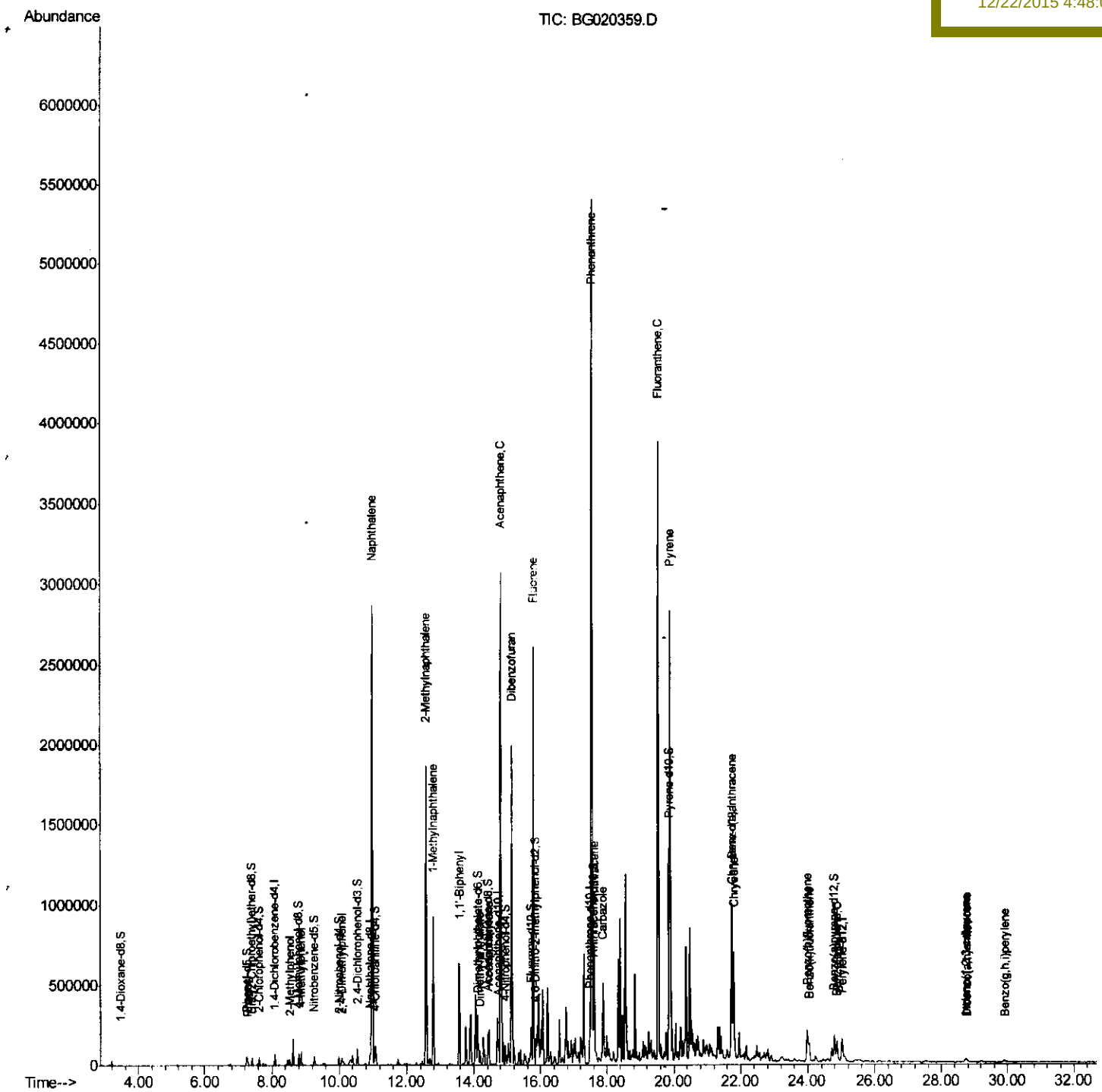
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 04:59:04 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
apatel
12/22/2015 4:48:04 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:30:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
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Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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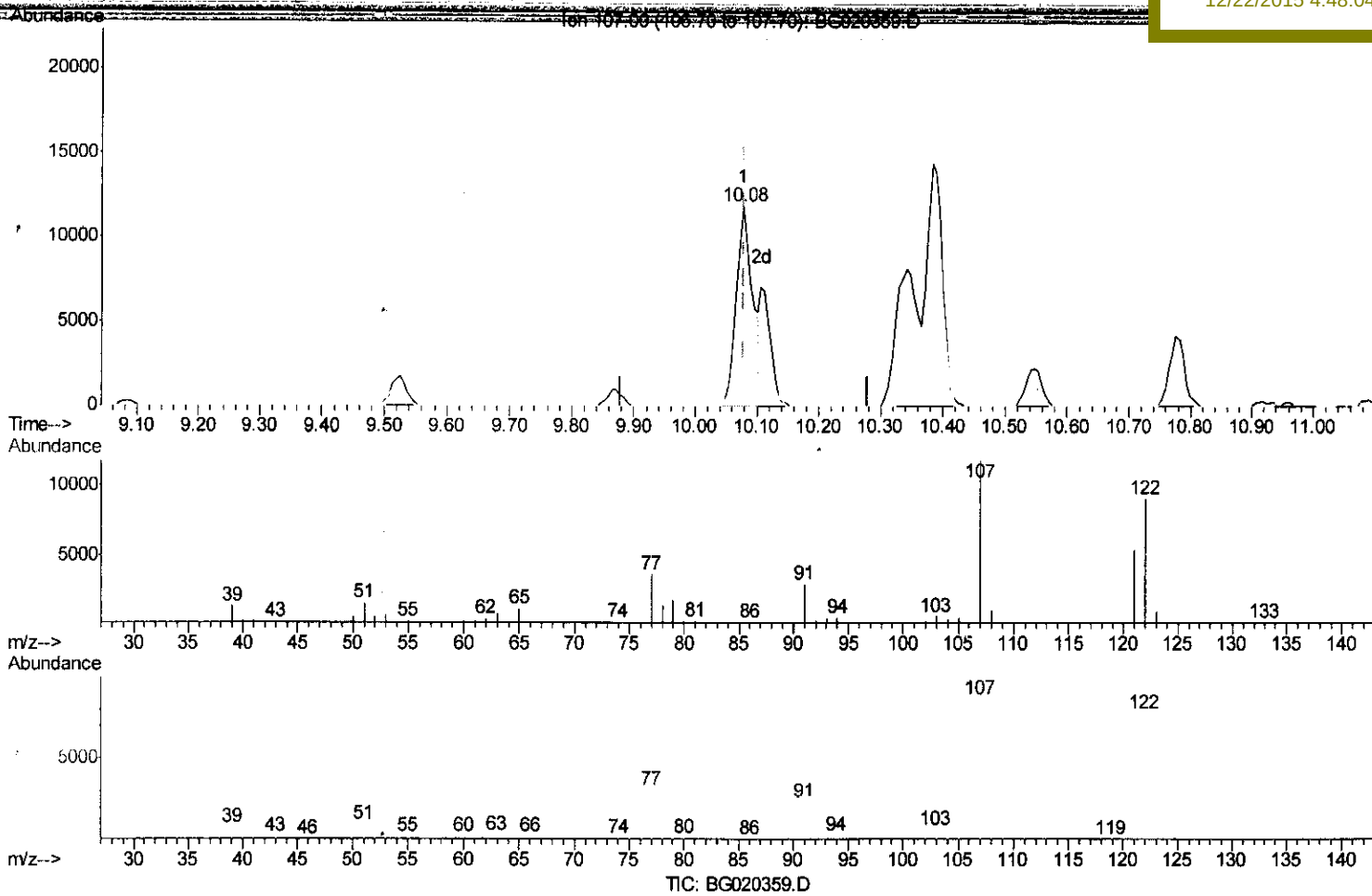

