

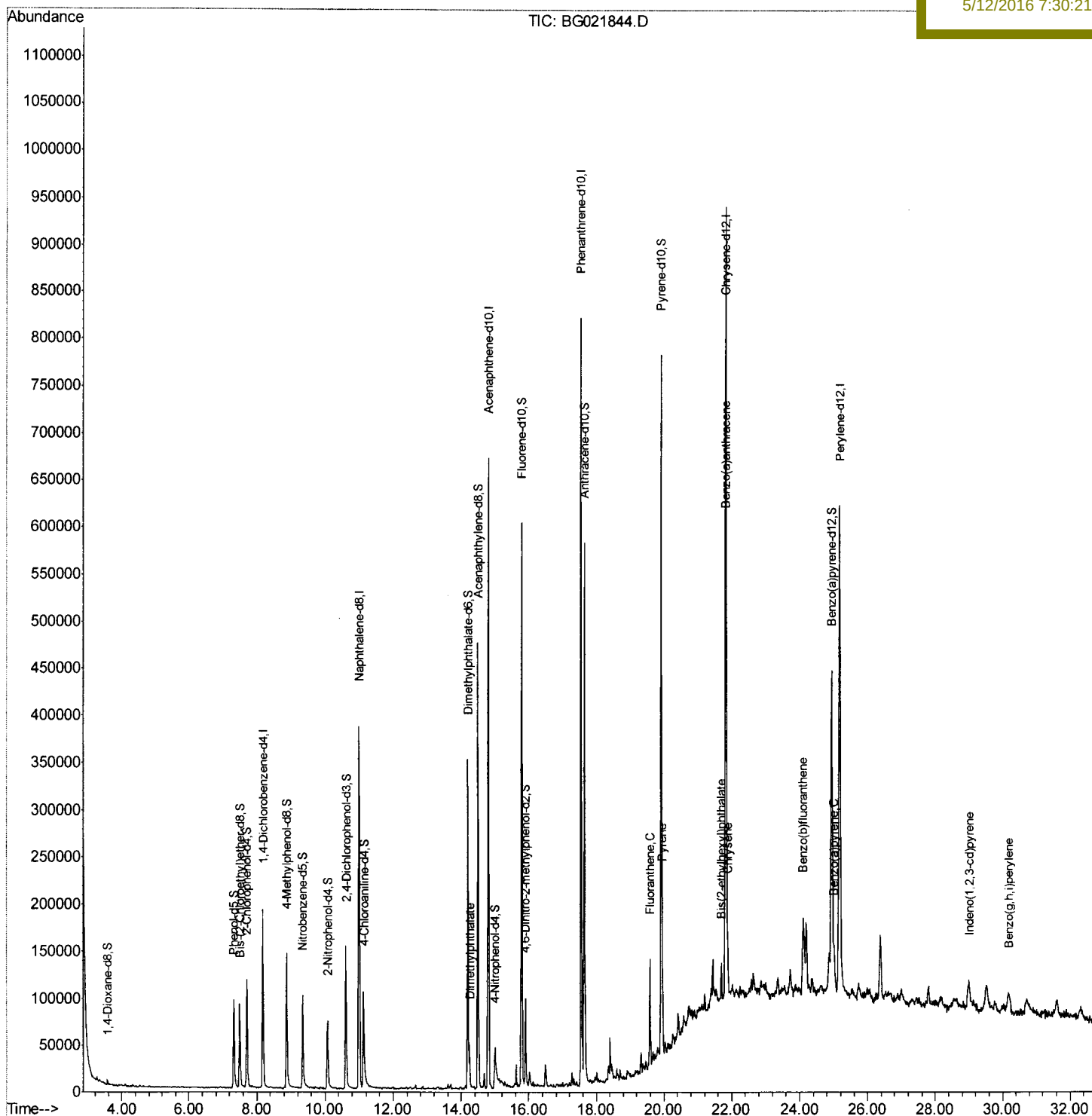
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
Data File : BG021844.D
Acq On : 11 May 2016 14:59
Operator : UM/SJ
Sample : H2937-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 12 06:48:00 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 04:46:15 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9X90

Manual Integrations
APPROVED

sohil
5/12/2016 7:30:21 PM



Quantitation Report (Qedit)

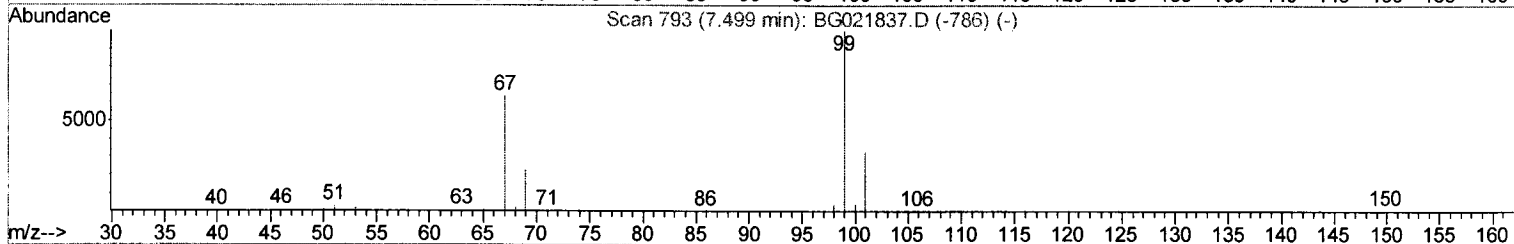
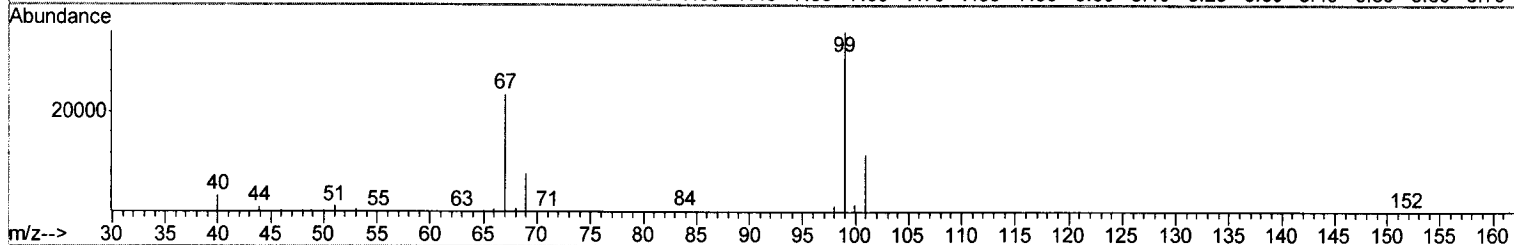
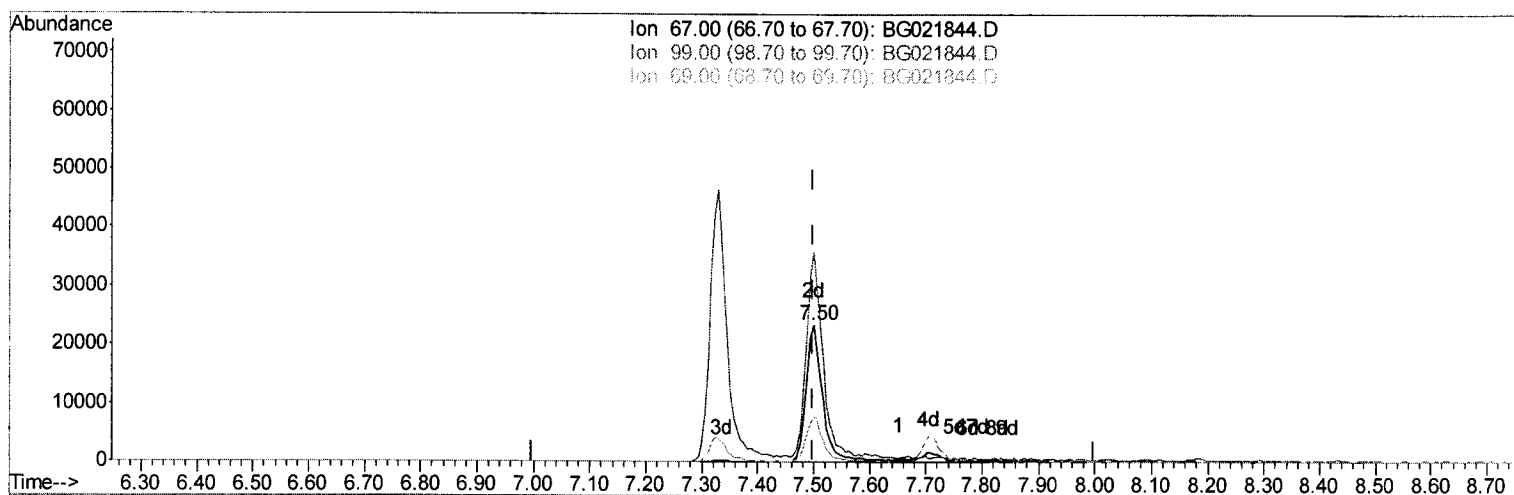
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
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Manual Integrations
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Quant Time: May 12 04:49:20 2016
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TIC: BG021844.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.499min (+0.000) 15.91ng/ul m

response 46898

Ion	Exp%	Act%
67.00	100	100
99.00	104.60	152.74#
69.00	33.20	33.23
0.00	0.00	0.00

