

Quantitation Report (QT Reviewed)

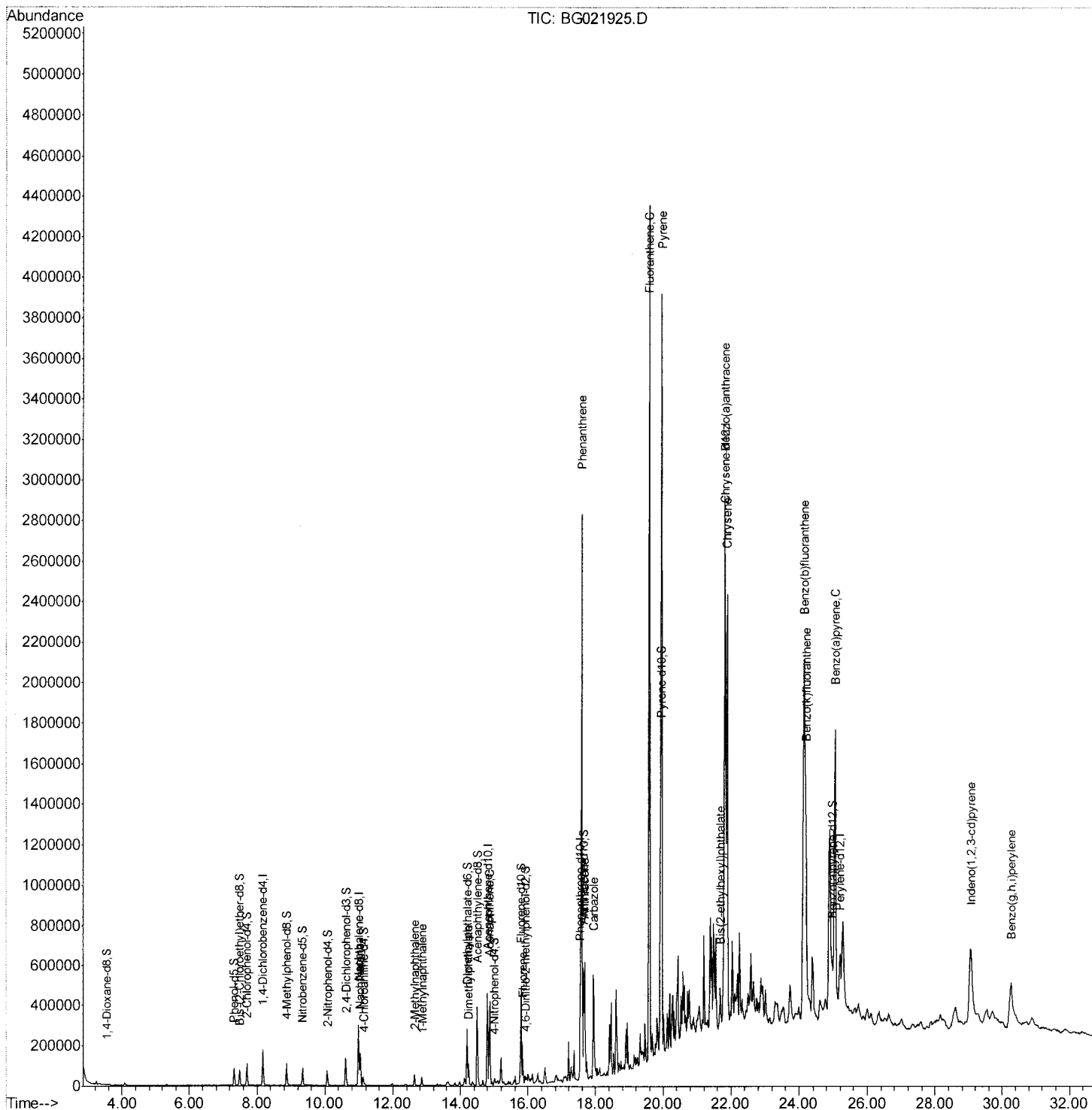
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA G
 ClientSampleId :
 D9XF8

Manual Integrations
 APPROVED

umangi
 5/17/2016 7:21:25 PM

Quant Time: May 17 04:48:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration



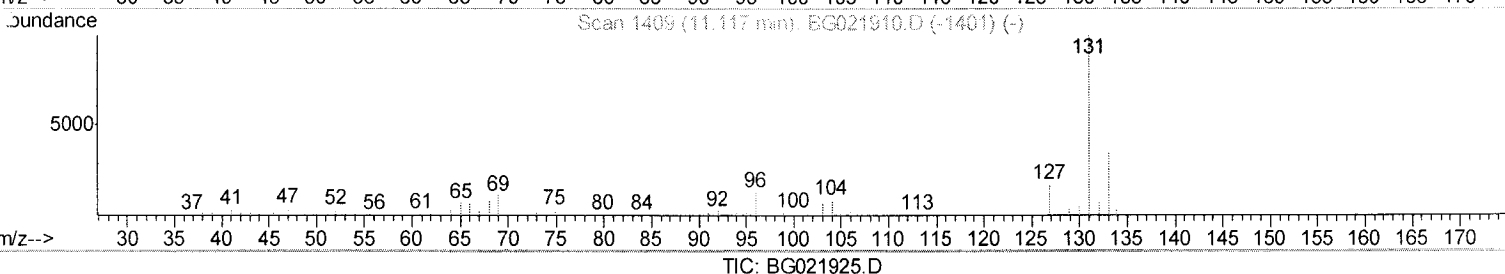
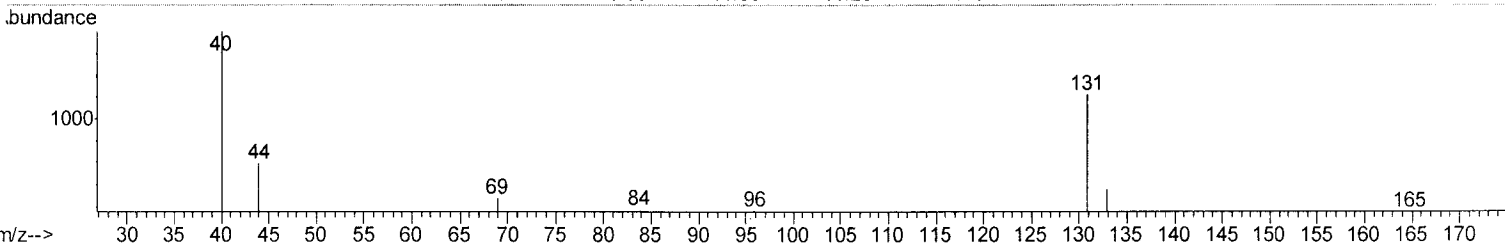
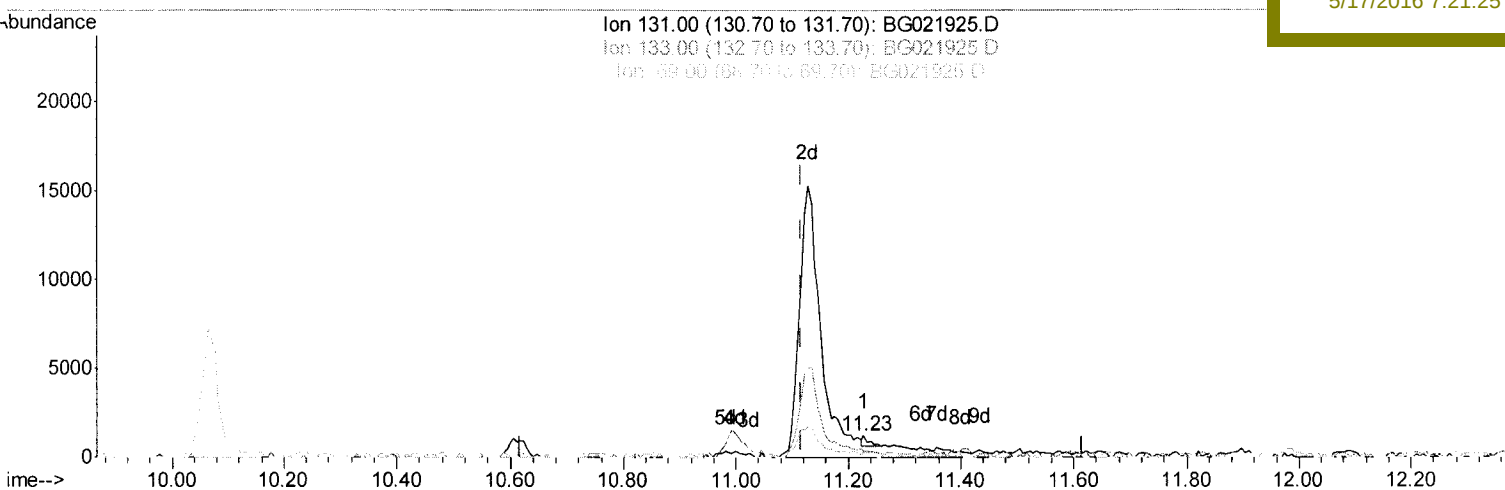
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021925.D
Acq On : 17 May 2016 3:25
Operator : UM/SJ
Sample : H3095-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 17 04:19:54 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 01:35:08 2016
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Manual Integrations
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TIC: BG021925.D

(29) 4-Chloroaniline-d4 (S)

11.228min (+0.112) 0.09ng/ul

response 392

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	28.72
69.00	23.00	22.42
0.00	0.00	0.00

Quantitation Report (Qedit)

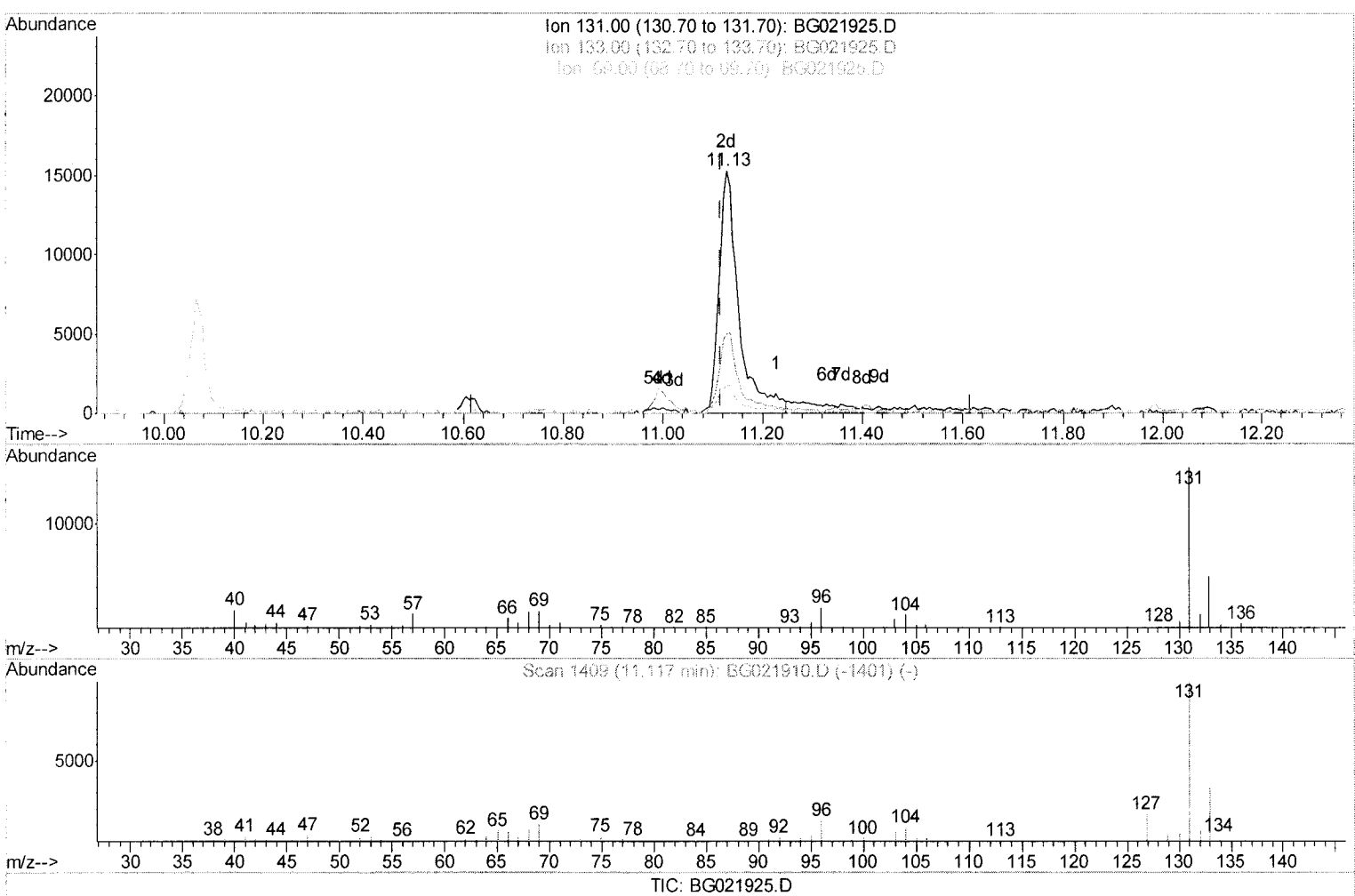
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
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 Operator : UM/SJ
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(29) 4-Chloroaniline-d4 (S)

11.128min (+0.012) 9.73ng/ul m

response 42167

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	32.64
69.00	23.00	11.27#
0.00	0.00	0.00

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Quantitation Report (Qedit)

