Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

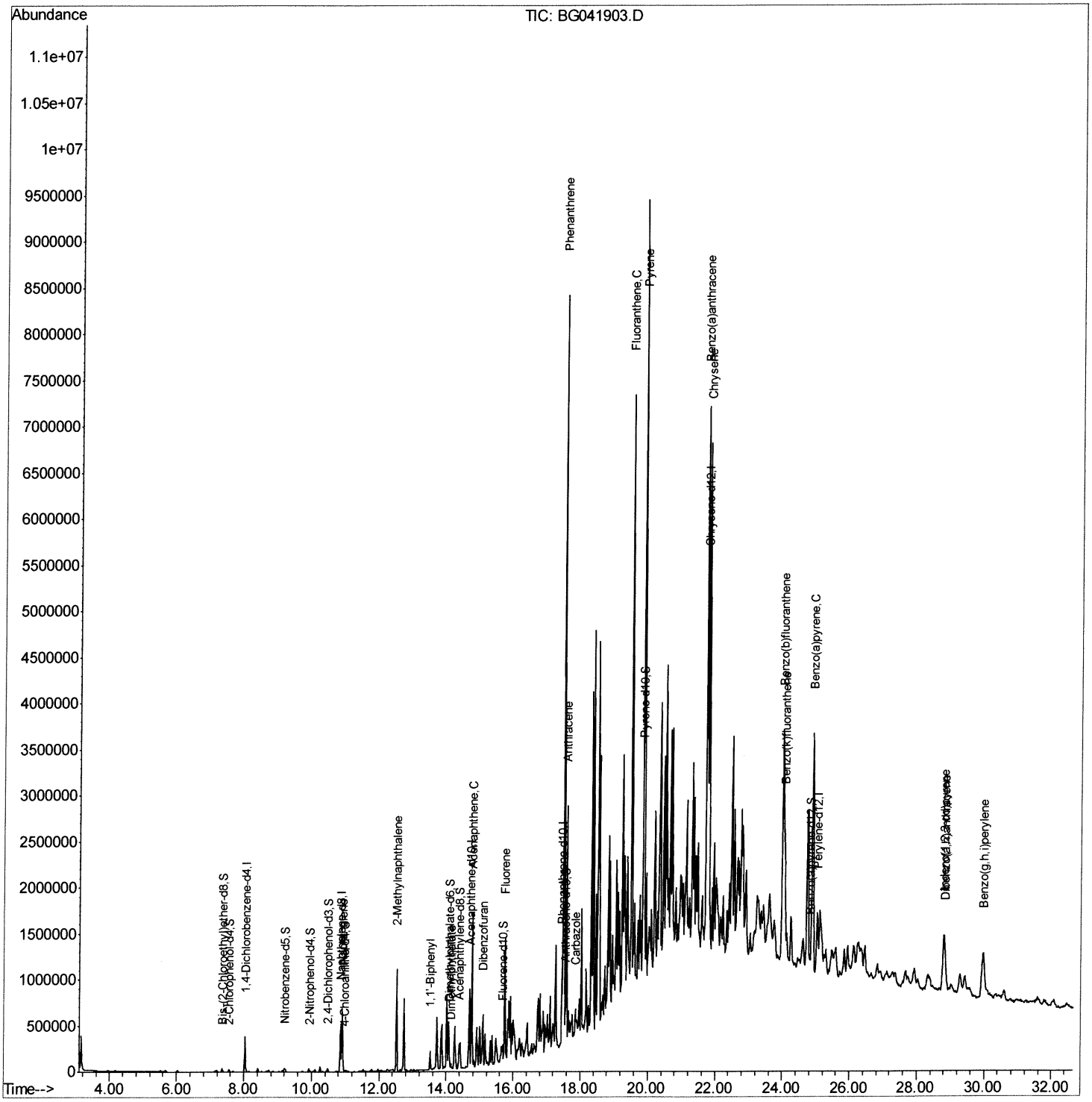
Quantitation Report (QT Reviewed)

Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 00:47:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
mohammad
8/6/2019 12:17:45 PM



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

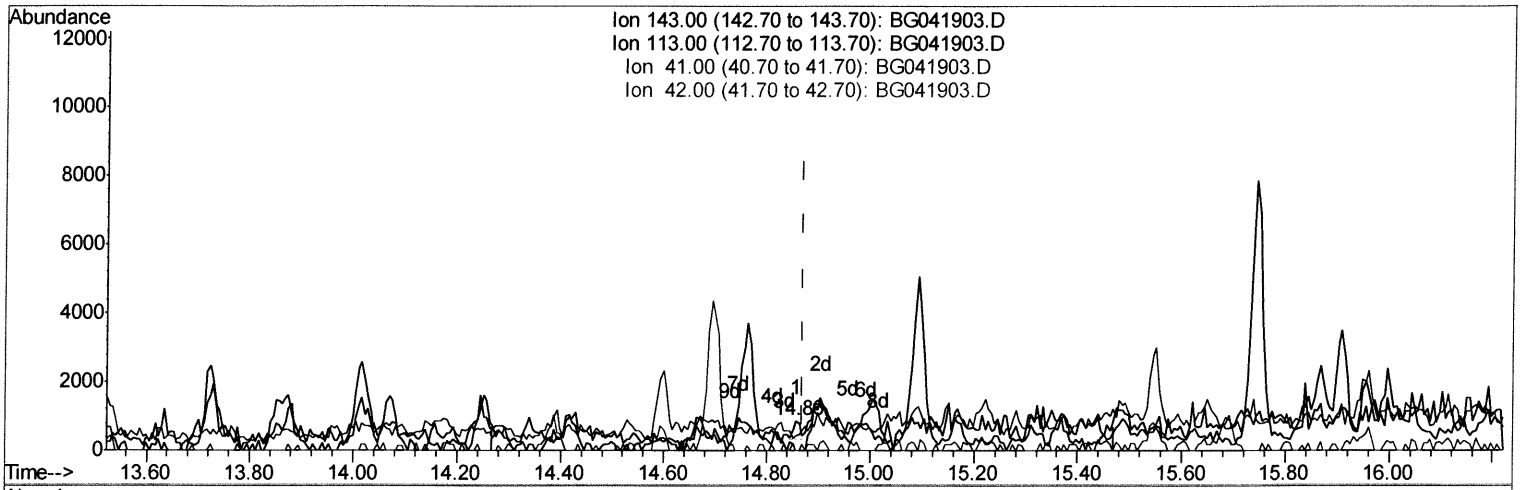
Quantitation Report (Qedit)

