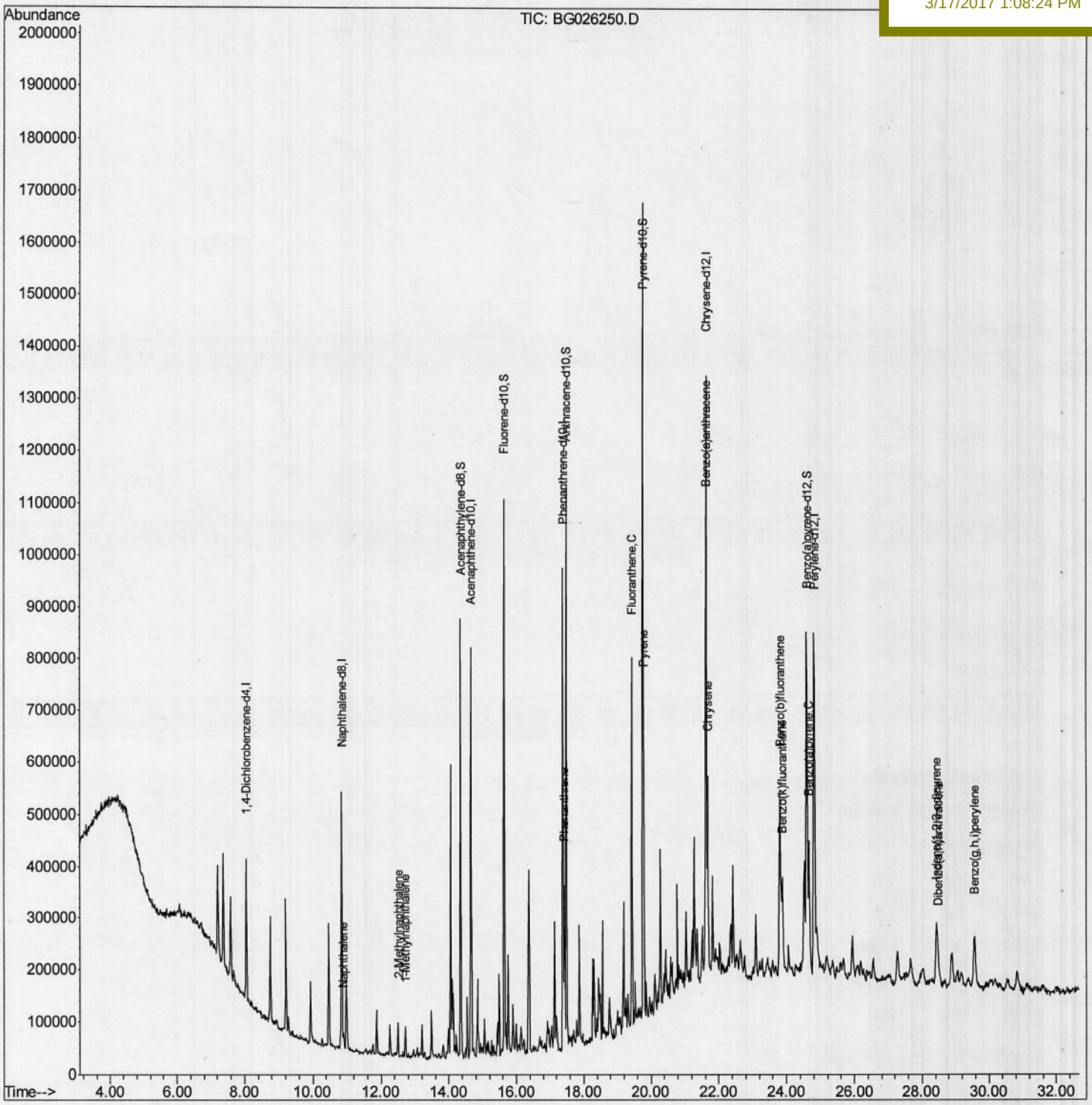
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 16 04:30:45 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM



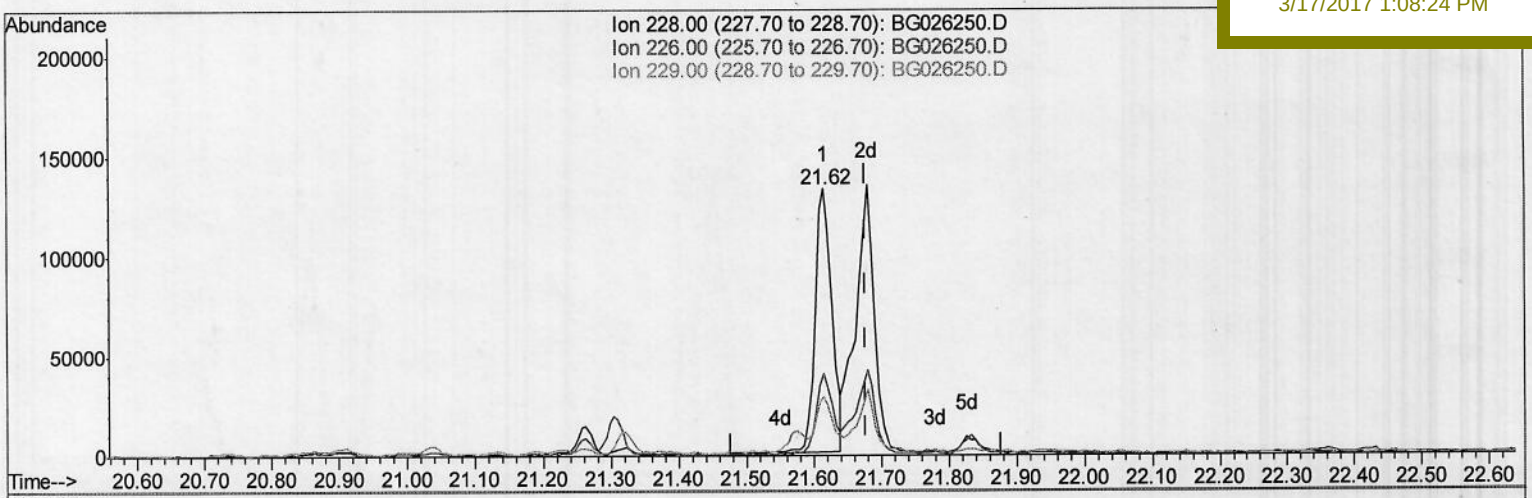
Quantitation Report (Qedit)

