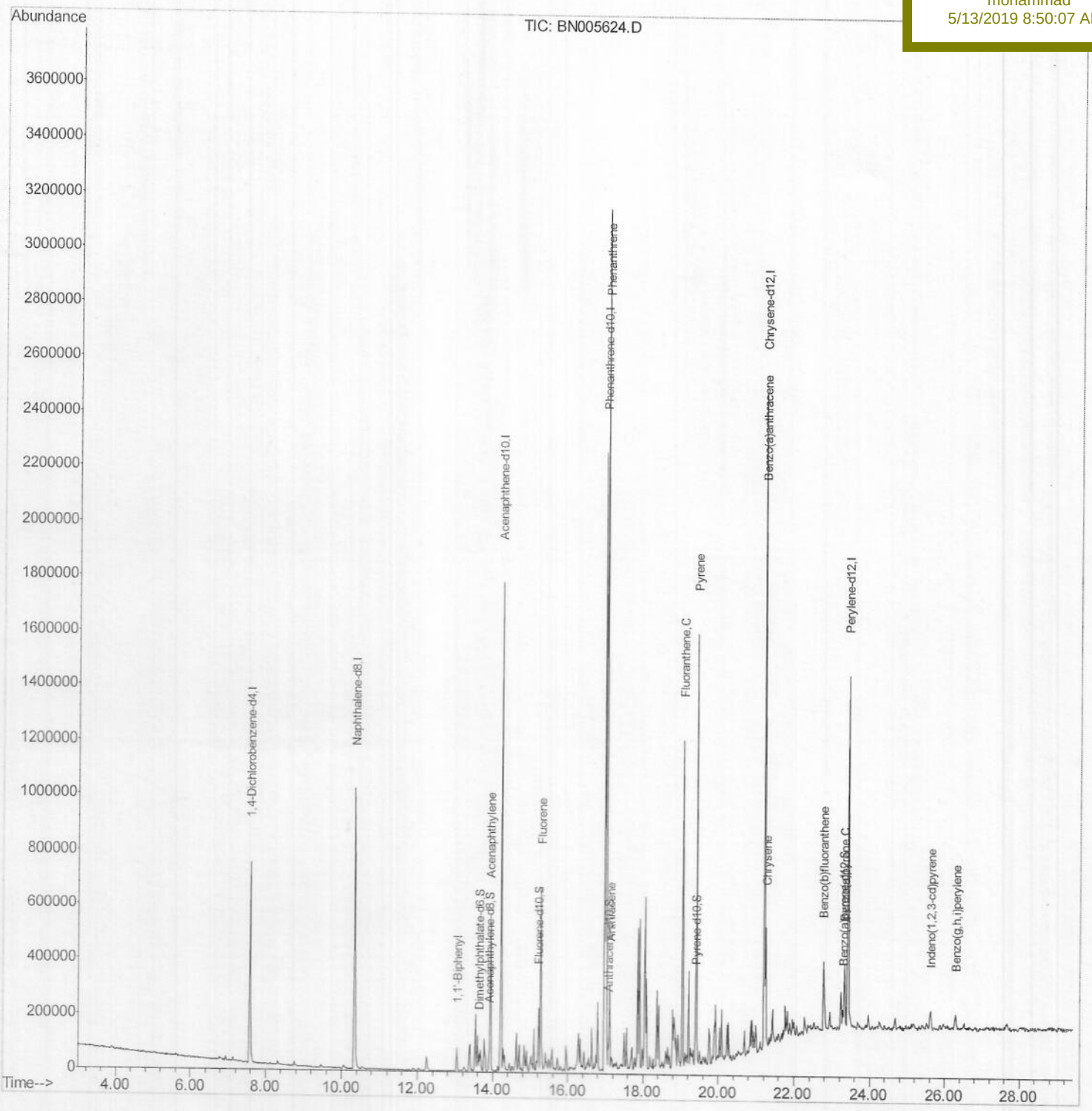
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 01:32:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



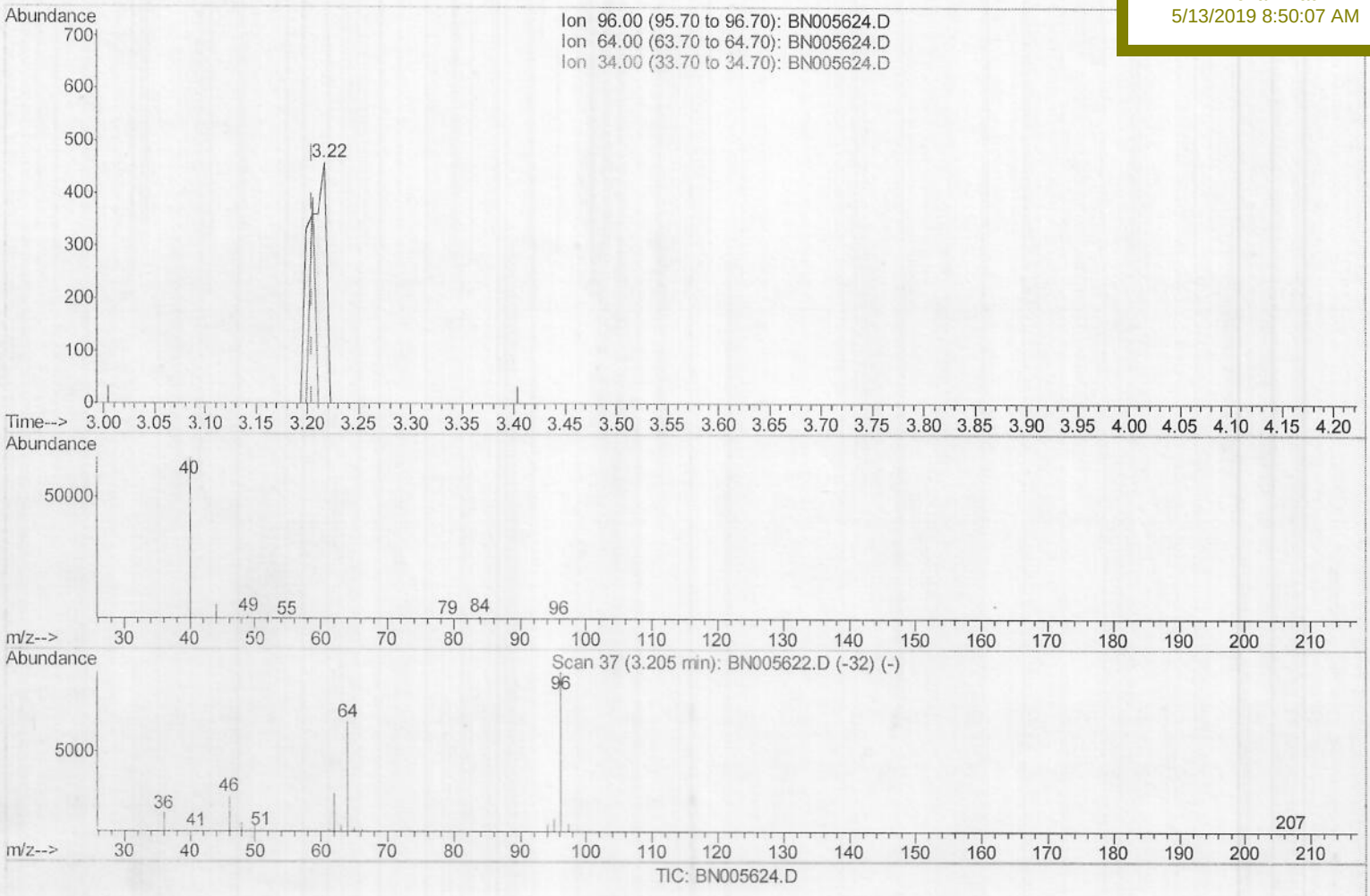
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

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

3.217min (+0.012) 0.04ng/uL

response 162

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	0.00#
34.00	0.00	0.00
0.00	0.00	0.00