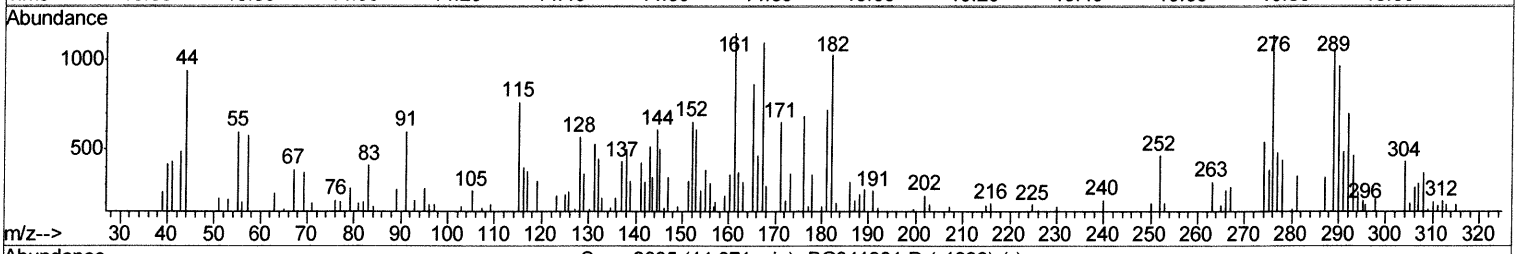
Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

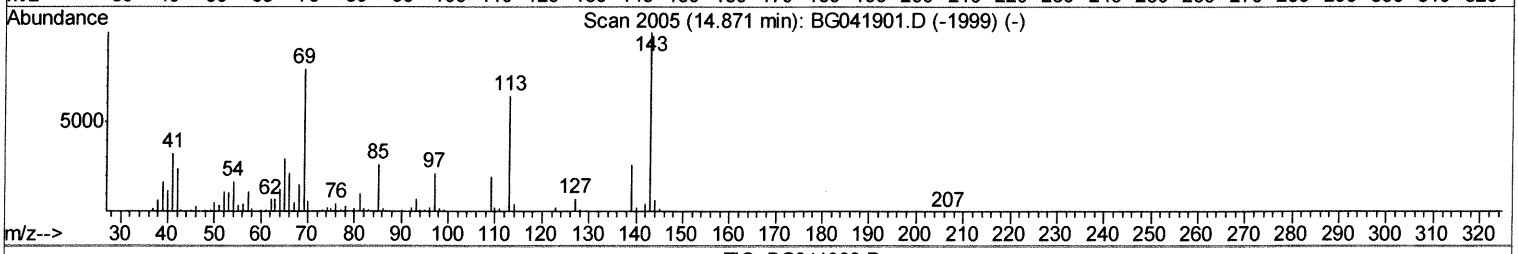
Quant Time: Aug 04 00:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
mohammad
8/6/2019 12:17:45 PM







TIC: BG041903.D

(51) 4-Nitrophenol-d4 (S)

14.857min (-0.014) 0.11ng/ul

response 473

Ion	Exp%	Act%
143.00	100	100
113.00	68.30	0.00#
41.00	31.00	50.58#
42.00	21.10	0.00#