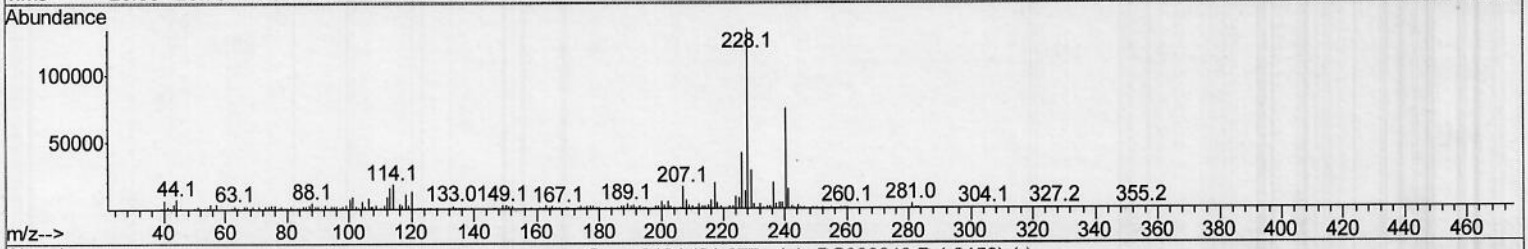
Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

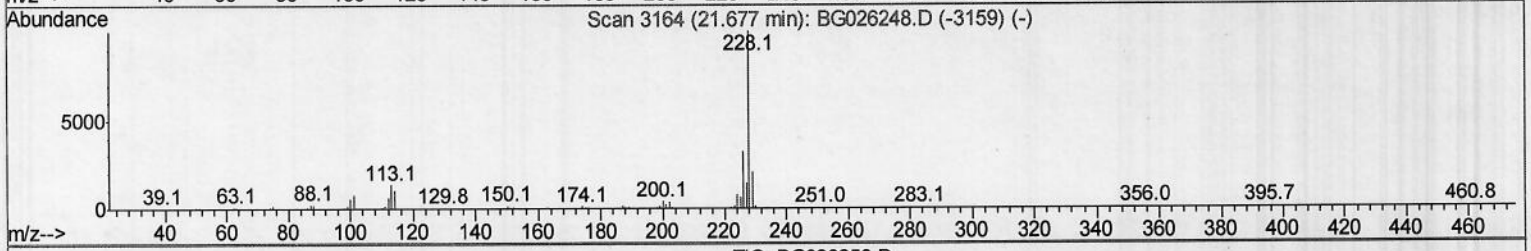
Quant Time: Mar 16 04:25:39 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM







TIC: BG026250.D

(21) Chrysene

21.615min (-0.062) 7.48ng/ul

response 228417

Ion	Exp%	Act%
228.00	100	100
226.00	30.60	30.61
229.00	19.80	21.66
0.00	0.00	0.00

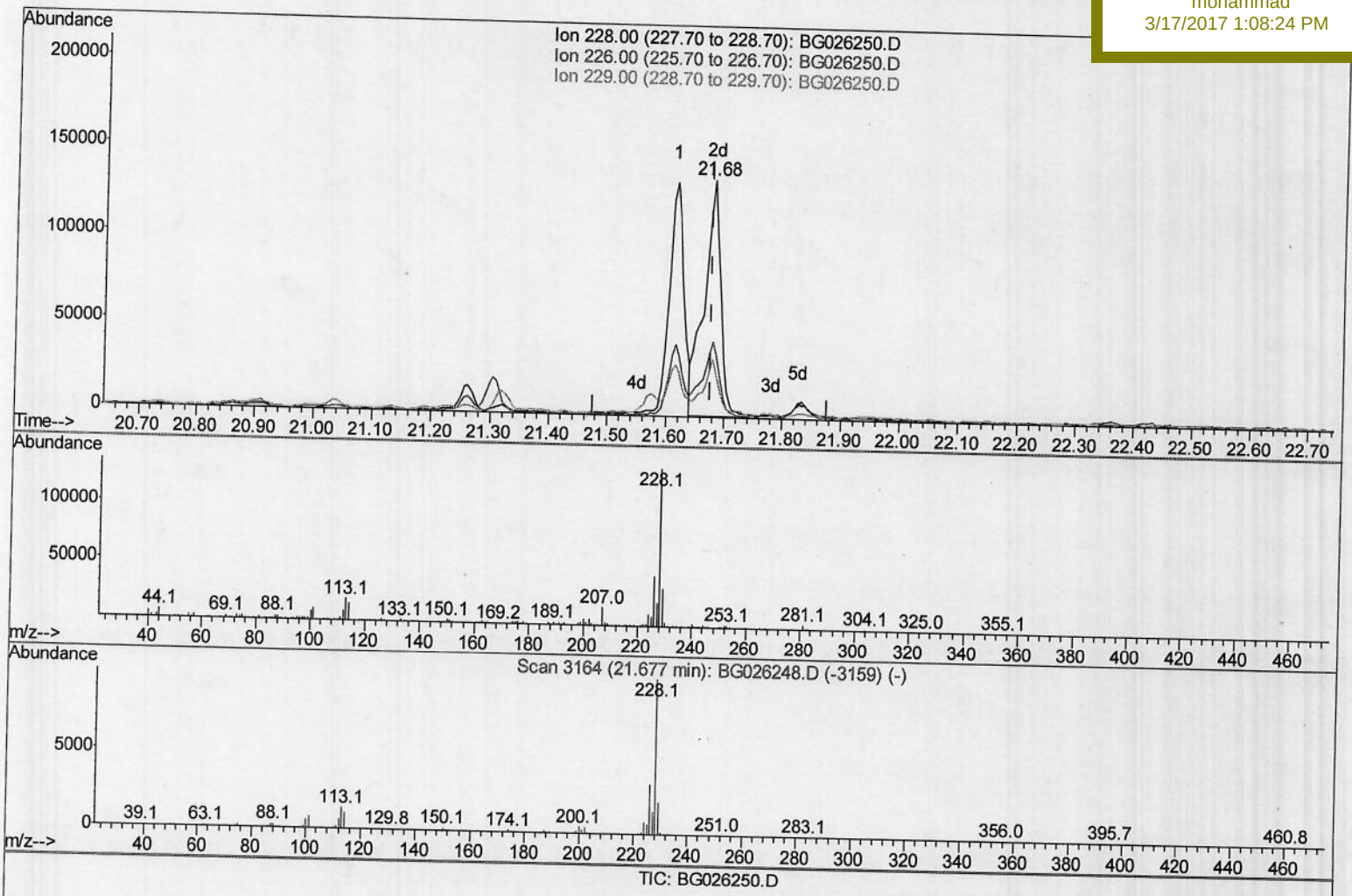
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 16 04:25:39 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM



(21) Chrysene

21.680min (+0.003) 8.78ng/ul m

response 268002

SJ
03/18/2017

Ion	Exp%	Act%
228.00	100	100
226.00	30.60	31.42
229.00	19.80	23.90#
0.00	0.00	0.00

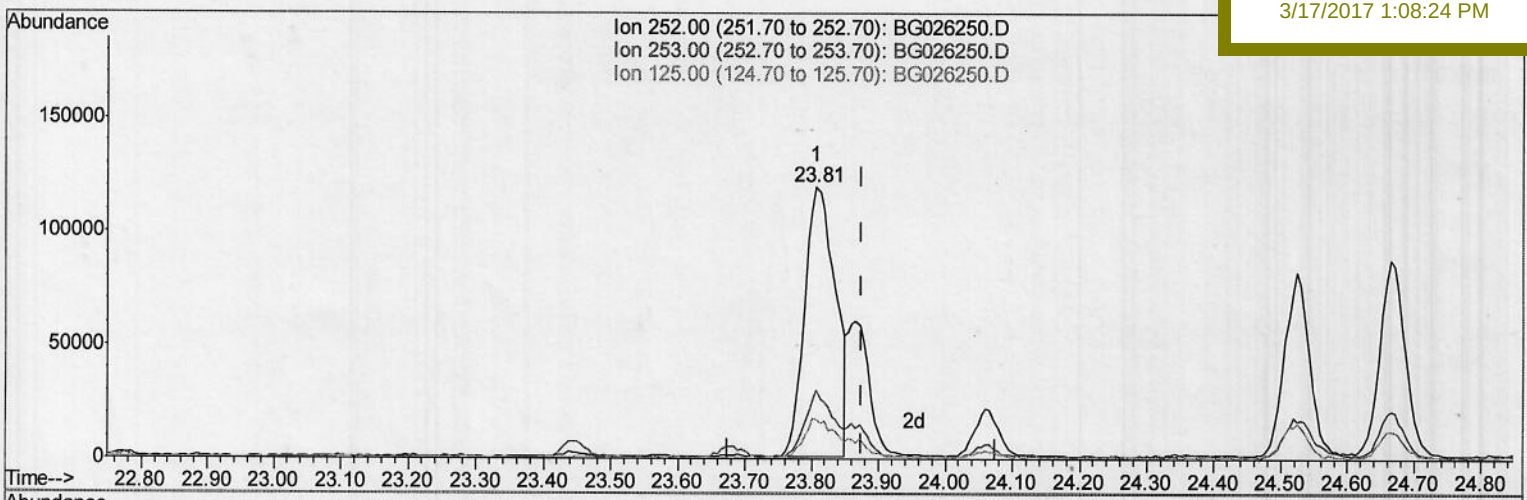
Quantitation Report (Qedit)

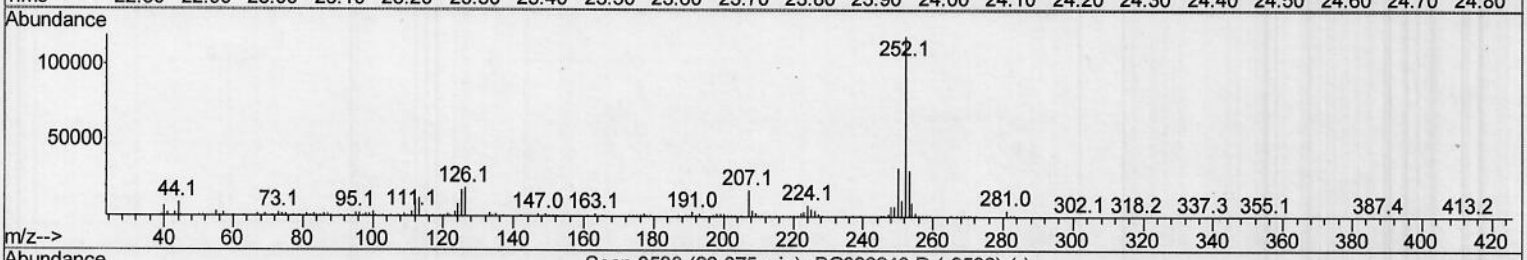
Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

