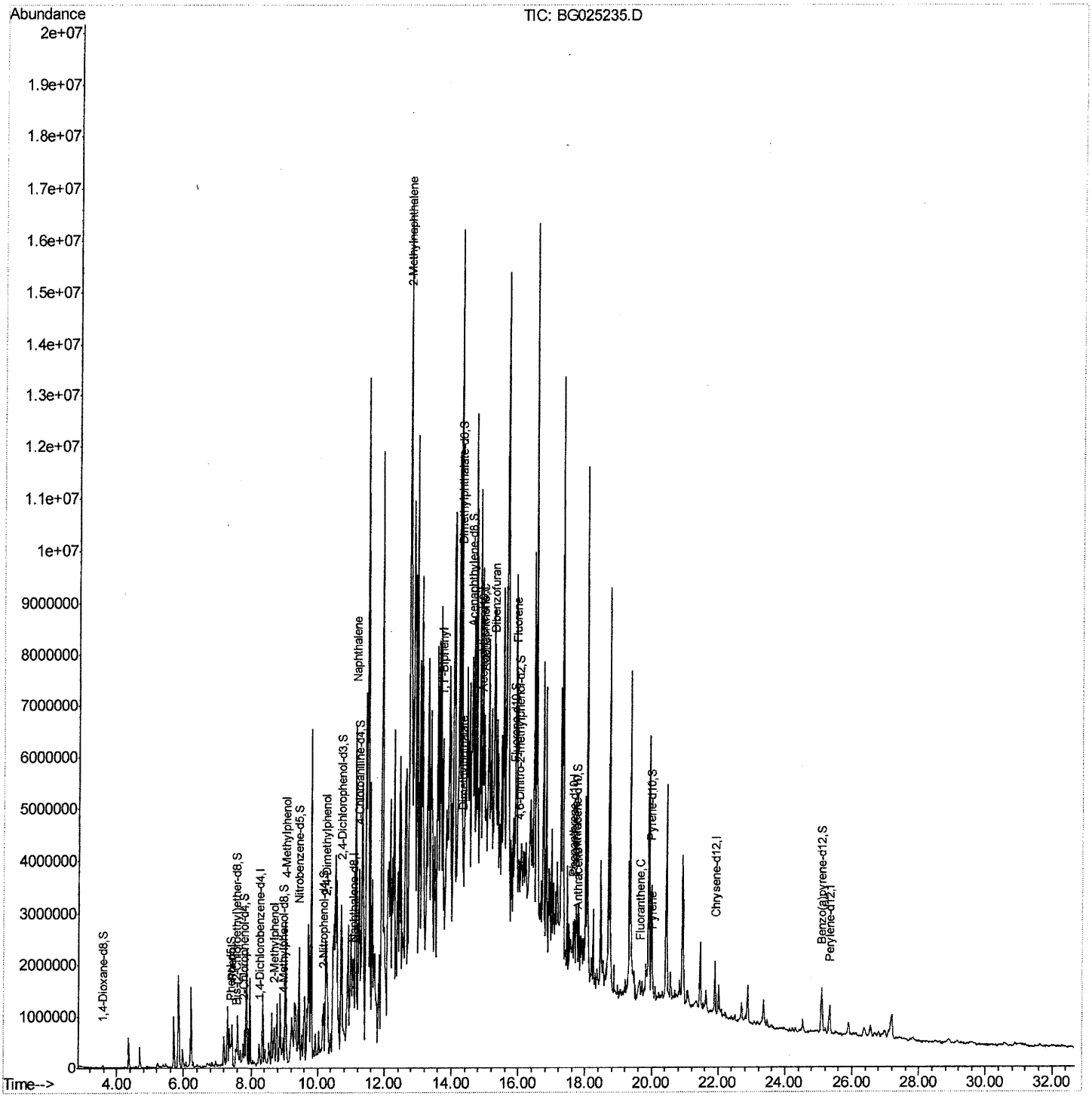
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025235.D
Acq On : 16 Dec 2016 6:25
Operator : UM/SJ
Sample : H5938-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 08:04:49 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA825

