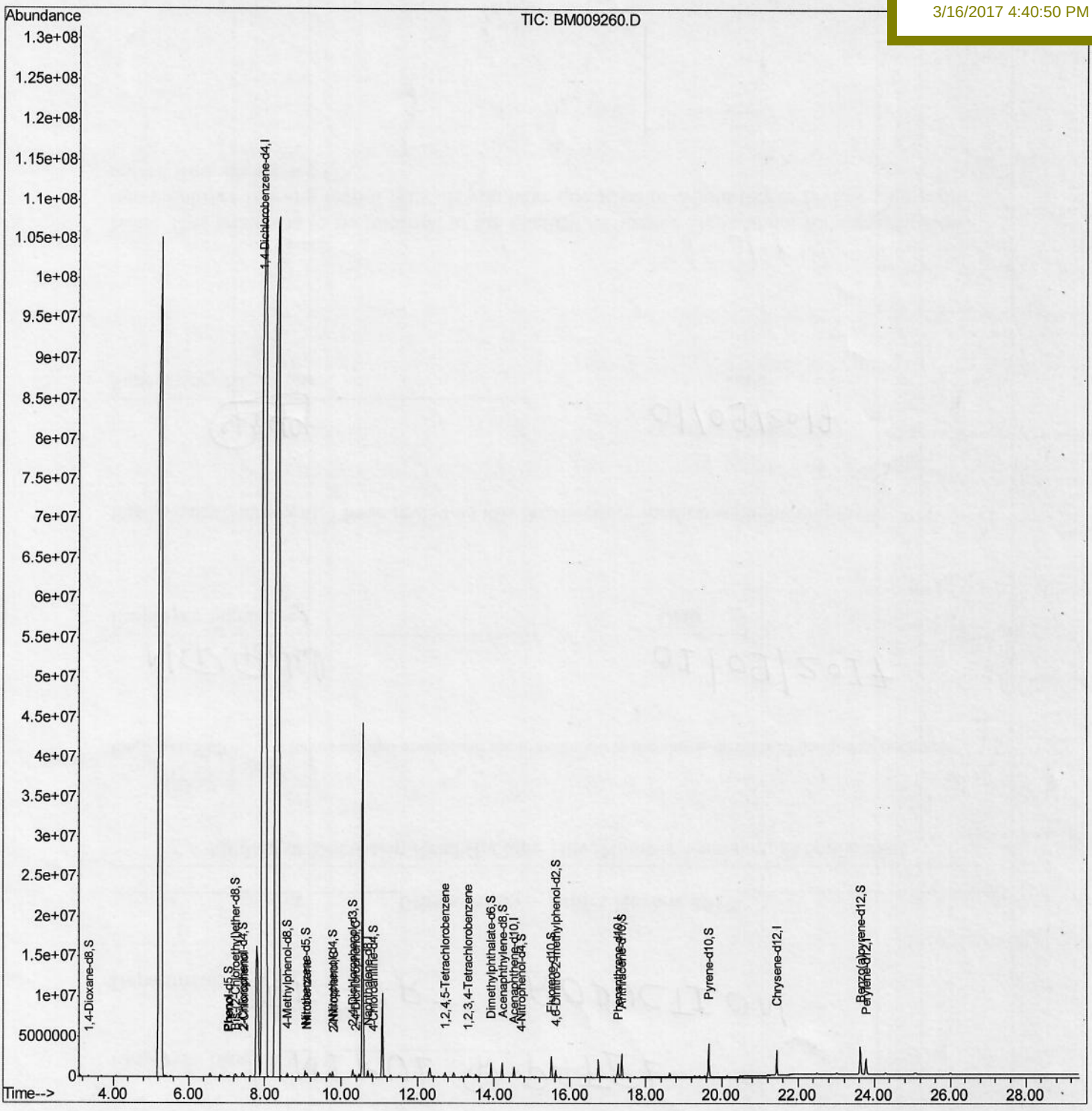
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 16 01:25:07 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM



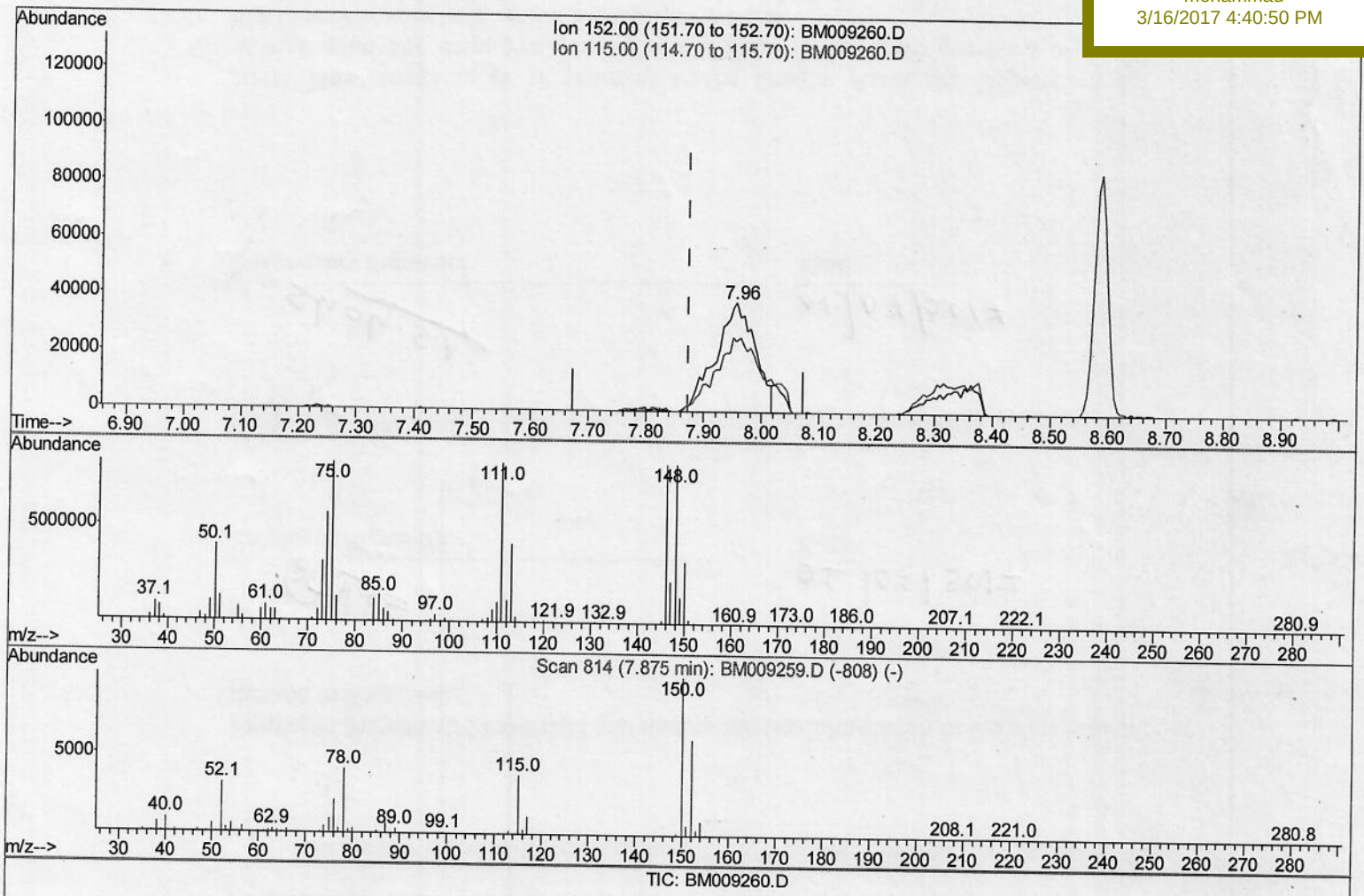
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 16 01:22:55 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM



TIC: BM009260.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.957min (+0.083) 20.00ng/ul

response 183127

Ion	Exp%	Act%
152.00	100	100
115.00	63.00	65.03
0.00	0.00	0.00
0.00	0.00	0.00

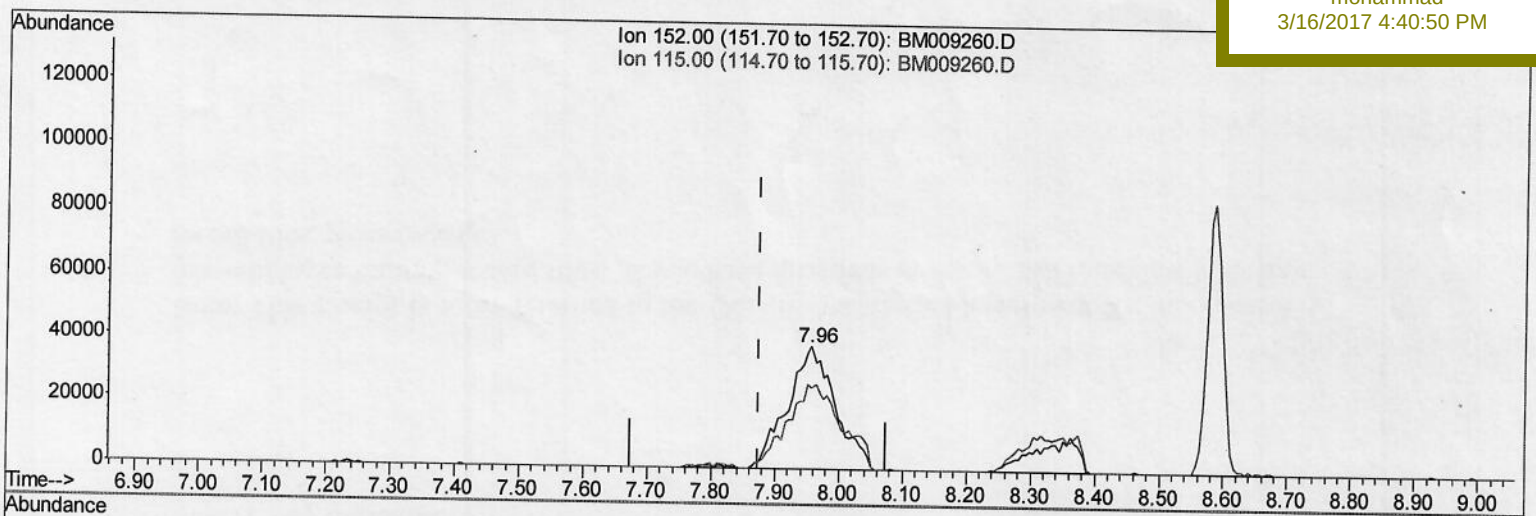
Quantitation Report (Qedit)

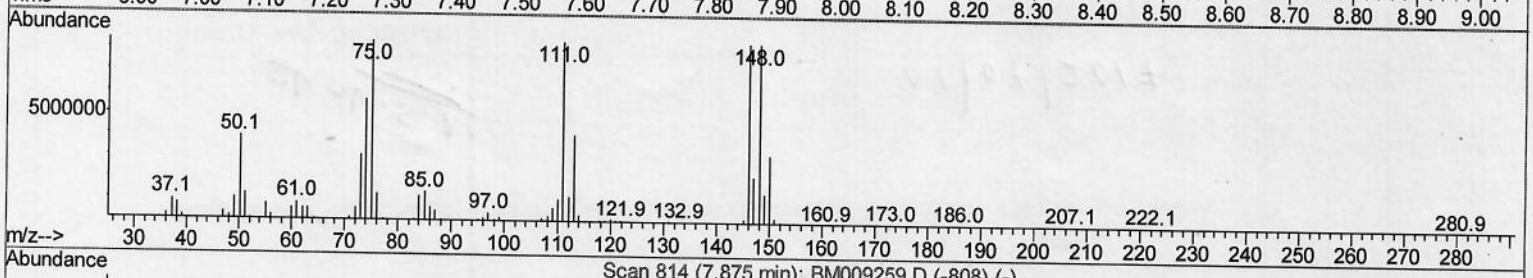
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

