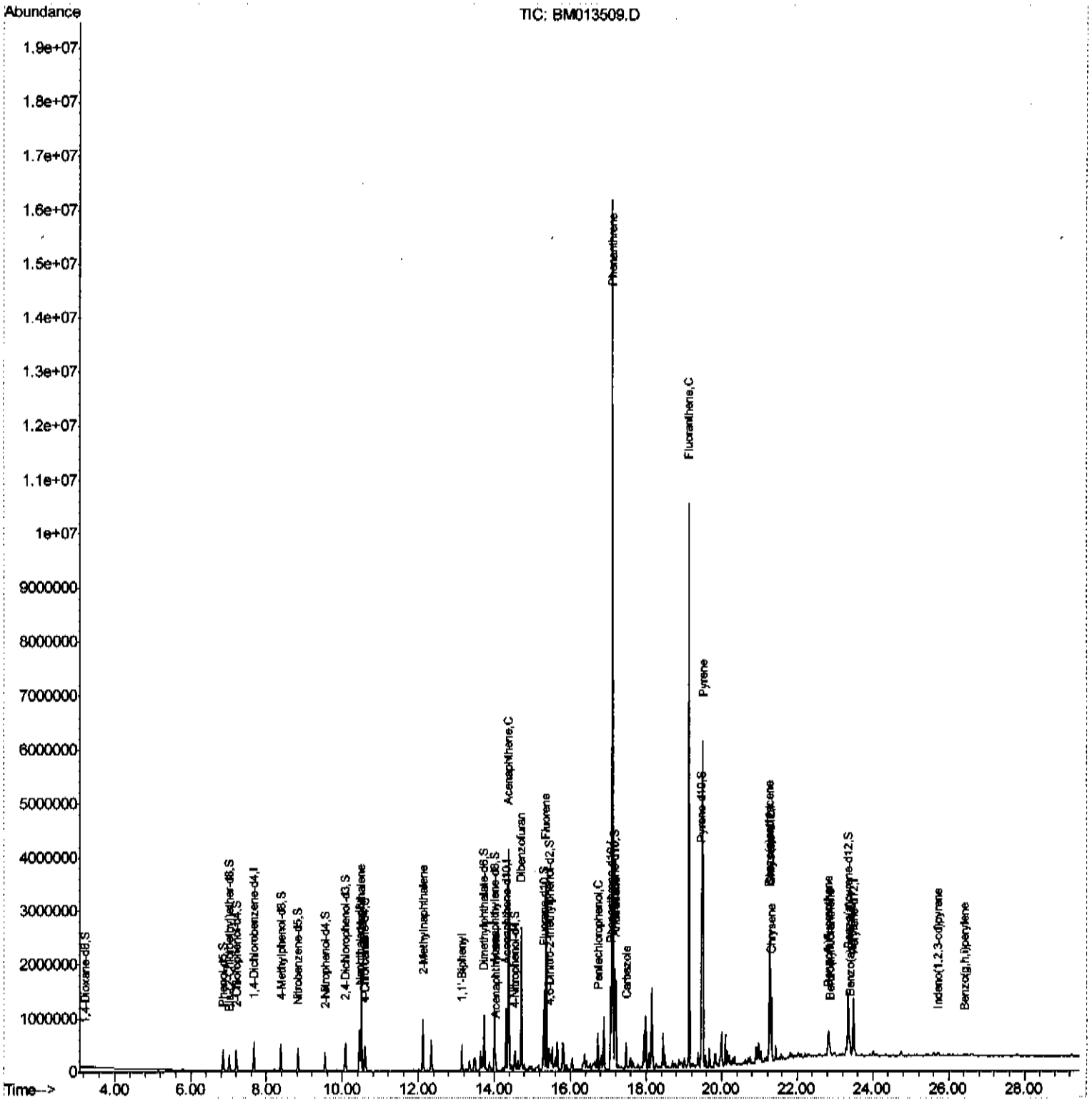
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 03:30:37 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Manual Integrations APPROVED
Sohil
12/20/2017 3:49:26 