

Quantitation Report (QT Reviewed)

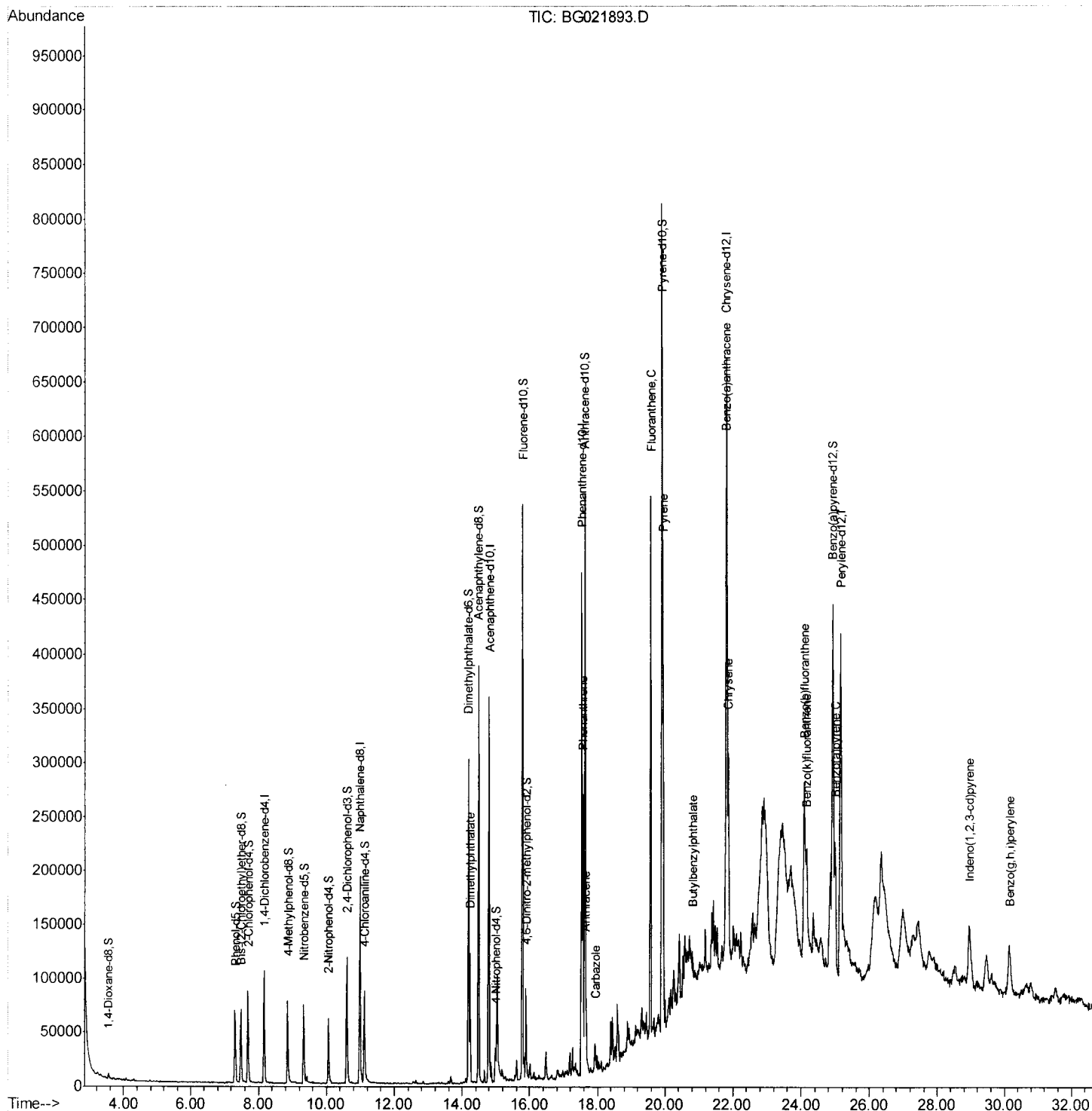
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sample ID :
 D9XG0

Manual Integrations
 APPROVED

sohil
 5/16/2016 7:03:56 PM

Quant Time: May 16 02:30:14 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



Quantitation Report (Qedit)

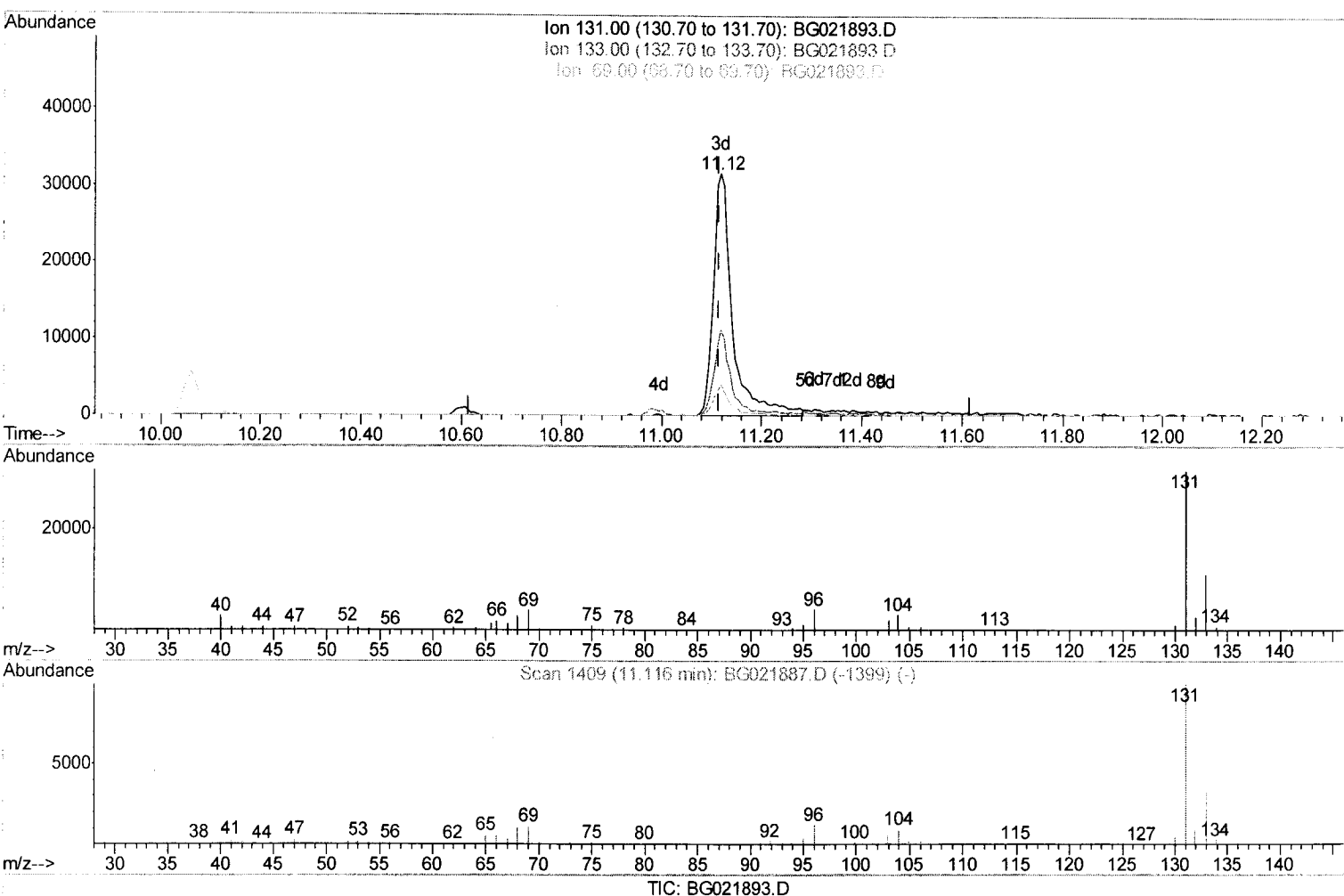
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
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Manual Integrations
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Quant Time: May 16 01:28:53 2016
 Quant Method : 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



(29) 4-Chloroaniline-d4 (S)

11.118min (+0.003) 29.41ng/ul m

response 84706

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	35.15
69.00	23.00	12.66#
0.00	0.00	0.00

U.M
 05/17/16

Quantitation Report (Qedit)

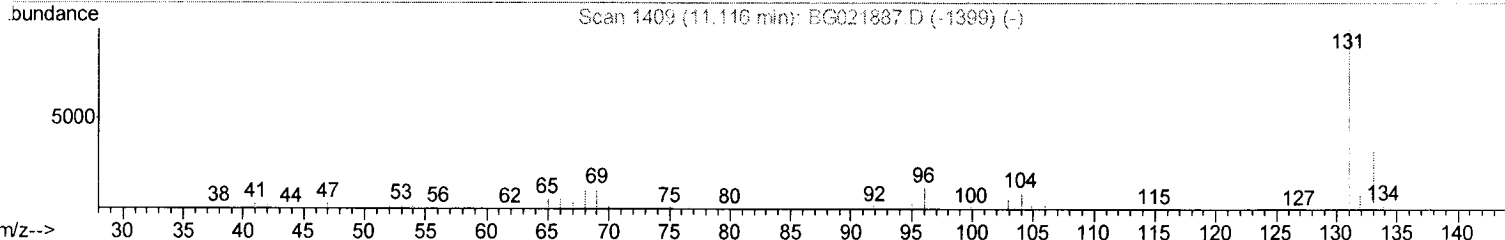
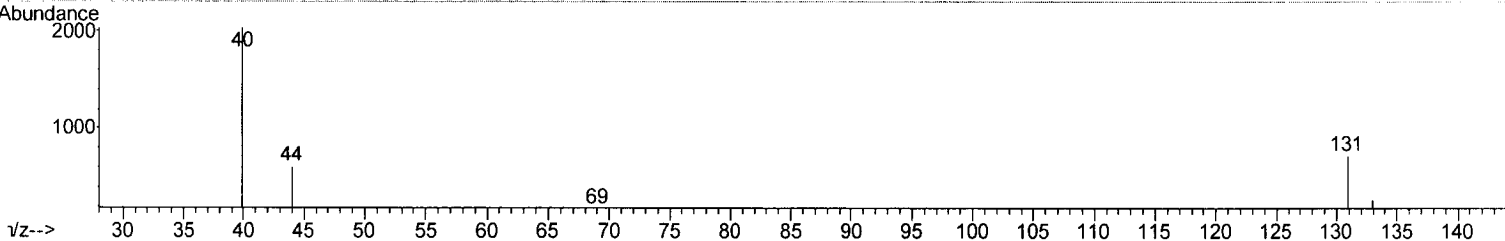
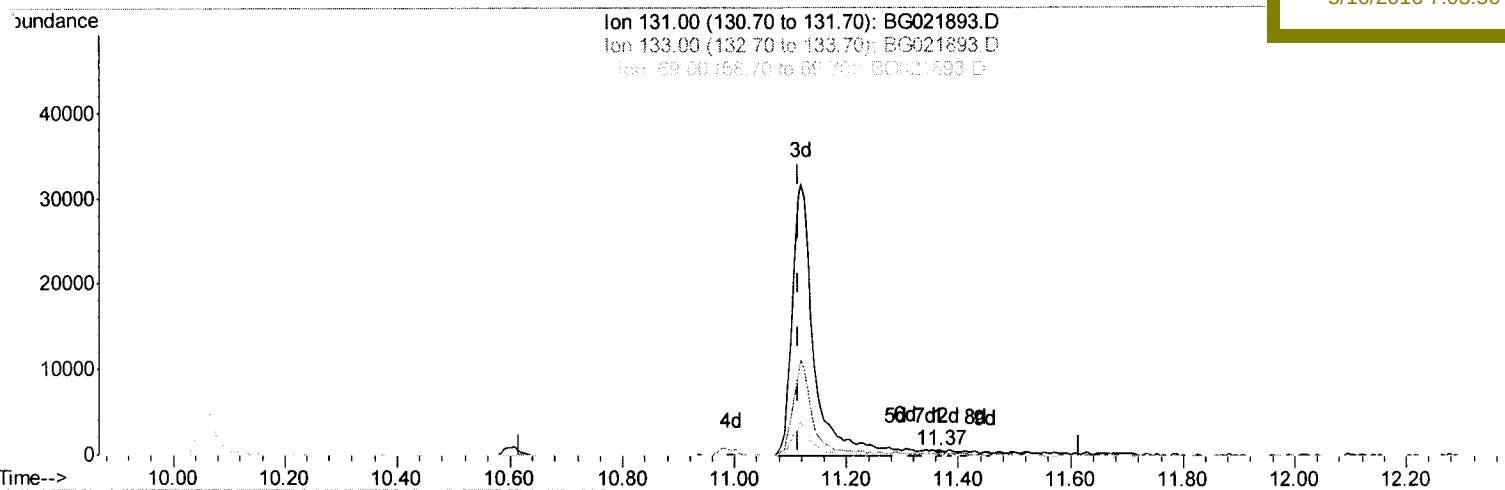
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
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TIC: BG021893.D

(29) 4-Chloroaniline-d4 (S)

11.365min (+0.249) 0.04ng/ul

response 120

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	38.46
69.00	23.00	25.73
0.00	0.00	0.00

Quantitation Report (Qedit)

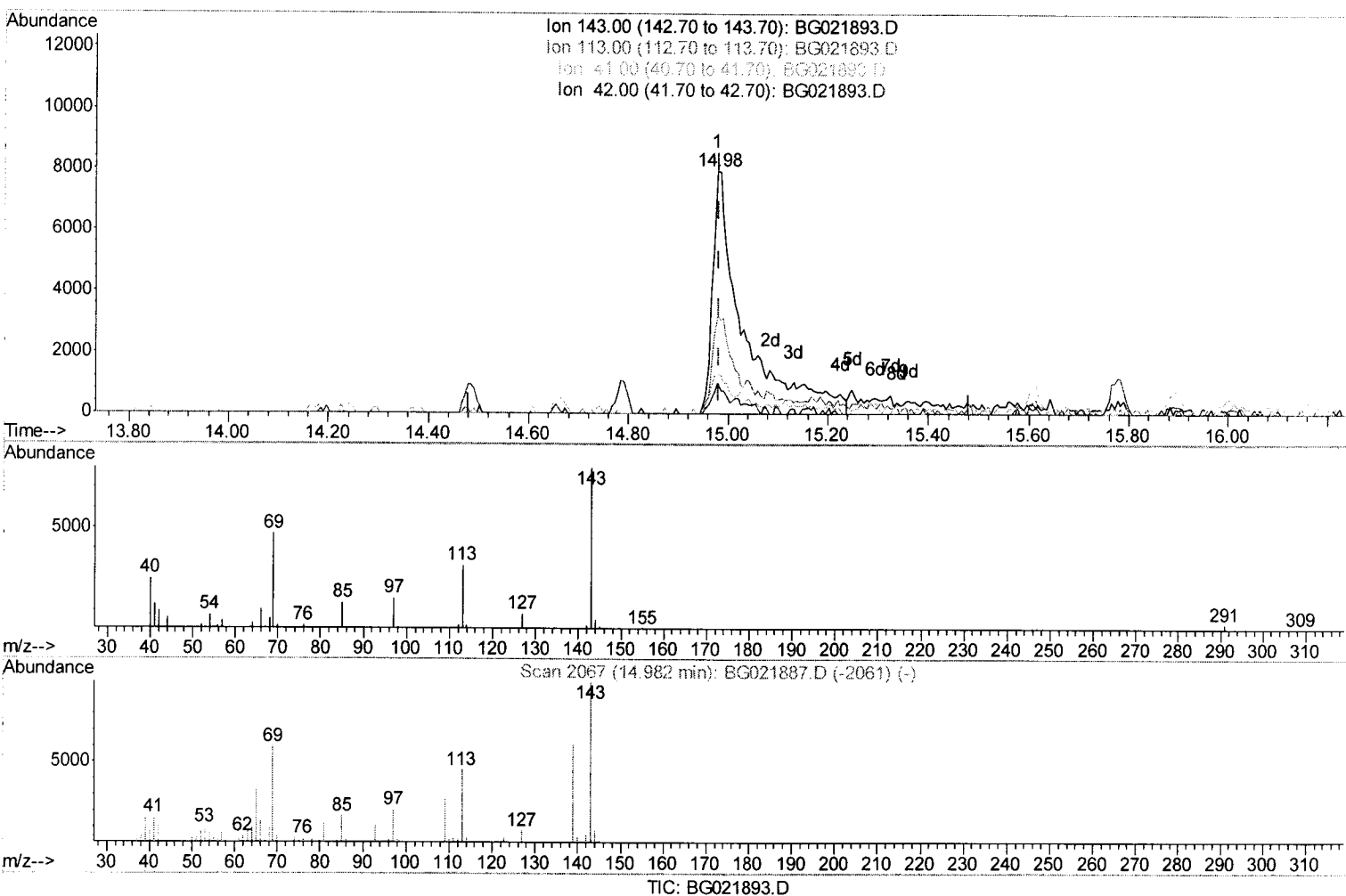
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
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(52) 4-Nitrophenol-d4 (S)

