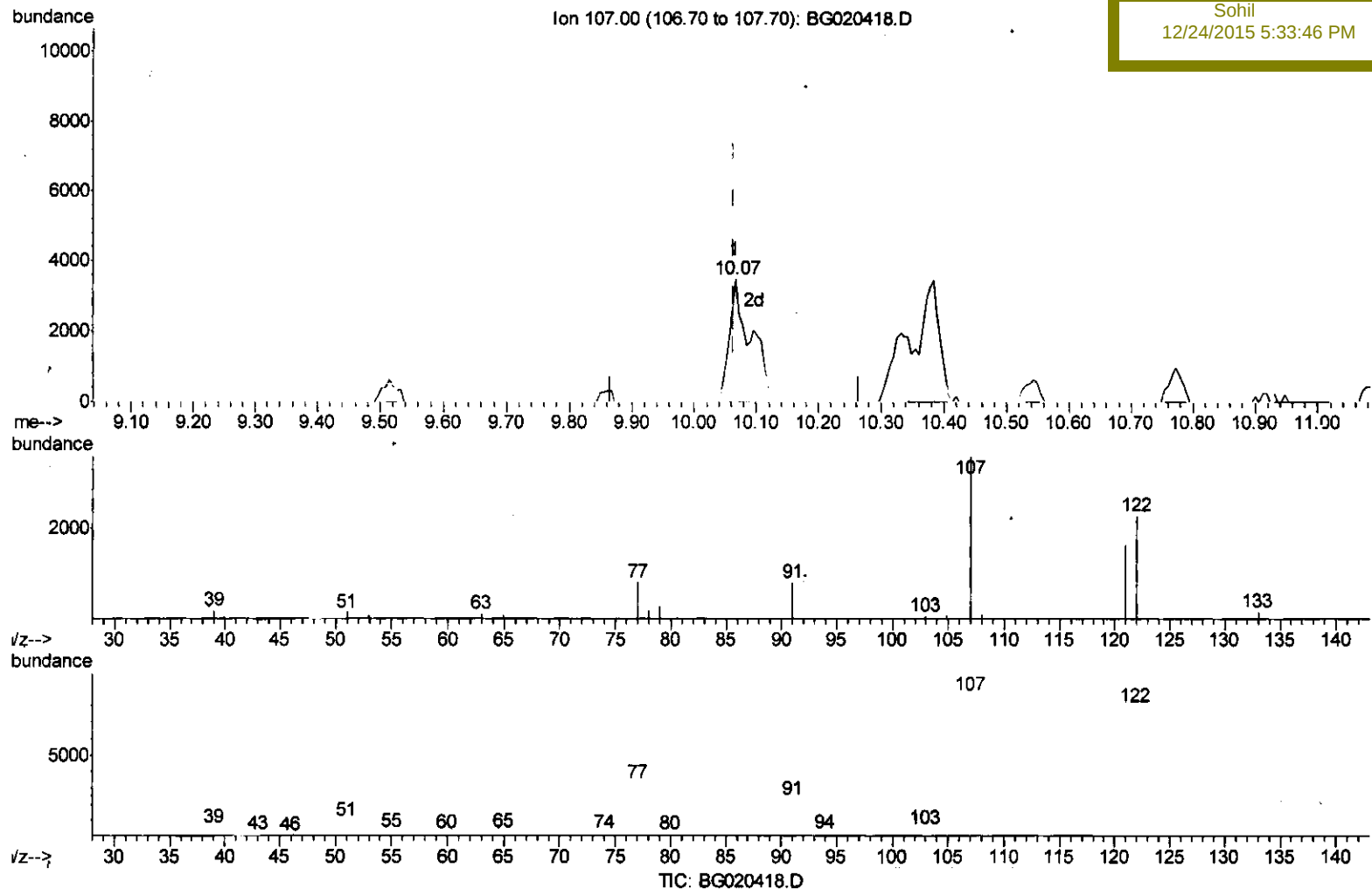
Misc : MED LEVEL RX
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 23 06:48:10 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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Instrument :
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 ClientSampleId :
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Manual Integrations
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(24) 2,4-Dimethylphenol

10.067min (+0.002) 4.33ng/ul m

response 8388

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	47.95
122.00	77.60	64.92
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
Data File : BG020418.D
Acq On : 22 Dec 2015 20:52
Operator : UM/SJ
Sample : G4767-22ME
Misc : MED LEVEL RX
ALS Vial : 11 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20499	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	91670	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.72	164	68627	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	139829	20.00	ng/ul	0.01
78) Chrysene-d12	21.75	240	175989	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	171430	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	1086	2.93	ng/uL	0.00
5) Phenol-d5	7.24	99	32145	17.78	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	21223	19.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	26141	19.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	29277	18.94	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	15271	21.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	17762	22.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	32014	19.88	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	36446	20.14	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	109251	19.68	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	129025	19.98	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	13194	13.25	ng/ul	0.00
58) Fluorene-d10	15.71	176	99685	19.80	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.86	200	13650	16.47	ng/ul	0.03
71) Anthracene-d10	17.59	188	143545	22.28	ng/ul	0.03
79) Pyrene-d10	19.86	212	175464	21.39	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	202143	23.64	ng/ul	0.00

Target Compounds					Qvalue
16) 4-Methylphenol	8.86	108	2195	1.34 ng/ul#	74
24) 2,4-Dimethylphenol	10.07	107	8388m→	4.33 ng/ul	
28) Naphthalene	10.99	128	3922615	819.40 ng/ul#	74
34) 2-Methylnaphthalene	12.58	142	1581878	432.61 ng/ul	100
41) 1,1'-Biphenyl	13.56	154	696049	134.44 ng/ul	99
45) Dimethylphthalate	14.17	163	17085	3.01 ng/ul	99
48) Acenaphthylene	14.44	152	262308	38.23 ng/ul#	96
50) Acenaphthene	14.81	153	2441336	528.83 ng/ul#	89
54) Dibenzofuran	15.14	168	2415647	351.75 ng/ul#	81
59) Fluorene	15.79	166	2278892	413.23 ng/ul#	97
70) Phenanthrene	17.56	178	6270620m→	819.86 ng/ul	
72) Anthracene	17.62	178	814133	104.95 ng/ul.	95
75) Carbazole	17.88	167	508181	77.96 ng/ul	97
77) Fluoranthene	19.55	202	4371887m→	489.09 ng/ul	
80) Pyrene	19.91	202	3460343	324.87 ng/ul#	79
83) Benzo(a)anthracene	21.73	228	1155321	112.51 ng/ul	94
85) Chrysene	21.79	228	997379m→	103.13 ng/ul	
88) Benzo(b)fluoranthene	23.97	252	599048	58.06 ng/ul	95
89) Benzo(k)fluoranthene	24.03	252	212524m→	21.46 ng/ul	
91) Benzo(a)pyrene	24.86	252	343059	35.07 ng/ul	96
92) Indeno(1,2,3-cd)pyrene	28.73	276	106224	9.12 ng/ul	93
93) Dibenzo(a,h)anthracene	28.77	278	30492m→	3.15 ng/ul	
94) Benzo(g,h,i)perylene	29.90	276	79247	8.30 ng/ul	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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