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

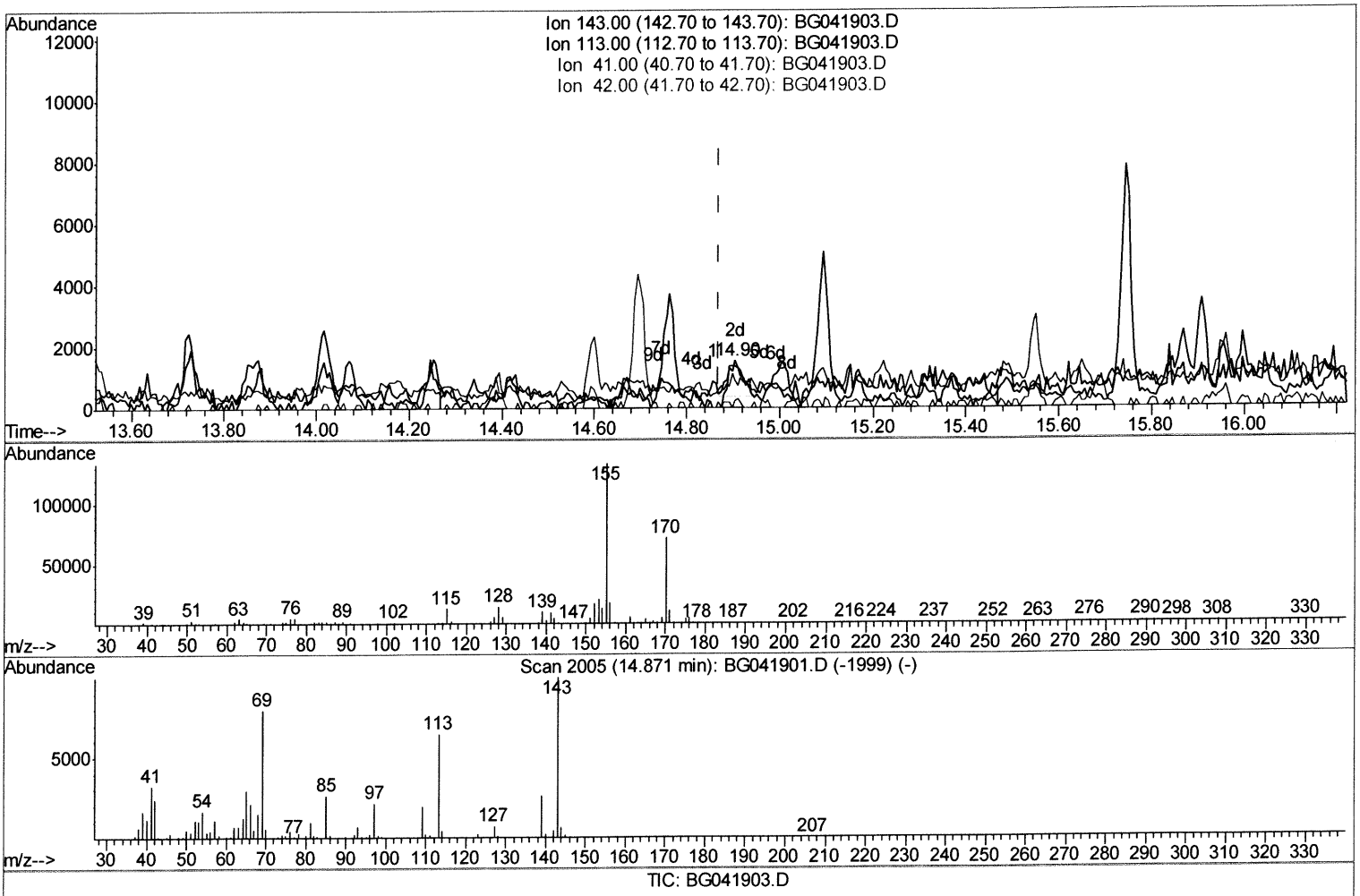
Quantitation Report (Qedit)

Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 00:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
mohammad
8/6/2019 12:17:45 PM



TIC: BG041903.D

(51) 4-Nitrophenol-d4 (S)

14.904min (+0.033) 0.67ng/ul m JU 08/05/19

response 2780

Ion	Exp%	Act%
143.00	100	100
113.00	68.30	88.77#
41.00	31.00	59.11#
42.00	21.10	13.06#

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

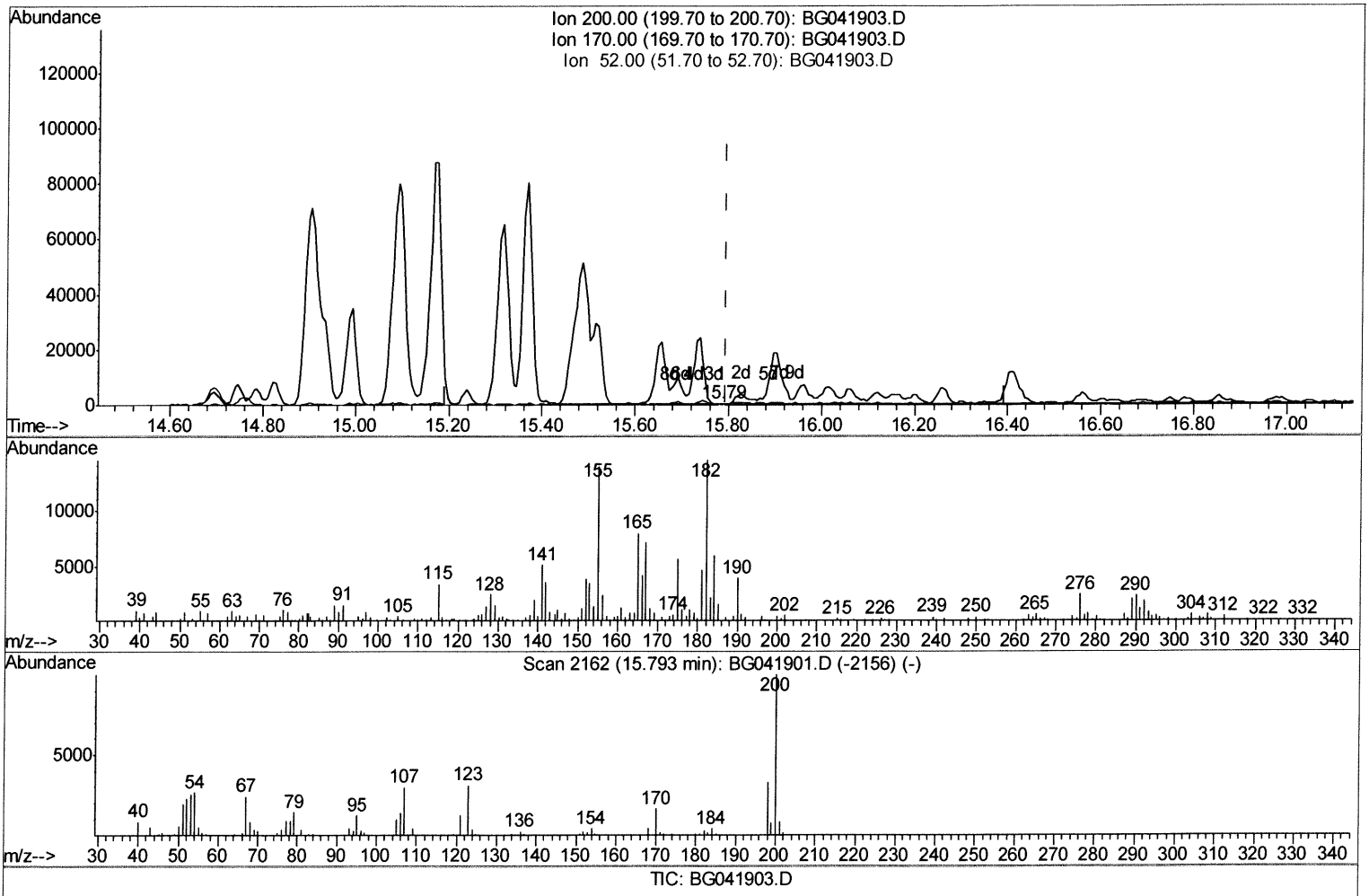
Quantitation Report (Qedit)

Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 00:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
mohammad
8/6/2019 12:17:45 PM



TIC: BG041903.D

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

15.785min (-0.008) 0.05ng/ul

response 198

Ion	Exp%	Act%
200.00	100	100
170.00	15.80	0.00#
52.00	31.40	39.15#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

Quantitation Report (Qedit)

Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 00:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
mohammad
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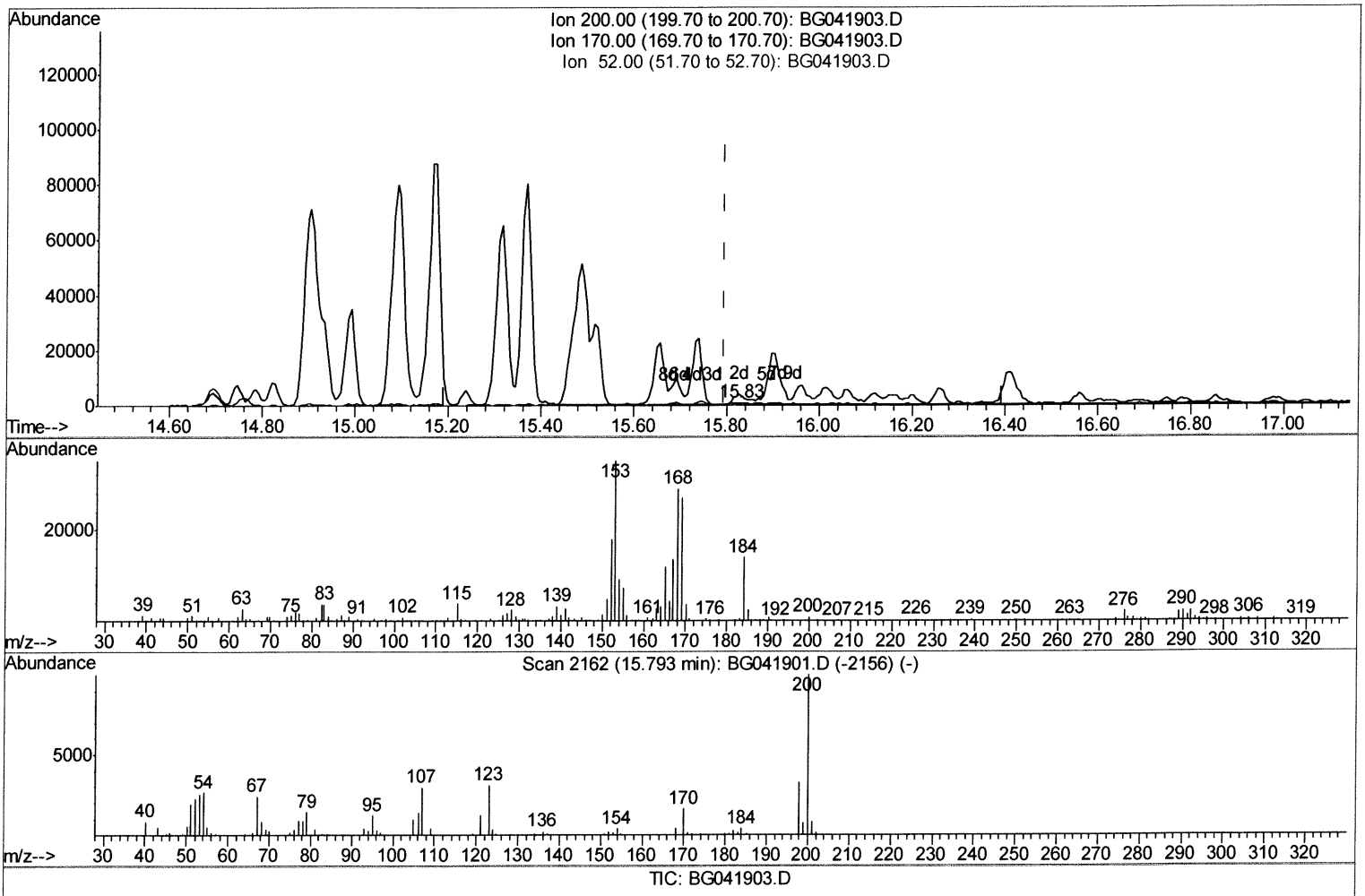


