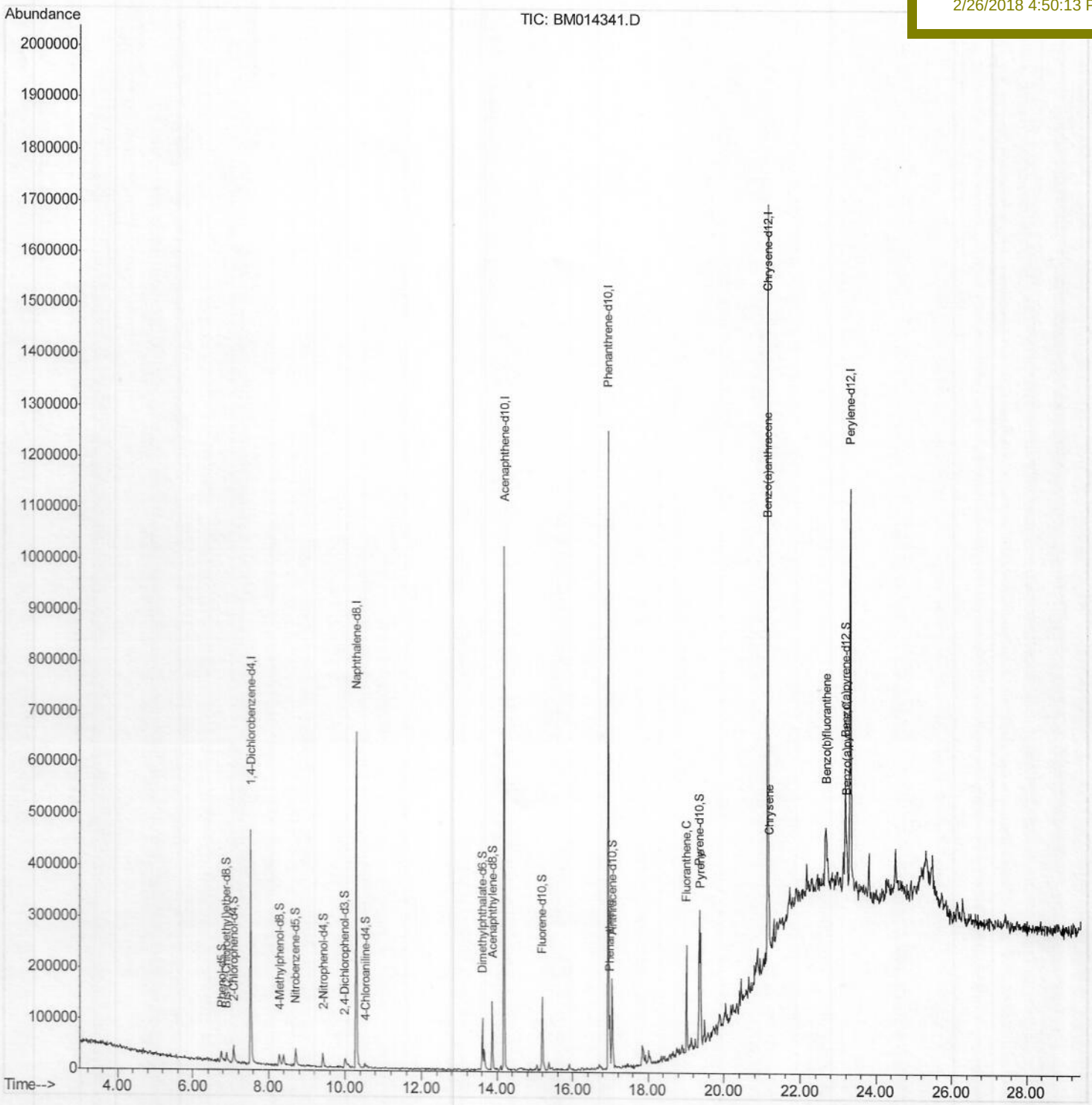
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 01:03:26 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



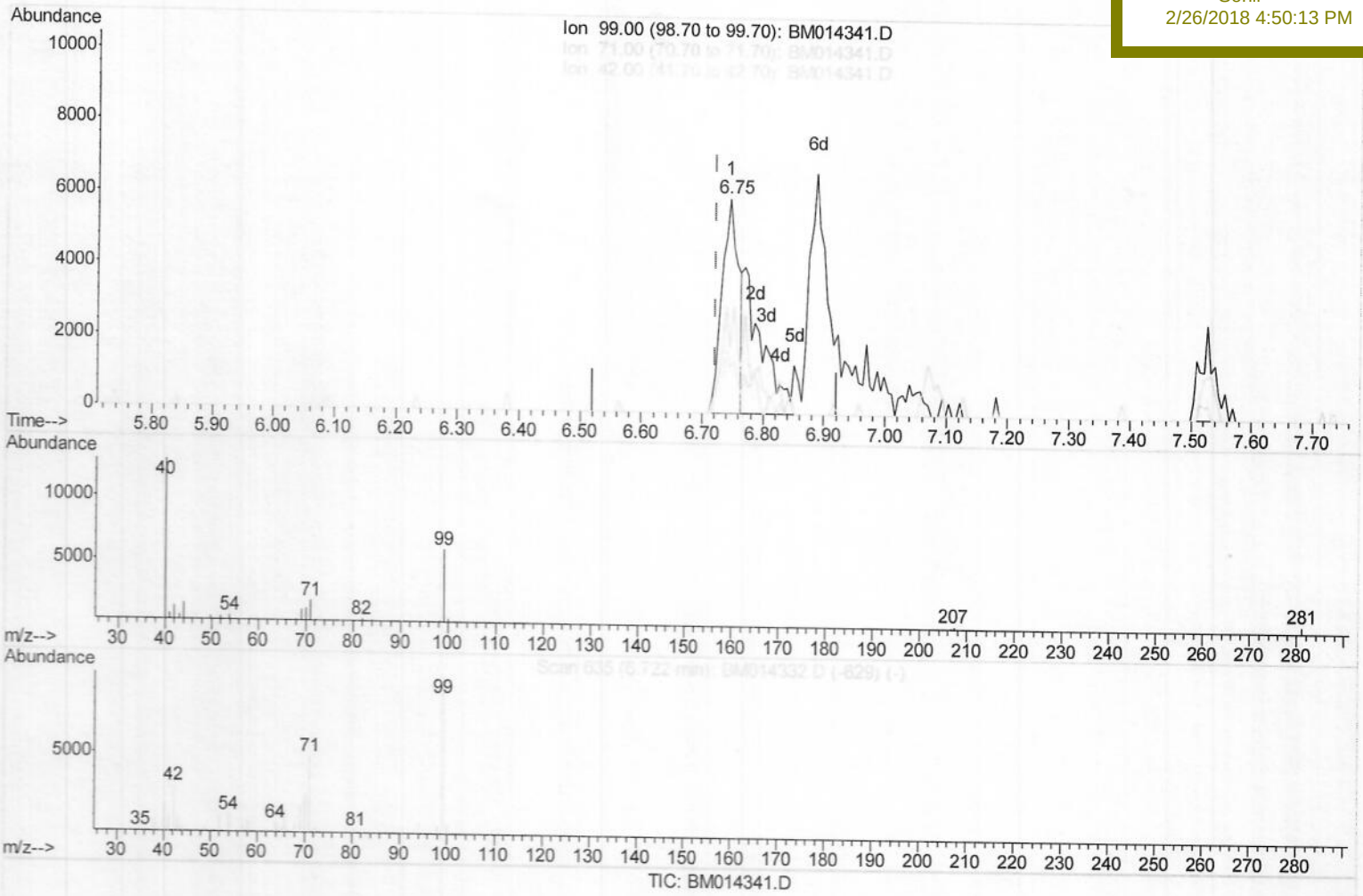
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 23 23:19:54 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



TIC: BM014341.D

(5) Phenol-d5 (S)

6.746min (+0.024) 1.23ng/ul

response 11442

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	30.74#
42.00	24.20	21.95
0.00	0.00	0.00

