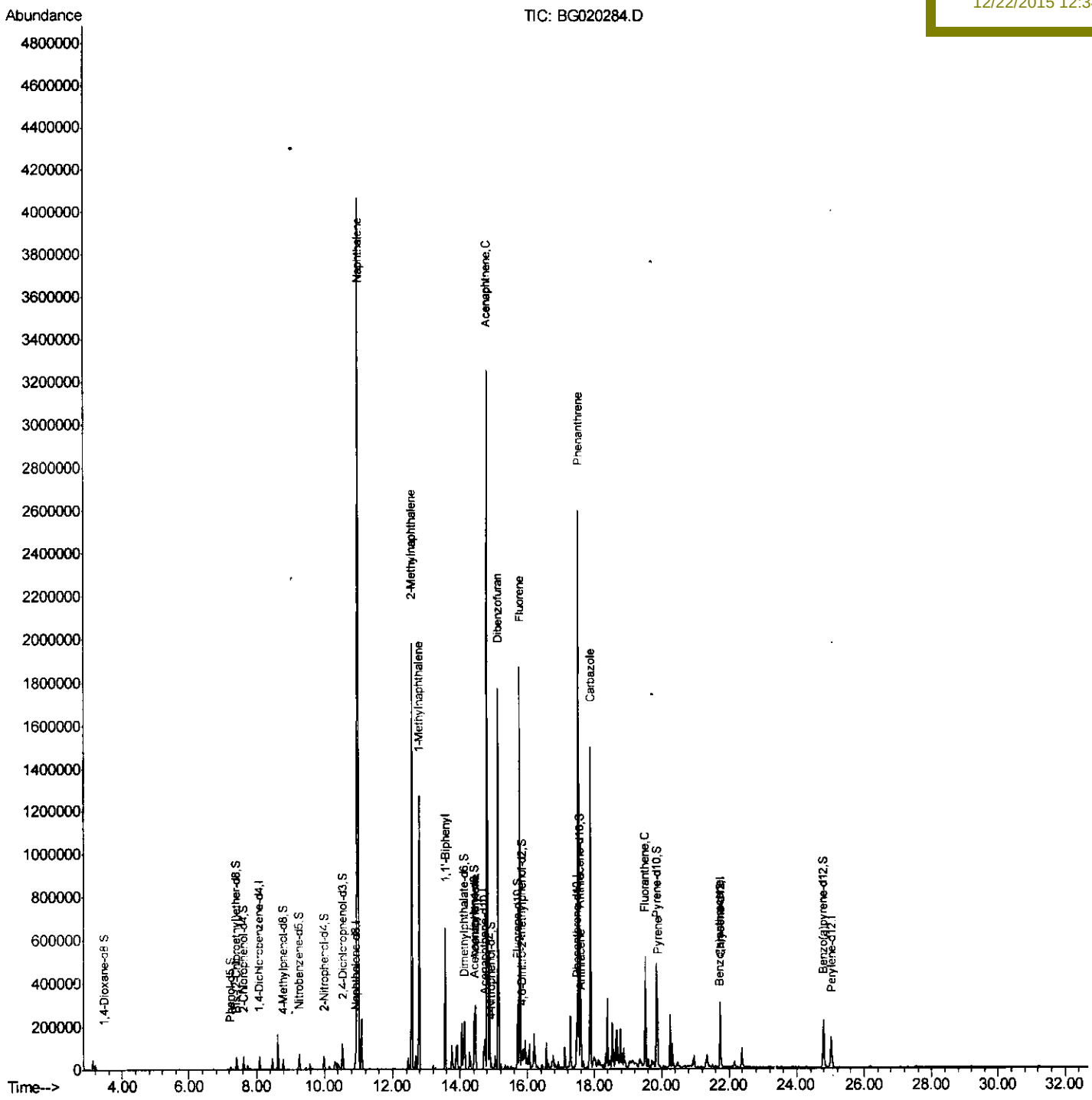
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 19 02:47:58 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N29

