Quantitation Report (QT Reviewed)

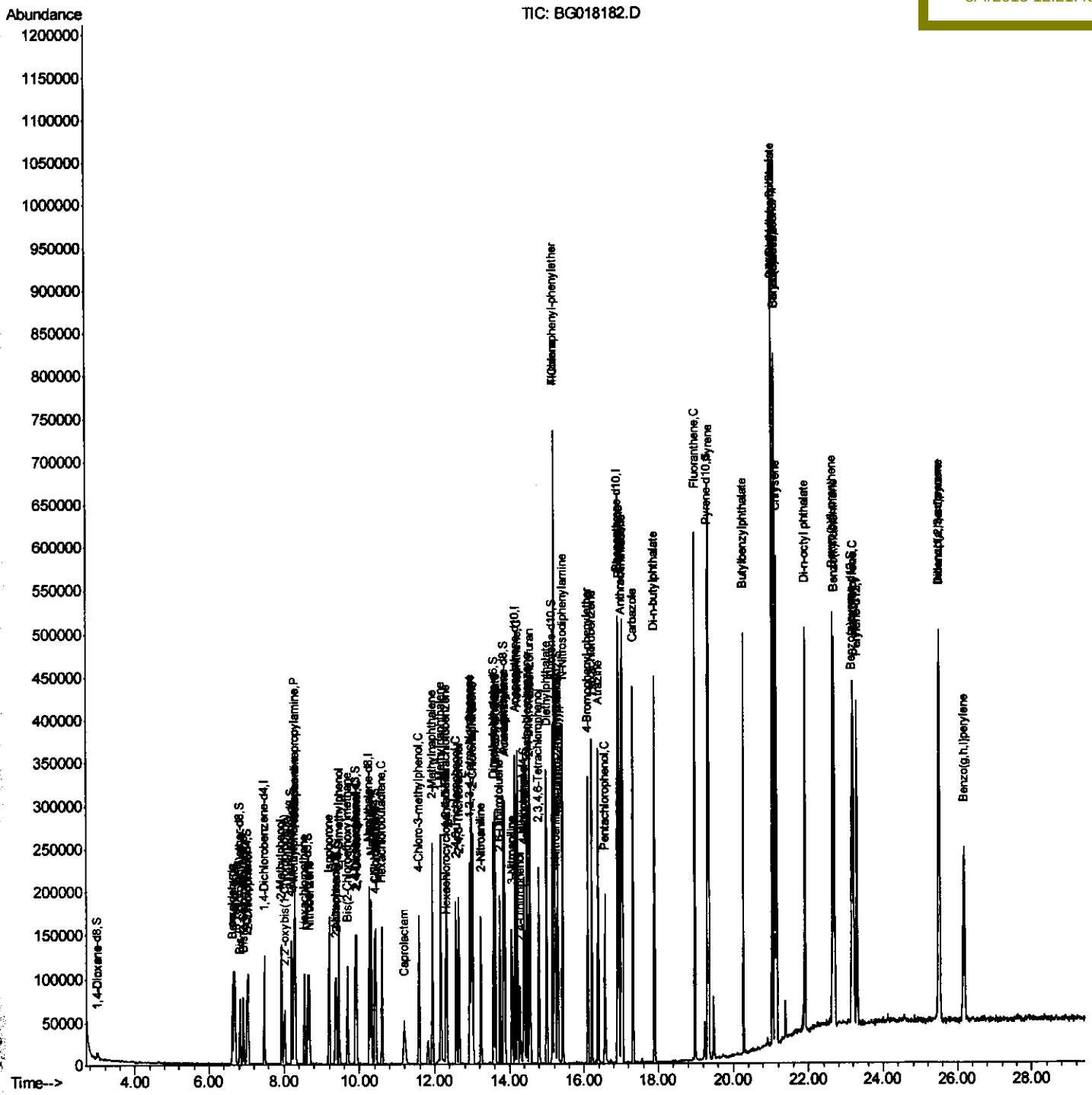
Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 16:01:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



Quantitation Report (Qedit)

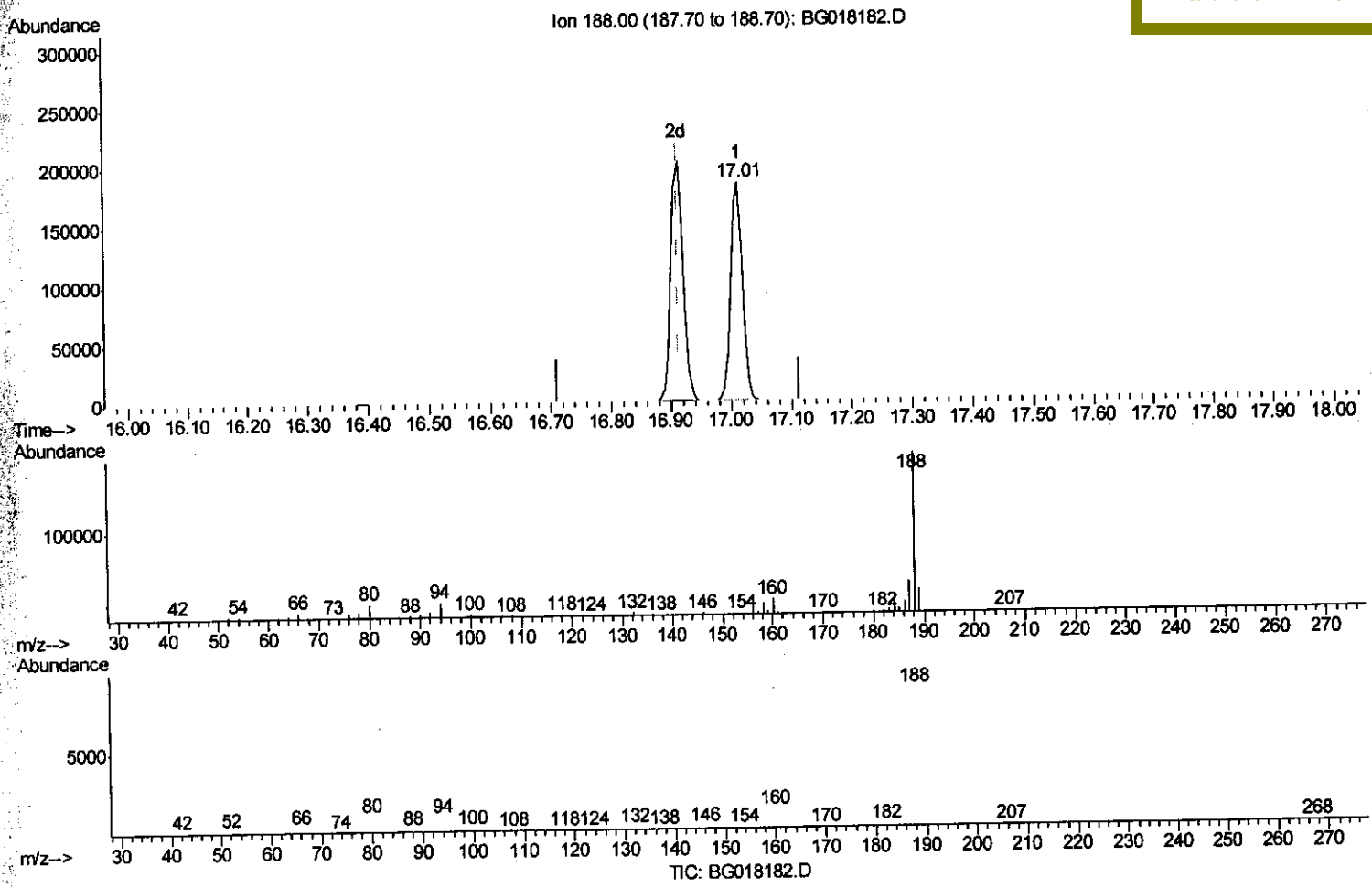
Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 15:50:48 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



