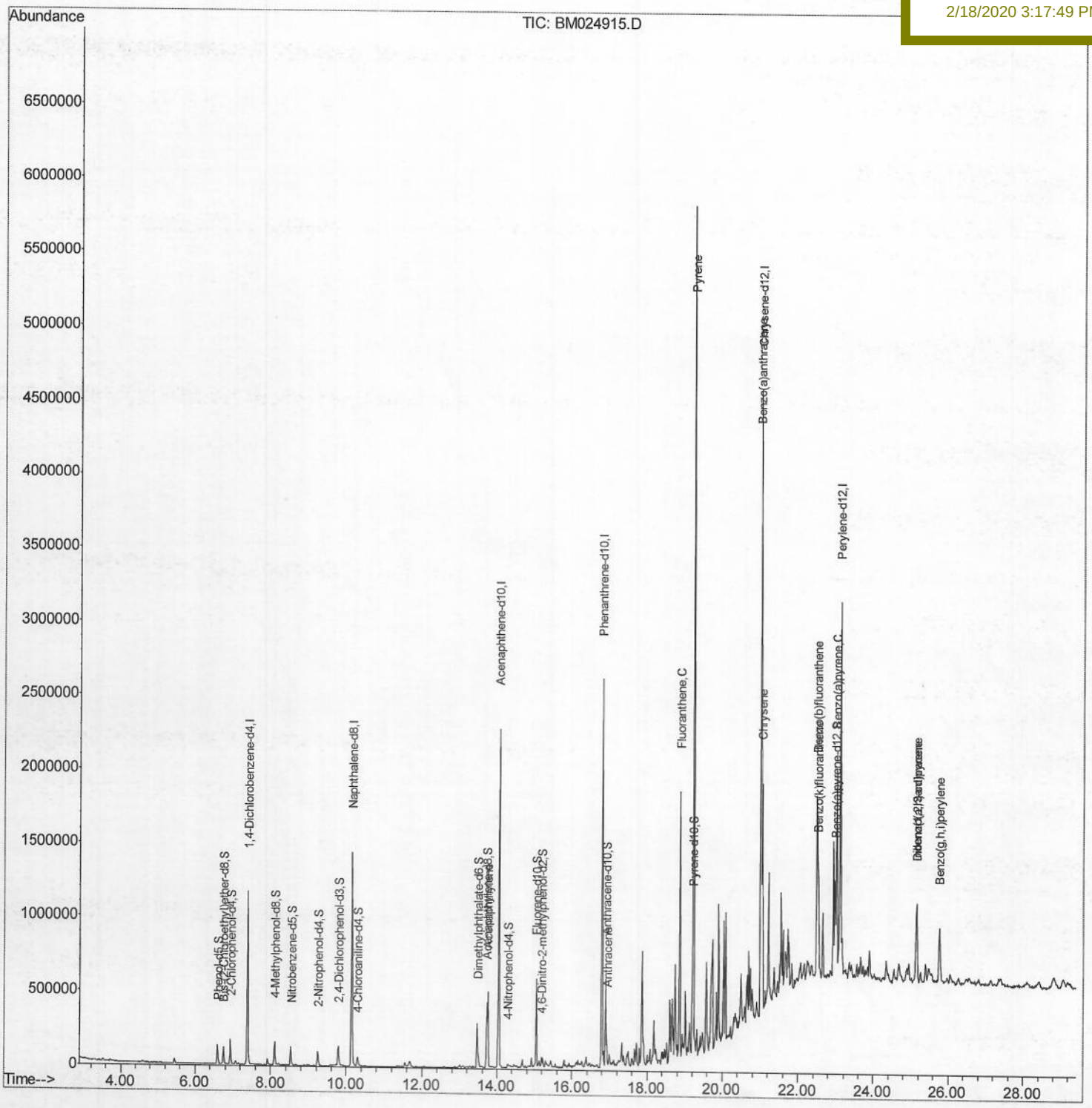
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 01:53:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM



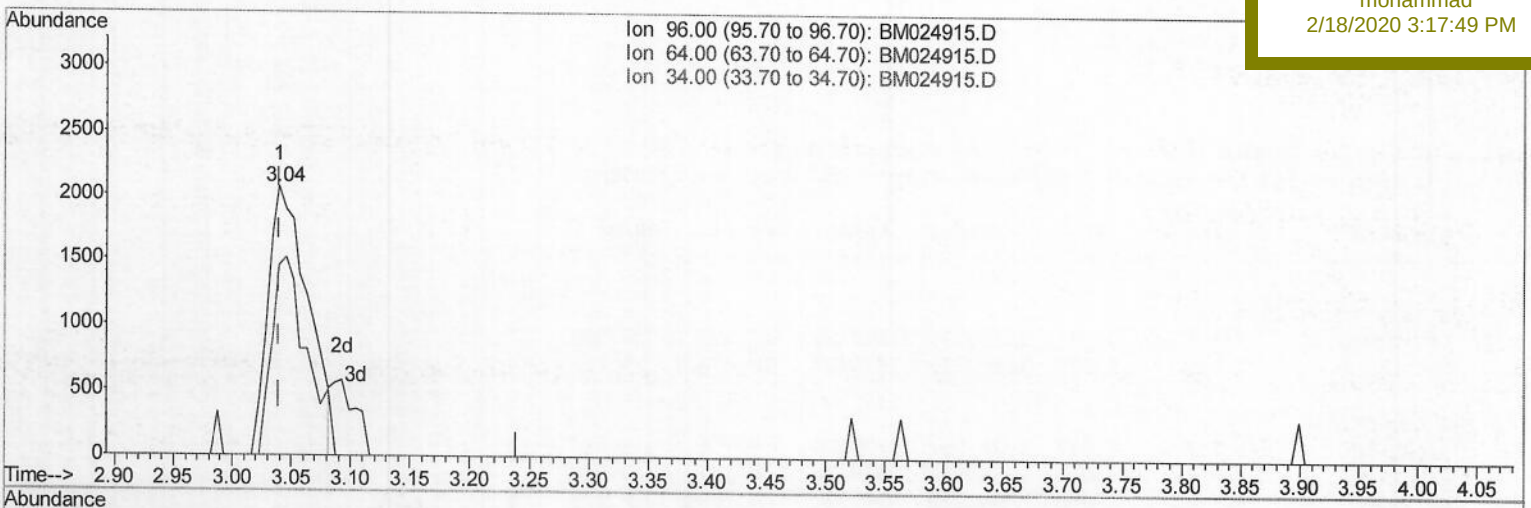
Quantitation Report (Qedit)

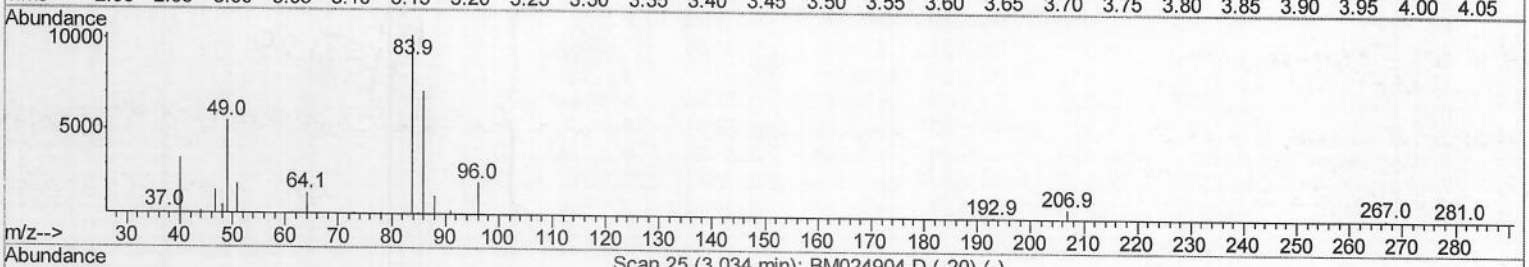
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

