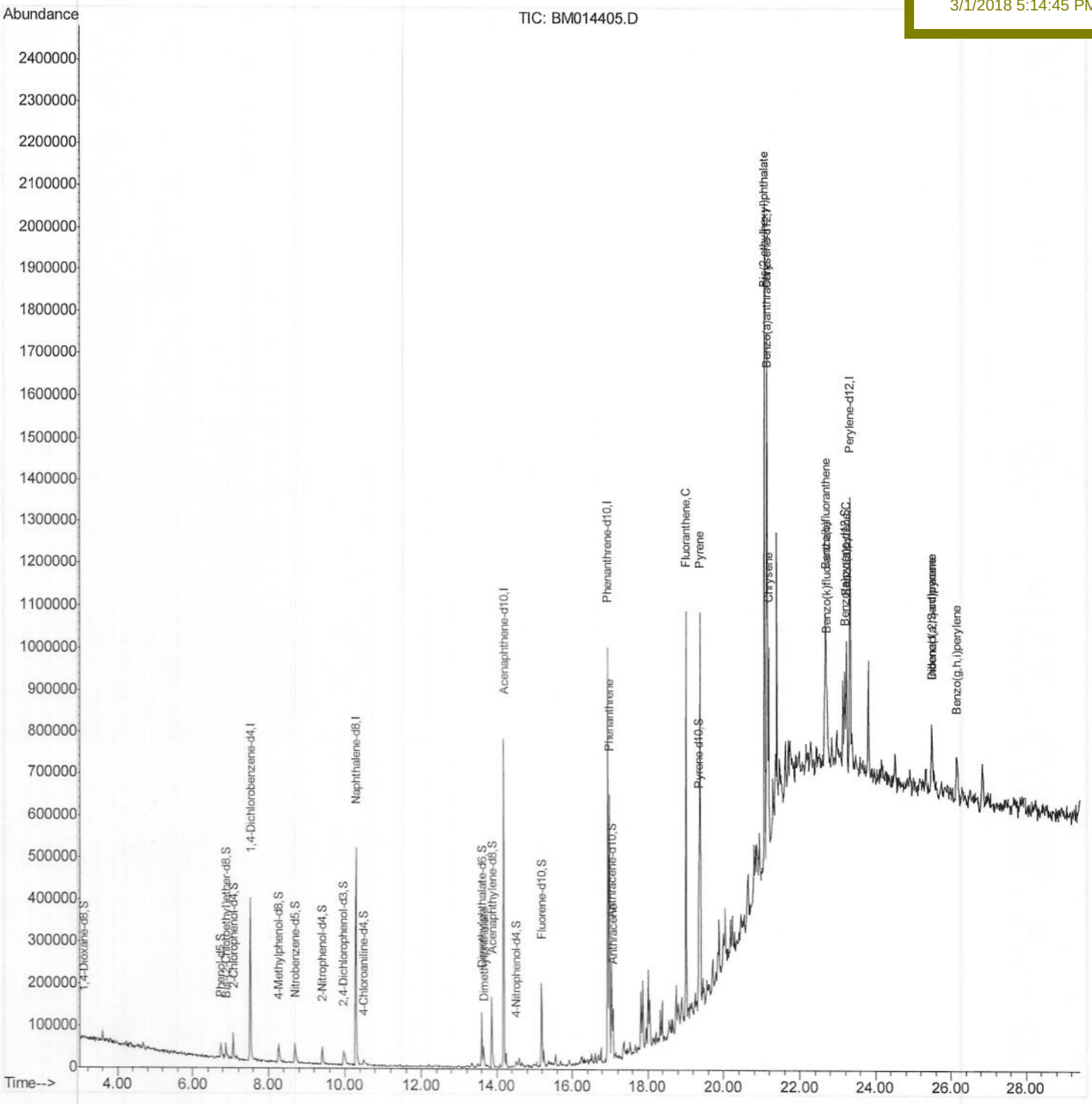
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 28 17:52:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



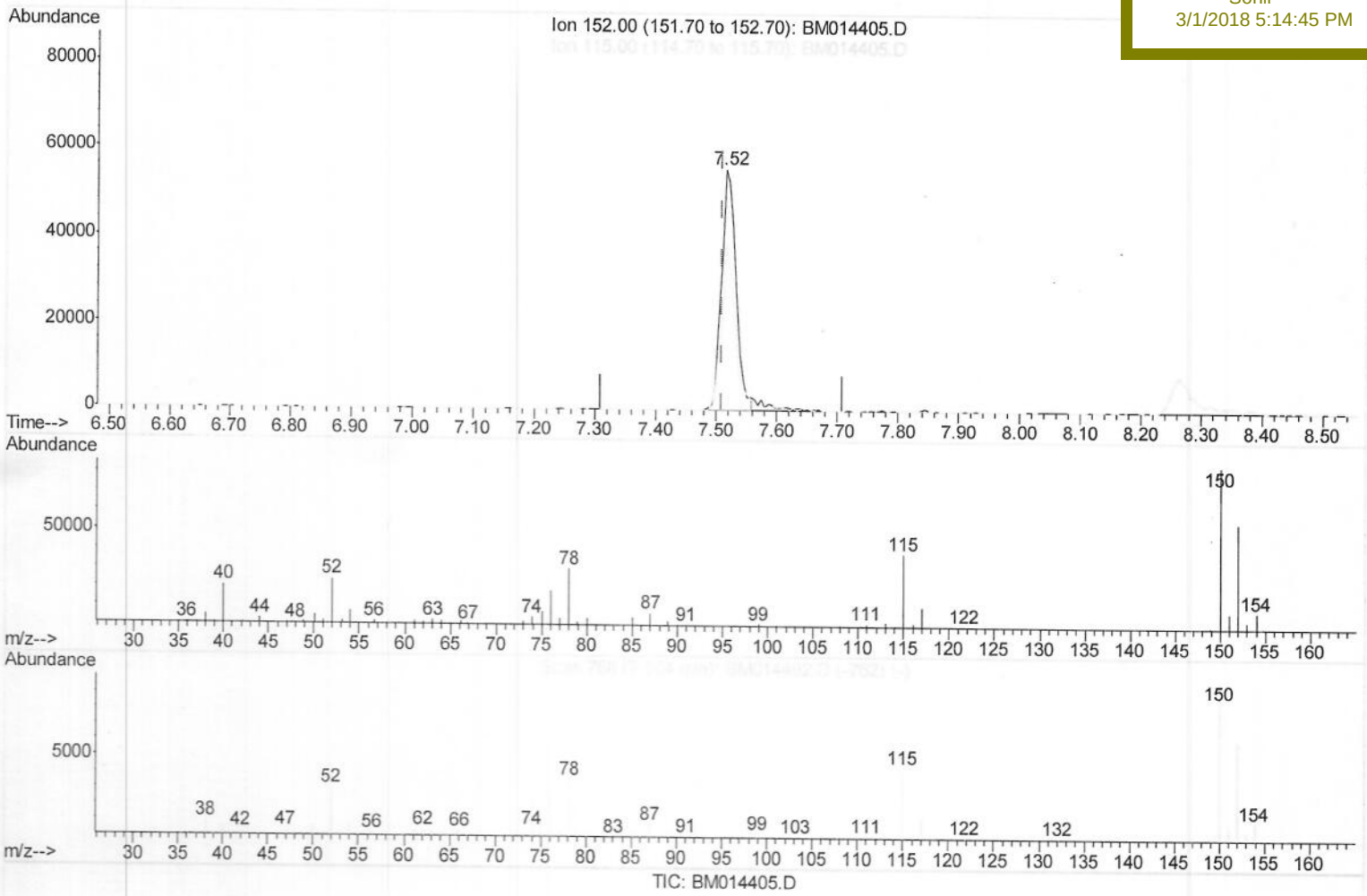
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 03:15:39 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 03:03:20 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

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

7.516min (+0.006) 20.00ng/ul

response 92959

Ion	Exp%	Act%
152.00	100	100
115.00	58.90	69.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
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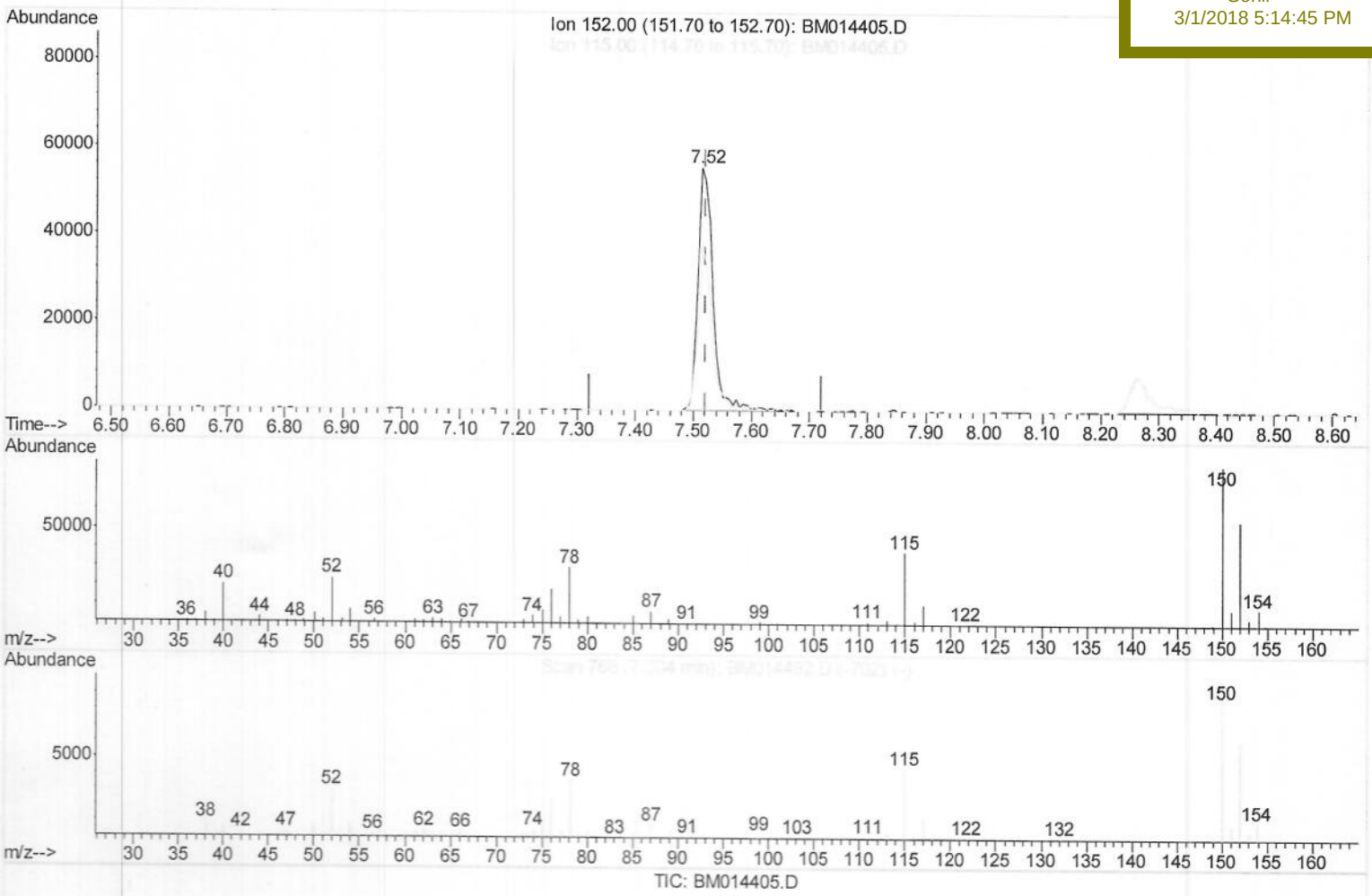
Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

