

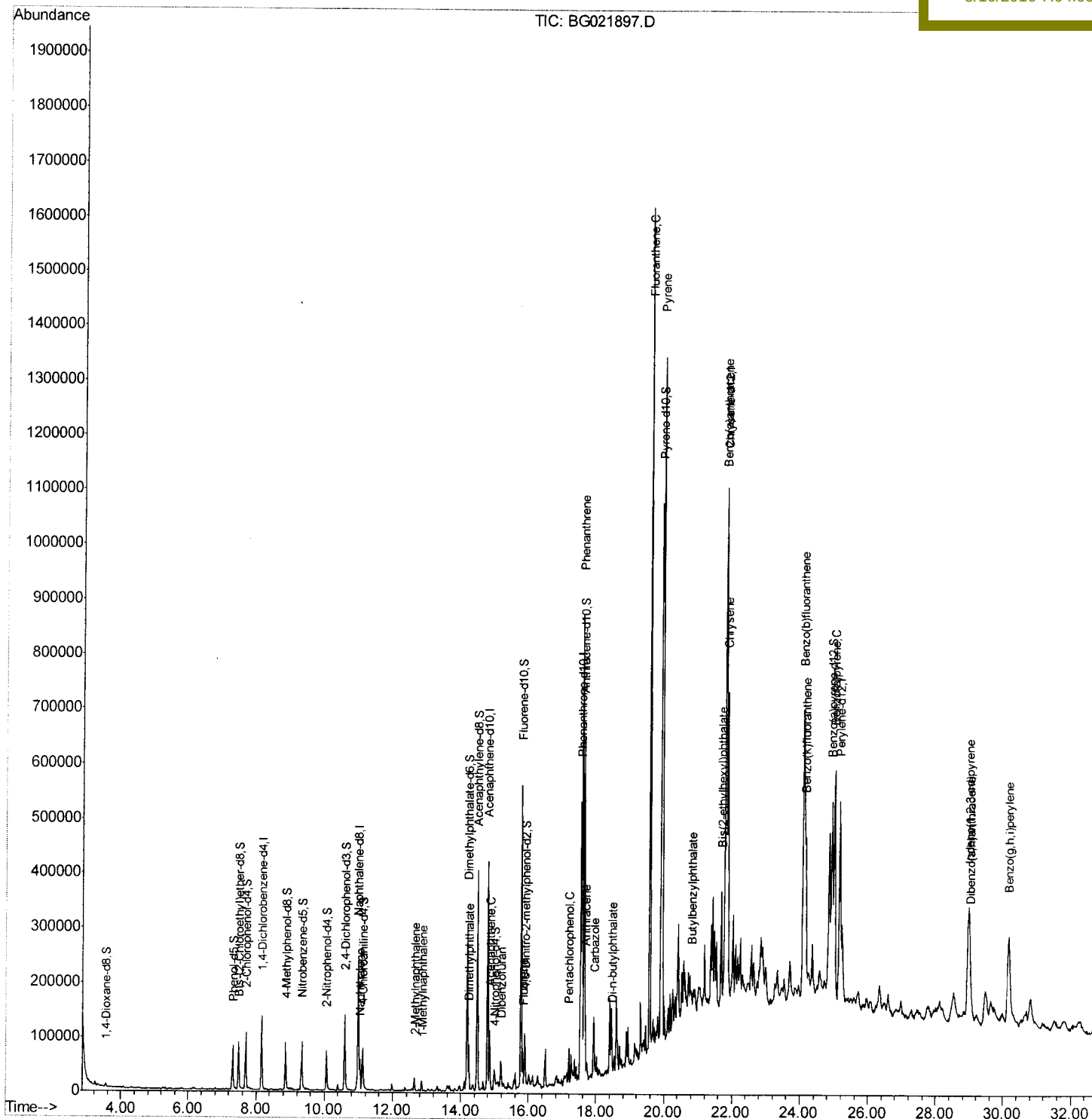
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021897.D
Acq On : 15 May 2016 17:35
Operator : UM/SJ
Sample : H3096-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
D9XG4

Quant Time: May 16 03:41:13 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
APPROVED

sohil
5/16/2016 7:04:09 PM



Quantitation Report (Qedit)

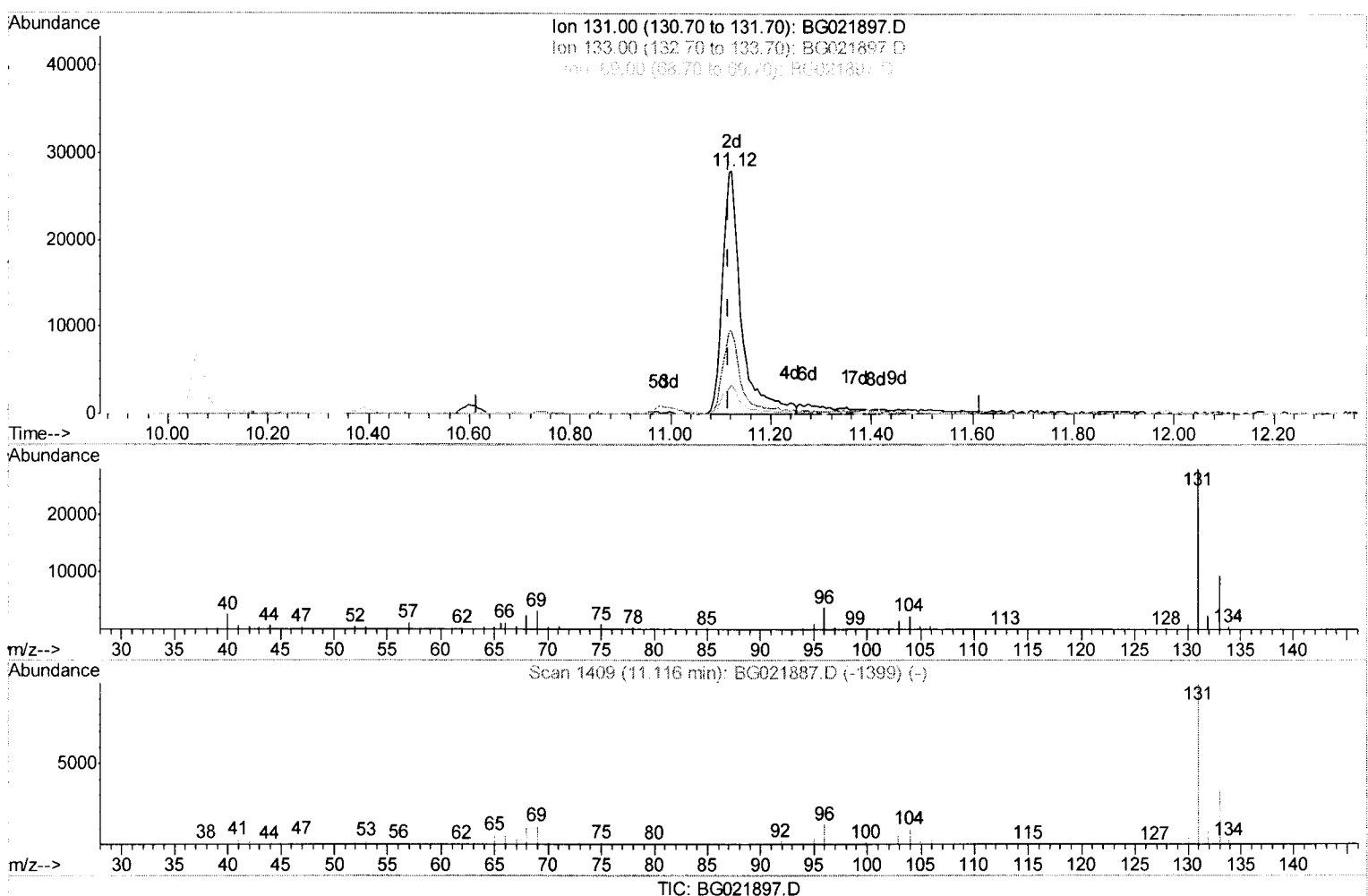
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Manual Integrations
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Quant Time: May 16 01:29:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
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(29) 4-Chloroaniline-d4 (S)

11.122min (+0.006) 20.96ng/ul m

response 72850

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	34.04
69.00	23.00	11.88#
0.00	0.00	0.00

U.M
 05/17/16

Quantitation Report (Qedit)

