

Quantitation Report (Qedit)

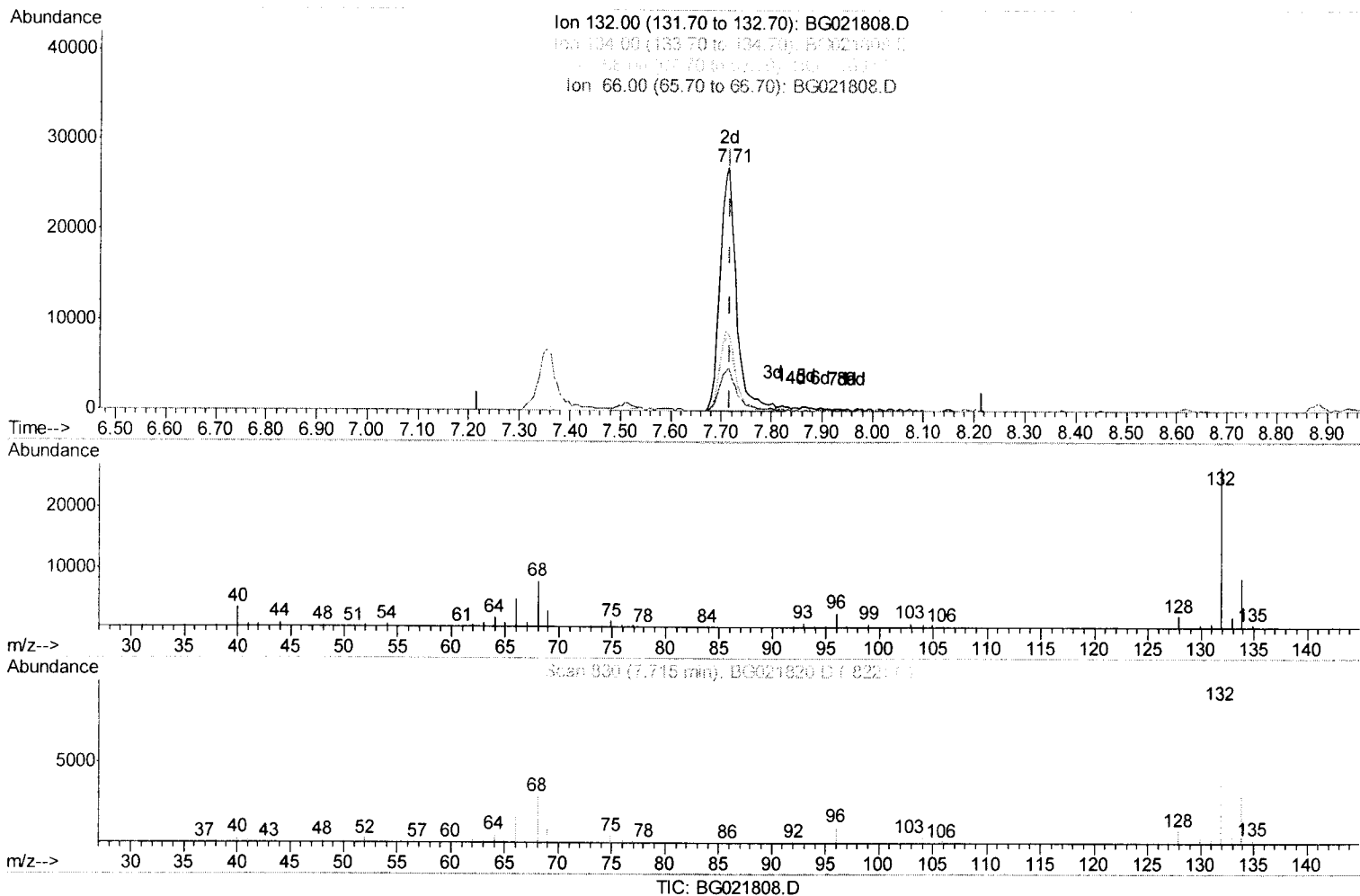
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021808.D
 Acq On : 10 May 2016 9:26
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleID :
 SSTD02013

Manual Integrations
 APPROVED

sohil
 5/11/2016 8:22:38 PM

Quant Time: May 11 03:12:59 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 09 16:11:30 2016
 Response via : Initial Calibration



(9) 2-Chlorophenol-d4 (S)

7.715min (-0.002) 23.19ng/ul m

response 60580

Ion	Exp%	Act%
132.00	100	100
134.00	36.20	31.55
68.00	58.40	28.84#
66.00	44.50	17.57#

U.M
 05/12/16

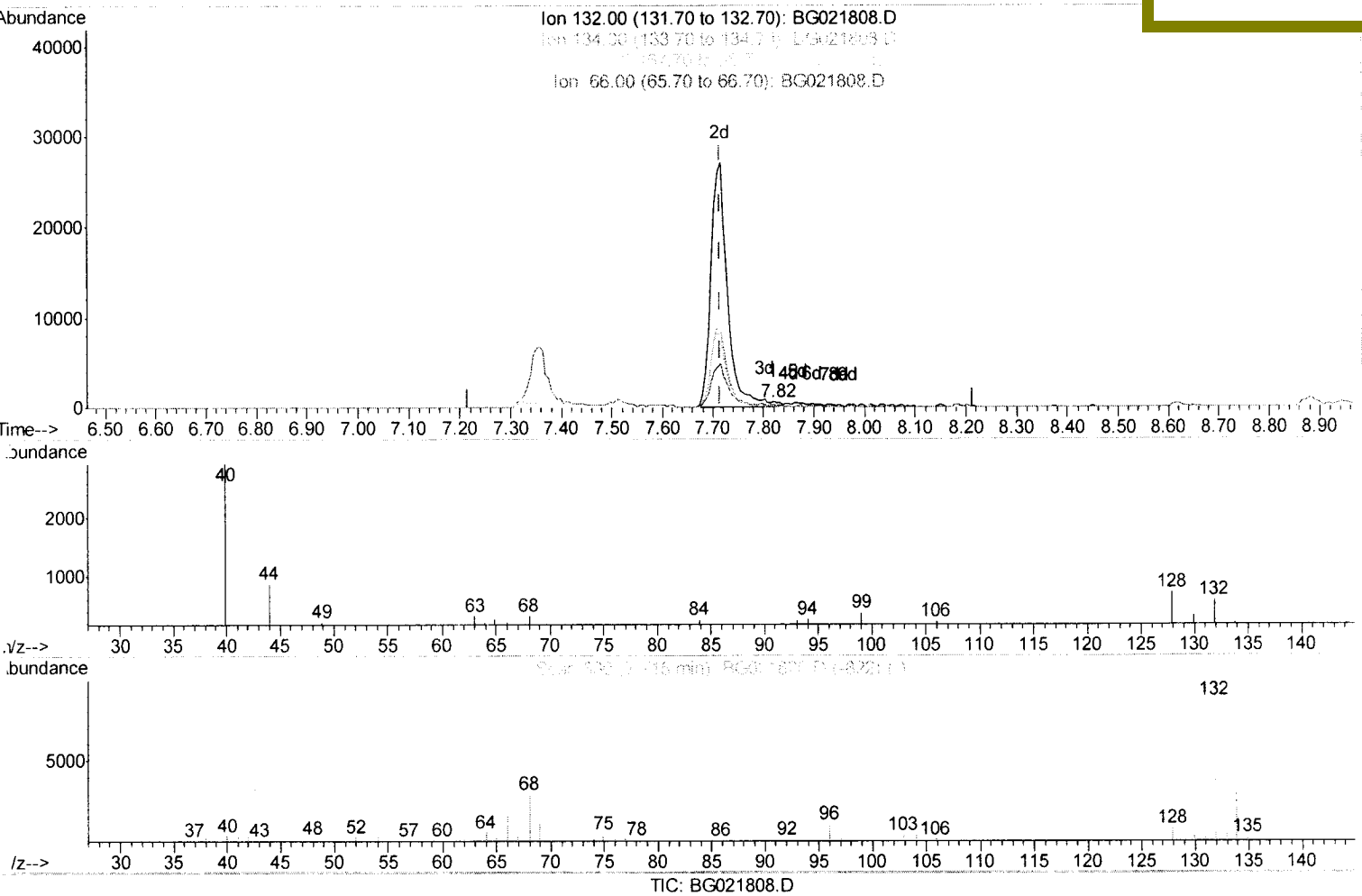
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QLast Update : Wed May 11 02:37:33 2016
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(9) 2-Chlorophenol-d4 (S)

7.821min (+0.106) 0.25ng/ul

response 659

Ion	Exp%	Act%
132.00	100	100
134.00	36.20	36.21
68.00	58.40	55.17
66.00	44.50	37.07

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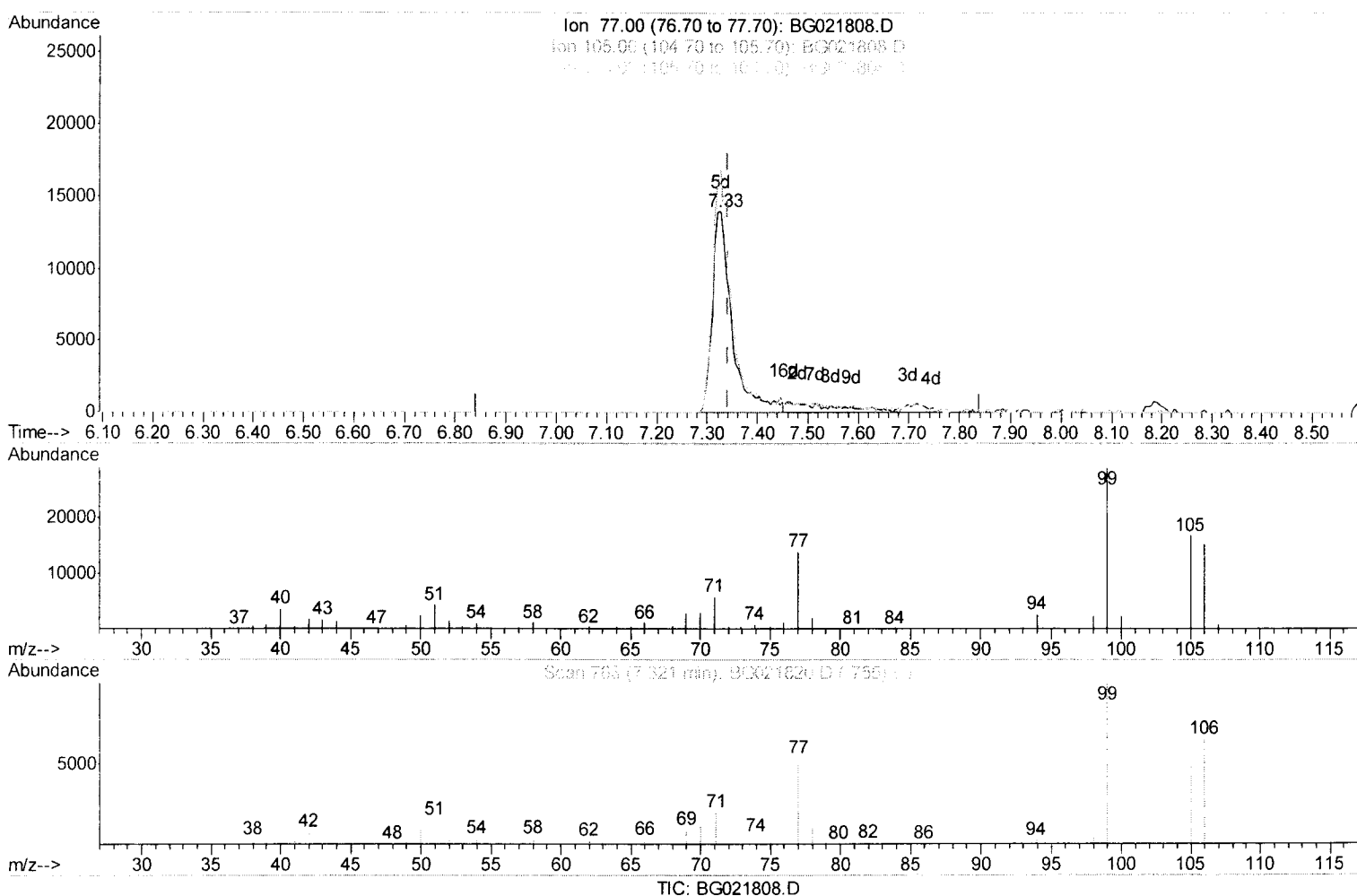
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(4) Benzaldehyde

7.327min (-0.014) 104.55ng/ul m U.M

response 38244

05/12/16

Ion	Exp%	Act%
77.00	100	100
105.00	85.60	120.76#
106.00	81.20	109.55#
0.00	0.00	0.00