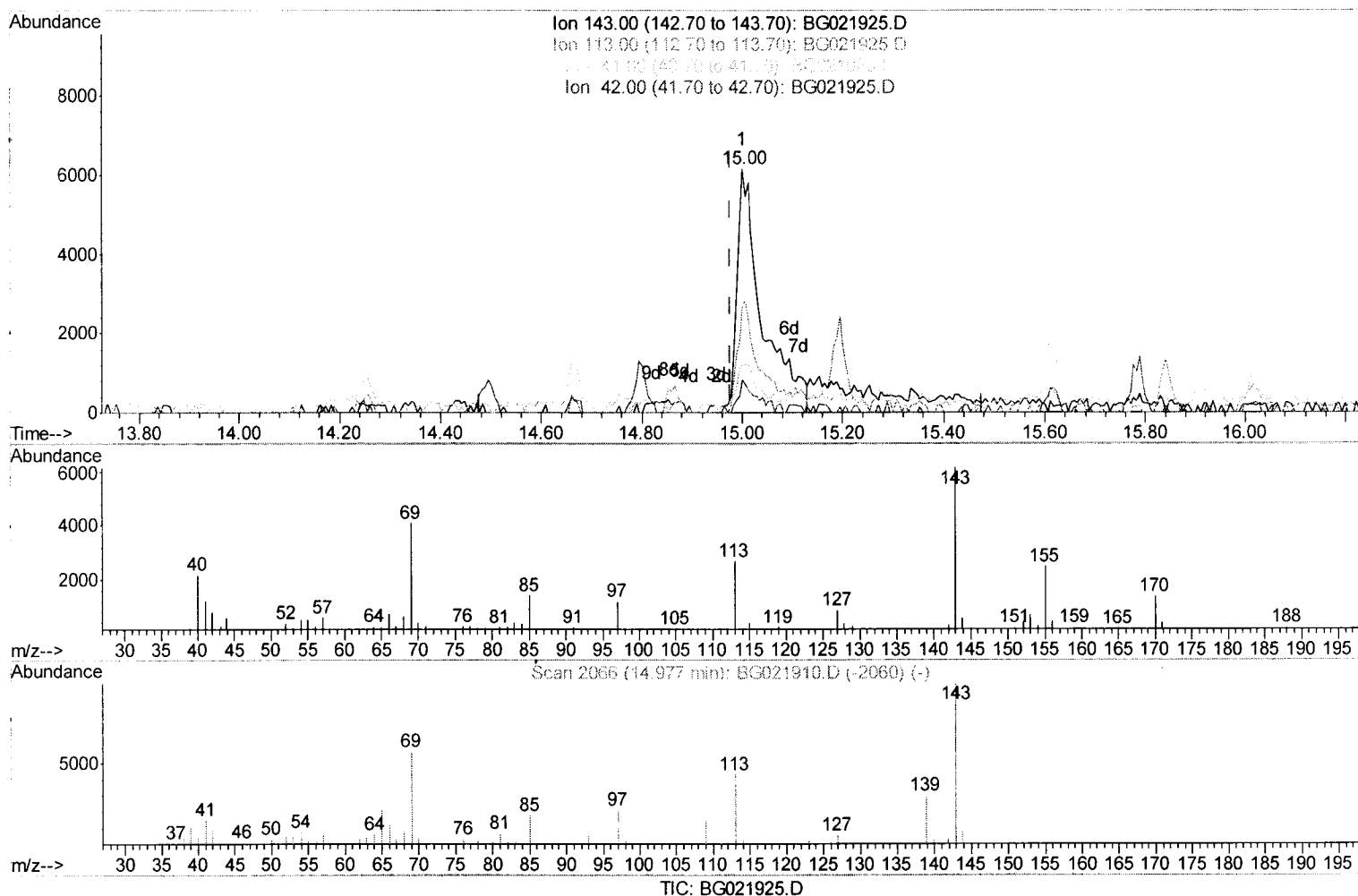
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
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(52) 4-Nitrophenol-d4 (S)

15.000min (+0.024) 9.75ng/ul m

response 21802

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	43.86#
41.00	49.70	19.65#
42.00	33.70	13.54#

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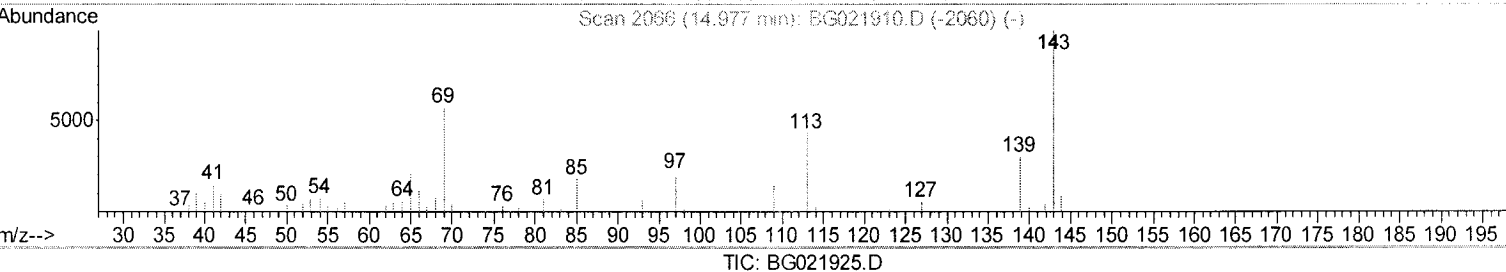
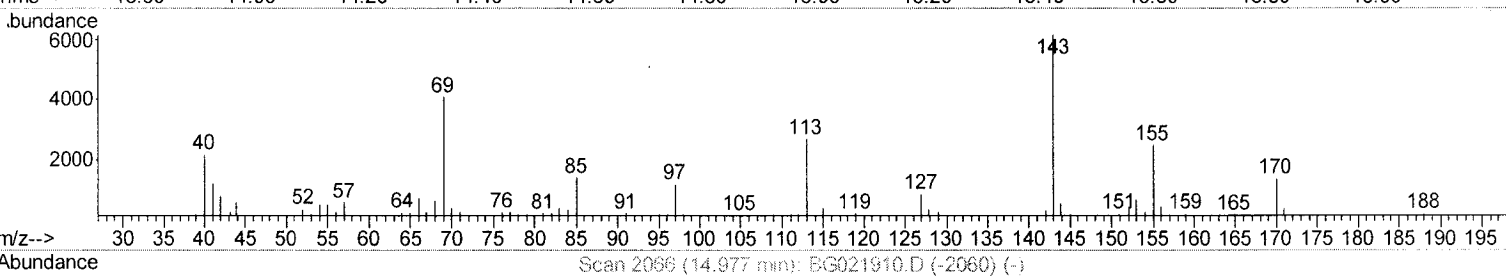
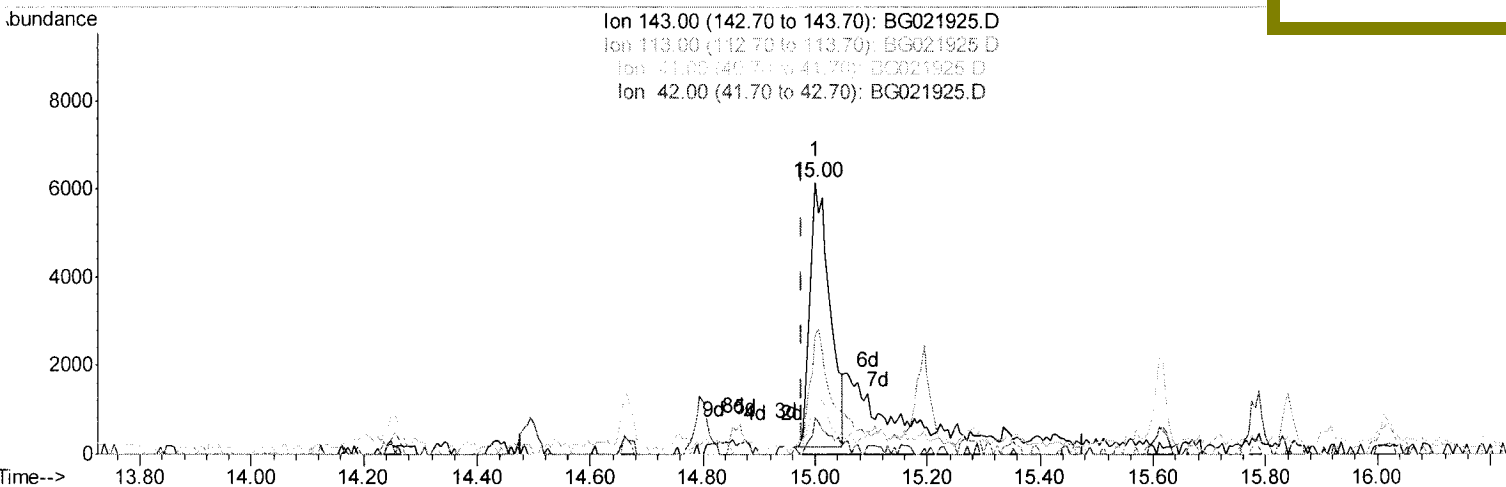
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(52) 4-Nitrophenol-d4 (S)

15.000min (+0.024) 6.65ng/ul

response 14879

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	43.86#
41.00	49.70	19.65#
42.00	33.70	13.54#

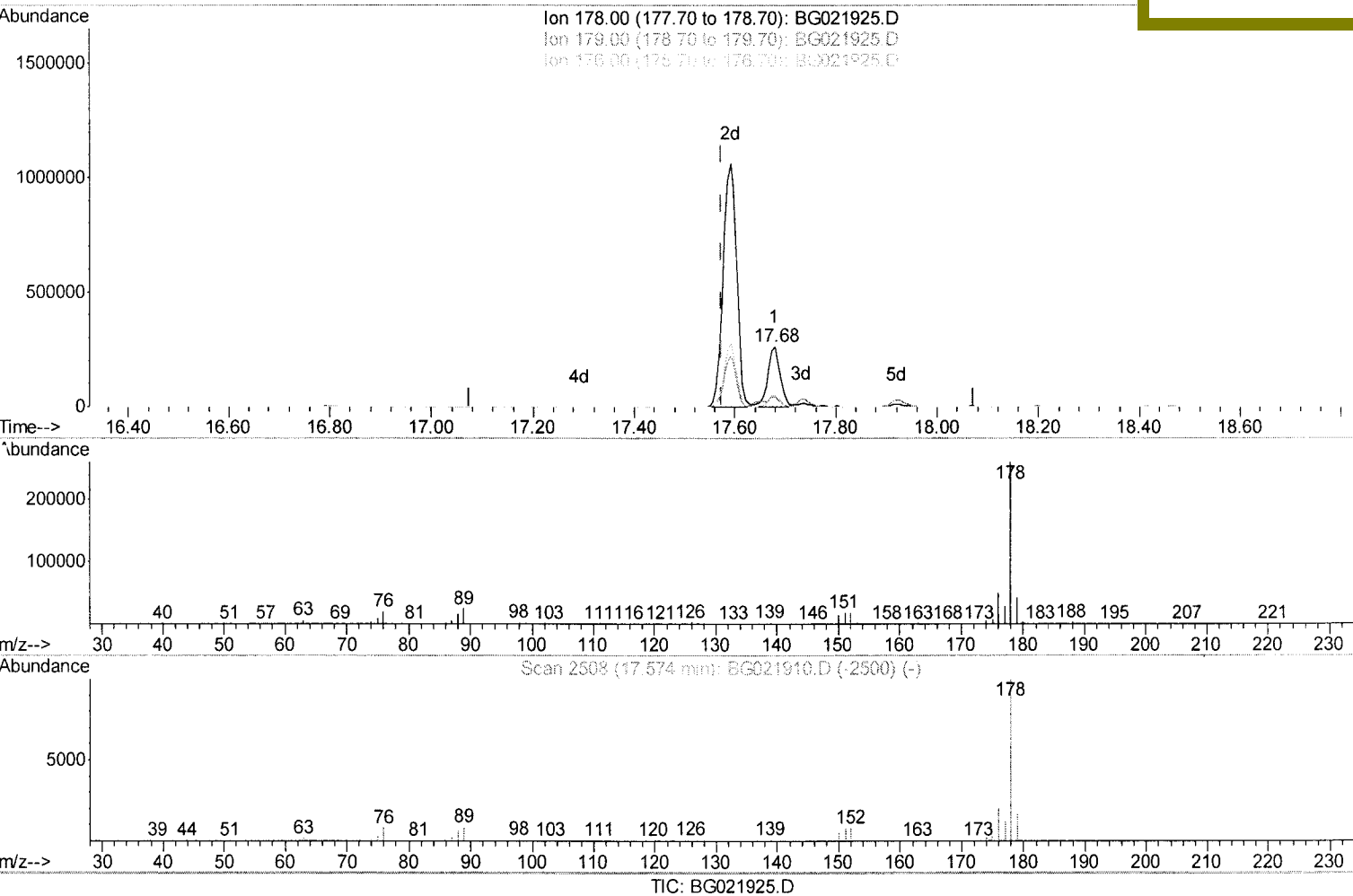
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
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(70) Phenanthrene

17.680min (+0.106) 21.89ng/ul

response 447037

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	16.54
176.00	18.50	19.29
0.00	0.00	0.00

Quantitation Report (Qedit)

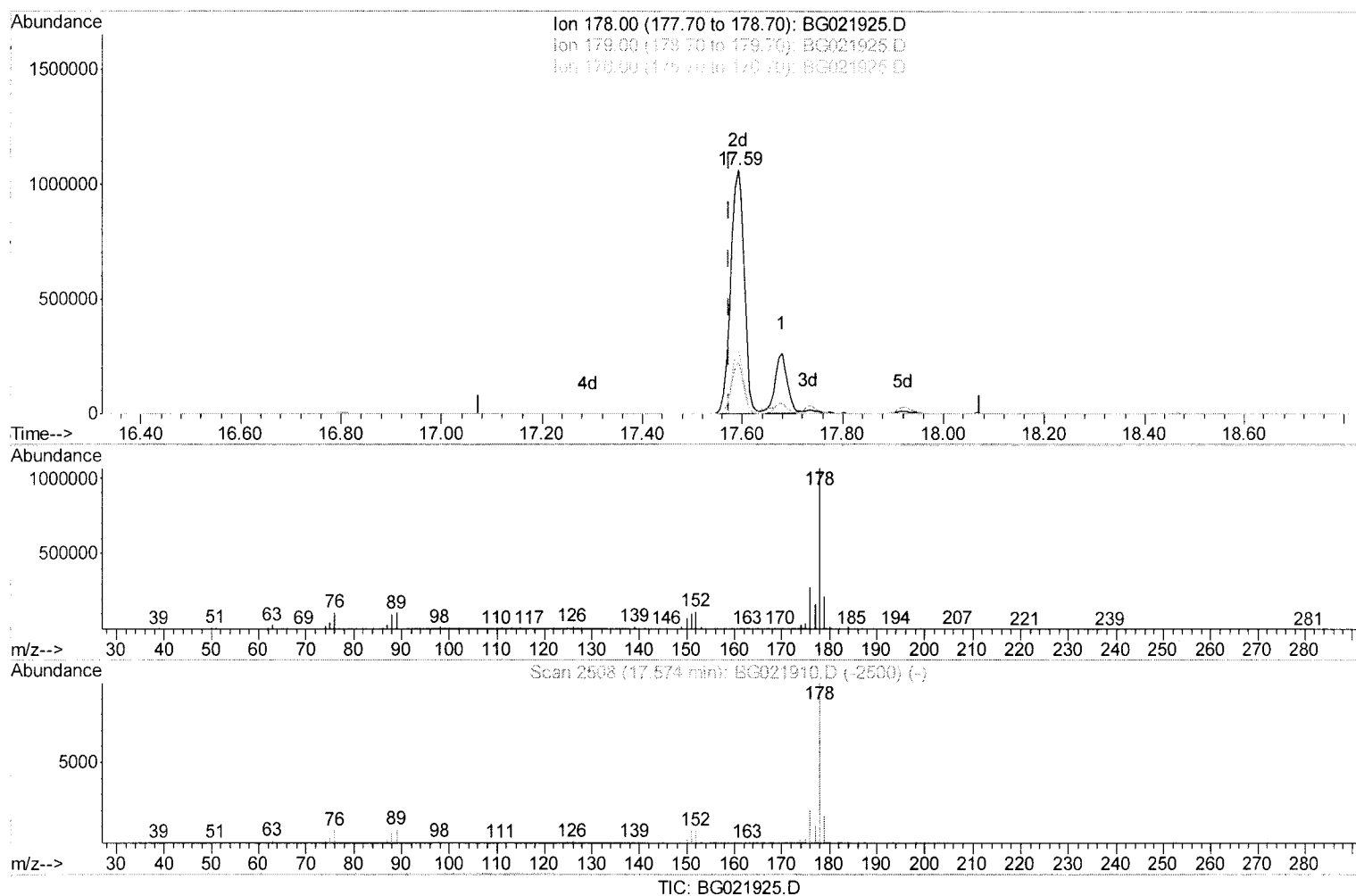
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(70) Phenanthrene

17.592min (+0.018) 97.42ng/ul m > $\frac{U.M}{05/18/16}$

response 1989233

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	20.83#
176.00	18.50	25.86#
0.00	0.00	0.00