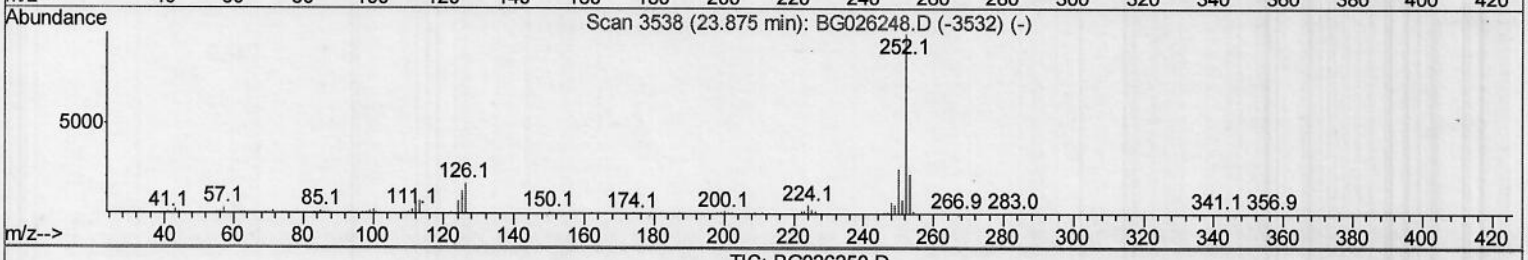
Quant Time: Mar 16 04:25:39 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM







TIC: BG026250.D

(24) Benzo(k)fluoranthene

23.807min (-0.068) 12.62ng/ul

response 375160

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	25.35
125.00	10.10	14.78#
0.00	0.00	0.00

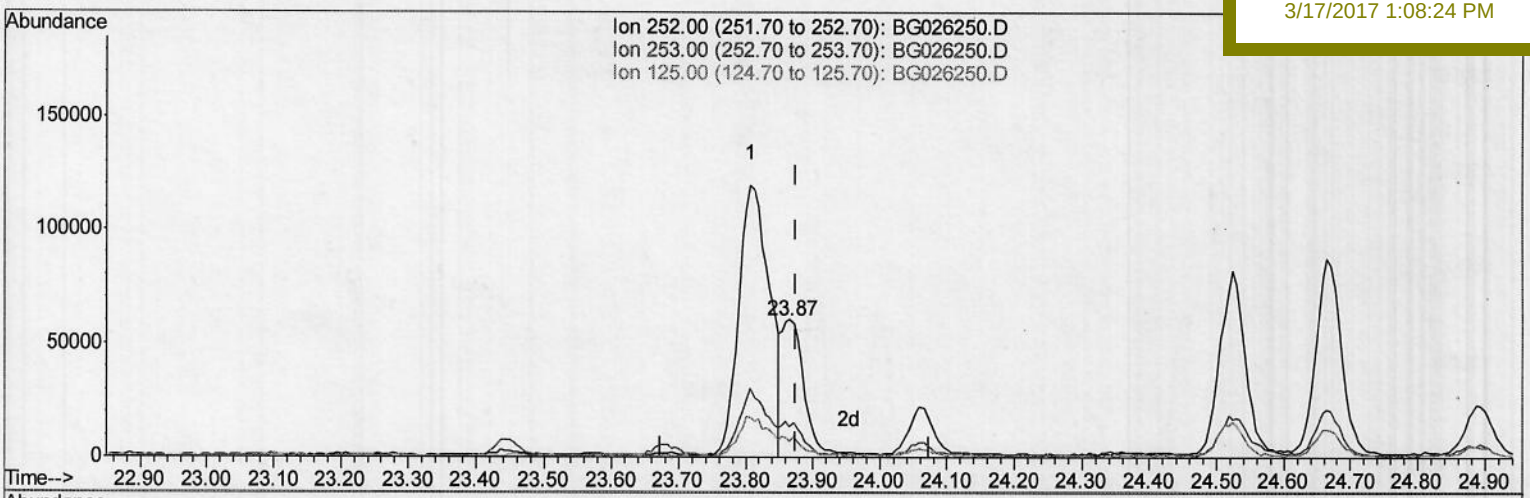
Quantitation Report (Qedit)

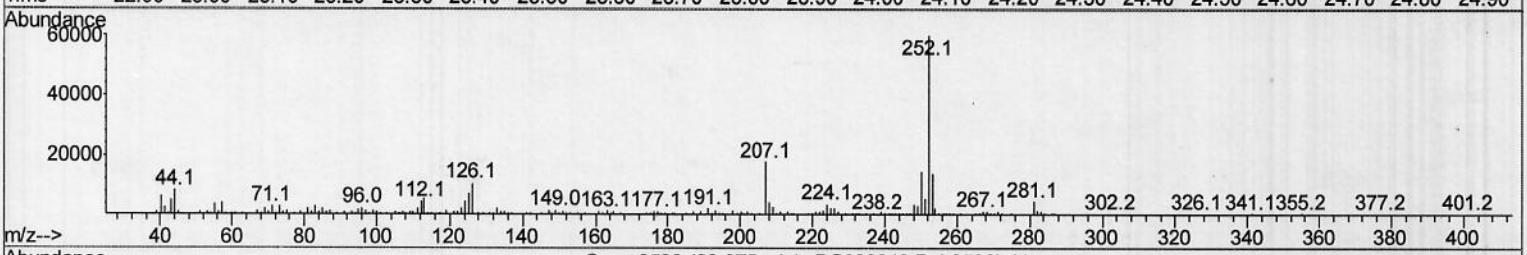
Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