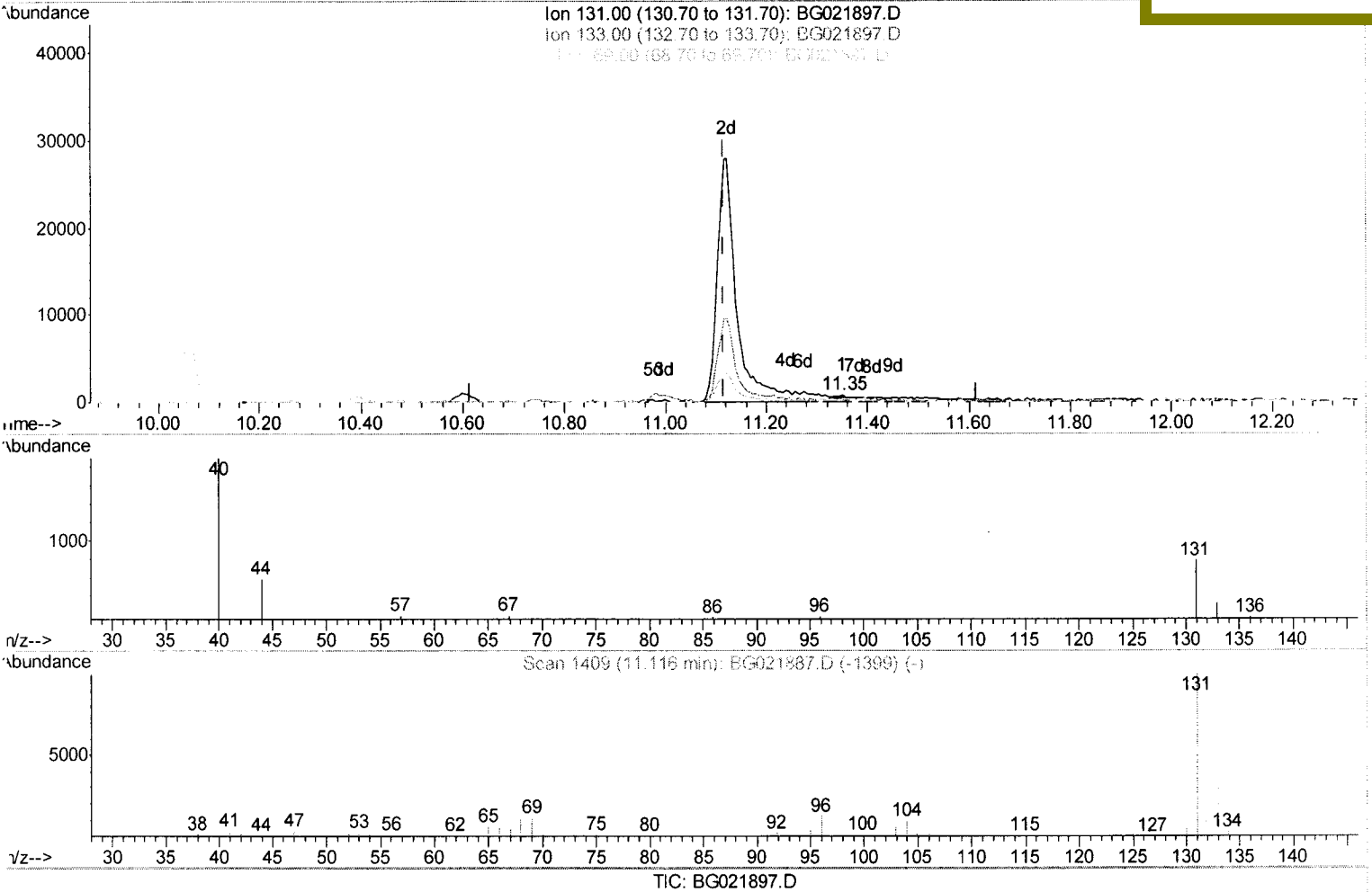
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 D9XG4

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Manual Integrations
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(29) 4-Chloroaniline-d4 (S)

11.351min (+0.235) 0.10ng/ul

response 361

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	40.64
69.00	23.00	21.53
0.00	0.00	0.00

Quantitation Report (Qedit)

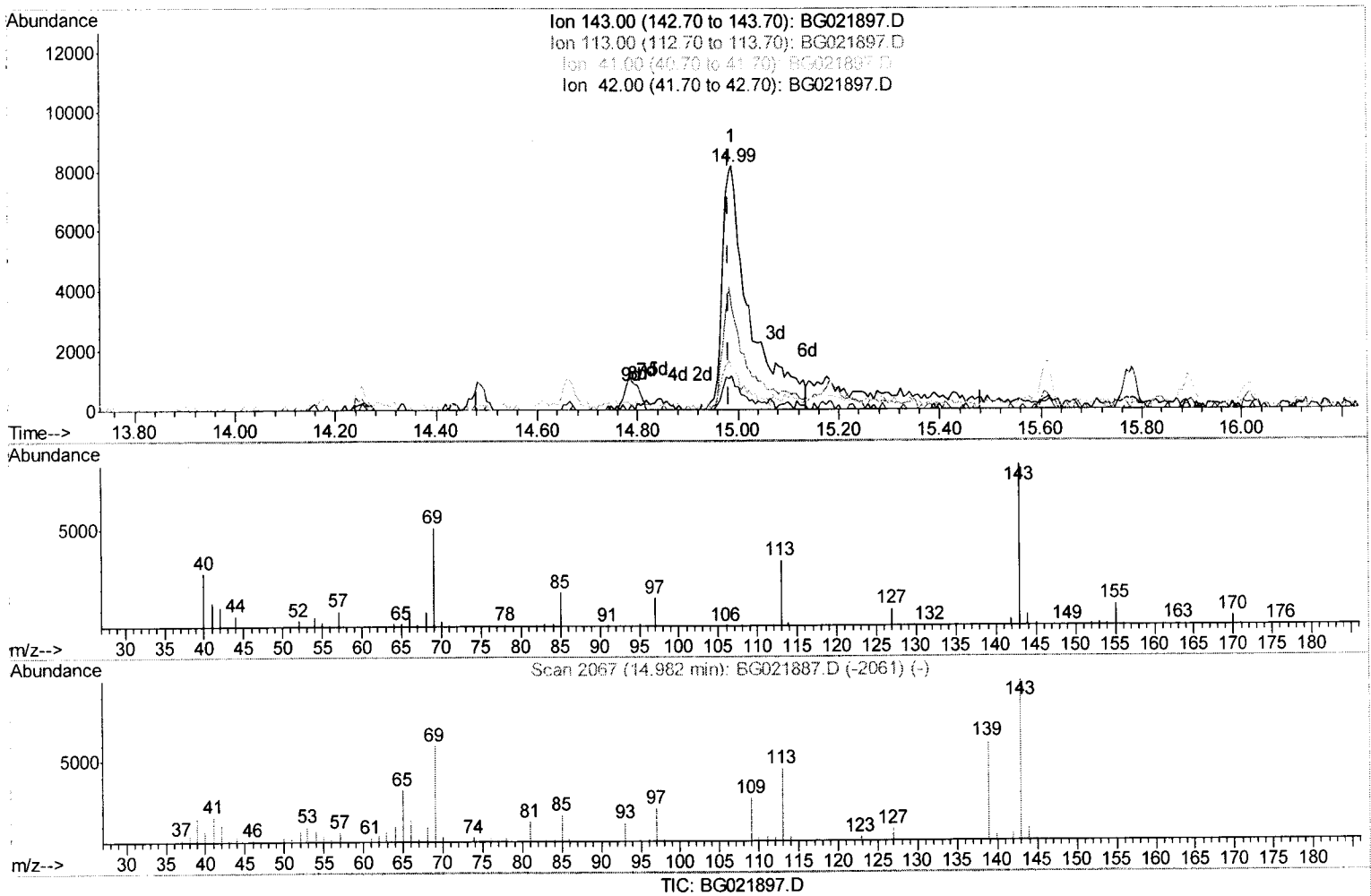
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sample Id :
 D9XG4

Manual Integrations
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Quant Time: May 16 01:29:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
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 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration



(52) 4-Nitrophenol-d4 (S)

14.988min (+0.006) 15.35ng/ul m UM

response 31197

05/17/16

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	41.65#
41.00	49.70	16.94#
42.00	33.70	14.14#

Quantitation Report (Qedit)

