

Quantitation Report (QT Reviewed)

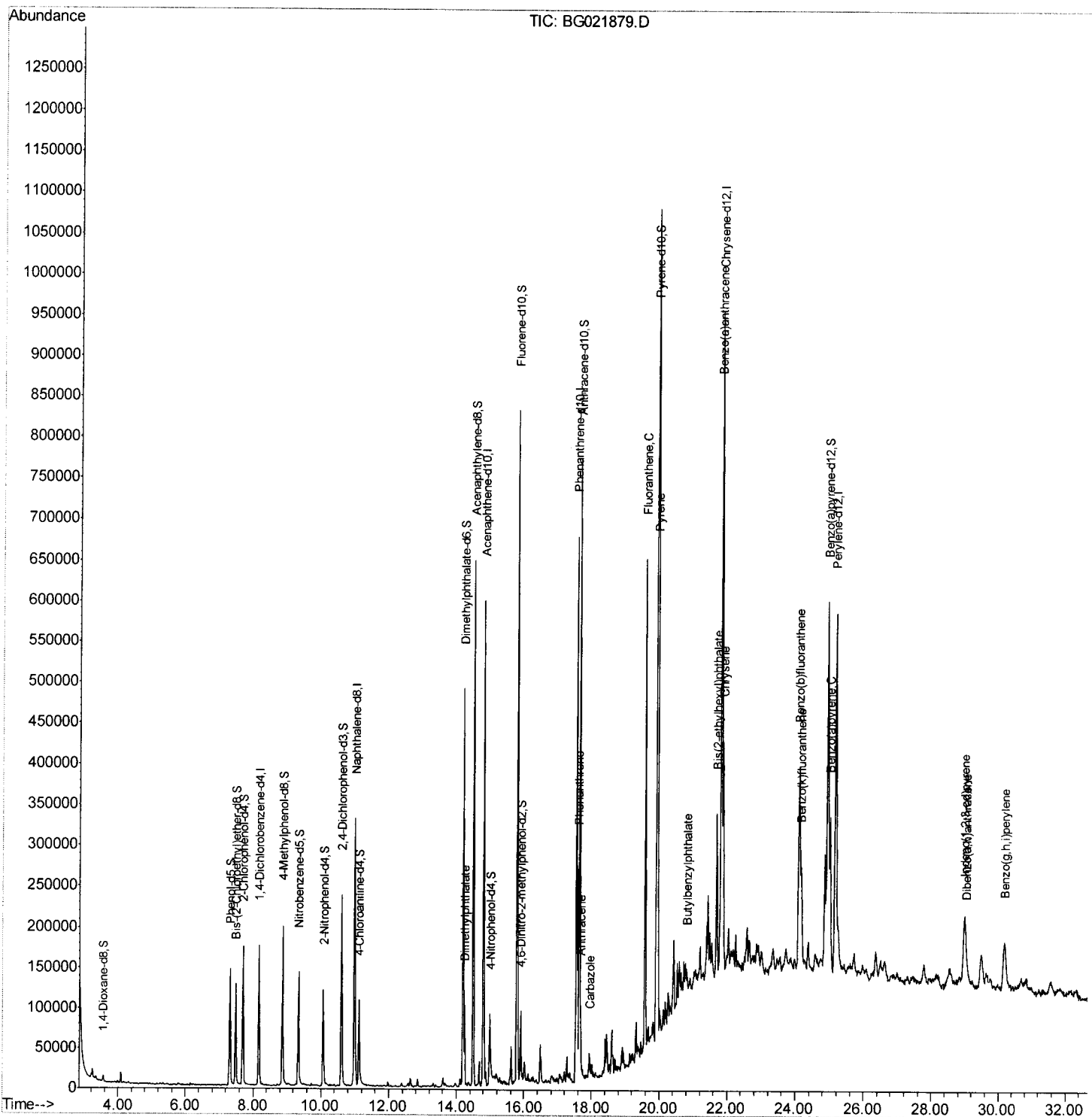
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021879.D
 Acq On : 12 May 2016 21:56
 Operator : UM/SJ
 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

Manual Integrations
 APPROVED

sohil
 5/13/2016 8:13:00 PM

Quant Time: May 13 07:51:50 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)

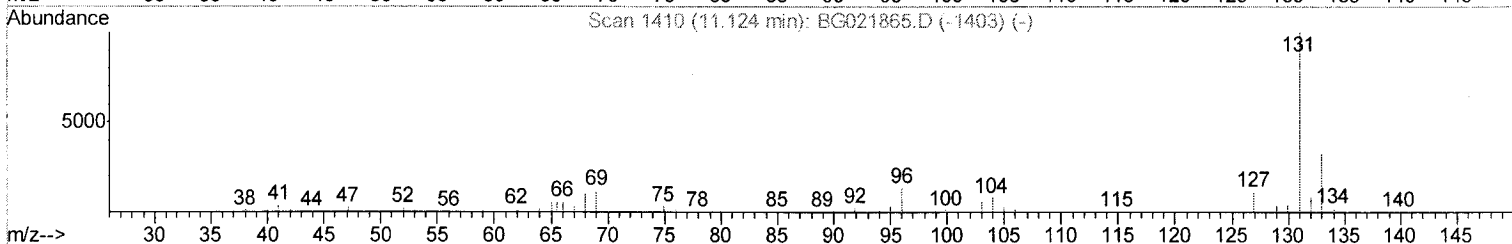
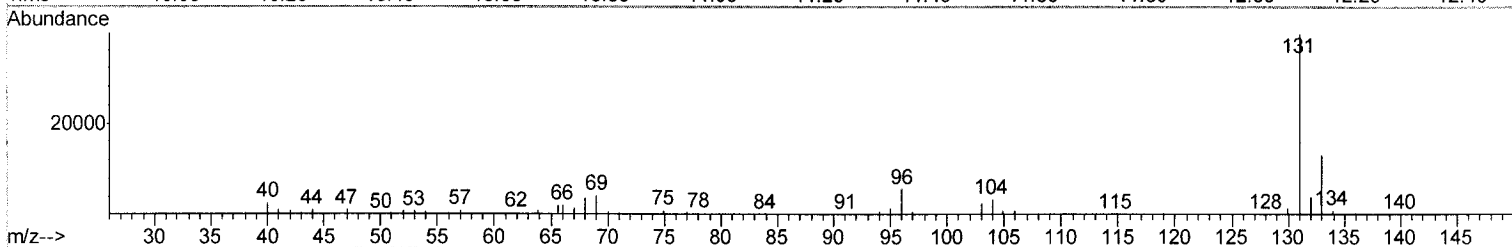
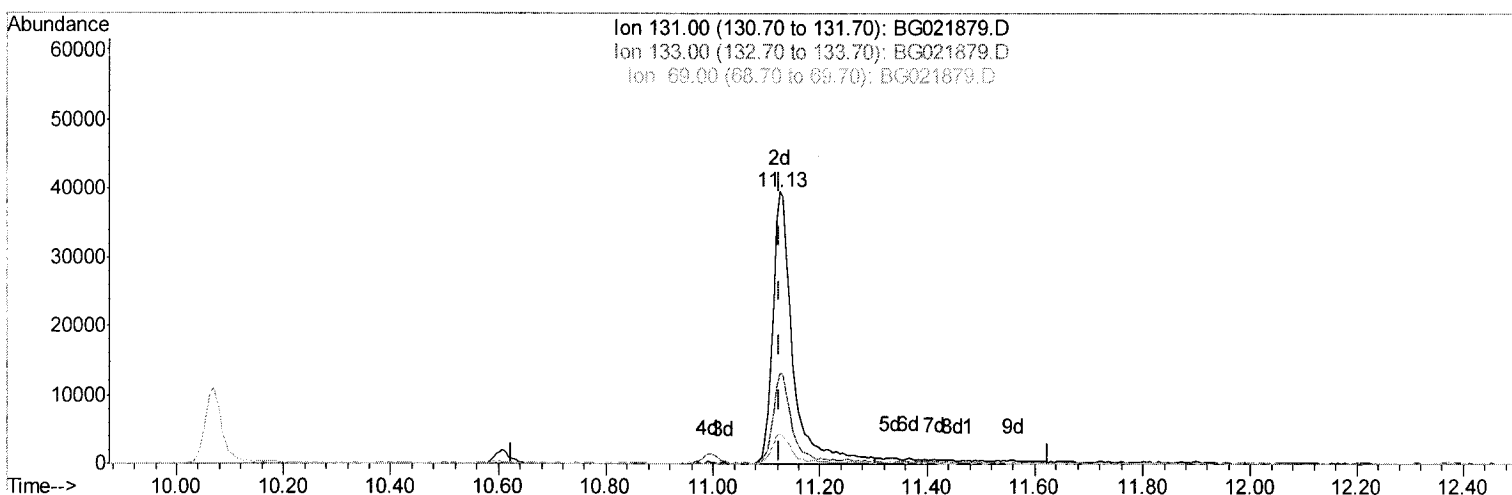
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
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 5/13/2016 8:13:00 PM

Quant Time: May 13 05:02:40 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
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TIC: BG021879.D

(29) 4-Chloroaniline-d4 (S)

11.125min (+0.002) 21.54ng/ul m

response 103952

U.M.
 05/16/16

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	33.40
69.00	23.00	10.96#
0.00	0.00	0.00

Quantitation Report (Qedit)

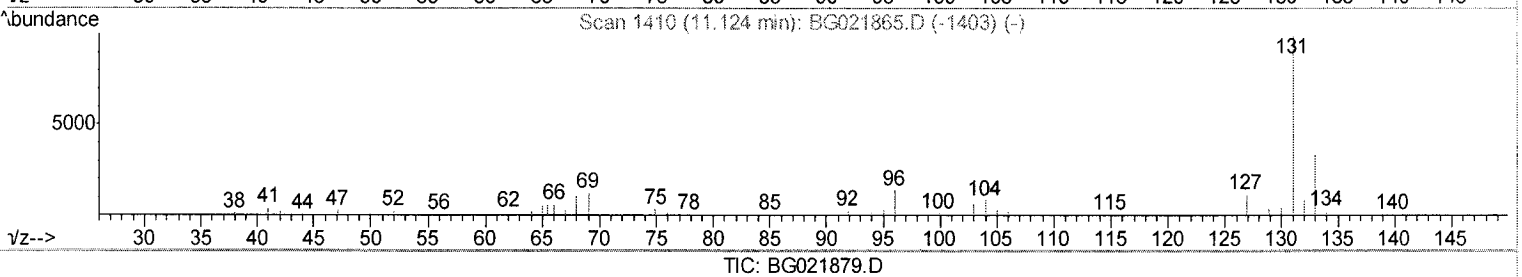
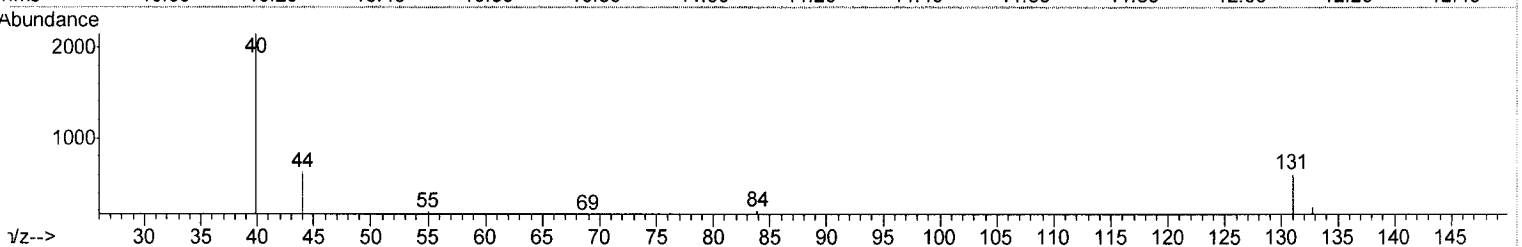
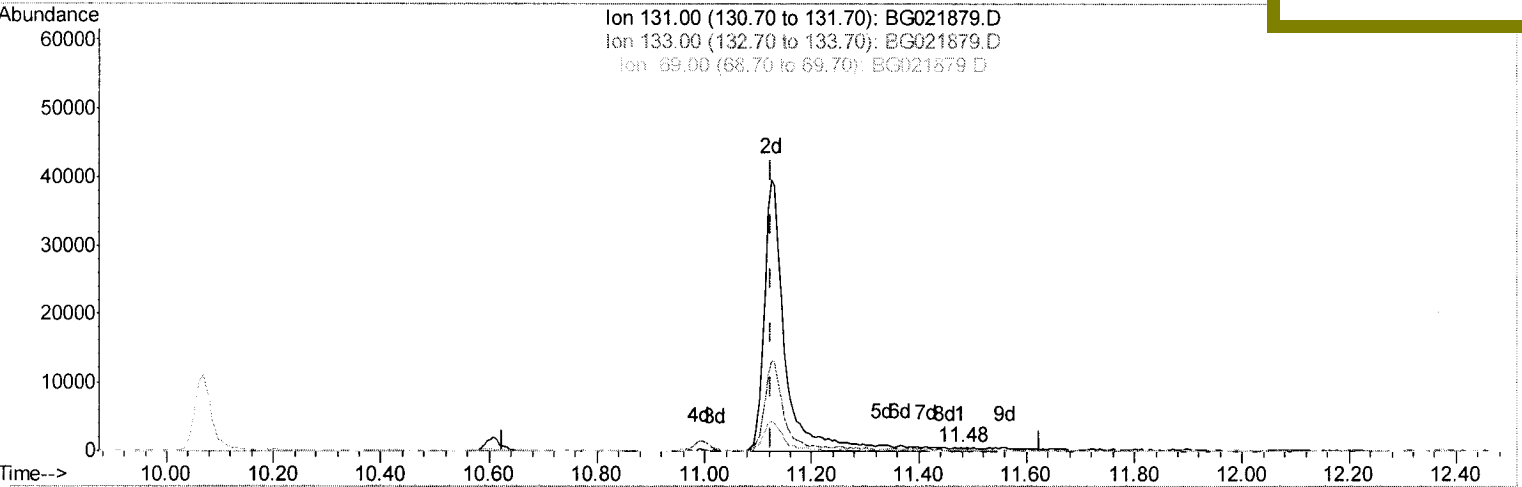
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(29) 4-Chloroaniline-d4 (S)