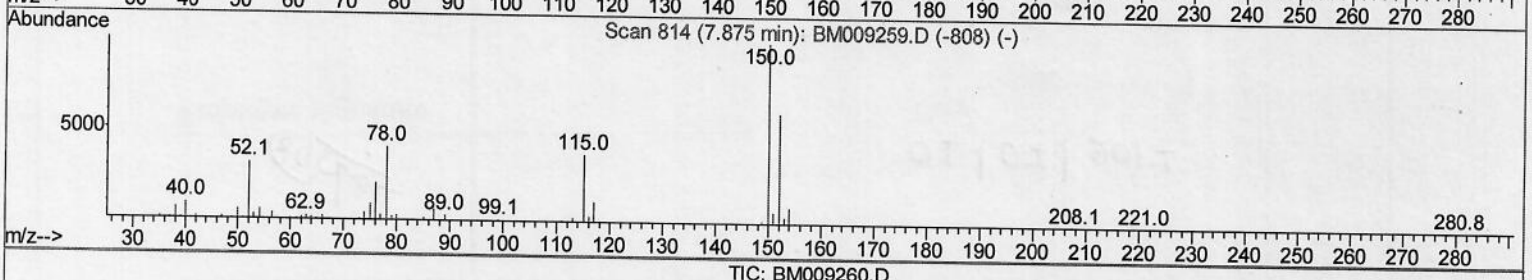
Quant Time: Mar 16 01:22:55 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM







TIC: BM009260.D

(1) 1,4-Dichlorobenzene-d4 (I)

7.957min (+0.083) 20.00ng/ul m

response 196520

SJ
03/18/2017

Ion	Exp%	Act%
152.00	100	100
115.00	63.00	65.03
0.00	0.00	0.00
0.00	0.00	0.00

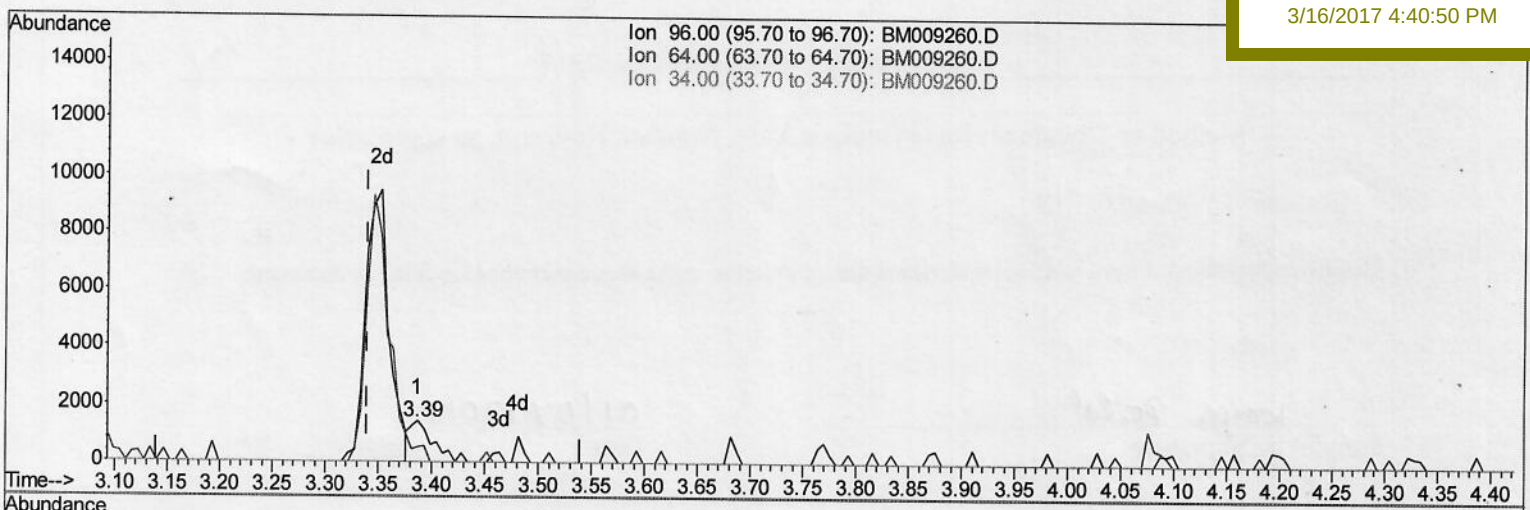
Quantitation Report (Qedit)

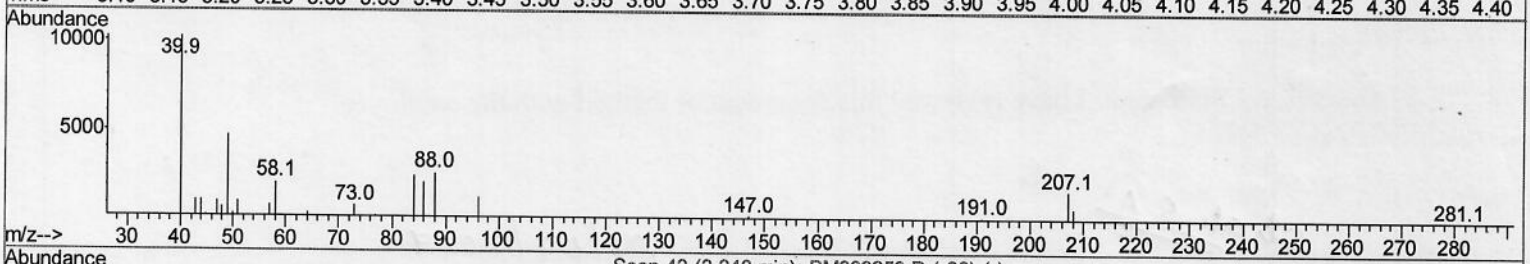
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

