

Quantitation Report (QT Reviewed)

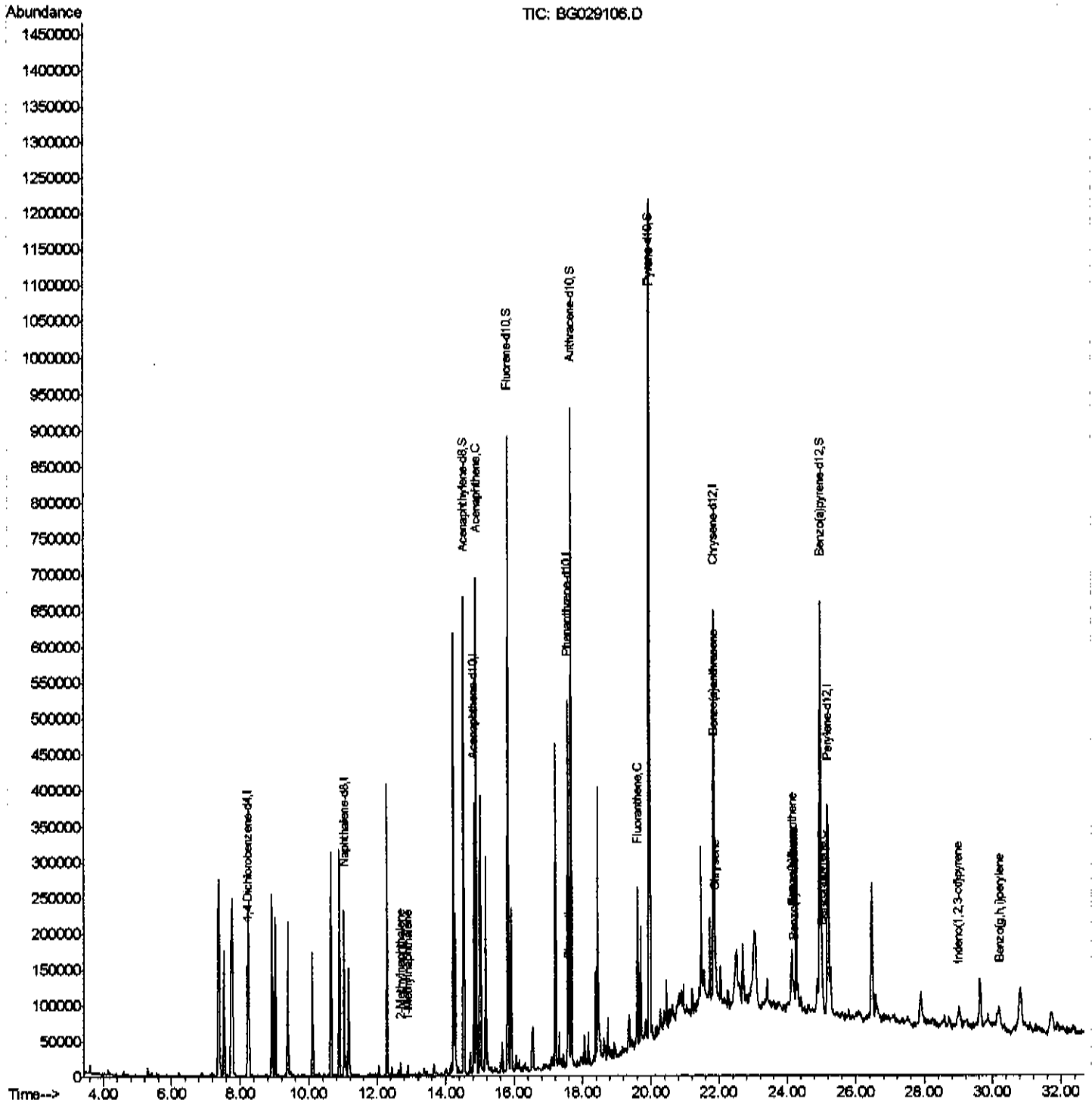
Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029106.D
 Acq On : 9 Oct 2017 13:59
 Operator : SJ/JU
 Sample : I5578-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 DAGC5MSD

Manual Integrations
 APPROVED

Sohil
 10/10/2017 5:03:28 PM

Quant Time: Oct 10 05:26:56 2017
 Quant Method : 2:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 04:45:55 2017
 Response via : Initial Calibration



Quantitation Report (Qedit)

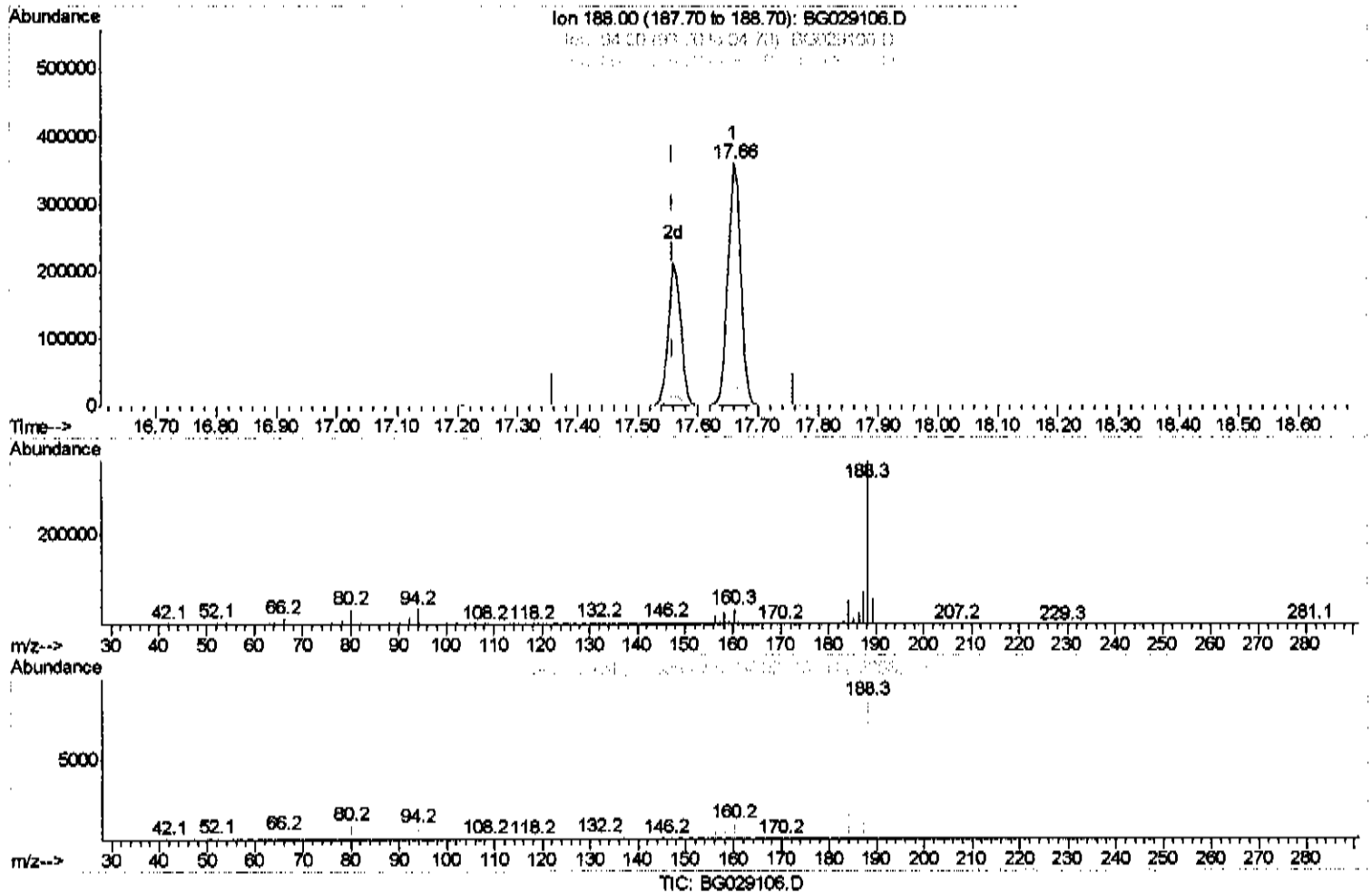
Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
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 Acq On : 9 Oct 2017 13:59
 Operator : SJ/JU
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Instrument :
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Manual Integrations
 APPROVED

Sohil
 10/10/2017 5:03:28 PM

Quant Time: Oct 10 04:47:25 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 04:45:55 2017
 Response via : Initial Calibration



(12) Phenanthrene-d10 (I)

17.659min (+0.101) 20.00ng/ul

response 538309

Ion	Exp%	Act%
188.00	100	100
94.00	9.30	9.33
80.00	10.60	9.03
0.00	0.00	0.00

Quantitation Report (Qedit)