(62) Phenanthrene-d10 (I)

17.012min (+0.100) 20.00ng/ul

response 249621

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	9.29
80.00	7.40	8.31
0.00	0.00	0.00

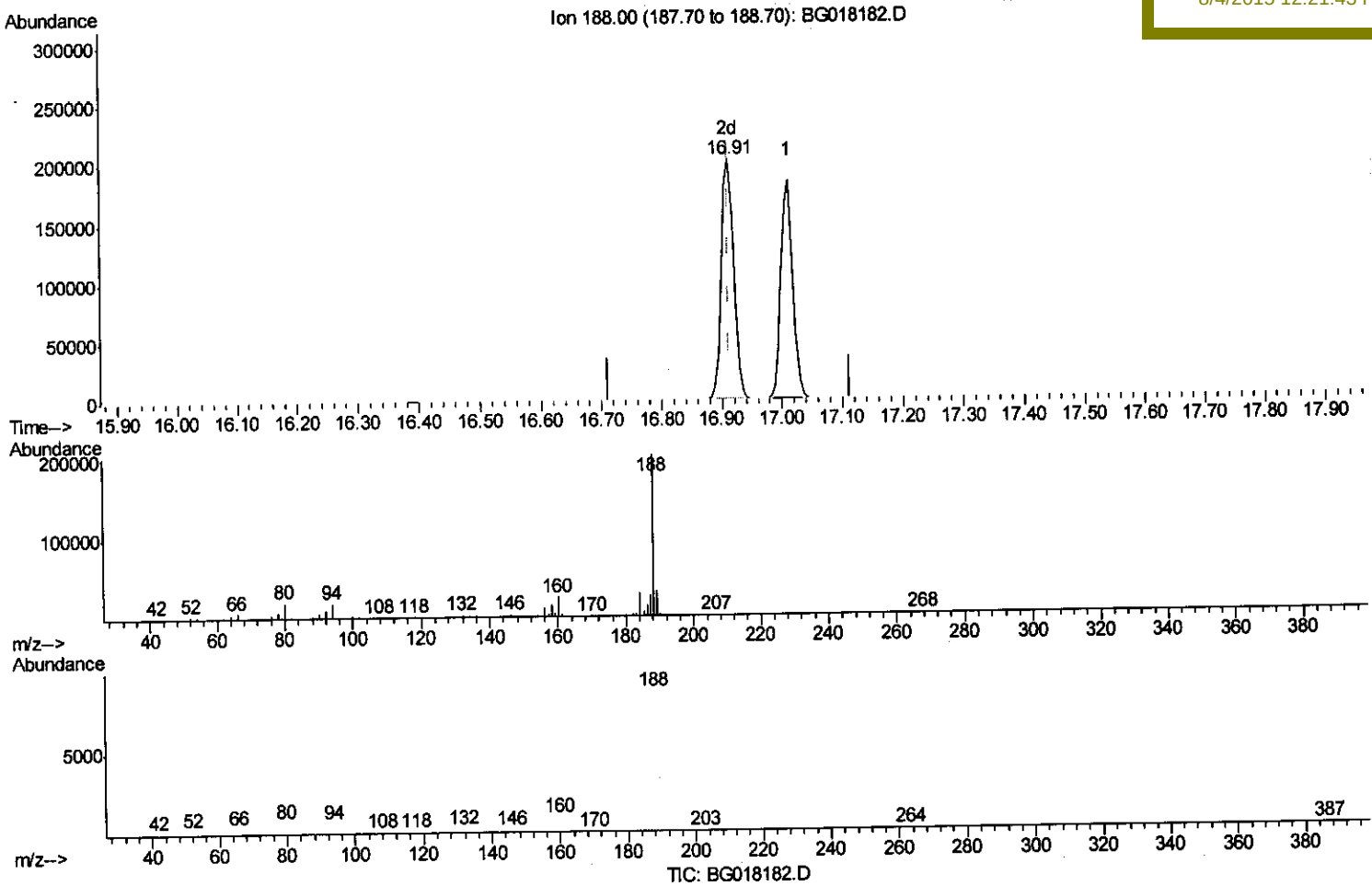
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 16:01:00 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



(62) Phenanthrene-d10 (I)

16.912min (0.000) 20.00ng/ul m

response 284946

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Ion	Exp%	Act%
188.00	100	100
94.00	7.90	9.09
80.00	7.40	9.71#
0.00	0.00	0.00