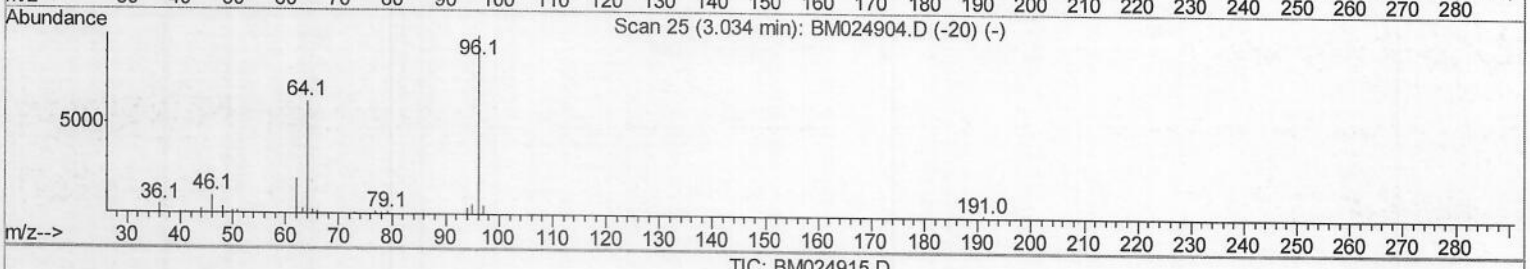
Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM







TIC: BM024915.D

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

3.040min (+0.000) 0.66ng/uL

response 4825

Ion	Exp%	Act%
96.00	100	100
64.00	67.10	70.20
34.00	0.00	0.00
0.00	0.00	0.00

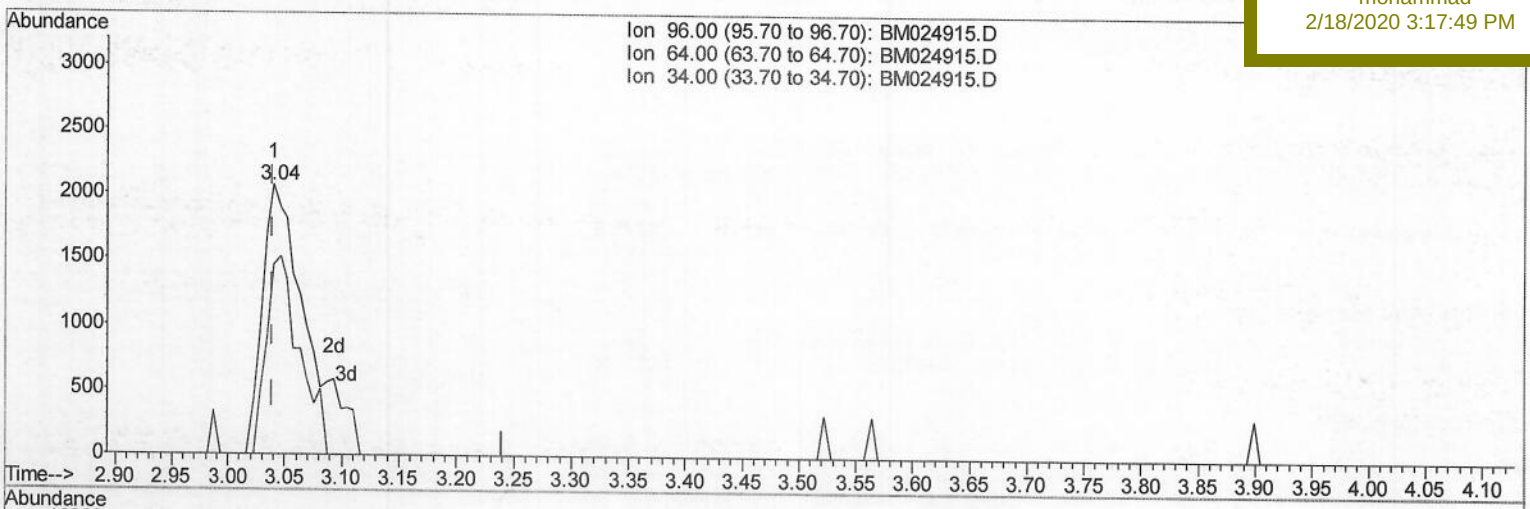
Quantitation Report (Qedit)

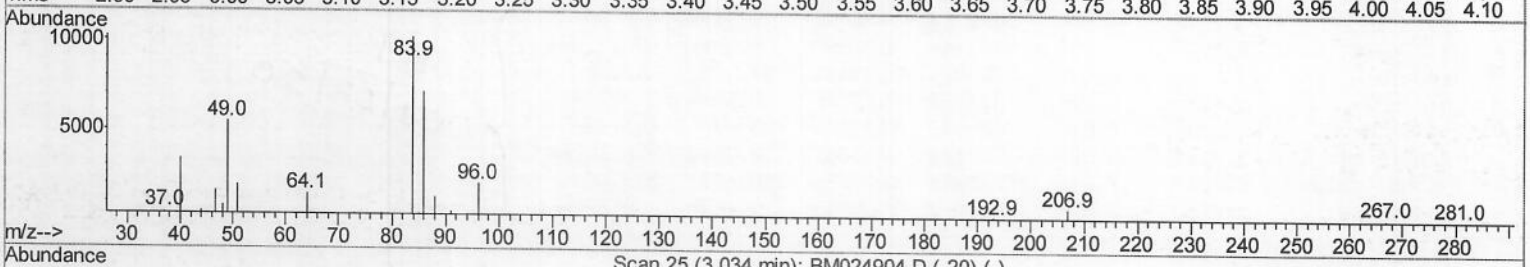
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

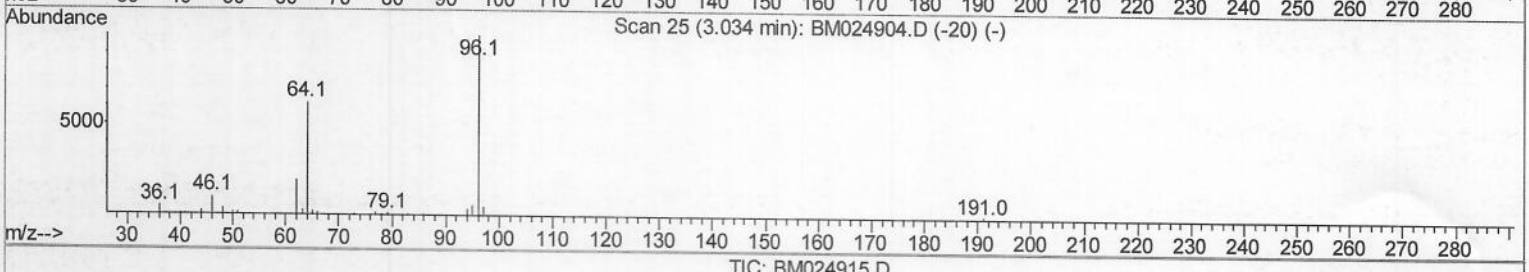
Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM







TIC: BM024915.D

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

3.040min (+0.000) 0.76ng/uL m >JG 02/18/20

response 5587

Ion	Exp%	Act%
96.00	100	100
64.00	67.10	70.20
34.00	0.00	0.00
0.00	0.00	0.00

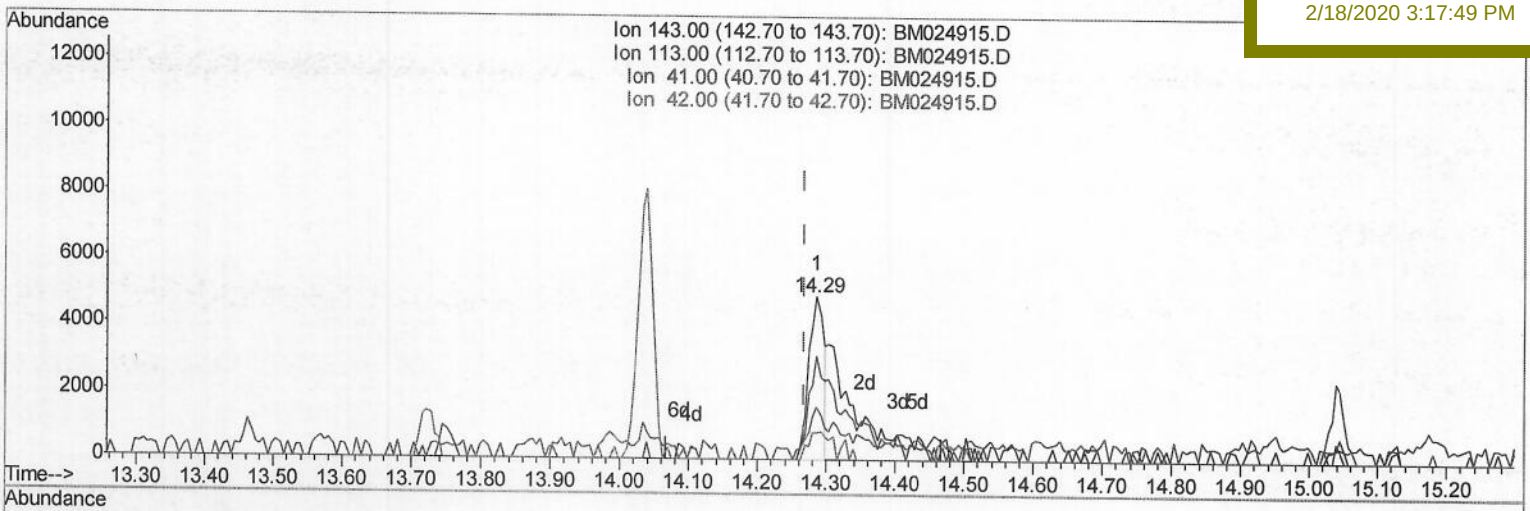
Quantitation Report (Qedit)

