

(QT Reviewed)

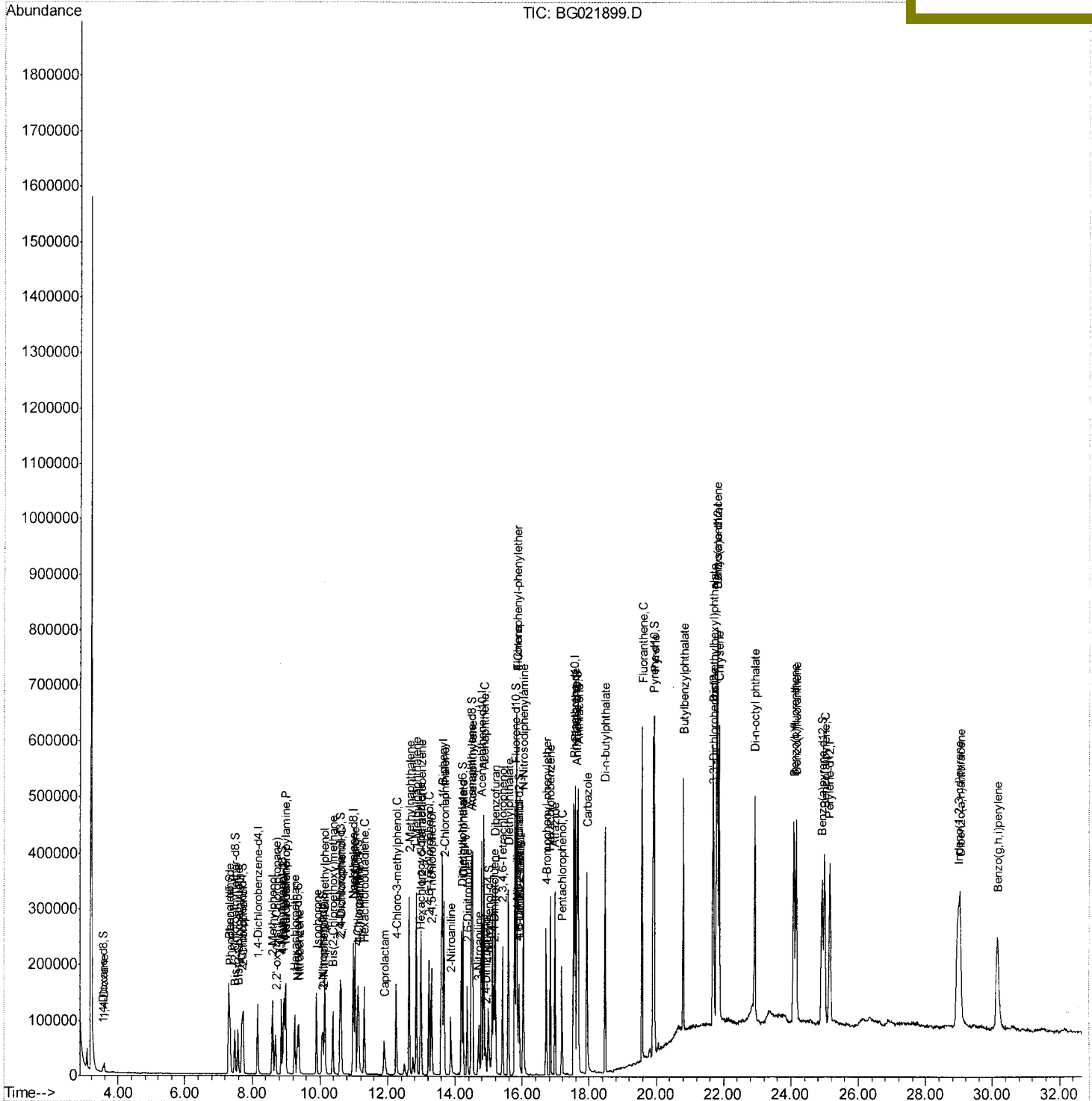
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Data Path   : Z:\HPCHEM1\BNA G\DATA\BG051516\  
Data File  : BG021899.D  
Acq On     : 15 May 2016   18:55  
Operator   : UM/SJ  
Sample     : SSTDCCC020EC  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

Instrument :
BNA_G
LabSampleId :
SSTD02023

Quant Time: May 16 03:50:34 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 16 01:27:47 2016
Response via : Initial Calibration

Manual Integrations

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Quantitation Report (Qedit)

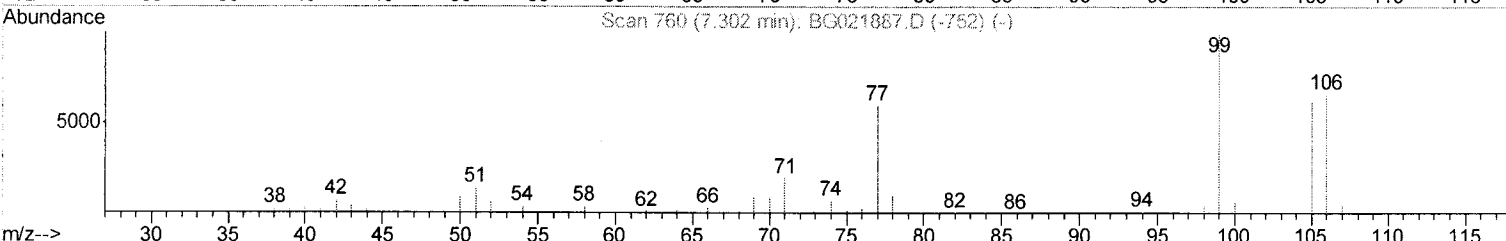
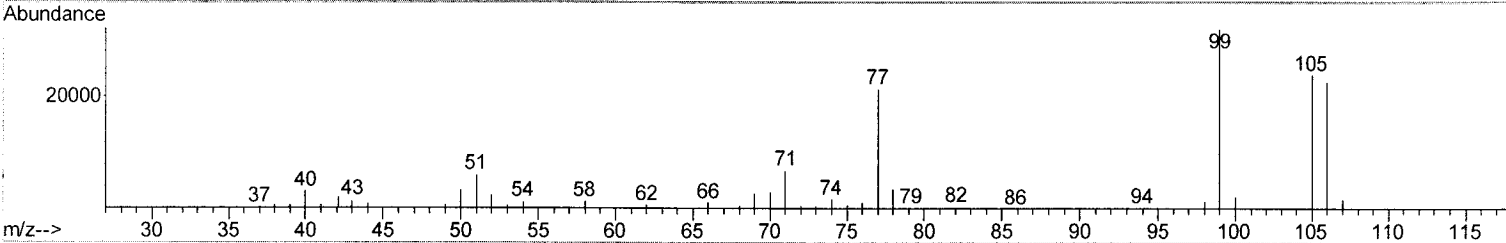
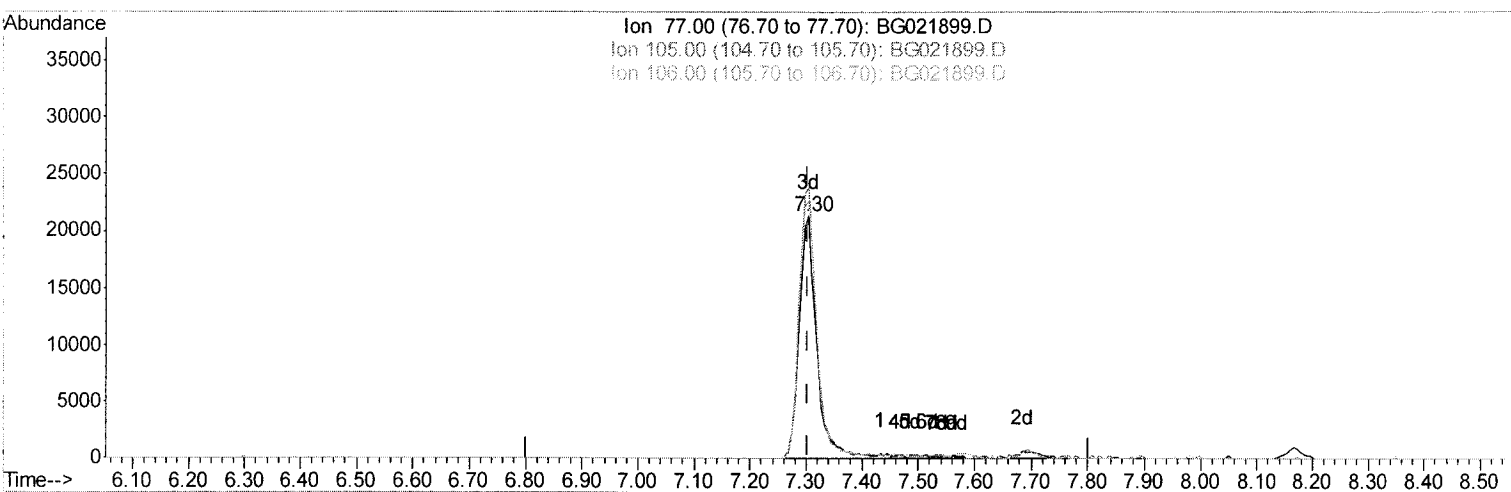
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
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Manual Integrations
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Quant Time: May 16 01:30:16 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
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TIC: BG021899.D