Manual Integrations APPROVED
apatel
12/22/2015 12:34:48 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
[illegible] :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 19 00:50:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : D9N29

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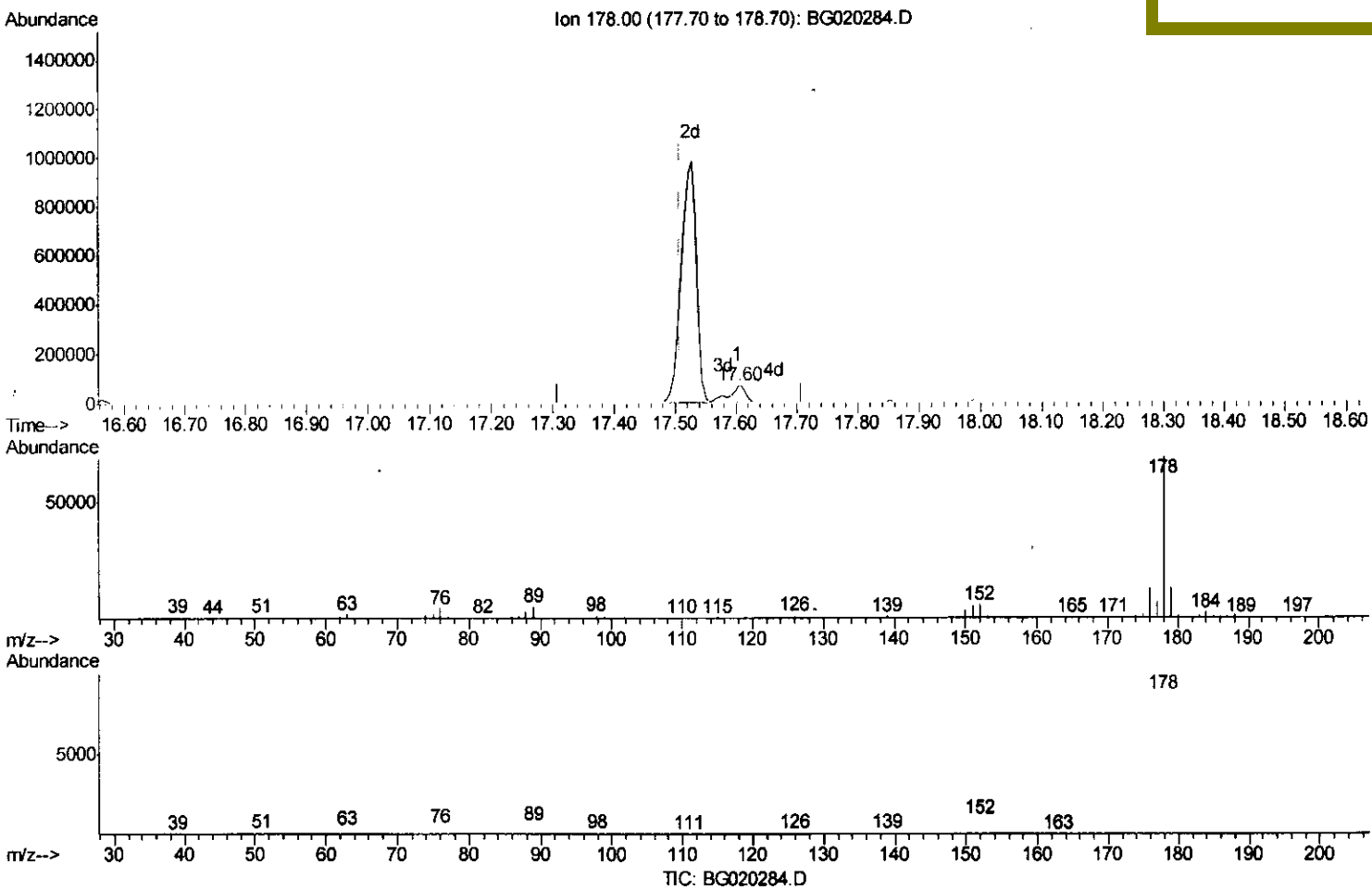

