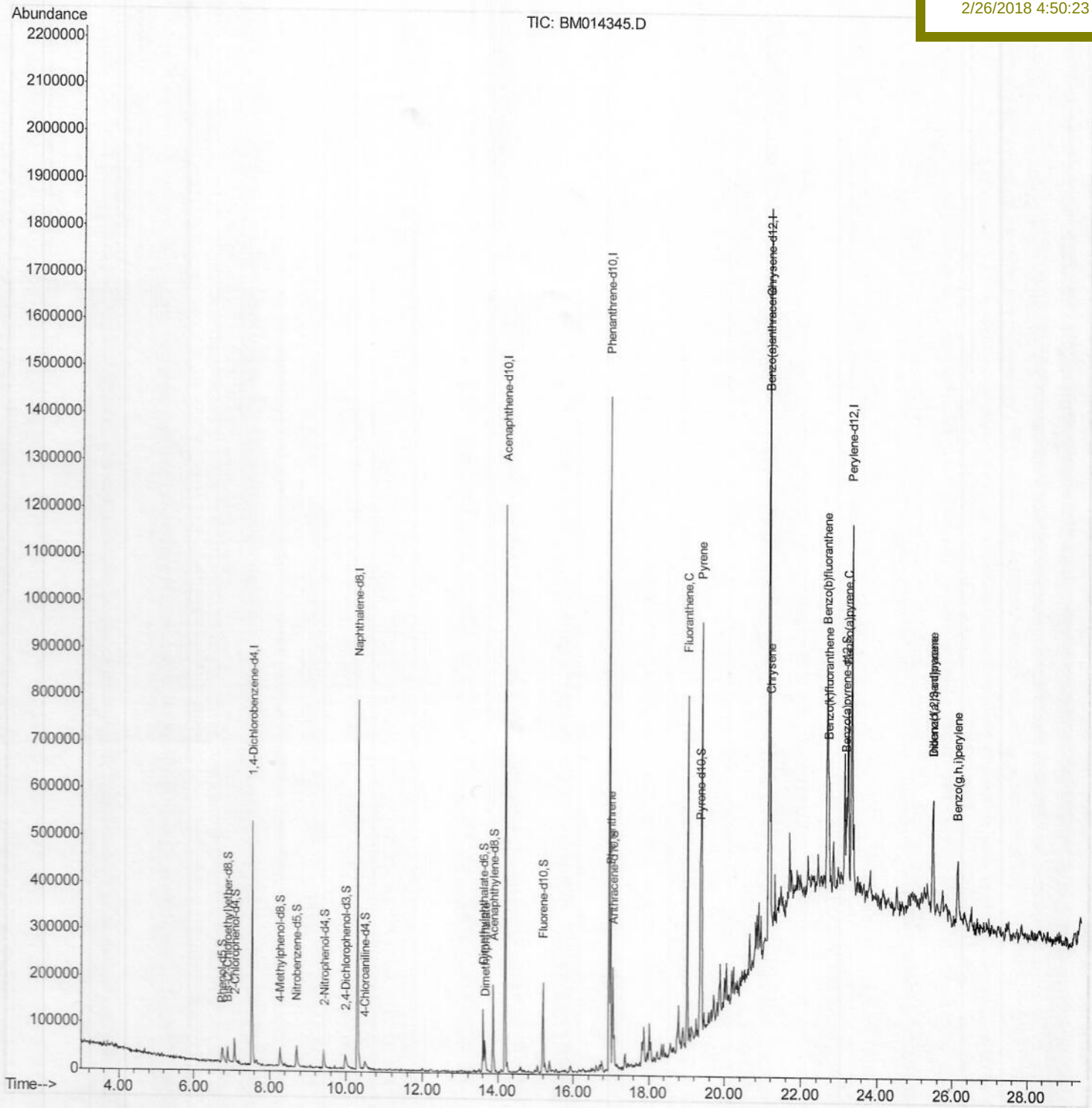
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:46:25 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



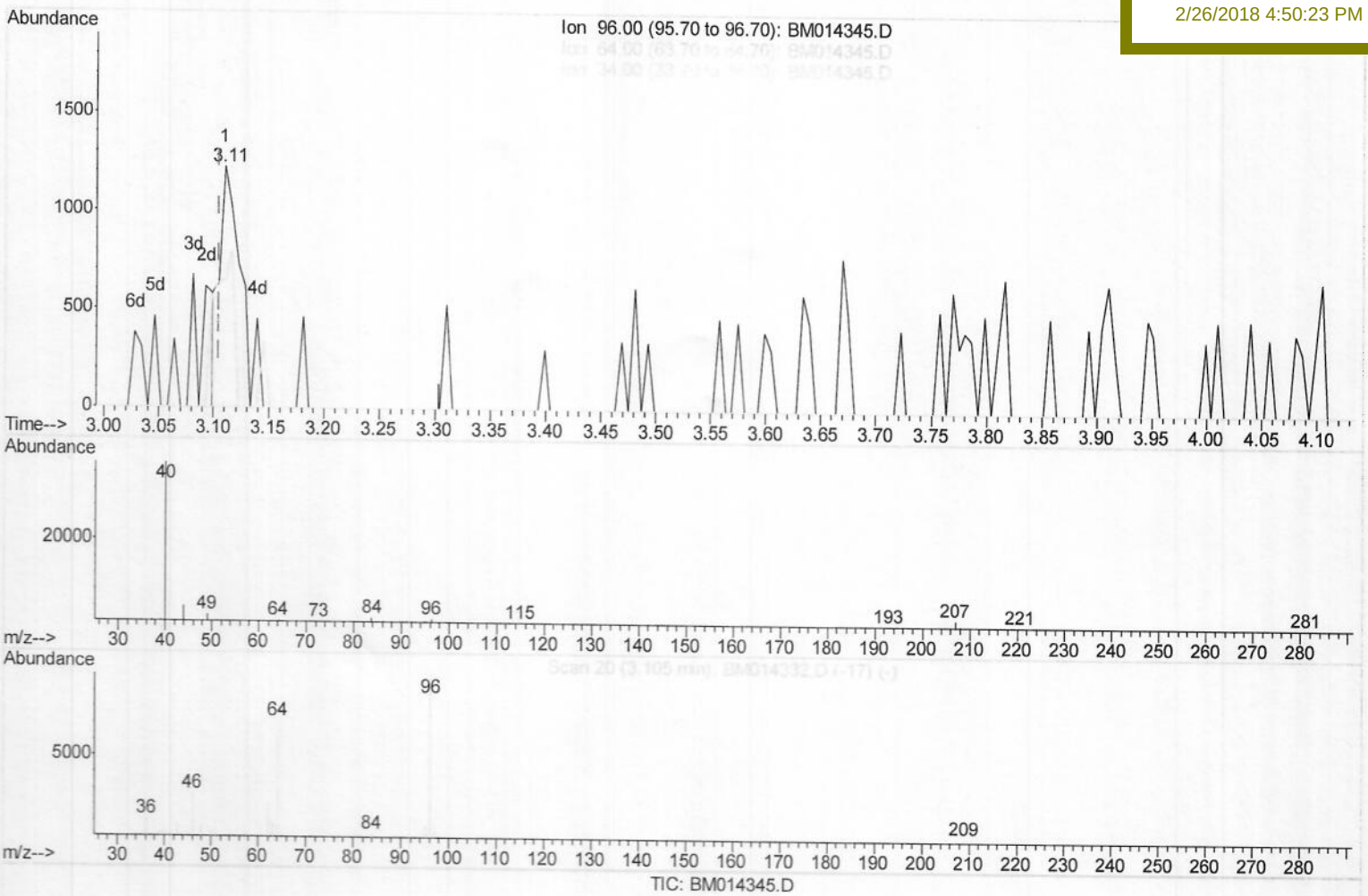
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