(4) Benzaldehyde

7.303min (+0.001) 105.16ng/ul m

response 46170

Ion	Exp%	Act%
77.00	100	100
105.00	85.60	111.82#
106.00	81.20	106.34#
0.00	0.00	0.00

U.M
 05/17/16

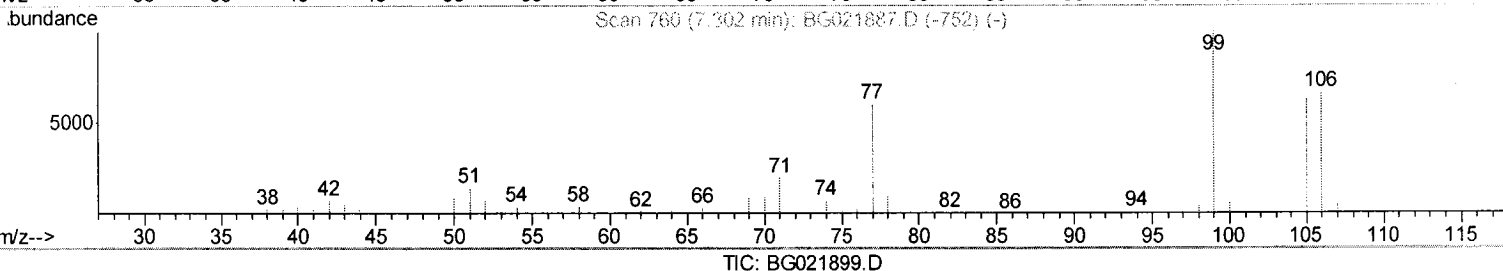
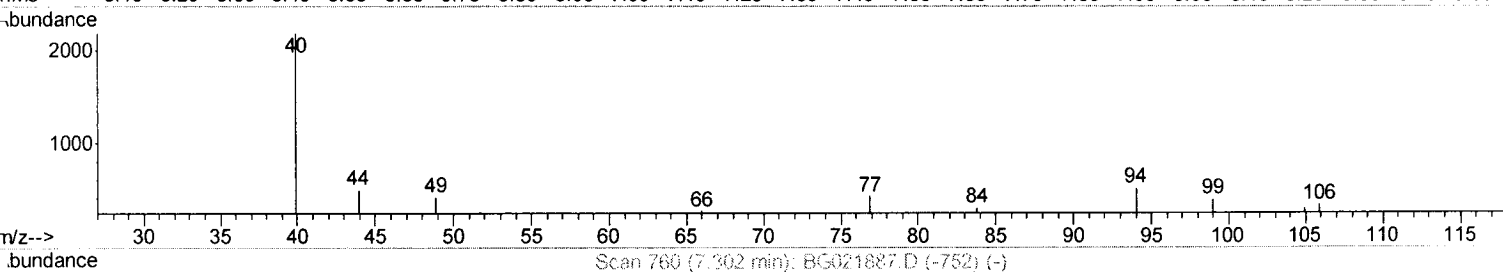
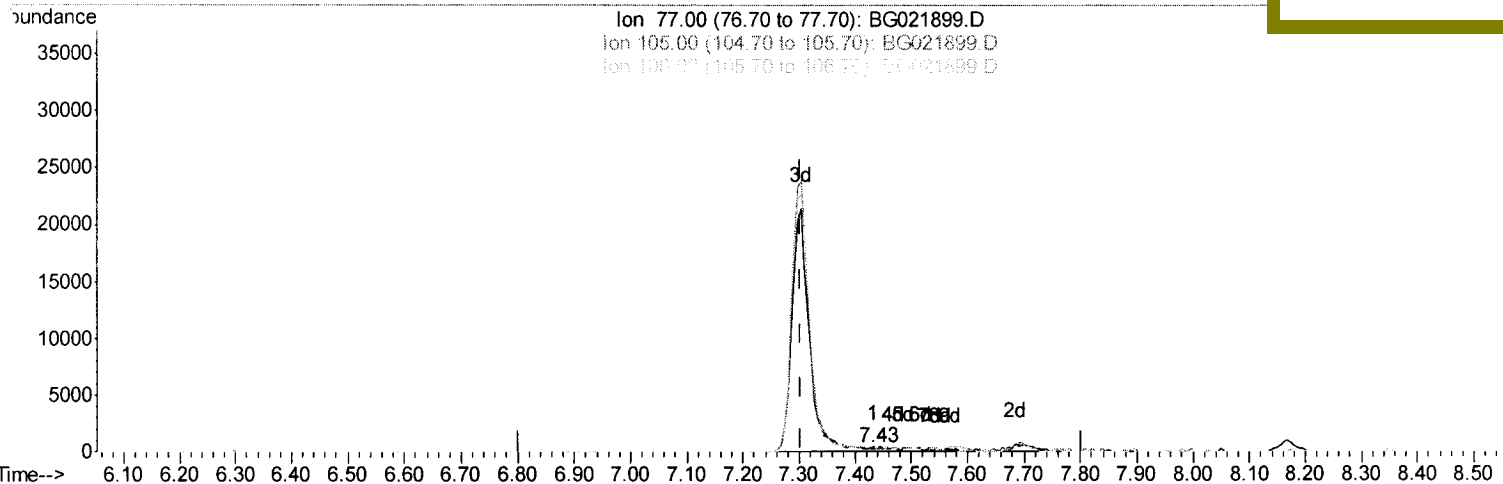
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021899.D
Acq On : 15 May 2016 18:55
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02023

