

Quantitation Report (QT Reviewed)

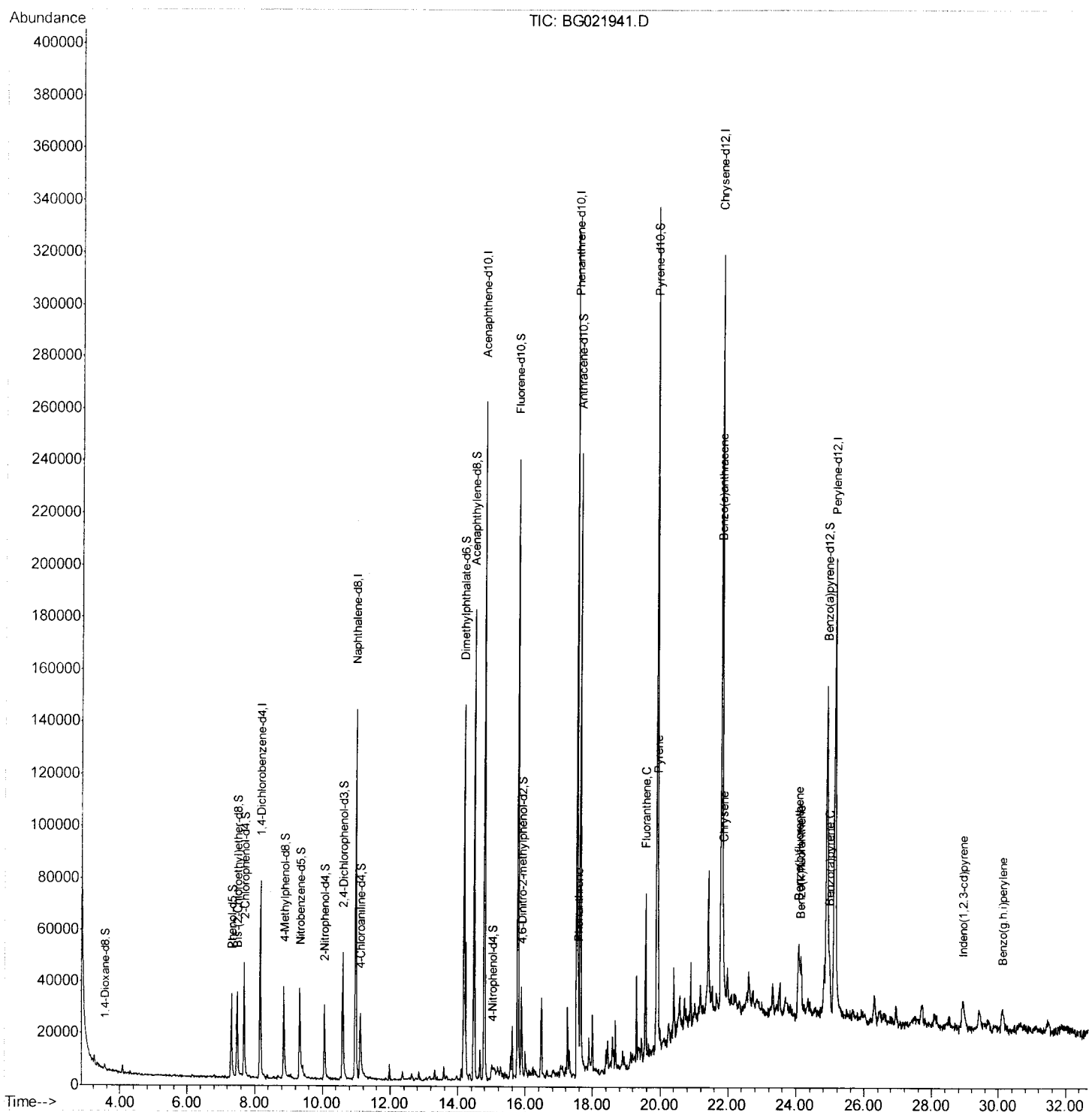
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021941.D
 Acq On : 18 May 2016 20:36
 Operator : UM/SJ
 Sample : H3092-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA G
 Client Sample Id :
 D9XC3

