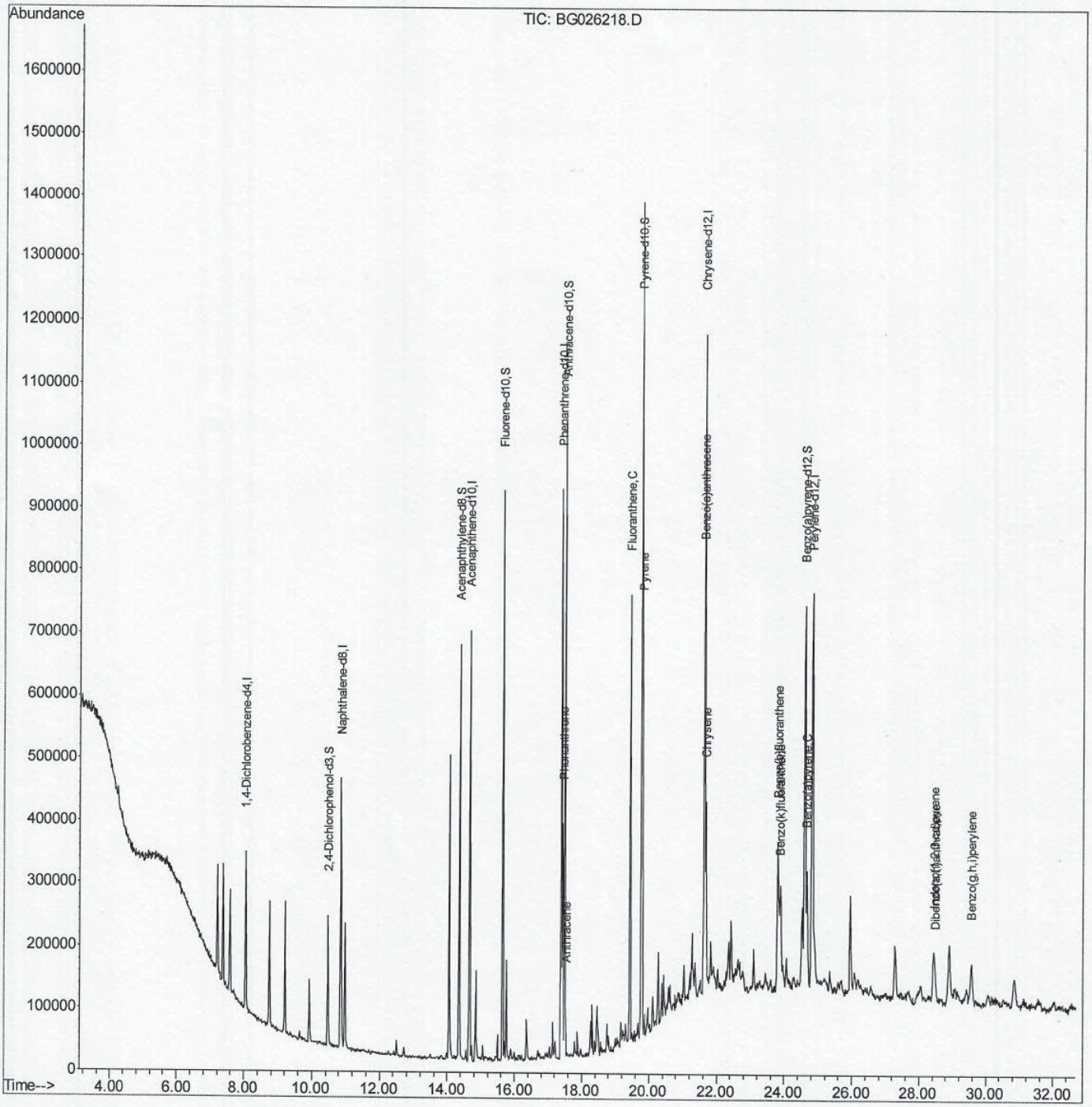
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
Data File : BG026218.D
Acq On : 13 Mar 2017 19:09
Operator : SJ/MA
Sample : I2217-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 21 17:23:40 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB2X9