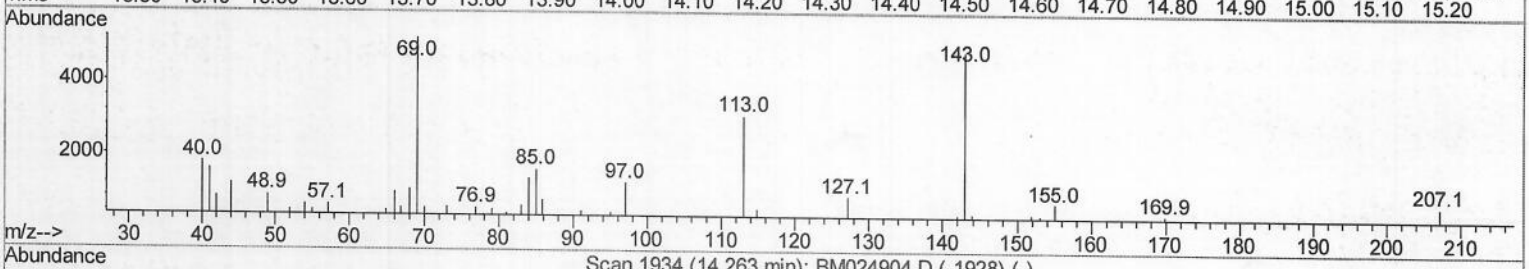
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

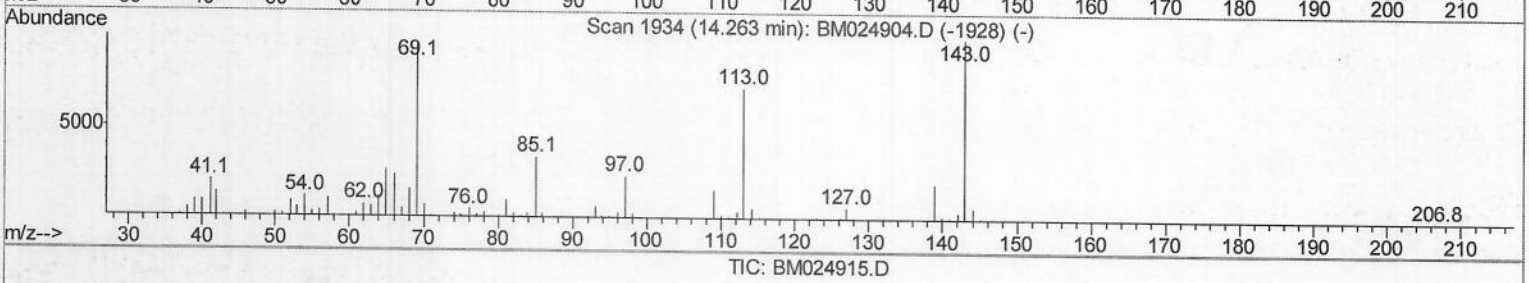
Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM







TIC: BM024915.D

(52) 4-Nitrophenol-d4 (S)

14.286min (+0.018) 0.82ng/ul

response 7631

Ion	Exp%	Act%
143.00	100	100
113.00	71.10	63.55
41.00	26.10	32.71#
42.00	18.80	16.32

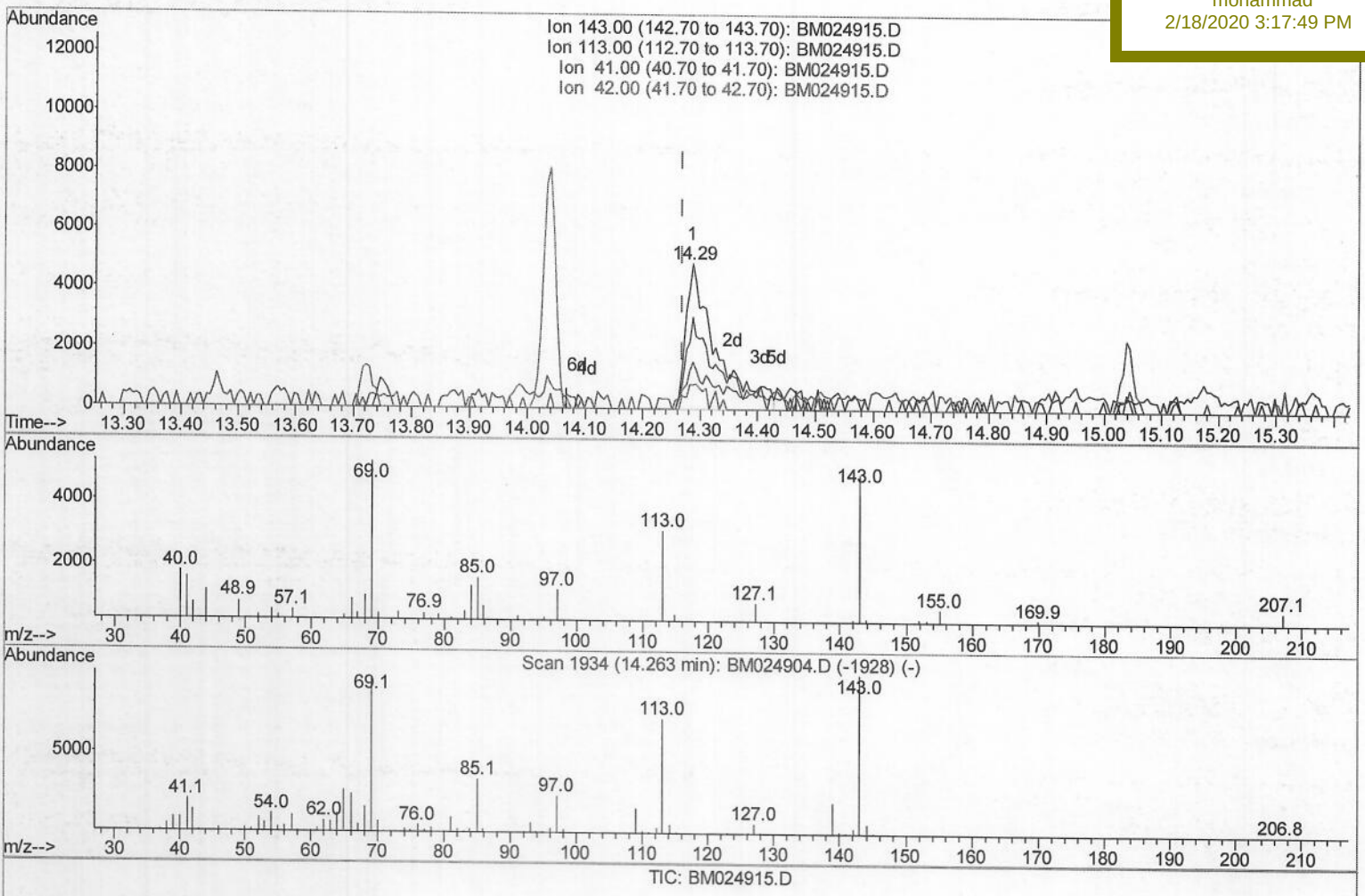
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM



TIC: BM024915.D

(52) 4-Nitrophenol-d4 (S)

14.286min (+0.018) 1.92ng/ul m JU 02/18/20

response 17880

Ion	Exp%	Act%
143.00	100	100
113.00	71.10	63.55
41.00	26.10	32.71#
42.00	18.80	16.32