UM
 05/14/16

Quantitation Report (Qedit)

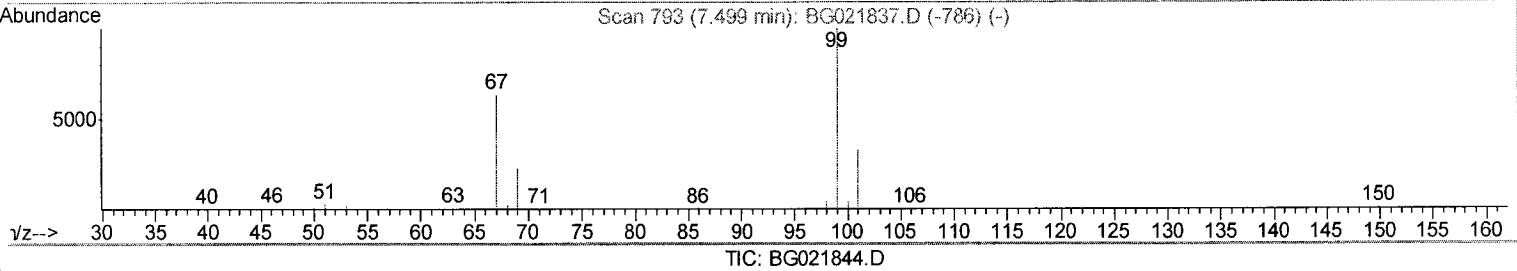
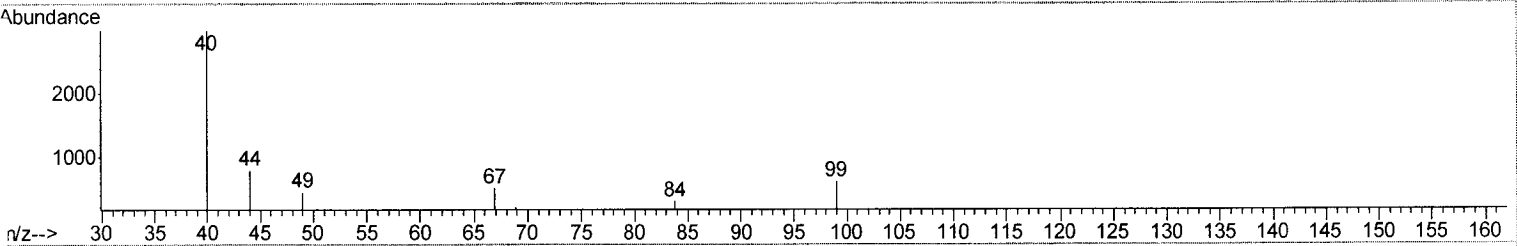
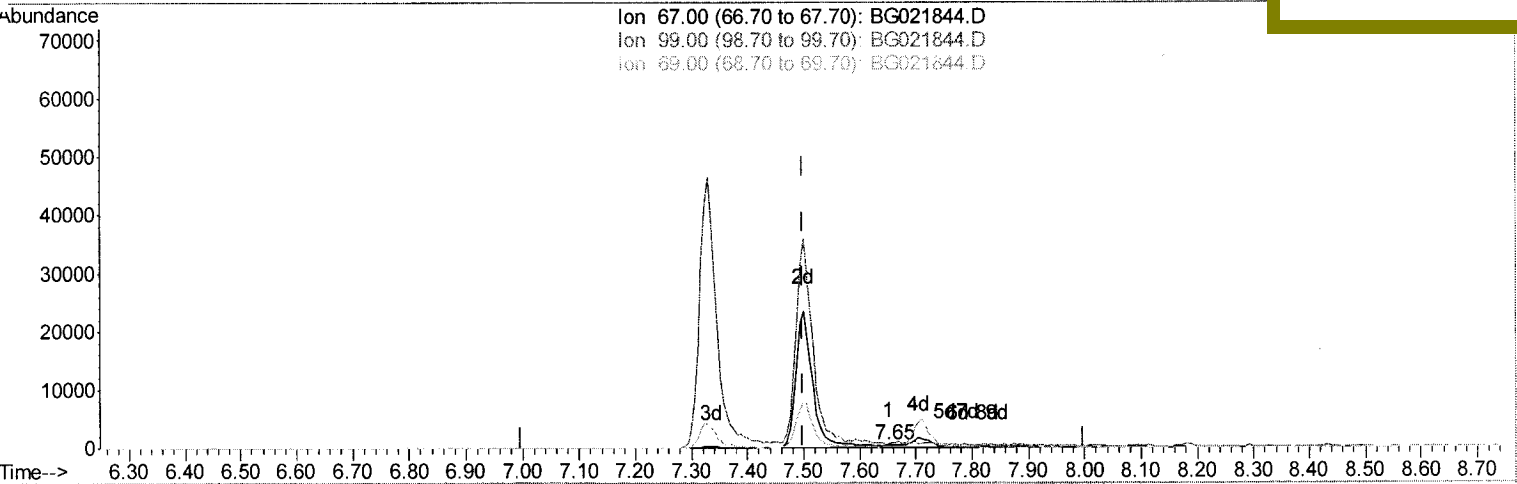
Data Path : Z:\HPCHEM1\BNA G\Data\BG0511116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 D9X90

Quant Time: May 12 04:49:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration

Manual Integrations
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(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.652min (+0.153) 0.07ng/ul

response 205

Ion	Exp%	Act%
67.00	100	100
99.00	104.60	119.45
69.00	33.20	38.51
0.00	0.00	0.00

Quantitation Report (Qedit)

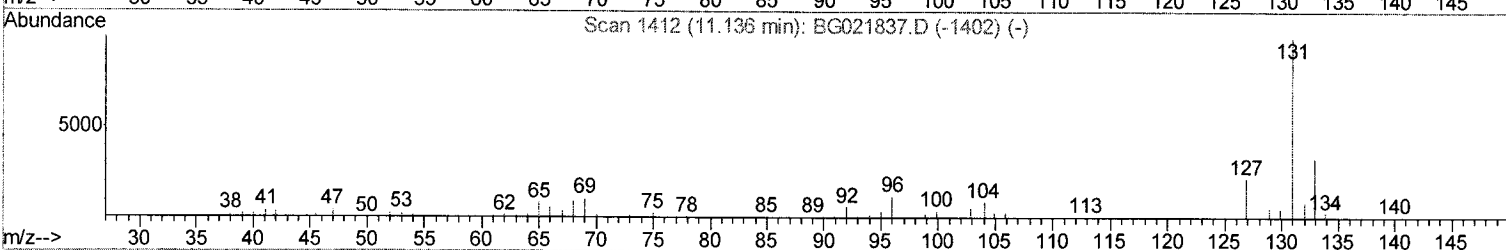
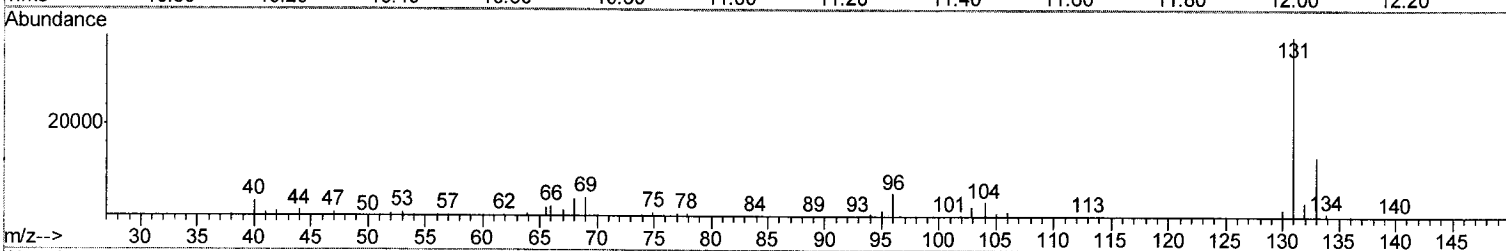
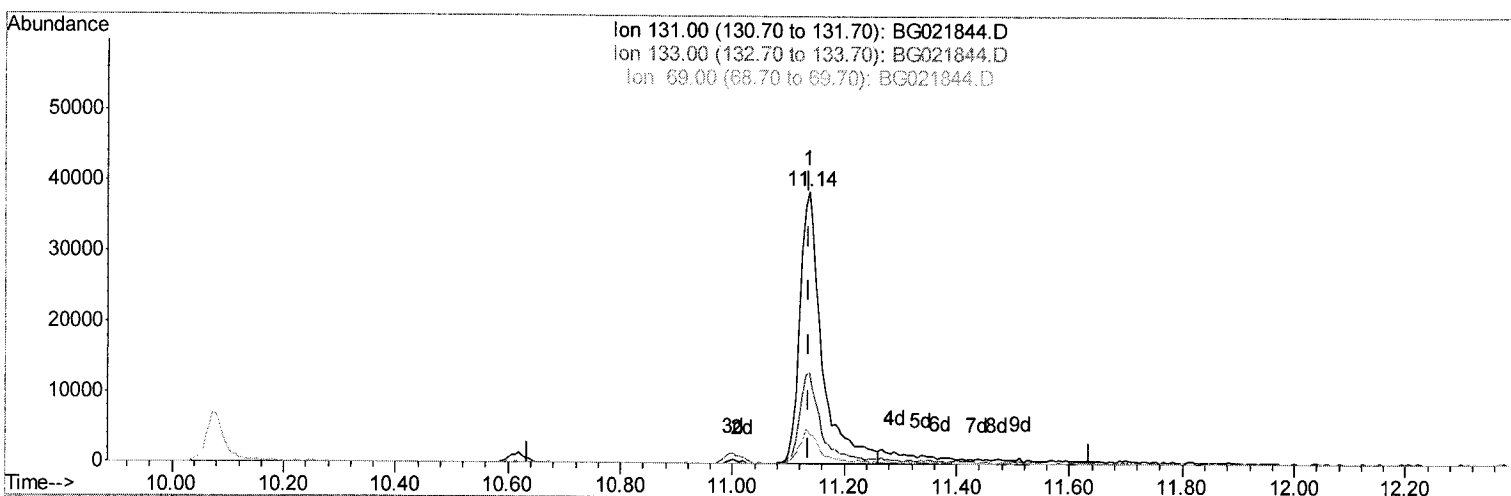
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9X90