11.478min (+0.354) 0.04ng/ul

response 193

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	39.93
69.00	23.00	26.96
0.00	0.00	0.00

Quantitation Report (Qedit)

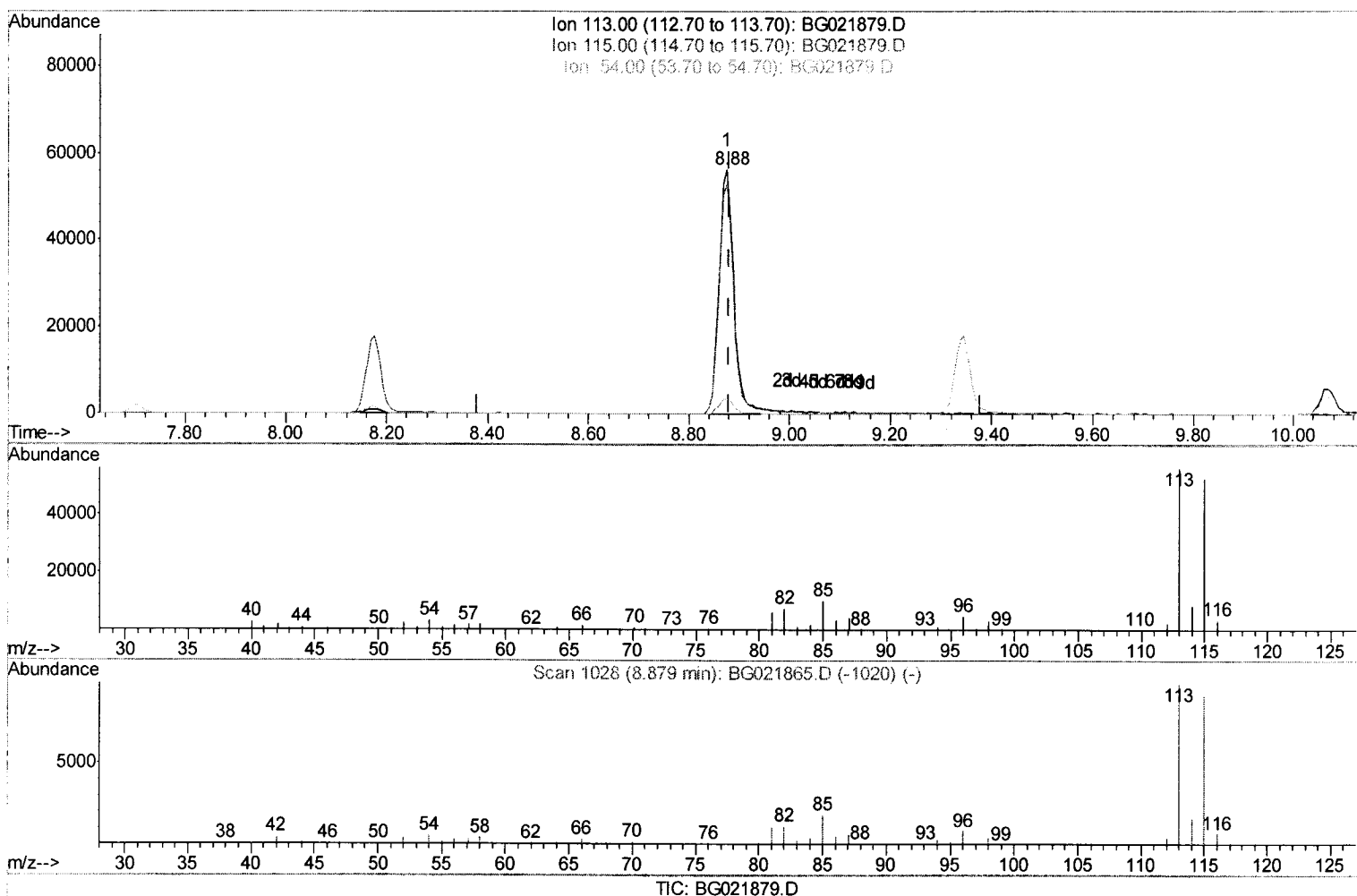
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(13) 4-Methylphenol-d8 (S)

8.875min (-0.004) 26.26ng/ul m

response 113853

Ion	Exp%	Act%
113.00	100	100
115.00	93.40	94.08
54.00	18.70	5.77#
0.00	0.00	0.00

U.M.
 05/16/16

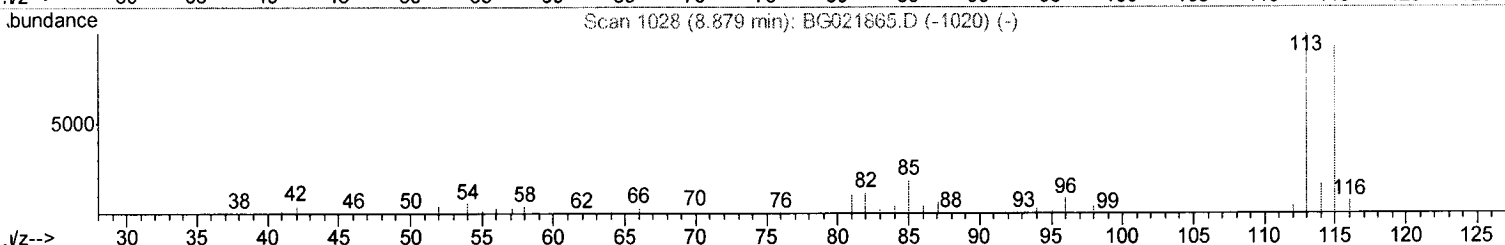
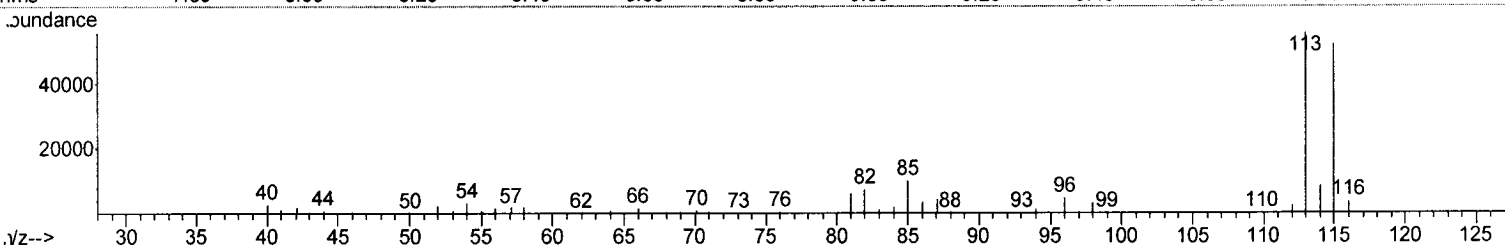
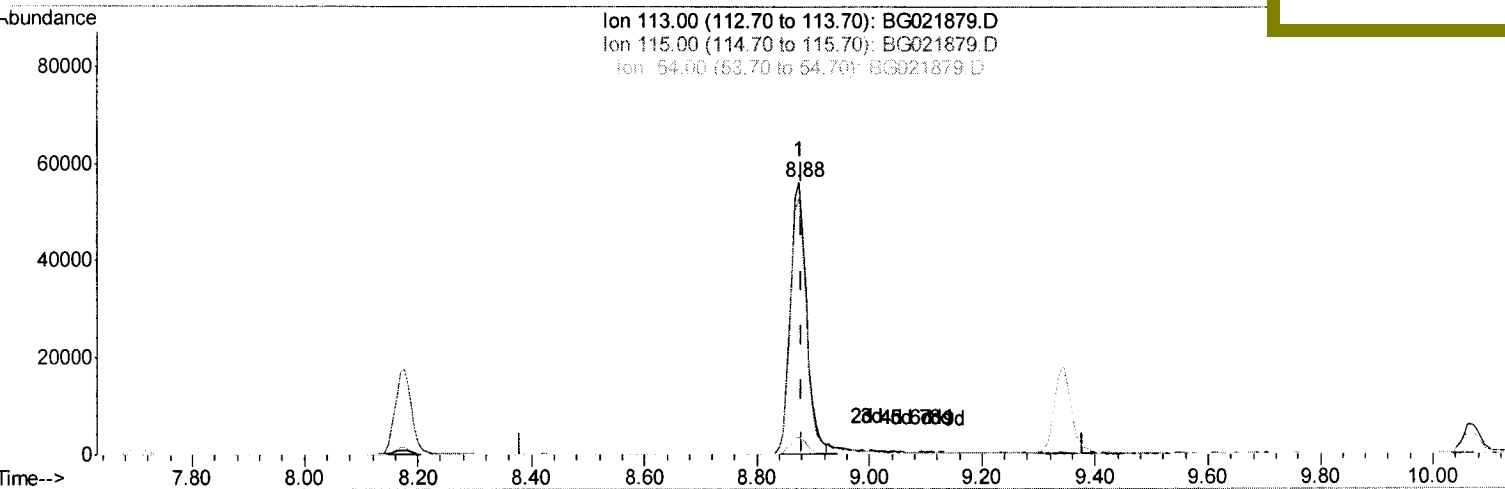
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TIC: BG021879.D

(13) 4-Methylphenol-d8 (S)

8.875min (-0.004) 25.38ng/ul

response 110036

Ion	Exp%	Act%
113.00	100	100
115.00	93.40	94.08
54.00	18.70	5.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

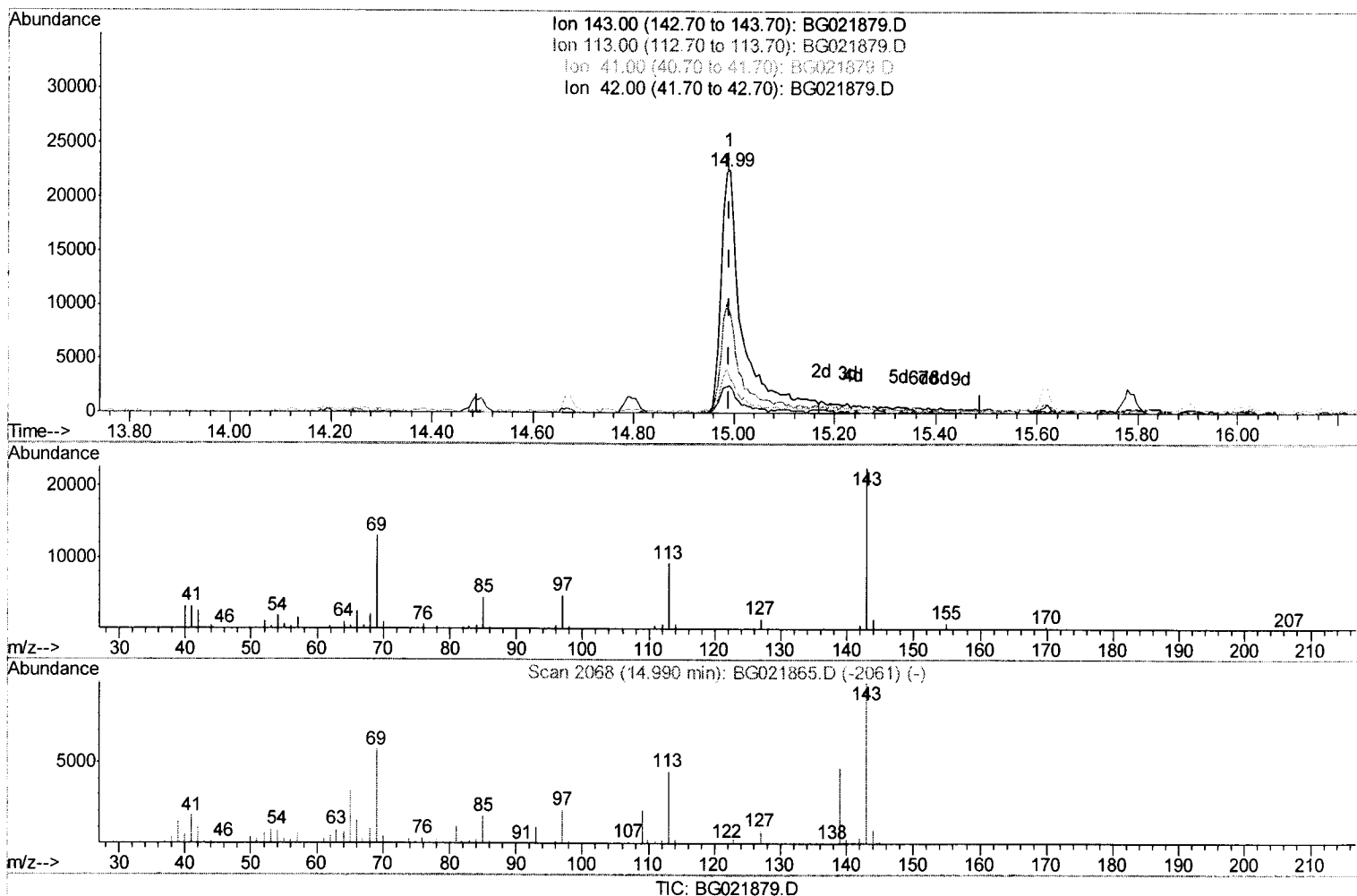
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(52) 4-Nitrophenol-d4 (S)

