

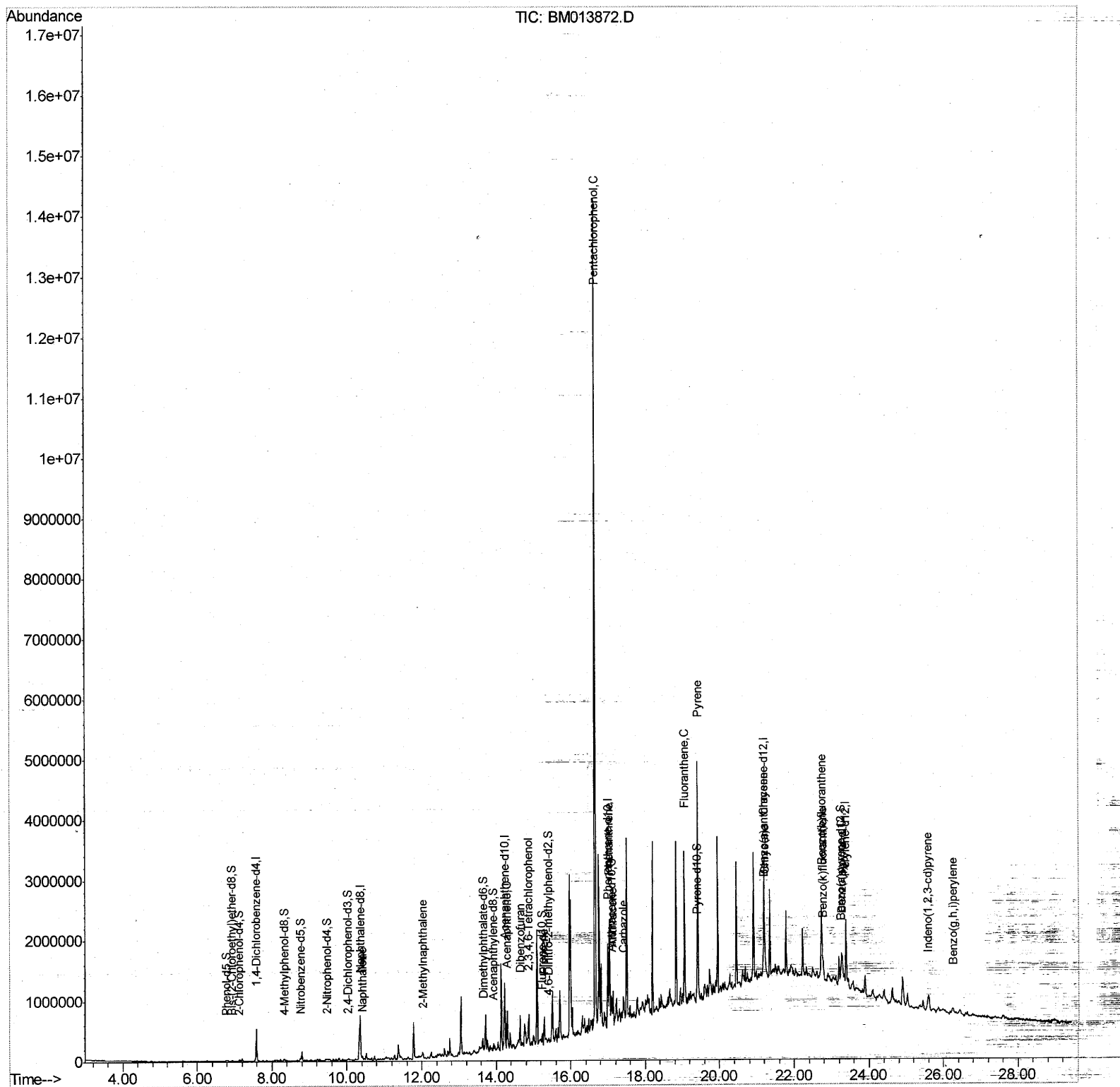
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013872.D
Acq On : 27 Jan 2018 07:57
Operator : SJ/JU
Sample : J1222-13DL 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
F6A95DL

Manual Integrations
APPROVED

Sohil
1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:18:34 2018
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 27 04:13:53 2018
Response via : Initial Calibration



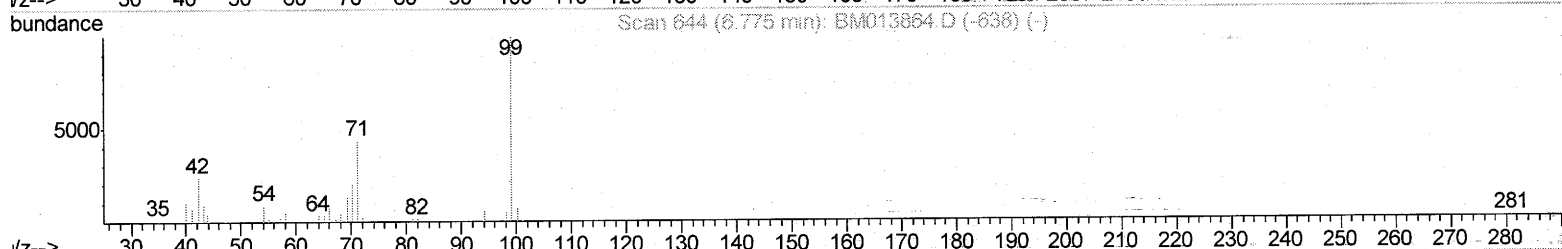
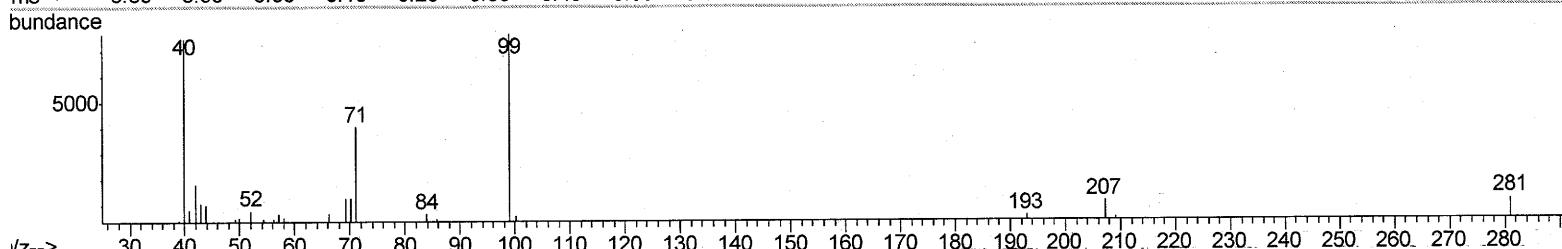
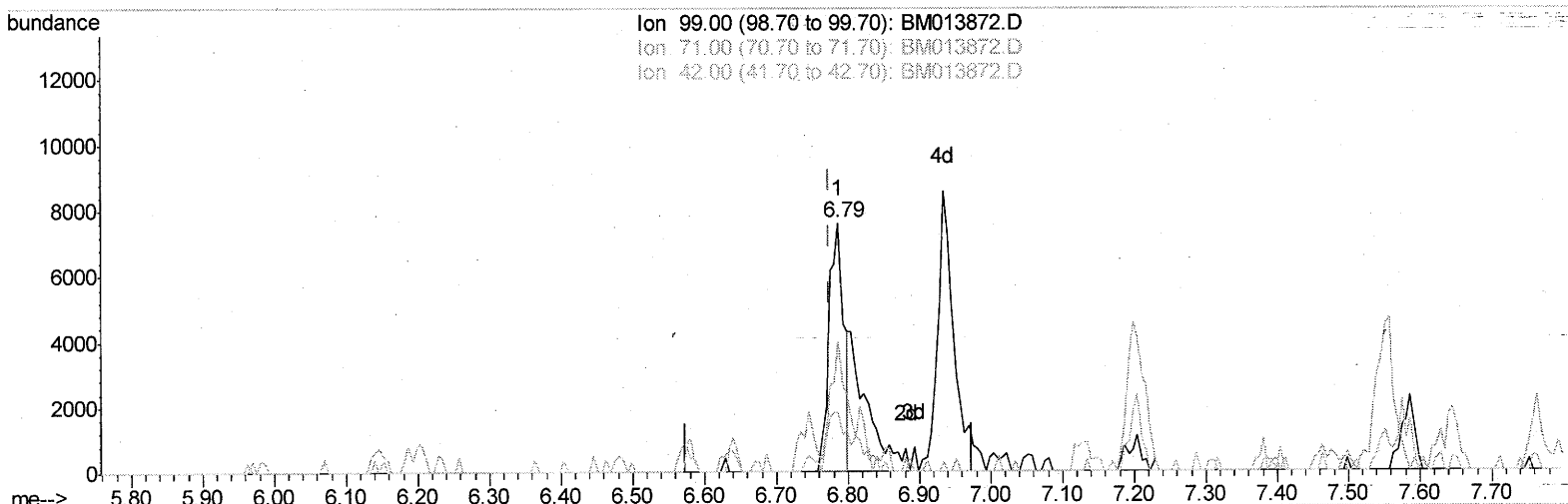
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 20:54:11 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



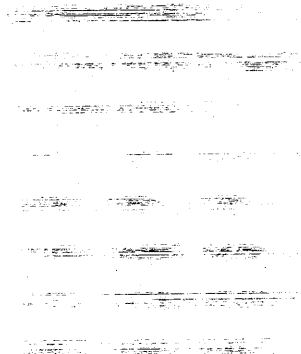
TIC: BM013872.D

(5) Phenol-d5 (S)

6.787min (+0.012) 1.11ng/ul

response 11242

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	52.76
42.00	24.20	23.51
0.00	0.00	0.00