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 03:15:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Manual Integrations APPROVED
Sohil
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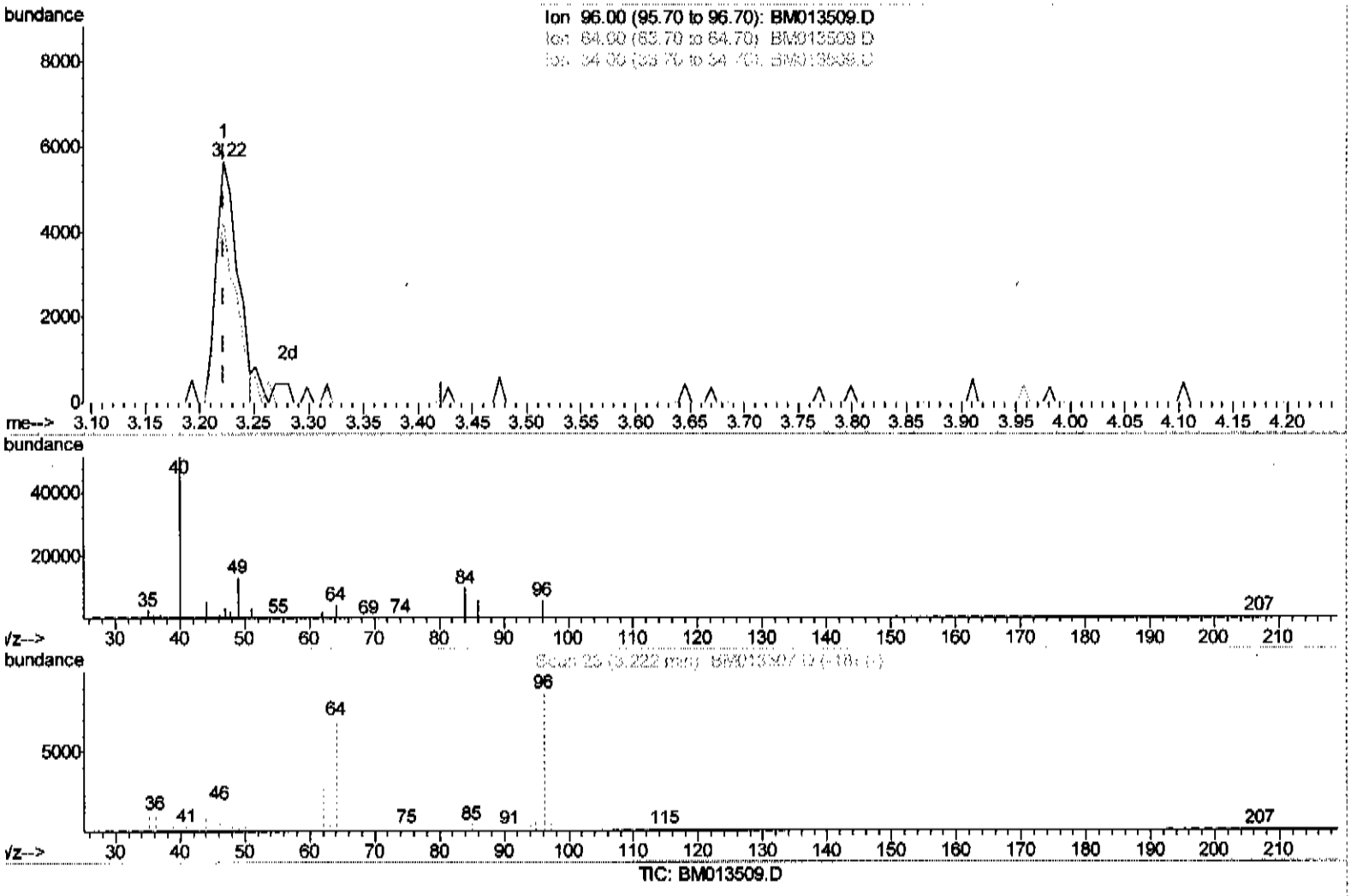