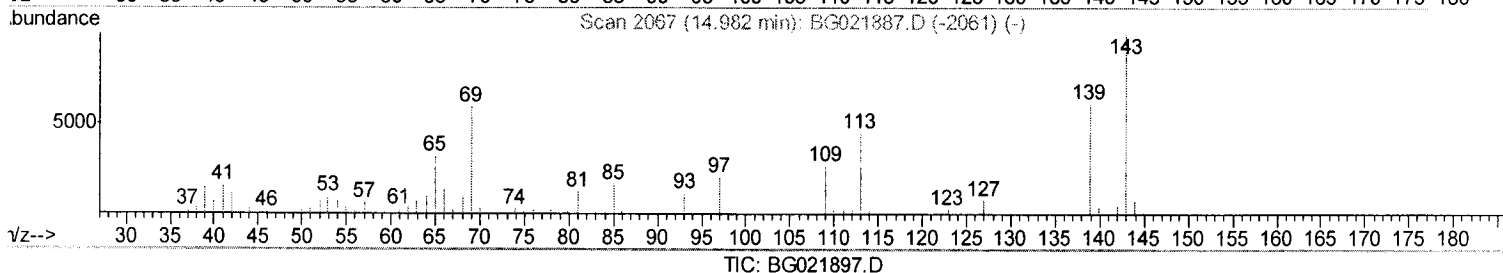
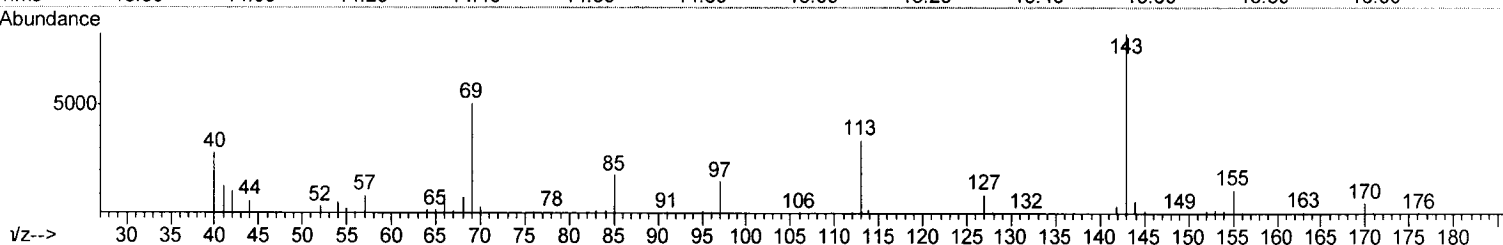
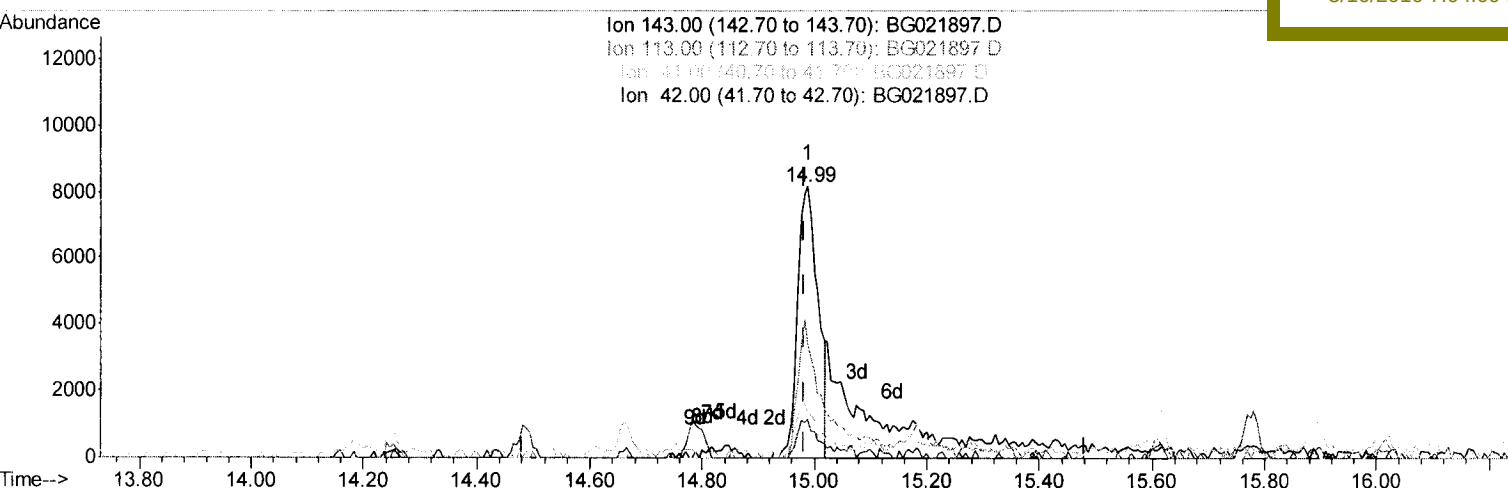
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Quant Time: May 16 01:29:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
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Manual Integrations
 APPROVED

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(52) 4-Nitrophenol-d4 (S)

14.988min (+0.006) 9.93ng/ul

response 20186

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	41.65#
41.00	49.70	16.94#
42.00	33.70	14.14#

Quantitation Report (Qedit)

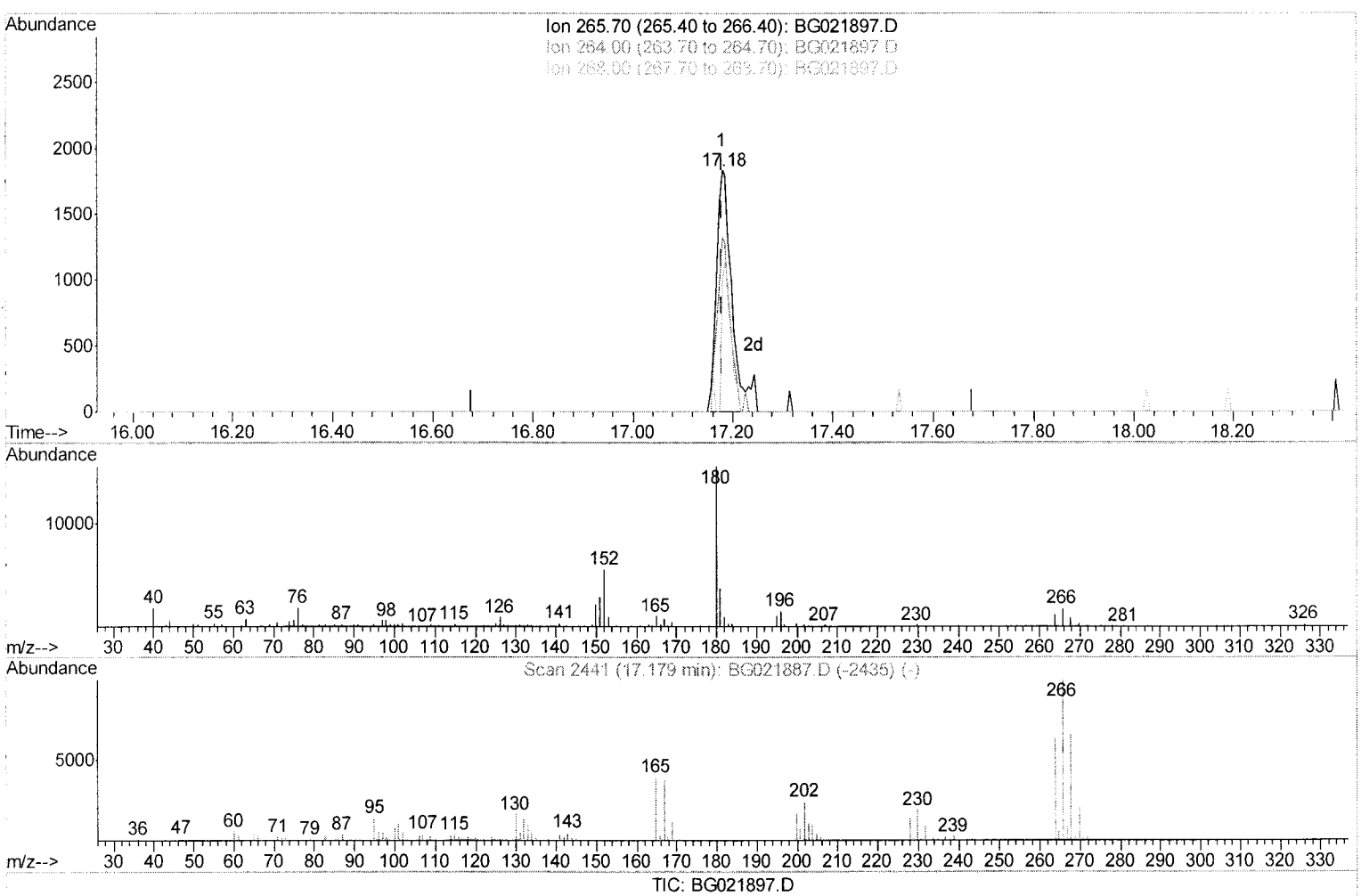
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Manual Integrations
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Quant Time: May 16 01:29:47 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



(69) Pentachlorophenol (C)

17.179min (+0.000) 2.26ng/ul m U.M
05/17/16

response 3935

Ion	Exp%	Act%
265.70	100	100
264.00	70.90	72.08
268.00	63.30	54.31
0.00	0.00	0.00

