

Quantitation Report (QT/LSC Reviewed)

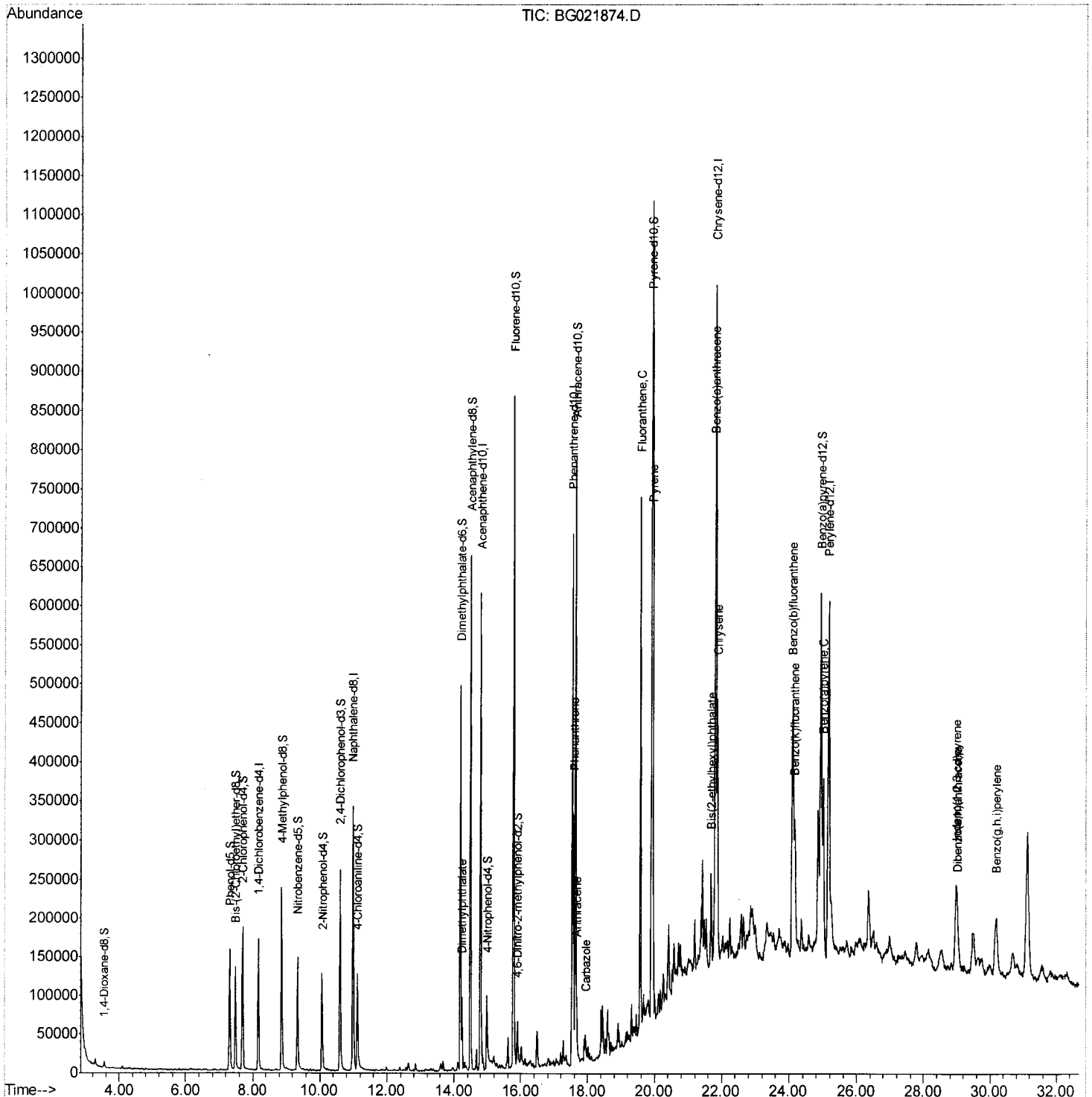
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051216\
 Data File : BG021874.D
 Acq On : 12 May 2016 18:34
 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 D9WK1

Manual Integrations
 APPROVED

sohil
 5/13/2016 8:12:04 PM

Quant Time: May 13 12:30:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration



Quantitation Report (Qedit)

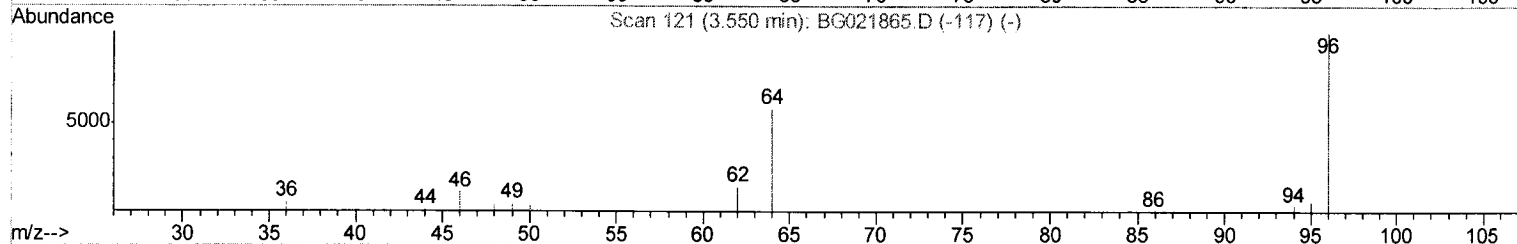
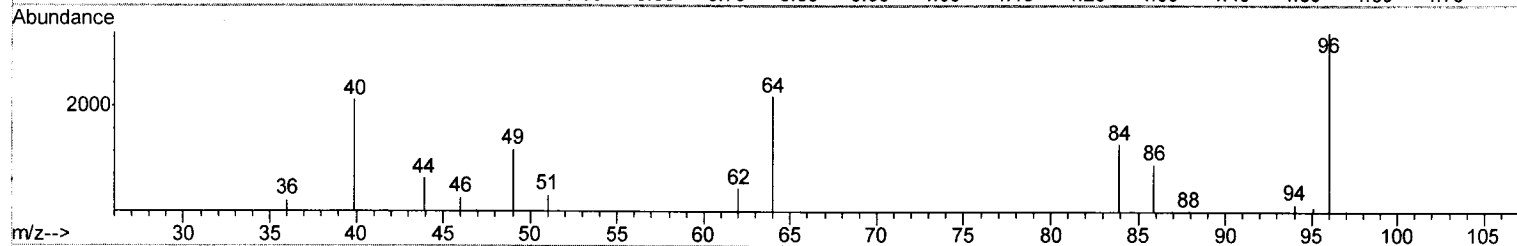
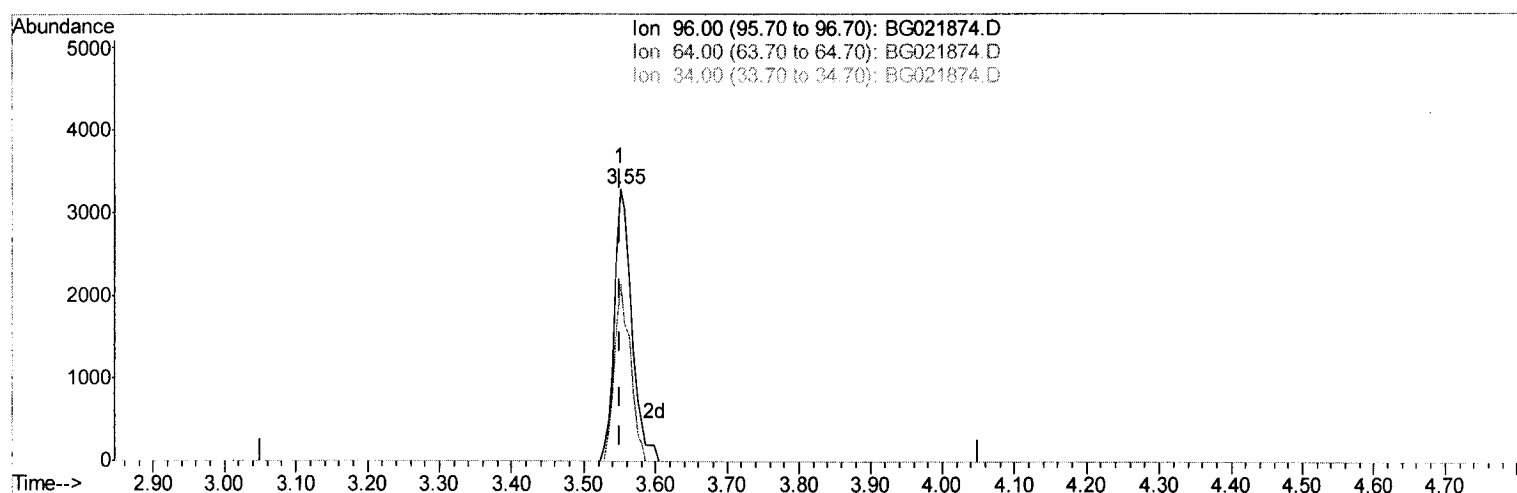
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
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Quant Time: May 13 05:01:26 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
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TIC: BG021874.D

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

3.552min (+0.001) 3.88ng/uL m

response 5537

Ion	Exp%	Act%
96.00	100	100
64.00	66.20	65.90
34.00	0.00	0.00
0.00	0.00	0.00

> 0.1M
 05/16/16

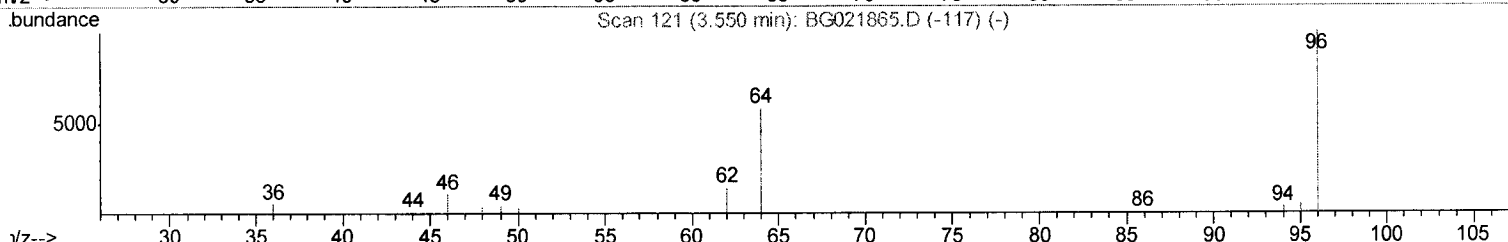
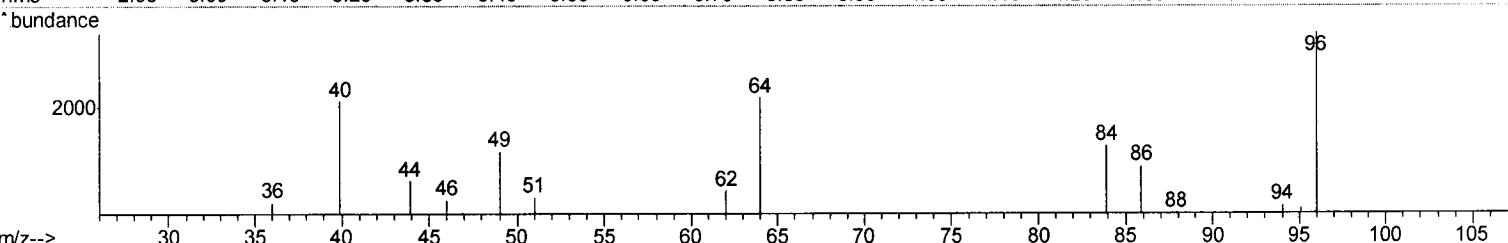
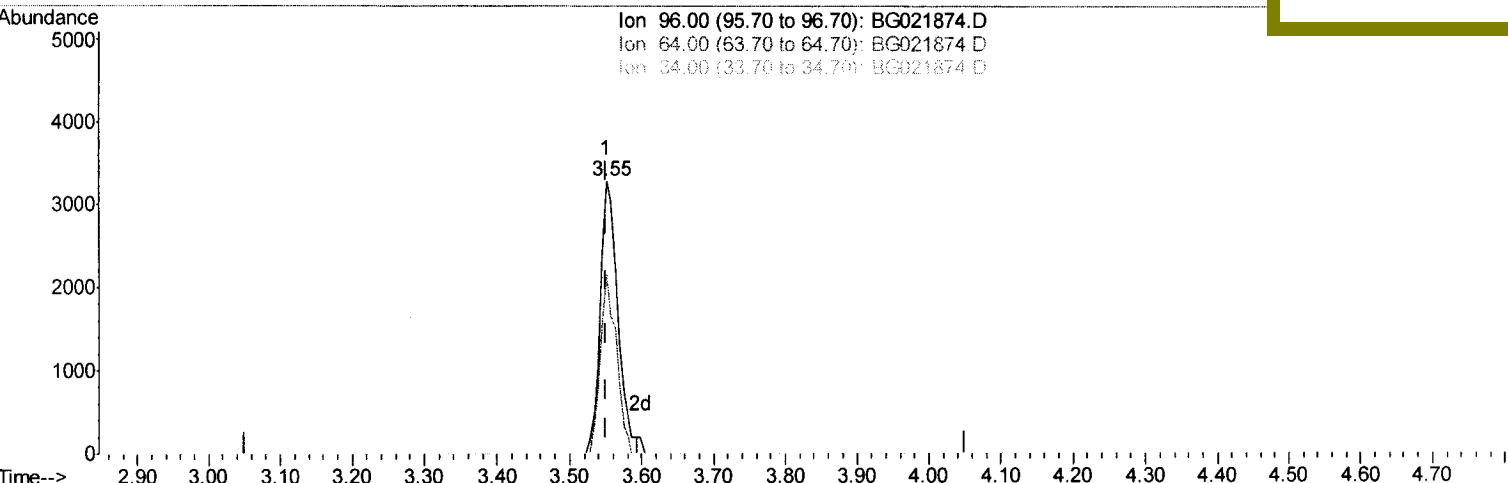
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
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TIC: BG021874.D