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

7.516min (-0.006) 20.00ng/ul m

response 97936

S.J 03/14/18

Ion	Exp%	Act%
152.00	100	100
115.00	58.90	69.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
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Operator : SJ/JU
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ALS Vial : 11 Sample Multiplier: 1

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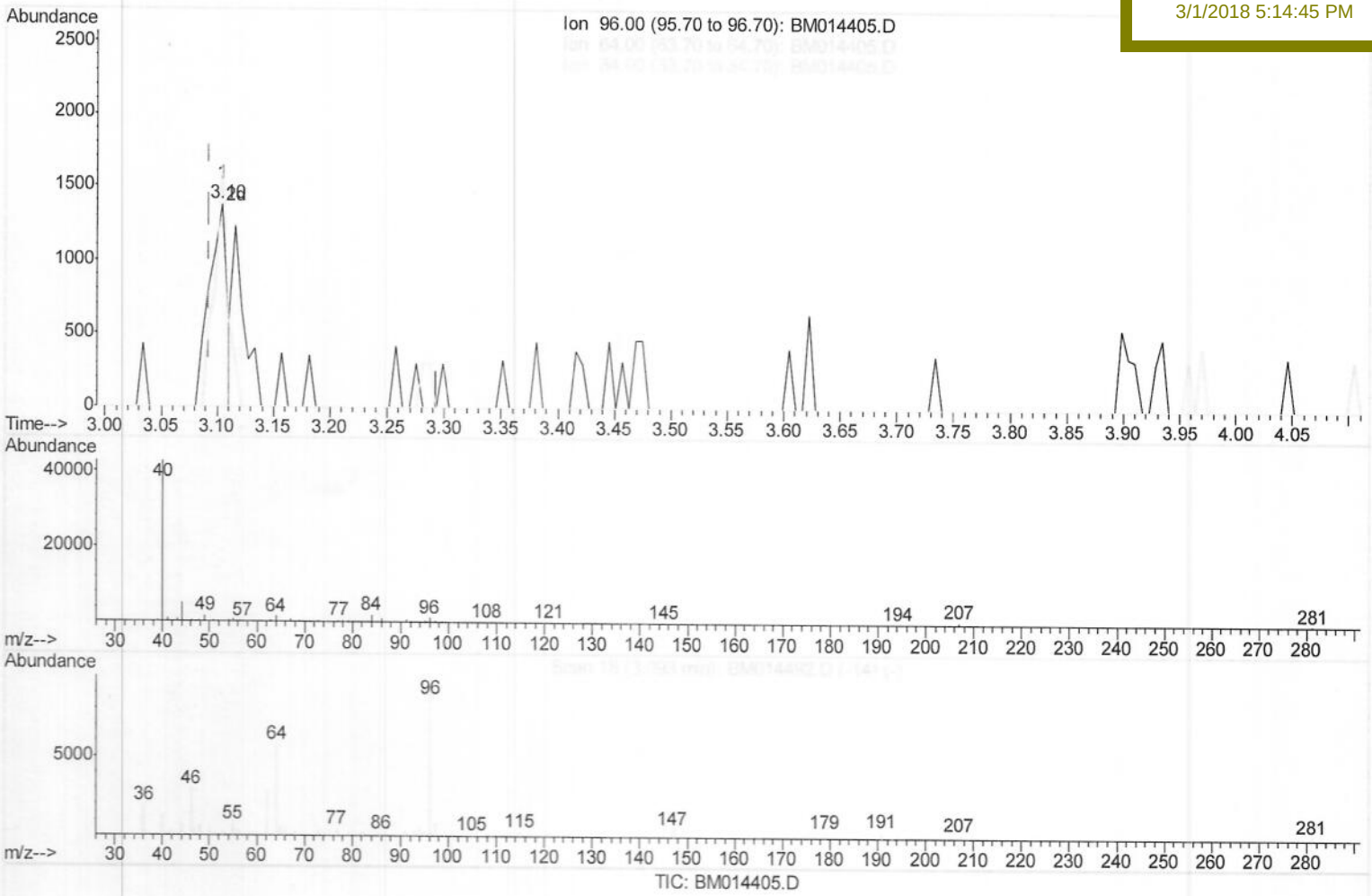
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 03:03:20 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



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

3.105min (+0.011) 0.70ng/uL

response 1525

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	91.41#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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QLast Update : Wed Feb 28 12:00:03 2018
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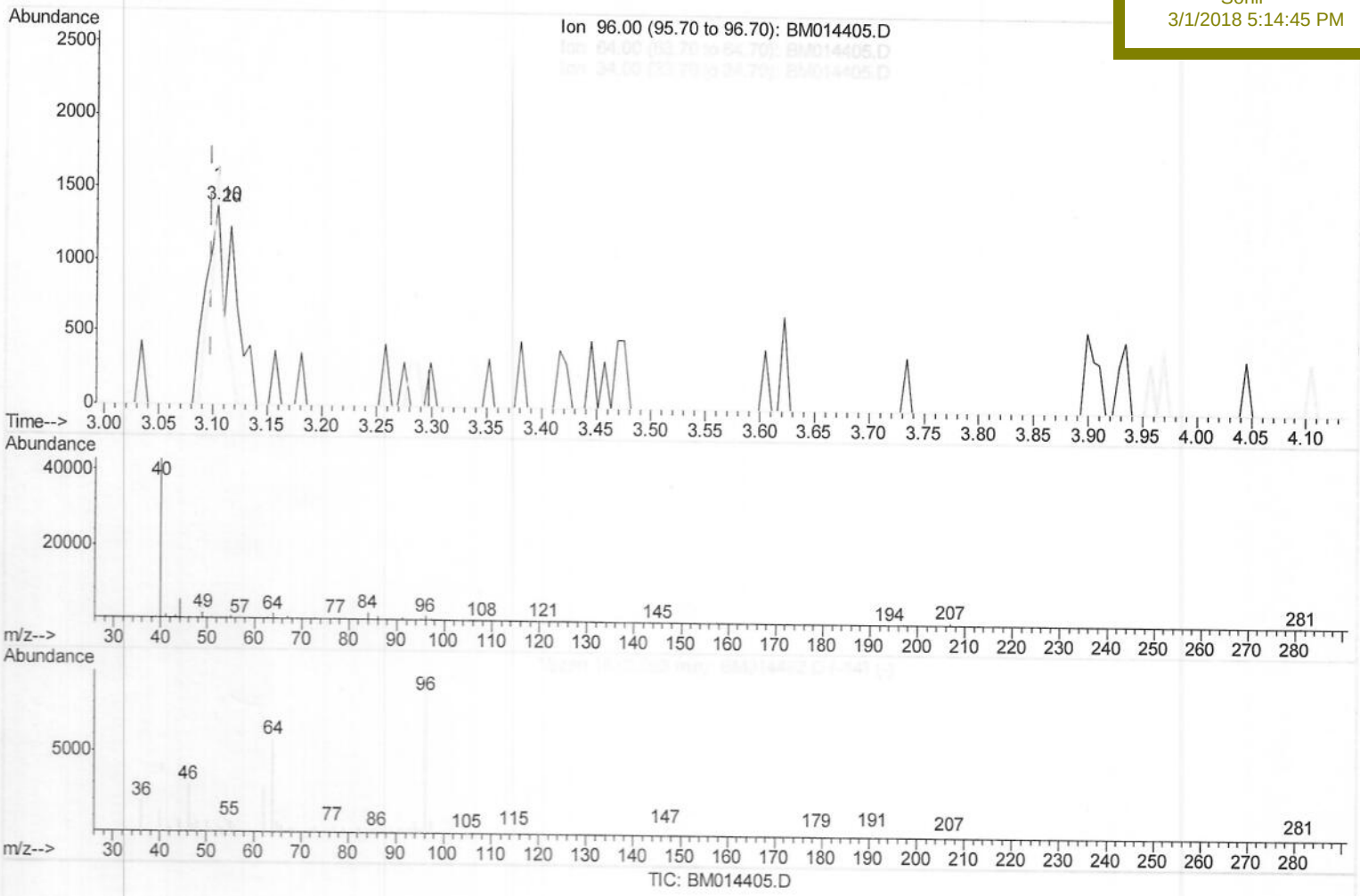
Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

