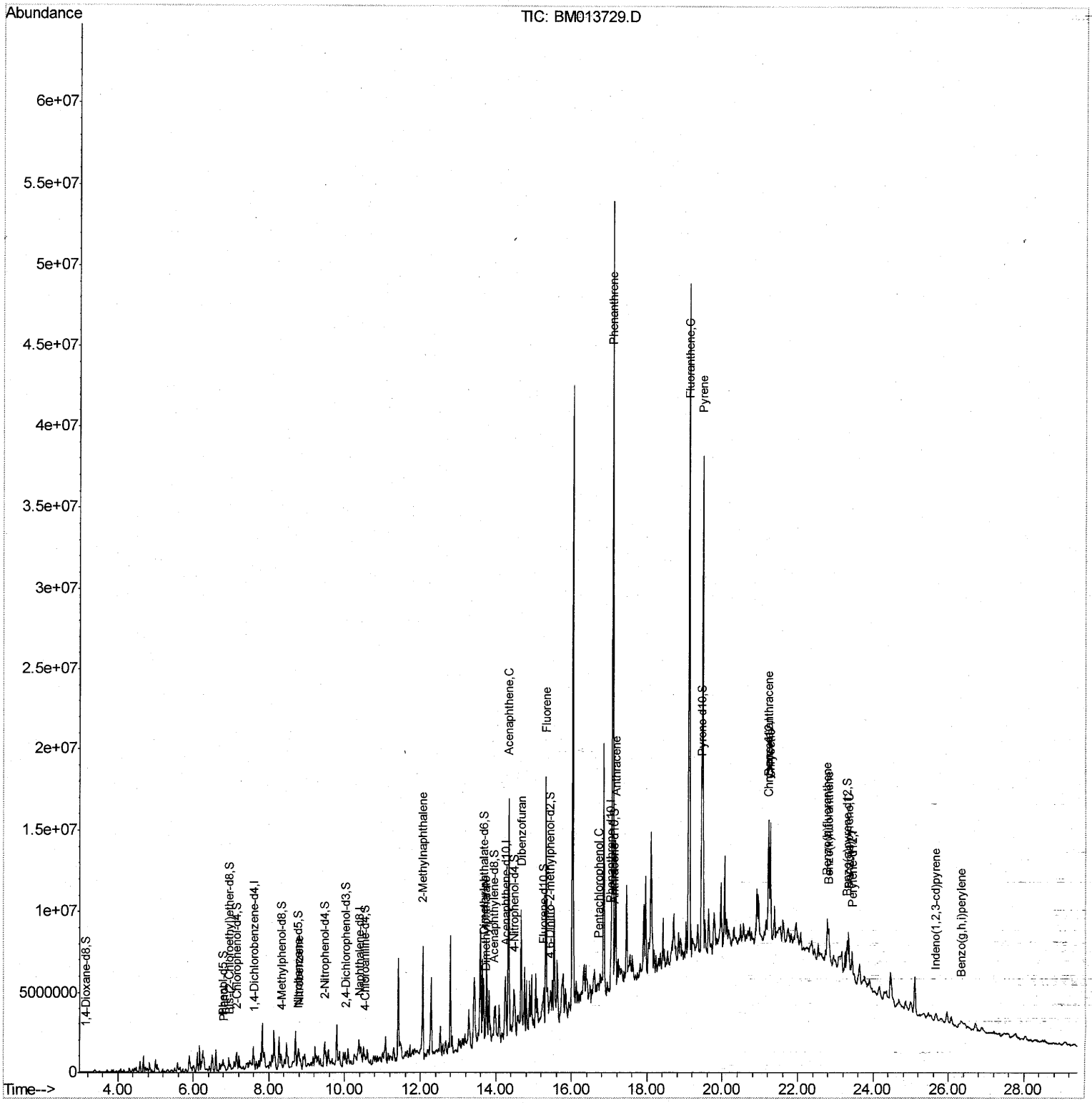
Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\
Data File : BM013729.D
Acq On : 23 Jan 2018 12:46
Operator : SJ/JU
Sample : J1174-13
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jan 23 13:44:15 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 23 06:05:57 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6A48