Quantitation Report (Qedit)

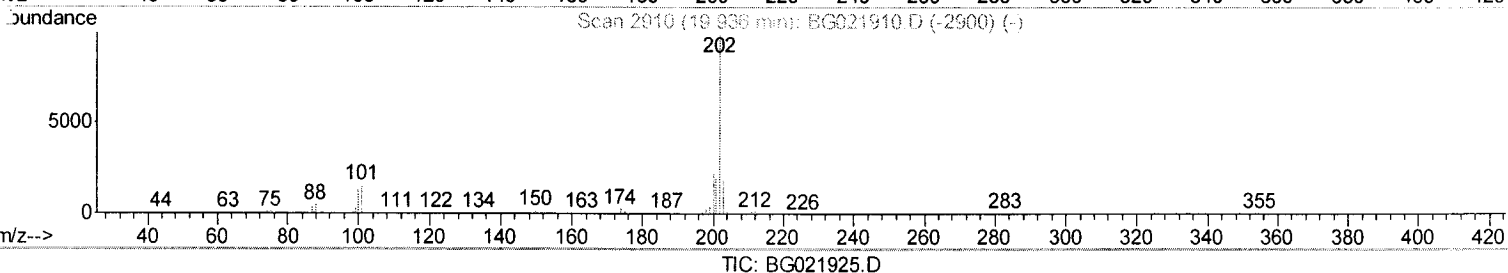
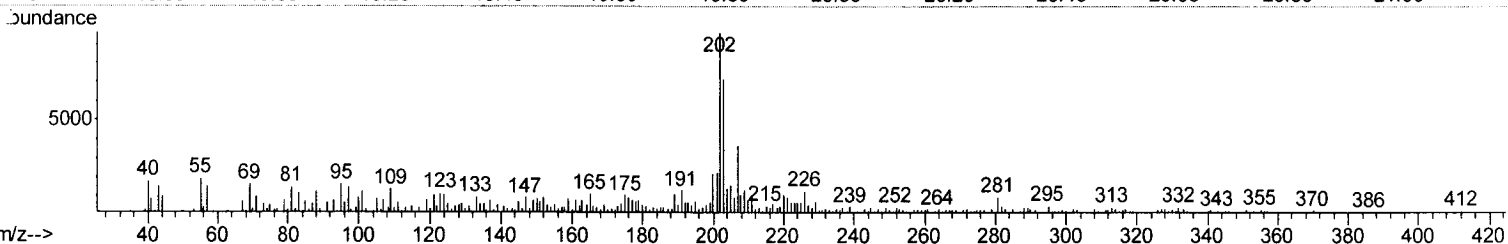
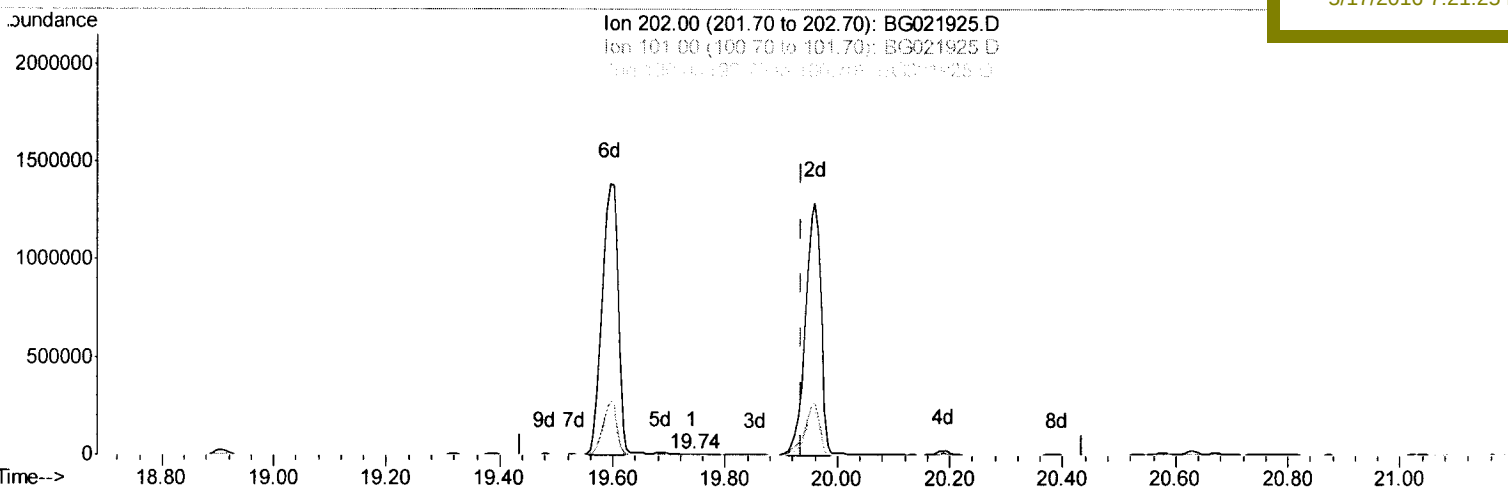
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(78) Pyrene

19.742min (-0.194) 0.35ng/ul

response 7692

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.35
100.00	11.60	9.99
0.00	0.00	0.00

Quantitation Report (Qedit)

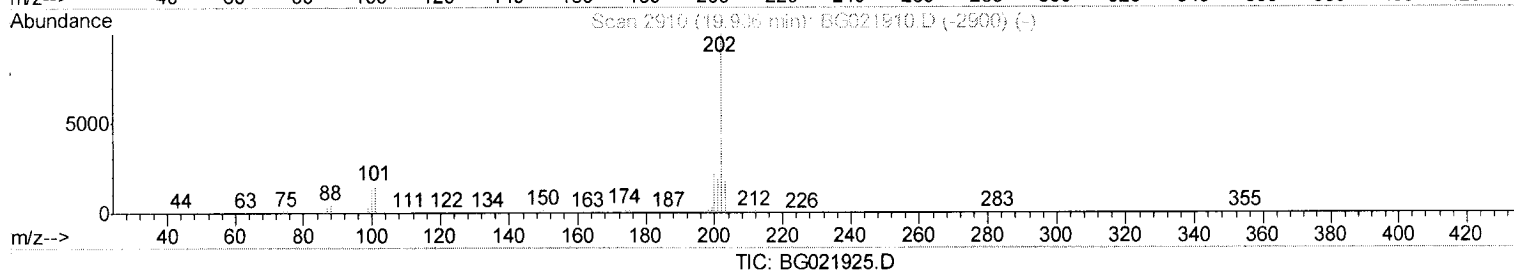
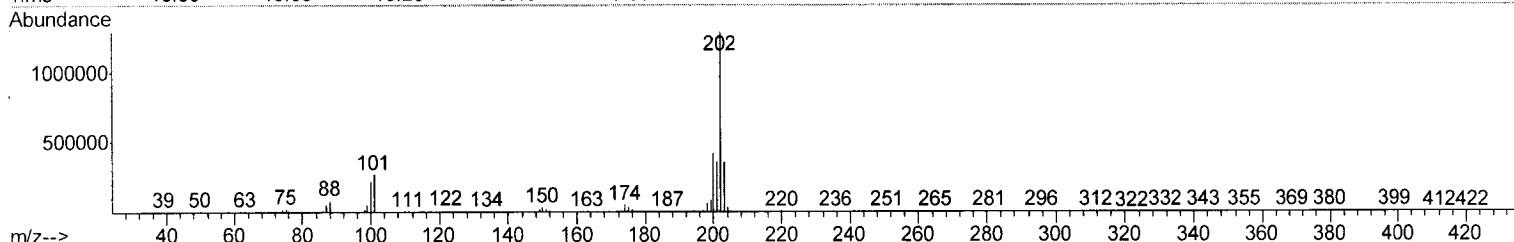
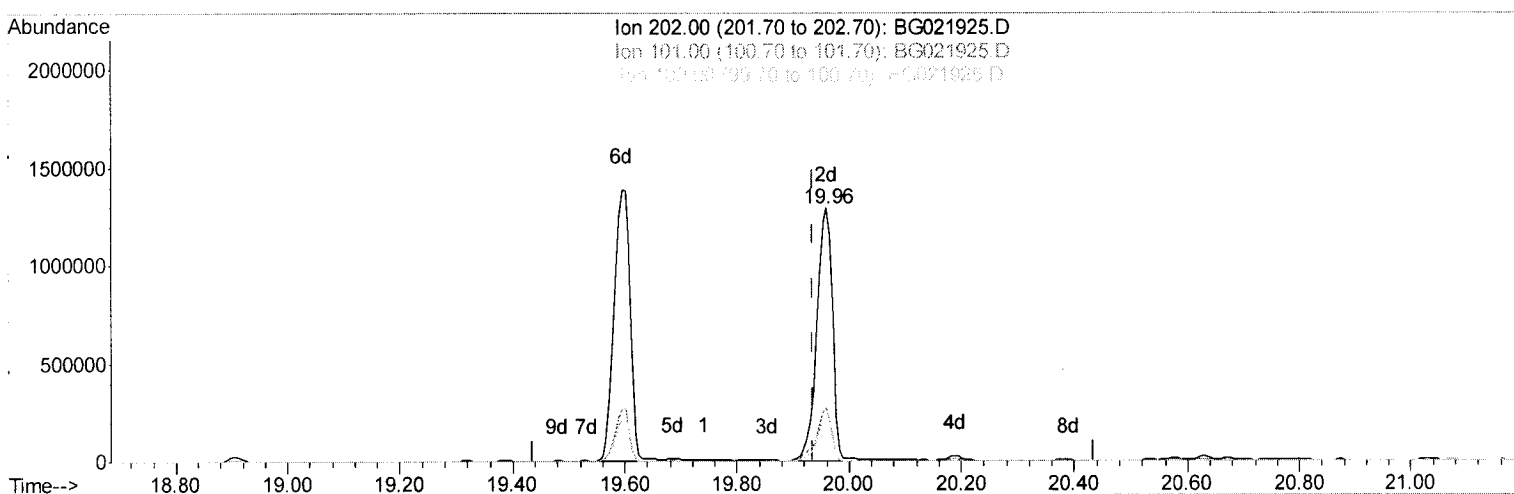
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 Data File : BG021925.D
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 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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(78) Pyrene

19.959min (+0.024) 115.36ng/ul m

response 2514499

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	21.10#
100.00	11.60	17.41#
0.00	0.00	0.00

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 05/18/16

Quantitation Report (Qedit)

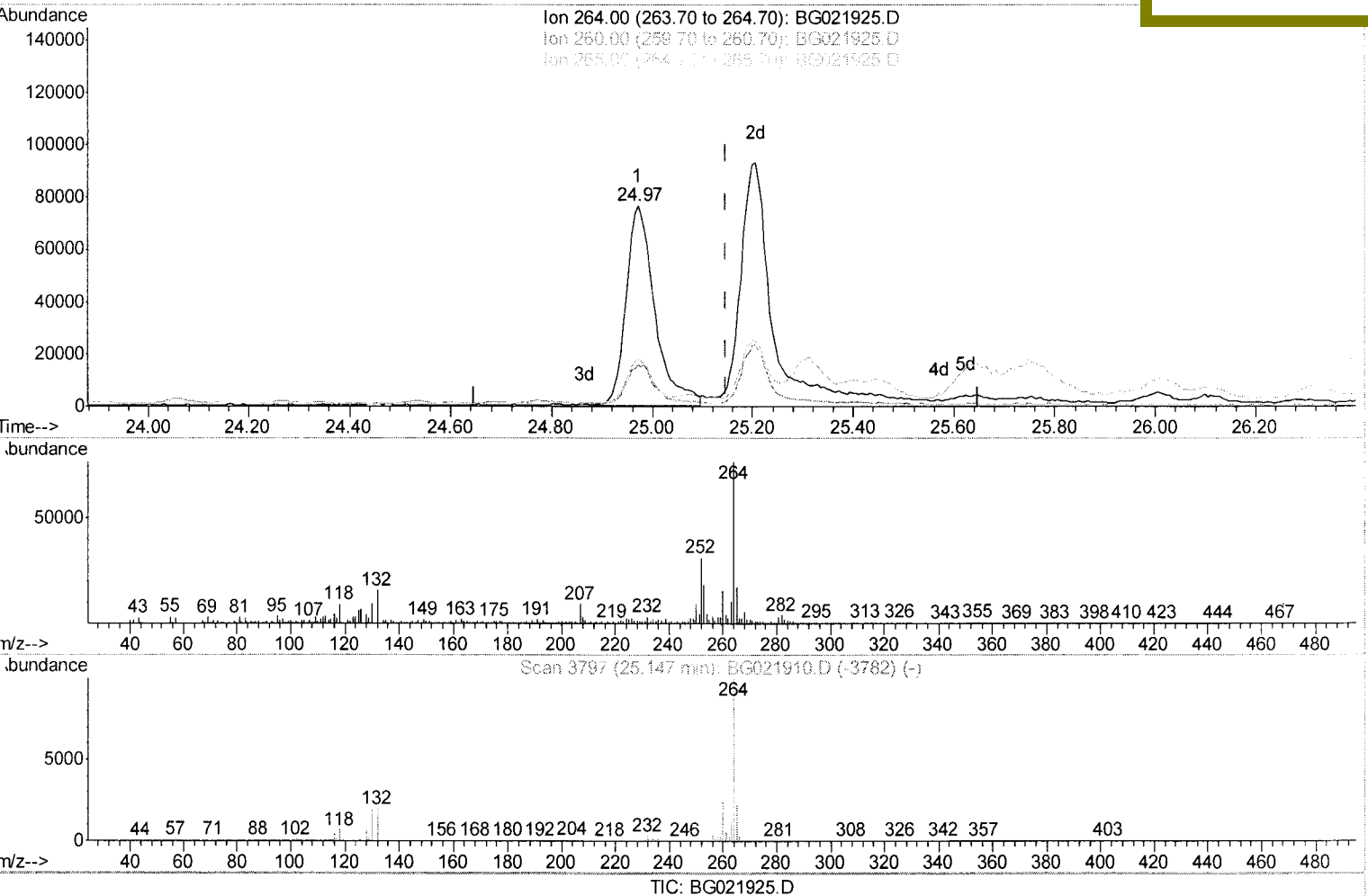
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(84) Perylene-d12 (I)

24.971min (-0.176) 20.00ng/ul

response 301550

Ion	Exp%	Act%
264.00	100	100
260.00	22.10	20.76
265.00	21.10	22.94
0.00	0.00	0.00

Quantitation Report (Qedit)