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

3.110min (+0.006) 0.47ng/uL

response 1482

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	34.21#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
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Operator : SJ/JU
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Misc :
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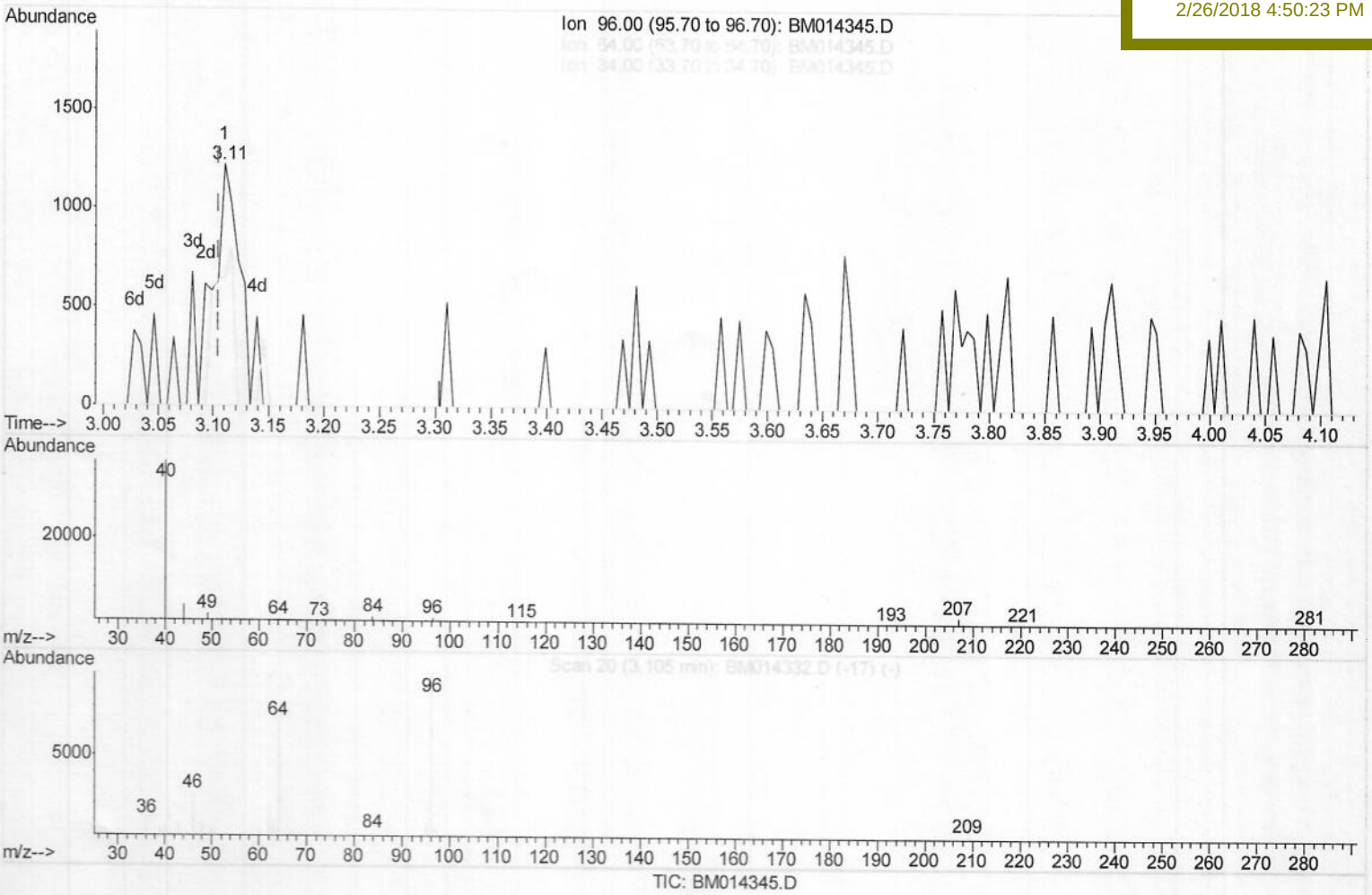
BNA_M
ClientSampleId :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

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

3.110min (+0.006) 0.61ng/uL m → SJ 03/08/18

response 1902

Ion	Exp%	Act%
96.00	100	100
64.00	74.90	26.66#
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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QLast Update : Fri Feb 23 23:12:42 2018
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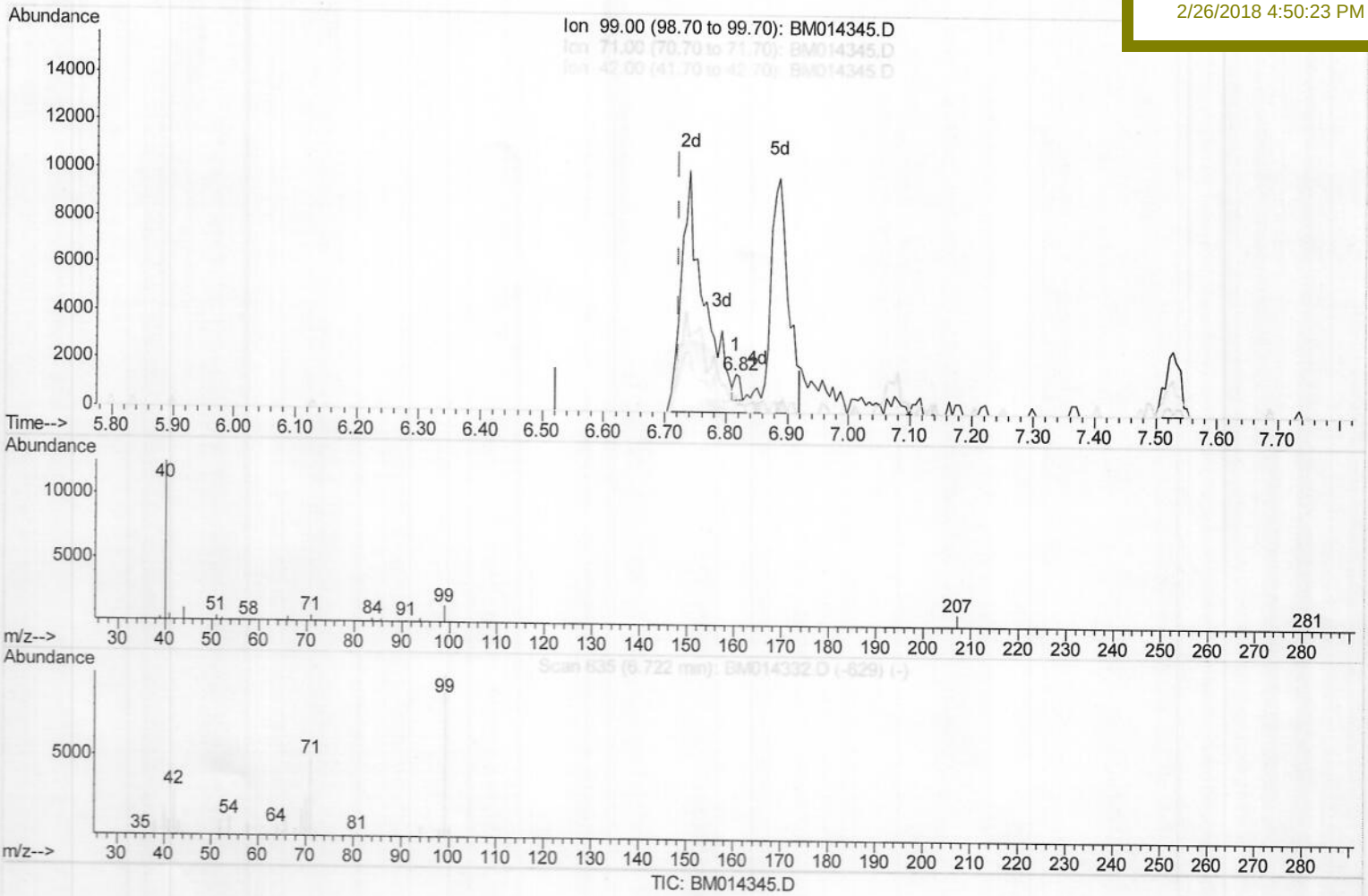
Instrument :
BNA_M
ClientSampleId :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