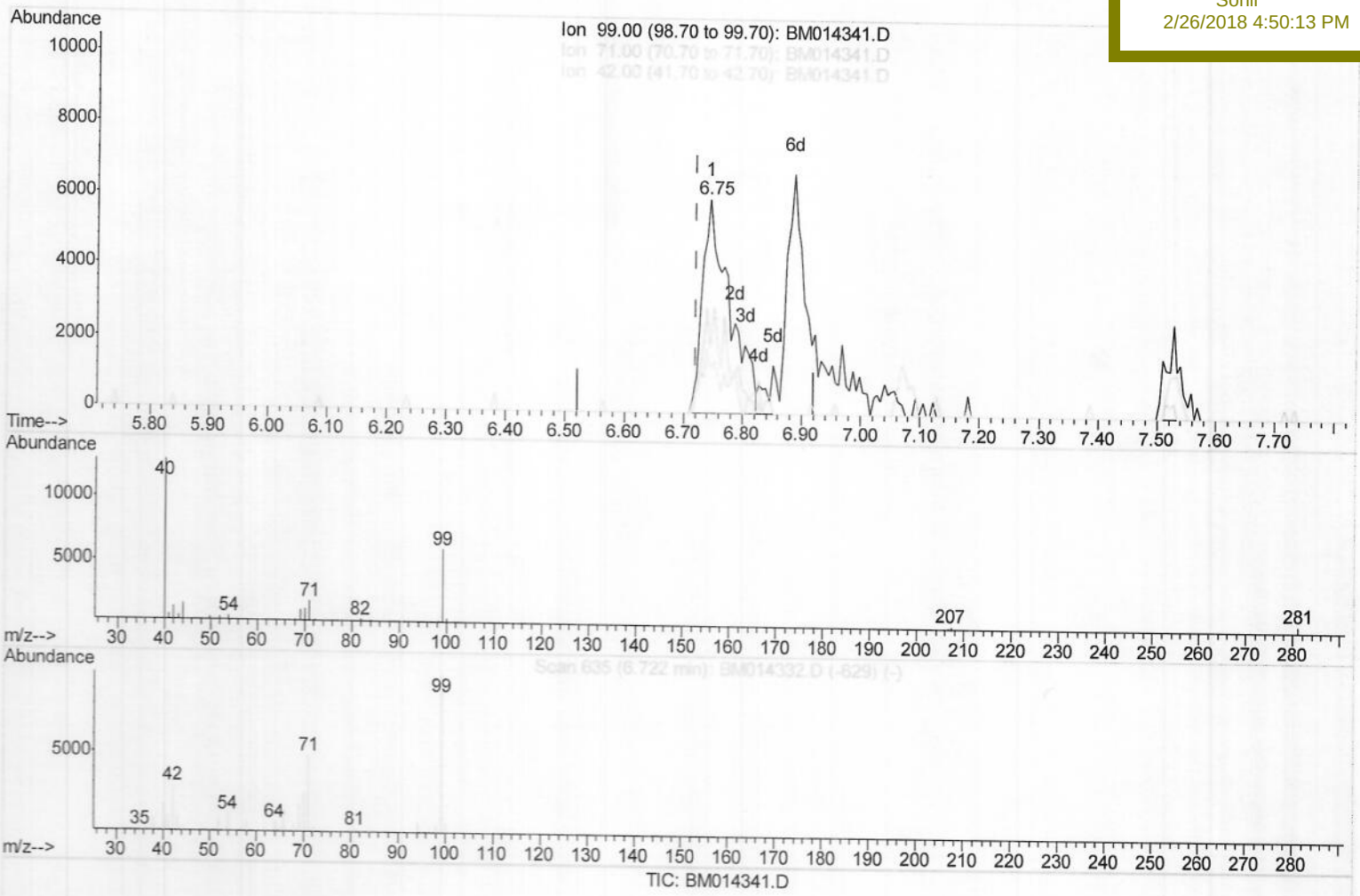
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 23 23:19:54 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



TIC: BM014341.D

(5) Phenol-d5 (S)

6.746min (+0.024) 2.05ng/ul m → SJ 03/08/18

response 19183

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	30.74#
42.00	24.20	21.95
0.00	0.00	0.00

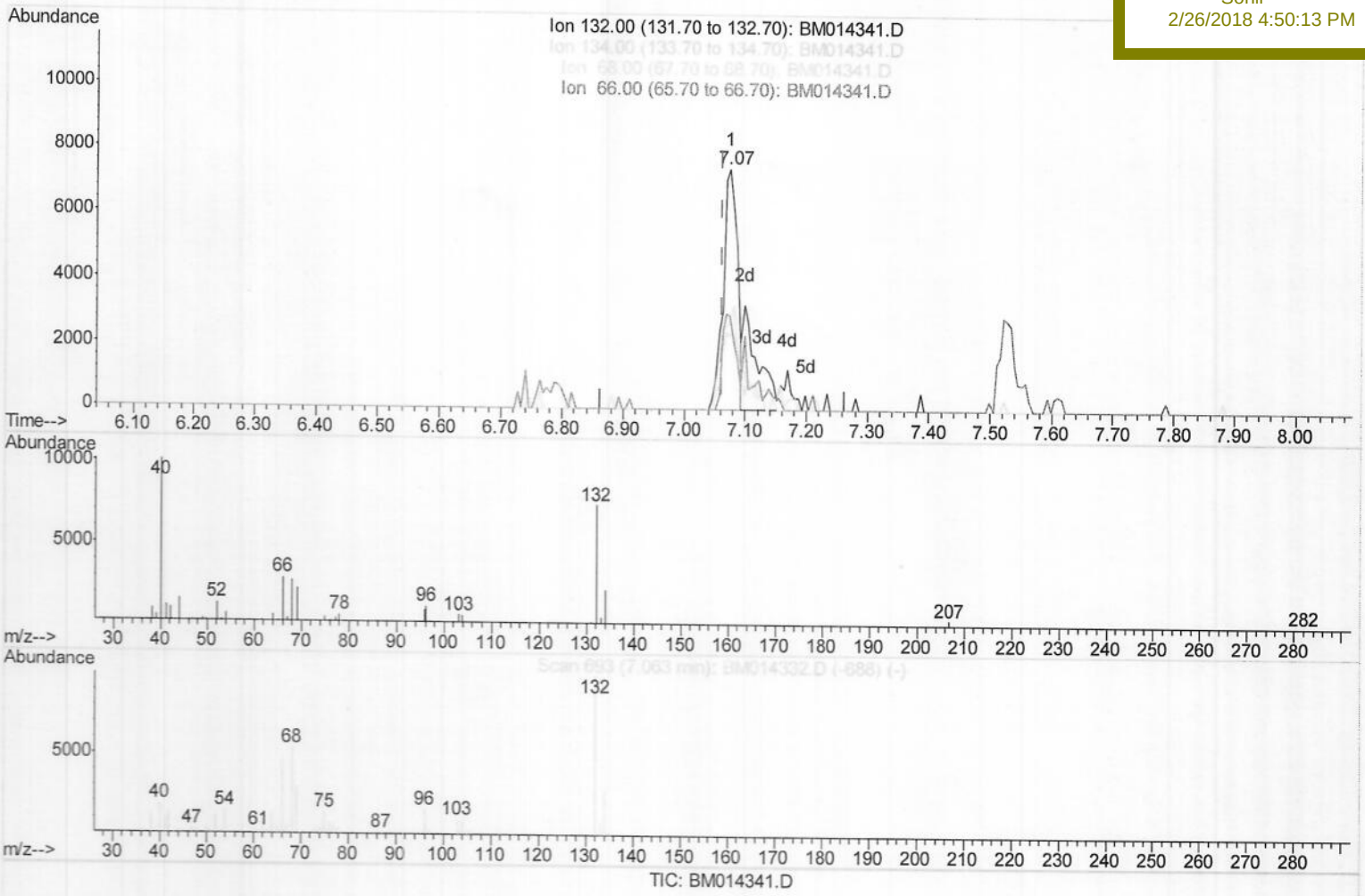
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 23 23:19:54 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