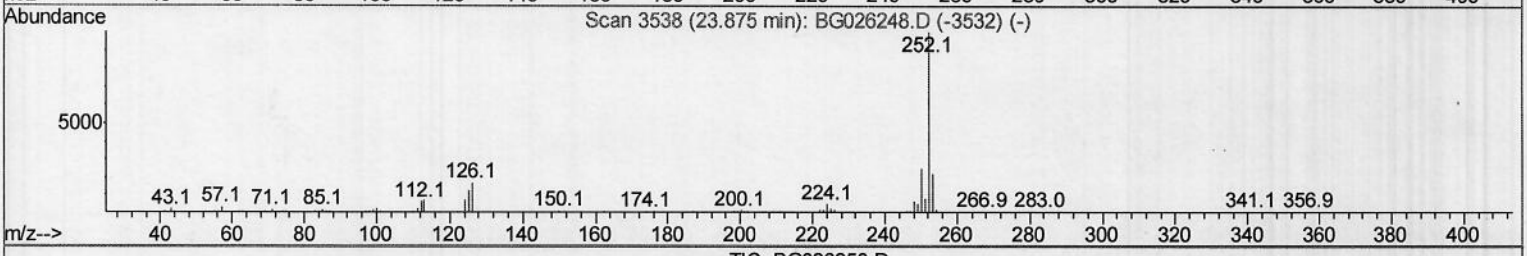
Quant Time: Mar 16 04:25:39 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM







TIC: BG026250.D

(24) Benzo(k)fluoranthene

23.866min (-0.009) 4.75ng/ul m

response 141276

SJ 03/18/2017

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	23.02
125.00	10.10	12.11
0.00	0.00	0.00

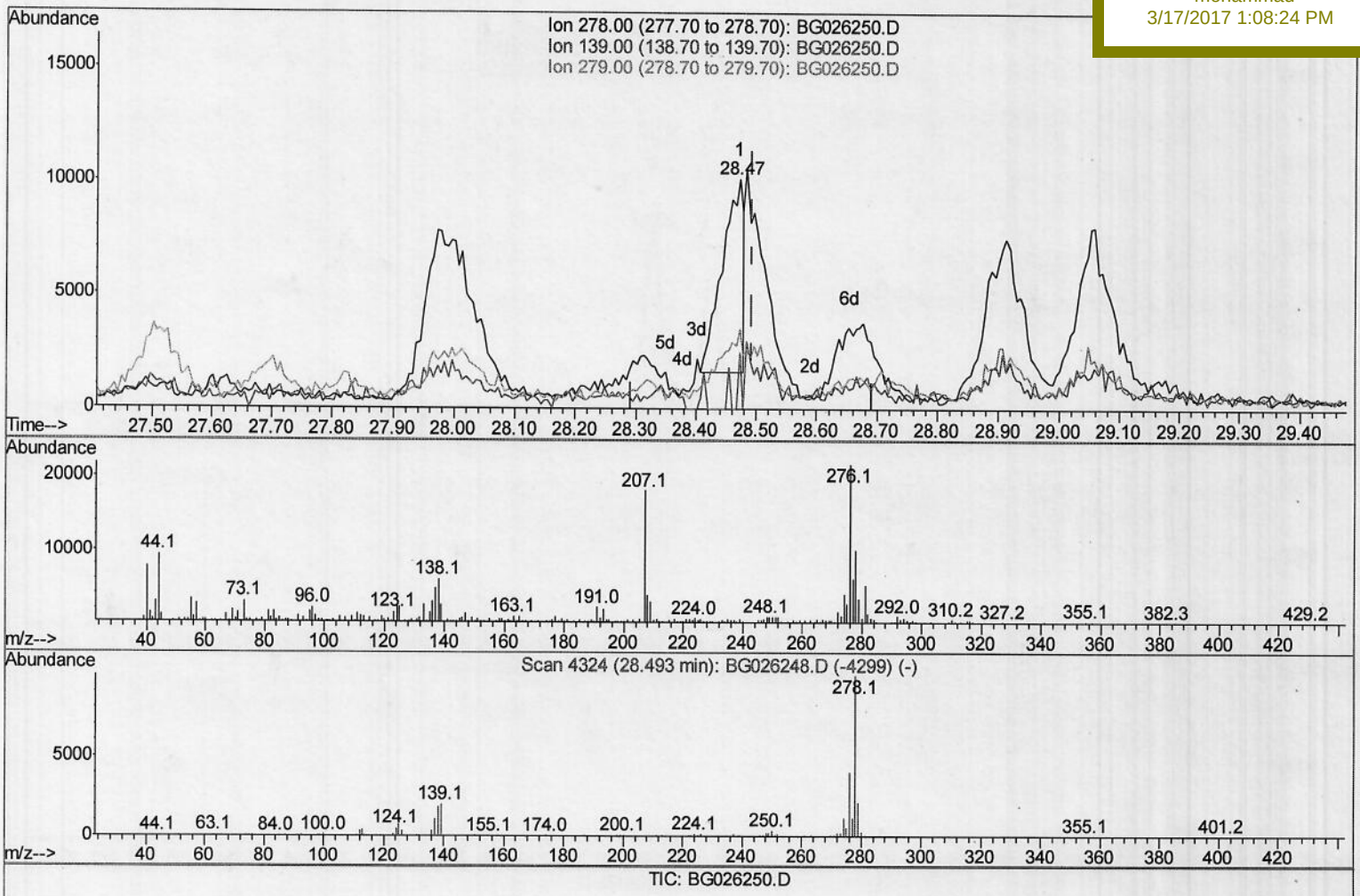
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 16 04:25:39 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM



TIC: BG026250.D

(28) Dibenzo(a,h)anthracene

28.472min (-0.021) 0.72ng/ul

response 20673

Ion	Exp%	Act%
278.00	100	100
139.00	15.30	24.34#
279.00	24.00	34.18#
0.00	0.00	0.00