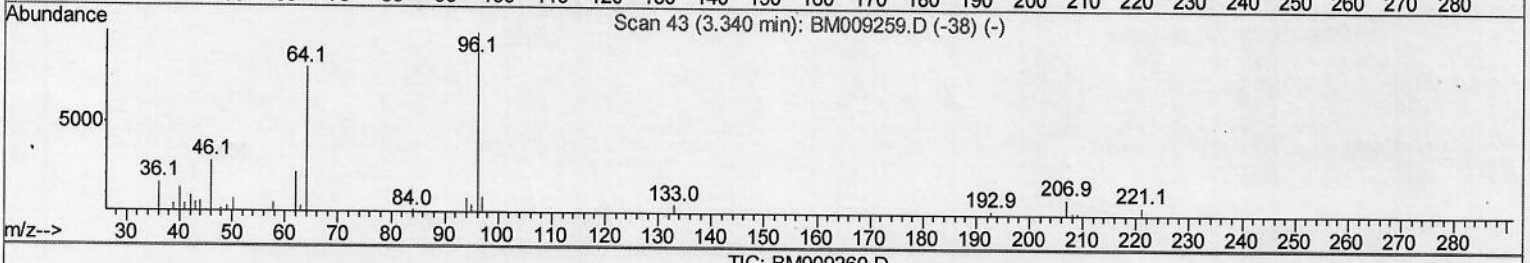
Quant Time: Mar 16 01:23:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM







TIC: BM009260.D

(3) 1,4-Dioxane-d8 (S)

3.387min (+0.047) 0.46ng/uL

response 2060

Ion	Exp%	Act%
96.00	100	100
64.00	67.80	18.59#
34.00	0.00	0.00
0.00	0.00	0.00

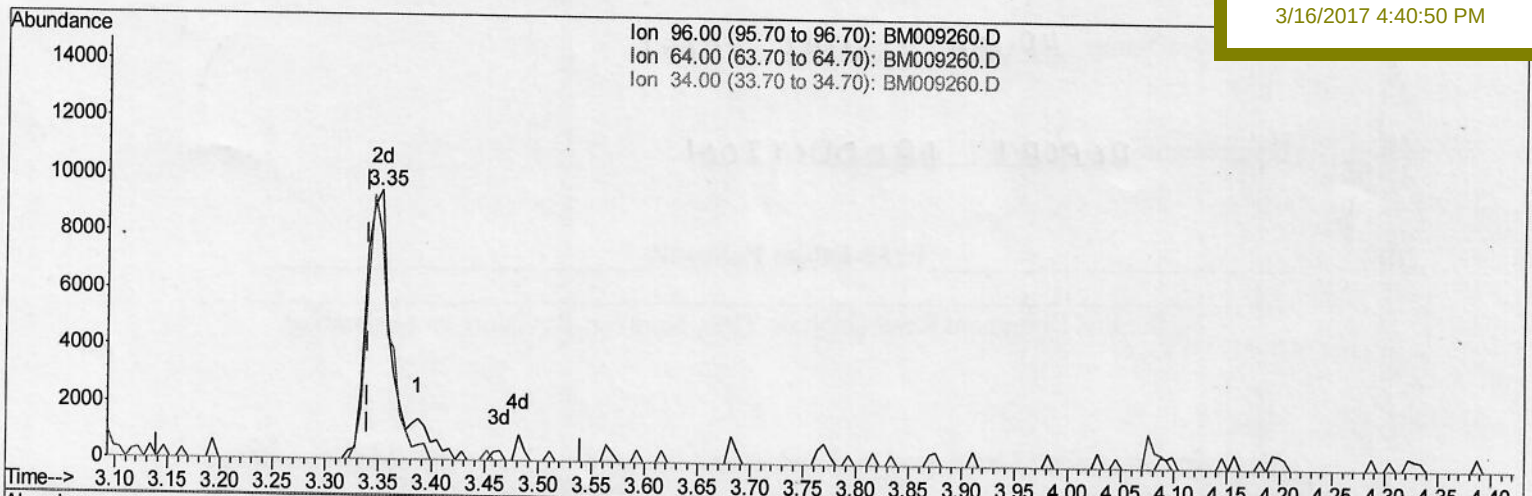
Quantitation Report (Qedit)

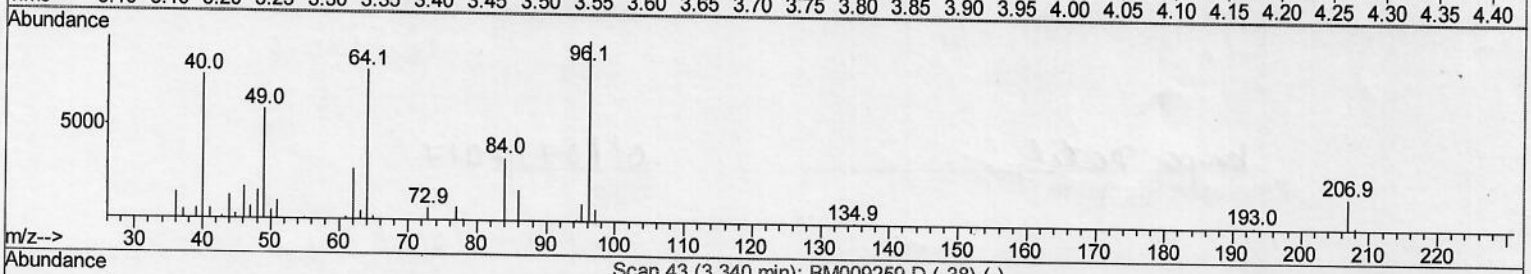
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

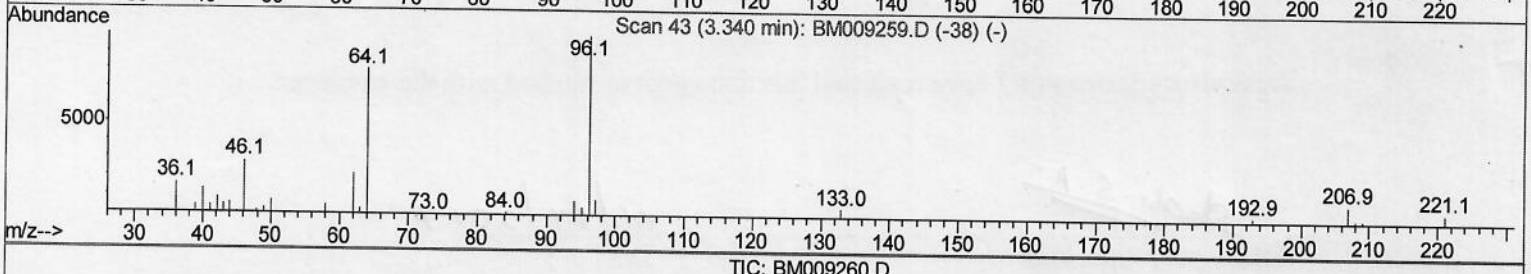
Quant Time: Mar 16 01:23:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM







TIC: BM009260.D

(3) 1,4-Dioxane-d8 (S)

3.352min (+0.012) 3.59ng/uL m

SJ
03/18/2017

response 15999

Ion	Exp%	Act%
96.00	100	100
64.00	67.80	2.39#
34.00	0.00	0.00
0.00	0.00	0.00

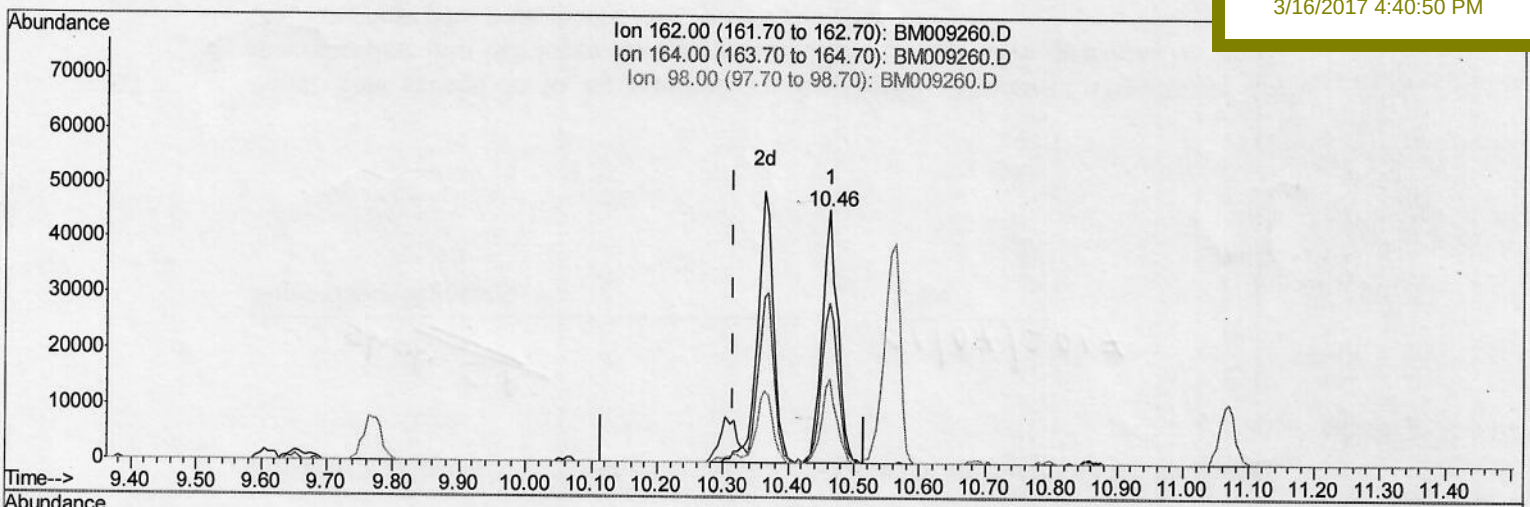
Quantitation Report (Qedit)

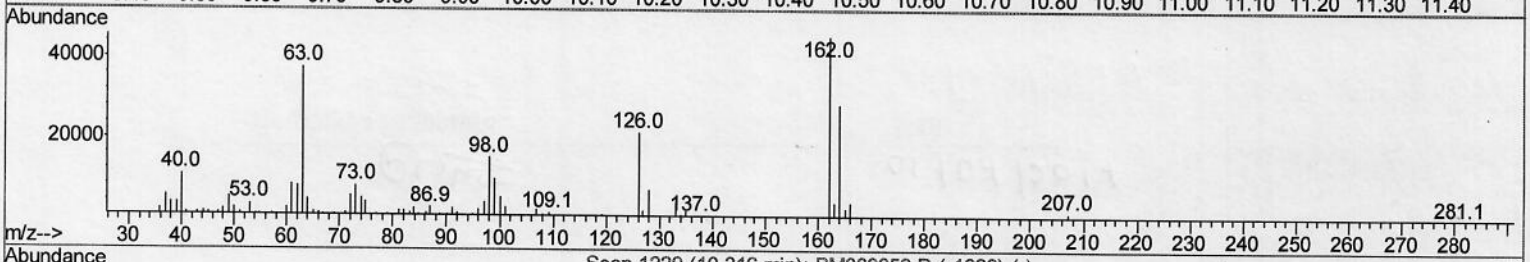
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

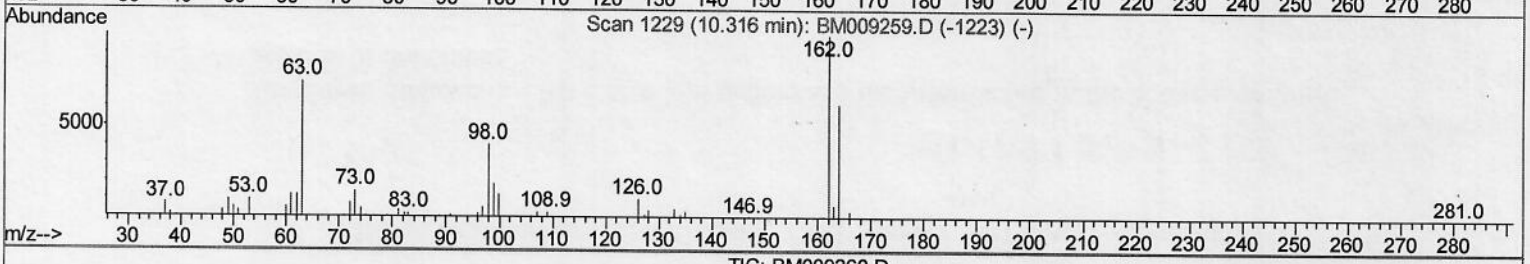
Quant Time: Mar 16 01:23:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM







TIC: BM009260.D

(27) 2,4-Dichlorophenol (C)