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:26 PM



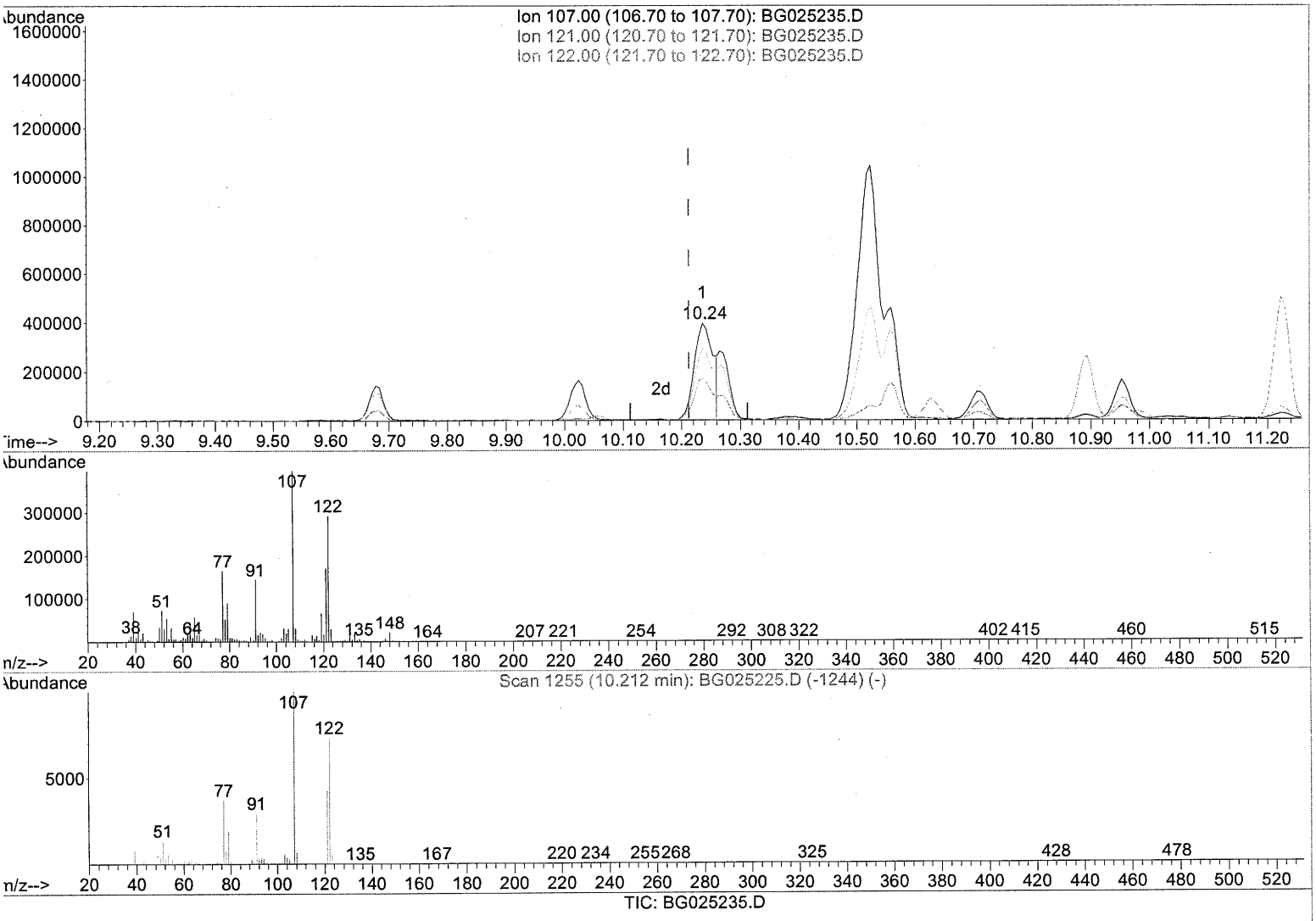
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025235.D
Acq On : 16 Dec 2016 6:25
Operator : UM/SJ
Sample : H5938-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 07:47:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA825

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:26 PM



TIC: BG025235.D

(24) 2,4-Dimethylphenol

10.236min (+0.024) 112.40ng/ul

response 877521

Ion	Exp%	Act%
107.00	100	100
121.00	40.40	43.04
122.00	76.50	73.64
0.00	0.00	0.00