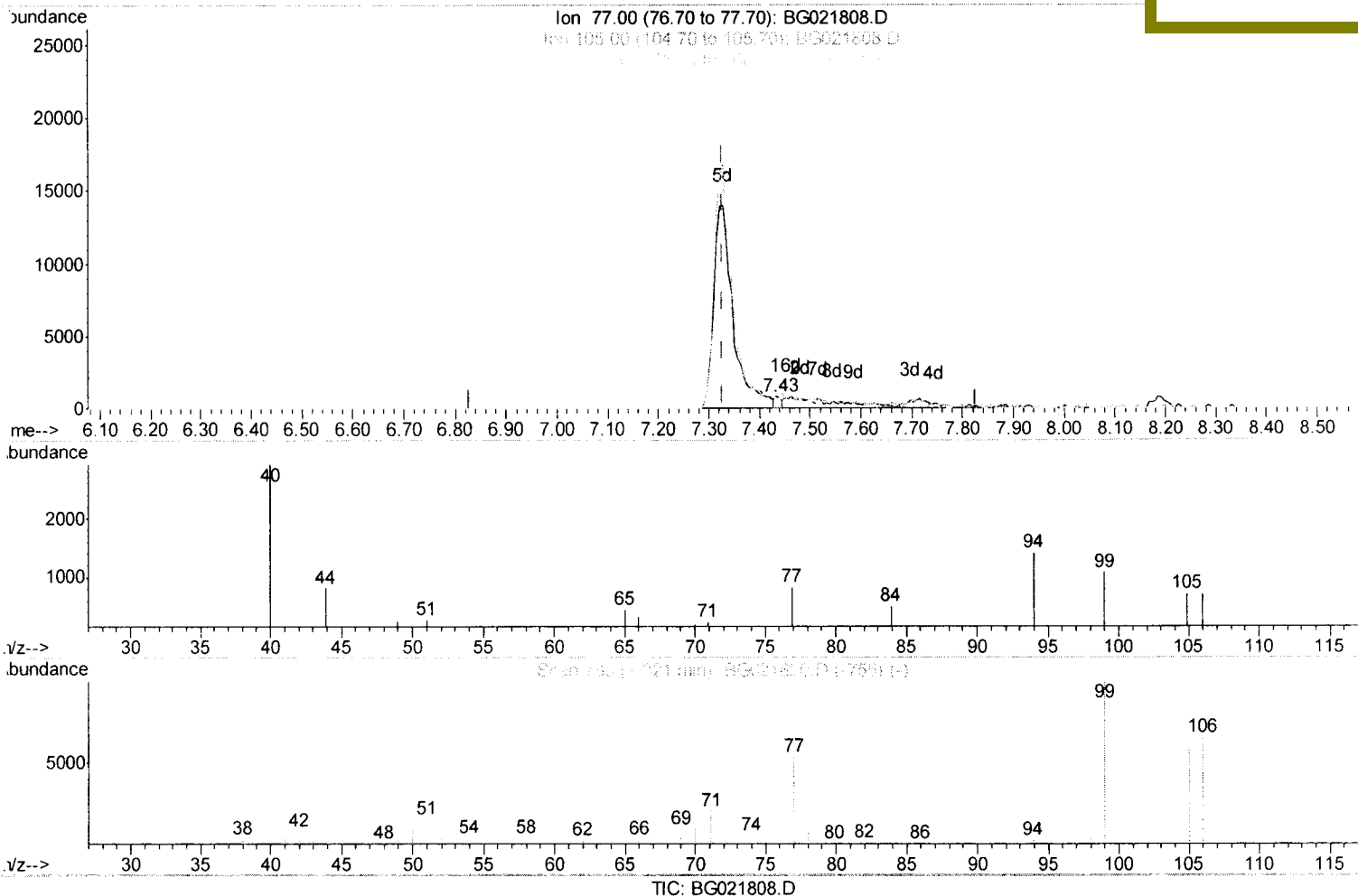
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(4) Benzaldehyde

7.433min (+0.106) 1.97ng/ul

response 722

Ion	Exp%	Act%
77.00	100	100
105.00	85.60	86.83
106.00	81.20	86.10
0.00	0.00	0.00

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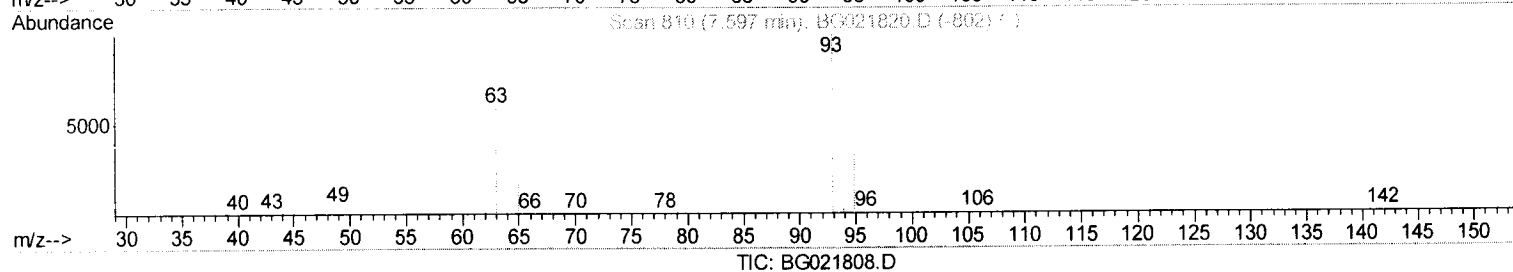
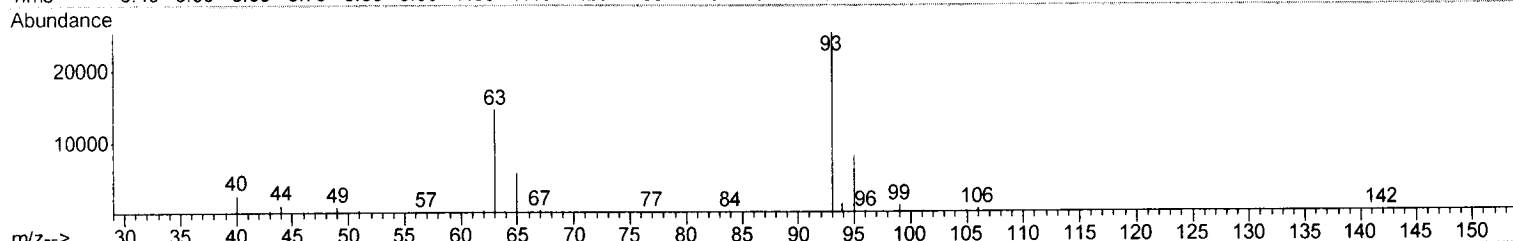
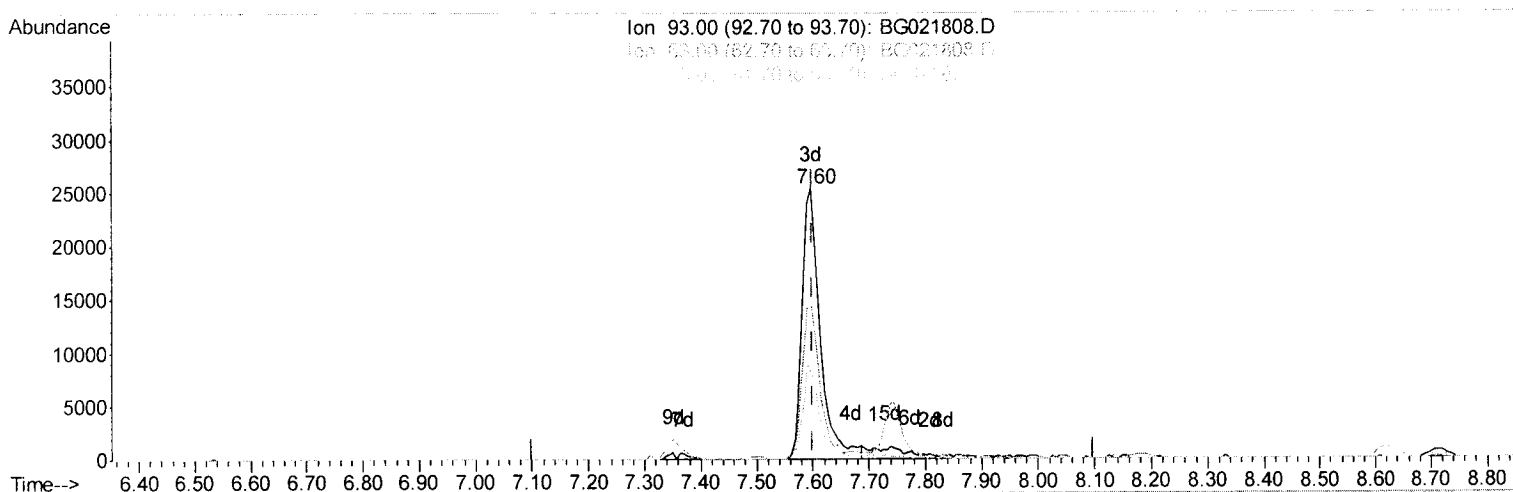
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(8) Bis(2-Chloroethyl)ether

7.597min (-0.002) 19.37ng/ul m U.M

response 56452

05/12/16

Ion	Exp%	Act%
93.00	100	100
63.00	88.00	57.61#
95.00	35.60	31.89
0.00	0.00	0.00

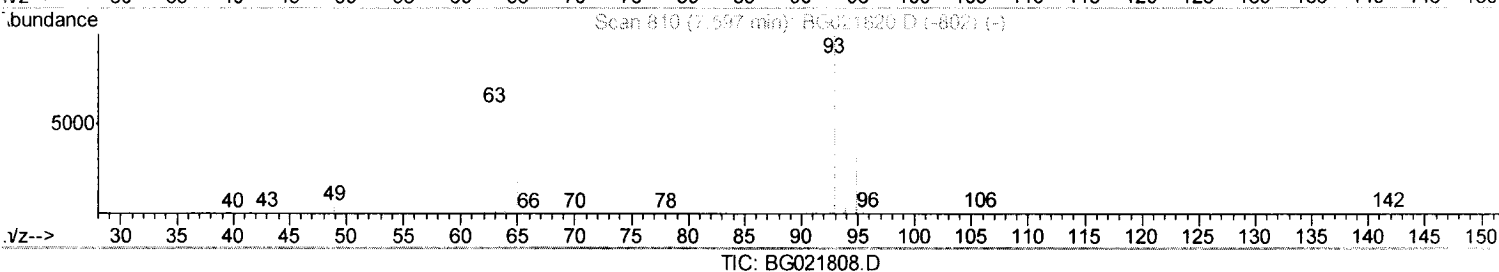
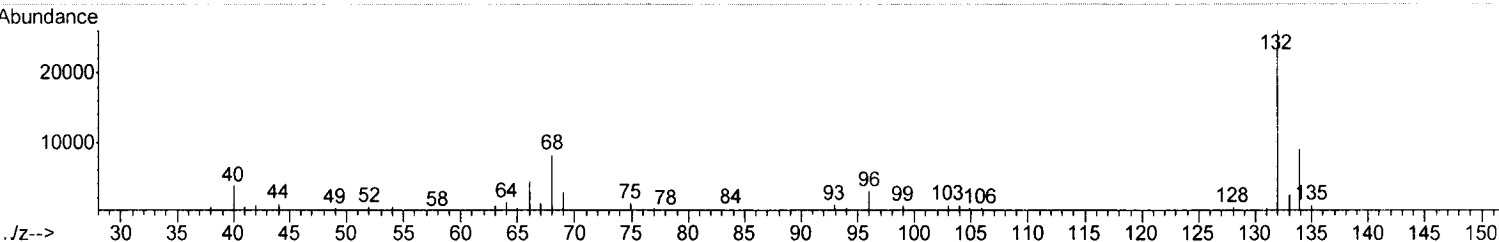
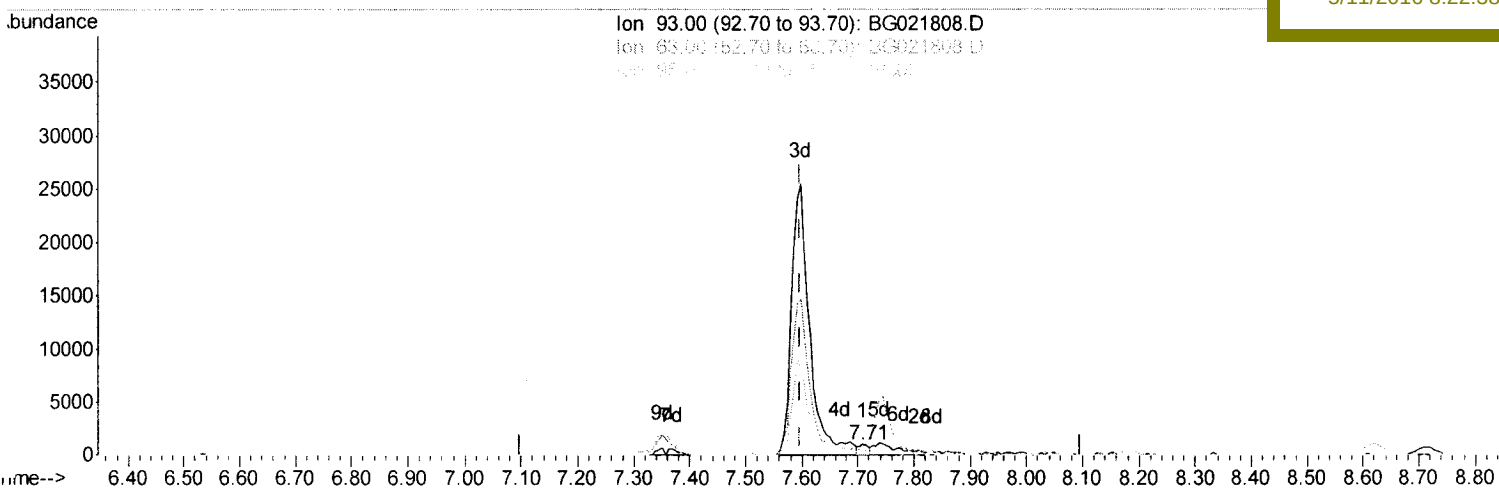
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(8) Bis(2-Chloroethyl)ether