TIC: BM014341.D

(9) 2-Chlorophenol-d4 (S)

7.075min (+0.012) 1.70ng/ul

response 12210

Ion	Exp%	Act%
132.00	100	100
134.00	34.10	31.58
68.00	51.20	37.40#
66.00	41.70	39.66

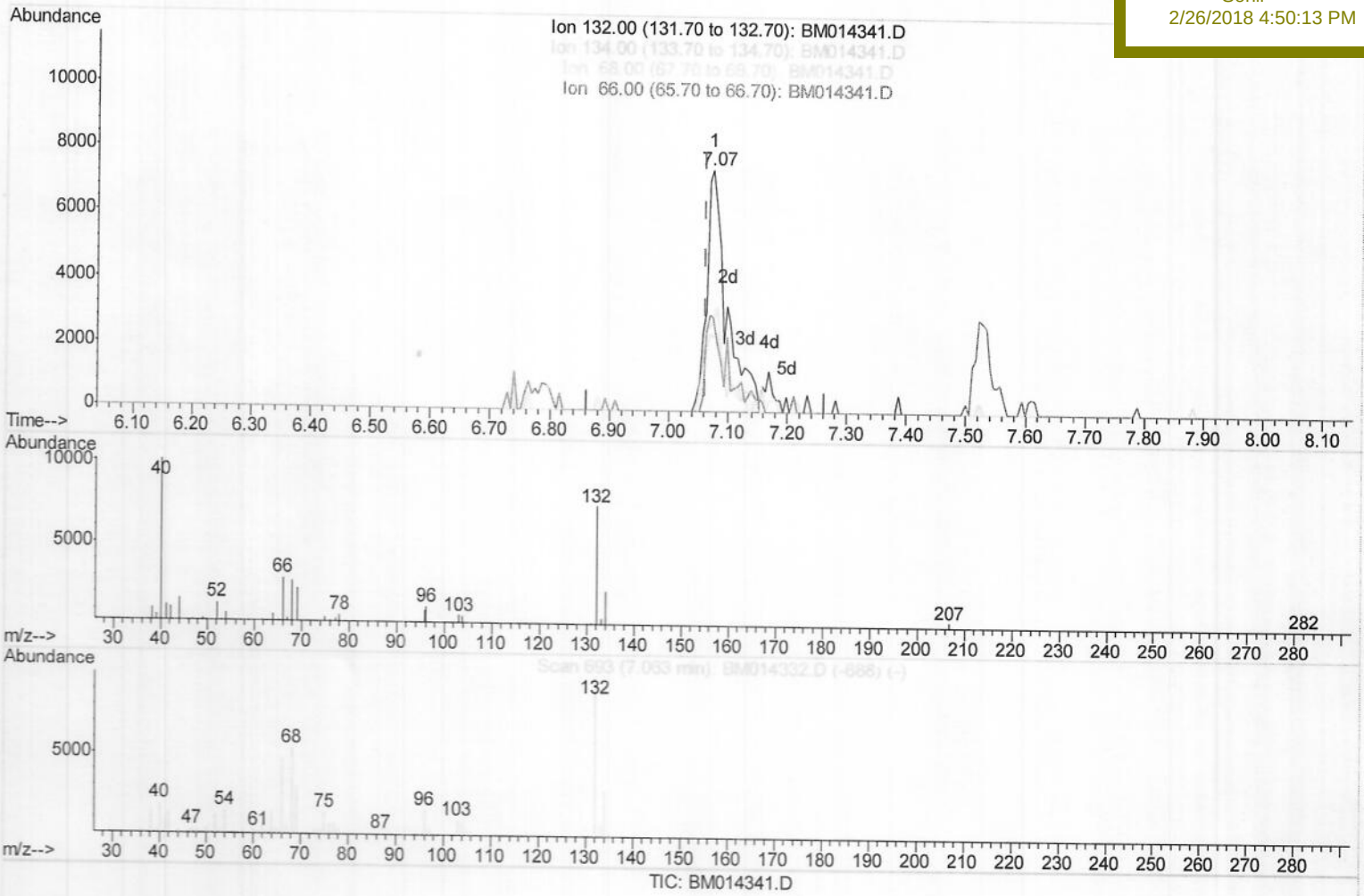
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 23 23:19:54 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



TIC: BM014341.D

(9) 2-Chlorophenol-d4 (S)

7.075min (+0.012) 2.48ng/ul m → S J

response 17746

23/08/18

Ion	Exp%	Act%
132.00	100	100
134.00	34.10	31.58
68.00	51.20	37.40#
66.00	41.70	39.66

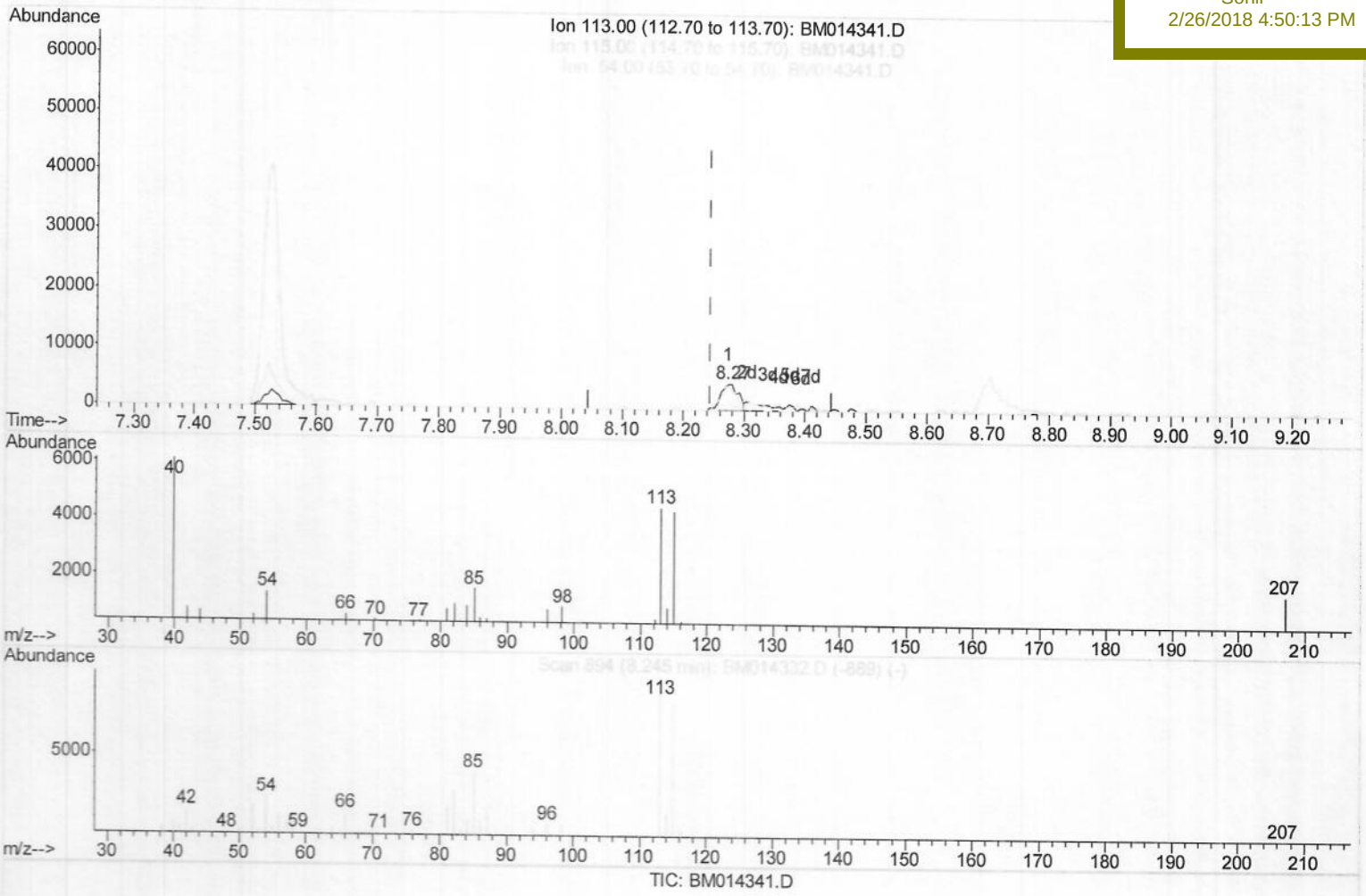
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 23 23:19:54 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