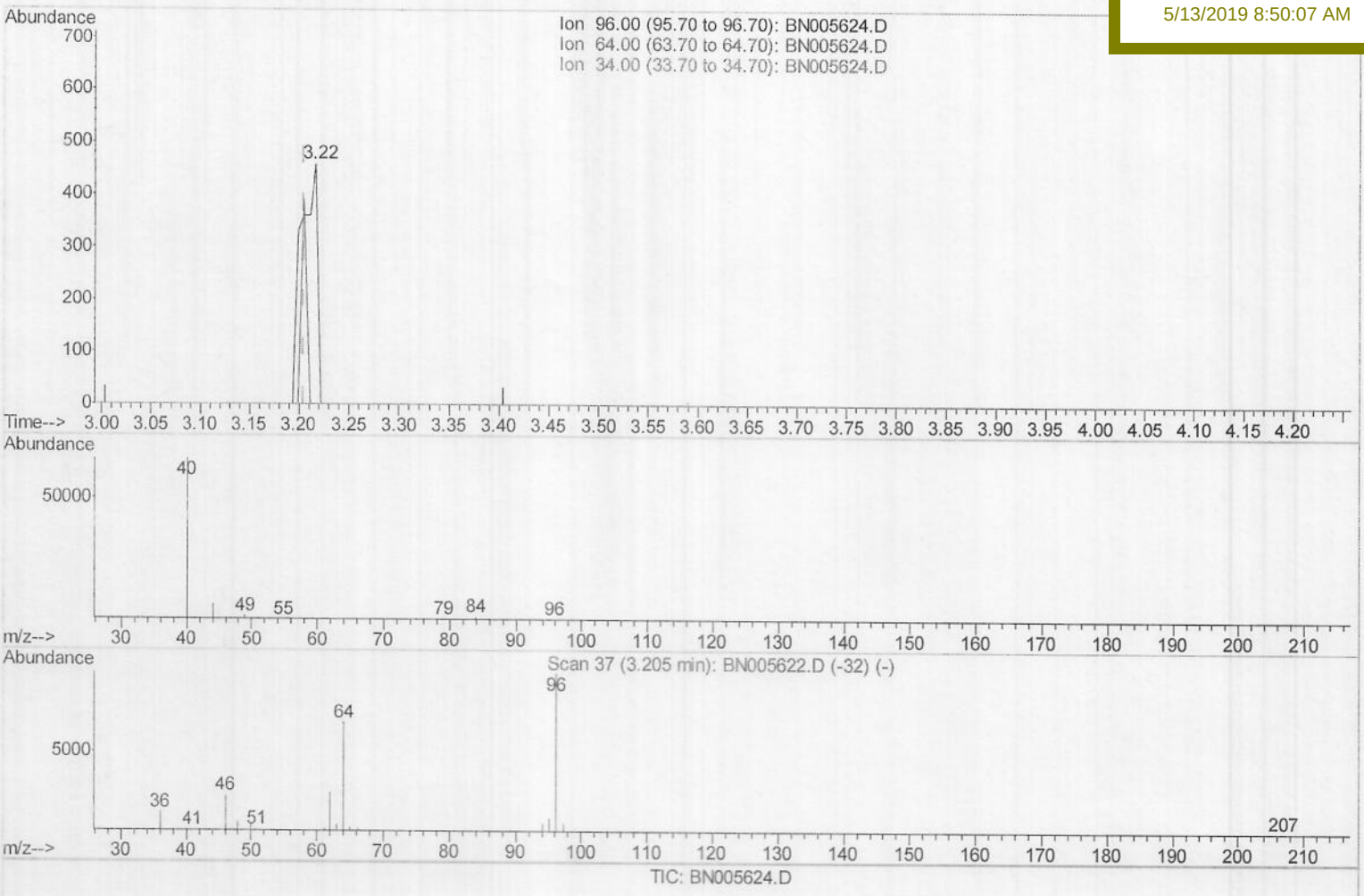
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

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

3.217min (+0.012) 0.12ng/uL m

response 534

JU 05/12/19

Ion	Exp%	Act%
96.00	100	100
64.00	77.40	0.00#
34.00	0.00	0.00
0.00	0.00	0.00

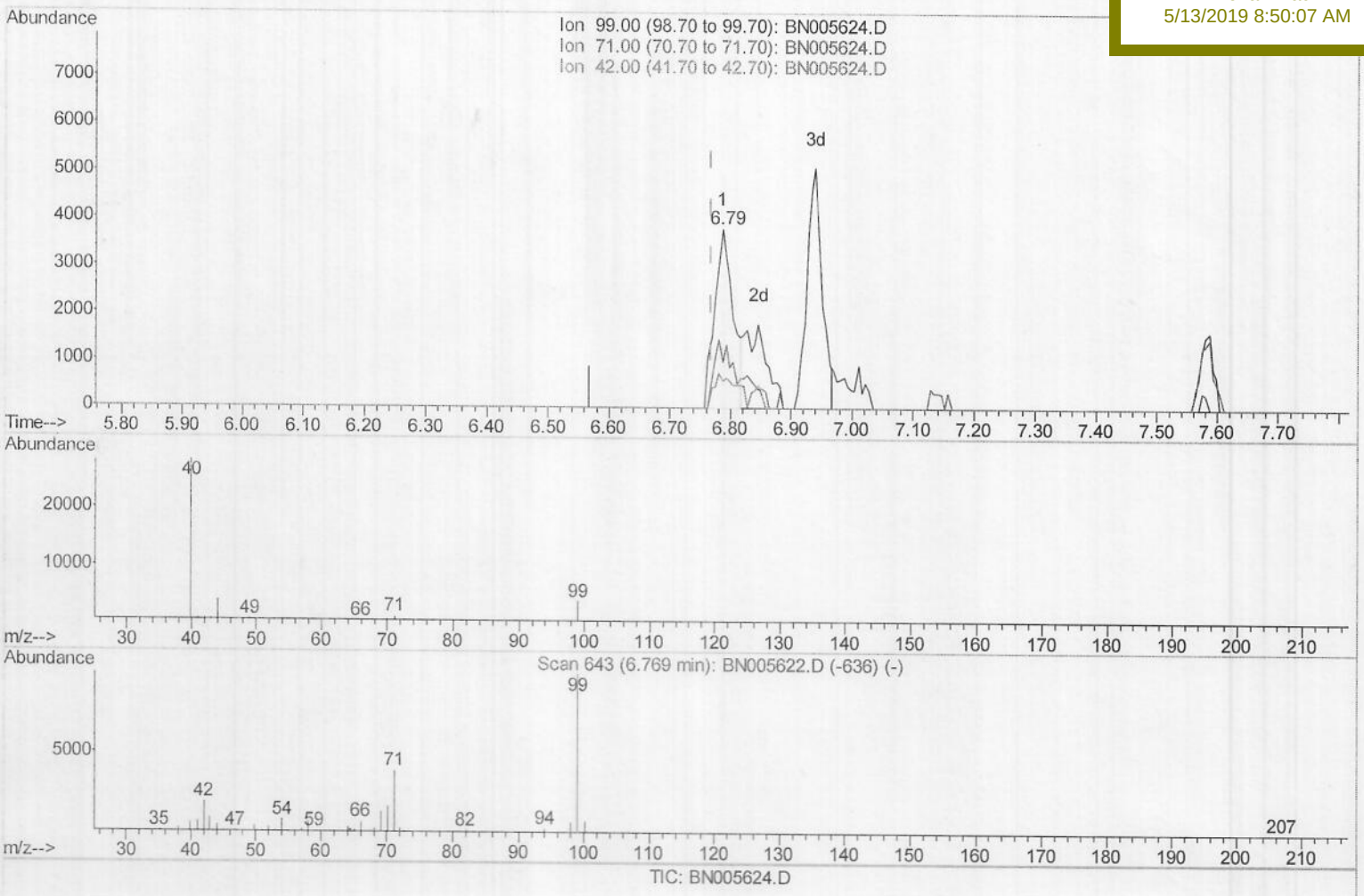
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

(5) Phenol-d5 (S)

6.787min (+0.018) 0.47ng/ul

response 7958

Ion	Exp%	Act%
99.00	100	100
71.00	36.30	25.63#
42.00	19.60	14.99#
0.00	0.00	0.00

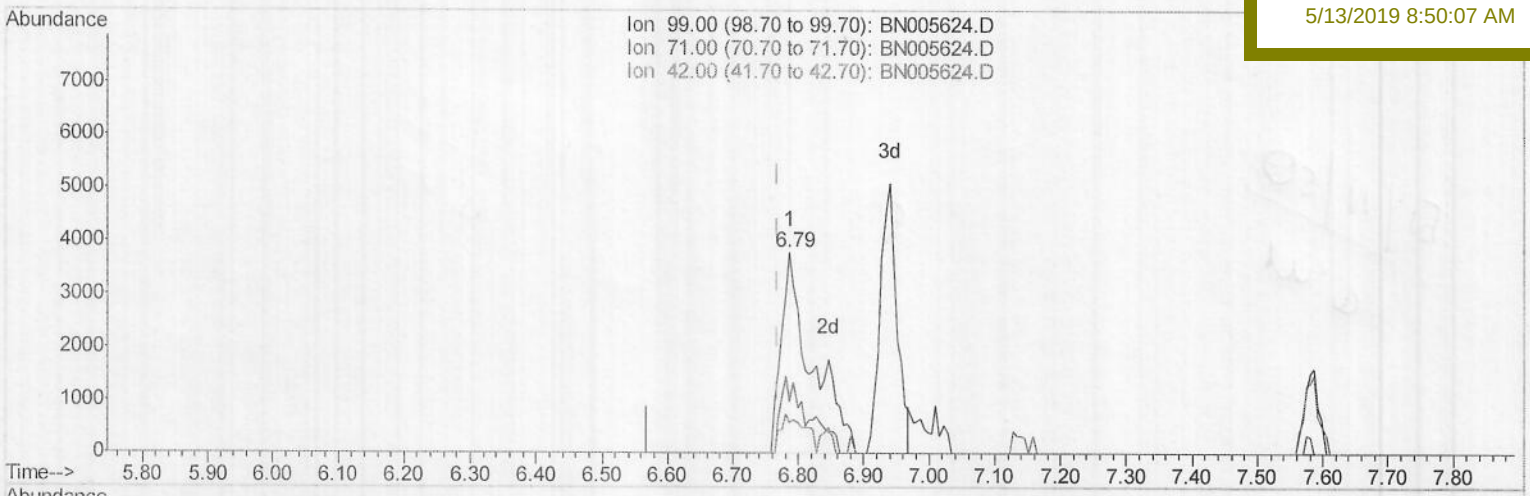
Quantitation Report (Qedit)

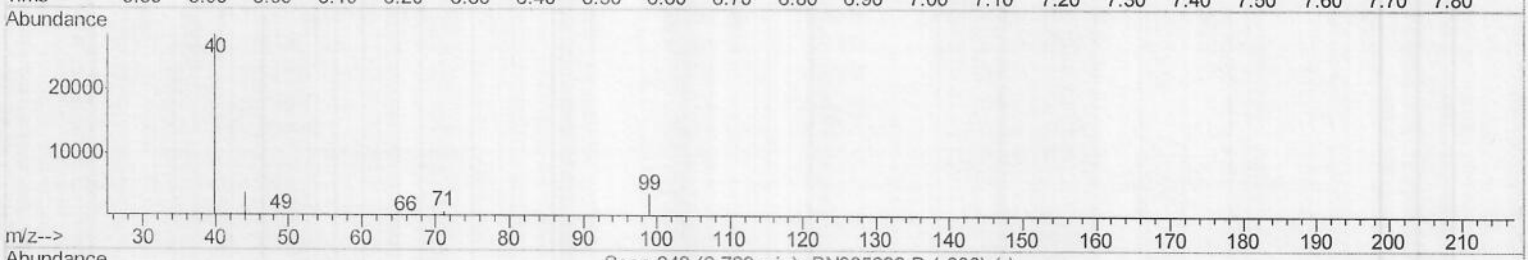
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