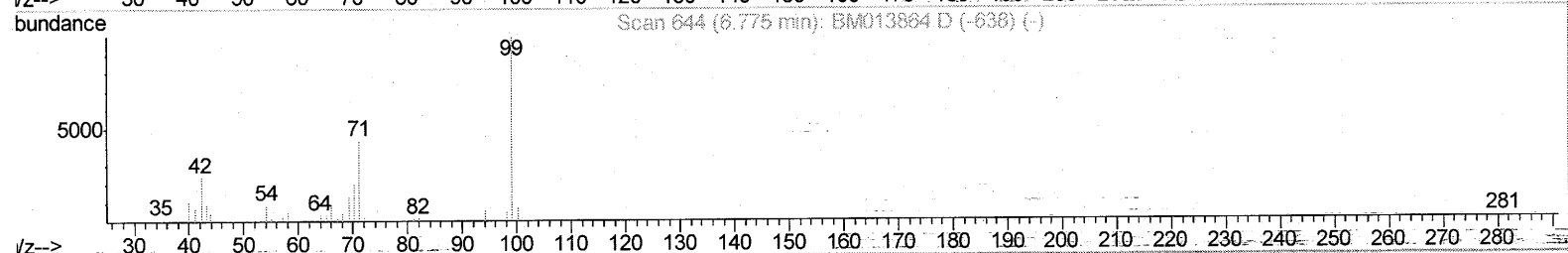
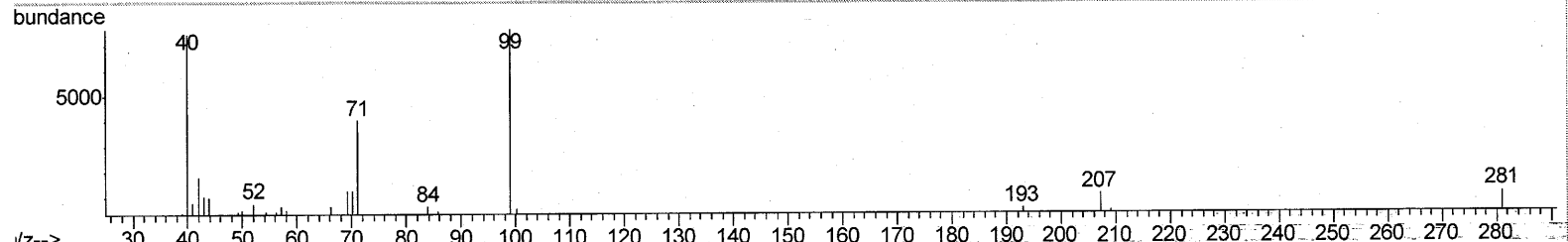
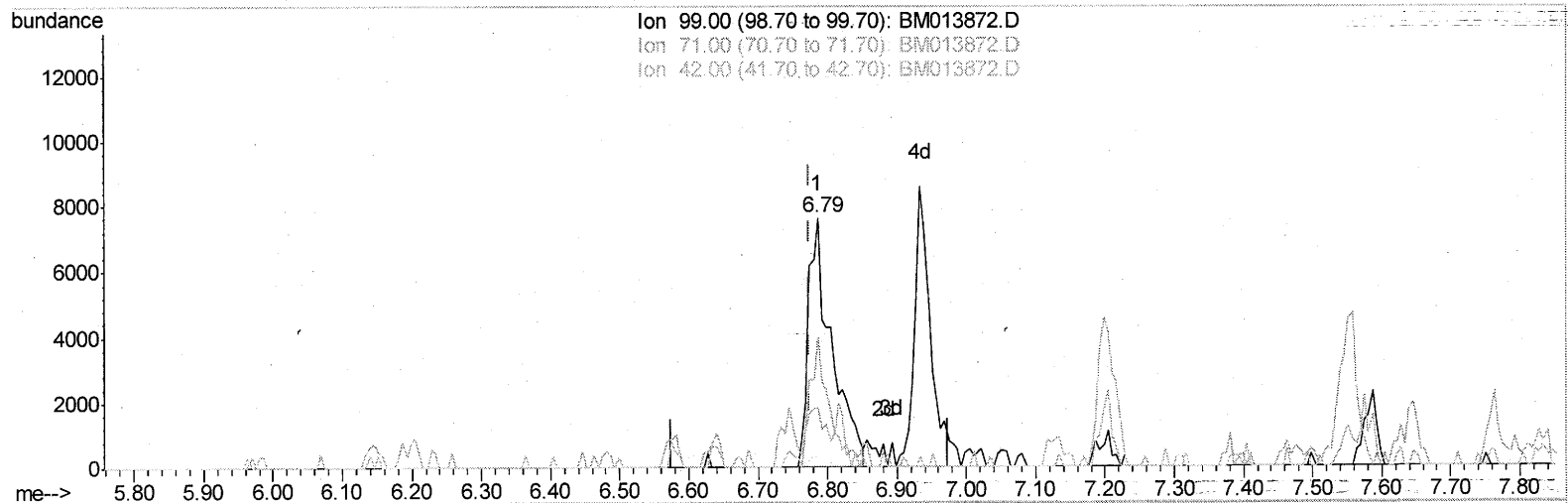
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 20:54:11 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



TIC: BM013872.D

(5) Phenol-d5 (S)

6.787min (+0.012) 1.74ng/ul m

response 17661

Ion	Exp%	Act%
99.00	100	100
71.00	55.00	52.76
42.00	24.20	23.51
0.00	0.00	0.00

Handwritten signature: Juo 1/29/18

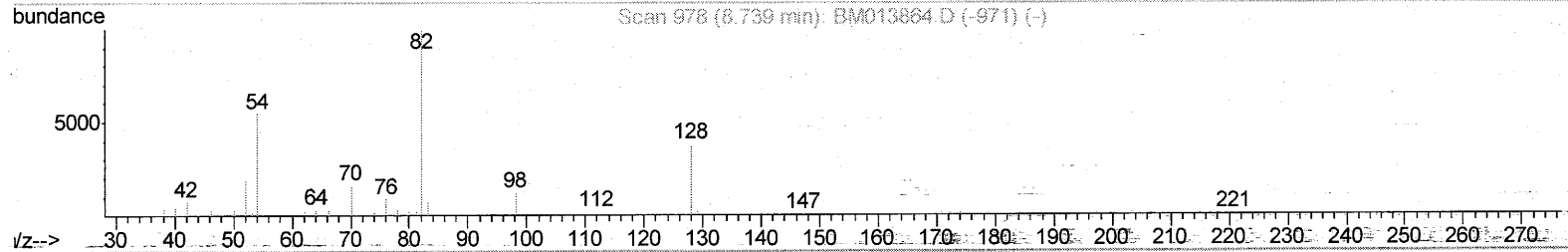
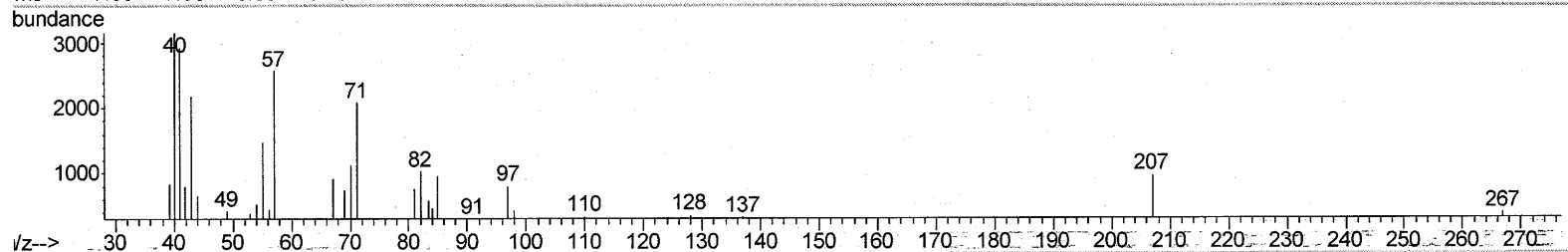
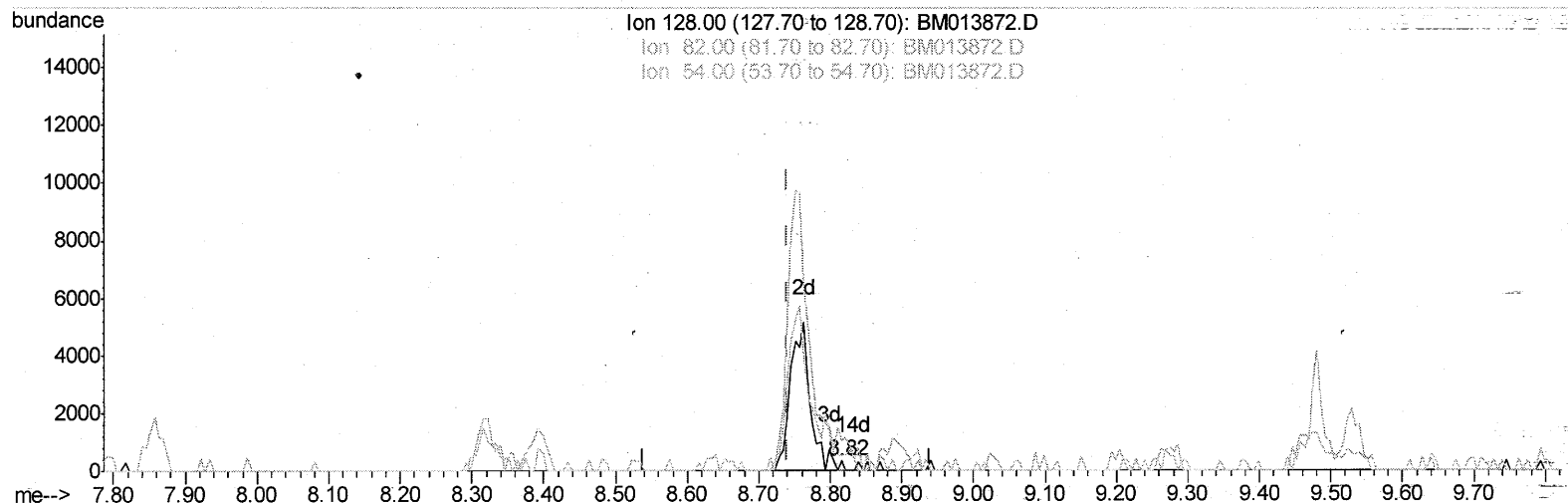
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:14:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



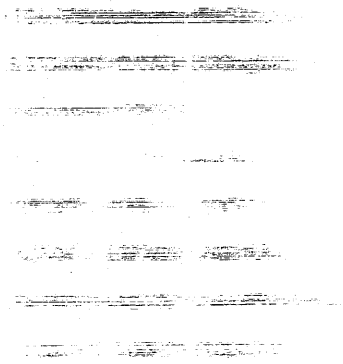
TIC: BM013872.D

(19) Nitrobenzene-d5 (S)

8.816min (+0.077) 0.03ng/ul

response 122

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	297.10
54.00	142.70	149.86
0.00	0.00	0.00