(13) 4-Methylphenol-d8 (S)

8.275min (+0.029) 1.08ng/ul

response 8866

Ion	Exp%	Act%
113.00	100	100
115.00	88.30	96.92
54.00	18.90	31.06#
0.00	0.00	0.00

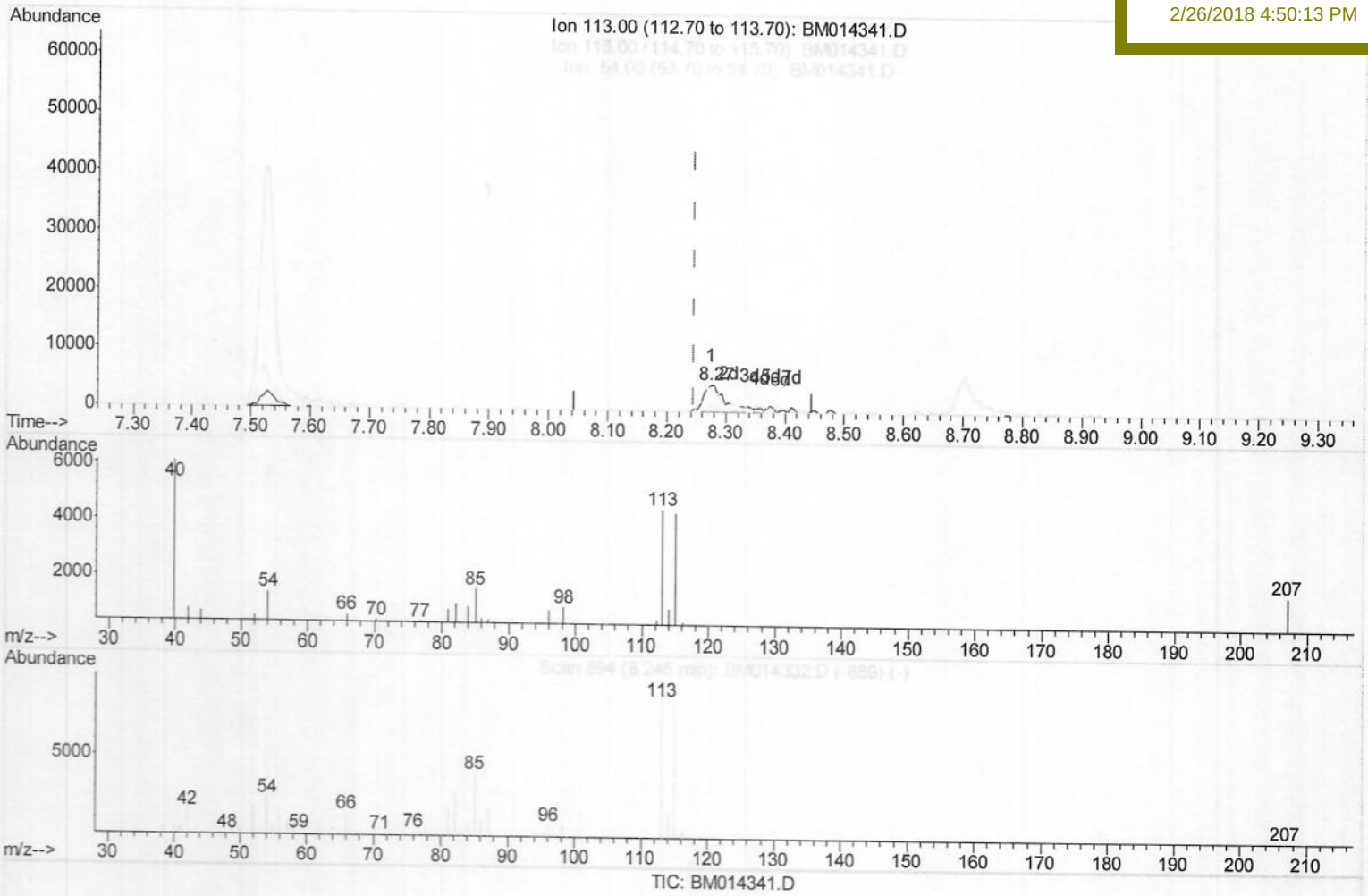
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 23 23:19:54 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



(13) 4-Methylphenol-d8 (S)

8.275min (+0.029) 1.53ng/ul m -> SJ 03/08/18

response 12515

Ion	Exp%	Act%
113.00	100	100
115.00	88.30	96.92
54.00	18.90	31.06#
0.00	0.00	0.00

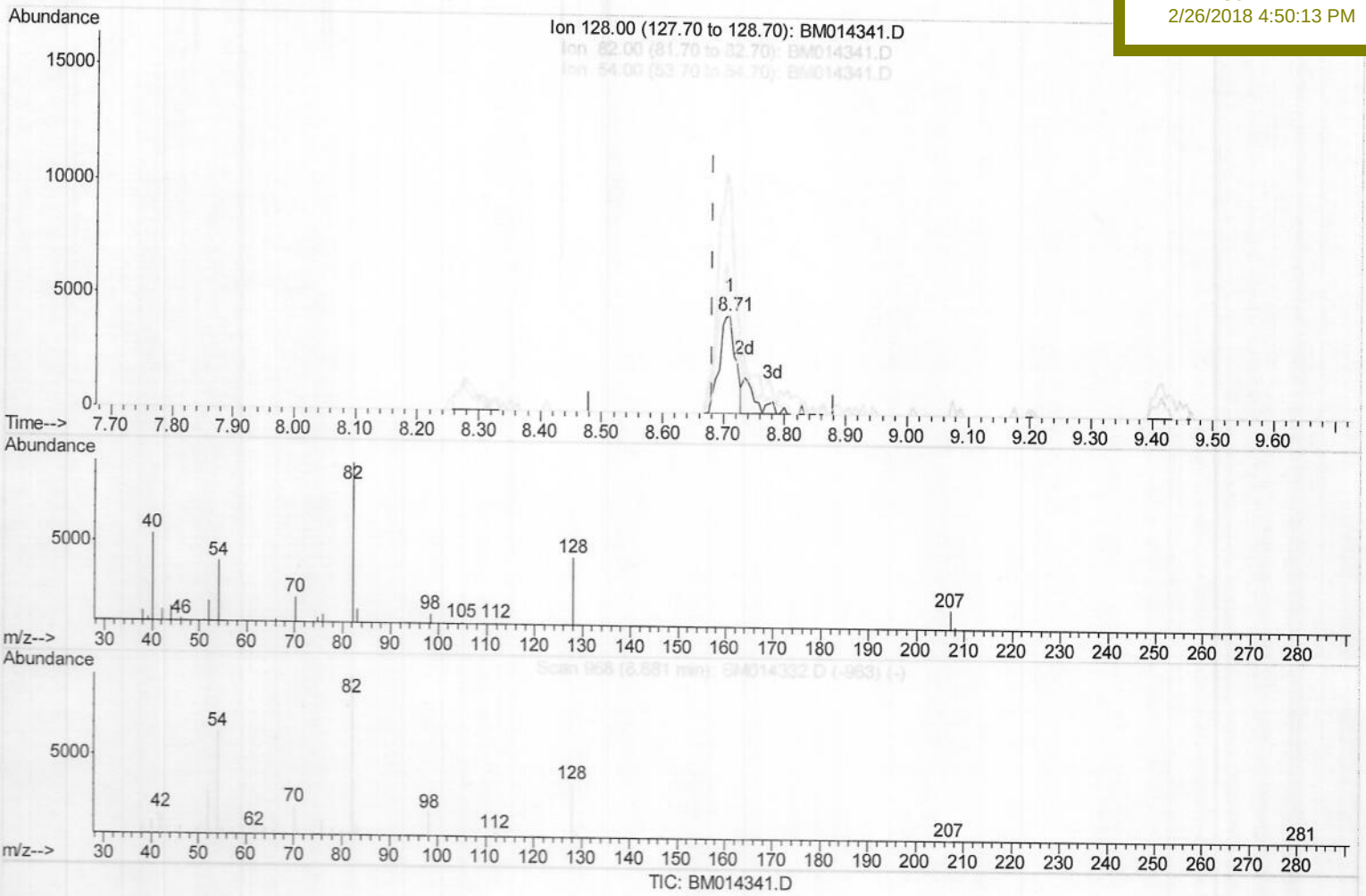
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 00:59:04 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