TIC: BG041903.D

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

15.826min (+0.033) 0.29ng/ul m JU 08/05/19

response 1167

Ion	Exp%	Act%
200.00	100	100
170.00	15.80	399.37#
52.00	31.40	50.99#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

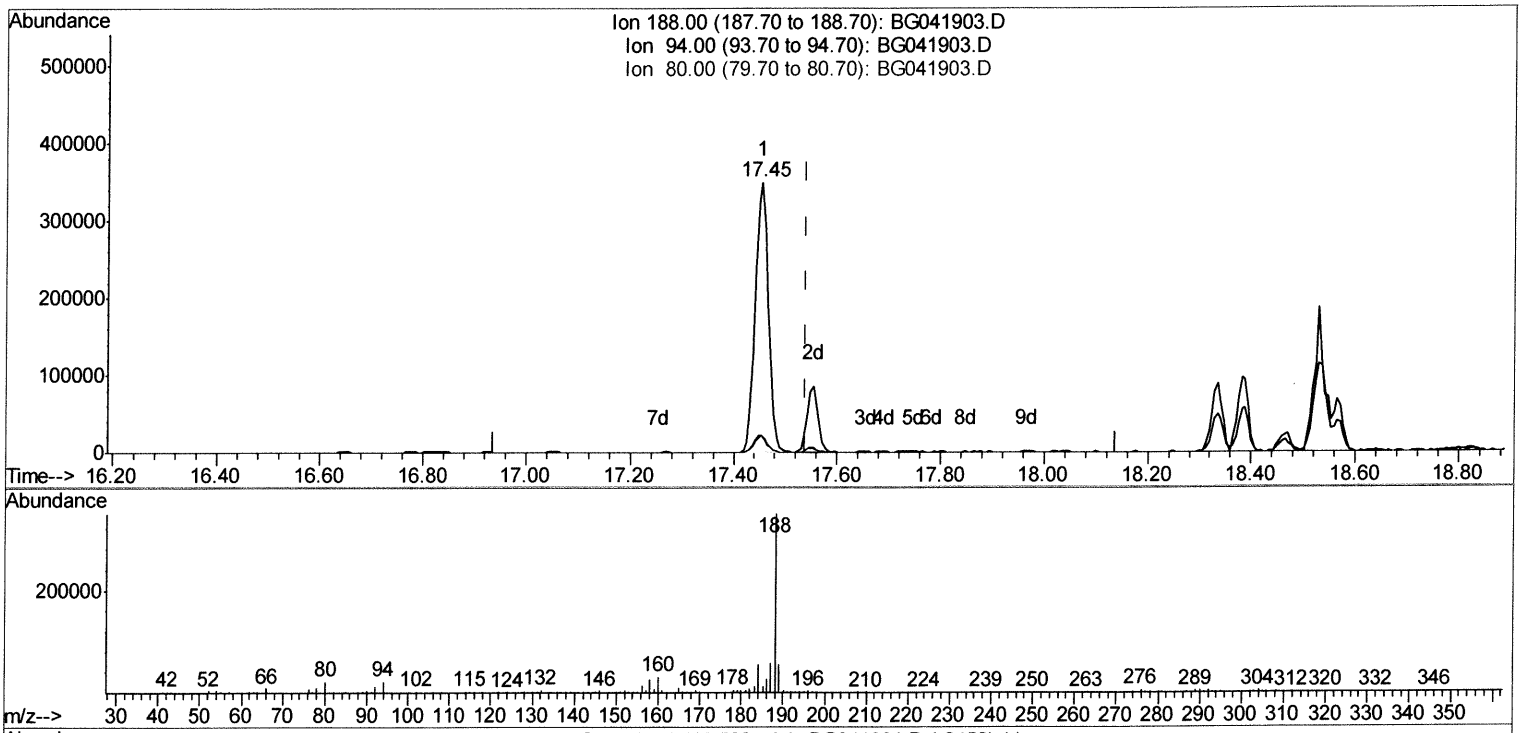
Quantitation Report (Qedit)

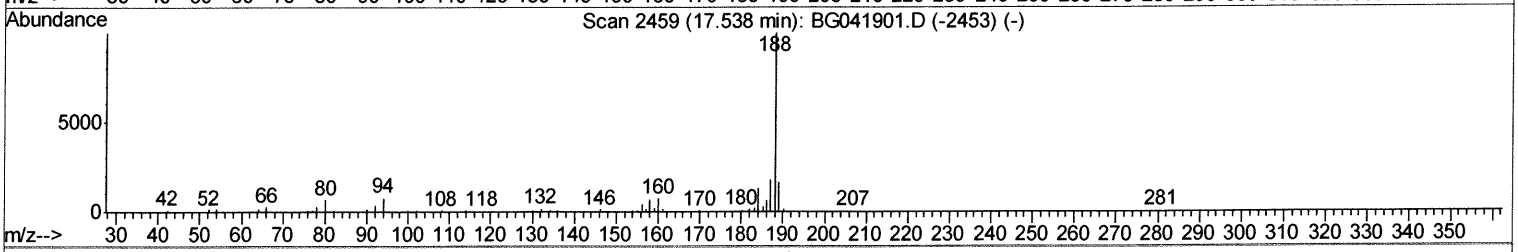
Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 00:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
mohammad
8/6/2019 12:17:45 PM





TIC: BG041903.D

(70) Anthracene-d10 (S)

17.454min (-0.084) 20.84ng/ul

response 620753

Ion	Exp%	Act%
188.00	100	100
94.00	7.20	6.32
80.00	7.00	6.34
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