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

3.552min (+0.001) 3.84ng/uL

response 5470

Ion	Exp%	Act%
96.00	100	100
64.00	66.20	65.90
34.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

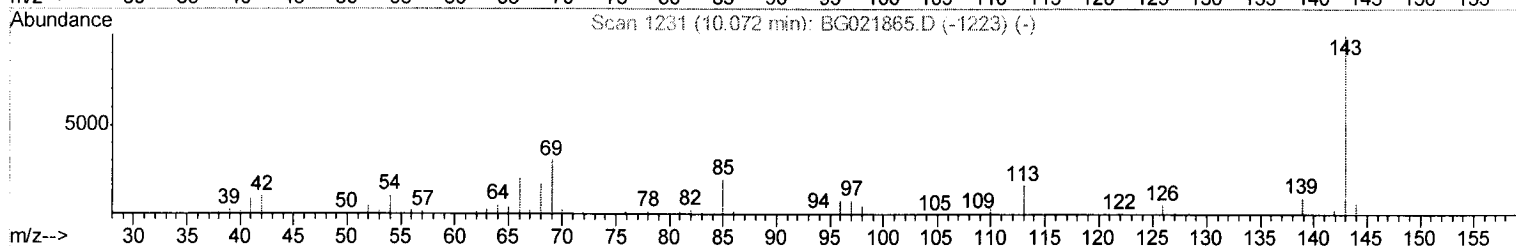
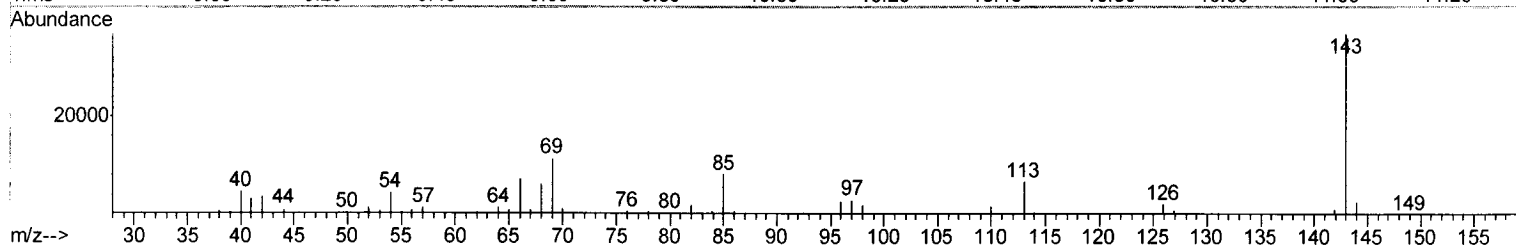
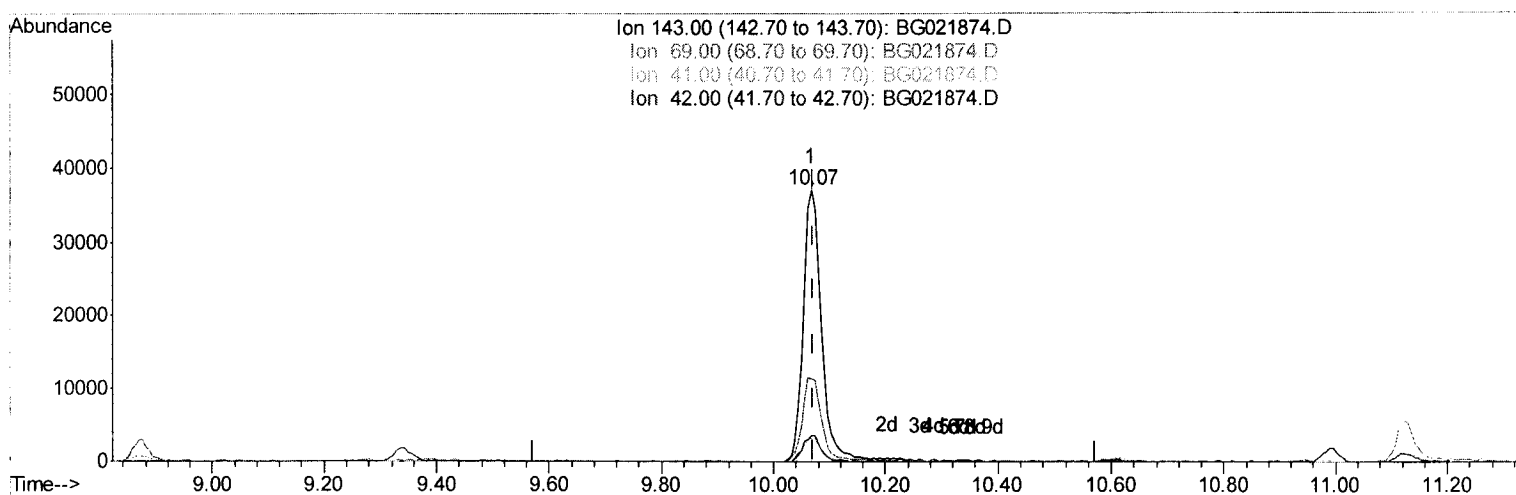
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TIC: BG021874.D

(22) 2-Nitrophenol-d4 (S)

10.067min (-0.005) 51.72ng/ul m

response 83627

Ion	Exp%	Act%
143.00	100	100
69.00	76.10	30.59#
41.00	34.20	8.79#
42.00	33.20	9.72#

Handwritten: > U.M.
 05/16/16

Quantitation Report (Qedit)

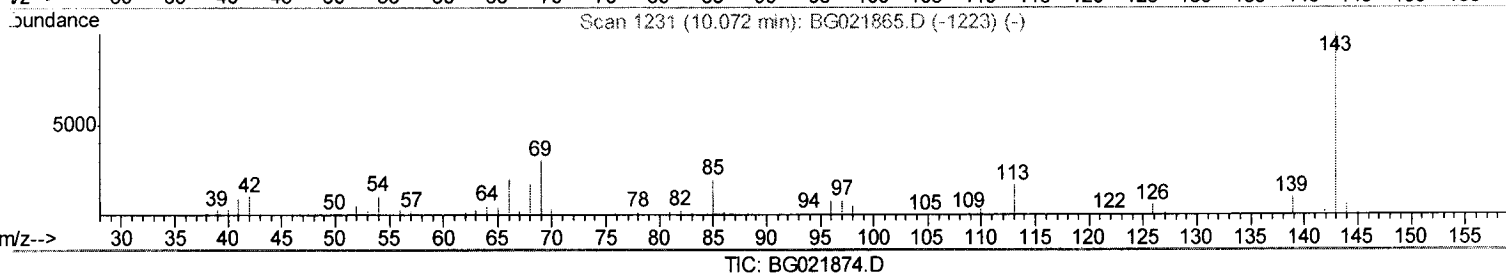
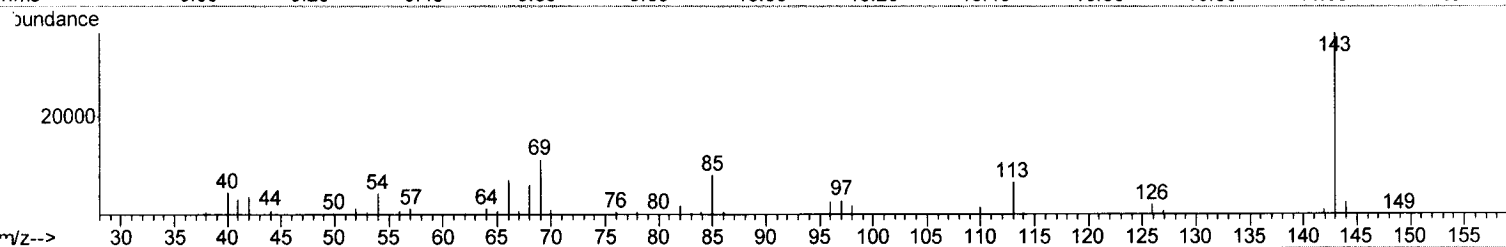
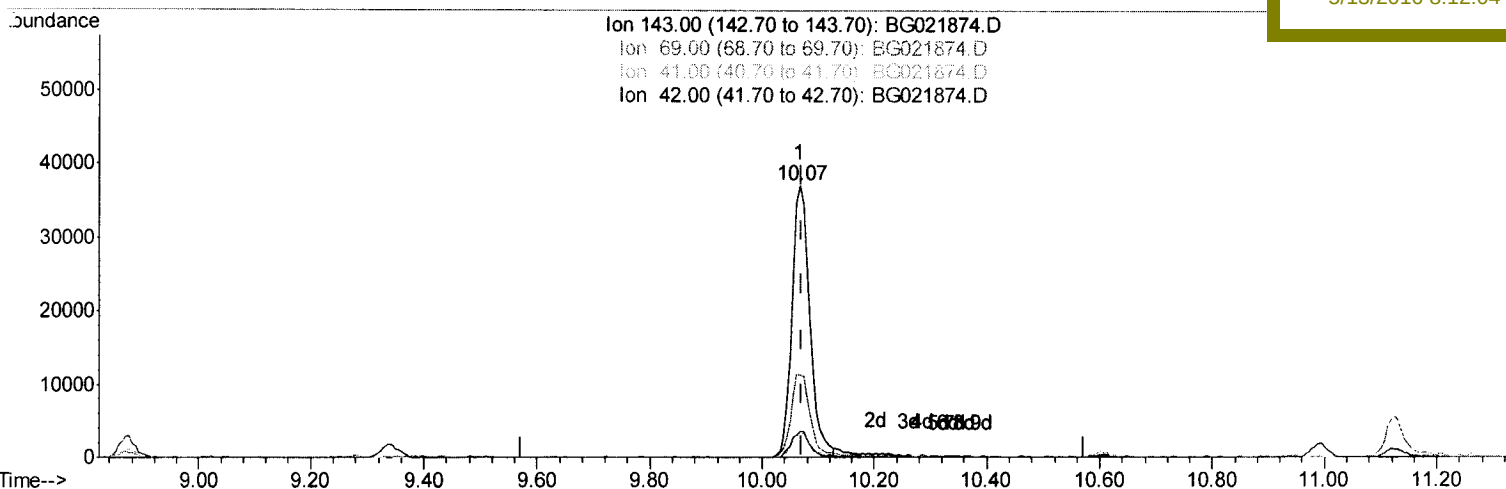
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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(22) 2-Nitrophenol-d4 (S)

10.067min (-0.005) 49.90ng/ul

response 80684

Ion	Exp%	Act%
143.00	100	100
69.00	76.10	30.59#
41.00	34.20	8.79#
42.00	33.20	9.72#

Quantitation Report (Qedit)

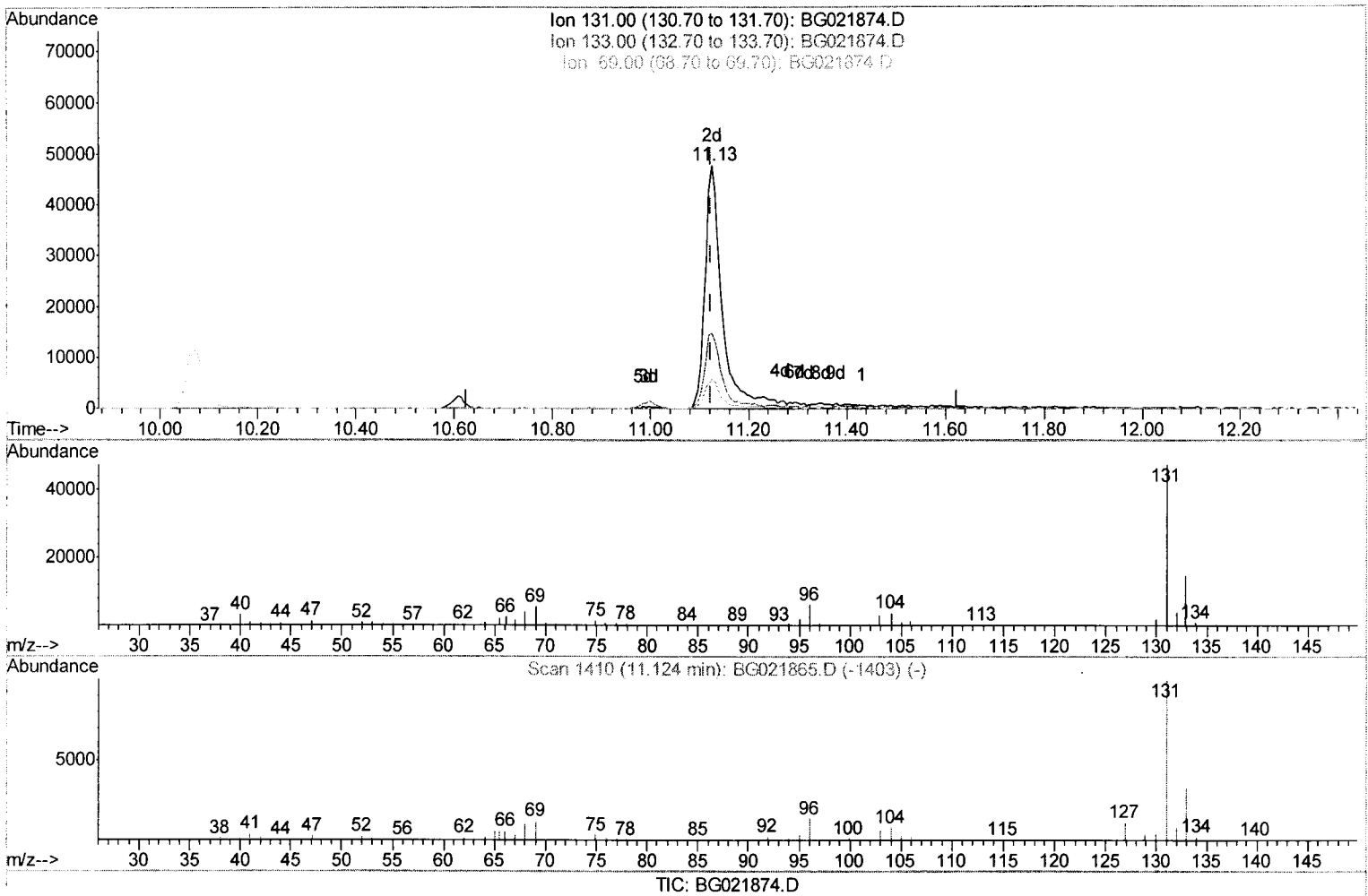
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 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual Integrations
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(29) 4-Chloroaniline-d4 (S)