14.991min (+0.002) 24.16ng/ul m

response 67831

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	41.21#
41.00	49.70	14.38#
42.00	33.70	11.54#

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 05/16/16

Quantitation Report (Qedit)

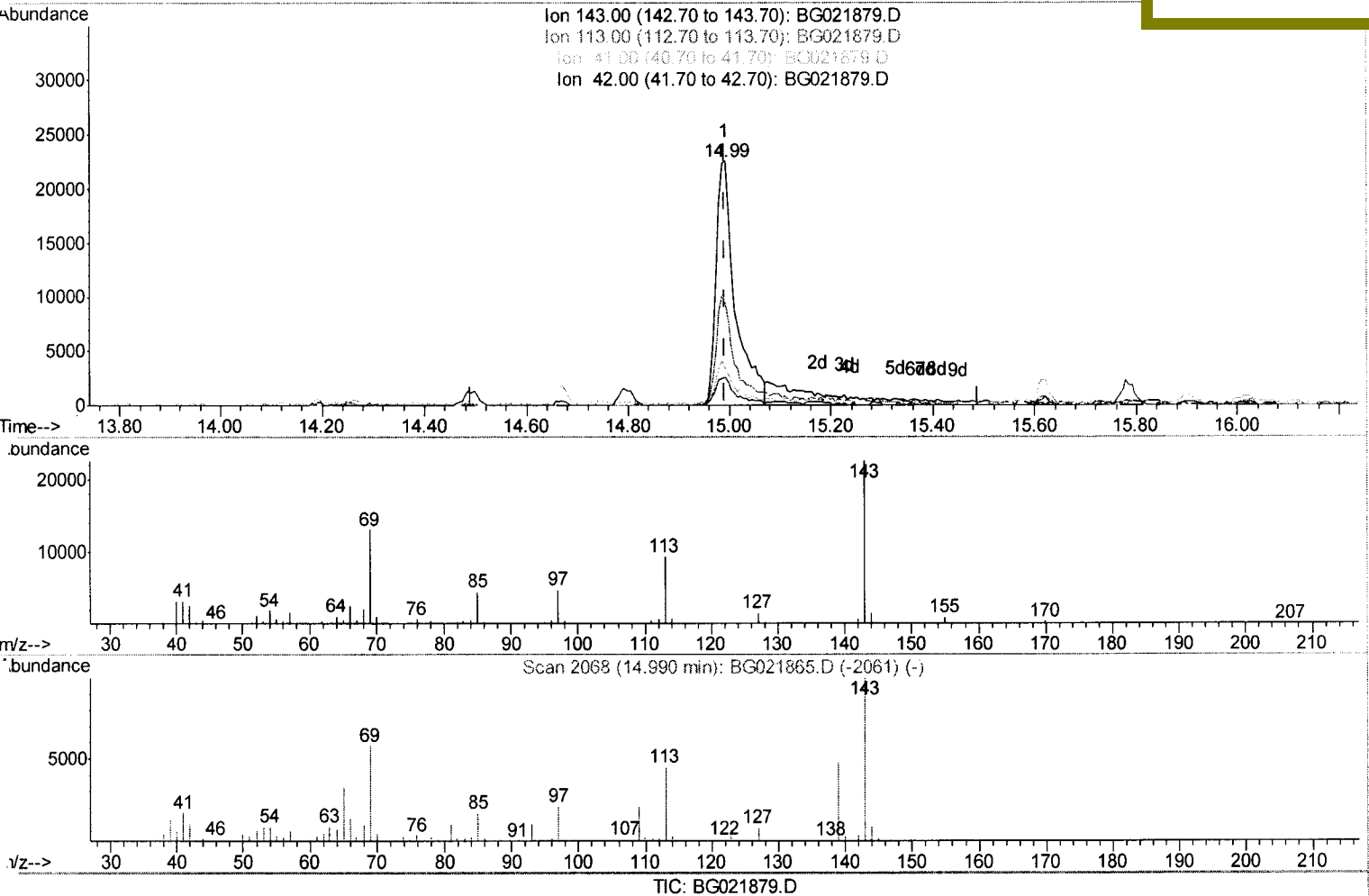
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 Data File : BG021879.D
 Acq On : 12 May 2016 21:56
 Operator : UM/SJ
 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 D9WK6

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

14.991min (+0.002) 20.91ng/ul

response 58695

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	41.21#
41.00	49.70	14.38#
42.00	33.70	11.54#

Quantitation Report (Qedit)

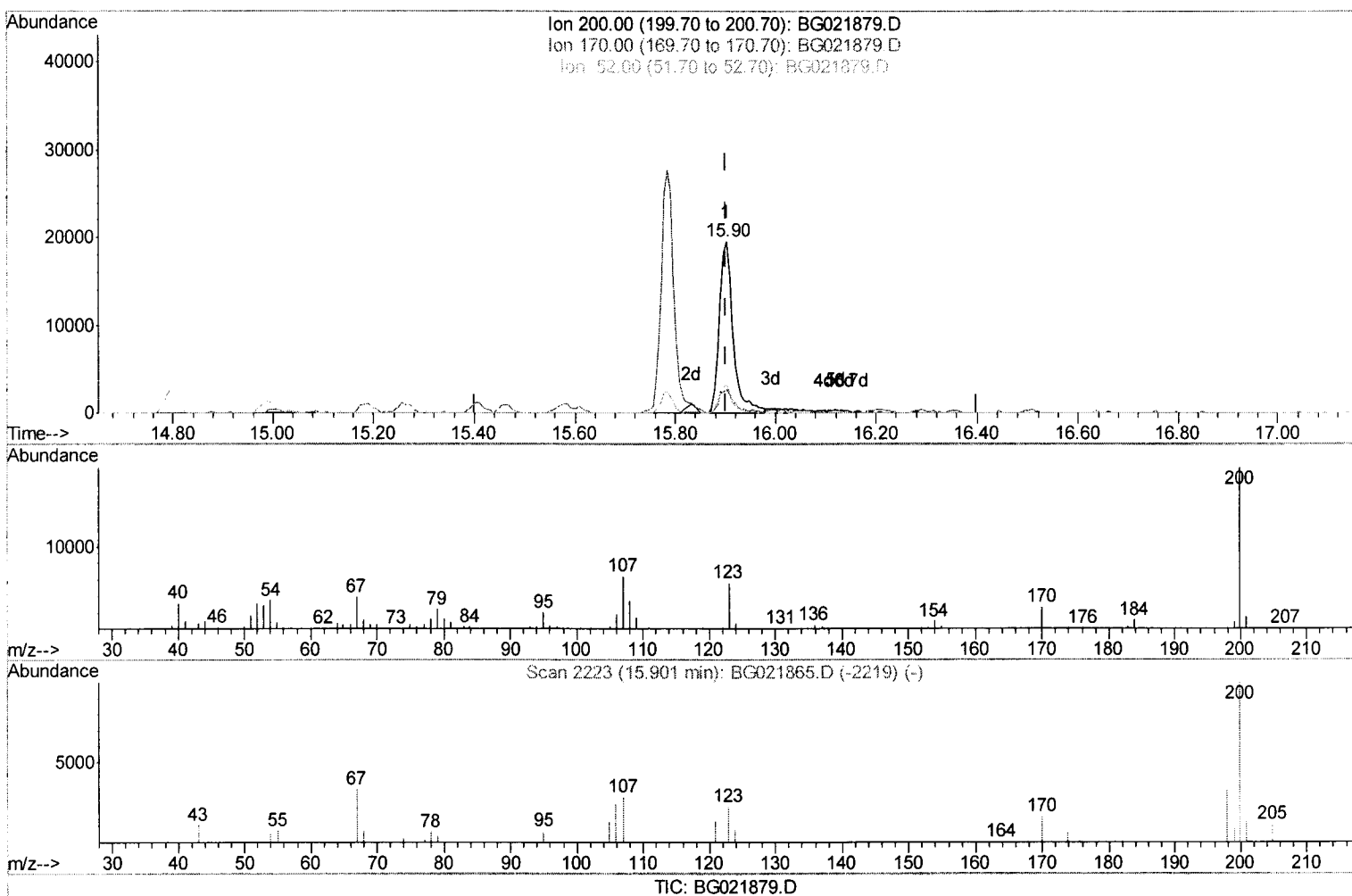
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021879.D
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 Sample : H2936-17
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 ALS Vial : 15 Sample Multiplier: 1

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

15.902min (+0.002) 27.60ng/ul m

response 36505

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	13.85#
52.00	53.20	16.13#
0.00	0.00	0.00

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Quantitation Report (Qedit)

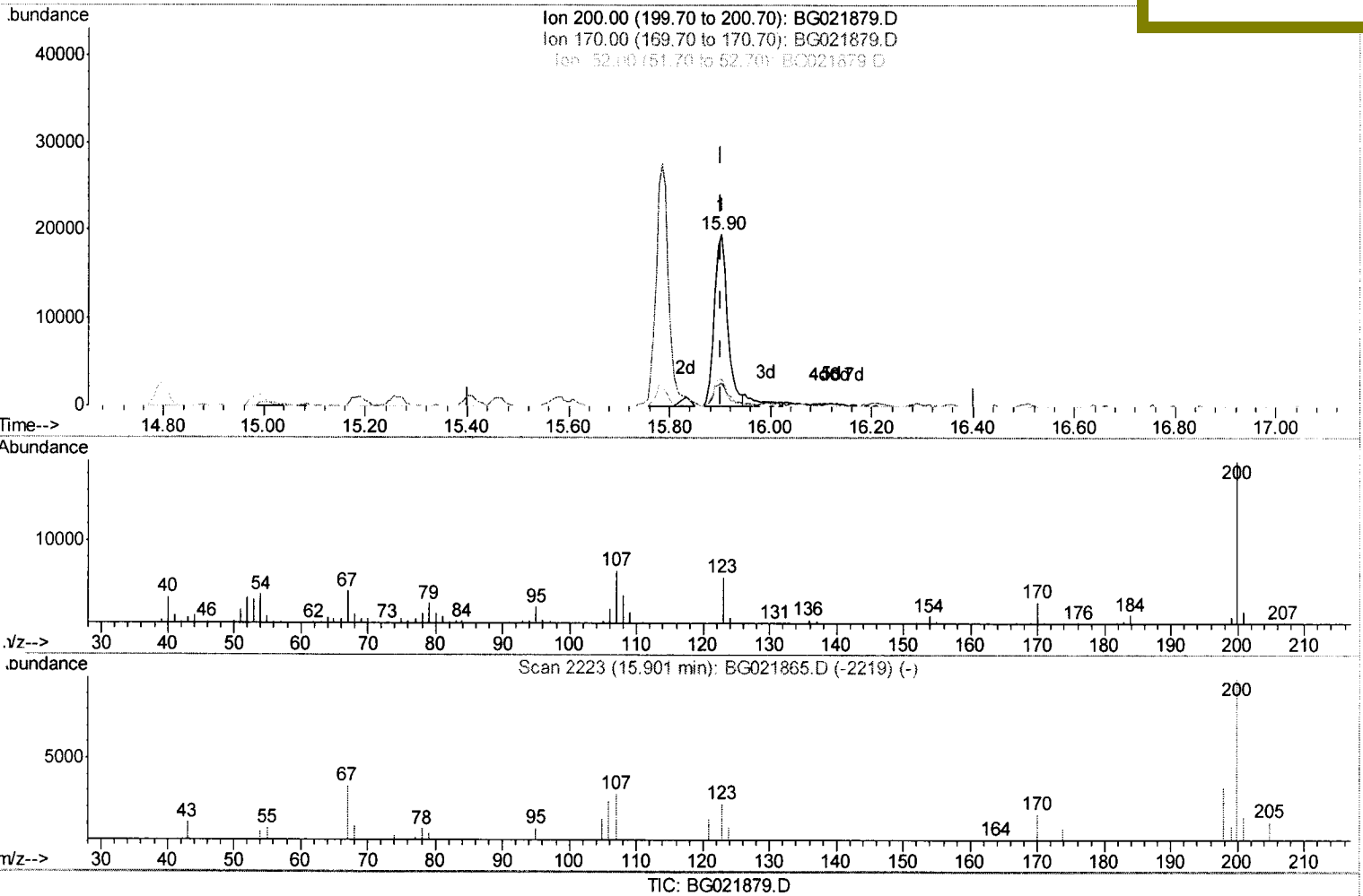
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 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

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Manual Integrations
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(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.902min (+0.002) 26.47ng/ul

response 35017

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	13.85#
52.00	53.20	16.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