7.709min (+0.112) 0.43ng/ul

response 1239

Ion	Exp%	Act%
93.00	100	100
63.00	88.00	86.17
95.00	35.60	36.42
0.00	0.00	0.00

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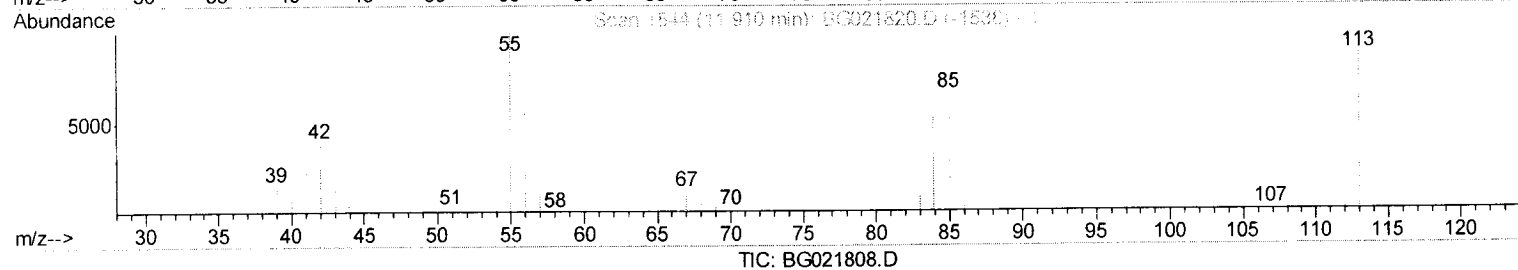
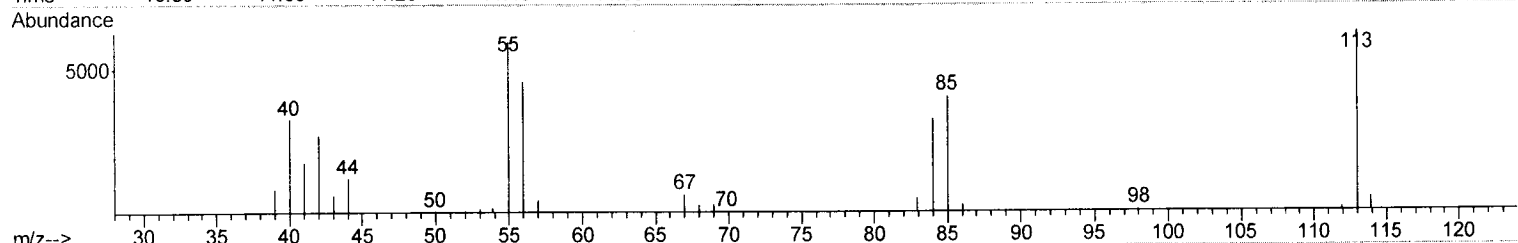
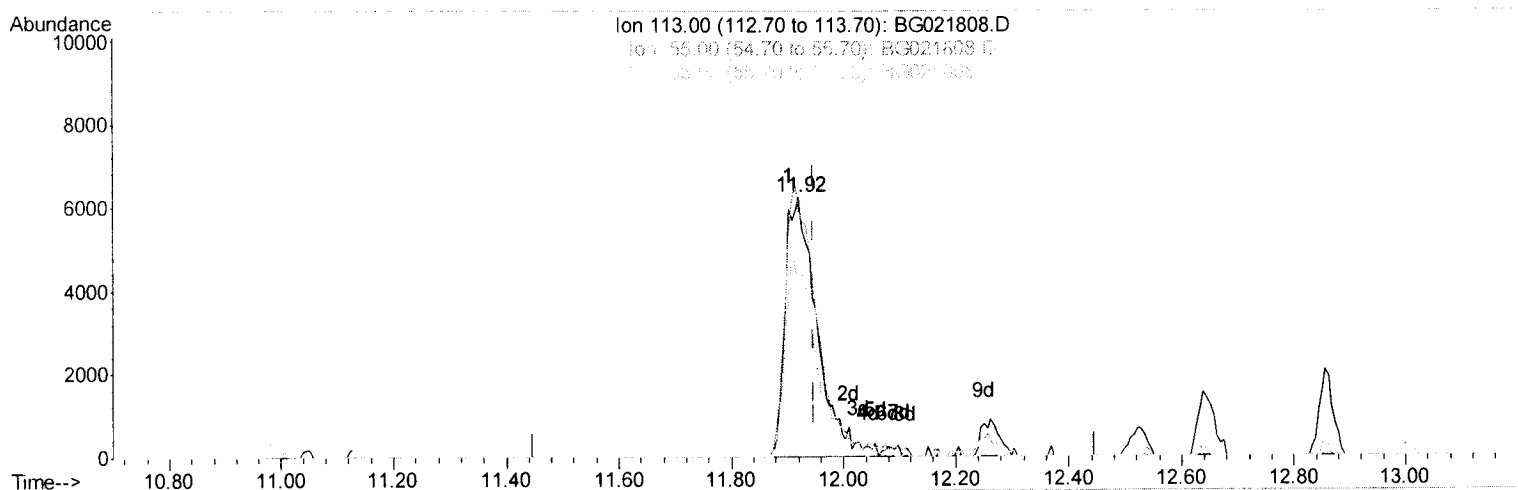
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(32) Caprolactam

11.922min (-0.025) 19.63ng/ul m U.M
 response 24397 05/12/16

Ion	Exp%	Act%
113.00	100	100
55.00	194.40	94.67#
56.00	132.10	73.10#
0.00	0.00	0.00

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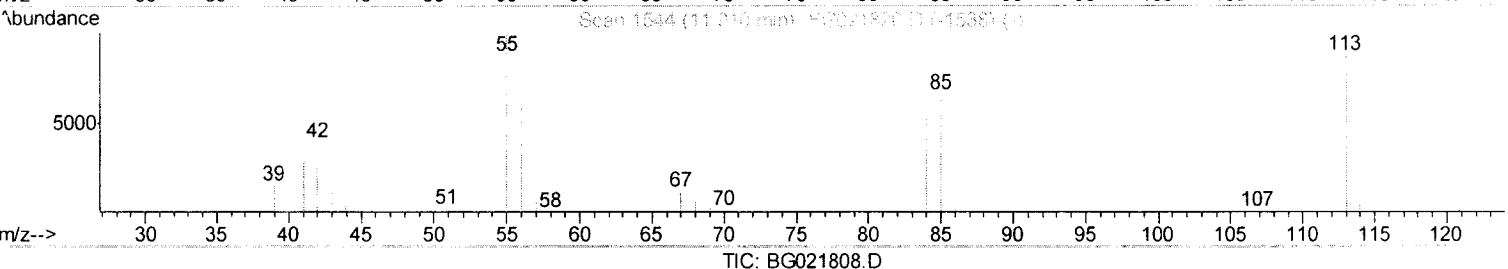
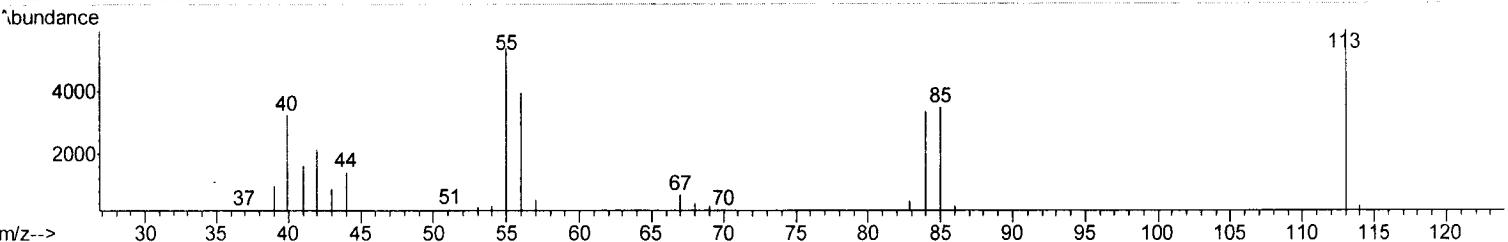
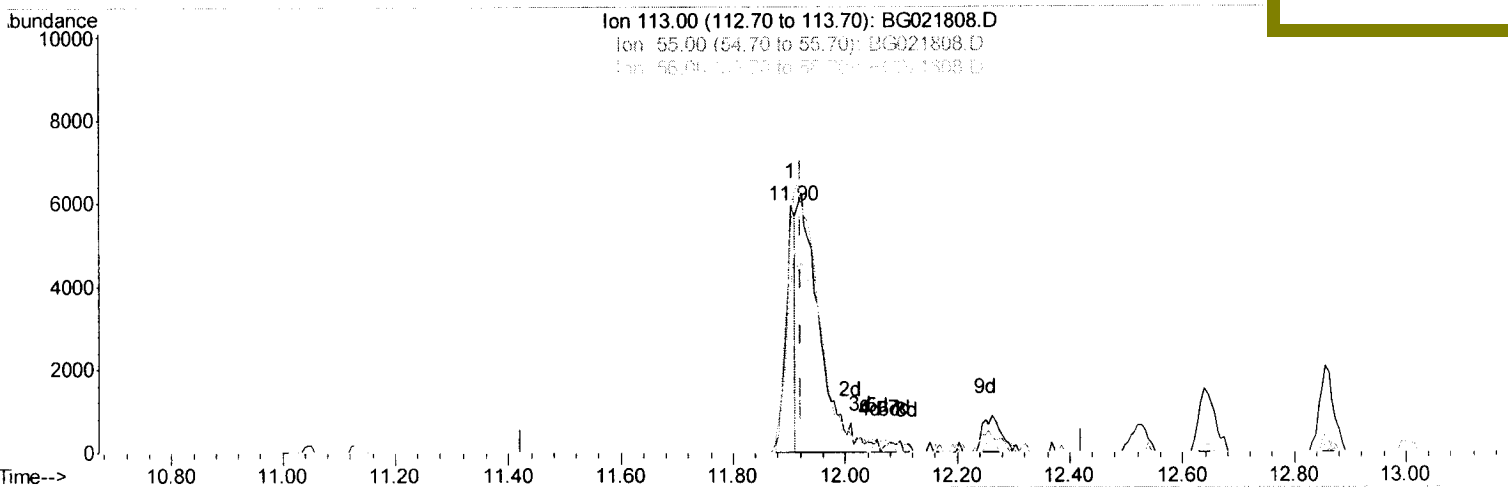
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(32) Caprolactam

11.904min (-0.018) 5.63ng/ul

response 6993

Ion	Exp%	Act%
113.00	100	100
55.00	194.40	90.59#
56.00	132.10	66.49#
0.00	0.00	0.00

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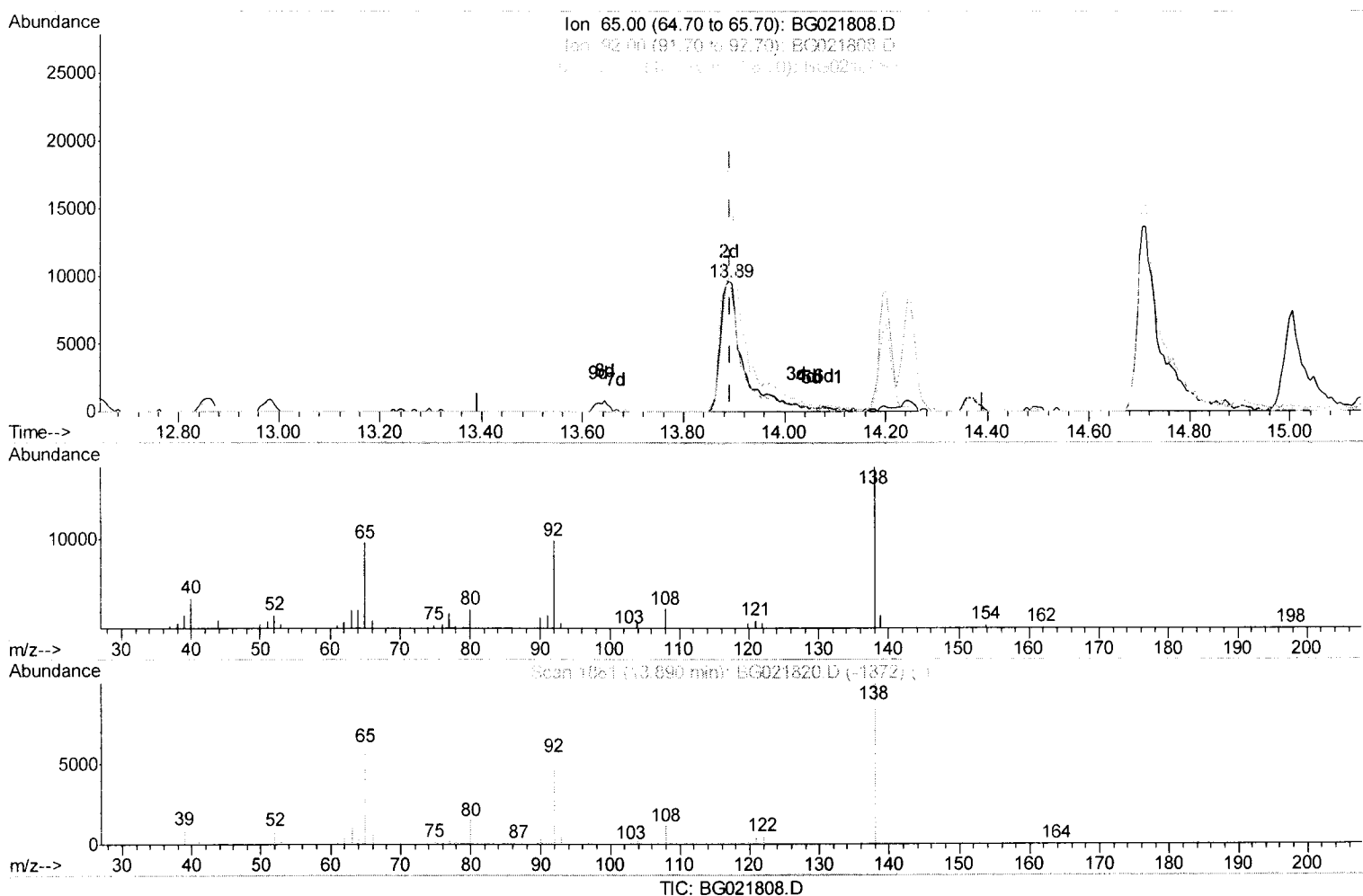
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(43) 2-Nitroaniline

13.890min (-0.002) 21.33ng/ul m

response 31205

Ion	Exp%	Act%
65.00	100	100
92.00	60.60	102.78#
138.00	74.70	186.53#
0.00	0.00	0.00

U.M
 05/12/16

Quantitation Report (Qedit)