Quant Time: May 16 01:30:16 2016
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(4) Benzaldehyde

7.433min (+0.130) 0.54ng/ul

response 239

Ion	Exp%	Act%
77.00	100	100
105.00	85.60	69.09
106.00	81.20	78.92
0.00	0.00	0.00

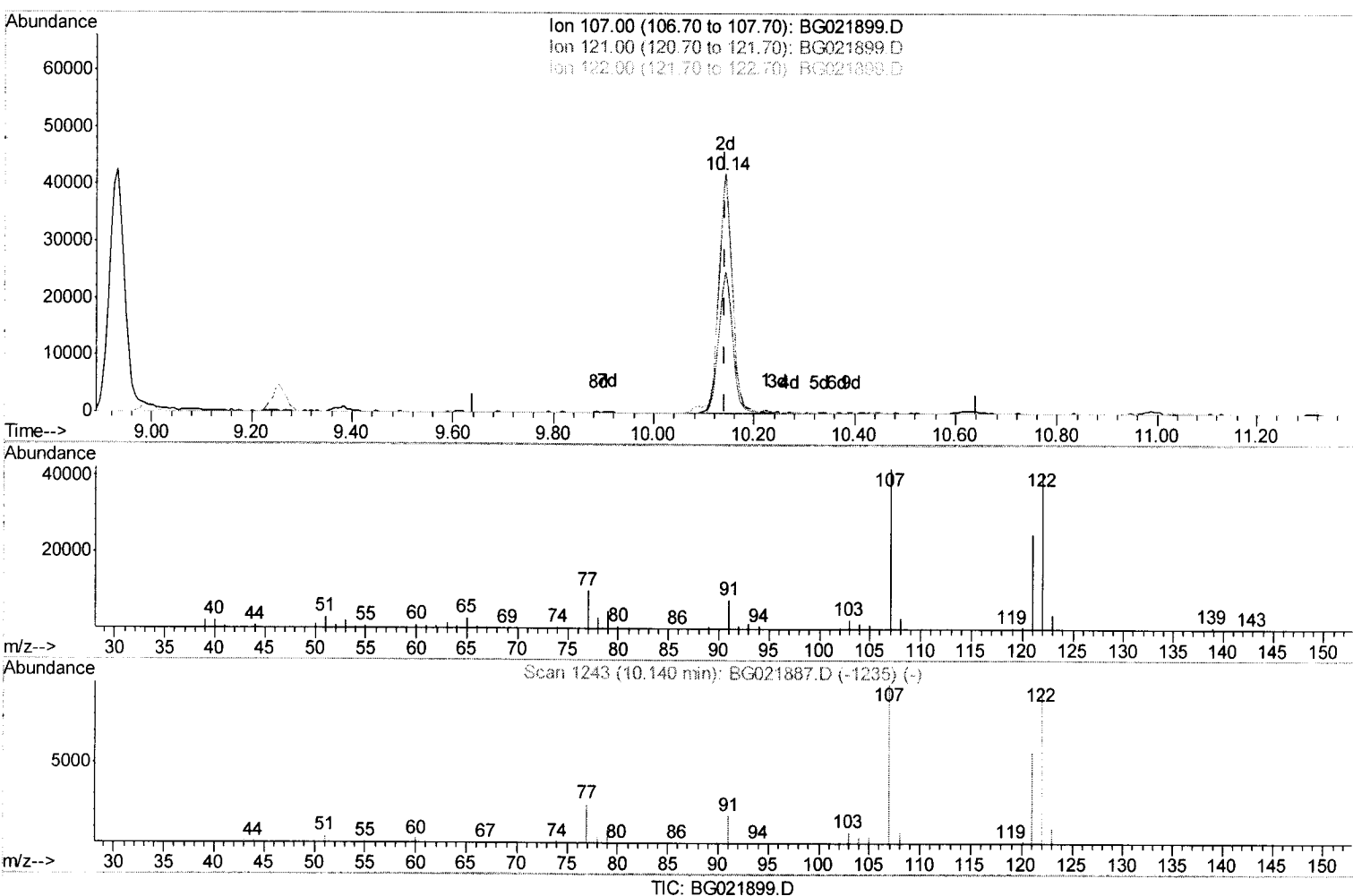
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Data File   : BG021899.D  
Acq On      : 15 May 2016   18:55  
Operator    : UM/SJ  
Sample      : SSTDCCC020EC  
Misc        :  
ALS Vial    : 2      Sample Multiplier: 1
```

Instrument :
BNA_G
LabSampleId :
SSTD02023

Manual Integrations APPROVED

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Quant Time: May 16 01:30:16 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
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(24) 2,4-Dimethylphenol

10.141min (+0.001) 23.19ng/ul m U.M
response 79243
05/17/16

Ion	Exp%	Act%
107.00	100	100
121.00	41.50	59.15#
122.00	71.80	98.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

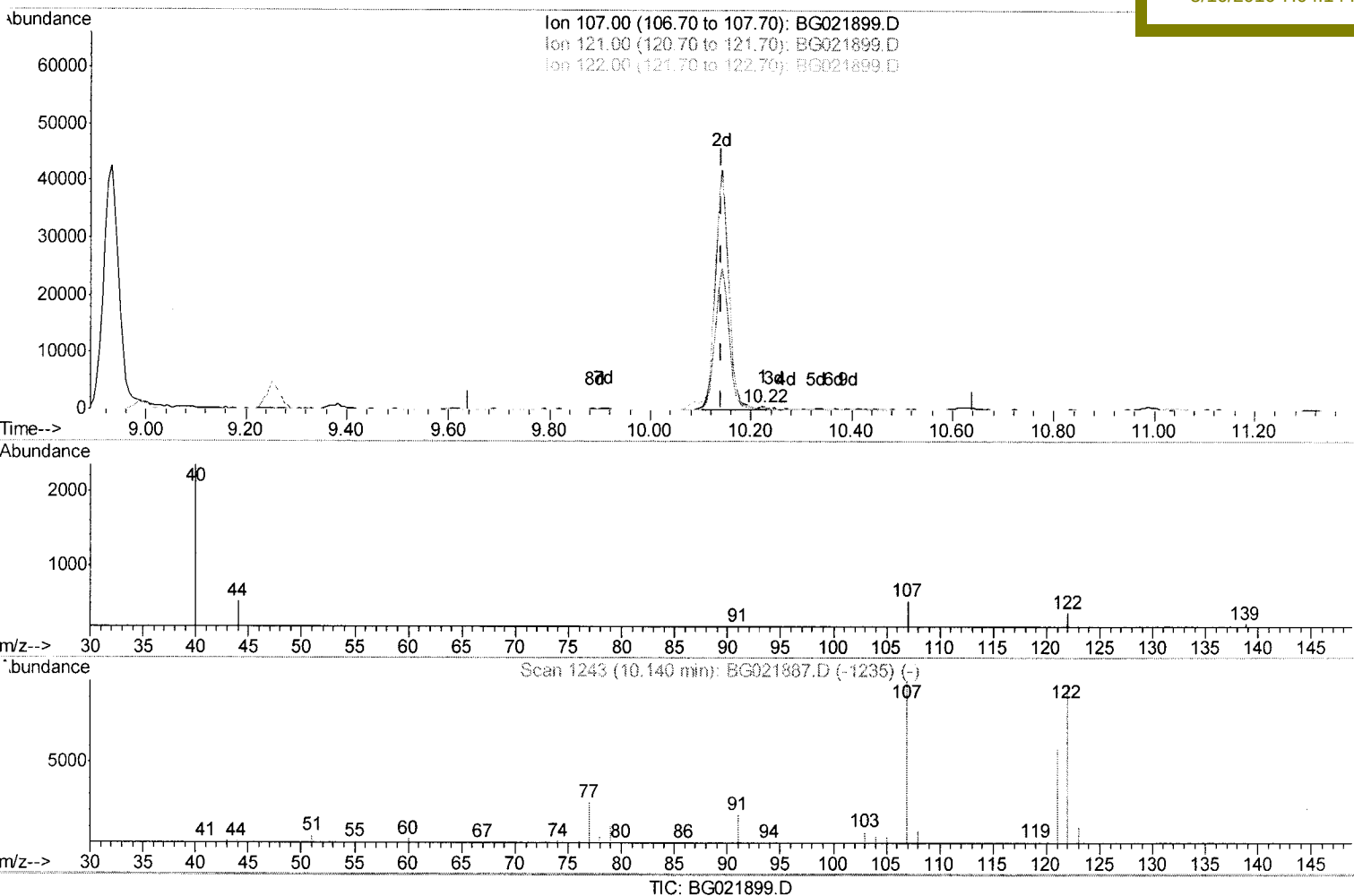
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Manual Integrations
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(24) 2,4-Dimethylphenol

10.224min (+0.083) 0.10ng/ul

response 336

Ion	Exp%	Act%
107.00	100	100
121.00	41.50	34.96
122.00	71.80	70.68
0.00	0.00	0.00

Quantitation Report (Qedit)

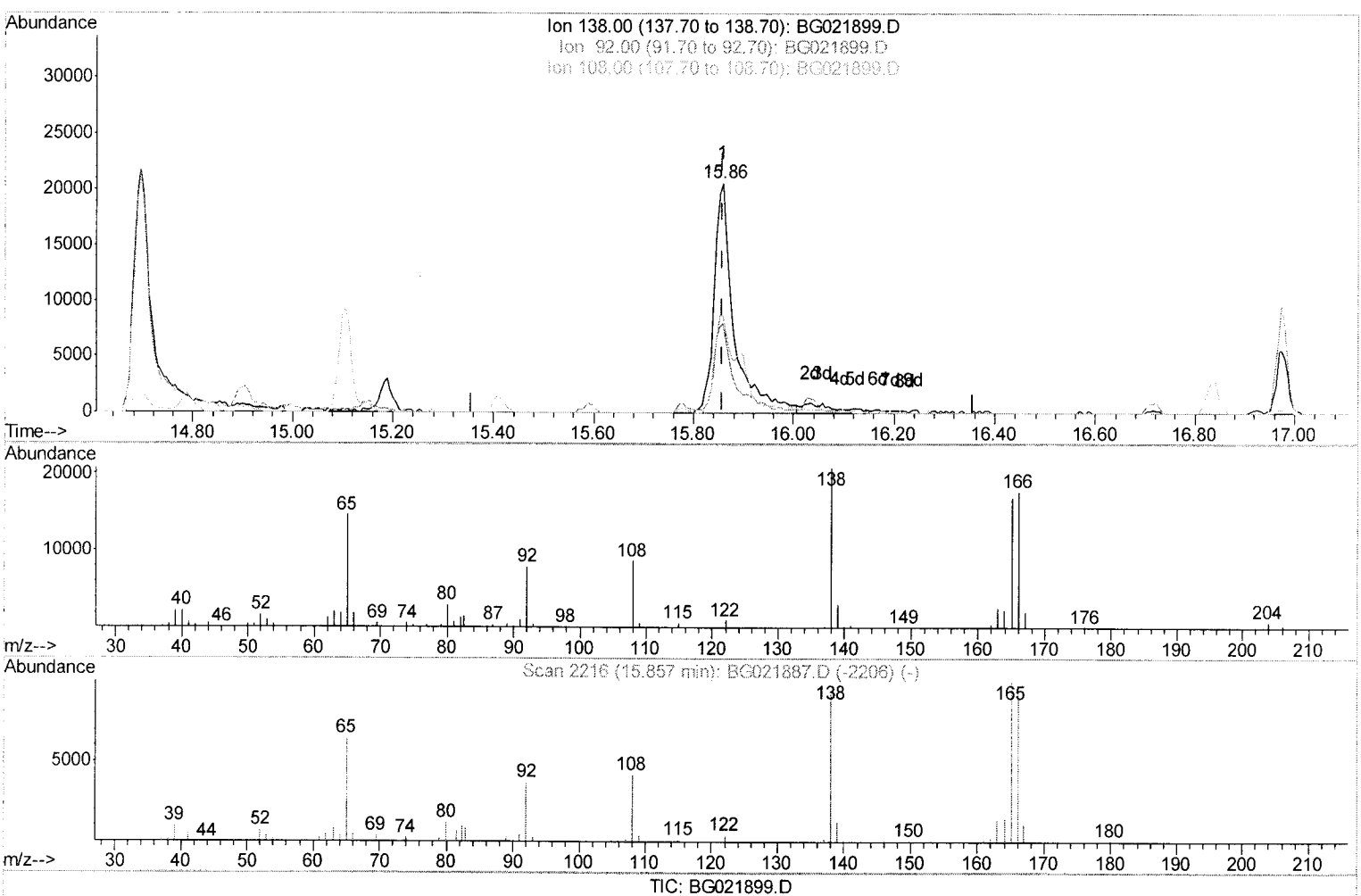
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 Data File : BG021899.D
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 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integrations
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Quant Time: May 16 01:30:16 2016
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(61) 4-Nitroaniline

