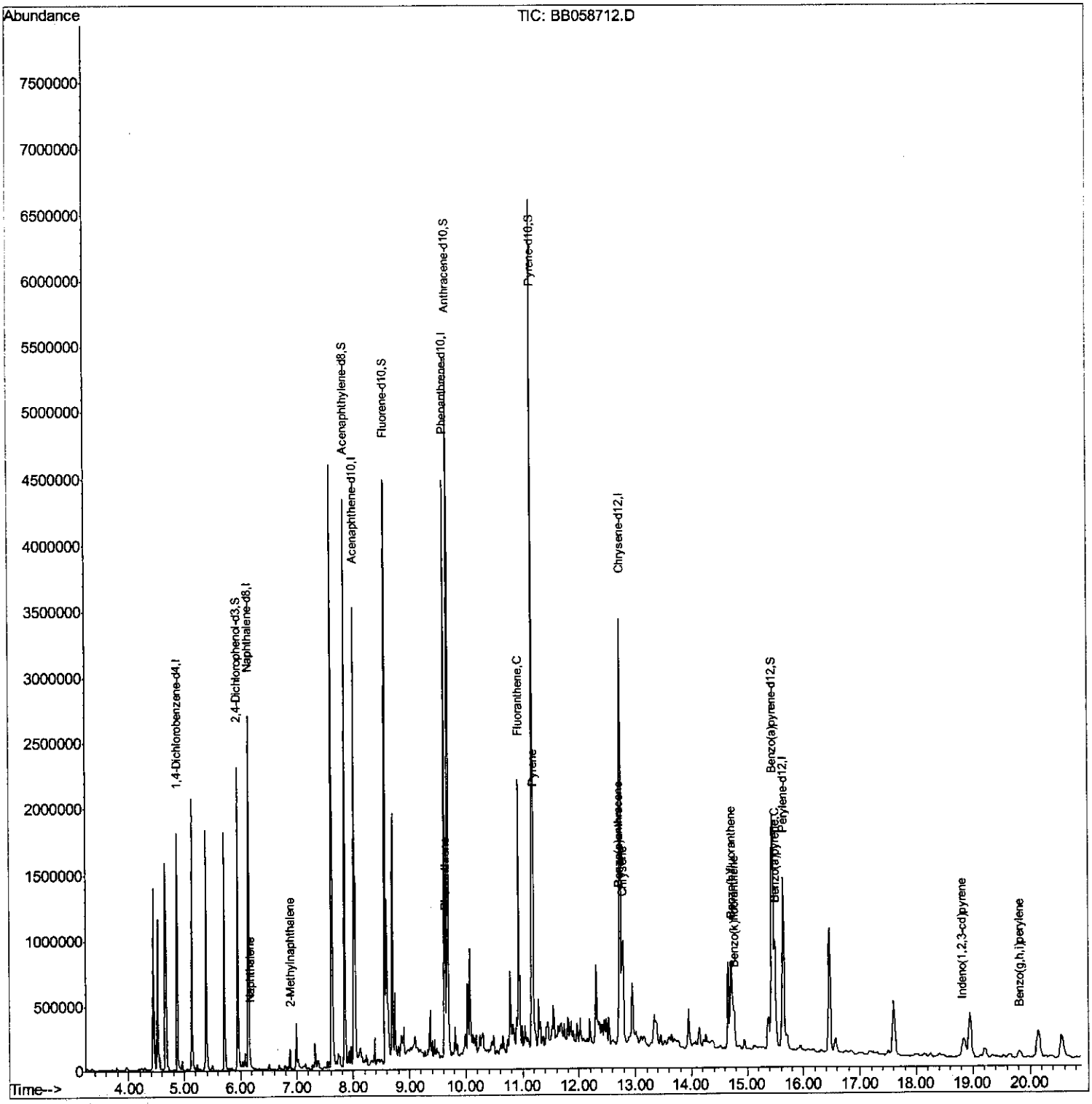
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA B\DATA\BB030917\
Data File : BB058712.D
Acq On : 9 Mar 2017 16:09
Operator : UM/SJ
Sample : I2107-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 14:44:58 2017
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM-EPA-BB030917-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 14:21:30 2017
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
C0AJ5

