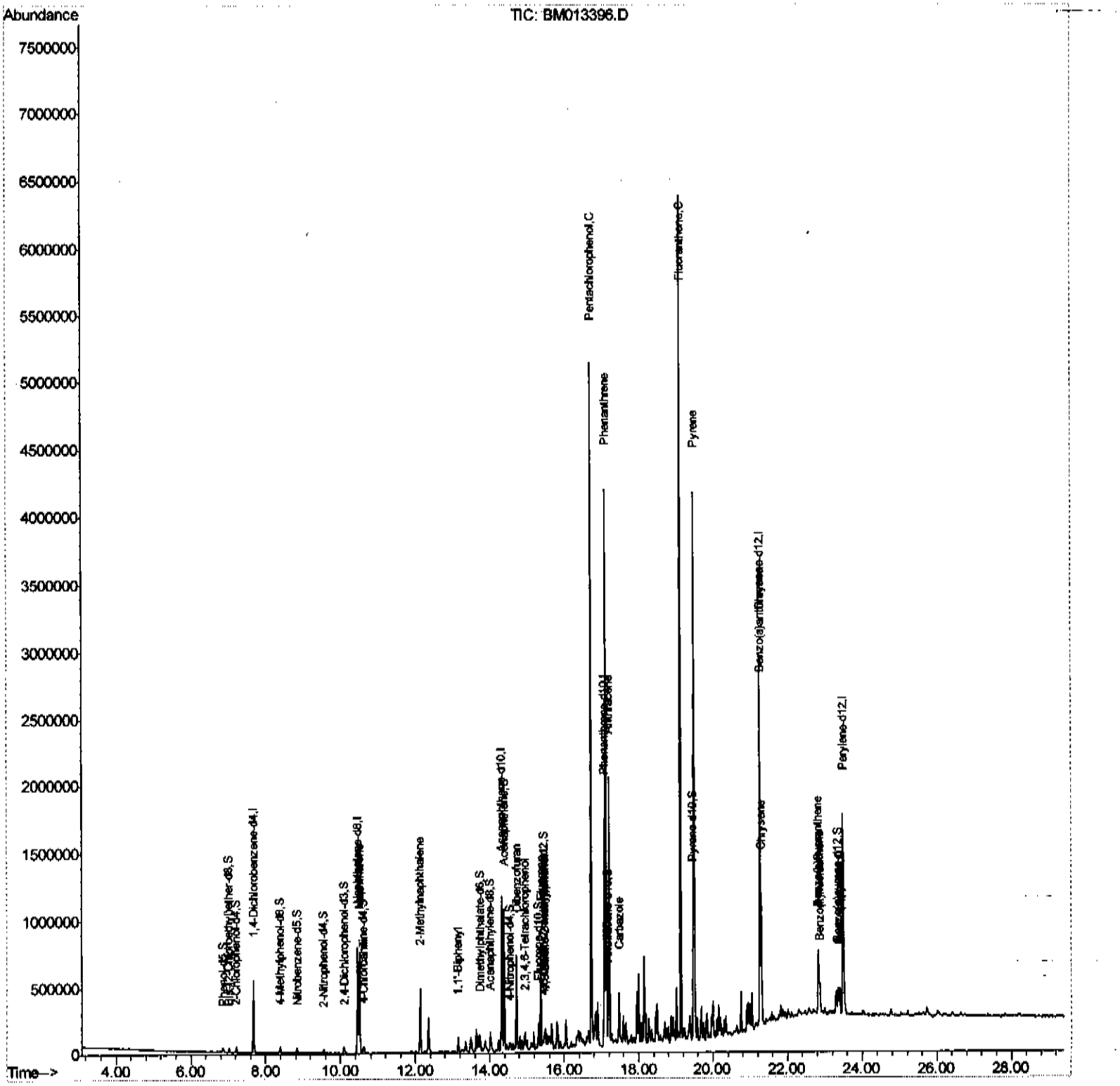
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 14 06:23:02 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations APPROVED
Sohil
12/15/2017 7:34:44 PM