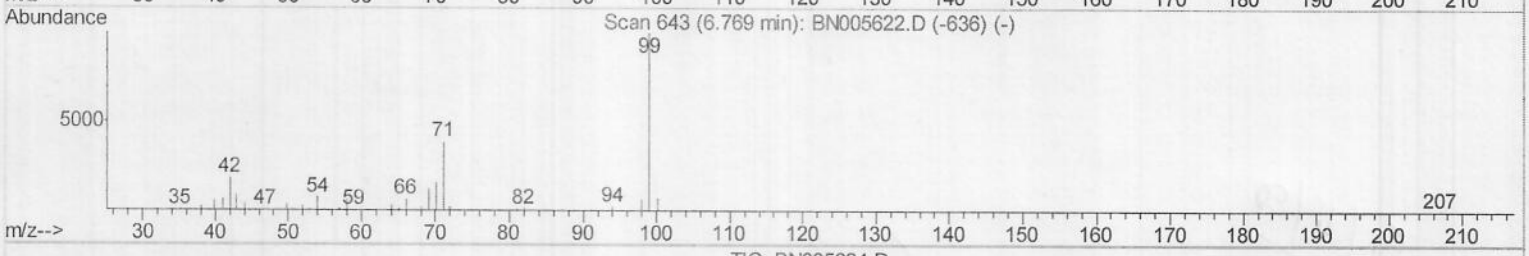
Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM







TIC: BN005624.D

(5) Phenol-d5 (S)

6.787min (+0.018) 0.73ng/ul m

response 12311

JU 05/12/19

Ion	Exp%	Act%
99.00	100	100
71.00	36.30	25.63#
42.00	19.60	14.99#
0.00	0.00	0.00

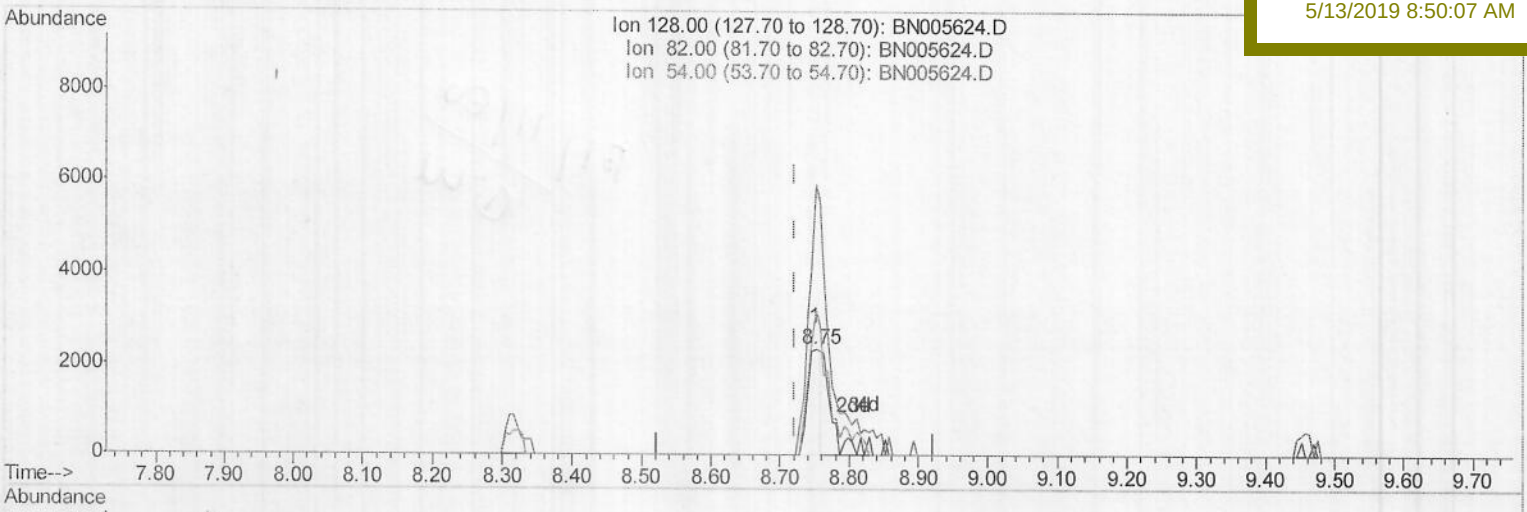
Quantitation Report (Qedit)

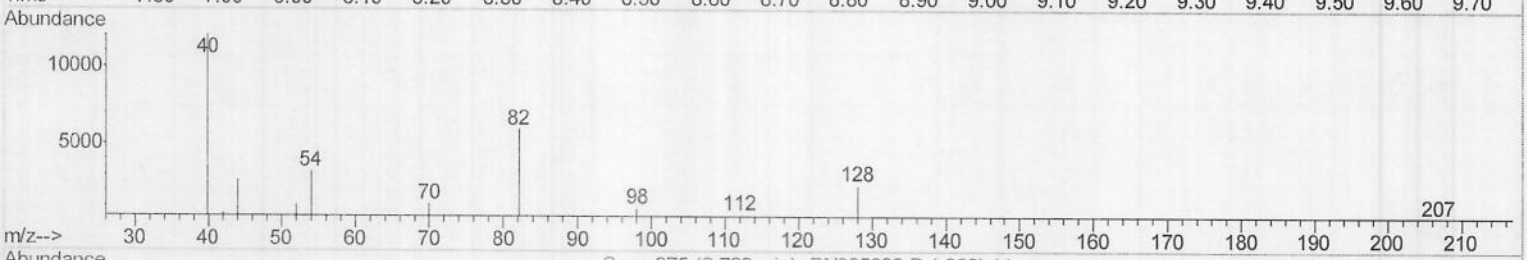
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

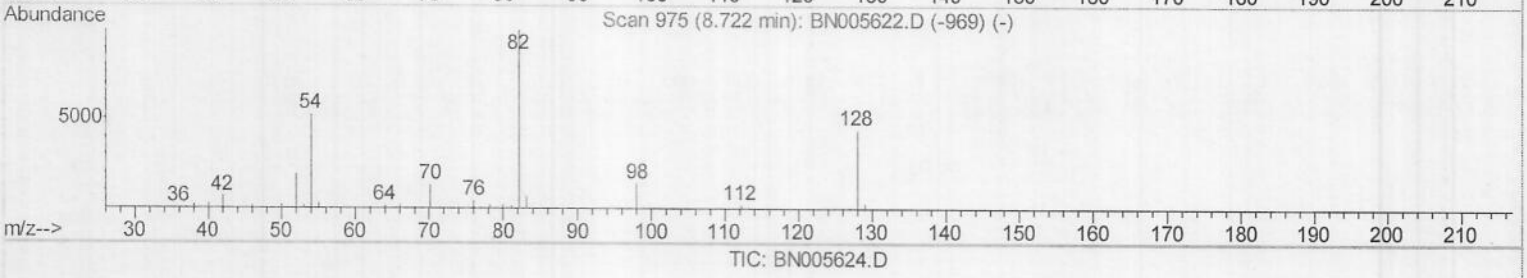
Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM







TIC: BN005624.D

(19) Nitrobenzene-d5 (S)

8.752min (+0.029) 0.54ng/ul

response 3168

Ion	Exp%	Act%
128.00	100	100
82.00	260.20	252.26
54.00	147.90	135.96
0.00	0.00	0.00

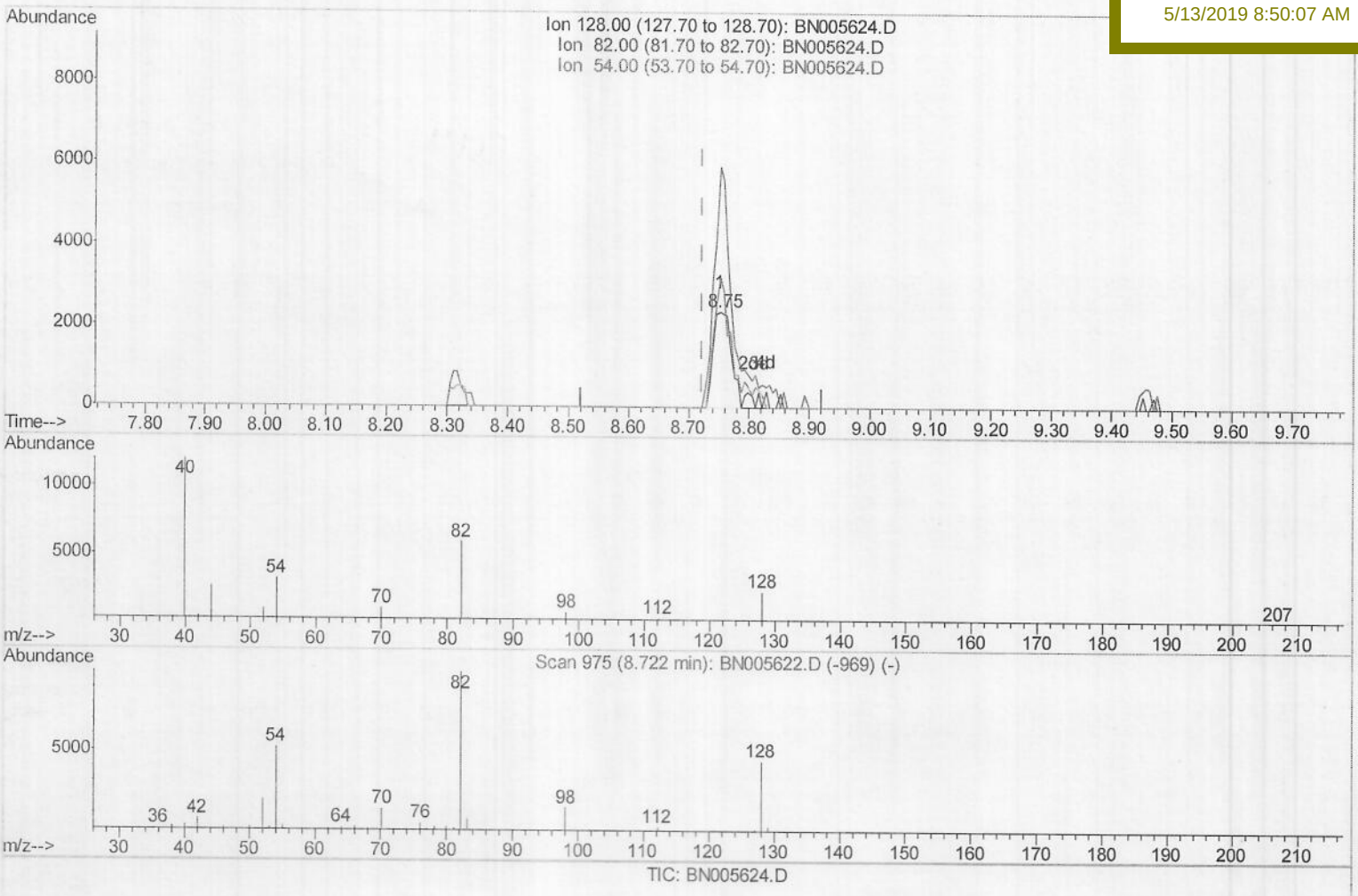
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