Manual Integrations APPROVED
mohammad
3/15/2017 5:08:55 PM



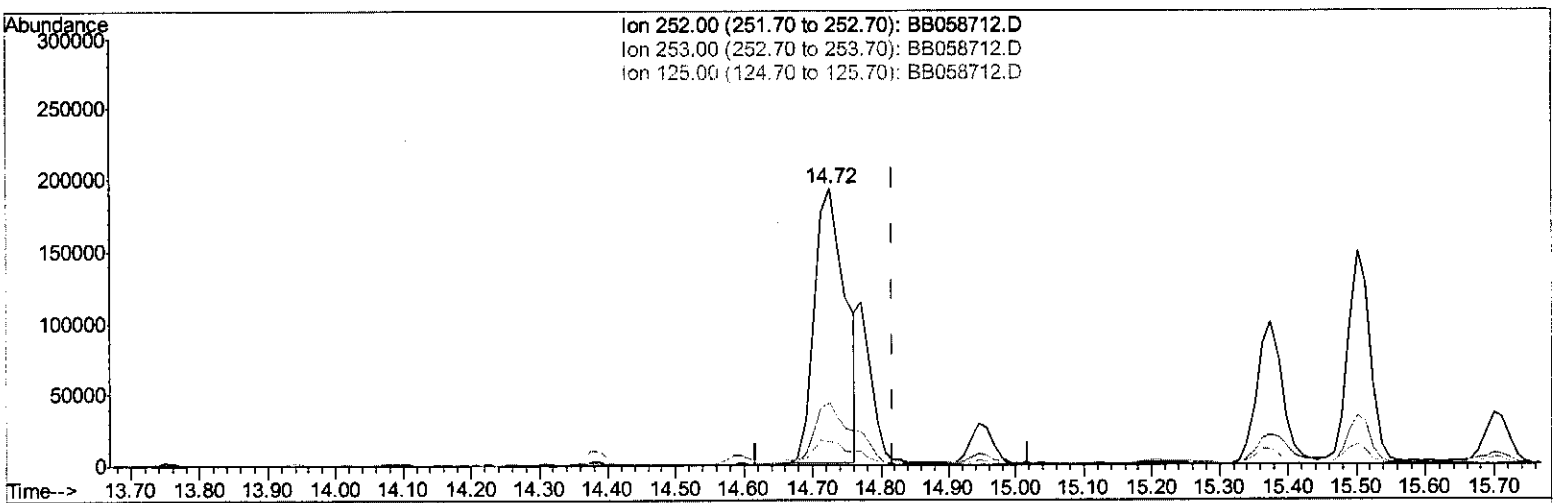
Quantitation Report (Qedit)

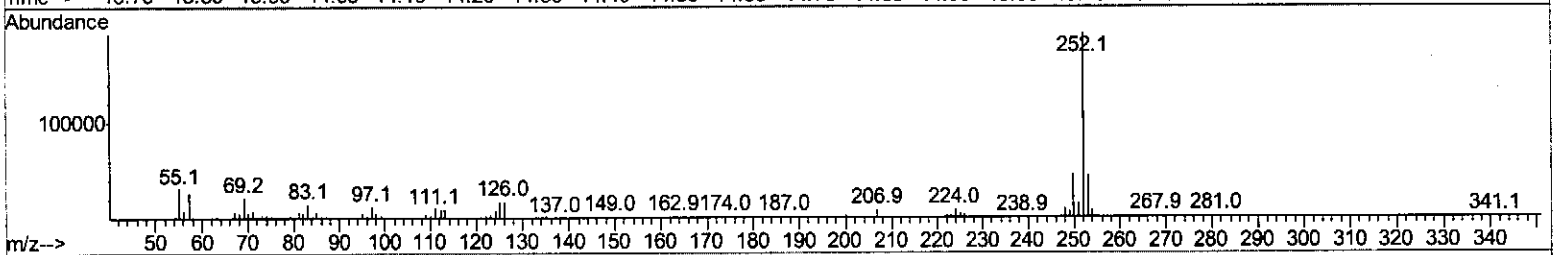
Data Path : Z:\HPCHEM1\BNA B\DATA\BB030917\
Data File : BB058712.D
Acq On : 9 Mar 2017 16:09
Operator : UM/SJ
Sample : I2107-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