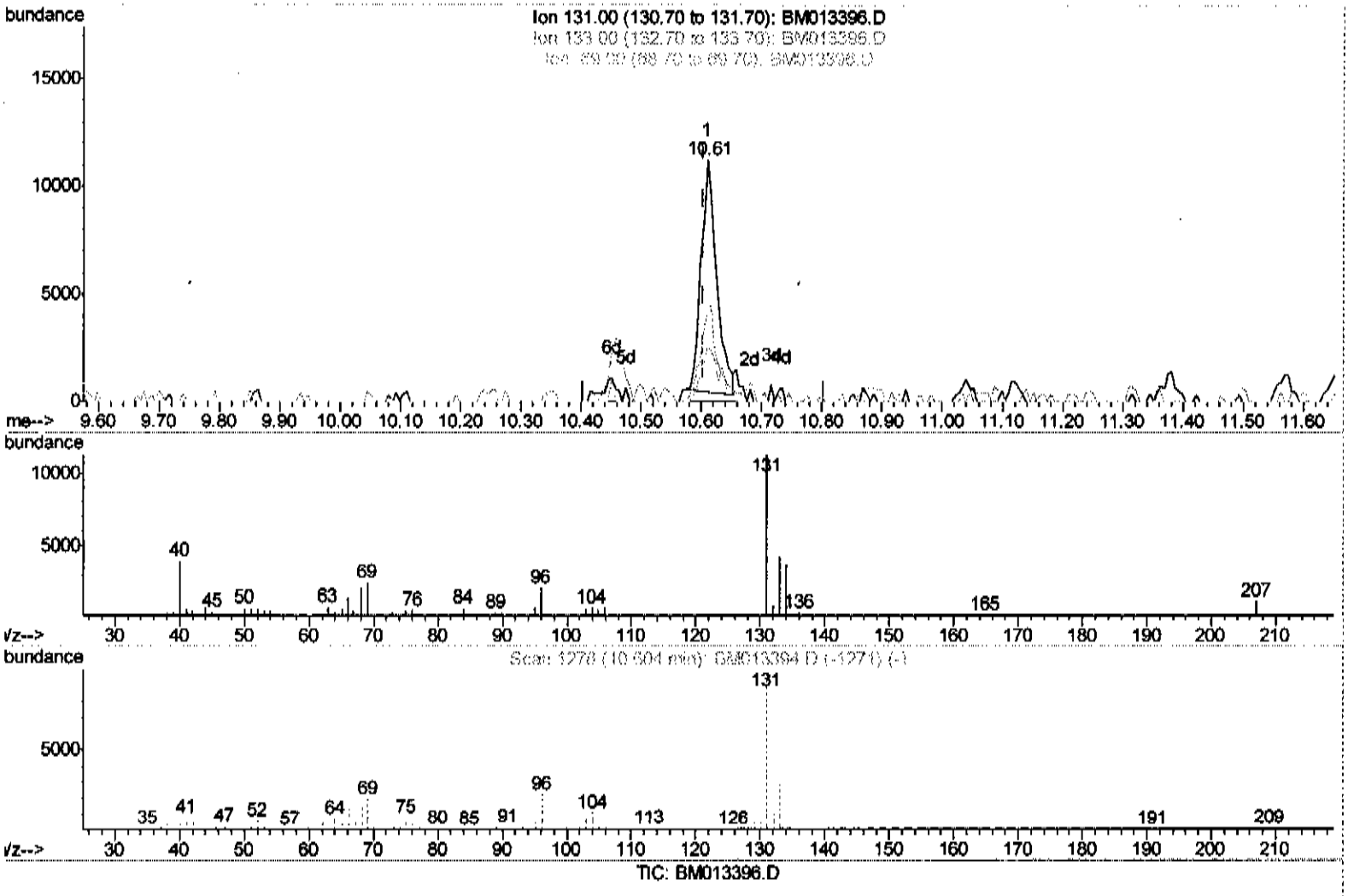


Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 14 06:04:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations APPROVED
Sohil
12/15/2017 7:34:44 PM