(24) 2,4-Dimethylphenol

10.077min (-0.002) 11.32ng/ul

response 21624

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	45.58
122.00	77.60	76.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:30:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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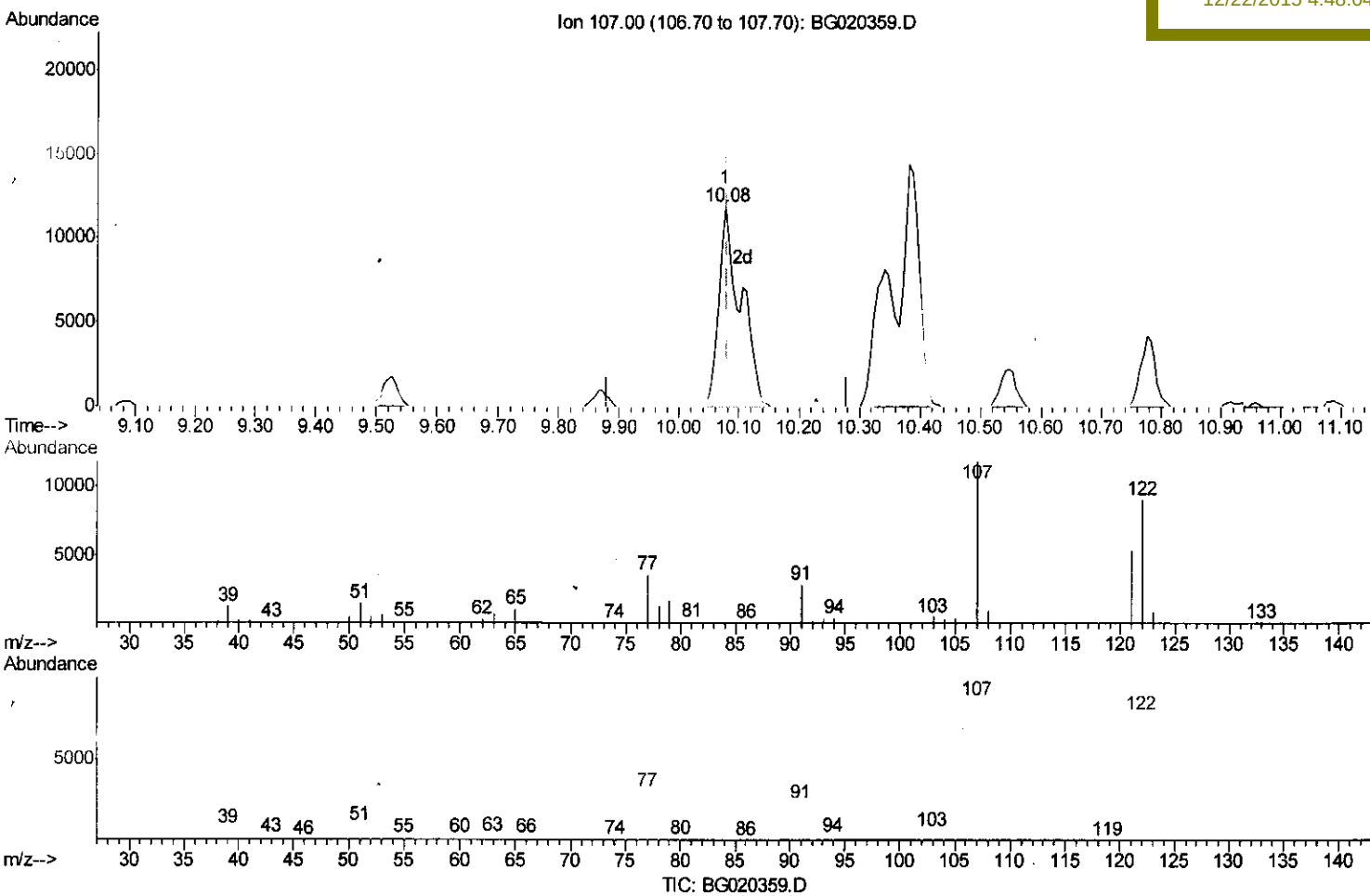