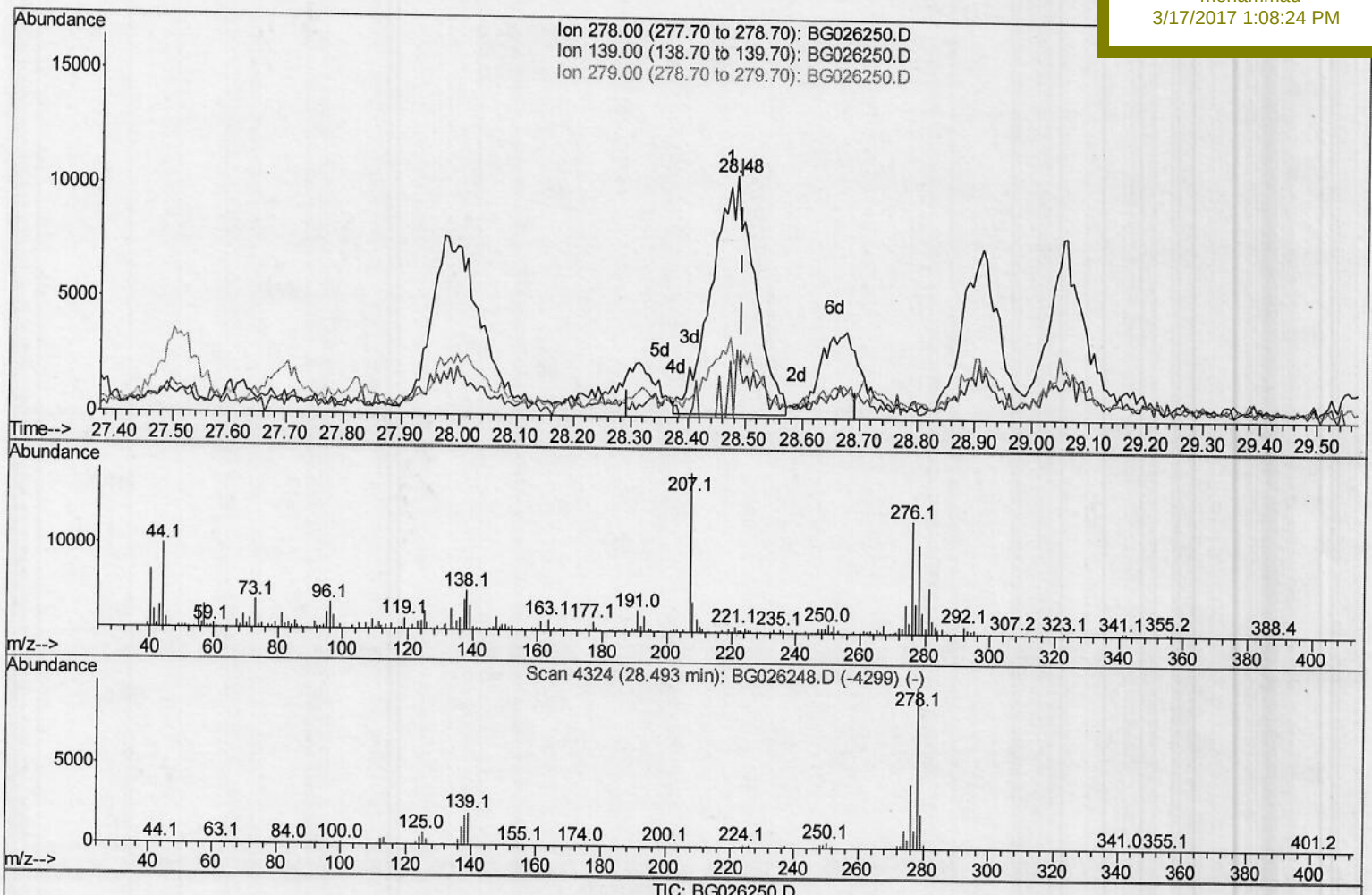
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 16 04:25:39 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM



TIC: BG026250.D

(28) Dibenzo(a,h)anthracene

28.484min (-0.009) 1.86ng/ul m

response 53760

Ion	Exp%	Act%
278.00	100	100
139.00	15.30	27.88#
279.00	24.00	24.50
0.00	0.00	0.00

SS
03/18/2017

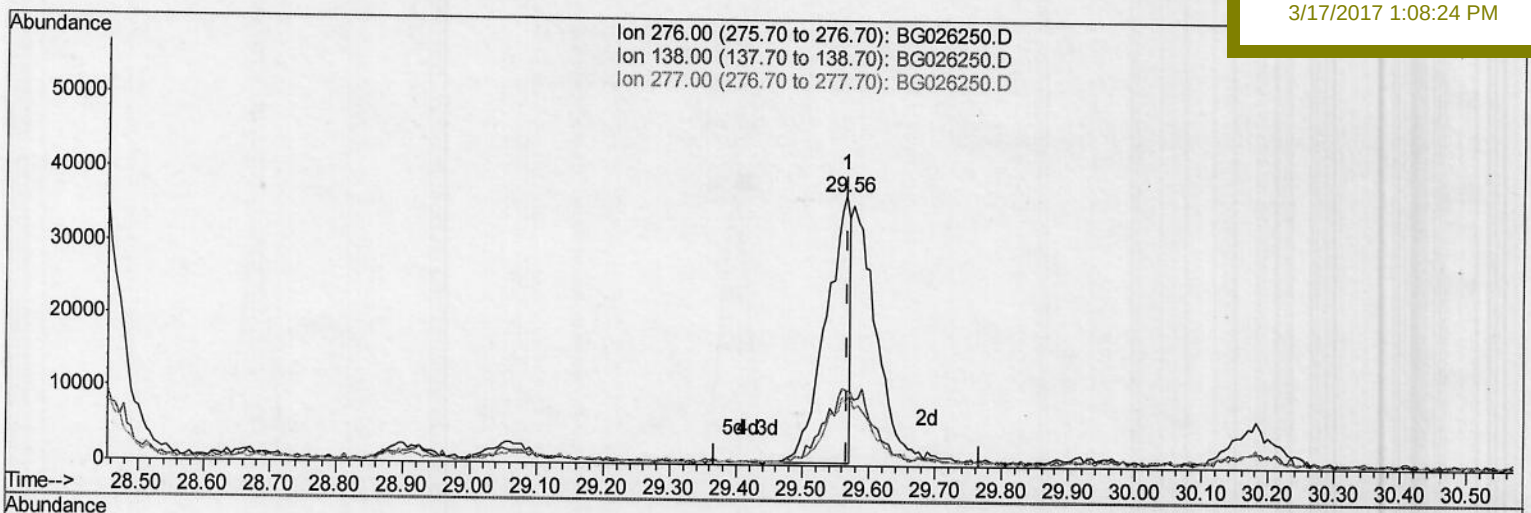
Quantitation Report (Qedit)