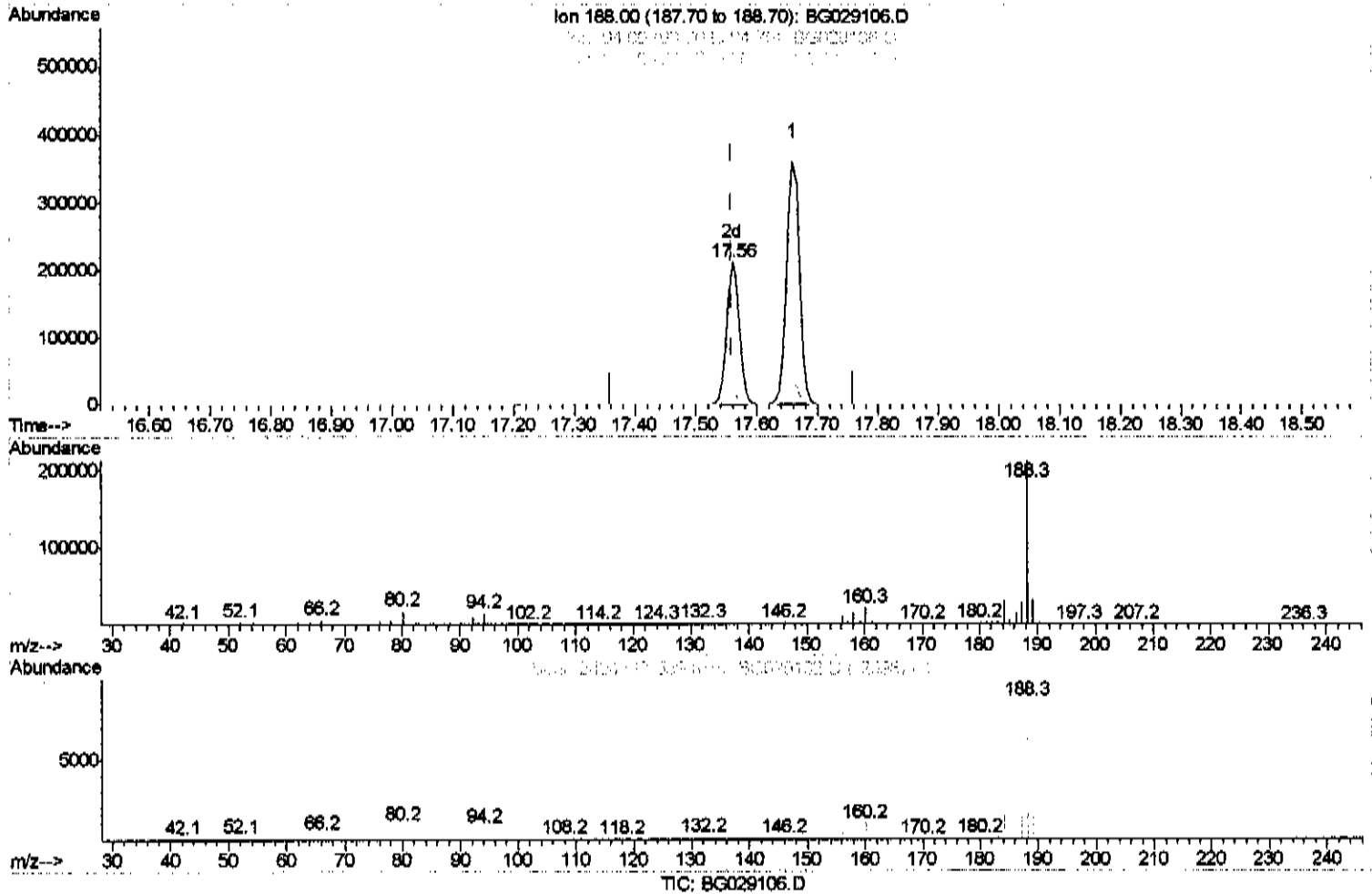
Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
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(12) Phenanthrene-d10 (I)

17.560min (+0.001) 20.00ng/ul m

response 308674

Ion	Exp%	Act%
188.00	100	100
94.00	9.30	7.01#
80.00	10.60	8.43#
0.00	0.00	0.00

Quantitation Report (Qedit)

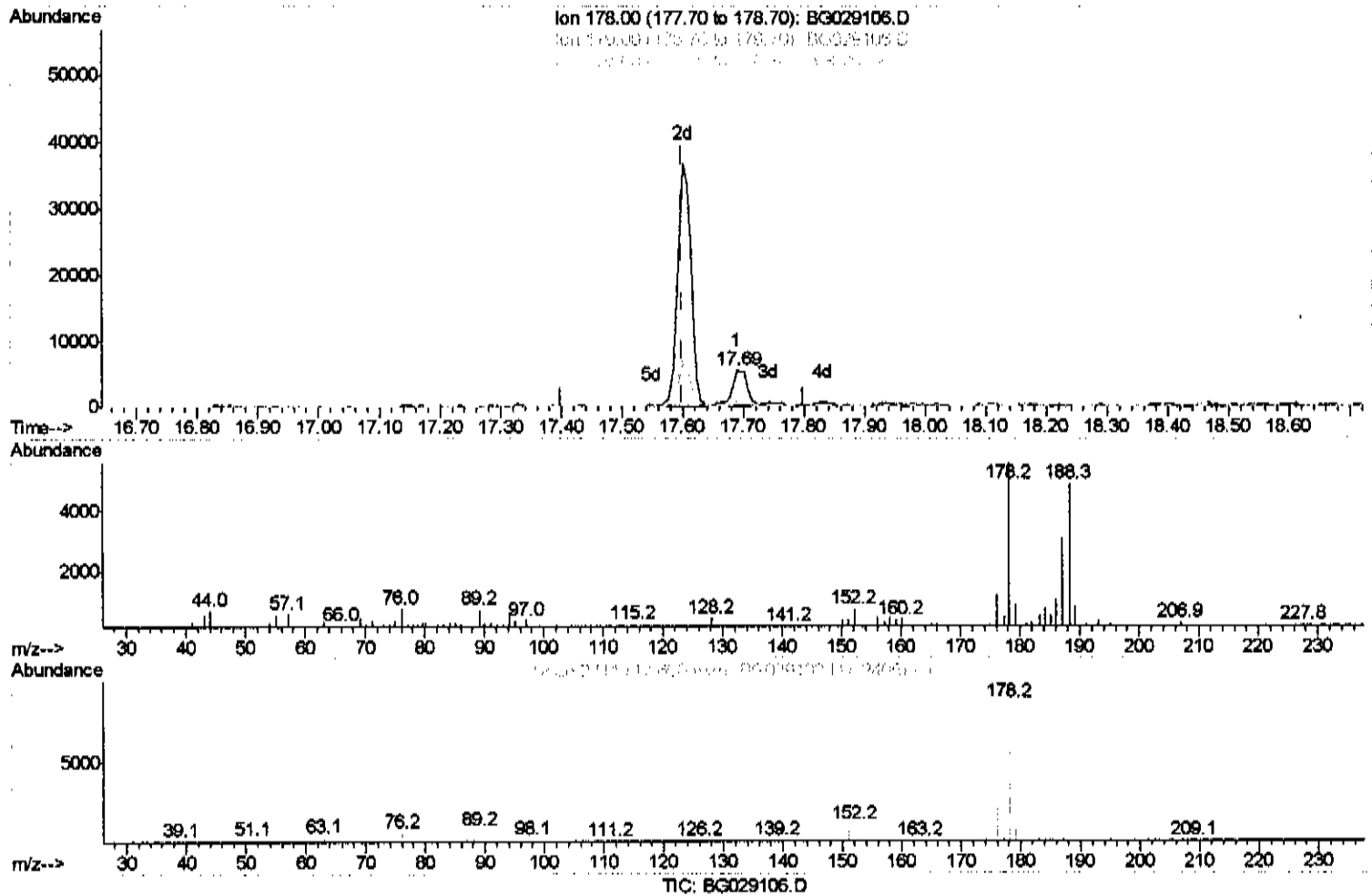
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(13) Phenanthrene

17.689min (+0.069) 0.55ng/ul

response 9133

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.65
176.00	18.90	21.59
0.00	0.00	0.00

Quantitation Report (Qedit)

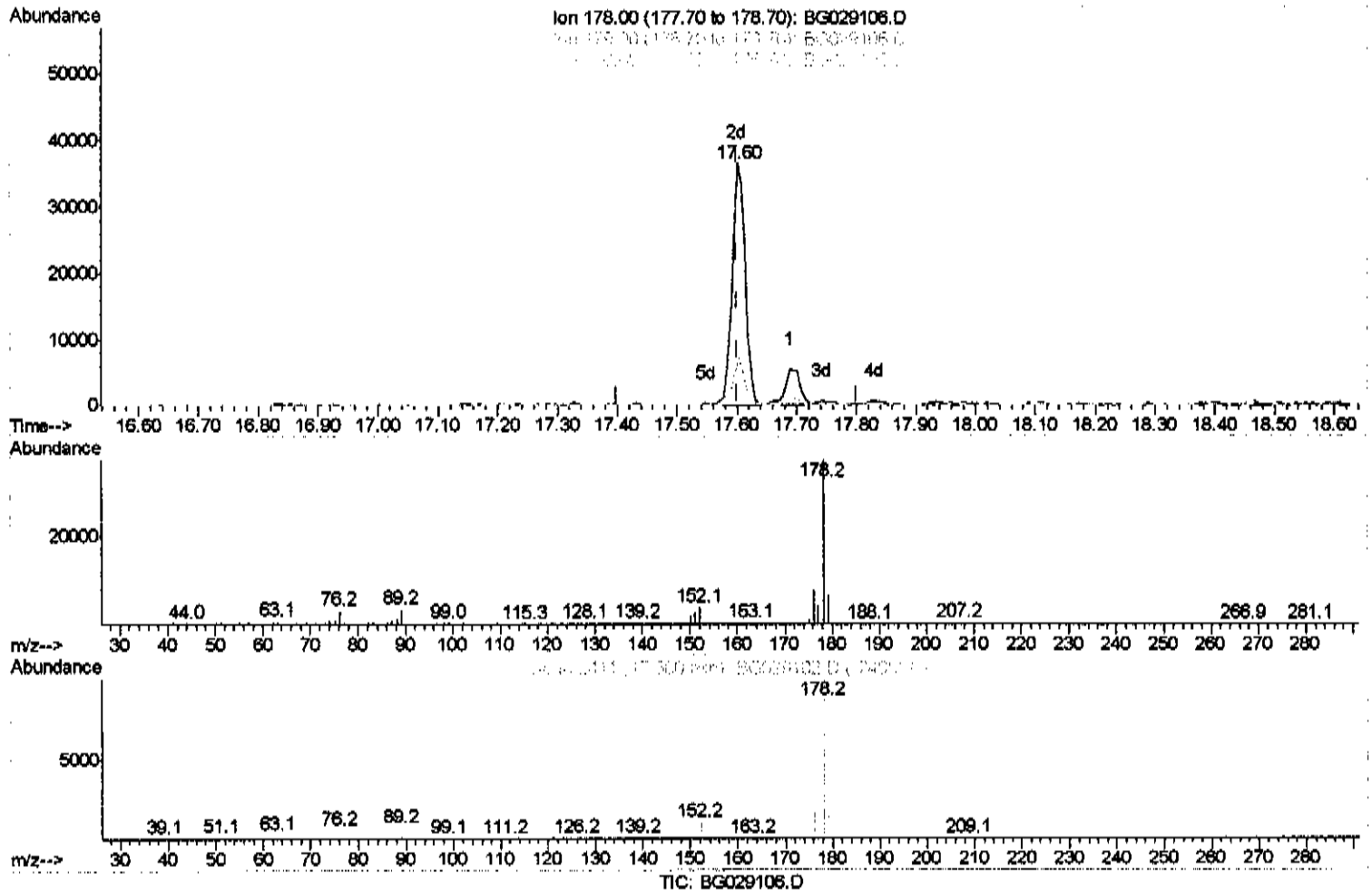
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(13) Phenanthrene