TIC: BM013396.D

(29) 4-Chloroaniline-d4 (S)

10.610min (+0.006) 1.97ng/ul

response 19180

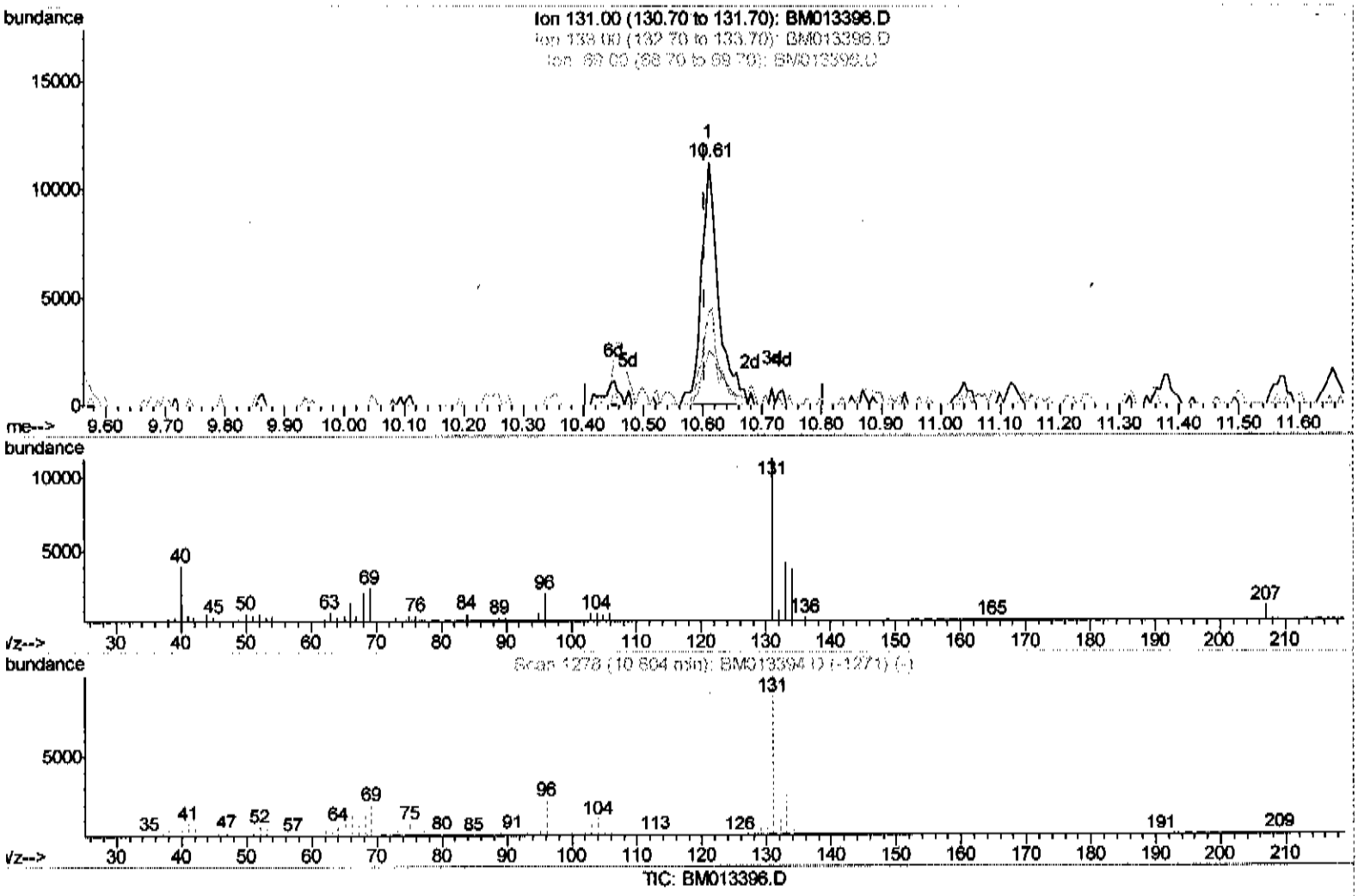
Ion	Exp%	Act%
131.00	100	100
133.00	31.40	38.29#
69.00	24.30	22.34
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 14 06:04:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations APPROVED
Sohil
12/15/2017 7:34:44 PM



