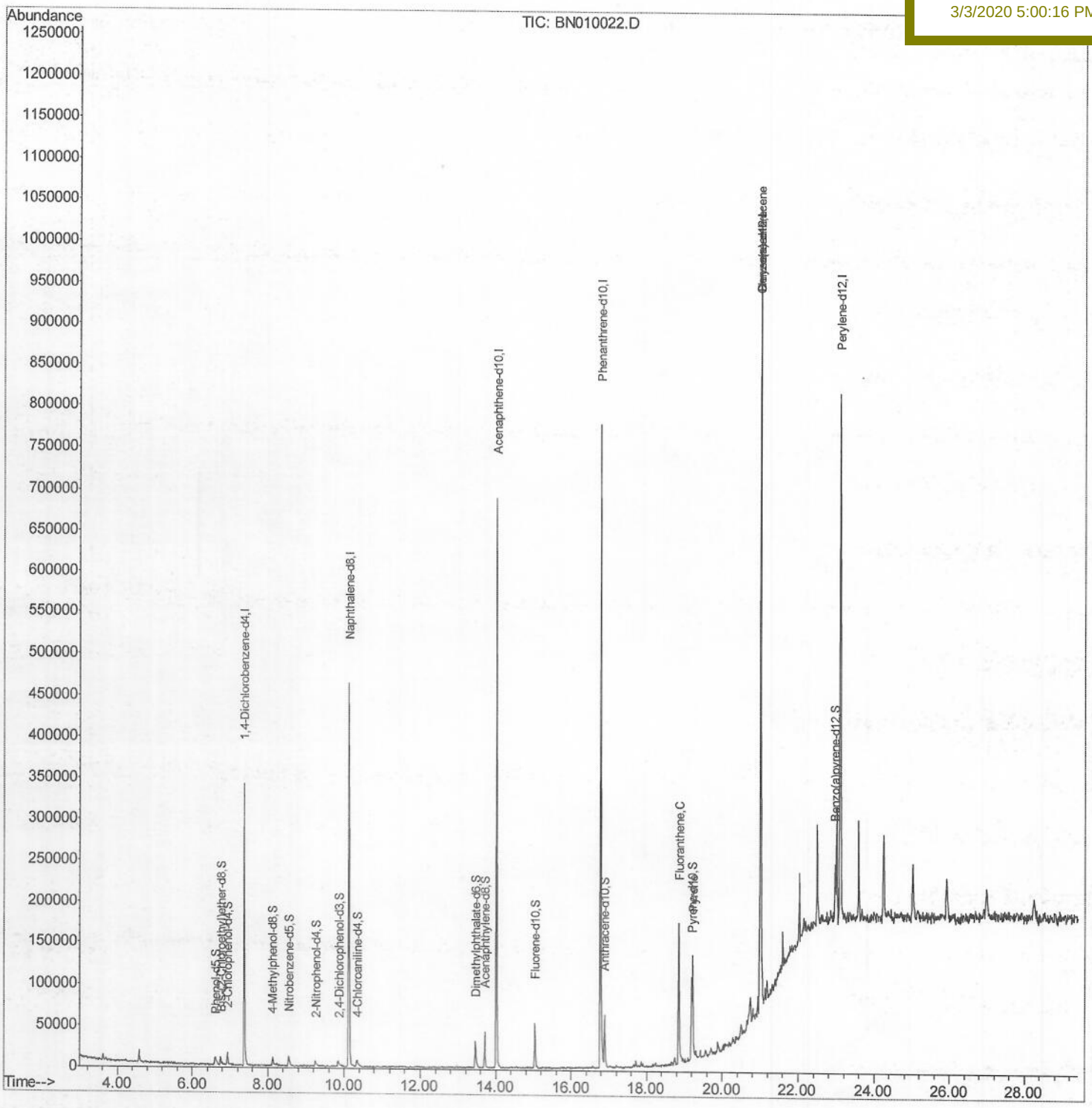
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 02 08:08:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM



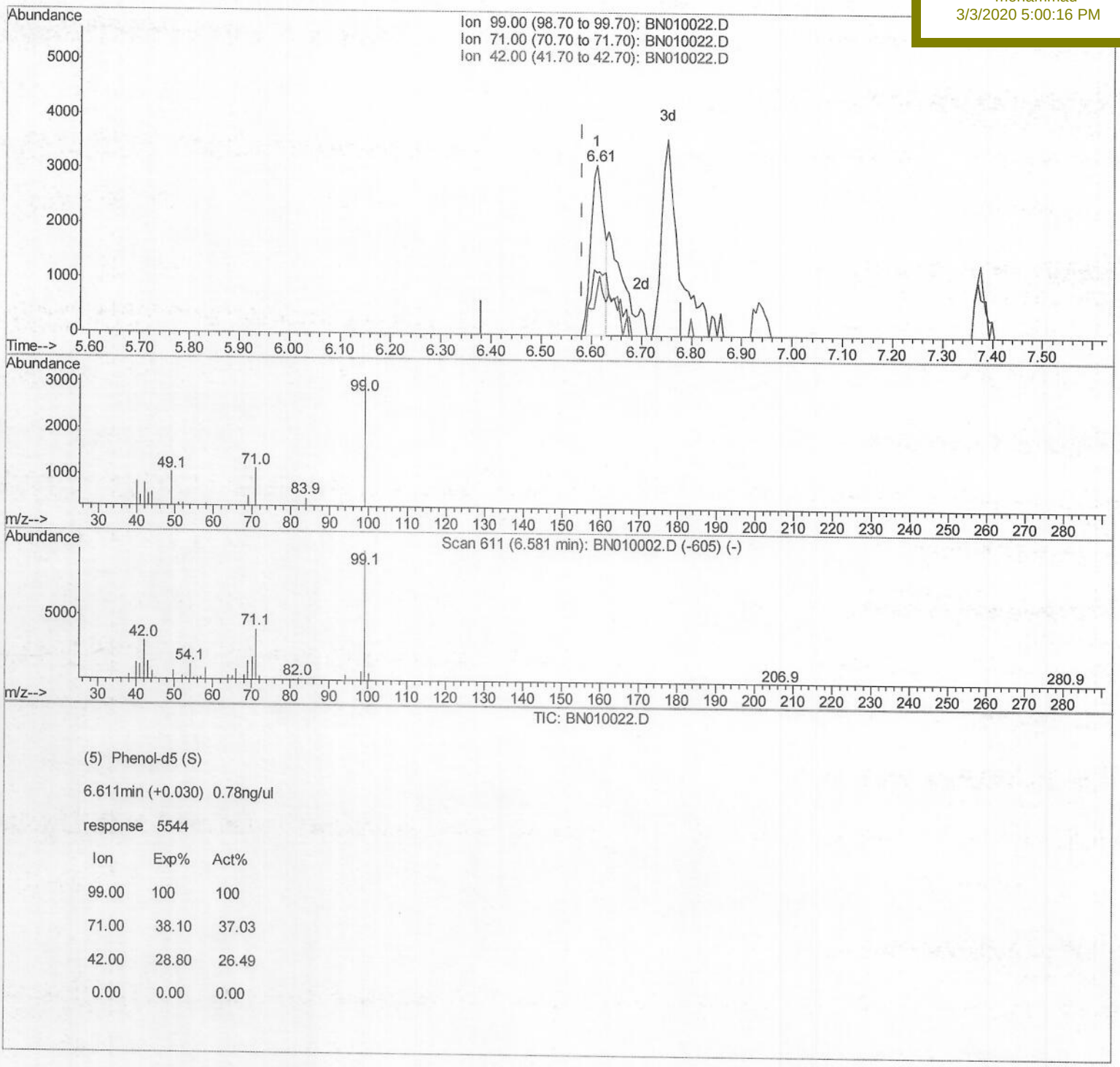
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM



TIC: BN010022.D

(5) Phenol-d5 (S)