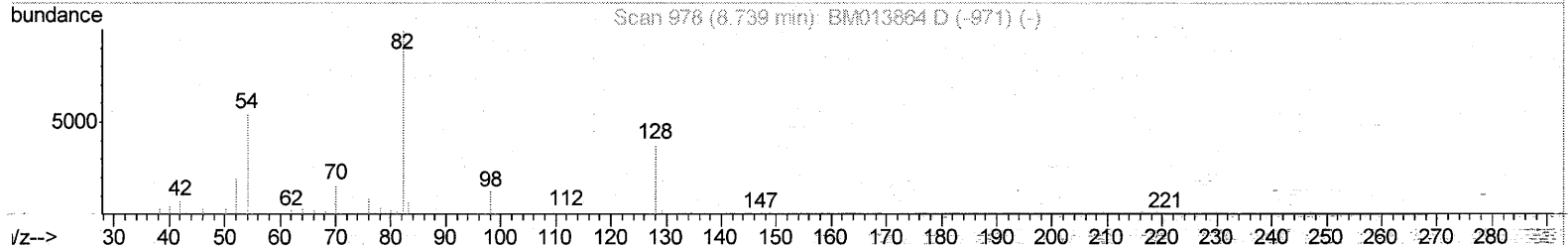
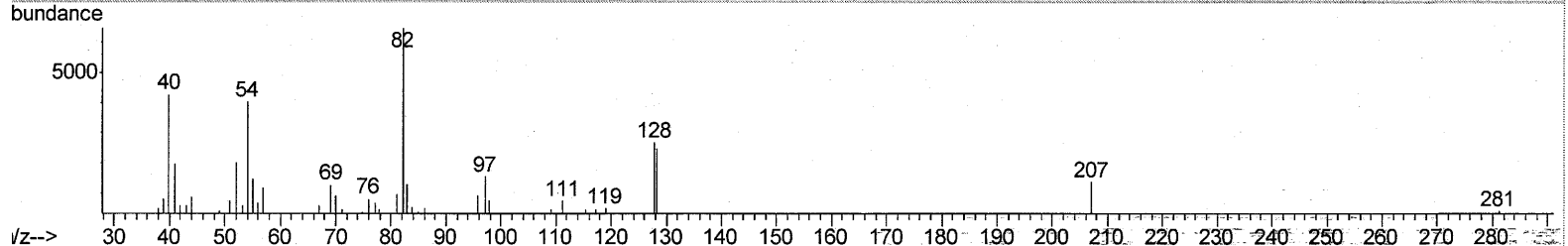
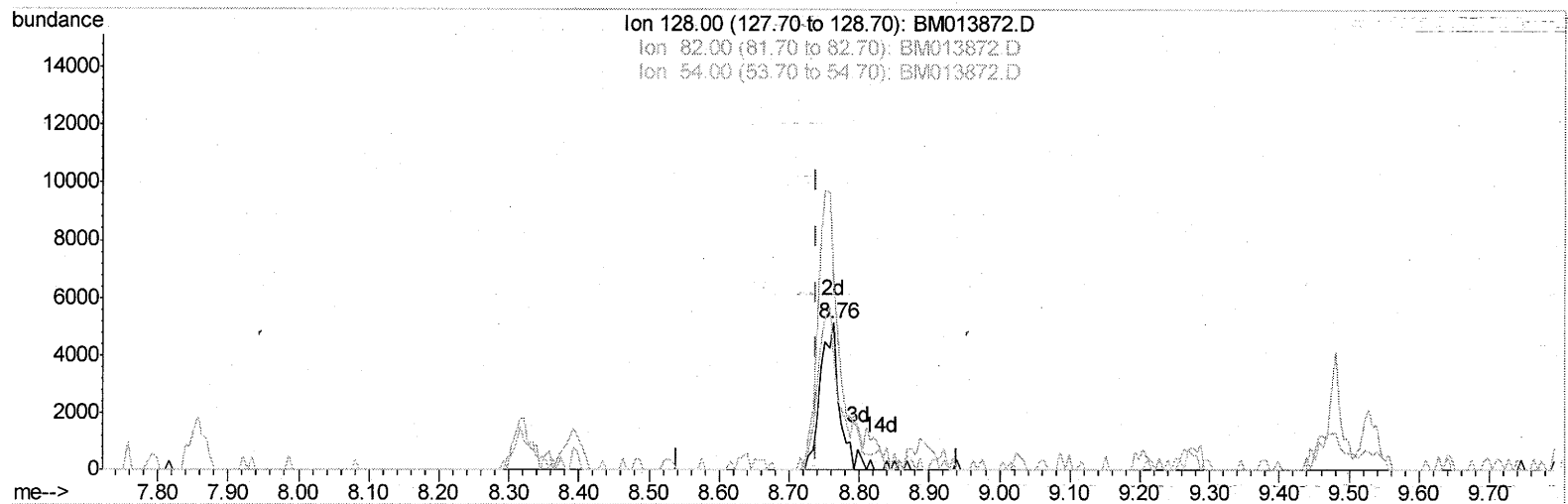
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:14:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



TIC: BM013872.D

(19) Nitrobenzene-d5 (S)

8.763min (+0.024) 2.35ng/ul *meo* 1/29/18

response 9386

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	243.27
54.00	142.70	150.56
0.00	0.00	0.00

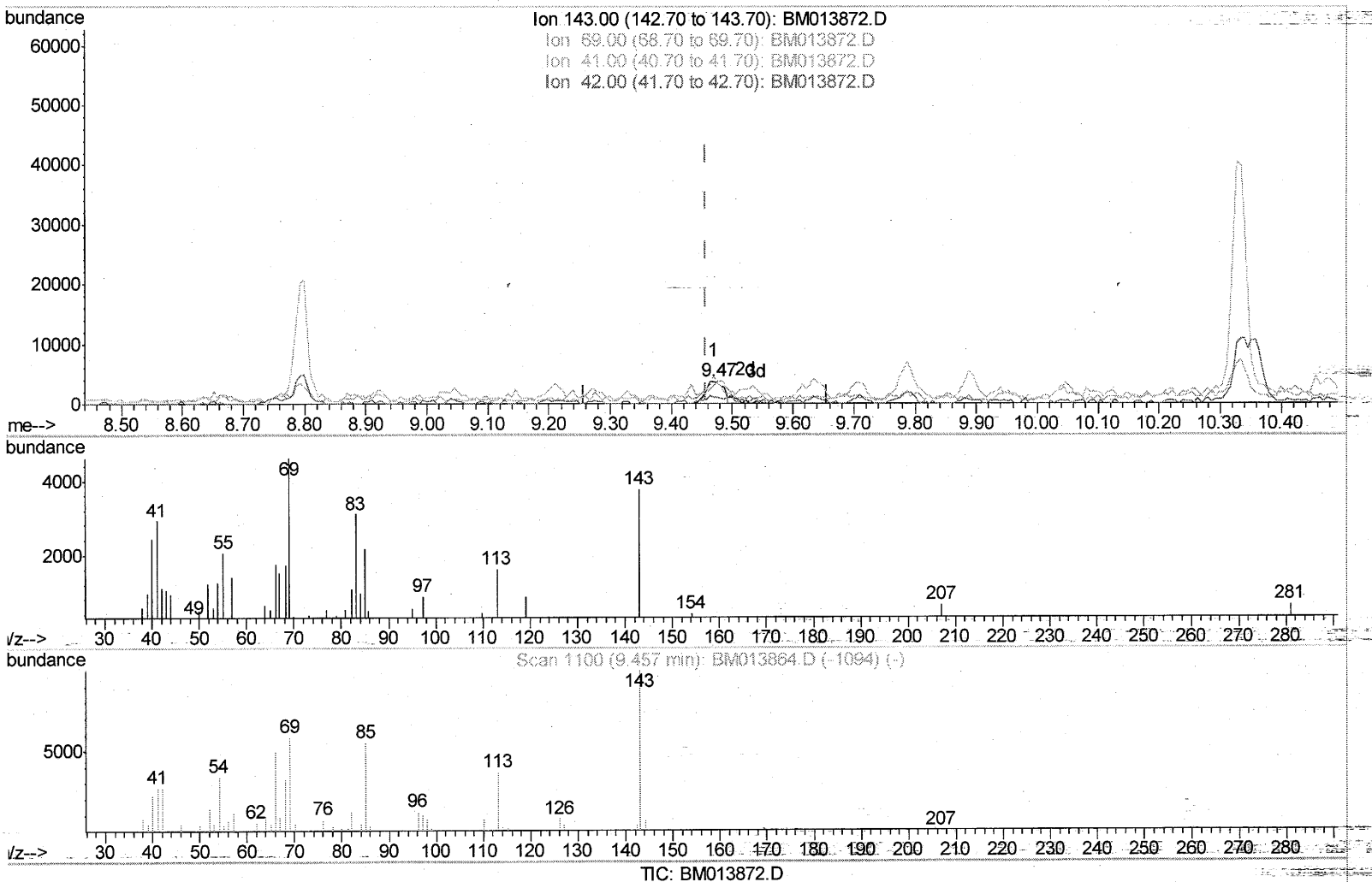
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:14:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



(22) 2-Nitrophenol-d4 (S)

9.469min (+0.012) 1.82ng/ul

response 7685

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	122.35#
41.00	23.80	77.62#
42.00	24.30	29.68#

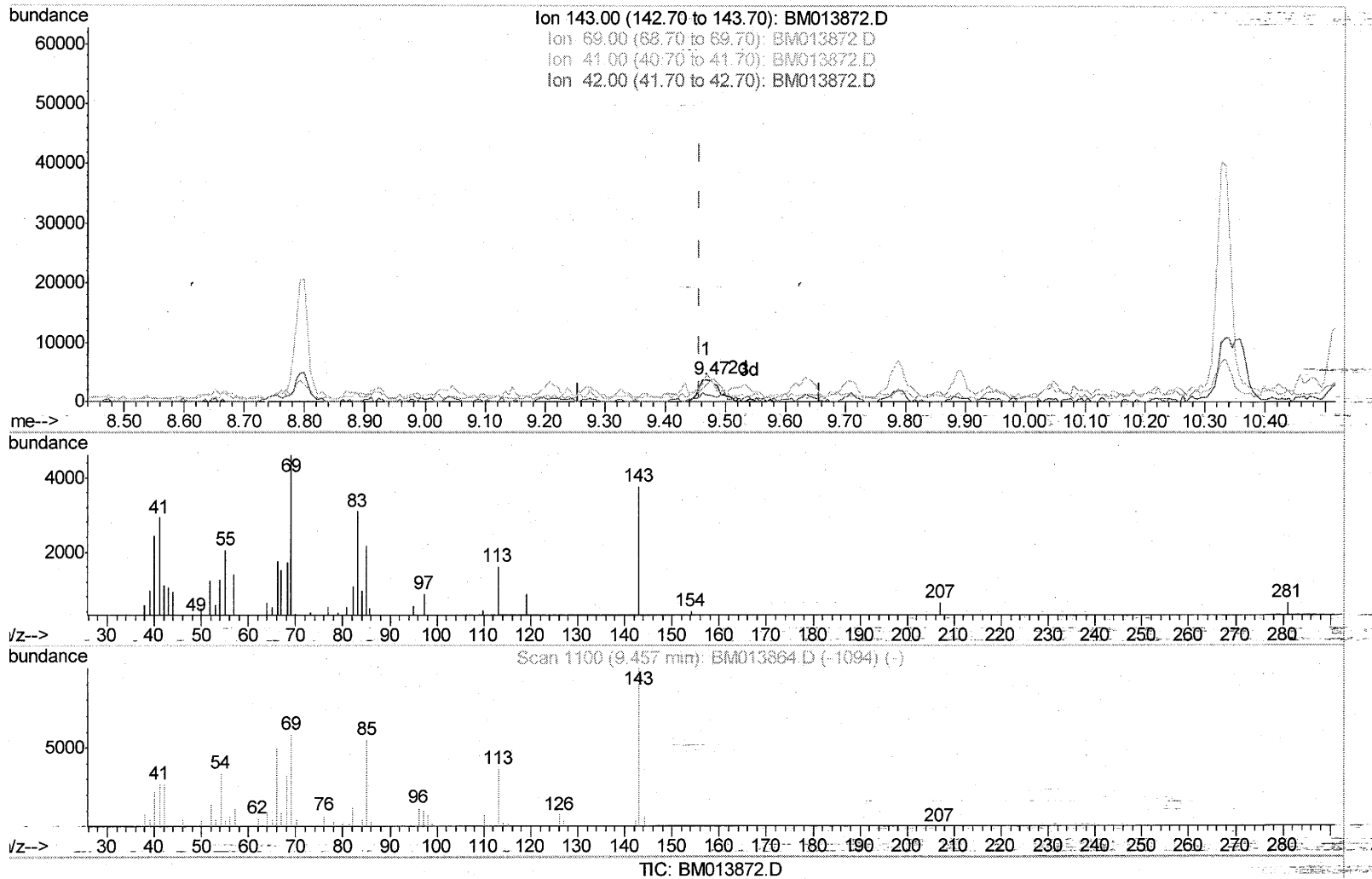
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:14:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