15.858min (+0.001) 18.93ng/ul m U.M
05/17/16

response 57088

Ion	Exp%	Act%
138.00	100	100
92.00	64.90	38.49#
108.00	119.10	42.11#
0.00	0.00	0.00

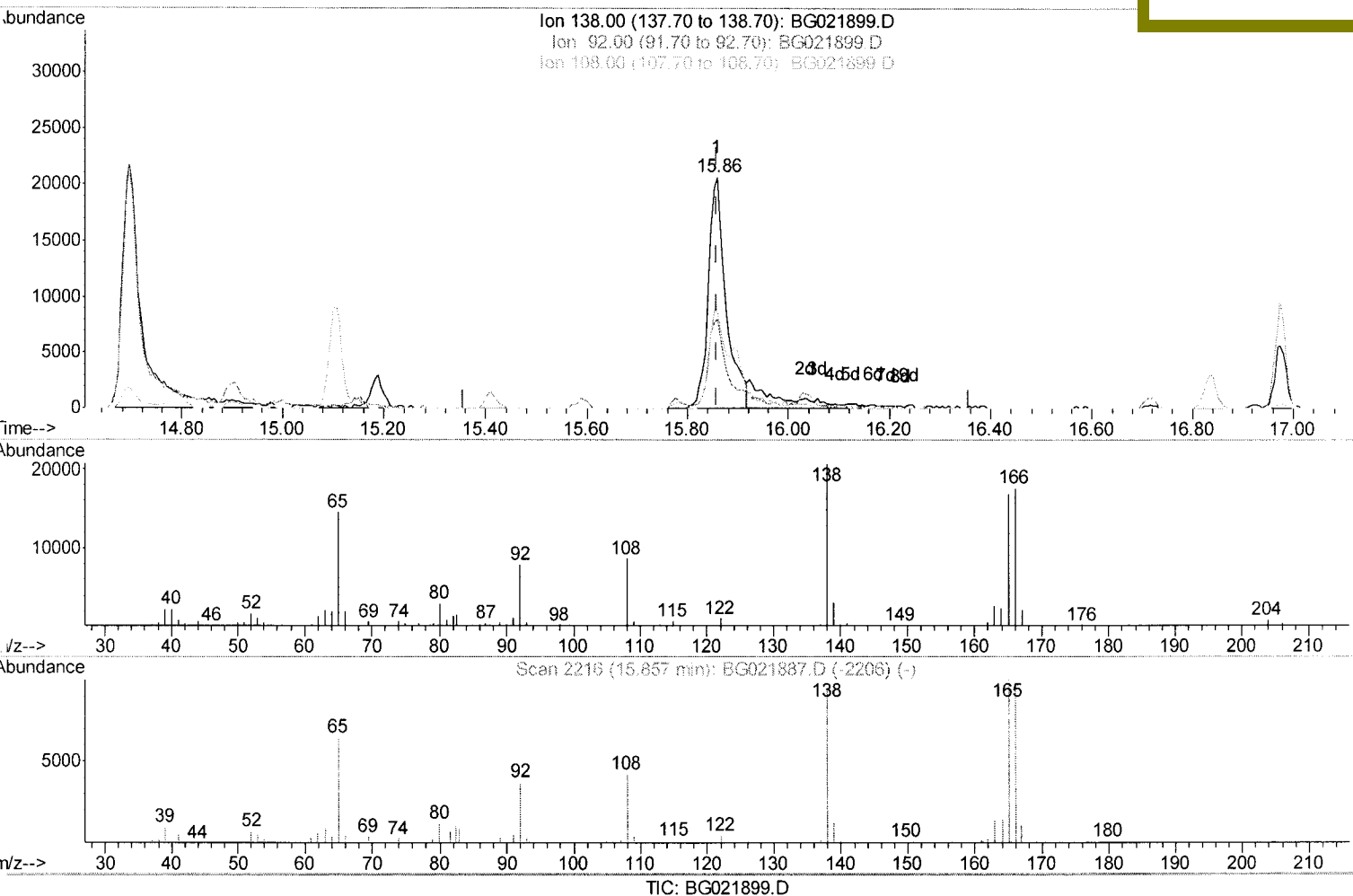
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021899.D
Acq On : 15 May 2016 18:55
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02023

Manual Integrations
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(61) 4-Nitroaniline

15.858min (+0.001) 16.72ng/ul

response 50421

Ion	Exp%	Act%
138.00	100	100
92.00	64.90	38.49#
108.00	119.10	42.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

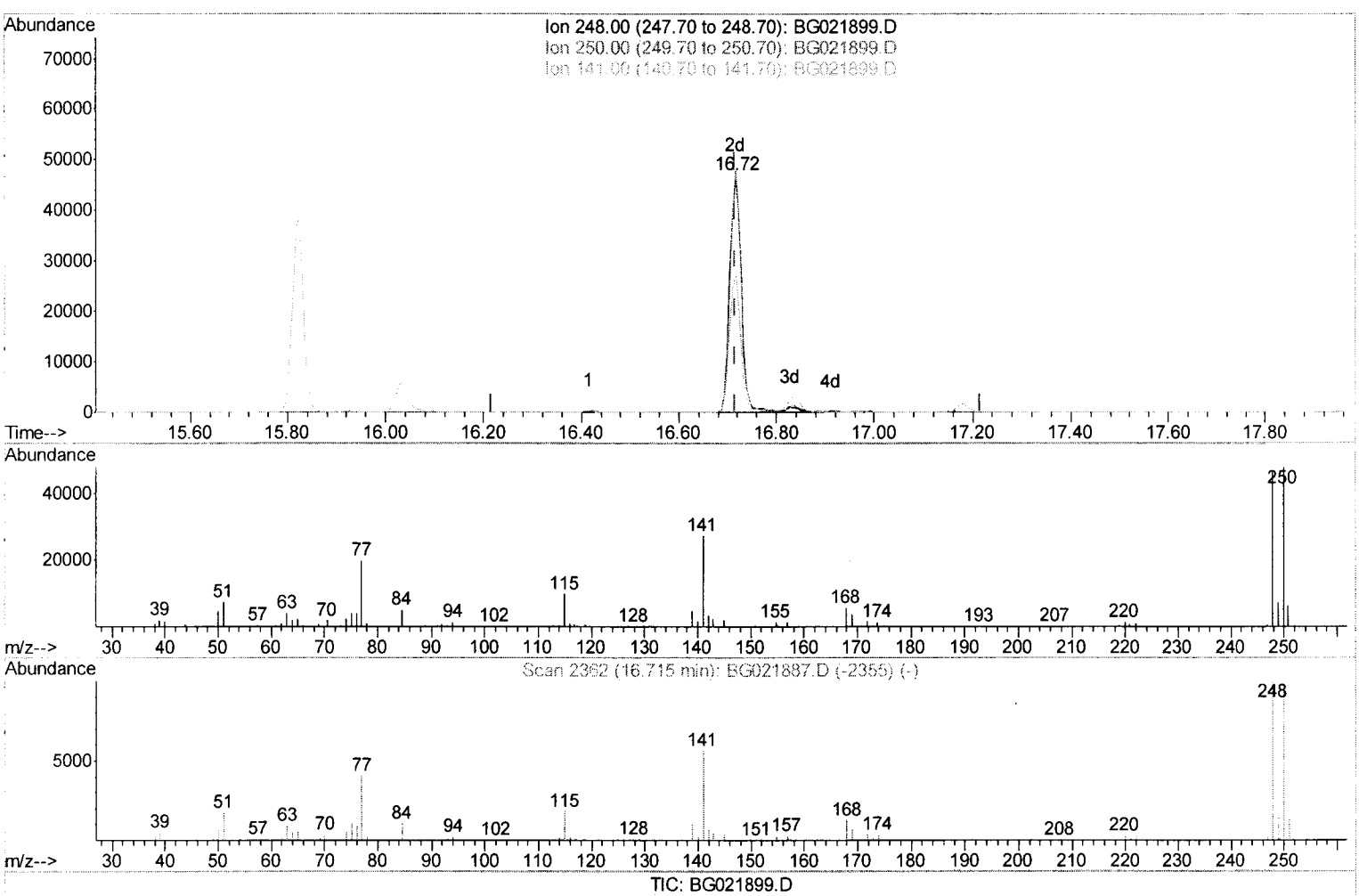
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021899.D
 Acq On : 15 May 2016 18:55
 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
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Manual Integrations
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(66) 4-Bromophenyl-phenylether

16.716min (+0.001) 21.15ng/ul m U.M

response 77576

05/17/16

Ion	Exp%	Act%
248.00	100	100
250.00	99.30	101.73
141.00	95.70	58.31#
0.00	0.00	0.00

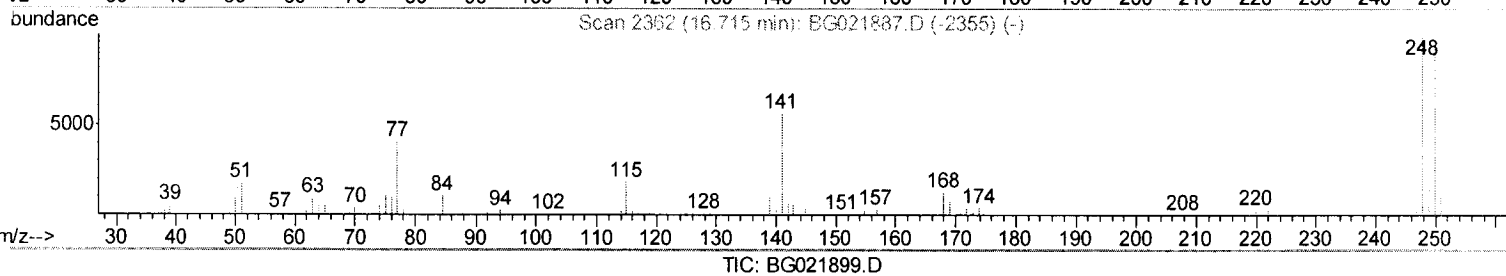
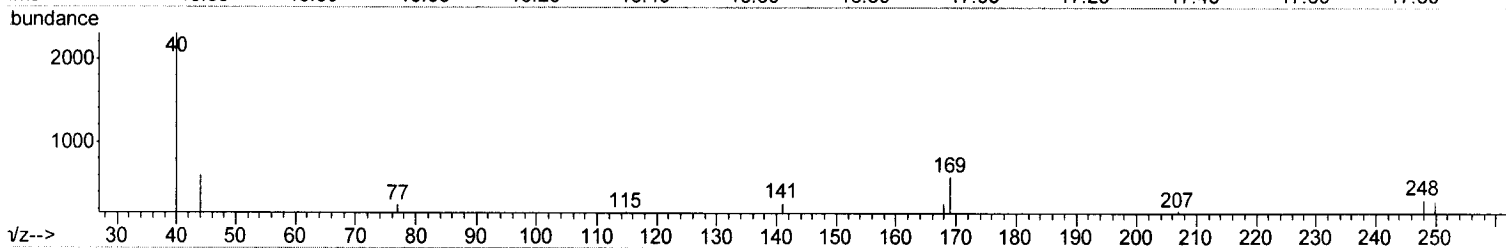
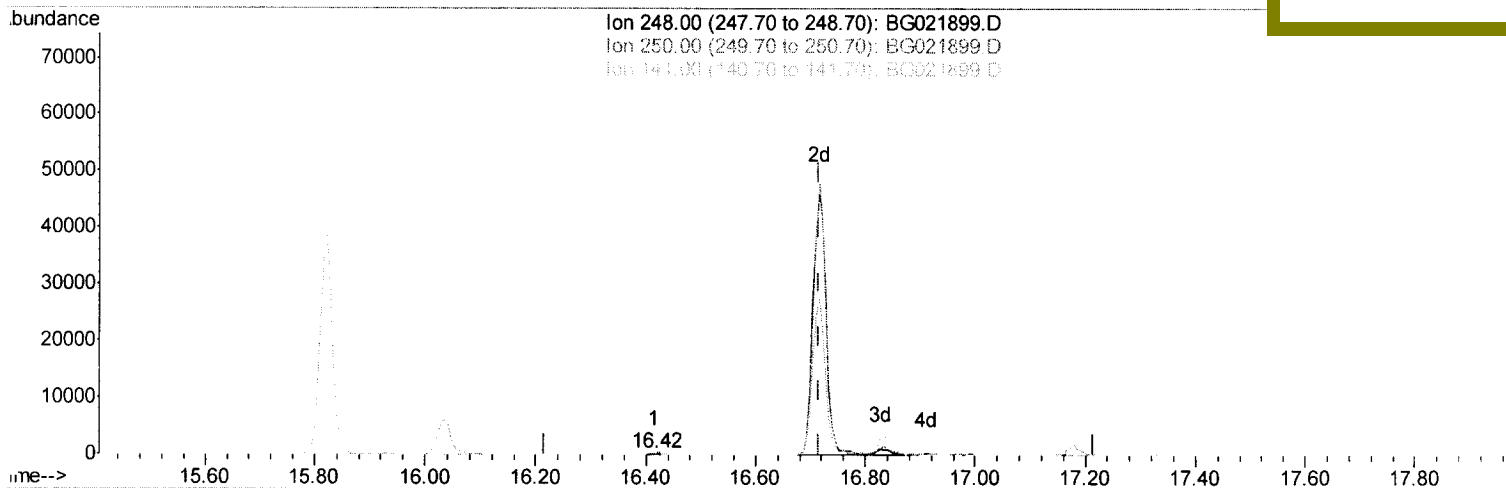
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Data File : BG021899.D
Acq On : 15 May 2016 18:55
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02023

Manual Integrations
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(66) 4-Bromophenyl-phenylether

16.416min (-0.299) 0.08ng/ul

response 289

Ion	Exp%	Act%
248.00	100	100
250.00	99.30	95.33
141.00	95.70	85.05
0.00	0.00	0.00

Quantitation Report (Qedit)

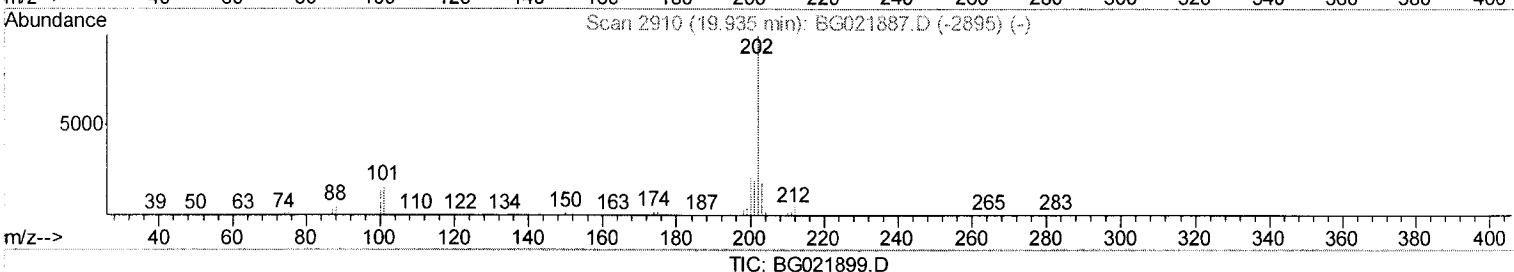
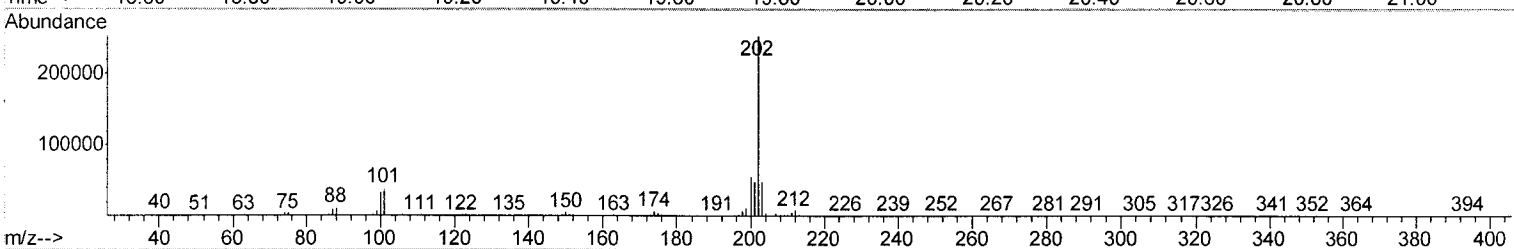