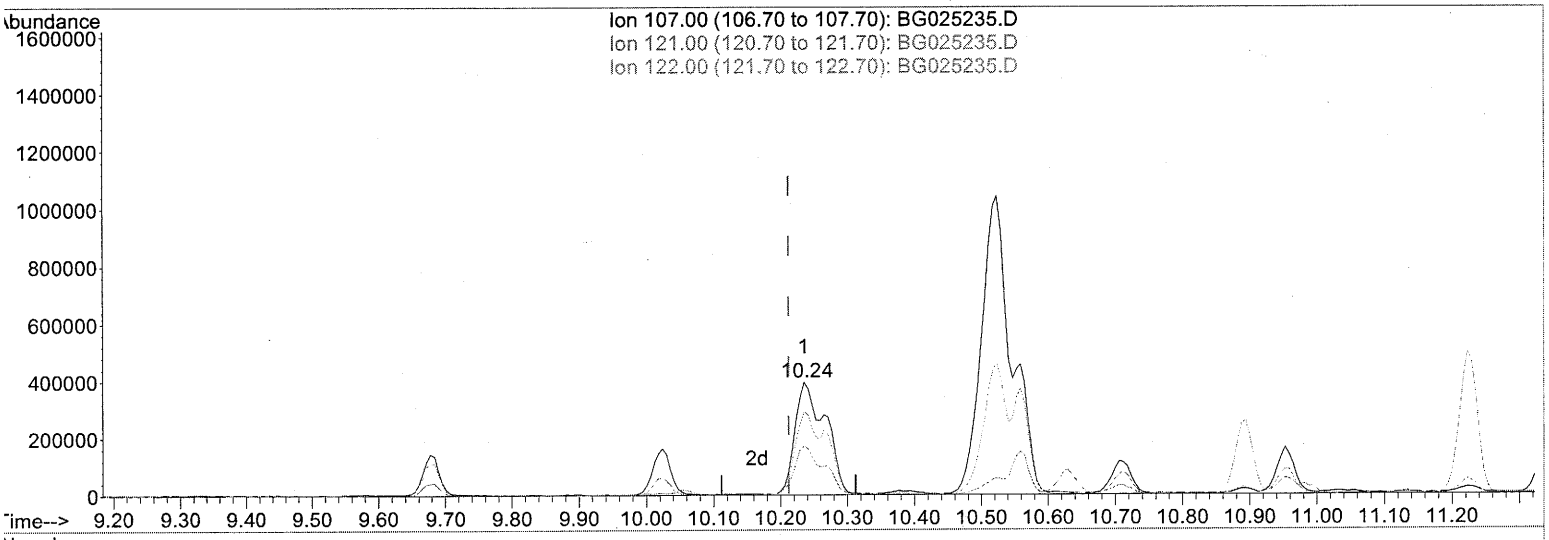
Quantitation Report (Qedit)

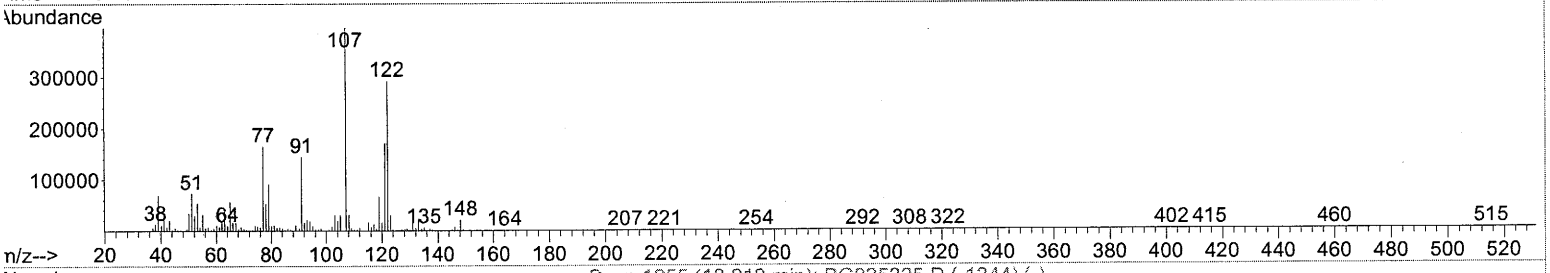
Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025235.D
Acq On : 16 Dec 2016 6:25
Operator : UM/SJ
Sample : H5938-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