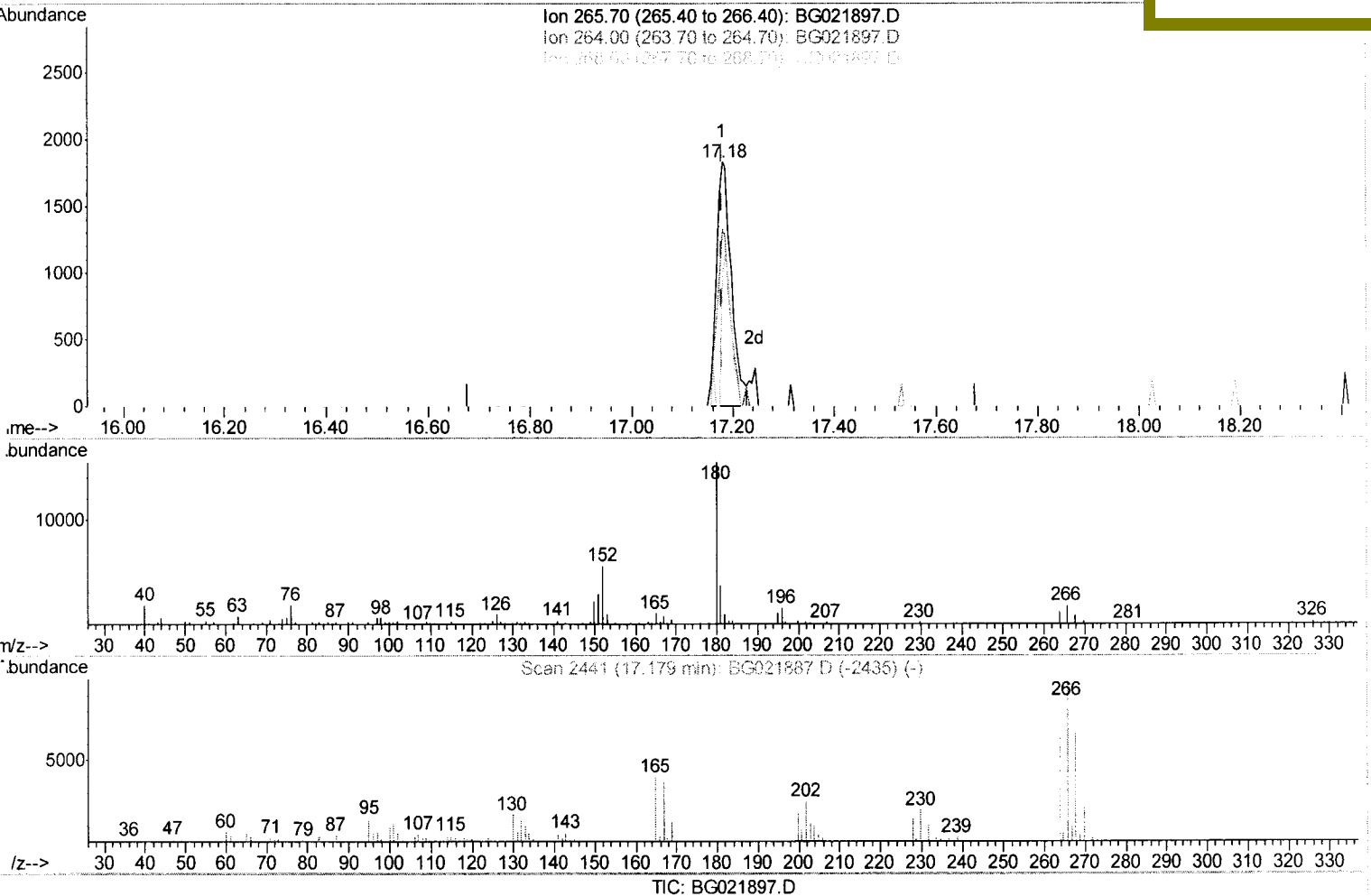
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021897.D
Acq On : 15 May 2016 17:35
Operator : UM/SJ
Sample : H3096-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG4

Manual Integrations
APPROVED

sohil
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Quant Time: May 16 01:29:47 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



(69) Pentachlorophenol (C)

17.179min (+0.000) 2.13ng/ul

response 3708

Ion	Exp%	Act%
265.70	100	100
264.00	70.90	72.08
268.00	63.30	54.31
0.00	0.00	0.00

Quantitation Report (Qedit)

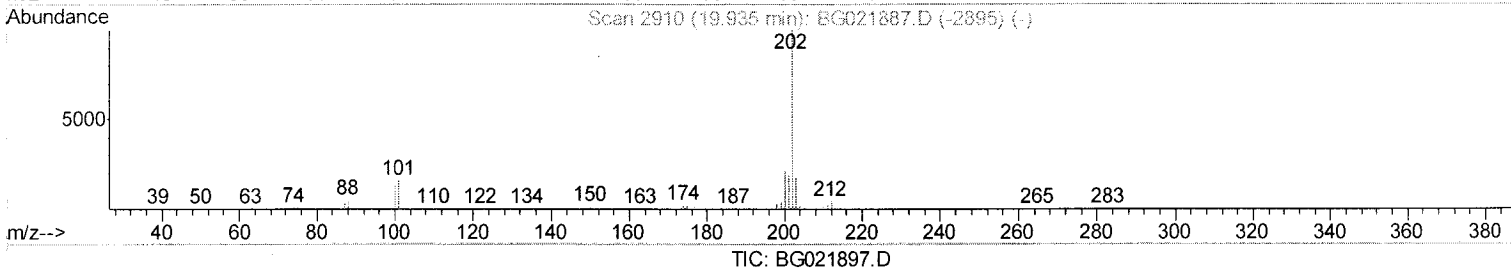
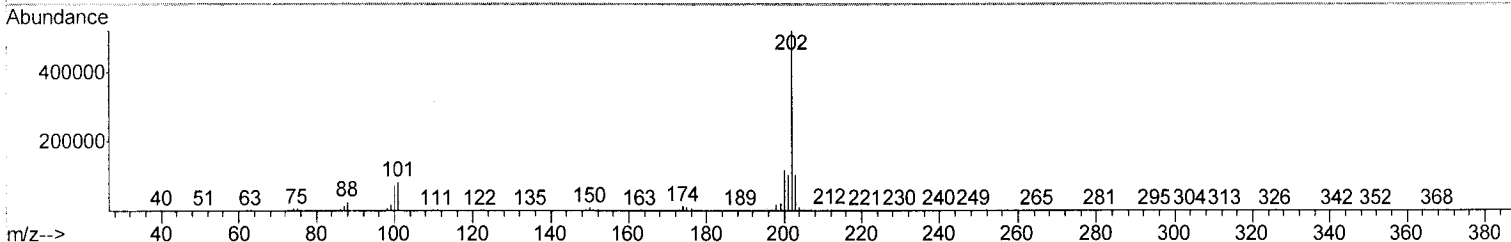
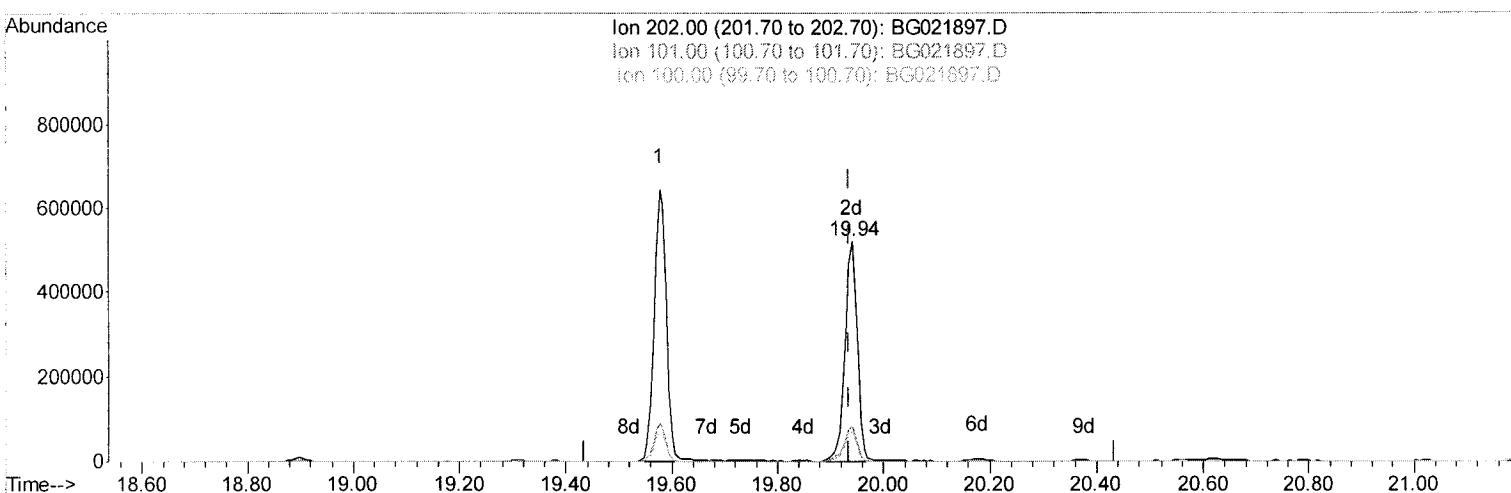
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Manual Integrations
 APPROVED

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Quant Time: May 16 01:29:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
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 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration



TIC: BG021897.D

(78) Pyrene

19.941min (+0.006) 38.46ng/ul m

response 859074

U.M
 05/17/16

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	15.79#
100.00	11.60	13.41
0.00	0.00	0.00

Quantitation Report (Qedit)