10.463min (+0.147) 7.68ng/ul

response 74596

Ion	Exp%	Act%
162.00	100	100
164.00	65.10	62.89
98.00	35.50	33.24
0.00	0.00	0.00

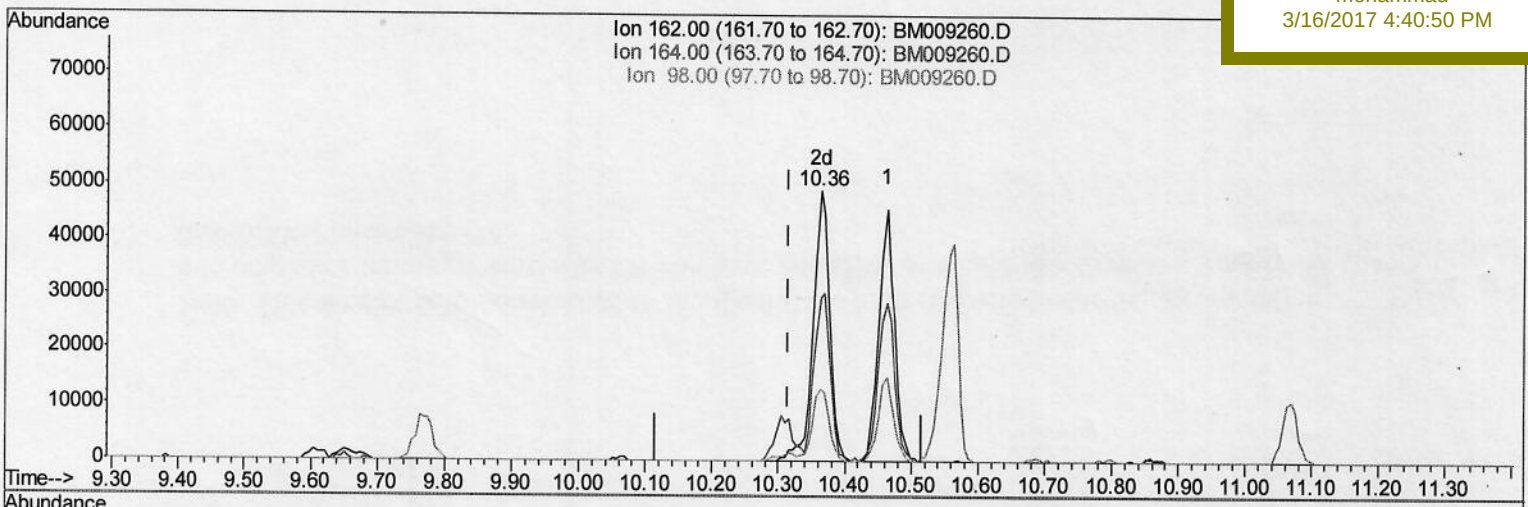
Quantitation Report (Qedit)

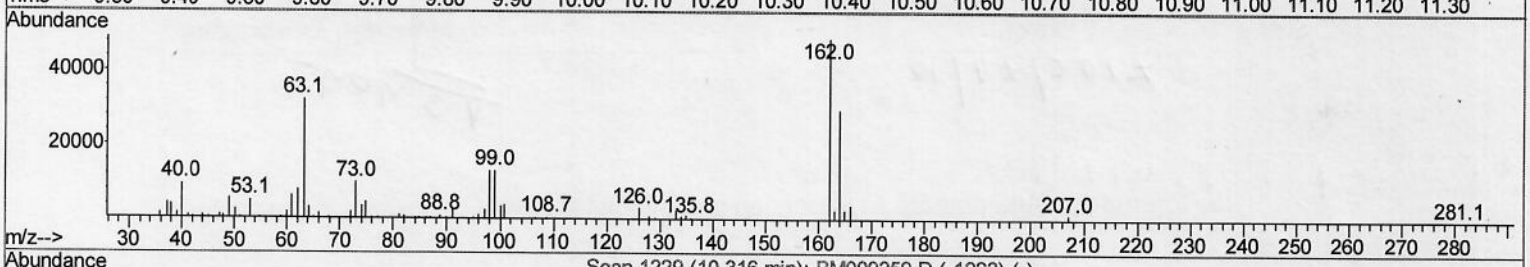
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

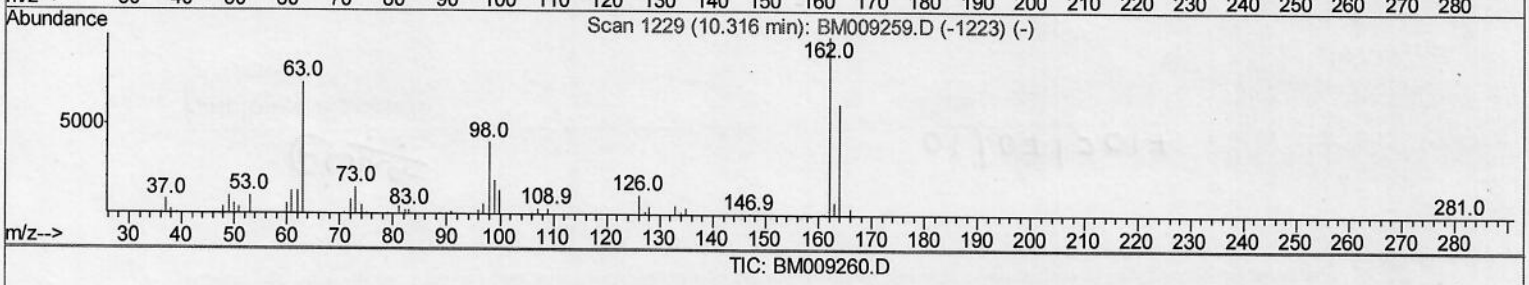
Quant Time: Mar 16 01:23:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM







TIC: BM009260.D

(27) 2,4-Dichlorophenol (C)

10.363min (+0.047) 8.65ng/ul m

response 83987

SJ
03/16/2017

Ion	Exp%	Act%
162.00	100	100
164.00	65.10	60.27
98.00	35.50	26.30#
0.00	0.00	0.00