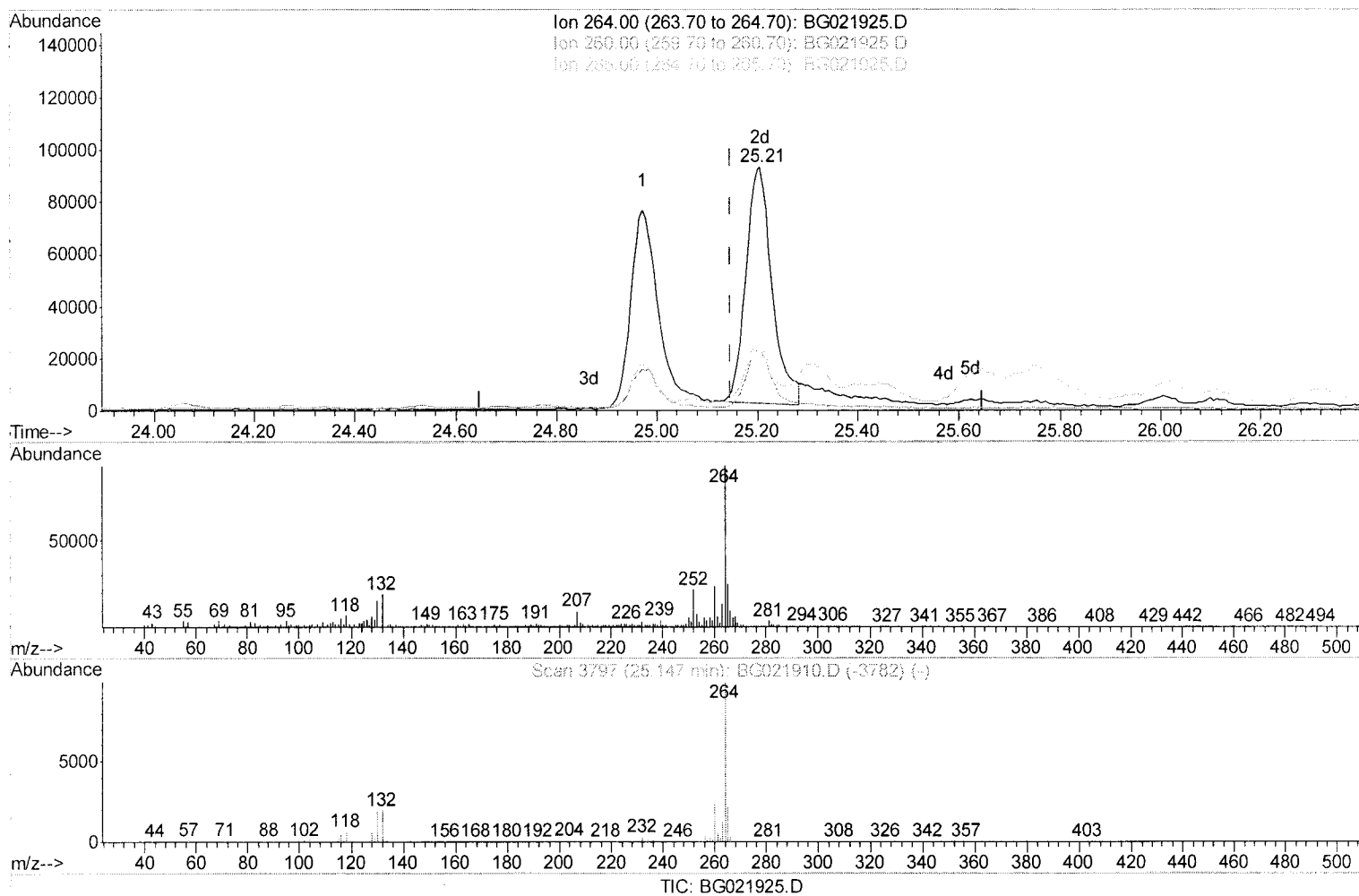
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Manual Integrations
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umangi
 5/17/2016 7:21:25 PM

Quant Time: May 17 04:19:54 2016
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 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration



(84) Perylene-d12 (I)

25.206min (+0.059) 20.00ng/ul m > $\frac{U.M}{05/18/16}$

response 330657

Ion	Exp%	Act%
264.00	100	100
260.00	22.10	25.31
265.00	21.10	27.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

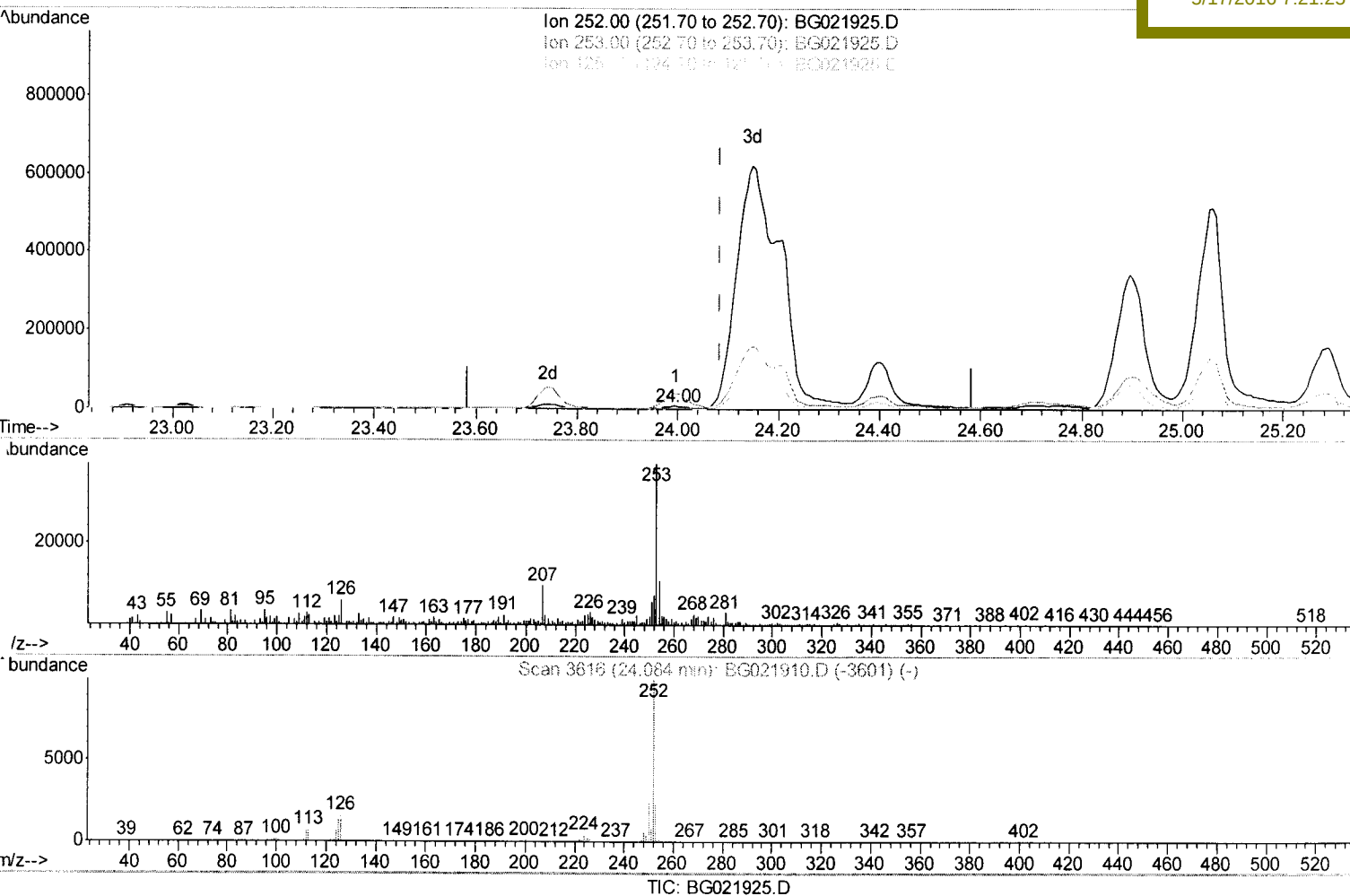
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Quant Time: May 17 04:46:28 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Manual Integrations
 APPROVED

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(86) Benzo(b)fluoranthene

23.996min (-0.088) 0.99ng/ul

response 18768

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	523.41#
125.00	9.50	29.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

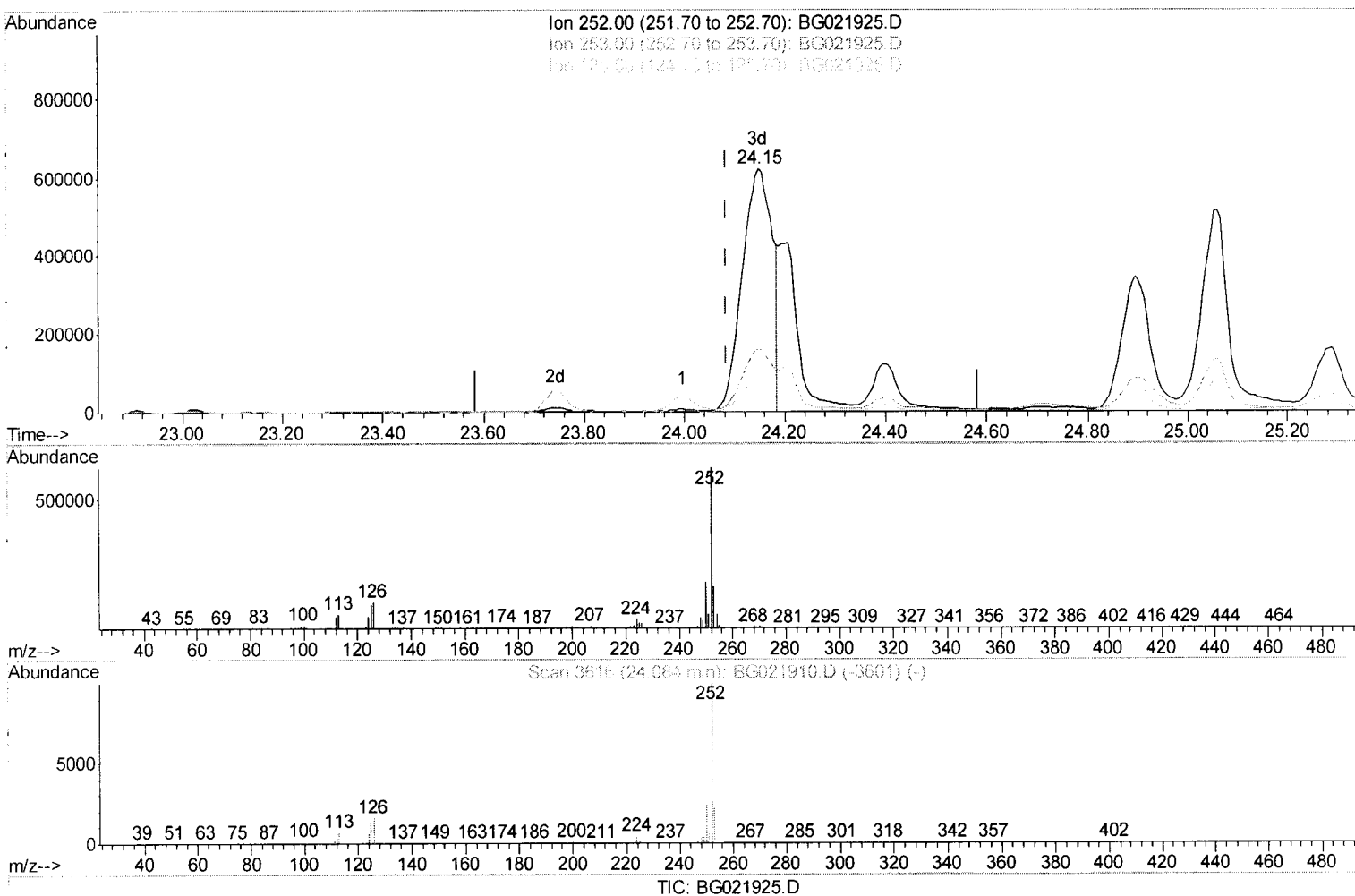
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

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 Response via : Initial Calibration



(86) Benzo(b)fluoranthene

24.149min (+0.065) 137.30ng/ul m

response 2598657

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	25.92
125.00	9.50	15.18#
0.00	0.00	0.00

U.M
 05/18/16

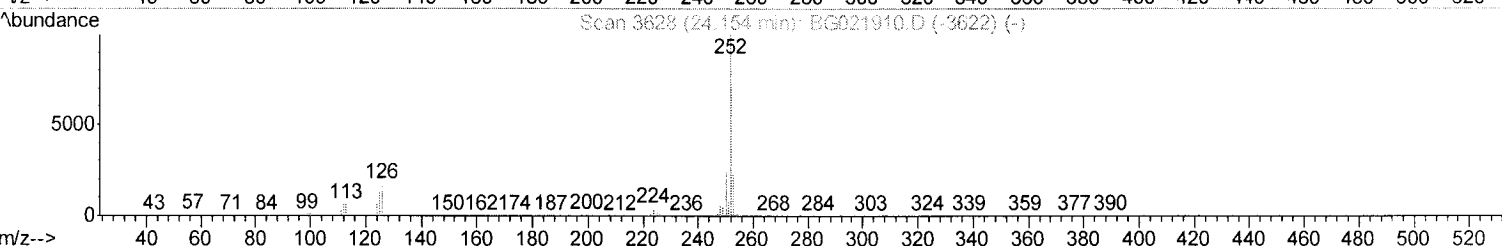
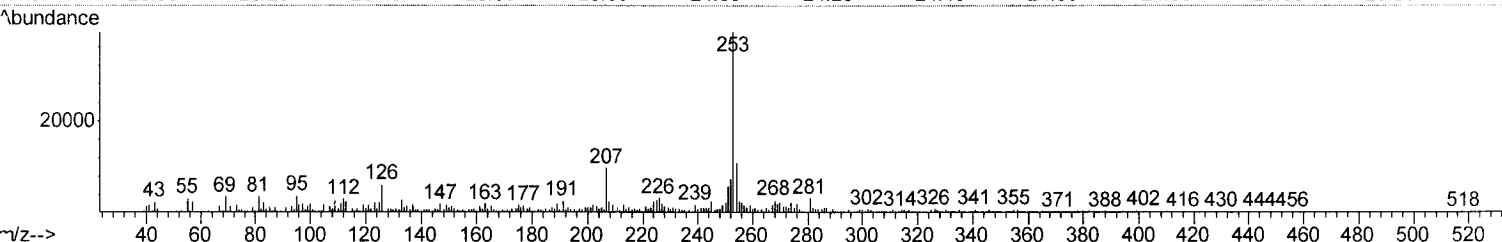
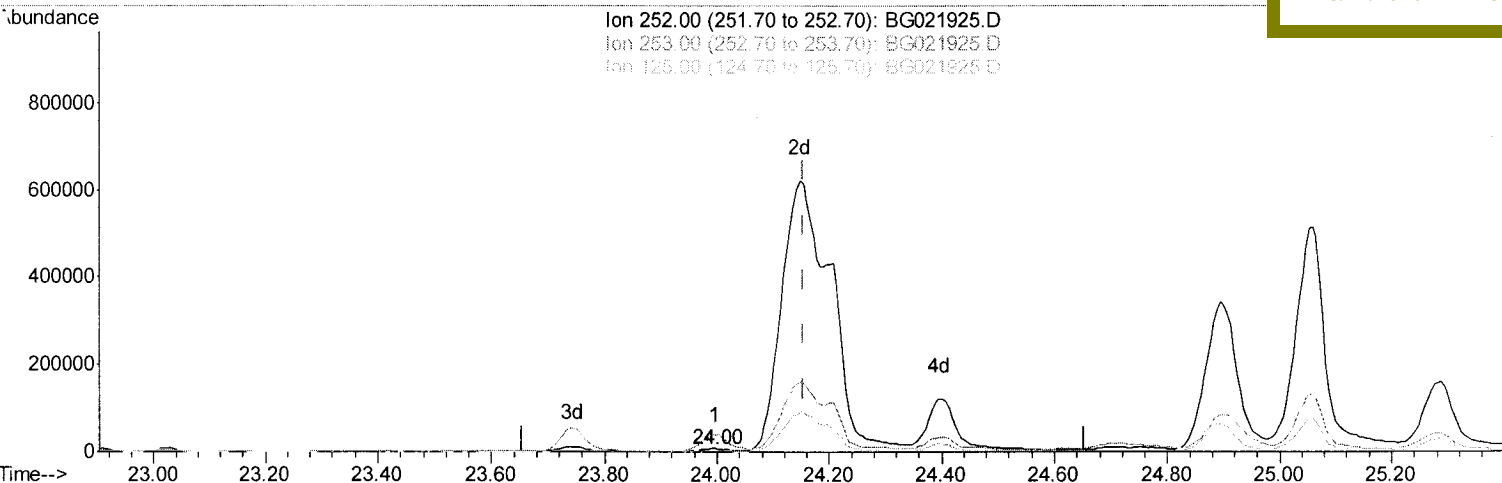
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TIC: BG021925.D