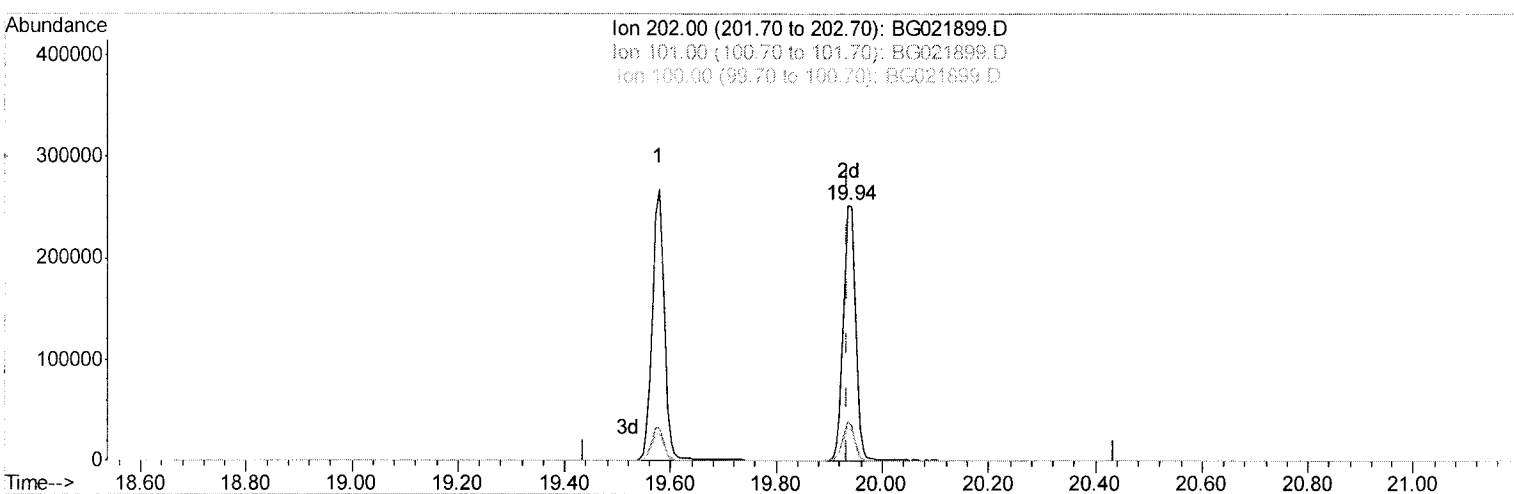
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 Operator : UM/SJ
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Manual Integrations
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(78) Pyrene

19.936min (+0.001) 21.25ng/ul m U.M

response 419327

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	15.37#
100.00	11.60	13.22
0.00	0.00	0.00

05/17/16

Quantitation Report (Qedit)

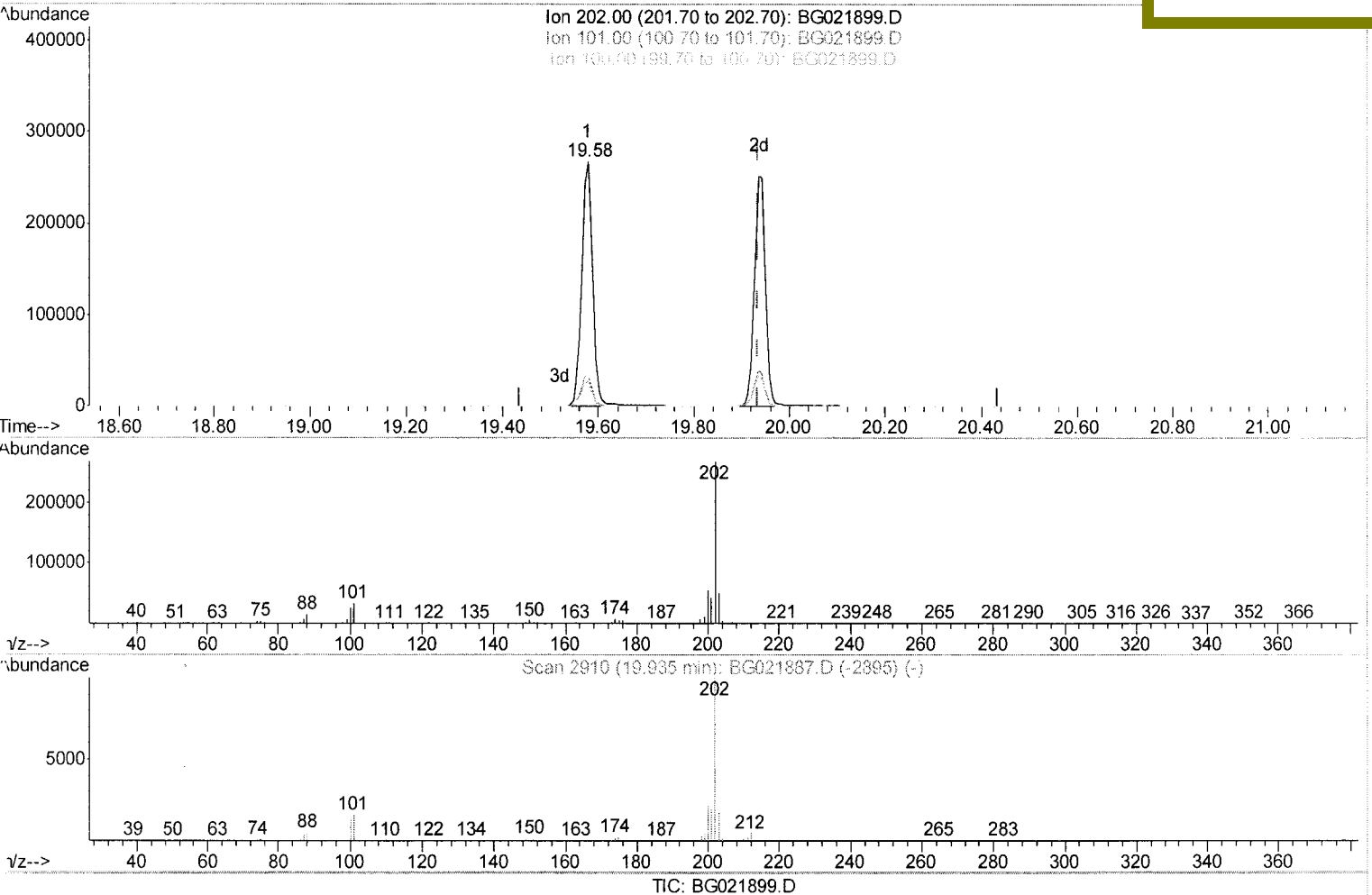
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
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 Acq On : 15 May 2016 18:55
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 Sample : SSTDCCC020EC
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Instrument :
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Manual Integrations
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(78) Pyrene

19.577min (-0.357) 21.25ng/ul

response 419348

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	12.48
100.00	11.60	9.86
0.00	0.00	0.00

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 ALS Vial : 2 Sample Multiplier: 1

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Manual Integrations
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 5/16/2016 7:04:14 PM

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Internal Standards	R.T.	Q Ion	Response	Conc	Units	Dev (Min)
35) 1-Methylnaphthalene	12.84	142	198992	19.94	ng/ul#	97
37) 1,2,4,5-Tetrachlorobenzene	12.99	216	101017	22.09	ng/ul#	92
38) Hexachlorocyclopentadiene	12.97	237	42080	18.10	ng/ul#	95
39) 2,4,6-Trichlorophenol	13.23	196	67342	30.84	ng/ul	98
40) 2,4,5-Trichlorophenol	13.30	196	69118	22.60	ng/ul	94
41) 1,1'-Biphenyl	13.63	154	261504	20.35	ng/ul#	96