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:09:49 PM

Quant Time: May 19 03:30:54 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration



Quantitation Report (Qedit)

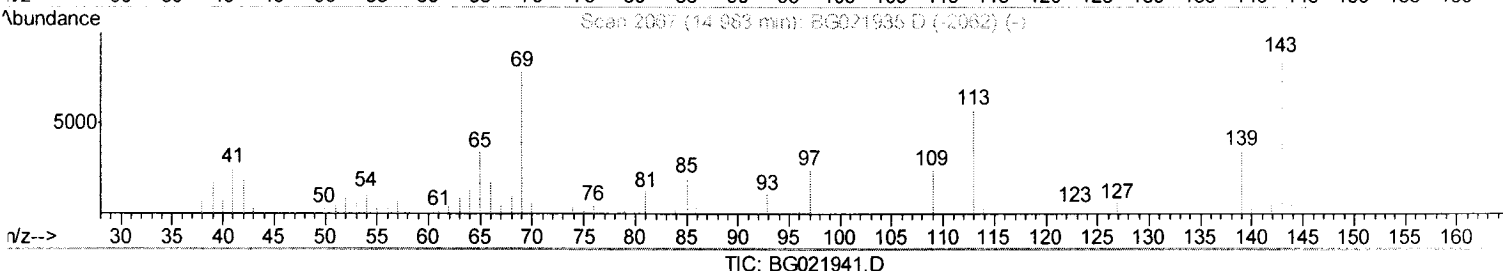
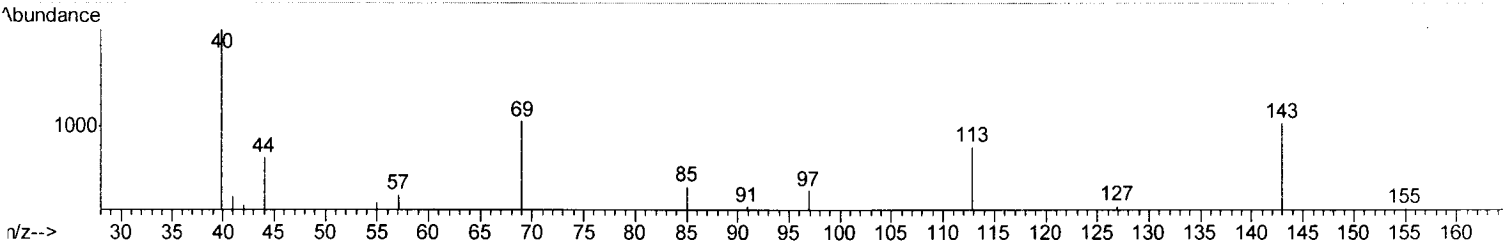
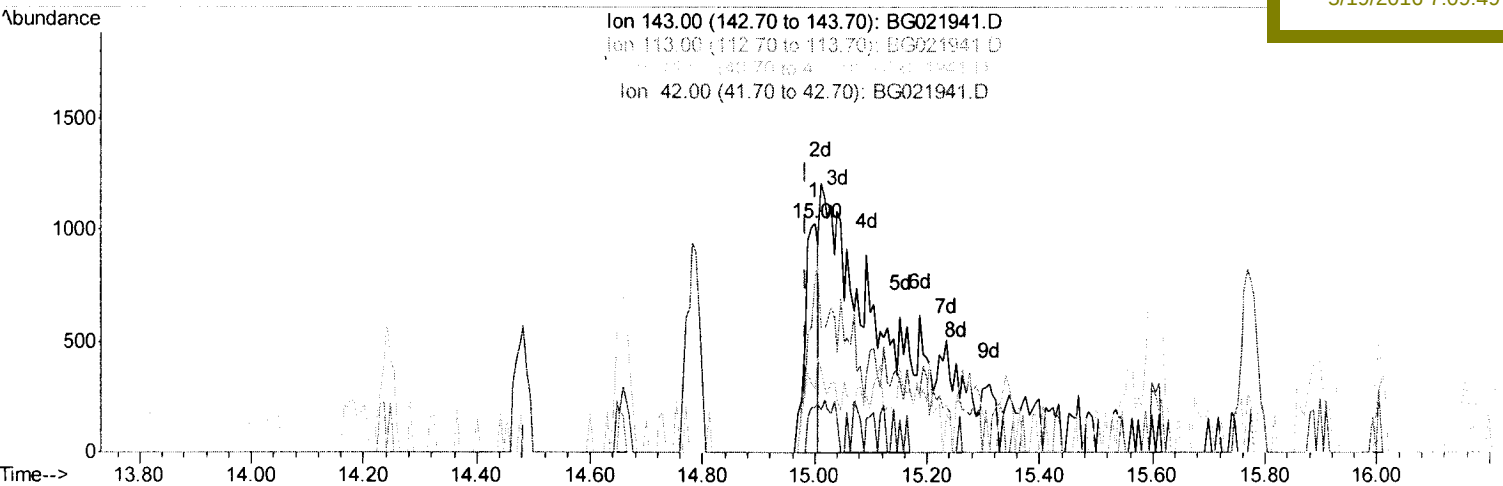
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021941.D
 Acq On : 18 May 2016 20:36
 Operator : UM/SJ
 Sample : H3092-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XC3