(5) Phenol-d5 (S)

6.816min (+0.094) 0.06ng/ul

response 705

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	47.06
42.00	24.20	19.65
0.00	0.00	0.00

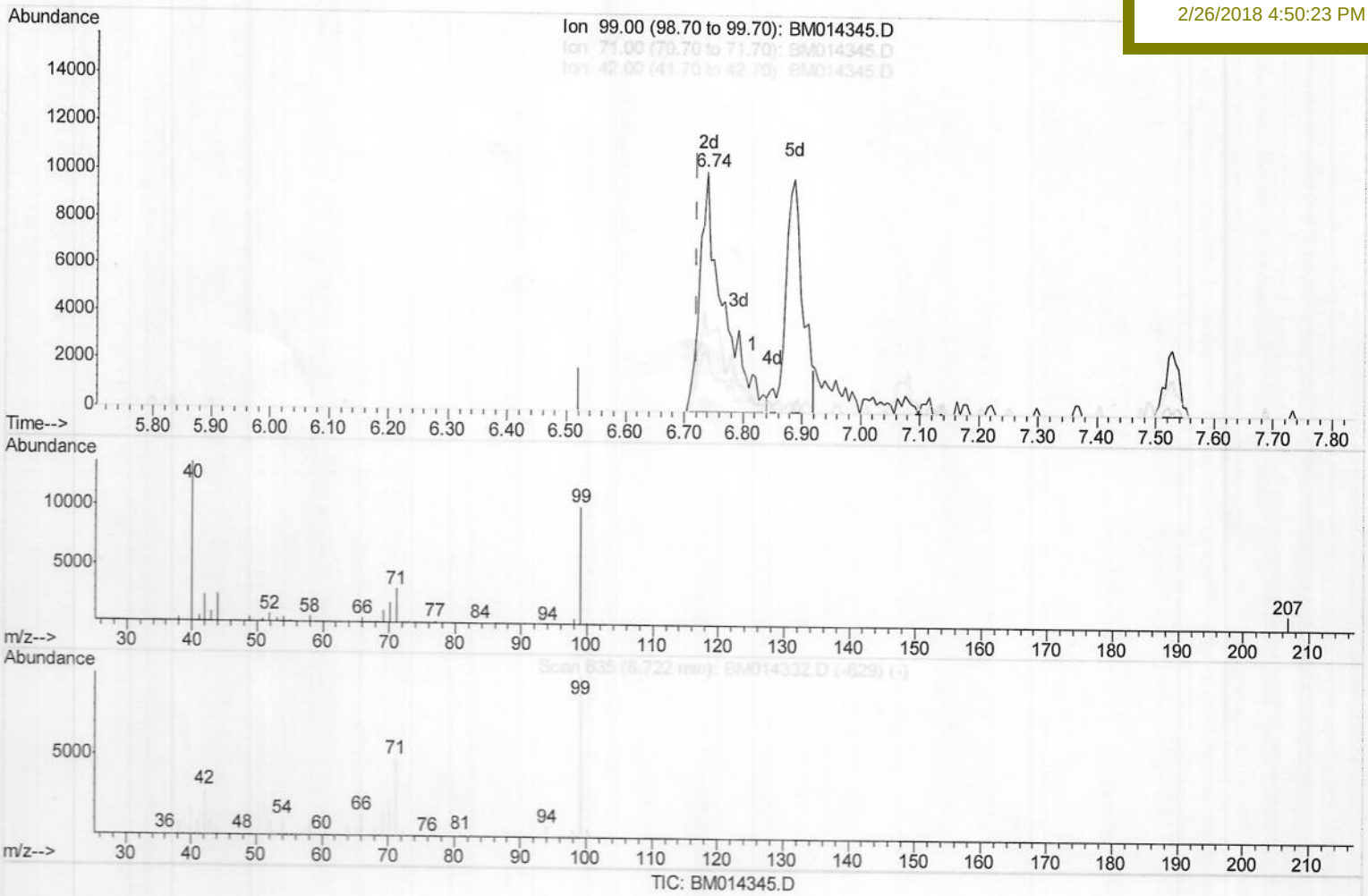
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

(5) Phenol-d5 (S)

6.740min (+0.018) 2.47ng/ul m → SJ 03/08/18

response 28098

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	30.76#
42.00	24.20	24.49
0.00	0.00	0.00

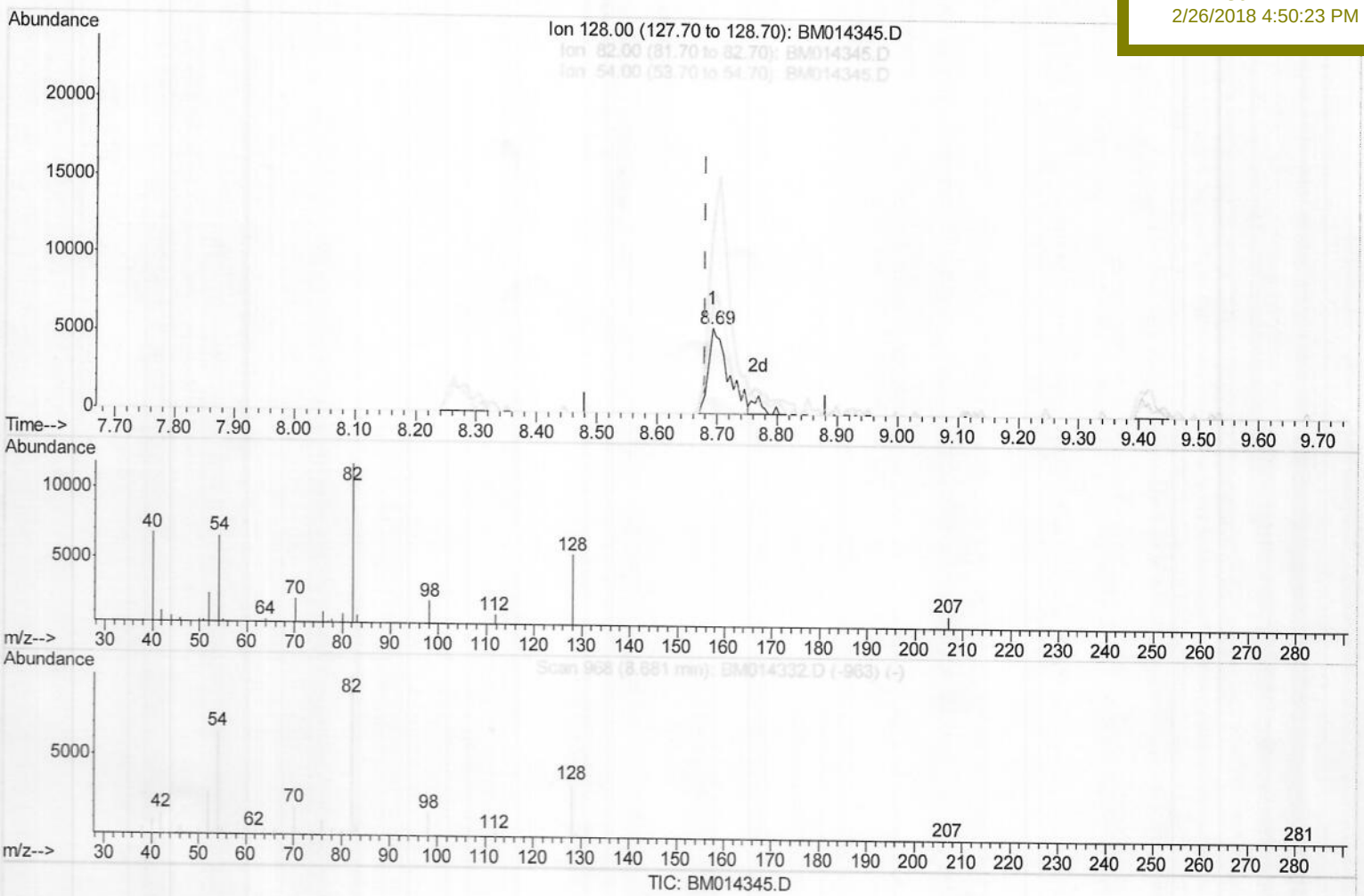
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