17.601min (+0.001) 3.43ng/ul m

response 56438

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	17.60
176.00	18.90	20.76
0.00	0.00	0.00

Quantitation Report (Qedit)

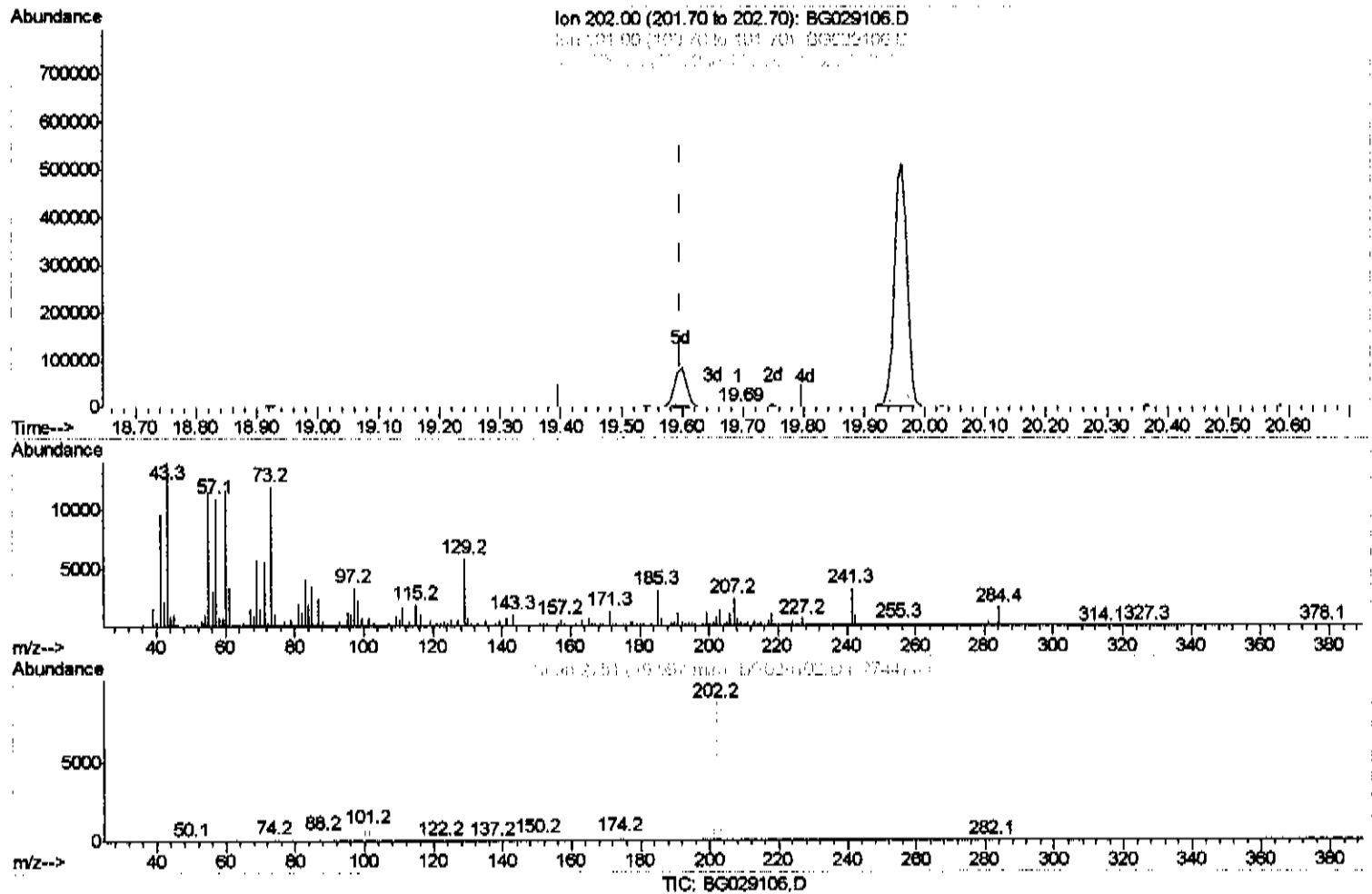
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(16) Fluoranthene (C)

19.692min (+0.095) 0.03ng/ul

response 629

Ion	Exp%	Act%
202.00	100	100
101.00	12.40	86.91#
100.00	9.20	23.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

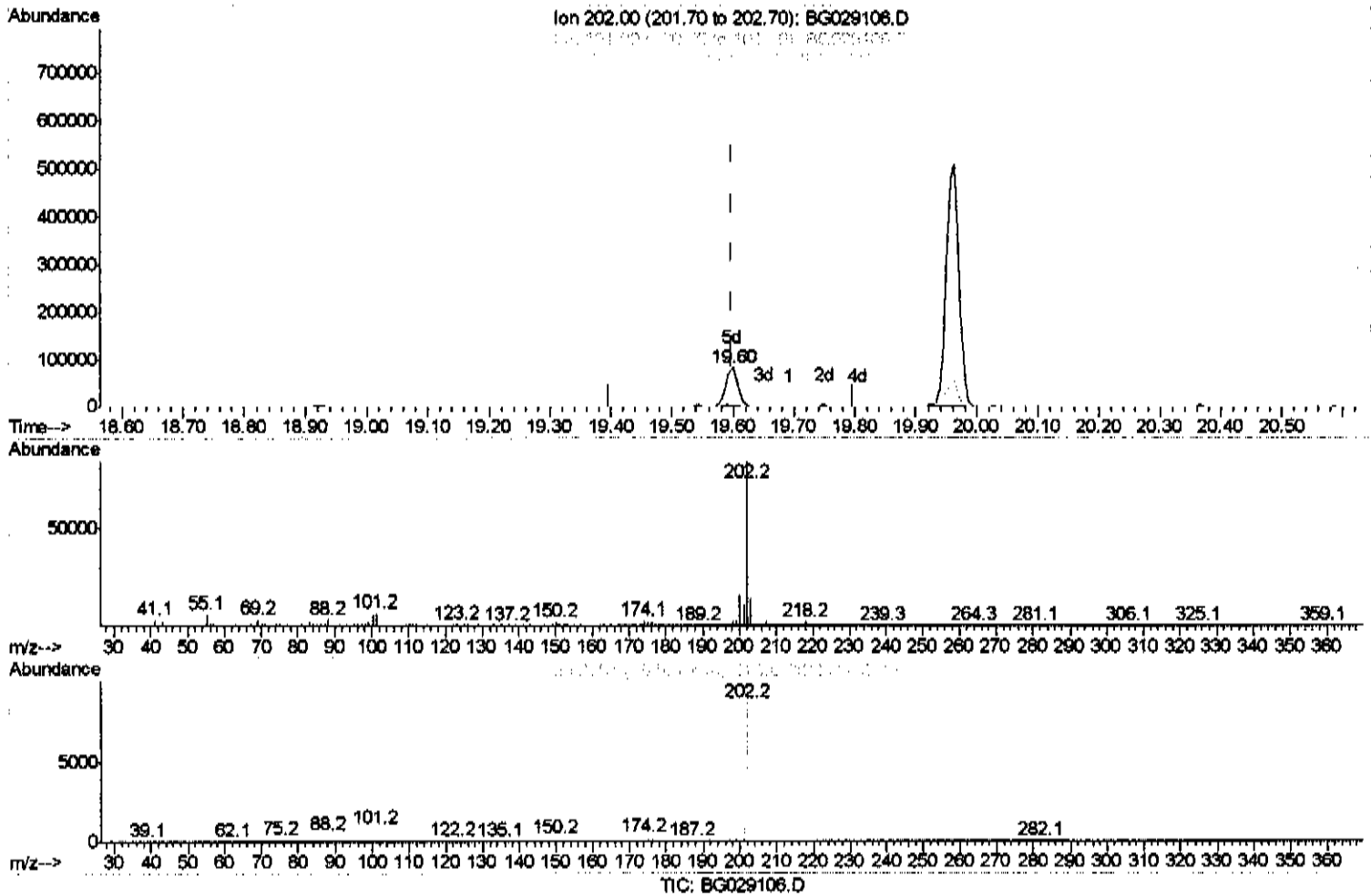
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(16) Fluoranthene (C)

19.588min (+0.001) 5.87ng/ul m

response 113359

Ion	Exp%	Act%
202.00	100	100
101.00	12.40	7.94#
100.00	9.20	6.79#
0.00	0.00	0.00

Quantitation Report (Qedit)