TIC: BM013509.D

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

3.222min (-0.000) 2.81ng/uL

response 7685

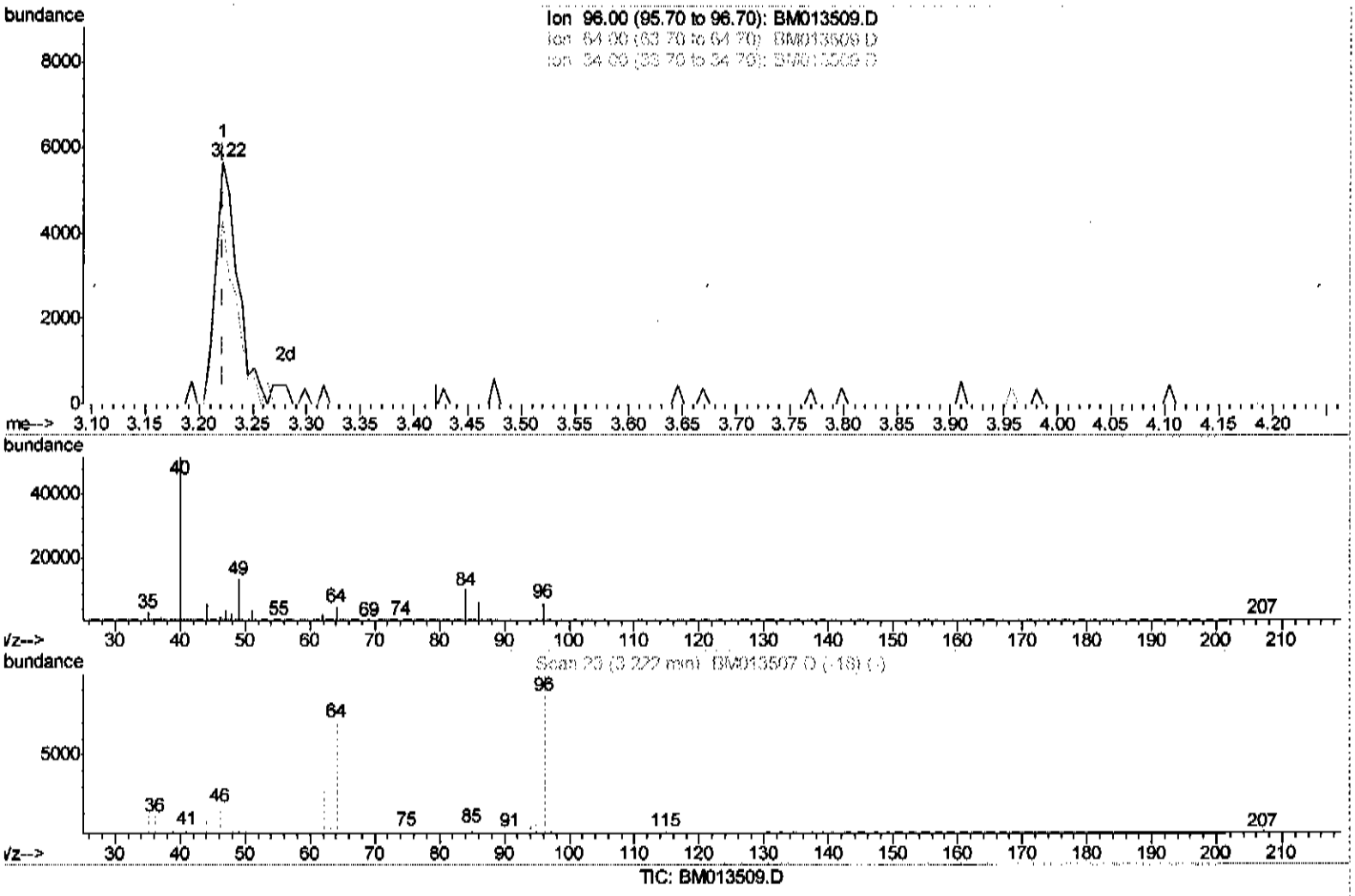
Ion	Exp%	Act%
96.00	100	100
64.00	74.90	77.35
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 03:15:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Manual Integrations APPROVED
Sohil
12/20/2017 3:49:26 PM