(29) 4-Chloroaniline-d4 (S)

10.610min (+0.006) 2.32ng/ul m JU 12/18/17

response 22657

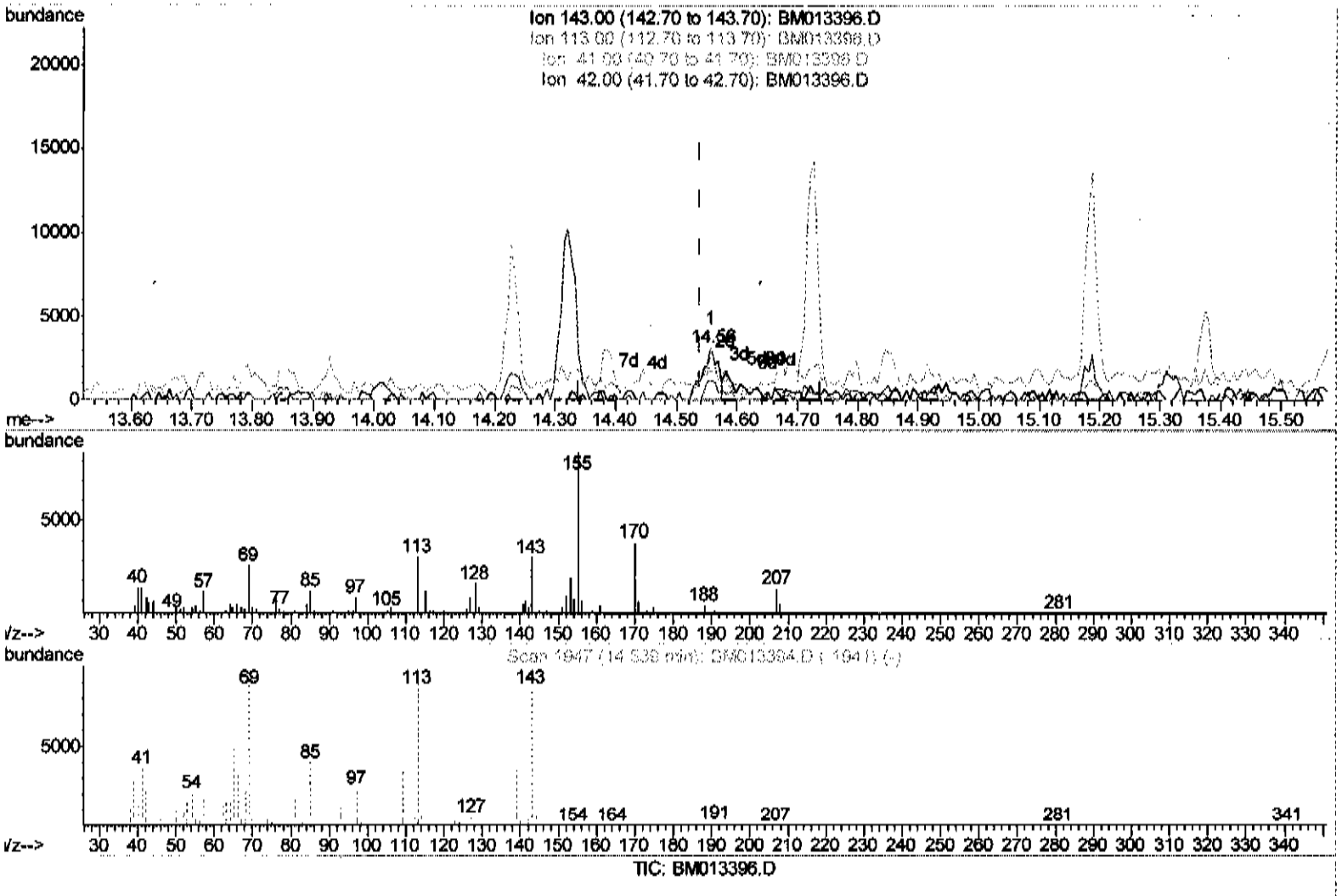
Ion	Exp%	Act%
131.00	100	100
133.00	31.40	38.29#
69.00	24.30	22.34
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 14 06:04:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations APPROVED
Sohil
12/15/2017 7:34:44 PM