11.125min (+0.001) 24.34ng/ul m

response 119899

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	30.75
69.00	23.00	11.76#
0.00	0.00	0.00

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Quantitation Report (Qedit)

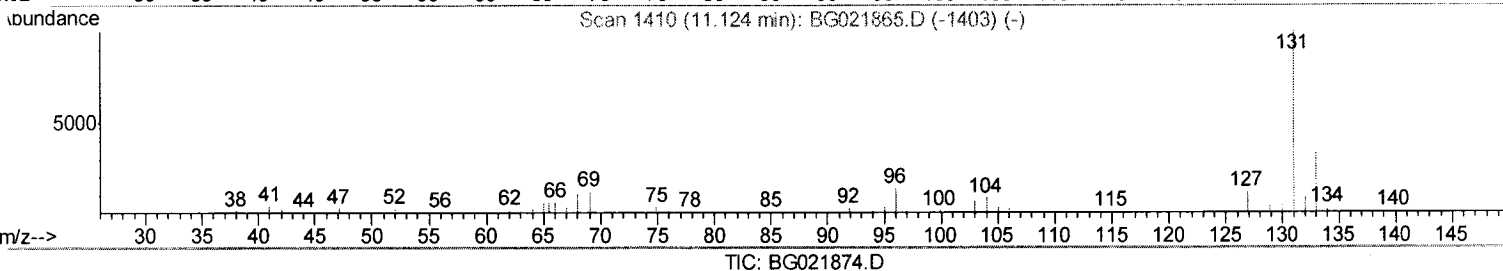
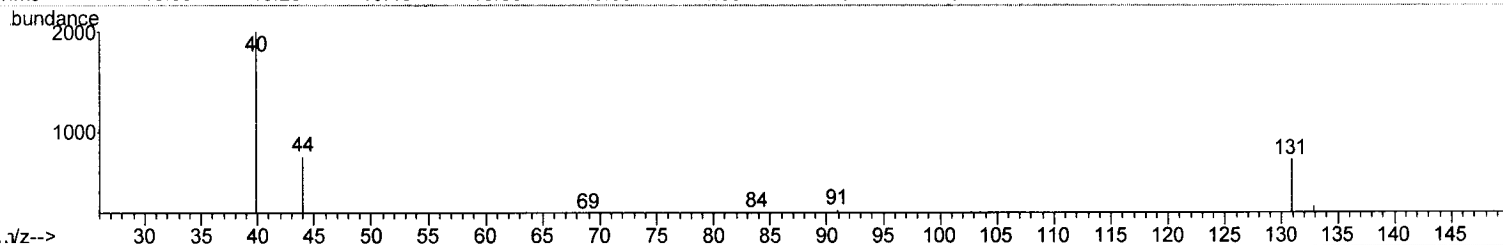
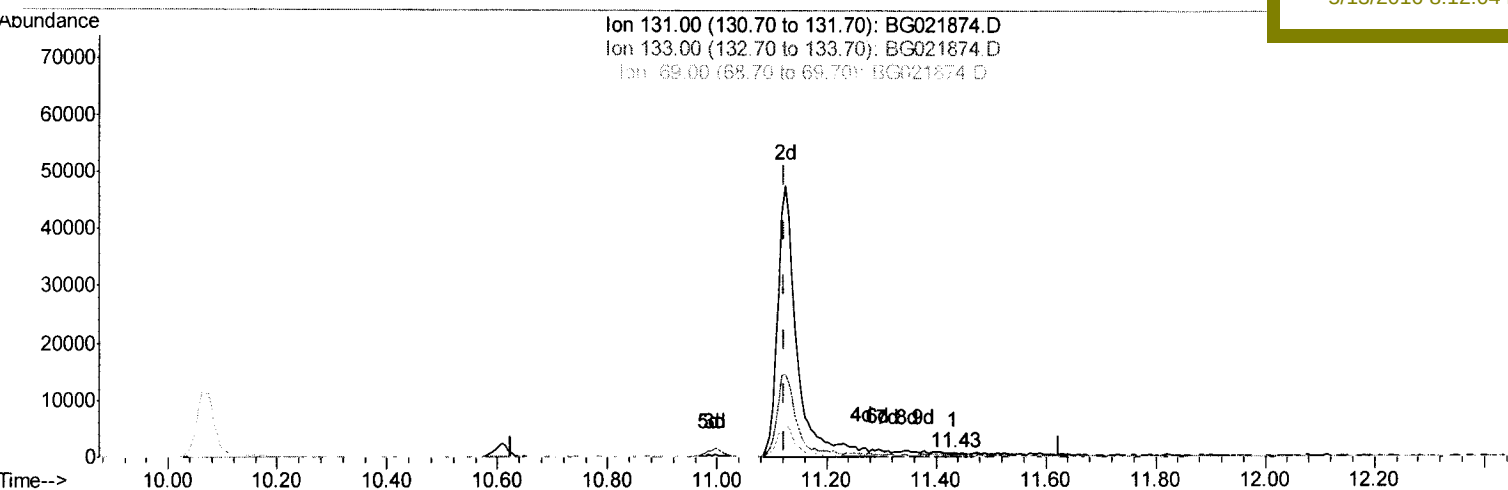
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Sample : H2936-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

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BNA_G
ClientSampleId :
D9WK1

Manual Integrations
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(29) 4-Chloroaniline-d4 (S)

11.431min (+0.307) 0.04ng/ul

response 189

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	35.18
69.00	23.00	25.90
0.00	0.00	0.00

Quantitation Report (Qedit)

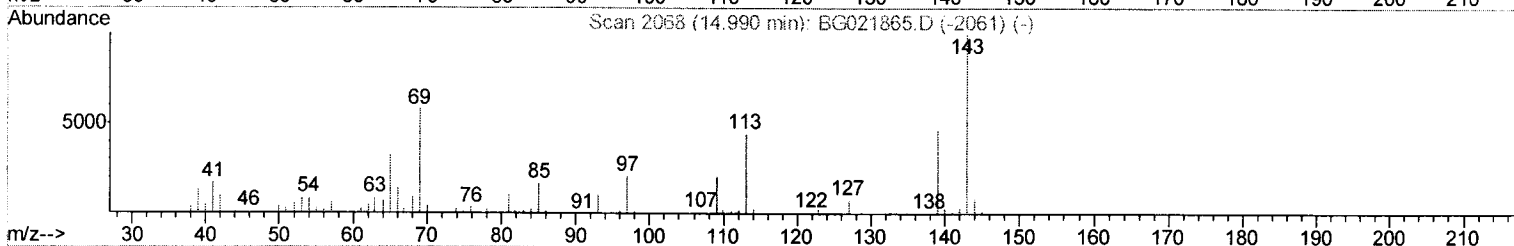
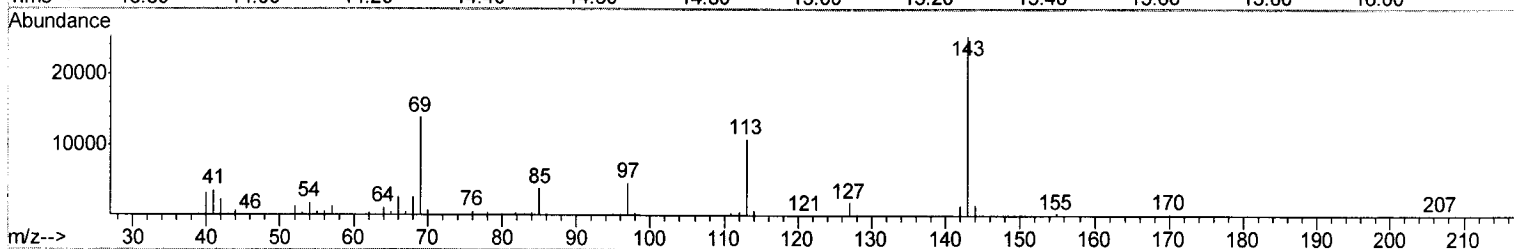
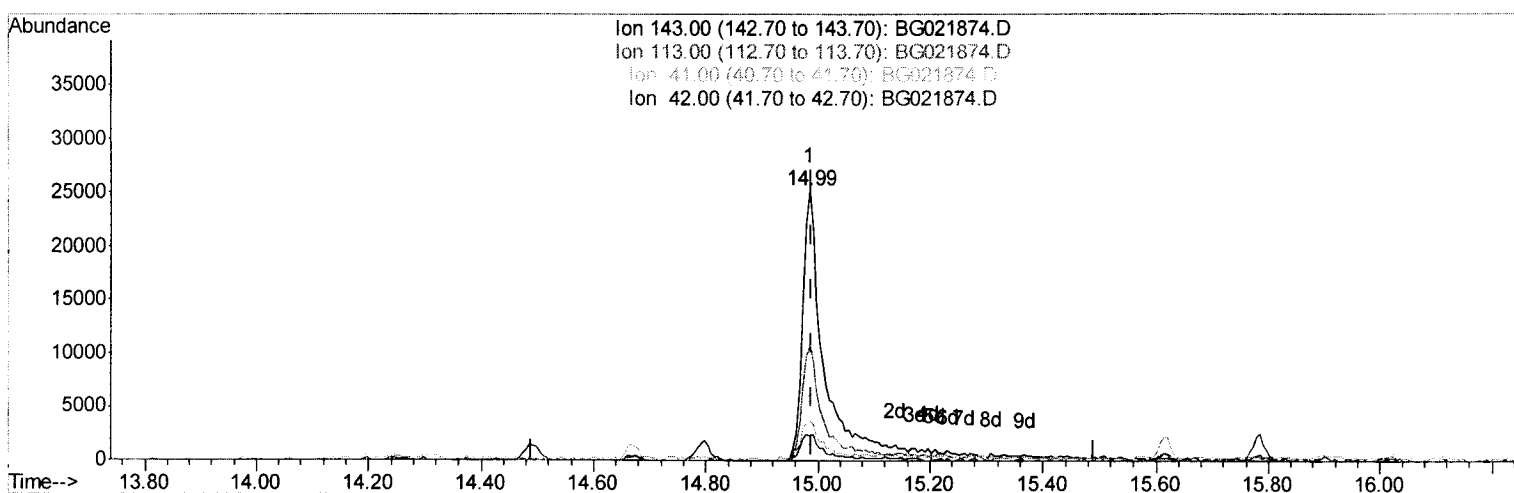
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
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 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK1

Manual Integrations
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TIC: BG021874.D

(52) 4-Nitrophenol-d4 (S)

14.985min (-0.005) 24.71ng/ul m

response 70961

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	43.12#
41.00	49.70	14.53#
42.00	33.70	9.30#

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Quantitation Report (Qedit)