Manual Integrations
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Quant Time: May 12 04:49:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration



TIC: BG021844.D

(29) 4-Chloroaniline-d4 (S)

11.136min (+0.000) 18.92ng/ul m *U.M*
05/14/16
 response 106095

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	33.64
69.00	23.00	10.77#
0.00	0.00	0.00

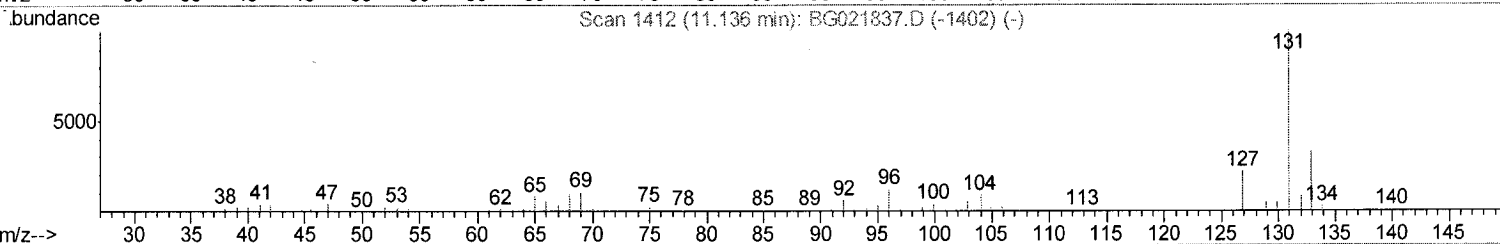
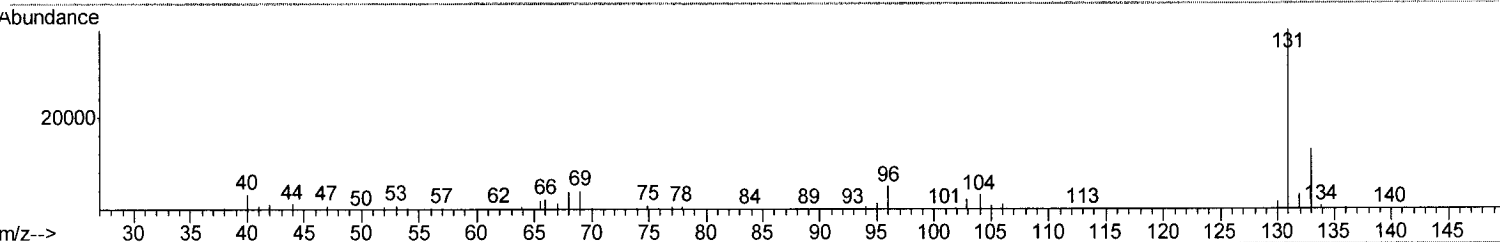
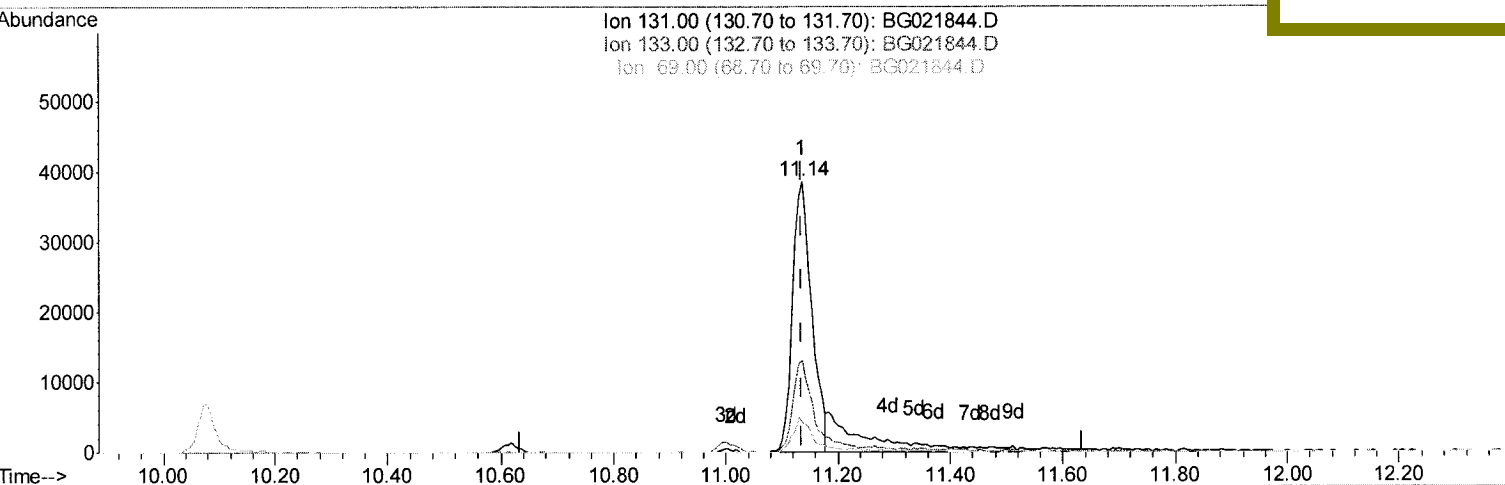
Data Path : Z:\HPCHEM1\BNA G\Data\BG0511116\
Data File : BG021844.D
Acq On : 11 May 2016 14:59
Operator : UM/SJ
Sample : H2937-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9X90

Quant Time: May 12 04:49:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 04:46:15 2016
Response via : Initial Calibration

Manual Integrations
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TIC: BG021844.D

(29) 4-Chloroaniline-d4 (S)

11.136min (+0.000) 16.22ng/ul

response 90943

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	33.64
69.00	23.00	10.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