Manual Integrations APPROVED
Sohil
1/23/2018 4:08:10 PM



Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\
Data File : BM013729.D
Acq On : 23 Jan 2018 12:46
Operator : SJ/JU
Sample : J1174-13
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jan 23 13:38:05 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
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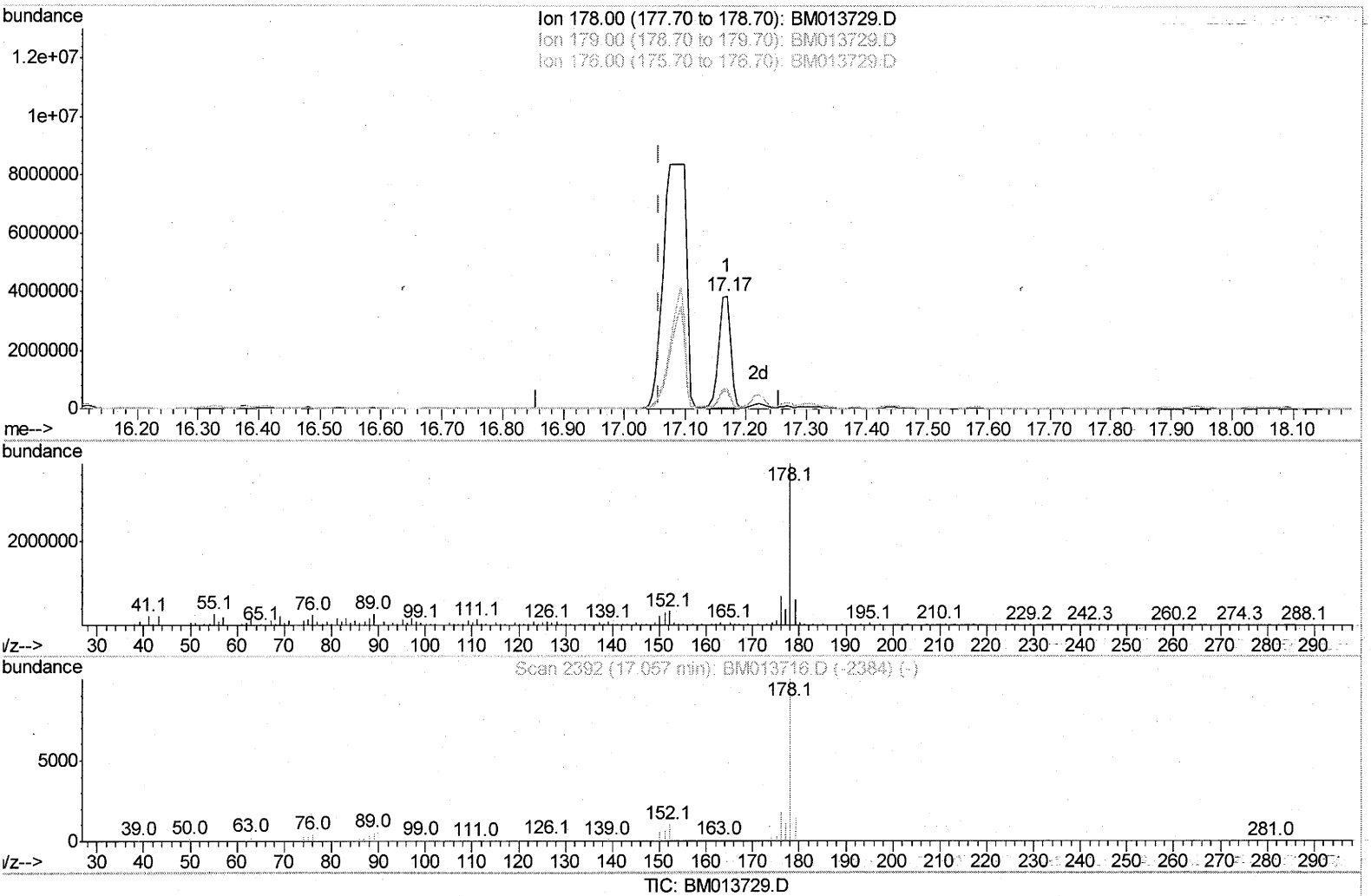
Manual Integrations APPROVED
Sohil
1/23/2018 4:08:10 PM