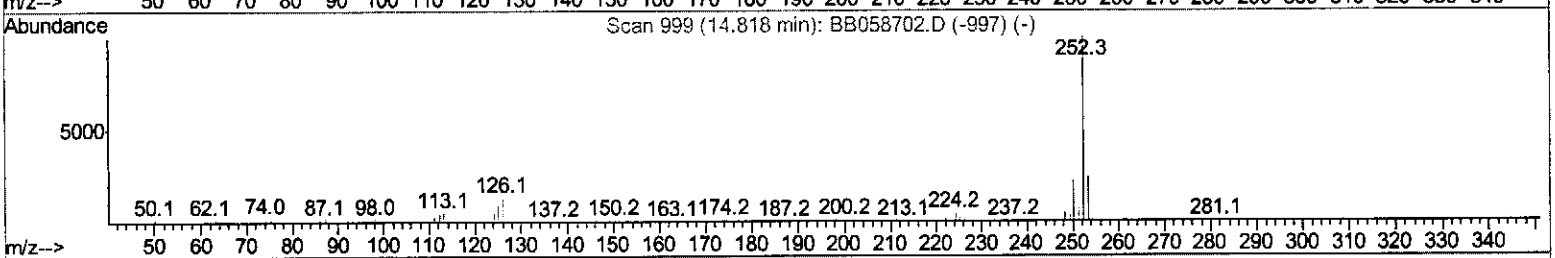
Quant Time: Mar 15 14:41:08 2017
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM-EPA-BB030917-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 14:21:30 2017
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
C0AJ5

Manual Integrations APPROVED
mohammad
3/15/2017 5:08:55 PM







TIC: BB058712.D

(25) Benzo(k)fluoranthene

14.725min (-0.094) 9.36ng/ul

response 606769

Ion	Exp%	Act%
252.00	100	100
253.00	22.80	22.73
125.00	8.70	8.86
0.00	0.00	0.00

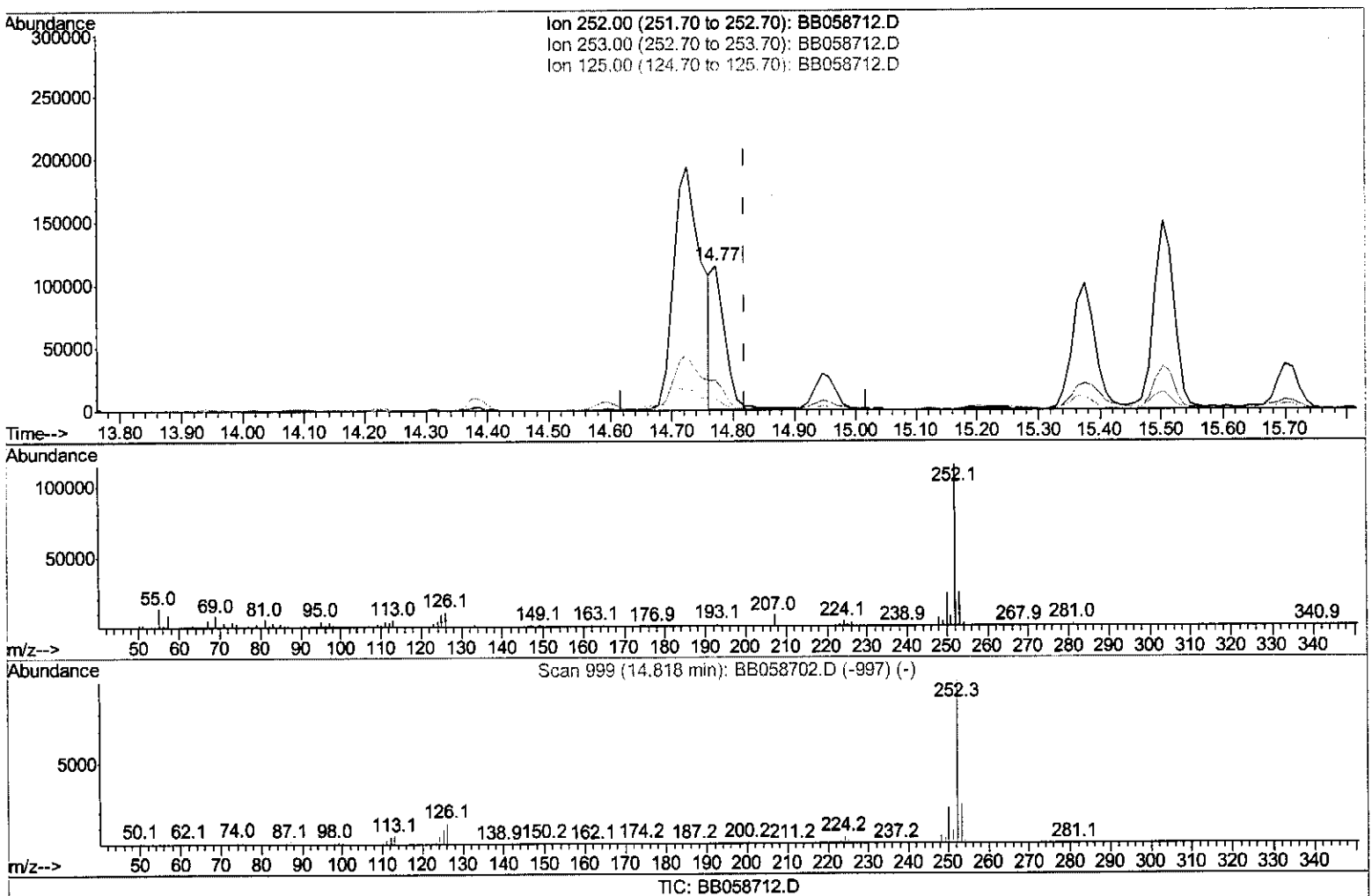
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA B\DATA\BB030917\
Data File : BB058712.D
Acq On : 9 Mar 2017 16:09
Operator : UM/SJ
Sample : I2107-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 14:41:08 2017
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM-EPA-BB030917-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 14:21:30 2017
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
C0AJ5