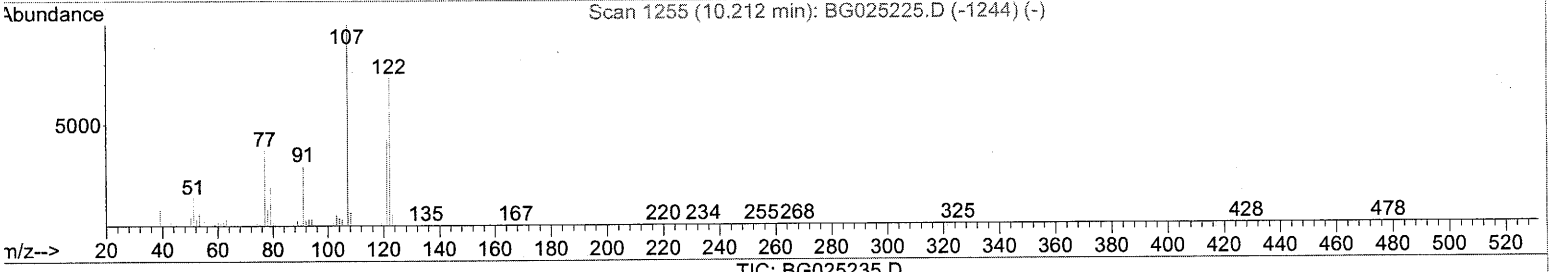
Quant Time: Dec 16 07:47:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA825

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:26 PM







TIC: BG025235.D

(24) 2,4-Dimethylphenol

10.236min (+0.024) 161.07ng/ul m

response 1257502

12/12/16

Ion	Exp%	Act%
107.00	100	100
121.00	40.40	43.04
122.00	76.50	73.64
0.00	0.00	0.00

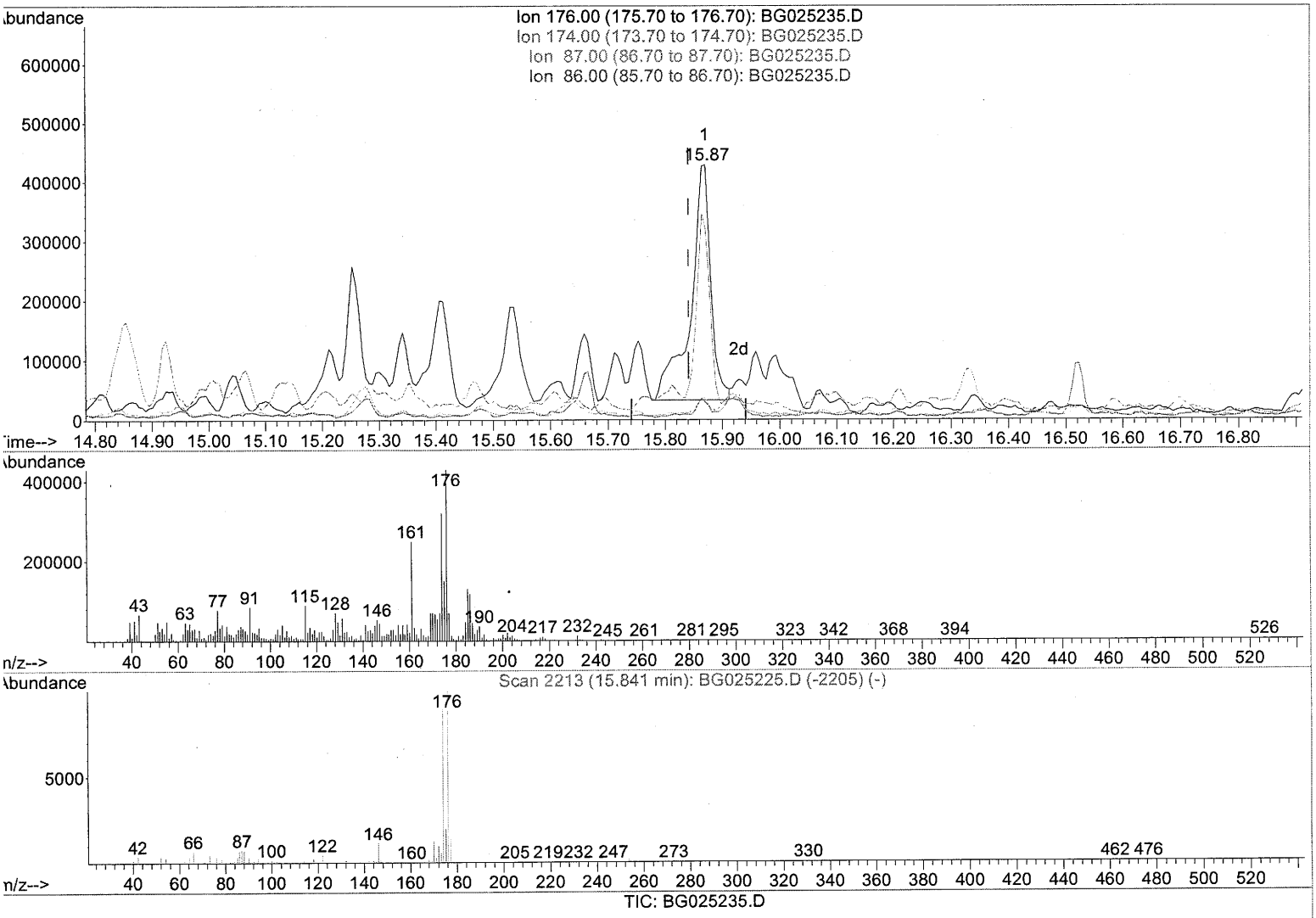
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025235.D
Acq On : 16 Dec 2016 6:25
Operator : UM/SJ
Sample : H5938-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 07:47:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA825