(51) 4-Nitrophenol-d4 (S)

14.557min (+0.018) 0.95ng/ul

response 5571

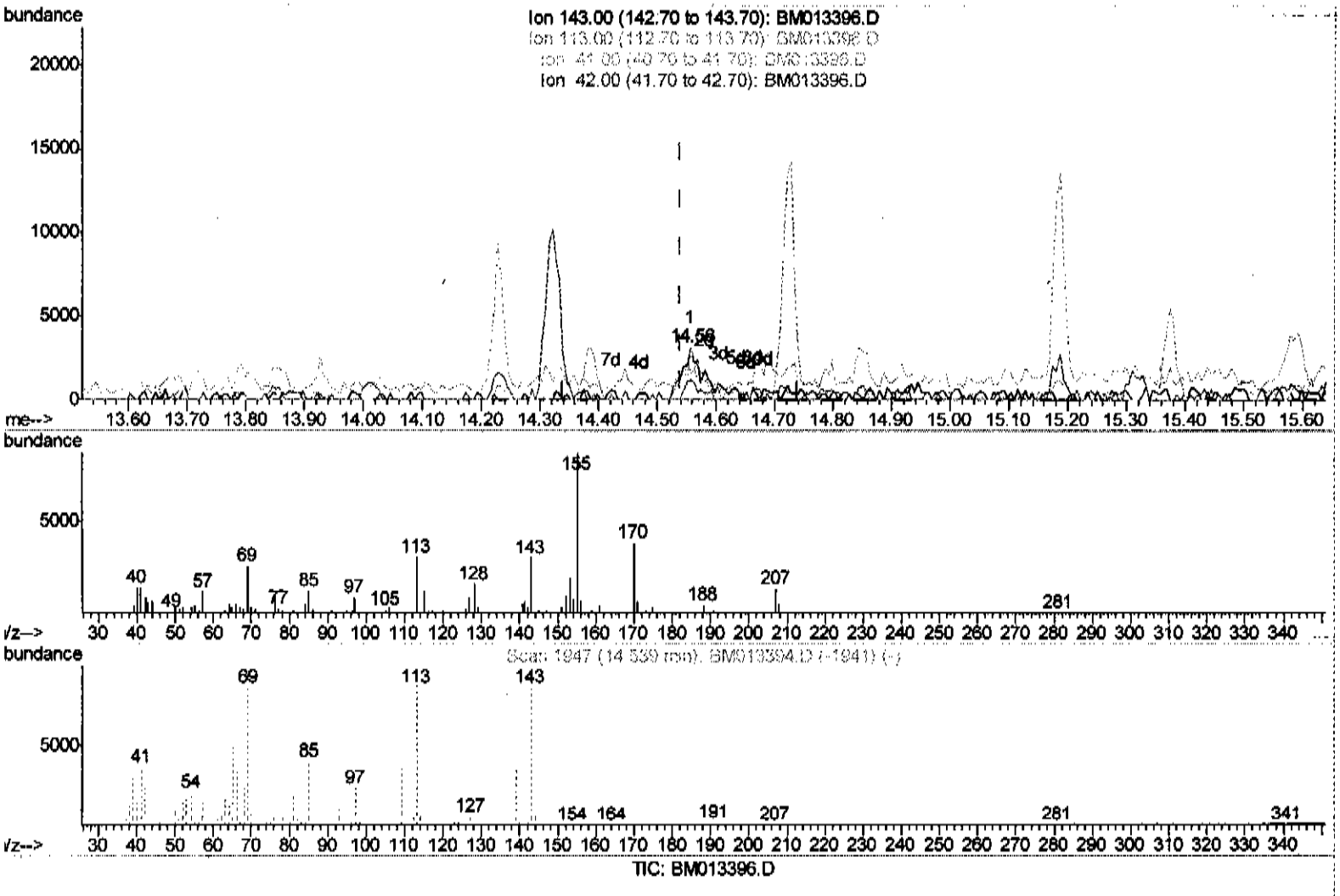
Ion	Exp%	Act%
143.00	100	100
113.00	114.60	100.25
41.00	34.80	50.84#
42.00	20.50	36.68#