6.611min (+0.030) 0.78ng/ul

response 5544

Ion	Exp%	Act%
99.00	100	100
71.00	38.10	37.03
42.00	28.80	26.49
0.00	0.00	0.00

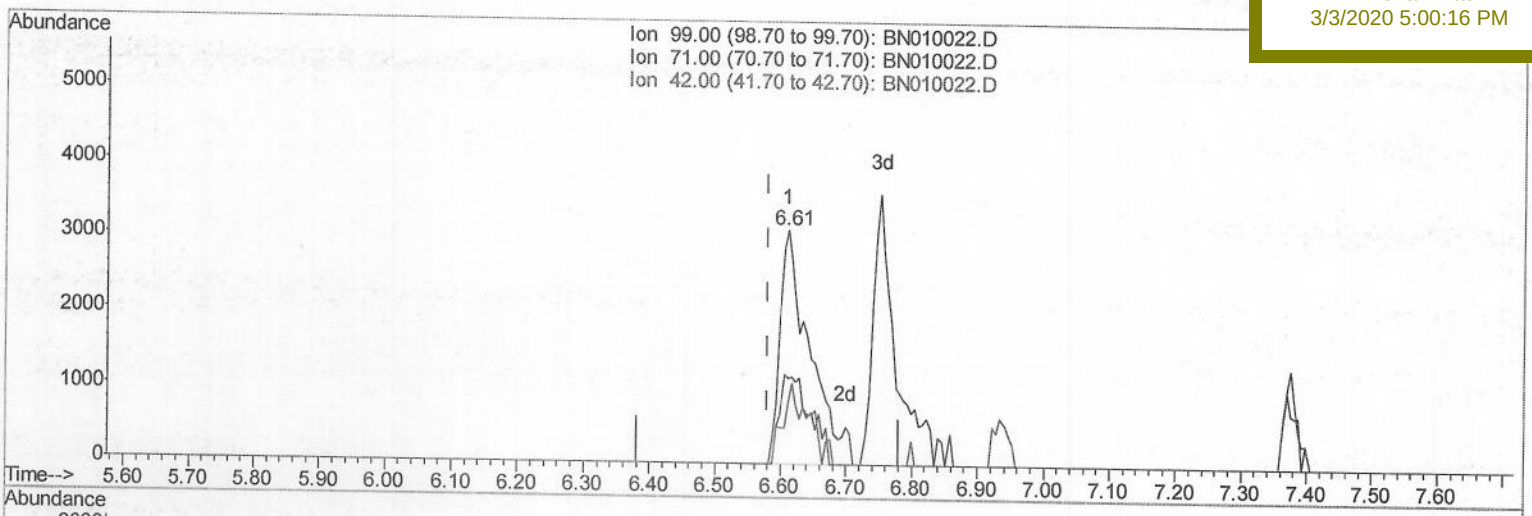
Quantitation Report (Qedit)

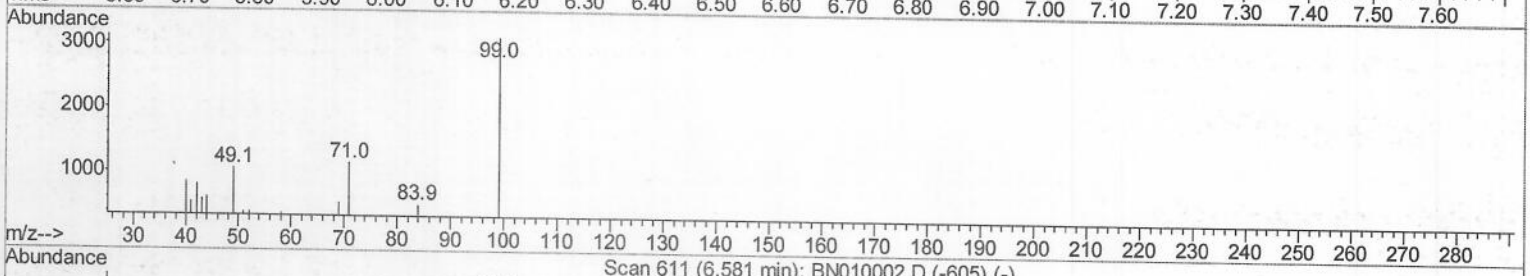
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

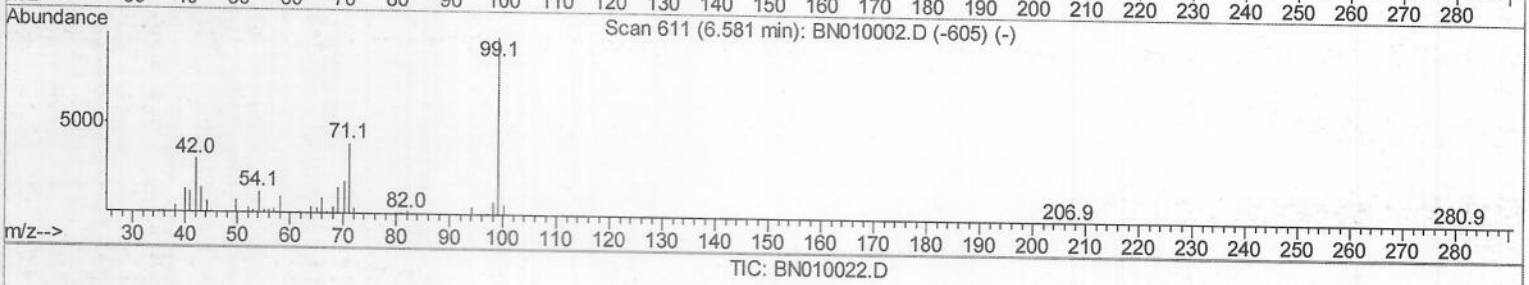
Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM







TIC: BN010022.D

(5) Phenol-d5 (S)

6.611min (+0.030) 1.38ng/ul m JU 03/04/20

response 9859

Ion	Exp%	Act%
99.00	100	100
71.00	38.10	37.03
42.00	28.80	26.49
0.00	0.00	0.00

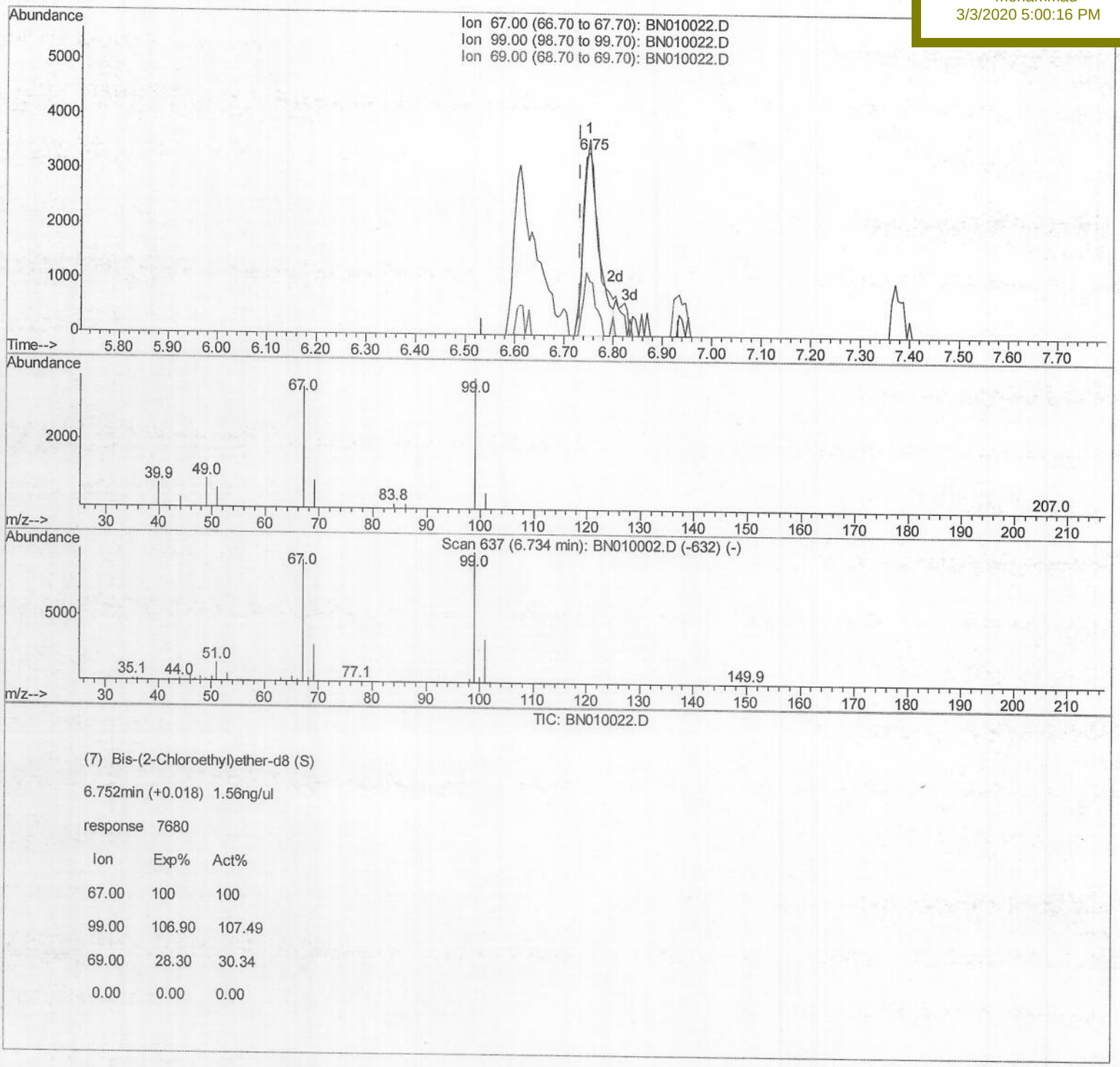
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM



TIC: BN010022.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.752min (+0.018) 1.56ng/ul

response 7680

Ion	Exp%	Act%
67.00	100	100
99.00	106.90	107.49
69.00	28.30	30.34
0.00	0.00	0.00

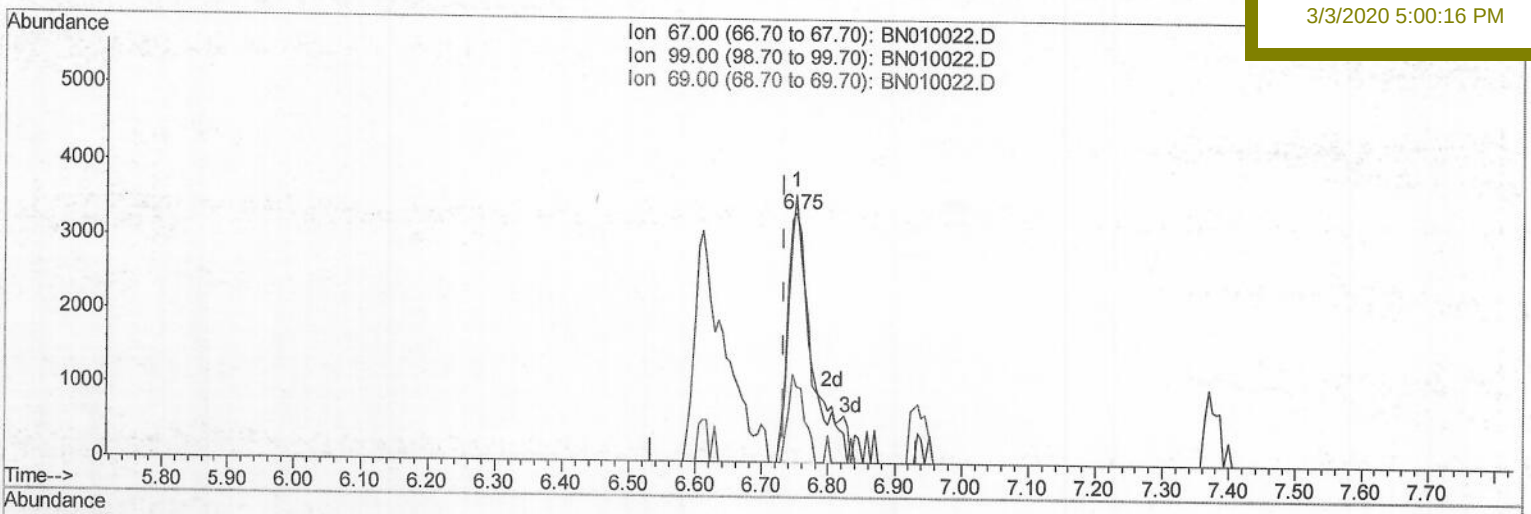
Quantitation Report (Qedit)

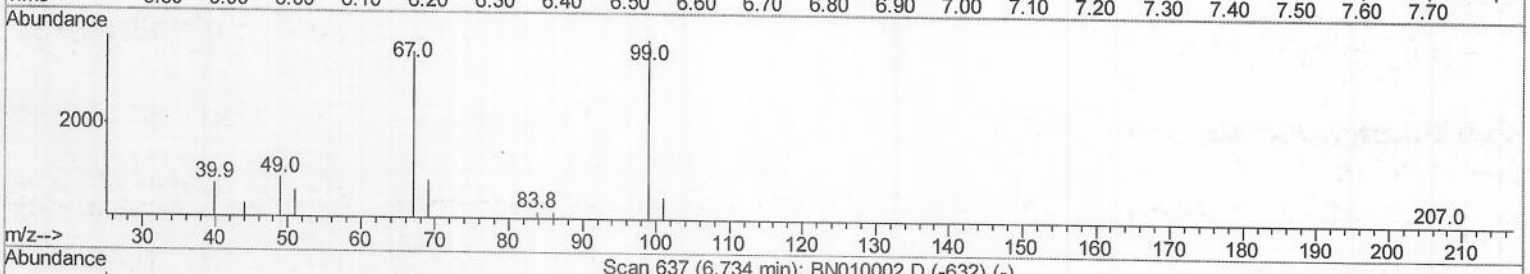
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

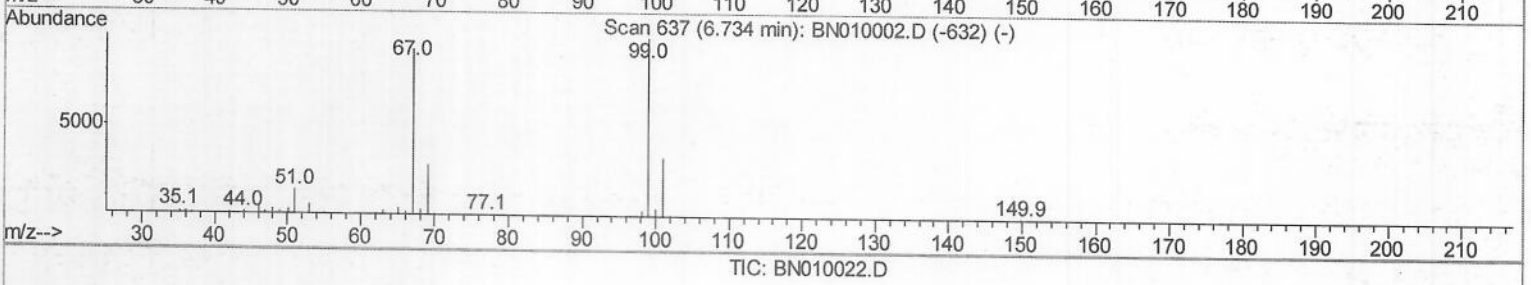
Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM