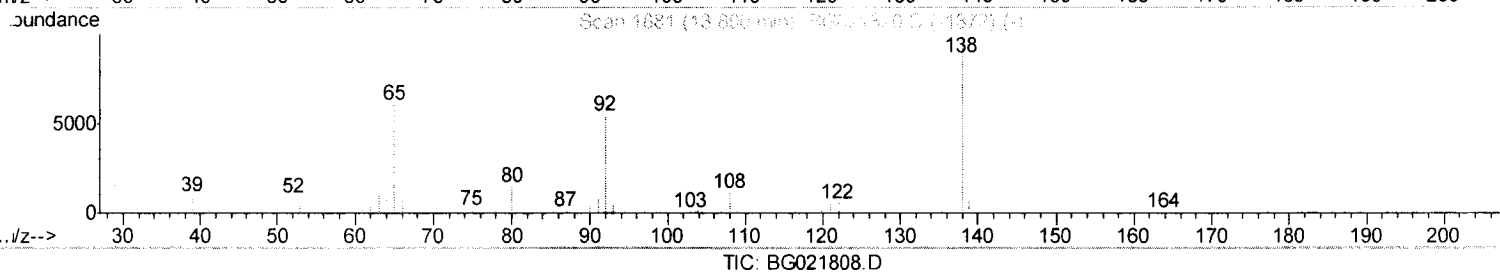
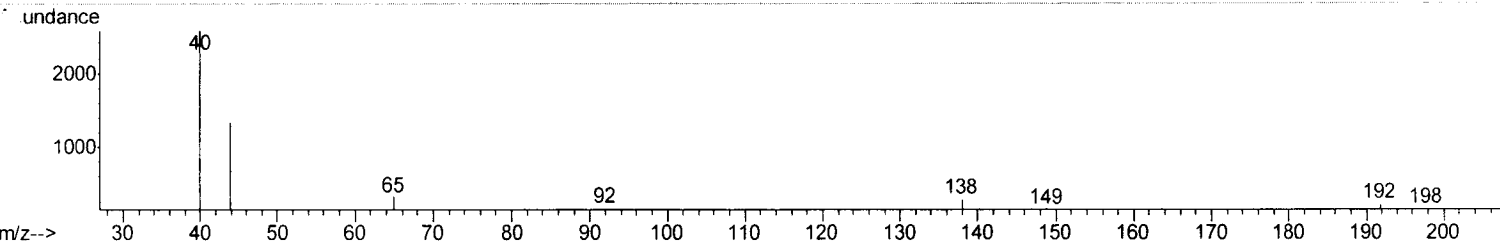
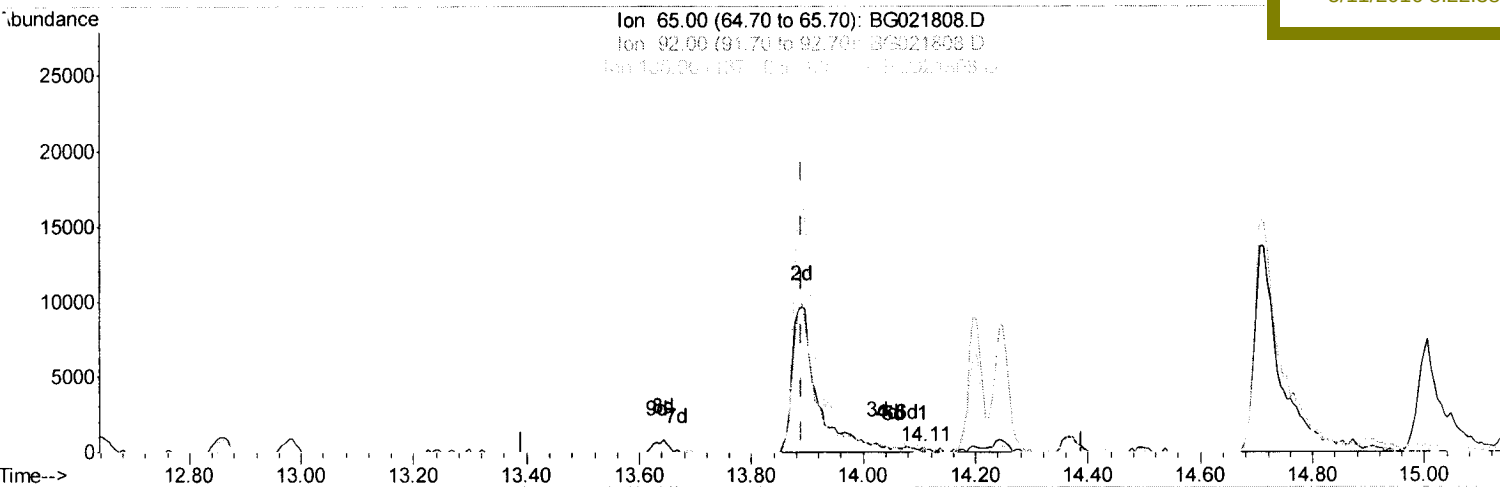
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(43) 2-Nitroaniline

14.107min (+0.217) 0.17ng/ul

response 245

Ion	Exp%	Act%
65.00	100	100
92.00	60.60	53.29
138.00	74.70	88.92
0.00	0.00	0.00

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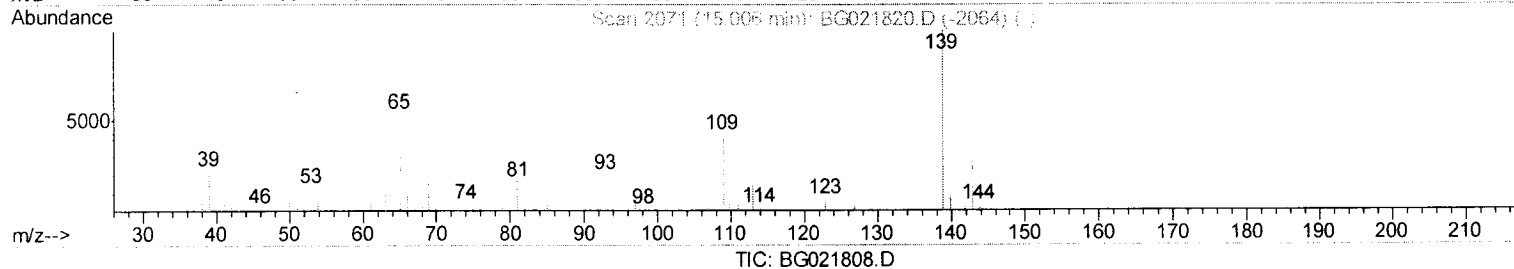
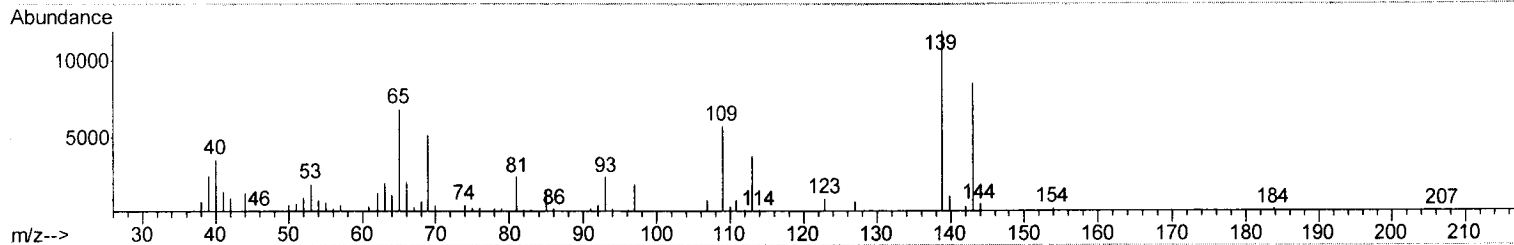
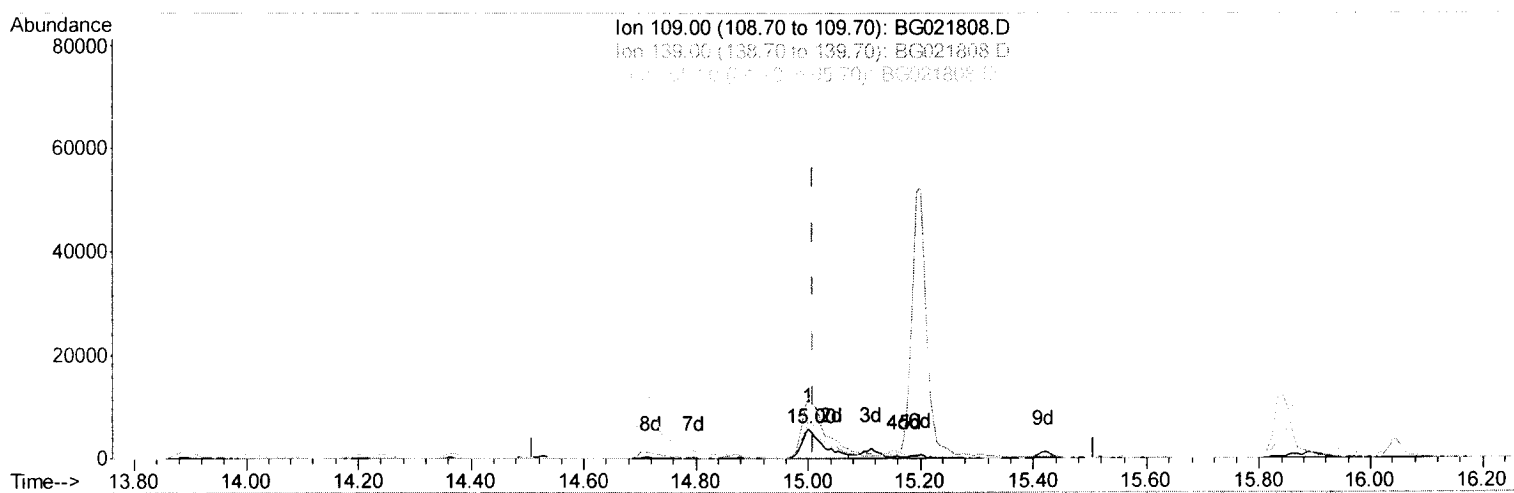
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TIC: BG021808.D

(53) 4-Nitrophenol

15.000min (-0.008) 17.82ng/ul m U.M

response 14712

Ion	Exp%	Act%
109.00	100	100
139.00	94.90	208.07#
65.00	124.80	119.79
0.00	0.00	0.00

05/12/16

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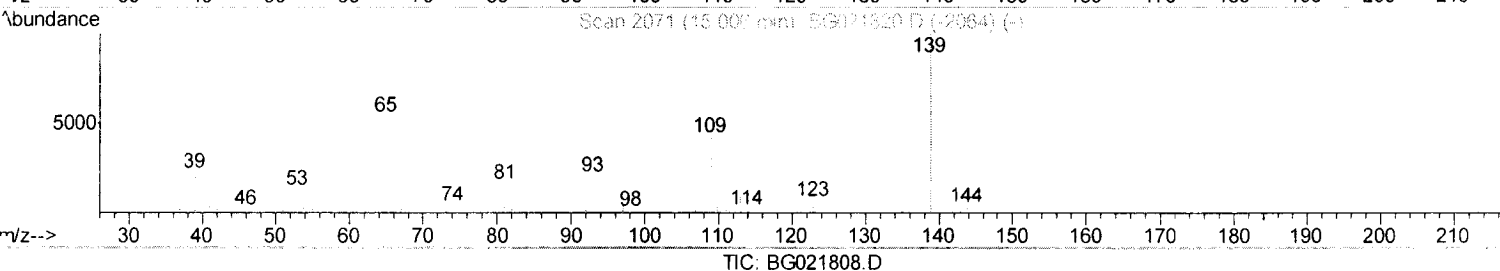
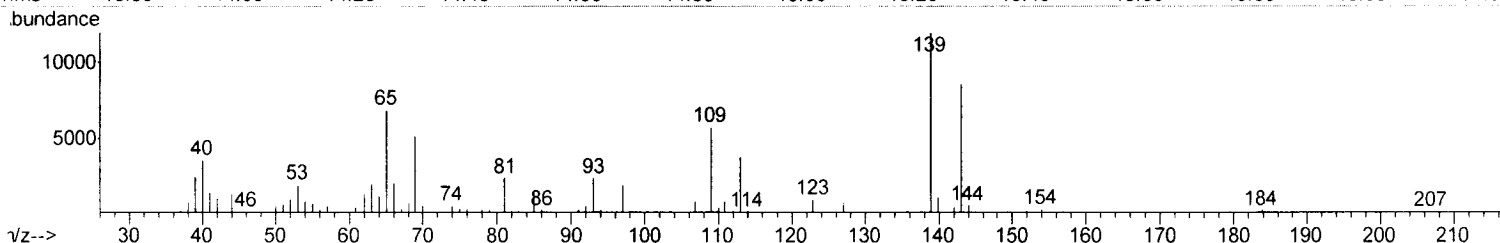
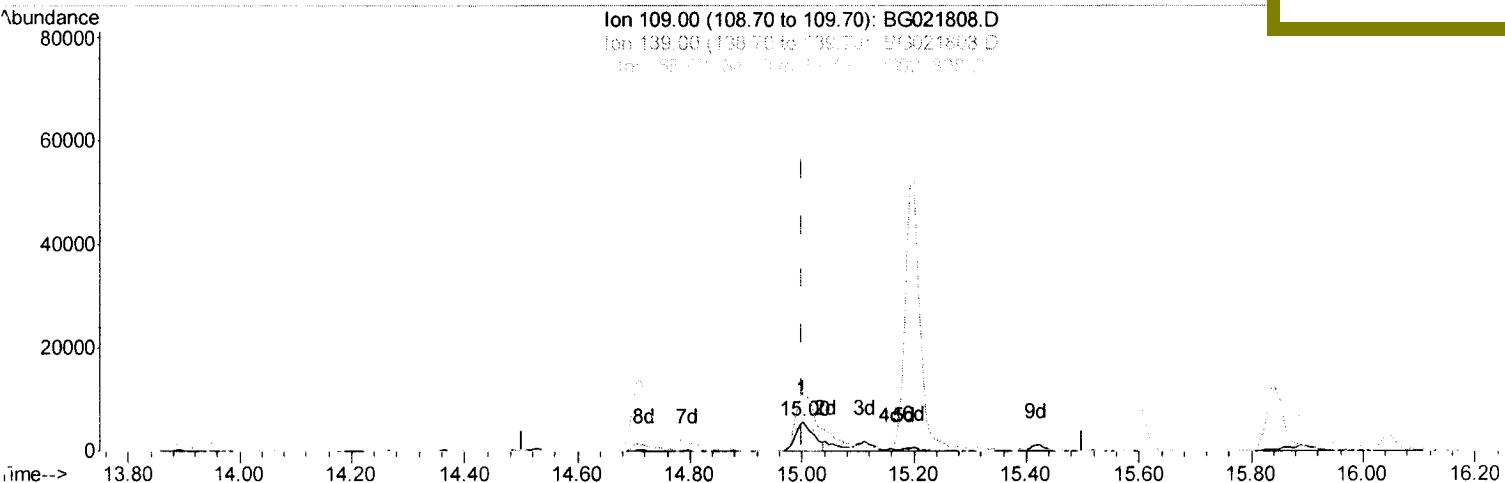
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(53) 4-Nitrophenol