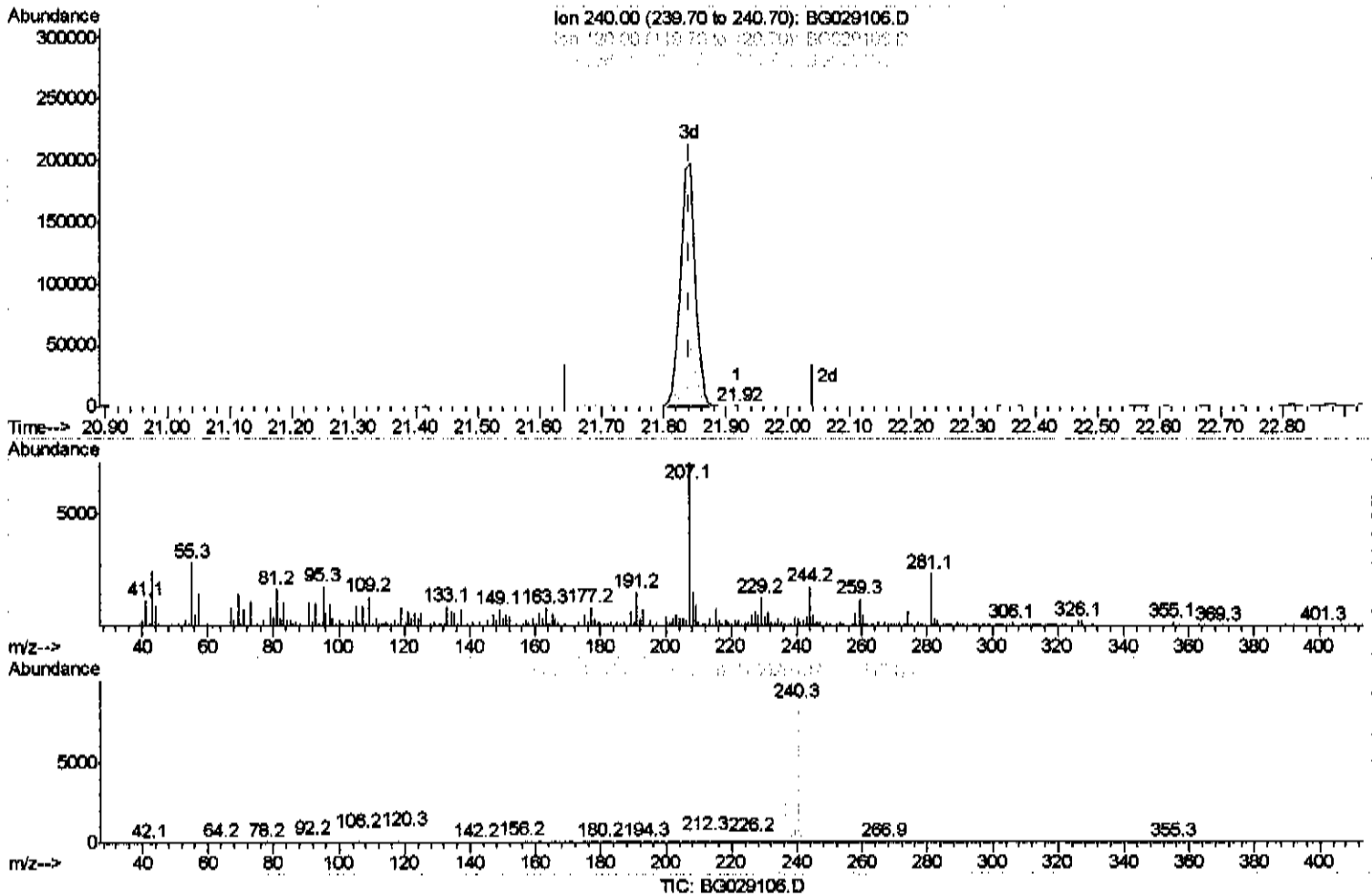
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(17) Chrysene-d12 (I)

21.918min (+0.077) 20.00ng/ul

response 374

Ion	Exp%	Act%
240.00	100	100
120.00	10.20	61.67%
236.00	27.20	51.67%
0.00	0.00	0.00

Quantitation Report (Qedit)

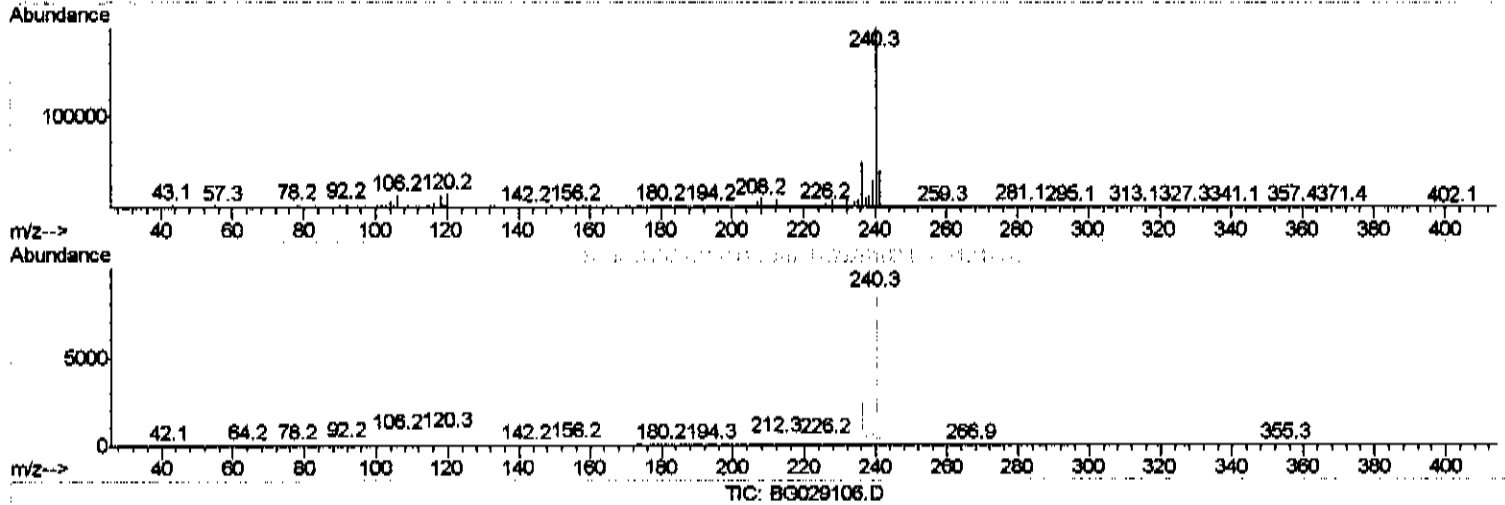
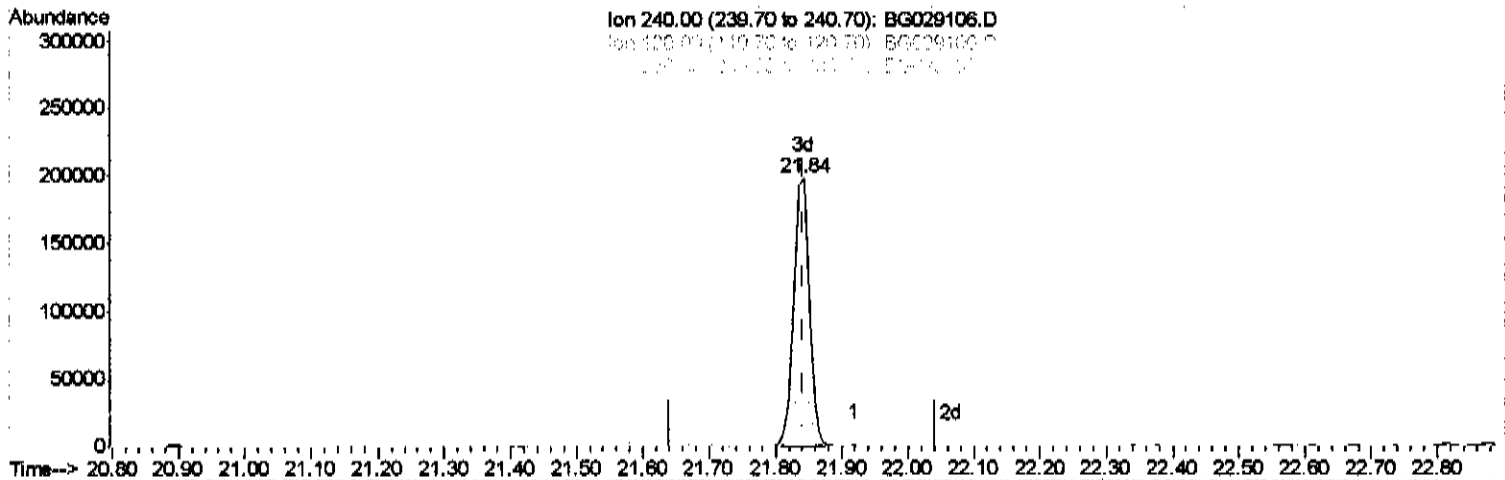
Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
 Data File : BG029106.D
 Acq On : 9 Oct 2017 13:59
 Operator : SJ/JU
 Sample : I5578-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 DAGC5MSD

Manual Integrations
 APPROVED

Sohil
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(17) Chrysene-d12 (I)

21.842min (+0.001) 20.00ng/ul m *JUW/10/17*

response 329233

Ion	Exp%	Act%
240.00	100	100
120.00	10.20	7.38#
236.00	27.20	24.48
0.00	0.00	0.00

Quantitation Report (Qedit)