TIC: BG020359.D

(24) 2,4-Dimethylphenol

10.077min (-0.002) 15.83ng/ul m U,M 12/23/15

response 30242

Ion	Exp%	Act%
107.00	100	100
121.00	48.70	45.58
122.00	77.60	76.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G1848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:30:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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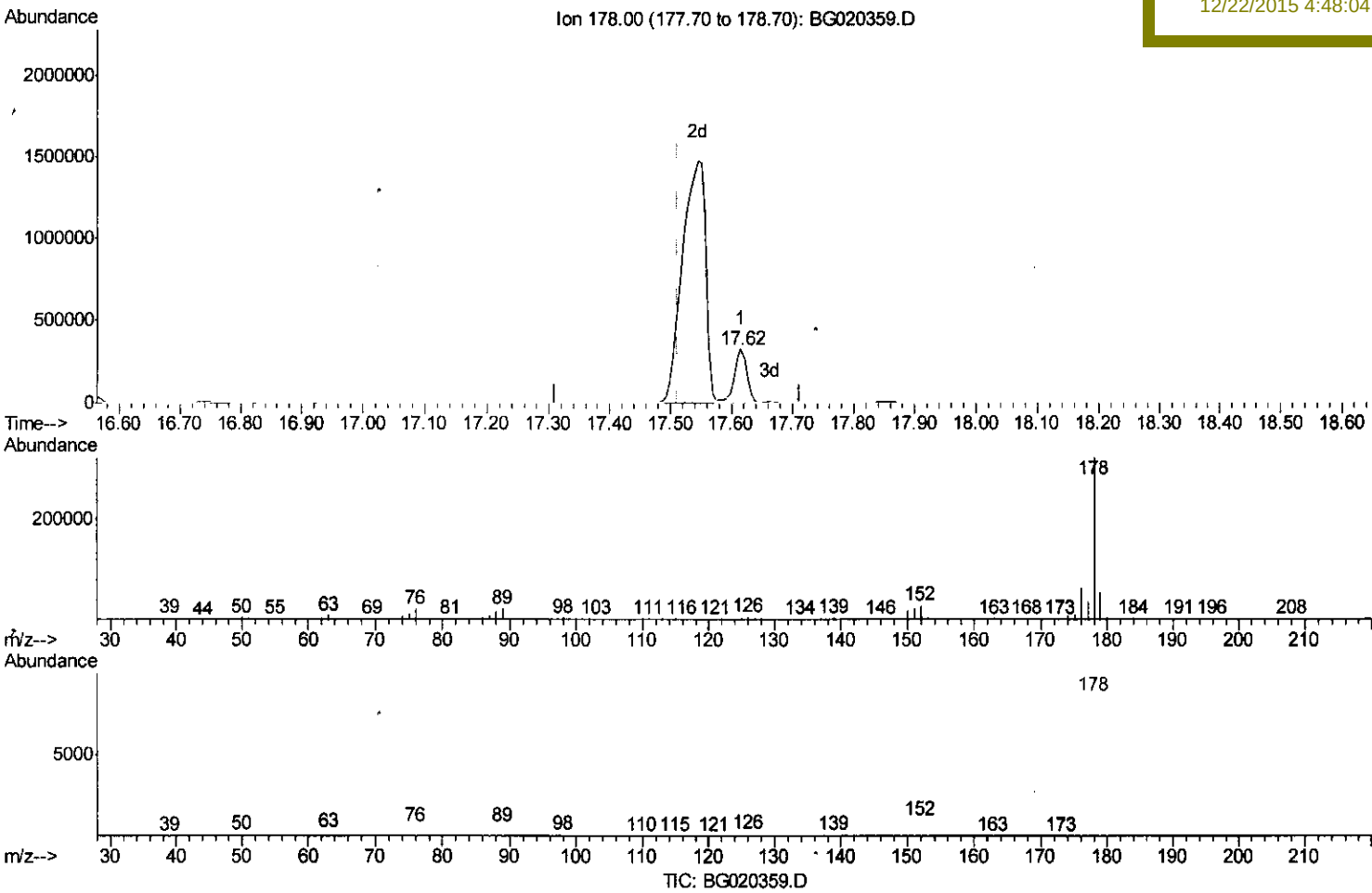

TIC: BG020359.D

(70) Phenanthrene

17.615min (+0.104) 63.96ng/ul

response 473202

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	16.53
176.00	19.10	19.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:30:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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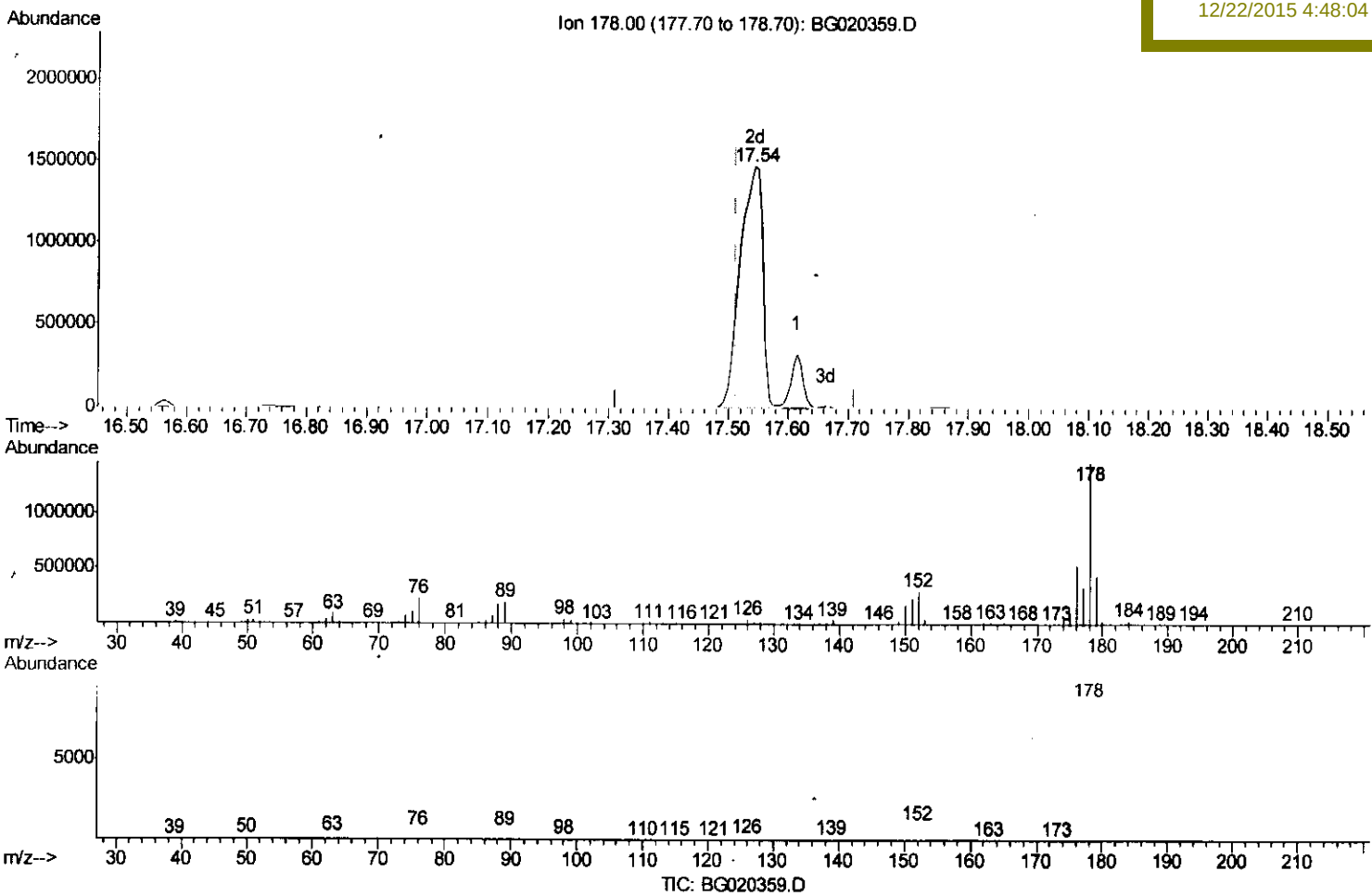