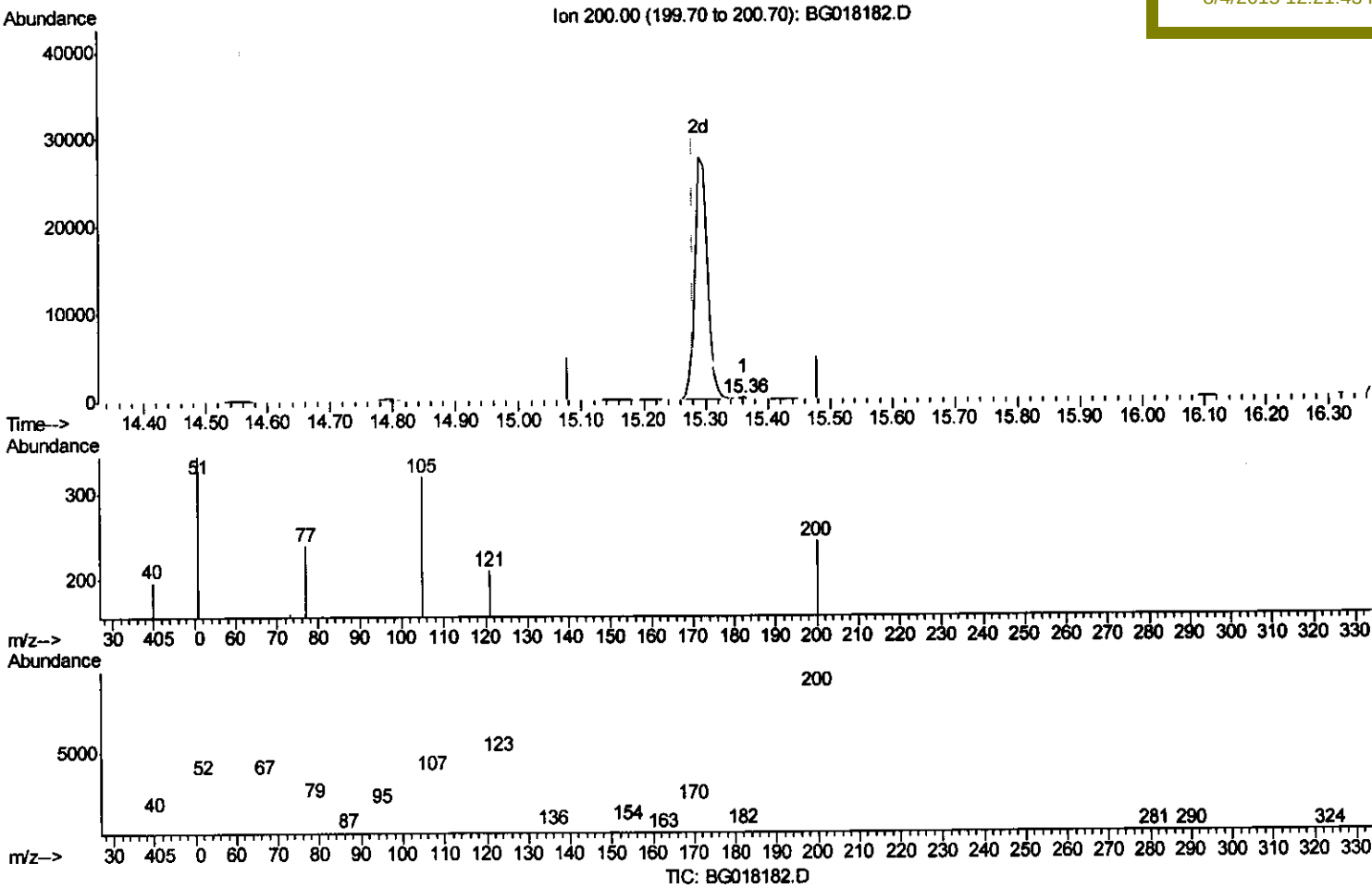
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 11 02:07:20 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 06 09:29:11 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.361min (+0.081) 0.09ng/ul

response 149

Ion	Exp%	Act%
200.00	100	100
170.00	13.30	0.00#
52.00	21.10	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

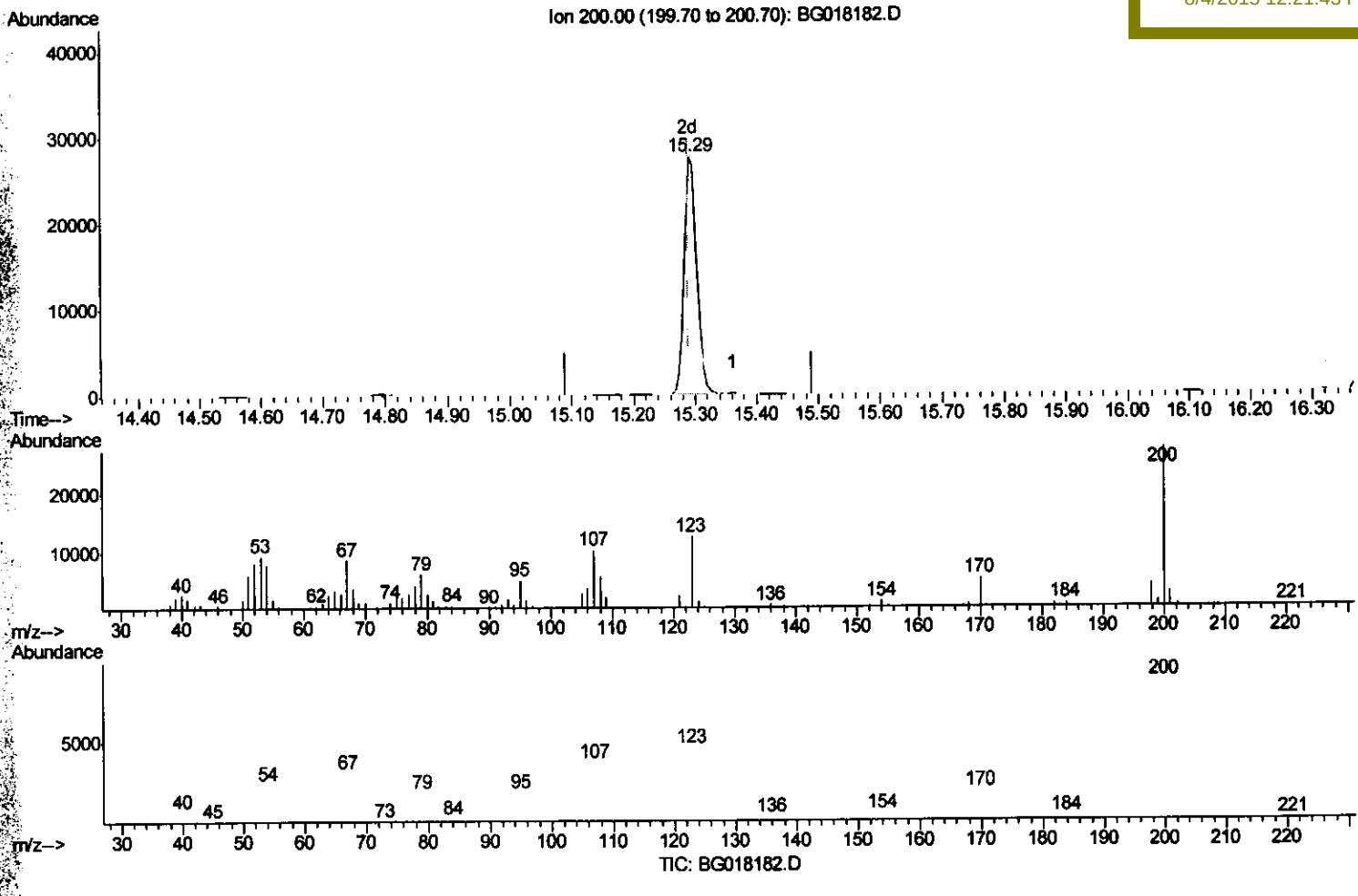
Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 15:58:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.290min (0.000) 19.02ng/ul m

response 38609

Ion	Exp%	Act%
200.00	100	100
170.00	13.30	18.56#
52.00	21.10	29.51#
0.00	0.00	0.00