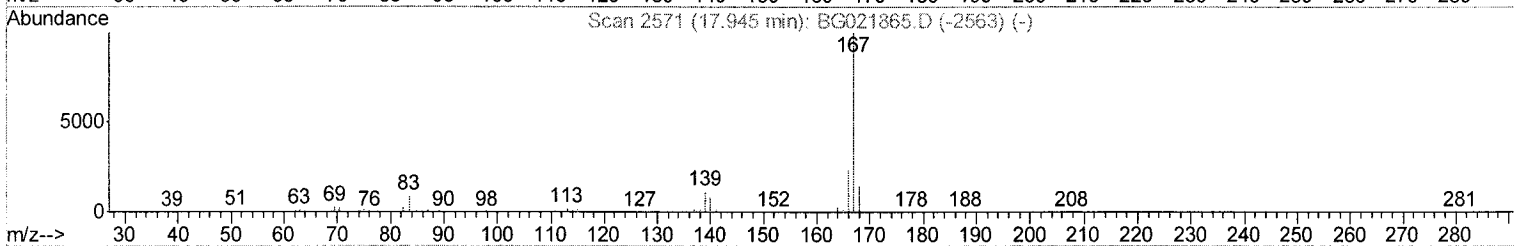
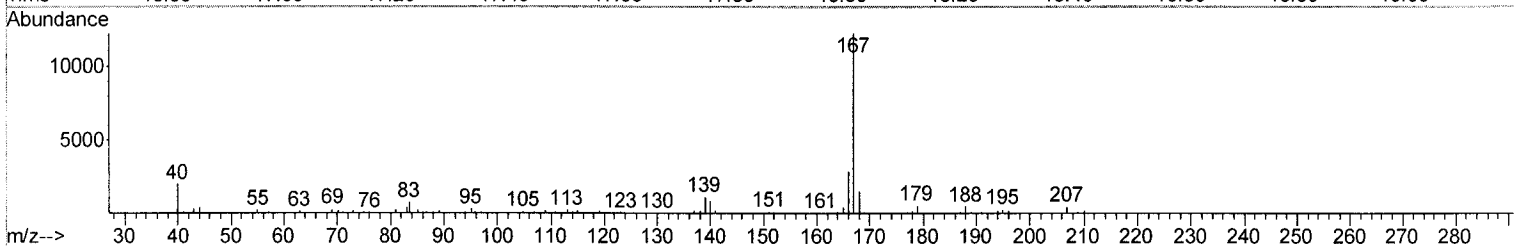
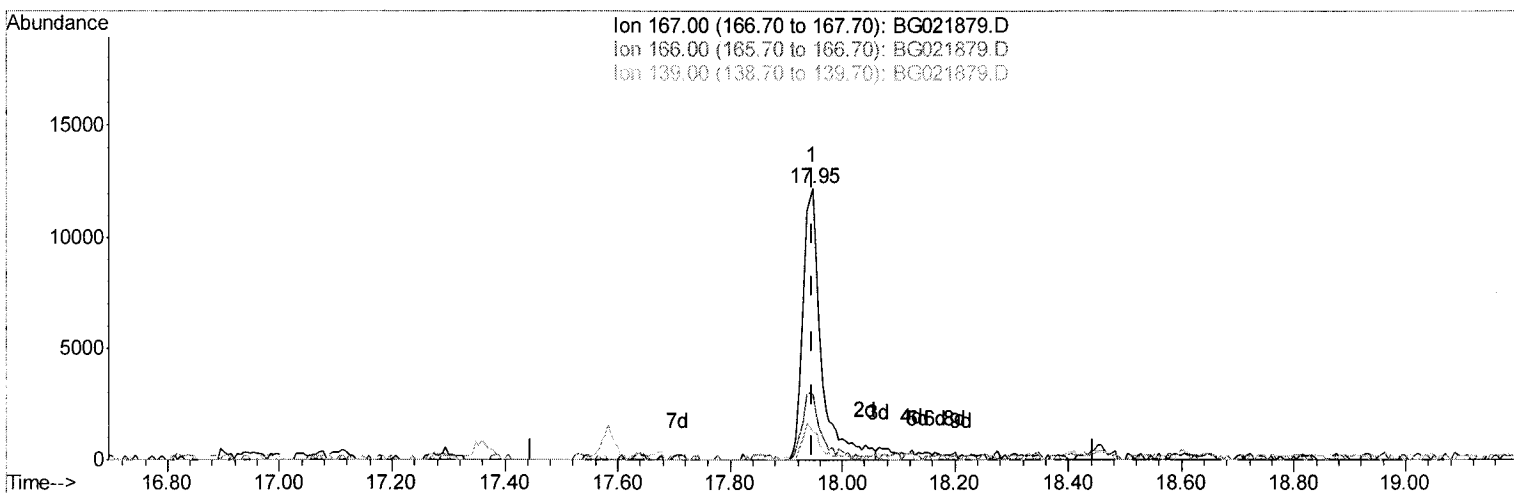
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 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

Manual Integrations
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TIC: BG021879.D

(73) Carbazole

17.947min (+0.002) 1.21ng/ul m

response 27837

> $\frac{U.M.}{05116116}$

Ion	Exp%	Act%
167.00	100	100
166.00	23.70	23.98
139.00	15.30	10.13#
0.00	0.00	0.00

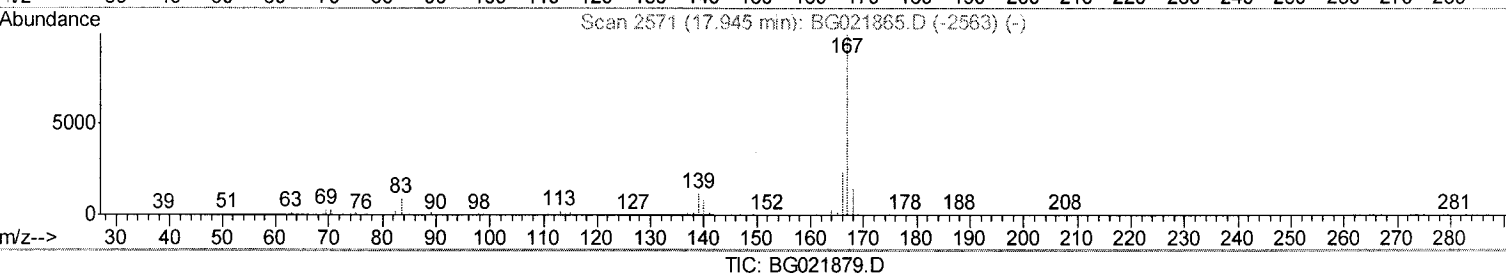
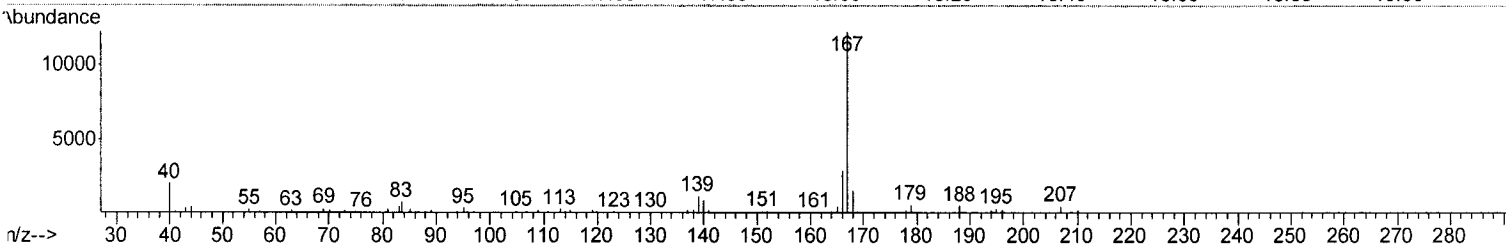
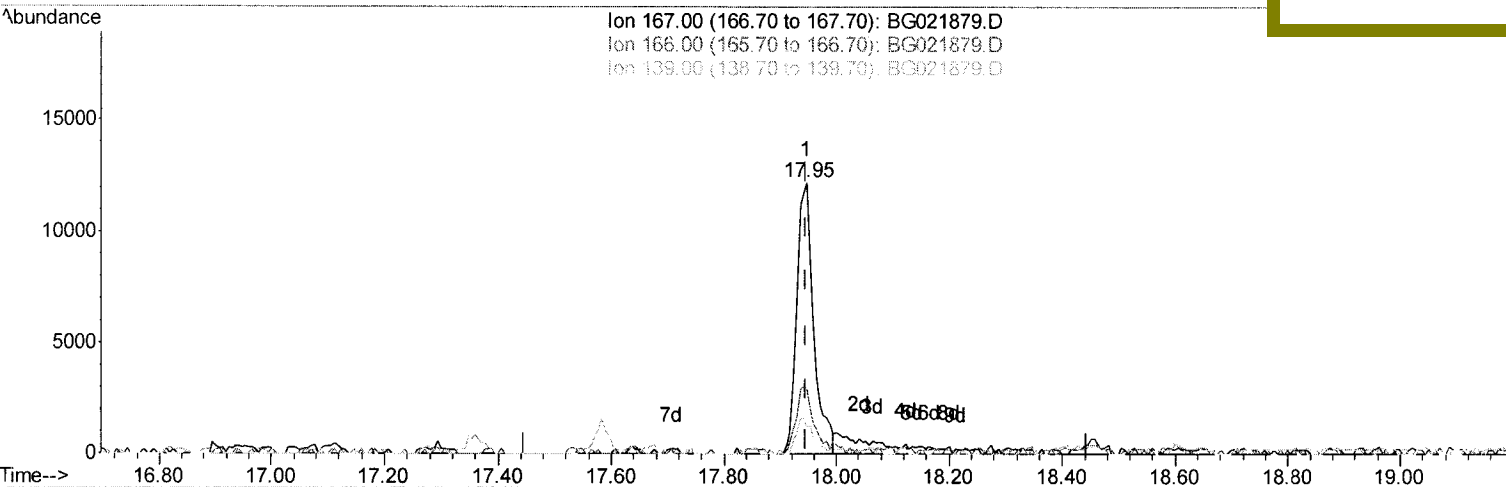
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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sohil
5/13/2016 8:13:00 PM



(73) Carbazole

17.947min (+0.002) 1.10ng/ul

response 25350

Ion	Exp%	Act%
167.00	100	100
166.00	23.70	23.98
139.00	15.30	10.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

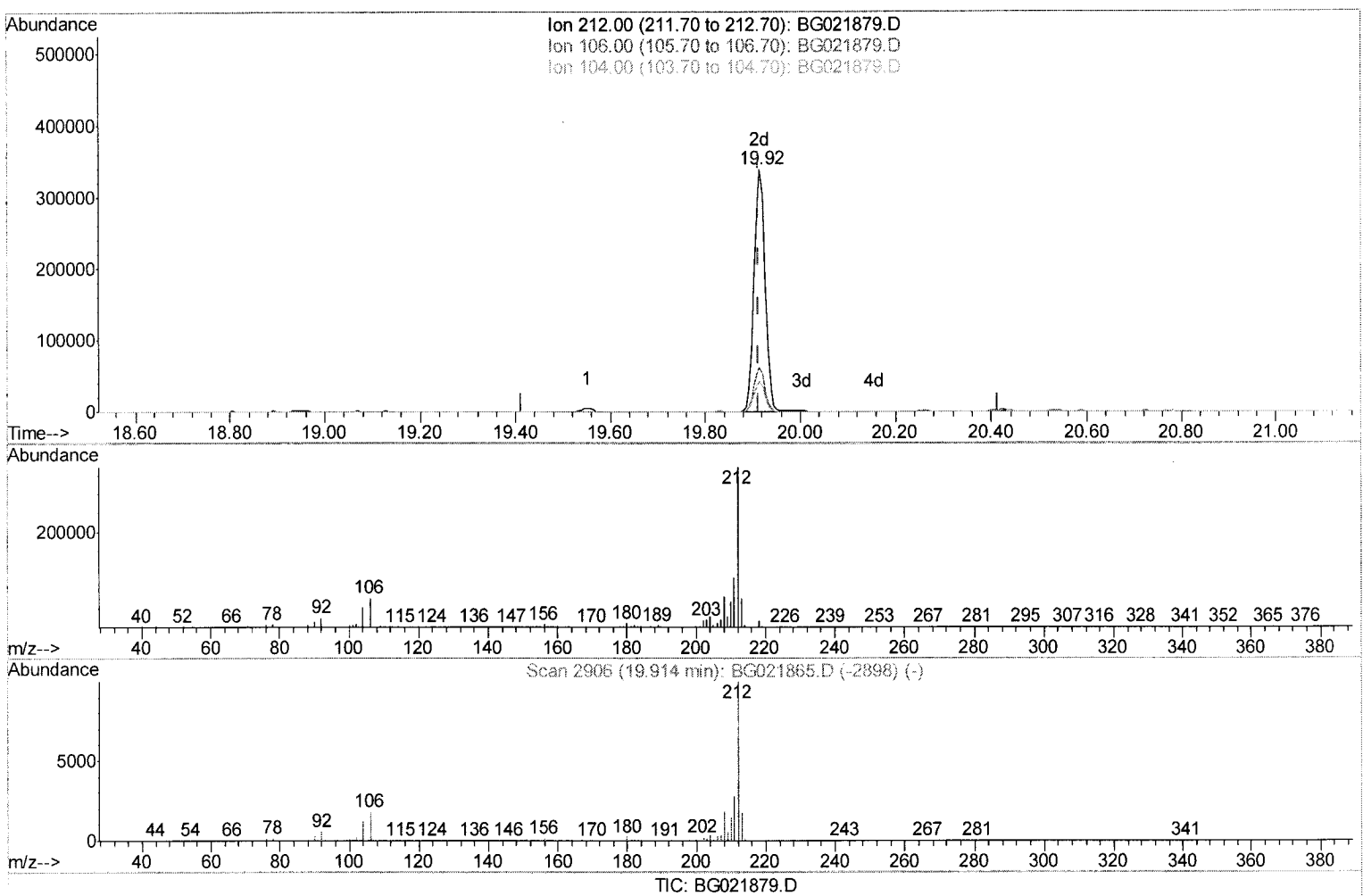
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Instrument :
 BNA_G
 ClientSampled :
 D9WK6

Manual Integrations
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(77) Pyrene-d10 (S)

19.915min (+0.002) 25.06ng/ul m

response 548382

> U.M.
 05/16/16

Ion	Exp%	Act%
212.00	100	100
106.00	15.30	17.99
104.00	9.40	12.56#
0.00	0.00	0.00

Quantitation Report (Qedit)