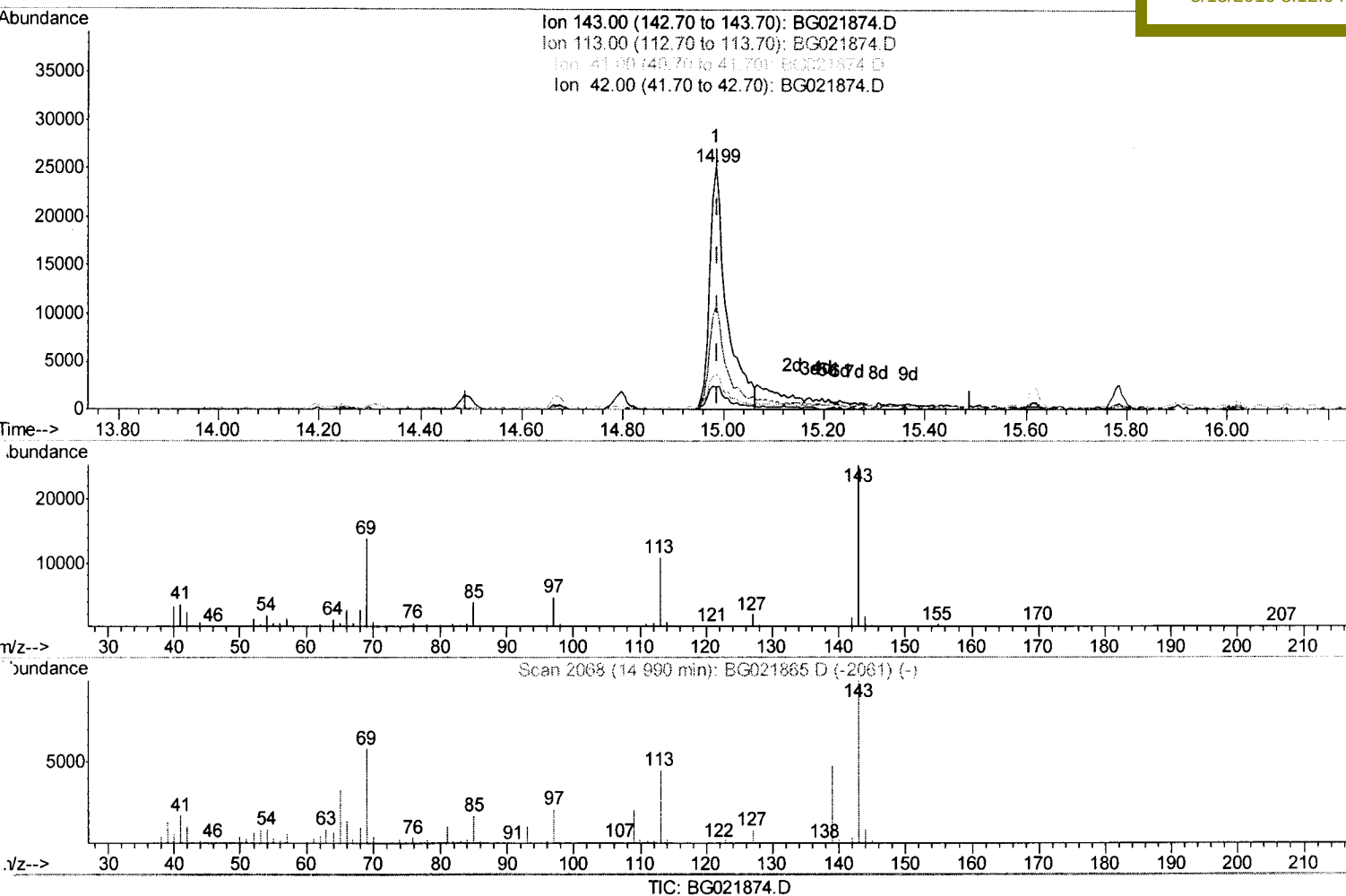
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021874.D
Acq On : 12 May 2016 18:34
Operator : UM/SJ
Sample : H2936-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WK1

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Manual Integrations
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(52) 4-Nitrophenol-d4 (S)

14.985min (-0.005) 20.47ng/ul

response 58788

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	43.12#
41.00	49.70	14.53#
42.00	33.70	9.30#

Quantitation Report (Qedit)

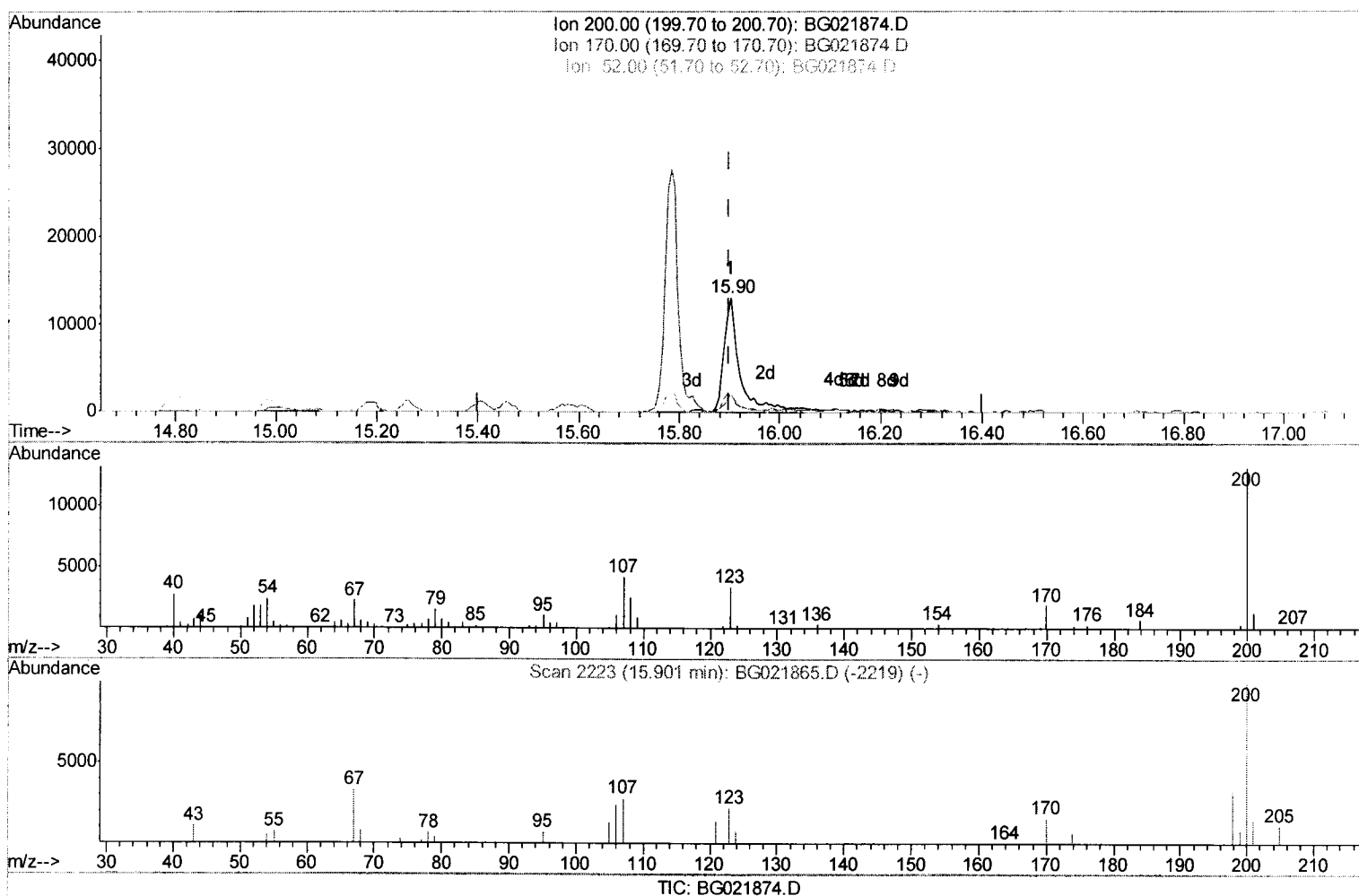
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021874.D
 Acq On : 12 May 2016 18:34
 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
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(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.902min (+0.001) 20.16ng/ul m

response 27700

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	15.19#
52.00	53.20	14.39#
0.00	0.00	0.00

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Quantitation Report (Qedit)

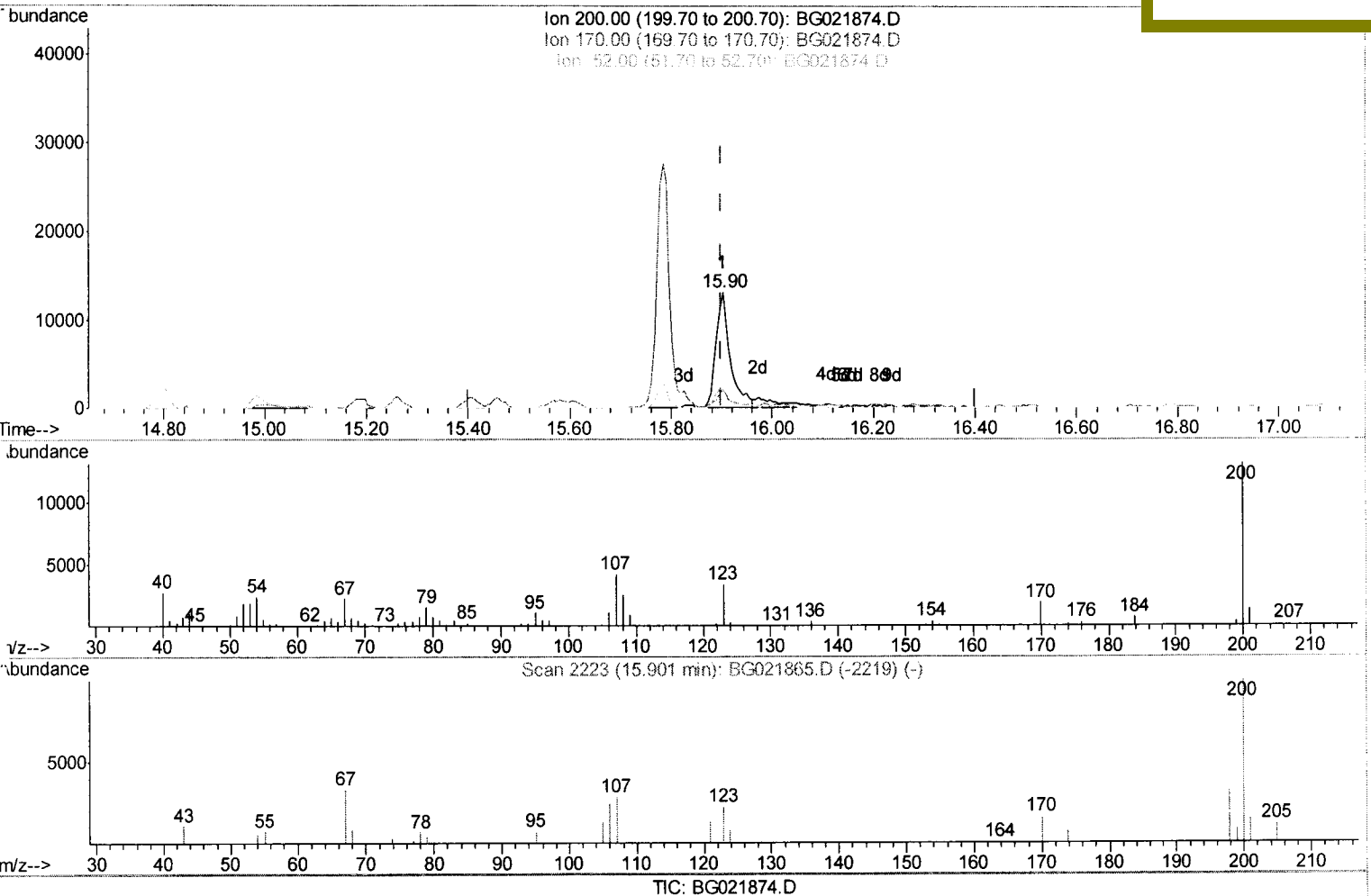
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021874.D
Acq On : 12 May 2016 18:34
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Sample : H2936-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WK1

Quant Time: May 13 05:01:26 2016
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Manual Integrations
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(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.902min (+0.001) 18.52ng/ul

response 25438

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	15.19#
52.00	53.20	14.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