Manual Integrations APPROVED
mohammad
3/15/2017 5:08:55 PM



TIC: BB058712.D

(25) Benzo(k)fluoranthene

14.771min (-0.047) 2.44ng/ul m SJ 3/15/17

response 158152

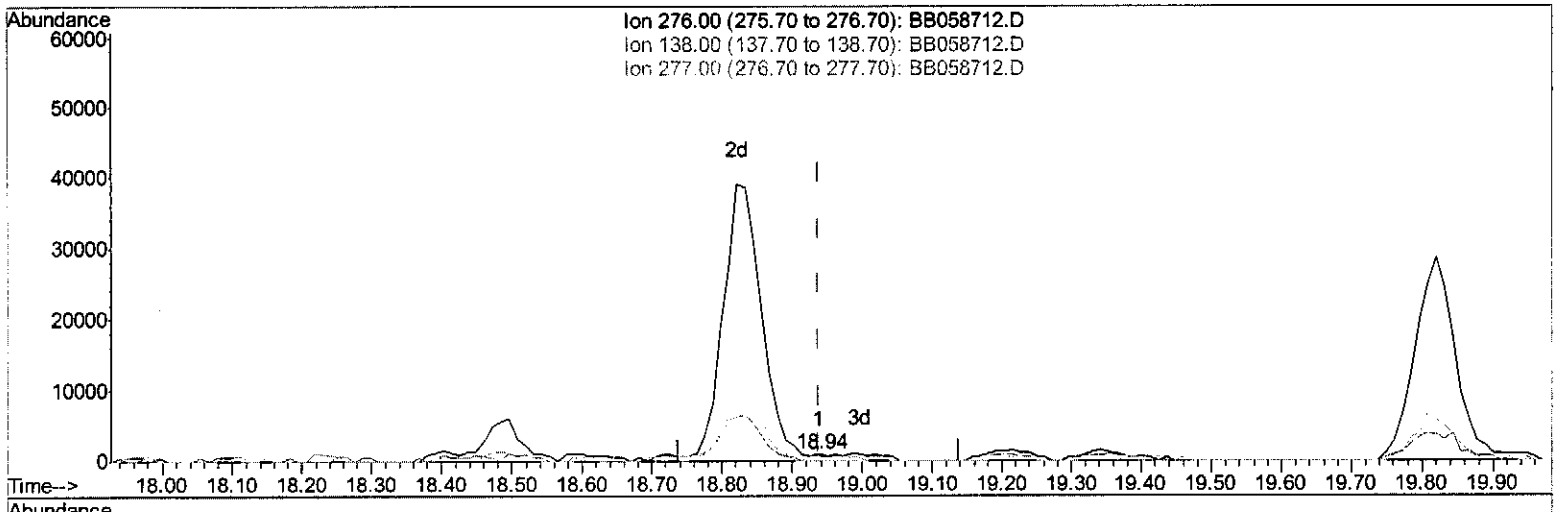
Ion	Exp%	Act%
252.00	100	100
253.00	22.80	20.91
125.00	8.70	8.19
0.00	0.00	0.00