TIC: BG020359.D

(70) Phenanthrene

17.545min (+0.033) 528.66ng/ul m U.M 12/23/15

response 3911085

Ion	Exp%	Act%
178.00	100	100
179.00	16.10	29.76#
176.00	19.10	35.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:30:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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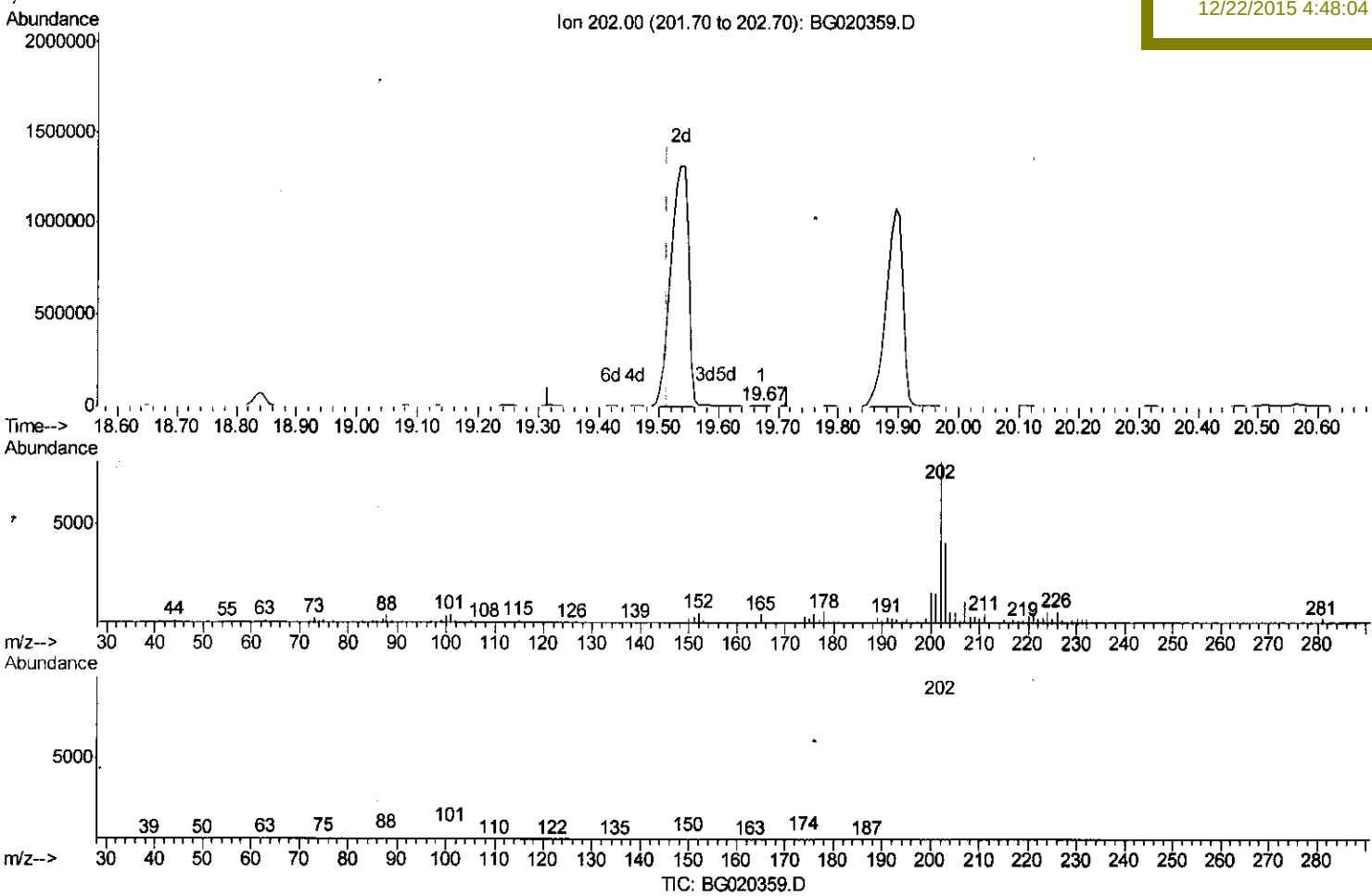

TIC: BG020359.D

(77) Fluoranthene (C)