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Quantitation Report (Qedit)

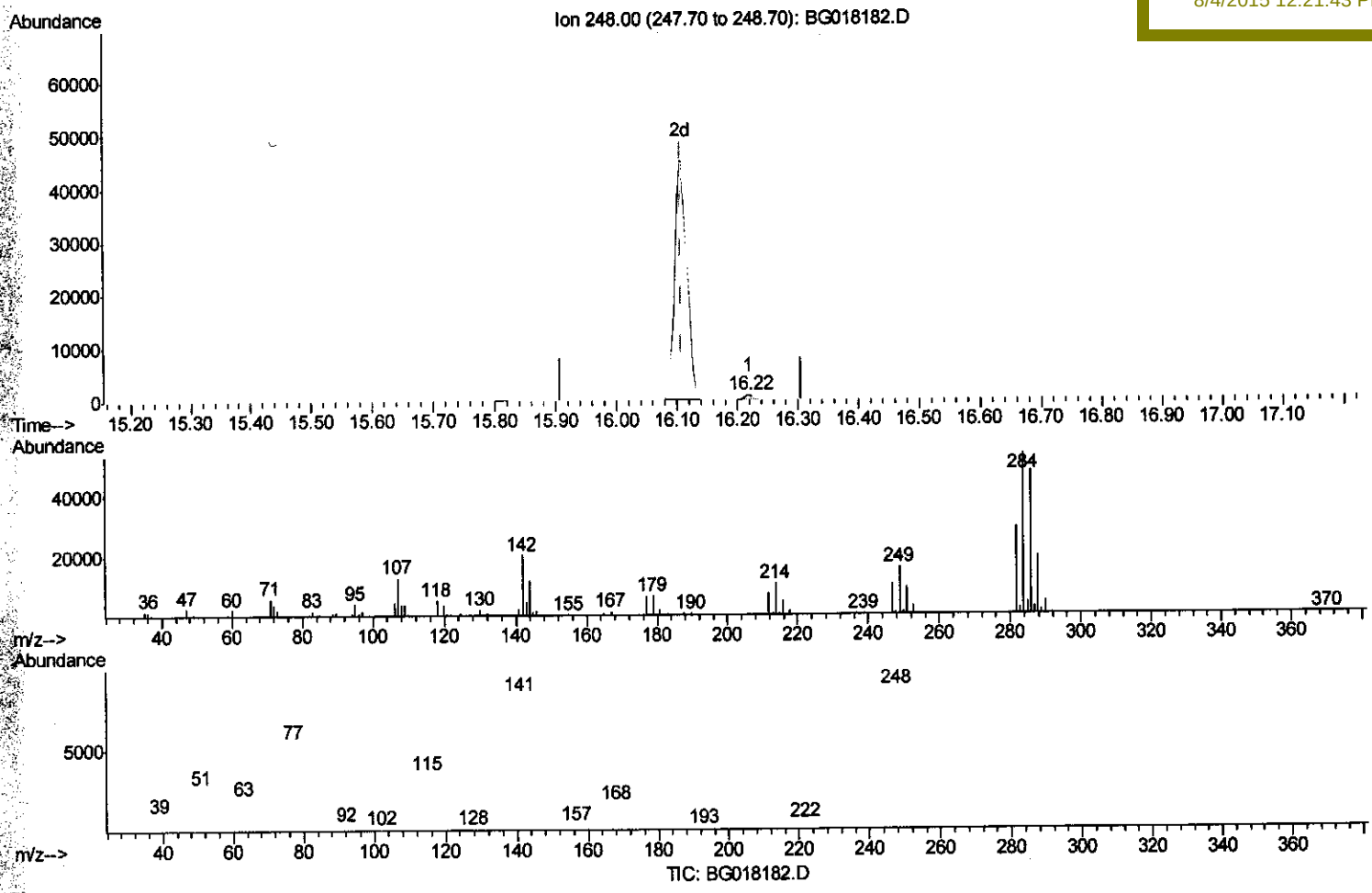
Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 15:58:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



(66) 4-Bromophenyl-phenylether

16.219min (+0.112) 0.30ng/ul

response 927

Ion	Exp%	Act%
248.00	100	100
250.00	98.70	133.67#
141.00	61.70	256.37#
0.00	0.00	0.00

Quantitation Report (Qedit)