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 14 06:04:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations APPROVED
Sohil
12/15/2017 7:34:44 PM



TIC: BM013396.D

(51) 4-Nitrophenol-d4 (S)

14.557min (+0.018) 1.48ng/ul m JU 12/18/17

response 8638

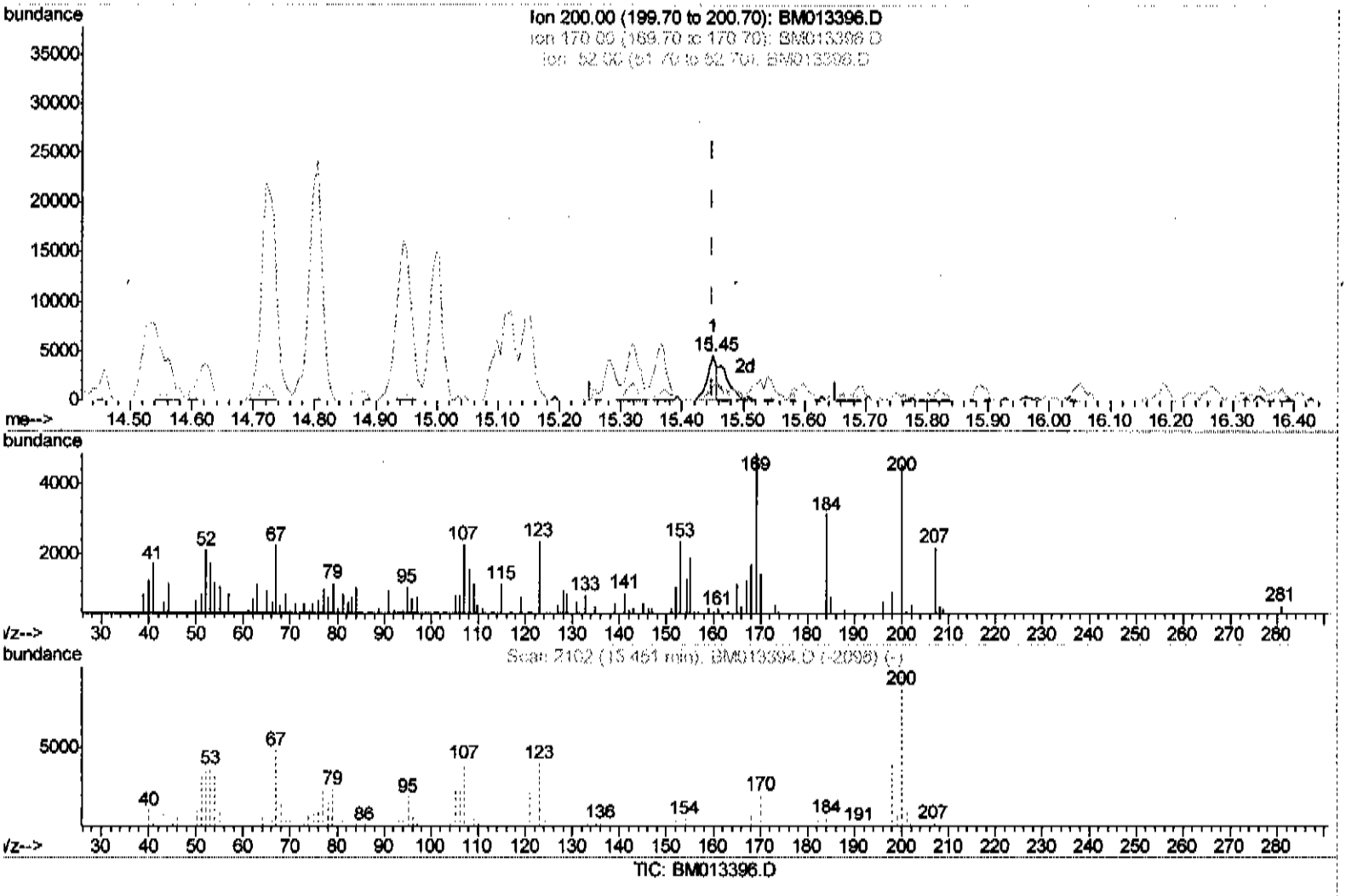
Ion	Exp%	Act%
143.00	100	100
113.00	114.60	100.25
41.00	34.80	50.84#
42.00	20.50	36.68#