(19) Nitrobenzene-d5 (S)

8.692min (+0.012) 2.82ng/ul

response 12433

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	218.15#
54.00	142.70	120.71
0.00	0.00	0.00

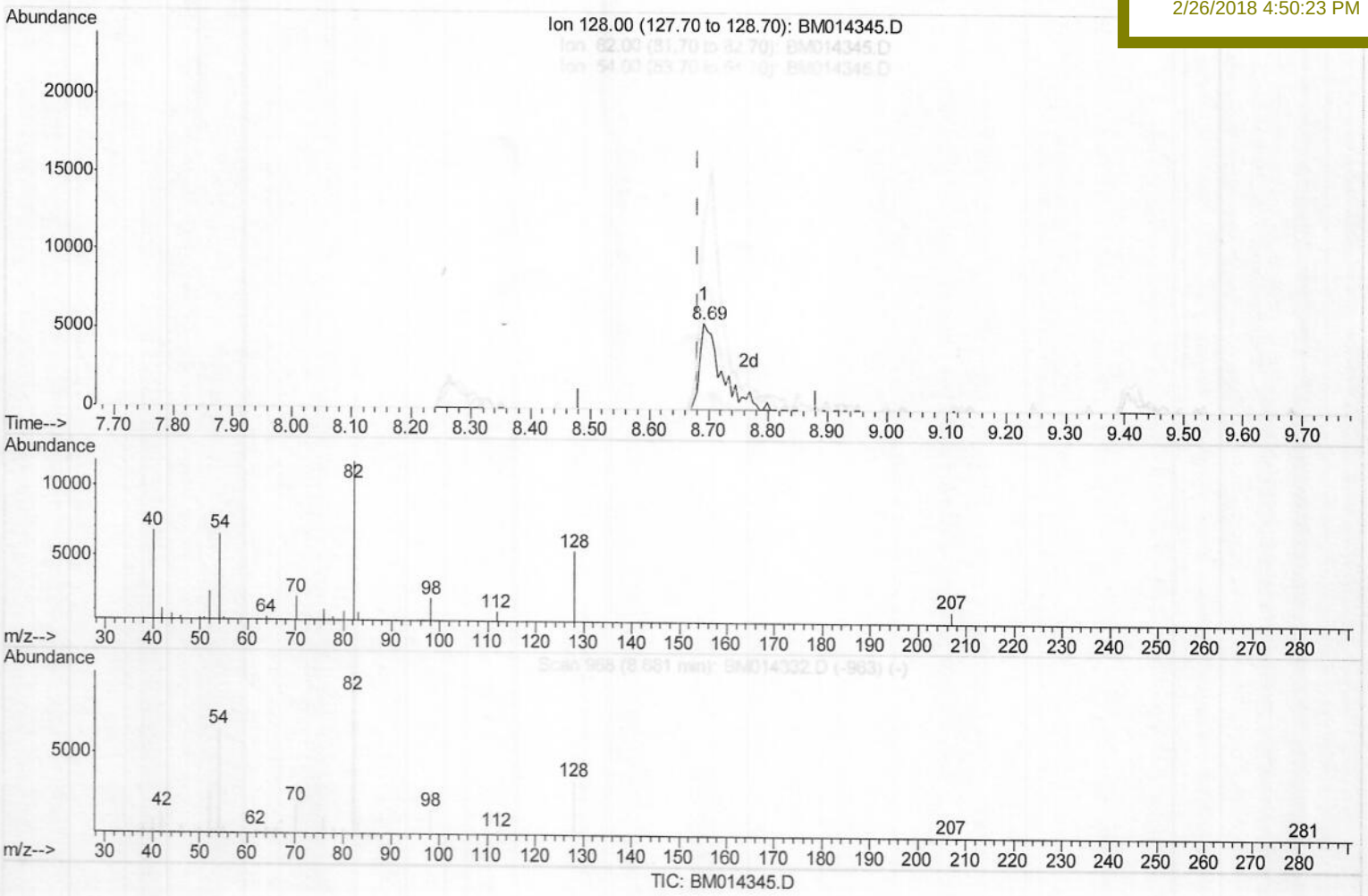
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

(19) Nitrobenzene-d5 (S)

8.692min (+0.012) 3.10ng/ul m → SJ 03/08/18

response 13681

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	218.15#
54.00	142.70	120.71
0.00	0.00	0.00

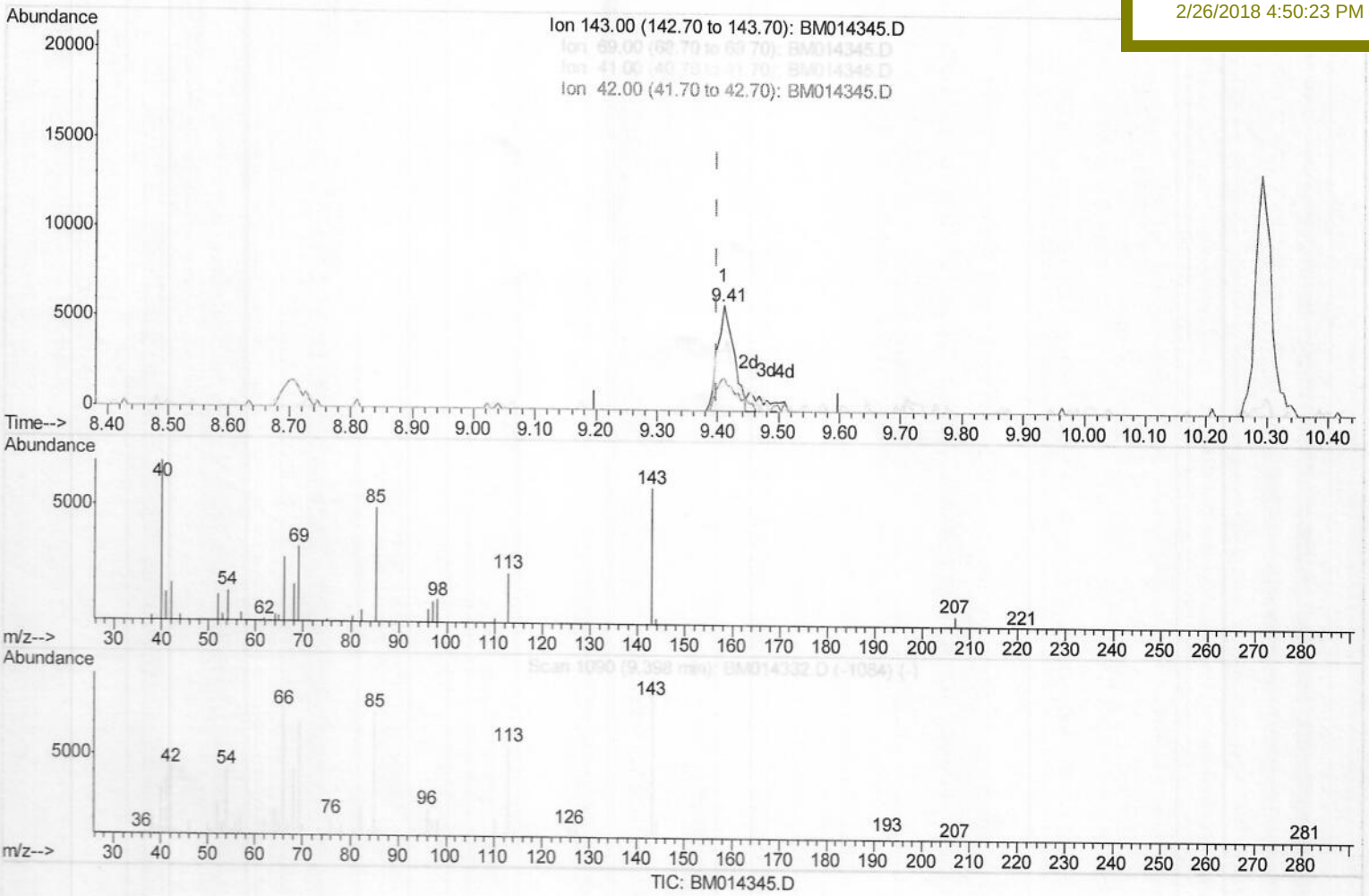
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