TIC: BG020284.D

(70) Phenanthrene

17.603min (+0.095) 13.55ng/ul

response 100330

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	18.76
176.00	19.10	18.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 19 00:50:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
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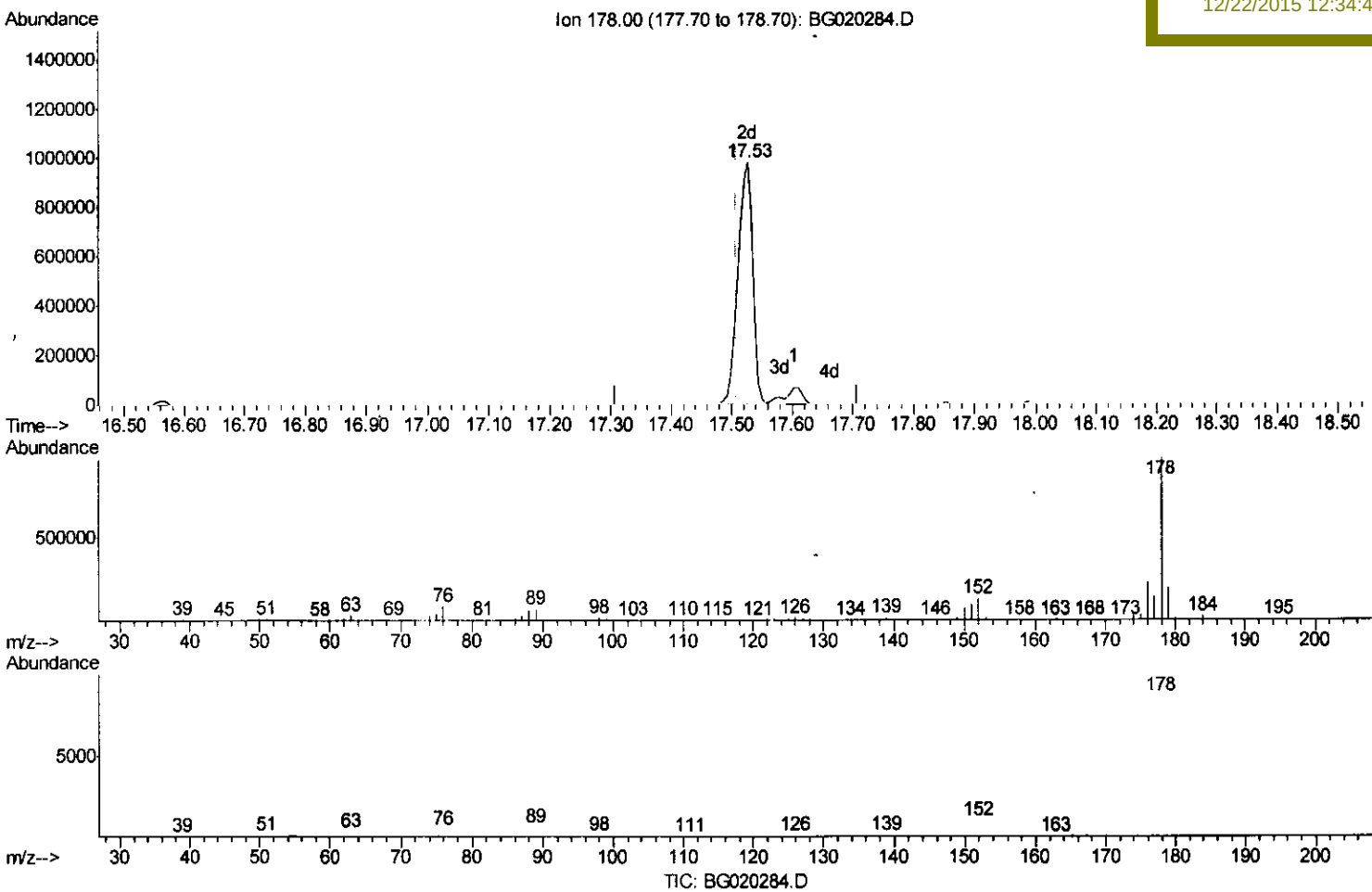
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N29