Manual Integrations APPROVED
mohammad
3/16/2017 10:52:20 AM



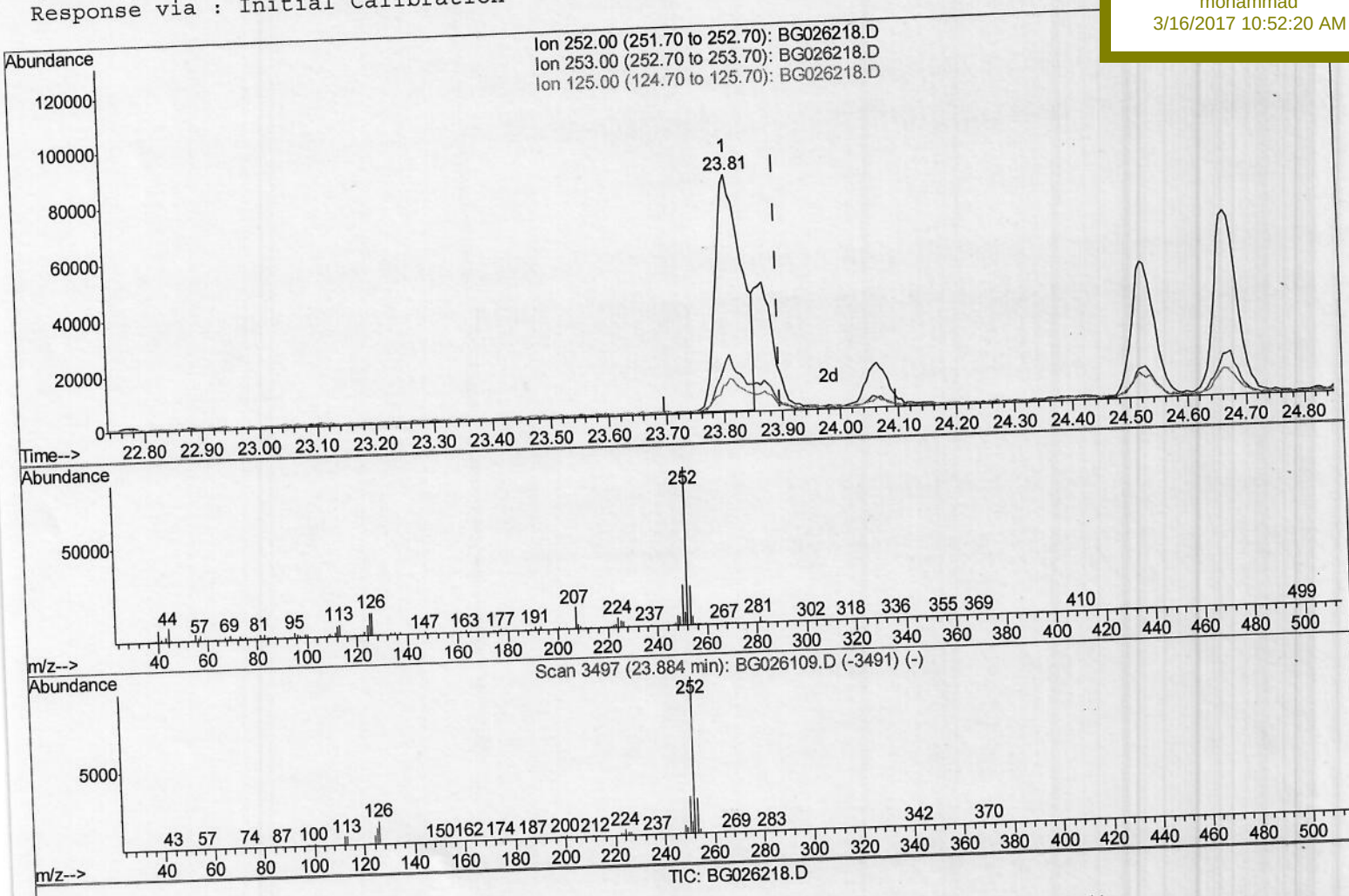
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG031317\
Data File : BG026218.D
Acq On : 13 Mar 2017 19:09
Operator : SJ/MA
Sample : I2217-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 17:39:35 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB2X9