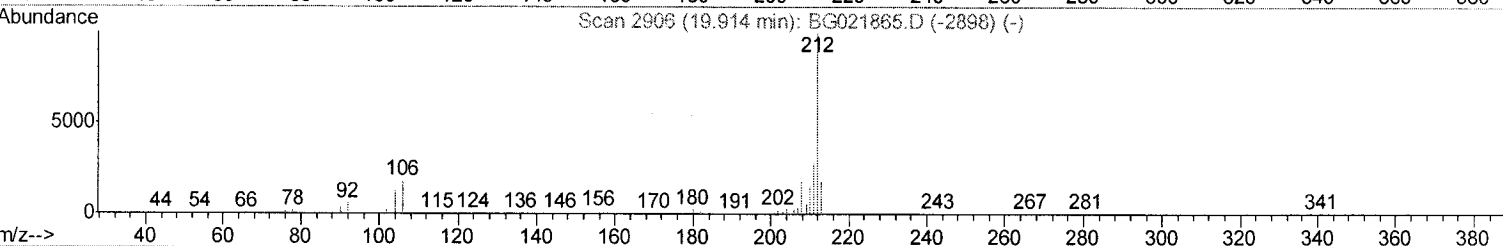
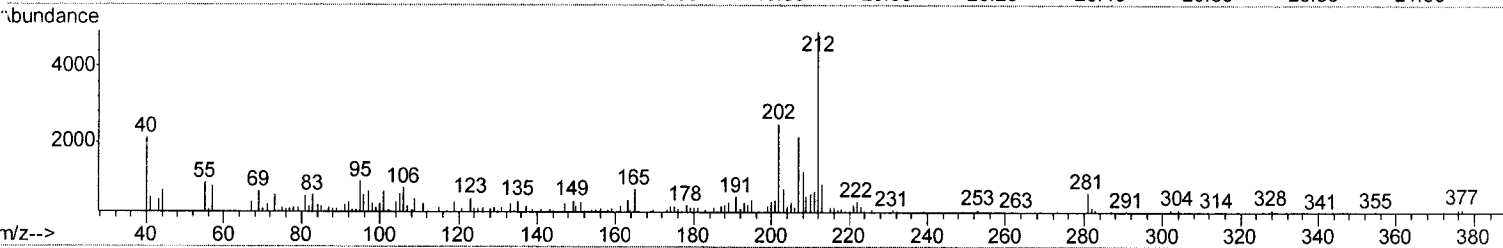
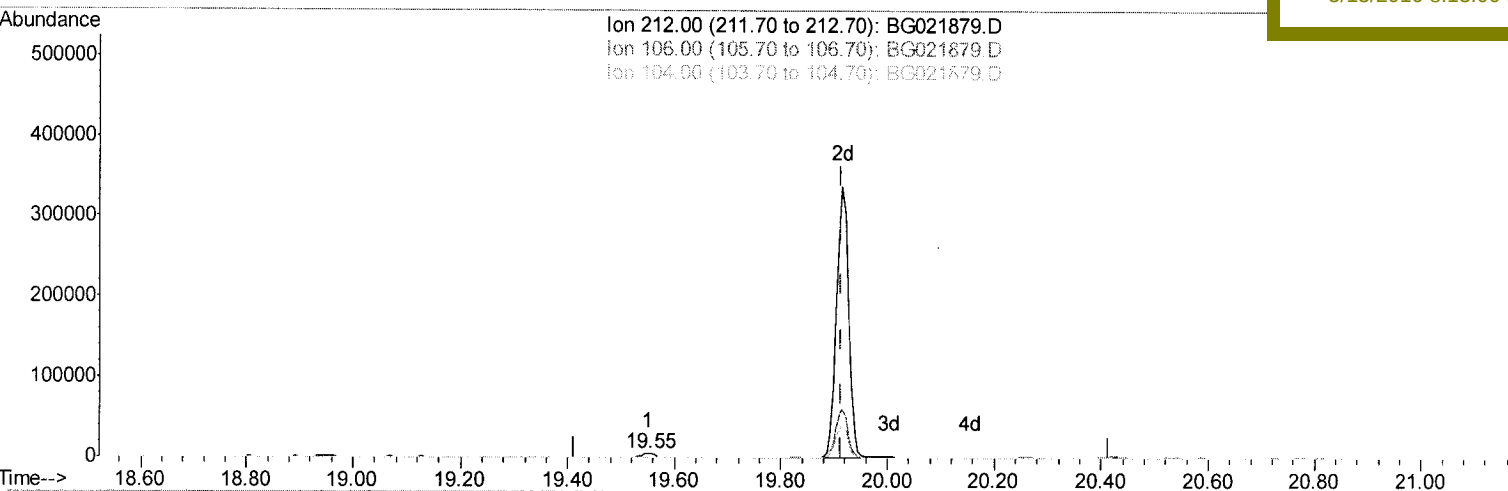
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 5/13/2016 8:13:00 PM



TIC: BG021879.D

(77) Pyrene-d10 (S)

19.551min (-0.363) 0.32ng/ul

response 6918

Ion	Exp%	Act%
212.00	100	100
106.00	15.30	16.23
104.00	9.40	8.46
0.00	0.00	0.00

Quantitation Report (Qedit)

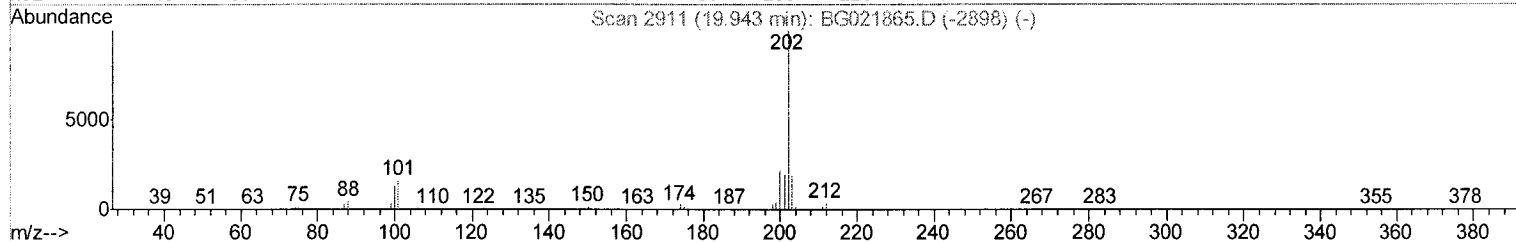
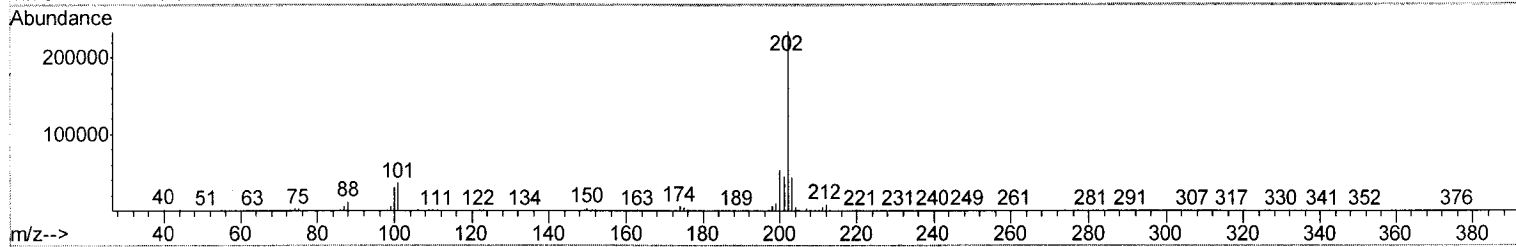
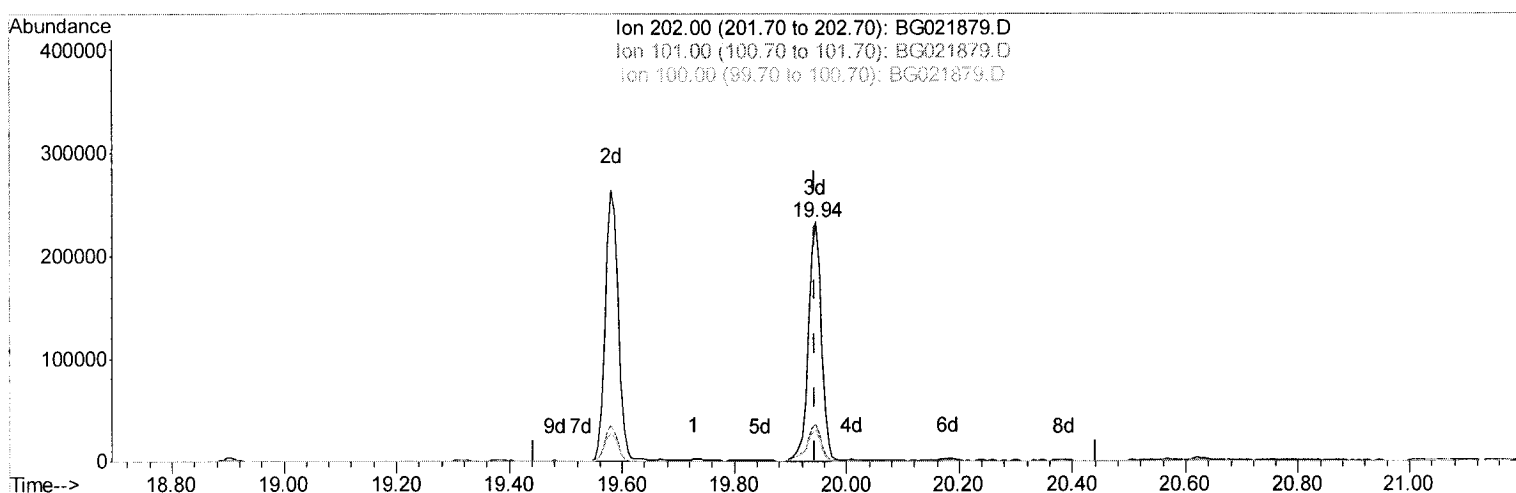
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TIC: BG021879.D

(78) Pyrene

19.945min (+0.002) 13.79ng/ul m

response 373024

U.M.
 05/16/16

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	15.56#
100.00	11.60	12.79
0.00	0.00	0.00

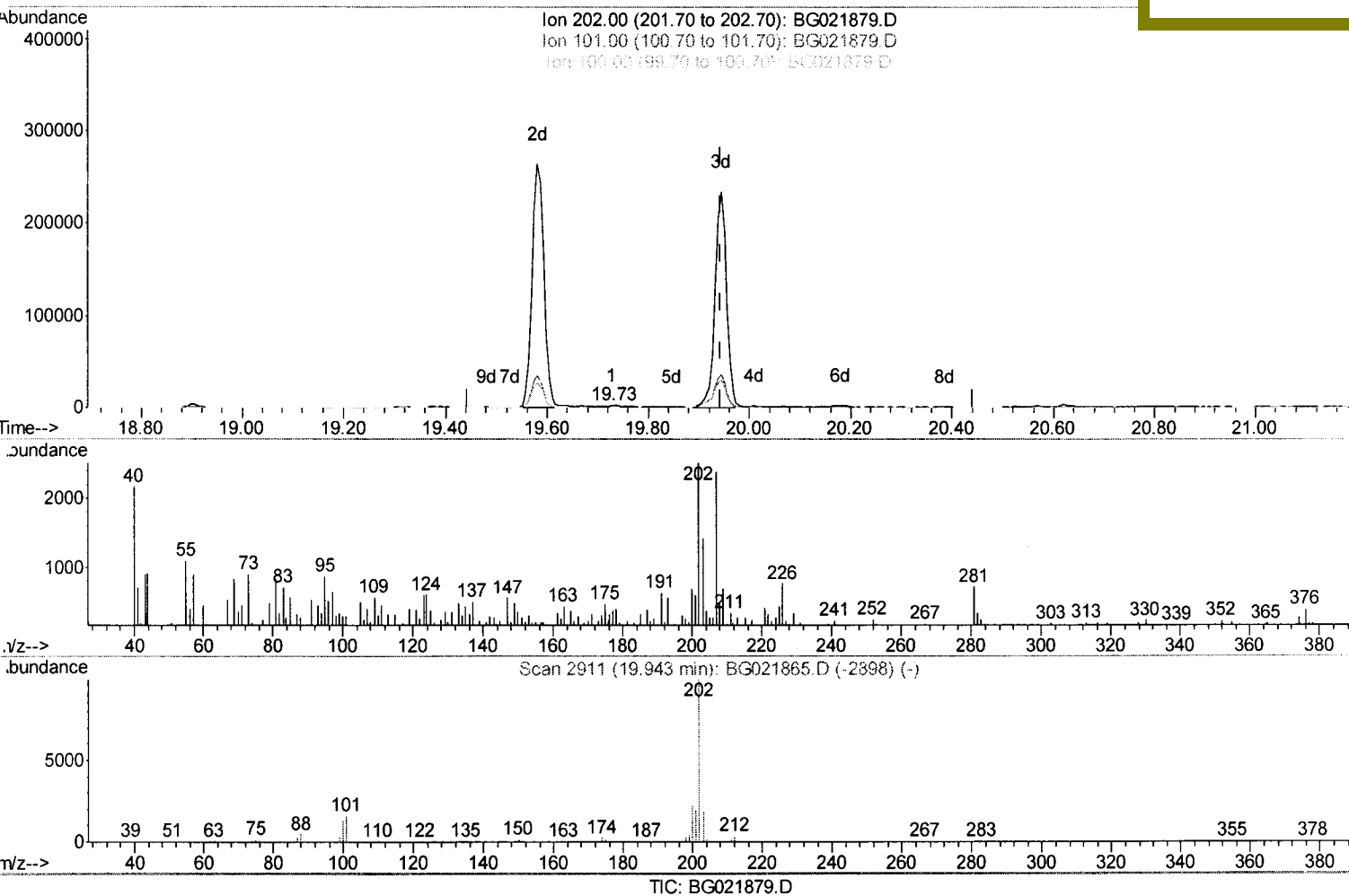
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(78) Pyrene