Manual Integrations APPROVED
apatel
12/22/2015 12:34:48 PM



TIC: BG020284.D

(70) Phenanthrene

17.527min (+0.018) 228.54ng/ul m

response 1692783

12/22/15

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	19.70#
176.00	19.10	23.29#
0.00	0.00	0.00

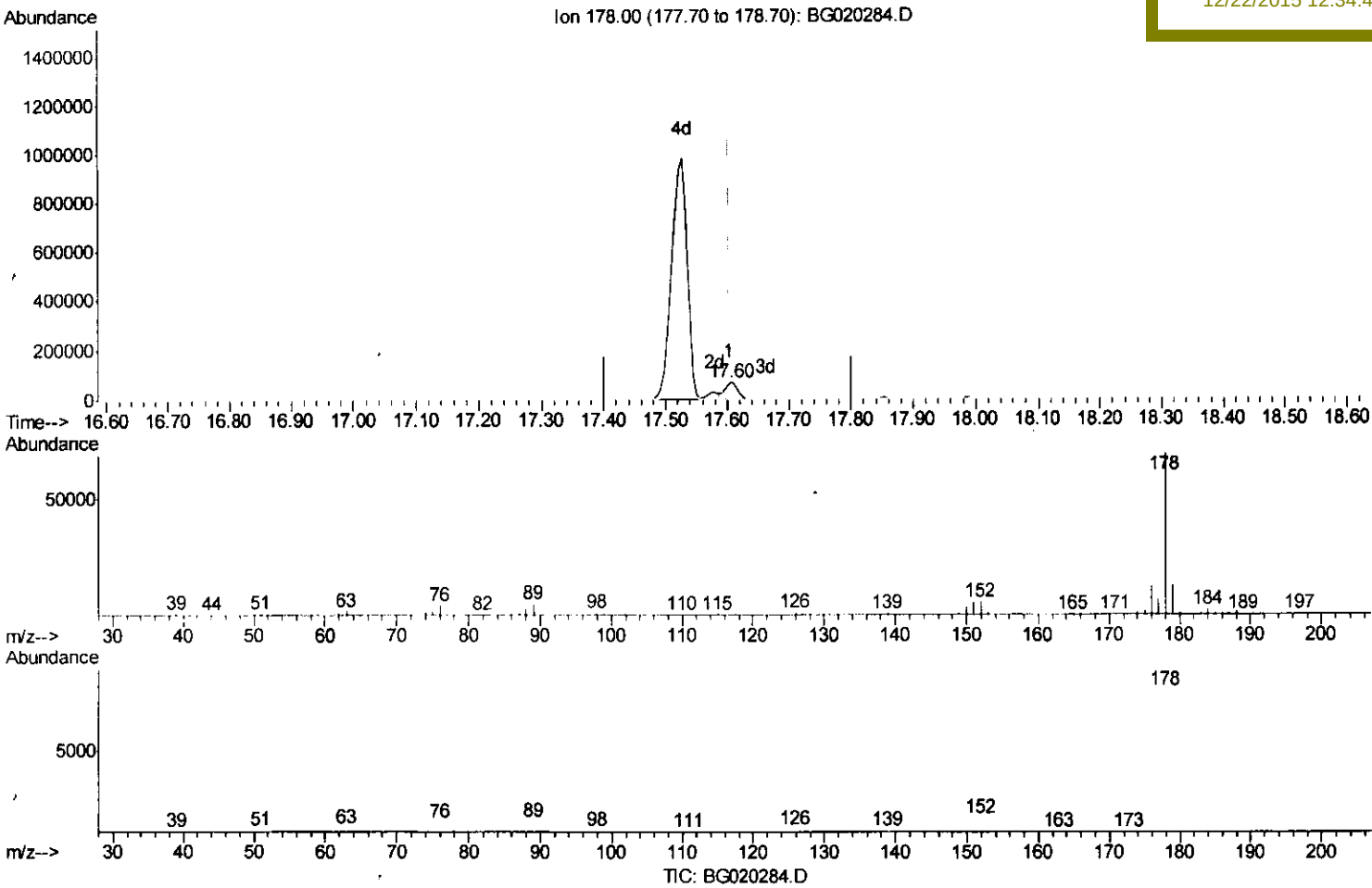
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : JM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 19 00:50:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N29