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

3.105min (+0.006) 1.07ng/uL m > S.J 03/10/18

response 2447

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	56.97#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
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Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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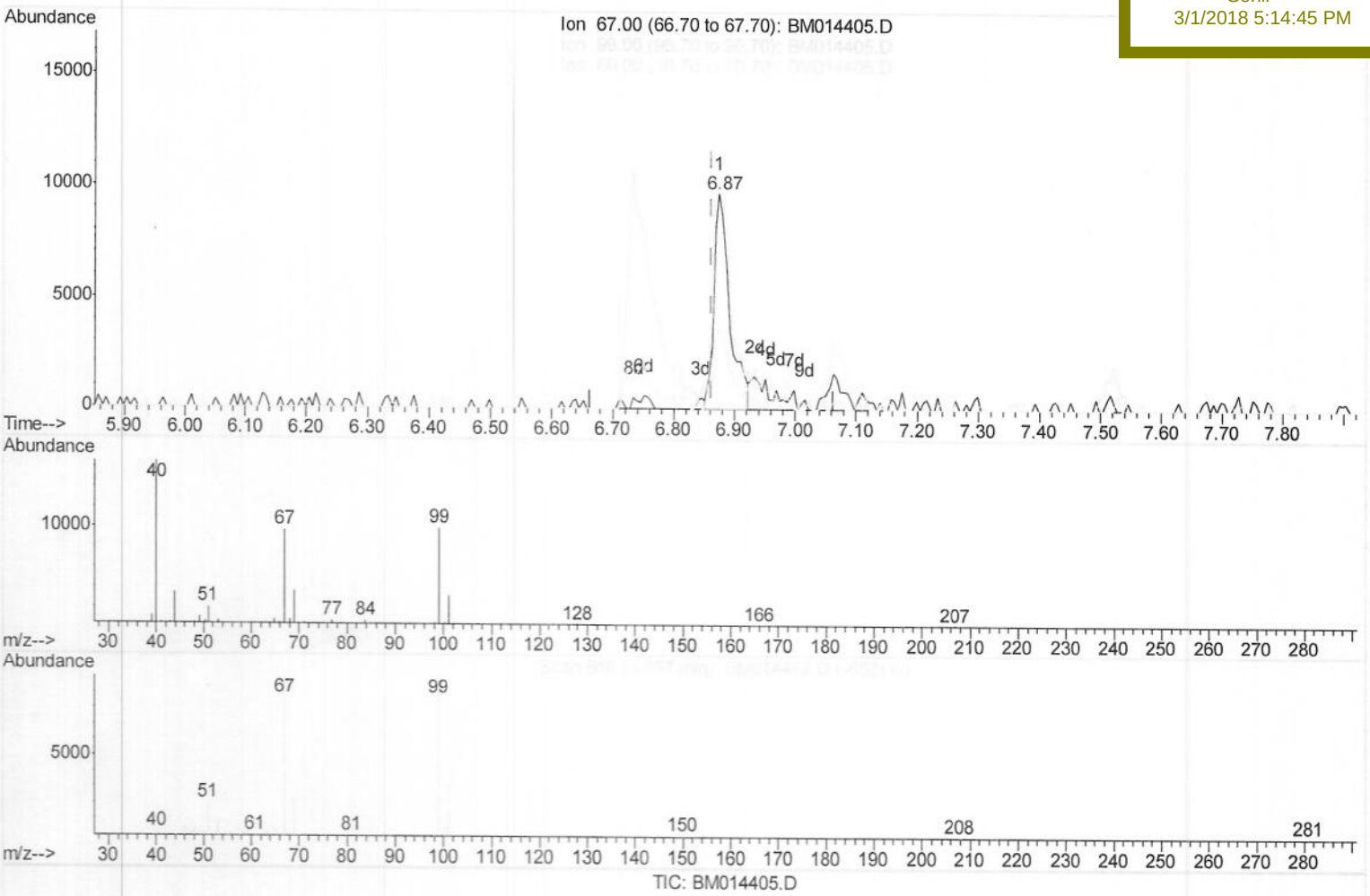
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 03:03:20 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

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

6.875min (+0.011) 3.71ng/ul

response 17632

Ion	Exp%	Act%
67.00	100	100
99.00	112.80	102.30
69.00	36.30	37.29
0.00	0.00	0.00

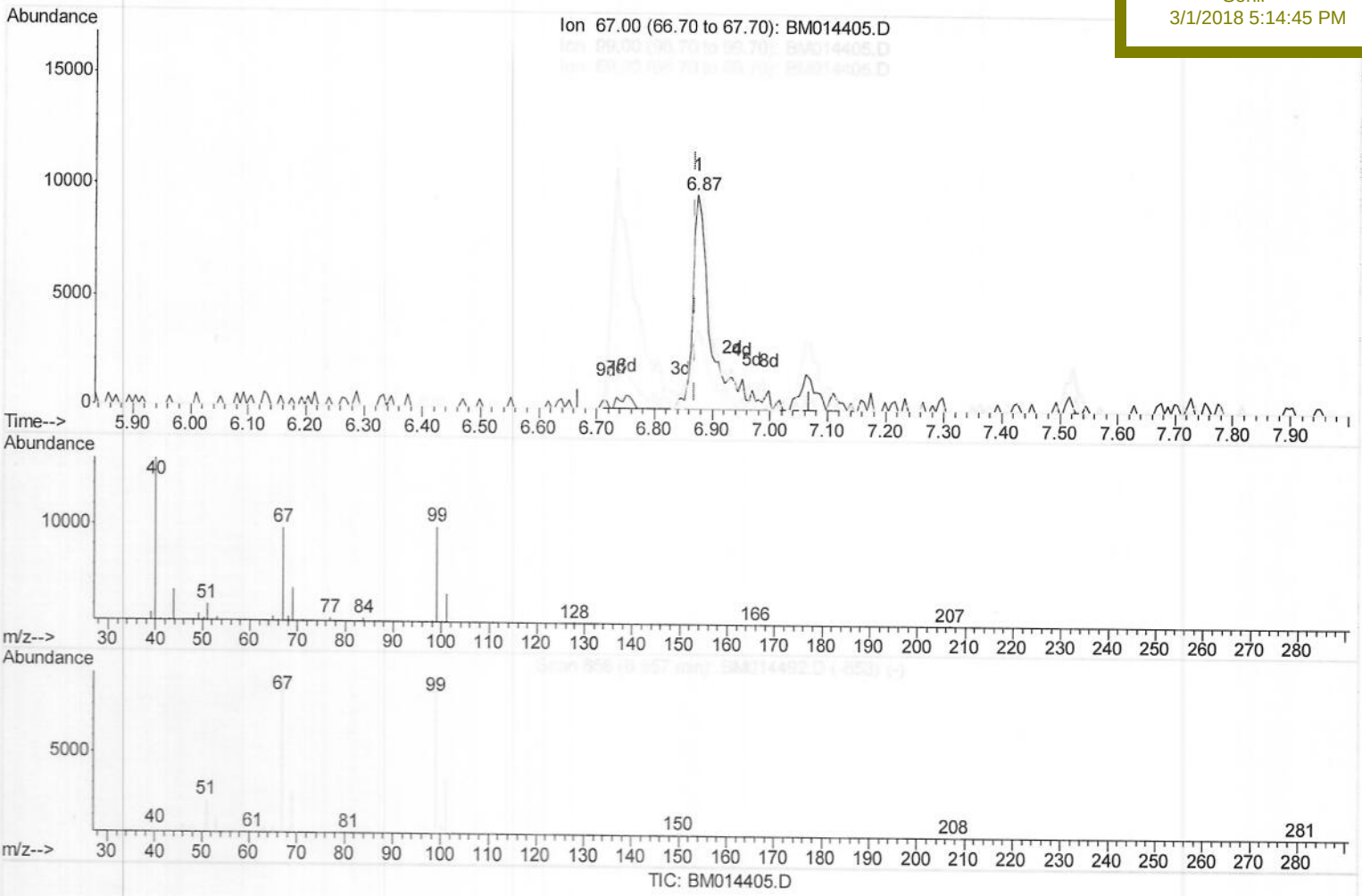
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 28 17:52:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