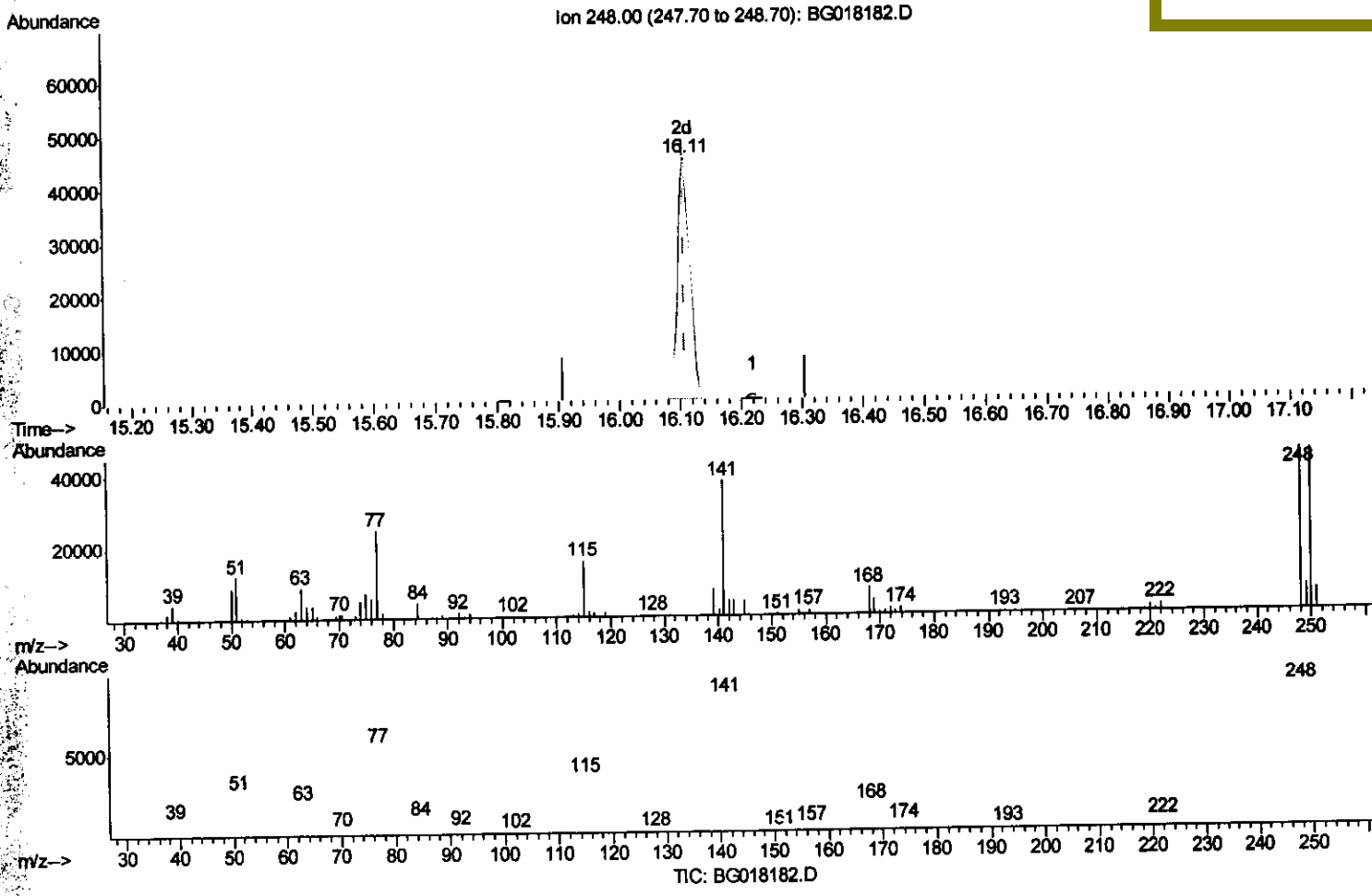
Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 15:58:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



(66) 4-Bromophenyl-phenylether

16.107min (0.000) 19.24ng/ul m

response 60174

Ion	Exp%	Act%
248.00	100	100
250.00	98.70	99.09
141.00	61.70	83.56#
0.00	0.00	0.00

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08/11/15

Quantitation Report (Qedit)

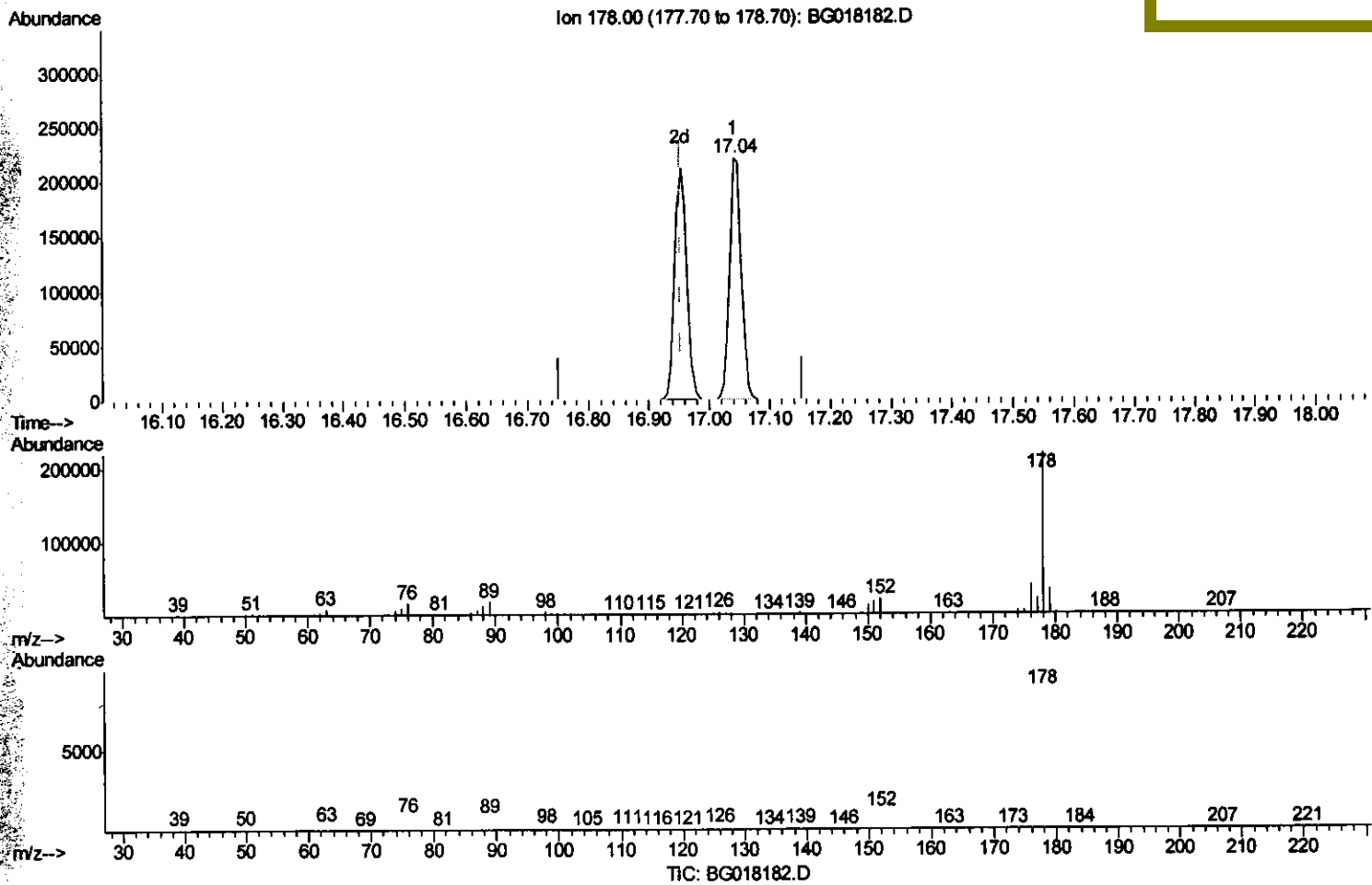
Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 15:58:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



(70) Phenanthrene

17.041min (+0.088) 18.73ng/ul

response 295705

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	15.19
176.00	20.00	17.99
0.00	0.00	0.00

Quantitation Report (Qedit)