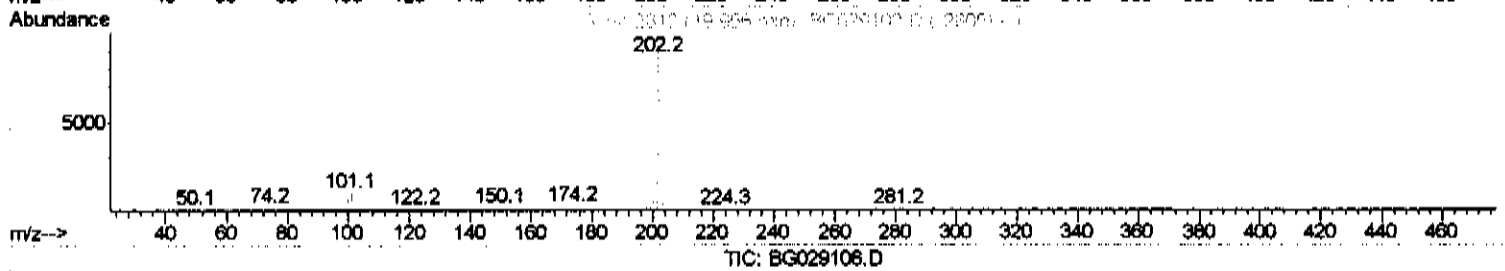
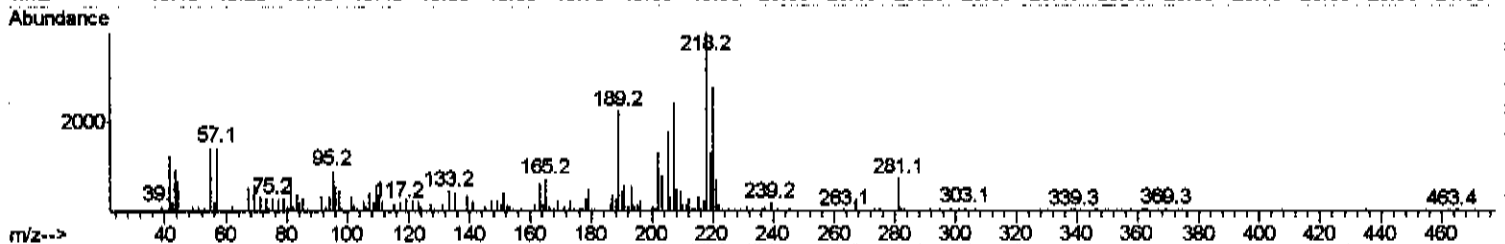
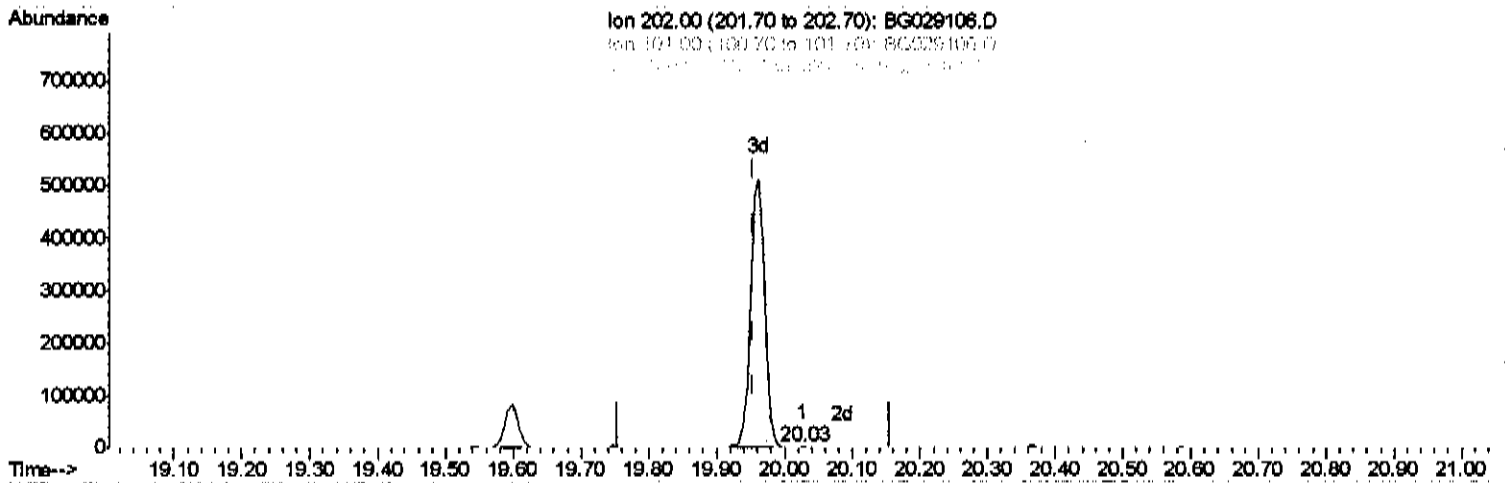
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 Sample : I5578-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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Manual Integrations
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Sohil
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(19) Pyrene

20.027min (+0.071) 0.05ng/ul

response 1094

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	34.36#
100.00	10.10	12.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

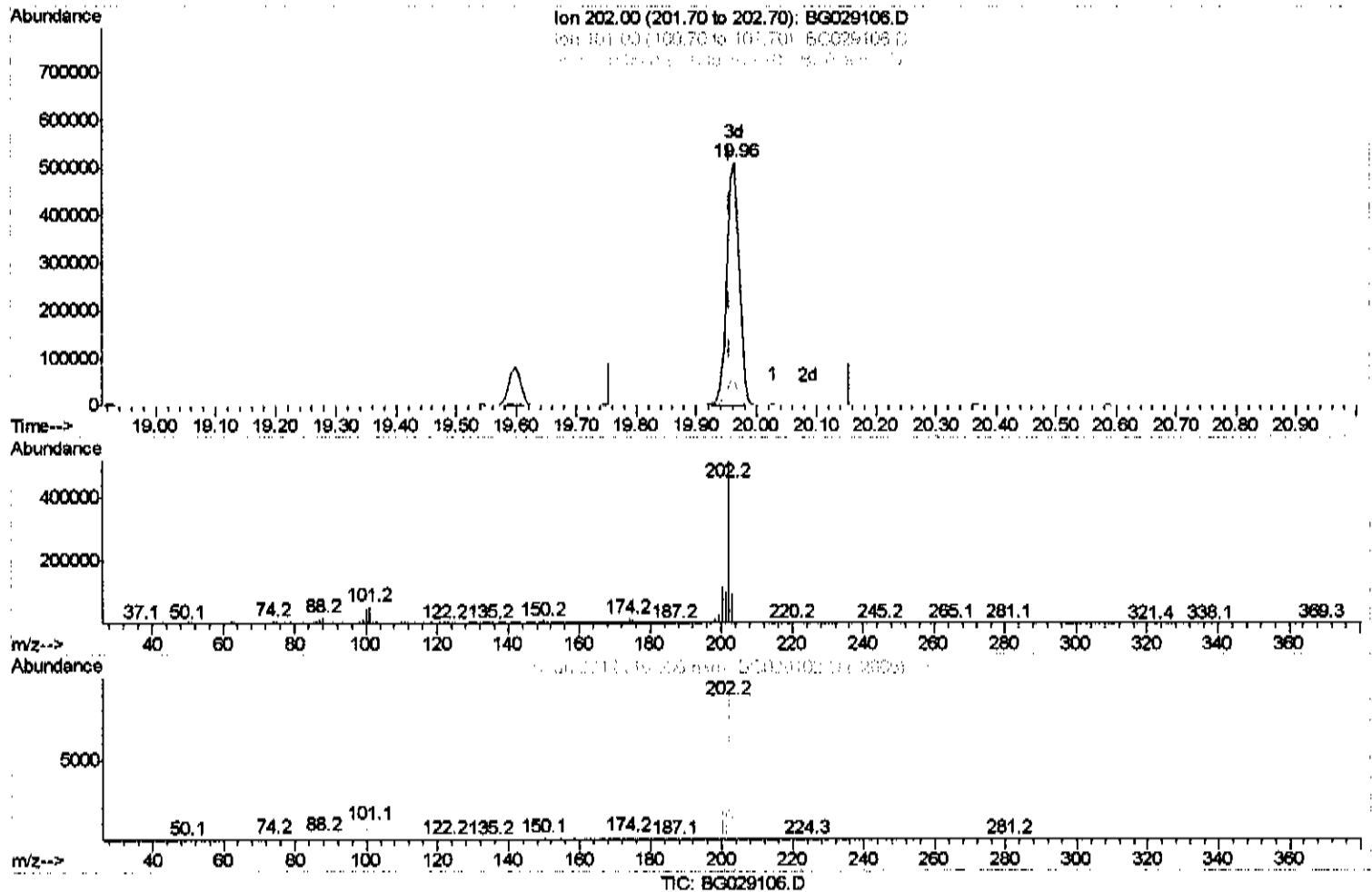
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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 DAGC5MSD

Manual Integrations
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(19) Pyrene

19.962min (+0.007) 36.33ng/ul m

response 745696

Ion	Exp%	Act%
202.00	100	100
101.00	13.70	10.36%
100.00	10.10	8.78
0.00	0.00	0.00

Quantitation Report (Qedit)

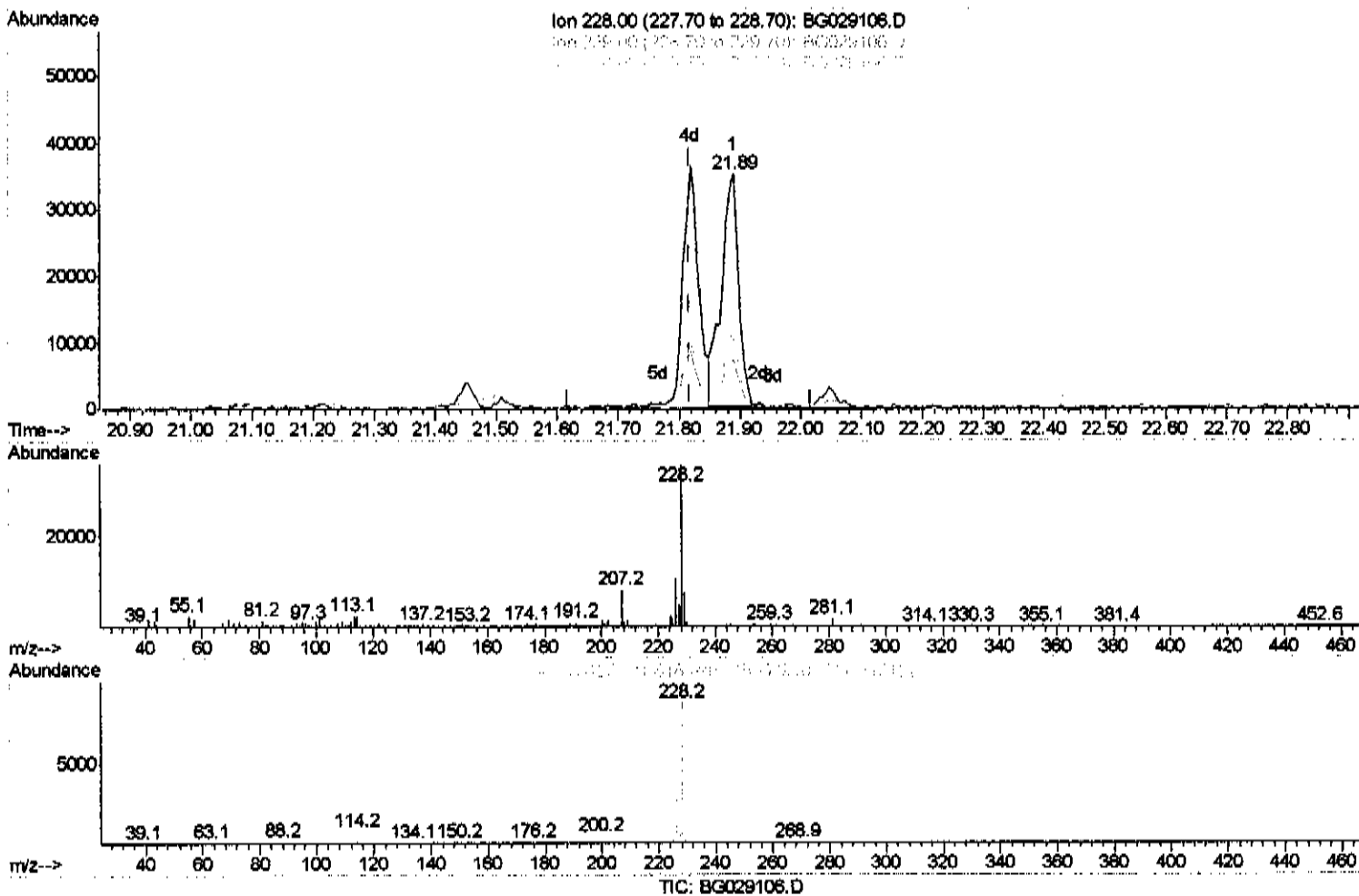
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 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampled :
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Manual Integrations
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(20) Benzo(a)anthracene