(69) Phenanthrene

17.168min (+0.112) 100.14ng/ul

response 5156278

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	16.08
176.00	18.60	18.03
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\
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BNA_M
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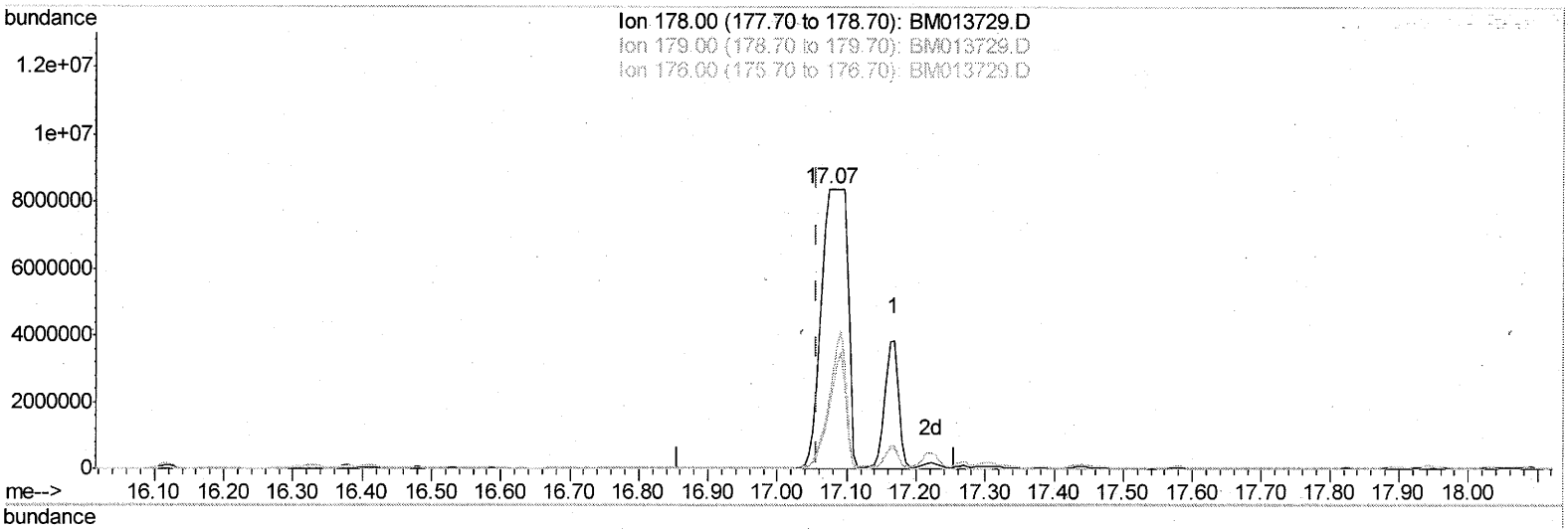
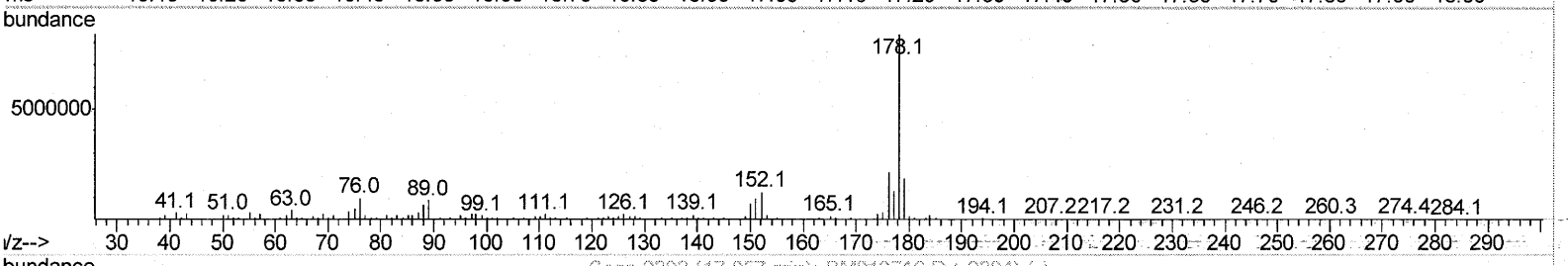
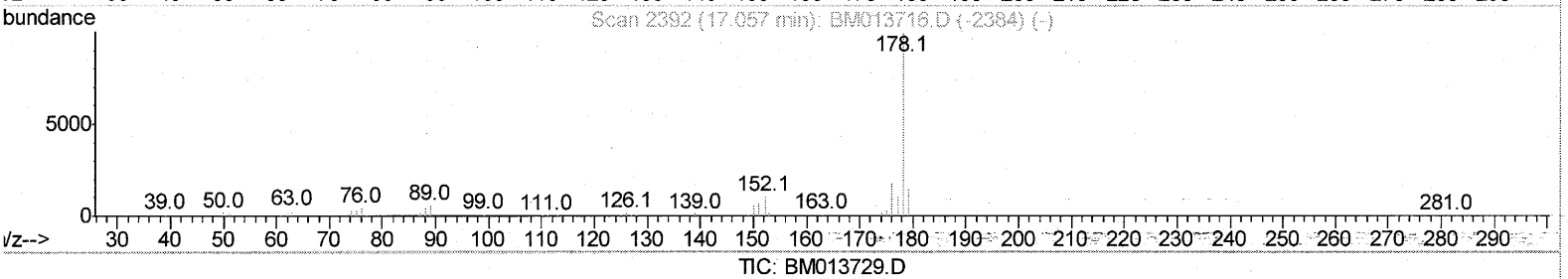
Manual Integrations APPROVED
Sohil
1/23/2018 4:08:10 PM