(22) 2-Nitrophenol-d4 (S)

9.410min (+0.012) 2.38ng/ul

response 10868

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	57.28
41.00	23.80	25.06
42.00	24.30	31.51#

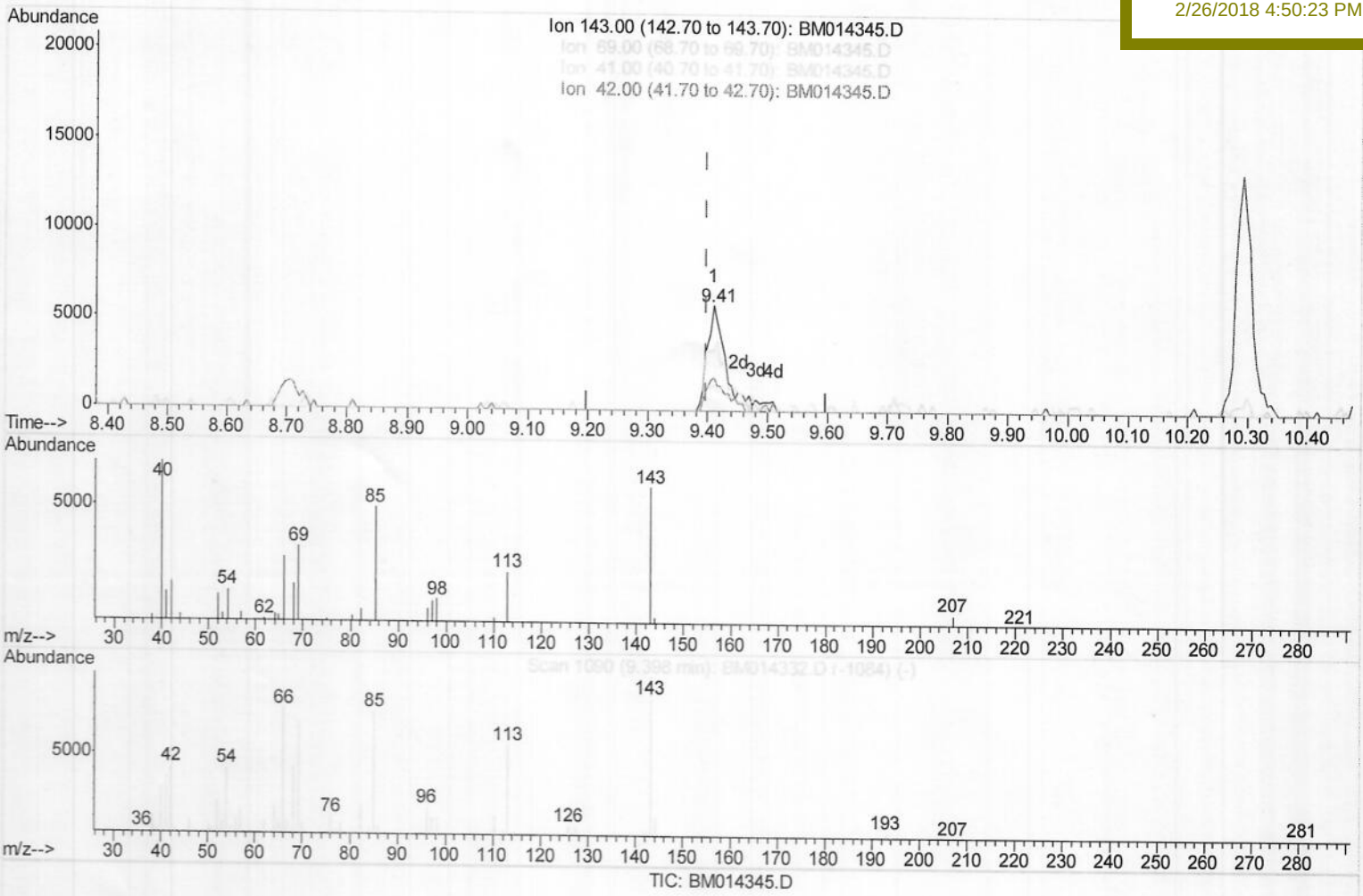
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



(22) 2-Nitrophenol-d4 (S)

9.410min (+0.012) 2.67ng/ul m → SJ 03/08/18

response 12179

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	57.28
41.00	23.80	25.06
42.00	24.30	31.51#

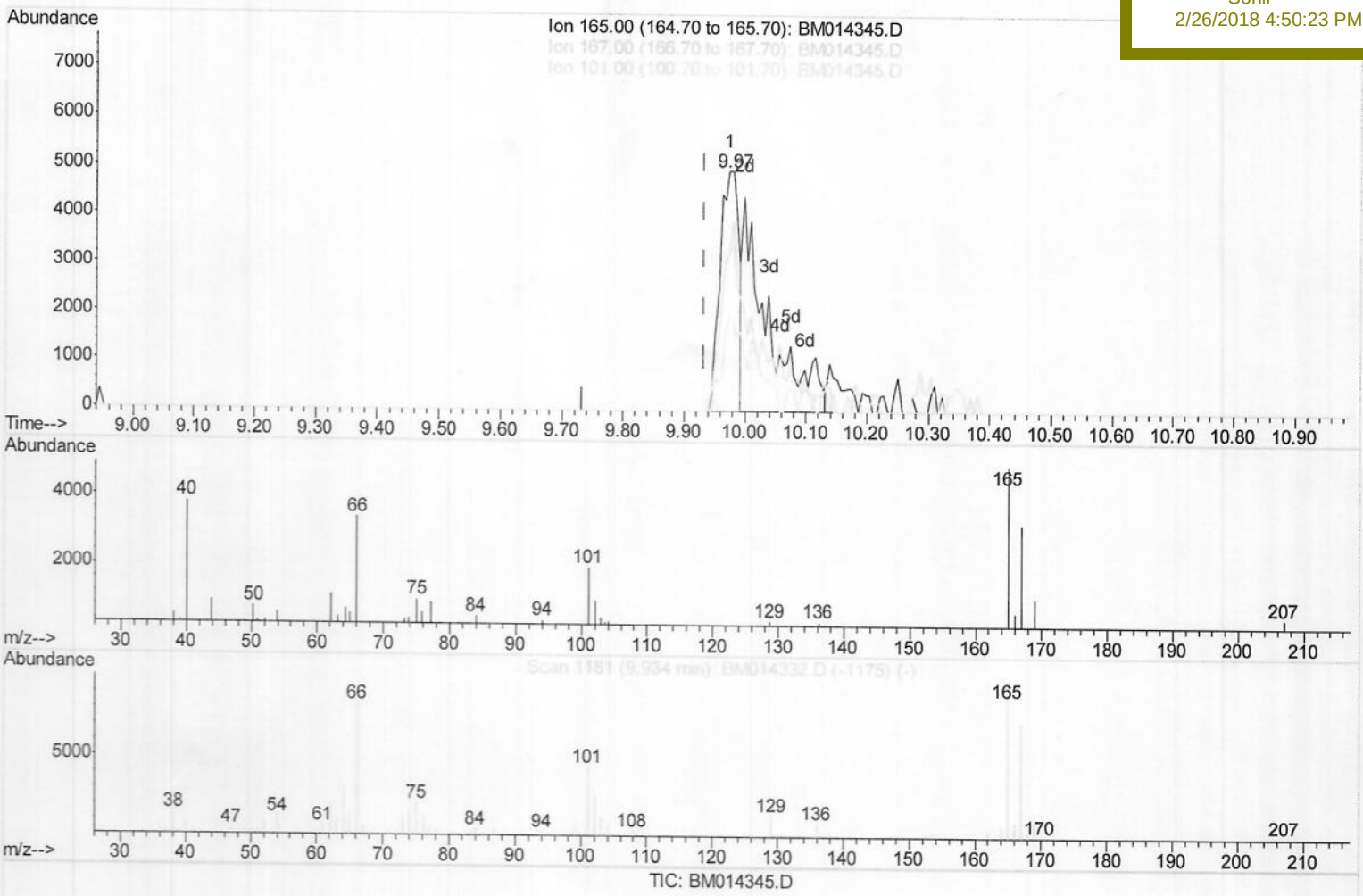
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