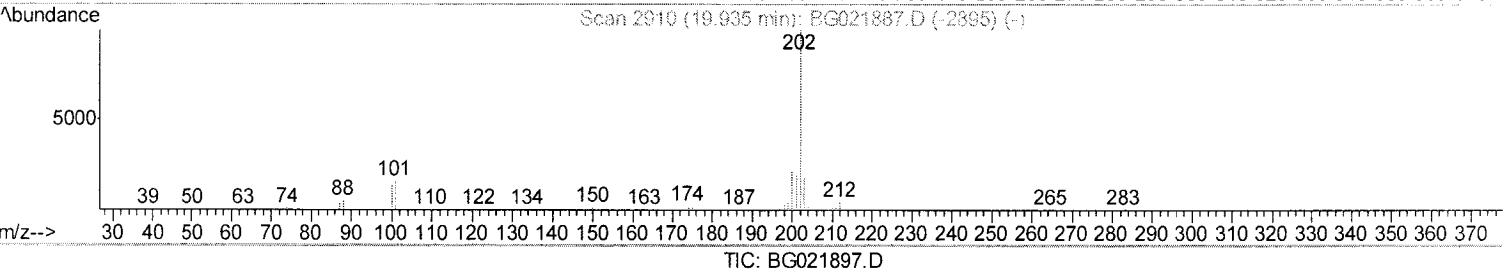
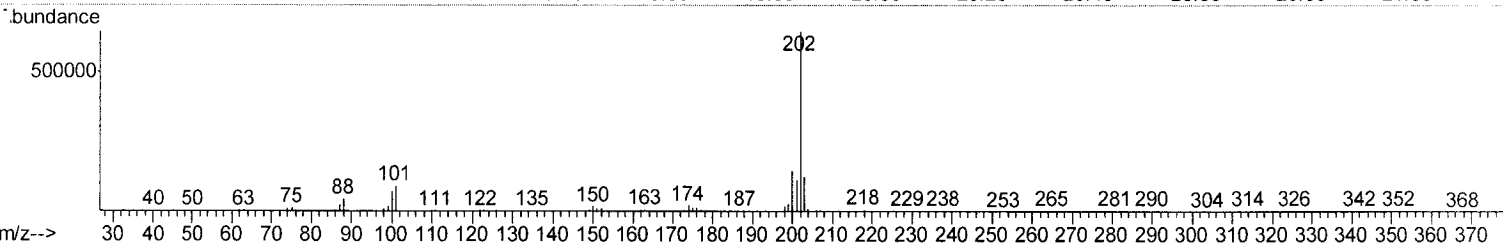
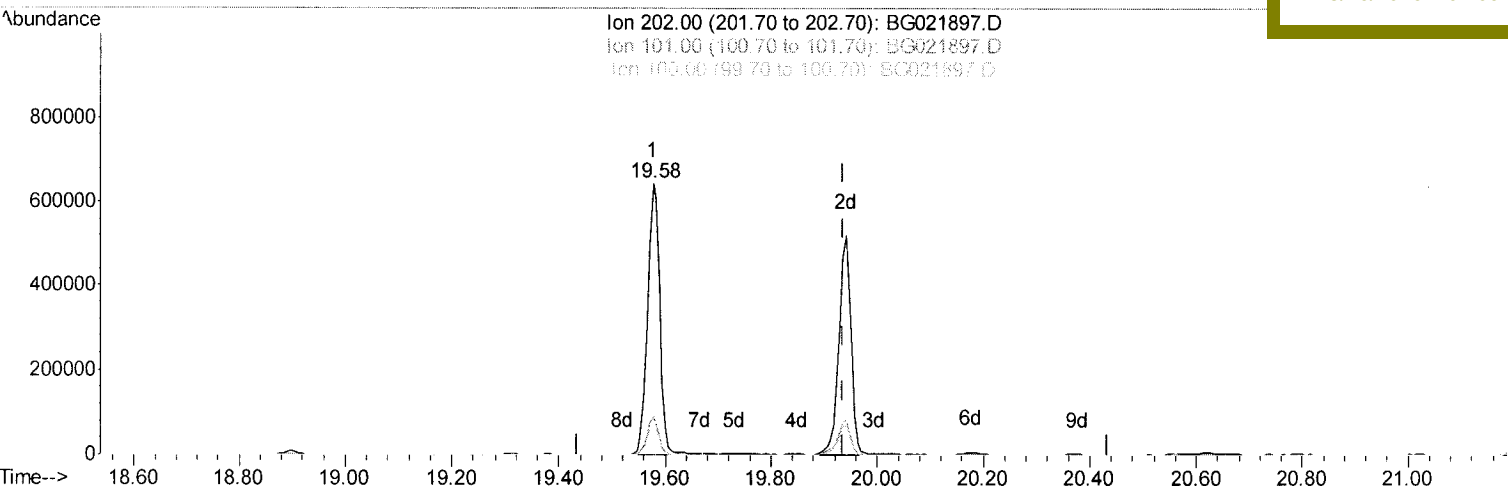
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Quant Time: May 16 01:29:47 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

19.577min (-0.358) 45.46ng/ul

response 1015343

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.90
100.00	11.60	11.22
0.00	0.00	0.00

Quantitation Report (Qedit)

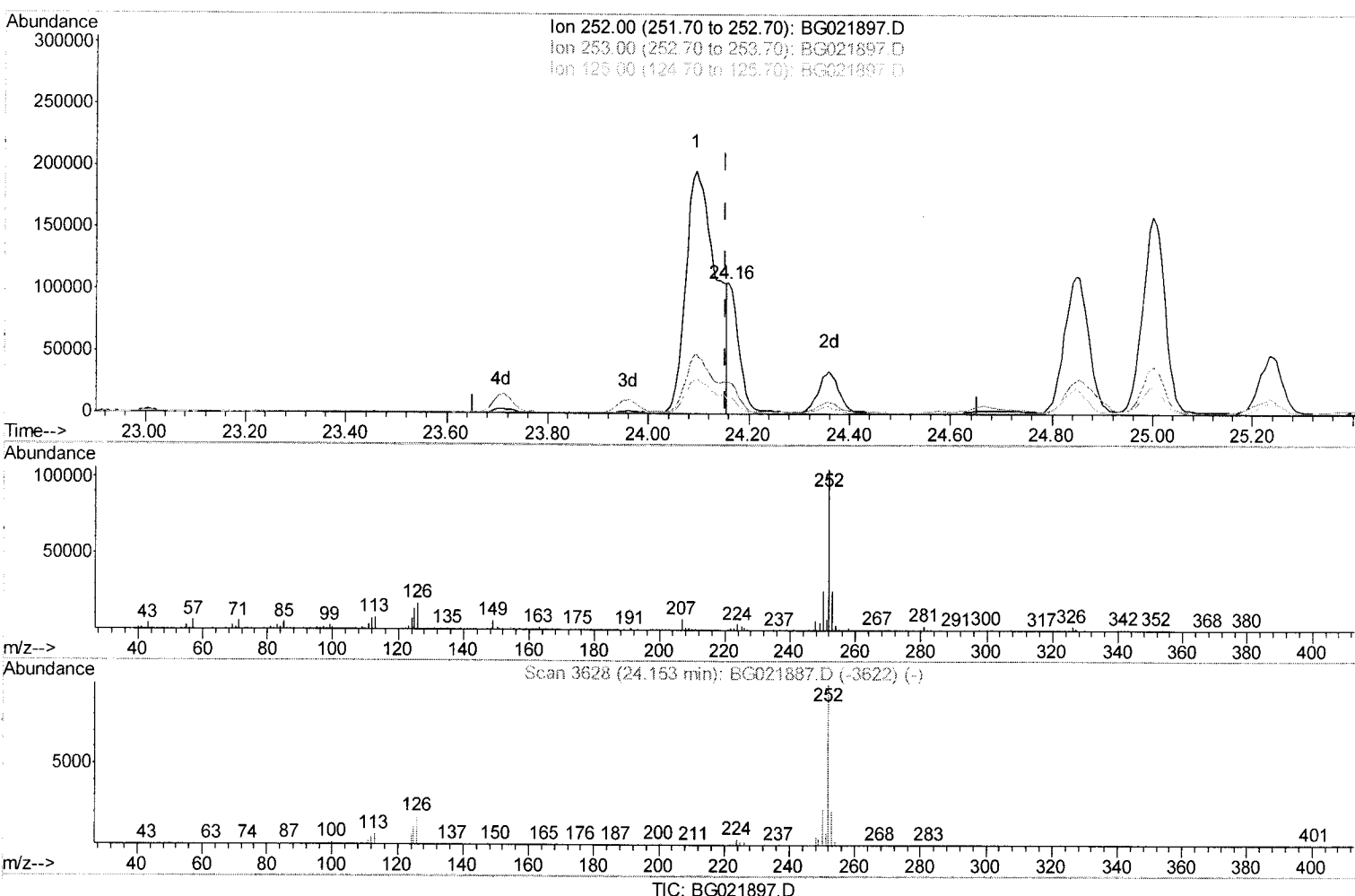
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Manual Integrations
 APPROVED

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Quant Time: May 16 01:29:47 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

24.159min (+0.006) 7.08ng/ul m. *U.M*
 response 167195 *05/17/16*

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	24.75
125.00	9.60	13.06#
0.00	0.00	0.00