(87) Benzo(k)fluoranthene

23.996min (-0.159) 0.93ng/ul

response 18768

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	523.41#
125.00	9.60	29.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

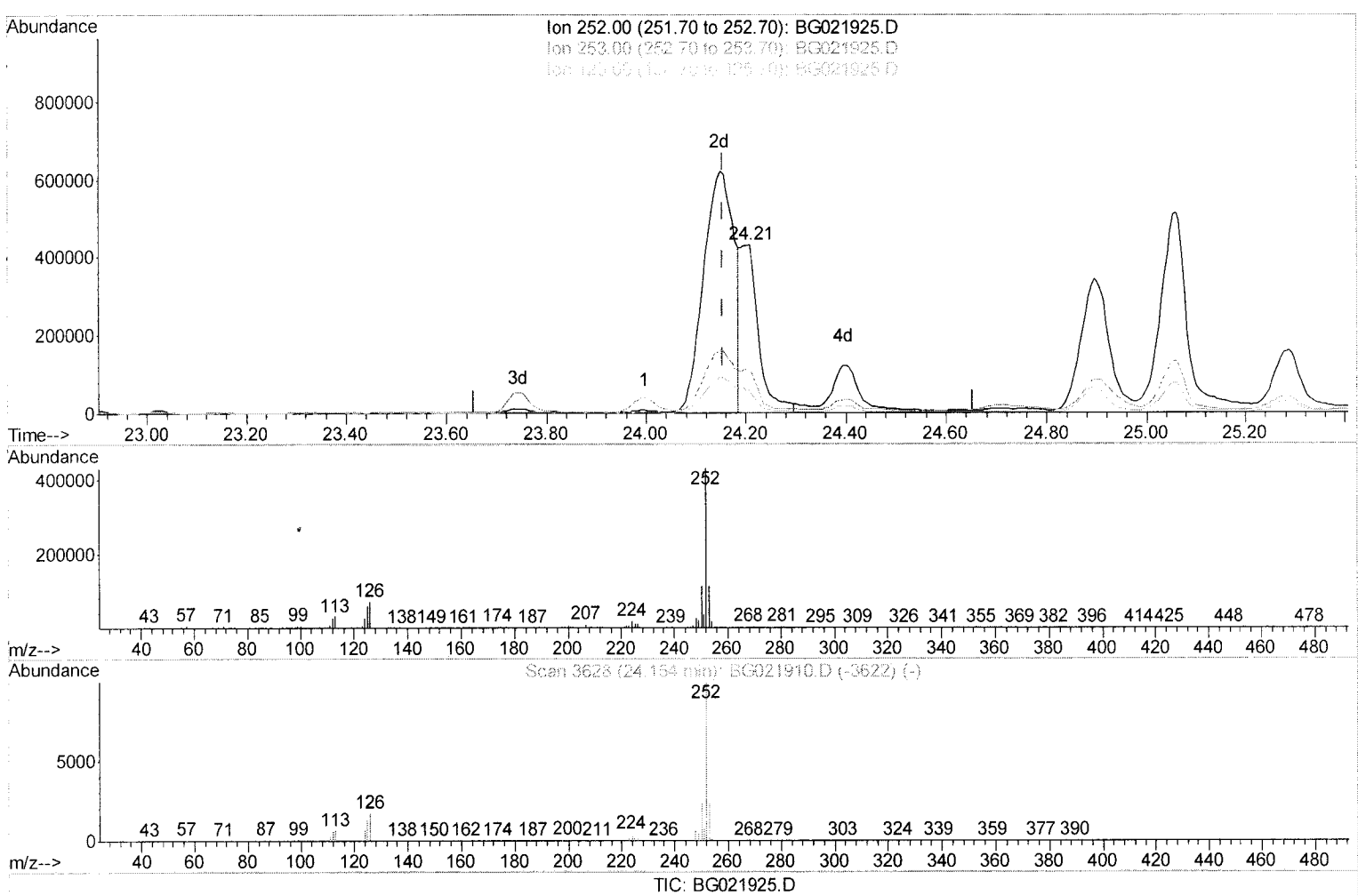
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(87) Benzo(k)fluoranthene

24.207min (+0.053) 55.55ng/ul m

response 1125566

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	26.19
125.00	9.60	13.66#
0.00	0.00	0.00

U.M
 05/18/16

Quantitation Report (Qedit)

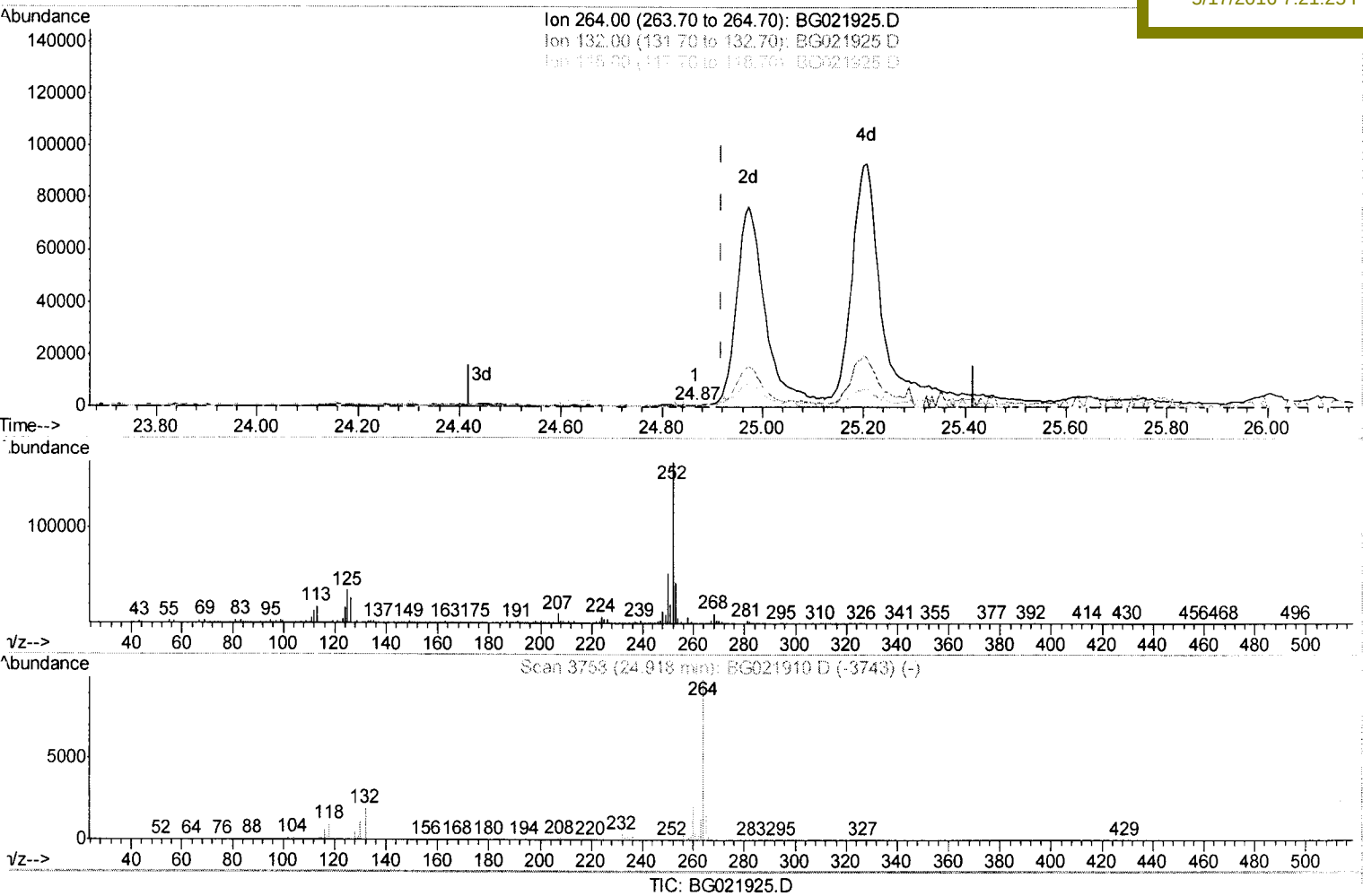
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(88) Benzo(a)pyrene-d12 (S)

24.865min (-0.053) 0.03ng/ul

response 444

Ion	Exp%	Act%
264.00	100	100
132.00	15.60	92.83#
118.00	9.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

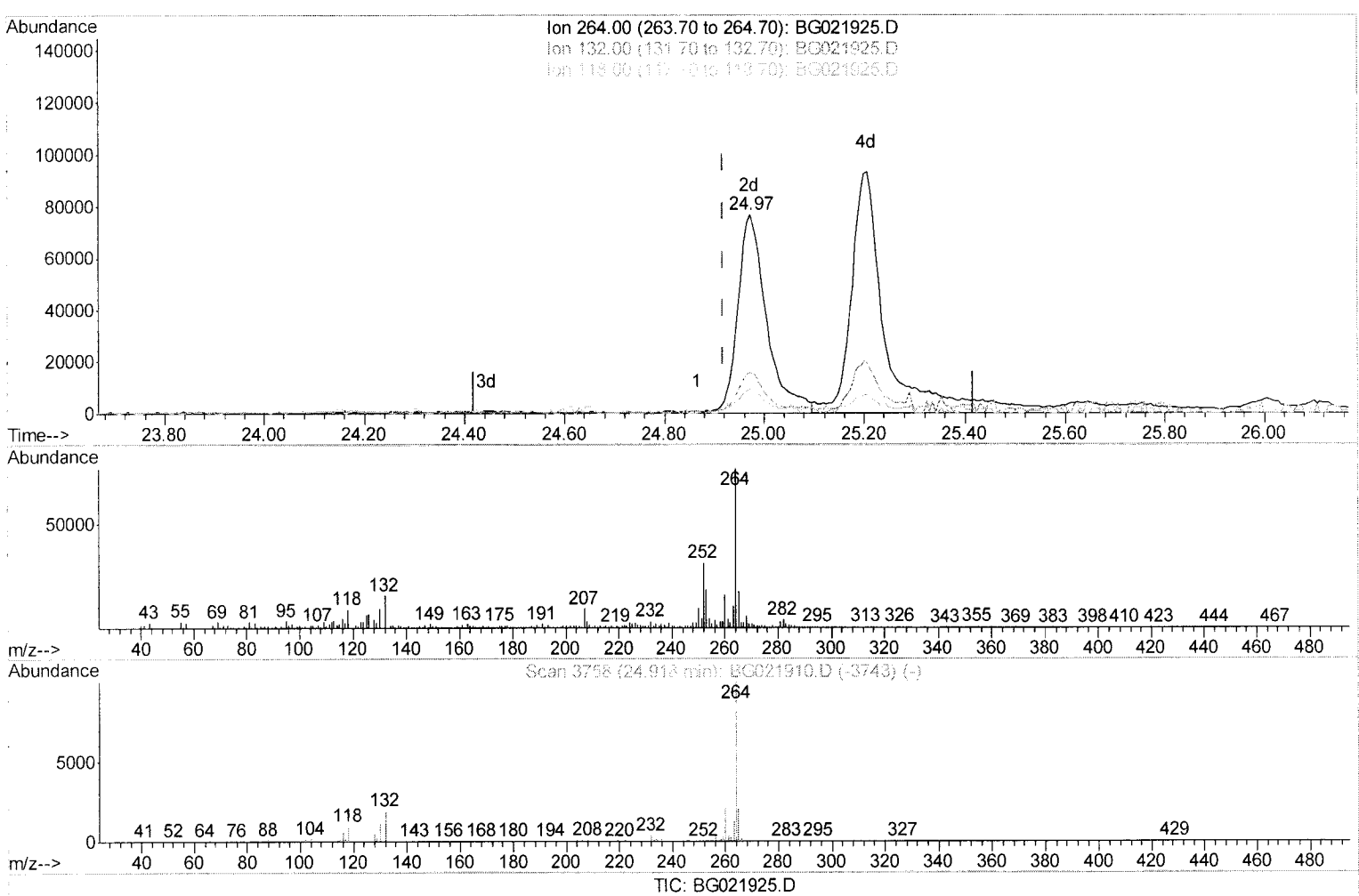
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(88) Benzo(a)pyrene-d12 (S)

24.971min (+0.053) 19.78ng/ul m

response 310755

> $\frac{U.M}{05/18/16}$

Ion	Exp%	Act%
264.00	100	100
132.00	15.60	20.56#
118.00	9.50	12.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

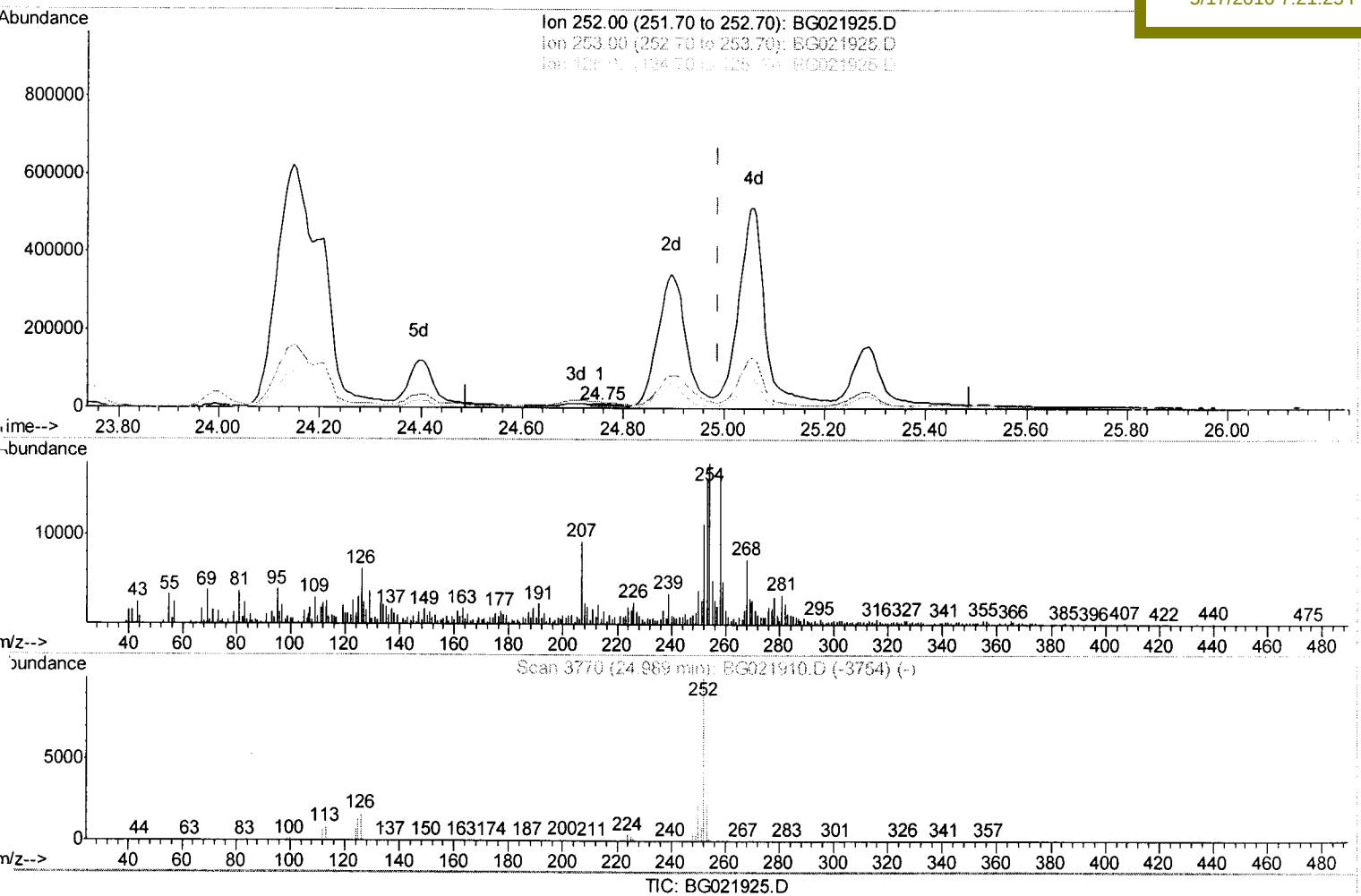
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(89) Benzo(a)pyrene (C)