Manual Integrations APPROVED
mohammad
3/16/2017 10:52:20 AM



Scan 3497 (23.884 min): BG026109.D (-3491) (-)

TIC: BG026218.D

(25) Benzo(k)fluoranthene

23.811min (-0.086) 9.23ng/ul

response 272741

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	24.74
125.00	11.00	14.45#
0.00	0.00	0.00

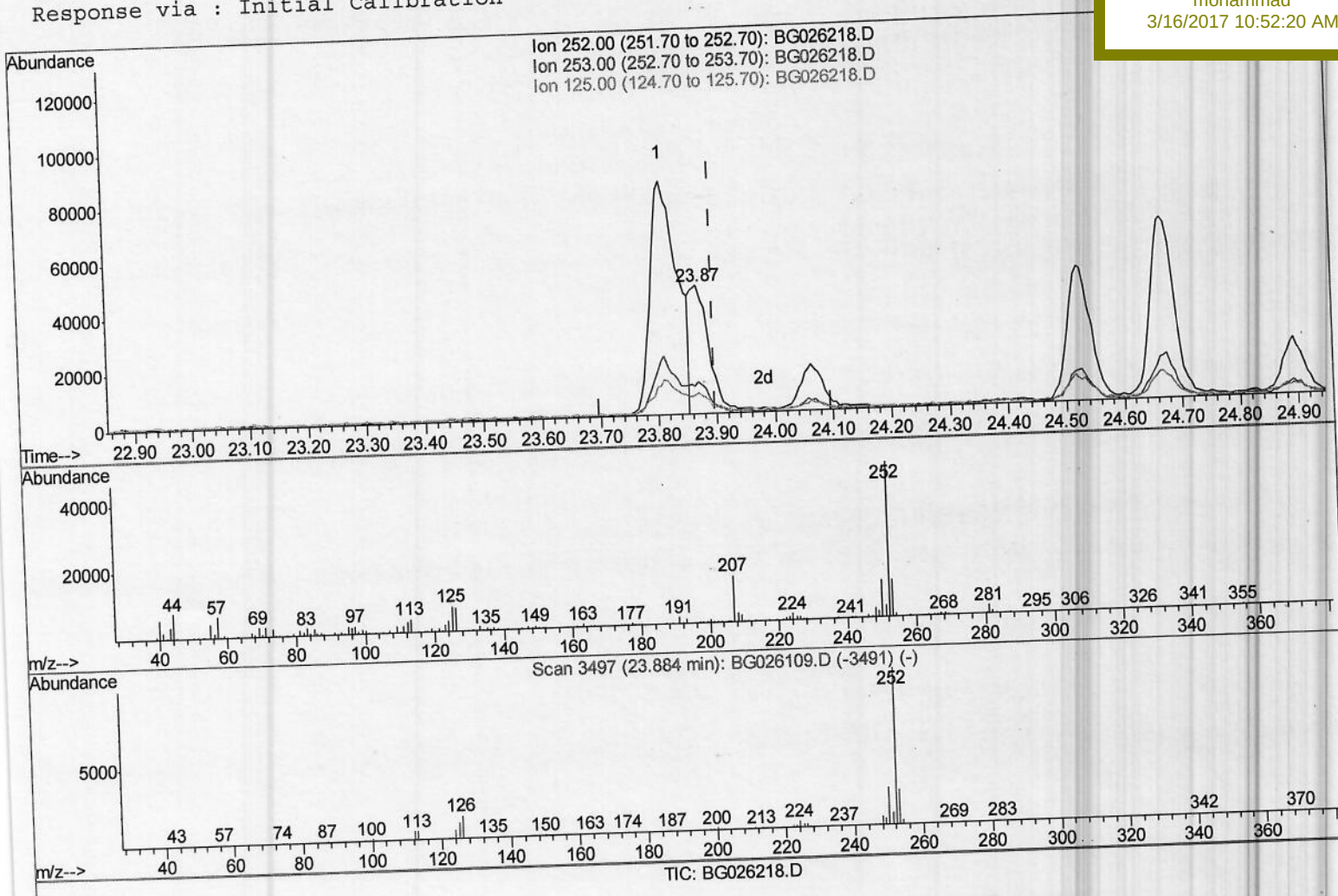
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG031317\
Data File : BG026218.D
Acq On : 13 Mar 2017 19:09
Operator : SJ/MA
Sample : I2217-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 17:39:35 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB2X9