15.000min (0.000) 14.62ng/ul

response 12074

Ion	Exp%	Act%
109.00	100	100
139.00	94.90	208.07#
65.00	124.80	119.79
0.00	0.00	0.00

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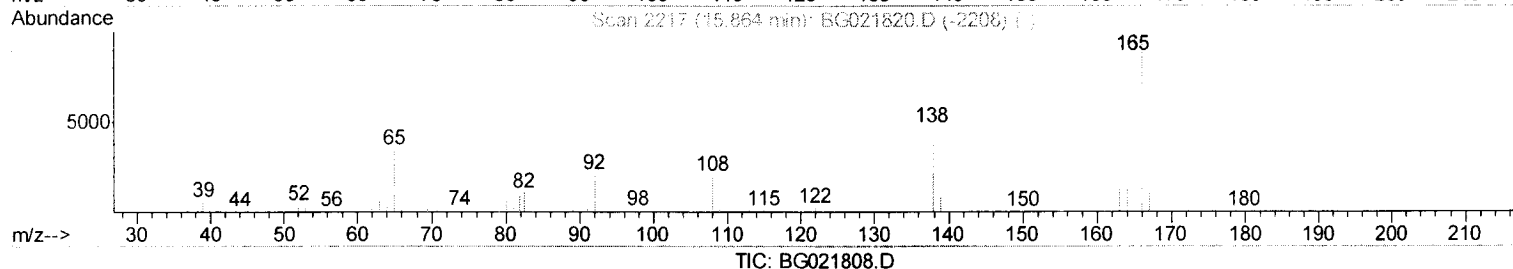
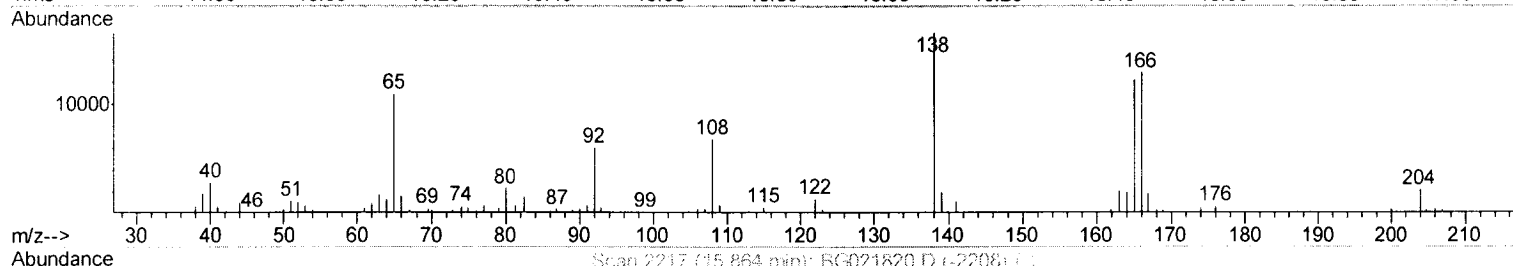
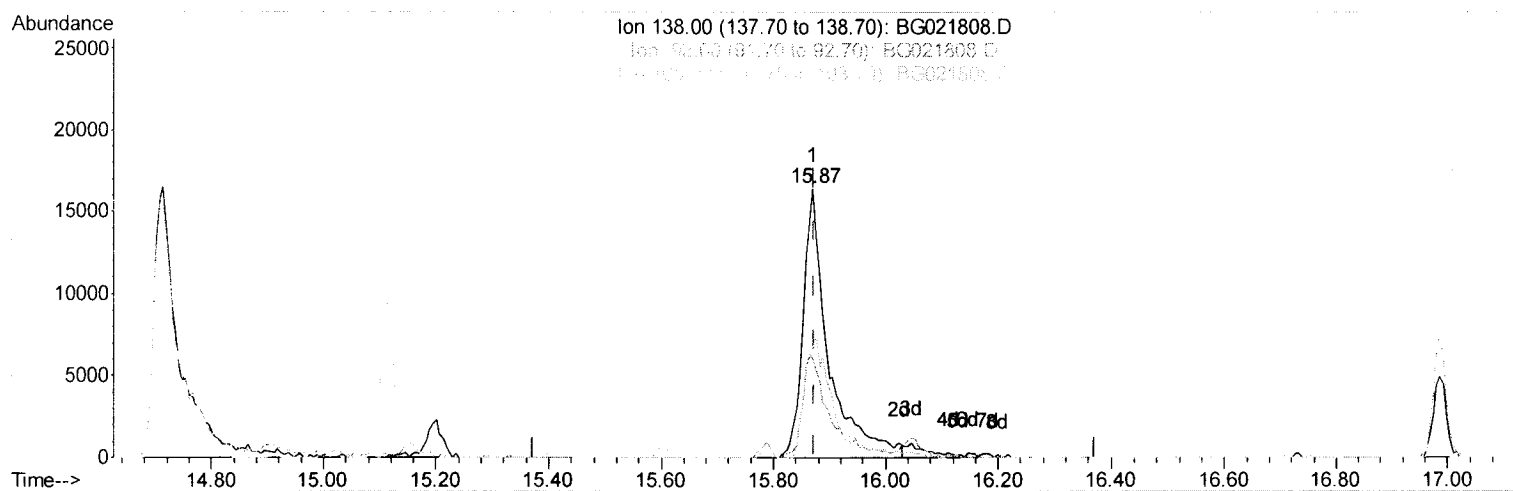
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(61) 4-Nitroaniline

15.870min (-0.002) 18.85ng/ul m

U.M
05/12/16

response 51891

Ion	Exp%	Act%
138.00	100	100
92.00	64.90	36.82#
108.00	119.10	41.38#
0.00	0.00	0.00

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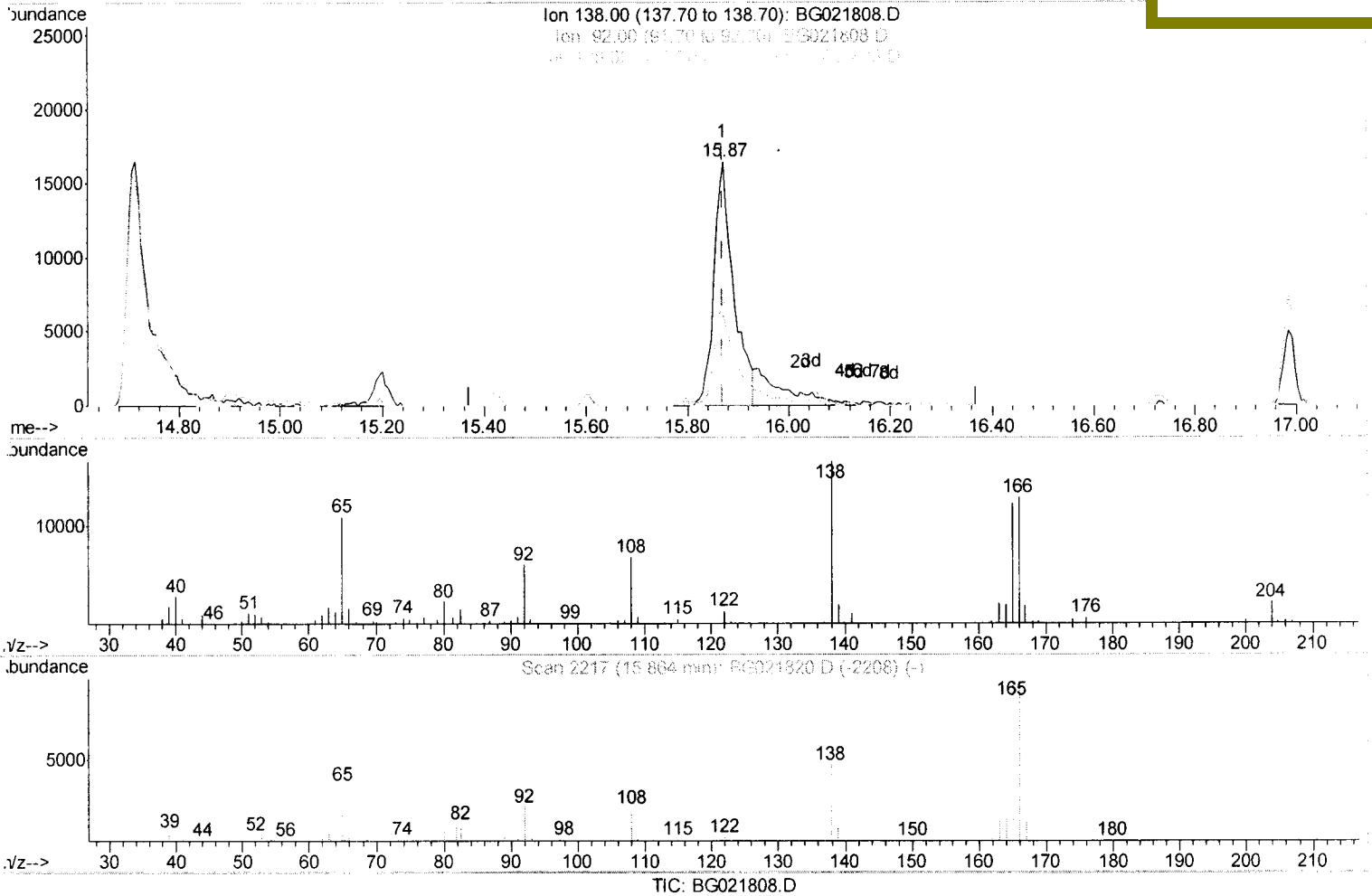
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(61) 4-Nitroaniline

15.870min (0.000) 15.99ng/ul

response 44025

Ion	Exp%	Act%
138.00	100	100
92.00	64.90	36.82#
108.00	119.10	41.38#
0.00	0.00	0.00

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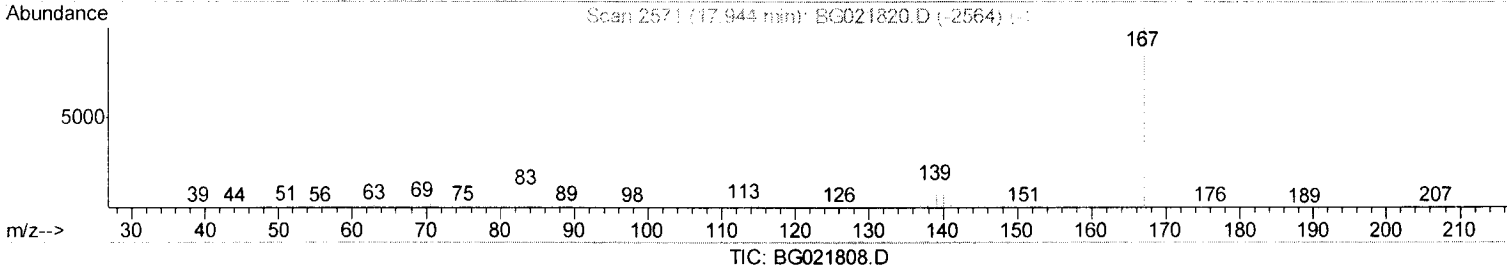
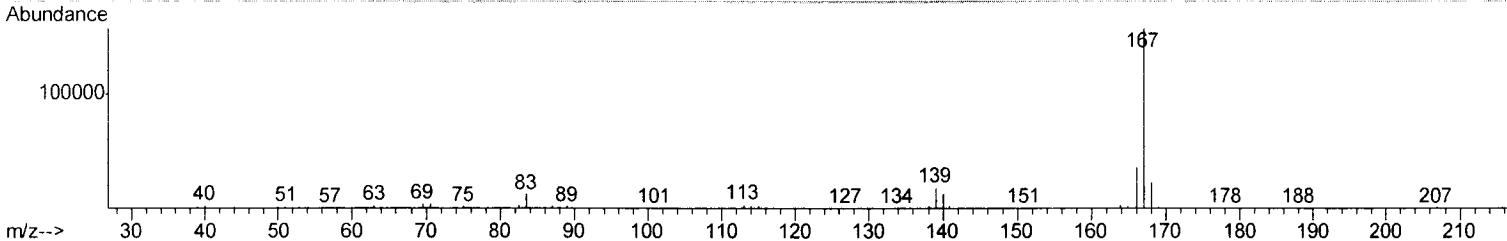
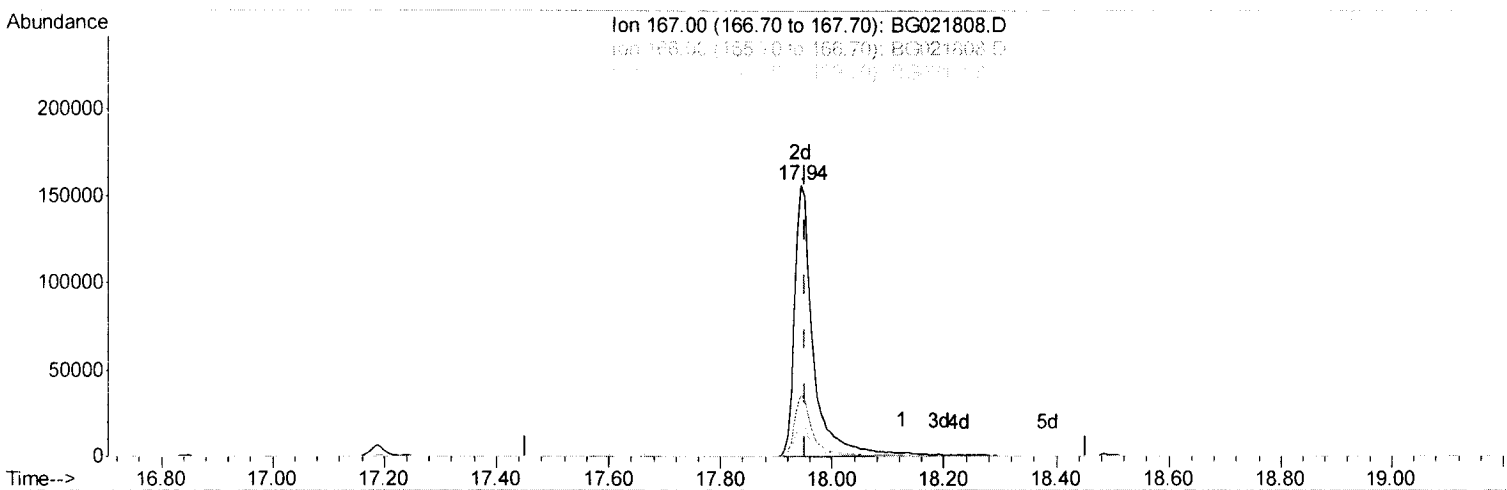
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(73) Carbazole