24.754min (-0.235) 0.72ng/ul

response 13581

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	143.95#
125.00	10.20	28.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

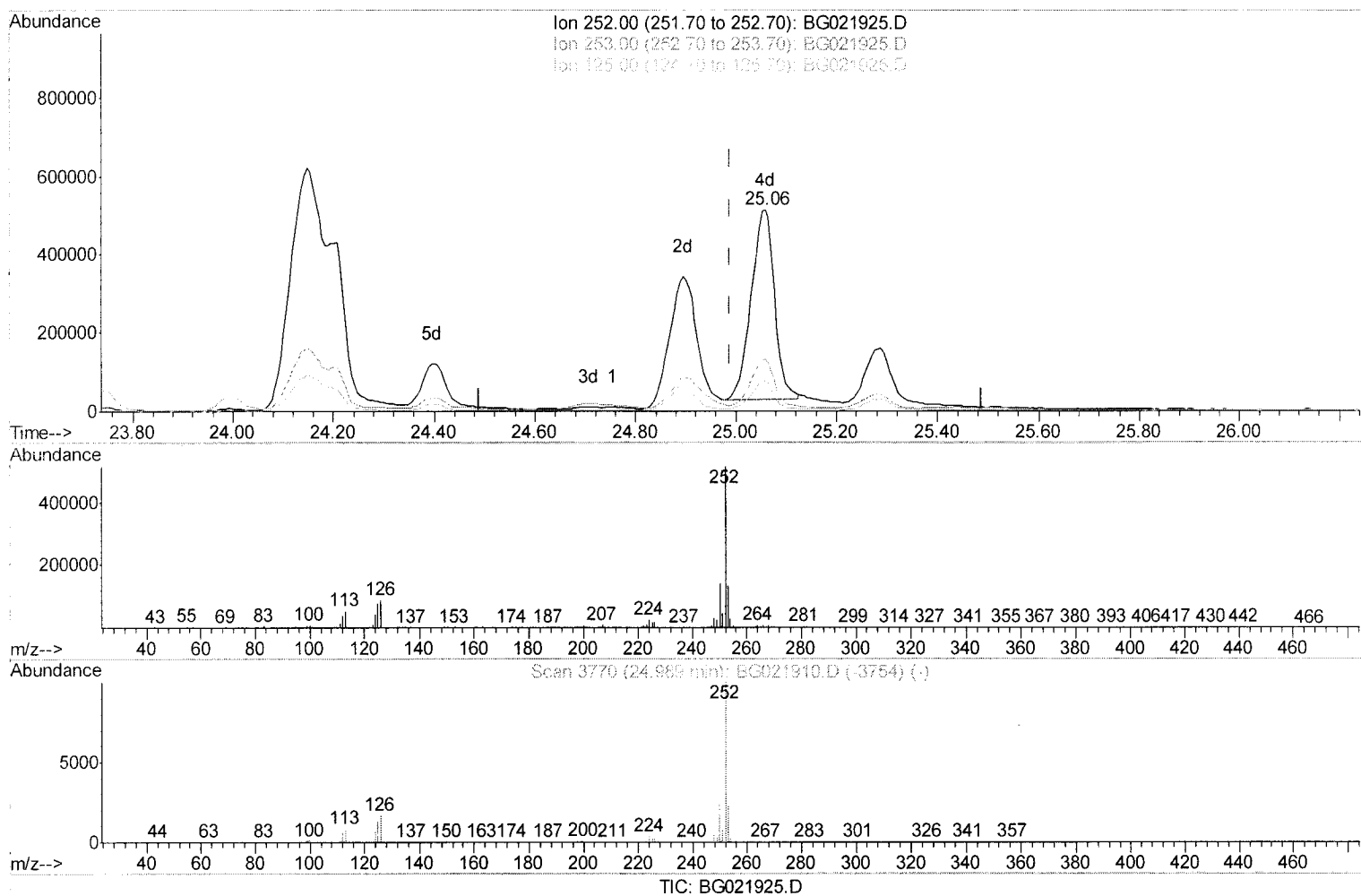
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Manual Integrations
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Quant Time: May 17 04:46:28 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration



(89) Benzo(a)pyrene (C)

25.059min (+0.071) 83.41ng/ul m

response 1571569

Ion Exp% Act%

252.00 100 100

253.00 21.70 26.04#

125.00 10.20 14.79#

0.00 0.00 0.00

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Quantitation Report (Qedit)

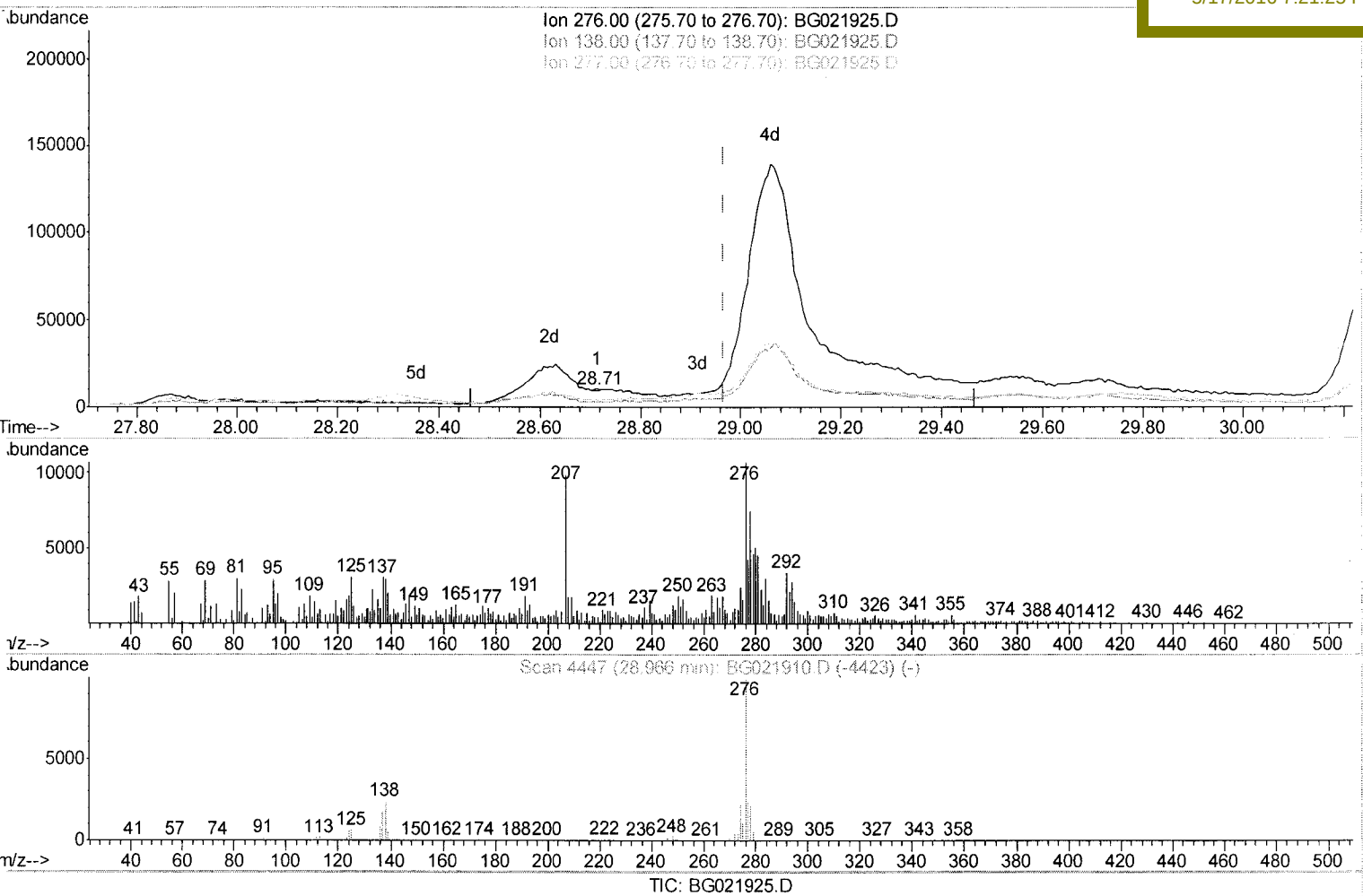
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021925.D
Acq On : 17 May 2016 3:25
Operator : UM/SJ
Sample : H3095-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XF8

Manual Integrations
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Quant Time: May 17 04:46:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 01:35:08 2016
Response via : Initial Calibration



(90) Indeno(1,2,3-cd)pyrene

28.714min (-0.253) 0.05ng/ul

response 1026

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	28.17#
277.00	23.80	40.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

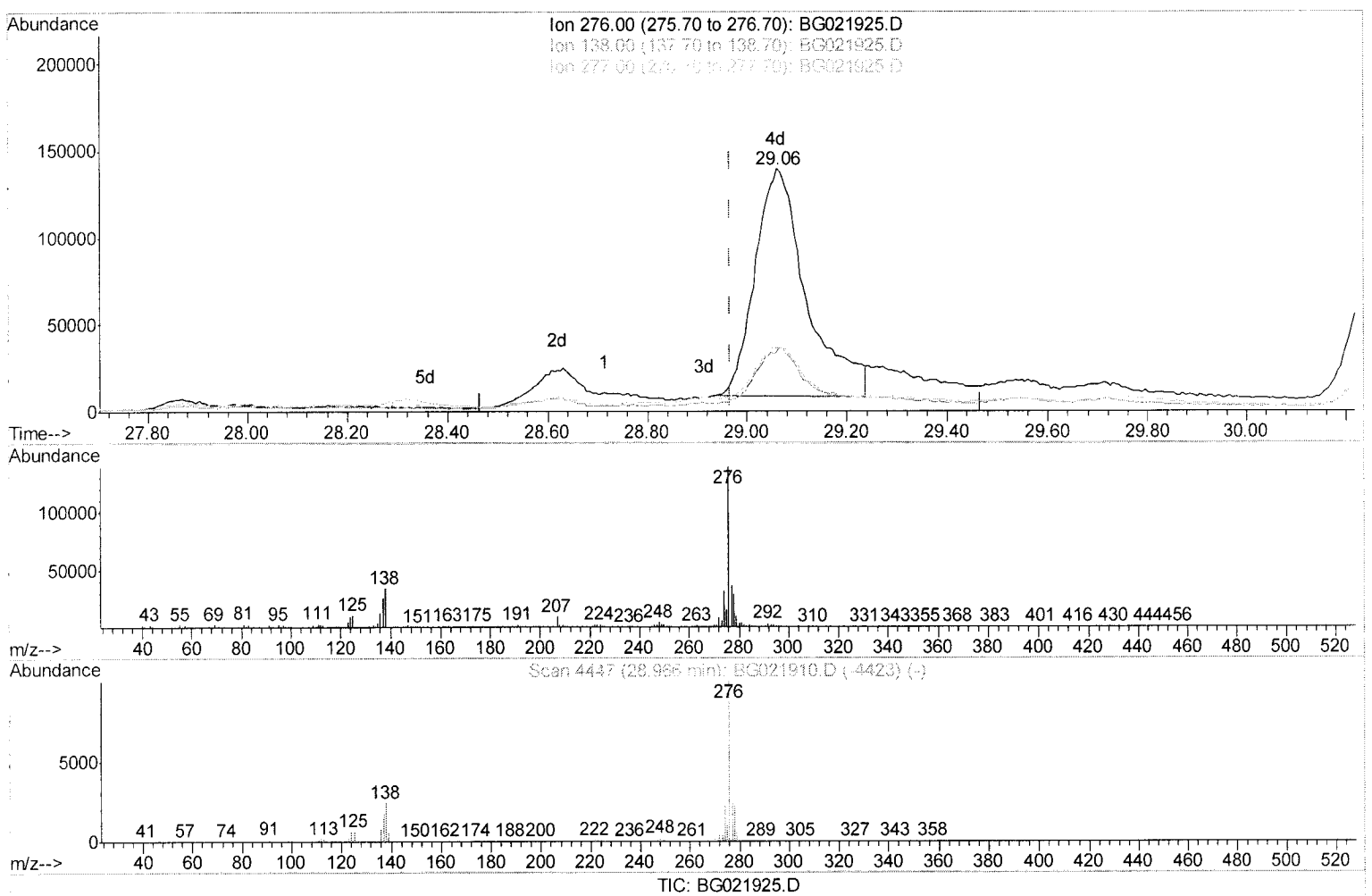
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Manual Integrations
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Quant Time: May 17 04:46:28 2016
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 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration



(90) Indeno(1,2,3-cd)pyrene

29.060min (+0.094) 41.94ng/ul m

response 936509

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	24.46#
277.00	23.80	25.94
0.00	0.00	0.00