21.889min (+0.071) 3.56ng/ul

response 69000

Ion	Exp%	Act%
228.00	100	100
229.00	19.60	21.60
226.00	26.40	29.96
0.00	0.00	0.00

Quantitation Report (Qedit)

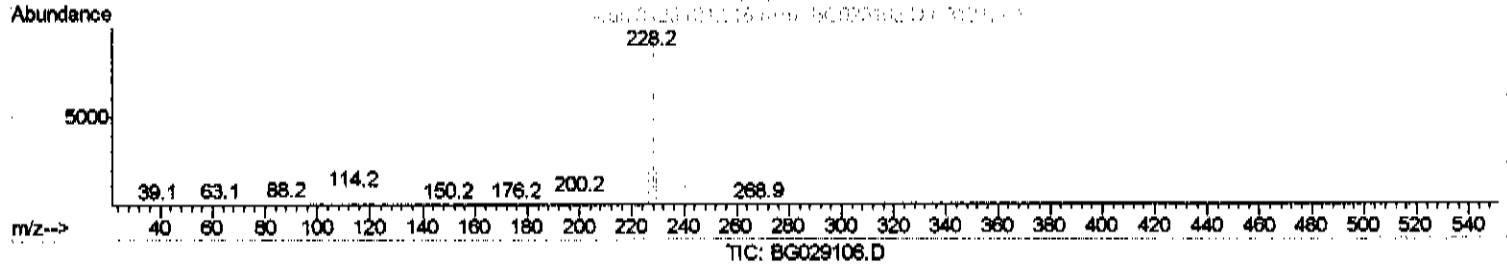
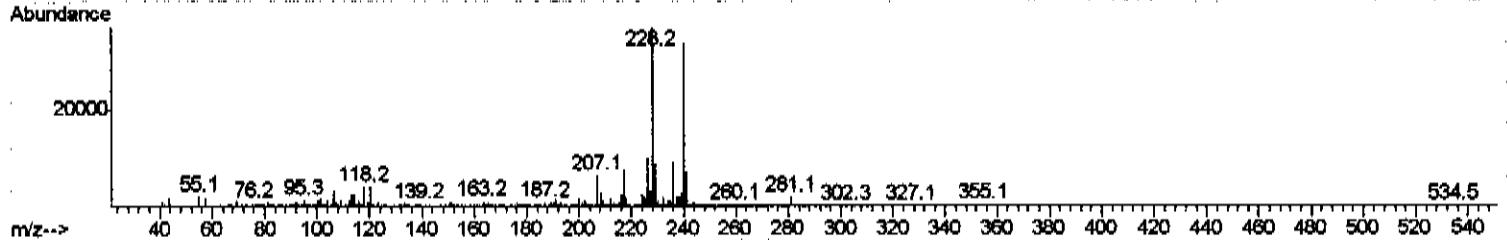
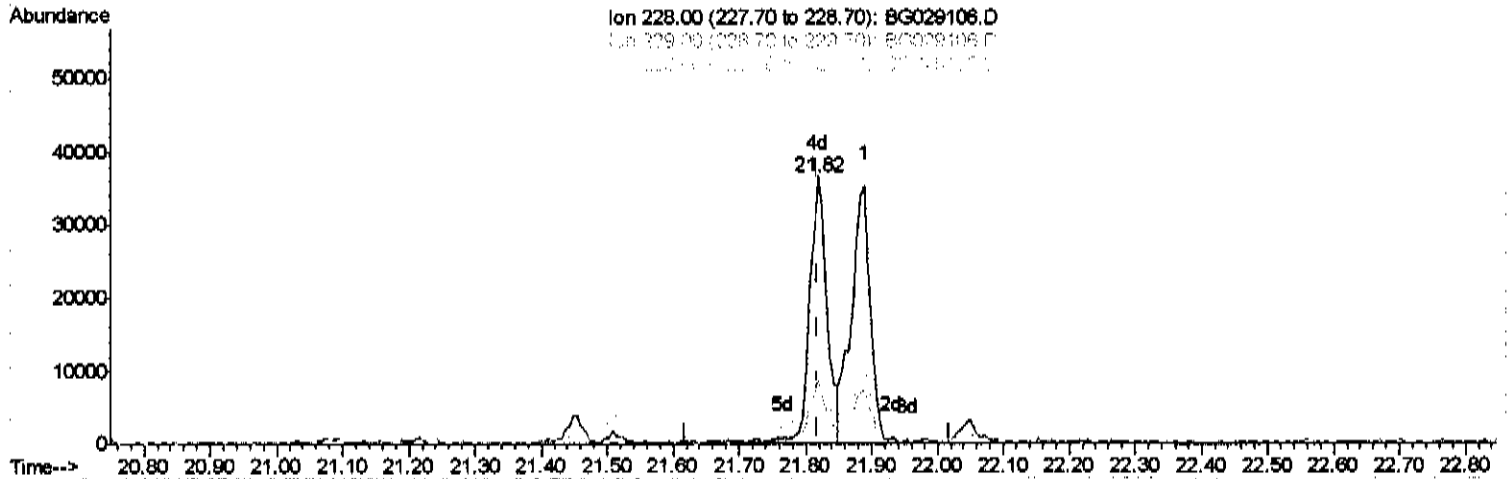
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(20) Benzo(a)anthracene

21.818min (+0.001) 3.39ng/ul m

response 65695

Ion	Exp%	Act%
228.00	100	100
229.00	19.60	24.41#
226.00	26.40	27.84
0.00	0.00	0.00

Instrument :

BNA_G

ClientSampleId :

DAGC5MSD

Manual Integrations

APPROVED

Sohil

10/10/2017 5:03:28 PM

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Data File : BG029106.D

Acc On : 9 Oct 2017 13:59

Operator : SJ/JU

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Misc :

ALS Vial : 6 Sample Multiplier: 1

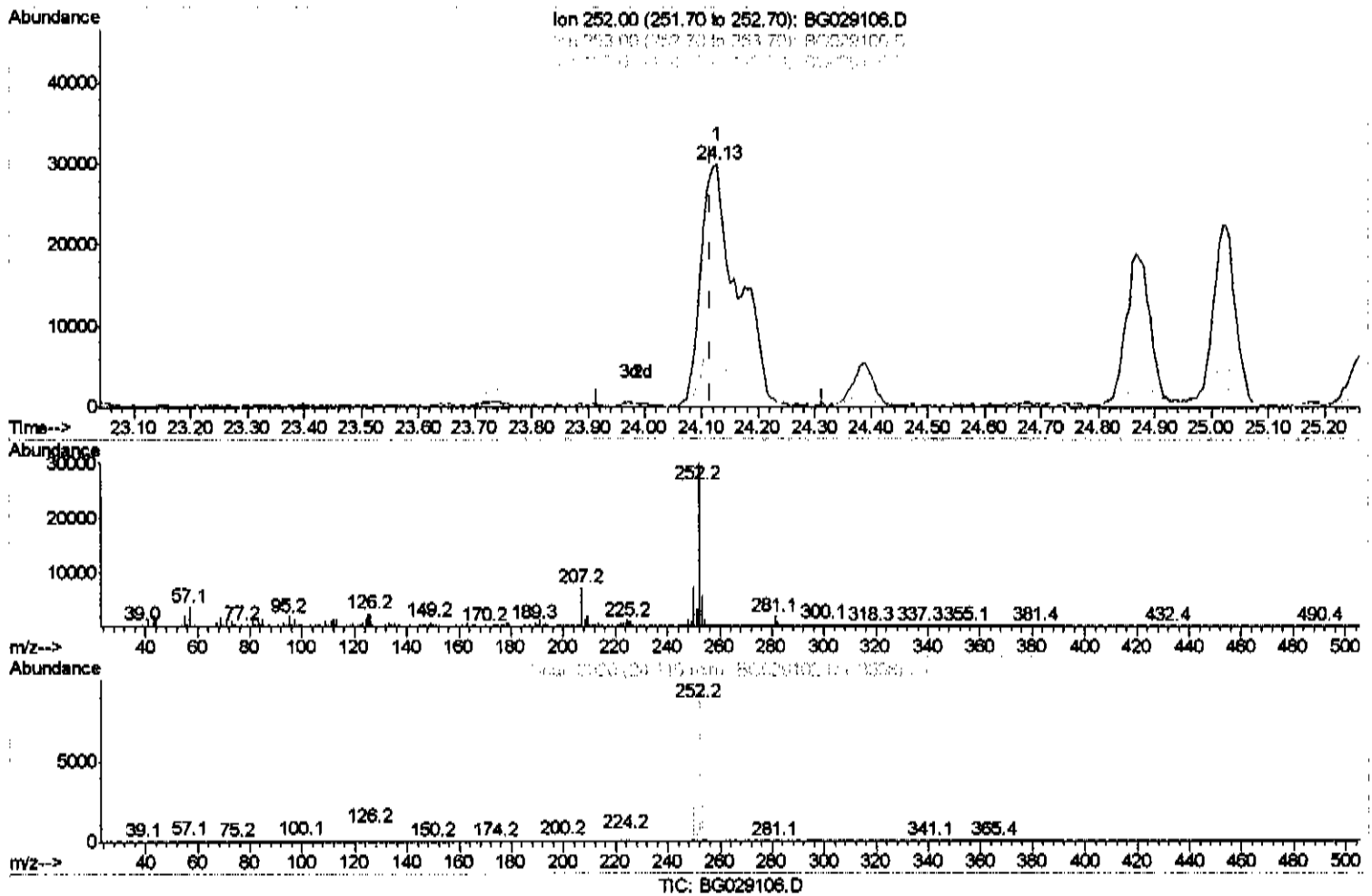
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OLast Update : Tue Oct 10 04:45:55 2017