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 14 06:21:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations APPROVED
Sohil
12/15/2017 7:34:44 PM



TIC: BM013396.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.451min (+0.000) 0.86ng/ul

response 5126

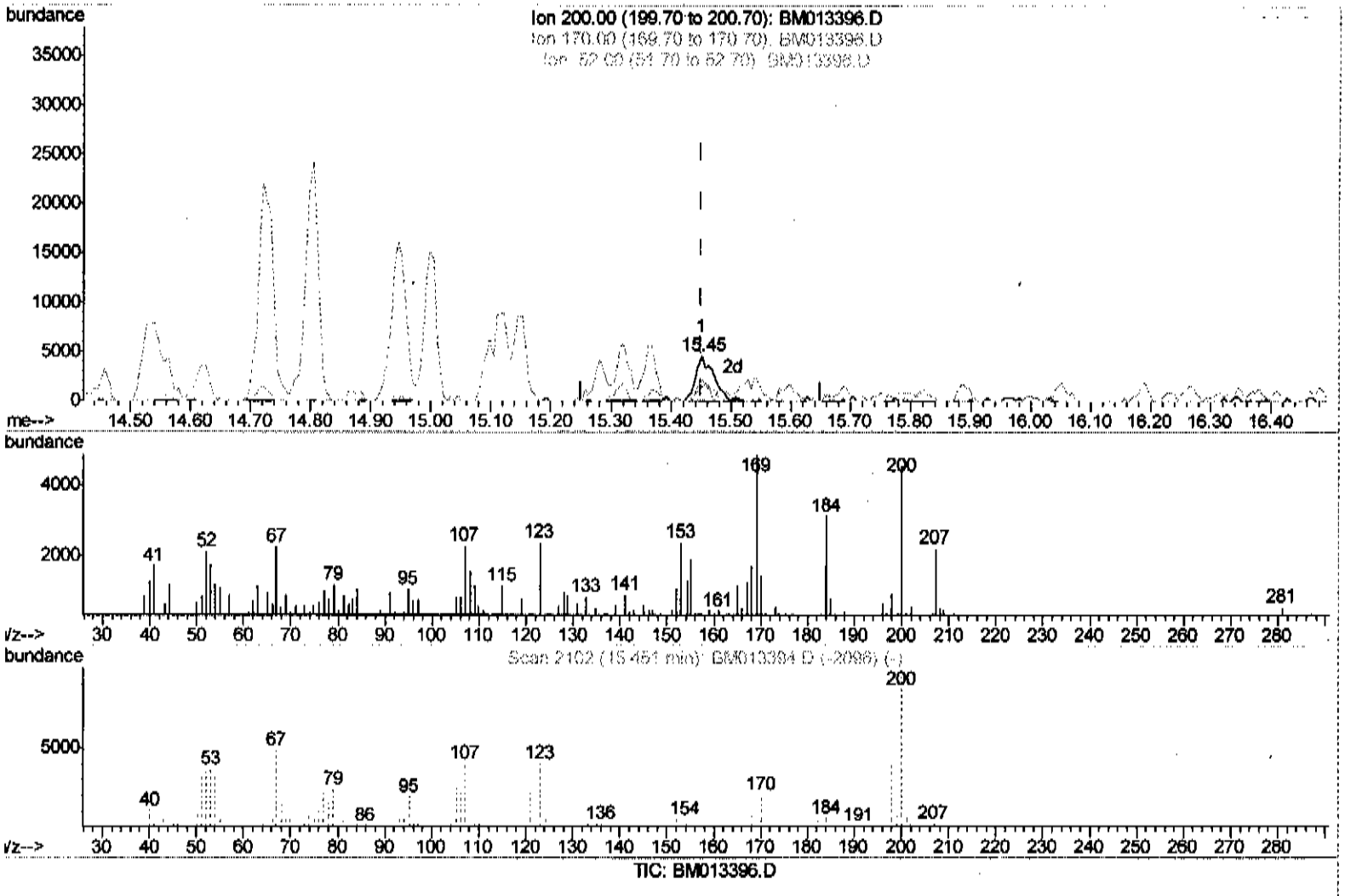
Ion	Exp%	Act%
200.00	100	100
170.00	23.50	31.54#
52.00	49.50	46.10
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Dec 14 06:21:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations APPROVED
Sohil
12/15/2017 7:34:44 PM