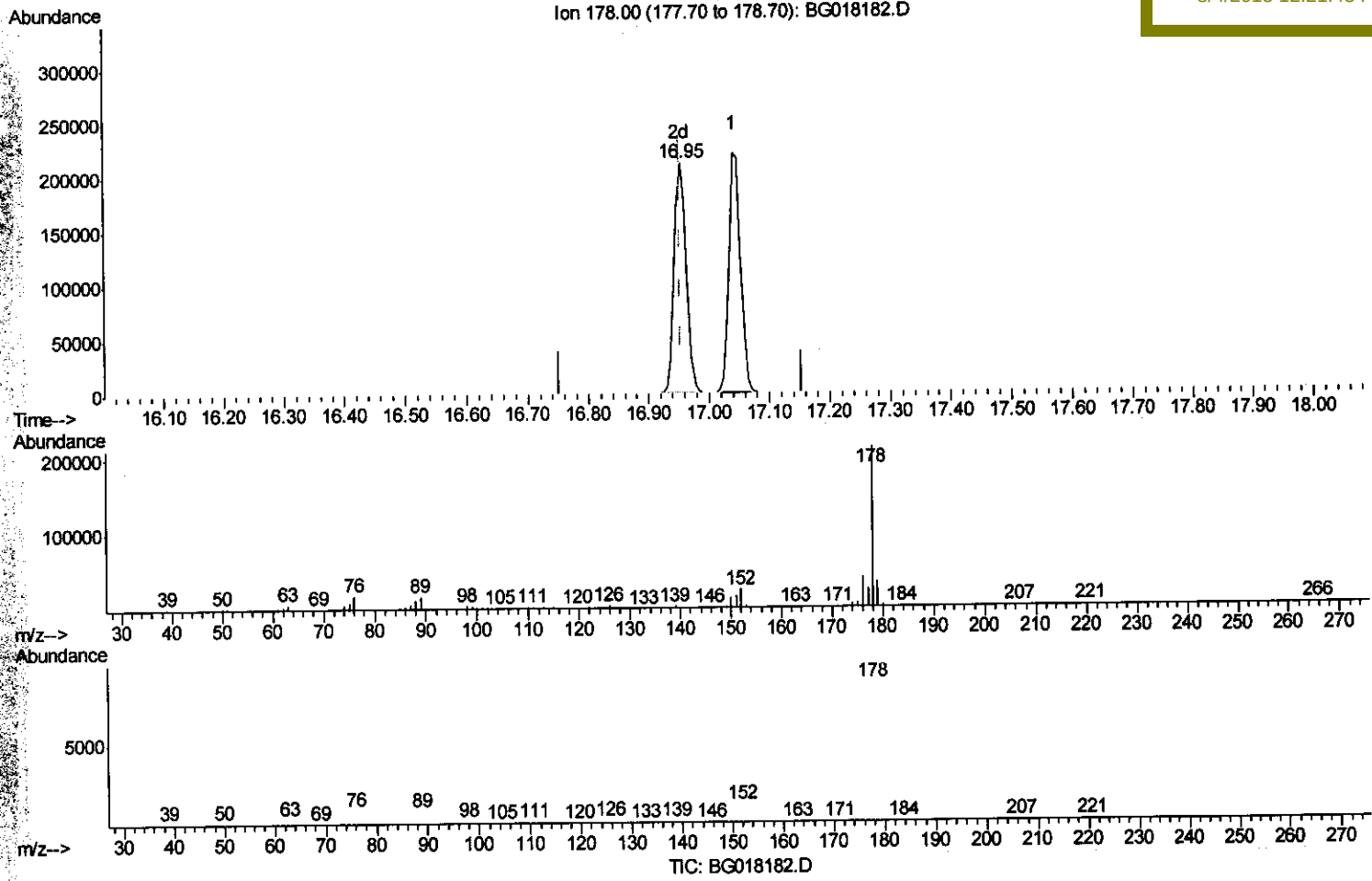
Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 15:58:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM



(70) Phenanthrene

16.953min (0.000) 18.41ng/ul m

response 290573

Ion	Exp%	Act%
178.00	100	100
179.00	16.00	16.02
176.00	20.00	18.25
0.00	0.00	0.00

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Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 15:58:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
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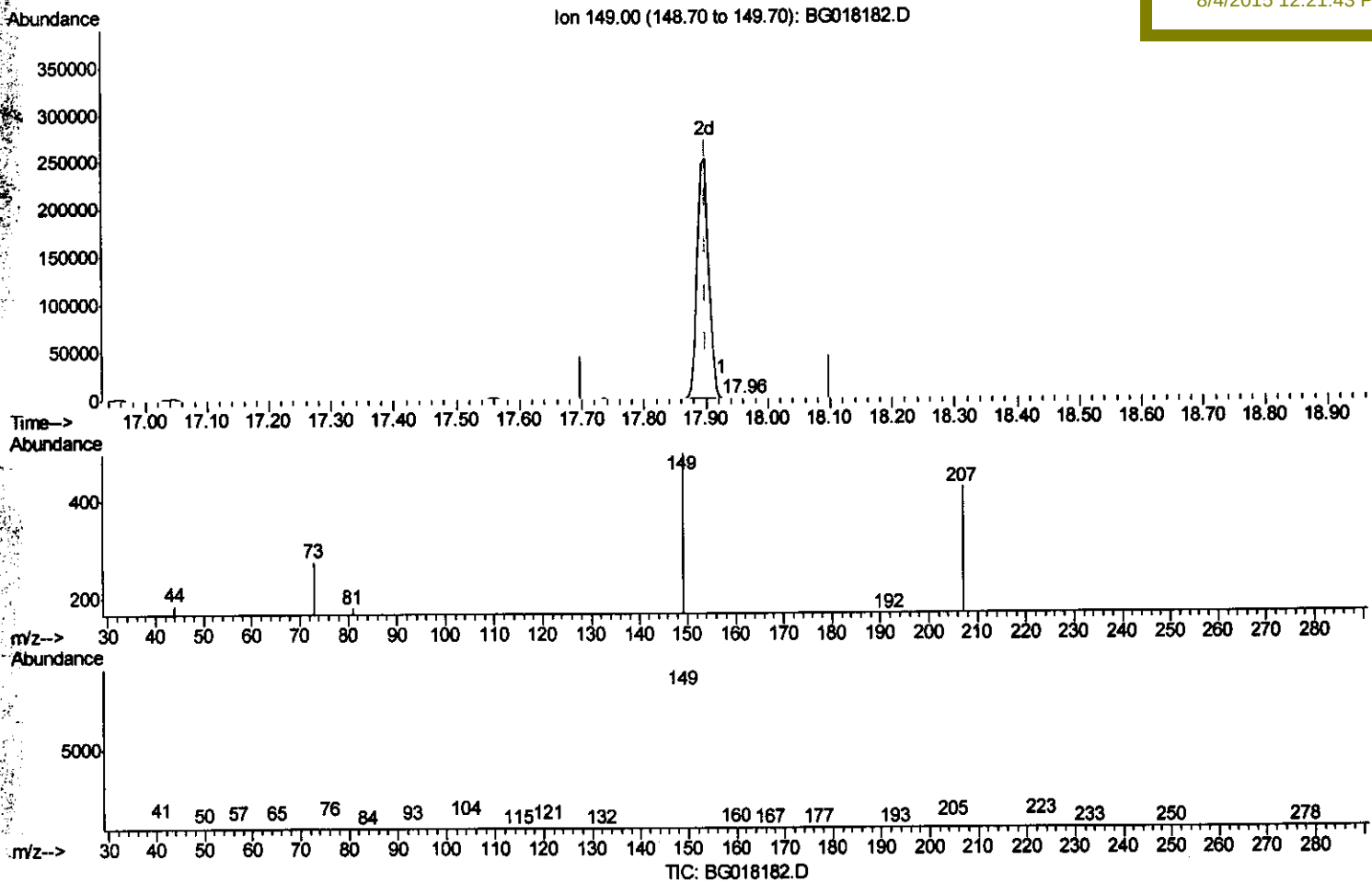