(22) 2-Nitrophenol-d4 (S)

9.469min (+0.012) 2.05ng/ul m

response 8660

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	122.35#
41.00	23.80	77.62#
42.00	24.30	29.68#

201/29/18

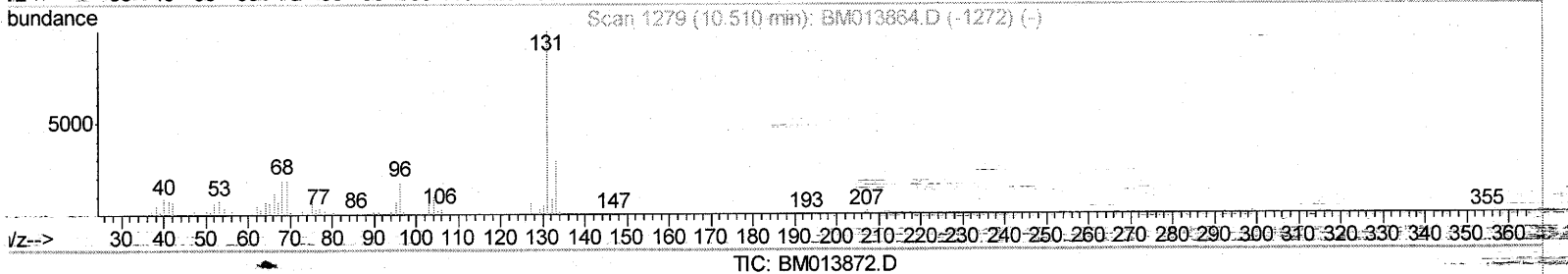
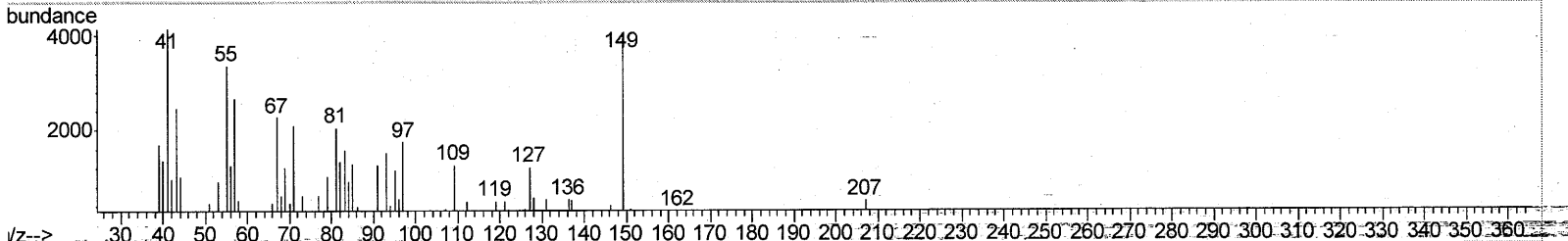
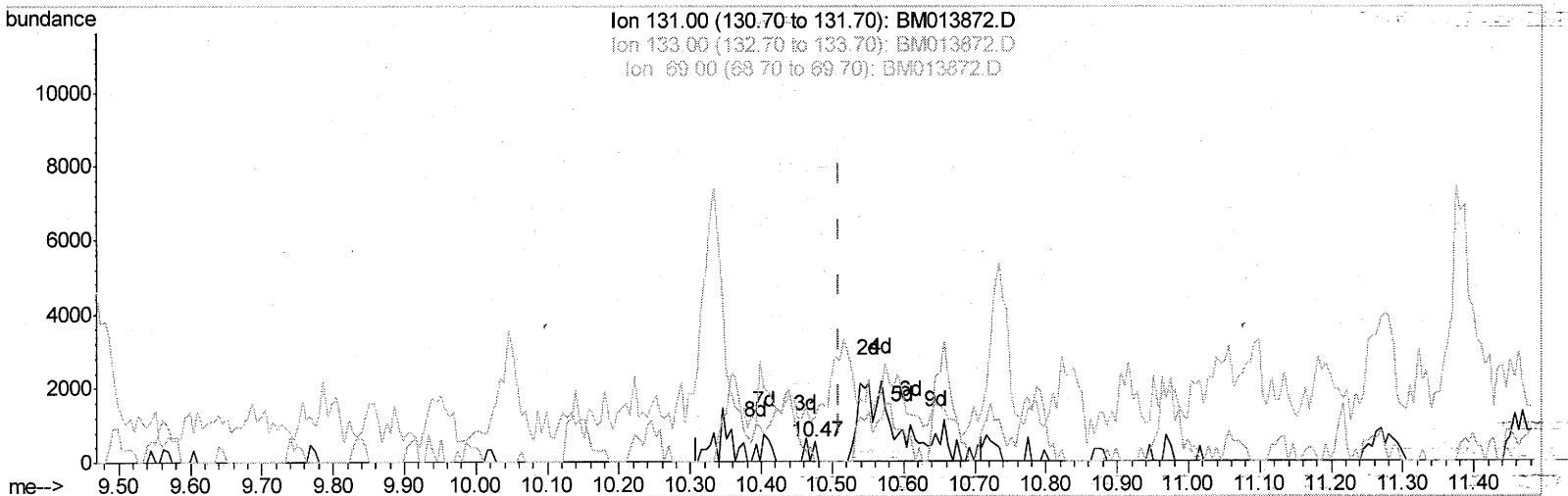
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



(29) 4-Chloroaniline-d4 (S)

10.475min (-0.035) 0.03ng/ul

response 191

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	0.00#
69.00	24.30	222.14#
0.00	0.00	0.00

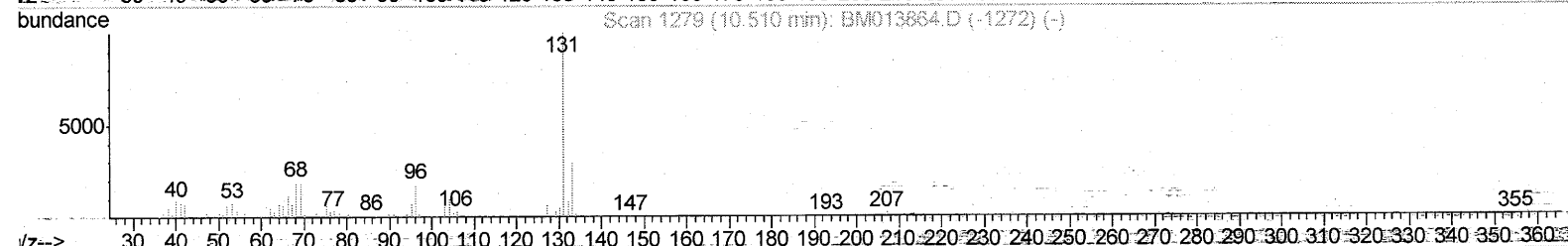
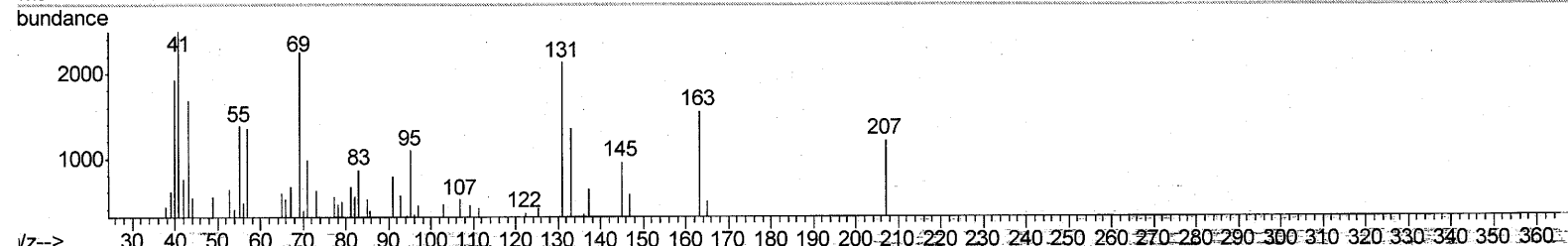
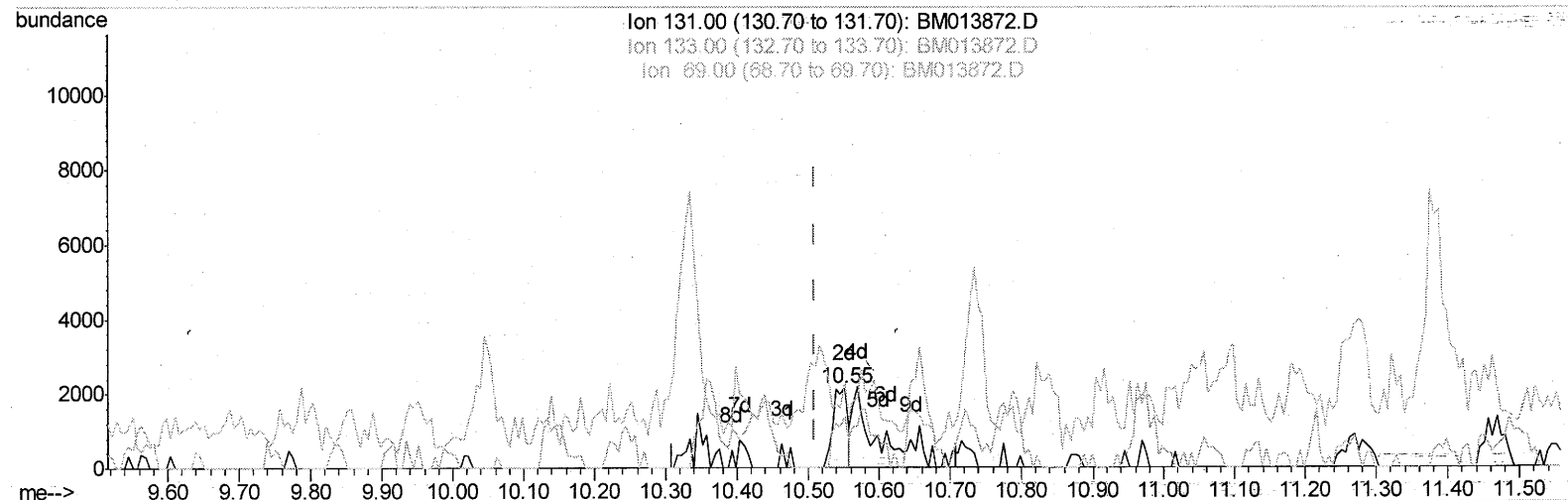
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