42) 2-Chloronaphthalene	13.67	162	202701	20.81	ng/ul	94
43) 2-Nitroaniline	13.88	65	35975	22.45	ng/ul#	15
45) Dimethylphthalate	14.24	163	243154	20.61	ng/ul	98
46) 2,6-Dinitrotoluene	14.36	165	55475	23.82	ng/ul#	64
48) Acenaphthylene	14.51	152	344246	20.40	ng/ul	99
49) 3-Nitroaniline	14.69	138	55552	21.04	ng/ul#	65
50) Acenaphthene	14.85	153	235892	20.15	ng/ul	96
51) 2,4-Dinitrophenol	14.90	184	21371	40.48	ng/ul#	49
53) 4-Nitrophenol	14.99	109	17284	19.10	ng/ul#	32
54) Dibenzofuran	15.19	168	309755	19.73	ng/ul#	81
55) 2,4-Dinitrotoluene	15.15	165	74086	22.98	ng/ul#	52
56) 2,3,4,6-Tetrachlorophenol	15.41	232	63950	29.62	ng/ul#	84
57) Diethylphthalate	15.59	149	245929	21.38	ng/ul	98
59) Fluorene	15.83	166	260368	19.18	ng/ul	96
60) 4-Chlorophenyl-phenylether	15.82	204	124019	20.24	ng/ul#	87
61) 4-Nitroaniline	15.86	138	57088m	18.93	ng/ul	
64) 4,6-Dinitro-2-methylphenol	15.91	198	37898	35.83	ng/ul#	77
65) N-Nitrosodiphenylamine	16.03	169	217465	21.26	ng/ul	91
66) 4-Bromophenyl-phenylether	16.72	248	77576m	21.15	ng/ul	
67) Hexachlorobenzene	16.84	284	91426	21.63	ng/ul#	76
68) Atrazine	16.97	200	75376	25.65	ng/ul	98
69) Pentachlorophenol	17.18	266	49584	30.71	ng/ul	94
70) Phenanthrene	17.57	178	389439	20.33	ng/ul	97
72) Anthracene	17.67	178	388673	19.98	ng/ul	99
73) Carbazole	17.94	167	346620	20.55	ng/ul#	95
74) Di-n-butylphthalate	18.48	149	418969	27.34	ng/ul#	96
75) Fluoranthene	19.58	202	419348	19.27	ng/ul	97
78) Pyrene	19.94	202	419327m	21.25	ng/ul	
79) Butylbenzylphthalate	20.81	149	179840	41.22	ng/ul#	75
80) 3,3'-Dichlorobenzidine	21.70	252	141848	25.17	ng/ul	95
81) Benzo(a)anthracene	21.80	228	392755	20.69	ng/ul	98
82) Bis(2-ethylhexyl)phthalate	21.68	149	264399	37.12	ng/ul	96