Manual Integrations APPROVED
mohammad
3/16/2017 10:52:20 AM



Scan 3497 (23.884 min): BG026109.D (-3491) (-)

TIC: BG026218.D

(25) Benzo(k)fluoranthene

23.870min (-0.027) 3.48ng/ul m SJ 03/16/17

response 102963

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	24.36
125.00	11.00	16.08#
0.00	0.00	0.00

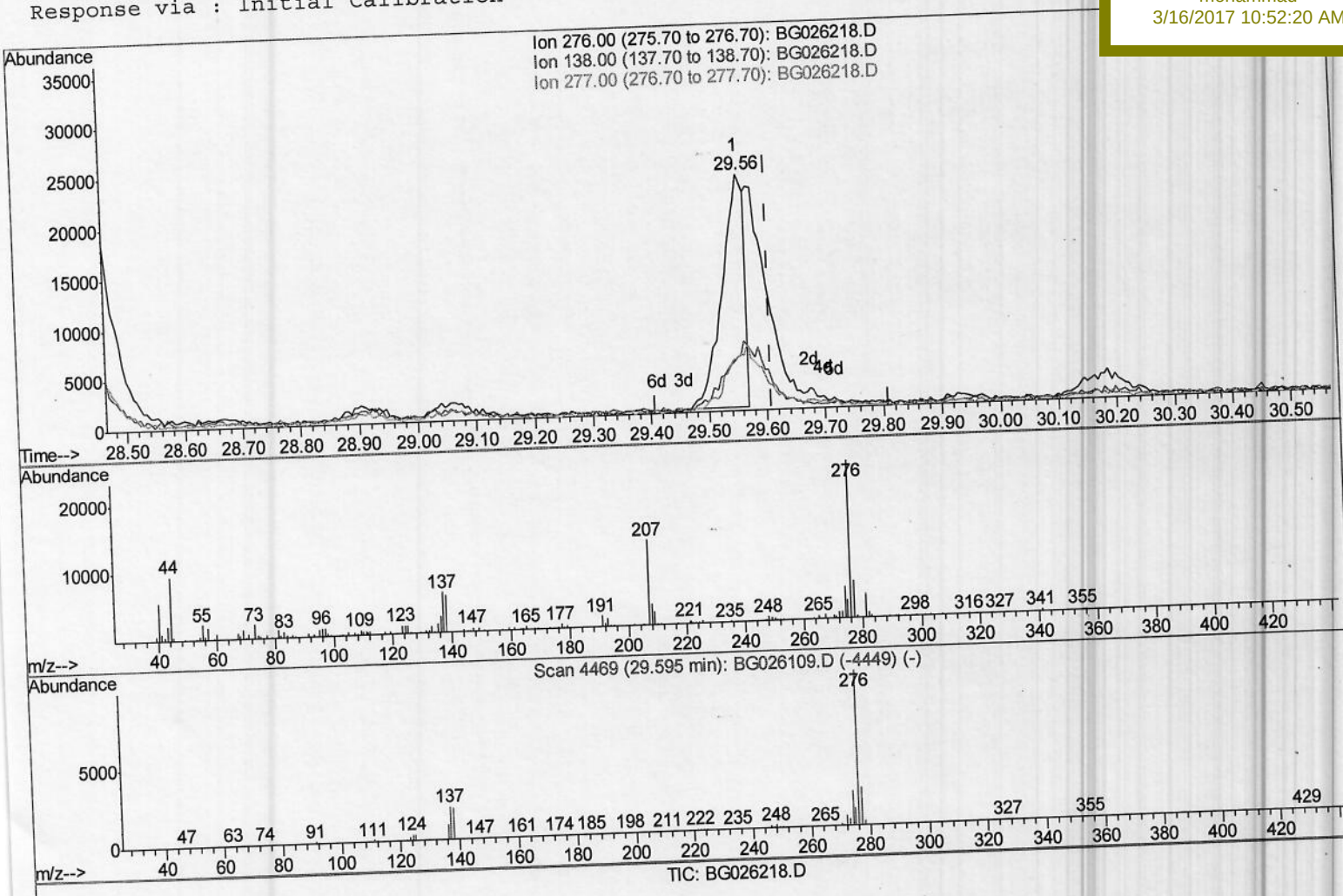
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG031317\
Data File : BG026218.D
Acq On : 13 Mar 2017 19:09
Operator : SJ/MA
Sample : I2217-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 17:39:35 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB2X9