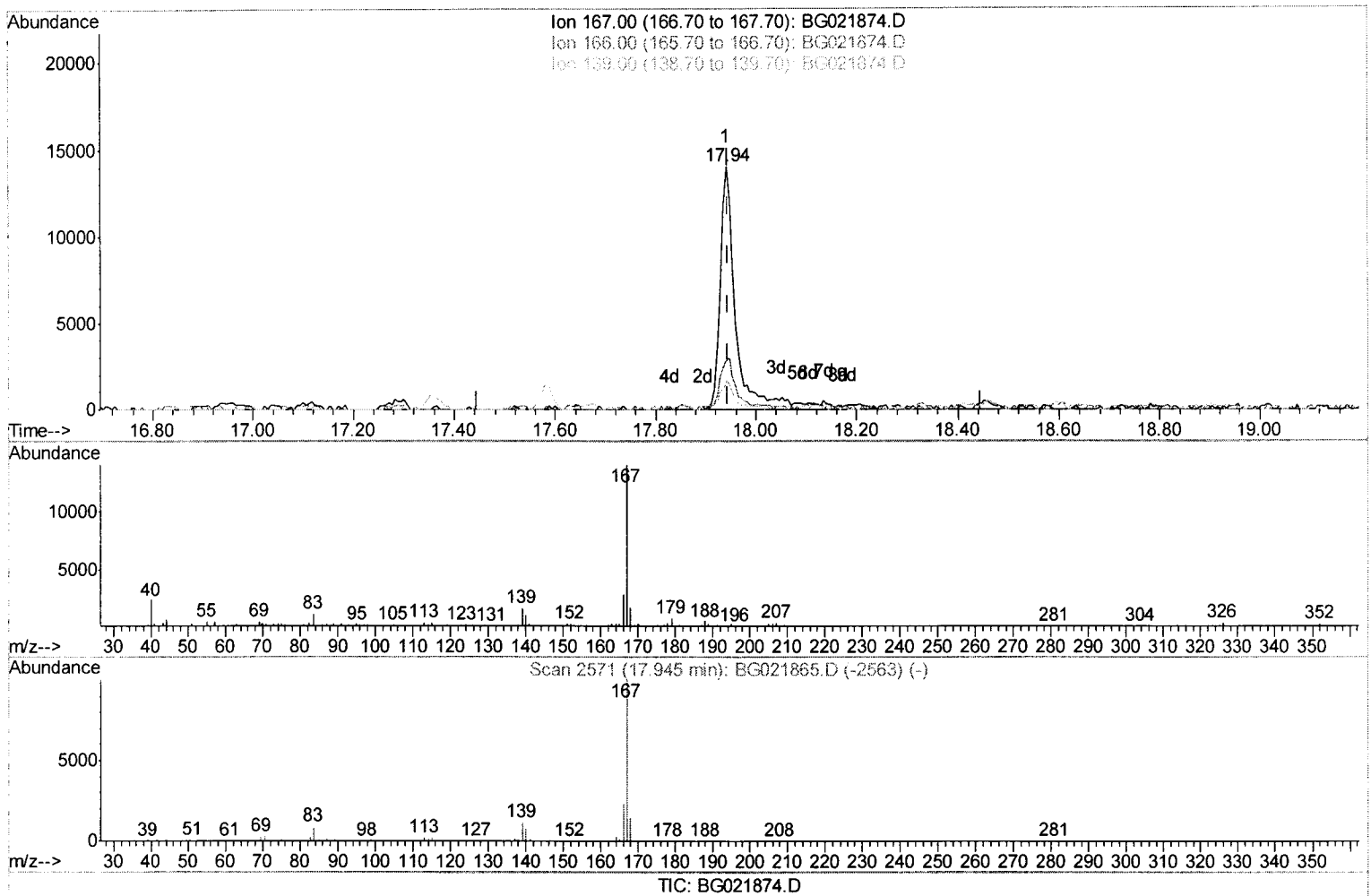
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(73) Carbazole

17.941min (-0.005) 1.21ng/ul m

response 28855

Ion	Exp%	Act%
167.00	100	100
166.00	23.70	20.93
139.00	15.30	12.05#
0.00	0.00	0.00

> U.M
 05/16/16

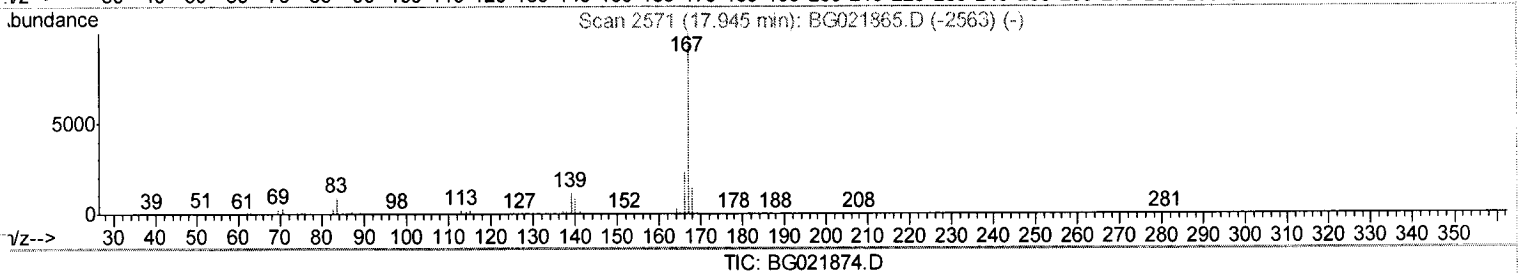
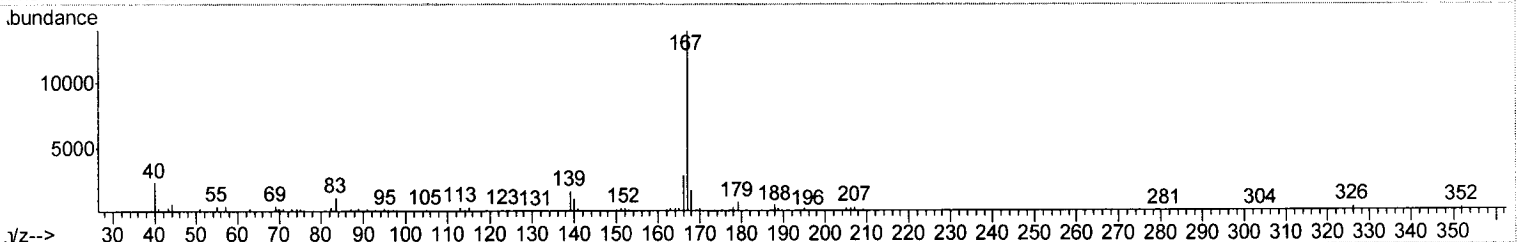
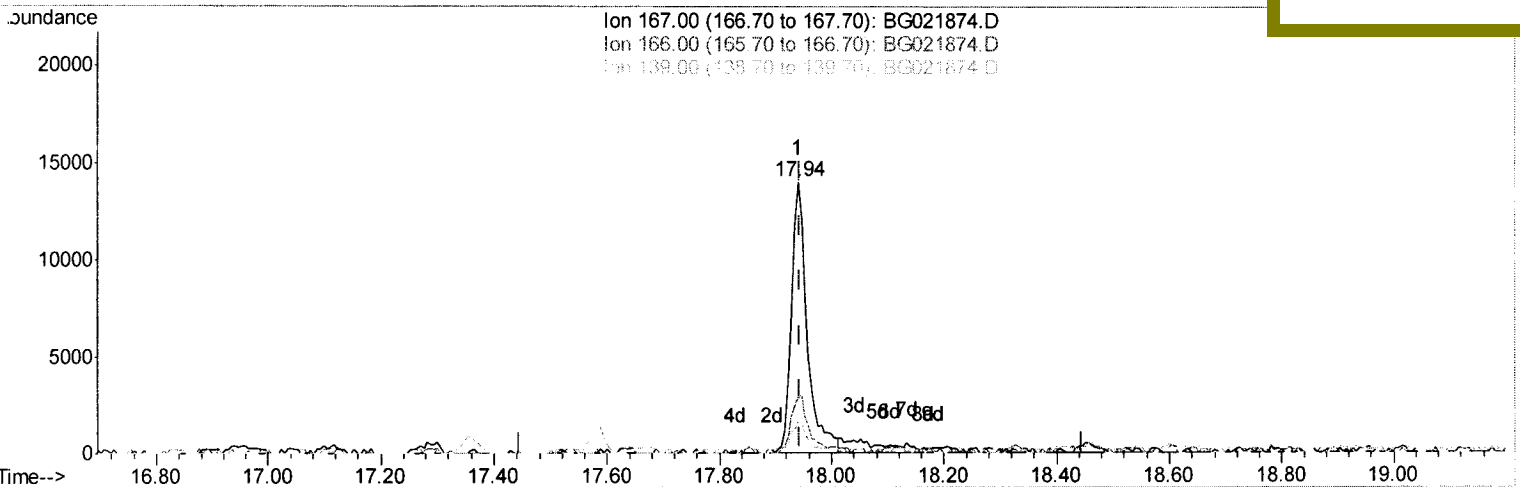
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TIC: BG021874.D

(73) Carbazole

17.941min (-0.005) 1.13ng/ul

response 26951

Ion	Exp%	Act%
167.00	100	100
166.00	23.70	20.93
139.00	15.30	12.05#
0.00	0.00	0.00

Quantitation Report (Qedit)

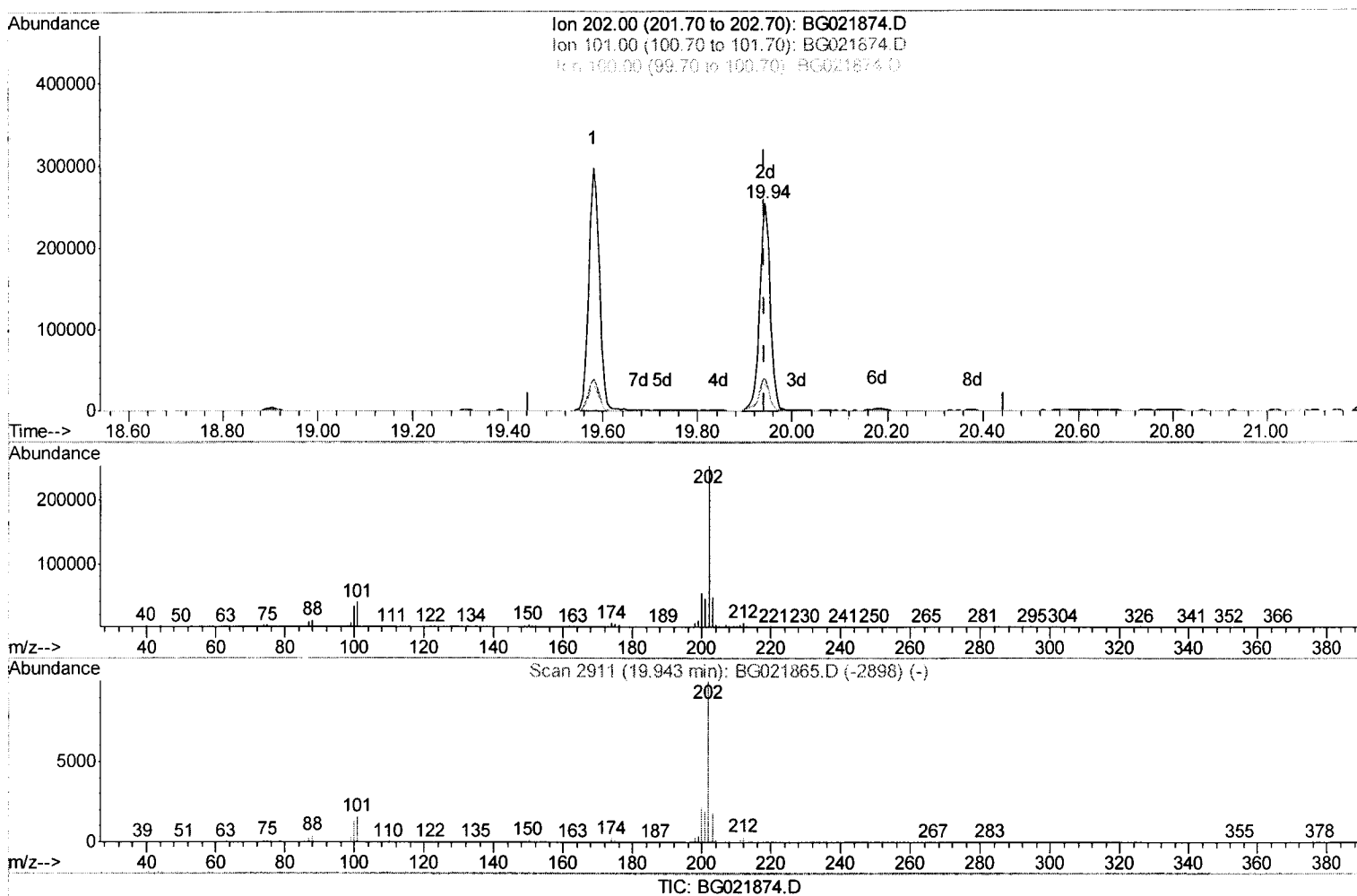
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(78) Pyrene

19.944min (+0.001) 14.37ng/ul m

response 399007

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	15.51#
100.00	11.60	12.92
0.00	0.00	0.00

U.M
 05/16/16

Quantitation Report (Qedit)