TIC: BN010022.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

6.752min (+0.018) 1.70ng/ul m SDV 03/04/20

response 8392

Ion	Exp%	Act%
67.00	100	100
99.00	106.90	107.49
69.00	28.30	30.34
0.00	0.00	0.00

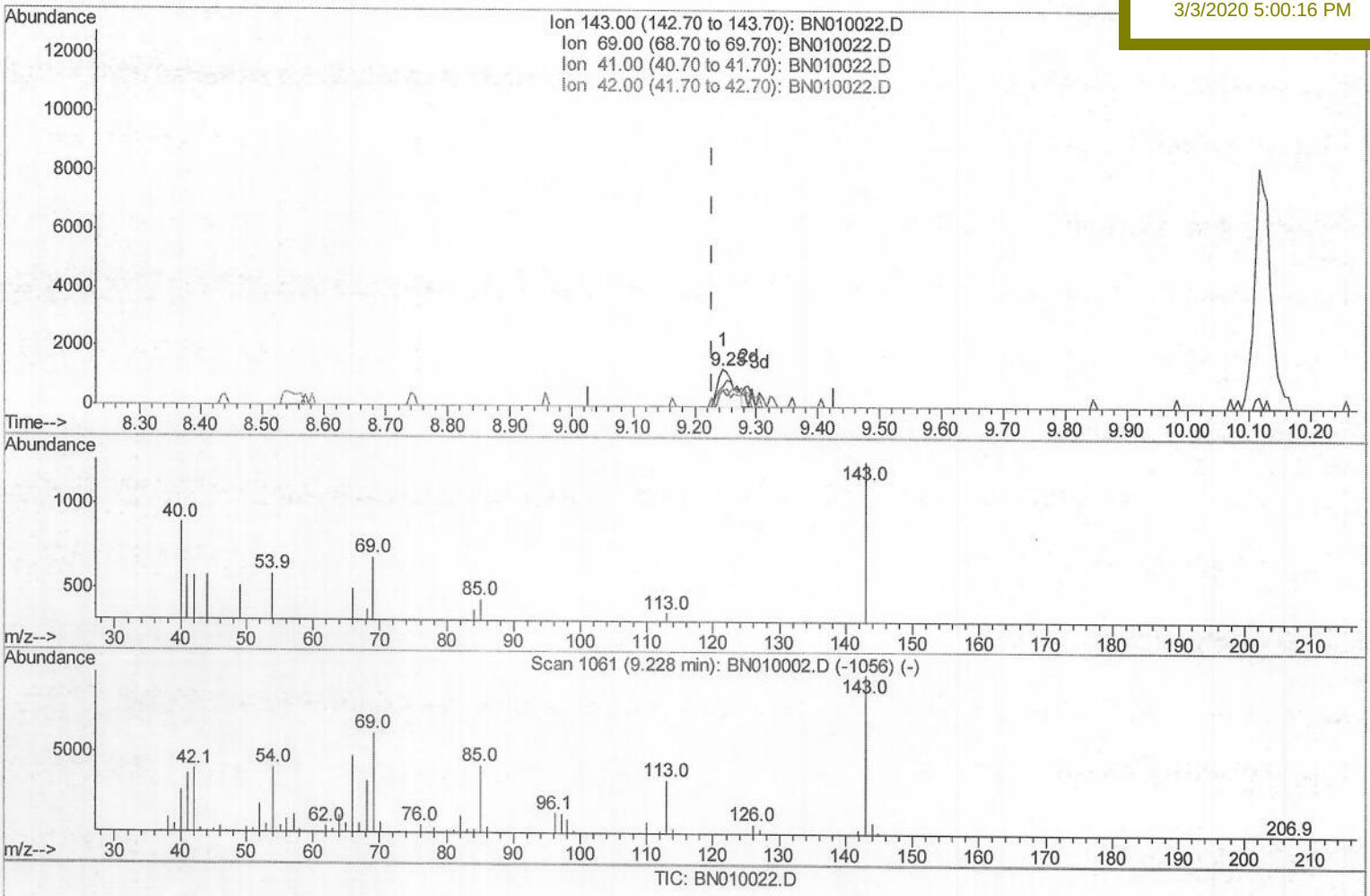
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM



TIC: BN010022.D

(22) 2-Nitrophenol-d4 (S)

9.246min (+0.018) 0.80ng/ul

response 2353

Ion	Exp%	Act%
143.00	100	100
69.00	60.40	54.29
41.00	36.00	45.63#
42.00	42.10	45.47

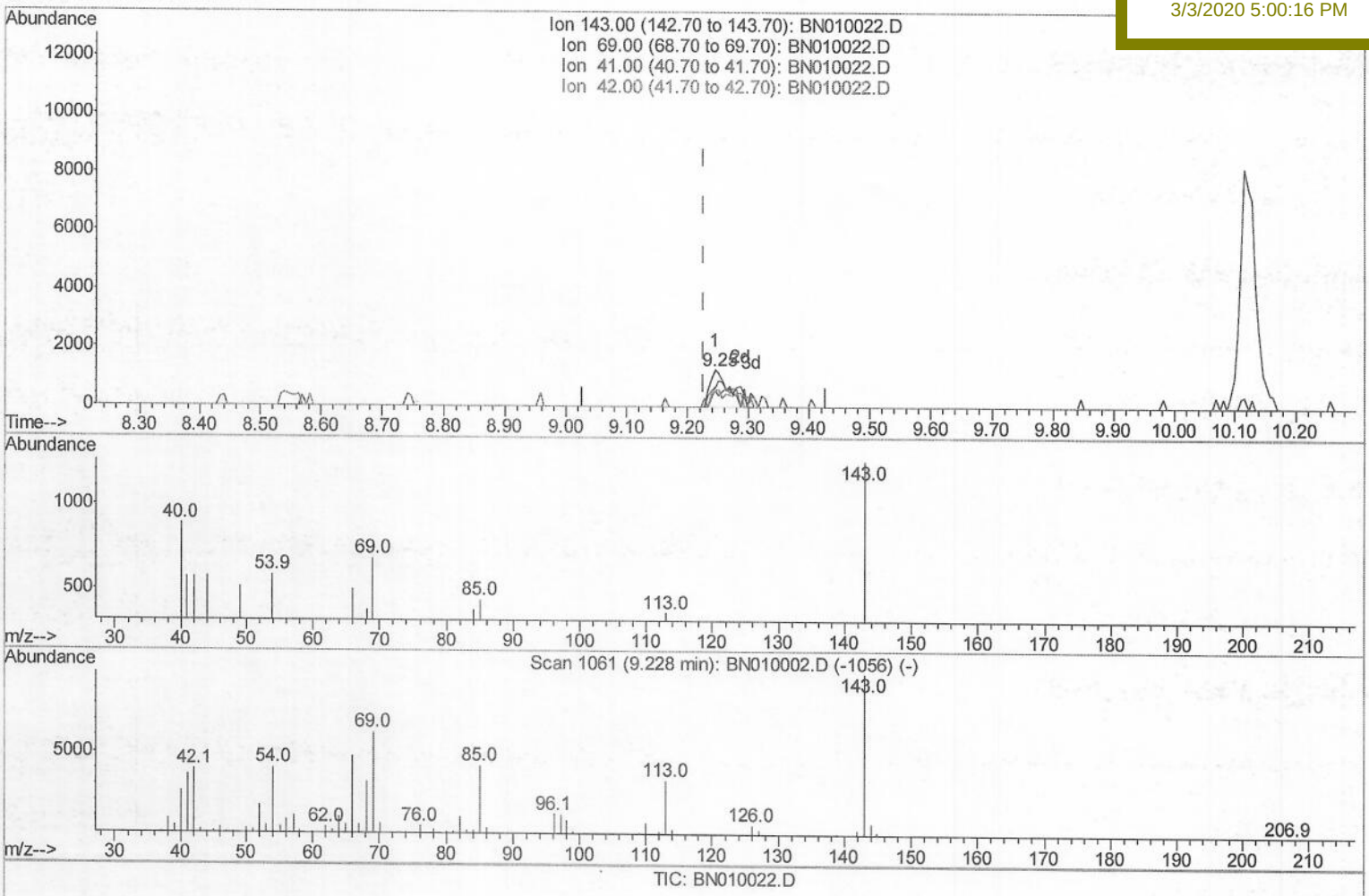
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM



TIC: BN010022.D

(22) 2-Nitrophenol-d4 (S)

9.246min (+0.018) 1.01ng/ul m JU 03/04/20

response 3000

Ion	Exp%	Act%
143.00	100	100
69.00	60.40	54.29
41.00	36.00	45.63#
42.00	42.10	45.47

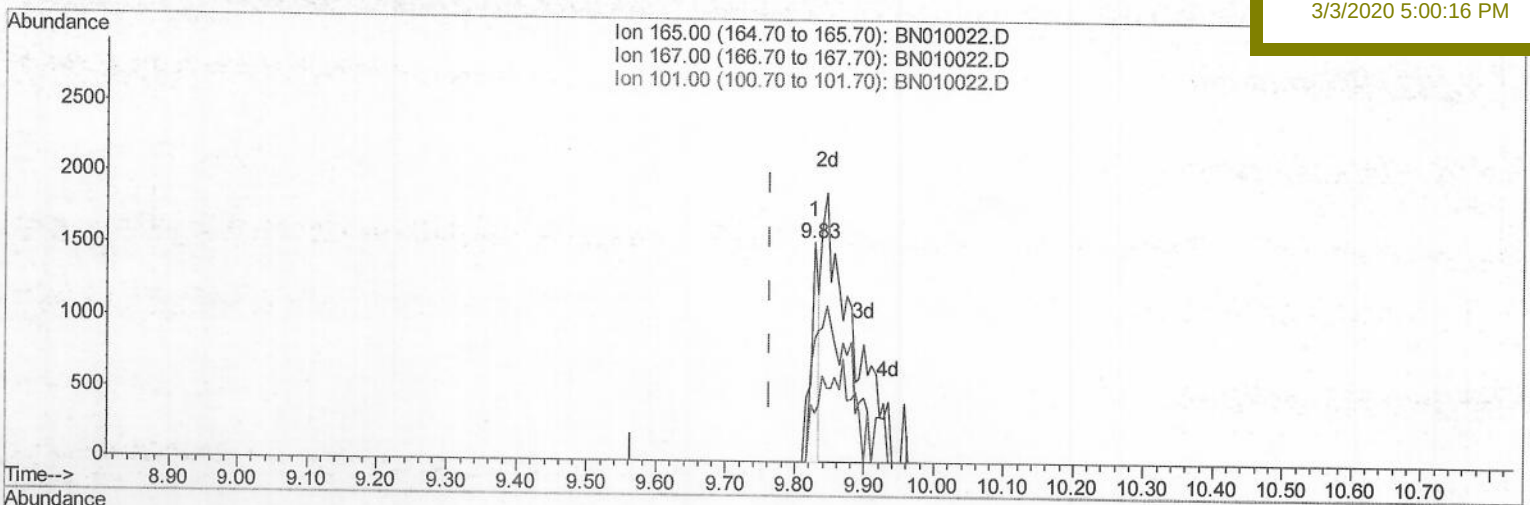
Quantitation Report (Qedit)

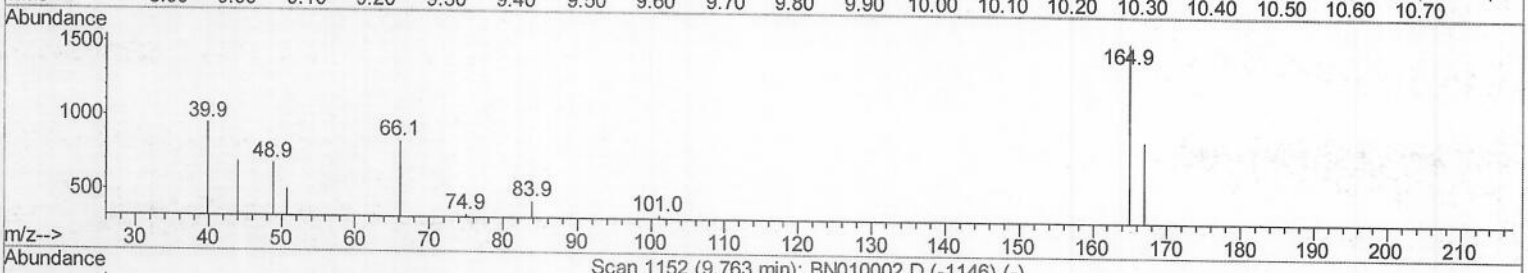
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

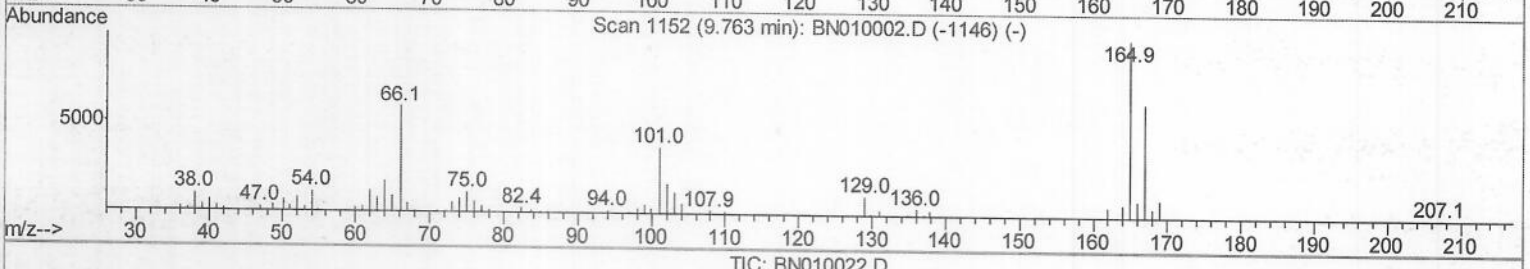
Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM







TIC: BN010022.D

(26) 2,4-Dichlorophenol-d3 (S)

9.828min (+0.065) 0.23ng/ul

response 1316

Ion	Exp%	Act%
165.00	100	100
167.00	64.20	56.35
101.00	36.10	22.34#
0.00	0.00	0.00

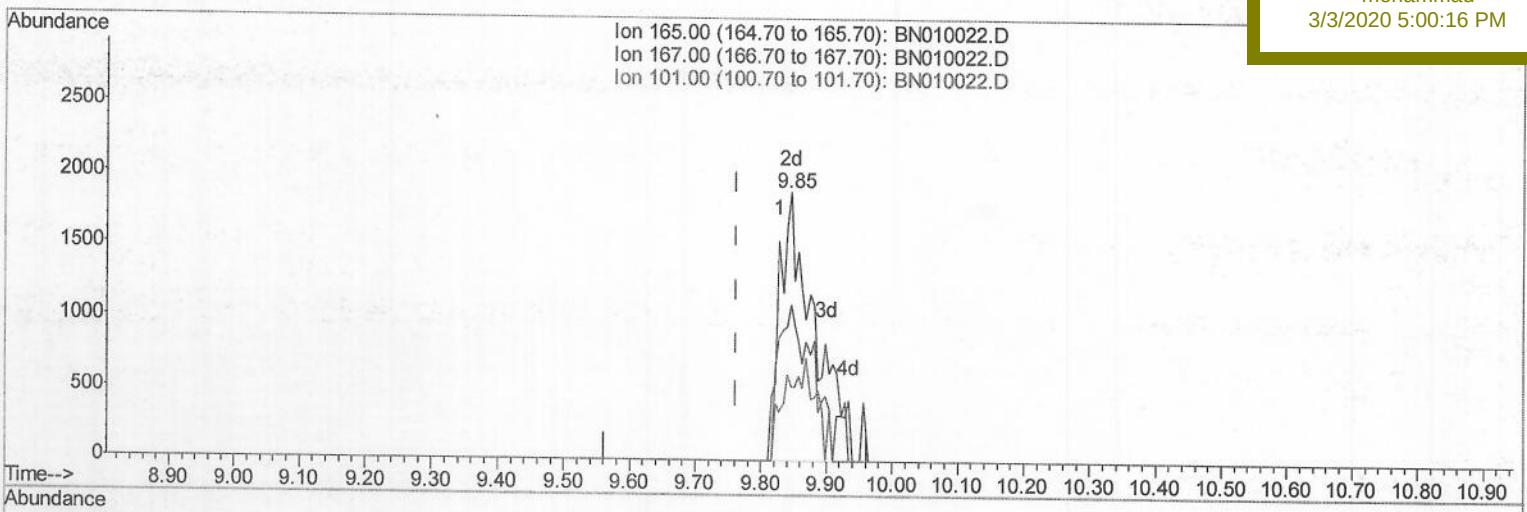
Quantitation Report (Qedit)