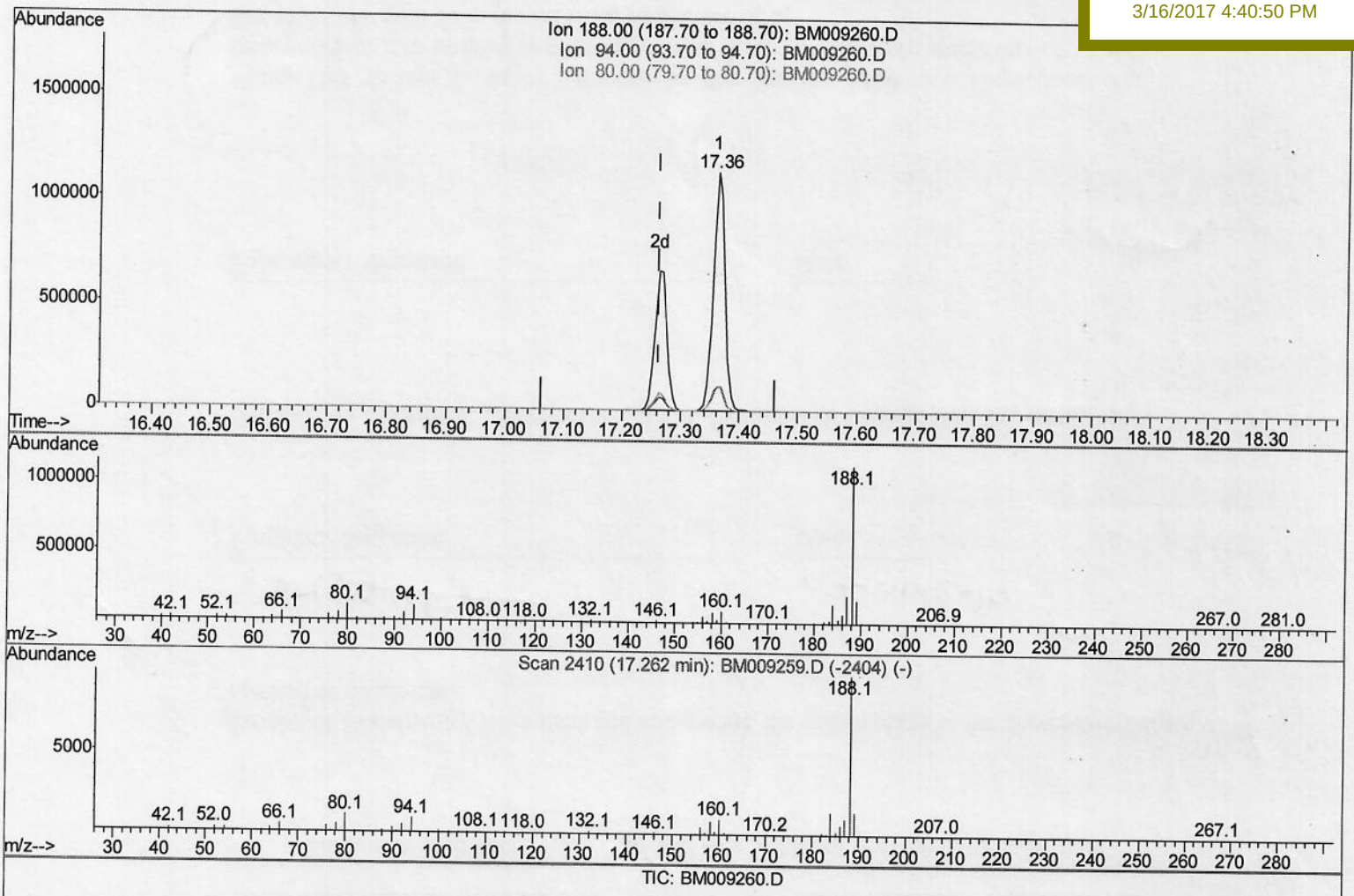
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 16 01:23:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM



TIC: BM009260.D

(61) Phenanthrene-d10 (I)

17.362min (+0.100) 20.00ng/ul

response 1582481

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	9.95
80.00	9.70	10.16
0.00	0.00	0.00

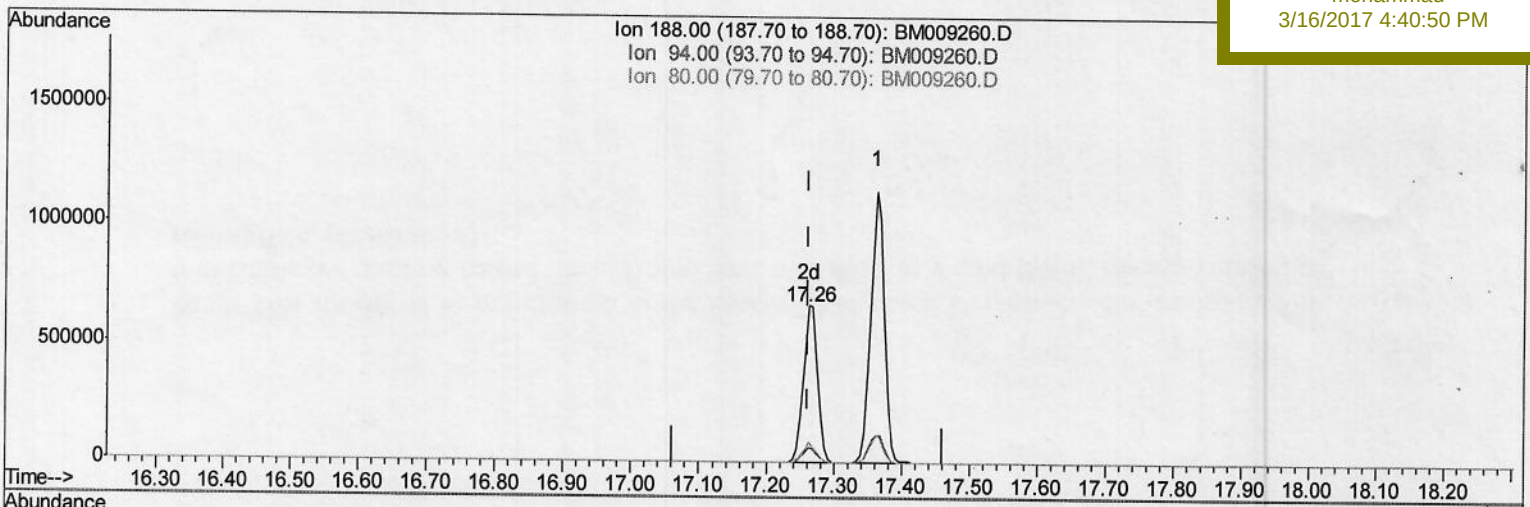
Quantitation Report (Qedit)