19.727min (-0.216) 0.12ng/ul

response 3299

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	11.47
100.00	11.60	11.27
0.00	0.00	0.00

Quantitation Report (Qedit)

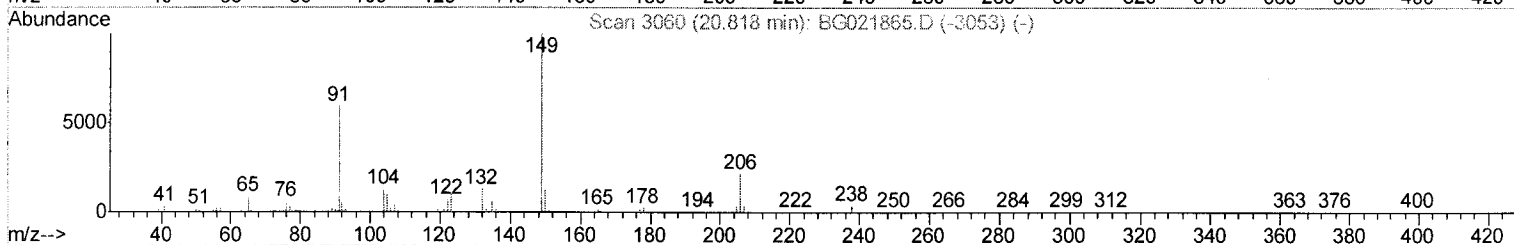
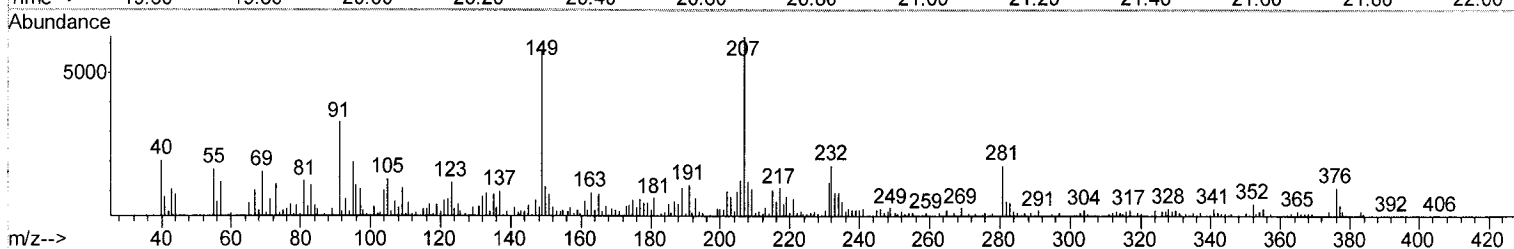
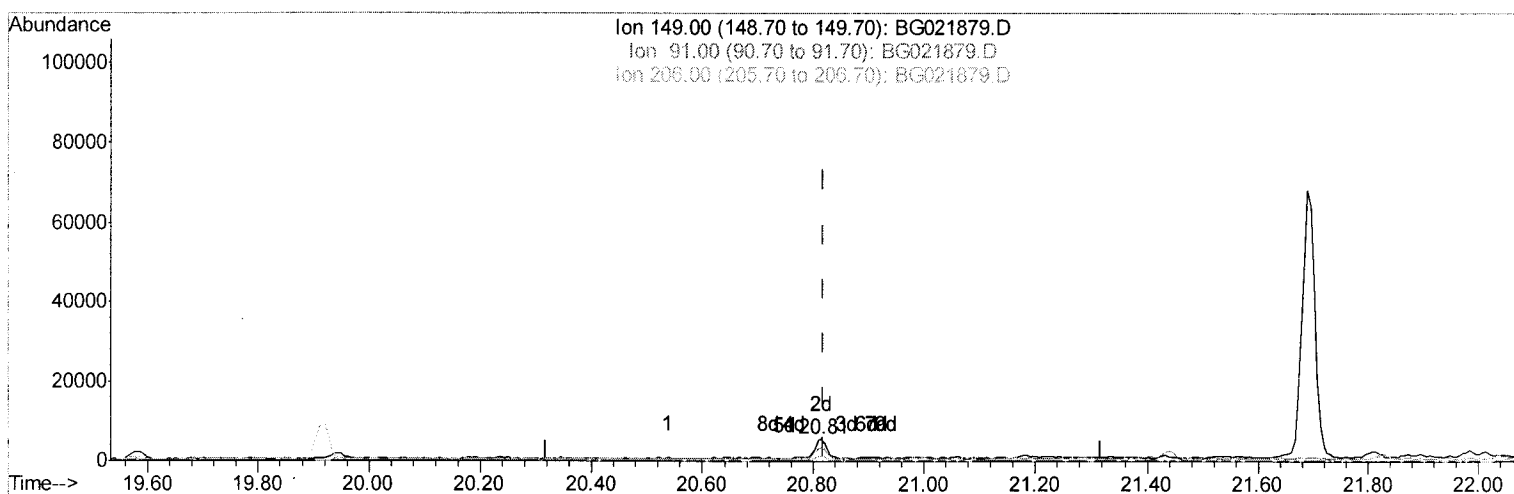
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TIC: BG021879.D

(79) Butylbenzylphthalate

20.814min (-0.004) 1.68ng/ul m

response 10038

Ion	Exp%	Act%
149.00	100	100
91.00	82.30	57.83#
206.00	19.40	23.66#
0.00	0.00	0.00

> U.M.
 05116116

Quantitation Report (Qedit)

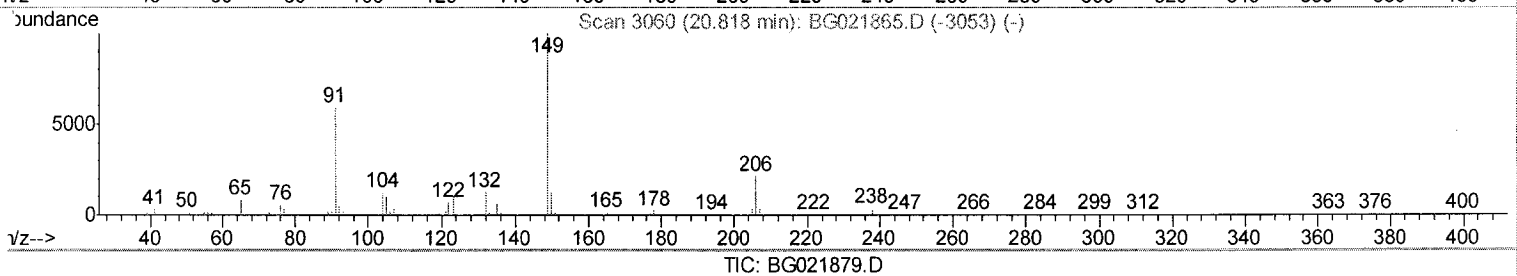
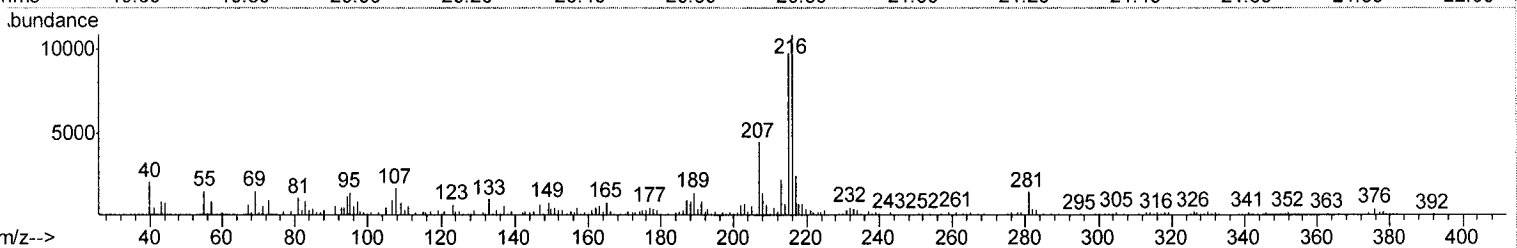
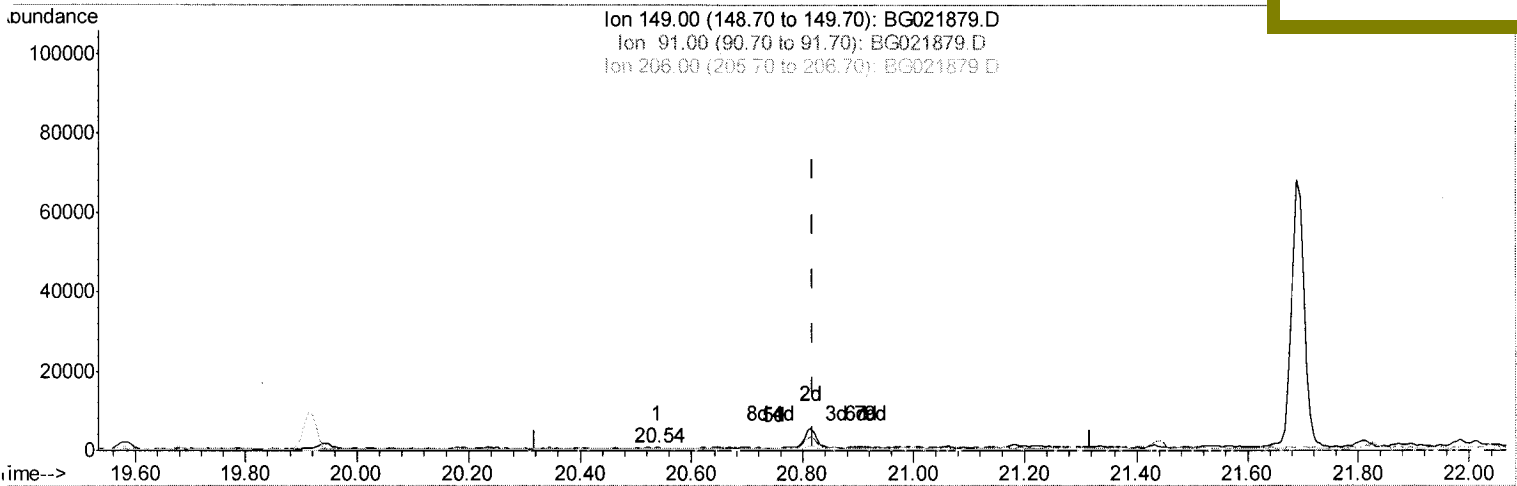
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021879.D
Acq On : 12 May 2016 21:56
Operator : UM/SJ
Sample : H2936-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WK6

Quant Time: May 13 07:49:43 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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(79) Butylbenzylphthalate

20.538min (-0.280) 0.04ng/ul

response 268

Ion	Exp%	Act%
149.00	100	100
91.00	82.30	71.09
206.00	19.40	23.21
0.00	0.00	0.00

Quantitation Report (Qedit)

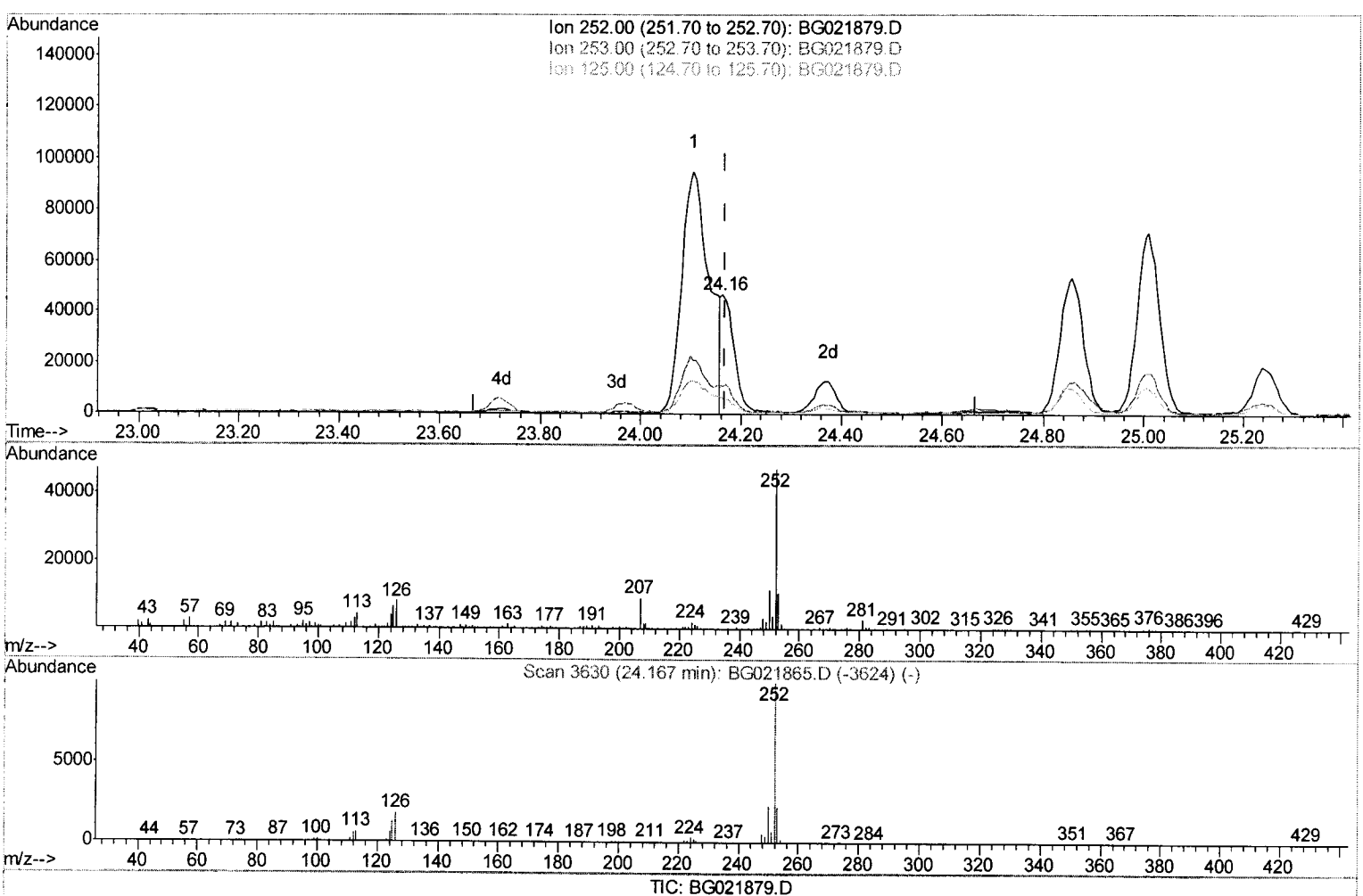
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021879.D
 Acq On : 12 May 2016 21:56
 Operator : UM/SJ
 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