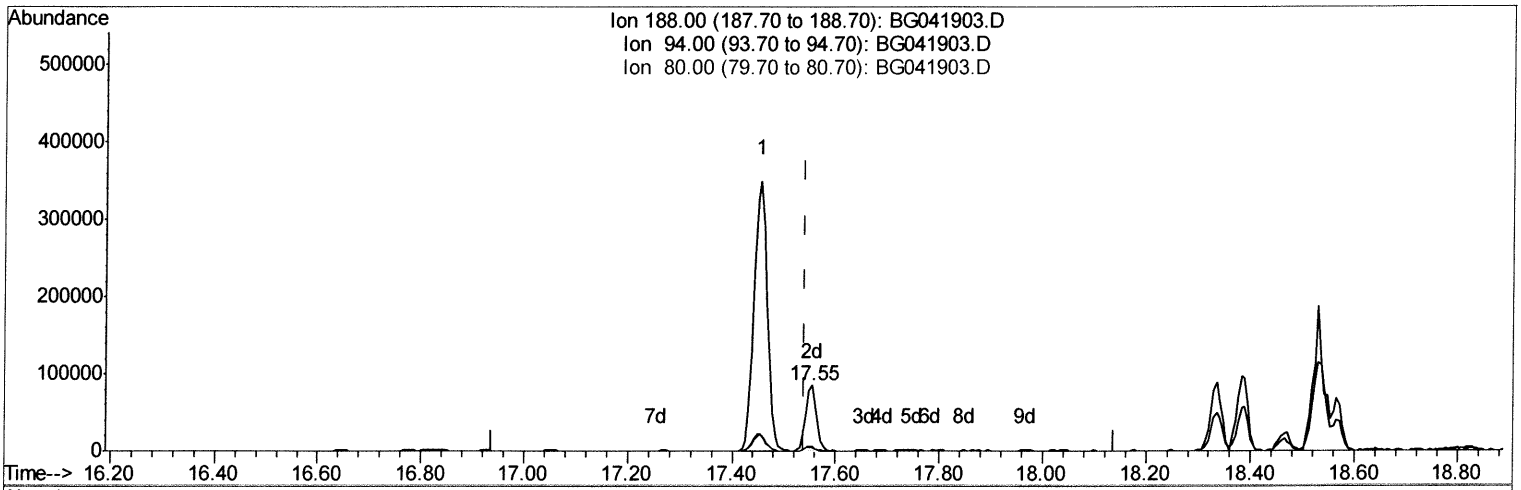
Quantitation Report (Qedit)

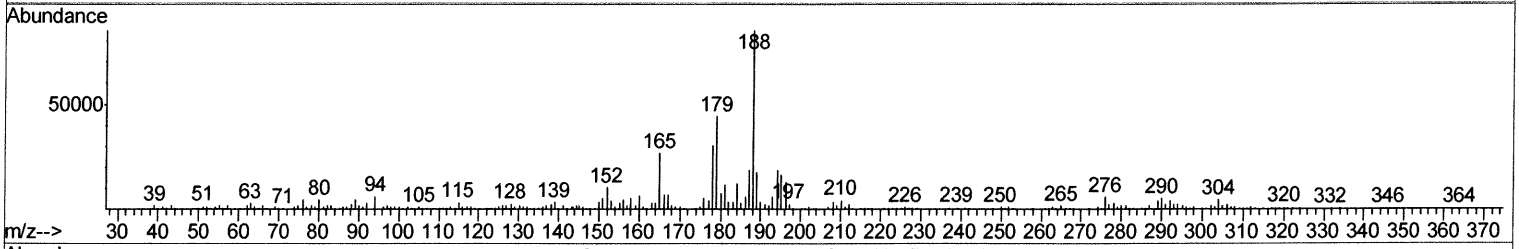
Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

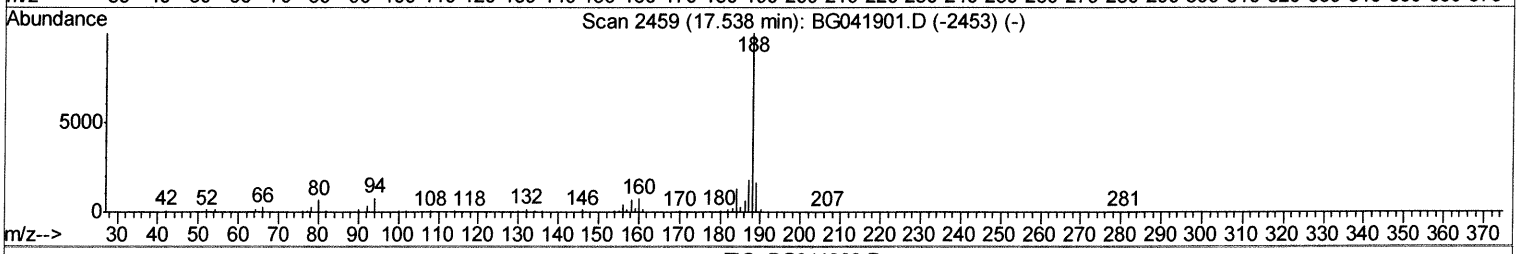
Quant Time: Aug 04 00:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
mohammad
8/6/2019 12:17:45 PM







TIC: BG041903.D

(70) Anthracene-d10 (S)

17.554min (+0.016) 4.20ng/ul m JU 08/05/19

response 124997

Ion	Exp%	Act%
188.00	100	100
94.00	7.20	7.12
80.00	7.00	5.51#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

Quantitation Report (Qedit)

Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 00:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
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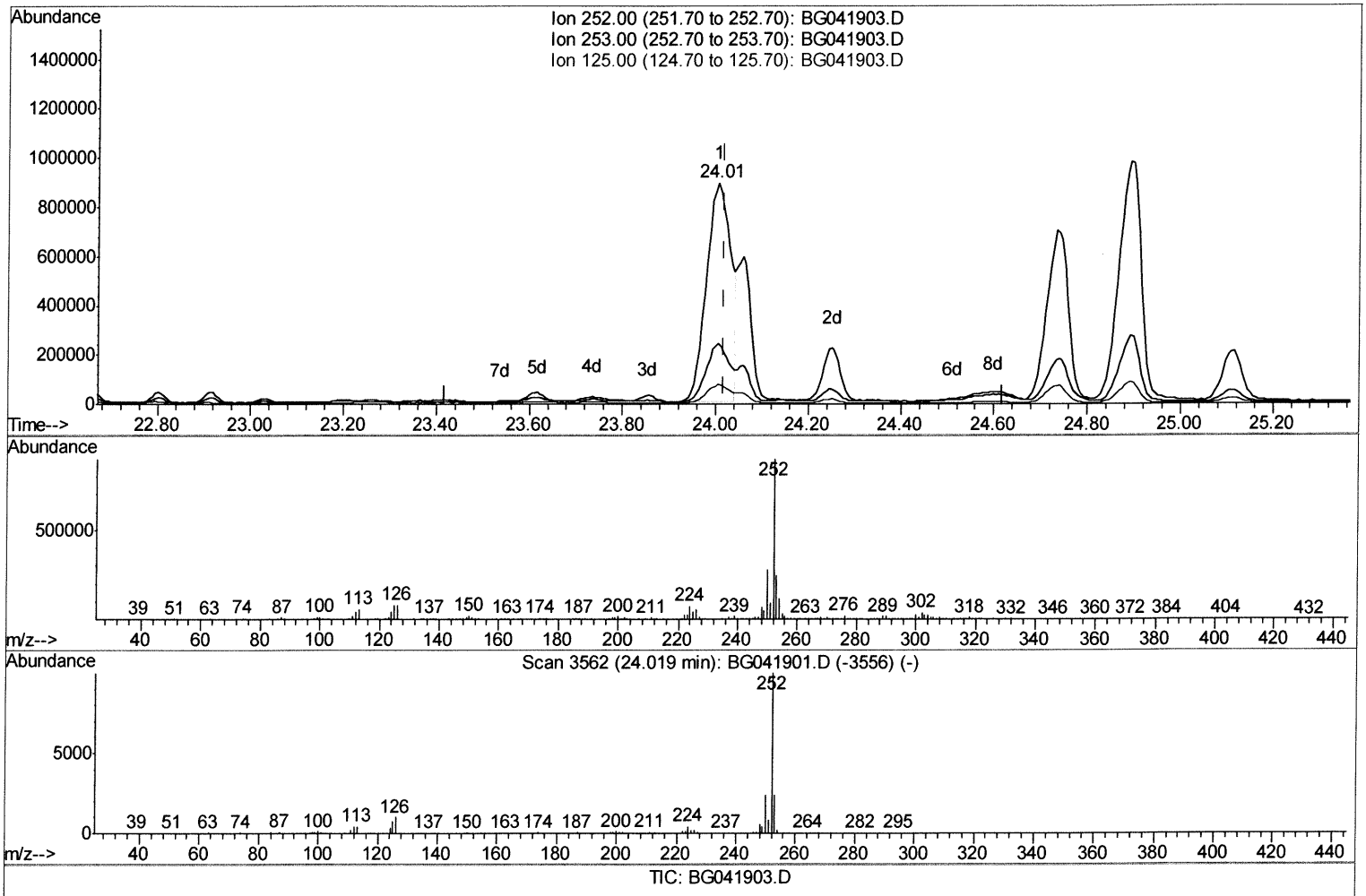


TIC: BG041903.D

(88) Benzo(k)fluoranthene

24.005min (-0.014) 70.18ng/ul

response 3229298

Ion	Exp%	Act%
252.00	100	100
253.00	22.90	27.56#
125.00	6.90	8.73#
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