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:26 PM



TIC: BG025235.D

(57) Fluorene-d10 (S)

15.870min (+0.029) 47.19ng/ul

response 967590

Ion	Exp%	Act%
176.00	100	100
174.00	92.80	74.51
87.00	9.40	8.58
86.00	8.20	6.77

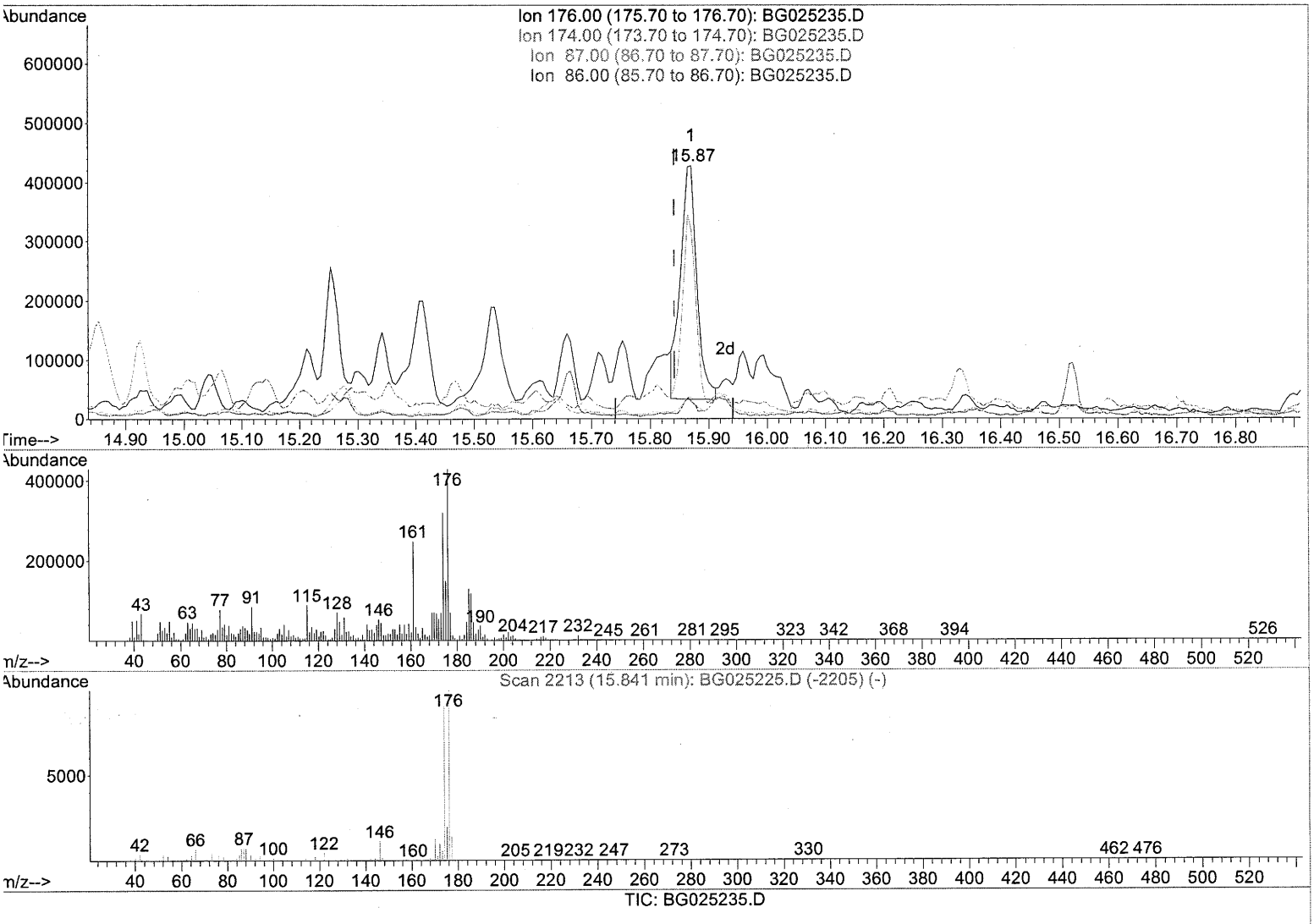
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025235.D
Acq On : 16 Dec 2016 6:25
Operator : UM/SJ
Sample : H5938-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 07:47:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA825