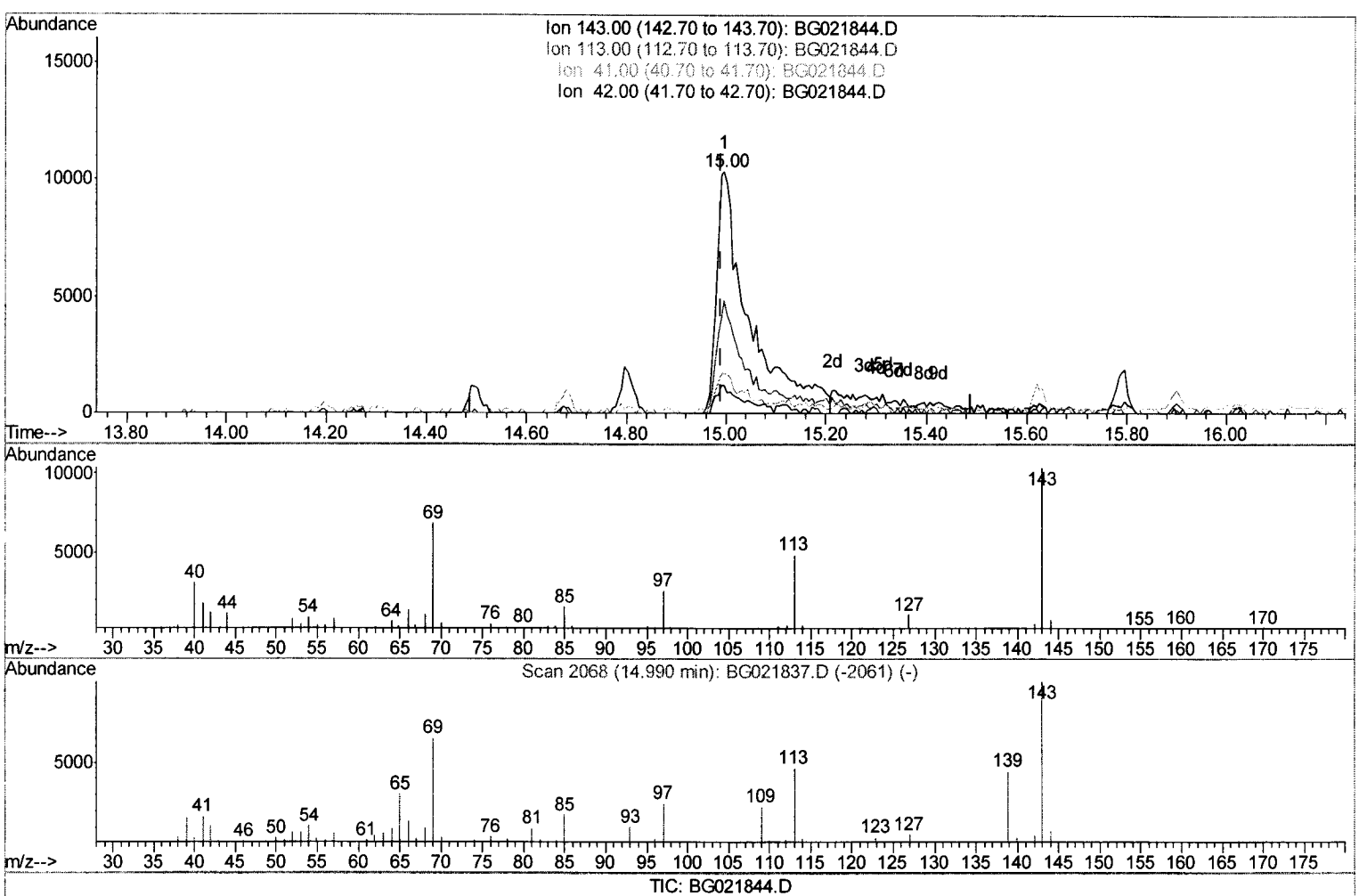
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9X90

Manual Integrations
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Quant Time: May 12 04:49:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration



(52) 4-Nitrophenol-d4 (S)

14.996min (+0.006) 14.56ng/ul m

response 47435

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	46.83#
41.00	49.70	16.93#
42.00	33.70	11.75#

U.M
 5/14/16

Quantitation Report (Qedit)

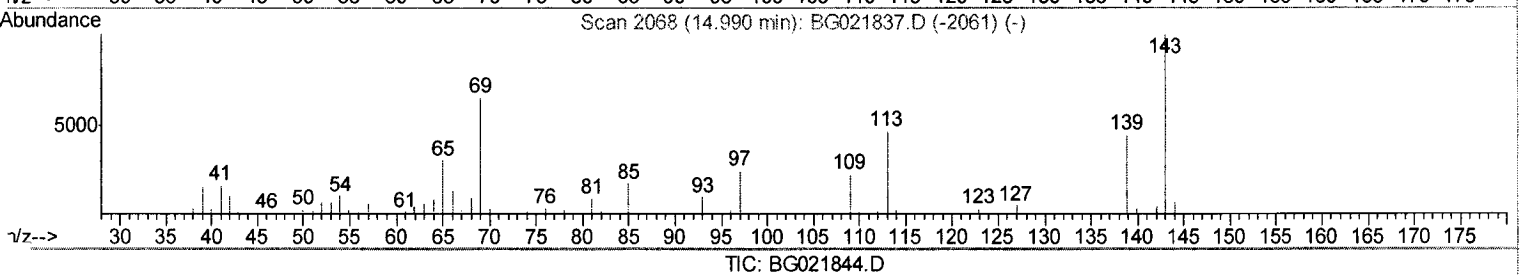
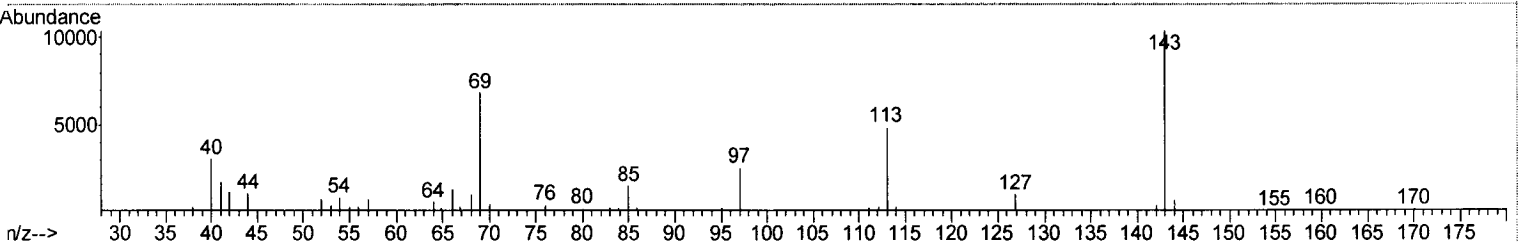
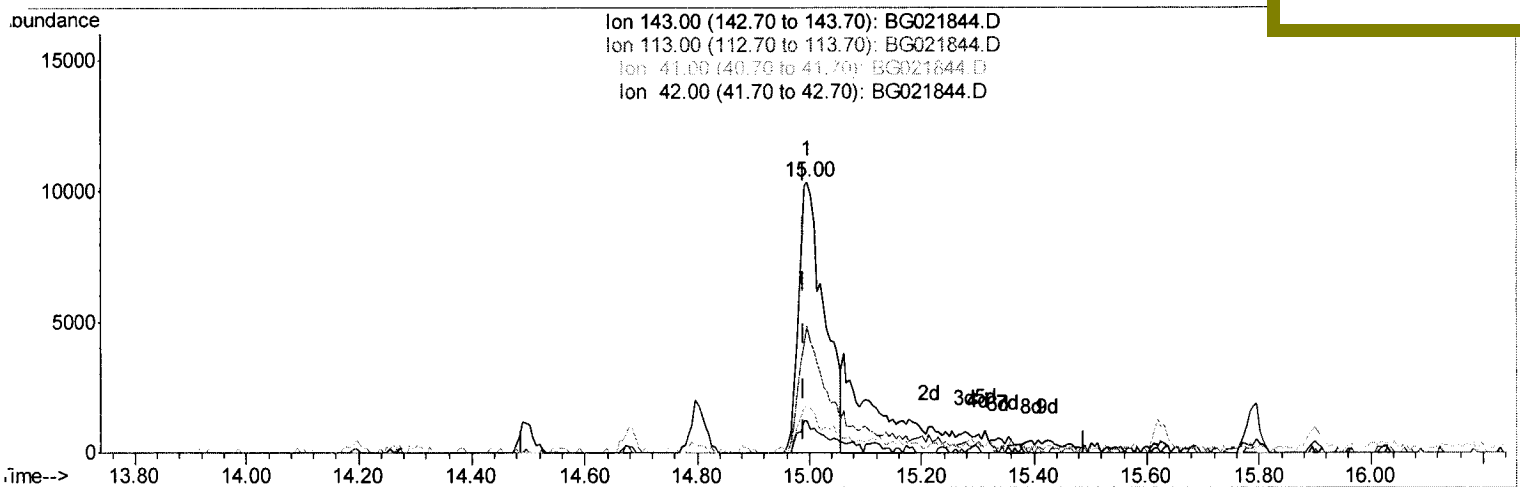
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
Data File : BG021844.D
Acq On : 11 May 2016 14:59
Operator : UM/SJ
Sample : H2937-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9X90

Quant Time: May 12 04:49:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 04:46:15 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
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(52) 4-Nitrophenol-d4 (S)

14.996min (+0.006) 10.00ng/ul

response 32574

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	46.83#
41.00	49.70	16.93#
42.00	33.70	11.75#

Quantitation Report (Qedit)