14.979min (-0.003) 19.78ng/ul m U.M
05/17/16
 response 34475

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	40.33#
41.00	49.70	16.59#
42.00	33.70	12.59#

Quantitation Report (Qedit)

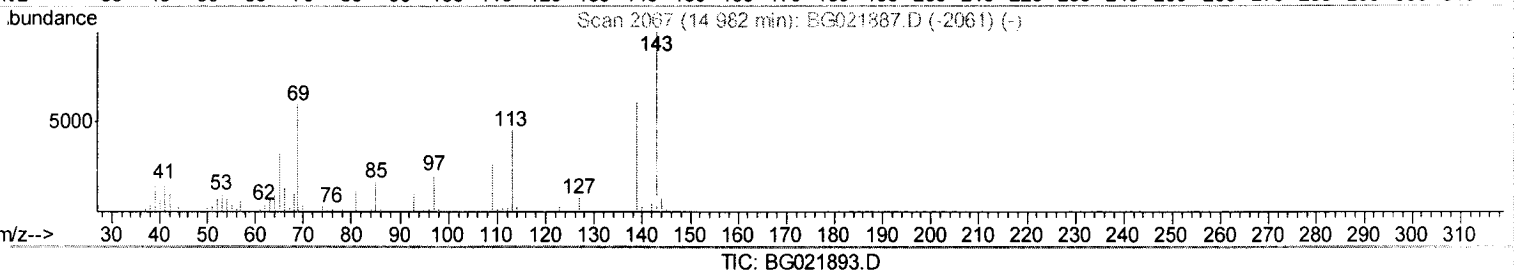
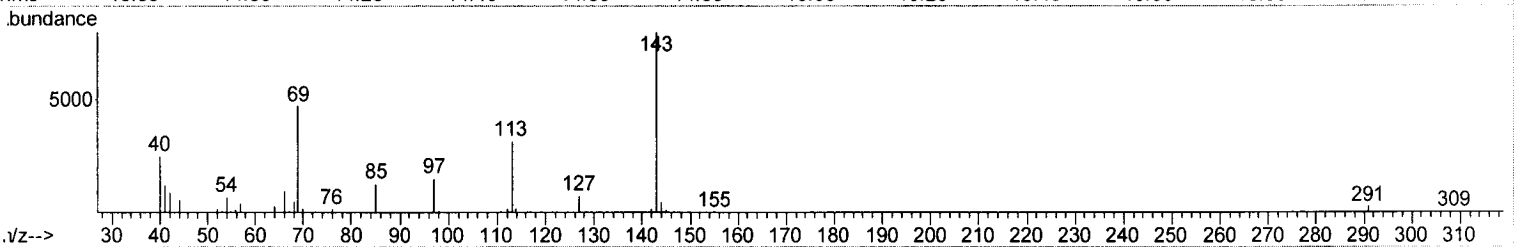
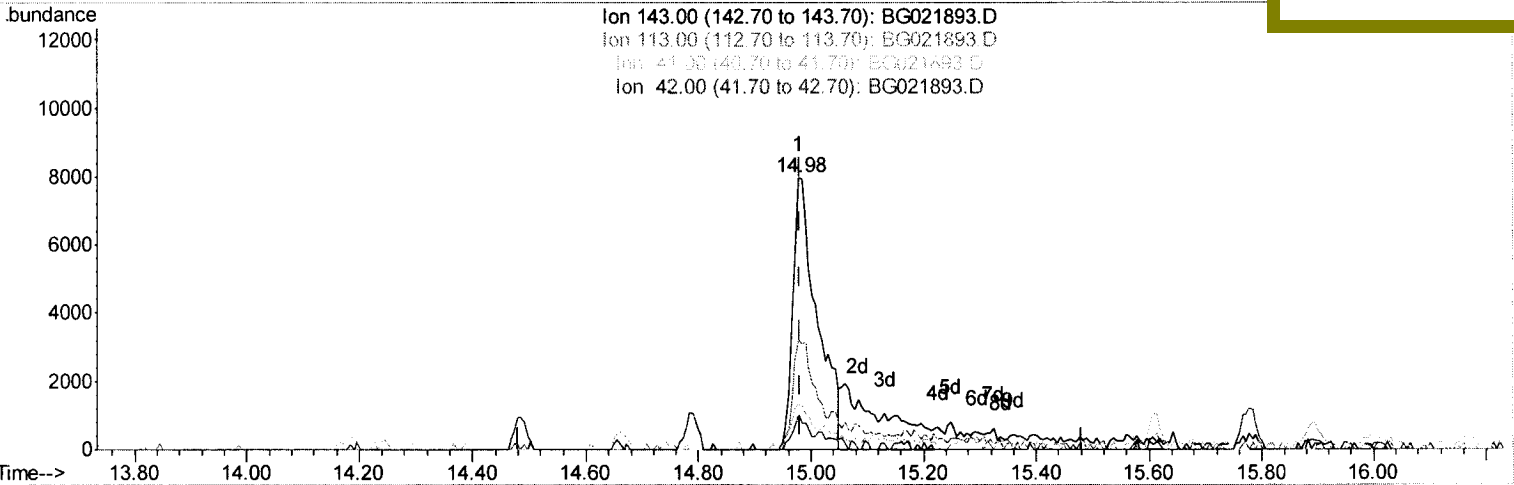
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
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 Operator : UM/SJ
 Sample : H3096-05
 Misc :
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Instrument :
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(52) 4-Nitrophenol-d4 (S)

14.979min (-0.003) 13.56ng/ul

response 23627

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	40.33#
41.00	49.70	16.59#
42.00	33.70	12.59#

Quantitation Report (Qedit)

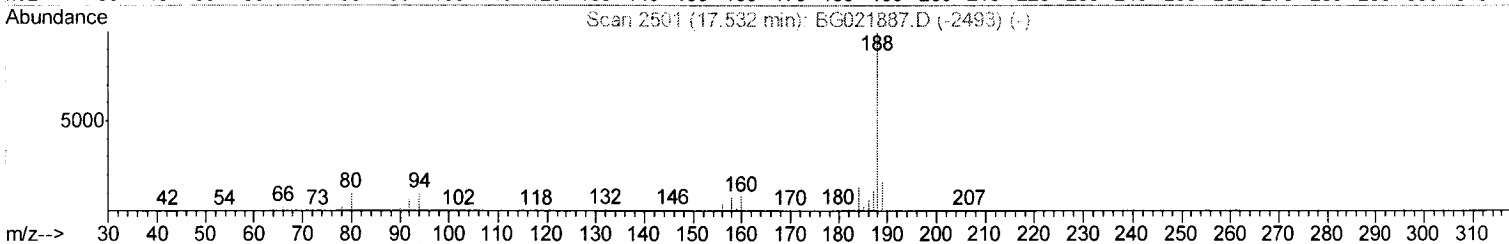
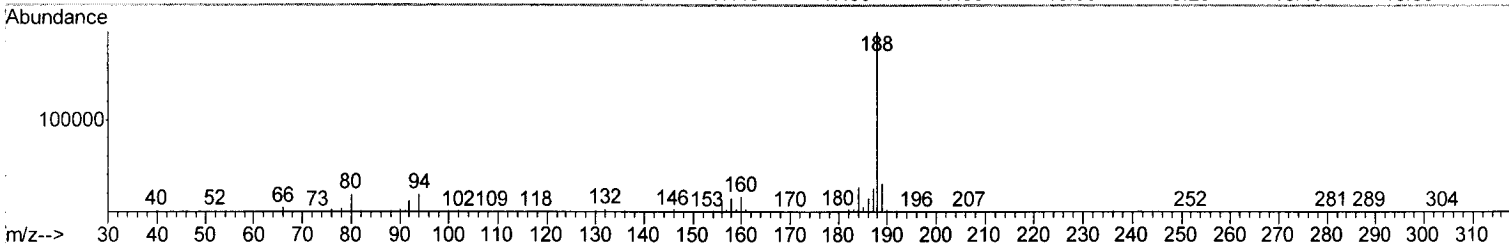
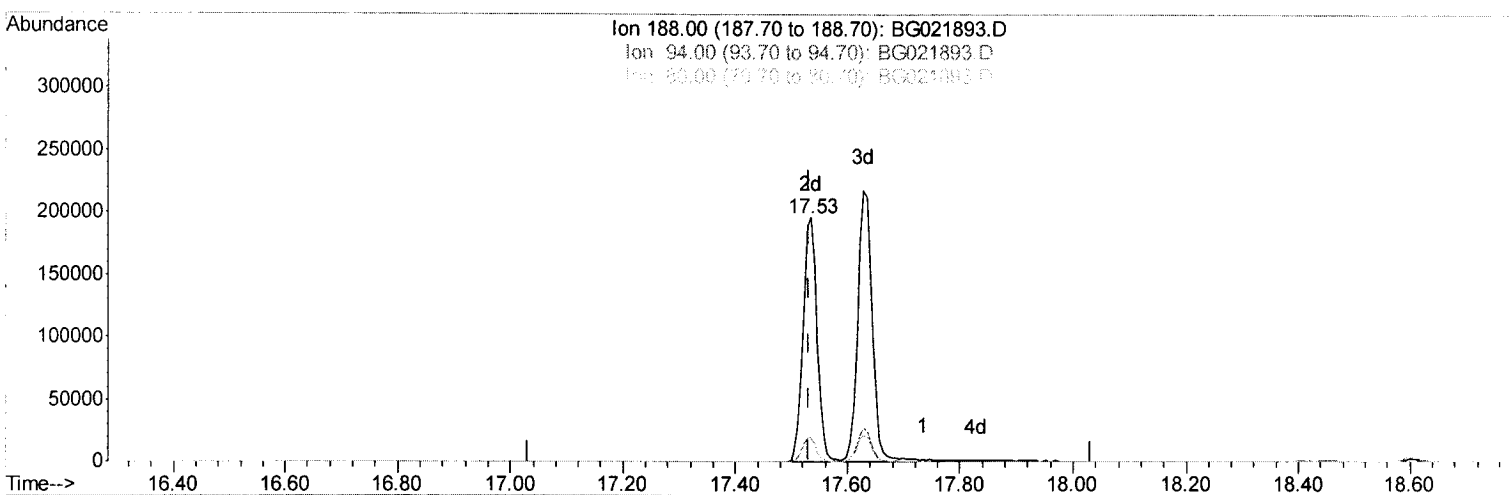
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TIC: BG021893.D

(62) Phenanthrene-d10 (I)

17.534min (+0.003) 20.00ng/ui m U.M
 response 339631 05/17/16

Ion	Exp%	Act%
188.00	100	100
94.00	9.60	9.92
80.00	12.20	9.73#
0.00	0.00	0.00

Quantitation Report (Qedit)

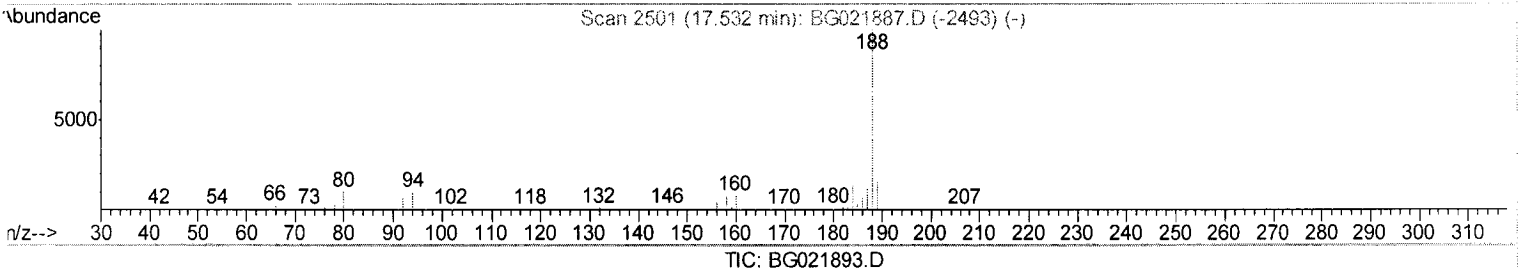
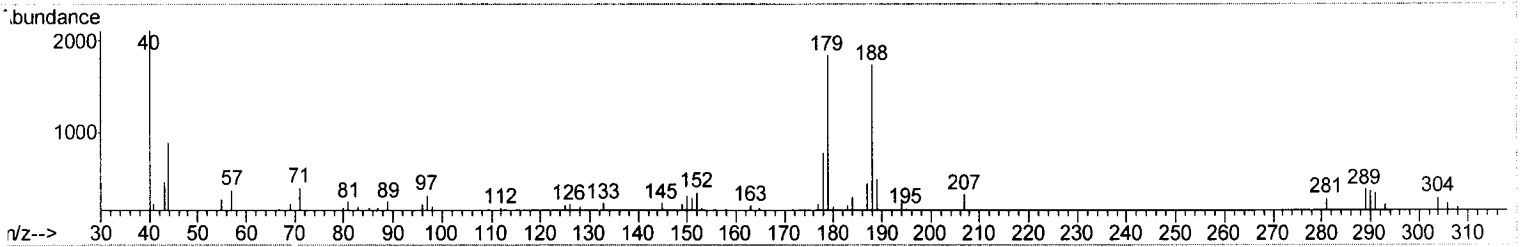
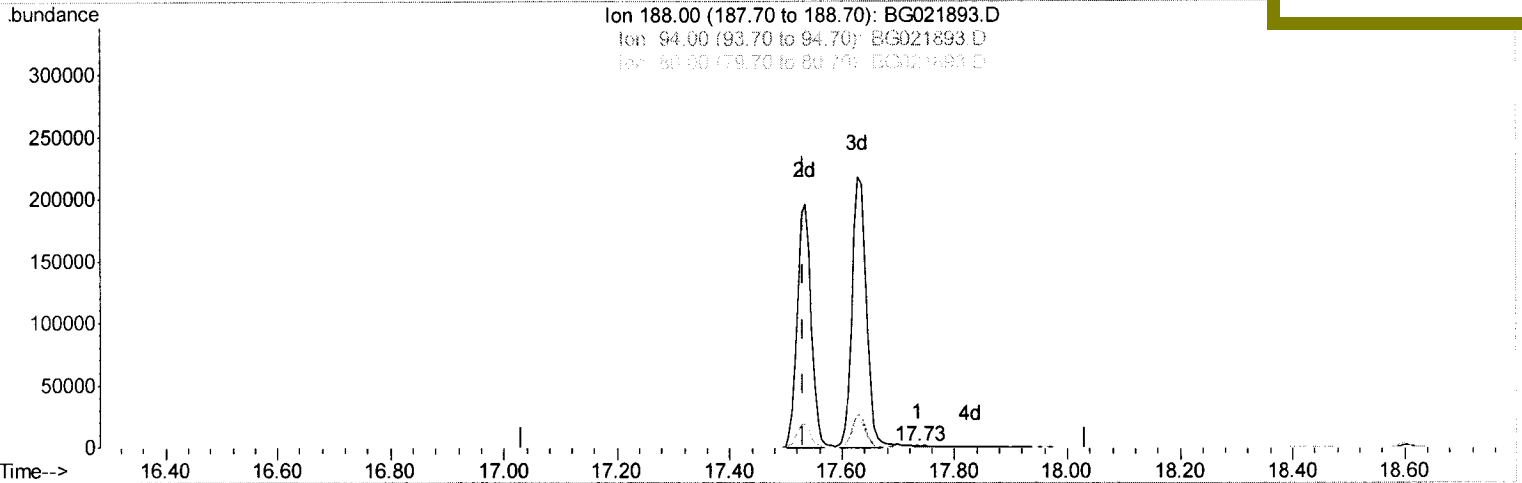
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 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
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Manual Integrations
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(62) Phenanthrene-d10 (I)