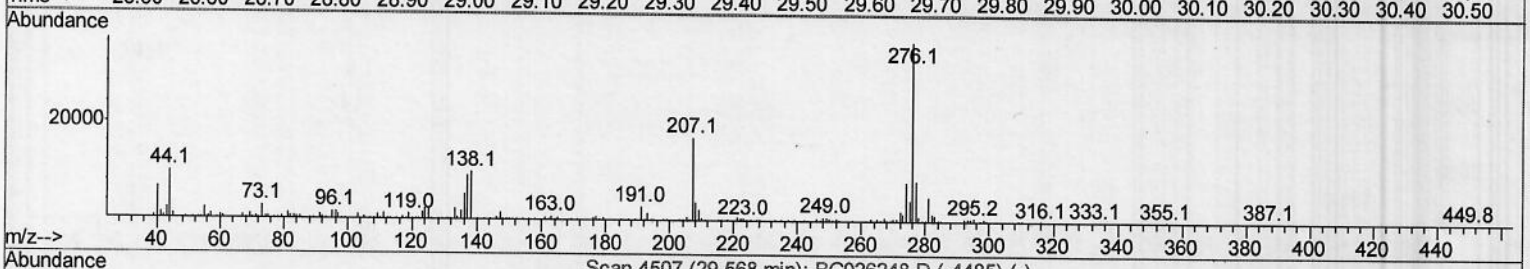
Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

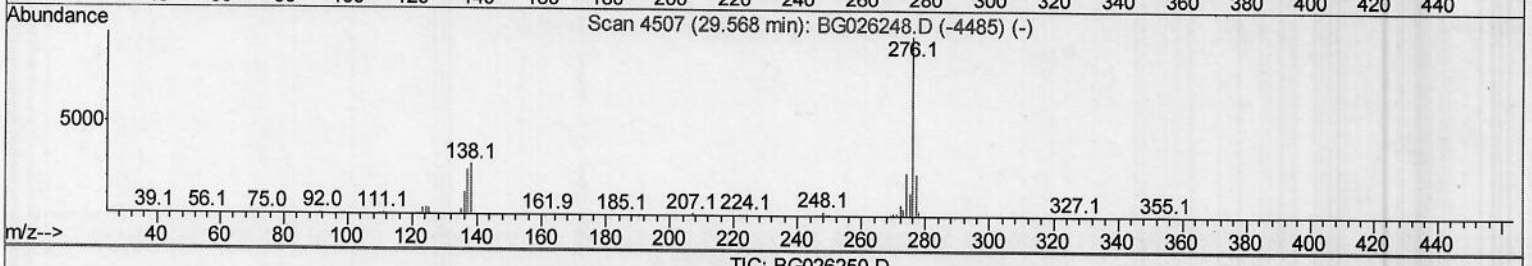
Quant Time: Mar 16 04:25:39 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM







TIC: BG026250.D

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

29.565min (-0.003) 3.30ng/ul

response 95095

Ion	Exp%	Act%
276.00	100	100
138.00	19.10	27.17#
277.00	23.70	22.81
0.00	0.00	0.00

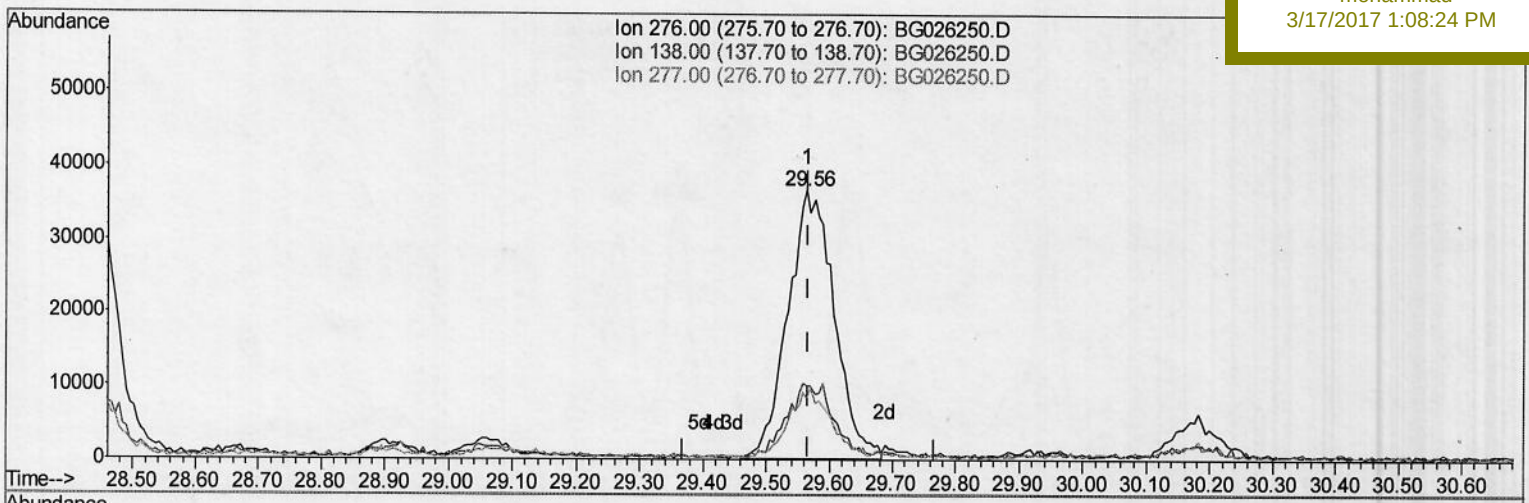
Quantitation Report (Qedit)