17.944min (-0.008) 21.81ng/ul m U.M

response 365417

05/12/16

Ion	Exp%	Act%
167.00	100	100
166.00	23.70	23.16
139.00	15.30	12.03#
0.00	0.00	0.00

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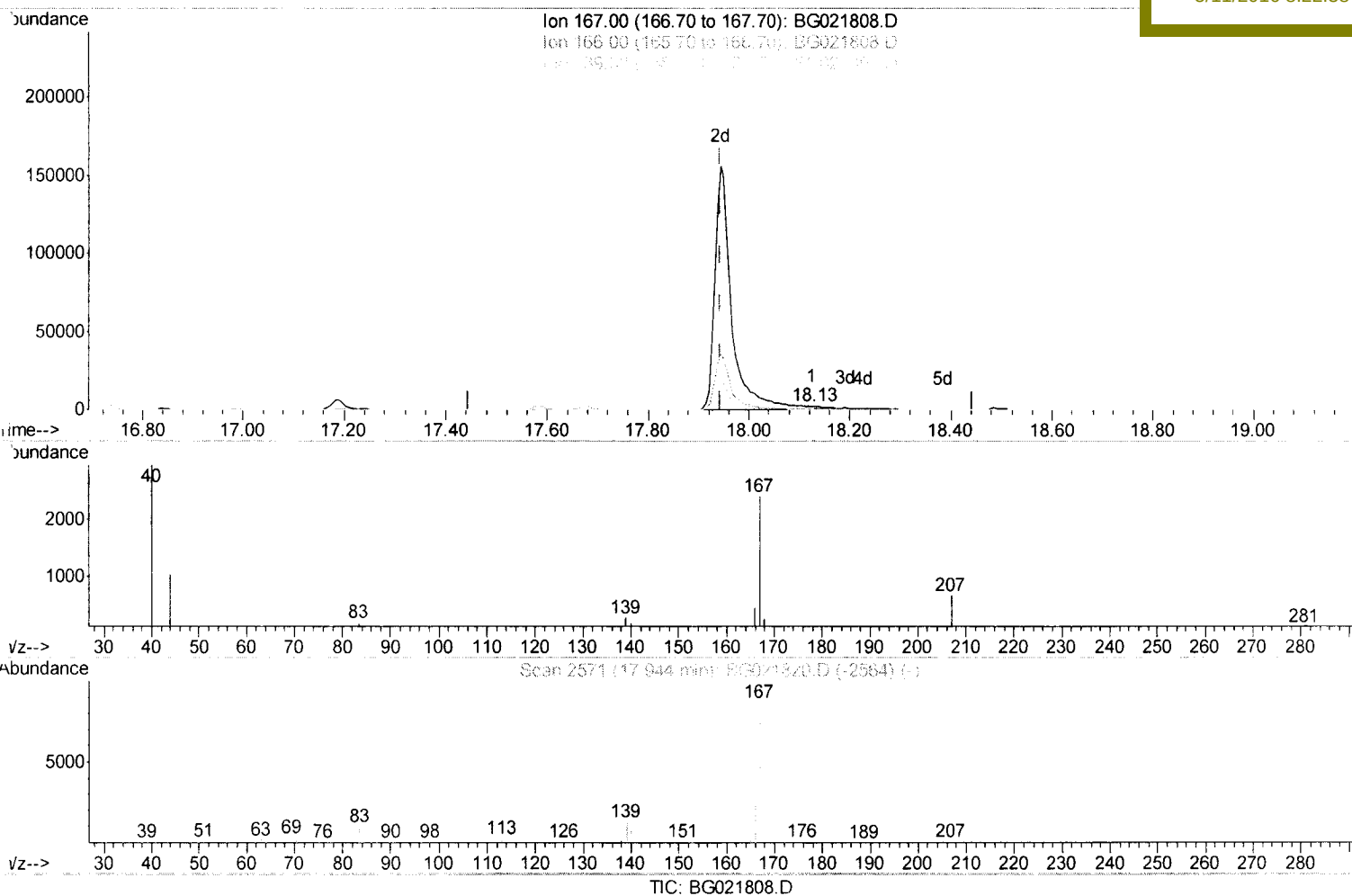
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(73) Carbazole

18.126min (+0.182) 0.18ng/ul

response 2961

Ion	Exp%	Act%
167.00	100	100
166.00	23.70	20.14
139.00	15.30	12.65
0.00	0.00	0.00

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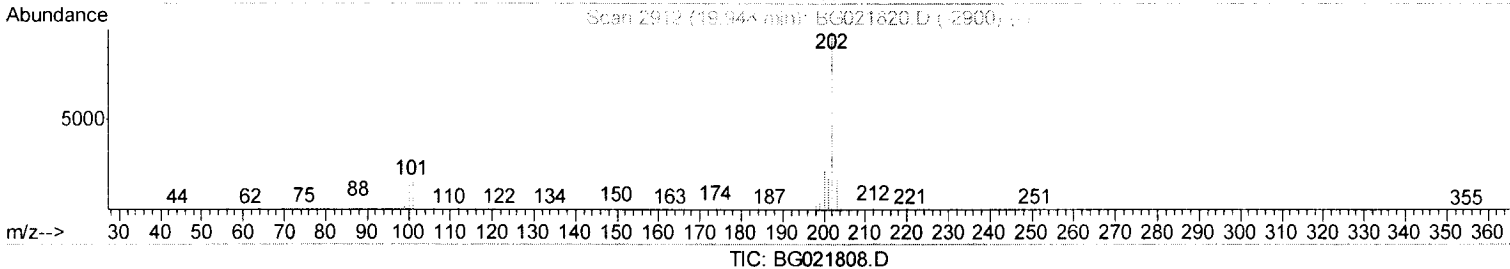
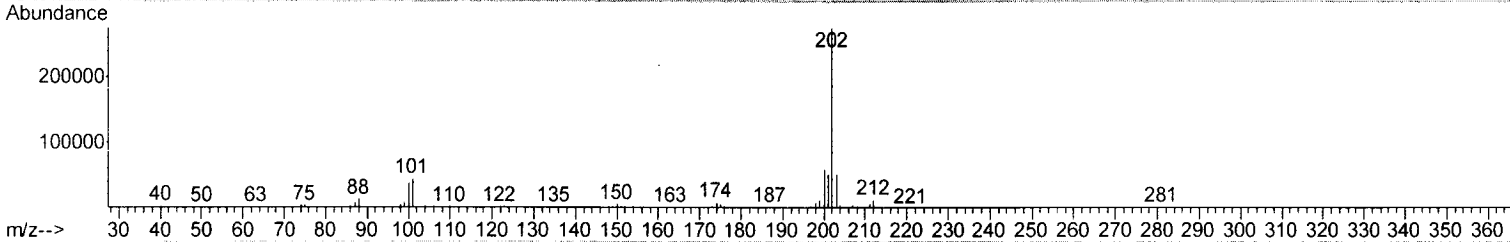
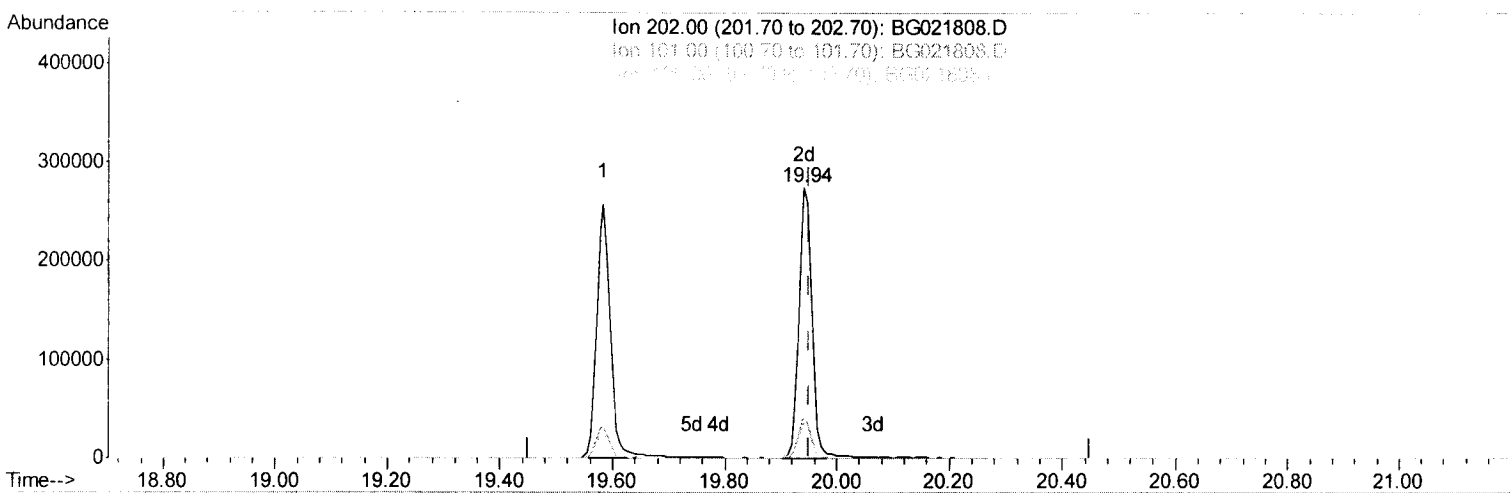
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021808.D
 Acq On : 10 May 2016 9:26
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02013

Manual Integrations
 APPROVED

sohil
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Quant Time: May 11 03:12:59 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 09 16:11:30 2016
 Response via : Initial Calibration



(78) Pyrene

19.942min (-0.008) 21.12ng/ul m UM

response 445597

05/12/16

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	15.93#
100.00	11.60	13.56
0.00	0.00	0.00

Quantitation Report (Qedit)

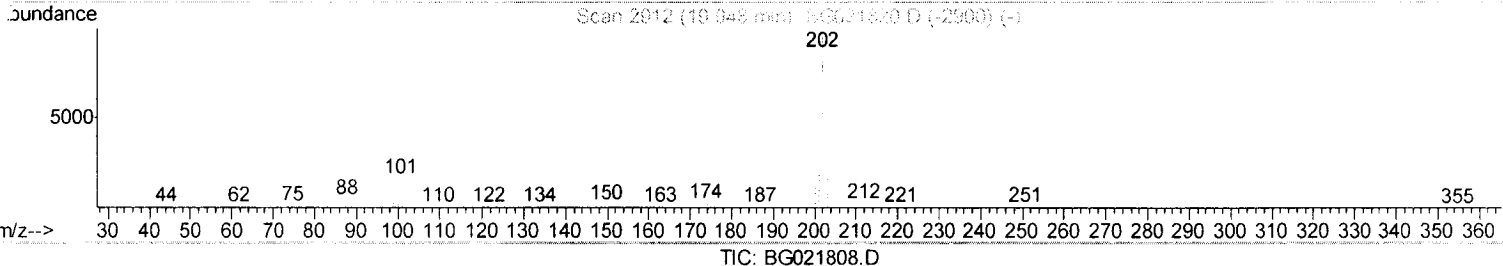
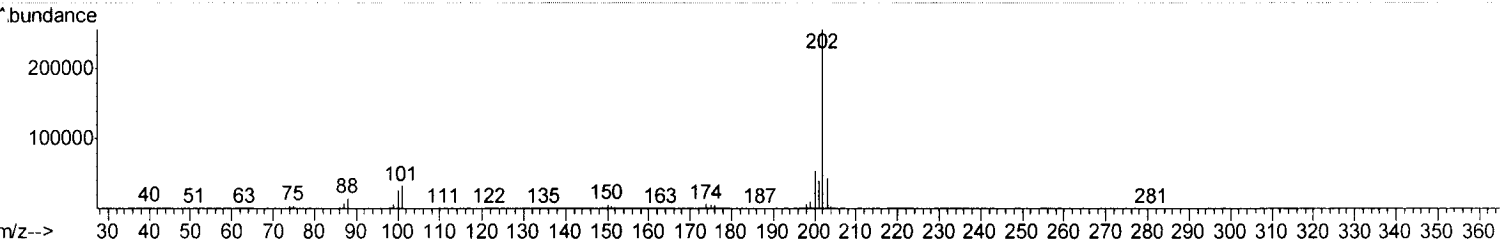
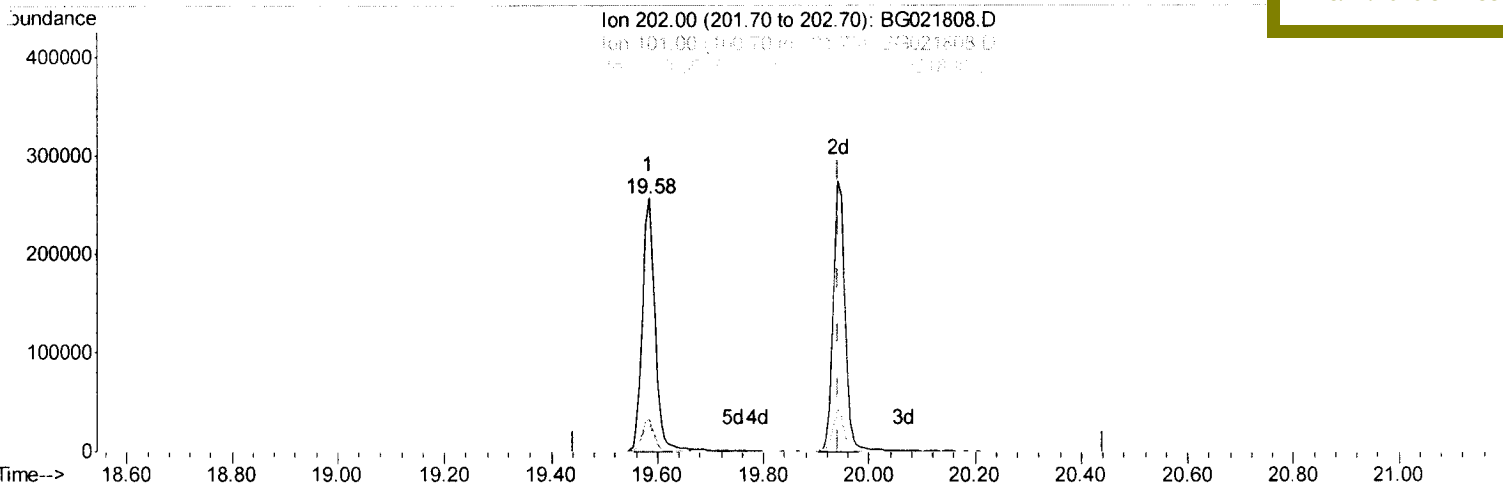
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021808.D
 Acq On : 10 May 2016 9:26
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02013