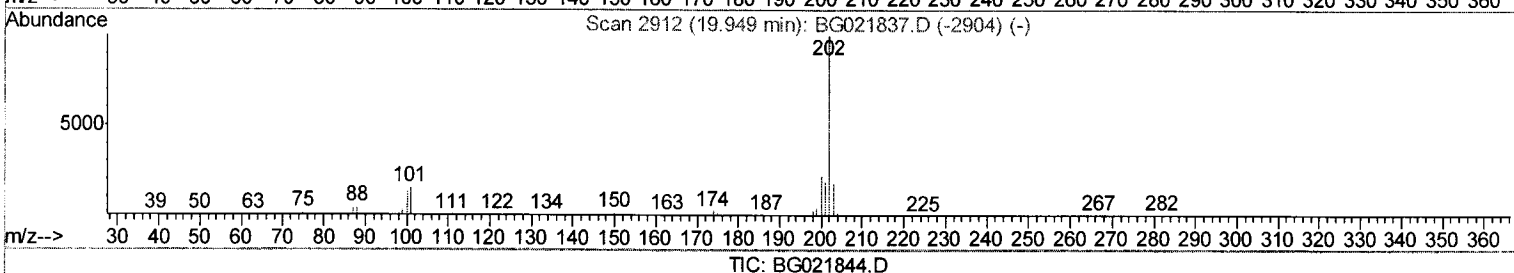
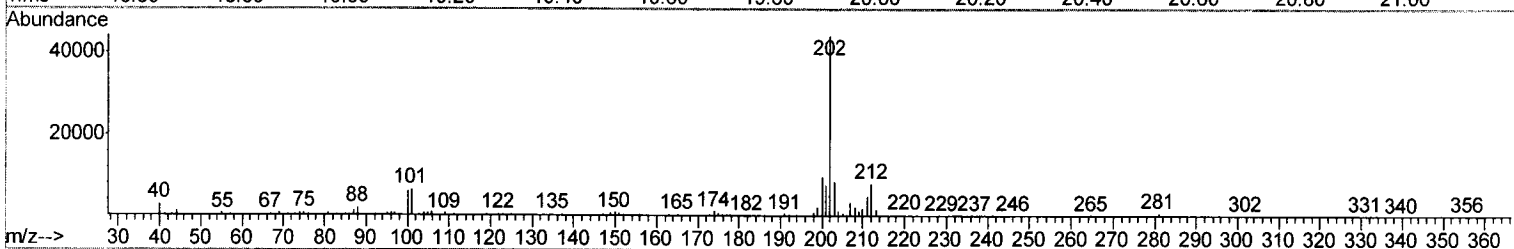
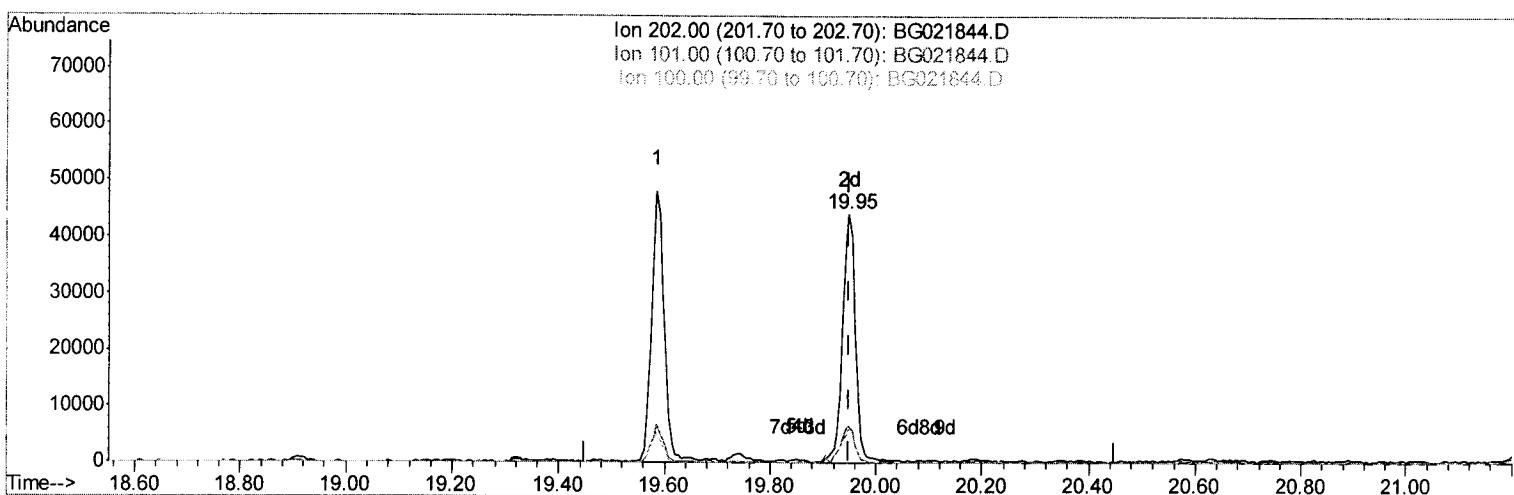
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9X90

Manual Integrations
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Quant Time: May 12 04:49:20 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration



(78) Pyrene

19.949min (+0.000) 2.32ng/ul m

response 75914

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	15.01#
100.00	11.60	13.76
0.00	0.00	0.00

U.M
 05/14/16

Quantitation Report (Qedit)

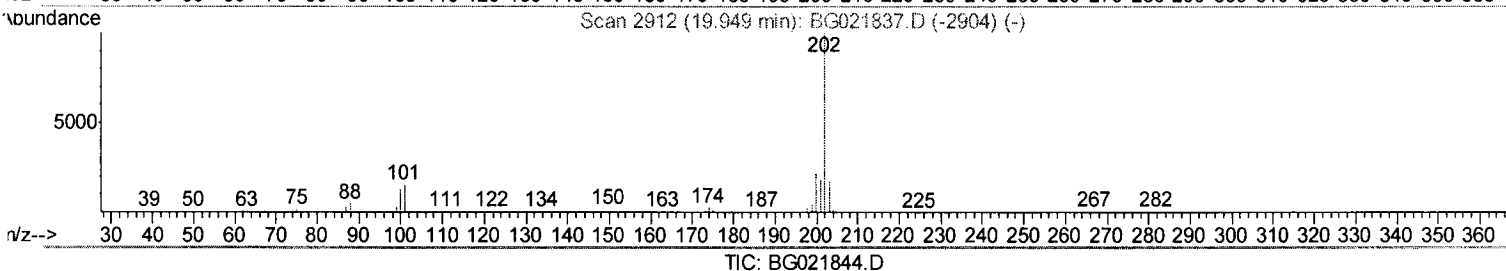
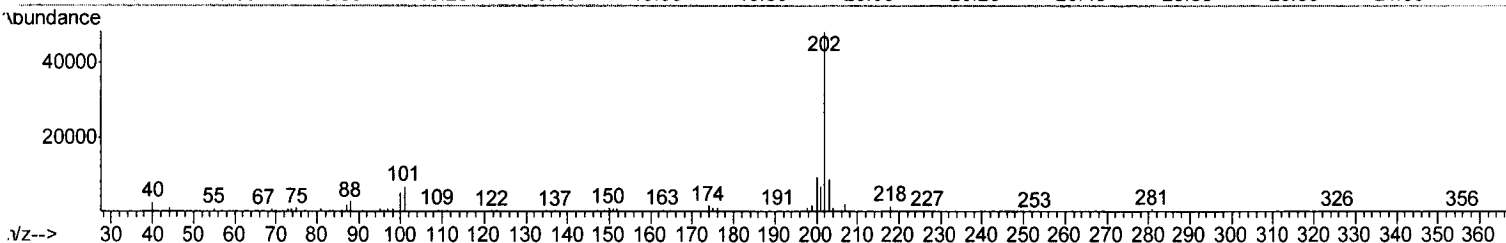
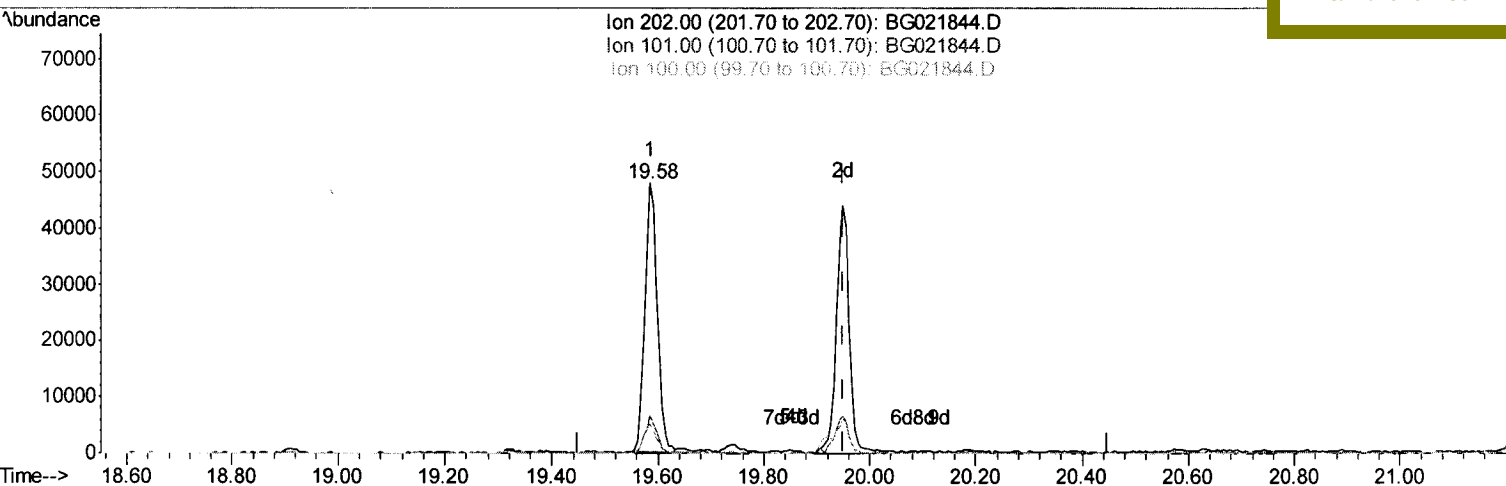
Data Path : Z:\HPCHEM1\BNA G\Data\BG0511116\
Data File : BG021844.D
Acq On : 11 May 2016 14:59
Operator : UM/SJ
Sample : H2937-12
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9X90