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

9.975min (+0.041) 1.13ng/ul

response 10669

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	65.38
101.00	29.30	39.03#
0.00	0.00	0.00

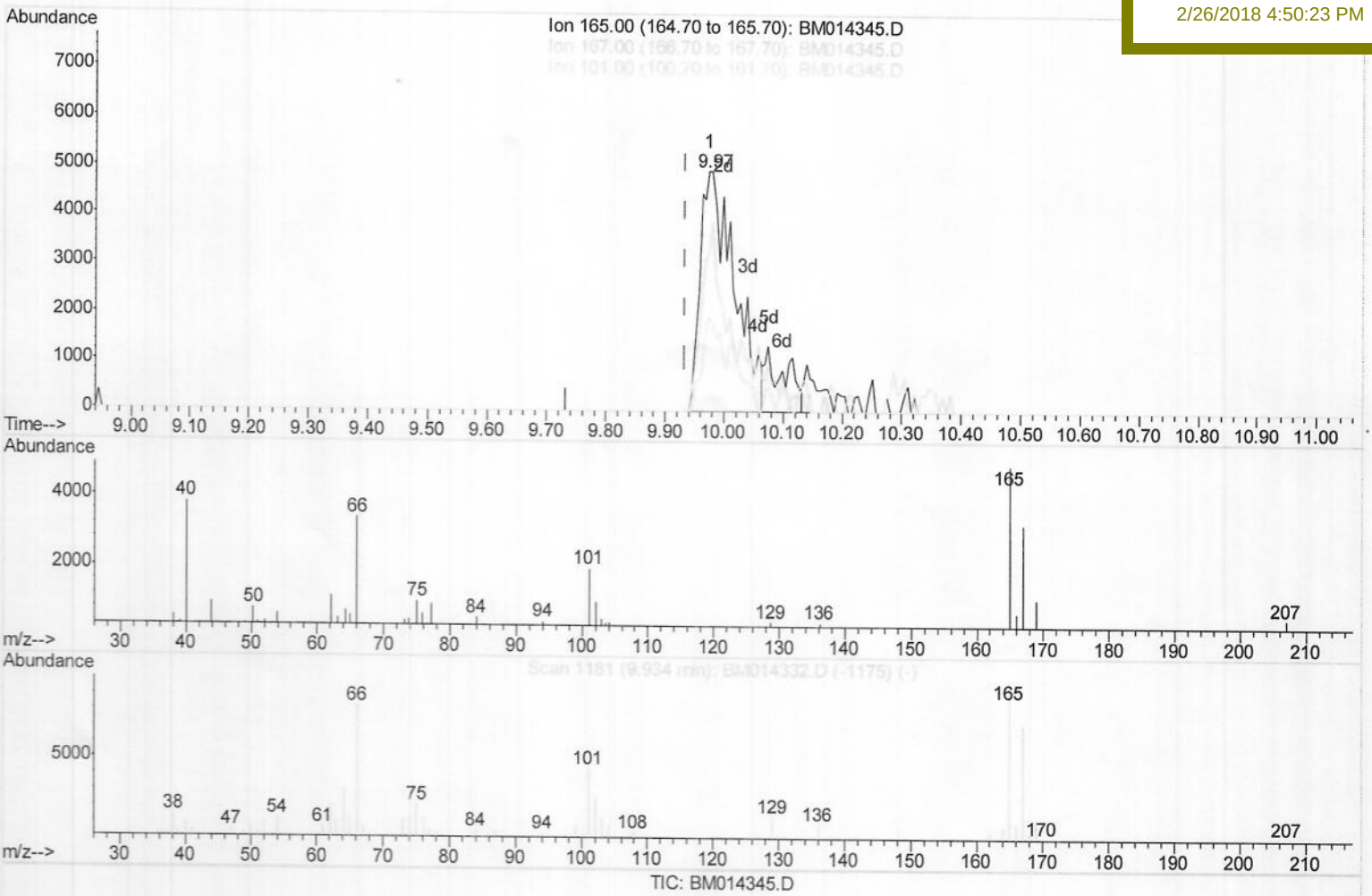
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

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

9.975min (+0.041) 2.10ng/ul m → SJ 03/08/18

response 19841

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	65.38
101.00	29.30	39.03#
0.00	0.00	0.00

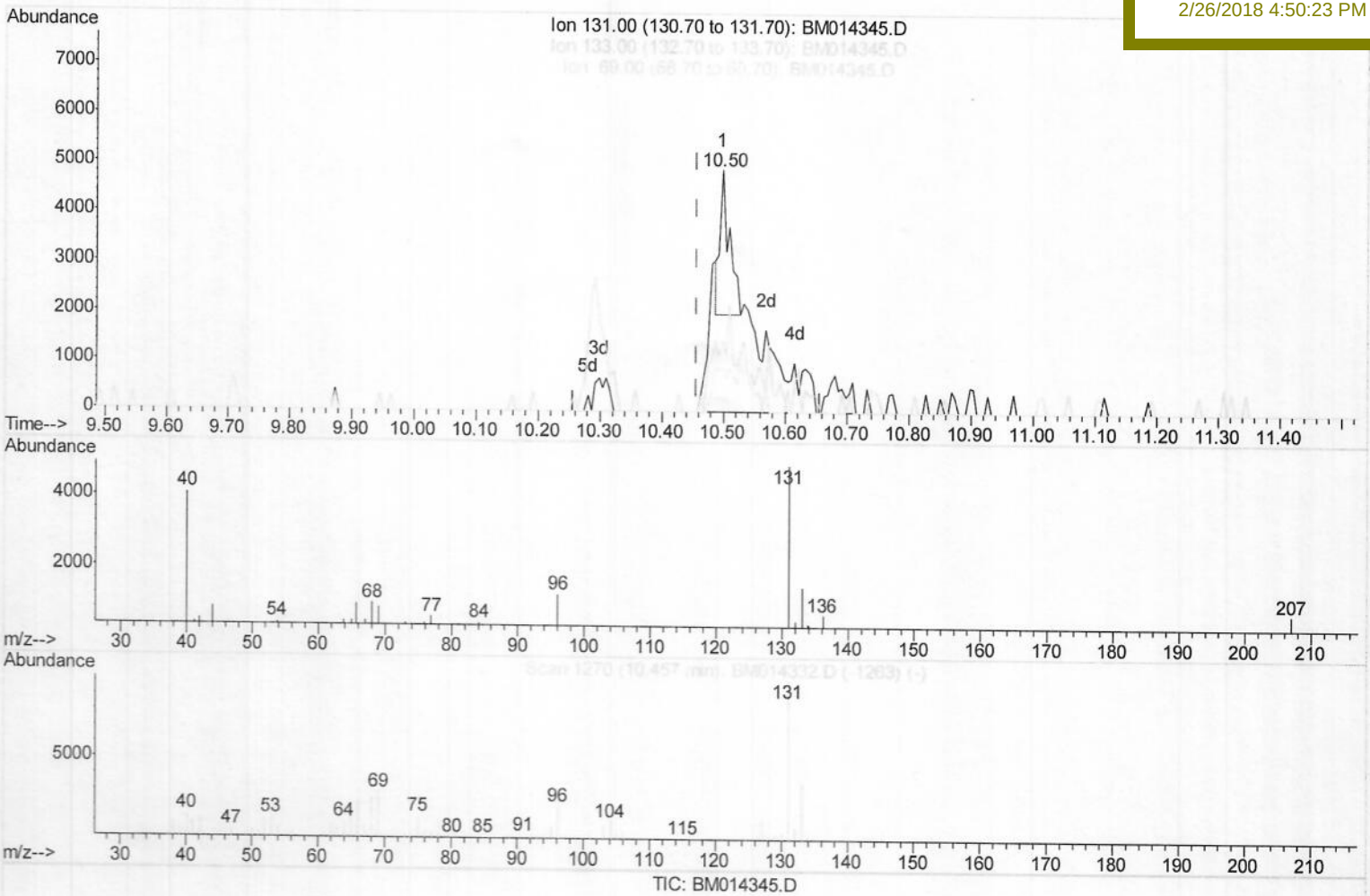
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 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 :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