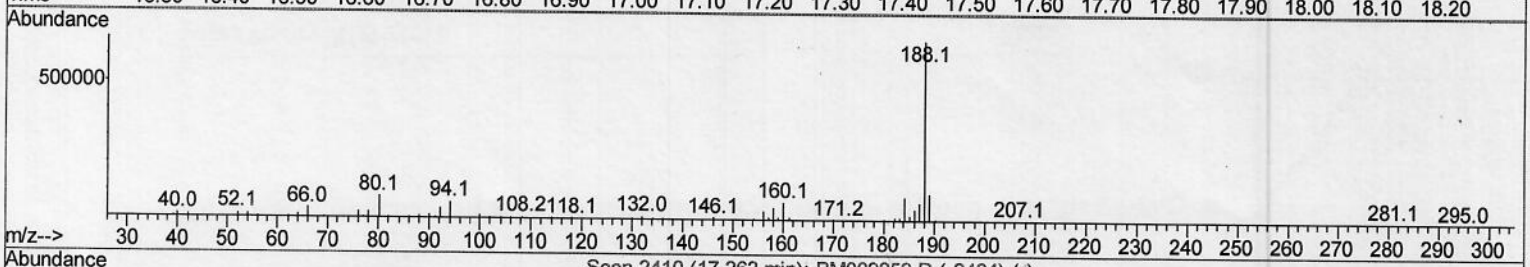
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

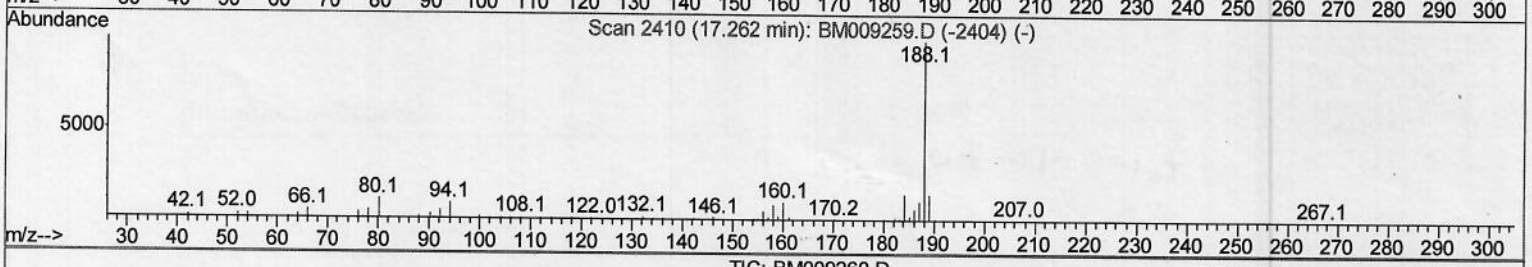
Quant Time: Mar 16 01:23:09 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM







TIC: BM009260.D

(61) Phenanthrene-d10 (I)

17.262min (+0.000) 20.00ng/ul m

response 957083

SJ
03/18/2017

Ion	Exp%	Act%
188.00	100	100
94.00	9.00	9.20
80.00	9.70	12.17#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031517\
Data File : BM009260.D
Acq On : 15 Mar 2017 11:32
Operator : SJ/MA
Sample : I2235-02RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0BK7RE

Manual Integrations APPROVED
mohammad
3/16/2017 4:40:50 PM

Quant Time: Mar 16 01:25:07 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\SOM-EPA-BM031317MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 16 01:18:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	196520m	20.00	ng/ul	0.08
18) Naphthalene-d8	10.69	136	579448	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.52	164	363392	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.26	188	957083m	20.00	ng/ul	0.00
77) Chrysene-d12	21.44	240	1437371	20.00	ng/ul	0.00
85) Perylene-d12	23.78	264	1464331	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.35	96	15999m	3.59	ng/uL	0.01
5) Phenol-d5	7.04	99	76672	3.61	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.24	67	266939	19.28	ng/ul	0.04
9) 2-Chlorophenol-d4	7.42	132	210818	16.23	ng/ul	0.02
13) 4-Methylphenol-d8	8.59	113	149010	8.79	ng/ul	0.01
19) Nitrobenzene-d5	9.06	128	136629	33.02	ng/ul	0.01
22) 2-Nitrophenol-d4	9.77	143	146642	31.93	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.30	165	279610	28.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.82	131	16643	1.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.93	166	1044717	37.85	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	1230082	38.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.71	143	29792	5.44	ng/ul	0.00
57) Fluorene-d10	15.51	176	919998	37.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	162238	28.33	ng/ul	0.00
70) Anthracene-d10	17.36	188	1582481	34.94	ng/ul	0.00
78) Pyrene-d10	19.66	212	2027602	34.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.63	264	2408916	35.96	ng/ul	0.00
Target Compounds						Qvalue
6) Phenol	7.07	94	28246	1.24	ng/ul#	70
10) 2-Chlorophenol	7.45	128	58823	4.39	ng/ul#	76
20) Nitrobenzene	9.10	77	231956	16.81	ng/ul#	82
23) 2-Nitrophenol	9.80	139	6068	1.21	ng/ul#	81
27) 2,4-Dichlorophenol	10.36	162	83987m	8.65	ng/ul	
36) 1,2,4,5-Tetrachlorobenzene	12.70	216	74845	6.85	ng/ul	99
72) 1,2,3,4-Tetrachlorobenzene	13.31	216	104666	9.31	ng/uL	97

SJ 03/18/2017

SJ 03/18/2017

SJ 03/18/2017

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