(19) Nitrobenzene-d5 (S)

8.710min (+0.029) 2.11ng/ul

response 7961

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	228.67#
54.00	142.70	90.51#
0.00	0.00	0.00

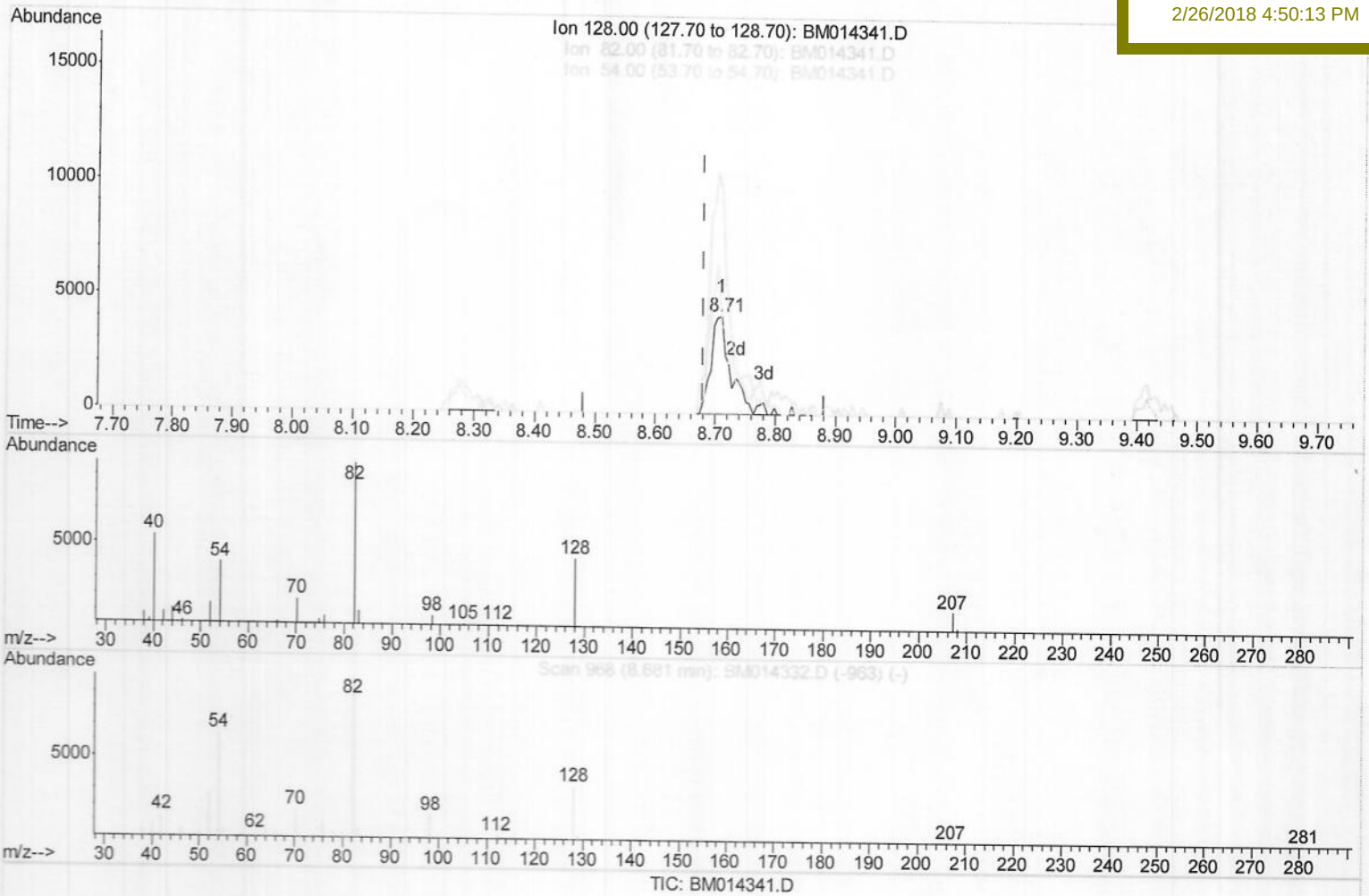
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 00:59:04 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



(19) Nitrobenzene-d5 (S)

8.710min (+0.029) 2.59ng/ul m → SJ 03/08/18

response 9768

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	228.67#
54.00	142.70	90.51#
0.00	0.00	0.00

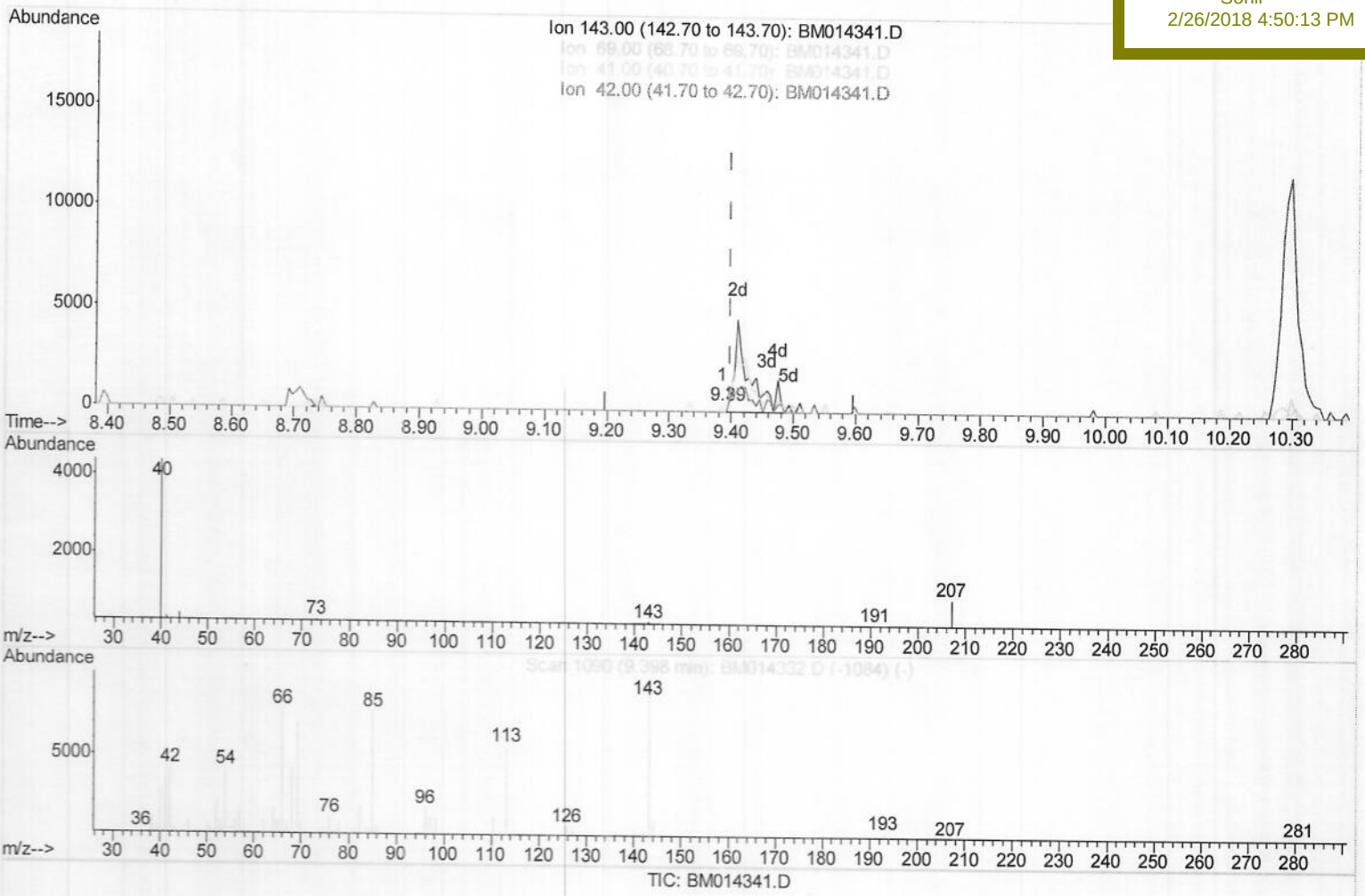
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 01:00:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