17.734min (+0.203) 20.00ng/ul

response 686

Ion	Exp%	Act%
188.00	100	100
94.00	9.60	9.06
80.00	12.20	10.05
0.00	0.00	0.00

Quantitation Report (Qedit)

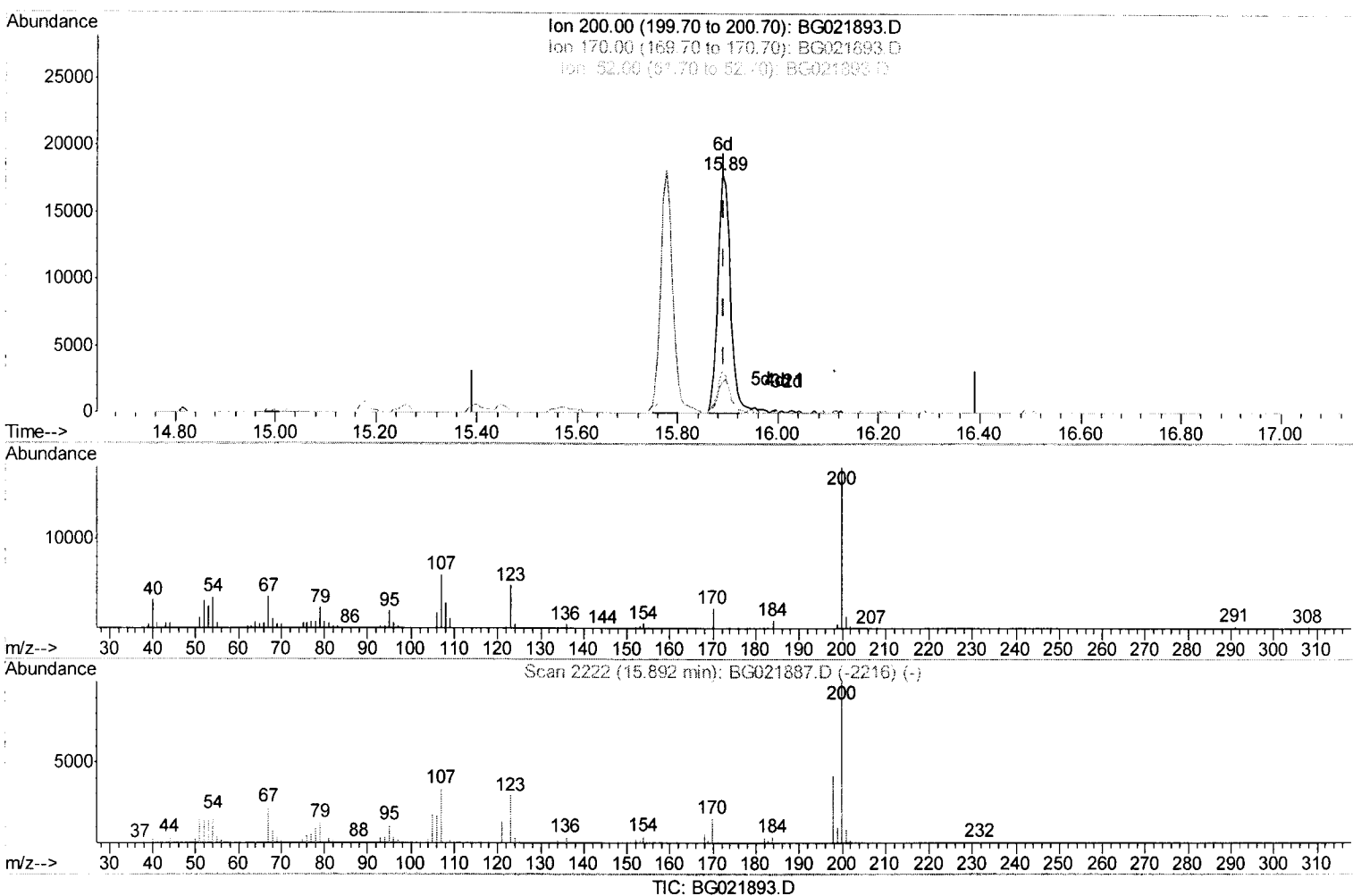
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Manual Integrations
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Quant Time: May 16 02:26:11 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
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(63) 4,6-Dinitro-2-methylphenol-d2 (S)

15.889min (-0.003) 32.95ng/ul m

response 31001

Ion	Exp%	Act%
200.00	100	100
170.00	22.30	13.09#
52.00	53.20	17.88#
0.00	0.00	0.00

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 05/17/16

Quantitation Report (Qedit)

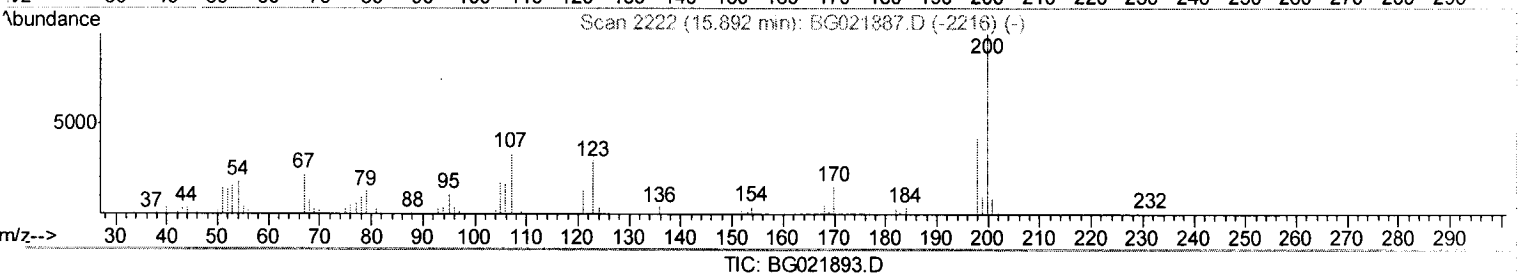
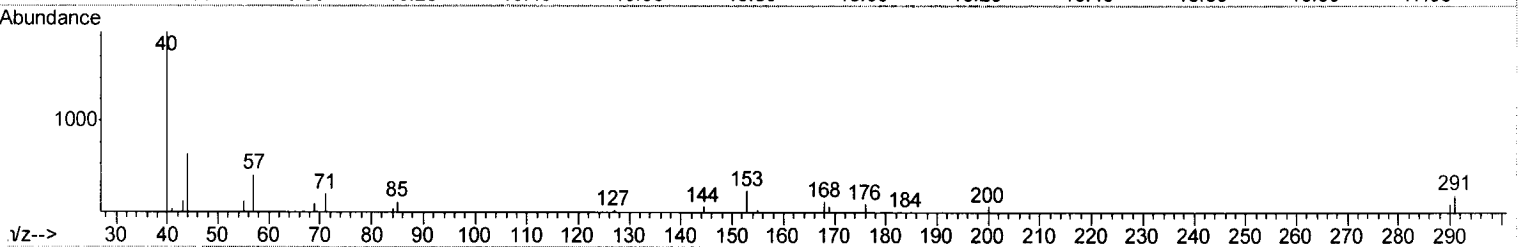
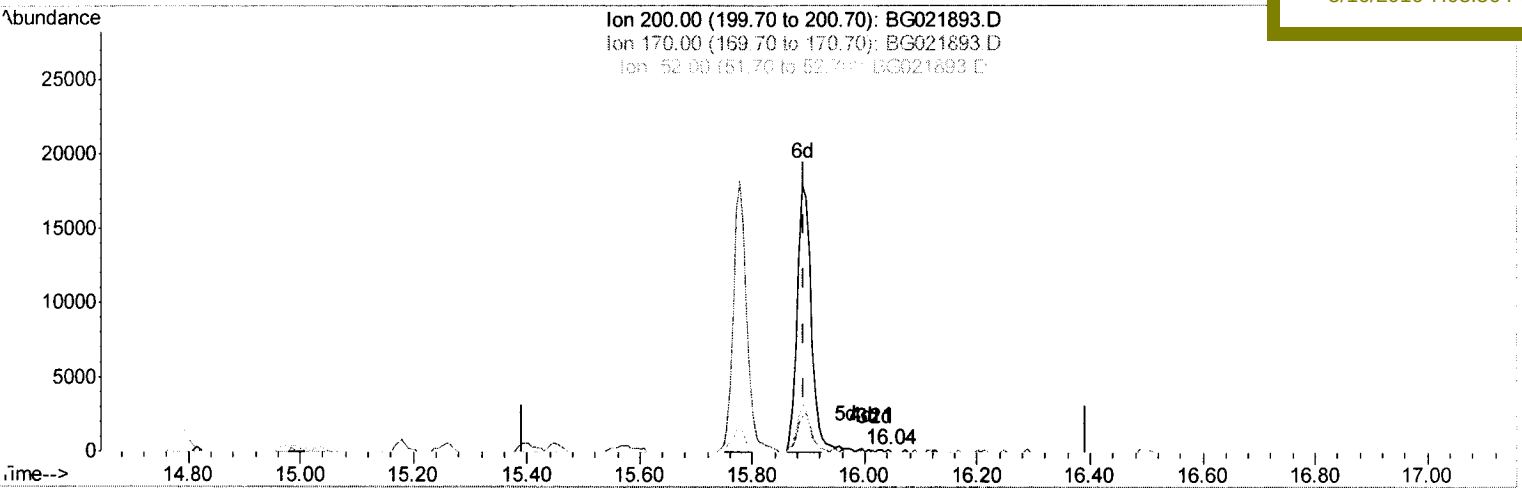
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

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

16.042min (+0.150) 0.08ng/ul

response 73

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

Quantitation Report (Qedit)

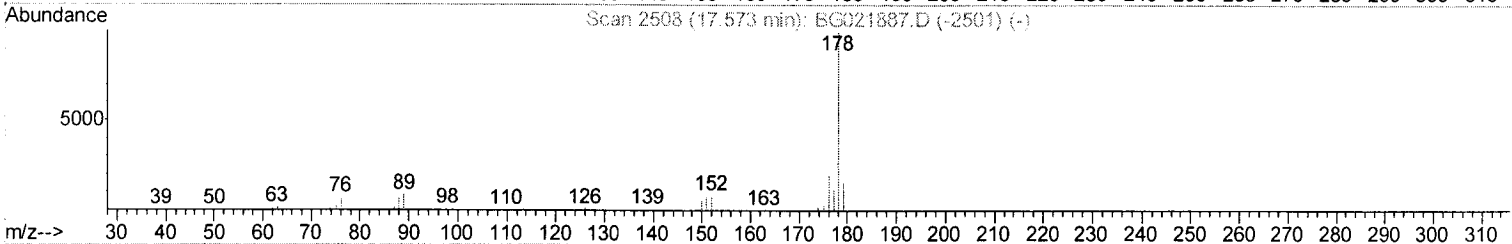
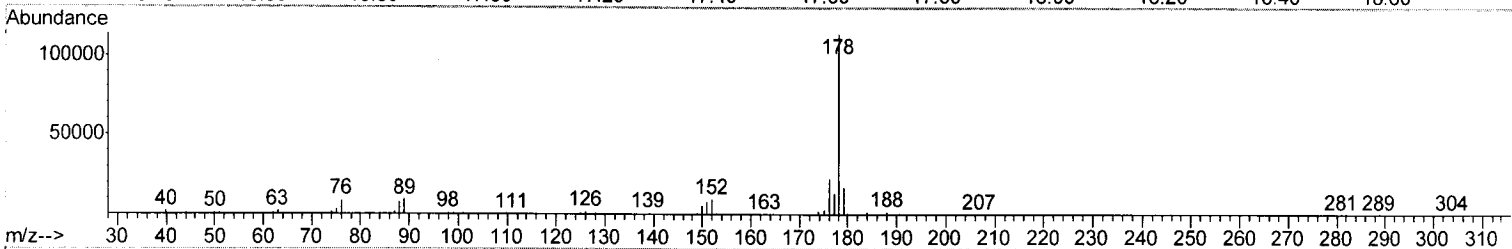
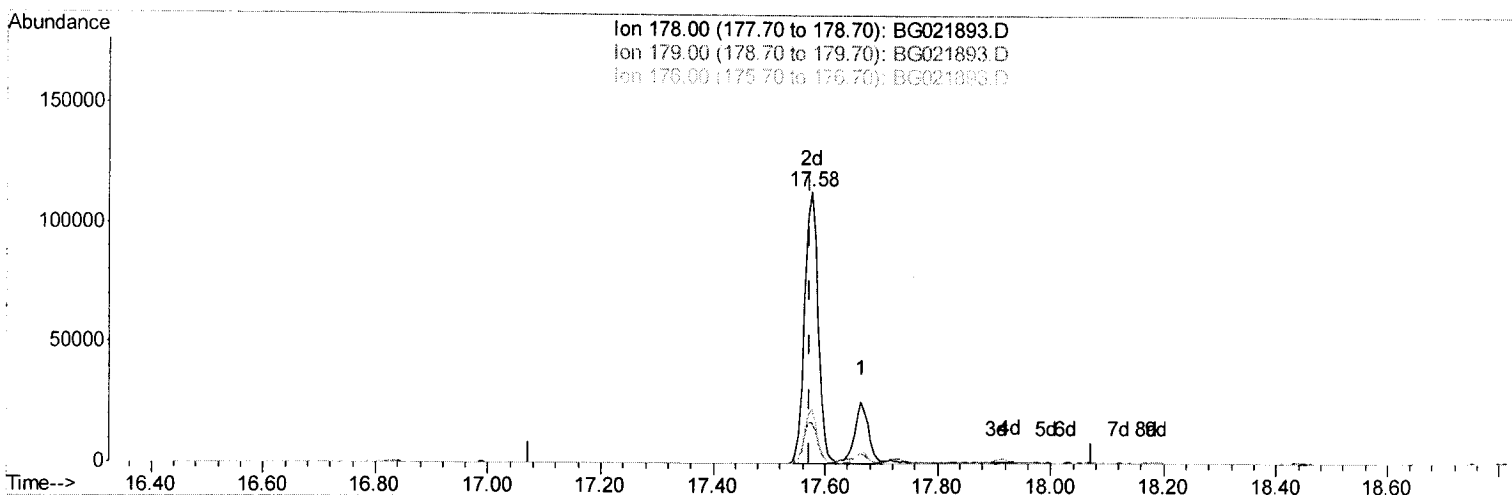
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Manual Integrations
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Quant Time: May 16 02:26:11 2016
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TIC: BG021893.D