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:26 PM



TIC: BG025235.D

(57) Fluorene-d10 (S)

15.870min (+0.029) 37.92ng/ul m

response 777550

12/16/16

Ion	Exp%	Act%
176.00	100	100
174.00	92.80	74.51
87.00	9.40	8.58
86.00	8.20	6.77

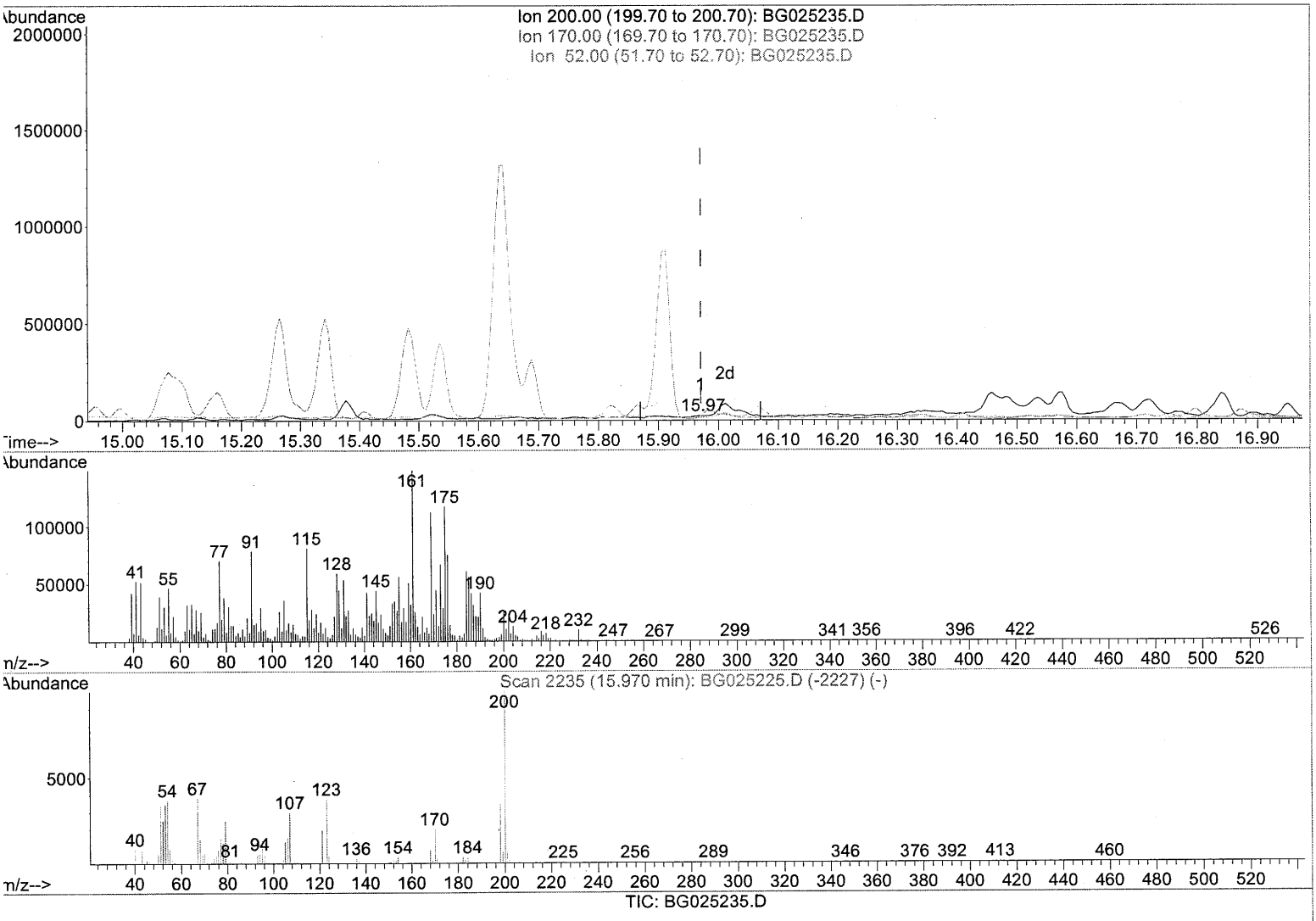
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025235.D
Acq On : 16 Dec 2016 6:25
Operator : UM/SJ
Sample : H5938-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 07:47:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA825