TIC: BM013729.D

(69) Phenanthrene

17.074min (+0.018) 431.17ng/ul m

JU 01/26/18

response 22200608

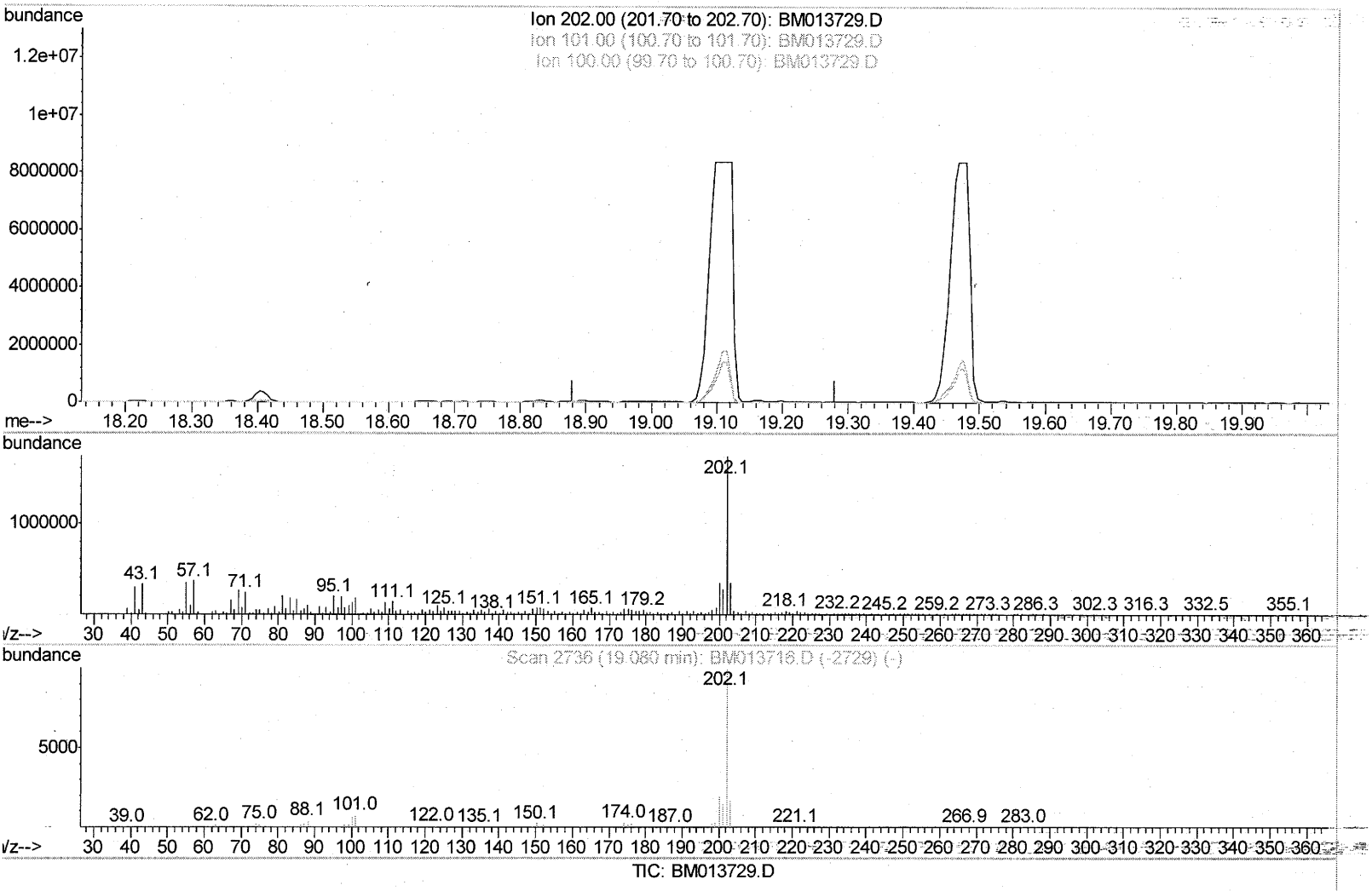
Ion	Exp%	Act%
178.00	100	100
179.00	15.80	22.22#
176.00	18.60	25.11#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\
Data File : BM013729.D
Acq On : 23 Jan 2018 12:46
Operator : SJ/JU
Sample : J1174-13
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jan 23 13:38:05 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 23 06:05:57 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6A48