83) Chrysene	21.86	228	375182	19.98	ng/ul	97
85) Di-n-octyl phthalate	22.93	149	448164	31.75	ng/ul	100
86) Benzo(b)fluoranthene	24.09	252	391814	19.99	ng/ul#	97
87) Benzo(k)fluoranthene	24.15	252	388960	18.54	ng/ul#	98
89) Benzo(a)pyrene	24.99	252	381066	19.53	ng/ul#	96
90) Indeno(1,2,3-cd)pyrene	28.97	276	460626	19.92	ng/ul#	95
91) Dibenzo(a,h)anthracene	29.04	278	380348	19.76	ng/ul#	96
92) Benzo(a,h,i)perylene	30.16	276	375325	19.67	ng/ul#	92

Sum
05/17/16

Sum
05/17/16

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

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 Data File : BG021899.D
 Acq On : 15 May 2016 18:55
 Operator : UM/SJ
 Sample : SSTDC0020EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDC02023

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 5/16/2016 7:04:14 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	54431	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	272496	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	164922	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	350300	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	341137	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	342414	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	7778	6.90	ng/uL	0.00
5) Phenol-d5	7.31	99	84947	21.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	39744	19.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	76332	24.35	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	76831	22.65	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	40099	22.38	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	42645	37.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	80888	25.28	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	102797	29.82	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	242273	20.91	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	332211	20.20	ng/ul	0.00