(29) 4-Chloroaniline-d4 (S)

10.498min (+0.041) 0.33ng/ul

response 3109

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	29.72
69.00	24.30	16.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:28:34 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
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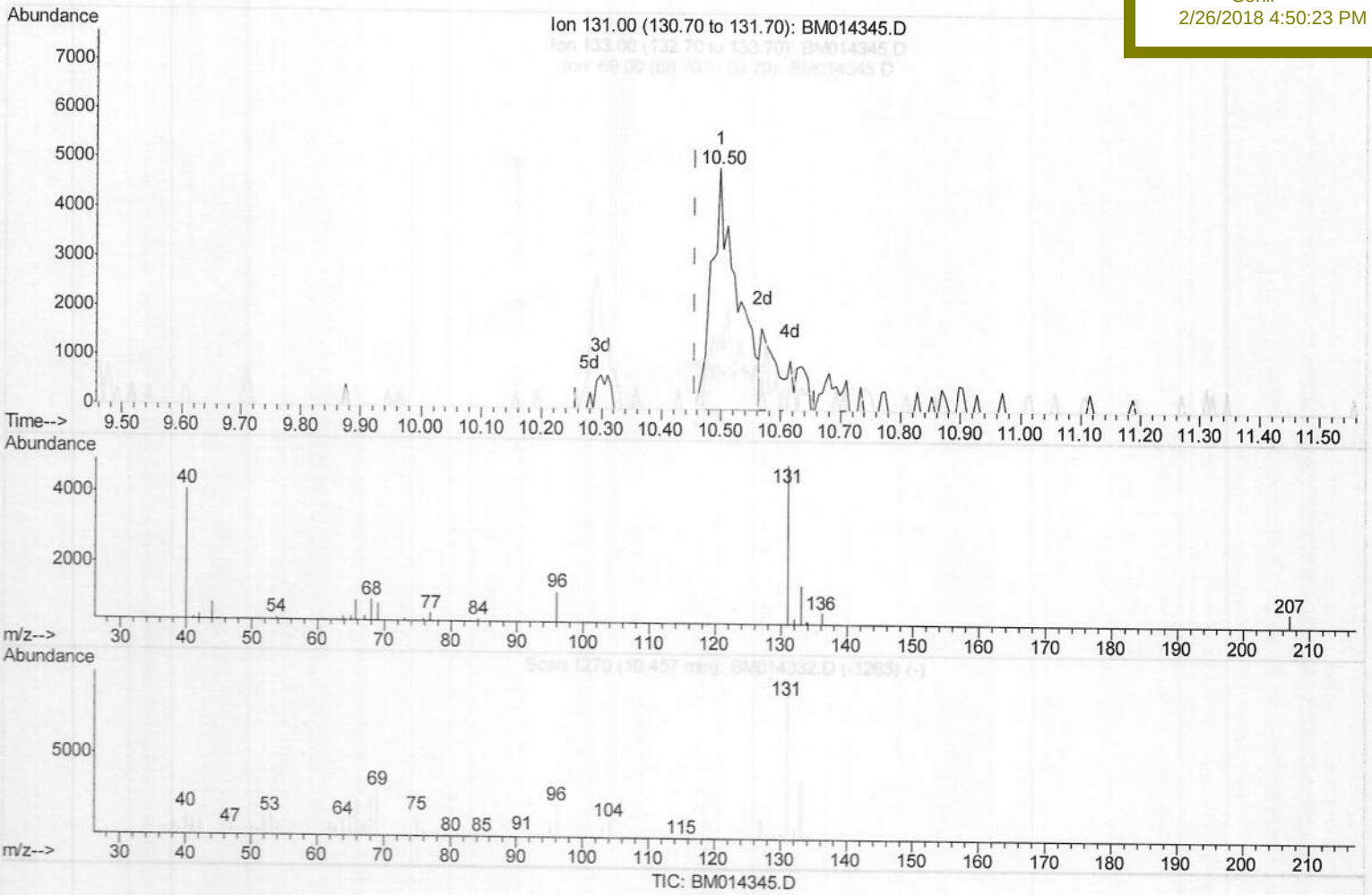
Instrument :
BNA_M
ClientSampleId :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

(29) 4-Chloroaniline-d4 (S)

10.498min (+0.041) 1.55ng/ul m → SJ 03/08/18

response 14405

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	29.72
69.00	24.30	16.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:42:52 2018
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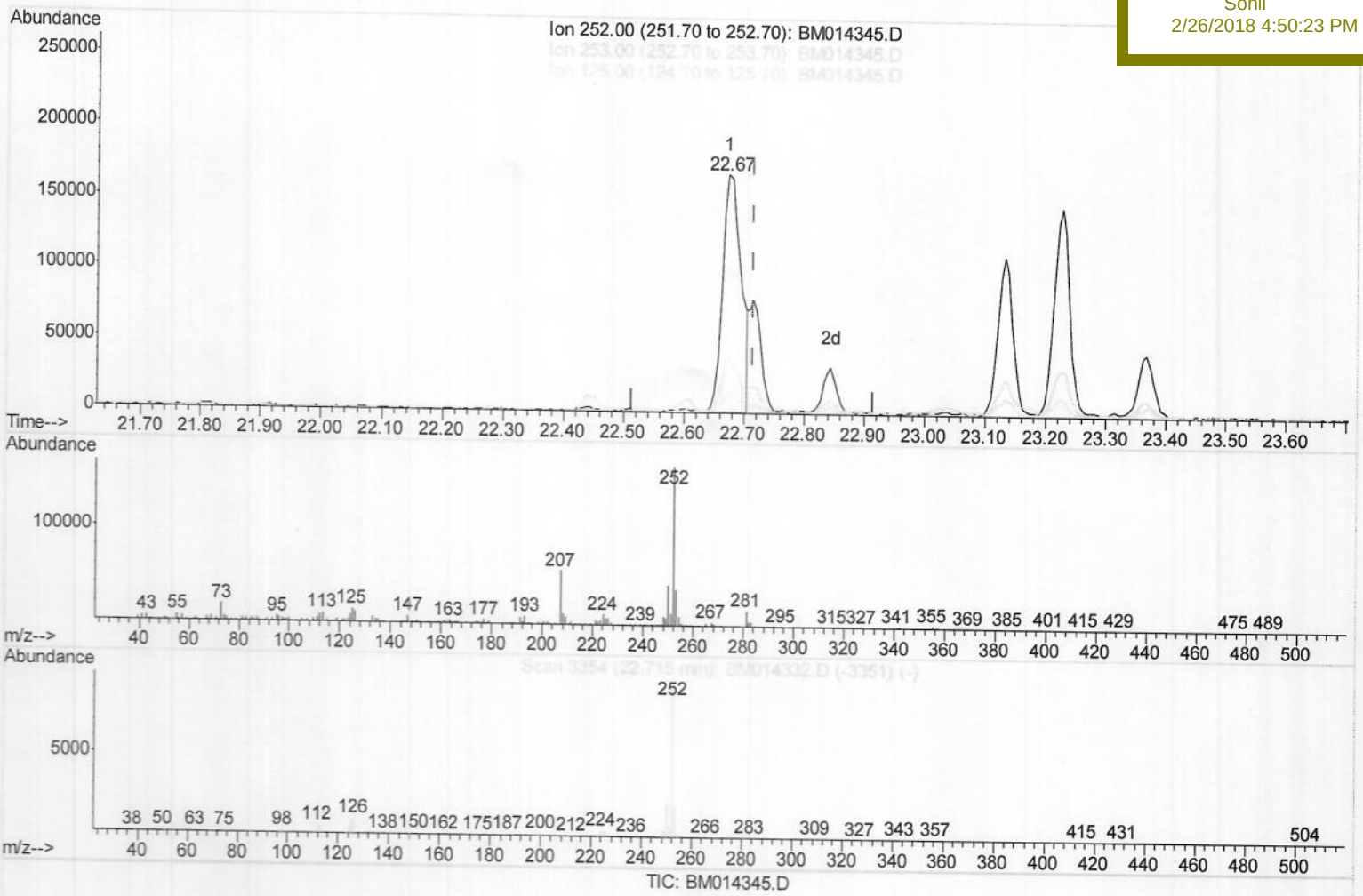
Instrument :
BNA_M
ClientSampleId :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