Manual Integrations APPROVED
apatel
12/22/2015 12:34:48 PM



TIC: BG020284.D

(72) Anthracene

17.603min (+0.001) 13.49ng/ul

response 101331

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	18.76#
176.00	17.90	18.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG121915\
Data File : BG020284.D
Acq On : 18 Dec 2015 20:52
Operator : UM/SJ
Sample : G4768-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 19 00:50:30 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N29

Manual Integrations APPROVED
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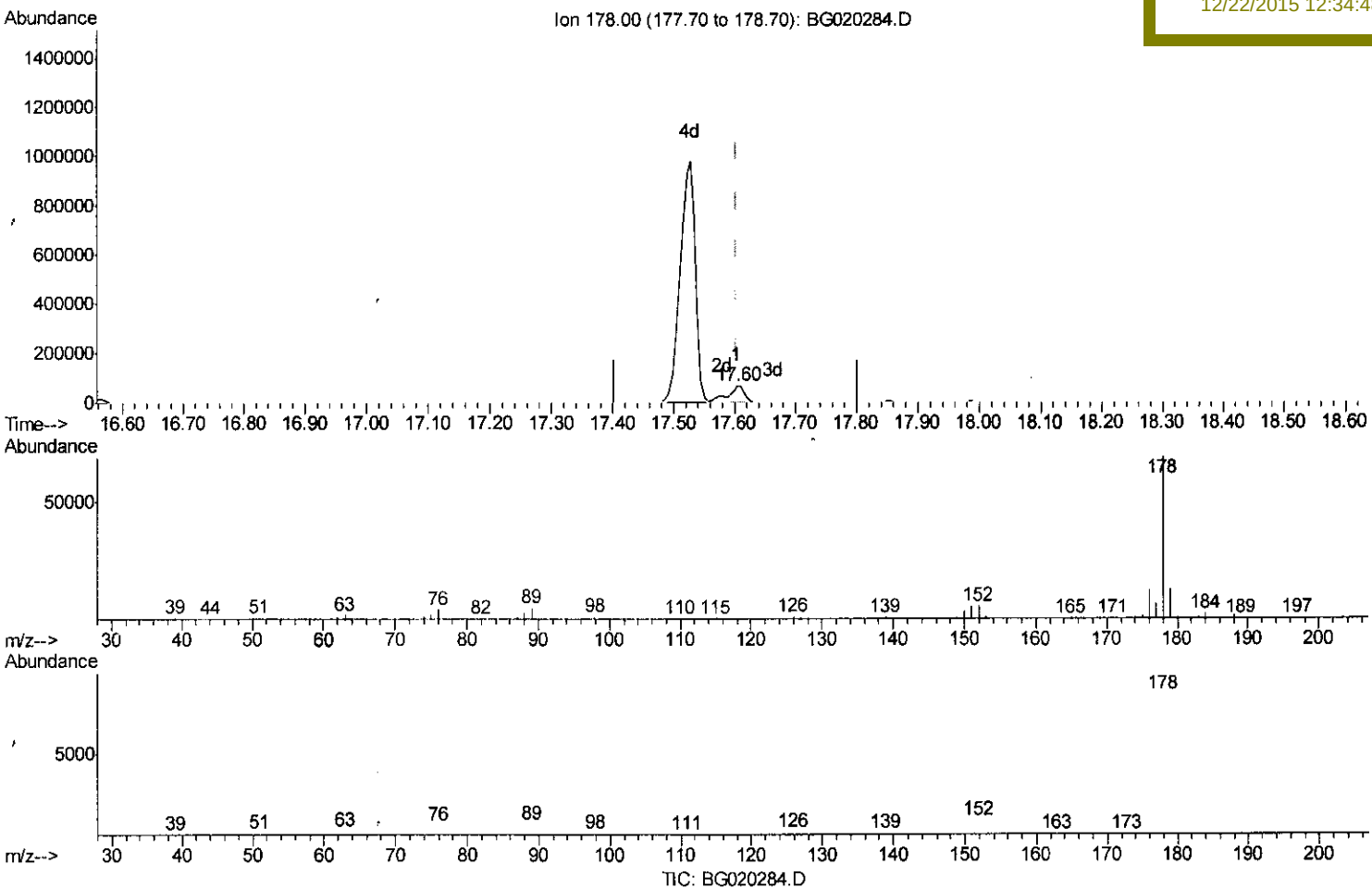
12/22/2015 12:34:48 PM