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:26 PM



TIC: BG025235.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.970min (+0.000) 4.07ng/ul

response 13494

Ion	Exp%	Act%
200.00	100	100
170.00	23.20	93.62#
52.00	47.20	45.28
0.00	0.00	0.00

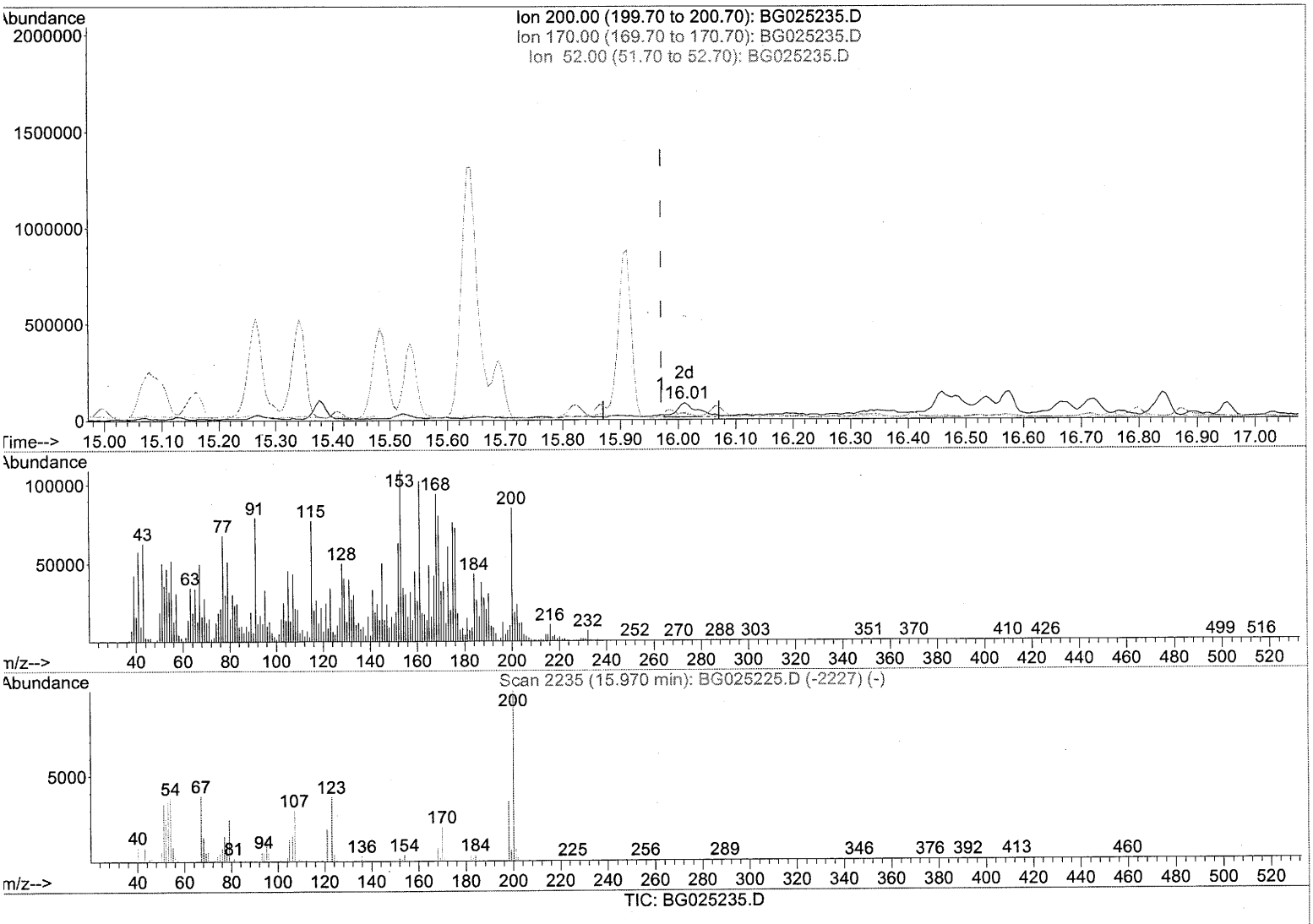
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\Data\BG121516\
Data File : BG025235.D
Acq On : 16 Dec 2016 6:25
Operator : UM/SJ
Sample : H5938-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 07:47:23 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DA825