(76) Di-n-butylphthalate

17.958min (+0.059) 0.04ng/ul

response 697

Ion	Exp%	Act%
149.00	100	100
150.00	9.60	0.00#
104.00	4.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 15:58:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
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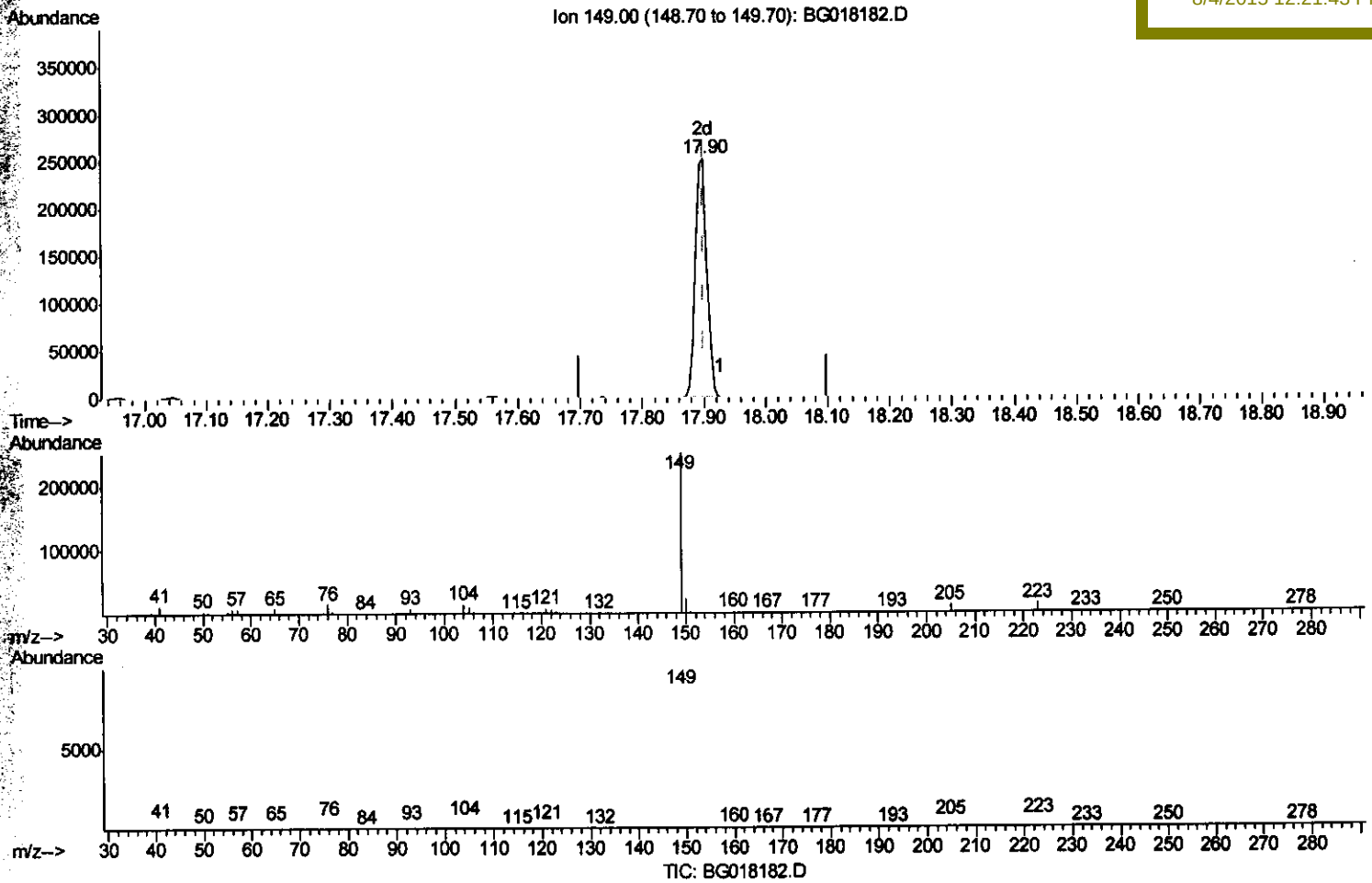

(76) Di-n-butylphthalate

17.899min (0.000) 18.41ng/ul m

response 322996

Ion	Exp%	Act%
149.00	100	100
150.00	9.60	9.13
104.00	4.50	5.86#
0.00	0.00	0.00

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Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 16:01:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : SSTD02048