19.672min (+0.156) 0.85ng/ul

response 7351

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	6.62
100.00	6.40	5.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:30:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
apatel
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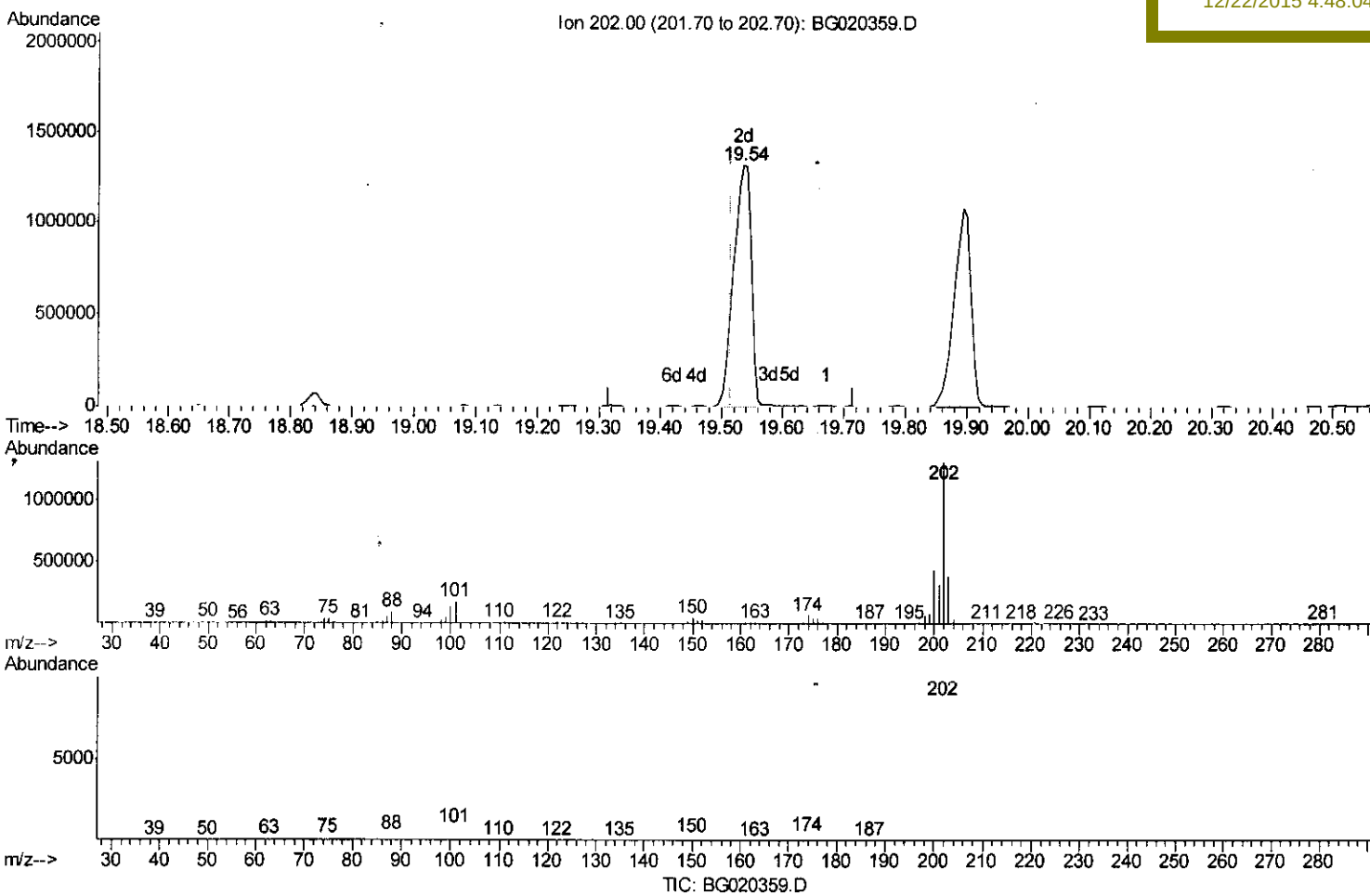

(77) Fluoranthene (C)

19.536min (+0.021) 310.80ng/ul m U.M 12/23/15

response 2687255

Ion	Exp%	Act%
202.00	100	100
101.00	7.80	13.08#
100.00	6.40	10.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:55
Operator : DMC
Sample : 04846-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:30:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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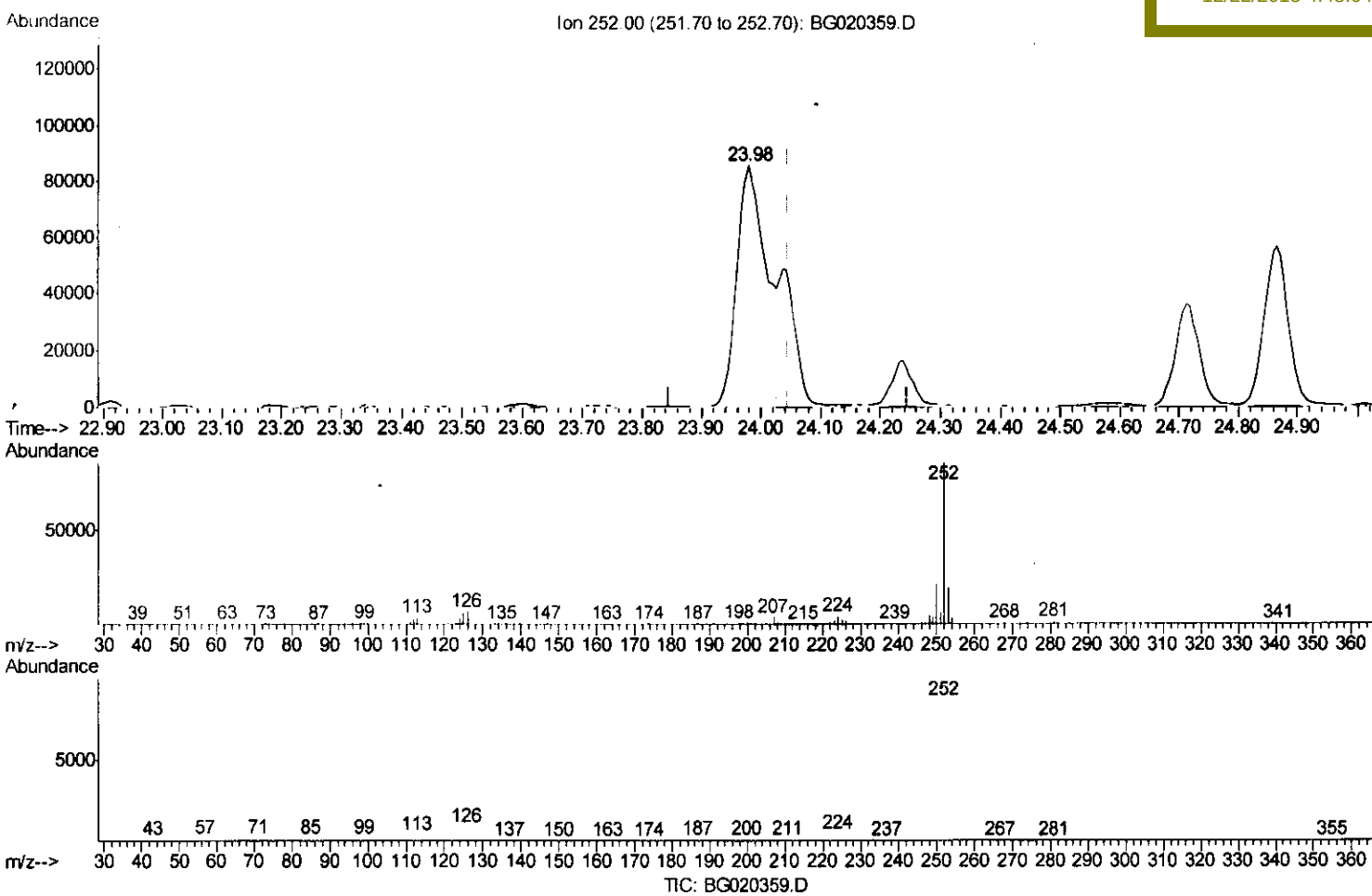