(19) Nitrobenzene-d5 (S)

8.752min (+0.029) 0.85ng/ul m

response 4986

Ion	Exp%	Act%
128.00	100	100
82.00	260.20	252.26
54.00	147.90	135.96
0.00	0.00	0.00

JU 05/11/19

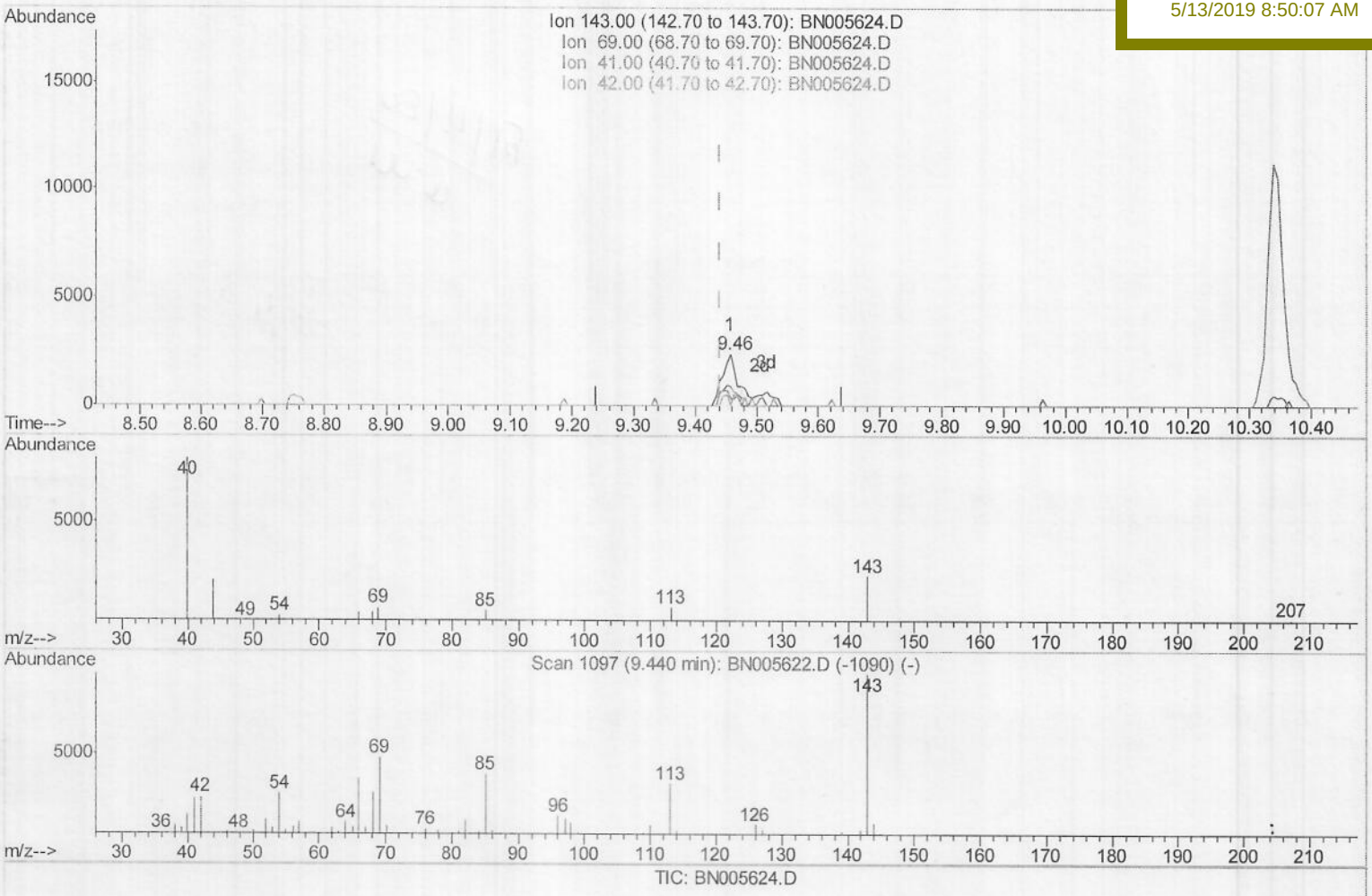
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



(22) 2-Nitrophenol-d4 (S)

9.457min (+0.018) 0.65ng/ul

response 3897

Ion	Exp%	Act%
143.00	100	100
69.00	58.30	37.31#
41.00	26.40	14.67#
42.00	29.20	0.00#

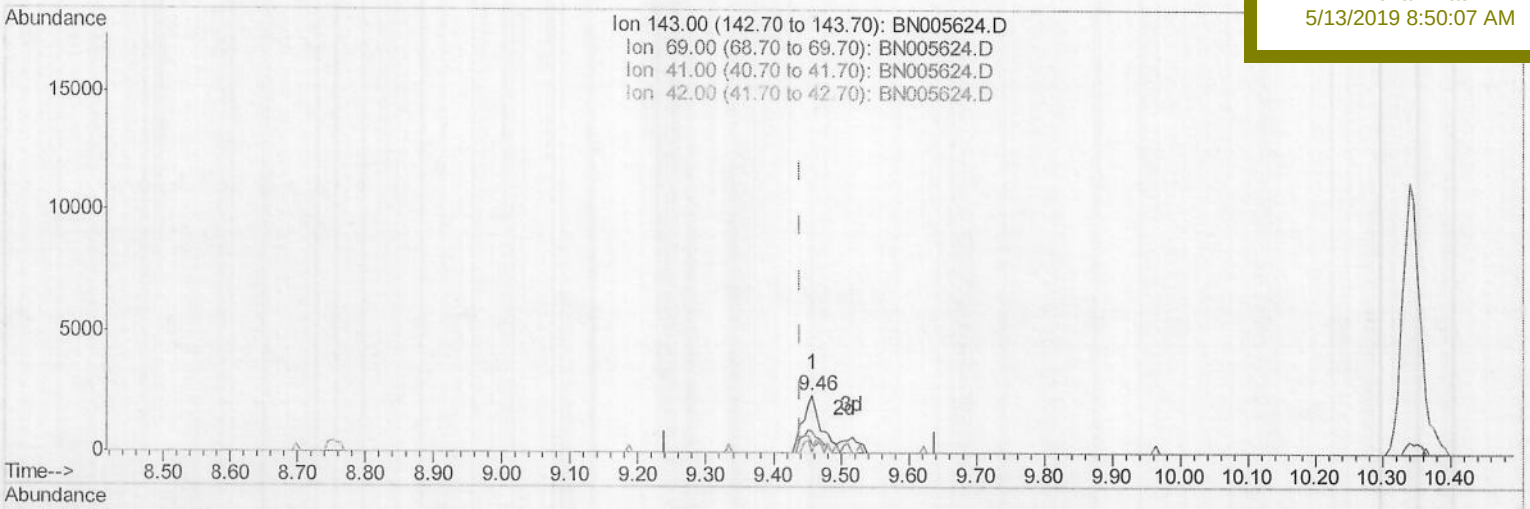
Quantitation Report (Qedit)

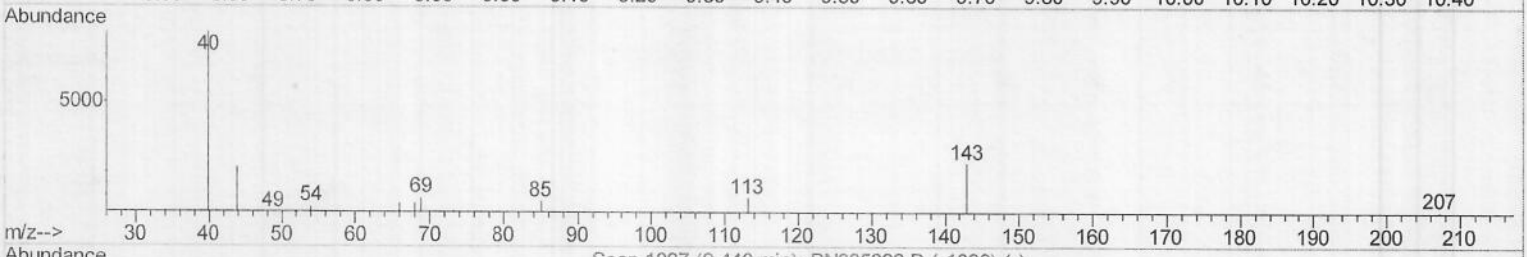
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