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

6.875min (+0.006) 4.36ng/ul m) S.J 03/10/18

response 21853

Ion	Exp%	Act%
67.00	100	100
99.00	112.80	102.30
69.00	36.30	37.29
0.00	0.00	0.00

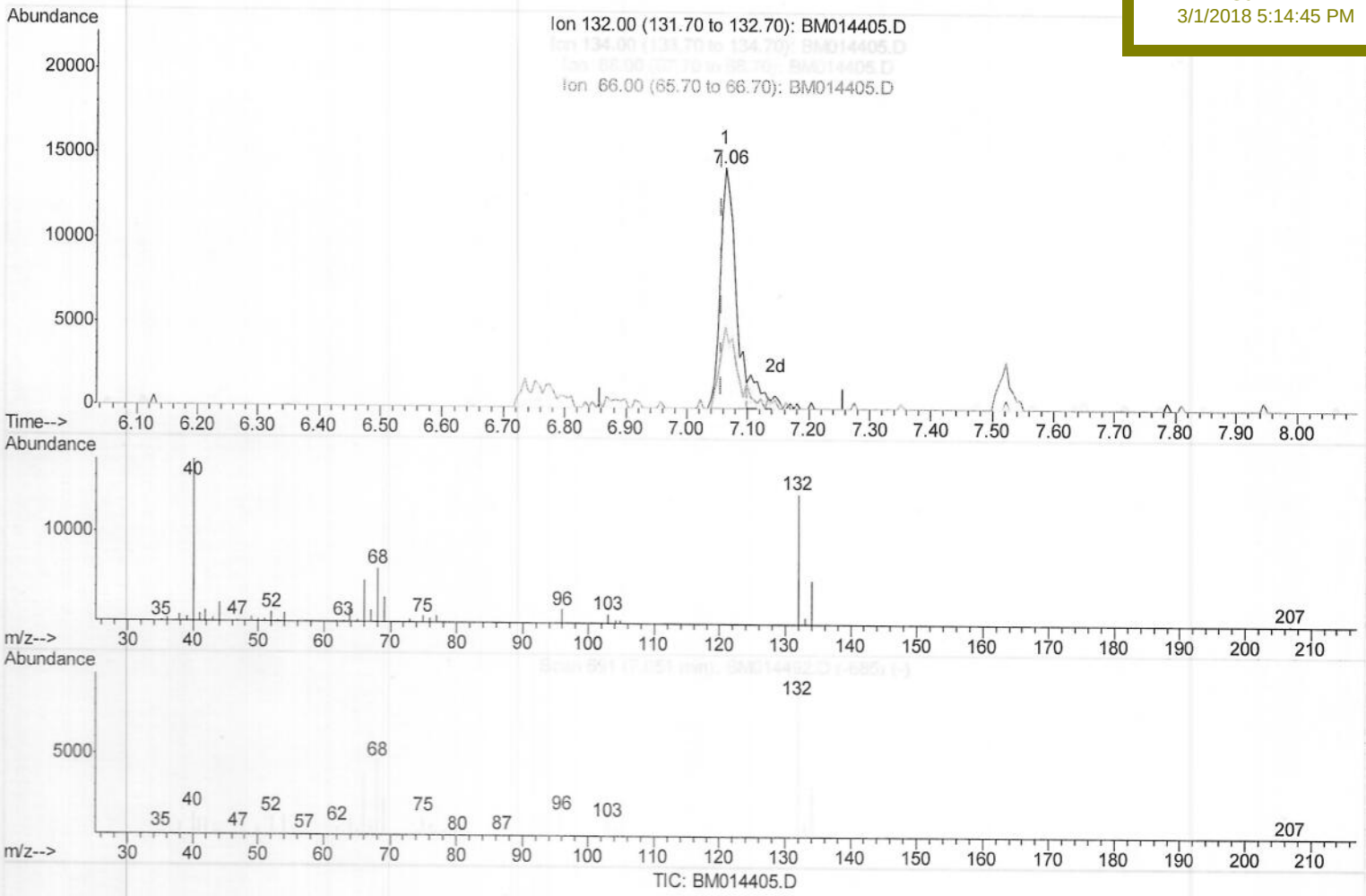
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 03:15:39 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 03:03:20 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

(9) 2-Chlorophenol-d4 (S)

7.063min (+0.006) 4.13ng/ul

response 24876

Ion	Exp%	Act%
132.00	100	100
134.00	34.10	35.95
68.00	51.20	43.12
66.00	41.70	34.37

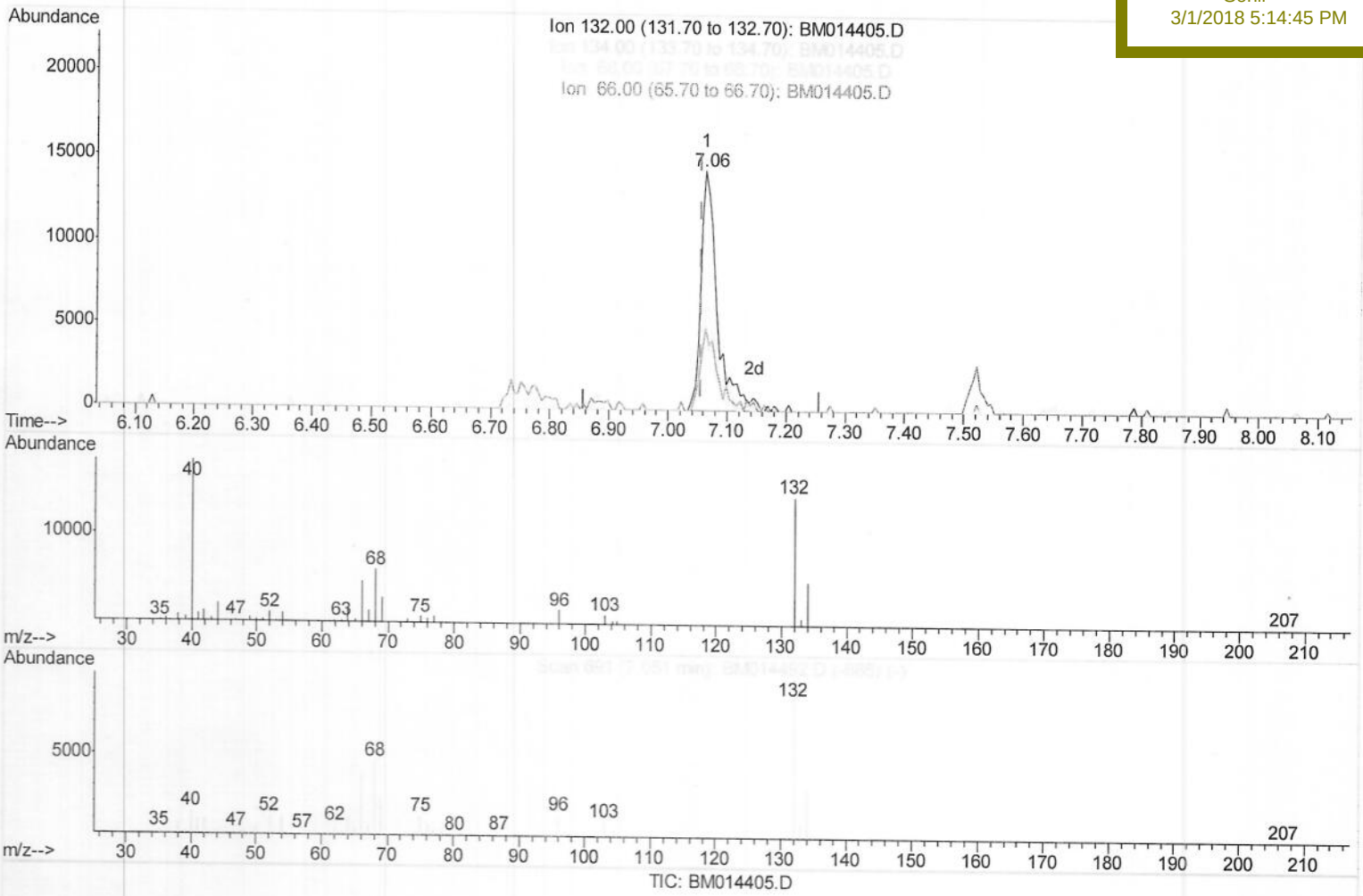
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 28 17:52:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

(9) 2-Chlorophenol-d4 (S)

7.063min (+0.006) 4.44ng/ul m > S.J 03/10/18

response 28198

Ion	Exp%	Act%
132.00	100	100
134.00	34.10	35.95
68.00	51.20	43.12
66.00	41.70	34.37

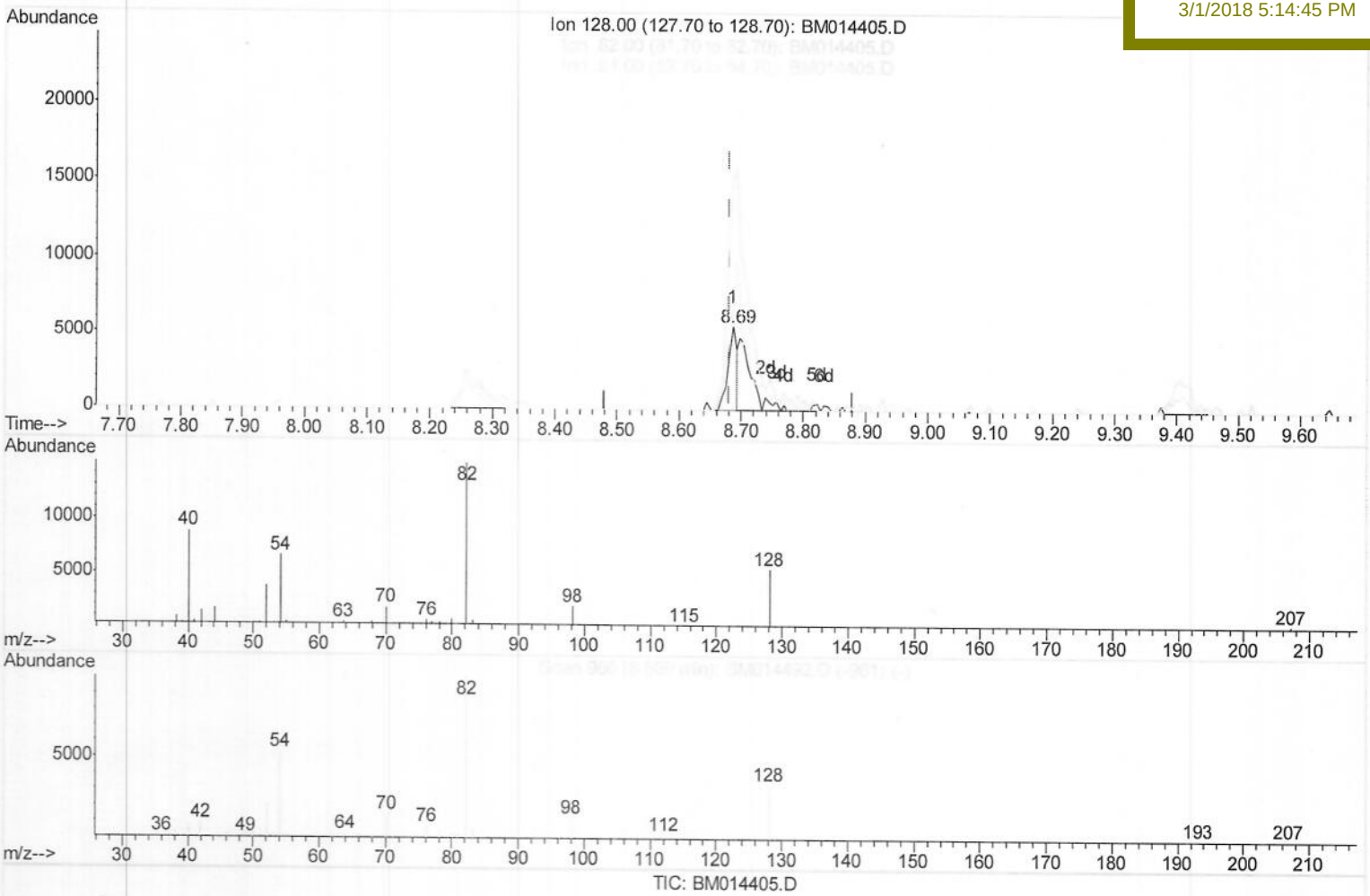
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 03:15:39 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 03:03:20 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