Manual Integrations APPROVED
mohammad
3/16/2017 10:52:20 AM



Scan 4469 (29.595 min): BG026109.D (-4449) (-)

TIC: BG026218.D

(30) Benzo(g,h,i)perylene

29.557min (-0.051) 2.34ng/ul

response 63616

Ion	Exp%	Act%
276.00	100	100
138.00	23.70	23.62
277.00	24.60	23.88
0.00	0.00	0.00

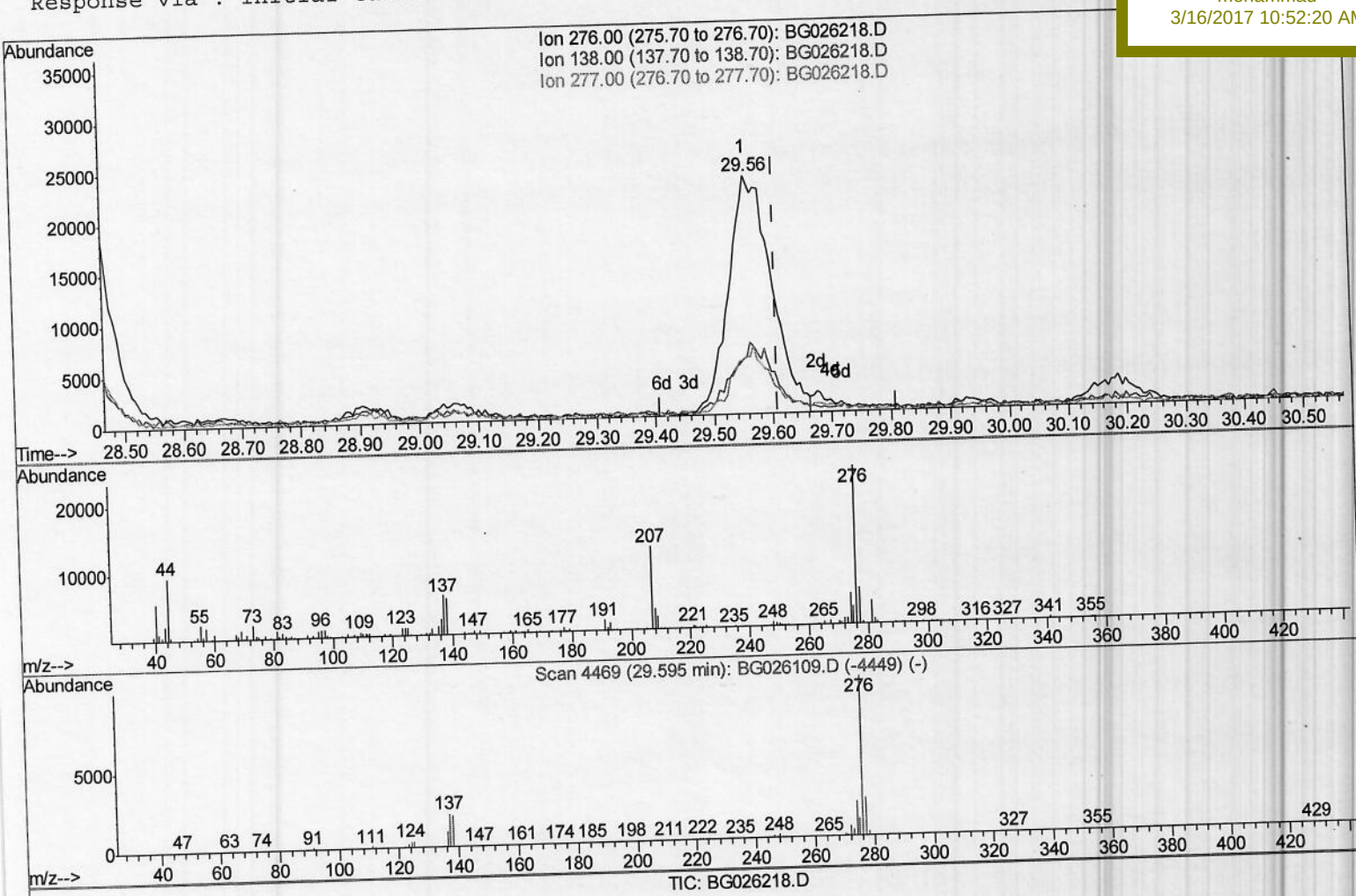
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG031317\
Data File : BG026218.D
Acq On : 13 Mar 2017 19:09
Operator : SJ/MA
Sample : I2217-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 17:40:18 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB2X9