TIC: BM014341.D

(22) 2-Nitrophenol-d4 (S)

9.387min (-0.012) 0.03ng/ul

response 127

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	0.00#
41.00	23.80	109.72#
42.00	24.30	0.00#

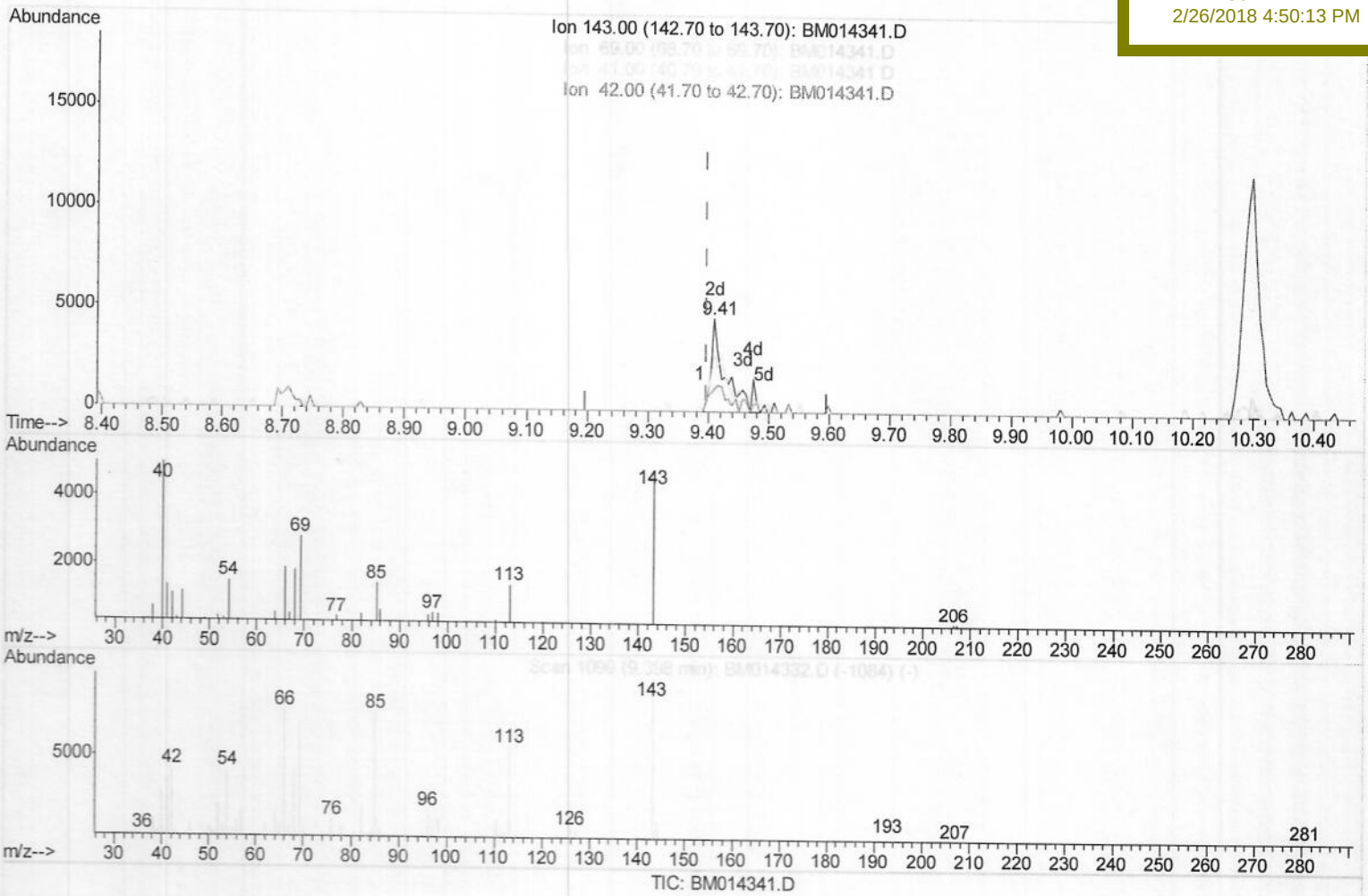
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 01:00:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



(22) 2-Nitrophenol-d4 (S)

9.410min (+0.012) 1.83ng/ul m —> SJ
03/08/18

response 7143

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	61.28
41.00	23.80	29.85#
42.00	24.30	24.20

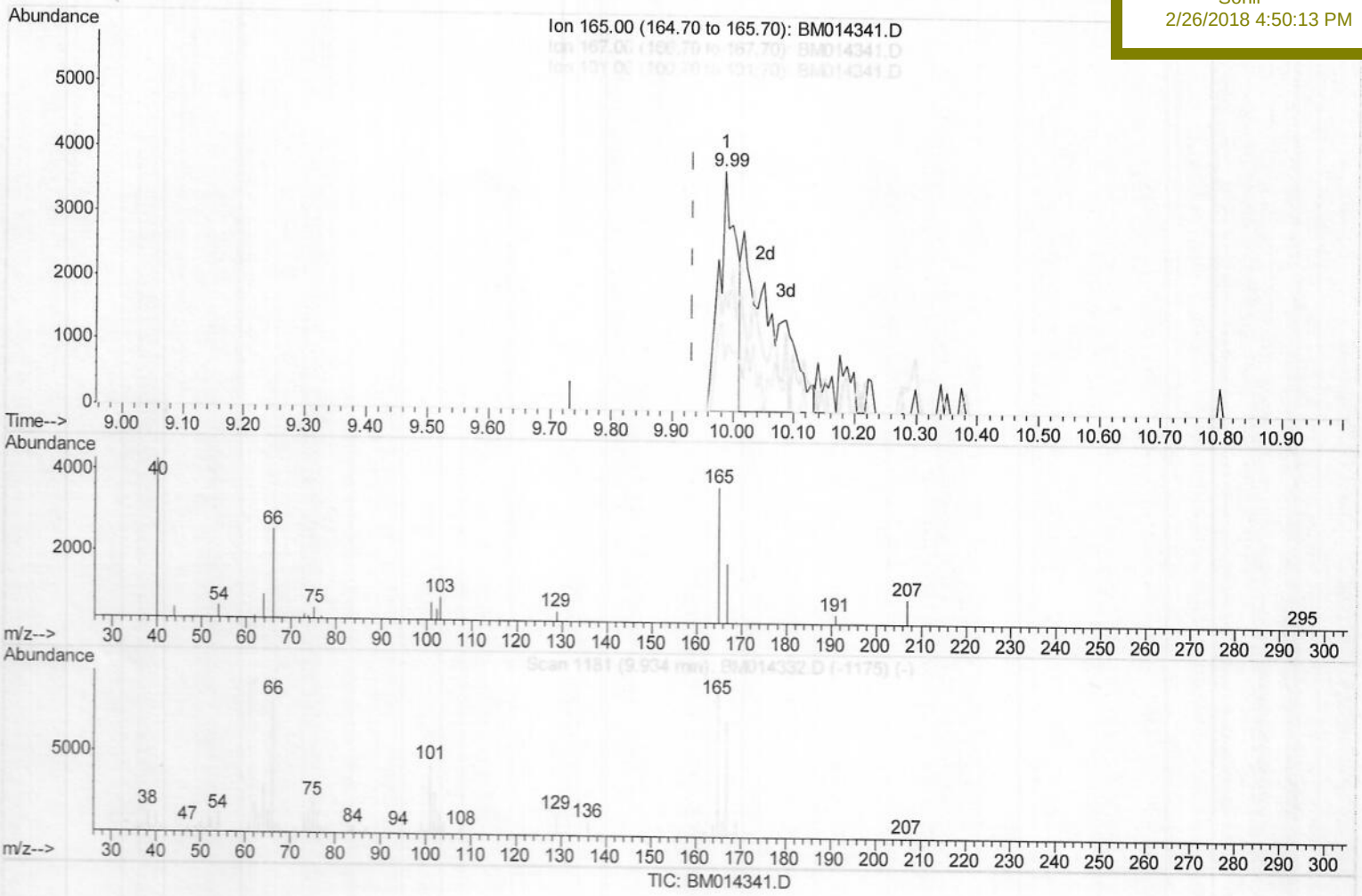
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 01:00:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