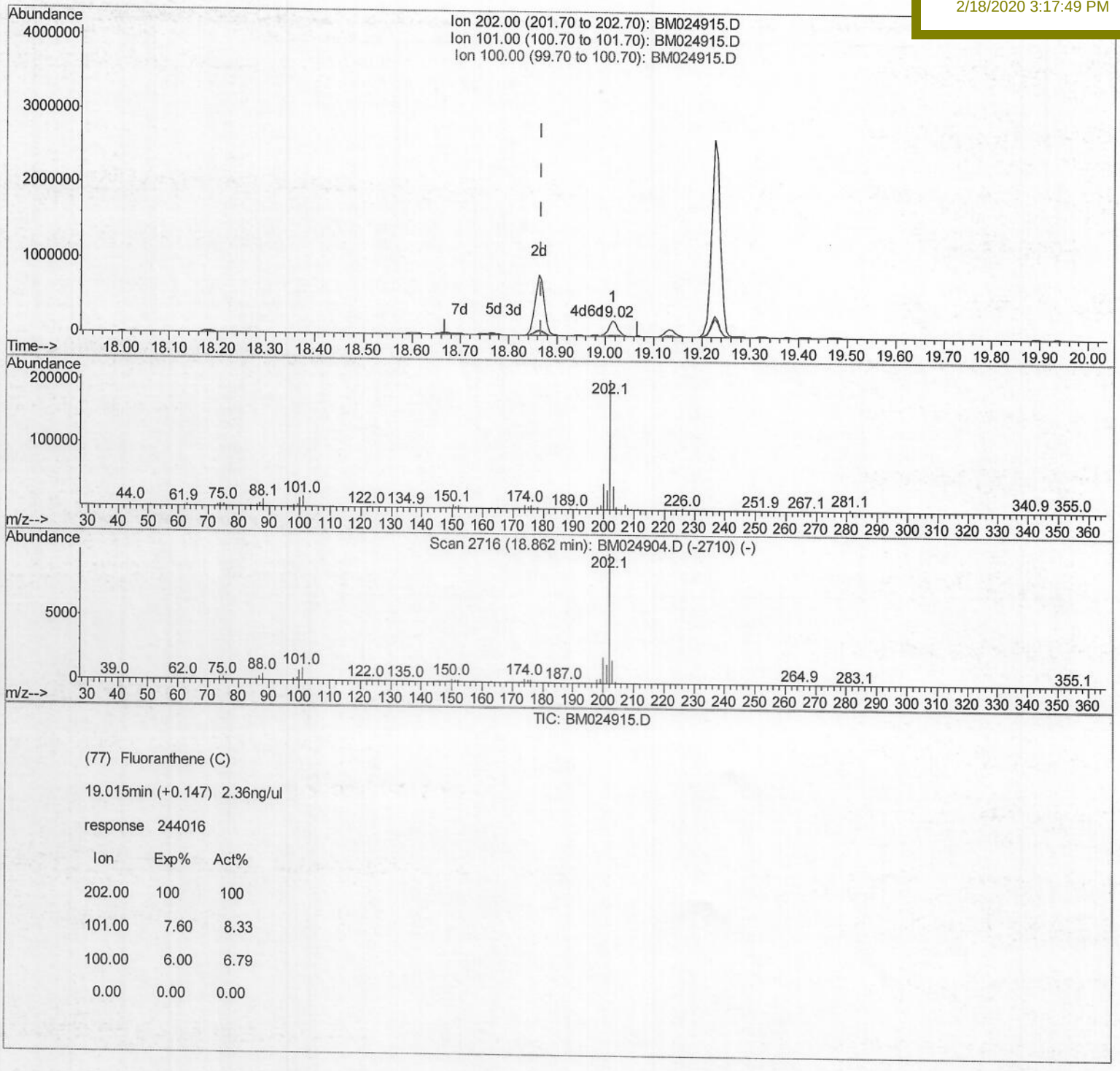
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM



TIC: BM024915.D

(77) Fluoranthene (C)

19.015min (+0.147) 2.36ng/ul

response 244016

Ion	Exp%	Act%
202.00	100	100
101.00	7.60	8.33
100.00	6.00	6.79
0.00	0.00	0.00

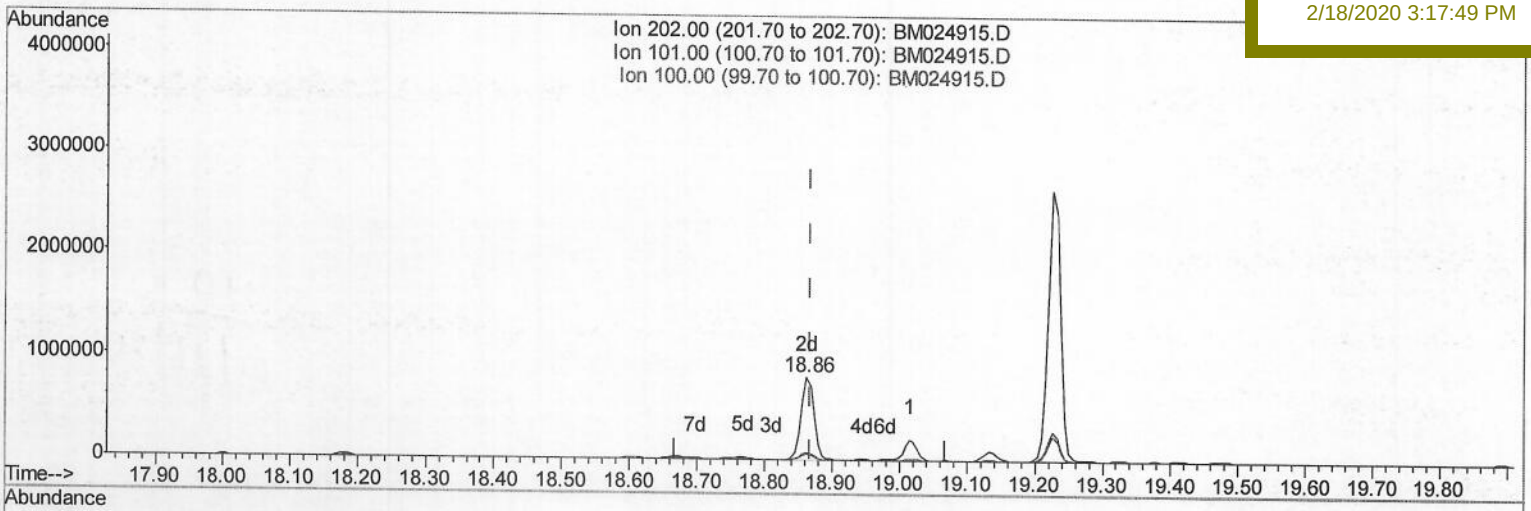
Quantitation Report (Qedit)

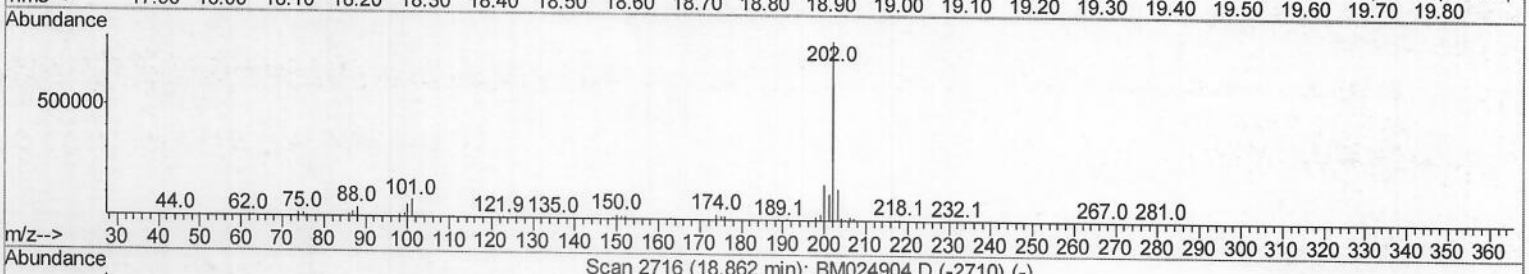
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