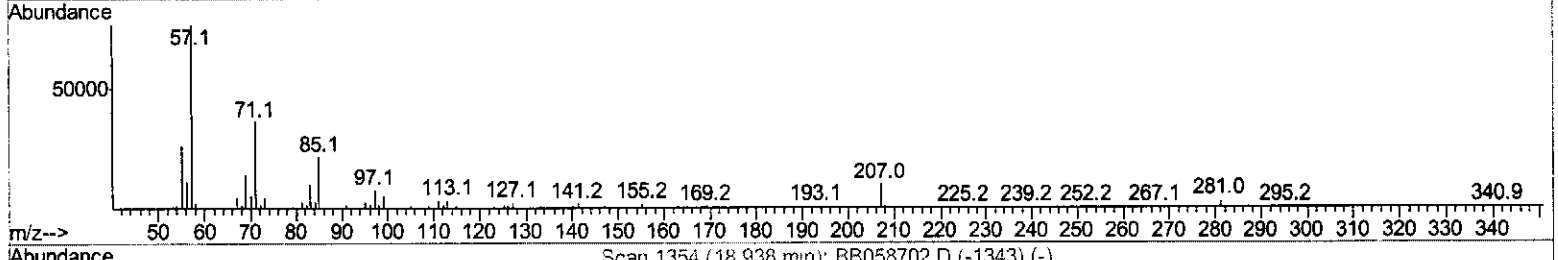
Data Path : Z:\HPCHEM1\BNA B\DATA\BB030917\
Data File : BB058712.D
Acq On : 9 Mar 2017 16:09
Operator : UM/SJ
Sample : I2107-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

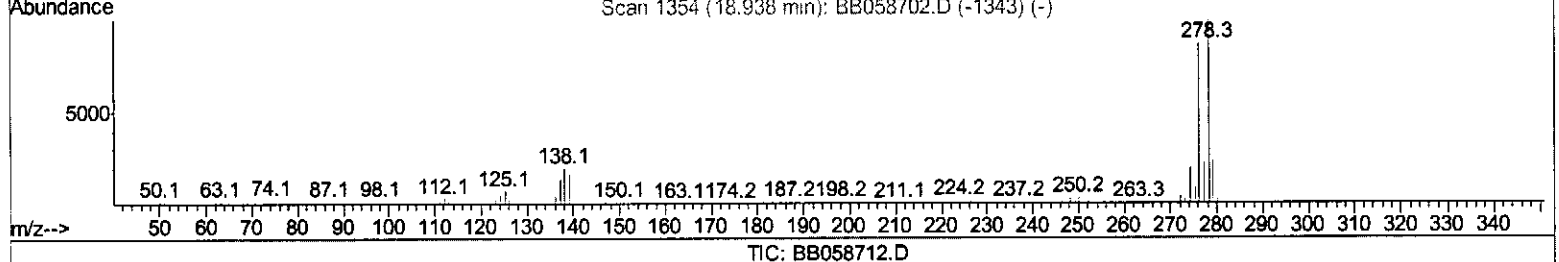
Quant Time: Mar 15 14:41:08 2017
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM-EPA-BB030917-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 14:21:30 2017
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
C0AJ5

Manual Integrations APPROVED
mohammad
3/15/2017 5:08:55 PM







TIC: BB058712.D

(28) Indeno(1,2,3-cd)pyrene

18.937min (-0.001) 0.01ng/ul

response 414

Ion	Exp%	Act%
276.00	100	100
138.00	22.80	63.88#
277.00	26.10	0.00#
0.00	0.00	0.00