Manual Integrations
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Quant Time: May 13 07:49:43 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



(87) Benzo(k)fluoranthene

24.163min (-0.004) 2.91ng/ul m

response 83915

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.63
125.00	9.60	13.77#
0.00	0.00	0.00

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Quantitation Report (Qedit)

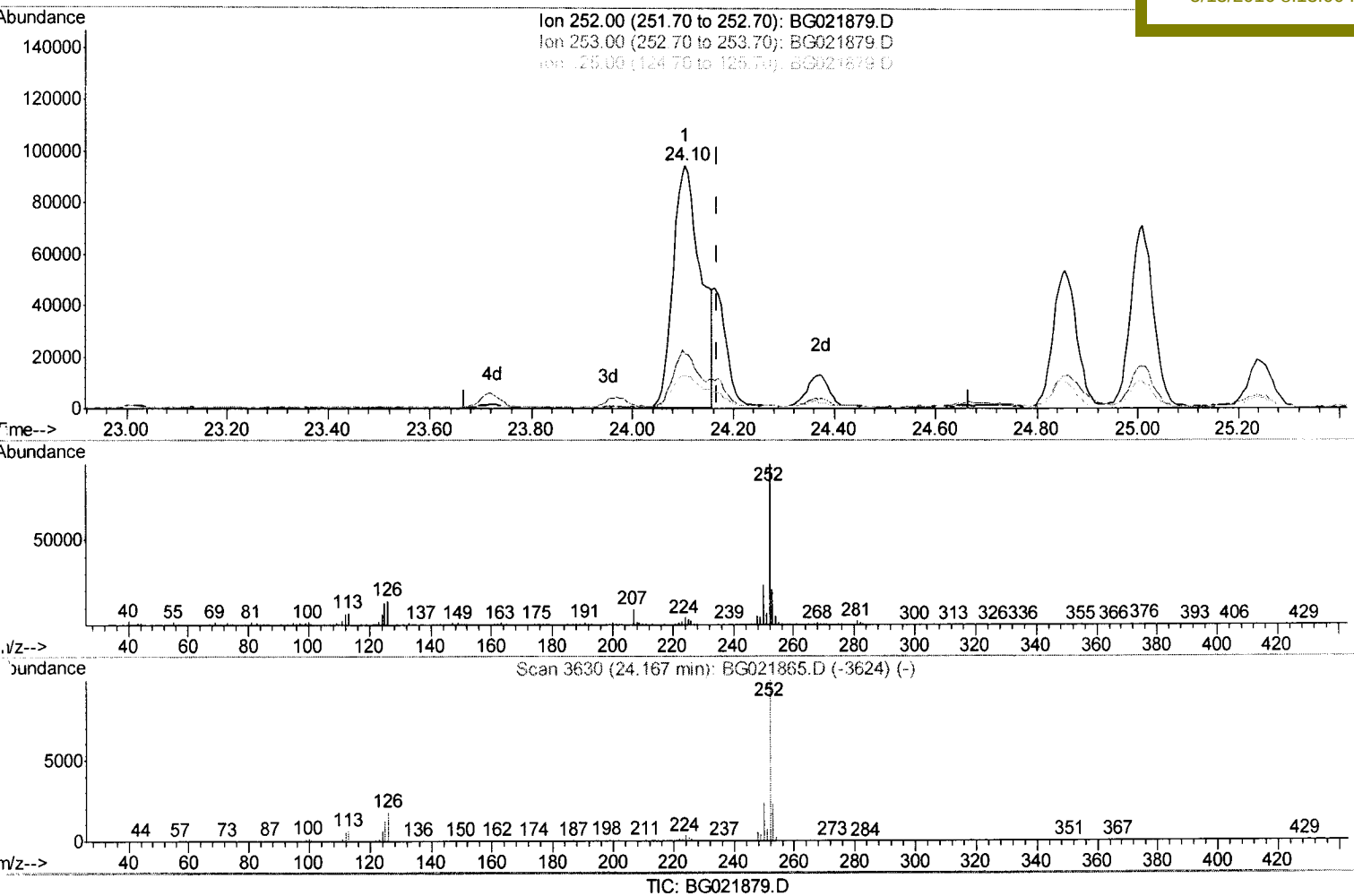
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021879.D
 Acq On : 12 May 2016 21:56
 Operator : UM/SJ
 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

Manual Integrations
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Quant Time: May 13 07:49:43 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



(87) Benzo(k)fluoranthene

24.104min (-0.063) 12.53ng/ul

response 361103

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	22.33
125.00	9.60	13.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

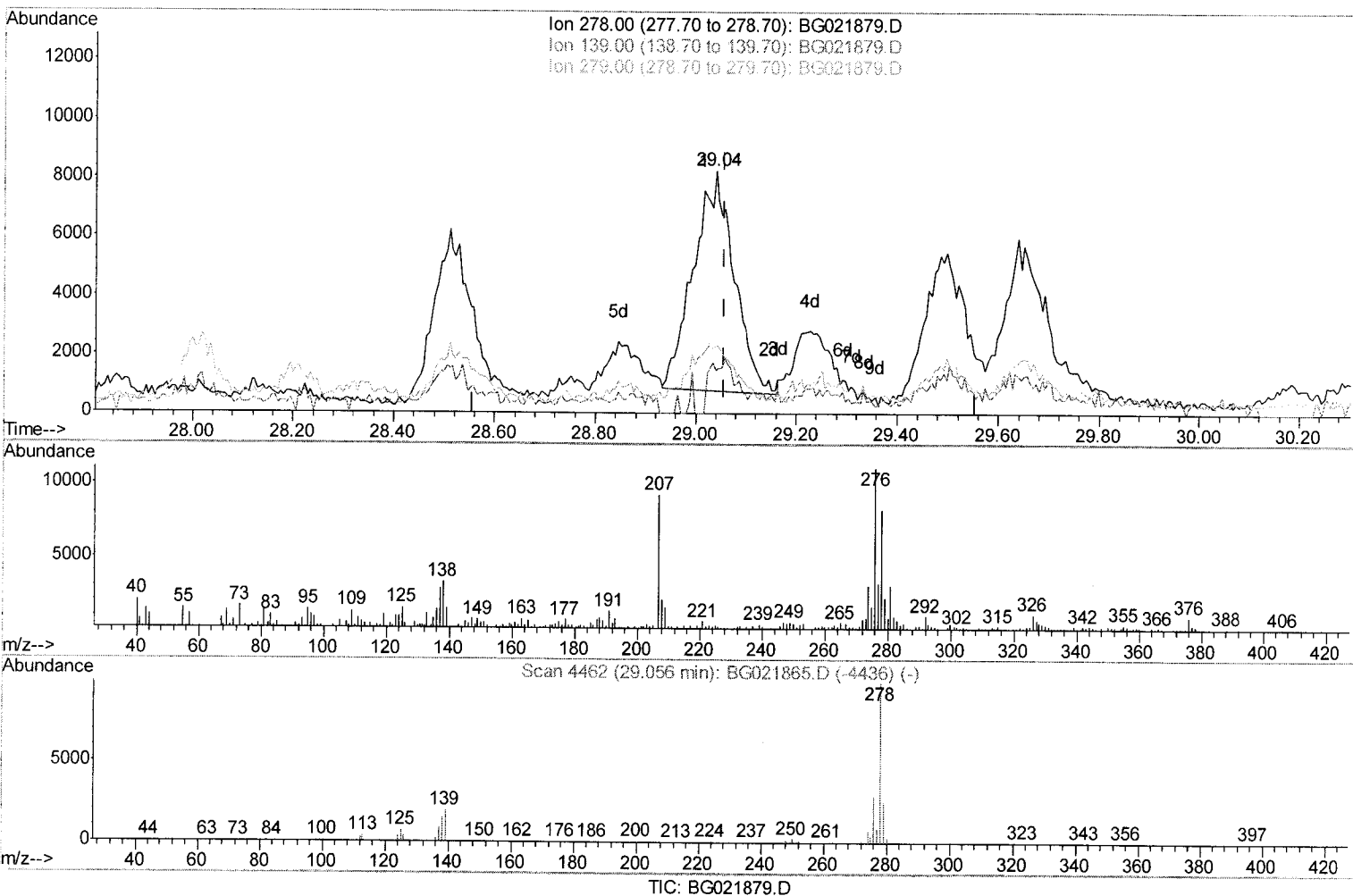
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021879.D
 Acq On : 12 May 2016 21:56
 Operator : UM/SJ
 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

Manual Integrations
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Quant Time: May 13 07:50:57 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



(91) Dibenzo(a,h)anthracene

29.040min (-0.016) 1.59ng/ul m

response 42043

Ion Exp% Act%

278.00 100 100

139.00 15.10 17.92

279.00 24.80 27.58

0.00 0.00 0.00

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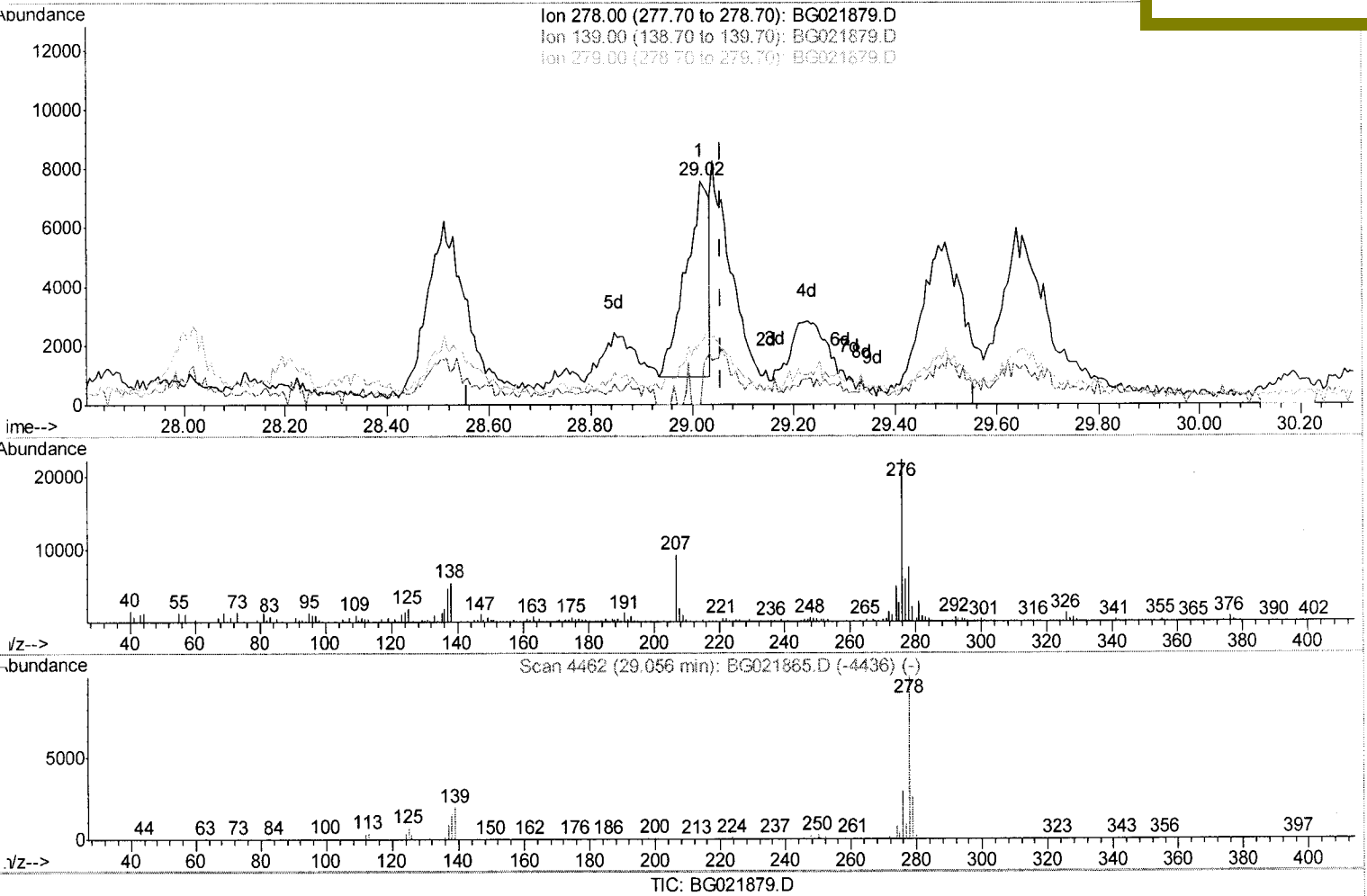
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021879.D
Acq On : 12 May 2016 21:56
Operator : UM/SJ
Sample : H2936-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WK6