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

3.222min (-0.000) 2.97ng/uL m JU 12/20/2017

response 8121

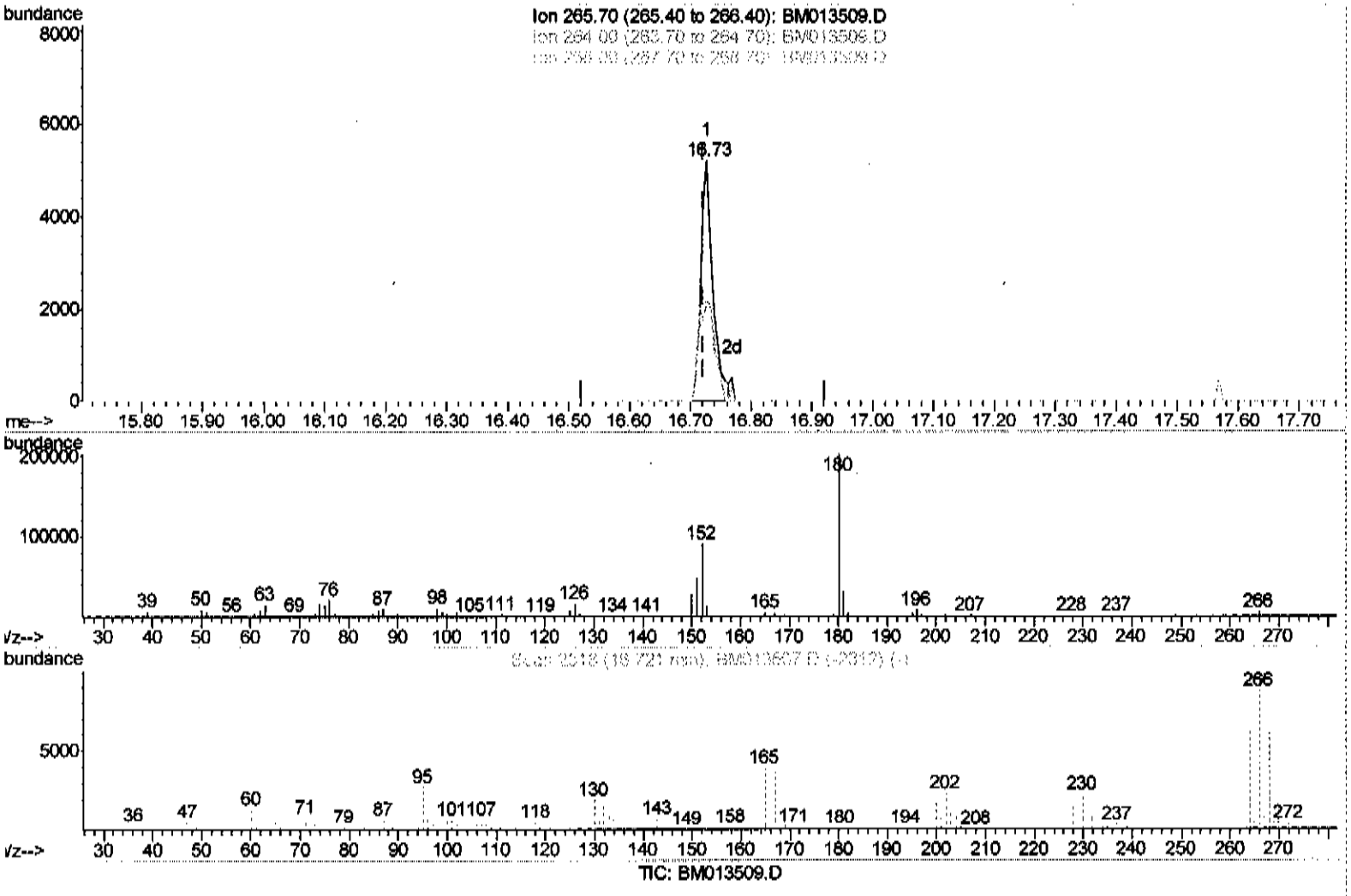
Ion	Exp%	Act%
96.00	100	100
64.00	74.90	73.19
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 03:26:26 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Manual Integrations APPROVED
Sohil
12/20/2017 3:49:26 PM