Manual Integrations APPROVED
mohammad
3/16/2017 10:52:20 AM



Scan 4469 (29.595 min): BG026109.D (-4449) (-)

TIC: BG026218.D

(30) Benzo(g,h,i)perylene

29.557min (-0.051) 4.36ng/ul m SJ 03/16/17

response 118375

Ion	Exp%	Act%
276.00	100	100
138.00	23.70	23.62
277.00	24.60	23.88
0.00	0.00	0.00

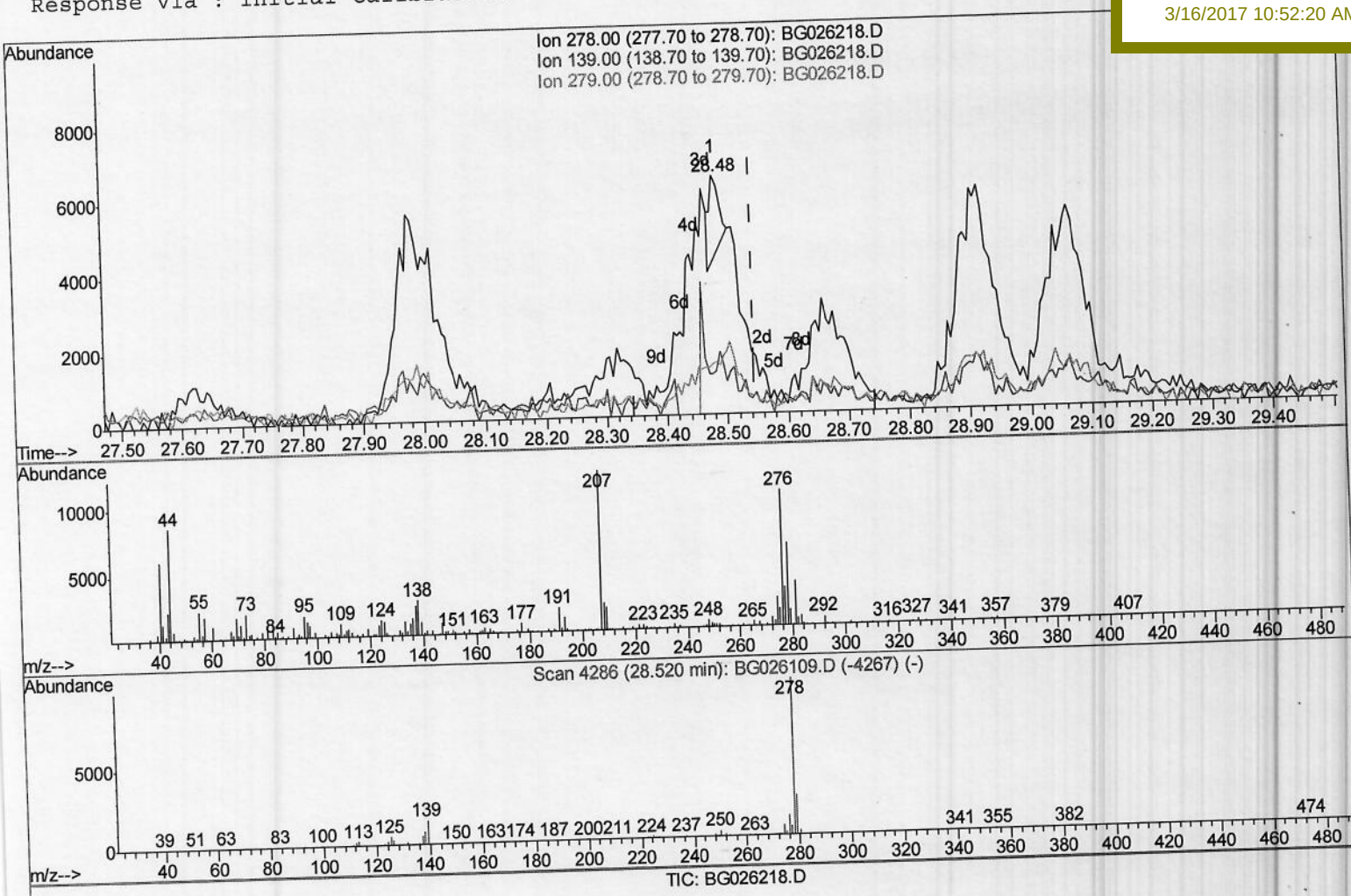
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG031317\
Data File : BG026218.D
Acq On : 13 Mar 2017 19:09
Operator : SJ/MA
Sample : I2217-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 17:40:47 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB2X9