Manual Integrations
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Quant Time: May 13 07:50:57 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



(91) Dibenzo(a,h)anthracene

29.016min (-0.040) 0.79ng/ul

response 20922

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	0.00#
279.00	24.80	27.87
0.00	0.00	0.00

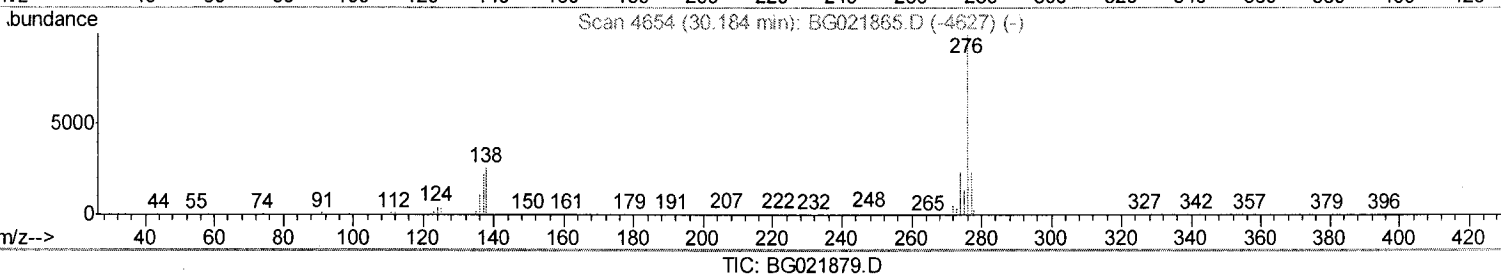
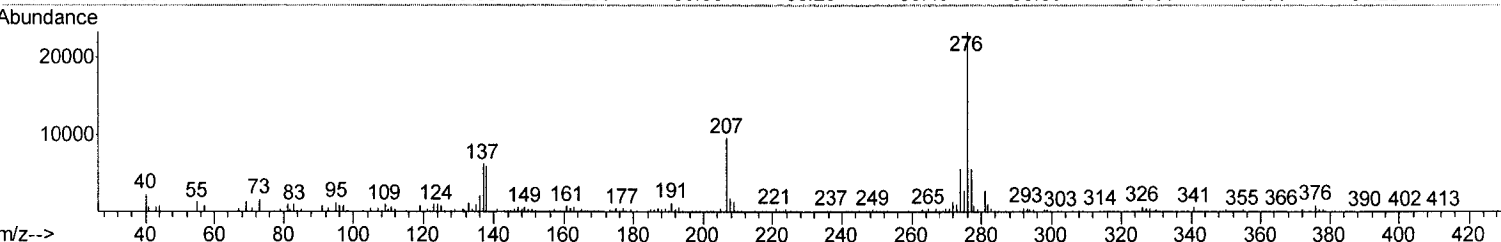
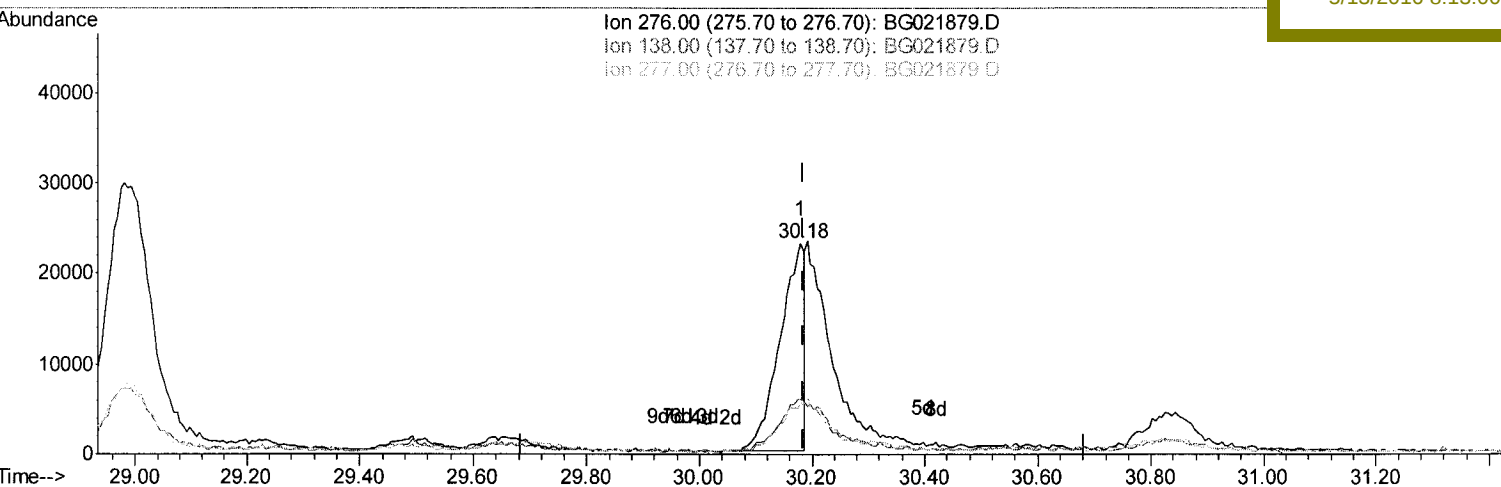
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
Data File : BG021879.D
Acq On : 12 May 2016 21:56
Operator : UM/SJ
Sample : H2936-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9WK6

Manual Integrations
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Quant Time: May 13 07:50:57 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



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

30.180min (-0.004) 2.65ng/ul

response 69349

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	26.04#
277.00	24.70	24.41
0.00	0.00	0.00

Quantitation Report (Qedit)

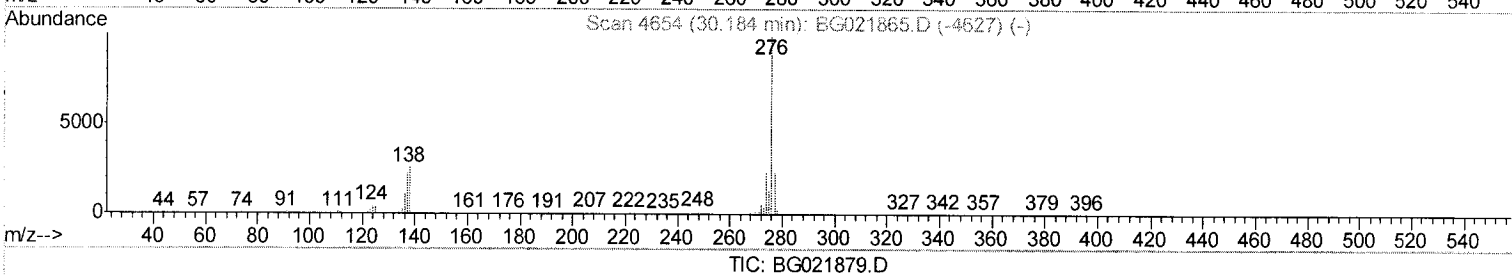
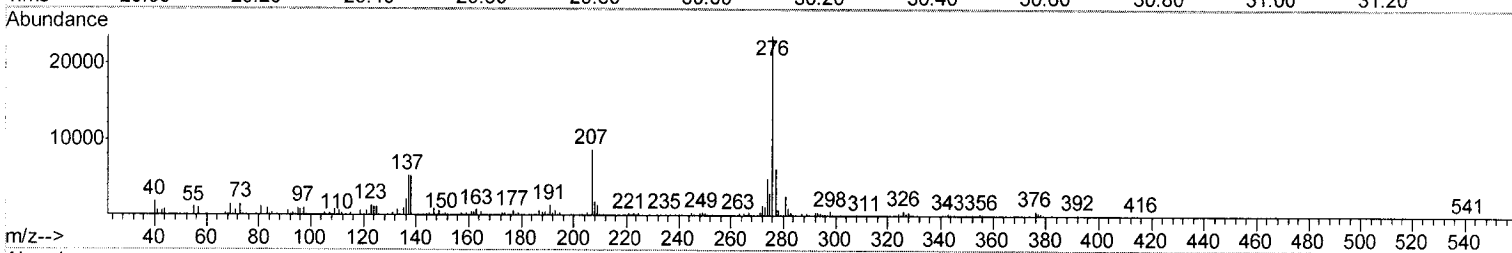
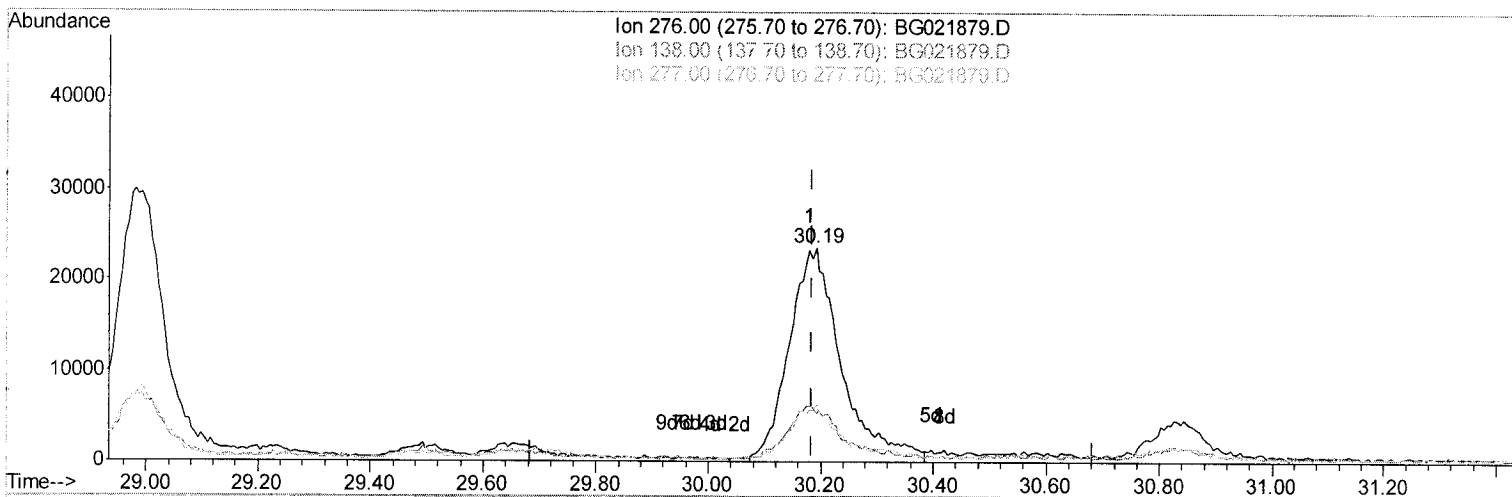
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021879.D
 Acq On : 12 May 2016 21:56
 Operator : UM/SJ
 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

Manual Integrations
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Quant Time: May 13 07:50:57 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



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

30.191min (+0.007) 5.84ng/ul m

response 153178

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	22.49#
277.00	24.70	26.47
0.00	0.00	0.00

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Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051216\
 Data File : BG021879.D
 Acq On : 12 May 2016 21:56
 Operator : UM/SJ
 Sample : H2936-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9WK6

Quant Time: May 13 07:51:50 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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	69558	20.00	ng/ul	0.00
18) Naphthalene-d8	11.00	136	381532	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.80	164	233171	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.54	188	477500	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	467554	20.00	ng/ul	0.00
84) Perylene-d12	25.17	264	470361	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.56	96	5870	4.07	ng/uL	0.00
5) Phenol-d5	7.32	99	144847	28.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.49	67	65249	25.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	127720	31.88	ng/ul	0.00
13) 4-Methylphenol-d8	8.88	113	113853m	26.26	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	67063	26.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.07	143	76418	48.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.61	165	136995	30.58	ng/ul	0.00
29) 4-Chloroaniline-d4	11.13	131	103952m	21.54	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	428976	26.19	ng/ul	0.00
47) Acenaphthylene-d8	14.49	160	578019	24.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	67831m	24.16	ng/ul	0.00
58) Fluorene-d10	15.78	176	391329	22.69	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.90	200	36505m	27.60	ng/ul	0.00
71) Anthracene-d10	17.64	188	527455	22.69	ng/ul	0.00
77) Pyrene-d10	19.92	212	548382m	25.06	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.94	264	527610	23.61	ng/ul	0.00

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Target Compounds					Qvalue
45) Dimethylphthalate	14.24	163	80086	4.80	ng/ul 98
70) Phenanthrene	17.58	178	183571	7.03	ng/ul 98
72) Anthracene	17.67	178	38718	1.46	ng/ul 98
73) Carbazole	17.95	167	27837m	1.21	ng/ul
75) Fluoranthene	19.58	202	423455	14.28	ng/ul# 95
78) Pyrene	19.94	202	373024m	13.79	ng/ul
79) Butylbenzylphthalate	20.81	149	10038m	1.68	ng/ul
81) Benzo(a)anthracene	21.81	228	213886	8.22	ng/ul 96
82) Bis(2-ethylhexyl)phthalate	21.69	149	110454	11.31	ng/ul 95
83) Chrysene	21.87	228	219762	8.54	ng/ul 97
86) Benzo(b)fluoranthene	24.10	252	361103	13.41	ng/ul# 96
87) Benzo(k)fluoranthene	24.16	252	83915m	2.91	ng/ul
89) Benzo(a)pyrene	25.01	252	224560	8.38	ng/ul# 94
90) Indeno(1,2,3-cd)pyrene	28.98	276	157034	4.94	ng/ul# 95
91) Dibenzo(a,h)anthracene	29.04	278	42043m	1.59	ng/ul
92) Benzo(g,h,i)perylene	30.19	276	153178m	5.84	ng/ul

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