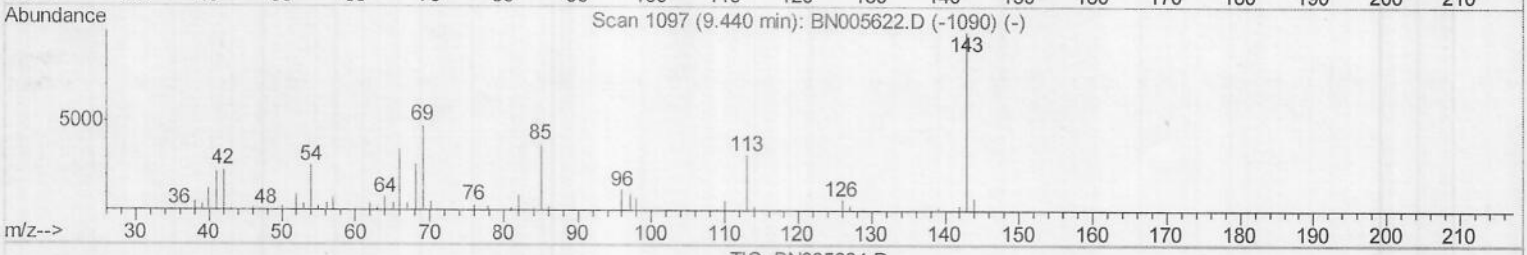
Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM







TIC: BN005624.D

(22) 2-Nitrophenol-d4 (S)

9.457min (+0.018) 0.75ng/ul m

response 4484

Ion	Exp%	Act%
143.00	100	100
69.00	58.30	37.31#
41.00	26.40	14.67#
42.00	29.20	0.00#

JU
05/12/19

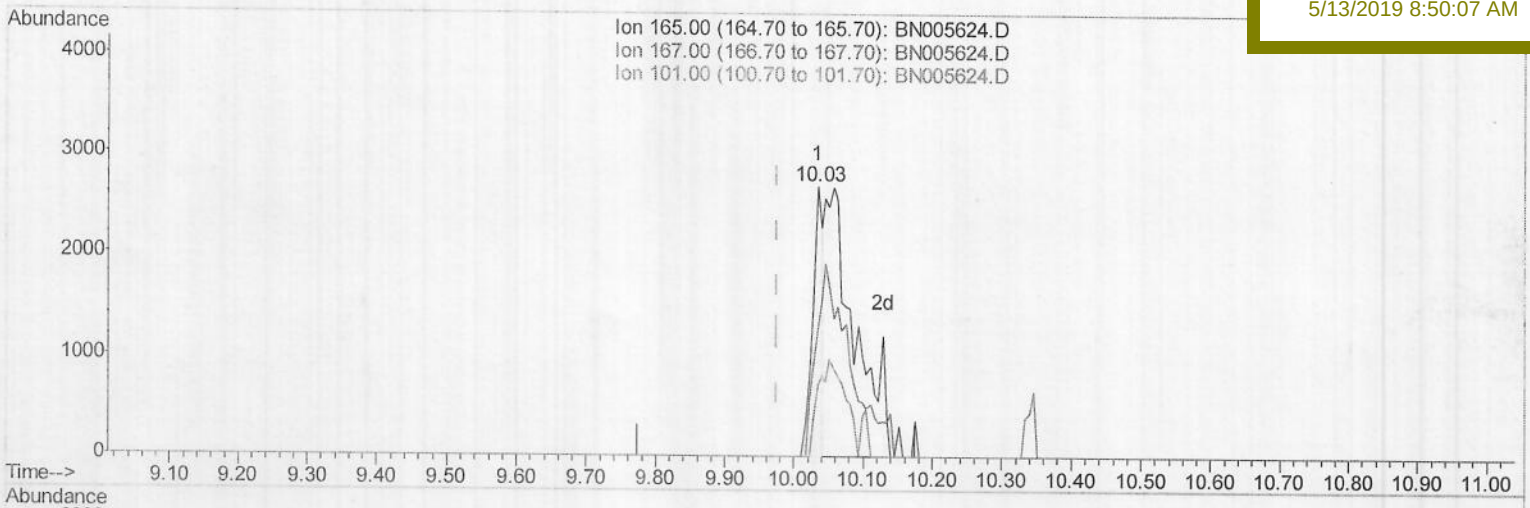
Quantitation Report (Qedit)

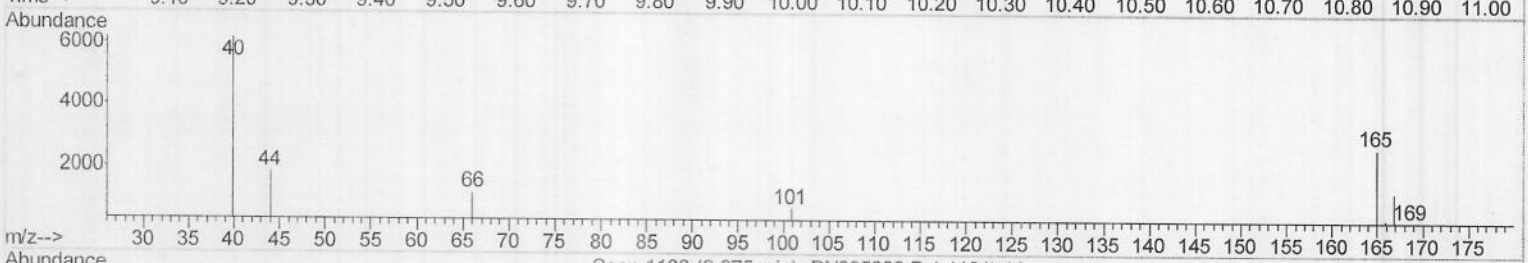
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

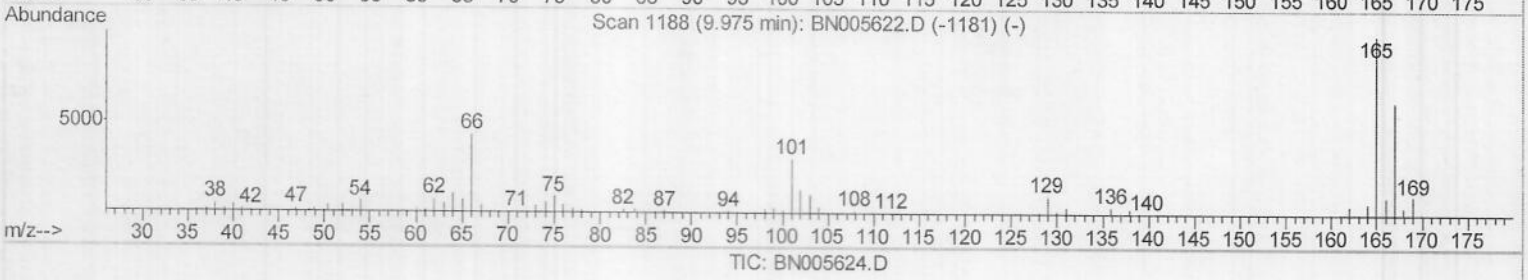
Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM







TIC: BN005624.D

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

10.034min (+0.059) 0.20ng/ul

response 2688

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	47.76#
101.00	37.50	26.79#
0.00	0.00	0.00

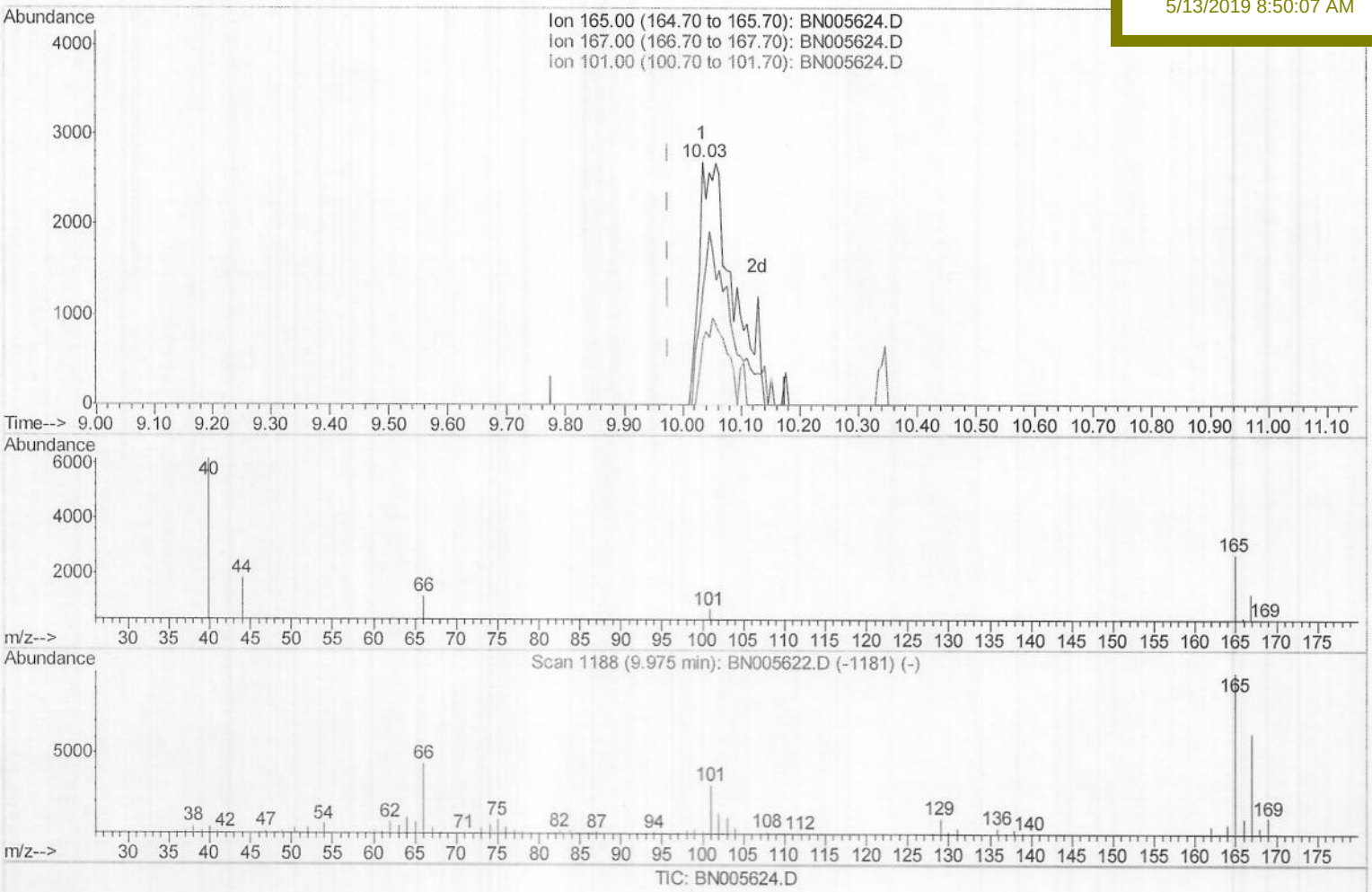
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