(68) Pentachlorophenol (C)

16.727min (+0.006) 1.05ng/ul

response 7069

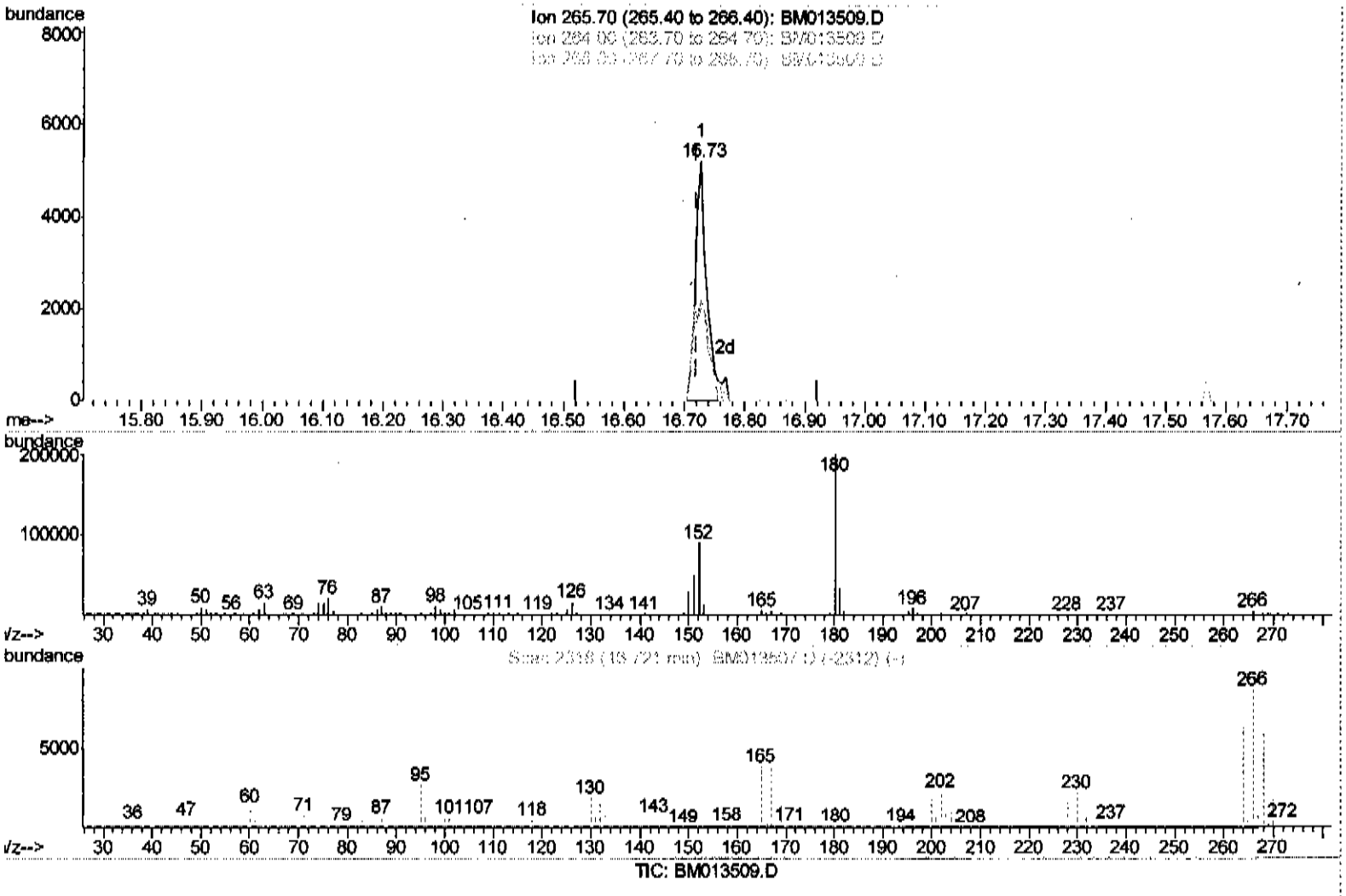
Ion	Exp%	Act%
265.70	100	100
264.00	61.60	42.36#
268.00	65.70	38.76#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 20 03:26:26 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Manual Integrations APPROVED
Sohil
12/20/2017 3:49:26 PM