(19) Nitrobenzene-d5 (S)

8.687min (+0.006) 1.83ng/ul

response 5443

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	271.98
54.00	142.70	120.11
0.00	0.00	0.00

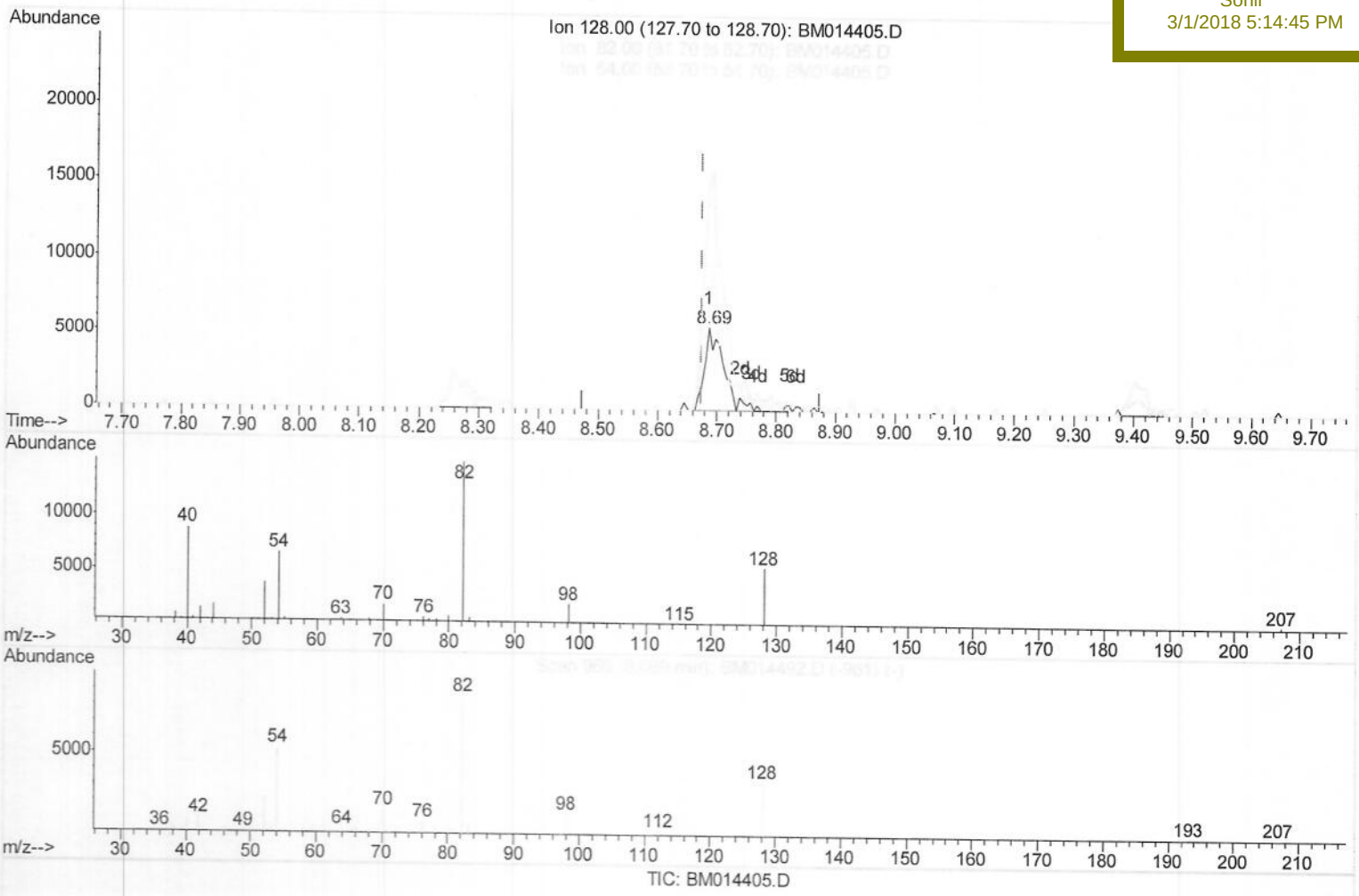
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 28 17:52:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

(19) Nitrobenzene-d5 (S)

8.687min (+0.012) 4.17ng/ul m > SJ 03/10/18

response 12405

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	271.98
54.00	142.70	120.11
0.00	0.00	0.00

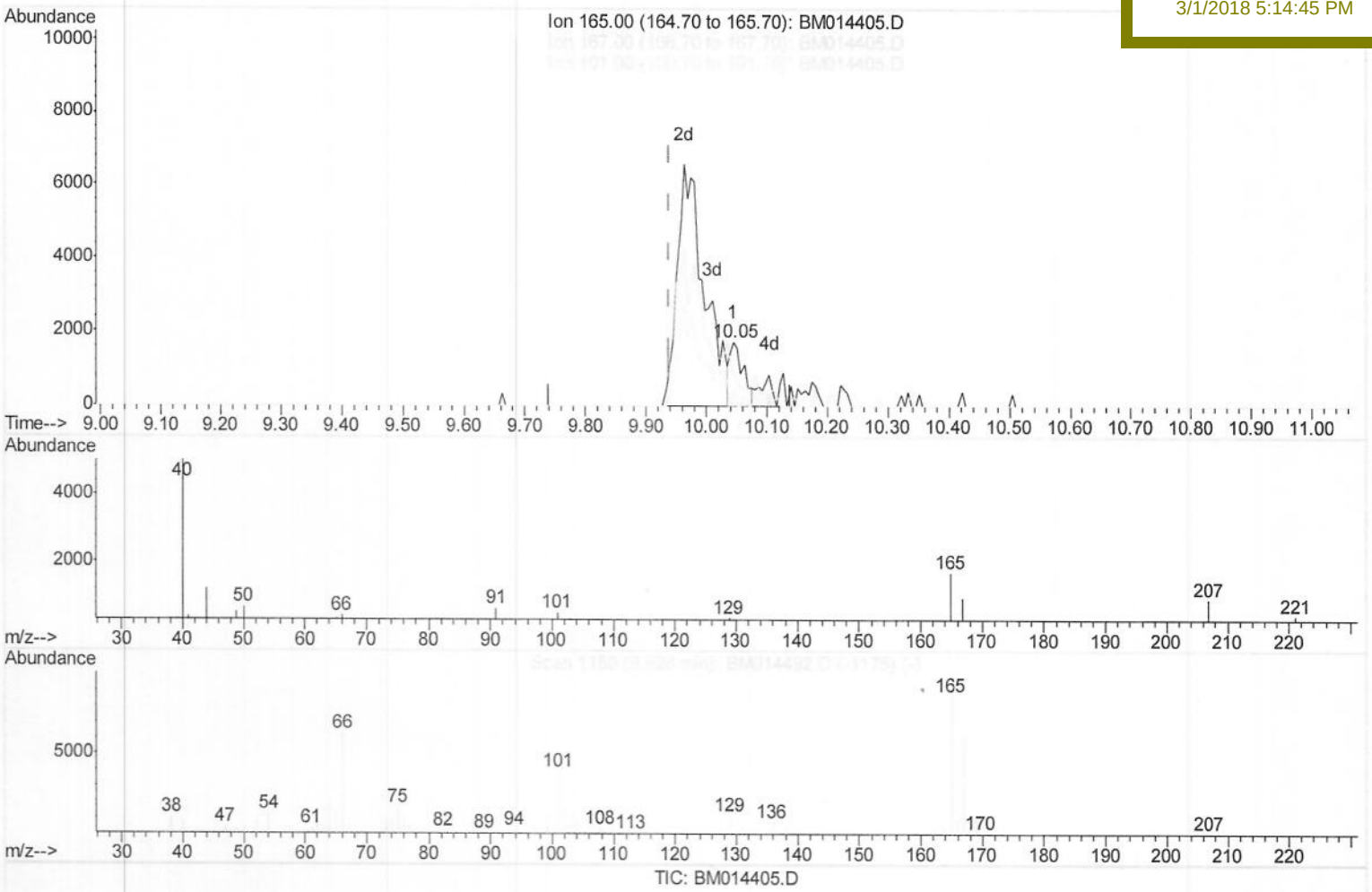
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 03:15:39 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 03:03:20 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