(70) Phenanthrene

17.575min (+0.003) 10.08ng/ul m *U.M*
05/17/16
 response 187246

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	15.12
176.00	18.50	19.86
0.00	0.00	0.00

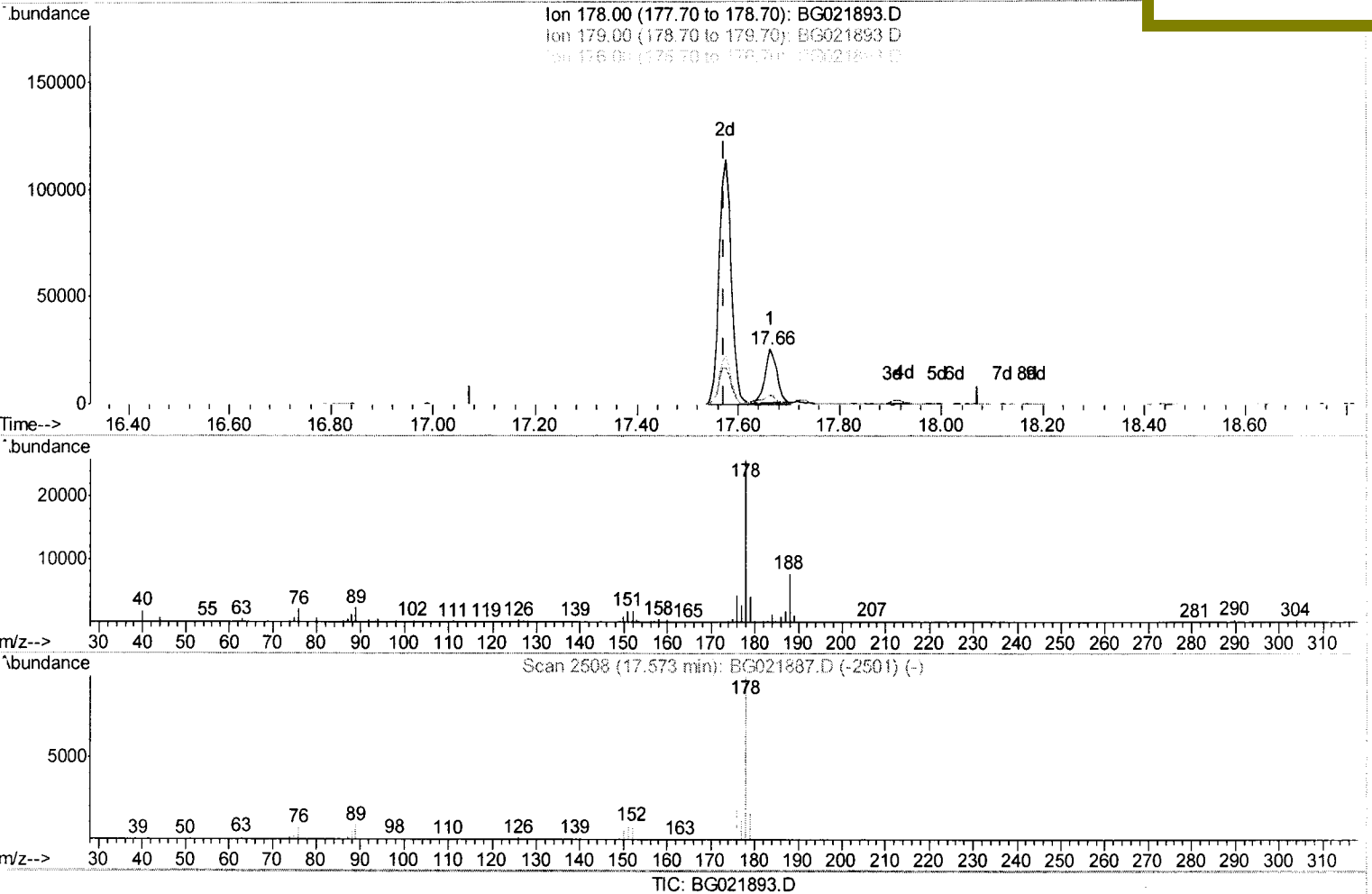
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
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Sample : H3096-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG0

Manual Integrations
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(70) Phenanthrene

17.664min (+0.091) 2.14ng/ul

response 39712

Ion	Exp%	Act%
178.00	100	100
179.00	14.80	16.20
176.00	18.50	17.15
0.00	0.00	0.00

Quantitation Report (Qedit)

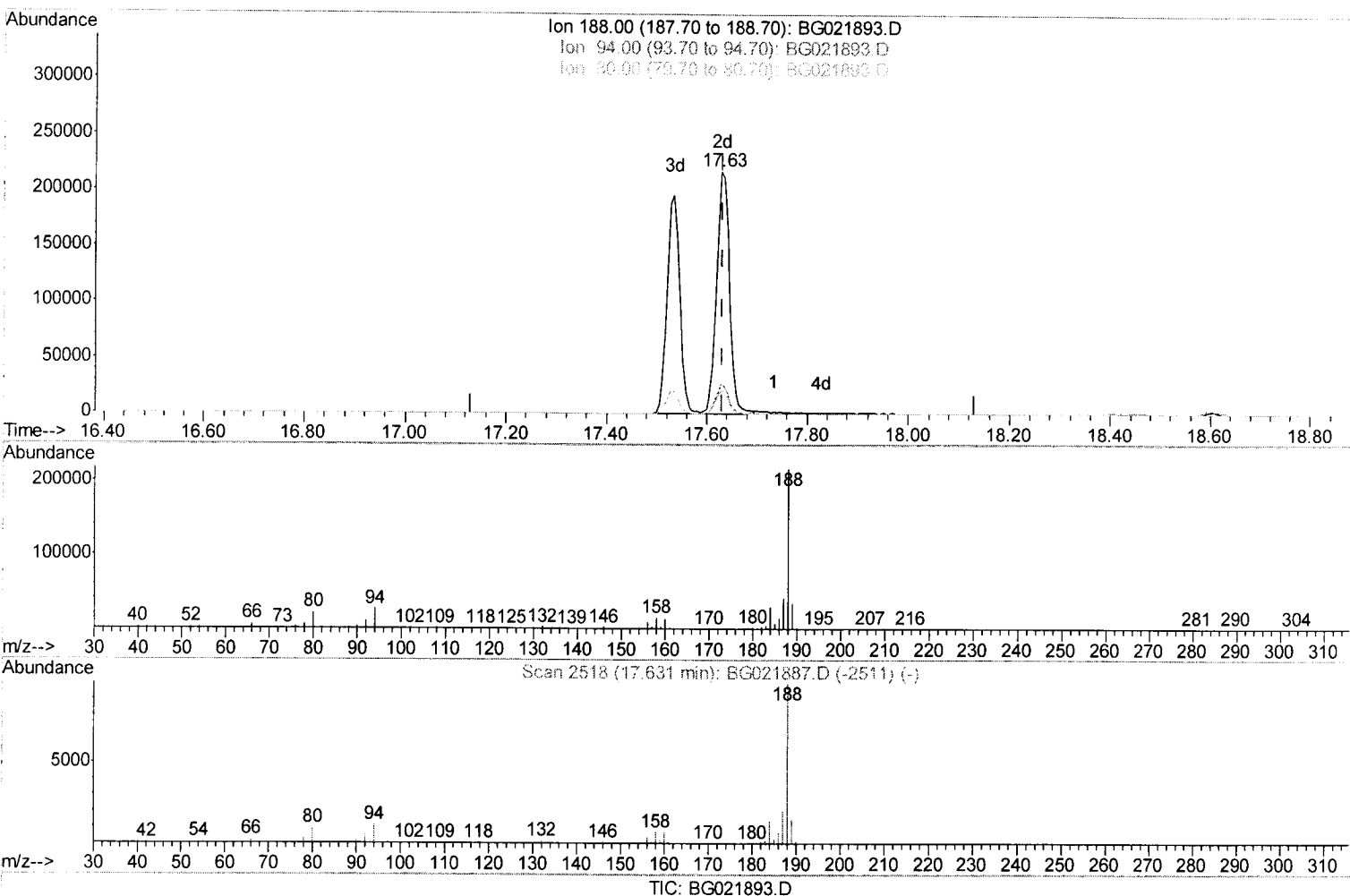
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Manual Integrations
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(71) Anthracene-d10 (S)

17.628min (-0.003) 23.62ng/ul m U.M

response 390461

Ion	Exp%	Act%
188.00	100	100
94.00	10.70	12.13
80.00	10.80	9.79
0.00	0.00	0.00

Quantitation Report (Qedit)

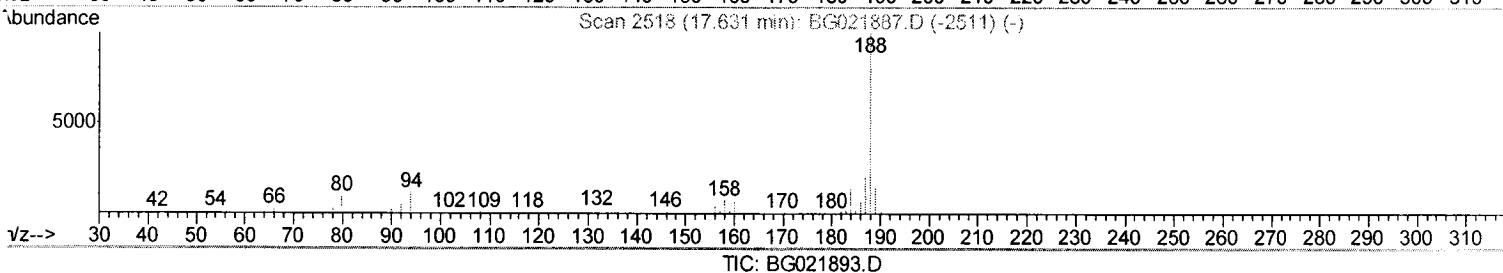
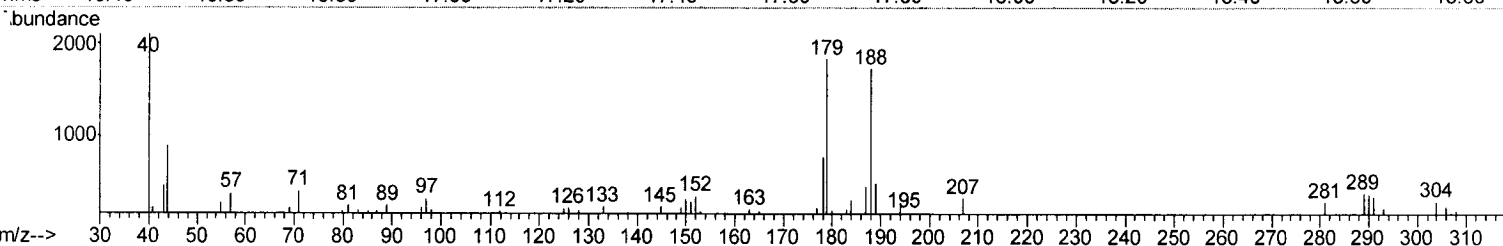
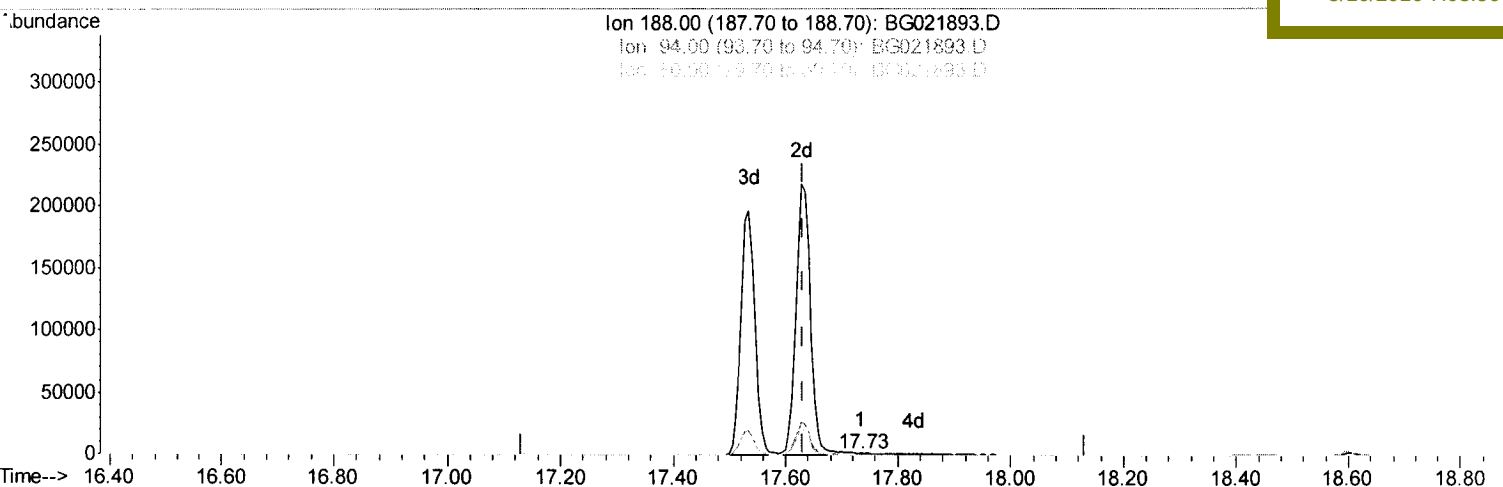
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(71) Anthracene-d10 (S)

17.734min (+0.103) 0.04ng/ul

response 686

Ion	Exp%	Act%
188.00	100	100
94.00	10.70	9.06
80.00	10.80	10.05
0.00	0.00	0.00

Quantitation Report (Qedit)