Quant Time: May 11 19:08:21 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 11 02:37:33 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

sohil
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(78) Pyrene

19.583min (-0.358) 20.36ng/ul

response 429557

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	12.85
100.00	11.60	10.54
0.00	0.00	0.00

Quantitation Report (Qedit)

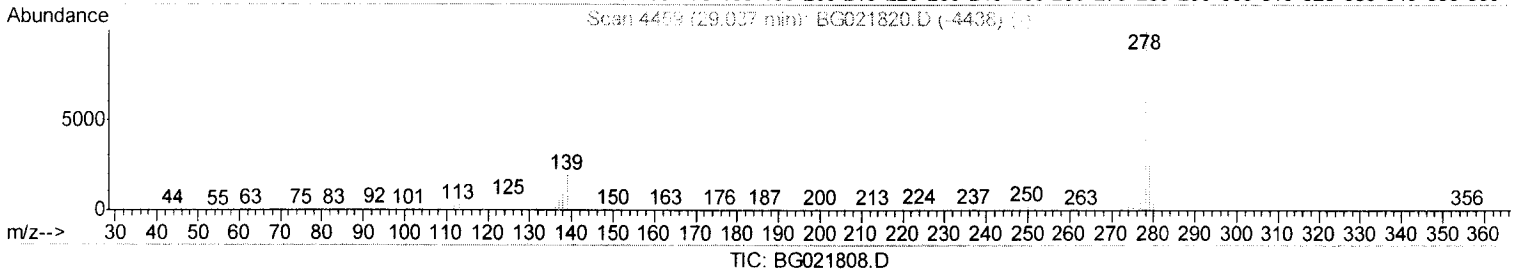
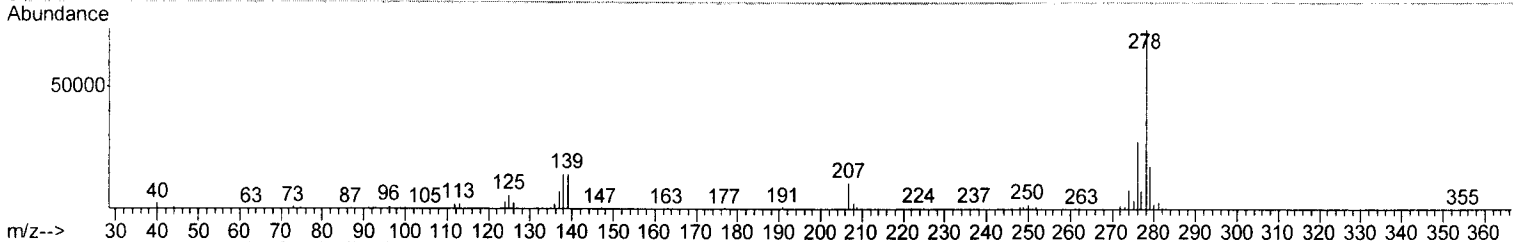
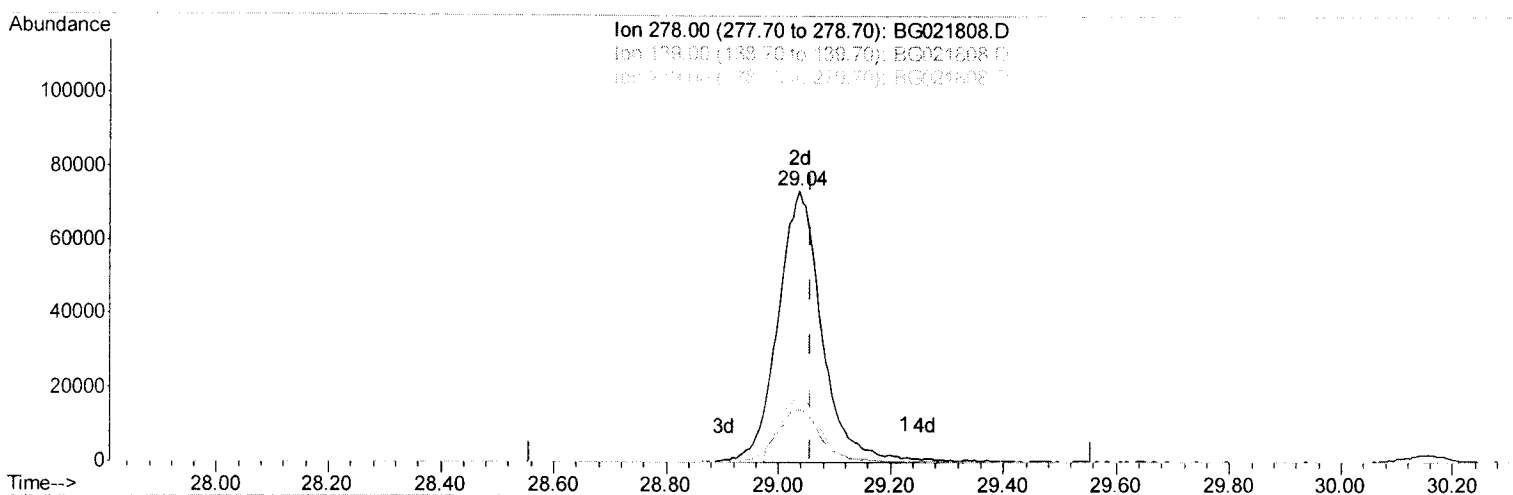
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021808.D
 Acq On : 10 May 2016 9:26
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02013

Manual Integrations
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Quant Time: May 11 03:12:59 2016
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(91) Dibenzo(a,h)anthracene

29.037min (-0.020) 20.57ng/ul m U.M

response 402735

05/12/16

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	19.49#
279.00	24.80	24.04
0.00	0.00	0.00

Quantitation Report (Qedit)

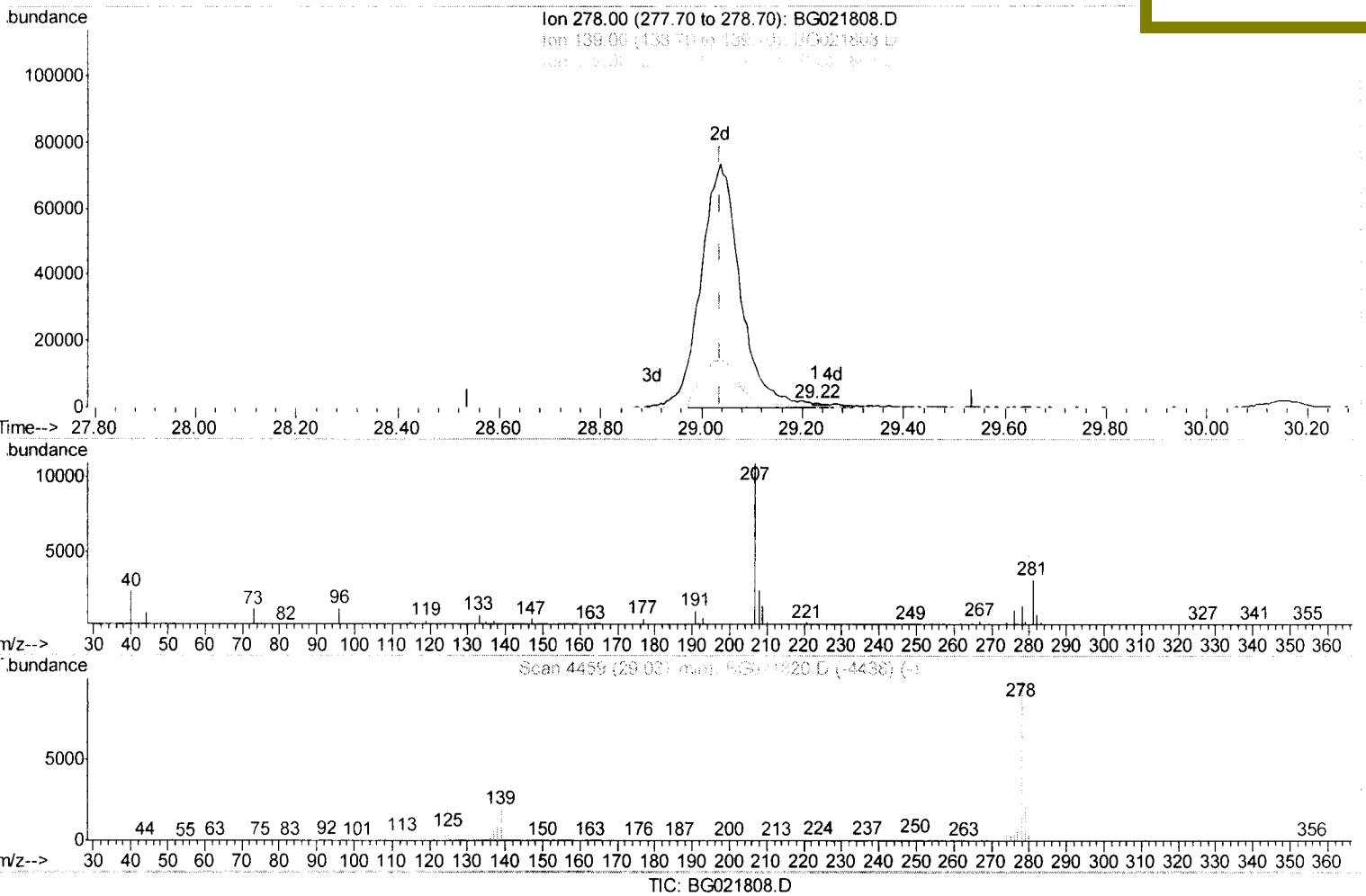
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
Data File : BG021808.D
Acq On : 10 May 2016 9:26
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02013

Manual Integrations
APPROVED

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Quant Time: May 11 19:08:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
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QLast Update : Wed May 11 02:37:33 2016
Response via : Initial Calibration



(91) Dibenzo(a,h)anthracene

29.225min (+0.188) 0.04ng/ul

response 743

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	17.70
279.00	24.80	23.66
0.00	0.00	0.00

Quantitation Report (Qedit)

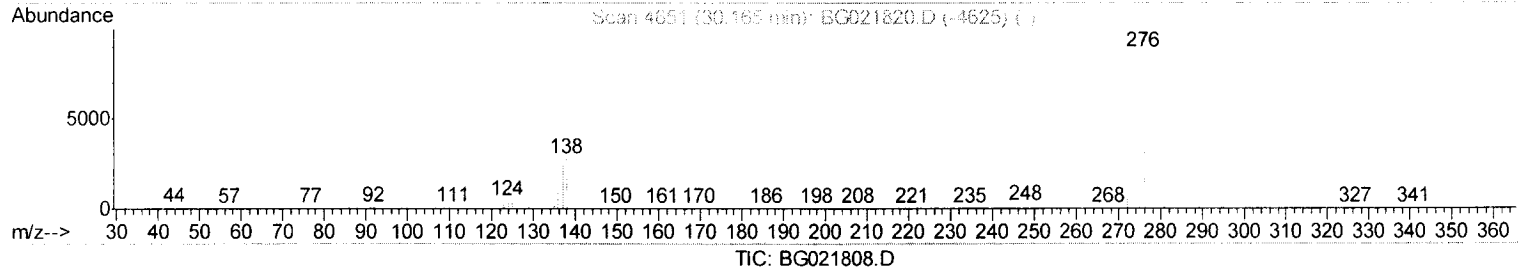
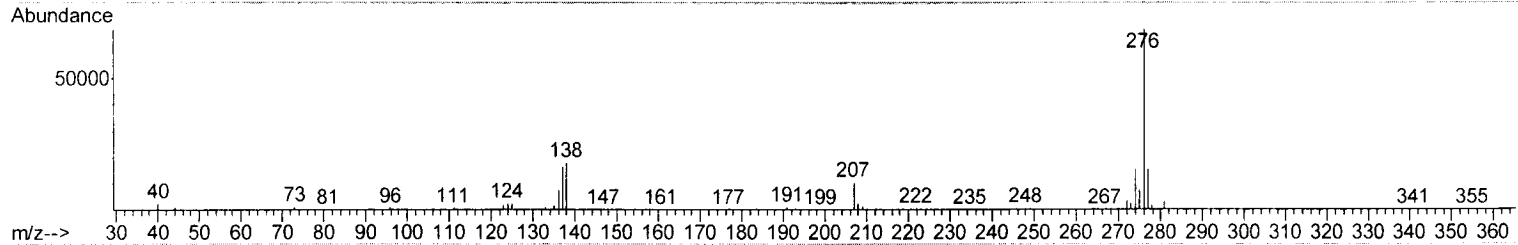
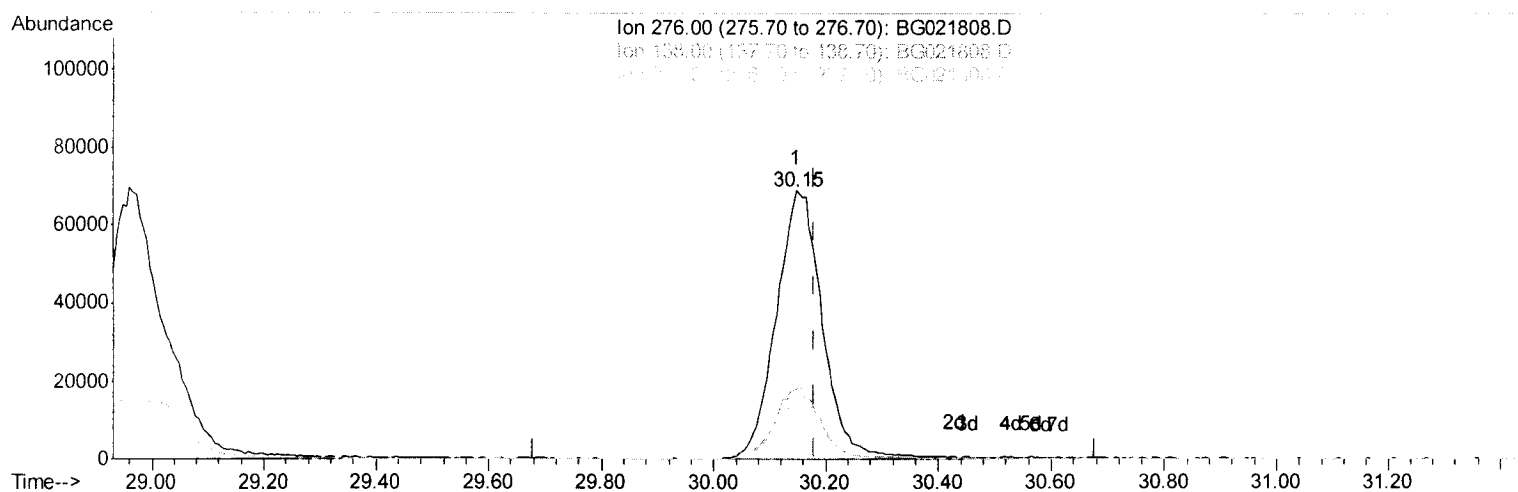
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021808.D
 Acq On : 10 May 2016 9:26
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integrations
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Quant Time: May 11 03:12:59 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 09 16:11:30 2016
 Response via : Initial Calibration