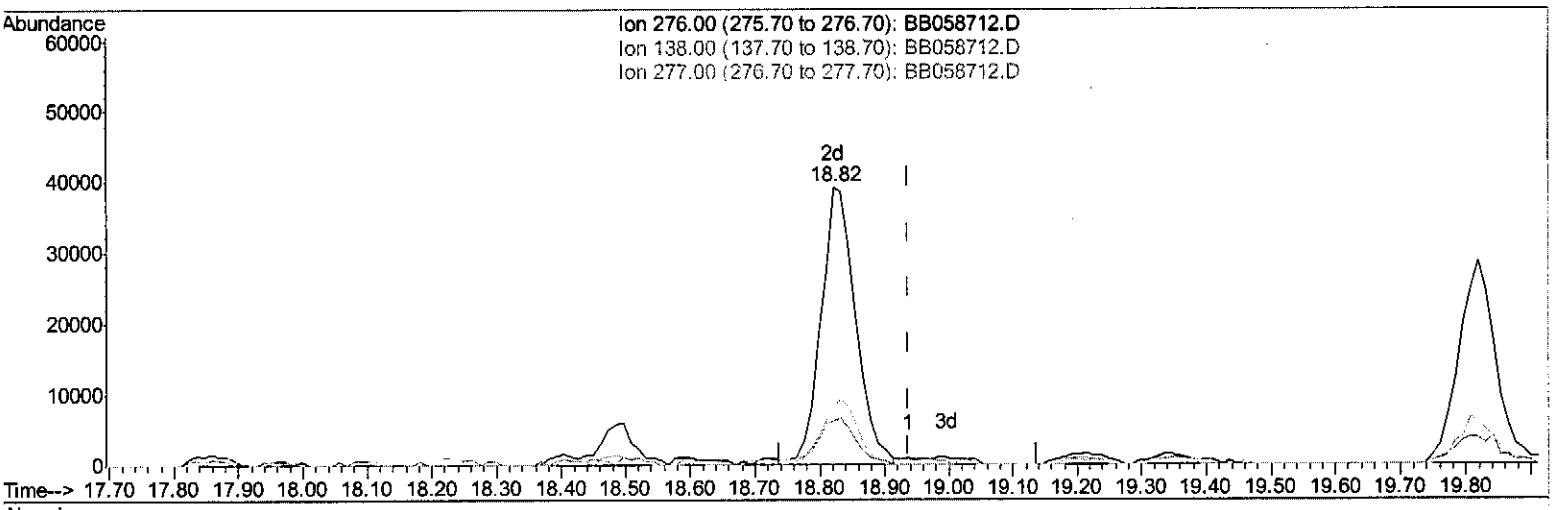
Quantitation Report (Qedit)

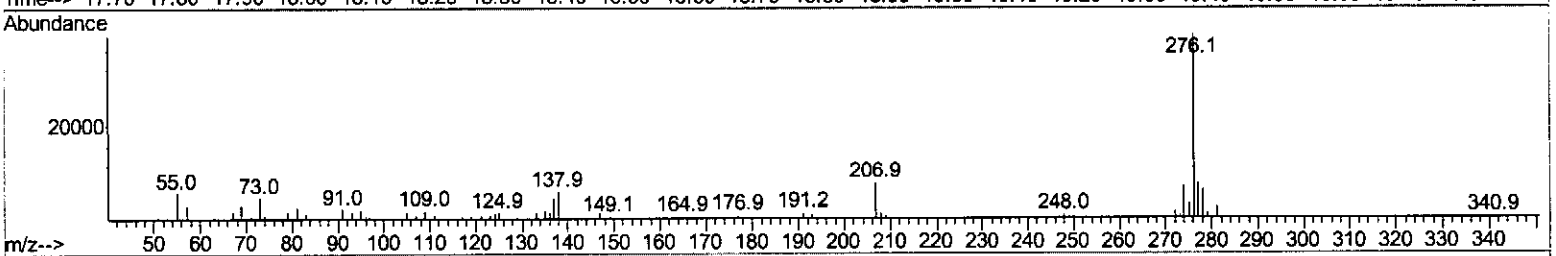
Data Path : Z:\HPCHEM1\BNA B\DATA\BB030917\
Data File : BB058712.D
Acq On : 9 Mar 2017 16:09
Operator : UM/SJ
Sample : I2107-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