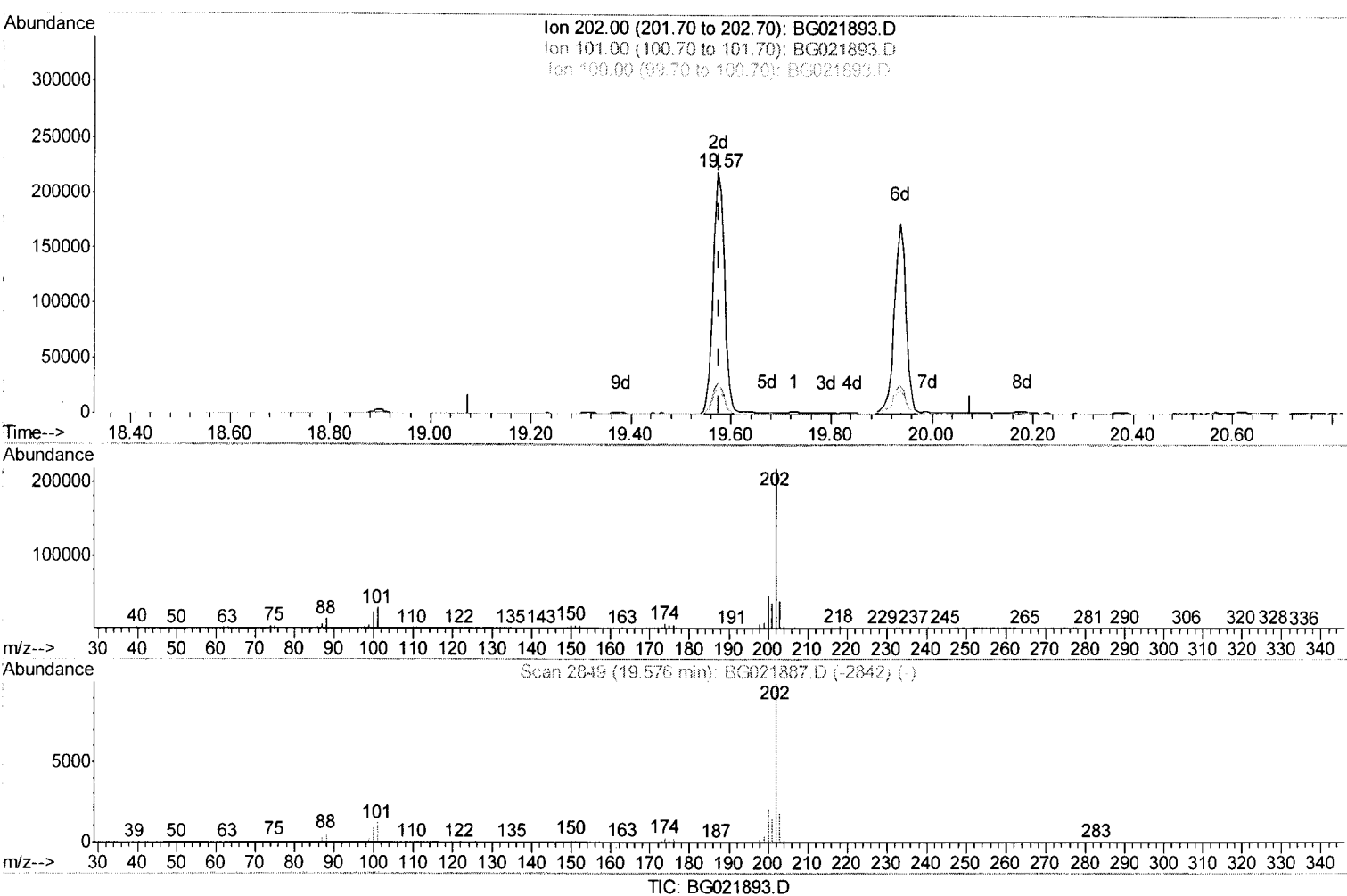
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(75) Fluoranthene (C)

19.573min (-0.003) 16.29ng/ul m U.M
 response 343587 05/17/16

Ion	Exp%	Act%
202.00	100	100
101.00	11.10	12.77
100.00	8.70	10.18
0.00	0.00	0.00

Quantitation Report (Qedit)

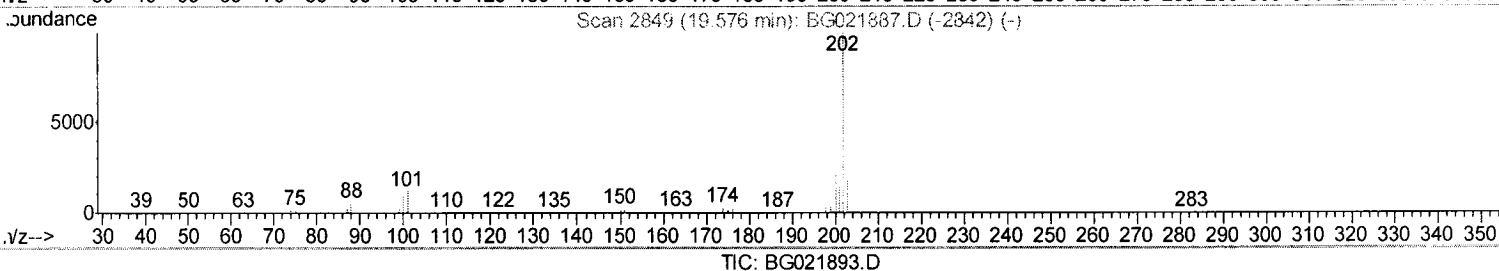
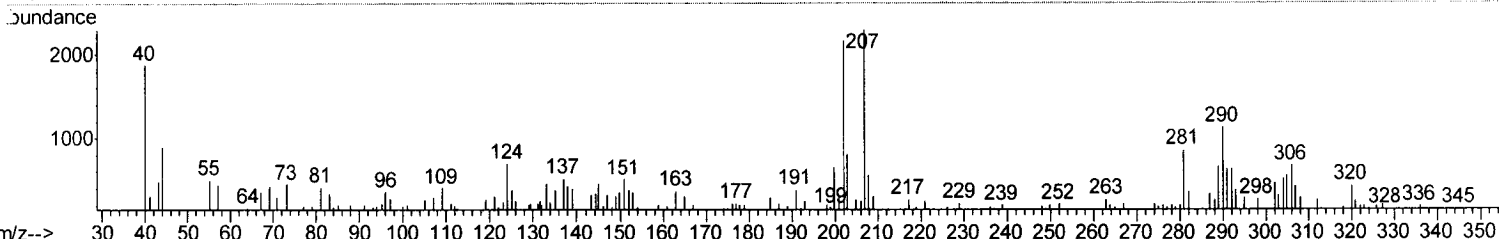
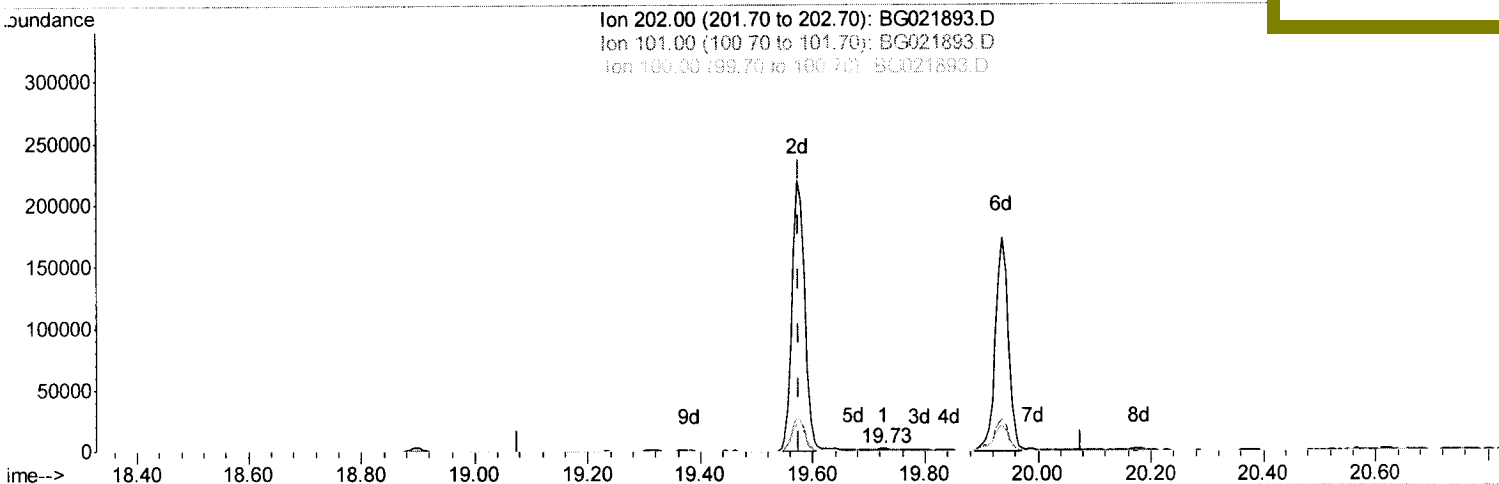
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(75) Fluoranthene (C)

19.726min (+0.150) 0.10ng/ul

response 2020

Ion	Exp%	Act%
202.00	100	100
101.00	11.10	9.97
100.00	8.70	8.85
0.00	0.00	0.00

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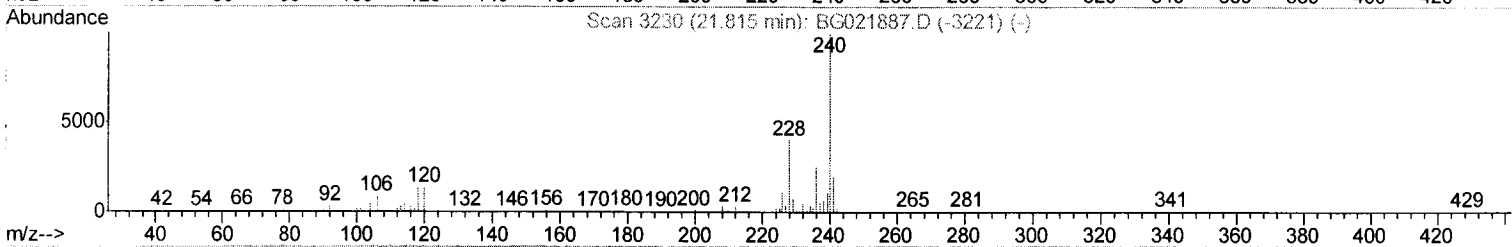
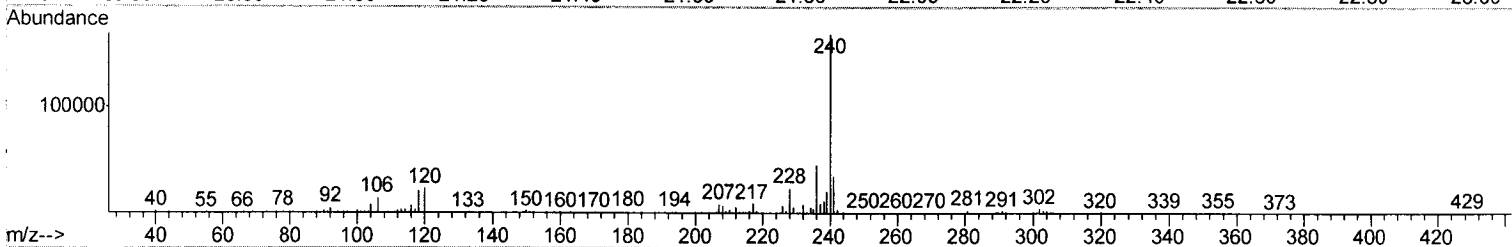
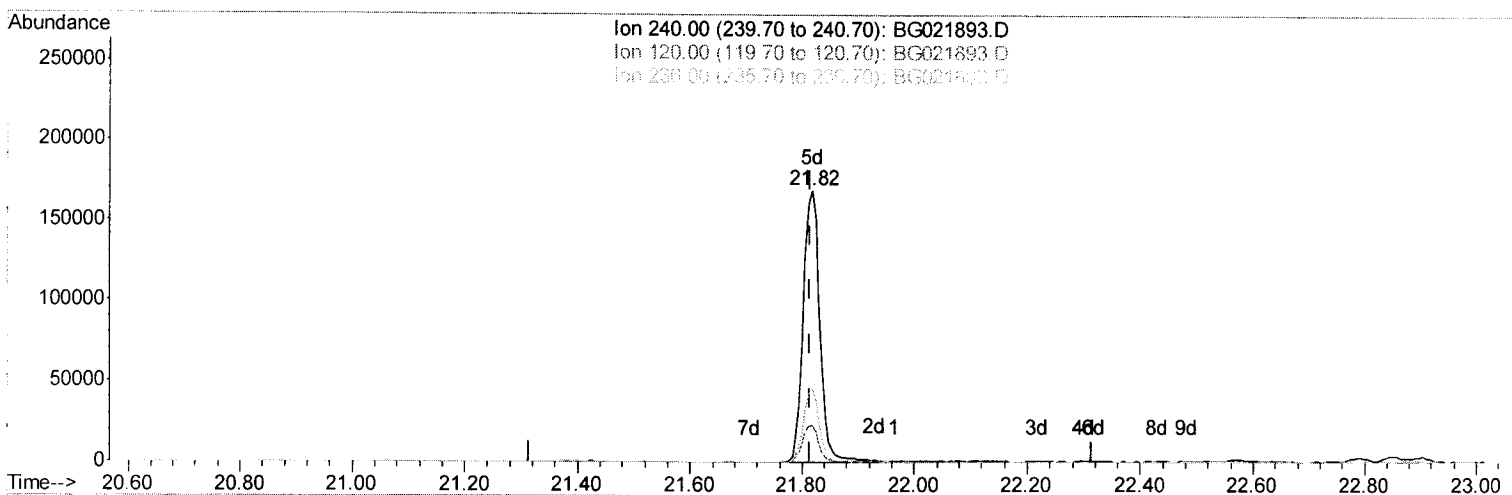
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TIC: BG021893.D

(76) Chrysene-d12 (I)

21.818min (+0.003) 20.00ng/ul m U.M
 response 343674 05/17/16

Ion	Exp%	Act%
240.00	100	100
120.00	10.40	13.67#
236.00	26.40	27.02
0.00	0.00	0.00

Quantitation Report (Qedit)