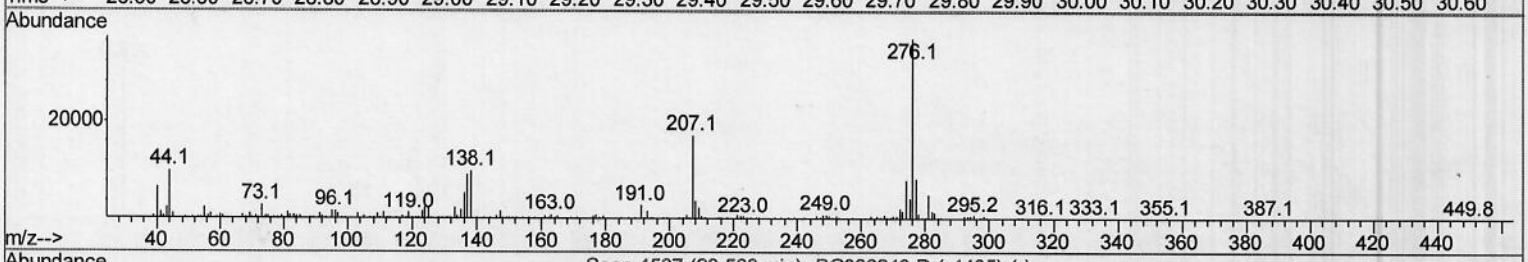
Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

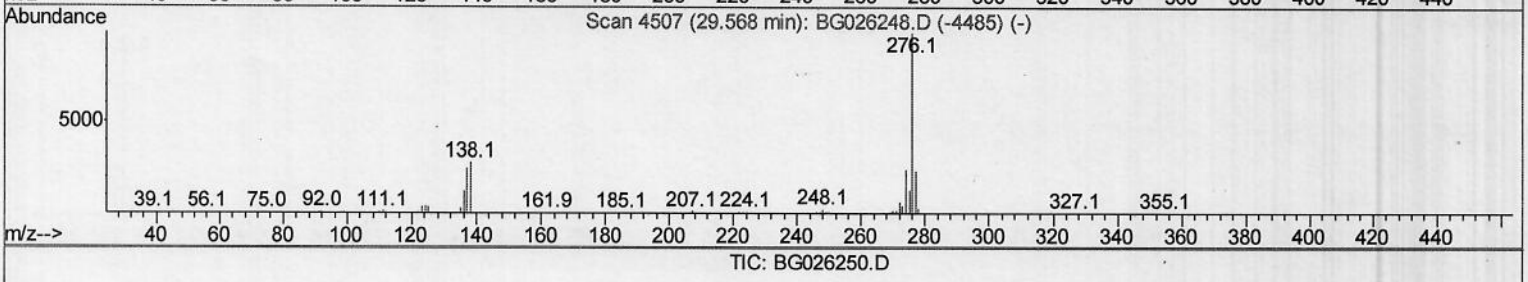
Quant Time: Mar 16 04:25:39 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM







TIC: BG026250.D

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

29.565min (-0.003) 6.36ng/ul m

response 183018

SJ
03/18/2017

Ion	Exp%	Act%
276.00	100	100
138.00	19.10	27.17#
277.00	23.70	22.81
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031517\
Data File : BG026250.D
Acq On : 16 Mar 2017 1:35
Operator : SJ/MA
Sample : I2236-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 16 04:30:45 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.3-EPA-BG021617MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 04:25:12 2017
Response via : Initial Calibration

Instrument : BNA_G
ClientSampleId : DABG3

Manual Integrations APPROVED
mohammad
3/17/2017 1:08:24 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	76859	20.00	ng/ul	0.00
2) Naphthalene-d8	10.85	136	412121	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.66	164	250443	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.39	188	555008	20.00	ng/ul	0.00
17) Chrysene-d12	21.63	240	568094	20.00	ng/ul	0.00
22) Perylene-d12	24.82	264	532791	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.35	160	603184	29.08	ng/ul	0.00
10) Fluorene-d10	15.65	176	427688	26.85	ng/ul	0.00
14) Anthracene-d10	17.48	188	611082	24.35	ng/ul	0.00
18) Pyrene-d10	19.76	212	673989	24.62	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.60	264	615083	26.09	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.90	128	29323	1.44	ng/ul	98
4) 2-Methylnaphthalene	12.50	142	29602	1.85	ng/ul	96
5) 1-Methylnaphthalene	12.72	142	26947	1.73	ng/ul	90
13) Phenanthrene	17.43	178	194268	6.56	ng/ul	96
16) Fluoranthene	19.43	202	404408	12.43	ng/ul	97
19) Pyrene	19.79	202	348279	10.13	ng/ul	96
20) Benzo(a)anthracene	21.62	228	231879	7.26	ng/ul	93
21) Chrysene	21.68	228	268002m	8.78	ng/ul	
23) Benzo(b)fluoranthene	23.81	252	375160	12.19	ng/ul#	92
24) Benzo(k)fluoranthene	23.87	252	141276m	4.75	ng/ul	
26) Benzo(a)pyrene	24.66	252	227800	7.65	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	28.44	276	180589	5.18	ng/ul#	86
28) Dibenzo(a,h)anthracene	28.48	278	53760m	1.86	ng/ul	
29) Benzo(g,h,i)perylene	29.56	276	183018m	6.36	ng/ul	

SJ
03/18/2017

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