TIC: BM013872.D

(29) 4-Chloroaniline-d4 (S)

10.551min (+0.041) 0.43ng/ul m

response 3078

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	63.34#
69.00	24.30	105.91#
0.00	0.00	0.00

Sohil 2/1/18

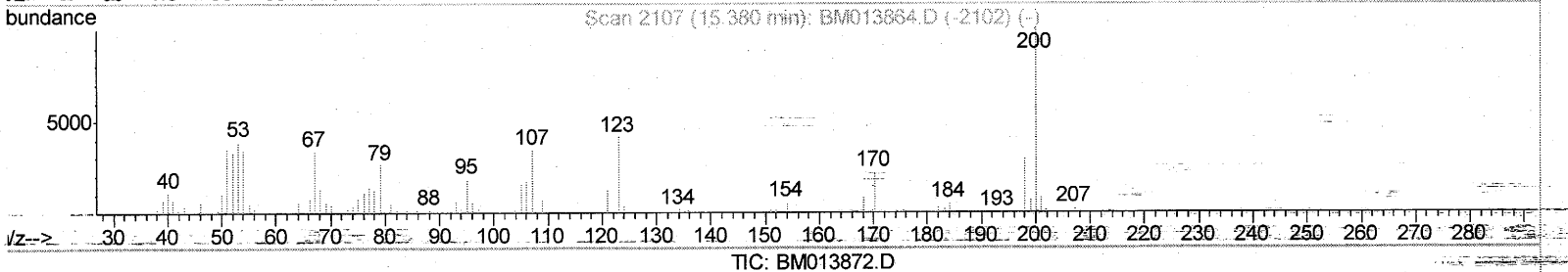
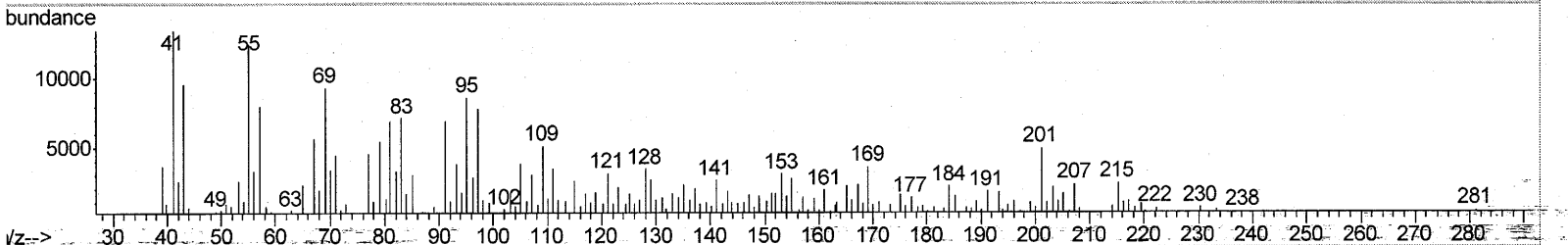
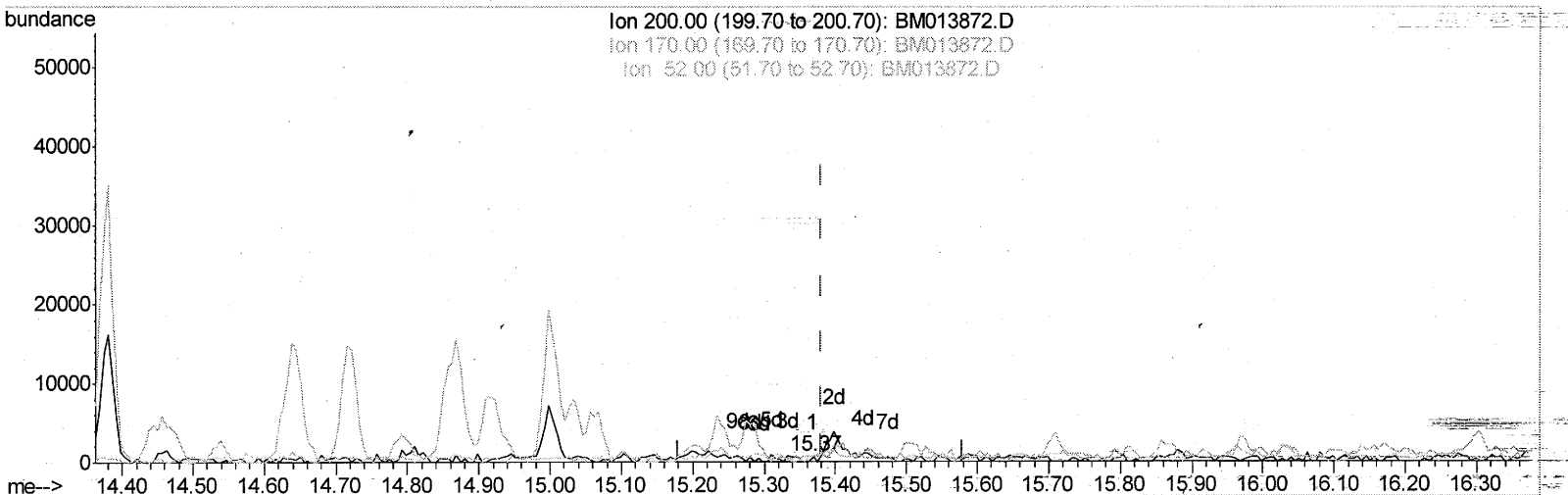
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



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

15.369min (-0.012) 0.06ng/ul

response 234

Ion	Exp%	Act%
200.00	100	100
170.00	23.50	127.34#
52.00	49.50	113.44#
0.00	0.00	0.00

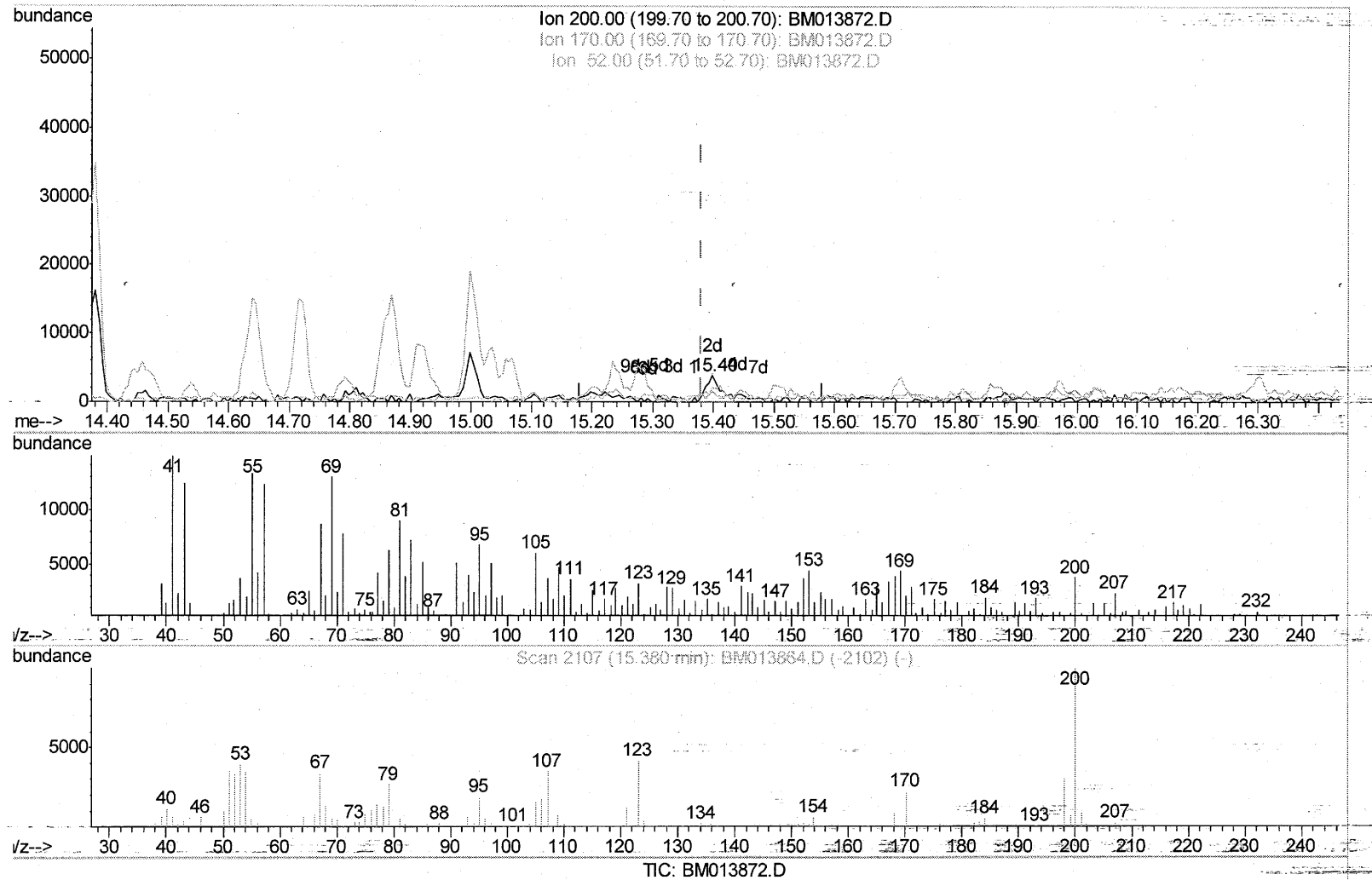
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



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

15.398min (+0.018) 1.50ng/ul m

response 6272

Ion	Exp%	Act%
200.00	100	100
170.00	23.50	56.29#
52.00	49.50	44.09
0.00	0.00	0.00