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lon 252.00 (251.70 to 252.70): BG029106.D

194 763 00 (192 70 to 763 70) R0529106 5

the 1990s, the number of people in the world who are illiterate has increased from 1.2 billion to 1.5 billion. The number of illiterate people in the world is expected to increase to 1.7 billion by the year 2015. The number of illiterate people in the world is expected to increase to 1.9 billion by the year 2020. The number of illiterate people in the world is expected to increase to 2.1 billion by the year 2025. The number of illiterate people in the world is expected to increase to 2.3 billion by the year 2030. The number of illiterate people in the world is expected to increase to 2.5 billion by the year 2035. The number of illiterate people in the world is expected to increase to 2.7 billion by the year 2040. The number of illiterate people in the world is expected to increase to 2.9 billion by the year 2045. The number of illiterate people in the world is expected to increase to 3.1 billion by the year 2050. The number of illiterate people in the world is expected to increase to 3.3 billion by the year 2055. The number of illiterate people in the world is expected to increase to 3.5 billion by the year 2060. The number of illiterate people in the world is expected to increase to 3.7 billion by the year 2065. The number of illiterate people in the world is expected to increase to 3.9 billion by the year 2070. The number of illiterate people in the world is expected to increase to 4.1 billion by the year 2075. The number of illiterate people in the world is expected to increase to 4.3 billion by the year 2080. The number of illiterate people in the world is expected to increase to 4.5 billion by the year 2085. The number of illiterate people in the world is expected to increase to 4.7 billion by the year 2090. The number of illiterate people in the world is expected to increase to 4.9 billion by the year 2095. The number of illiterate people in the world is expected to increase to 5.1 billion by the year 2100.

Time--> 23.10 23.20 23.30 23.40 23.50 23.60 23.70 23.80 23.90 24.00 24.10 24.20 24.30 24.40 24.50 24.60 24.70 24.80 24.90 25.00 25.10 25.20

Abundance

m/z-->

Abundance

m/z-->

TIC: BG029106.D

Abundance

m/z-->

39.0 57.1 77.2 95.2 126.2 149.2 170.2 189.3 207.2 225.2 252.2 281.1 300.1 318.3 337.3 355.1 381.4 432.4 490.4

Total Ion Chromatogram (TIC) for sample BG029106.D

Abundance

m/z-->

39.1 57.1 75.2 100.1 126.2 150.2 174.2 200.2 224.2 252.2 281.1 341.1 365.4

TIC: BG029106.D

Abundance

m/z-->

40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500

5000

0

39.1 57.1 75.2 100.1 126.2 150.2 174.2 200.2 224.2 252.2 281.1 341.1 365.4

m/z-->

40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500

TIC: BG029106.D

Abundance

5000

0

39.1 57.1 75.2 100.1 126.2 150.2 174.2 200.2 224.2 252.2 281.1 341.1 365.4

m/z-->

TIC: BG029106.D

40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500
TIC: BG029106.D

TTC: BG029106.D

(23) Benzo(b)fluoranthene

24.127min (+0.012) 6.76ng/ul

response 134963

Ion	Exp%	Act%
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252.00	100	100
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253.00	22.50	19.18
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125,00	10,00	8,35
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0.00	0.00	0.00
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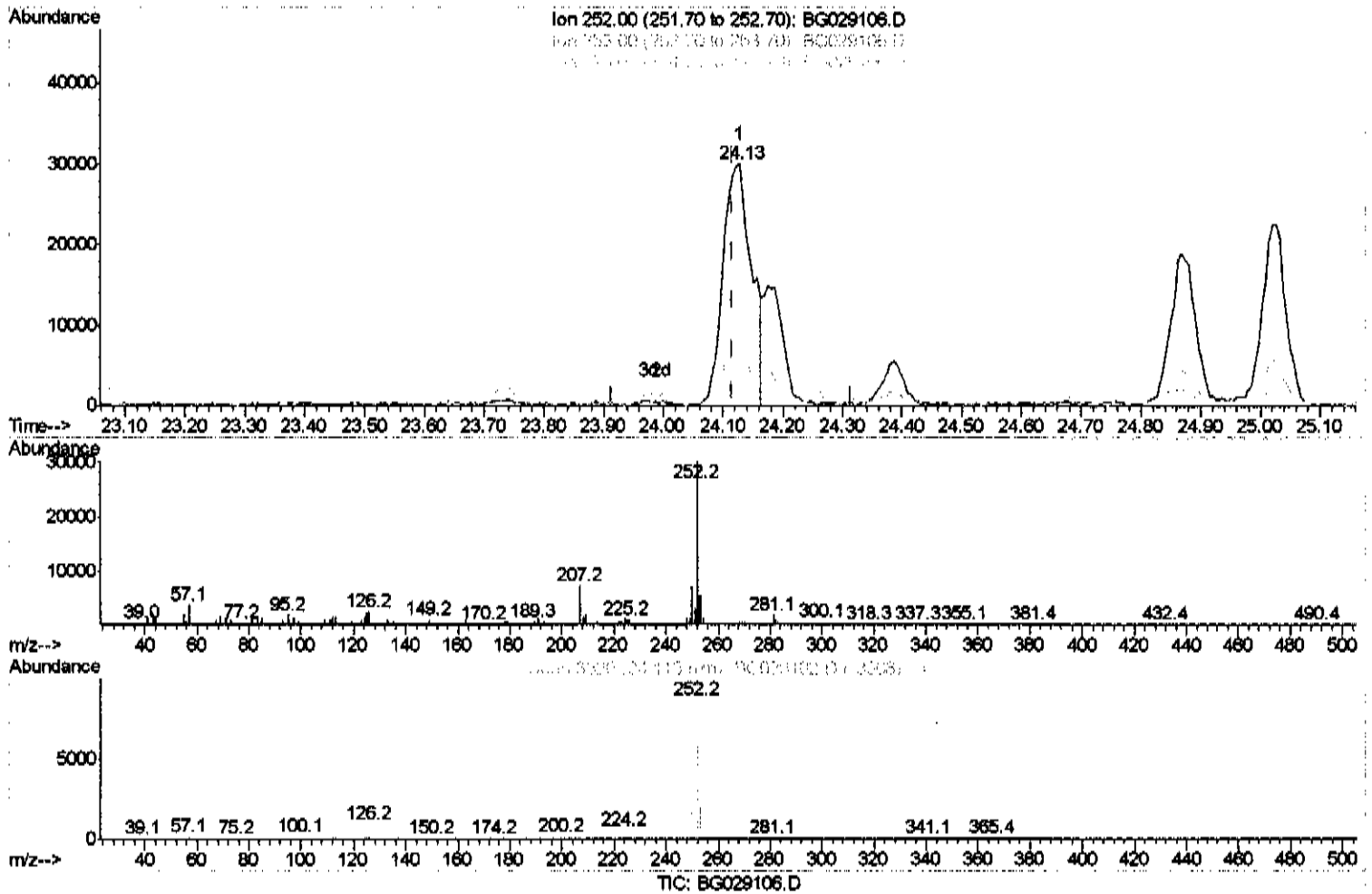
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(23) Benzo(b)fluoranthene

24.127min (+0.012) 5.04ng/ul m

response 100541

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	19.18
125.00	10.00	8.35
0.00	0.00	0.00