(89) Benzo(k)fluoranthene

23.978min (-0.067) 30.34ng/ul

response 289232

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	22.57
125.00	7.20	6.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:30:47 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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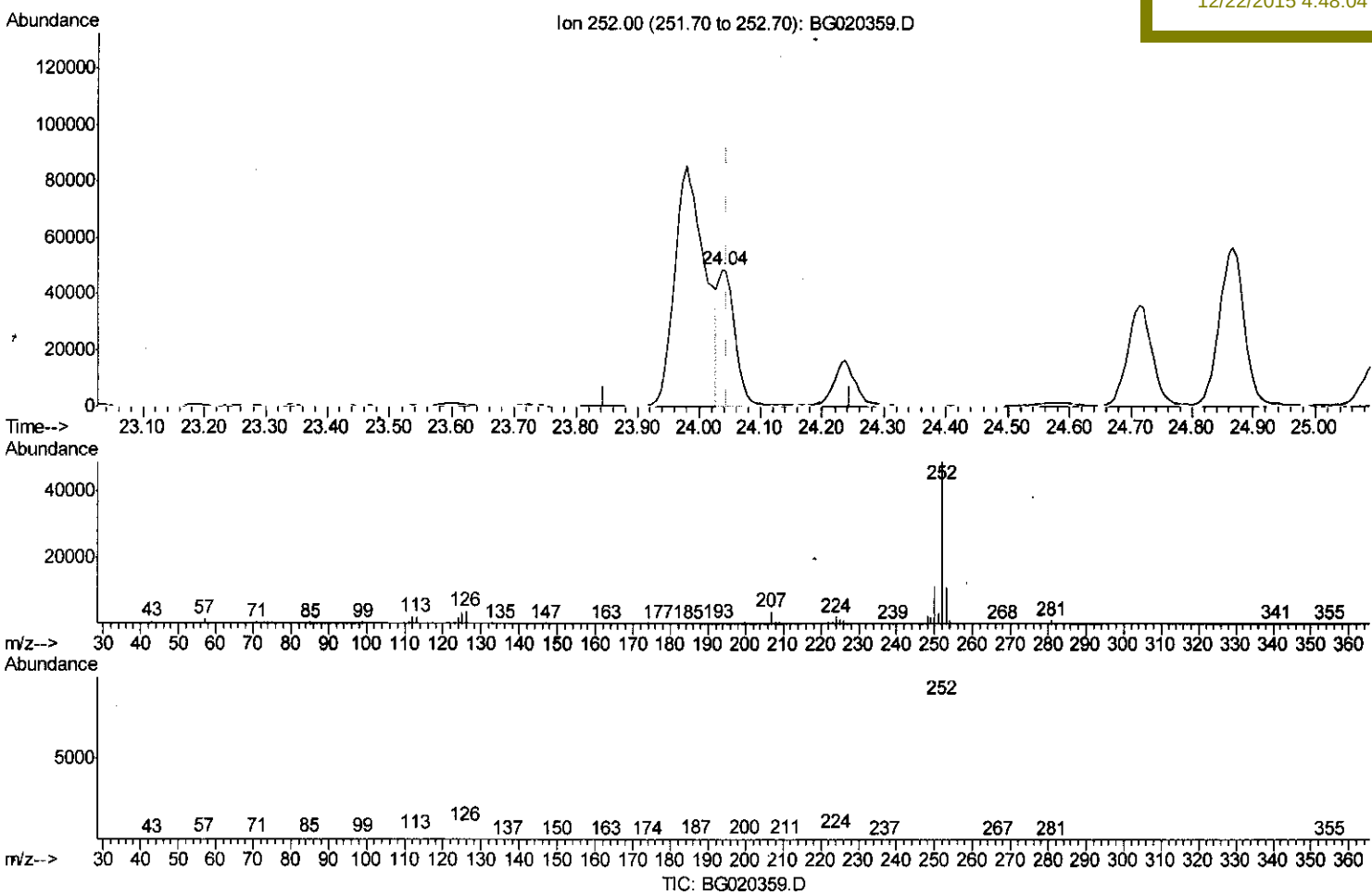
12/22/2015 4:48:04 PM