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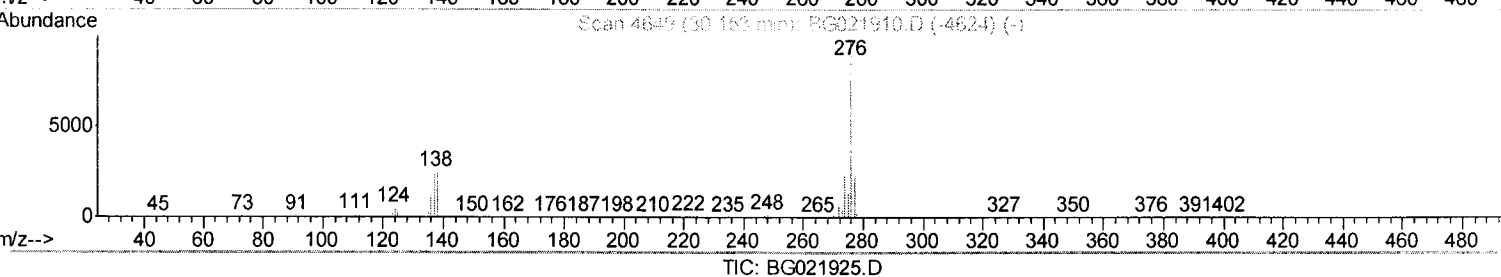
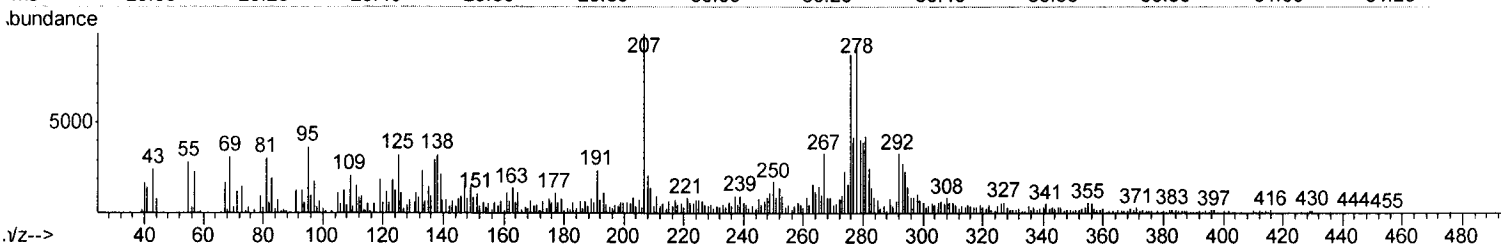
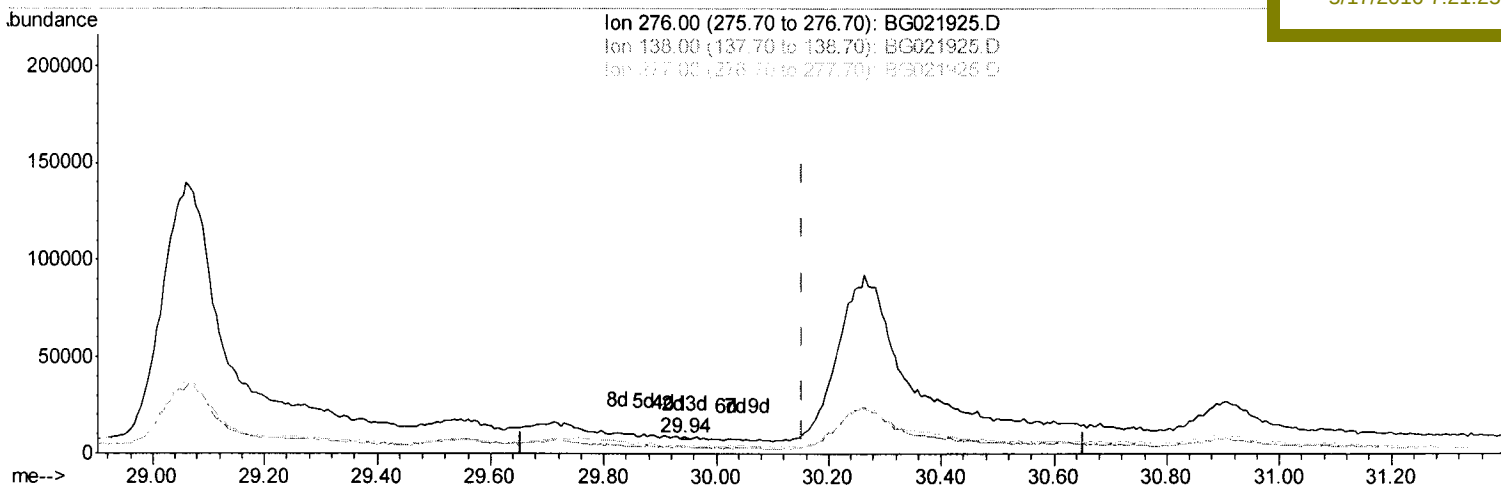
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
Data File : BG021925.D
Acq On : 17 May 2016 3:25
Operator : UM/SJ
Sample : H3095-22
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 17 04:46:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 17 01:35:08 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XF8

Manual Integrations
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(92) Benzo(g,h,i)perylene

29.942min (-0.211) 0.05ng/ul

response 871

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	38.56#
277.00	24.70	49.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

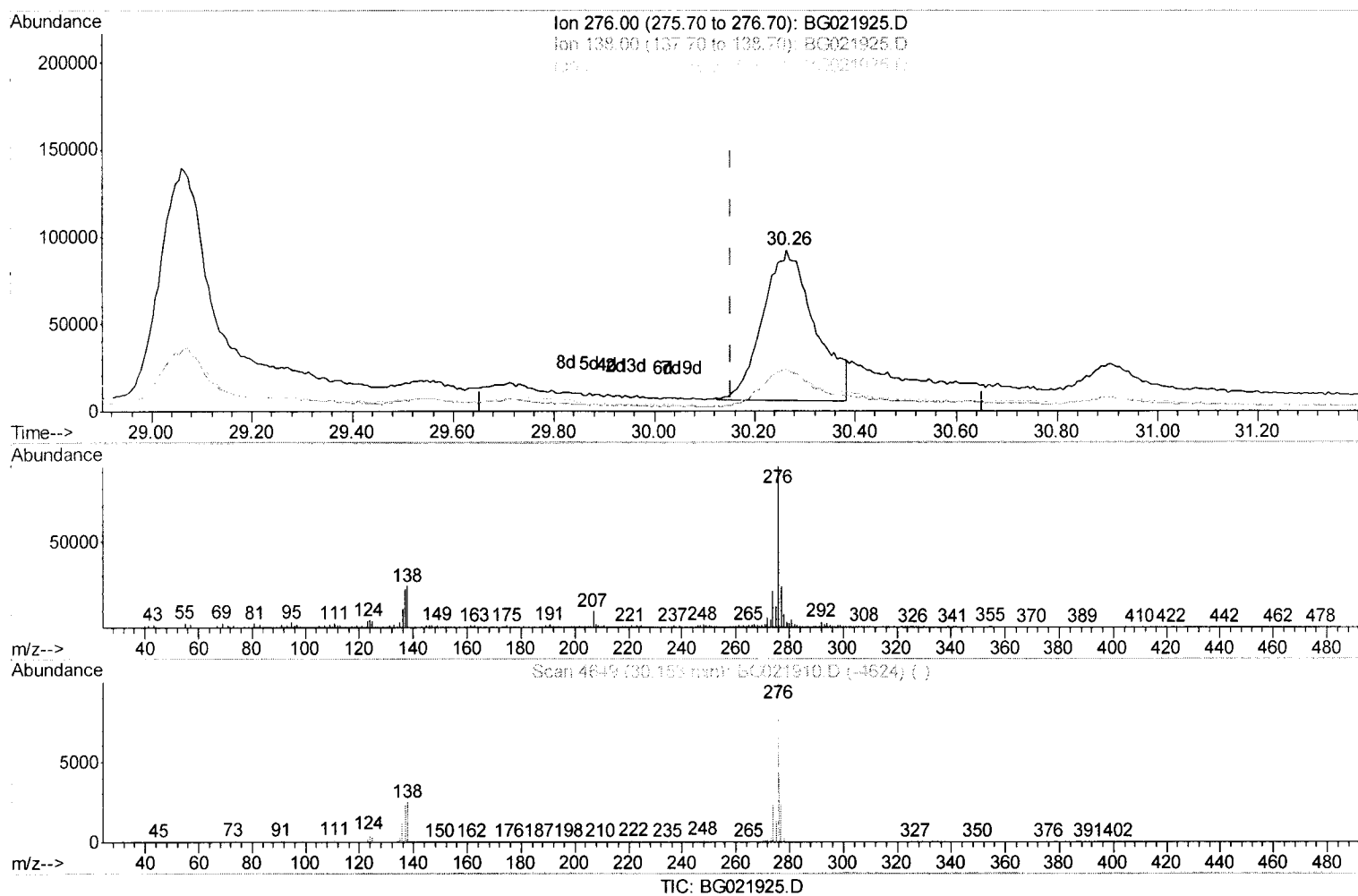
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Manual Integrations
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Quant Time: May 17 04:46:28 2016
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 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration



(92) Benzo(g,h,i)perylene

30.265min (+0.112) 33.88ng/ul m

response 624317

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	25.89#
277.00	24.70	25.59
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA G\DATA\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Quant Time: May 17 04:48:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	73330	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	342495	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.79	164	185776	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	373485	20.00	ng/ul	0.01
76) Chrysene-d12	21.84	240	376737	20.00	ng/ul	0.02
84) Perylene-d12	25.21	264	330657m	20.00	ng/ul	0.06

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	3361	2.21	ng/uL	0.00
5) Phenol-d5	7.33	99	88670	16.30	ng/ul	0.01
7) Bis-(2-Chloroethyl) ether-d	7.49	67	41121	15.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	81688	19.34	ng/ul	0.01
13) 4-Methylphenol-d8	8.88	113	64562	14.13	ng/ul	0.01
19) Nitrobenzene-d5	9.34	128	42172	18.73	ng/ul	0.01
22) 2-Nitrophenol-d4	10.07	143	47111	33.12	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.61	165	83605	20.79	ng/ul	0.01
29) 4-Chloroaniline-d4	11.13	131	42167m	9.73	ng/ul	0.01
44) Dimethylphthalate-d6	14.20	166	254066	19.47	ng/ul	0.01
47) Acenaphthylene-d8	14.50	160	346682	18.71	ng/ul	0.01
52) 4-Nitrophenol-d4	15.00	143	21802m	9.75	ng/ul	0.02
58) Fluorene-d10	15.79	176	230176	16.75	ng/ul	0.01
63) 4,6-Dinitro-2-methylphenol	15.91	200	13518	13.07	ng/ul	0.02
71) Anthracene-d10	17.64	188	321614	17.69	ng/ul	0.01
77) Pyrene-d10	19.92	212	339810	19.27	ng/ul	0.02
88) Benzo(a)pyrene-d12	24.97	264	310755m	19.78	ng/ul	0.05

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Target Compounds

					Ovalue
28) Naphthalene	11.04	128	177959	10.36	ng/ul 99
34) 2-Methylnaphthalene	12.64	142	36924	2.92	ng/ul 98
35) 1-Methylnaphthalene	12.86	142	27083	2.16	ng/ul# 96
45) Dimethylphthalate	14.24	163	86193	6.48	ng/ul 97
50) Acenaphthene	14.86	153	206319	15.64	ng/ul 98
59) Fluorene	15.84	166	108116	7.07	ng/ul 97
70) Phenanthrene	17.59	178	1989233m	97.42	ng/ul
72) Anthracene	17.68	178	447037	21.55	ng/ul 99
73) Carbazole	17.94	167	427518	23.77	ng/ul# 96
75) Fluoranthene	19.60	202	2792985	120.39	ng/ul# 78
78) Pyrene	19.96	202	2514499m	115.36	ng/ul
81) Benzo(a)anthracene	21.82	228	1787353	85.25	ng/ul# 89
82) Bis(2-ethylhexyl)phthalate	21.69	149	26749	3.40	ng/ul# 93
83) Chrysene	21.89	228	1615457	77.90	ng/ul# 88
86) Benzo(b)fluoranthene	24.15	252	2598657m	137.30	ng/ul
87) Benzo(k)fluoranthene	24.21	252	1125566m	55.55	ng/ul
89) Benzo(a)pyrene	25.06	252	1571569m	83.41	ng/ul
90) Indeno(1,2,3-cd)pyrene	29.06	276	936509m	41.94	ng/ul
92) Benzo(g,h,i)perylene	30.26	276	624317m	33.88	ng/ul

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

Quantitation Report (Qedit)

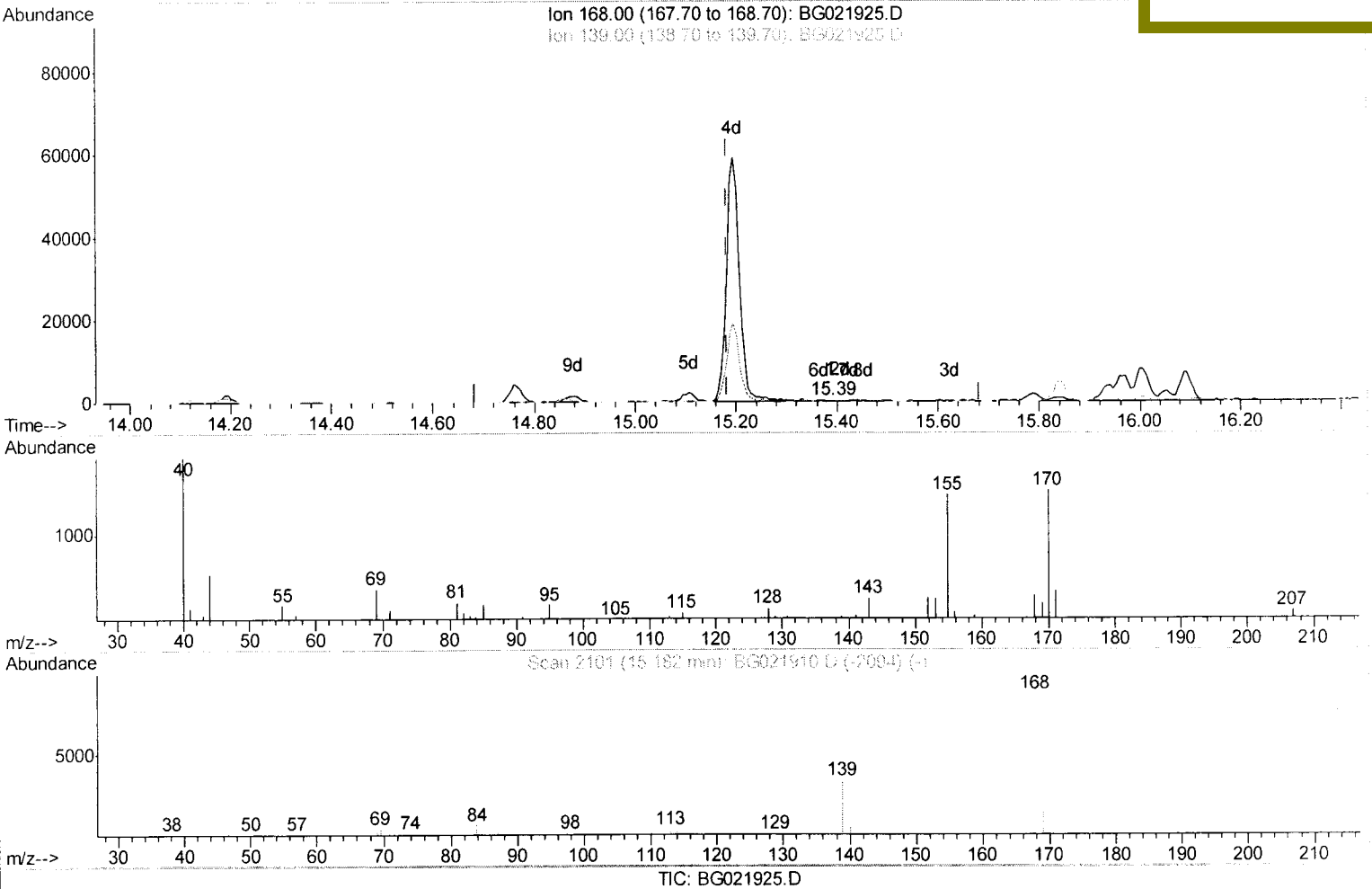
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Quant Time: May 17 04:48:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
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Manual Integrations
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(54) Dibenzofuran