Manual Integrations APPROVED
Sohil
1/23/2018 4:08:10 PM



(74) Fluoranthene (C)

19.080min (-19.080) 0.00ng/ul

response 0

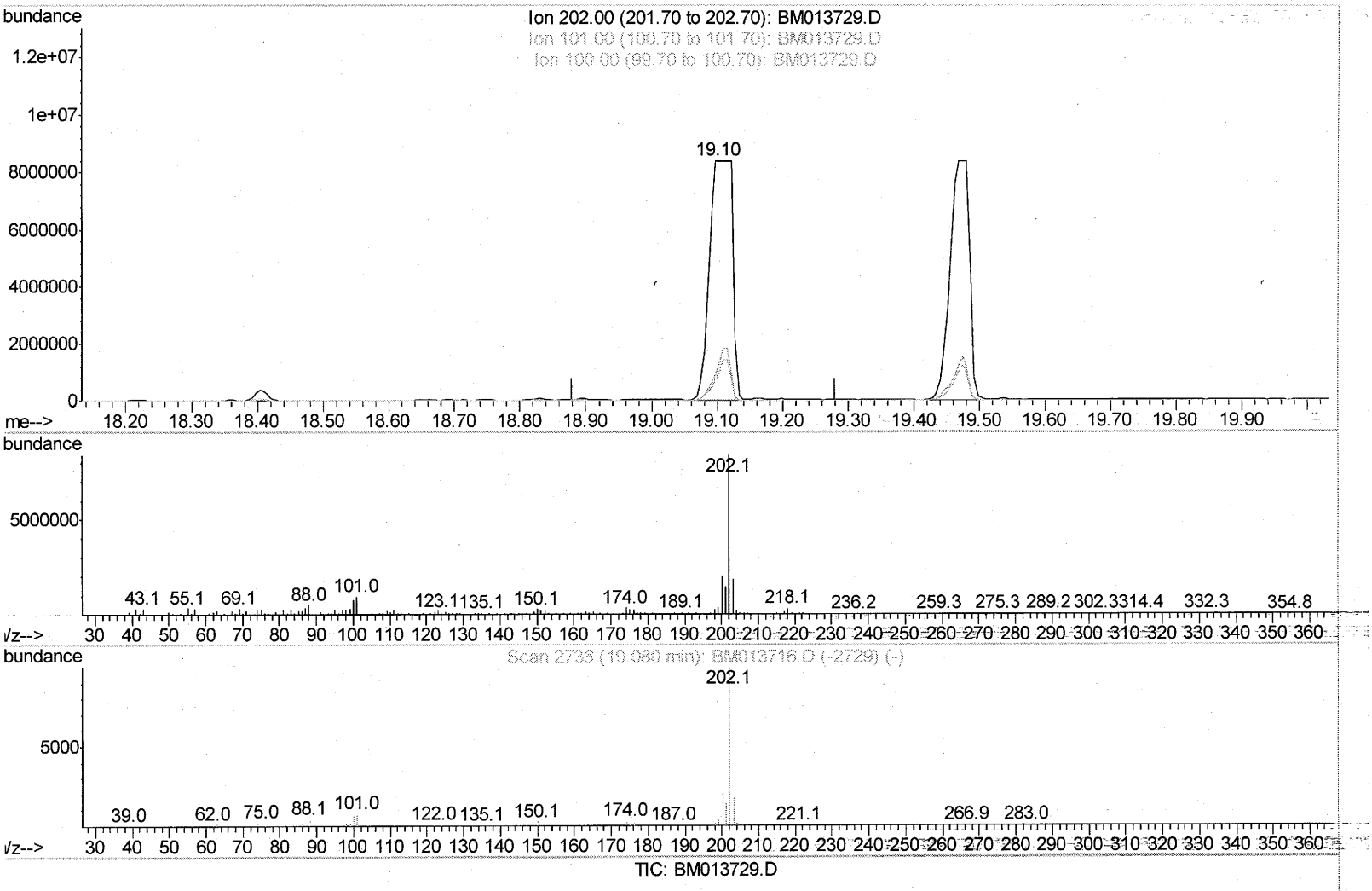
Ion	Exp%	Act%
202.00	100	0.00
101.00	5.80	0.00#
100.00	4.30	0.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\
Data File : BM013729.D
Acq On : 23 Jan 2018 12:46
Operator : SJ/JU
Sample : J1174-13
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jan 23 13:38:05 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 23 06:05:57 2018
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F6A48