(86) Benzo(k)fluoranthene

22.674min (-0.041) 10.45ng/ul

response 353723

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.97
125.00	4.30	8.61#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022318\
Data File : BM014345.D
Acq On : 23 Feb 2018 23:43
Operator : SJ/JU
Sample : J1631-09 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Feb 24 01:42:52 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
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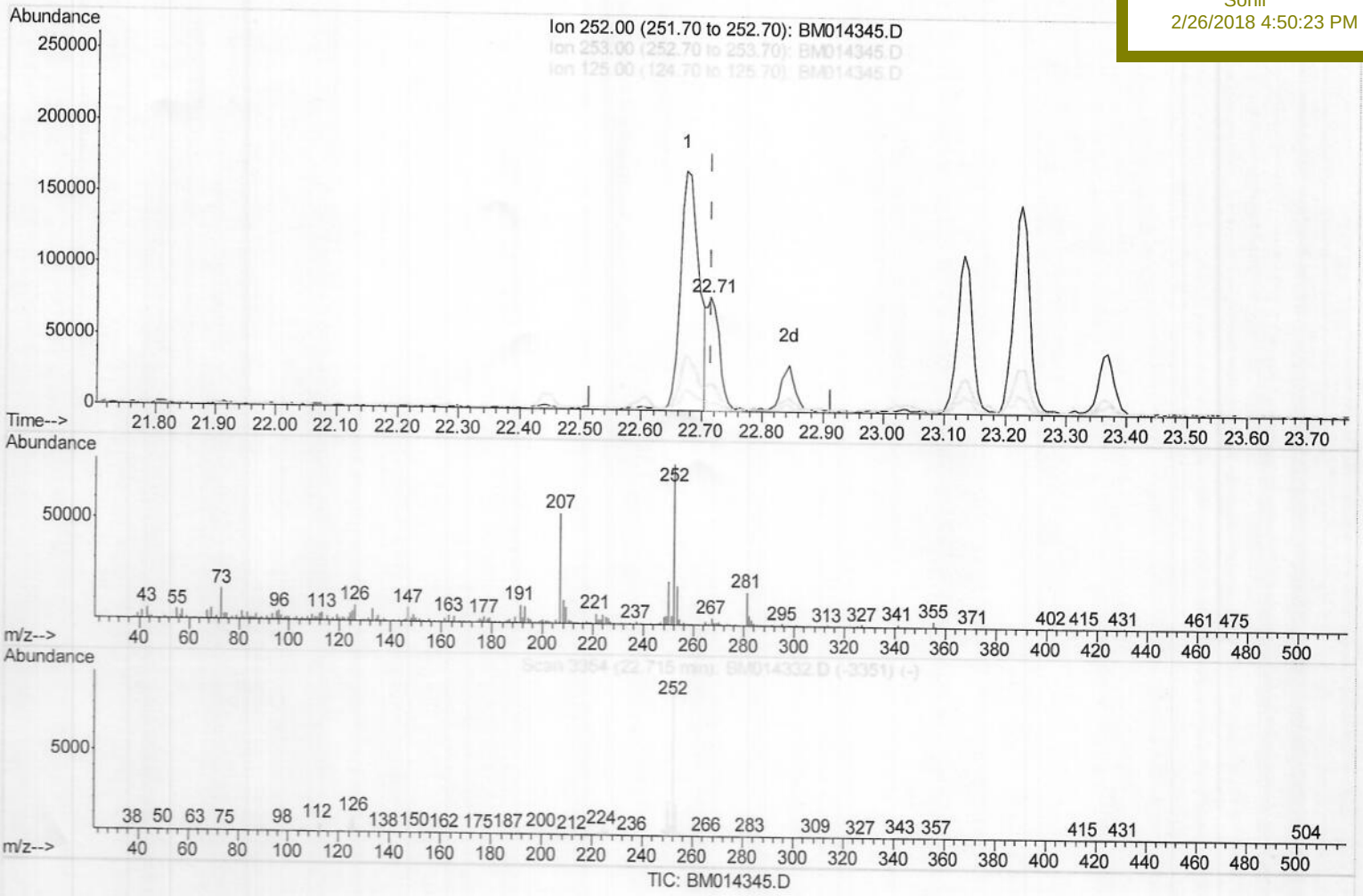
Instrument :
BNA_M
ClientSampleId :
BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM



TIC: BM014345.D

(86) Benzo(k)fluoranthene

22.715min (-0.000) 3.46ng/ul m → SJ 03/08/18

response 117081

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	24.40
125.00	4.30	6.65#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Operator : SJ/JU
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Instrument : BNA_M
ClientSampleId : BE5Z0

Manual Integrations APPROVED
Sohil
2/26/2018 4:50:23 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	134454	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	597259	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	357170	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	739249	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	626453	20.00	ng/ul	0.00
83) Perylene-d12	23.32	264	531612	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.11	96	1902m	0.61	ng/uL	0.00
5) Phenol-d5	6.74	99	28098m	2.47	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.89	67	15264	2.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	22079	2.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	16970	1.71	ng/ul	0.02
19) Nitrobenzene-d5	8.69	128	13681m	3.10	ng/ul	0.01
22) 2-Nitrophenol-d4	9.41	143	12179m	2.67	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.97	165	19841m	2.10	ng/ul	0.04
29) 4-Chloroaniline-d4	10.50	131	14405m	1.55	ng/ul	0.04
43) Dimethylphthalate-d6	13.60	166	94197	3.19	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	115355	3.17	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	484	0.12	ng/ul	0.11
57) Fluorene-d10	15.19	176	77006	2.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	4120	0.93	ng/ul	0.02
70) Anthracene-d10	17.04	188	115309	3.23	ng/ul	0.00
76) Pyrene-d10	19.34	212	126313	3.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	89620	3.46	ng/ul	0.00
Target Compounds						Qvalue
44) Dimethylphthalate	13.66	163	41618	1.431	ng/ul#	94
69) Phenanthrene	16.98	178	188844	4.434	ng/ul	99
74) Fluoranthene	19.01	202	409068	8.039	ng/ul#	91
77) Pyrene	19.37	202	469222	11.271	ng/ul#	94
80) Benzo(a)anthracene	21.13	228	215903	5.522	ng/ul	99
82) Chrysene	21.19	228	225324	6.178	ng/ul	98
85) Benzo(b)fluoranthene	22.67	252	353723	9.937	ng/ul#	97
86) Benzo(k)fluoranthene	22.71	252	117081m	3.460	ng/ul	
88) Benzo(a)pyrene	23.23	252	261537	8.222	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.47	276	193746	6.277	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.47	278	48567	1.894	ng/ul#	80
91) Benzo(g,h,i)perylene	26.13	276	145287	5.810	ng/ul#	96

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