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

30.147min (-0.031) 20.31ng/ul m U.M

response 394361

05/12/16

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	26.24#
277.00	24.70	22.88
0.00	0.00	0.00

Quantitation Report (Qedit)

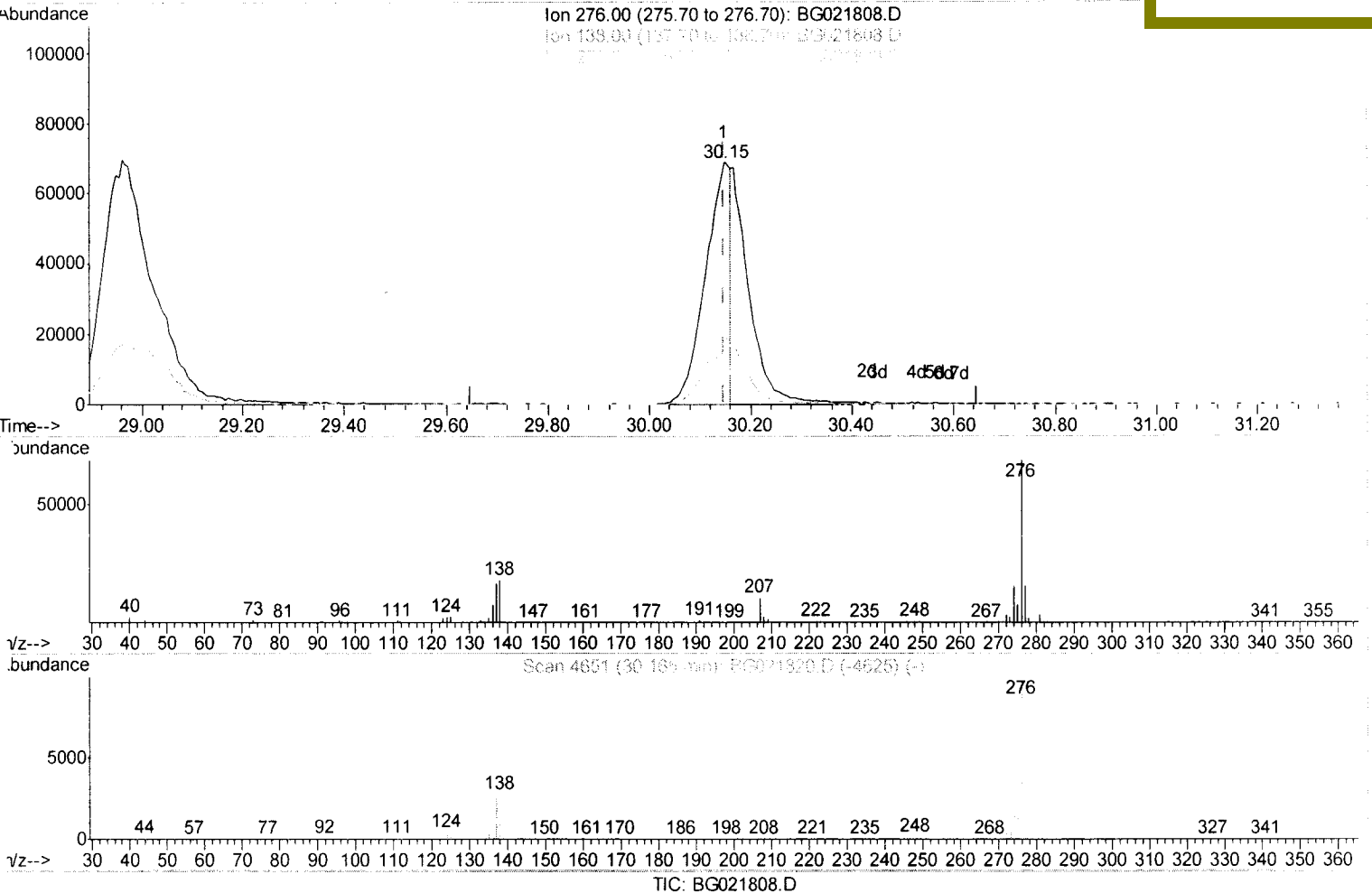
Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
Data File : BG021808.D
Acq On : 10 May 2016 9:26
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02013

Quant Time: May 11 19:08:21 2016
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Quant Title : SVOA CALIBRATION
QLast Update : Wed May 11 02:37:33 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

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

30.147min (0.000) 11.83ng/ul

response 229764

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	26.24#
277.00	24.70	22.88
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021808.D
 Acq On : 10 May 2016 9:26
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Quant Time: May 11 03:12:59 2016
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Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	45350	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	245678	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	150517	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	348020	20.00	ng/ul	0.00
76) Chrysene-d12	21.83	240	364732	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	348325	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.57	96	7687	8.18	ng/uL	0.00
5) Phenol-d5	7.33	99	64780	19.25	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.50	67	34411	20.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.71	132	60580m	23.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	55703	19.71	ng/ul	0.00
19) Nitrobenzene-d5	9.35	128	33888	20.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.08	143	21607	21.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	59991	20.80	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	83811	26.97	ng/ul	0.00
44) Dimethylphthalate-d6	14.20	166	220640	20.87	ng/ul	0.00
47) Acenaphthylene-d8	14.50	160	307601	20.49	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	32509	17.94	ng/ul	0.00
58) Fluorene-d10	15.79	176	221489	19.90	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	18822	19.52	ng/ul	0.00
71) Anthracene-d10	17.64	188	322635	19.04	ng/ul	0.00
77) Pyrene-d10	19.91	212	343618	20.13	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	320527	19.37	ng/ul	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.61	88	14497	8.33	ng/uL#	63
4) Benzaldehyde	7.33	77	38244m	104.55	ng/ul	
6) Phenol	7.36	94	67007	18.72	ng/ul#	72
8) Bis(2-Chloroethyl)ether	7.60	93	56452m	19.37	ng/ul	
10) 2-Chlorophenol	7.74	128	58940	22.38	ng/ul#	77
11) 2-Methylphenol	8.62	108	54209	19.26	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.71	45	56142	21.95	ng/ul#	85
14) Acetophenone	9.01	105	91682	19.69	ng/ul#	67
15) N-Nitroso-di-n-propylamine	8.98	70	44277	21.05	ng/ul#	72
16) 4-Methylphenol	8.94	108	61141	19.67	ng/ul	91
17) Hexachloroethane	9.27	117	25277	21.67	ng/ul	95
20) Nitrobenzene	9.39	77	62490	20.01	ng/ul#	73
21) Isophorone	9.91	82	138863	19.15	ng/ul#	86
23) 2-Nitrophenol	10.11	139	25561	20.77	ng/ul#	56
24) 2,4-Dimethylphenol	10.16	107	63024	20.46	ng/ul#	70
25) Bis(2-Chloroethoxy)methane	10.39	93	83820	19.25	ng/ul#	96
27) 2,4-Dichlorophenol	10.64	162	61427	20.90	ng/ul	95
28) Naphthalene	11.05	128	245421	19.92	ng/ul	100
30) 4-Chloroaniline	11.16	127	83697	26.60	ng/ul	98
31) Hexachlorobutadiene	11.33	225	39671	19.99	ng/ul	96
32) Caprolactam	11.92	113	24397m	19.63	ng/ul	
33) 4-Chloro-3-methylphenol	12.26	107	56932	19.16	ng/ul#	73
34) 2-Methylnaphthalene	12.64	142	176479	19.46	ng/ul	99

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051016\
 Data File : BG021808.D
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 Sample : SSTDCCC020
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Instrument :
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Manual Integrations
 APPROVED

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Quant Time: May 11 03:12:59 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 09 16:11:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.86	142	182009	20.23	ng/ul#	96
37) 1,2,4,5-Tetrachlorobenzene	13.00	216	87825	21.04	ng/ul#	91
38) Hexachlorocyclopentadiene	12.98	237	43064	20.29	ng/ul#	95
39) 2,4,6-Trichlorophenol	13.24	196	44286	22.22	ng/ul	93
40) 2,4,5-Trichlorophenol	13.31	196	56749	20.34	ng/ul	90
41) 1,1'-Biphenyl	13.64	154	239993	20.47	ng/ul#	95
42) 2-Chloronaphthalene	13.68	162	180402	20.29	ng/ul	96
43) 2-Nitroaniline	13.89	65	31205m	21.33	ng/ul	
45) Dimethylphthalate	14.25	163	223060	20.71	ng/ul	98
46) 2,6-Dinitrotoluene	14.37	165	44883	21.12	ng/ul#	68
48) Acenaphthylene	14.52	152	323869	21.03	ng/ul	98
49) 3-Nitroaniline	14.71	138	50014	20.76	ng/ul#	61
50) Acenaphthene	14.87	153	216476	20.26	ng/ul	98
51) 2,4-Dinitrophenol	14.90	184	8000	16.60	ng/ul#	66
53) 4-Nitrophenol	15.00	109	14712m	17.82	ng/ul	
54) Dibenzofuran	15.19	168	290306	20.26	ng/ul#	83
55) 2,4-Dinitrotoluene	15.15	165	61427	20.88	ng/ul#	56
56) 2,3,4,6-Tetrachlorophenol	15.42	232	42322	21.48	ng/ul#	89
57) Diethylphthalate	15.60	149	224014	21.33	ng/ul	99
59) Fluorene	15.85	166	249457	20.13	ng/ul	98
60) 4-Chlorophenyl-phenylether	15.83	204	114203	20.42	ng/ul#	87
61) 4-Nitroaniline	15.87	138	51891m	18.85	ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.91	198	20372	19.39	ng/ul#	77
65) N-Nitrosodiphenylamine	16.05	169	199306	19.61	ng/ul	92
66) 4-Bromophenyl-phenylether	16.73	248	67618	18.56	ng/ul#	81
67) Hexachlorobenzene	16.85	284	86026	20.49	ng/ul#	81
68) Atrazine	16.99	200	65731	22.51	ng/ul	96
69) Pentachlorophenol	17.19	266	29297	18.26	ng/ul	91
70) Phenanthrene	17.59	178	387548	20.37	ng/ul	98
72) Anthracene	17.67	178	393549	20.36	ng/ul	99
73) Carbazole	17.94	167	365417m	21.81	ng/ul	
74) Di-n-butylphthalate	18.49	149	364787	23.96	ng/ul#	96
75) Fluoranthene	19.58	202	429557	19.87	ng/ul#	95
78) Pyrene	19.94	202	445597m	21.12	ng/ul	
79) Butylbenzylphthalate	20.82	149	115310	24.72	ng/ul#	81
80) 3,3'-Dichlorobenzidine	21.72	252	126029	20.91	ng/ul	94
81) Benzo(a)anthracene	21.80	228	416959	20.54	ng/ul	98
82) Bis(2-ethylhexyl)phthalate	21.70	149	193710	25.44	ng/ul	96
83) Chrysene	21.87	228	412491	20.54	ng/ul	98
85) Di-n-octyl phthalate	22.95	149	310659	21.63	ng/ul	100
86) Benzo(b)fluoranthene	24.10	252	405451	20.34	ng/ul#	96
87) Benzo(k)fluoranthene	24.16	252	425418	19.93	ng/ul#	97
89) Benzo(a)pyrene	24.99	252	406363	20.47	ng/ul#	96
90) Indeno(1,2,3-cd)pyrene	28.96	276	472611	20.09	ng/ul#	95
91) Dibenzo(a,h)anthracene	29.04	278	402735m	20.57	ng/ul	
92) Benzo(g,h,i)perylene	30.15	276	394361m	20.31	ng/ul	

U.M
 05/12/16

U.M
 05/12/16

U.M
 05/12/16

U.M
 05/12/16

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