TIC: BG020359.D

(89) Benzo(k)fluoranthene

24.037min (-0.008) 9.77ng/ul m U,M 12/23/15

response 93151

Ion	Exp%	Act%
252.00	100	100
253.00	22.40	23.13
125.00	7.20	7.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:34:26 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
Qlast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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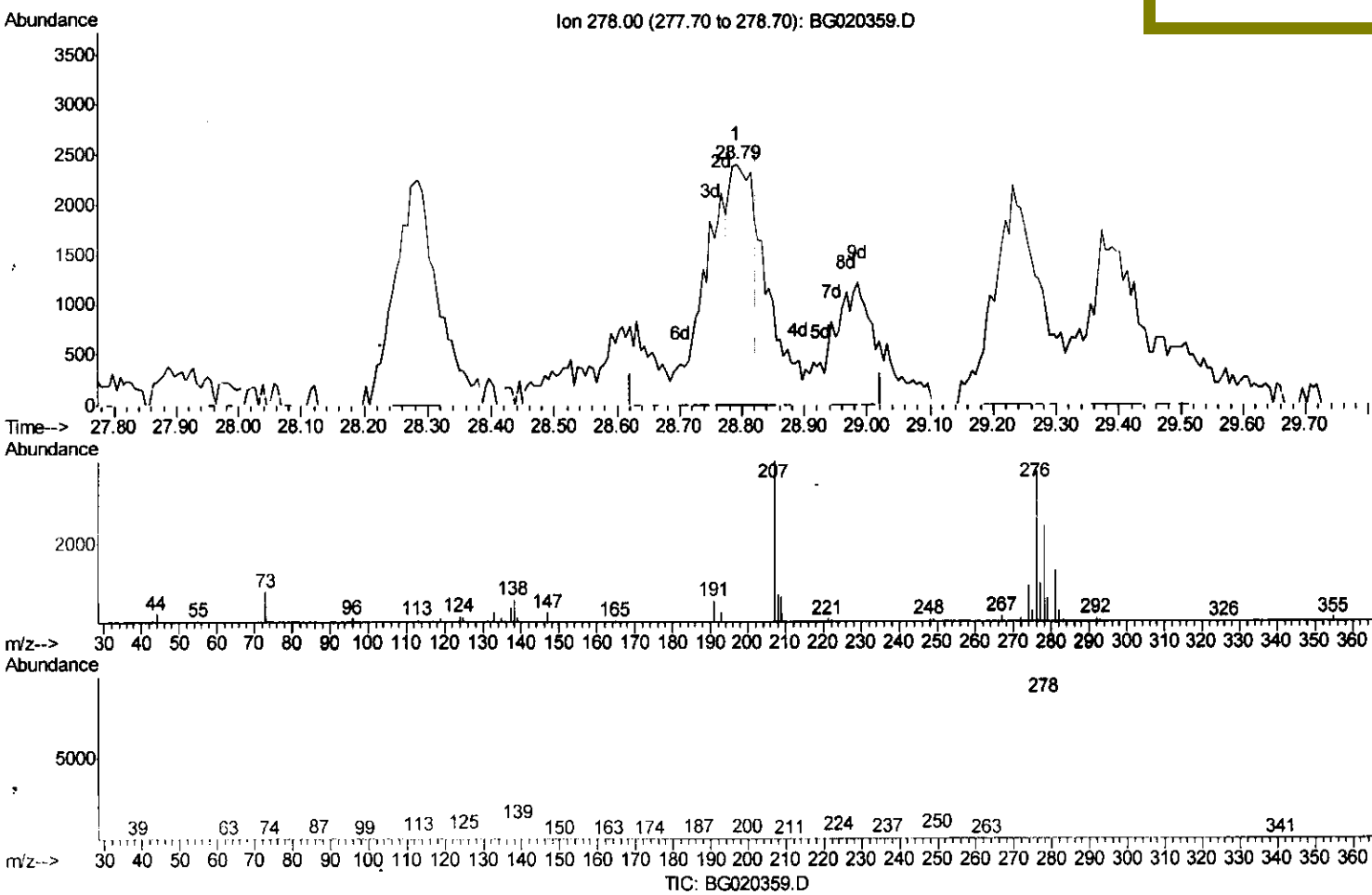


TIC: BG020359.D

(93) Dibenzo(a,h)anthracene

28.790min (-0.032) 0.12ng/ul

response 1100

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	11.23
279.00	24.20	28.87
0.00	0.00	0.00