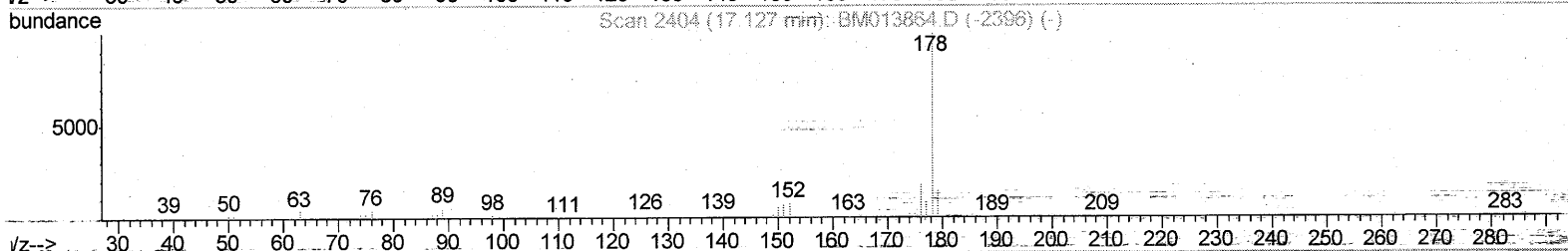
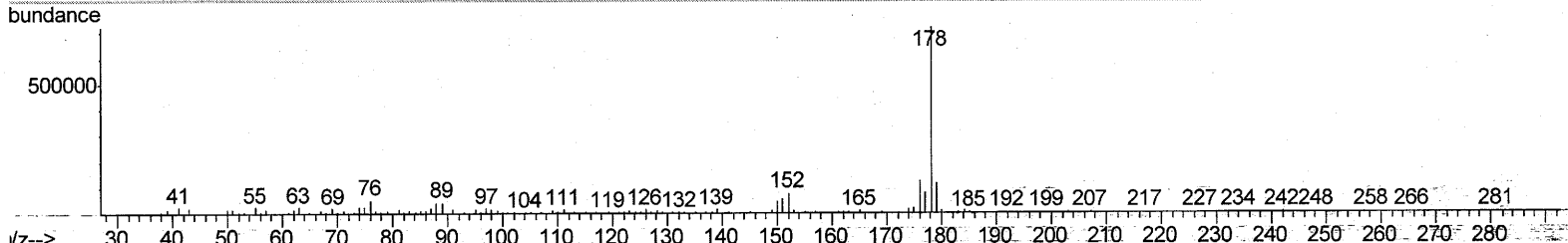
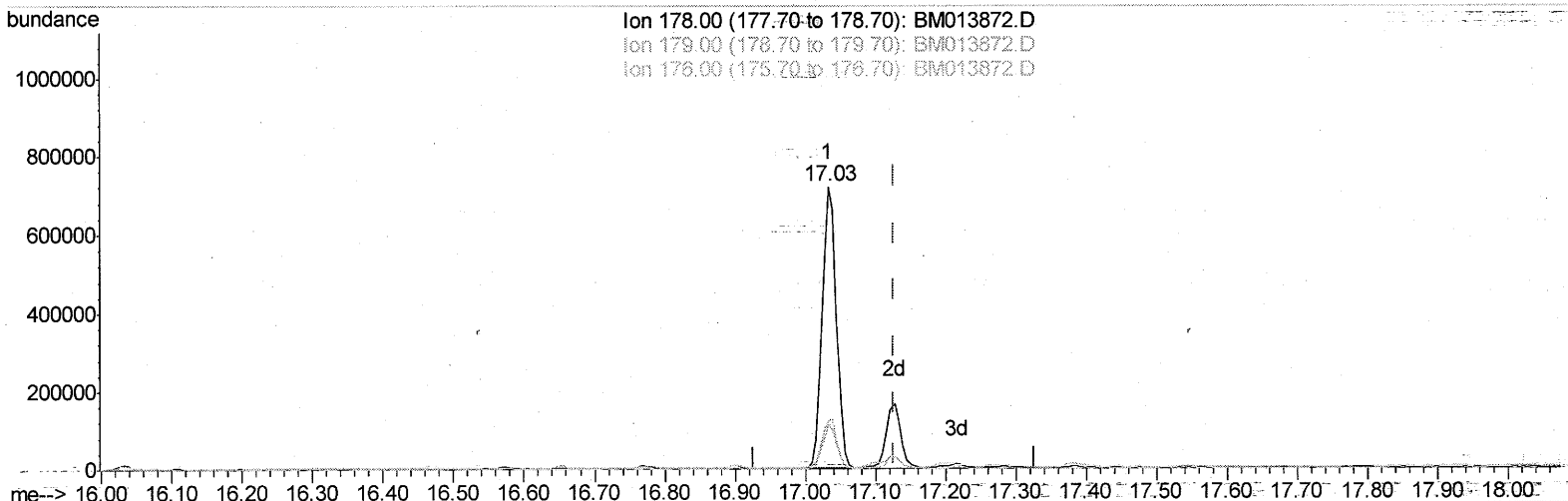
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



(71) Anthracene

17.033min (-0.094) 25.15ng/ul

response 1000330

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	15.72
176.00	18.20	17.13
0.00	0.00	0.00

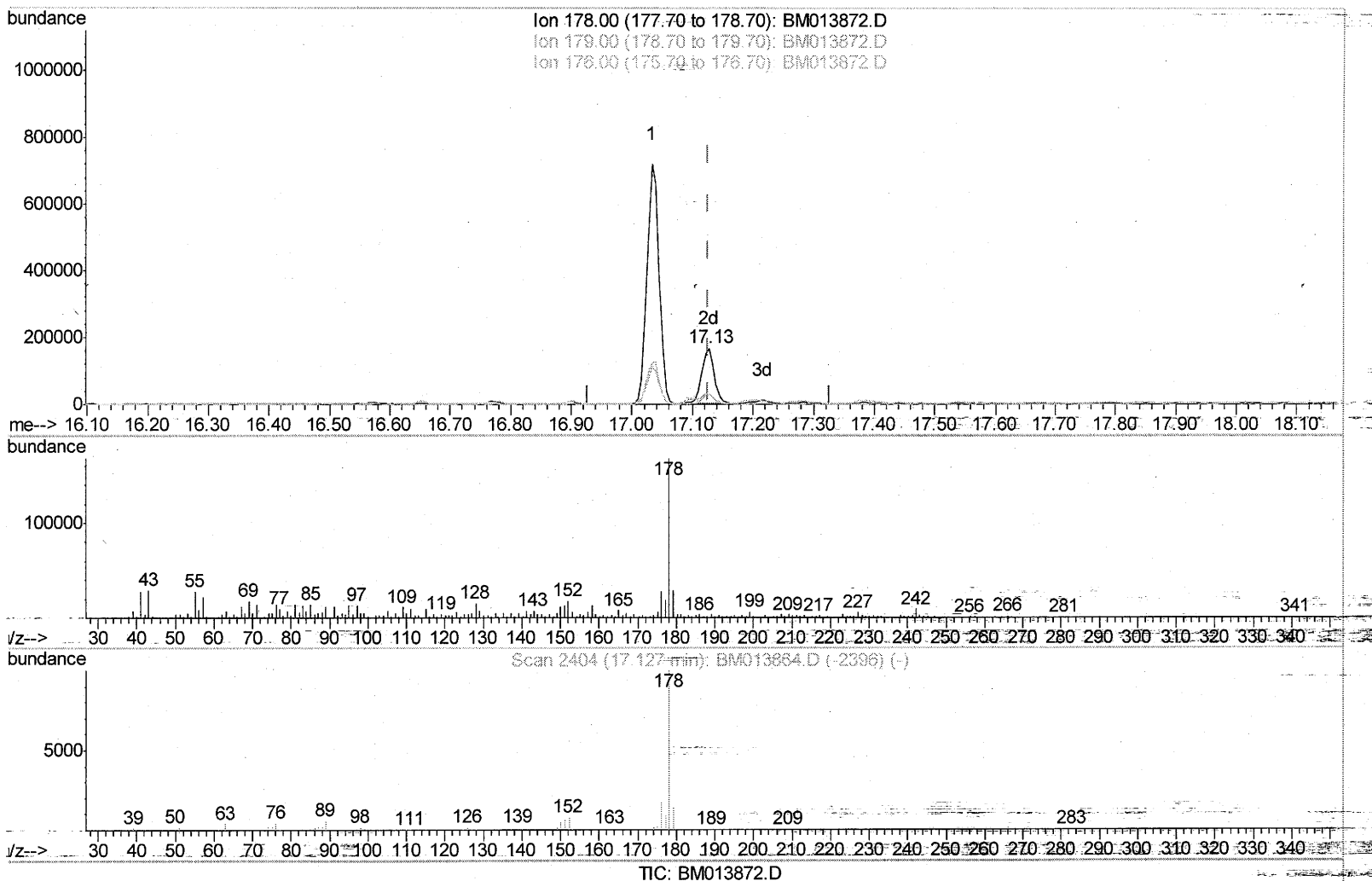
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
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 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



(71) Anthracene

17.127min (+0.000) 5.81ng/ul m

response 231085

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	17.53#
176.00	18.20	16.94
0.00	0.00	0.00