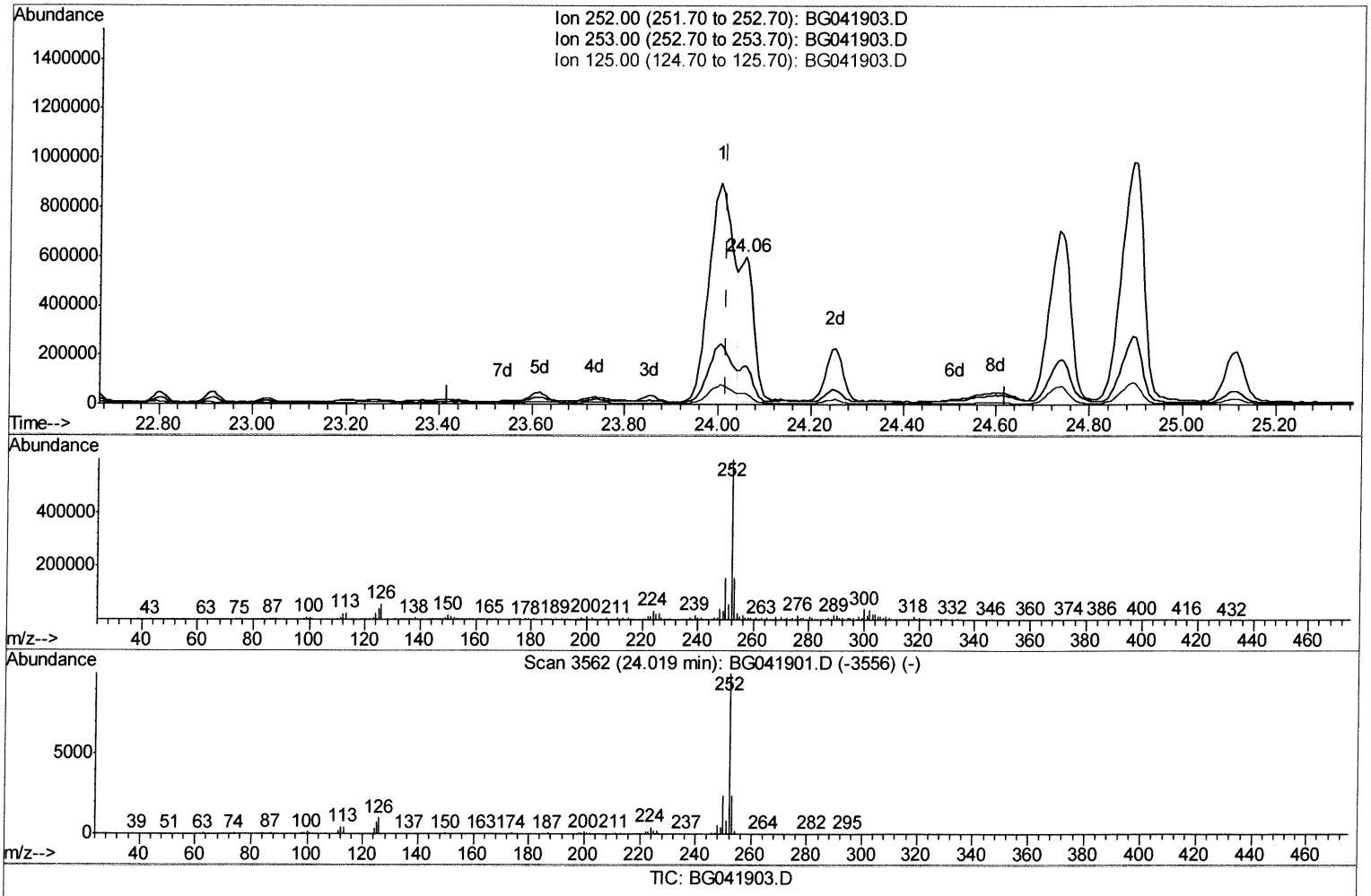
Quantitation Report (Qedit)

Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 00:05:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
BENQ1

Manual Integrations APPROVED
mohammad
8/6/2019 12:17:45 PM



TIC: BG041903.D

(88) Benzo(k)fluoranthene

24.058min (+0.039) 26.54ng/ul m JU 08/05/19

response 1221286

Ion	Exp%	Act%
252.00	100	100
253.00	22.90	26.02
125.00	6.90	7.21
0.00	0.00	0.00

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\

Data File : BG041903.D
Acq On : 3 Aug 2019 10:48
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 00:47:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : BENQ1

Manual Integrations APPROVED
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8/6/2019 12:17:45 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	118816	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	486794	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	320438	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	620753	20.00	ng/ul	0.00
77) Chrysene-d12	21.75	240	640081	20.00	ng/ul	0.03
85) Perylene-d12	25.03	264	762564	20.00	ng/ul	0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.42	96	1003	0.37	ng/uL	0.00
5) Phenol-d5	7.19	99	8695	0.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	16160	3.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	15754	1.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	6591	0.84	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	13216	3.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	12574	2.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	19635	2.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	11291	1.18	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	88283	3.55	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	106065	3.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.90	143	2780m >	0.67	ng/ul →	0.03
57) Fluorene-d10	15.69	176	79138	3.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.83	200	1167m >	0.29	ng/ul →	0.03
70) Anthracene-d10	17.55	188	124997m >	4.20	ng/ul →	0.02
78) Pyrene-d10	19.84	212	140890	3.94	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.81	264	148069	3.72	ng/ul	0.05
Target Compounds						Qvalue
28) Naphthalene	10.91	128	584720	23.495	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	556920	28.155	ng/ul	98
40) 1,1'-Biphenyl	13.52	154	97899	4.202	ng/ul	99
44) Dimethylphthalate	14.14	163	28327	1.148	ng/ul#	97
49) Acenaphthene	14.76	153	735575	36.714	ng/ul	98
53) Dibenzofuran	15.09	168	146508	4.900	ng/ul	91
58) Fluorene	15.74	166	616998	25.618	ng/ul#	99
69) Phenanthrene	17.51	178	4349148	127.979	ng/ul#	46
71) Anthracene	17.59	178	1643471	47.682	ng/ul#	92
74) Carbazole	17.85	167	135828	4.757	ng/ul	95
76) Fluoranthene	19.52	202	3551008	90.437	ng/ul#	81
79) Pyrene	19.88	202	4731305	109.888	ng/ul#	63
82) Benzo(a)anthracene	21.73	228	3558612	80.185	ng/ul#	71
84) Chrysene	21.80	228	3727965	90.000	ng/ul#	71
87) Benzo(b)fluoranthene	24.01	252	3229298	67.481	ng/ul	92
88) Benzo(k)fluoranthene	24.06	252	1221286m →	26.543	ng/ul →	
90) Benzo(a)pyrene	24.89	252	3197362	70.115	ng/ul#	91
91) Indeno(1,2,3-cd)pyrene	28.79	276	1168055	21.960	ng/ul	95
92) Dibenzo(a,h)anthracene	28.83	278	448927	10.347	ng/ul#	91
93) Benzo(g,h,i)perylene	29.96	276	1161393	26.153	ng/ul	97

JU 08/05/19

JU 08/05/19

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