Manual Integrations APPROVED
mohammad
3/16/2017 10:52:20 AM



Scan 4286 (28.520 min): BG026109.D (-4267) (-)

TIC: BG026218.D

(29) Dibenzo(a,h)anthracene

28.482min (-0.063) 0.10ng/ul

response 2525

Ion	Exp%	Act%
278.00	100	100
139.00	17.50	18.33
279.00	25.80	22.11
0.00	0.00	0.00

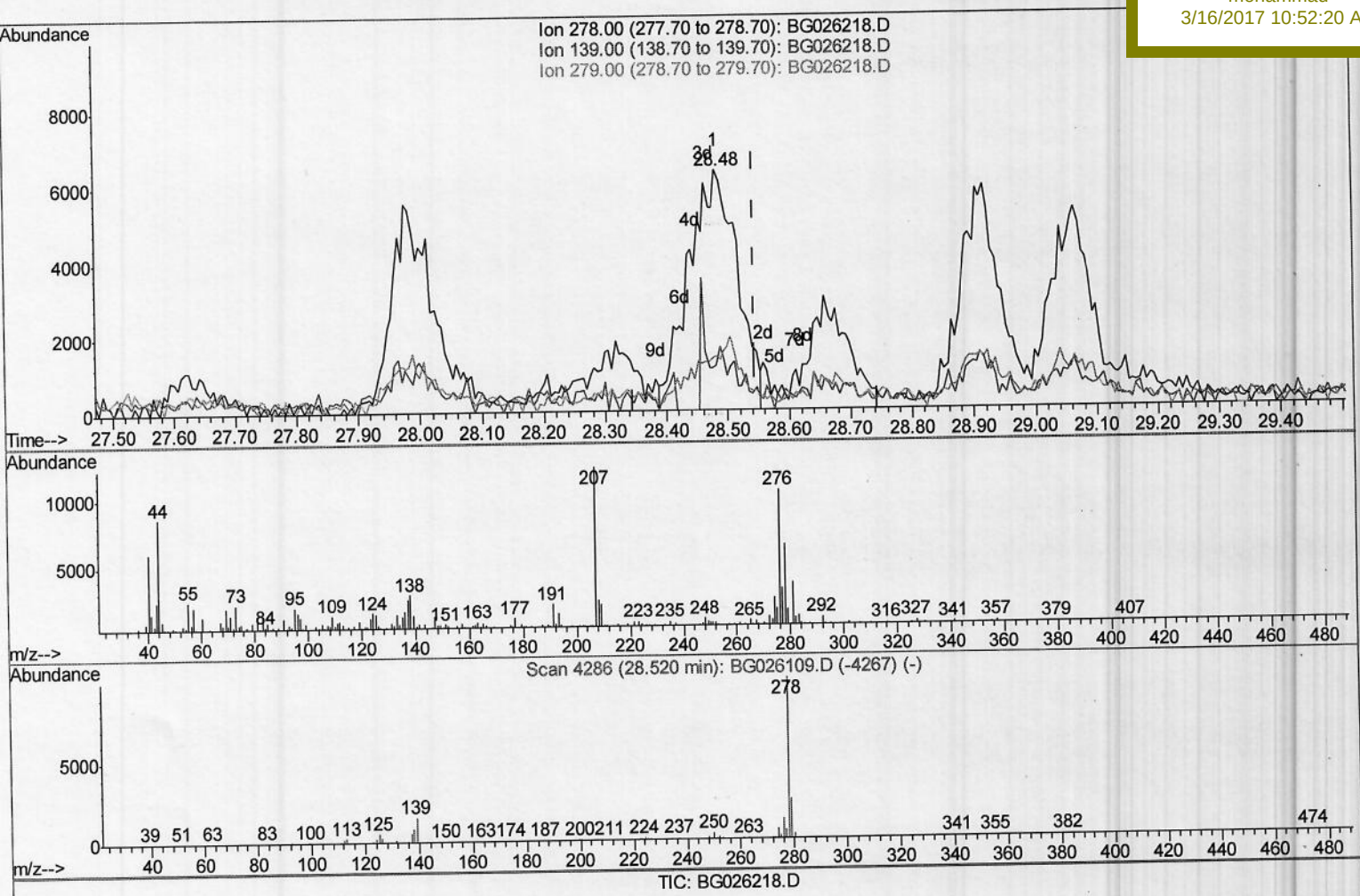
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG031317\
Data File : BG026218.D
Acq On : 13 Mar 2017 19:09
Operator : SJ/MA
Sample : I2217-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 17:40:47 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
CB2X9