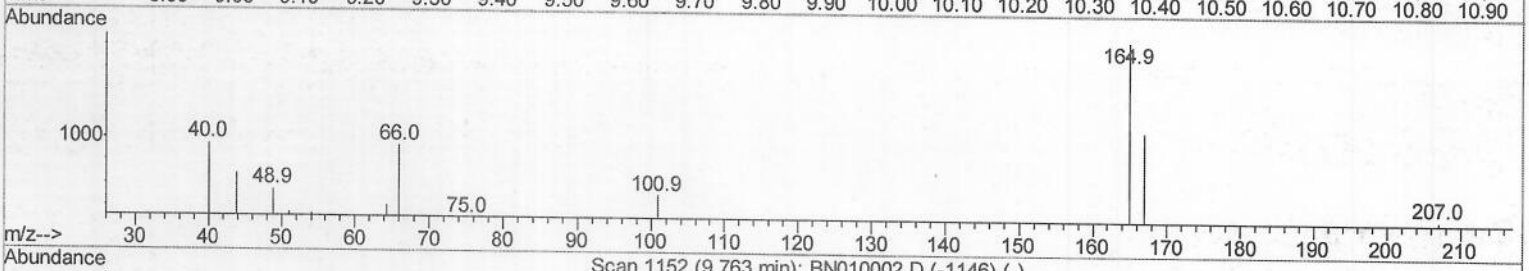
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

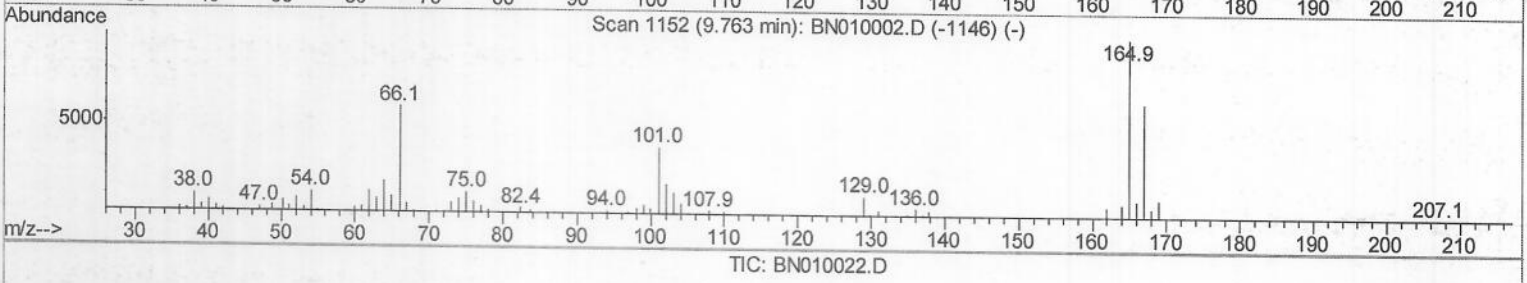
Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM







TIC: BN010022.D

(26) 2,4-Dichlorophenol-d3 (S)

9.846min (+0.082) 1.21ng/ul m> JU 03/04/20

response 6861

Ion	Exp%	Act%
165.00	100	100
167.00	64.20	58.18
101.00	36.10	27.58#
0.00	0.00	0.00

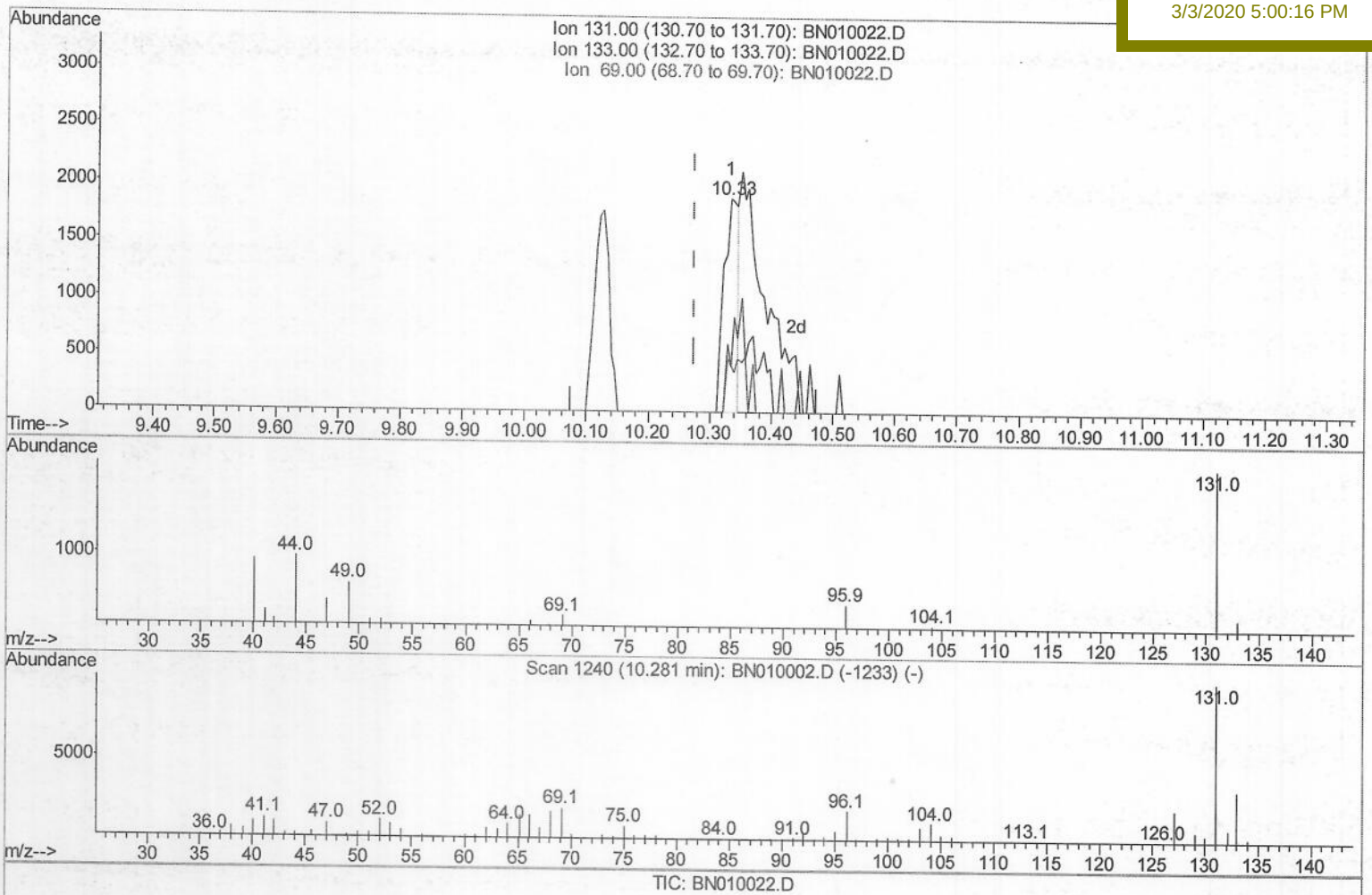
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM



TIC: BN010022.D

(29) 4-Chloroaniline-d4 (S)

10.334min (+0.059) 0.49ng/ul

response 3152

Ion	Exp%	Act%
131.00	100	100
133.00	33.00	21.65#
69.00	22.10	21.76
0.00	0.00	0.00