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:26 PM



TIC: BG025235.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.011min (+0.041) 55.07ng/ul m

response 182724

12/16/16

Ion	Exp%	Act%
200.00	100	100
170.00	23.20	37.90#
52.00	47.20	42.15
0.00	0.00	0.00

Quantitation Report (LSC Reviewed)

Instrument :
BNA_G
ClientSampleId :
DA825

Manual Integrations APPROVED
UMANGI
12/16/2016 6:21:26 PM

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121516\
Data File : BG025235.D
Acq On : 16 Dec 2016 6:25
Operator : UM/SJ
Sample : H5938-03
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Dec 16 08:04:49 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG113016.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 16 05:54:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	88781	20.00	ng/ul	0.00
18) Naphthalene-d8	11.08	136	381226	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.88	164	316725	20.00	ng/ul	0.03
61) Phenanthrene-d10	17.62	188	536627	20.00	ng/ul	0.02
75) Chrysene-d12	21.90	240	650158	20.00	ng/ul	0.00
83) Perylene-d12	25.32	264	633585	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.57	96	20538	11.95	ng/uL	-0.02
5) Phenol-d5	7.40	99	233169	30.44	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.55	67	155775	32.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.77	132	160918	30.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.95	113	202212	31.59	ng/ul	0.02
19) Nitrobenzene-d5	9.42	128	102920	38.12	ng/ul	0.01
22) 2-Nitrophenol-d4	10.15	143	103472	30.75	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.70	165	204606	31.61	ng/ul	0.02
29) 4-Chloroaniline-d4	11.22	131	488102	76.73	ng/ul	0.02
43) Dimethylphthalate-d6	14.28	166	645196	29.61	ng/ul	0.04
46) Acenaphthylene-d8	14.58	160	793932	33.27	ng/ul	0.03
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.87	176	777550m	37.92	ng/ul	0.03
62) 4,6-Dinitro-2-methylphenol	16.01	200	182724m	55.07	ng/ul	0.04
70) Anthracene-d10	17.72	188	774439	34.19	ng/ul	0.02
76) Pyrene-d10	19.98	212	886838	33.12	ng/ul	0.01
87) Benzo(a)pyrene-d12	25.09	264	914882	35.64	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	7.43	94	144178	18.34	ng/ul#	86
11) 2-Methylphenol	8.68	108	217183	37.52	ng/ul	91
16) 4-Methylphenol	9.03	108	806088	125.18	ng/ul	91
24) 2,4-Dimethylphenol	10.24	107	1257502m	161.07	ng/ul	
28) Naphthalene	11.13	128	4152515	234.32	ng/ul#	87
34) 2-Methylnaphthalene	12.74	142	6085497	435.15	ng/ul	84
40) 1,1'-Biphenyl	13.71	154	1800017	93.74	ng/ul	93
44) Dimethylphthalate	14.33	163	400870	18.72	ng/ul#	96
49) Acenaphthene	14.95	153	469484	29.54	ng/ul#	86
53) Dibenzofuran	15.28	168	1240402	49.34	ng/ul	96
58) Fluorene	15.93	166	1279096	62.50	ng/ul#	94
69) Phenanthrene	17.66	178	644576	25.17	ng/ul#	94
71) Anthracene	17.75	178	166814	6.34	ng/ul#	85
74) Fluoranthene	19.65	202	116914	3.84	ng/ul	100
77) Pyrene	20.01	202	126561	4.05	ng/ul#	95

UM 12/16/16

UM 12/16/16

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