TIC: BM013396.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.451min (+0.000) 1.55ng/ul m JU 12/18/17

response 9179

Ion	Exp%	Act%
200.00	100	100
170.00	23.50	31.54#
52.00	49.50	46.10
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121317\
Data File : BM013396.D
Acq On : 14 Dec 2017 04:29
Operator : SJ/JU
Sample : I6759-11ME 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A19ME

Manual Integrations APPROVED
Sohil
12/15/2017 7:34:44 PM

Quant Time: Dec 14 06:23:02 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 14 06:00:20 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	140262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	606771	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	378121	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	942979	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1163378	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1093394	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	665	0.23	ng/uL	0.00
5) Phenol-d5	6.86	99	20036	1.65	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	14332	2.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	18407	1.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	18190	1.75	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	10188	2.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	9898	1.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	17895	1.69	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	22657m	2.32	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	78369	2.33	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	91140	2.19	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	8638m	1.48	ng/ul	0.02
57) Fluorene-d10	15.32	176	66427	2.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	9179m	1.55	ng/ul	0.00
70) Anthracene-d10	17.17	188	114967	2.43	ng/ul	0.00
76) Pyrene-d10	19.47	212	135371	2.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	125617	2.26	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.51	128	581827	18.638	ng/ul	99
34) 2-Methylnaphthalene	12.13	142	210625	8.975	ng/ul	94
40) 1,1'-Biphenyl	13.15	154	34116	1.068	ng/ul	97
49) Acenaphthene	14.39	153	406067	15.513	ng/ul	98
53) Dibenzofuran	14.72	168	376812	9.751	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	14.96	232	13477	1.627	ng/ul#	88
58) Fluorene	15.37	166	322243	10.080	ng/ul	98
63) 4,6-Dinitro-2-methylphenol	15.47	198	9823	1.657	ng/ul#	85
68) Pentachlorophenol	16.73	266	773451	109.394	ng/ul	97
69) Phenanthrene	17.12	178	2393598	44.680	ng/ul	100
71) Anthracene	17.20	178	1248271	22.795	ng/ul	98
72) Carbazole	17.48	167	206860	4.392	ng/ul	96
74) Fluoranthene	19.14	202	3705391	56.440	ng/ul#	94
77) Pyrene	19.50	202	2557197	36.181	ng/ul#	92
80) Benzo(a)anthracene	21.25	228	525289	7.116	ng/ul	97
82) Chrysene	21.30	228	563143	8.223	ng/ul	97
85) Benzo(b)fluoranthene	22.82	252	359654	4.879	ng/ul#	95
86) Benzo(k)fluoranthene	22.86	252	118890	1.714	ng/ul#	92
88) Benzo(a)pyrene	23.39	252	123947	1.872	ng/ul#	99

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