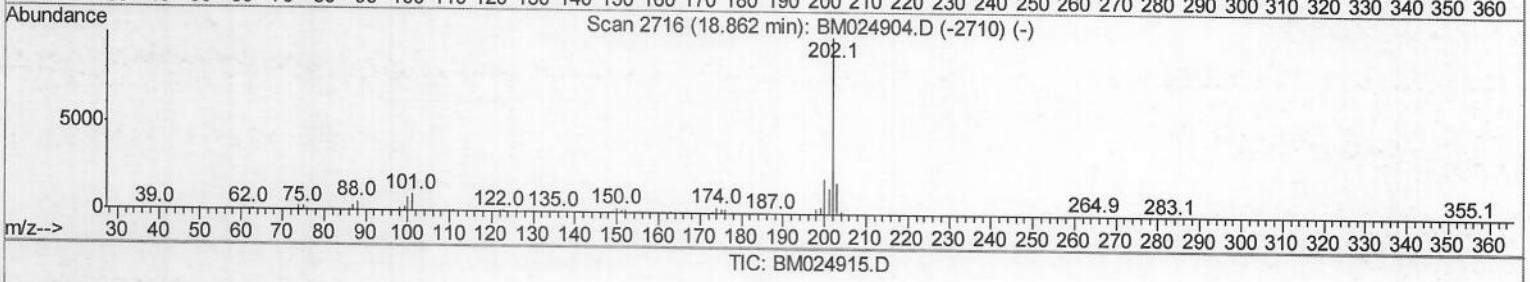
Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM







TIC: BM024915.D

(77) Fluoranthene (C)

18.862min (-0.006) 10.41ng/ul m > 50 02/18/20

response 1077781

Ion	Exp%	Act%
202.00	100	100
101.00	7.60	9.45#
100.00	6.00	7.06
0.00	0.00	0.00

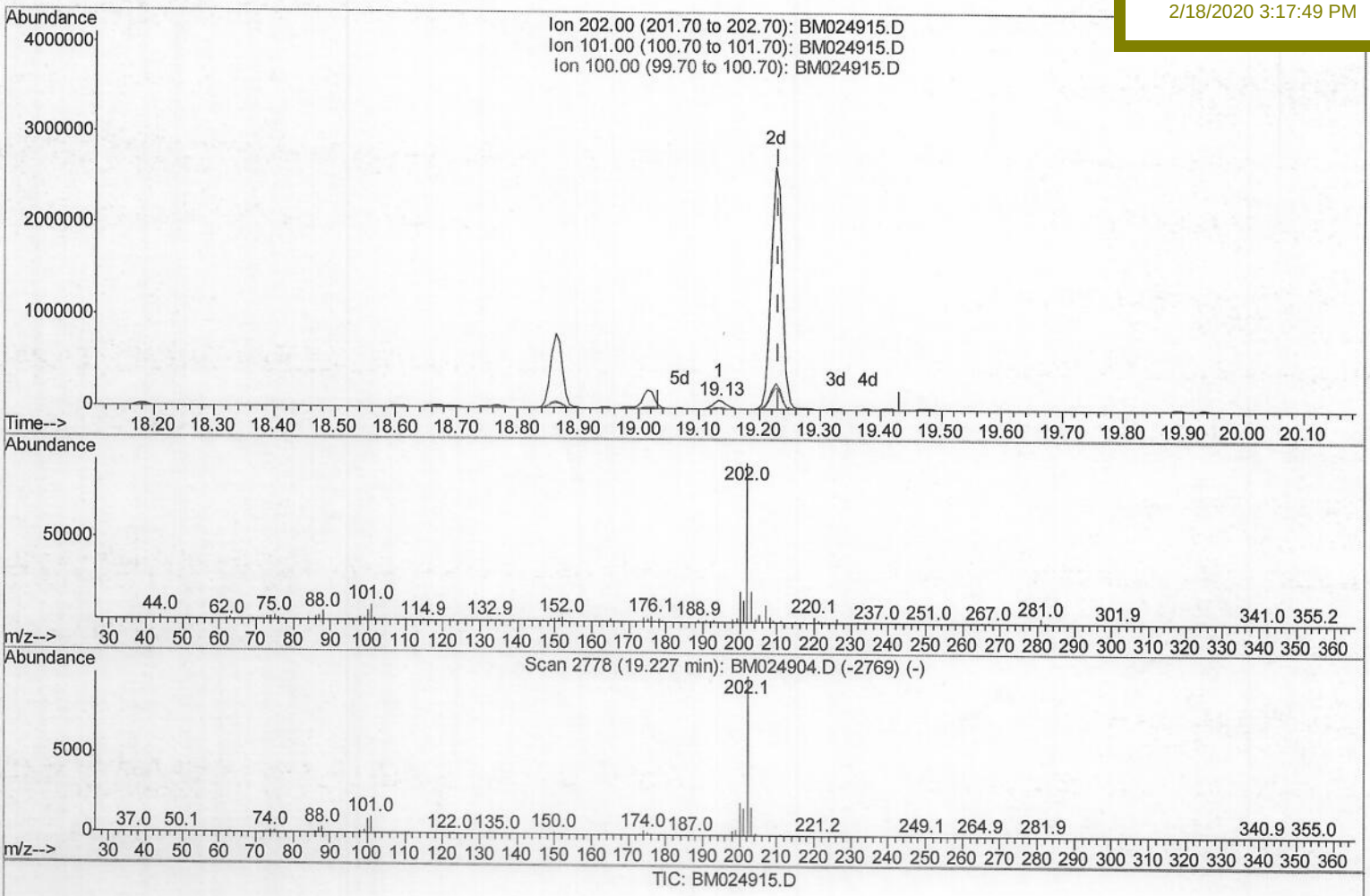
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM



TIC: BM024915.D

(80) Pyrene

19.133min (-0.100) 1.19ng/ul

response 127501

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	9.96
100.00	7.30	6.76
0.00	0.00	0.00

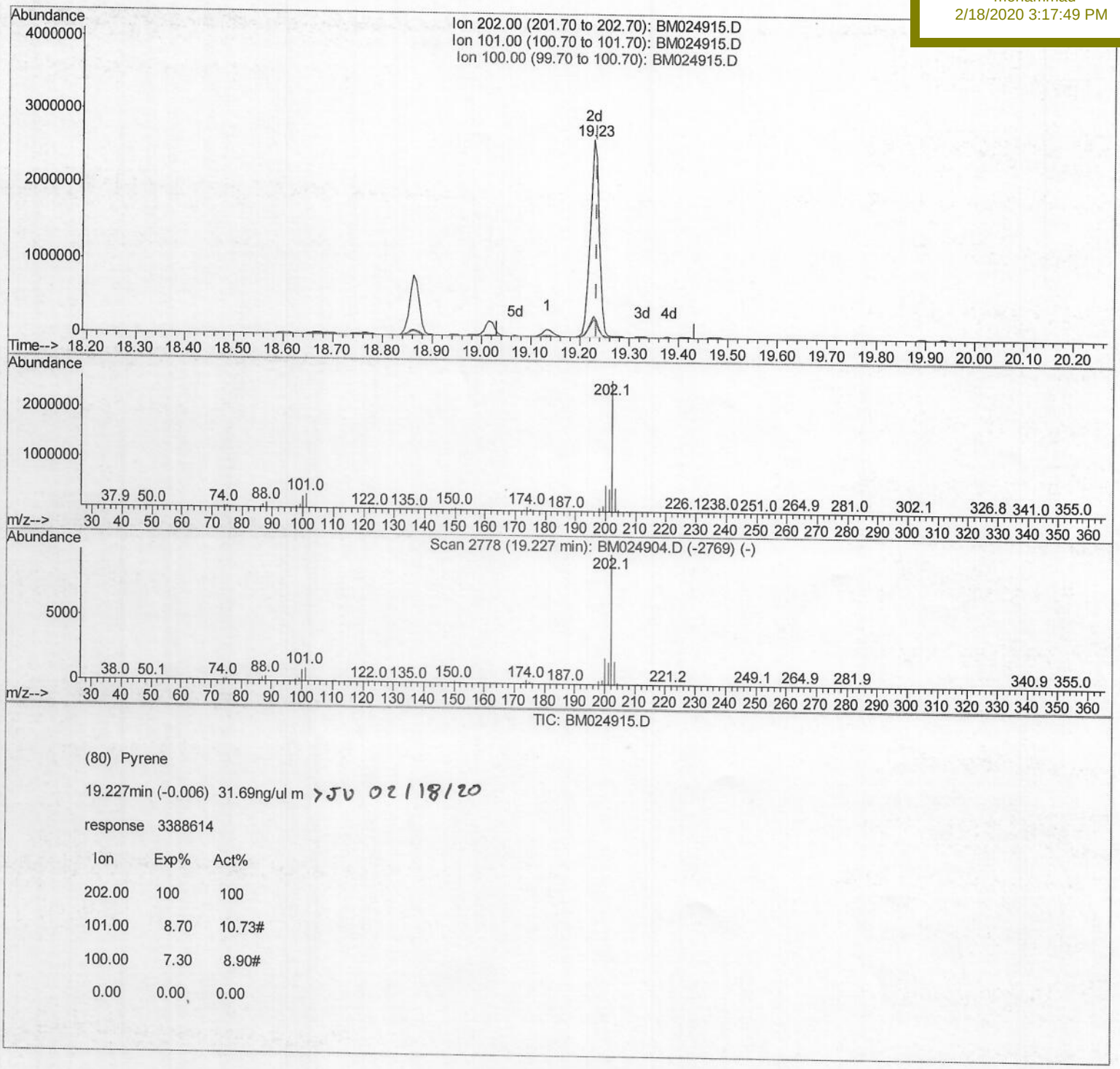
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM



TIC: BM024915.D

(80) Pyrene

19.227min (-0.006) 31.69ng/ul m JV 02/18/20

response 3388614

Ion	Exp%	Act%
202.00	100	100
101.00	8.70	10.73#
100.00	7.30	8.90#
0.00	0.00	0.00

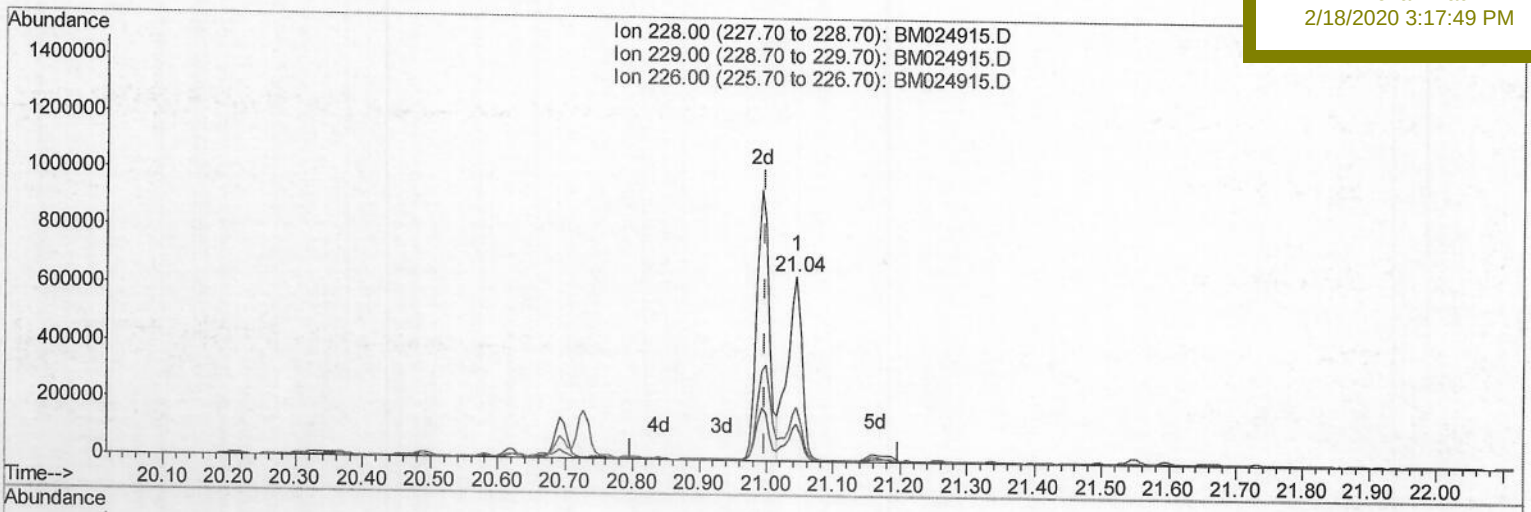
Quantitation Report (Qedit)

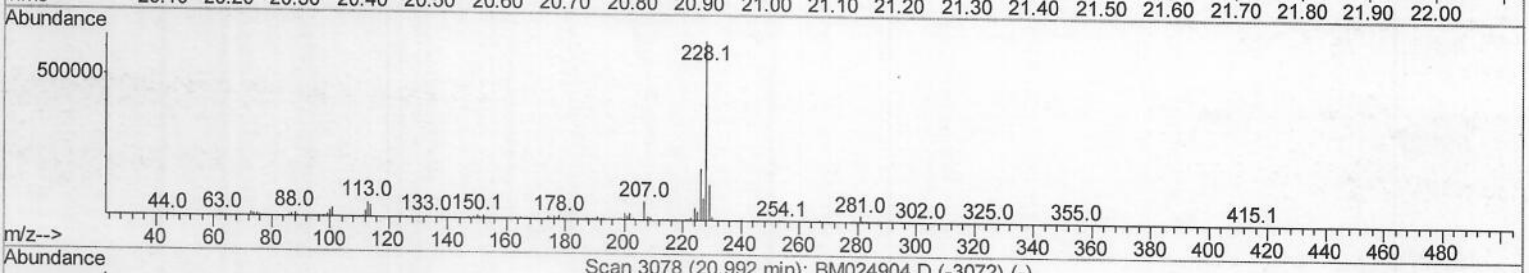
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

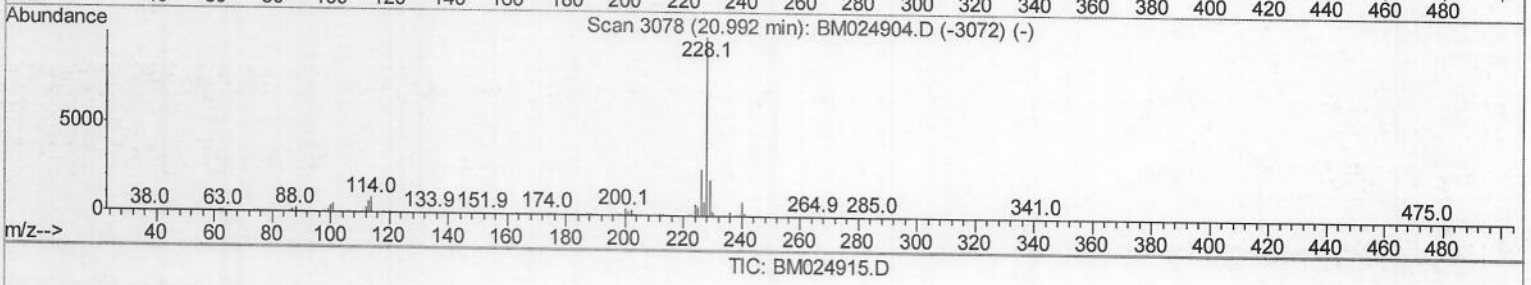
Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM







TIC: BM024915.D

(83) Benzo(a)anthracene

21.045min (+0.047) 8.79ng/ul

response 956381

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	20.00
226.00	26.00	29.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
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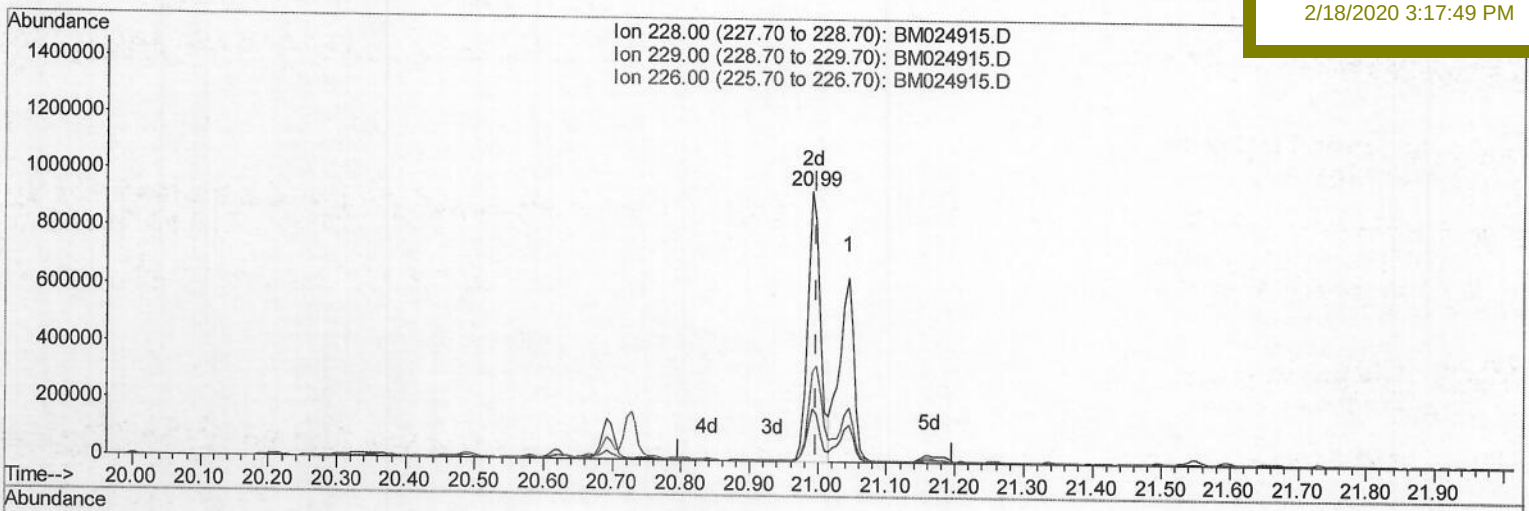
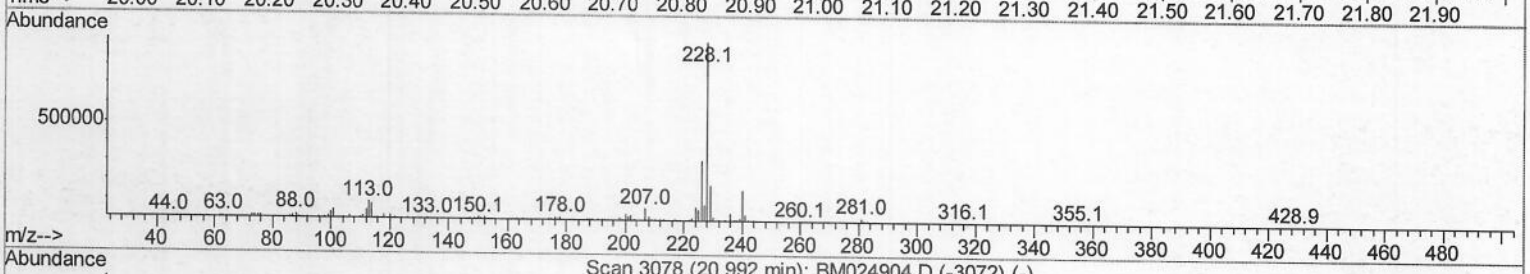
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