Quant Time: May 19 03:10:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:09:49 PM



(20) 4-Nitrophenol-d4 (S)

14.999min (+0.016) 1.27ng/ul

response 1705

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	76.21#
41.00	49.70	27.67#
42.00	33.70	19.81#

Quantitation Report (Qedit)

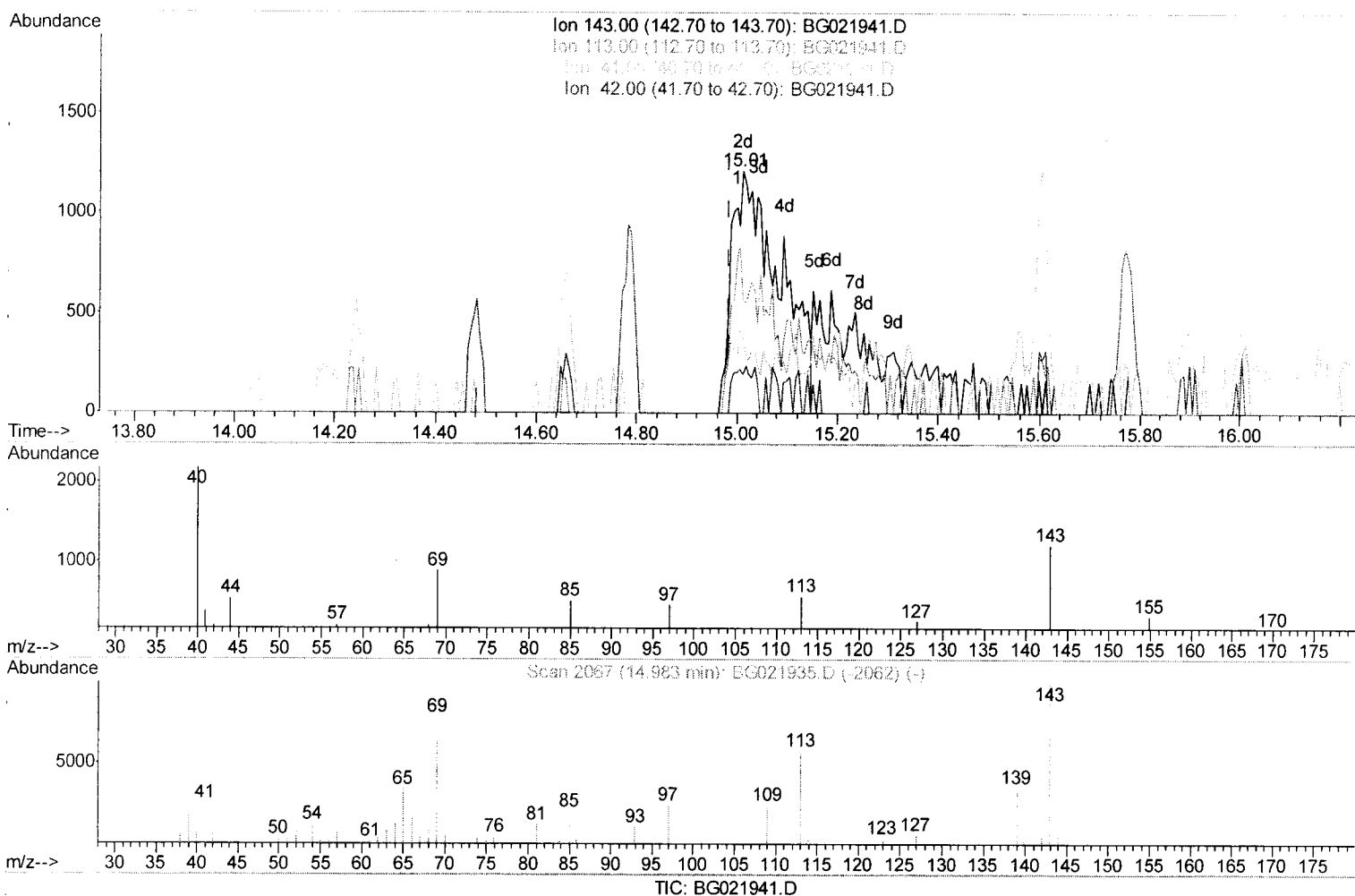
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021941.D
 Acq On : 18 May 2016 20:36
 Operator : UM/SJ