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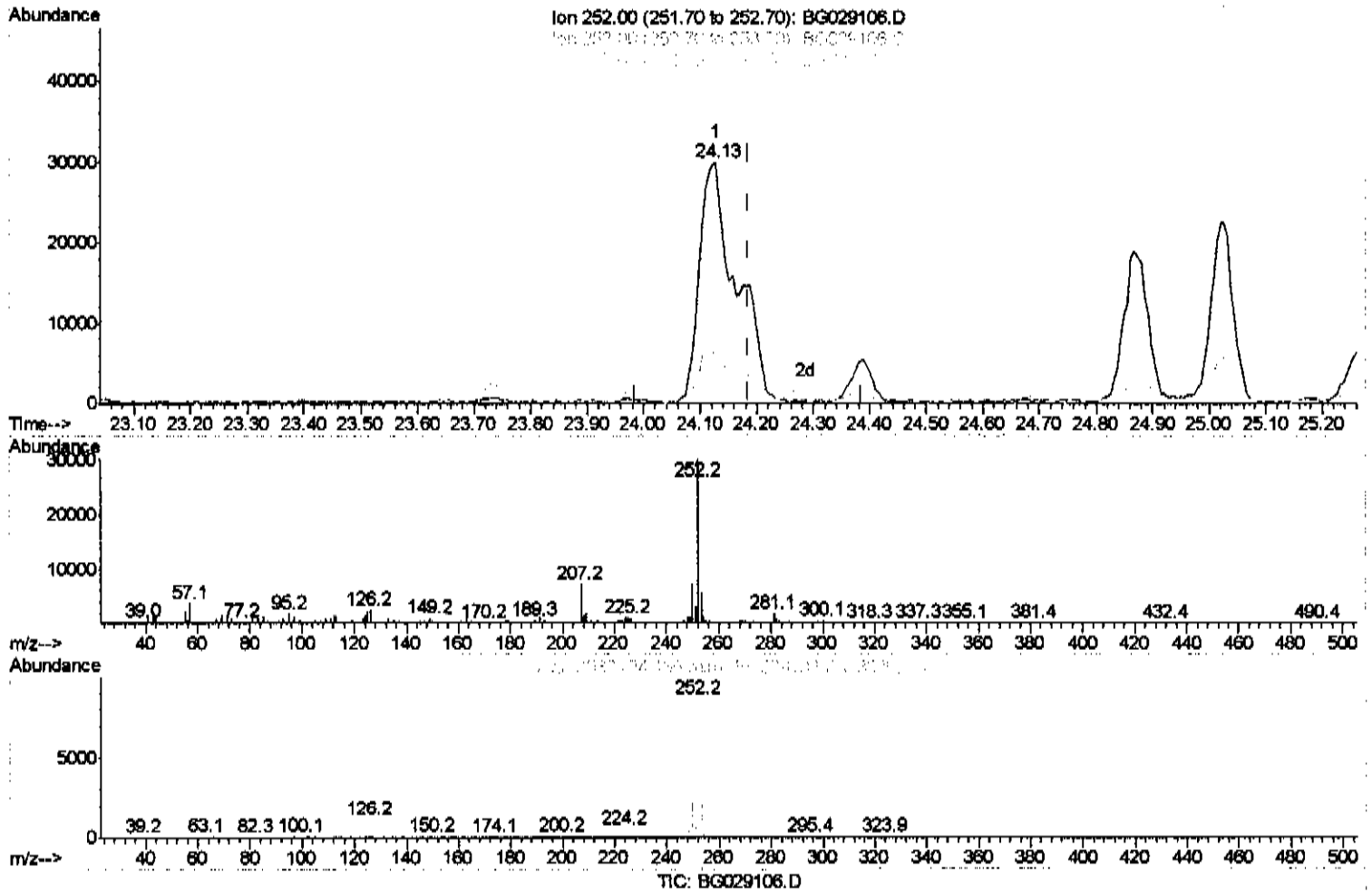
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(24) Benzo(k)fluoranthene

24.127min (-0.058) 6.93ng/ul

response 134963

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	19.18
125.00	10.10	8.35
0.00	0.00	0.00

Quantitation Report (Qedit)

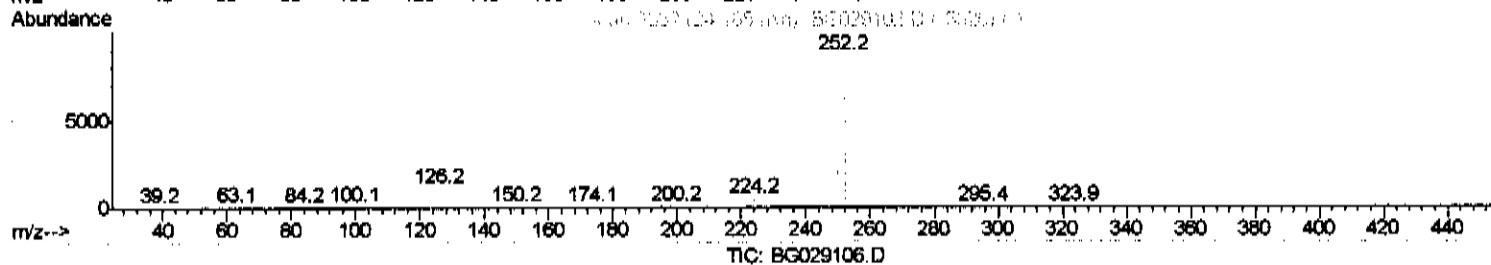
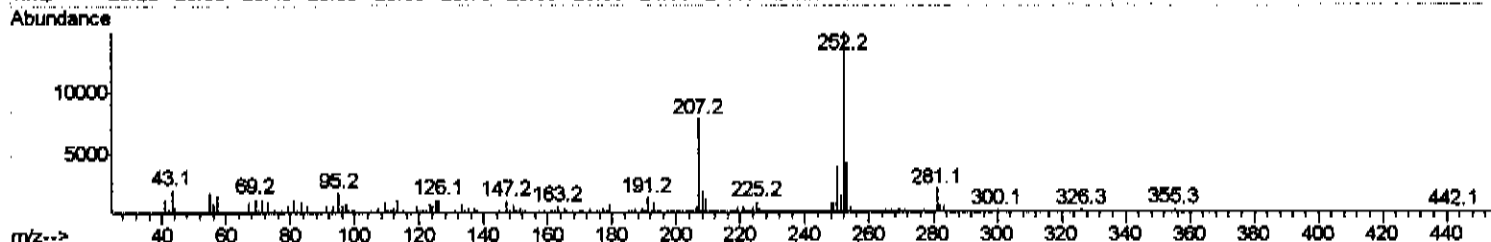
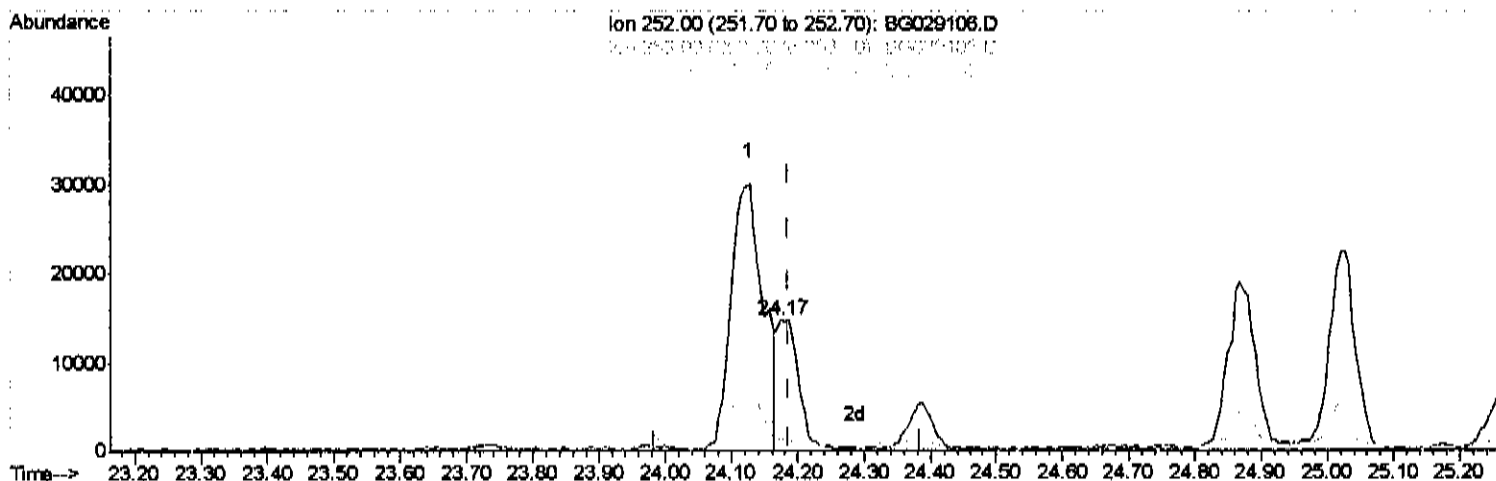
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 Operator : SJ/JU
 Sample : I5578-03MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 DAGC5MSD

Manual Integrations
 APPROVED

Sohil
 10/10/2017 5:03:28 PM

Quant Time: Oct 10 05:24:23 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 04:45:55 2017
 Response via : Initial Calibration



(24) Benzo(k)fluoranthene

24.174min (-0.011) 1.75ng/ul m *ju 10/11/17*

response 34133

Ion	Exp%	Act%
252.00	100	100
253.00	22.50	28.89#
125.00	10.10	8.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Instrument :
BNA_G
Client Sampled :
DAGC5MSD

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100917\
Data File : BG029106.D
Acq On : 9 Oct 2017 13:59
Operator : SJ/JU
Sample : I5578-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Manual Integrations
APPROVED

Sohil
10/10/2017 5:03:28 PM

Quant Time: Oct 10 05:26:56 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM-EPA-BG100717MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 04:45:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	42038	20.00	ng/ul	0.00
2) Naphthalene-d8	11.03	136	195216	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.82	164	131114	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.56	188	308674m	20.00	ng/ul	0.00
17) Chrysene-d12	21.84	240	329233m	20.00	ng/ul	0.00
22) Perylene-d12	25.18	264	333592	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.52	160	500022	36.67	ng/ul	0.00
10) Fluorene-d10	15.81	176	374350	37.85	ng/ul	0.00
14) Anthracene-d10	17.66	188	538309	36.00	ng/ul	0.00
18) Pyrene-d10	19.93	212	650892	38.64	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.96	264	611570	38.27	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) 2-Methylnaphthalene	12.67	142	8451	1.096	ng/ul#	78
5) 1-Methylnaphthalene	12.89	142	7564	1.027	ng/ul	97
9) Acenaphthene	14.89	153	301499	33.743	ng/ul	96
13) Phenanthrene	17.60	178	56438m	3.428	ng/ul	
16) Fluoranthene	19.60	202	113359m	5.873	ng/ul	
19) Pyrene	19.96	202	745696m	36.335	ng/ul	
20) Benzo(a)anthracene	21.82	228	65695m	3.388	ng/ul	
21) Chrysene	21.89	228	68230	3.843	ng/ul	98
23) Benzo(b)fluoranthene	24.13	252	100541m	5.038	ng/ul	
24) Benzo(k)fluoranthene	24.17	252	34133m	1.752	ng/ul	
26) Benzo(a)pyrene	25.02	252	60973	3.146	ng/ul	95
27) Indeno(1,2,3-cd)pyrene	28.99	276	50798	2.309	ng/ul#	88
29) Benzo(a,h,i)perylene	30.18	276	43383	2.391	ng/ul#	94

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