TIC: BM013509.D

(68) Pentachlorophenol (C)

16.727min (+0.006) 1.08ng/ul m JU 12/20/17

response 7253

Ion	Exp%	Act%
265.70	100	100
264.00	61.60	42.36#
268.00	65.70	38.76#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121917\
Data File : BM013509.D
Acq On : 19 Dec 2017 11:59
Operator : SJ/JU
Sample : I6776-06ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A58ME

Manual Integrations APPROVED
Sohil
12/20/2017 3:49:26 PM

Quant Time: Dec 20 03:30:37 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 20 03:10:37 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	135369	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	591493	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	374162	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	898829	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	921403	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	776937	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	8121m	2.97	ng/uL	0.00
5) Phenol-d5	6.85	99	210498	17.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.01	67	129643	19.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	161836	17.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	182679	18.26	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	94489	20.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	99854	19.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	185701	17.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	227156	23.89	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	637303	19.14	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	799502	19.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	72754	12.58	ng/ul	0.00
57) Fluorene-d10	15.31	176	576157	20.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	66058	11.68	ng/ul	0.00
70) Anthracene-d10	17.17	188	933708	20.74	ng/ul	0.00
76) Pyrene-d10	19.46	212	1037340	22.60	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	778723	19.68	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.50	128	1346980	44.262	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	434008	18.972	ng/ul	93
40) 1,1'-Biphenyl	13.14	154	214377	6.779	ng/ul	98
47) Acenaphthylene	14.04	152	53427	1.405	ng/ul#	94
49) Acenaphthene	14.38	153	1564932	60.417	ng/ul	99
53) Dibenzofuran	14.72	168	1524284	39.863	ng/ul	100
58) Fluorene	15.37	166	1462896	46.245	ng/ul	99
68) Pentachlorophenol	16.73	266	7253m	1.076	ng/ul	
69) Phenanthrene	17.12	178	9424411	184.560	ng/ul	100
71) Anthracene	17.20	178	995707	19.076	ng/ul	99
72) Carbazole	17.47	167	278023	6.193	ng/ul	97
74) Fluoranthene	19.13	202	6186237	98.857	ng/ul#	93
77) Pyrene	19.50	202	3966799	70.864	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	776145	13.276	ng/ul	99
82) Chrysene	21.29	228	664911	12.259	ng/ul	98
85) Benzo(b)fluoranthene	22.81	252	373699	7.135	ng/ul#	96
86) Benzo(k)fluoranthene	22.86	252	113875	2.310	ng/ul#	98
88) Benzo(a)pyrene	23.38	252	177886	3.781	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	54175	1.161	ng/ul#	92
91) Benzo(g,h,i)perylene	26.39	276	42991	1.168	ng/ul#	95

JU 2017/2/17

JU 12/20/17

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