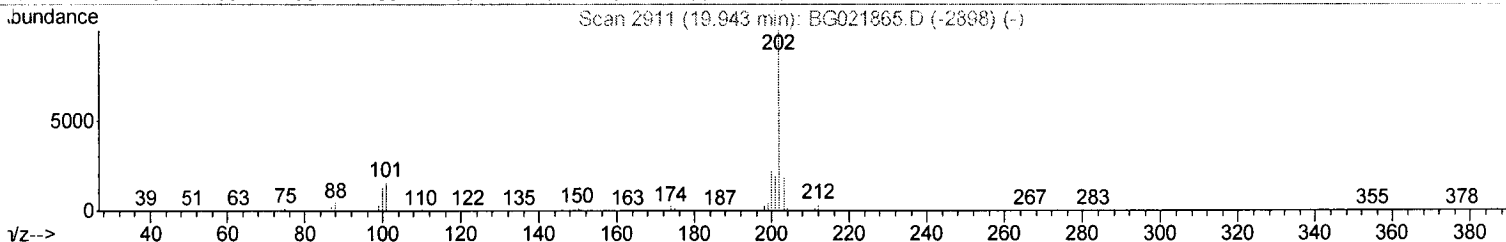
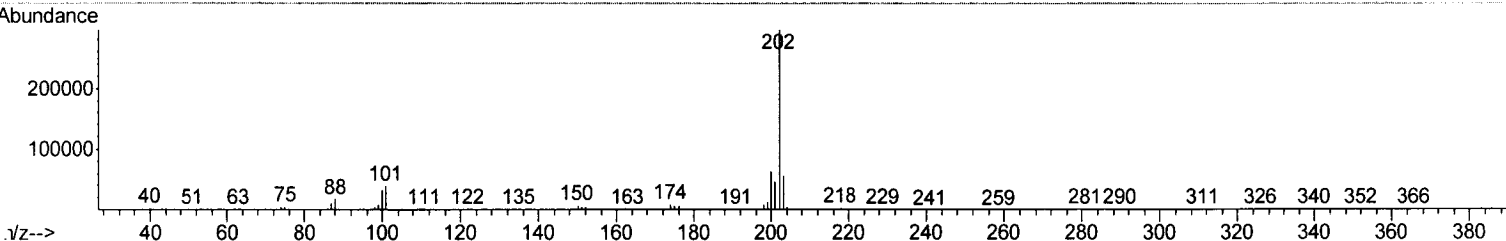
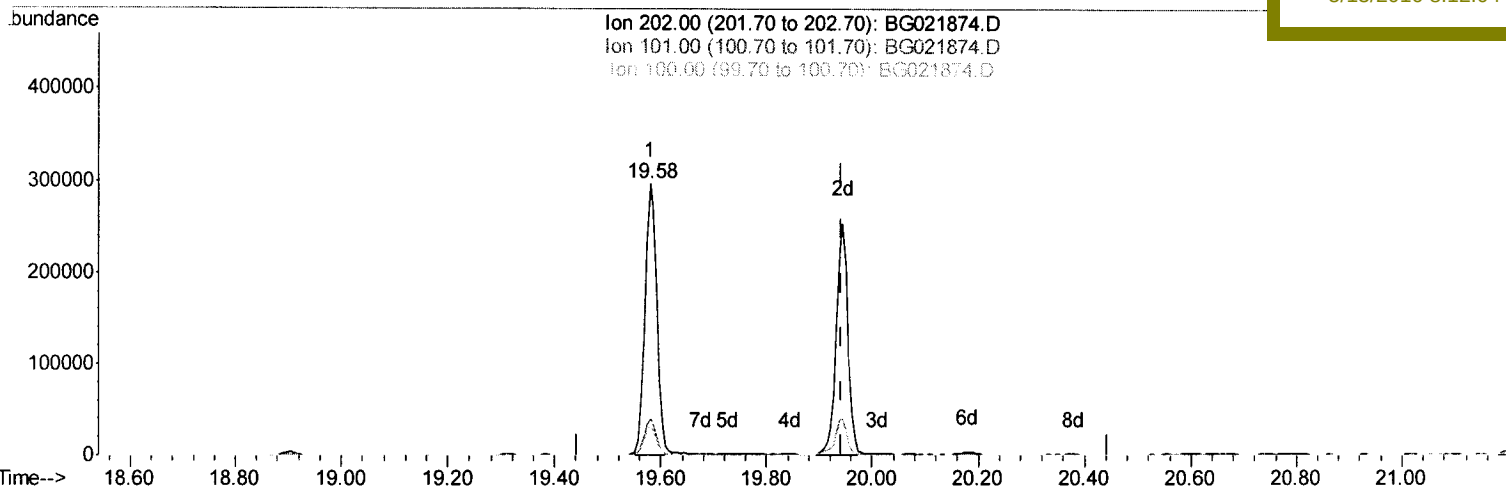
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TIC: BG021874.D

(78) Pyrene

19.580min (-0.363) 16.56ng/ul

response 459941

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.33
100.00	11.60	10.77
0.00	0.00	0.00

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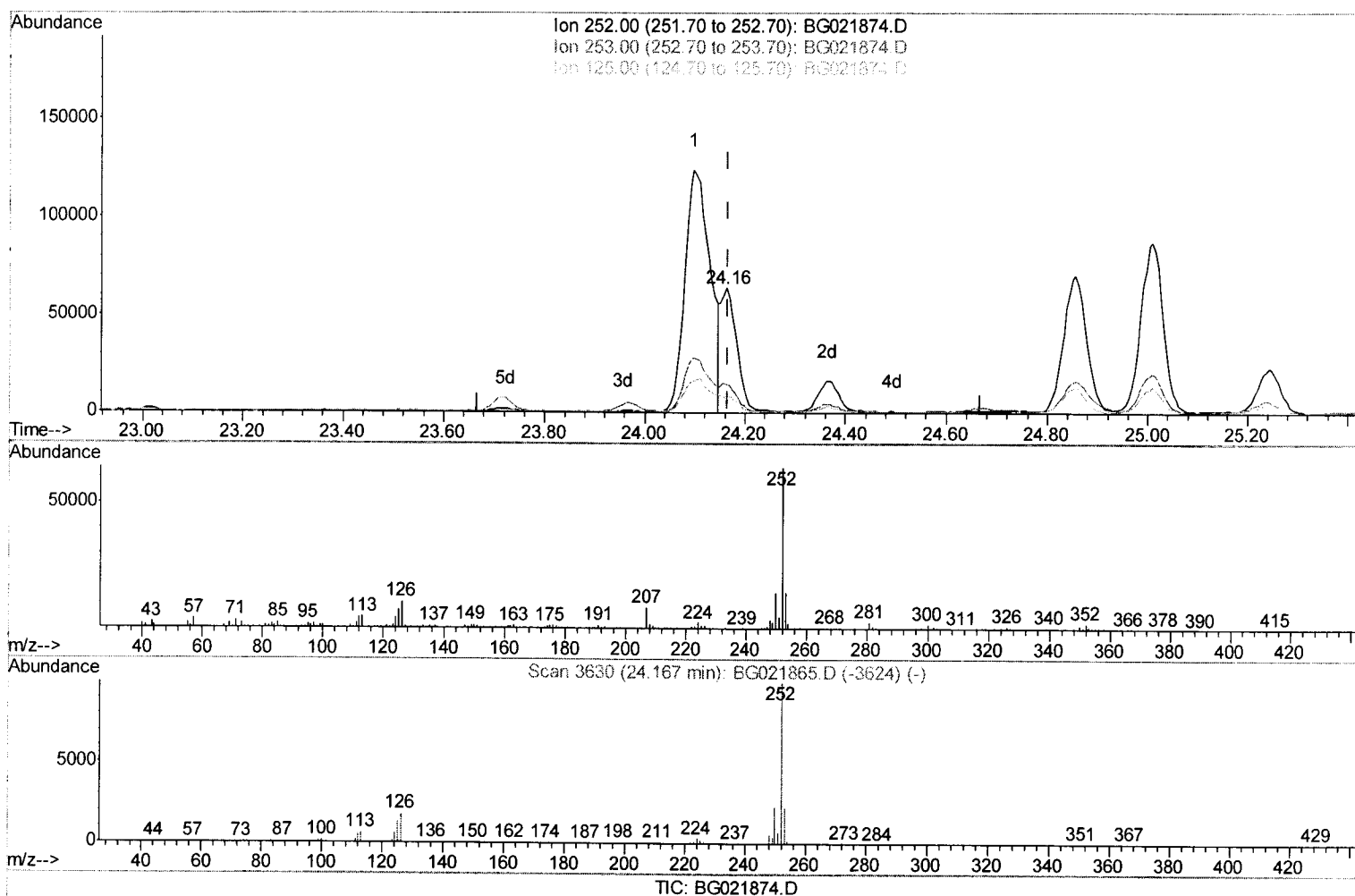
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(87) Benzo(k)fluoranthene

24.163min (-0.005) 4.91ng/ul m

response 145722

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.71
125.00	9.60	11.69#
0.00	0.00	0.00

U.M
 05/16/16

Quantitation Report (Qedit)

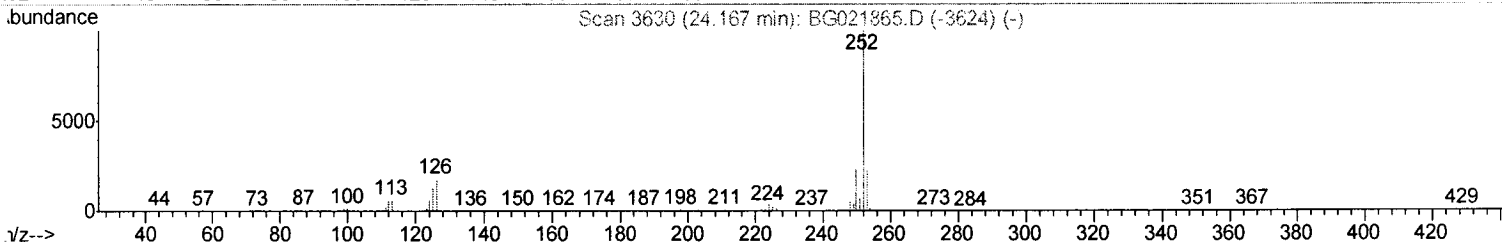
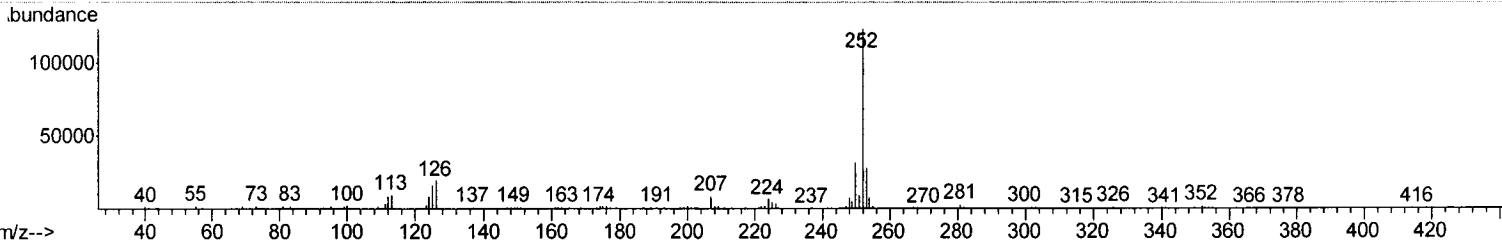
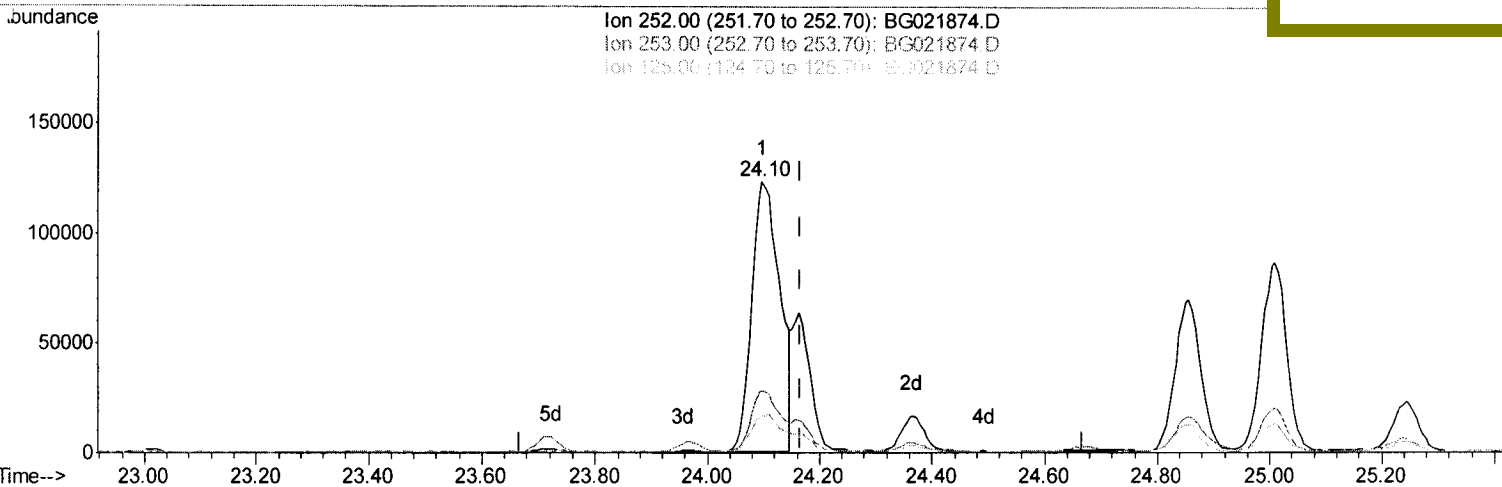
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021874.D
 Acq On : 12 May 2016 18:34
 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK1

Quant Time: May 13 05:01:26 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Manual Integrations
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TIC: BG021874.D

(87) Benzo(k)fluoranthene

24.098min (-0.069) 14.42ng/ul

response 428535

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.61
125.00	9.60	13.15#
0.00	0.00	0.00