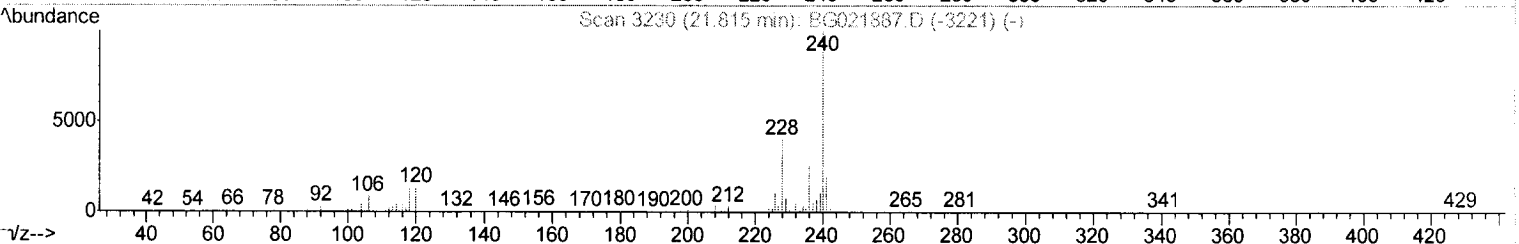
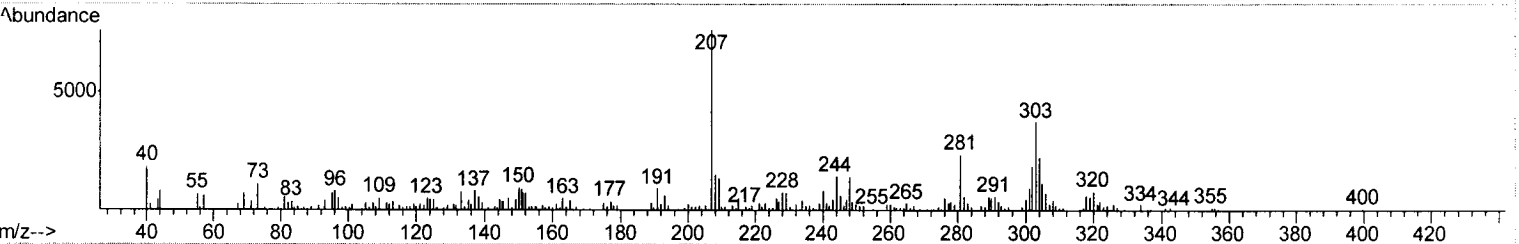
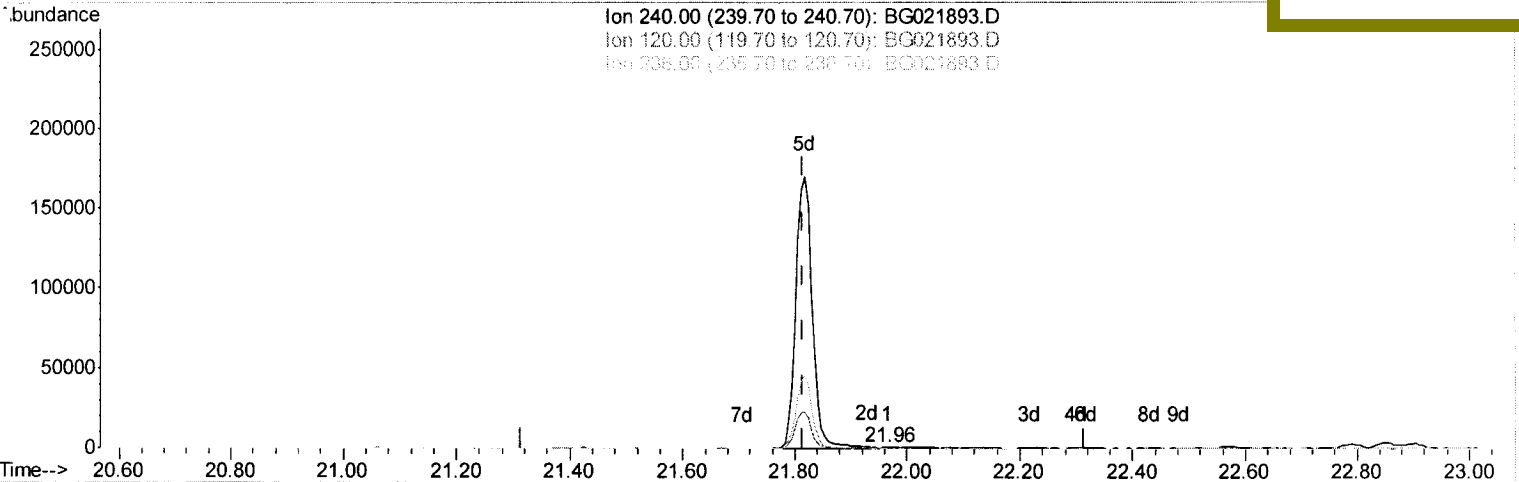
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Quant Time: May 16 02:26:11 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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TIC: BG021893.D

(76) Chrysene-d12 (I)

21.964min (+0.150) 20.00ng/ul

response 1118

Ion	Exp%	Act%
240.00	100	100
120.00	10.40	30.41#
236.00	26.40	35.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

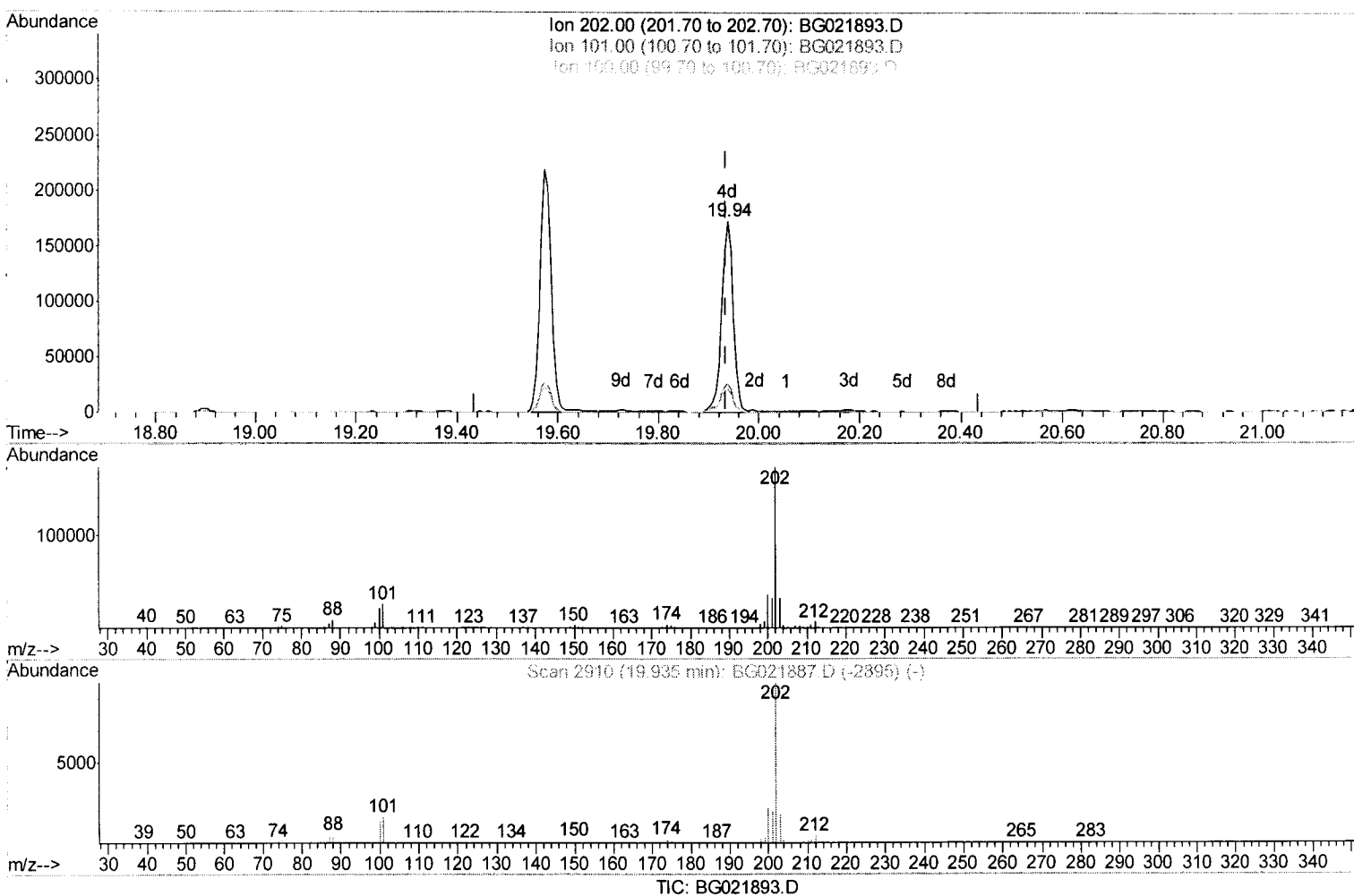
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

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Quant Time: May 16 02:27:47 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



(78) Pyrene

19.937min (+0.003) 13.83ng/ul m U.M
 response 274959
 05/17/16

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	15.00#
100.00	11.60	12.40
0.00	0.00	0.00

Quantitation Report (Qedit)

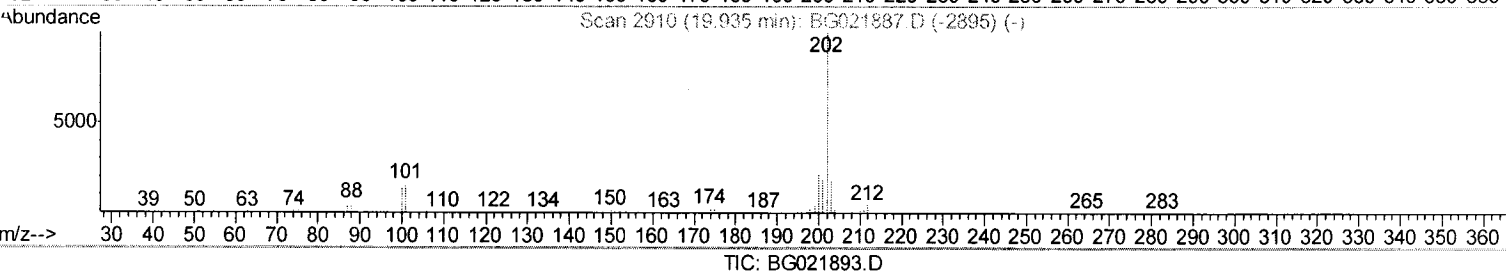
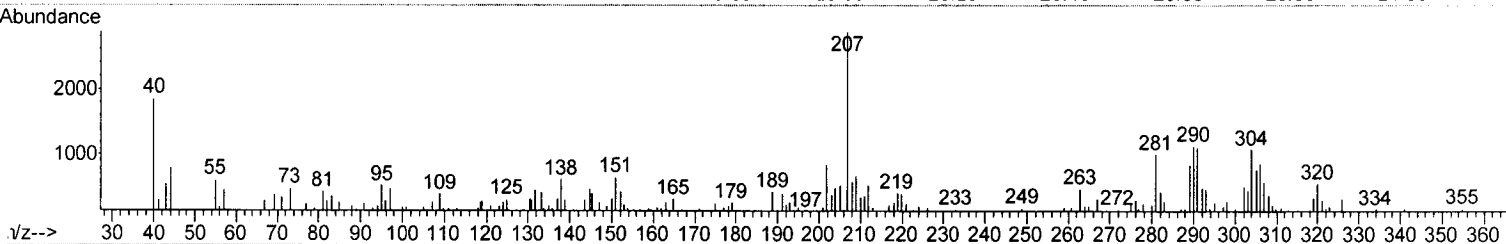
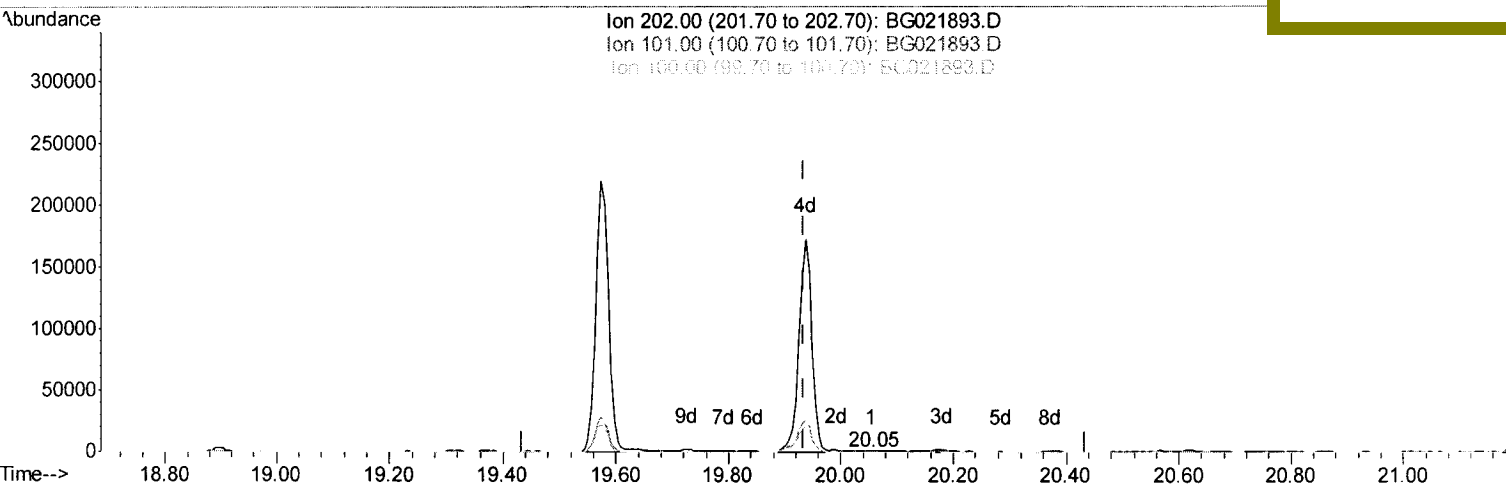
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021893.D
Acq On : 15 May 2016 14:55
Operator : UM/SJ
Sample : H3096-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG0

Quant Time: May 16 02:27:47 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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(78) Pyrene

20.055min (+0.120) 0.02ng/ul

response 299

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	23.93#
100.00	11.60	23.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