TIC: BG020284.D

(72) Anthracene

17.603min (+0.001) 18.55ng/ul m U.M 12/22/15

response 139361

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	18.76#
176.00	17.90	18.18
0.00	0.00	0.00

Quantitation Report (LSC Reviewed)

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Instrument : BNA_G
ClientSampleId : D9N29

Manual Integrations APPROVED
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12/22/2015 12:34:48 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	18208	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	78299	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	54232	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	135413	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	178335	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	167613	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.46	96	429	1.30	ng/uL	0.00
5) Phenol-d5	7.24	99	10855	6.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	28269	29.51	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	28758	24.63	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	21562	15.70	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	20140	33.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	22757	33.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	40218	29.23	ng/ul	0.00
29) 4-Chloroaniline-d4	11.06	131	1499	0.97	ng/ul	0.02
44) Dimethylphthalate-d6	14.13	166	143875	32.80	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	165455	32.42	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5140	6.53	ng/ul	0.00
58) Fluorene-d10	15.72	176	128424	32.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	23307	29.03	ng/ul	0.00
71) Anthracene-d10	17.57	188	208635	33.44	ng/ul	0.00
79) Pyrene-d10	19.85	212	253014	30.44	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	265870	31.80	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	11.00	128	3906594	955.41	ng/ul#	75
34) 2-Methylnaphthalene	12.57	142	974511	312.02	ng/ul	98
35) 1-Methylnaphthalene	12.79	142	588099	195.86	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	357431	87.36	ng/ul	96
48) Acenaphthylene	14.45	152	175894	32.44	ng/ul	98
50) Acenaphthene	14.81	153	1481541	406.11	ng/ul	94
54) Dibenzofuran	15.13	168	1142671	210.55	ng/ul	93
59) Fluorene	15.78	166	892584	204.81	ng/ul	98
70) Phenanthrene	17.53	178	1692783m	228.54	ng/ul	
72) Anthracene	17.60	178	139361m	18.55	ng/ul	
75) Carbazole	17.88	167	1086739	172.16	ng/ul	96
77) Fluoranthene	19.52	202	330030	38.13	ng/ul	98
80) Pyrene	19.88	202	194511	18.02	ng/ul	99
83) Benzo(a)anthracene	21.72	228	10707	1.03	ng/ul	98

U.M 12/22/15

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