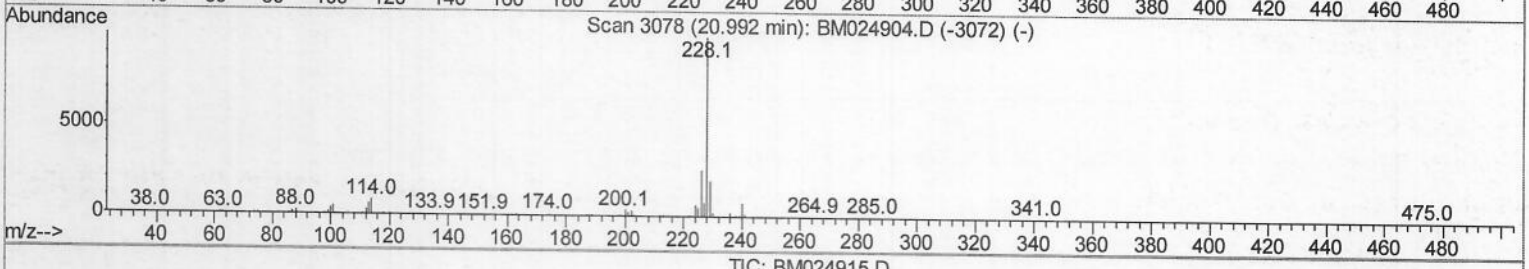
Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM







TIC: BM024915.D

(83) Benzo(a)anthracene

20.992min (-0.006) 11.28ng/ul m 5V02 / 18 / 20

response 1227686

Ion	Exp%	Act%
228.00	100	100
229.00	19.90	19.71
226.00	26.00	33.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
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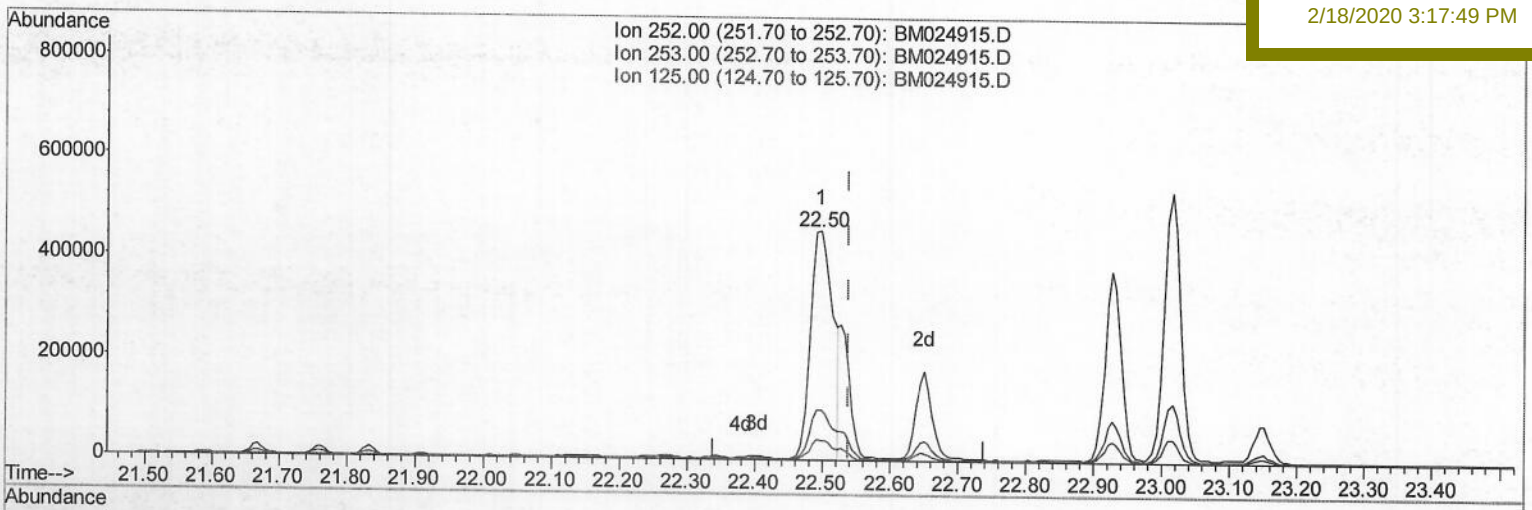
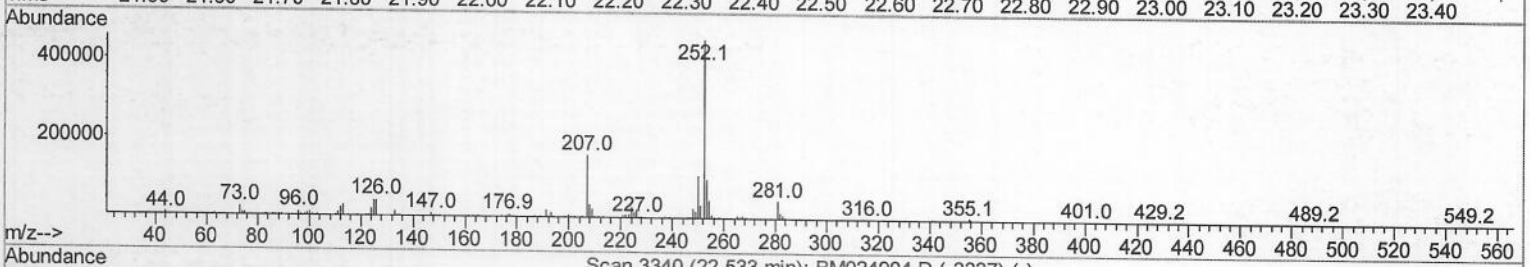
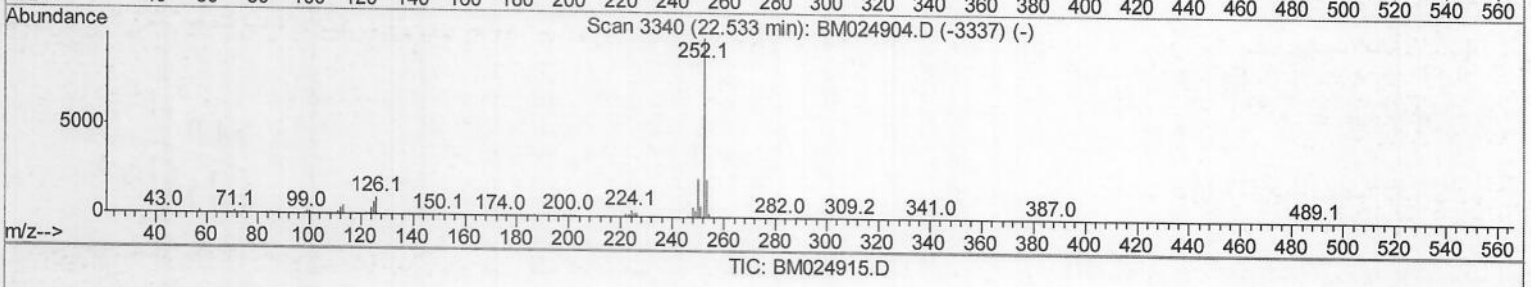
Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM