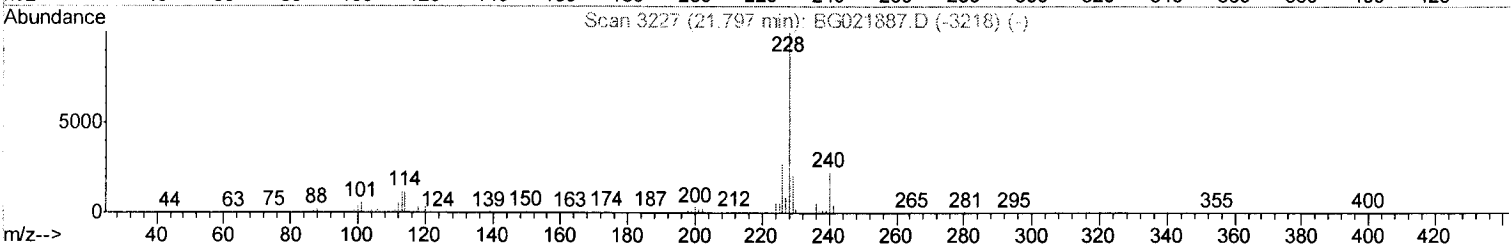
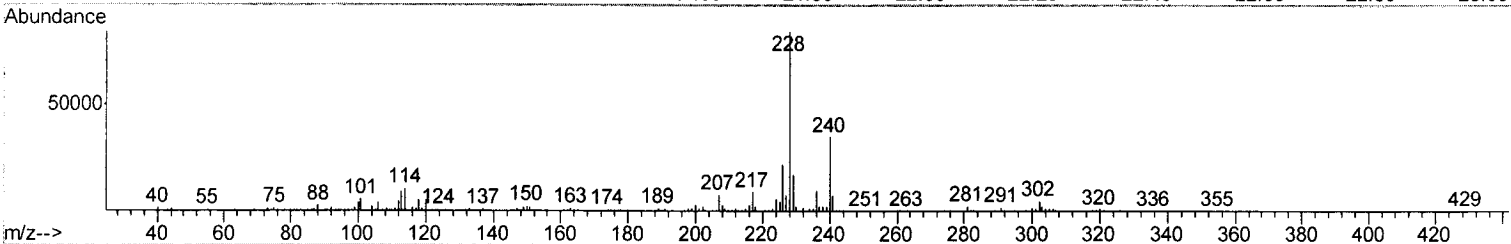
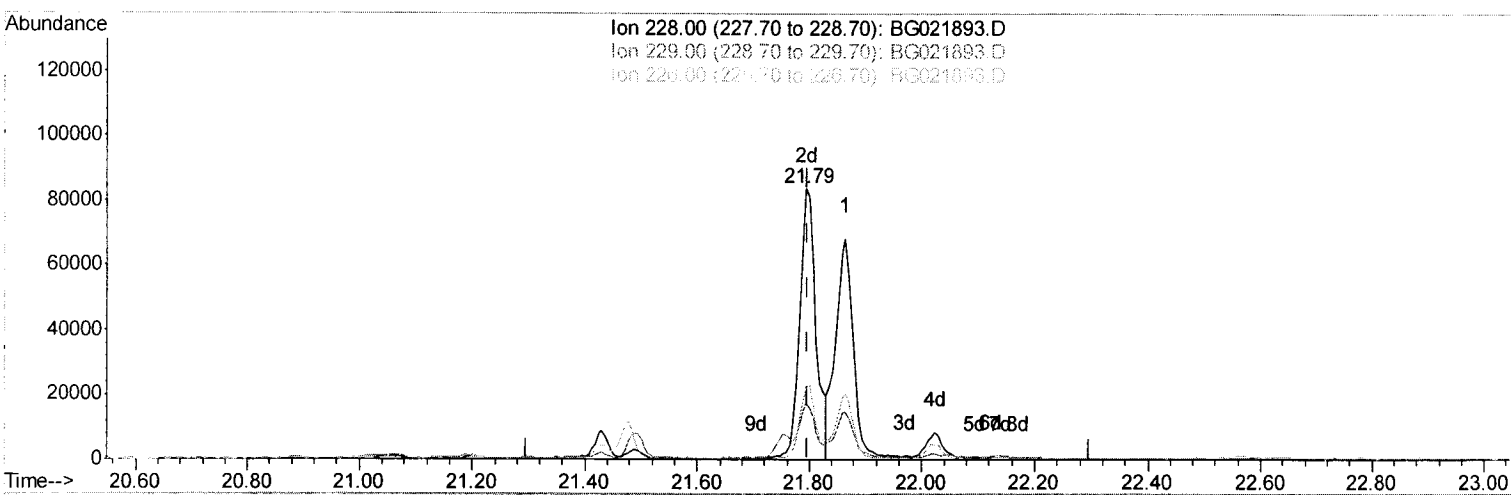
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Manual Integrations
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Quant Time: May 16 02:27:47 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



TIC: BG021893.D

(81) Benzo(a)anthracene

21.794min (-0.003) 8.99ng/ul m

response 171940

U.M
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Ion	Exp%	Act%
228.00	100	100
229.00	20.80	20.74
226.00	26.20	26.51
0.00	0.00	0.00

Quantitation Report (Qedit)

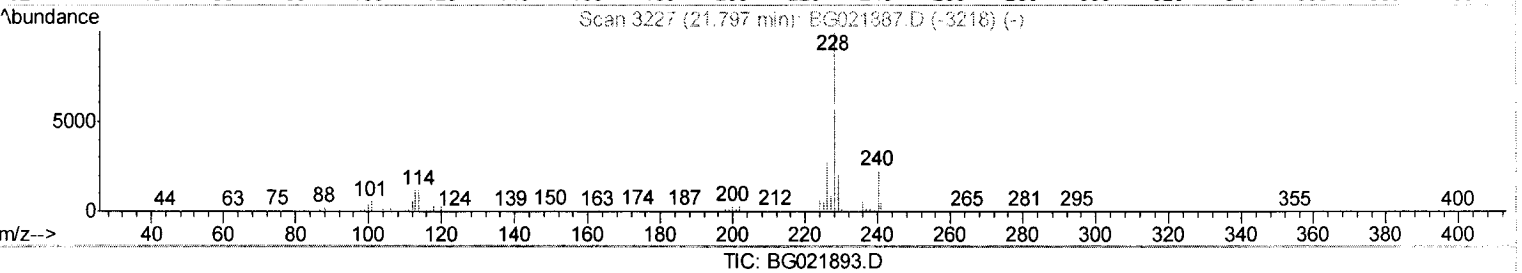
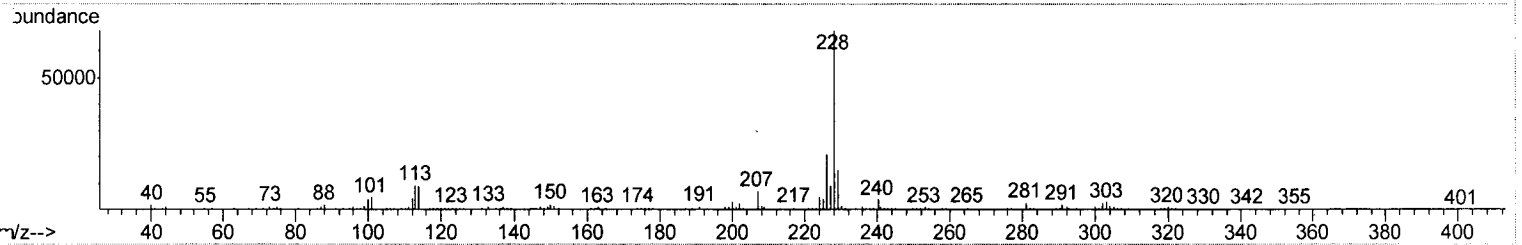
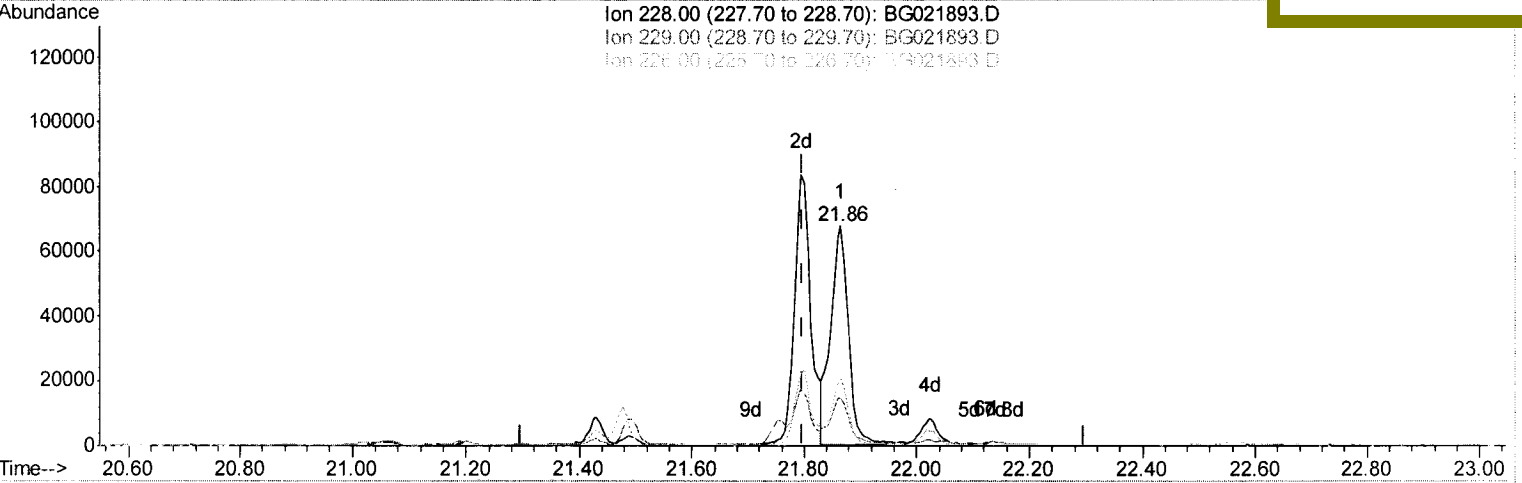
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Quant Time: May 16 02:27:47 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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(81) Benzo(a)anthracene

21.865min (+0.067) 7.77ng/ul

response 148532

Ion	Exp%	Act%
228.00	100	100
229.00	20.80	21.92
226.00	26.20	30.87
0.00	0.00	0.00

Quantitation Report (Qedit)

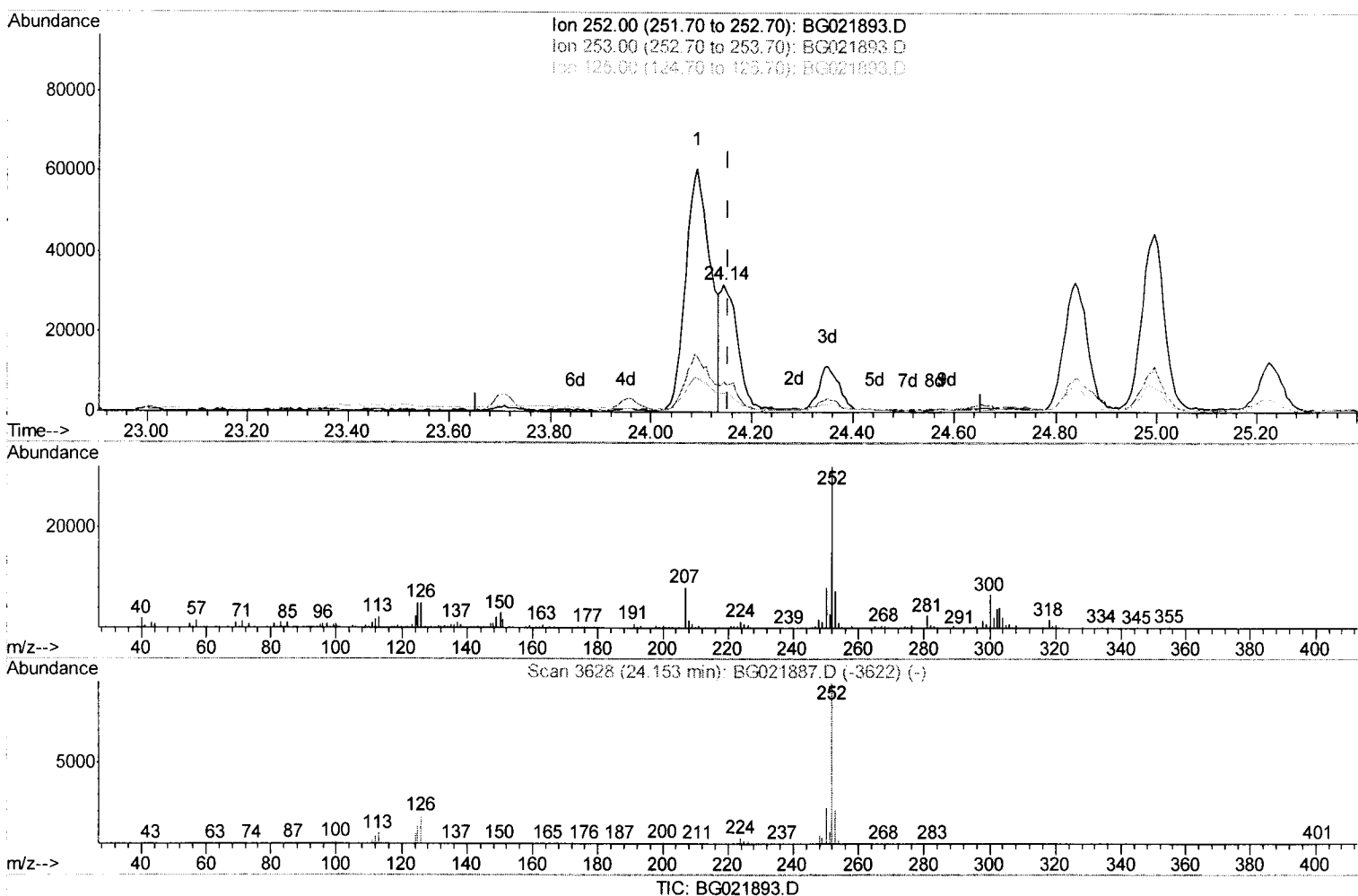
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Manual Integrations
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Quant Time: May 16 02:27:47 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



(87) Benzo(k)fluoranthene

24.144min (-0.009) 3.70ng/ul m

response 77212

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	23.65
125.00	9.60	15.85#
0.00	0.00	0.00

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Quantitation Report (Qedit)

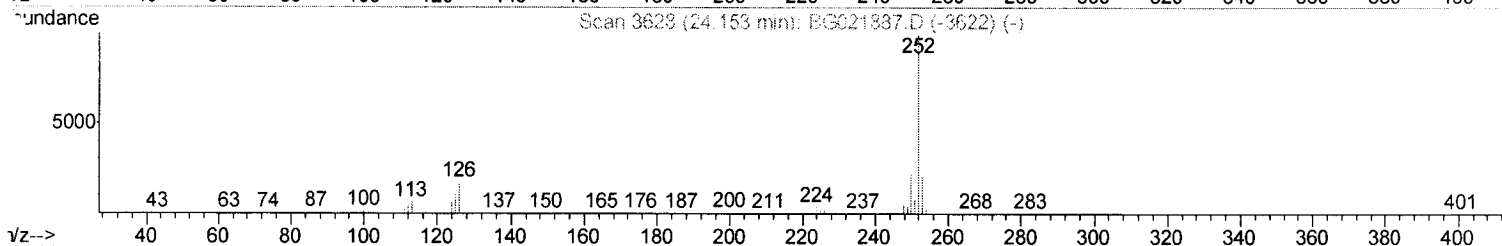
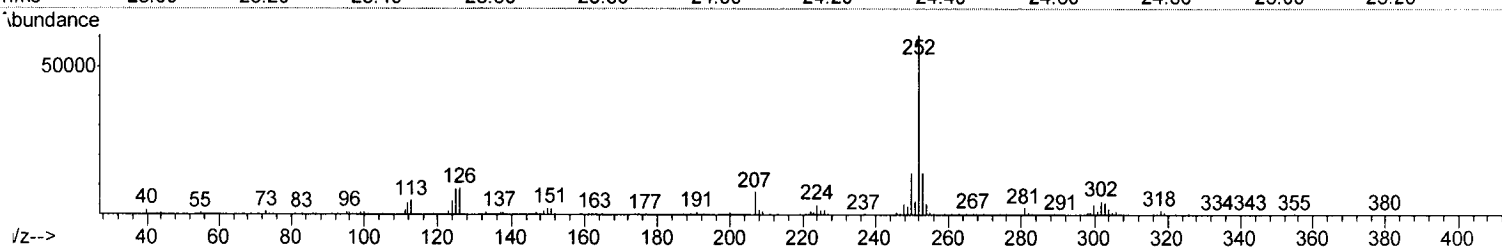
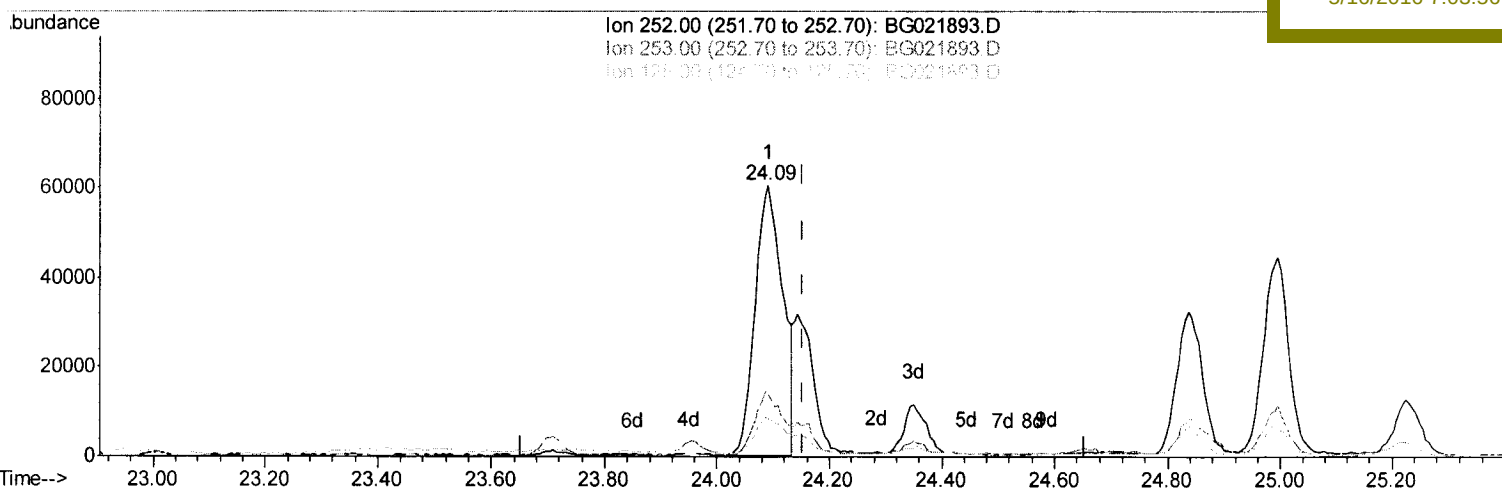
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021893.D
Acq On : 15 May 2016 14:55
Operator : UM/SJ
Sample : H3096-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG0