Manual Integrations APPROVED
mohammad
3/16/2017 10:52:20 AM



TIC: BG026218.D

(29) Dibenzo(a,h)anthracene

28.482min (-0.063) 1.40ng/ul m SJ 03/16/17

response 35148

Ion	Exp%	Act%
278.00	100	100
139.00	17.50	18.33
279.00	25.80	22.11
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG031317\
Data File : BG026218.D
Acq On : 13 Mar 2017 19:09
Operator : SJ/MA
Sample : I2217-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 21 17:23:40 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG030317-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 17:21:10 2017
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : CB2X9

Manual Integrations APPROVED
mohammad
3/16/2017 10:52:20 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	71271	20.00	ng/ul	-0.02
2) Naphthalene-d8	10.86	136	370460	20.00	ng/ul	-0.02
6) Acenaphthene-d10	14.66	164	231878	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	557798	20.00	ng/ul	-0.02
18) Chrysene-d12	21.64	240	577799	20.00	ng/ul	-0.02
23) Perylene-d12	24.82	264	545075	20.00	ng/ul	-0.03
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.47	165	84169	15.34	ng/uL	0.00
7) Acenaphthylene-d8	14.36	160	501003	25.34	ng/ul	0.00
10) Fluorene-d10	15.64	176	370289	25.68	ng/ul	-0.02
15) Anthracene-d10	17.49	188	561387	22.65	ng/ul	-0.02
19) Pyrene-d10	19.76	212	635266	21.55	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.60	264	596588	25.38	ng/ul	-0.02
Target Compounds						Qvalue
14) Phenanthrene	17.44	178	237324	8.03	ng/ul	99
16) Anthracene	17.52	178	46690	1.56	ng/ul	96
17) Fluoranthene	19.43	202	431381	14.06	ng/ul	99
20) Pyrene	19.79	202	379286	10.31	ng/ul	98
21) Benzo(a)anthracene	21.61	228	219401	6.82	ng/ul	100
22) Chrysene	21.68	228	203318	6.78	ng/ul	99
24) Benzo(b)fluoranthene	23.81	252	272741	8.81	ng/ul#	94
25) Benzo(k)fluoranthene	23.87	252	102963m	3.48	ng/ul	
27) Benzo(a)pyrene	24.67	252	178314	6.20	ng/ul#	96
28) Indeno(1,2,3-cd)pyrene	28.43	276	125801	3.96	ng/ul	98
29) Dibenzo(a,h)anthracene	28.48	278	35148m	1.40	ng/ul	
30) Benzo(g,h,i)perylene	29.56	276	118375m	4.36	ng/ul	

S.J 03/16/2017

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