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

10.045min (+0.106) 0.42ng/ul

response 2711

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	55.07
101.00	29.30	29.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
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Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
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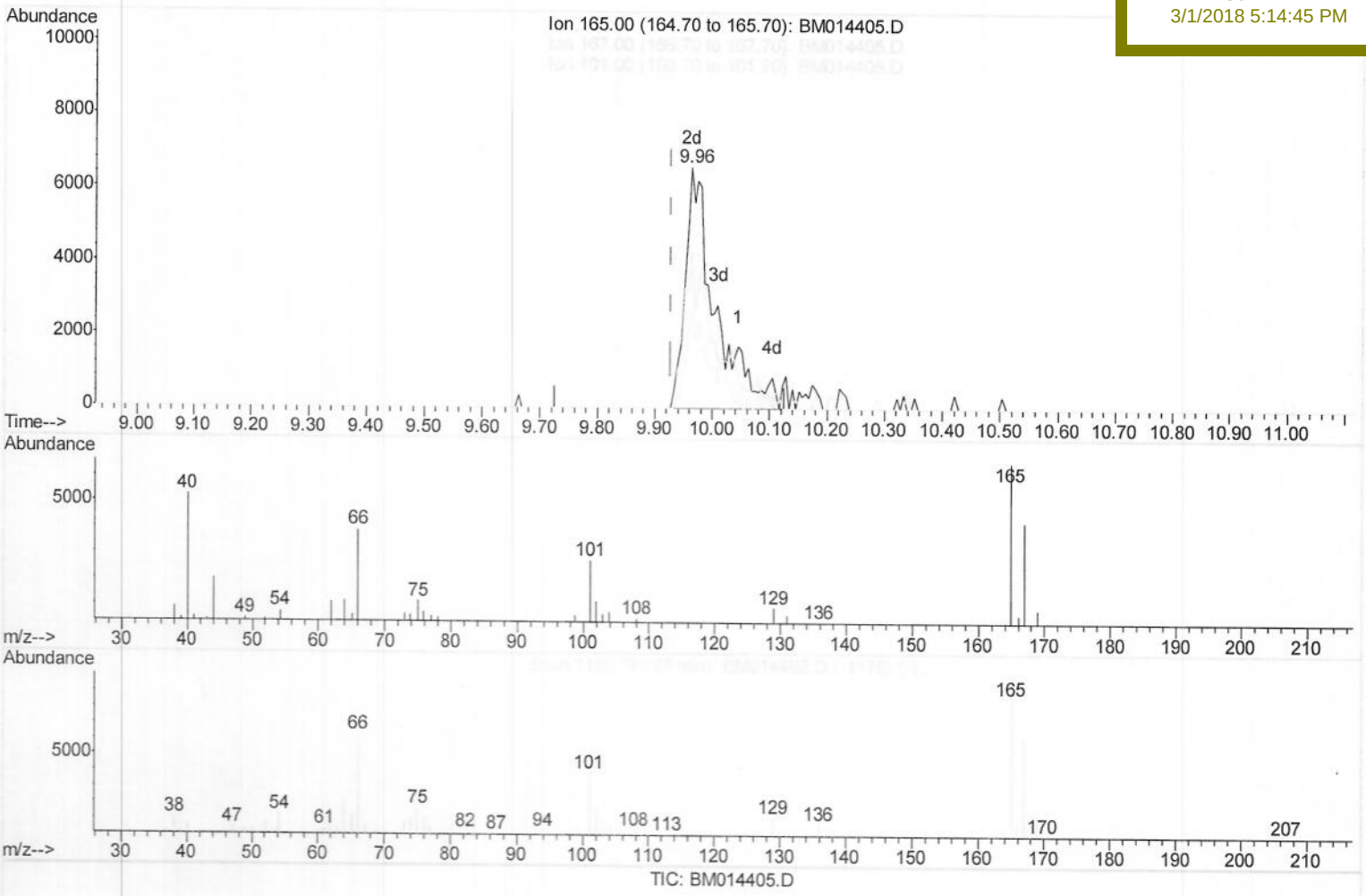
Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

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

9.963min (+0.035) 3.79ng/ul m > S SJ 03/10/18

response 24175

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	64.95
101.00	29.30	41.47#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
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Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 09 03:15:39 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 09 03:03:20 2018
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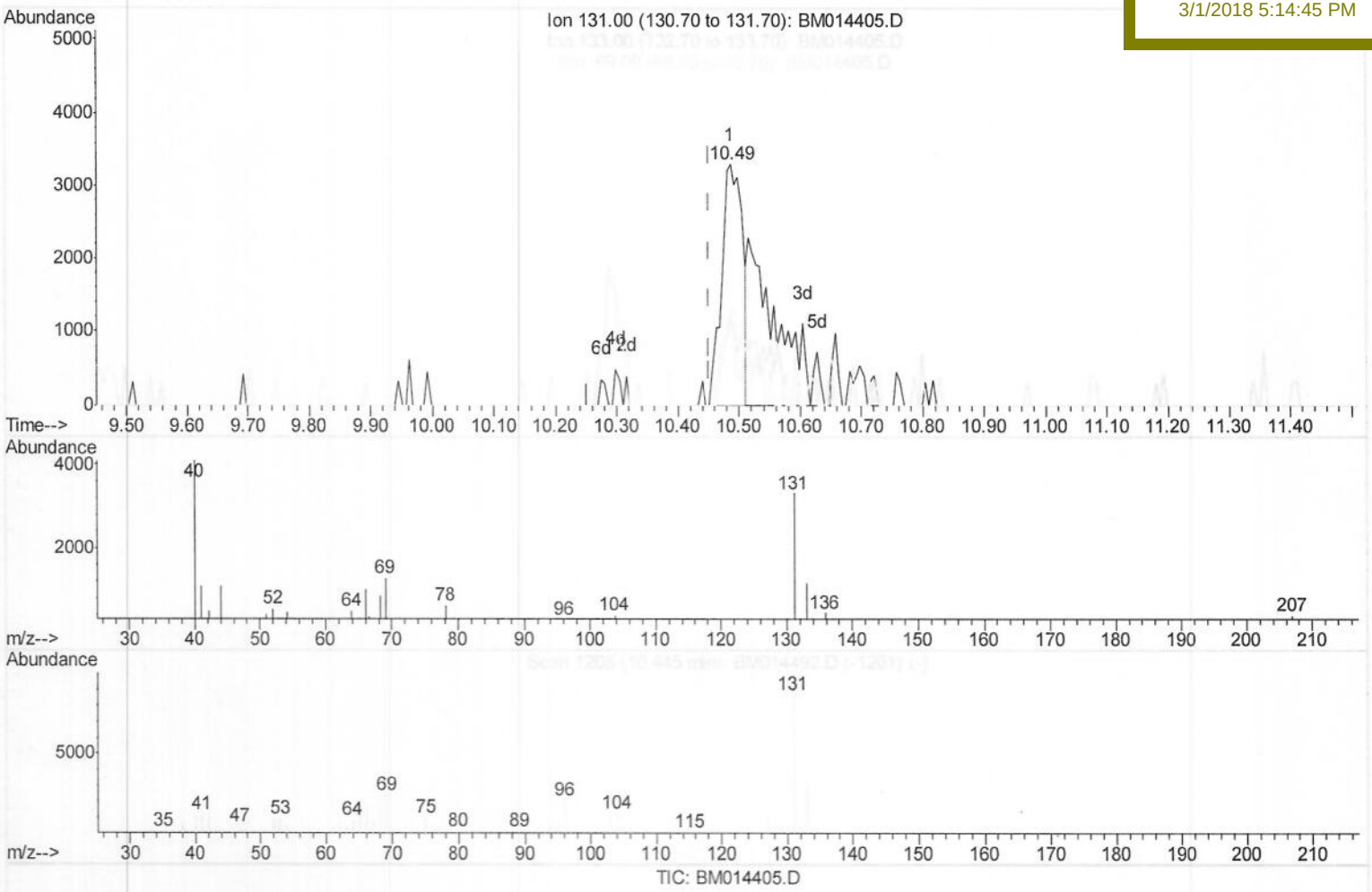
Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

(29) 4-Chloroaniline-d4 (S)

10.486min (+0.035) 1.22ng/ul

response 7640

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	35.46
69.00	24.30	38.67#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 28 17:52:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
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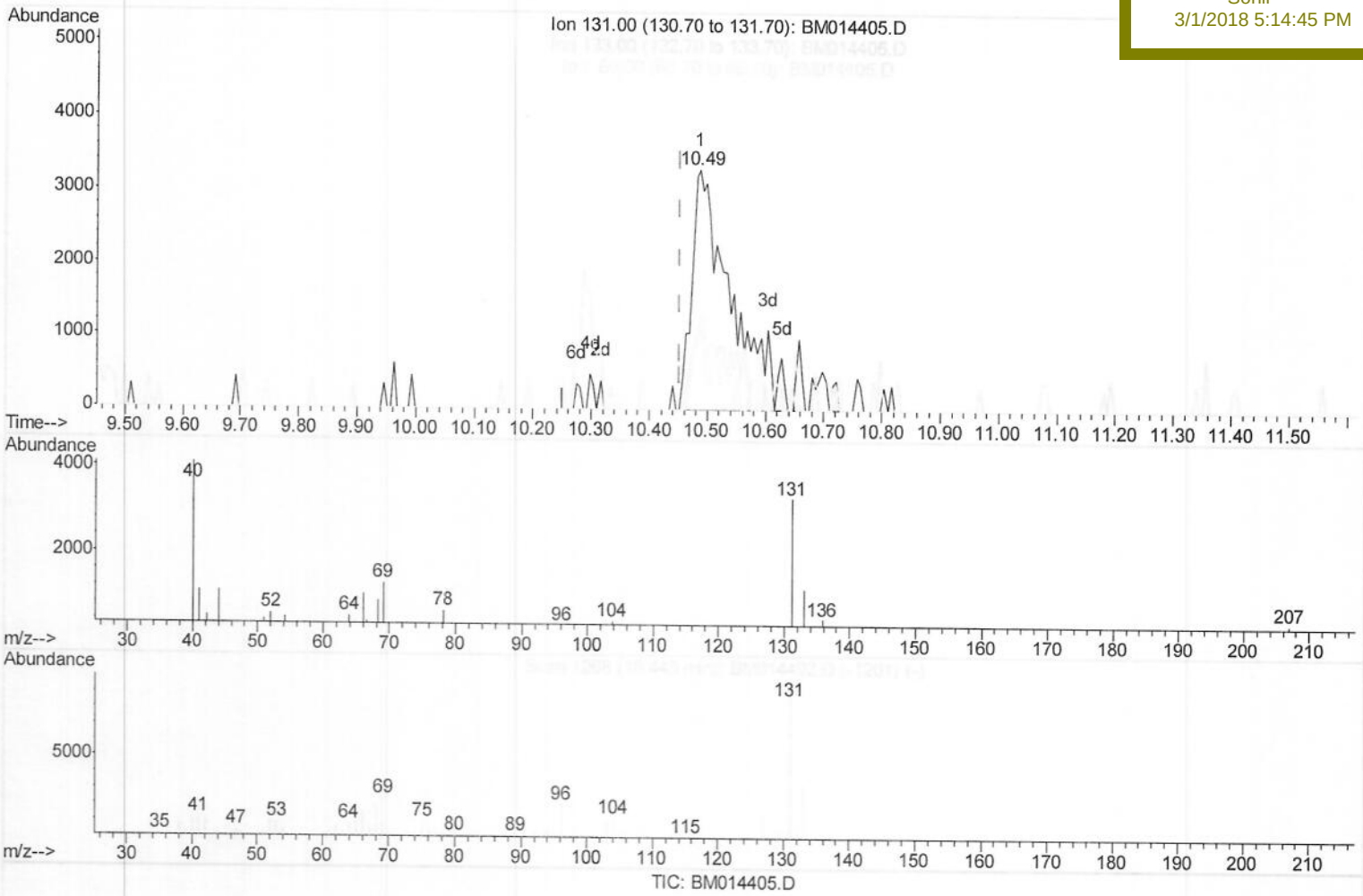
Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