Quant Time: May 12 04:49:20 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 12 04:46:15 2016
Response via : Initial Calibration

Manual Integrations
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(78) Pyrene

19.585min (-0.364) 2.34ng/ul

response 76757

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	14.25
100.00	11.60	10.75
0.00	0.00	0.00

Quantitation Report (Qedit)

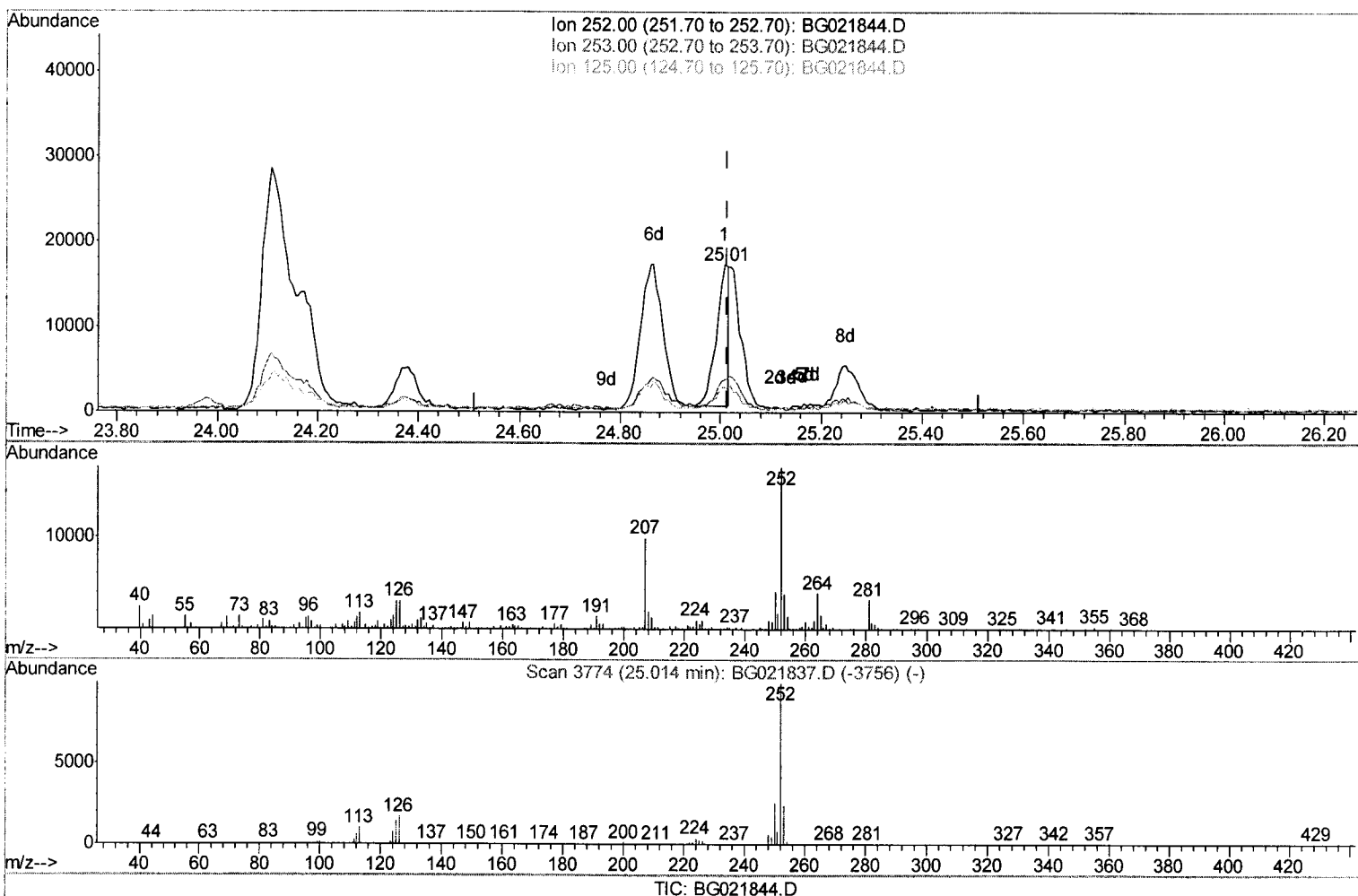
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9X90

Manual Integrations
 APPROVED

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Quant Time: May 12 06:47:04 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration



(89) Benzo(a)pyrene (C)

25.008min (-0.006) 0.86ng/ul

response 27254

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.77
125.00	10.20	17.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

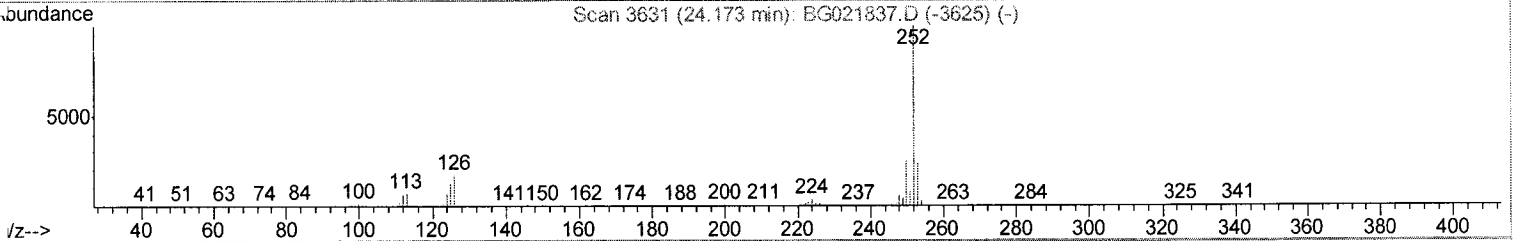
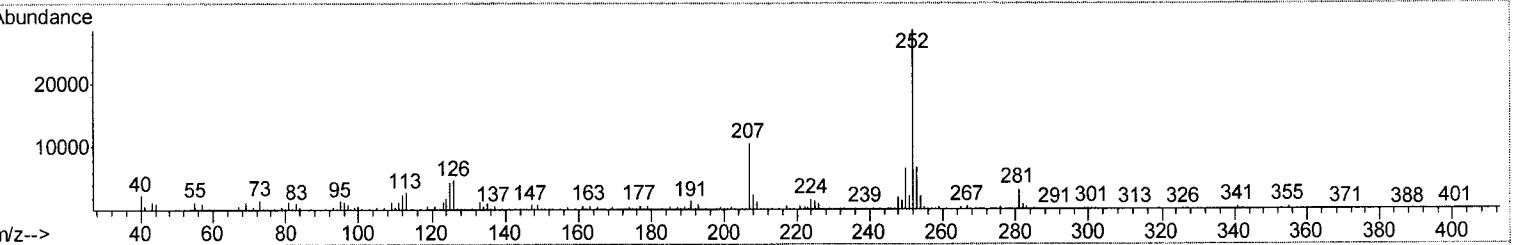
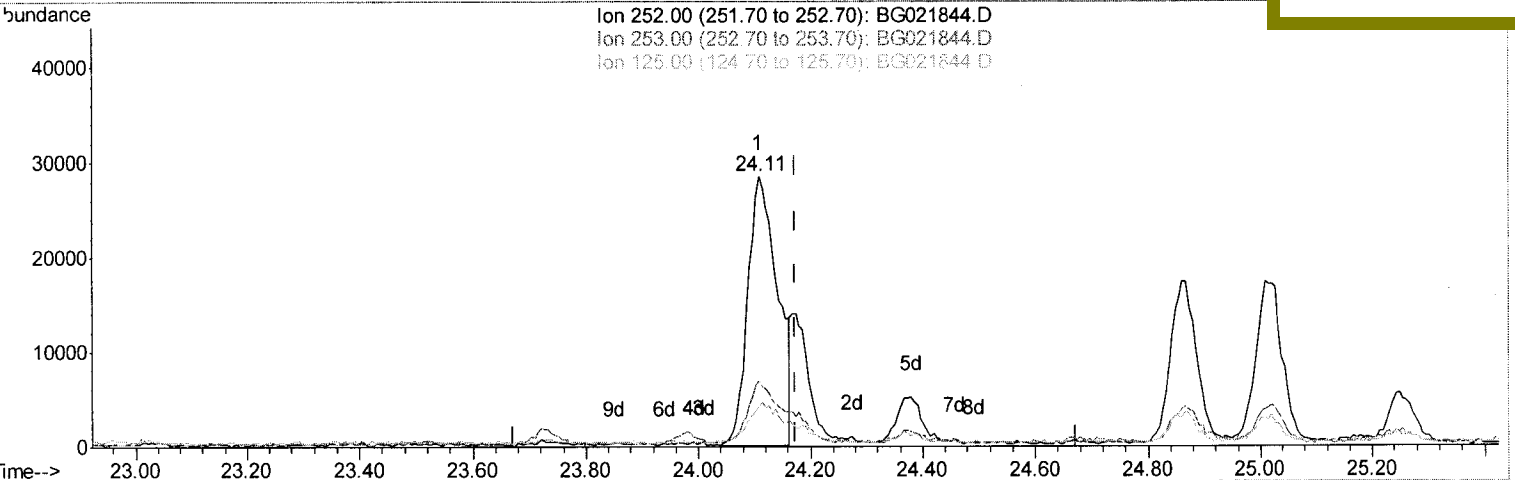
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9X90