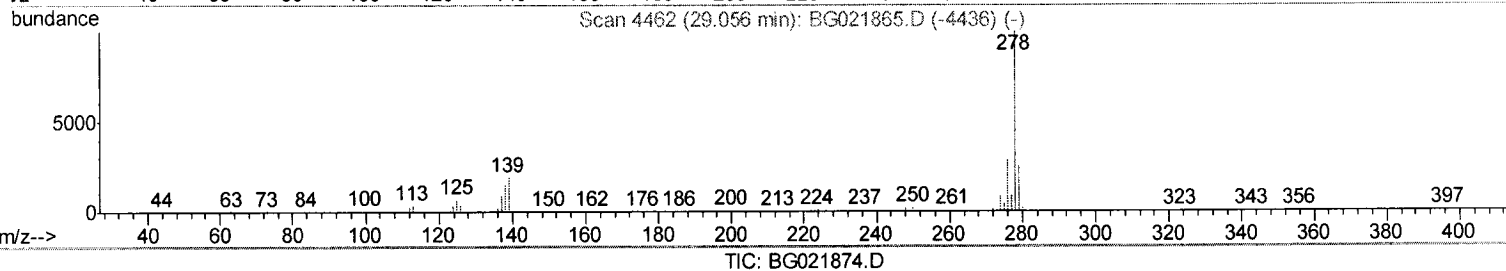
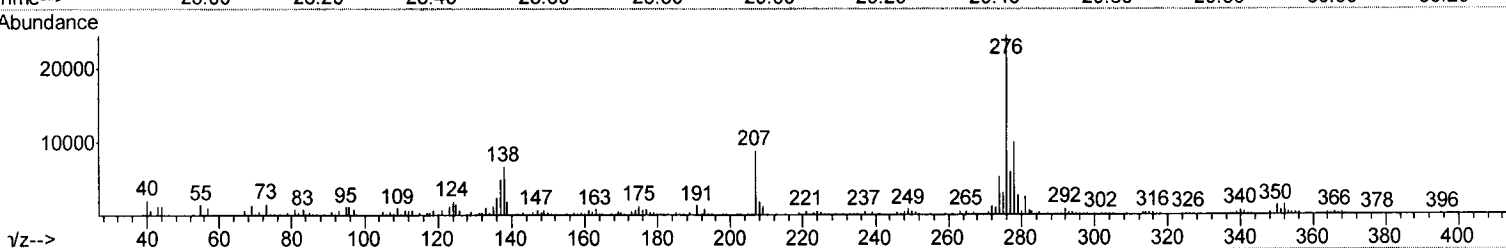
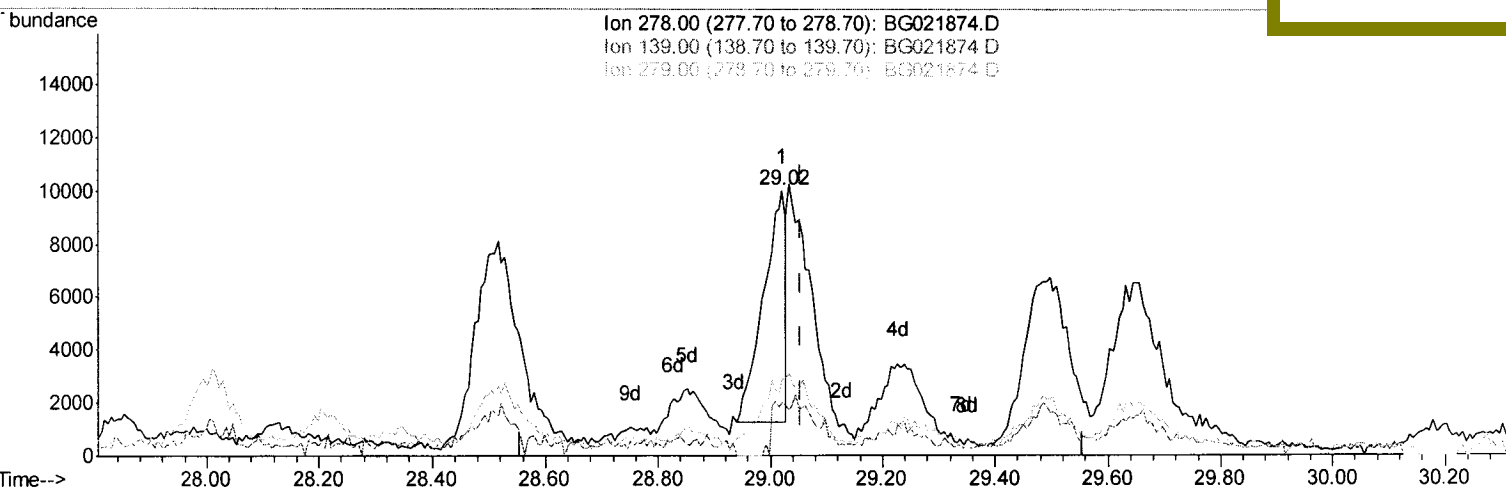
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021874.D
Acq On : 12 May 2016 18:34
Operator : UM/SJ
Sample : H2936-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WK1

Quant Time: May 13 05:01:26 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 13 04:58:59 2016
Response via : Initial Calibration

Manual Integrations
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(91) Dibenzo(a,h)anthracene

29.022min (-0.034) 0.89ng/ul

response 24164

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	19.92#
279.00	24.80	28.54
0.00	0.00	0.00

Quantitation Report (Qedit)

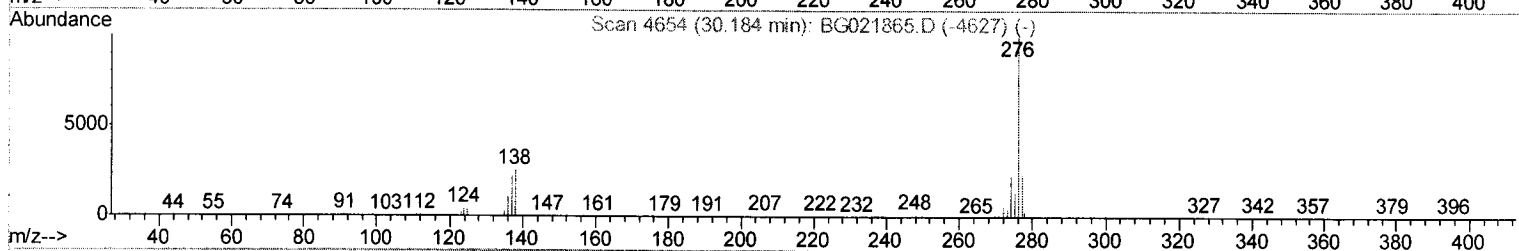
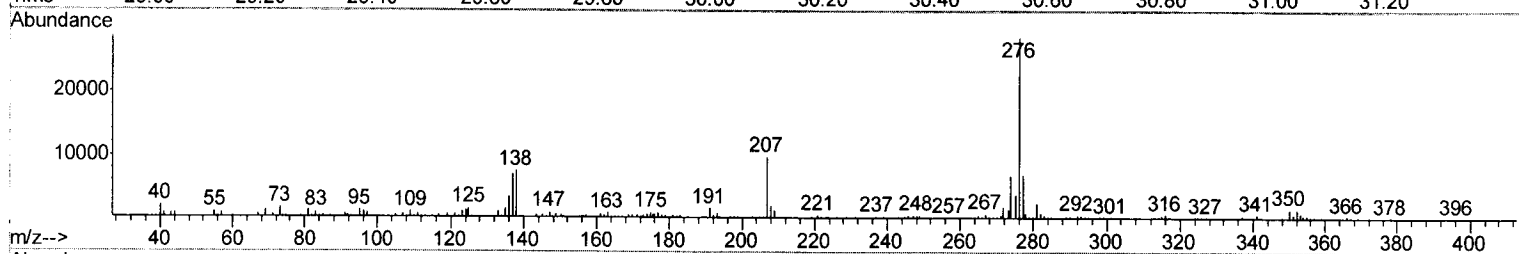
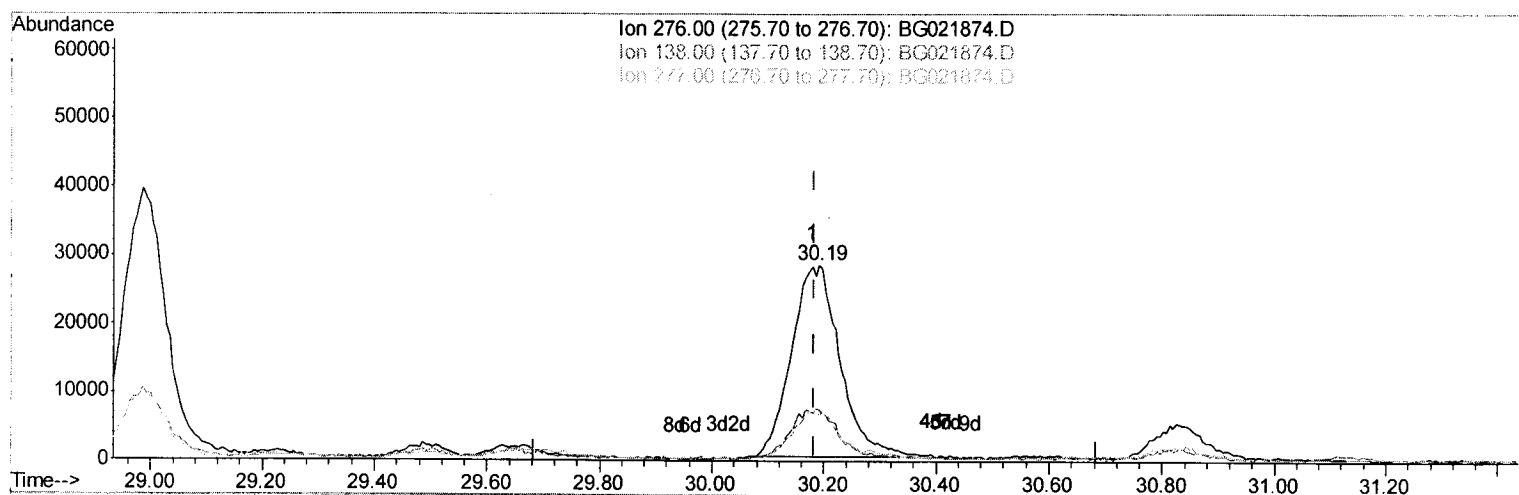
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021874.D
 Acq On : 12 May 2016 18:34
 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK1

Manual Integrations
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Quant Time: May 13 05:01:26 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration



TIC: BG021874.D

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

30.191min (+0.007) 6.21ng/ul m

response 167898

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	26.12#
277.00	24.70	24.21
0.00	0.00	0.00

U.M
 05/16/16

Quantitation Report (Qedit)

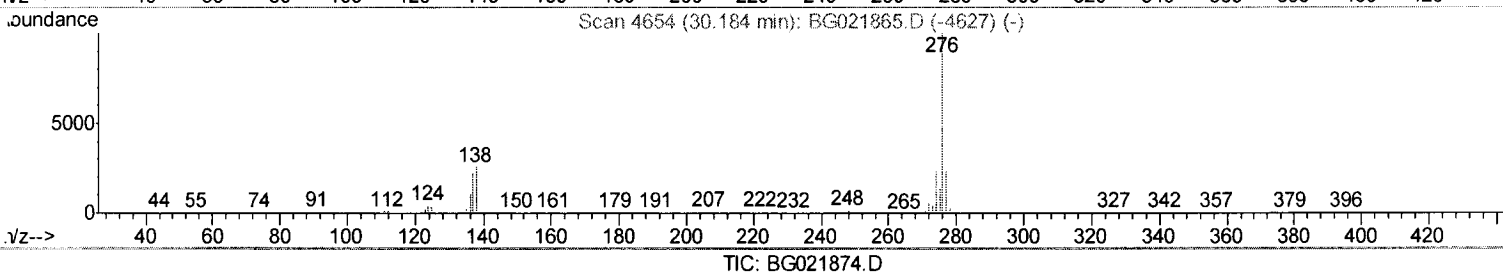
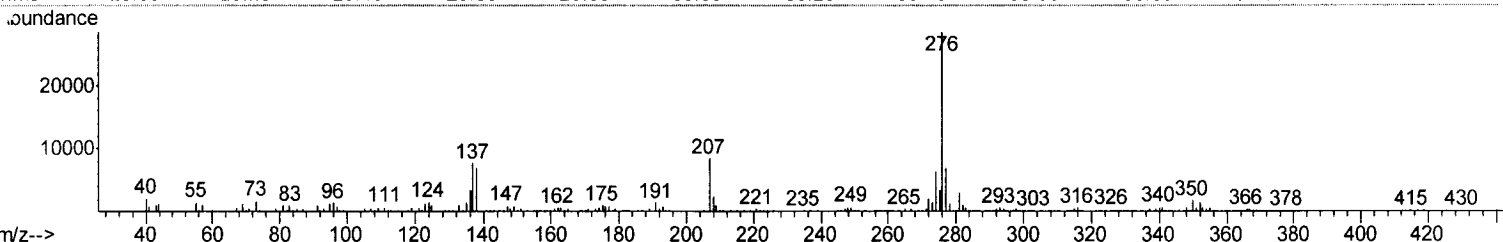
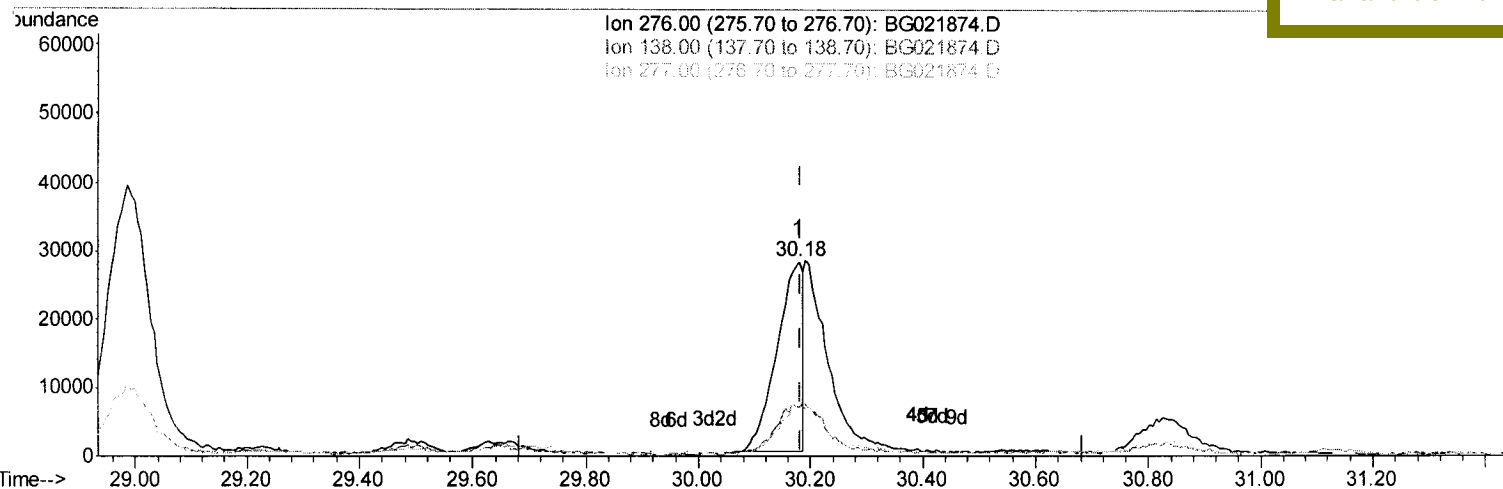
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021874.D
 Acq On : 12 May 2016 18:34
 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 D9WK1