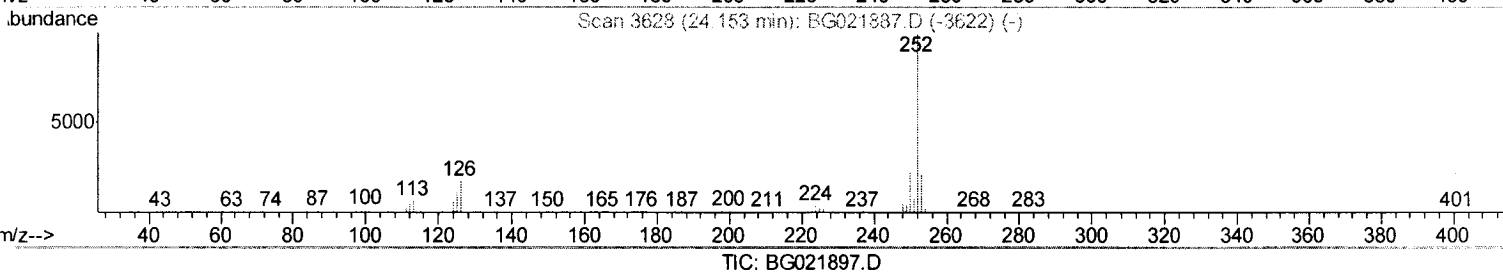
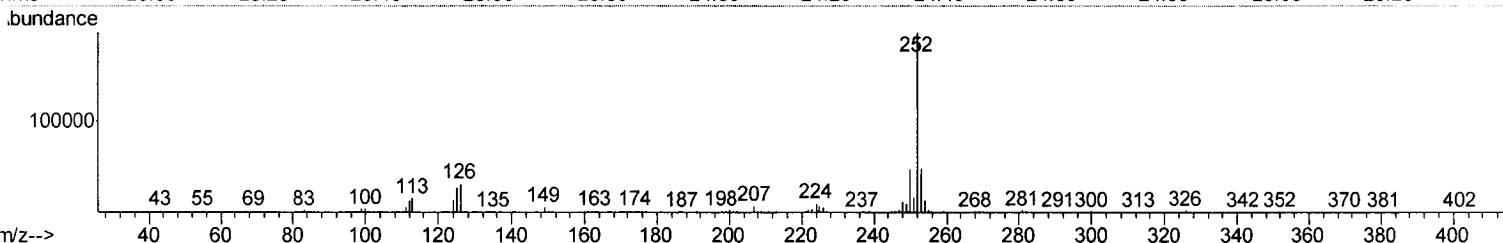
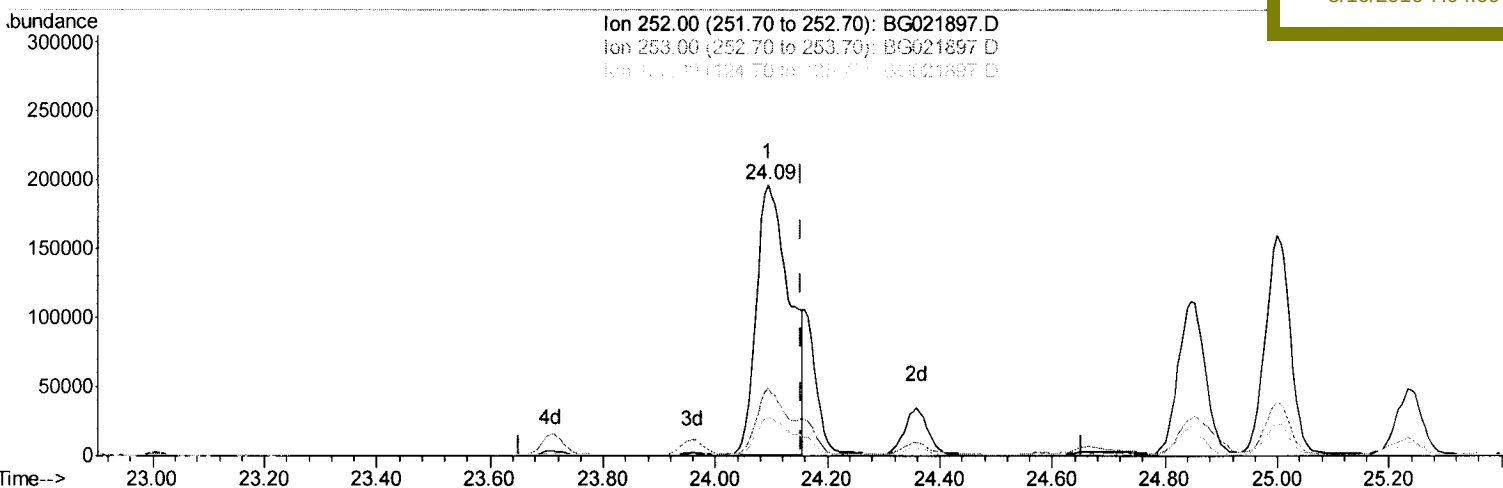
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021897.D
Acq On : 15 May 2016 17:35
Operator : UM/SJ
Sample : H3096-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG4

Quant Time: May 16 01:29:47 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
APPROVED

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TIC: BG021897.D

(87) Benzo(k)fluoranthene

24.095min (-0.058) 34.06ng/ul

response 804413

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	24.82
125.00	9.60	14.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

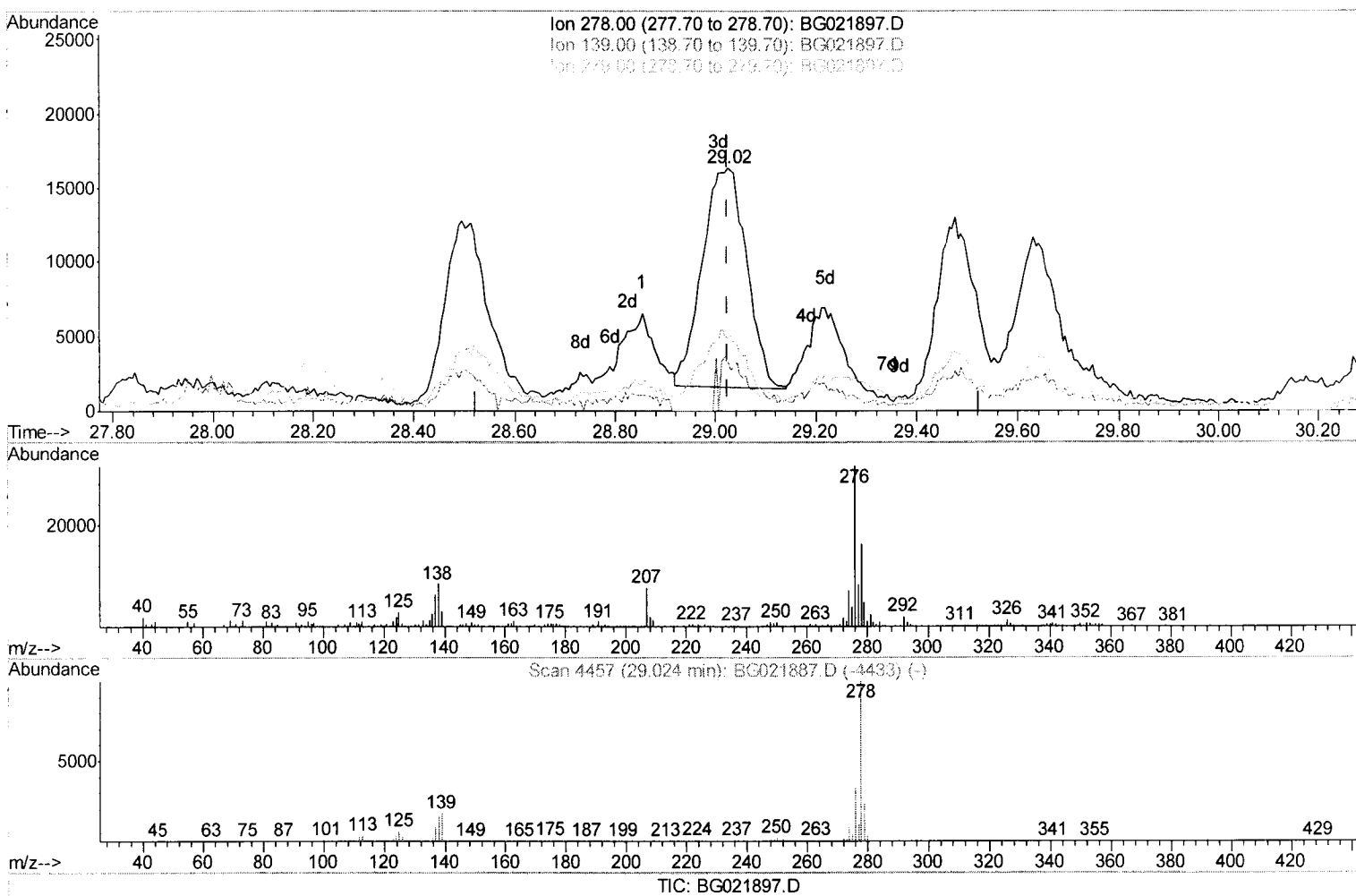
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Manual Integrations
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Quant Time: May 16 01:29:47 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration



(91) Dibenzo(a,h)anthracene

29.024min (+0.000) 4.15ng/ul m

response 89961

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	19.82#
279.00	24.80	30.08#
0.00	0.00	0.00

U.M
 05/17/16

Quantitation Report (Qedit)

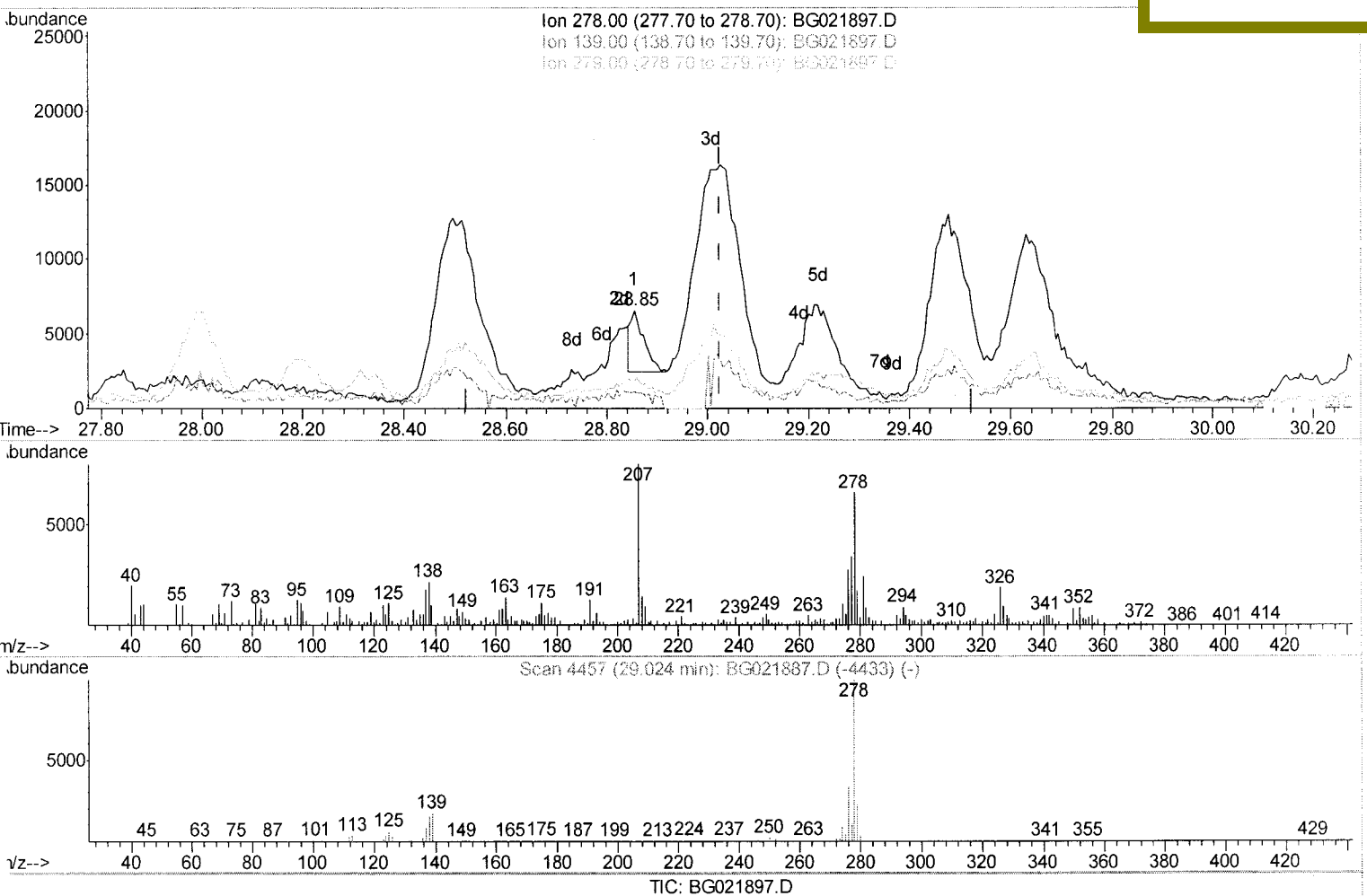
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021897.D
Acq On : 15 May 2016 17:35
Operator : UM/SJ
Sample : H3096-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG4

Manual Integrations
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Quant Time: May 16 01:29:47 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



(91) Dibenzo(a,h)anthracene

28.854min (-0.170) 0.35ng/ul

response 7539

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	17.15
279.00	24.80	27.65
0.00	0.00	0.00

Quantitation Report (Qedit)

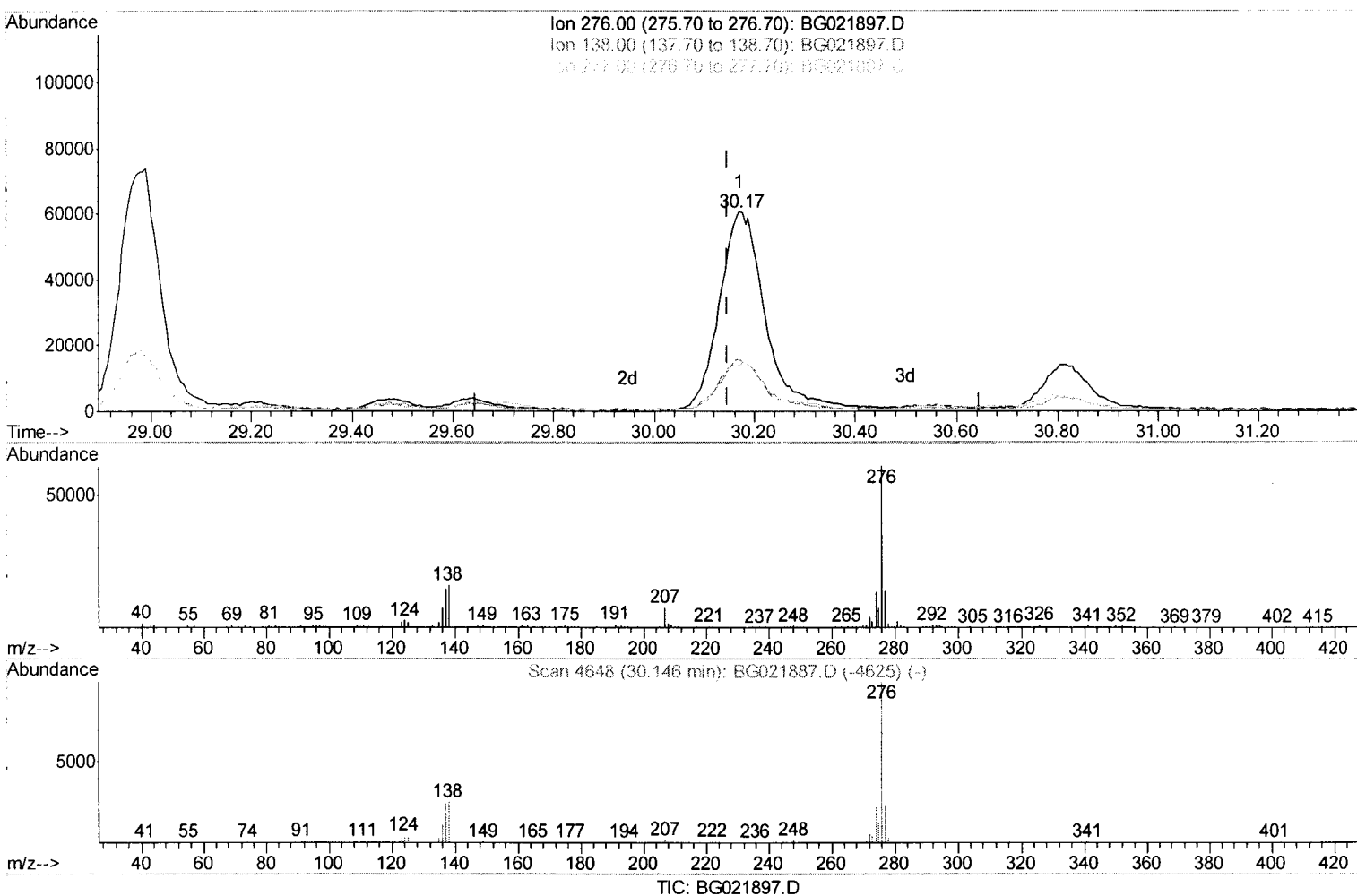
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Manual Integrations
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 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
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 QLast Update : Mon May 16 01:27:47 2016
 Response via : Initial Calibration



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

30.170min (+0.024) 18.21ng/ul m U.M

response 391282

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	26.25#
277.00	24.70	22.81
0.00	0.00	0.00