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

10.034min (+0.059) 0.78ng/ul m

response 10727

Ion	Exp%	Act%
165.00	100	100
167.00	64.10	47.76#
101.00	37.50	26.79#
0.00	0.00	0.00

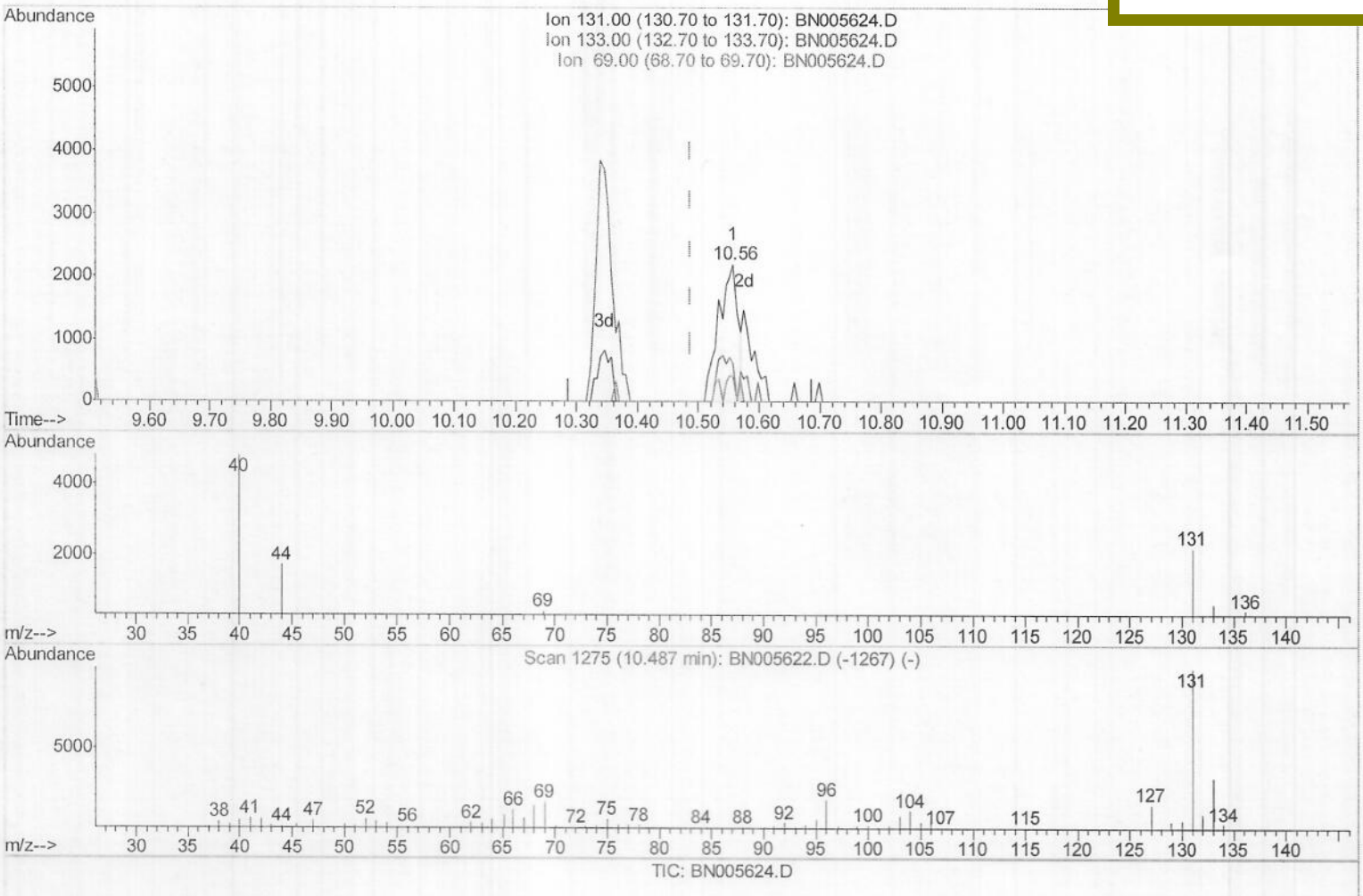
JU 05/12/19

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

(29) 4-Chloroaniline-d4 (S)

10.557min (+0.070) 0.34ng/ul

response 4762

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	28.56
69.00	18.90	19.17
0.00	0.00	0.00

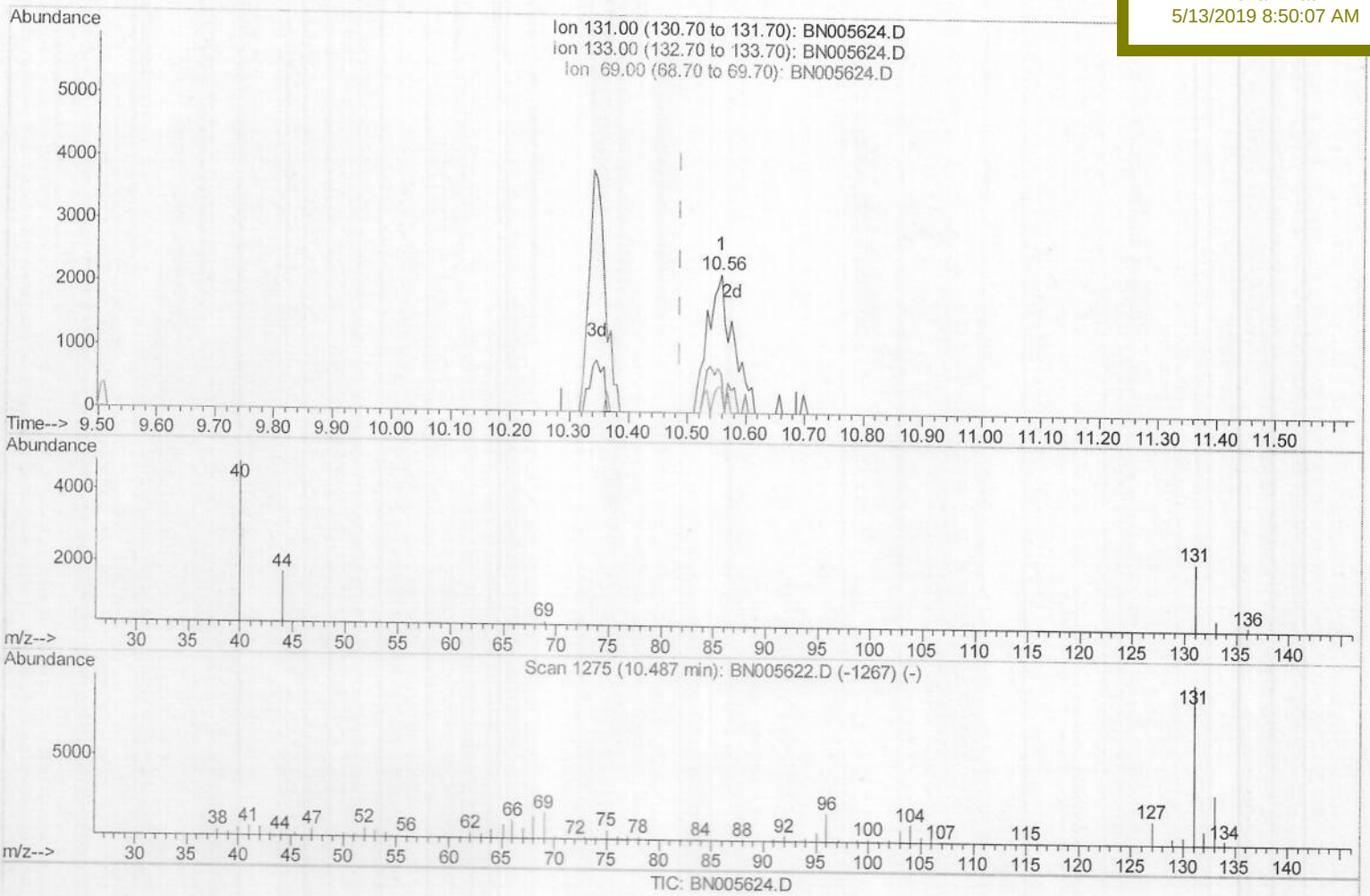
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:20:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