(29) 4-Chloroaniline-d4 (S)

10.486min (+0.035) 2.39ng/ul m > SJ 03/10/18

response 15028

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	35.46
69.00	24.30	38.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
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Instrument :
BNA_M
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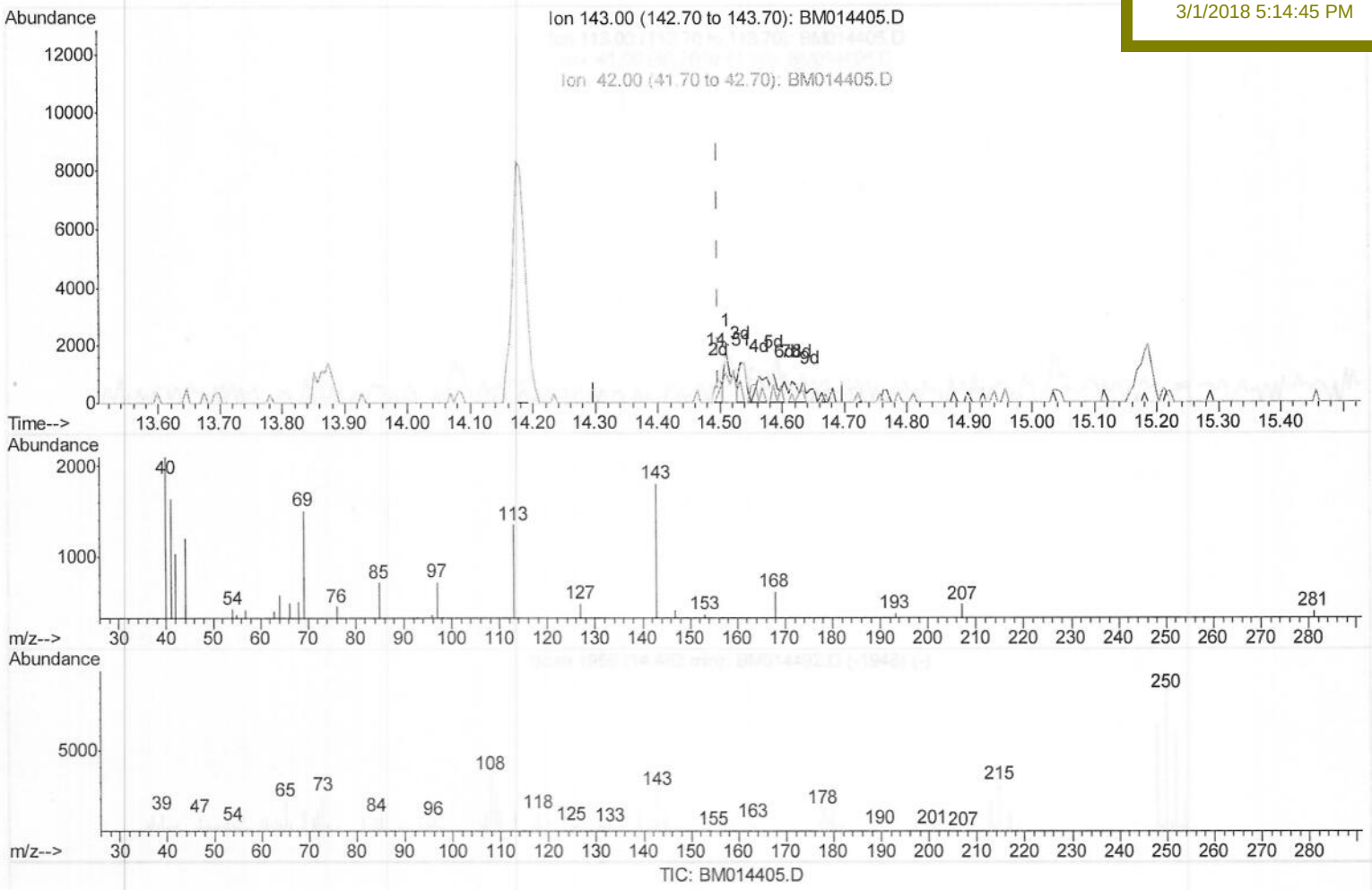
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

(51) 4-Nitrophenol-d4 (S)

14.510min (+0.011) 0.57ng/ul

response 1529

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	74.93#
41.00	34.80	91.36#
42.00	20.50	57.60#

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
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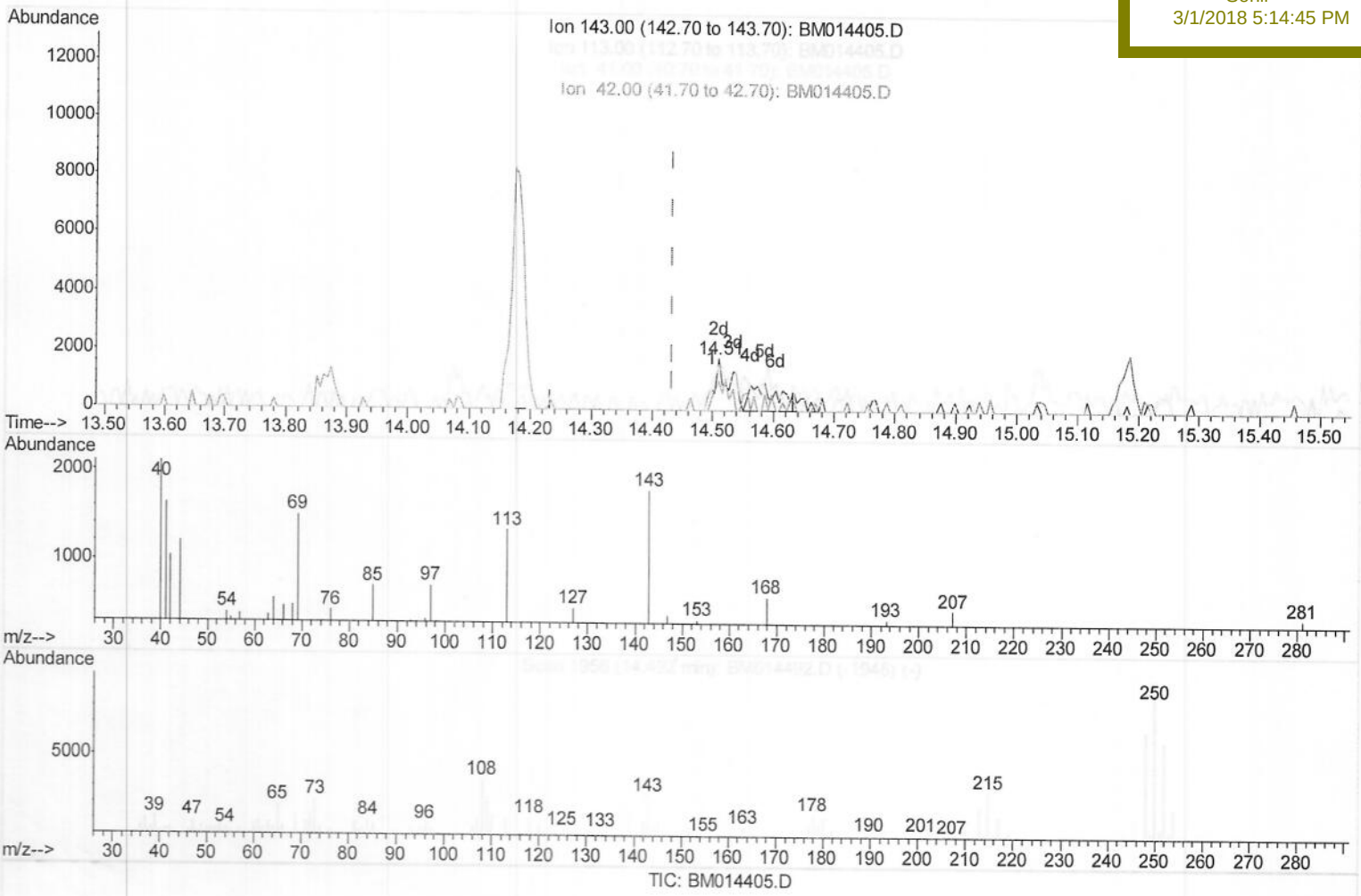
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



(51) 4-Nitrophenol-d4 (S)

14.510min (+0.076) 1.22ng/ul m > S.J 03/10/18

response 3266

Ion	Exp%	Act%
143.00	100	100
113.00	114.60	74.93#
41.00	34.80	91.36#
42.00	20.50	57.60#