Quant Time: May 13 05:01:26 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

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

30.179min (-0.005) 3.20ng/ul

response 86448

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	24.72#
277.00	24.70	24.60
0.00	0.00	0.00

Quantitation Report (Qedit)

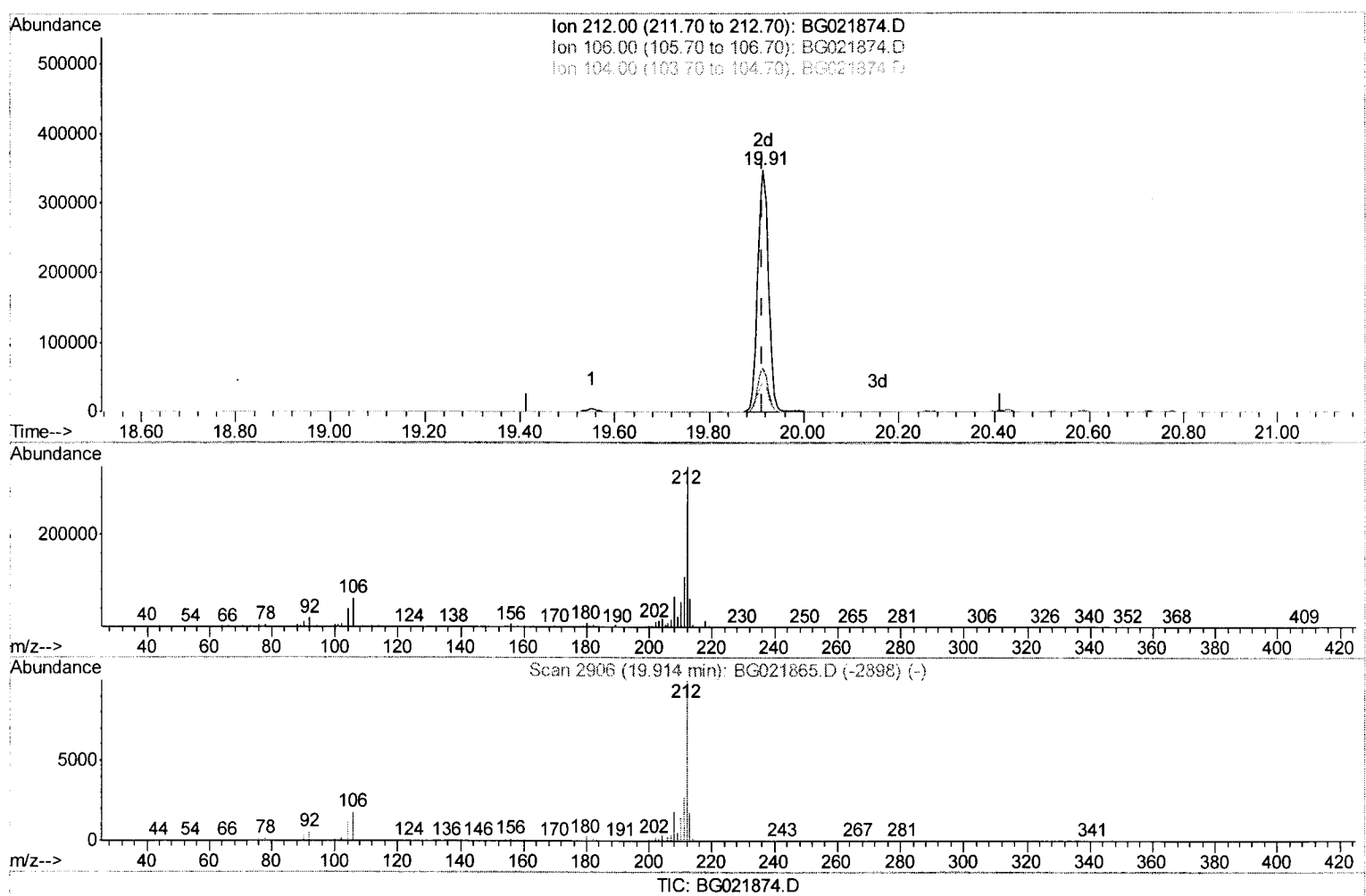
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051216\
 Data File : BG021874.D
 Acq On : 12 May 2016 18:34
 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK1

Manual Integrations
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Quant Time: May 13 06:55:55 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration



(77) Pyrene-d10 (S)

19.915min (+0.001) 24.75ng/ul m

response 556194

Ion	Exp%	Act%
212.00	100	100
106.00	15.30	18.18
104.00	9.40	11.74#
0.00	0.00	0.00

U.M
 05/16/16

Quantitation Report (Qedit)

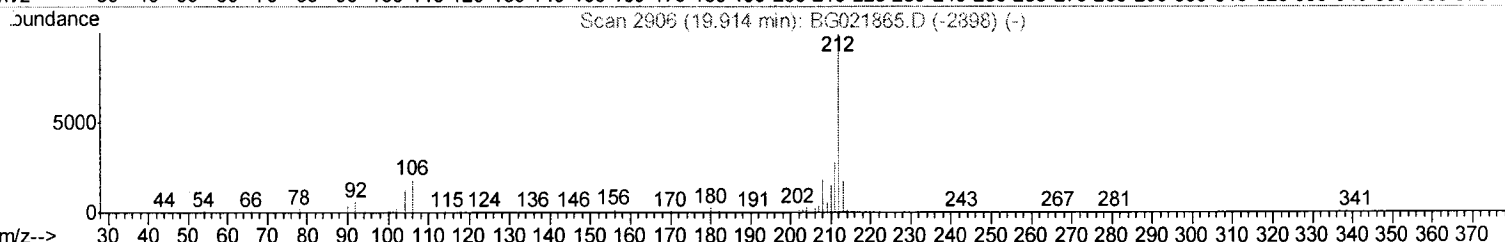
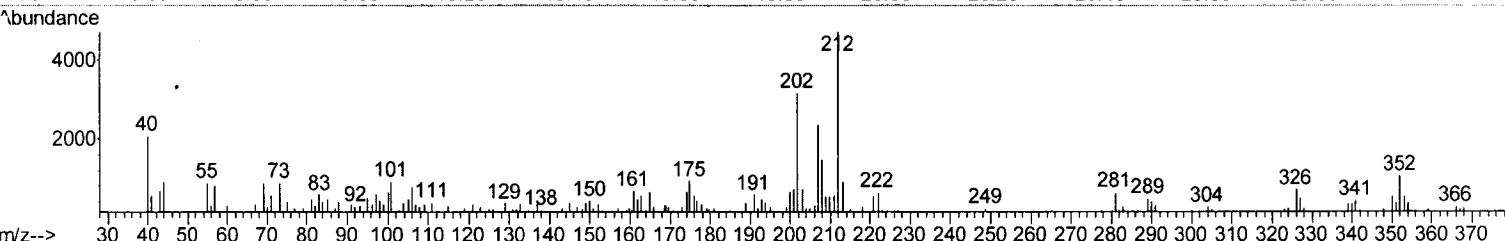
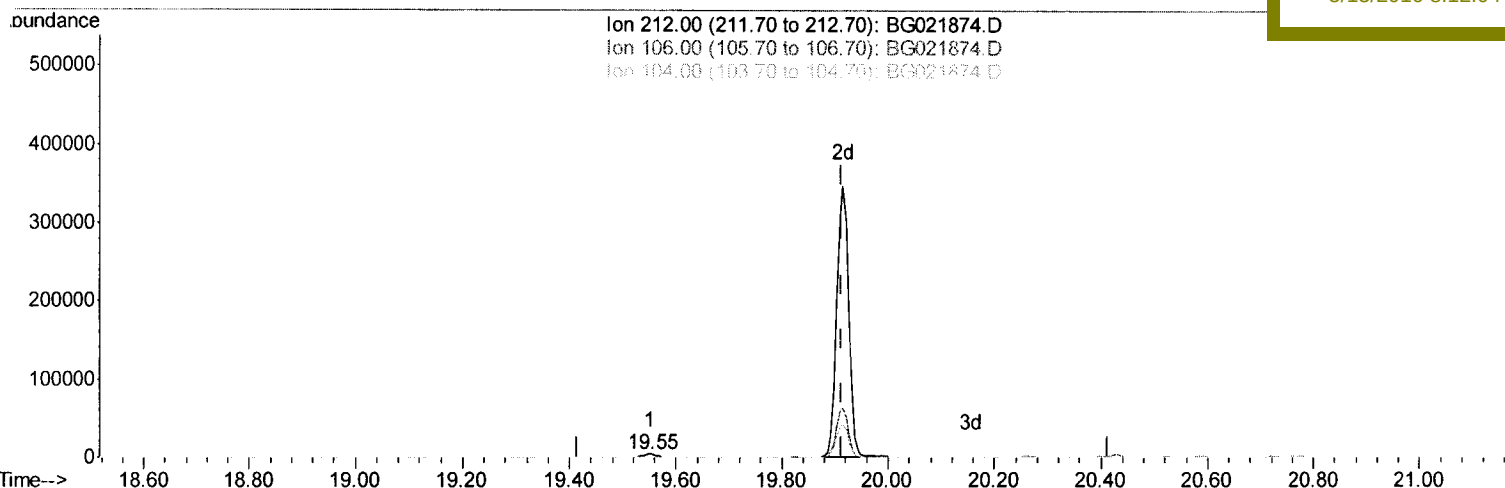
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051216\
 Data File : BG021874.D
 Acq On : 12 May 2016 18:34
 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK1

Quant Time: May 13 06:55:55 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Manual Integrations
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TIC: BG021874.D

(77) Pyrene-d10 (S)

19.550min (-0.363) 0.32ng/ul

response 7277

Ion	Exp%	Act%
212.00	100	100
106.00	15.30	16.23
104.00	9.40	8.01
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051216\
 Data File : BG021874.D
 Acq On : 12 May 2016 18:34
 Operator : UM/SJ
 Sample : H2936-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK1

Quant Time: May 13 12:30:58 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 13 04:58:59 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	68841	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	389360	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	238516	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	495966	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	480087	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	484806	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	5537m	3.88	ng/uL	0.00
5) Phenol-d5	7.32	99	150500	29.46	ng/ul	0.00
7) Bis- (2-Chloroethyl) ether-d	7.49	67	65703	25.94	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	136698	34.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	136855	31.90	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	66947	26.15	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	83627m	51.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	147688	32.30	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	119899m	24.34	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	437121	26.09	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	589244	24.77	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	70961m	24.71	ng/ul	0.00
58) Fluorene-d10	15.78	176	399101	22.63	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	27700m	20.16	ng/ul	0.00
71) Anthracene-d10	17.64	188	537534	22.27	ng/ul	0.00
77) Pyrene-d10	19.91	212	556194m	24.75	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	532125	23.10	ng/ul	0.00

Target Compounds

						Qvalue
45) Dimethylphthalate	14.24	163	73819	4.33	ng/ul#	98
70) Phenanthrene	17.58	178	225589	8.32	ng/ul	96
72) Anthracene	17.67	178	48885	1.77	ng/ul	99
73) Carbazole	17.94	167	28855m	1.21	ng/ul	
75) Fluoranthene	19.58	202	459941	14.93	ng/ul#	94
78) Pyrene	19.94	202	399007m	14.37	ng/ul	
81) Benzo(a)anthracene	21.80	228	256413	9.60	ng/ul	97
82) Bis(2-ethylhexyl)phthalate	21.69	149	60696	6.06	ng/ul	99
83) Chrysene	21.87	228	265412	10.04	ng/ul	96
86) Benzo(b)fluoranthene	24.10	252	428535	15.44	ng/ul#	97
87) Benzo(k)fluoranthene	24.16	252	145722m	4.91	ng/ul	
89) Benzo(a)pyrene	25.01	252	270919	9.81	ng/ul#	93
90) Indeno(1,2,3-cd)pyrene	28.99	276	202761	6.19	ng/ul#	92
91) Dibenzo(a,h)anthracene	29.03	278	48743m	1.79	ng/ul	
92) Benzo(g,h,i)perylene	30.19	276	167898m	6.21	ng/ul	

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