52) 4-Nitrophenol-d4	14.98	143	42691	21.50	ng/ul	0.00
58) Fluorene-d10	15.78	176	228305	18.72	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	35526	36.61	ng/ul	0.00
71) Anthracene-d10	17.63	188	326796	19.17	ng/ul	0.00
77) Pyrene-d10	19.91	212	328461	20.57	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	310204	19.07	ng/ul	0.00

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.58	88	14488	6.93	ng/uL#	57
4) Benzaldehyde	7.30	77	46170m	105.16	ng/ul	72
6) Phenol	7.34	94	85186	19.83	ng/ul#	73
8) Bis(2-Chloroethyl)ether	7.57	93	64876	18.55	ng/ul#	78
10) 2-Chlorophenol	7.73	128	77658	24.57	ng/ul#	98
11) 2-Methylphenol	8.60	108	71420	21.14	ng/ul	87
12) 2,2'-oxybis(1-Chloropropan	8.70	45	60118	19.58	ng/ul#	68
14) Acetophenone	8.99	105	108093	19.34	ng/ul#	72
15) N-Nitroso-di-n-propylamine	8.97	70	48343	19.14	ng/ul#	84
16) 4-Methylphenol	8.93	108	80311	21.53	ng/ul	90
17) Hexachloroethane	9.25	117	28783	20.56	ng/ul	68
20) Nitrobenzene	9.38	77	67232	19.41	ng/ul#	86
21) Isophorone	9.90	82	152287	18.93	ng/ul#	57
23) 2-Nitrophenol	10.09	139	46029	33.72	ng/ul#	97
24) 2,4-Dimethylphenol	10.14	107	79243m	23.19	ng/ul	93
25) Bis(2-Chloroethoxy)methane	10.38	93	93332	19.32	ng/ul#	98
27) 2,4-Dichlorophenol	10.63	162	81356	24.96	ng/ul#	99
28) Naphthalene	11.03	128	272717	19.96	ng/ul	38
30) 4-Chloroaniline	11.14	127	98058	28.10	ng/ul	65
31) Hexachlorobutadiene	11.31	225	44043	20.01	ng/ul	97
32) Caprolactam	11.89	113	30243	21.94	ng/ul#	
33) 4-Chloro-3-methylphenol	12.25	107	78627	23.86	ng/ul#	
34) 2-Methylnaphthalene	12.63	142	204585	20.34	ng/ul	