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
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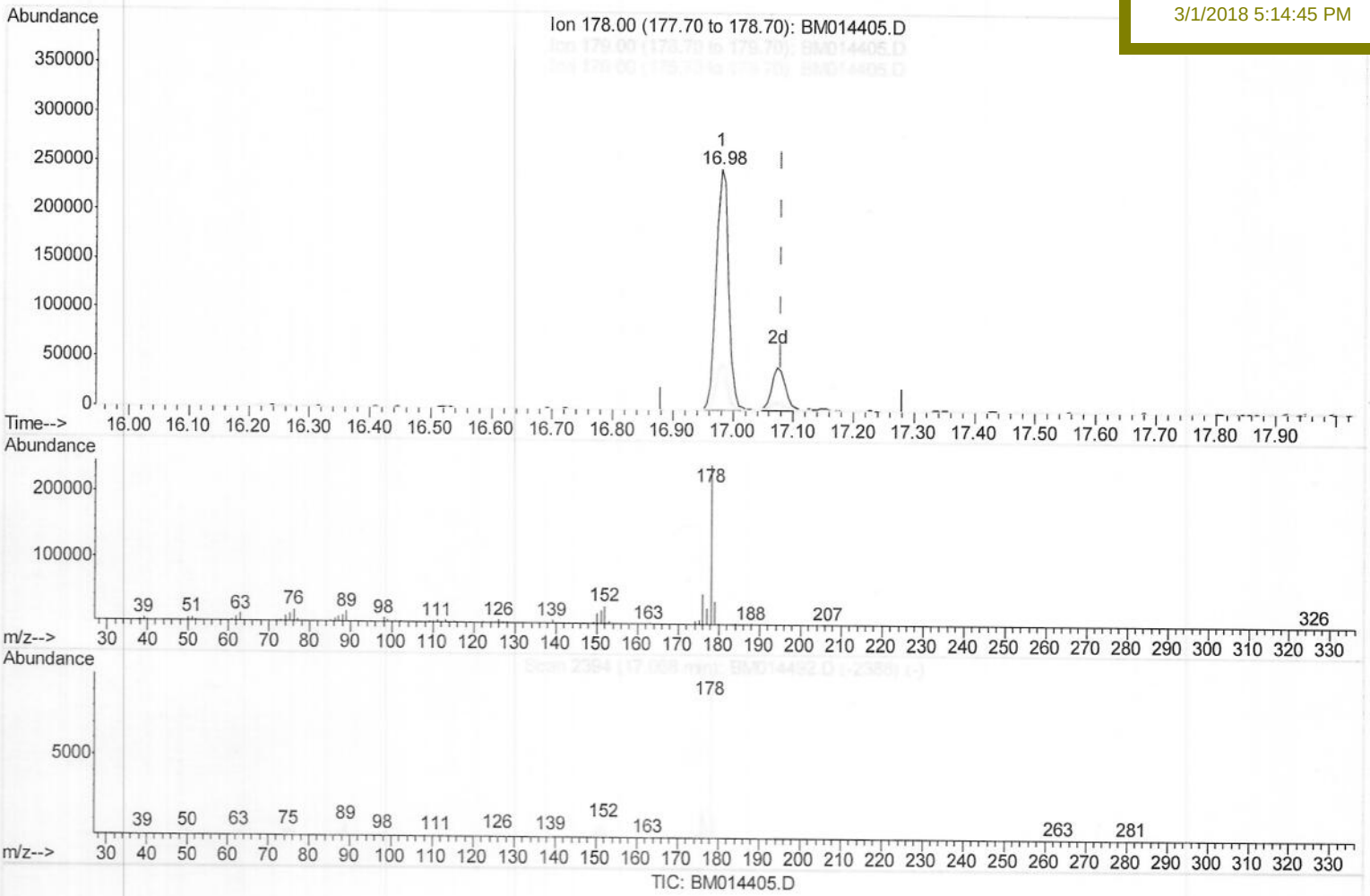
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



(71) Anthracene

16.980min (-0.100) 12.15ng/ul

response 348177

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	14.60
176.00	18.20	19.19
0.00	0.00	0.00

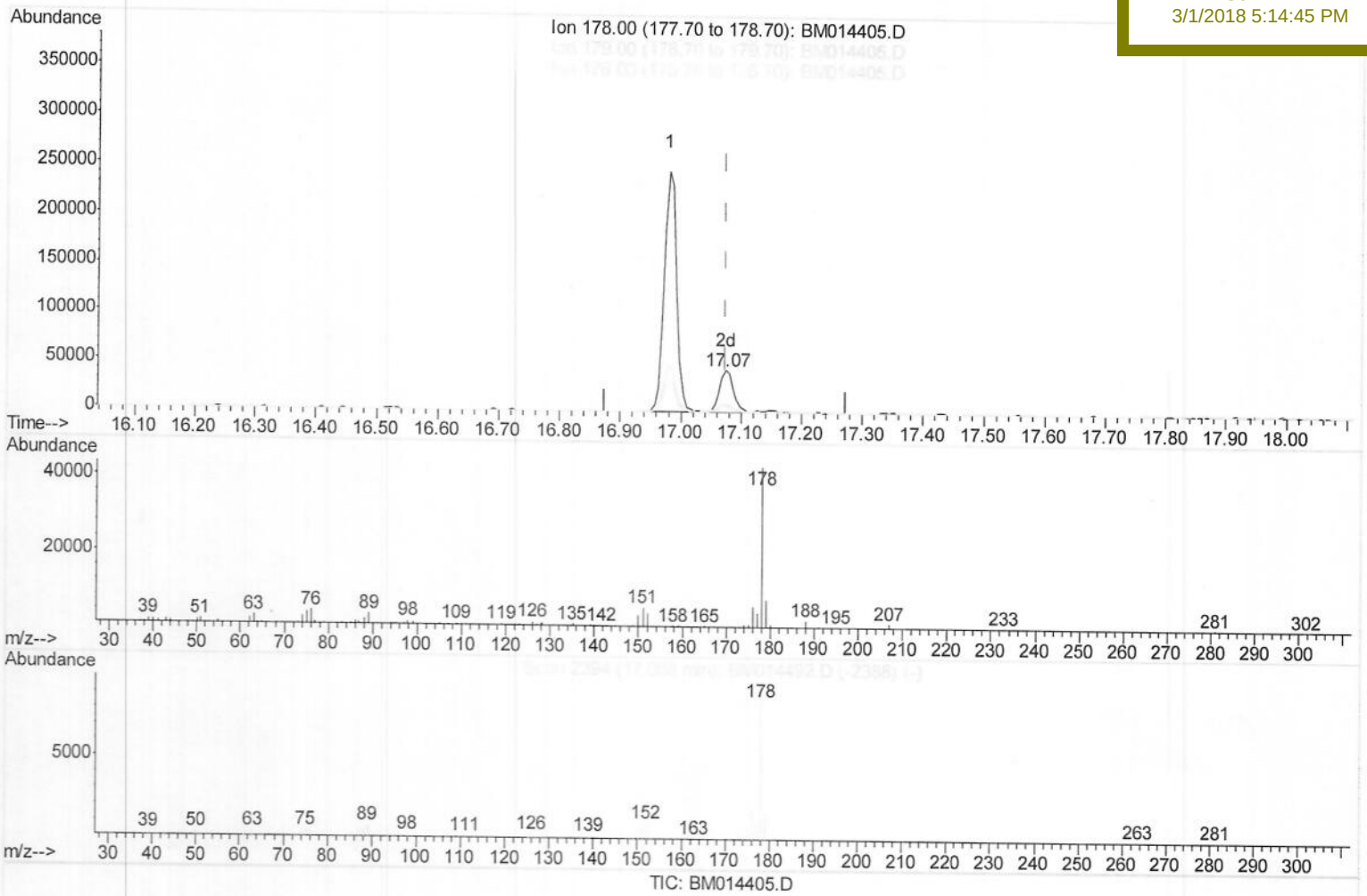
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 28 17:52:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM



TIC: BM014405.D

(71) Anthracene

17.074min (-0.000) 2.44ng/ul m > S.J 03/10/18

response 69965

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	18.03#
176.00	18.20	13.64#
0.00	0.00	0.00

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM022818\
Data File : BM014405.D
Acq On : 28 Feb 2018 15:49
Operator : SJ/JU
Sample : J1646-07DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 28 17:52:24 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 12:00:03 2018
Response via : Initial Calibration

Instrument : BNA_M
ClientSampleId : BE5X1DL

Manual Integrations APPROVED
Sohil
3/1/2018 5:14:45 PM

S.J 03/10/18

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	97936m	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	402665	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	235644	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	494570	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	446995	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	434428	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.10	96	2447m	1.07	ng/uL	0.00
5) Phenol-d5	6.73	99	27915	3.37	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	21853m	4.36	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	28198m	4.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	19214	2.65	ng/ul	0.03
19) Nitrobenzene-d5	8.69	128	12405m	4.17	ng/ul	0.01
22) 2-Nitrophenol-d4	9.41	143	11824	3.84	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	9.96	165	24175m	3.79	ng/ul	0.04
29) 4-Chloroaniline-d4	10.49	131	15028m	2.39	ng/ul	0.04
43) Dimethylphthalate-d6	13.60	166	86146	4.43	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	104621	4.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.51	143	3266m	1.22	ng/ul	0.08
57) Fluorene-d10	15.18	176	70987	4.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	869	0.29	ng/ul	0.04
70) Anthracene-d10	17.04	188	109172	4.58	ng/ul	0.00
76) Pyrene-d10	19.34	212	121073	5.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	97200	4.60	ng/ul	0.00
Target Compounds						Qvalue
44) Dimethylphthalate	13.65	163	27934	1.456	ng/ul#	95
69) Phenanthrene	16.98	178	348177	12.219	ng/ul	98
71) Anthracene	17.07	178	69965m	2.441	ng/ul	
74) Fluoranthene	19.01	202	529590	15.556	ng/ul#	93
77) Pyrene	19.38	202	556552	18.735	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	257318	9.224	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	487293	27.701	ng/ul#	94
82) Chrysene	21.19	228	250971	9.644	ng/ul	95
85) Benzo(b)fluoranthene	22.69	252	271407	9.330	ng/ul#	98
86) Benzo(k)fluoranthene	22.72	252	101575	3.673	ng/ul#	94
88) Benzo(a)pyrene	23.23	252	208404	8.018	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	25.50	276	136279	5.403	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.49	278	30604	1.460	ng/ul#	86
91) Benzo(g,h,i)perylene	26.16	276	110735	5.419	ng/ul	94

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