See 1/29/18

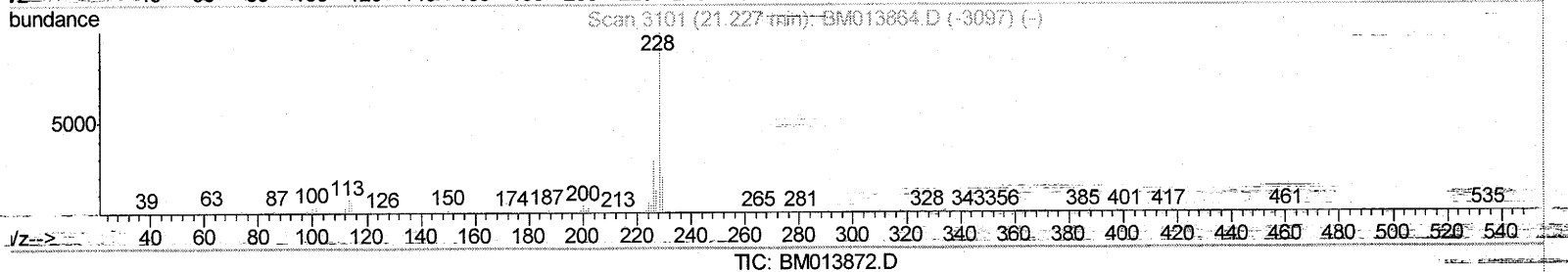
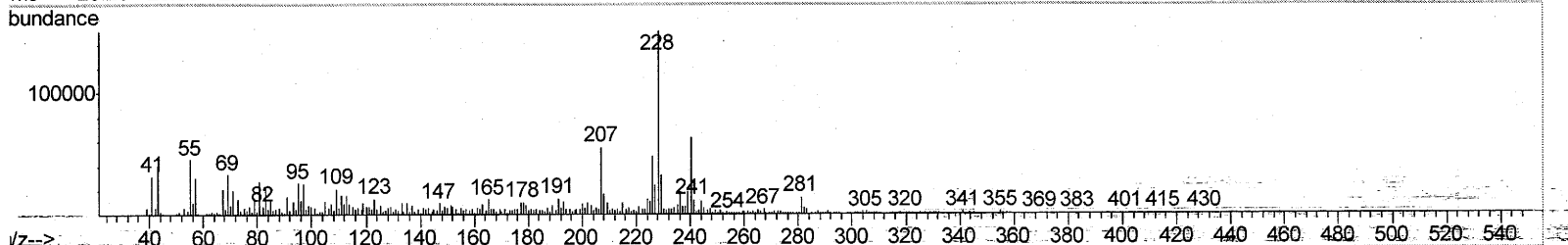
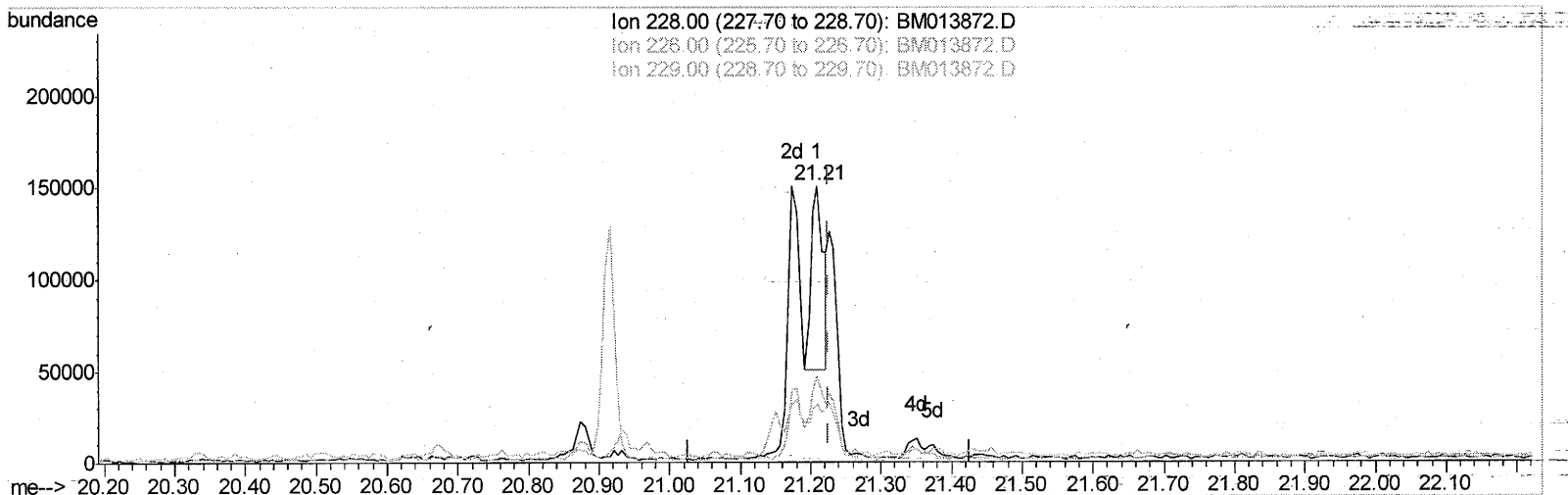
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
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Instrument :
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 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED

Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



(82) Chrysene

21.209min (-0.017) 2.89ng/ul

response 120991

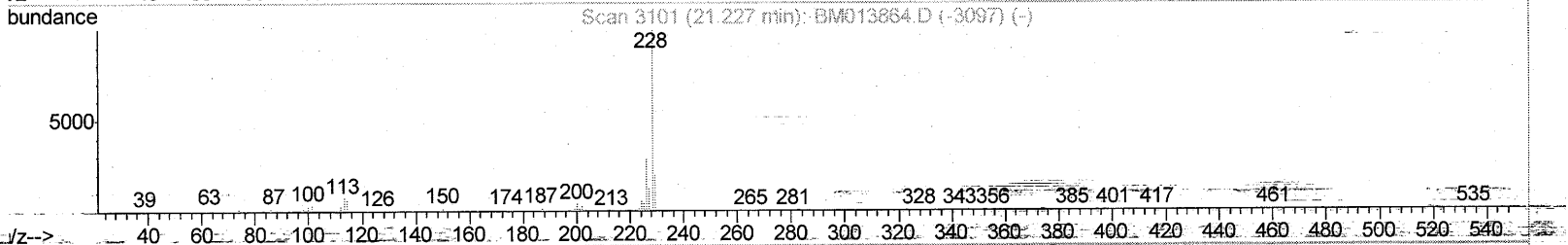
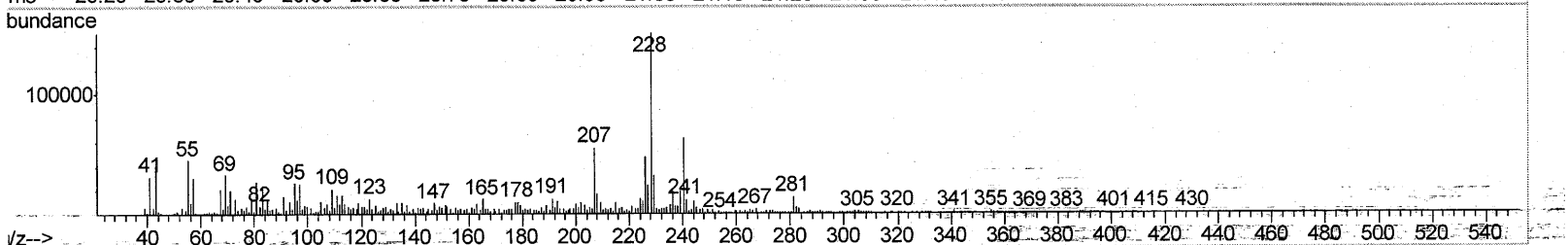
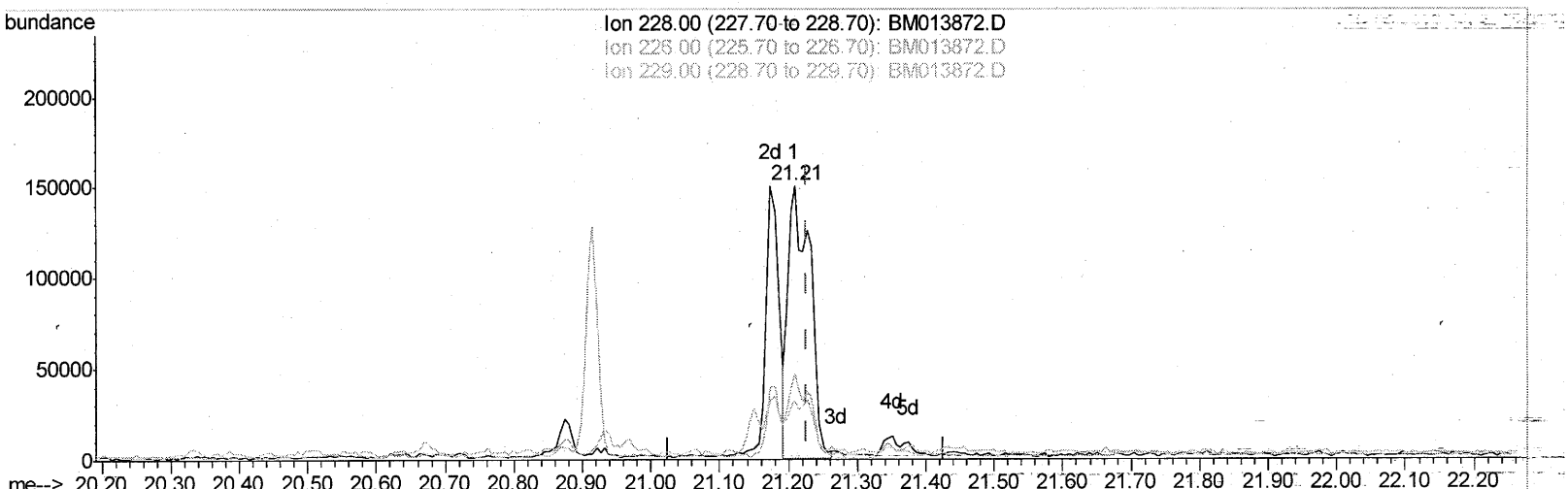
Ion	Exp%	Act%
228.00	100	100
226.00	29.30	31.52
229.00	19.40	21.52
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
 Data File : BM013872.D
 Acq On : 27 Jan 2018 07:57
 Operator : SJ/JU
 Sample : J1222-13DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 F6A95DL

Manual Integrations
 APPROVED
 Sohil
 1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 27 04:13:53 2018
 Response via : Initial Calibration



TIC: BM013872.D

(82) Chrysene

21.209min (-0.017) 7.85ng/ul m *SJ/JU 1/29/18*

response 328612

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	31.52
229.00	19.40	21.52
0.00	0.00	0.00