TIC: BM024915.D

(89) Benzo(k)fluoranthene

22.497min (-0.041) 9.74ng/ul

response 1032844

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	21.89
125.00	6.40	8.79#
0.00	0.00	0.00

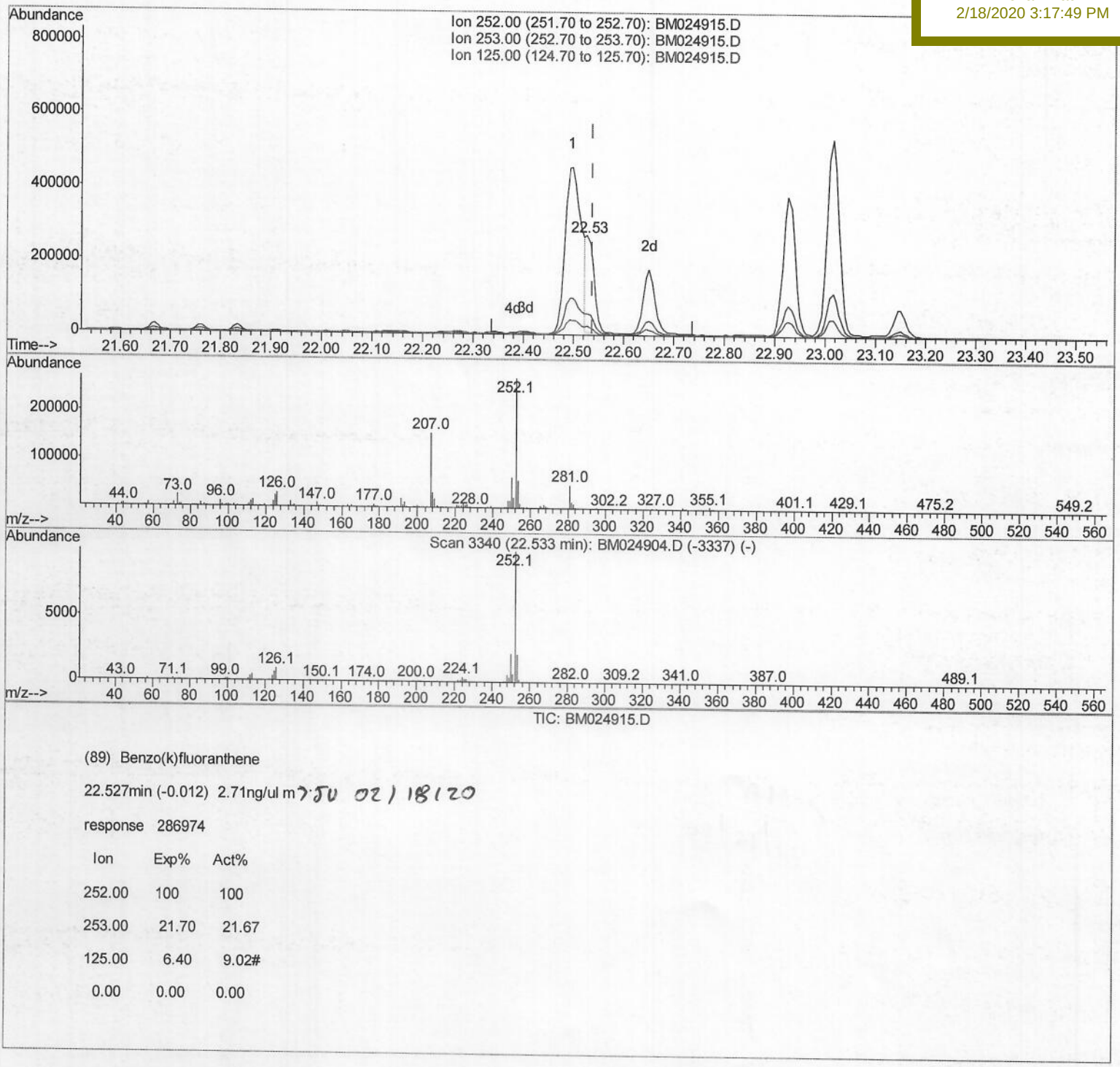
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 00:34:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM



TIC: BM024915.D

(89) Benzo(k)fluoranthene

22.527min (-0.012) 2.71ng/ul m JU 02/18/20

response 286974

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	21.67
125.00	6.40	9.02#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021720\
Data File : BM024915.D
Acq On : 17 Feb 2020 20:29
Operator : CG/JU
Sample : L1324-14MEDL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 18 01:53:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 15 06:02:17 2020
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : GAT69MEDL

Manual Integrations APPROVED
mohammad
2/18/2020 3:17:49 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	7.39	152	352693	20.00	ng/ul	0.00	
18) Naphthalene-d8	10.14	136	1267204	20.00	ng/ul	0.00	
36) Acenaphthene-d10	14.04	164	759852	20.00	ng/ul	0.00	
62) Phenanthrene-d10	16.79	188	1546765	20.00	ng/ul	0.00	
78) Chrysene-d12	21.01	240	1615394	20.00	ng/ul	0.00	
86) Perylene-d12	23.10	264	1732593	20.00	ng/ul	0.00	
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.04	96	5587m?	0.76	ng/uL	0.00	> JU 02/18/20
5) Phenol-d5	6.59	99	94894	4.05	ng/ul	0.00	
7) Bis-(2-Chloroethyl)ether-d	6.75	67	61868	4.68	ng/ul	0.00	
9) 2-Chlorophenol-d4	6.93	132	85180	4.06	ng/ul	0.00	
13) 4-Methylphenol-d8	8.11	113	68873	3.48	ng/ul	0.00	
19) Nitrobenzene-d5	8.53	128	36071	3.94	ng/ul	0.00	
22) 2-Nitrophenol-d4	9.25	143	40186	3.71	ng/ul	0.00	
26) 2,4-Dichlorophenol-d3	9.79	165	73356	3.36	ng/ul	0.00	
29) 4-Chloroaniline-d4	10.30	131	48755	2.39	ng/ul	0.02	
44) Dimethylphthalate-d6	13.47	166	221378	3.86	ng/ul	0.00	
47) Acenaphthylene-d8	13.72	160	308489	4.61	ng/ul	0.00	
52) 4-Nitrophenol-d4	14.29	143	17880m?	1.92	ng/ul	-0.02	> JU 02/18/20
58) Fluorene-d10	15.04	176	225126	4.43	ng/ul	0.00	
63) 4,6-Dinitro-2-methylphenol	15.18	200	19410	1.93	ng/ul	0.00	
71) Anthracene-d10	16.89	188	332230	4.71	ng/ul	0.00	
79) Pyrene-d10	19.20	212	393844	4.87	ng/ul	0.00	
90) Benzo(a)pyrene-d12	22.97	264	421599	4.84	ng/ul	0.00	
Target Compounds						Qvalue	
48) Acenaphthylene	13.75	152	365125	5.262	ng/ul	99	
72) Anthracene	16.93	178	151243	1.768	ng/ul	100	
77) Fluoranthene	18.86	202	1077781m?	10.410	ng/ul		} JU 02/18/20
80) Pyrene	19.23	202	3388614m?	31.691	ng/ul		
83) Benzo(a)anthracene	20.99	228	1227686m?	11.283	ng/ul		
85) Chrysene	21.04	228	957119	8.934	ng/ul	99	
88) Benzo(b)fluoranthene	22.50	252	1032844	9.375	ng/ul#	98	
89) Benzo(k)fluoranthene	22.53	252	286974m?	2.706	ng/ul		> JU 02/18/20
91) Benzo(a)pyrene	23.02	252	896085	9.072	ng/ul#	99	
92) Indeno(1,2,3-cd)pyrene	25.14	276	443770	3.609	ng/ul	99	
93) Dibenzo(a,h)anthracene	25.15	278	134729	1.286	ng/ul#	96	
94) Benzo(g,h,i)perylene	25.76	276	405879	3.969	ng/ul	99	

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