Manual Integrations
 APPROVED

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Quant Time: May 12 06:45:29 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration



TIC: BG021844.D

(87) Benzo(k)fluoranthene

24.109min (-0.064) 3.07ng/ul

response 104971

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	24.02
125.00	9.60	15.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

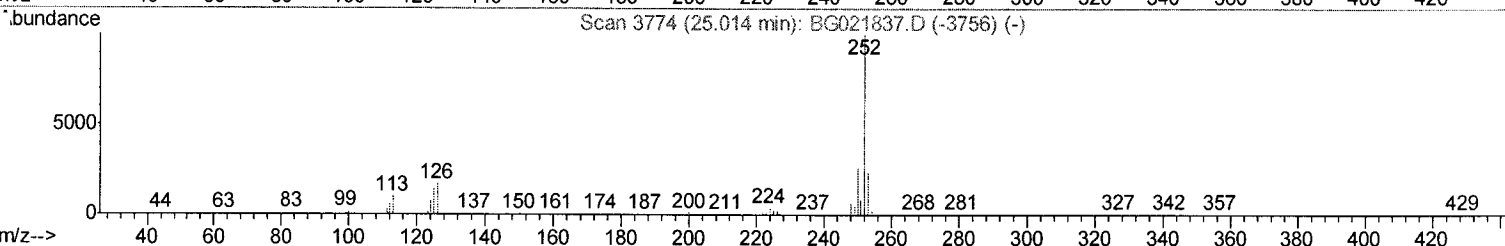
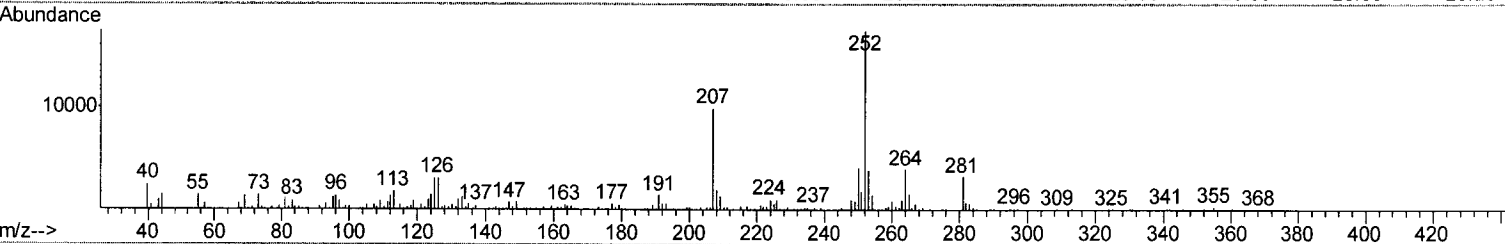
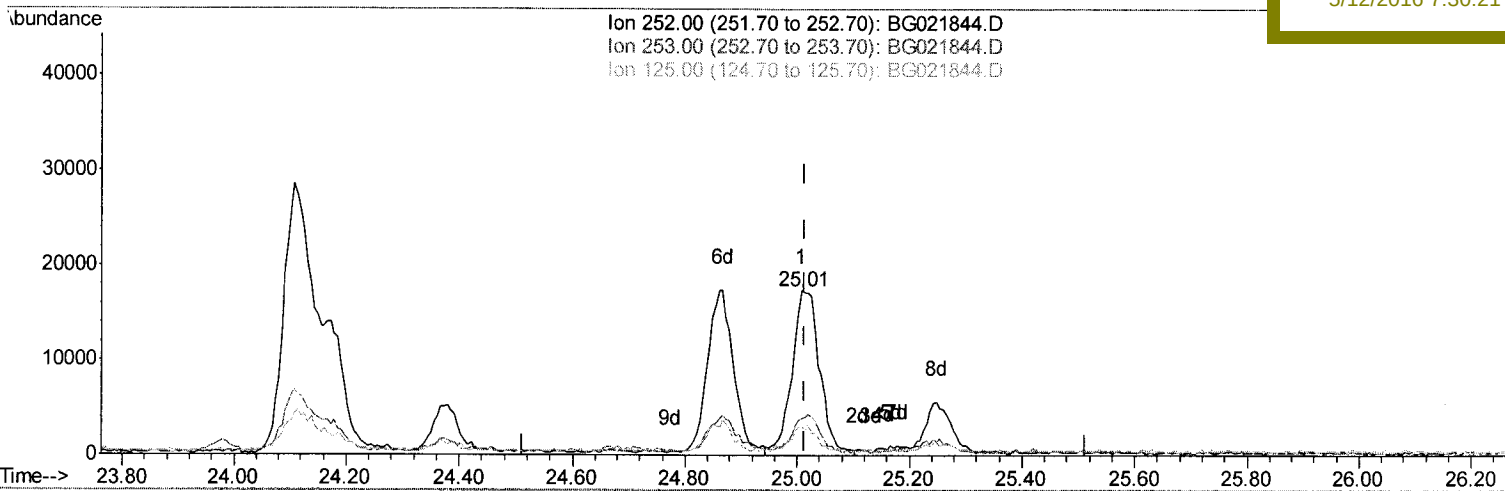
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 12 06:47:04 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9X90

Manual Integrations
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TIC: BG021844.D

(89) Benzo(a)pyrene (C)

25.008min (-0.006) 1.88ng/ul m U.M

response 59741

Ion Exp% Act%

252.00 100 100

253.00 21.70 22.77

125.00 10.20 17.53#

0.00 0.00 0.00

Quantitation Report (Qedit)

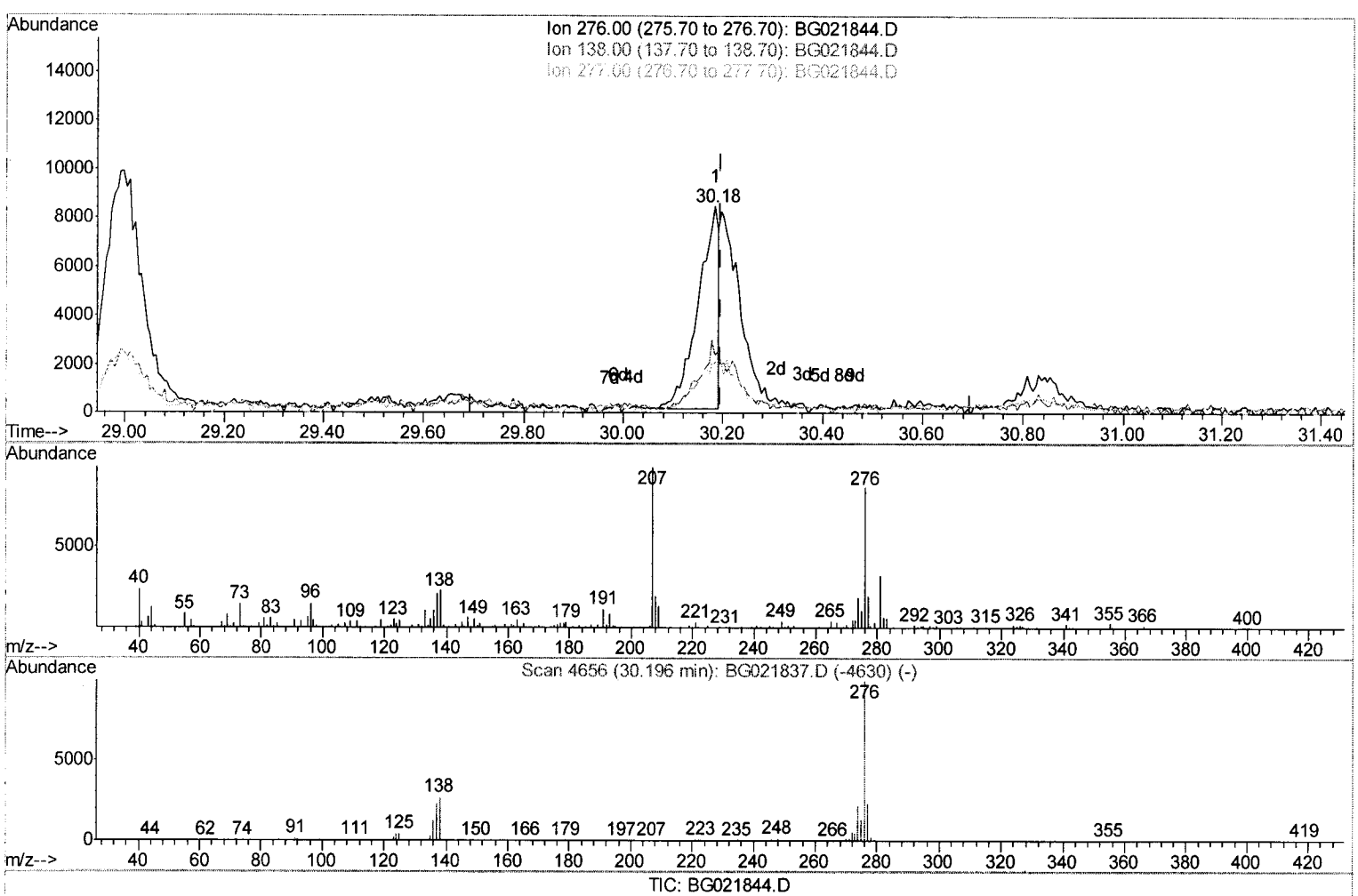
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual Integrations
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Quant Time: May 12 06:47:04 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration



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

30.184min (-0.011) 0.75ng/ul

response 23244

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	27.91#
277.00	24.70	24.28
0.00	0.00	0.00

Quantitation Report (Qedit)

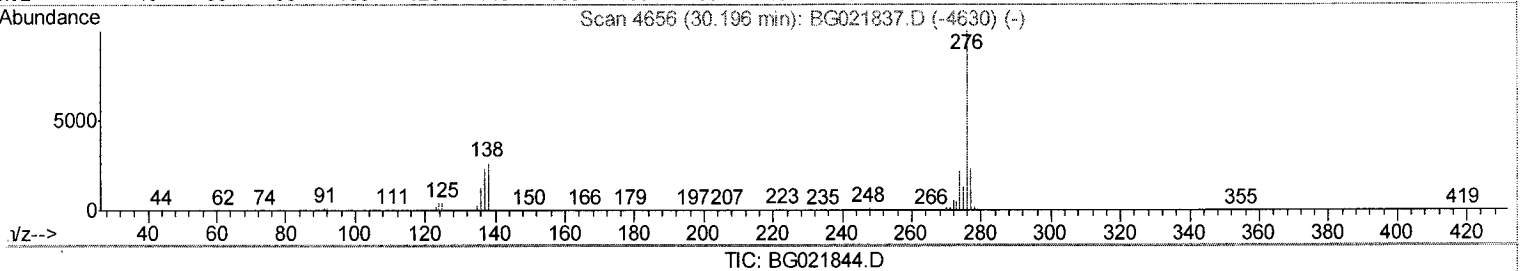
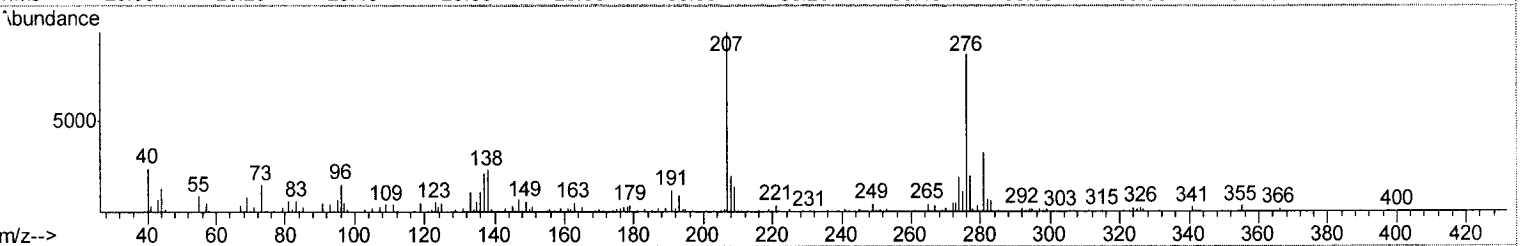
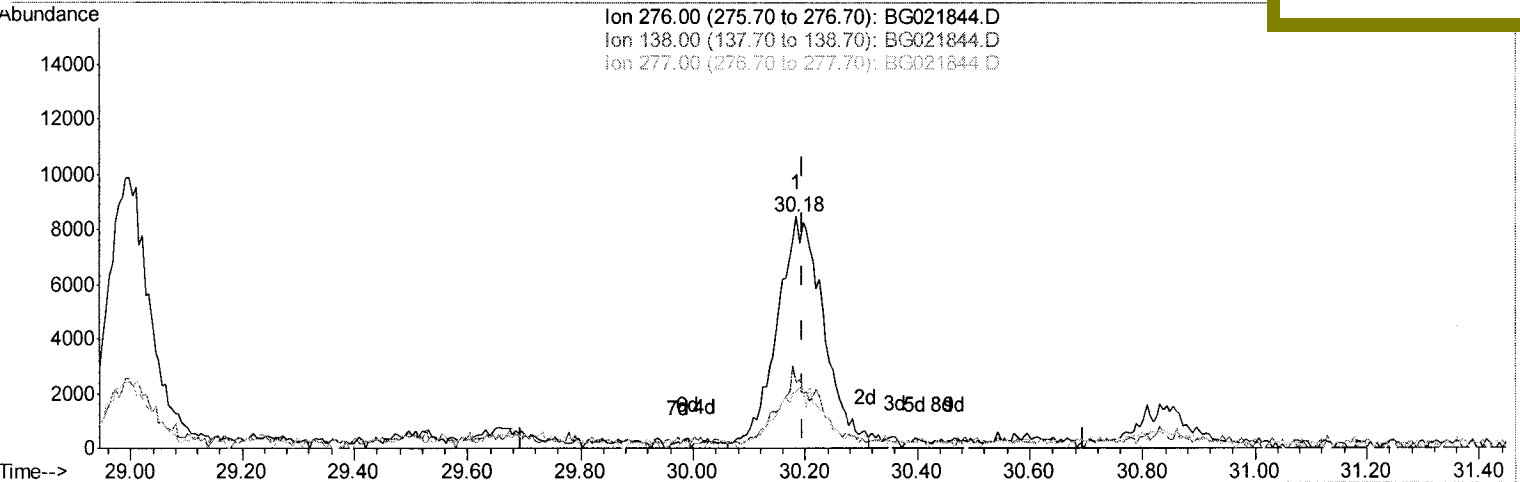
Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 D9X90

Quant Time: May 12 06:47:04 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration

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

30.184min (-0.011) 1.58ng/ul m U,M

response 49130

05/14/16

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	27.91#
277.00	24.70	24.28
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\Data\BG051116\
 Data File : BG021844.D
 Acq On : 11 May 2016 14:59
 Operator : UM/SJ
 Sample : H2937-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9X90

Manual Integrations
 APPROVED

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 5/12/2016 7:30:21 PM

Quant Time: May 12 06:48:00 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 12 04:46:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	80118	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	443365	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	270650	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.55	188	575365	20.00	ng/ul	0.00
76) Chrysene-d12	21.84	240	566071	20.00	ng/ul	0.00
84) Perylene-d12	25.18	264	557134	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	4179	2.52	ng/uL	0.00
5) Phenol-d5	7.33	99	95445	16.06	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.50	67	46898m	15.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	88619	19.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	83616	16.75	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	45814	15.72	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	47559	25.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	92102	17.69	ng/ul	0.00
29) 4-Chloroaniline-d4	11.14	131	106095m	18.92	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	313689	16.50	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	431828	16.00	ng/ul	0.00
52) 4-Nitrophenol-d4	15.00	143	47435m	14.56	ng/ul	0.00
58) Fluorene-d10	15.79	176	293736	14.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	34023	21.35	ng/ul	0.00
71) Anthracene-d10	17.65	188	417628	14.91	ng/ul	0.00
77) Pyrene-d10	19.92	212	433180	16.35	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	398807	15.07	ng/ul	0.00

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Target Compounds

					Ovalue
45) Dimethylphthalate	14.24	163	37829	1.95	ng/ul 99
75) Fluoranthene	19.58	202	76816	2.15	ng/ul# 93
78) Pyrene	19.95	202	75914m	2.32	ng/ul
81) Benzo(a)anthracene	21.81	228	50310	1.60	ng/ul 93
82) Bis(2-ethylhexyl)phthalate	21.70	149	18519	1.57	ng/ul 96
83) Chrysene	21.88	228	62160	1.99	ng/ul 99
86) Benzo(b)fluoranthene	24.11	252	104971	3.29	ng/ul# 93
89) Benzo(a)pyrene	25.01	252	59741m	1.88	ng/ul
90) Indeno(1,2,3-cd)pyrene	29.00	276	49491	1.32	ng/ul# 93
92) Benzo(a,h,i)perylene	30.18	276	49130m	1.58	ng/ul

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