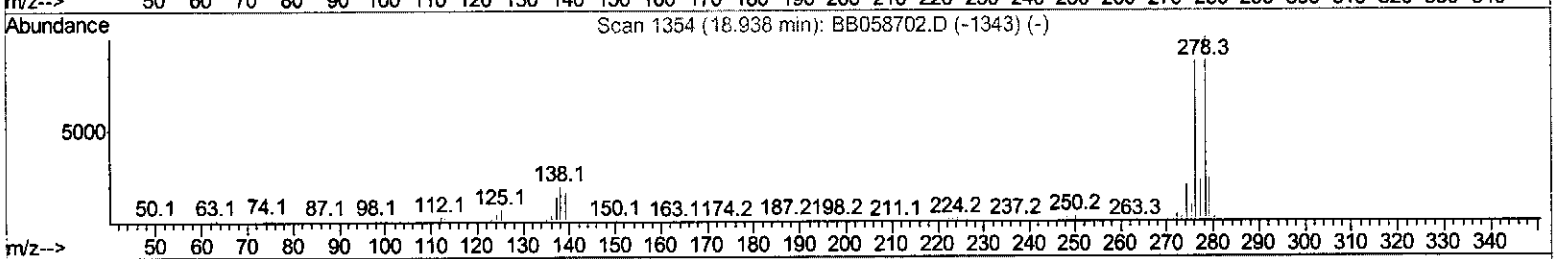
Quant Time: Mar 15 14:41:08 2017
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM-EPA-BB030917-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 14:21:30 2017
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
C0AJ5

Manual Integrations APPROVED
mohammad
3/15/2017 5:08:55 PM







TIC: BB058712.D

(28) Indeno(1,2,3-cd)pyrene

18.821min (-0.117) 2.49ng/ul m SJ 3/15/17

response 151565

Ion	Exp%	Act%
276.00	100	100
138.00	22.80	15.75#
277.00	26.10	20.36#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA B\DATA\BB030917\
Data File : BB058712.D
Acq On : 9 Mar 2017 16:09
Operator : UM/SJ
Sample : I2107-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_B
ClientSampleId :
C0AJ5

Manual Integrations APPROVED
mohammad
3/15/2017 5:08:55 PM

Quant Time: Mar 15 14:44:58 2017
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM-EPA-BB030917-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 15 14:21:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	4.87	152	365426	20.00	ng/ul	-0.02
2) Naphthalene-d8	6.15	136	1342183	20.00	ng/ul	-0.02
6) Acenaphthene-d10	8.02	164	900355	20.00	ng/ul	-0.02
12) Phenanthrene-d10	9.62	188	1805001	20.00	ng/ul	-0.02
18) Chrysene-d12	12.74	240	1652226	20.00	ng/ul	-0.04
23) Perylene-d12	15.64	264	1209389	20.00	ng/ul	-0.05
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	5.95	165	666733	26.07	ng/uL	-0.04
7) Acenaphthylene-d8	7.85	160	2383705	33.98	ng/ul	-0.02
10) Fluorene-d10	8.57	176	1763012	30.93	ng/ul	-0.01
15) Anthracene-d10	9.68	188	2458887	30.62	ng/ul	-0.02
19) Pyrene-d10	11.17	212	2524049	33.59	ng/ul	-0.02
26) Benzo(a)pyrene-d12	15.44	264	1722100	31.83	ng/ul	-0.05
Target Compounds						Qvalue
4) Naphthalene	6.17	128	70923	1.08	ng/ul#	73
5) 2-Methylnaphthalene	6.88	142	60891	1.24	ng/ul	100
14) Phenanthrene	9.64	178	339643	3.79	ng/ul	98
17) Fluoranthene	10.93	202	915676	10.94	ng/ul#	86
20) Pyrene	11.20	202	832367	9.05	ng/ul#	91
21) Benzo(a)anthracene	12.72	228	458577	5.29	ng/ul	96
22) Chrysene	12.79	228	414947	5.25	ng/ul	97
24) Benzo(b)fluoranthene	14.72	252	606769	8.19	ng/ul	98
25) Benzo(k)fluoranthene	14.77	252	158152m	2.44	ng/ul	
27) Benzo(a)pyrene	15.50	252	335223	5.04	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	18.82	276	151565m	2.49	ng/ul	
30) Benzo(g,h,i)perylene	19.82	276	111622	2.35	ng/ul#	91

SJ 3/15/17

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