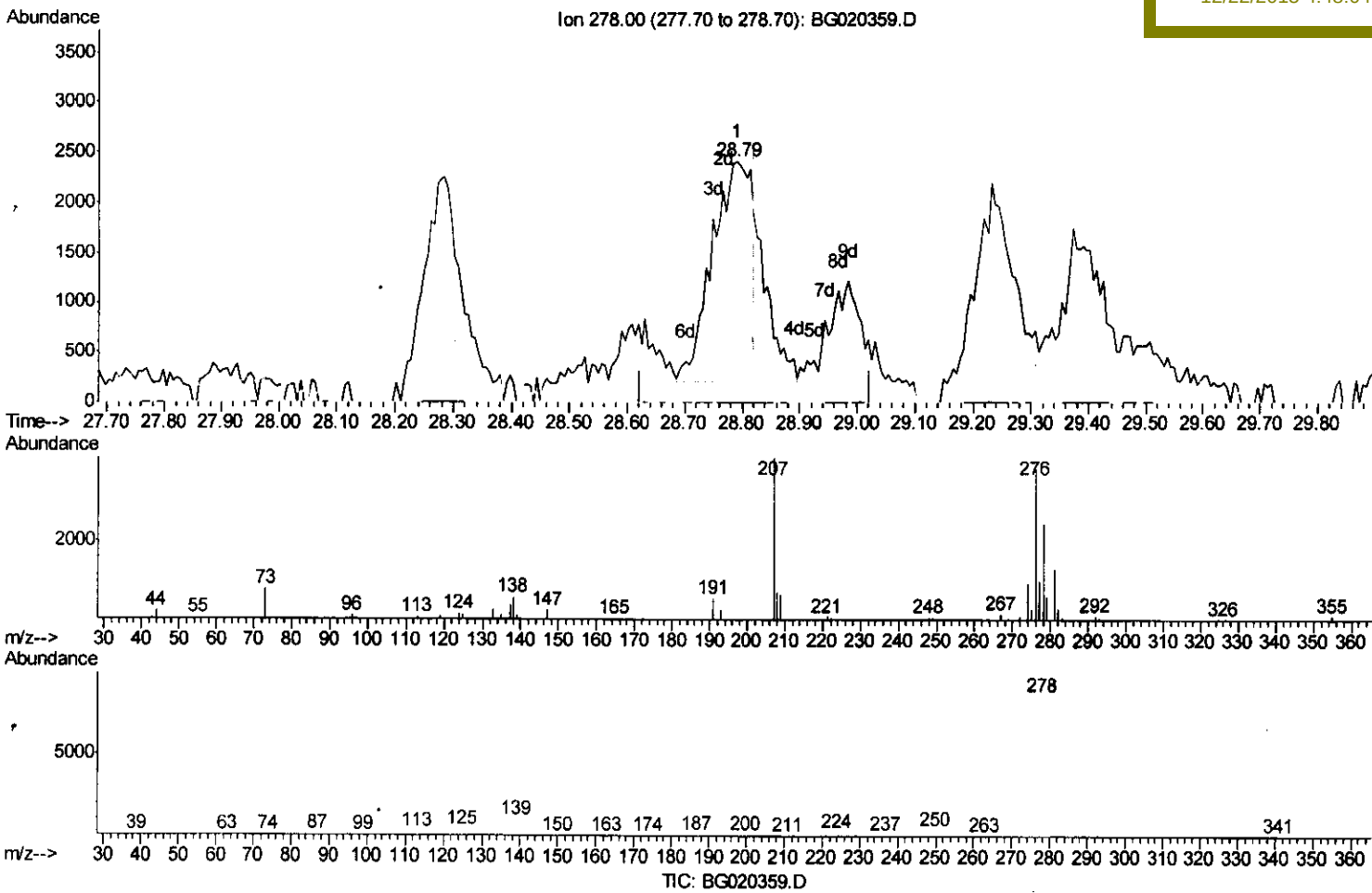
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 03:34:26 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
apatel
12/22/2015 4:48:04 PM



TIC: BG020359.D

(93) Dibenzo(a,h)anthracene

28.790min (-0.032) 1.42ng/ul m U.M 12/23/15

response 13235

Ion	Exp%	Act%
278.00	100	100
139.00	11.80	11.23
279.00	24.20	28.87
0.00	0.00	0.00

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122015\
Data File : BG020359.D
Acq On : 21 Dec 2015 1:53
Operator : UM/SJ
Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

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Instrument : BNA_G
ClientSampleId : D9N53

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	21259	20.00	ng/ul	0.00
18) Naphthalene-d8	10.92	136	90451	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	62531	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.48	188	135252	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	173662	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	165076	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.47	96	1277	3.32	ng/uL	0.00
5) Phenol-d5	7.26	99	35545	18.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	23134	20.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	28716	21.06	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	31674	19.76	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	16017	22.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	19027	24.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.54	165	33625	21.16	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	35376	19.82	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	110800	21.91	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	130365	22.15	ng/ul	0.00
52) 4-Nitrophenol-d4	14.93	143	13835	15.25	ng/ul	0.00
58) Fluorene-d10	15.72	176	102090	22.25	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.85	200	12527	15.62	ng/ul	0.00
71) Anthracene-d10	17.58	188	148914	23.89	ng/ul	0.00
79) Pyrene-d10	19.85	212	179457	22.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.80	264	203163	24.67	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	7.29	94	14277	7.11	ng/ul	95
11) 2-Methylphenol	8.54	108	13522	8.83	ng/ul	92
16) 4-Methylphenol	8.87	108	36258	21.39	ng/ul	87
24) 2,4-Dimethylphenol	10.08	107	30242m	15.83	ng/ul	
28) Naphthalene	10.98	128	2581624	546.55	ng/ul#	86
34) 2-Methylnaphthalene	12.57	142	899692	249.36	ng/ul	98
35) 1-Methylnaphthalene	12.79	142	436071	125.72	ng/ul	98
41) 1,1'-Biphenyl	13.56	154	341462	72.38	ng/ul	97
45) Dimethylphthalate	14.17	163	54202	10.49	ng/ul	99
48) Acenaphthylene	14.45	152	89863	14.37	ng/ul#	94
50) Acenaphthene	14.81	153	1359315	323.15	ng/ul	94
54) Dibenzofuran	15.14	168	1355379	216.60	ng/ul	93
59) Fluorene	15.79	166	1311947	261.09	ng/ul#	98
70) Phenanthrene	17.54	178	3911085m	528.66	ng/ul	
72) Anthracene	17.62	178	473058	63.04	ng/ul	97
75) Carbazole	17.88	167	325416	51.61	ng/ul	100
77) Fluoranthene	19.54	202	2687255m	310.80	ng/ul	
80) Pyrene	19.89	202	2043593	194.43	ng/ul#	92
83) Benzo(a)anthracene	21.73	228	614117	60.61	ng/ul	97
85) Chrysene	21.80	228	496615	52.04	ng/ul	94
88) Benzo(b)fluoranthene	23.98	252	289232	29.11	ng/ul	97
89) Benzo(k)fluoranthene	24.04	252	93151m	9.77	ng/ul	
91) Benzo(a)pyrene	24.87	252	155210	16.48	ng/ul	99

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U.M 12/23/15

Quantitation Report (QT/LSC Reviewed)

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Acq On : 21 Dec 2015 1:53
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Sample : G4848-07
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 21 04:59:04 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 01:58:00 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
92) Indeno(1,2,3-cd)pyrene	28.74	276	38820	3.46 ng/ul	97
93) Dibenzo(a,h)anthracene	28.79	278	13235m	1.42 ng/ul	
94) Benzo(g,h,i)perylene	29.91	276	30043	3.27 ng/ul	94

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

Instrument :
BNA_G
ClientSampleId :
D9N53

Manual Integrations APPROVED
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12/22/2015 4:48:04 PM