TIC: BM014341.D

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

9.986min (+0.053) 0.89ng/ul

response 7231

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	48.96#
101.00	29.30	20.92#
0.00	0.00	0.00

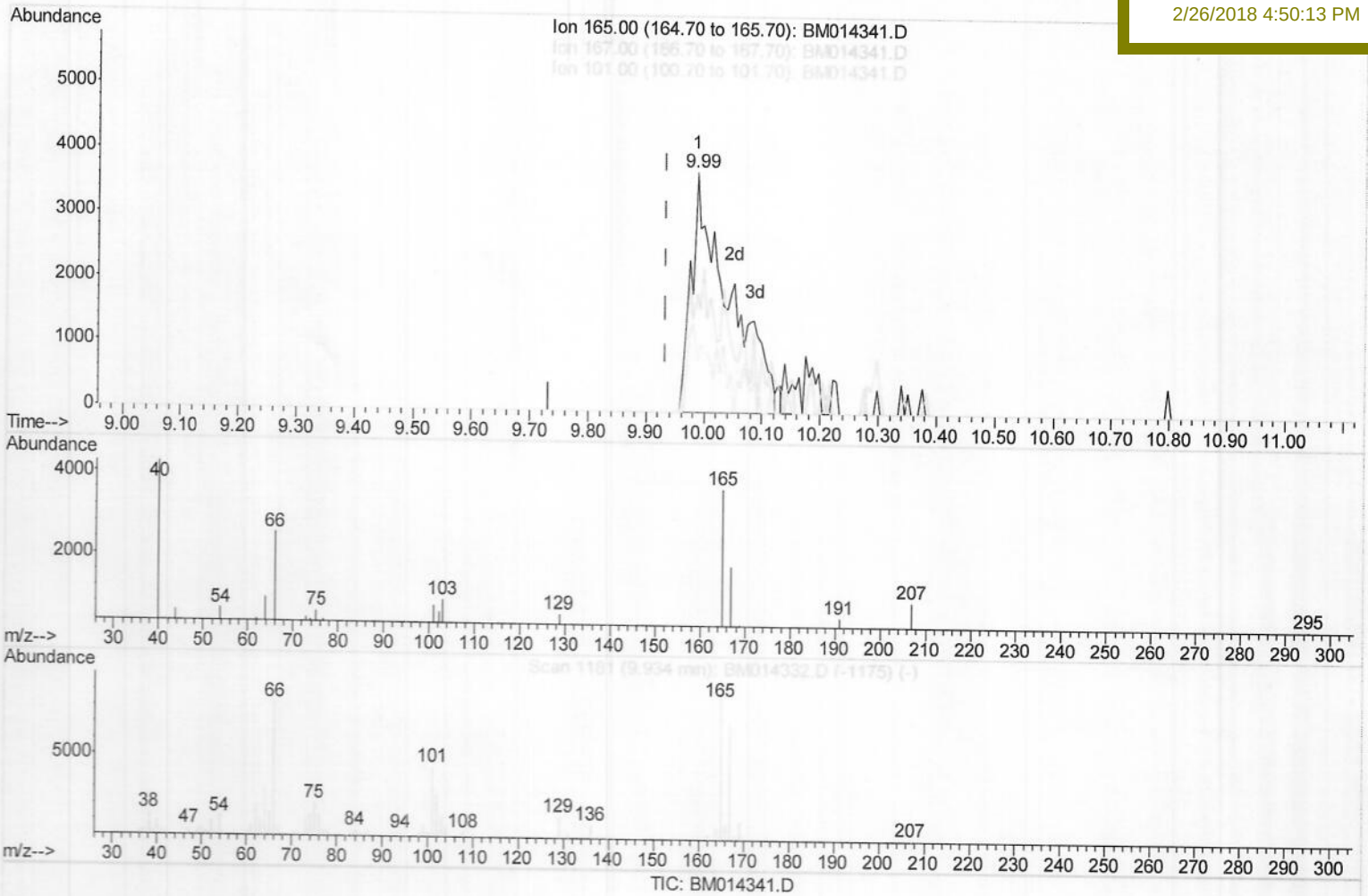
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 01:00:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



TIC: BM014341.D

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

9.986min (+0.053) 2.05ng/ul m → SJ 03/08/18

response 16599

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	48.96#
101.00	29.30	20.92#
0.00	0.00	0.00

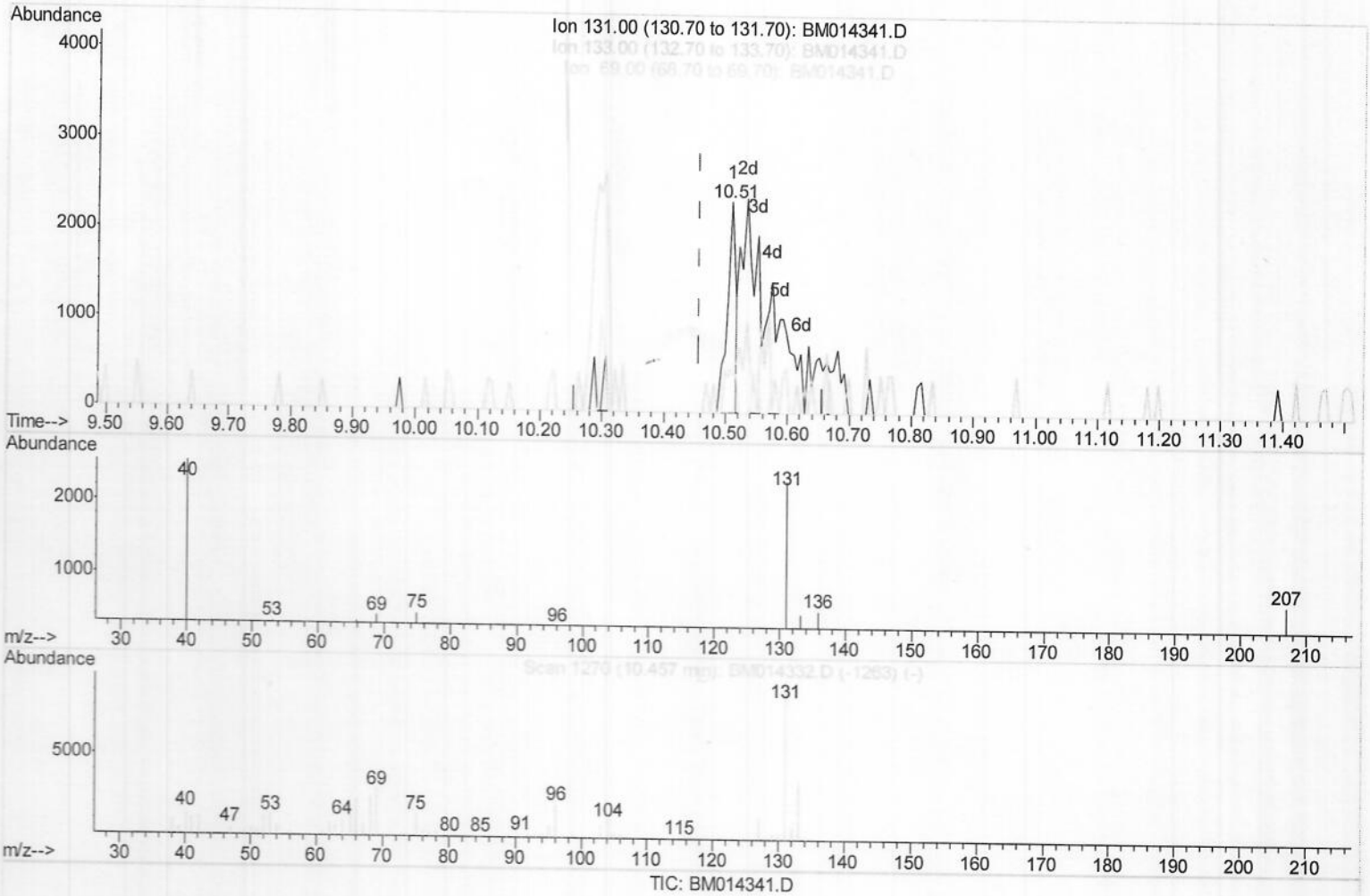
Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 01:00:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration