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	31615	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	154597	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.16	164	114984	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.91	188	284946m	20.00	ng/ul	0.00
78) Chrysene-d12	21.12	240	282406	20.00	ng/ul	0.00
86) Perylene-d12	23.30	264	265988	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.98	96	3402	19.63	ng/uL	0.00
5) Phenol-d5	6.67	99	55509	19.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.82	67	29152	19.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.01	132	42614	19.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.20	113	46393	20.15	ng/ul	0.00
19) Nitrobenzene-d5	8.63	128	24996	20.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.36	143	26785	19.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.90	165	48921	20.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.41	131	64068	20.08	ng/ul	0.00
44) Dimethylphthalate-d6	13.57	166	177641	19.56	ng/ul	0.00
47) Acenaphthylene-d8	13.85	160	206428	19.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.39	143	32563	19.80	ng/ul	0.00
58) Fluorene-d10	15.16	176	157485	19.22	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.29	200	38609m	19.02	ng/ul	0.00
71) Anthracene-d10	17.01	188	249621	18.67	ng/ul	0.00
79) Pyrene-d10	19.32	212	279509	20.17	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.16	264	262652	19.46	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.00	88	4398	21.93	ng/uL#	84
4) Benzaldehyde	6.62	77	32798	19.61	ng/ul#	79
6) Phenol	6.70	94	55549	19.39	ng/ul#	84
8) Bis(2-Chloroethyl)ether	6.92	93	42364	20.00	ng/ul	93
10) 2-Chlorophenol	7.05	128	40955	19.89	ng/ul#	86
11) 2-Methylphenol	7.93	108	44206	19.47	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.02	45	37212	19.47	ng/ul#	92
14) Acetophenone	8.30	105	71834	19.35	ng/ul#	83
15) N-Nitroso-di-n-propylamine	8.29	70	41316	19.68	ng/ul#	90
16) 4-Methylphenol	8.27	108	50669	19.93	ng/ul	94
17) Hexachloroethane	8.55	117	18875	19.37	ng/ul	94
20) Nitrobenzene	8.67	77	58508	19.95	ng/ul#	82
21) Isophorone	9.20	82	121395	19.68	ng/ul#	89
23) 2-Nitrophenol	9.39	139	27921	19.54	ng/ul#	71
24) 2,4-Dimethylphenol	9.46	107	61464	19.94	ng/ul	87
25) Bis(2-Chloroethoxy)methane	9.69	93	60772	19.21	ng/ul#	91
27) 2,4-Dichlorophenol	9.92	162	46556	19.56	ng/ul#	93
28) Naphthalene	10.31	128	148657	19.49	ng/ul	98
30) 4-Chloroaniline	10.43	127	64824	19.96	ng/ul	97
31) Hexachlorobutadiene	10.60	225	32096	18.74	ng/ul	93
32) Caprolactam	11.18	113	24285	19.15	ng/ul#	78
33) 4-Chloro-3-methylphenol	11.58	107	60706	19.73	ng/ul#	83
34) 2-Methylnaphthalene	11.94	142	119351	19.76	ng/ul	99

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Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
LS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 16:01:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : SSTD02048

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	12.16	142	113837	19.71 ng/ul#	97
37) 1,2,4,5-Tetrachlorobenzene	12.32	216	63554	19.68 ng/ul	95
38) Hexachlorocyclopentadiene	12.29	237	25899	22.22 ng/ul	97
39) 2,4,6-Trichlorophenol	12.58	196	41676	19.70 ng/ul	88
40) 2,4,5-Trichlorophenol	12.65	196	47156	20.41 ng/ul	95
41) 1,1'-Biphenyl	12.98	154	161508	19.34 ng/ul#	96
42) 2-Chloronaphthalene	13.02	162	122484	19.69 ng/ul#	93
43) 2-Nitroaniline	13.23	65	41996	19.52 ng/ul#	64
45) Dimethylphthalate	13.62	163	175507	19.30 ng/ul	98
46) 2,6-Dinitrotoluene	13.75	165	39833	19.57 ng/ul#	82
48) Acenaphthylene	13.87	152	205175	19.63 ng/ul	98
49) 3-Nitroaniline	14.07	138	35502	20.32 ng/ul#	74
50) Acenaphthene	14.22	153	134126	19.90 ng/ul	97
51) 2,4-Dinitrophenol	14.29	184	20495	20.38 ng/ul#	68
53) 4-Nitrophenol	14.40	109	31882	19.13 ng/ul	82
54) Dibenzofuran	14.56	168	200814	19.58 ng/ul#	85
55) 2,4-Dinitrotoluene	14.54	165	58367	19.72 ng/ul#	72
56) 2,3,4,6-Tetrachlorophenol	14.80	232	44749	19.71 ng/ul#	90
57) Diethylphthalate	15.00	149	183794	19.48 ng/ul	99
59) Fluorene	15.21	166	173367	19.54 ng/ul	97
60) 4-Chlorophenyl-phenylether	15.21	204	90898	19.29 ng/ul	94
61) 4-Nitroaniline	15.24	138	41738	19.96 ng/ul#	52
64) 4,6-Dinitro-2-methylphenol	15.31	198	40875	18.34 ng/ul	96
65) N-Nitrosodiphenylamine	15.43	169	148926	19.00 ng/ul	99
66) 4-Bromophenyl-phenylether	16.11	248	60174m	19.24 ng/ul	
67) Hexachlorobenzene	16.22	284	71136	18.88 ng/ul	95
68) Atrazine	16.39	200	66489	18.53 ng/ul	98
69) Pentachlorophenol	16.57	266	36010	19.24 ng/ul	96
70) Phenanthrene	16.95	178	290573m	18.41 ng/ul	
72) Anthracene	17.04	178	295705	18.76 ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	12.94	216	63126	19.10 ng/uL	94
74) Pentachlorobenzene	14.48	250	72854	19.44 ng/uL	96
75) Carbazole	17.32	167	259006	18.55 ng/ul	98
76) Di-n-butylphthalate	17.90	149	322996m	18.41 ng/ul	
77) Fluoranthene	18.99	202	346145	18.16 ng/ul	99
80) Pyrene	19.35	202	350121	19.76 ng/ul	99
81) Butylbenzylphthalate	20.27	149	138757	19.92 ng/ul#	82
82) 3,3'-Dichlorobenzidine	21.05	252	119636	20.99 ng/ul#	97
83) Benzo(a)anthracene	21.11	228	304735	19.55 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.05	149	185309	19.74 ng/ul	96
85) Chrysene	21.16	228	277830	19.48 ng/ul	99
87) Di-n-octyl phthalate	21.91	149	290064	19.17 ng/ul	100
88) Benzo(b)fluoranthene	22.65	252	314903	19.70 ng/ul#	96
89) Benzo(k)fluoranthene	22.69	252	285783	19.00 ng/ul#	96
91) Benzo(a)pyrene	23.20	252	279439	19.43 ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.50	276	319121	19.59 ng/ul#	91
93) Dibenzo(a,h)anthracene	25.51	278	272037	19.58 ng/ul#	93
94) Benzo(g,h,i)perylene	26.17	276	262728	19.60 ng/ul#	92

UM 08/11/15

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG073115\
Data File : BG018182.D
Acq On : 31 Jul 2015 15:01
Operator : TP/UM
Sample : SSTD02048

Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 31 16:01:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG073115.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 31 15:50:19 2015
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD02048

Manual Integrations APPROVED
MMDadoda
8/4/2015 12:21:43 PM

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

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