(29) 4-Chloroaniline-d4 (S)

10.557min (+0.070) 0.47ng/ul m

response 6664

Ion	Exp%	Act%
131.00	100	100
133.00	33.60	28.56
69.00	18.90	19.17
0.00	0.00	0.00

JU
05/12/19

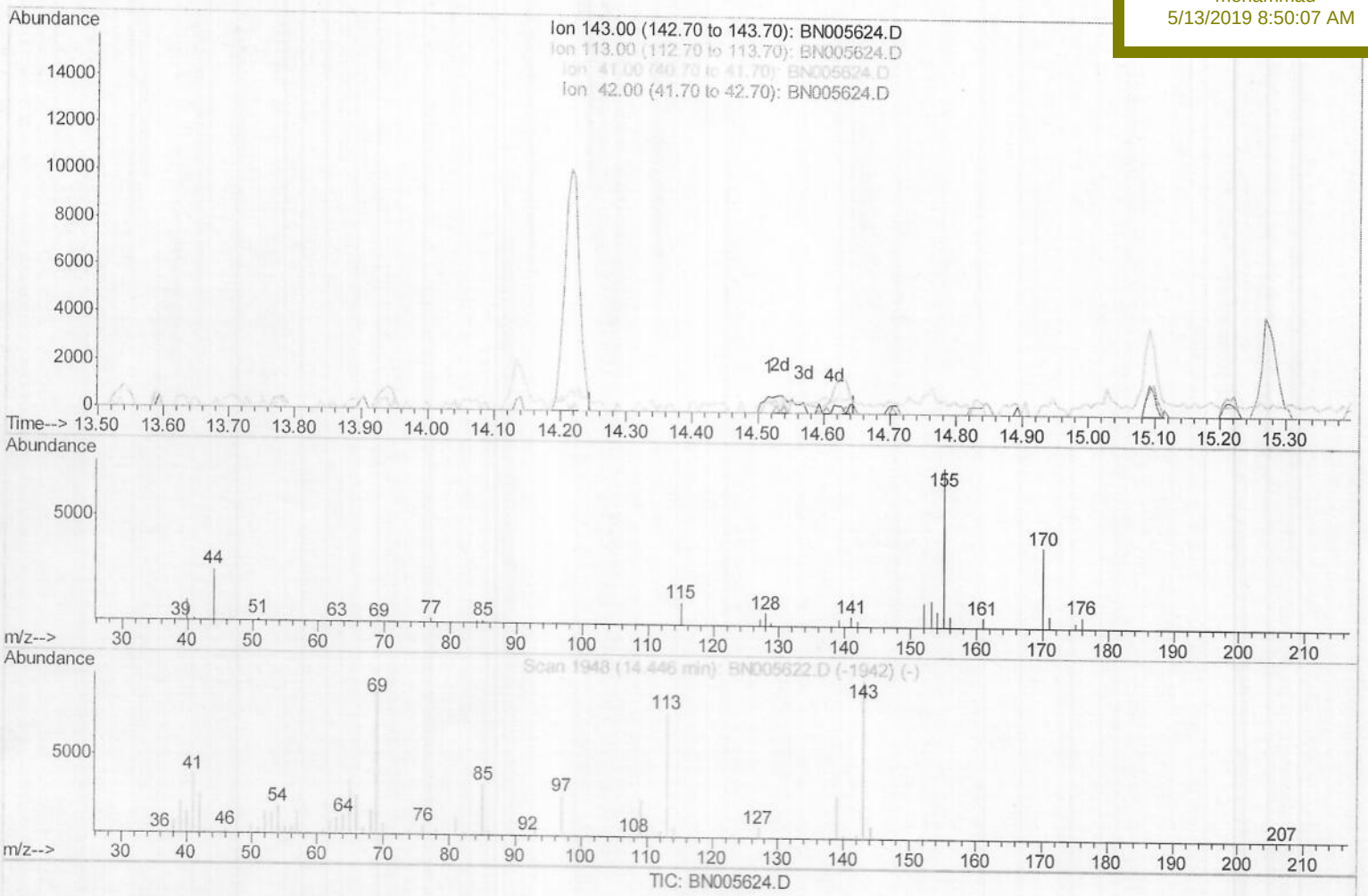
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:54:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



(51) 4-Nitrophenol-d4 (S)

14.446min (-14.446) 0.00ng/ul d

response 0

Ion	Exp%	Act%
143.00	100	0.00
113.00	82.50	0.00
41.00	47.90	0.00
42.00	31.70	0.00

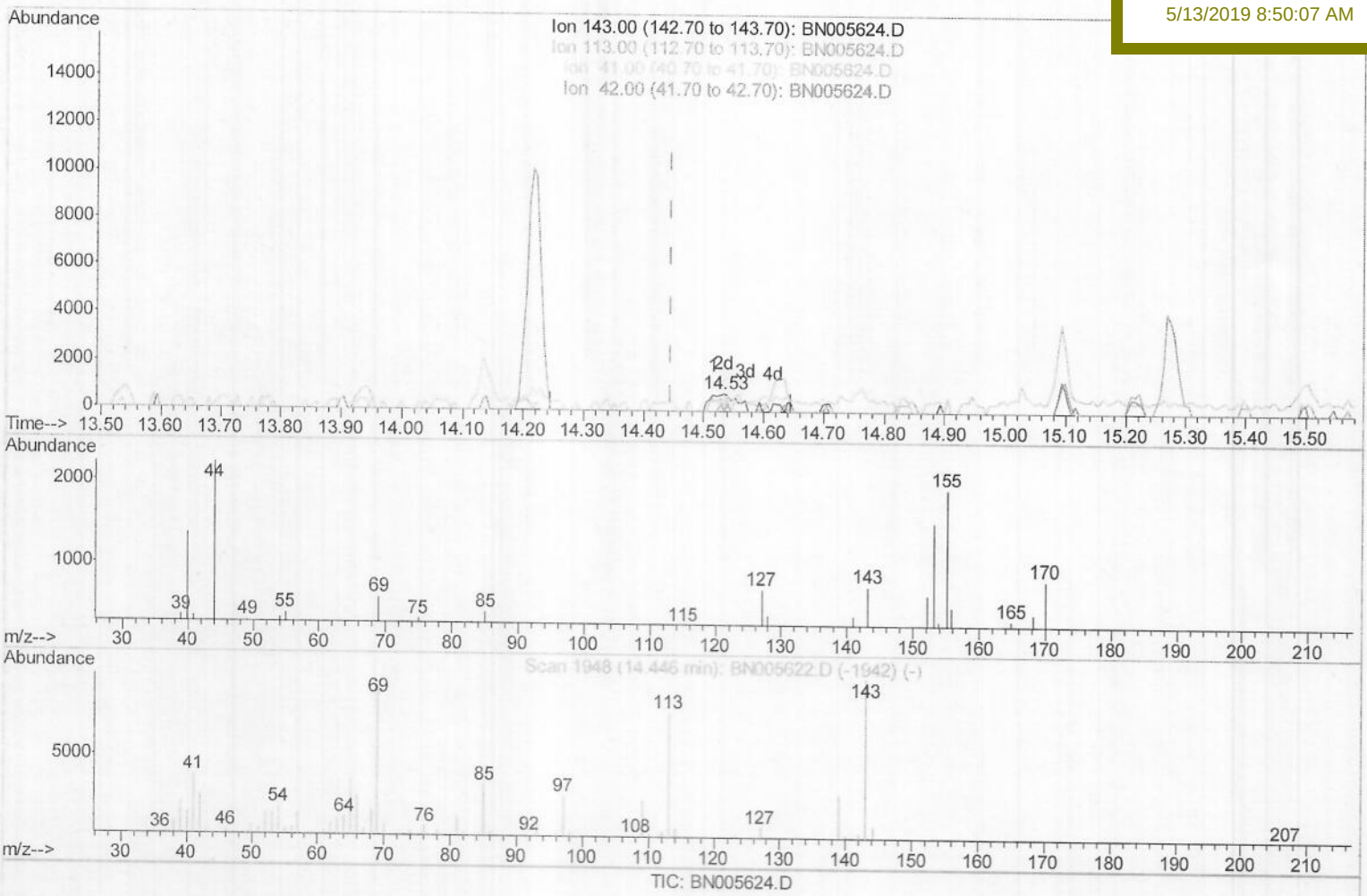
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:54:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



(51) 4-Nitrophenol-d4 (S)

14.534min (+0.088) 0.34ng/ul m

response 2350

Ion	Exp%	Act%
143.00	100	100
113.00	82.50	0.00#
41.00	47.90	47.97
42.00	31.70	0.00#