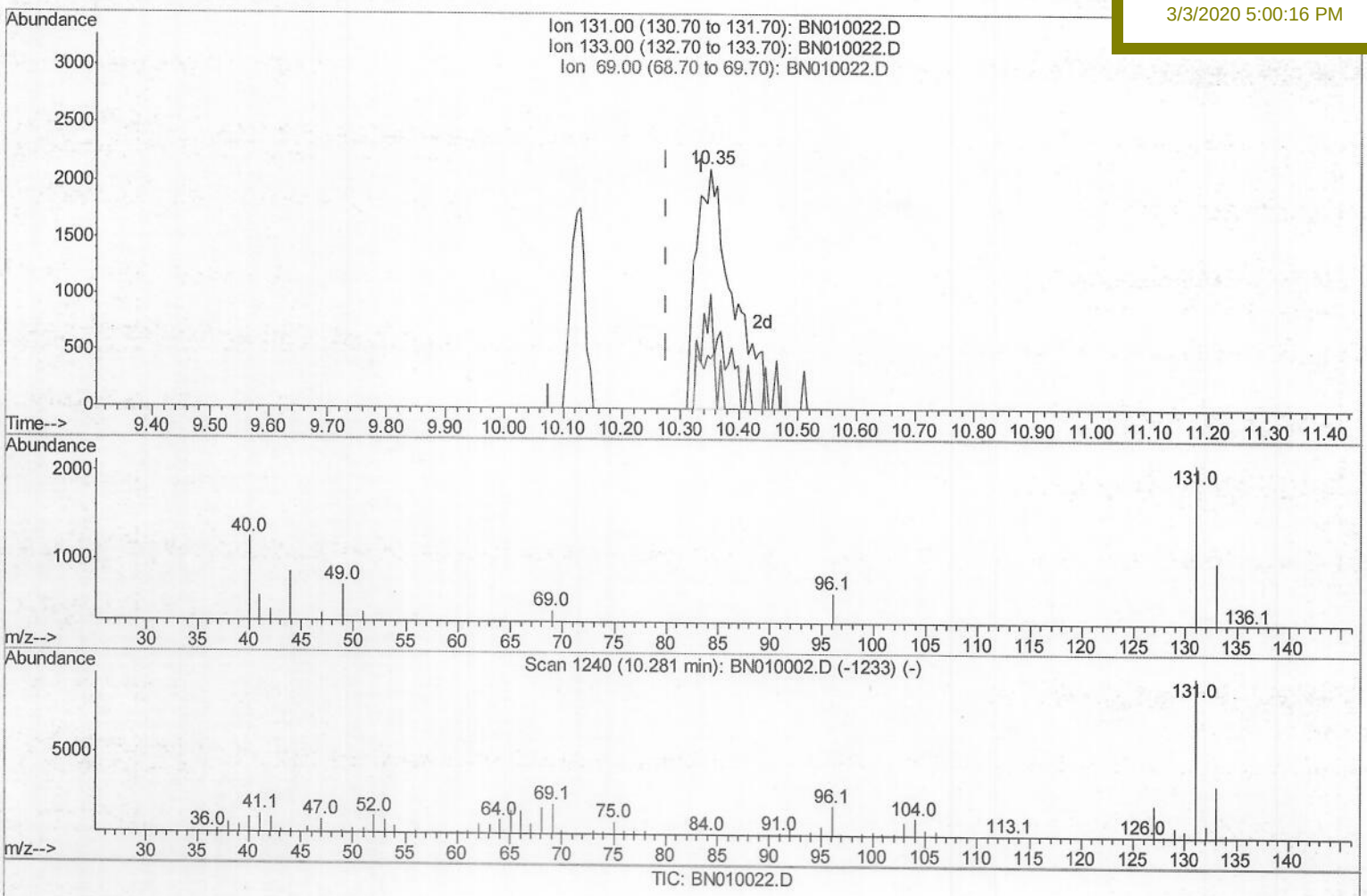
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 02 05:55:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM



TIC: BN010022.D

(29) 4-Chloroaniline-d4 (S)

10.352min (+0.077) 1.41ng/ul m JU 03/04/20

response 9007

Ion	Exp%	Act%
131.00	100	100
133.00	33.00	48.03#
69.00	22.10	20.70
0.00	0.00	0.00

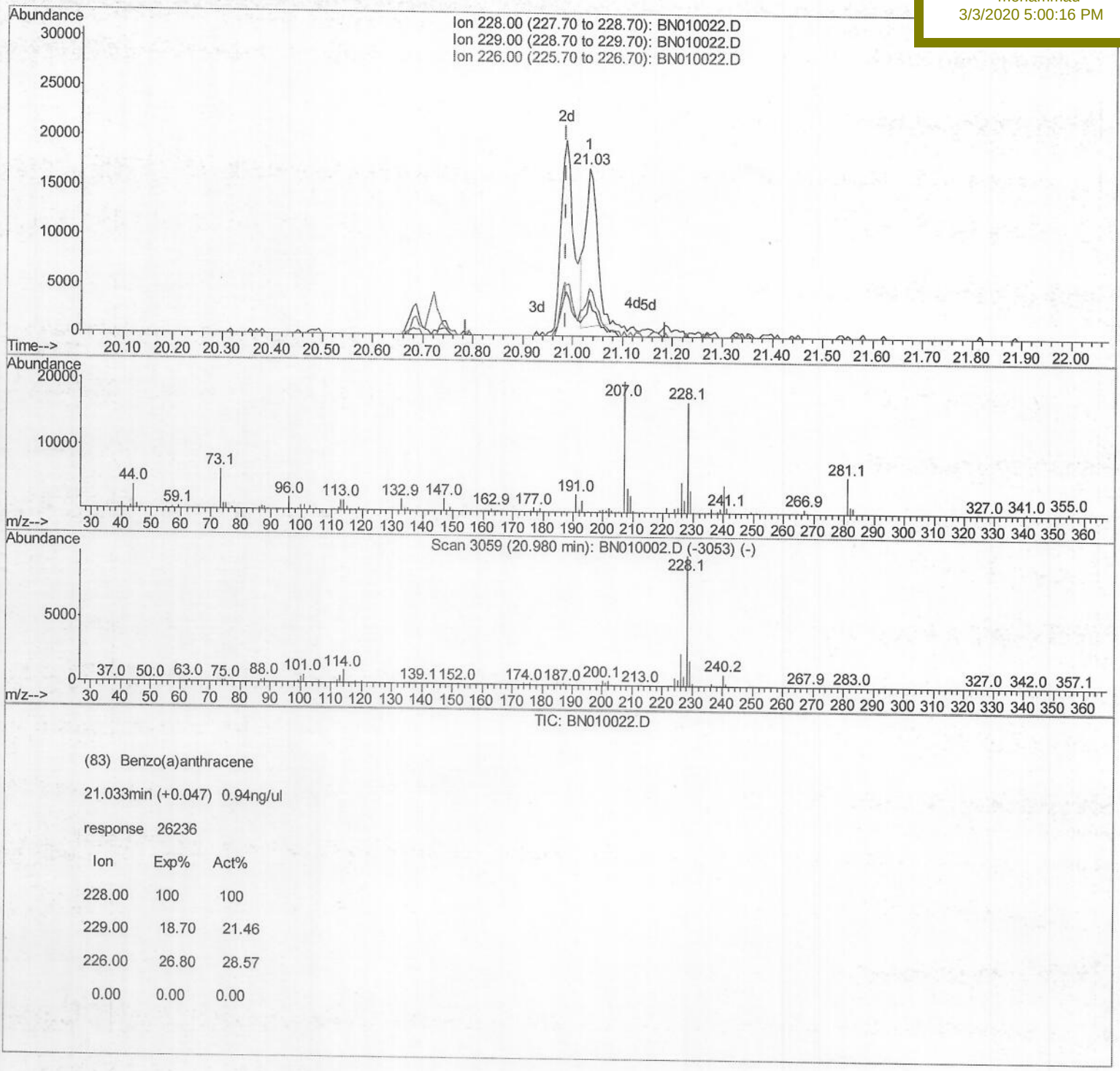
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Mar 02 08:06:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM



TIC: BN010022.D

(83) Benzo(a)anthracene

21.033min (+0.047) 0.94ng/ul

response 26236

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	21.46
226.00	26.80	28.57
0.00	0.00	0.00

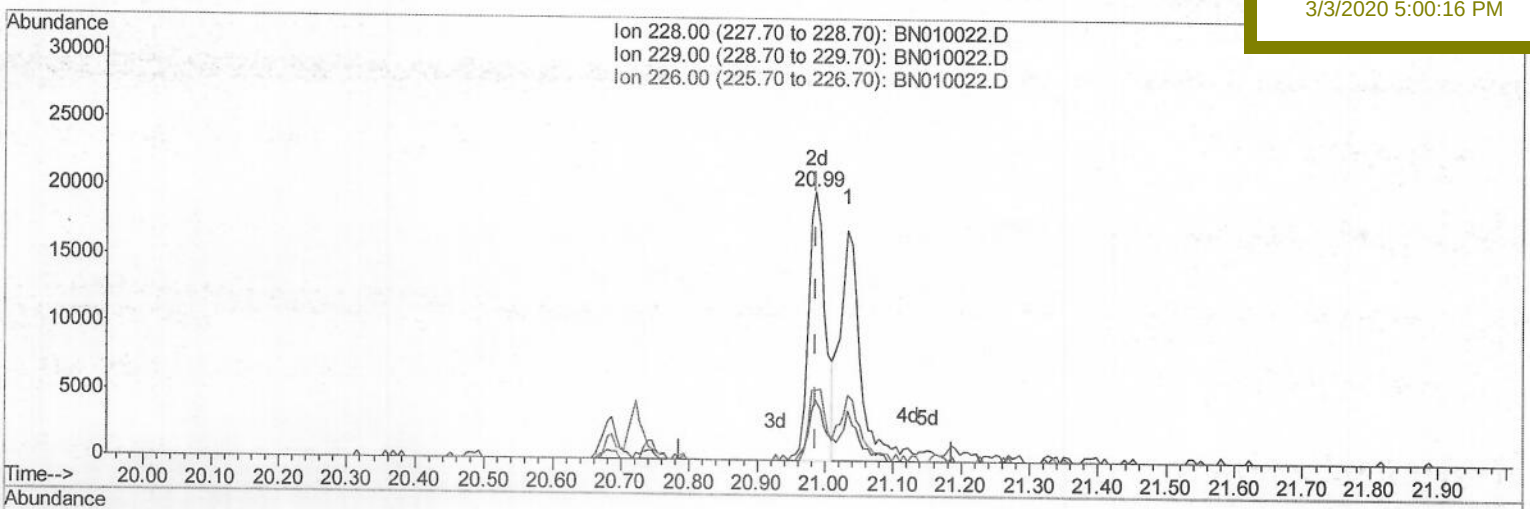
Quantitation Report (Qedit)

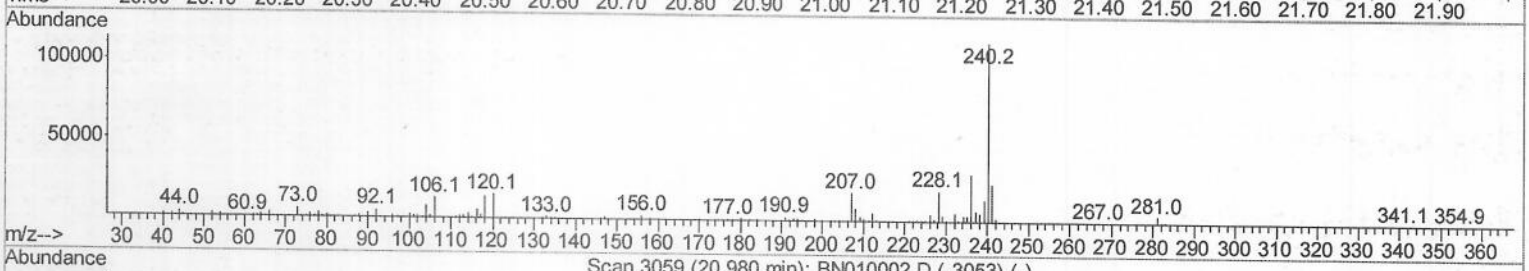
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

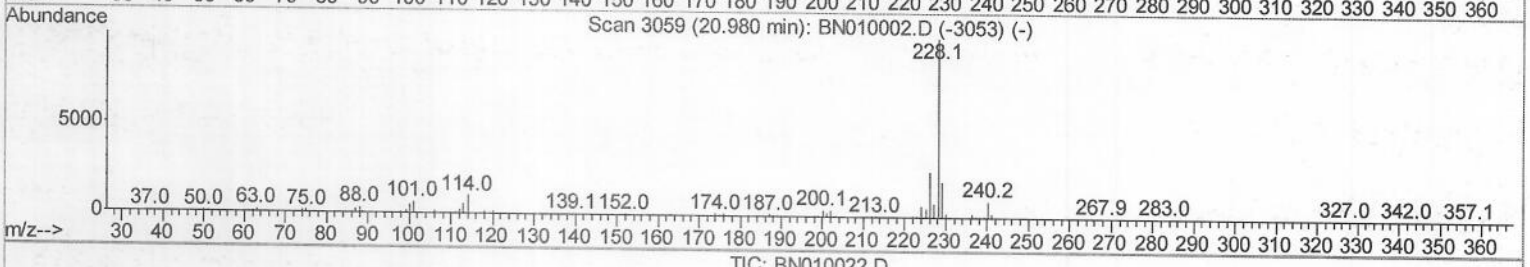
Quant Time: Mar 02 08:06:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM







TIC: BN010022.D

(83) Benzo(a)anthracene

20.986min (+0.000) 1.24ng/ul m> SV 03/04/20

response 34548

Ion	Exp%	Act%
228.00	100	100
229.00	18.70	22.60#
226.00	26.80	26.58
0.00	0.00	0.00

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022820\
Data File : BN010022.D
Acq On : 29 Feb 2020 13:37
Operator : CG/JU
Sample : L1507-07RX
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
DBD05RX

Manual Integrations APPROVED
mohammad
3/3/2020 5:00:16 PM

Quant Time: Mar 02 08:08:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Feb 29 01:38:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	84074	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	369458	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	223675	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	469234	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	405431	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	417135	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.03	96	269	0.13	ng/uL	0.00
5) Phenol-d5	6.61	99	9859m>	1.38	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	6.75	67	8392m>	1.70	ng/ul	0.02
9) 2-Chlorophenol-d4	6.93	132	7703	1.43	ng/ul	0.01
13) 4-Methylphenol-d8	8.12	113	6168	1.08	ng/ul	0.03
19) Nitrobenzene-d5	8.55	128	3496	1.29	ng/ul	0.03
22) 2-Nitrophenol-d4	9.25	143	3000m>	1.01	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.85	165	6861m>	1.21	ng/ul	0.08
29) 4-Chloroaniline-d4	10.35	131	9007m>	1.41	ng/ul	0.08
44) Dimethylphthalate-d6	13.46	166	28328	1.70	ng/ul	0.02
47) Acenaphthylene-d8	13.71	160	32759	1.66	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.03	176	24475	1.70	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	16.89	188	39977	1.86	ng/ul	0.01
79) Pyrene-d10	19.19	212	43268	2.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	45970	2.21	ng/ul	0.00
Target Compounds						Qvalue
77) Fluoranthene	18.86	202	122848	3.916	ng/ul	97
80) Pyrene	19.22	202	92673	3.171	ng/ul#	93
83) Benzo(a)anthracene	20.99	228	34548m>	1.240	ng/ul	

JV 03/04/20

JV 03/04/20

JV 03/04/20

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