TIC: BM014341.D

(29) 4-Chloroaniline-d4 (S)

10.510min (+0.053) 0.28ng/ul

response 2208

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	20.81#
69.00	24.30	17.88#
0.00	0.00	0.00

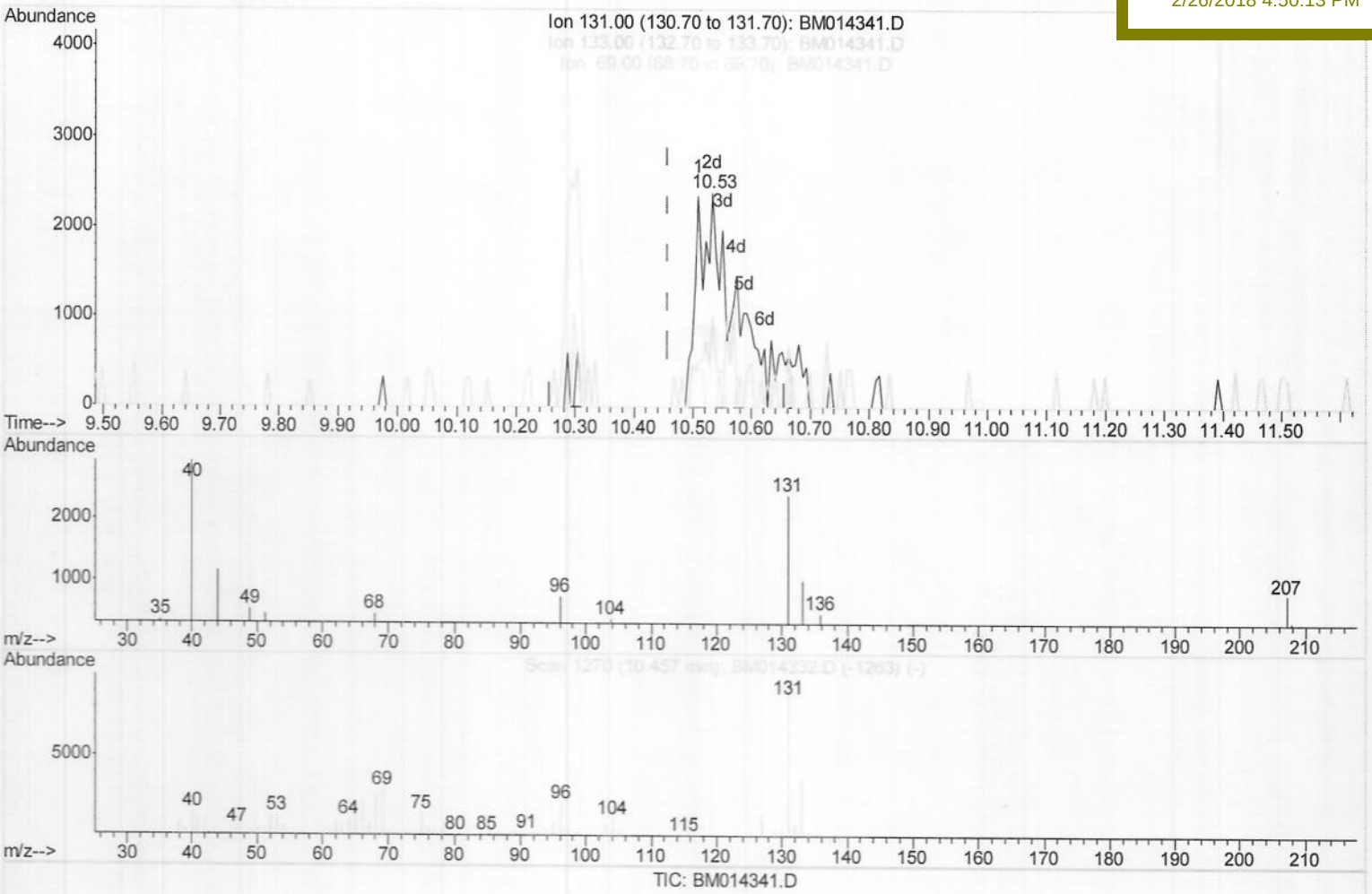
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 01:00:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM



TIC: BM014341.D

(29) 4-Chloroaniline-d4 (S)

10.534min (+0.076) 1.22ng/ul m → SJ 03/08/18

response 9753

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	42.41#
69.00	24.30	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014341.D
Acq On : 23 Feb 2018 21:20
Operator : SJ/JU
Sample : J1631-02 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Feb 24 01:03:26 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 23 23:12:42 2018
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : BE5Y5

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:13 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	110501	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	511012	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	307371	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	656478	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	632021	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	523689	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.10	96	1526	0.59	ng/uL	0.00
5) Phenol-d5	6.75	99	19183m	2.05	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.89	67	9856	1.74	ng/ul	0.01
9) 2-Chlorophenol-d4	7.07	132	17746m	2.48	ng/ul	0.01
13) 4-Methylphenol-d8	8.27	113	12515m	1.53	ng/ul	0.03
19) Nitrobenzene-d5	8.71	128	9768m	2.59	ng/ul	0.03
22) 2-Nitrophenol-d4	9.41	143	7143m	1.83	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.99	165	16599m	2.05	ng/ul	0.05
29) 4-Chloroaniline-d4	10.53	131	9753m	1.22	ng/ul	0.08
43) Dimethylphthalate-d6	13.61	166	65541	2.58	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	88194	2.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	318	0.09	ng/ul	0.14
57) Fluorene-d10	15.19	176	61374	2.70	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.37	200	3605	0.92	ng/ul	0.03
70) Anthracene-d10	17.04	188	90347	2.85	ng/ul	0.00
76) Pyrene-d10	19.34	212	110458	3.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	81077	3.18	ng/ul	0.00
Target Compounds						Qvalue
69) Phenanthrene	16.98	178	50810	1.343	ng/ul#	89
74) Fluoranthene	19.01	202	118879	2.631	ng/ul#	98
77) Pyrene	19.37	202	120458	2.868	ng/ul#	92
80) Benzo(a)anthracene	21.13	228	72668	1.842	ng/ul	96
82) Chrysene	21.19	228	64174	1.744	ng/ul	96
85) Benzo(b)fluoranthene	22.68	252	82732	2.359	ng/ul#	93
88) Benzo(a)pyrene	23.23	252	52452	1.674	ng/ul#	95

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

SJ
03/08/18