15.388min (+0.206) 0.01ng/ul

response 176

Ion	Exp%	Act%
168.00	100	100
139.00	44.00	44.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

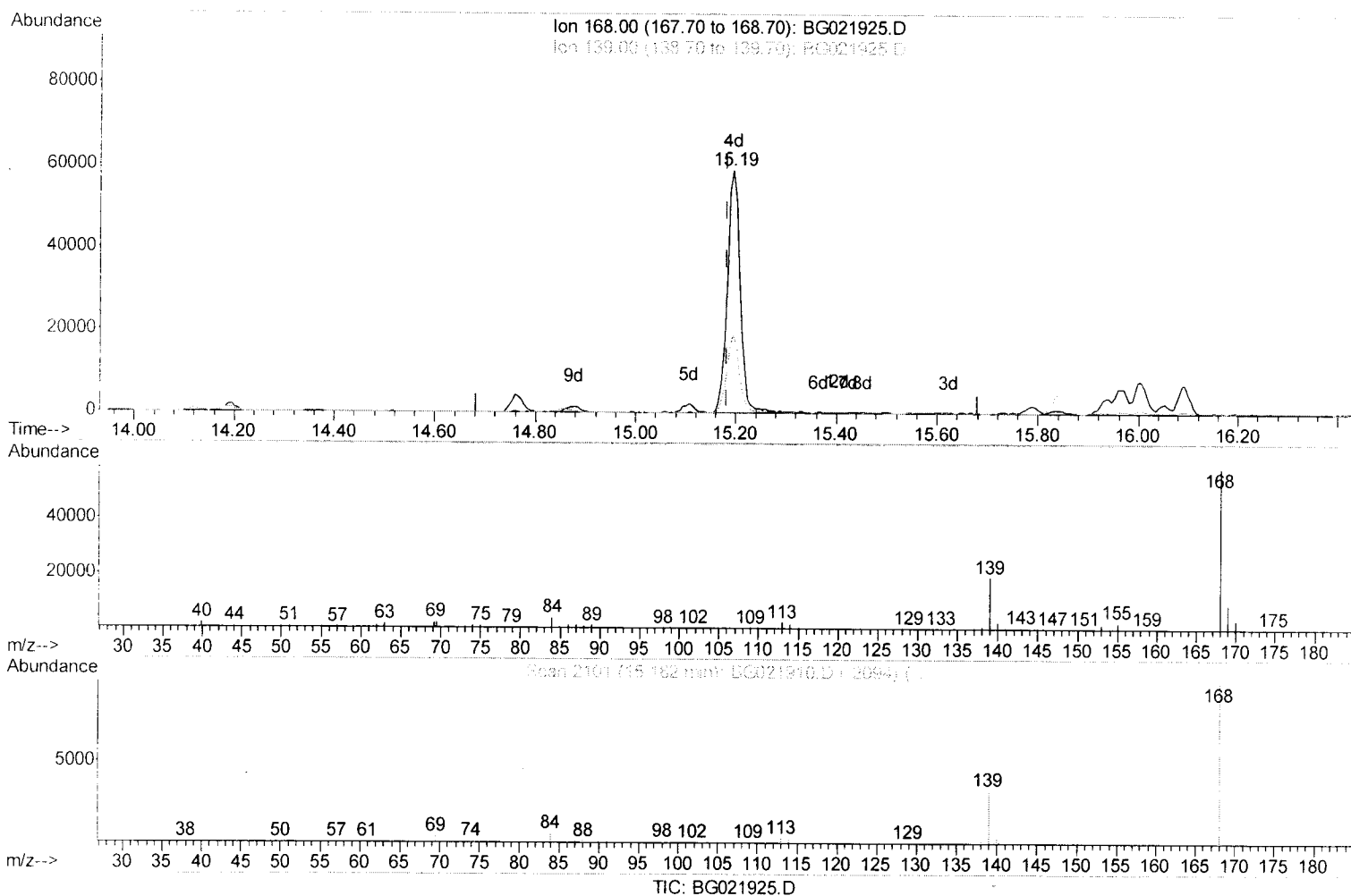
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Manual Integrations
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Quant Time: May 17 04:48:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration



(54) Dibenzofuran

15.194min (+0.012) 5.88ng/ul m

response 103928

Ion	Exp%	Act%
168.00	100	100
139.00	44.00	32.21#
0.00	0.00	0.00
0.00	0.00	0.00

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Quantitation Report (Qedit)

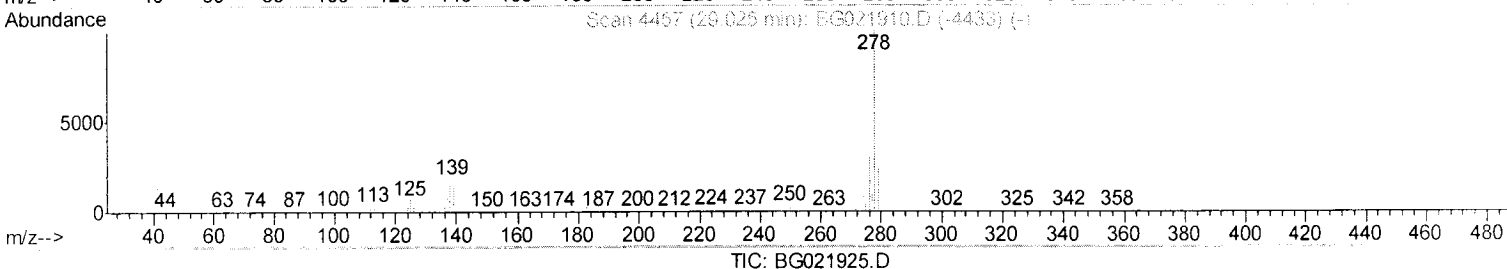
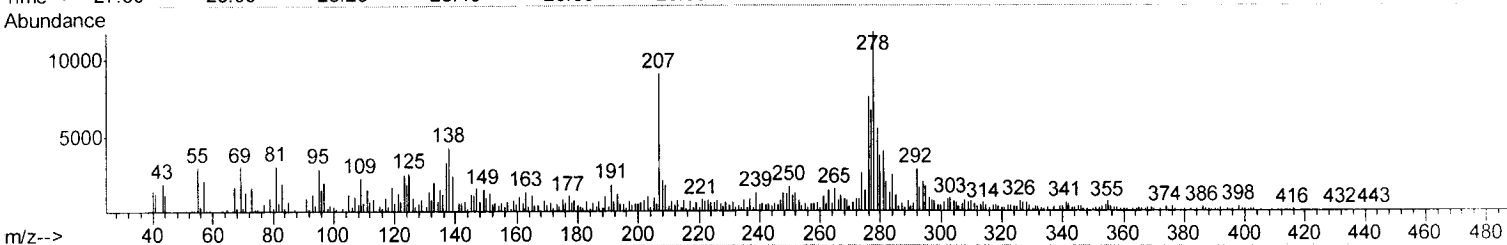
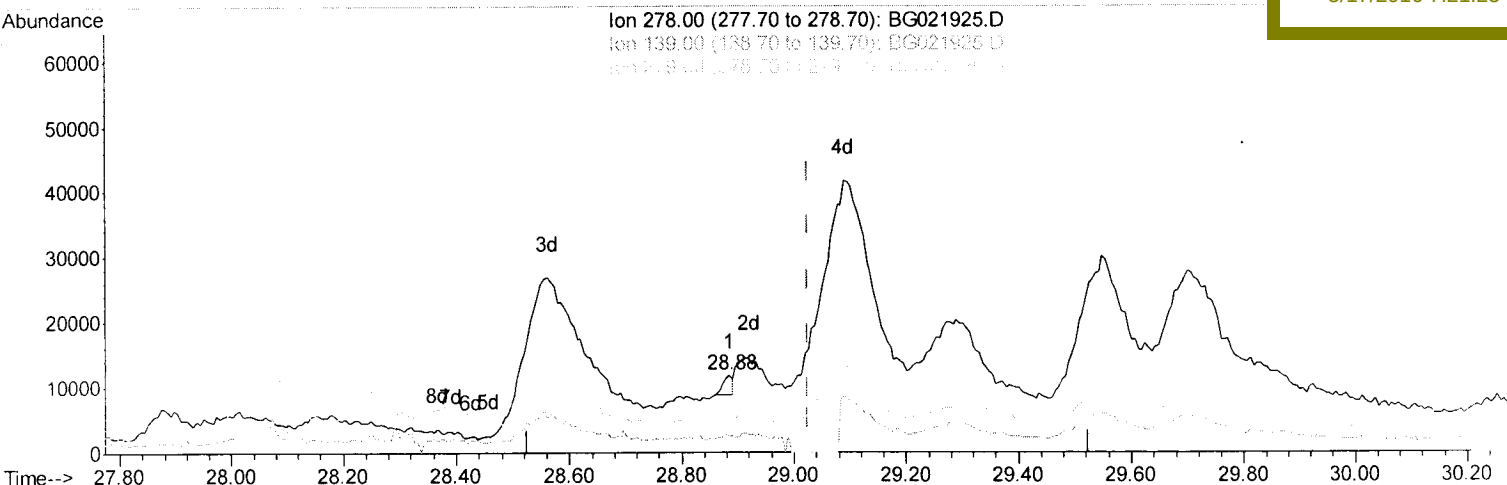
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9XF8

Manual Integrations
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Quant Time: May 17 04:48:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
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 Response via : Initial Calibration



(91) Dibenzo(a,h)anthracene

28.884min (-0.141) 0.19ng/ul

response 3461

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	21.06#
279.00	24.80	46.28#
0.00	0.00	0.00

Quantitation Report (Qedit)

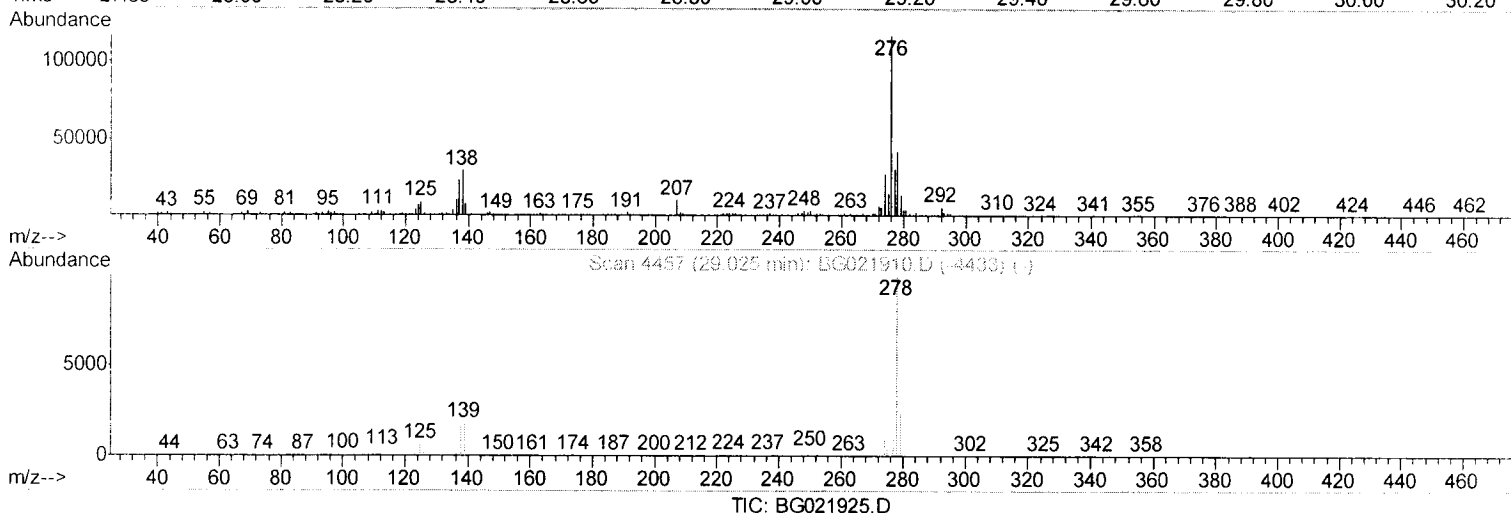
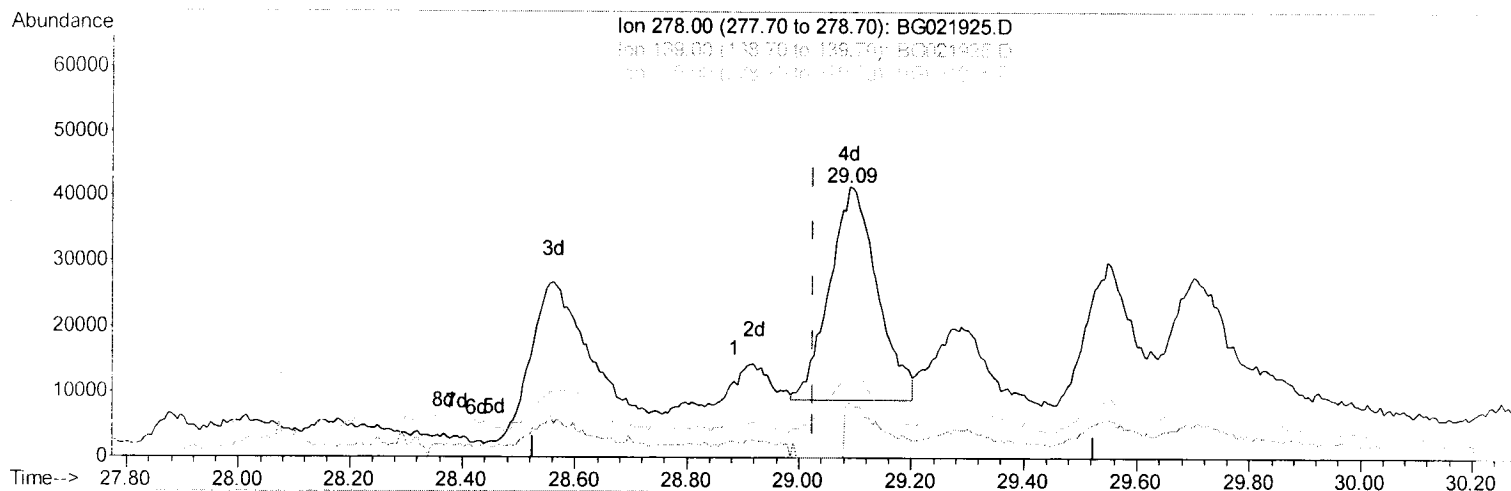
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051616\
 Data File : BG021925.D
 Acq On : 17 May 2016 3:25
 Operator : UM/SJ
 Sample : H3095-22
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XF8

Manual Integrations
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Quant Time: May 17 04:48:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 17 01:35:08 2016
 Response via : Initial Calibration



(91) Dibenzo(a,h)anthracene

29.090min (+0.065) 10.44ng/ul m

response 193948

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	20.47#
279.00	24.80	32.14#
0.00	0.00	0.00

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