05/17/16

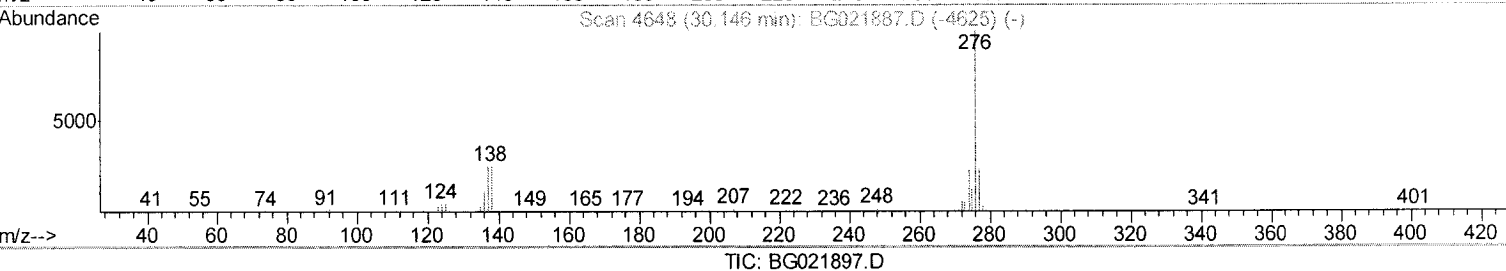
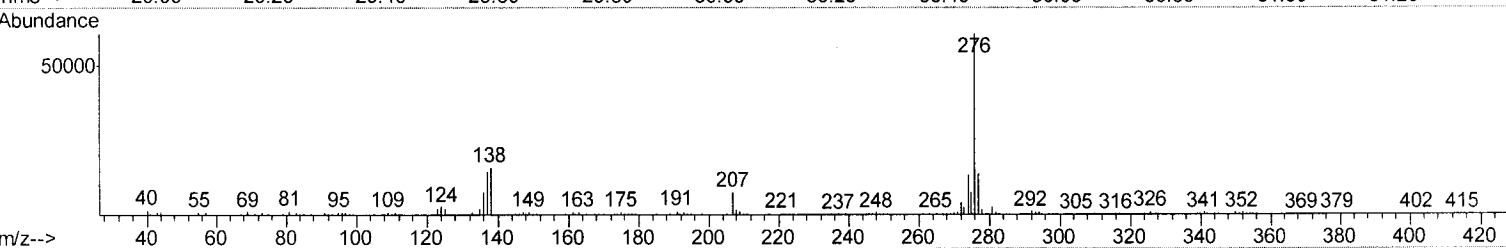
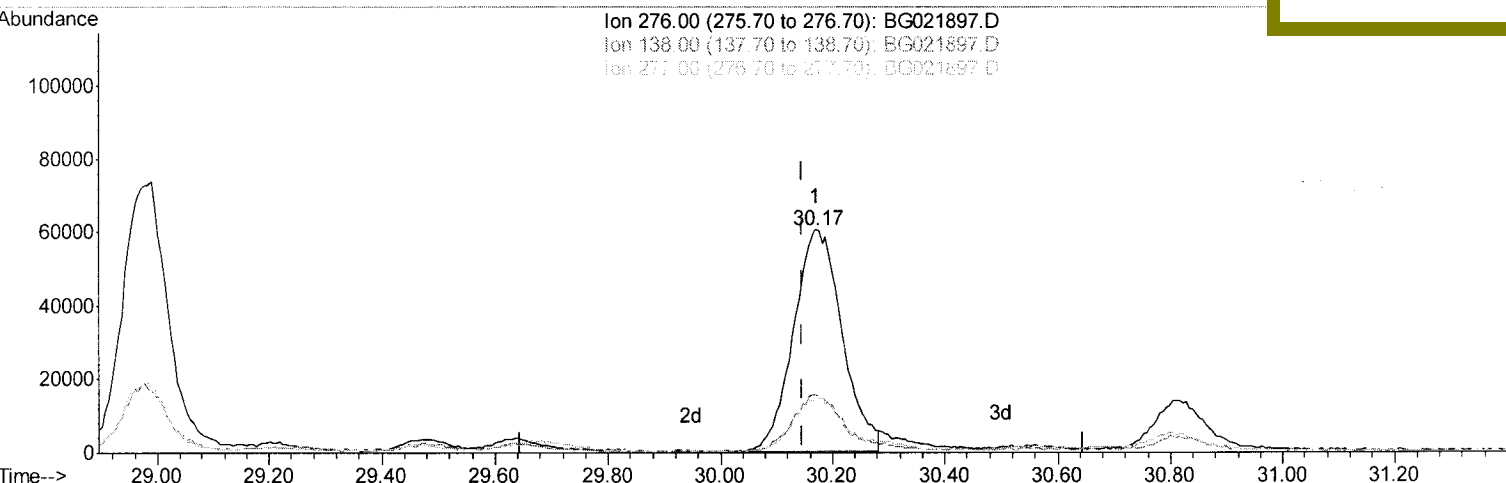
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
Data File : BG021897.D
Acq On : 15 May 2016 17:35
Operator : UM/SJ
Sample : H3096-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XG4

Quant Time: May 16 01:29:47 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION
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Manual Integrations
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(92) Benzo(g,h,i)perylene

30.170min (+0.024) 16.82ng/ui

response 361233

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	26.25#
277.00	24.70	22.81
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Quant Time: May 16 03:41:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG050916.M
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	56631	20.00	ng/ul	0.00
18) Naphthalene-d8	10.99	136	274779	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.79	164	168834	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.53	188	378529	20.00	ng/ul	0.00
76) Chrysene-d12	21.82	240	386032	20.00	ng/ul	0.00
84) Perylene-d12	25.16	264	385417	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	4324	3.69	ng/uL	0.00
5) Phenol-d5	7.31	99	78029	18.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	44208	21.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.70	132	81675	25.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.87	113	51164	14.50	ng/ul	0.00
19) Nitrobenzene-d5	9.34	128	42862	23.73	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	46342	40.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	80784	25.04	ng/ul	0.00
29) 4-Chloroaniline-d4	11.12	131	72850m	20.96	ng/ul	0.00
44) Dimethylphthalate-d6	14.19	166	276681	23.33	ng/ul	0.00
47) Acenaphthylene-d8	14.48	160	377374	22.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.99	143	31197m	15.35	ng/ul	0.00
58) Fluorene-d10	15.78	176	269111	21.55	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.89	200	36590	34.90	ng/ul	0.00
71) Anthracene-d10	17.63	188	402270	21.83	ng/ul	0.00
77) Pyrene-d10	19.91	212	435803	24.12	ng/ul	0.00
88) Benzo(a)pyrene-d12	24.93	264	412130	22.51	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	11.03	128	61467	4.46	ng/ul 97
34) 2-Methylnaphthalene	12.63	142	16392	1.62	ng/ul 99
35) 1-Methylnaphthalene	12.85	142	12790	1.27	ng/ul# 98
45) Dimethylphthalate	14.24	163	71502	5.92	ng/ul 99
50) Acenaphthene	14.85	153	55028	4.59	ng/ul 97
54) Dibenzofuran	15.19	168	32924	2.05	ng/ul# 81
59) Fluorene	15.83	166	33872	2.44	ng/ul# 94
69) Pentachlorophenol	17.18	266	3935m	2.26	ng/ul 96
70) Phenanthrene	17.58	178	645767	31.20	ng/ul 96
72) Anthracene	17.67	178	117368	5.58	ng/ul 99
73) Carbazole	17.94	167	99306	5.45	ng/ul# 96
74) Di-n-butylphthalate	18.48	149	17395	1.05	ng/ul# 93
75) Fluoranthene	19.58	202	1015075	43.17	ng/ul# 93
78) Pyrene	19.94	202	859074m	38.46	ng/ul 79
79) Butylbenzylphthalate	20.81	149	12159	2.46	ng/ul# 97
81) Benzo(a)anthracene	21.80	228	472607	22.00	ng/ul 99
82) Bis(2-ethylhexyl)phthalate	21.69	149	104846	13.01	ng/ul 95
83) Chrysene	21.87	228	455174	21.42	ng/ul 93
86) Benzo(b)fluoranthene	24.09	252	804413	36.46	ng/ul# 93
87) Benzo(k)fluoranthene	24.16	252	167195m	7.08	ng/ul 93
89) Benzo(a)pyrene	25.00	252	485175	22.09	ng/ul# 97
90) Indeno(1,2,3-cd)pyrene	28.99	276	391704	15.05	ng/ul 97
91) Dibenzo(a,h)anthracene	29.02	278	89961m	4.15	ng/ul

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051516\
 Data File : BG021897.D
 Acq On : 15 May 2016 17:35
 Operator : UM/SJ
 Sample : H3096-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XG4

Manual Integrations
 APPROVED

sohil
 5/16/2016 7:04:09 PM

Quant Time: May 16 03:41:13 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
92) Benzo(a,h,i)perylene	30.17	276	391282m)	18.21	ng/ul	

U.M
 05/17/16

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