Manual Integrations APPROVED
Sohil
1/23/2018 4:08:10 PM



(74) Fluoranthene (C)

19.098min (+0.018) 332.01ng/ul m JU 01/26/18

response 20405760

Ion	Exp%	Act%
202.00	100	100
101.00	5.80	11.14#
100.00	4.30	8.62#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012218\
Data File : BM013729.D
Acq On : 23 Jan 2018 12:46
Operator : SJ/JU
Sample : J1174-13
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6A48

Manual Integrations APPROVED
Sohil
1/23/2018 4:08:10 PM

Quant Time: Jan 23 13:44:15 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jan 23 06:05:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	208263	20.00	ng/ul	0.00
18) Naphthalene-d8	10.39	136	779625	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.26	164	460270	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.03	188	926296	20.00	ng/ul	0.01
75) Chrysene-d12	21.23	240	1007520	20.00	ng/ul	0.02
83) Perylene-d12	23.43	264	982915	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.16	96	12757	2.42	ng/uL	0.00
5) Phenol-d5	6.79	99	334276	20.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	196593	20.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	272919	20.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.32	113	276666	22.51	ng/ul	0.00
19) Nitrobenzene-d5	8.76	128	142664	23.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.48	143	147844	23.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.02	165	263435	21.33	ng/ul	0.00
29) 4-Chloroaniline-d4	10.53	131	202997	18.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.68	166	777028	20.48	ng/ul	0.00
46) Acenaphthylene-d8	13.96	160	994010	20.55	ng/ul	0.00
51) 4-Nitrophenol-d4	14.50	143	109668	17.79	ng/ul	0.01
57) Fluorene-d10	15.27	176	686332	20.57	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.42	200	80657	14.47	ng/ul	0.02
70) Anthracene-d10	17.13	188	1017884	22.56	ng/ul	0.02
76) Pyrene-d10	19.43	212	1156334	24.65	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.30	264	1090590	24.14	ng/ul	0.03
Target Compounds						Qvalue
6) Phenol	6.82	94	38117	2.377	ng/ul	92
20) Nitrobenzene	8.79	77	26350	1.686	ng/ul#	50
34) 2-Methylnaphthalene	12.06	142	3075283	106.346	ng/ul	93
44) Dimethylphthalate	13.73	163	189806	5.089	ng/ul#	98
49) Acenaphthene	14.34	153	5779211	188.533	ng/ul	98
53) Dibenzofuran	14.67	168	1935615	41.974	ng/ul	96
58) Fluorene	15.33	166	6122571	162.081	ng/ul	98
68) Pentachlorophenol	16.69	266	34100	5.449	ng/ul	94
69) Phenanthrene	17.07	178	22200608m	431.172	ng/ul	> JU 01/26/18
71) Anthracene	17.17	178	5158164	97.125	ng/ul	98
74) Fluoranthene	19.10	202	20405760m	332.009	ng/ul	> JU 01/26/18
77) Pyrene	19.47	202	17453630	284.957	ng/ul#	79
80) Benzo(a)anthracene	21.22	228	3485177	57.247	ng/ul	98
82) Chrysene	21.27	228	3926519	70.305	ng/ul	98
85) Benzo(b)fluoranthene	22.78	252	2291726	37.966	ng/ul#	95
86) Benzo(k)fluoranthene	22.82	252	746977	12.803	ng/ul#	90
88) Benzo(a)pyrene	23.34	252	903941	15.852	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	25.64	276	336510	4.999	ng/ul#	95
91) Benzo(g,h,i)perylene	26.32	276	272314	4.915	ng/ul#	86

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