JU 05/12/19

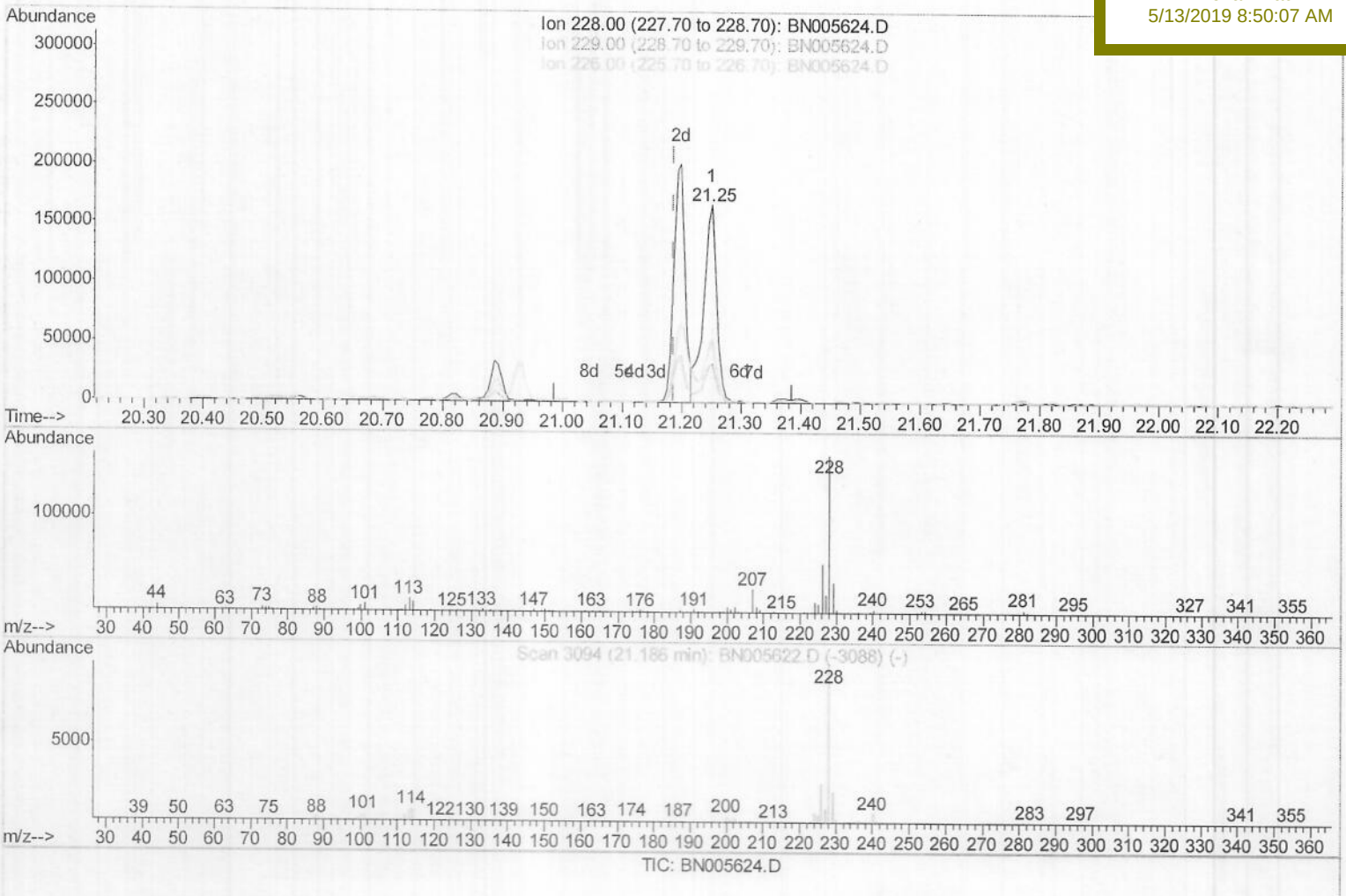
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:54:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

(82) Benzo(a)anthracene

21.251min (+0.065) 4.07ng/ul

response 252740

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	19.17
226.00	26.80	31.25
0.00	0.00	0.00

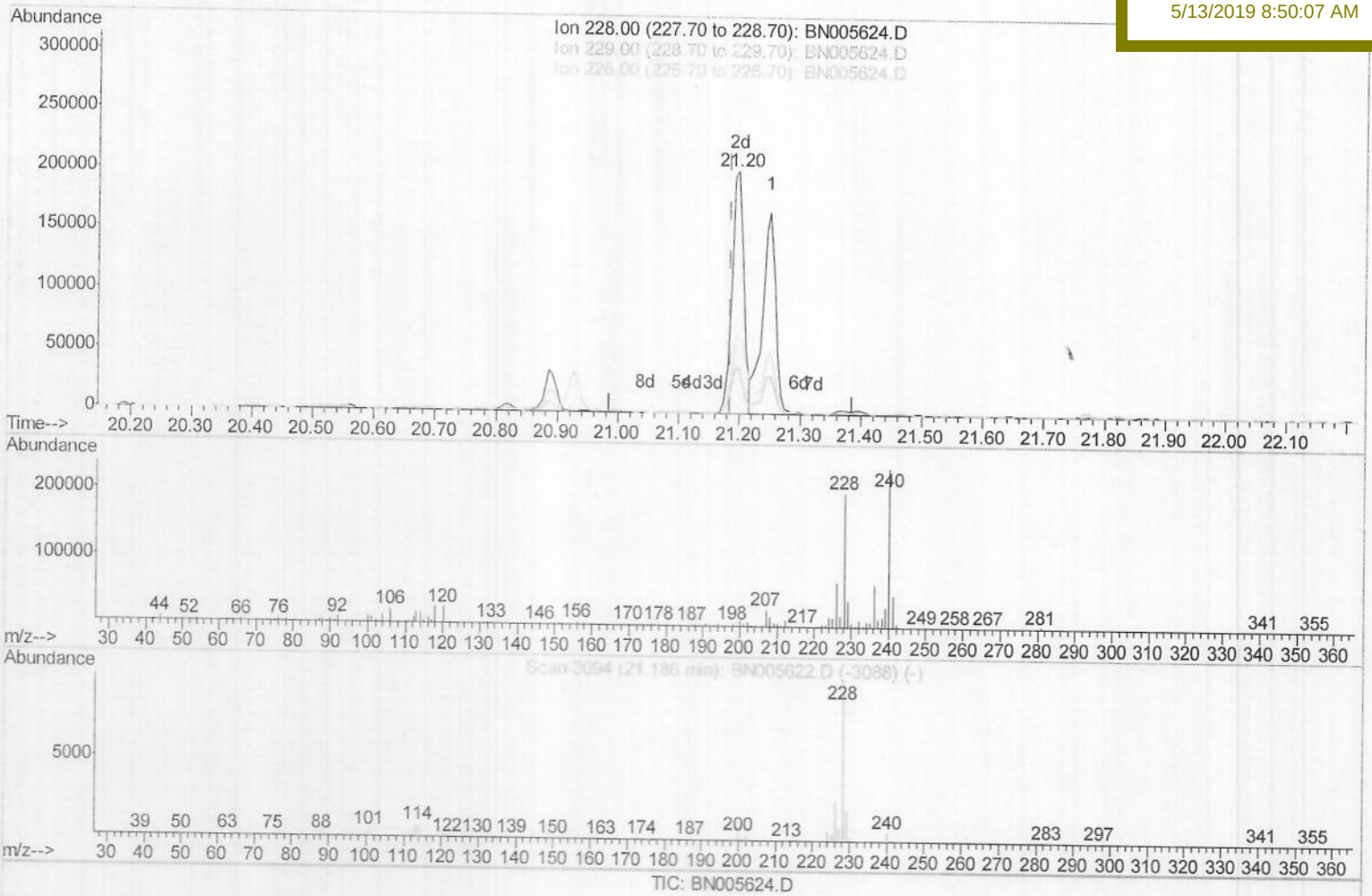
Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 23:54:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM



TIC: BN005624.D

(82) Benzo(a)anthracene

21.198min (+0.012) 4.40ng/ul m

response 272997

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	19.54
226.00	26.80	33.02#
0.00	0.00	0.00

JU 05/12/19

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN051119\
Data File : BN005624.D
Acq On : 11 May 2019 13:42
Operator : JU/SJ
Sample : K2603-06MEDL 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 01:32:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 11 23:17:30 2019
Response via : Initial Calibration

Instrument : BNA_N
ClientSampleId : GAJ58MEDL

Manual Integrations APPROVED
mohammad
5/13/2019 8:50:07 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	214949	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	956116	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	596704	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	1327617	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	997089	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	962442	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	534m	0.12	ng/uL	0.01
5) Phenol-d5	6.79	99	12311m	0.73	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.93	67	7198	0.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	8812	0.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.31	113	7470	0.57	ng/ul	0.02
19) Nitrobenzene-d5	8.75	128	4986m	0.85	ng/ul	0.03
22) 2-Nitrophenol-d4	9.46	143	4484m	0.75	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.03	165	10727m	0.78	ng/ul	0.06
29) 4-Chloroaniline-d4	10.56	131	6664m	0.47	ng/ul	0.07
43) Dimethylphthalate-d6	13.64	166	45930	1.06	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	53479	1.01	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	2350m	0.34	ng/ul	0.09
57) Fluorene-d10	15.22	176	45139	1.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.07	188	65575	1.18	ng/ul	0.00
78) Pyrene-d10	19.39	212	68413	1.34	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	46711	1.11	ng/ul	0.01
Target Compounds						Qvalue
40) 1,1'-Biphenyl	13.05	154	51025	1.148	ng/ul#	96
47) Acenaphthylene	13.93	152	364968	6.981	ng/ul	98
58) Fluorene	15.27	166	320503	7.993	ng/ul	97
69) Phenanthrene	17.02	178	1902219	29.420	ng/ul	100
71) Anthracene	17.11	178	201873	3.065	ng/ul	98
76) Fluoranthene	19.05	202	703736	9.813	ng/ul#	94
79) Pyrene	19.42	202	965764	15.043	ng/ul#	94
82) Benzo(a)anthracene	21.20	228	272997m	4.401	ng/ul	
84) Chrysene	21.25	228	252414	4.385	ng/ul	99
87) Benzo(b)fluoranthene	22.77	252	163355	3.019	ng/ul	99
90) Benzo(a)pyrene	23.33	252	118047	2.321	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.62	276	69128	1.230	ng/ul#	92
93) Benzo(g,h,i)perylene	26.29	276	62977	1.355	ng/ul#	92

JU 05/12/19

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