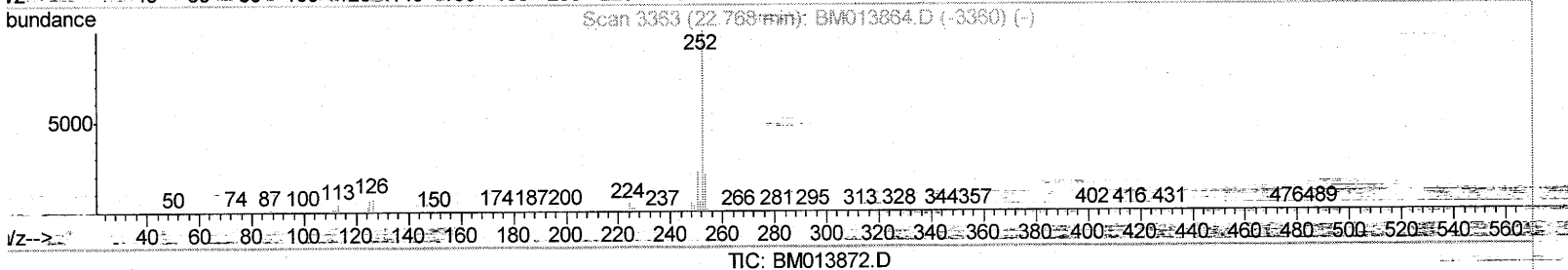
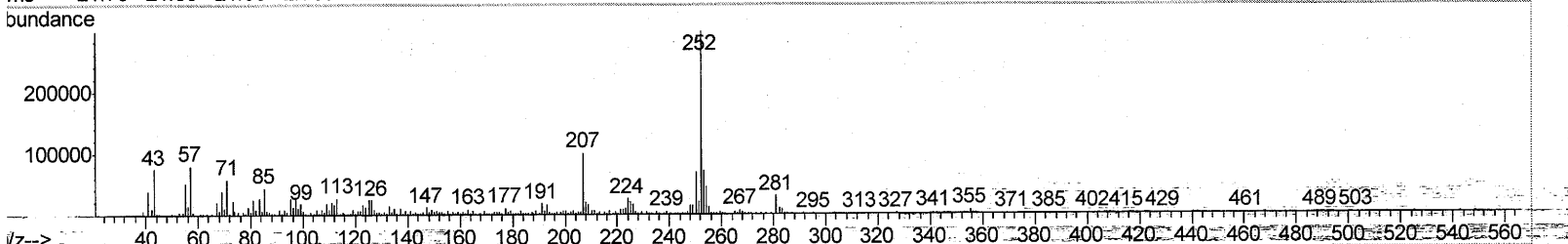
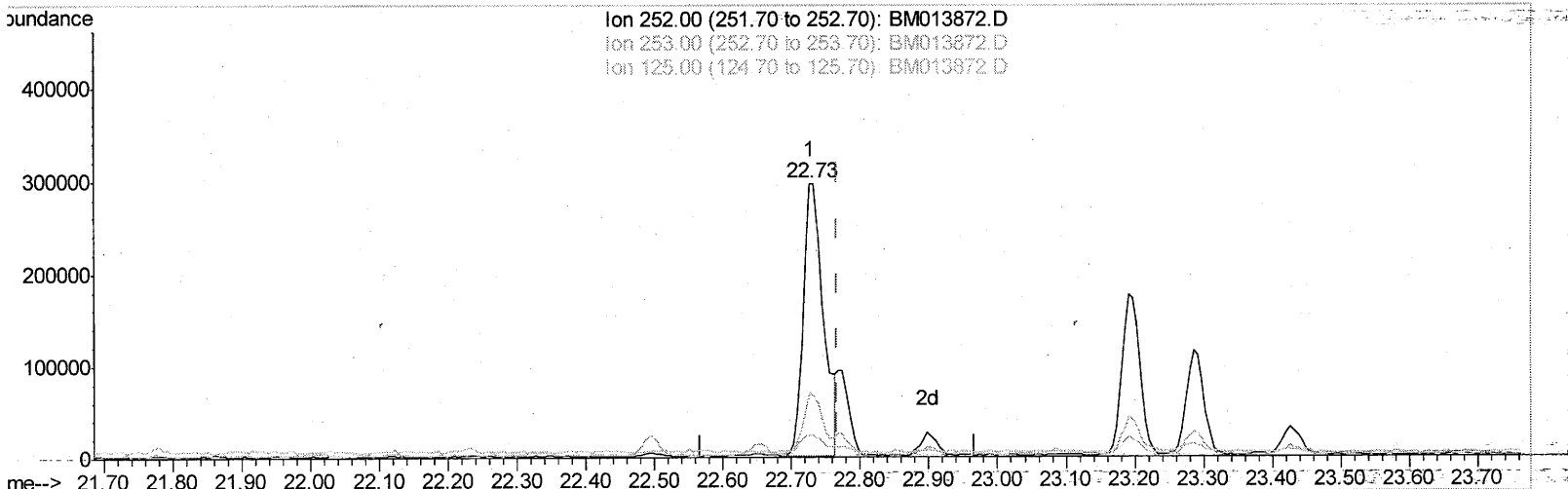
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013872.D
Acq On : 27 Jan 2018 07:57
Operator : SJ/JU
Sample : J1222-13DL 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
F6A95DL

Manual Integrations
APPROVED

Sohil
1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 27 04:13:53 2018
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

22.727min (-0.041) 13.12ng/ul

response 600132

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	23.78
125.00	4.30	8.19#
0.00	0.00	0.00

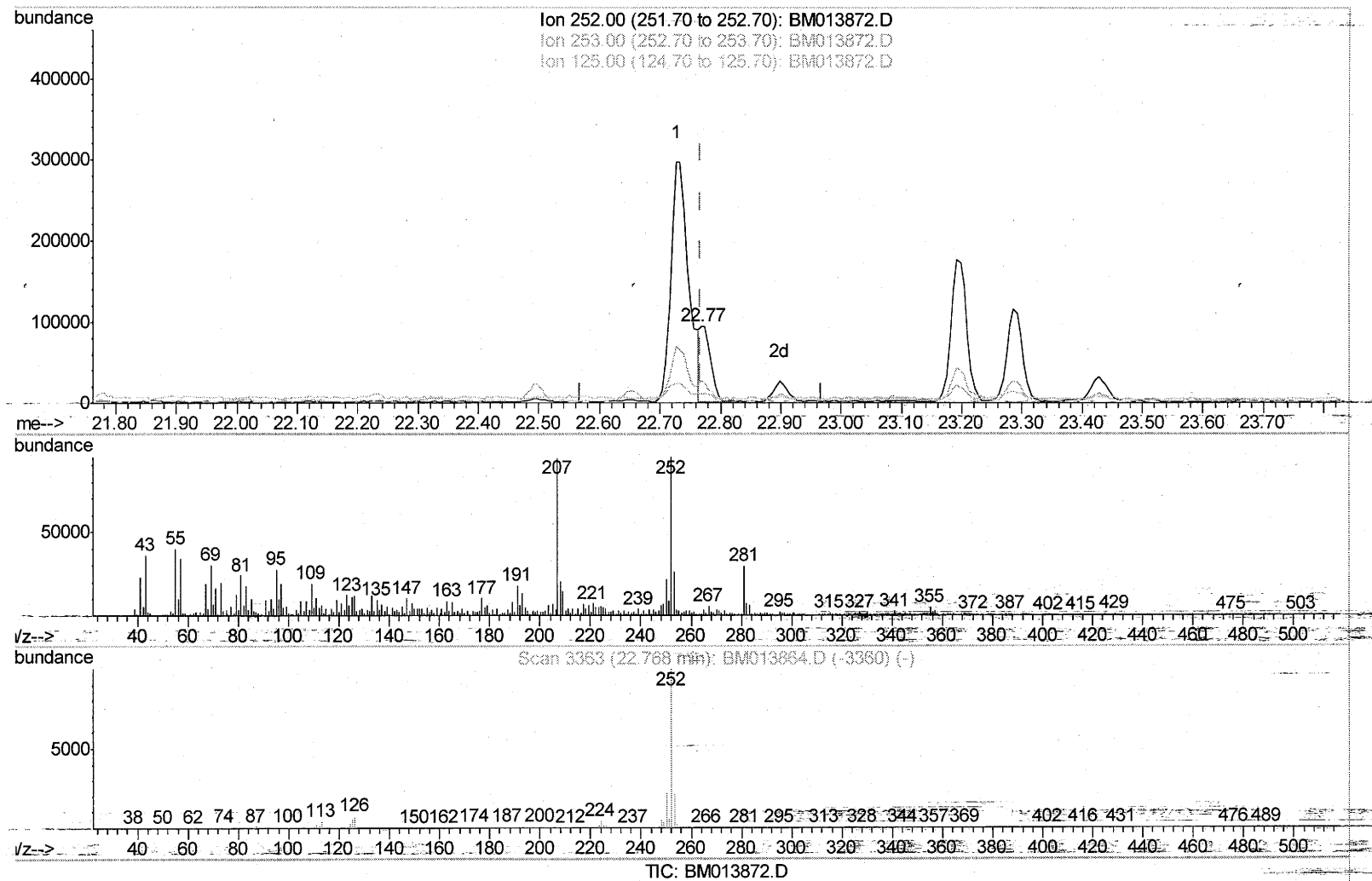
Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013872.D
Acq On : 27 Jan 2018 07:57
Operator : SJ/JU
Sample : J1222-13DL 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
F6A95DL

Manual Integrations
APPROVED

Sohil
1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:15:26 2018
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 27 04:13:53 2018
Response via : Initial Calibration



(86) Benzo(k)fluoranthene

22.768min (+0.000) 2.58ng/ul m

response 118190

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	27.87#
125.00	4.30	12.11#
0.00	0.00	0.00

2011/28/18

Data Path : Z:\HPCHEM1\BNA M\Data\BM012618\
Data File : BM013872.D
Acq On : 27 Jan 2018 07:57
Operator : SJ/JU
Sample : J1222-13DL 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :
F6A95DL

Manual Integrations
APPROVED

Sohil
1/29/2018 7:21:22 PM

Quant Time: Jan 27 22:18:34 2018
Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 27 04:13:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	132186	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	515275	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	303401	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	693765	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	755400	20.00	ng/ul	0.00
83) Perylene-d12	23.38	264	770647	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.15	96	1134	0.34	ng/uL	0.00
5) Phenol-d5	6.79	99	17661m	1.74	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.94	67	12085	1.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	15292	1.85	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	12869	1.65	ng/ul	0.02
19) Nitrobenzene-d5	8.76	128	9386m	2.35	ng/ul	0.02
22) 2-Nitrophenol-d4	9.47	143	8660m	2.05	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.03	165	12895	1.58	ng/ul	0.04
29) 4-Chloroaniline-d4	10.55	131	3078m	0.43	ng/ul	0.04
43) Dimethylphthalate-d6	13.66	166	58001	2.32	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	73199	2.30	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	659	0.16	ng/ul	0.00
57) Fluorene-d10	15.24	176	55220	2.51	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	6272m	1.50	ng/ul	0.02
70) Anthracene-d10	17.09	188	84878	2.51	ng/ul	0.00
76) Pyrene-d10	19.39	212	95736	2.72	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	86841	2.45	ng/ul	0.00

Target Compounds				Ovalue	
28) Naphthalene	10.41	128	40623	1.585	ng/ul 99
34) 2-Methylnaphthalene	12.03	142	46837	2.451	ng/ul 89
49) Acenaphthene	14.30	153	224374	11.104	ng/ul 94
53) Dibenzofuran	14.64	168	189637	6.239	ng/ul 96
55) 2,3,4,6-Tetrachlorophenol	14.87	232	114333	17.952	ng/ul# 89
58) Fluorene	15.29	166	160632	6.451	ng/ul# 96
68) Pentachlorophenol	16.66	266	2332334	497.620	ng/ul 97
69) Phenanthrene	17.03	178	999880	25.928	ng/ul 98
71) Anthracene	17.13	178	231085m	5.810	ng/ul 91
72) Carbazole	17.40	167	51290	1.562	ng/ul# 97
74) Fluoranthene	19.06	202	1409380	30.617	ng/ul# 95
77) Pyrene	19.42	202	1065752	23.207	ng/ul# 98
80) Benzo(a)anthracene	21.17	228	195957	4.293	ng/ul 96
82) Chrysene	21.21	228	328612m	7.848	ng/ul 94
85) Benzo(b)fluoranthene	22.73	252	600132	12.680	ng/ul# 91
86) Benzo(k)fluoranthene	22.77	252	118190m	2.584	ng/ul 91
88) Benzo(a)pyrene	23.29	252	207153	4.633	ng/ul# 89
89) Indeno(1,2,3-cd)pyrene	25.57	276	136143	2.580	ng/ul# 89
91) Benzo(g,h,i)perylene	26.24	276	122328	2.816	ng/ul# 89

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