Quant Time: May 16 02:27:47 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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TIC: BG021893.D

(87) Benzo(k)fluoranthene

24.091min (-0.062) 9.94ng/ul

response 207095

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	23.23
125.00	9.60	14.30#
0.00	0.00	0.00

Quantitation Report (Qedit)

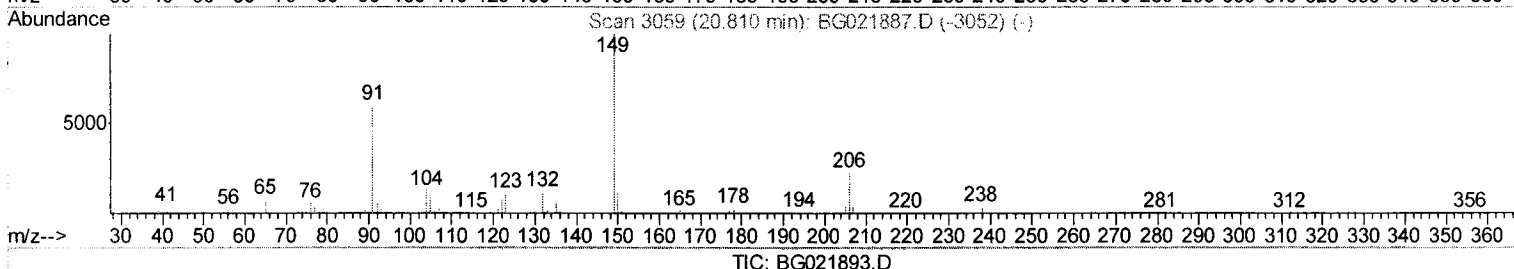
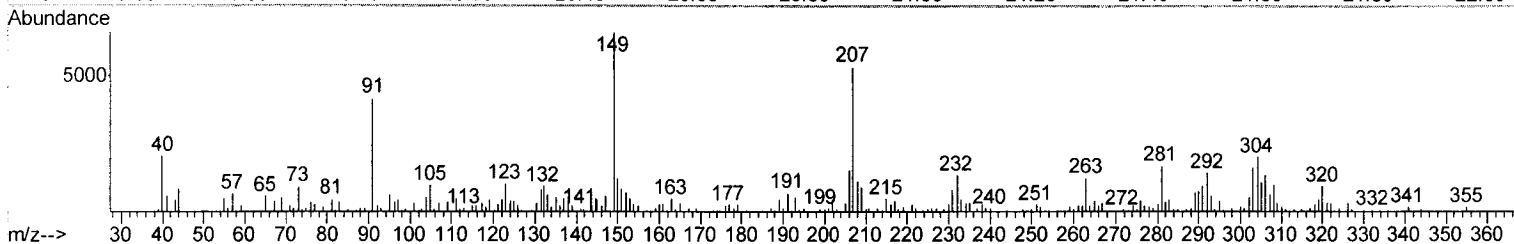
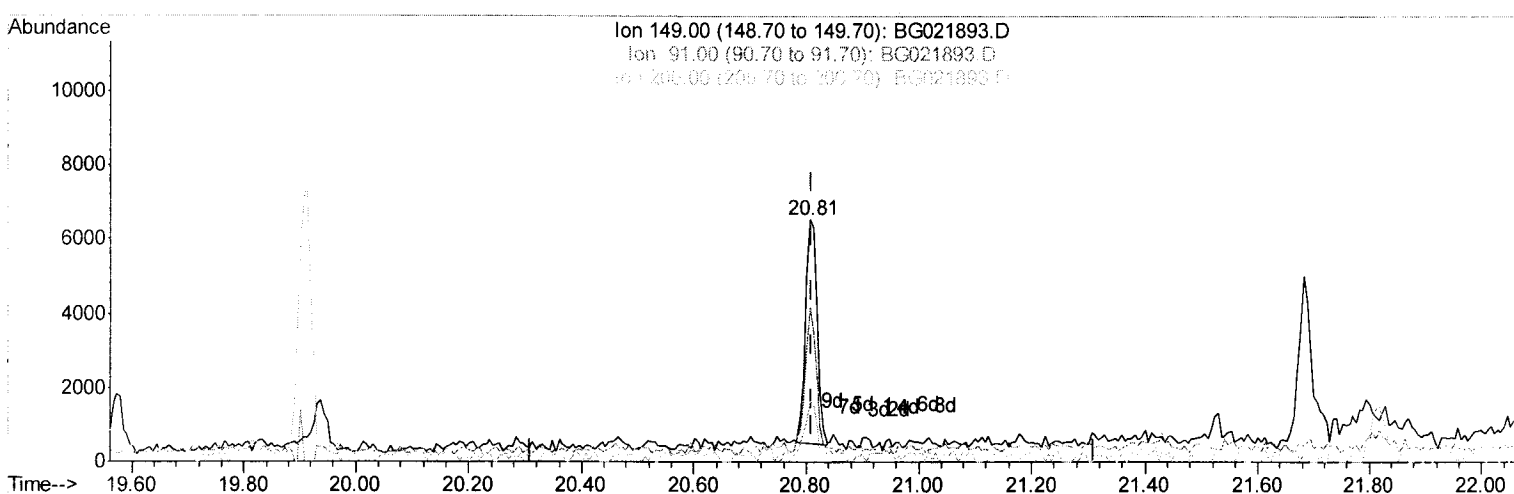
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Manual Integrations
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Quant Time: May 16 02:29:07 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



(79) Butylbenzylphthalate

20.807min (-0.003) 1.91ng/ul m U.M
05/17/16

response 8399

Ion	Exp%	Act%
149.00	100	100
91.00	82.30	63.96#
206.00	19.40	25.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

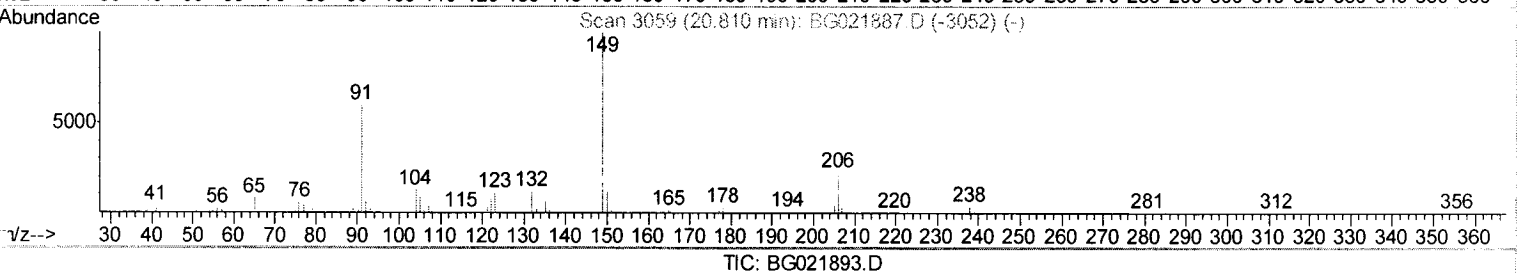
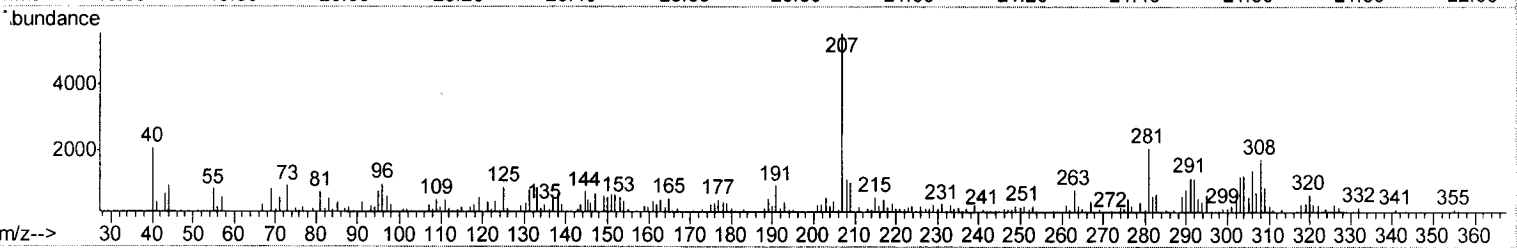
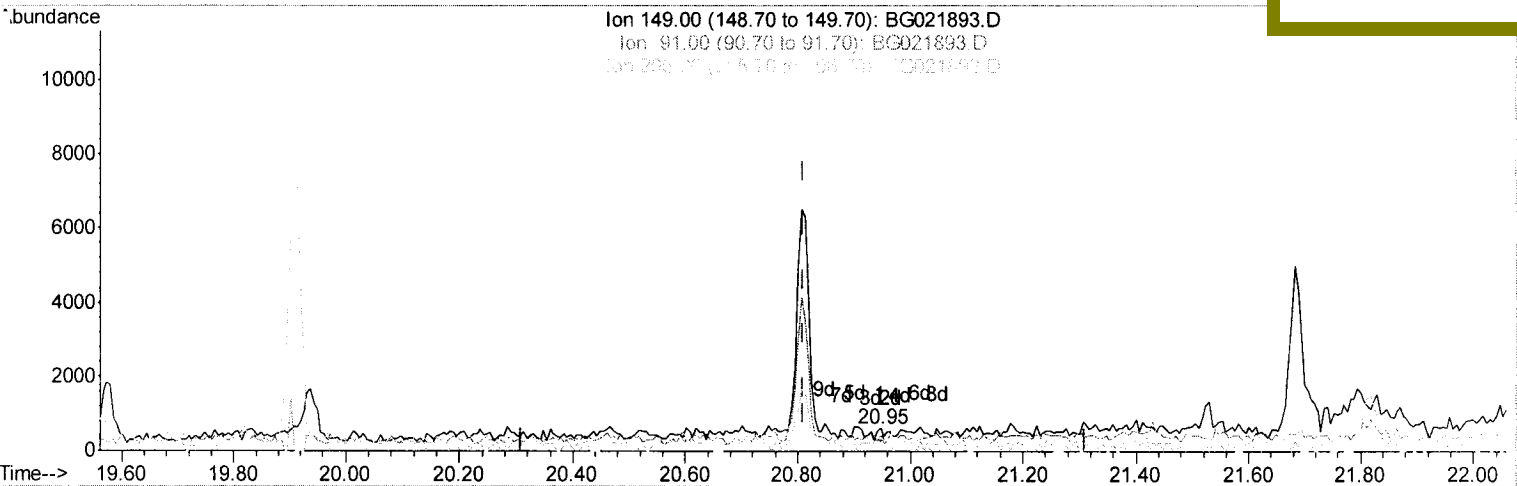
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021893.D
Acq On : 15 May 2016 14:55
Operator : UM/SJ
Sample : H3096-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG0

Quant Time: May 16 02:29:07 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

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(79) Butylbenzylphthalate

20.948min (+0.138) 0.06ng/ul

response 244

Ion	Exp%	Act%
149.00	100	100
91.00	82.30	70.16
206.00	19.40	37.94#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021893.D
 Acq On : 15 May 2016 14:55
 Operator : UM/SJ
 Sample : H3096-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG0

Quant Time: May 16 02:30:14 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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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	42810	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	227685	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	144757	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	339631m	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	343674m	20.00	ng/ul	0.00
84) Perylene-d12	25.15	264	340110	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	3577	4.03	ng/uL	0.00
5) Phenol-d5	7.31	99	66611	20.97	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.48	67	35278	22.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	65729	26.66	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	44808	16.79	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	35530	23.74	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	38869	41.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	70051	26.20	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	84706m	29.41	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	268926	26.45	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	358024	24.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.98	143	34475m	19.78	ng/ul	0.00
58) Fluorene-d10	15.78	176	254124	23.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	31001m	32.95	ng/ul	0.00
71) Anthracene-d10	17.63	188	390461m	23.62	ng/ul	0.00
77) Pyrene-d10	19.91	212	415505	25.83	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.92	264	390167	24.14	ng/ul	0.00

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Target Compounds

						Ovalue
45) Dimethylphthalate	14.23	163	100446	9.70	ng/ul	97
70) Phenanthrene	17.58	178	187246m	10.08	ng/ul	
72) Anthracene	17.66	178	39712	2.11	ng/ul	97
73) Carbazole	17.94	167	23752	1.45	ng/ul	96
75) Fluoranthene	19.57	202	343587m	16.29	ng/ul	
78) Pyrene	19.94	202	274959m	13.83	ng/ul	
79) Butylbenzylphthalate	20.81	149	8399m	1.91	ng/ul	
81) Benzo(a)anthracene	21.79	228	171940m	8.99	ng/ul	
83) Chrysene	21.86	228	148743	7.86	ng/ul	97
86) Benzo(b)fluoranthene	24.09	252	207095	10.64	ng/ul#	95
87) Benzo(k)fluoranthene	24.14	252	77212m	3.70	ng/ul	
89) Benzo(a)pyrene	25.00	252	140359	7.24	ng/ul#	91
90) Indeno(1,2,3-cd)pyrene	28.95	276	99769	4.34	ng/ul#	94
92) Benzo(g,h,i)perylene	30.15	276	88622	4.68	ng/ul#	92

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