 Sample : H3092-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XC3

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:09:49 PM

Quant Time: May 19 03:10:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration



(20) 4-Nitrophenol-d4 (S)

15.011min (+0.028) 6.02ng/ul m

response 8054

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	46.24#
41.00	49.70	31.05#
42.00	33.70	16.02#

> U.M.
 05/20/16

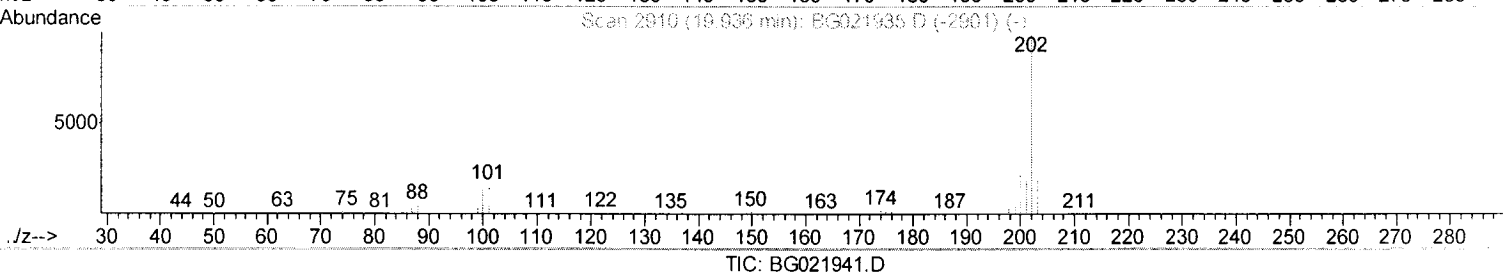
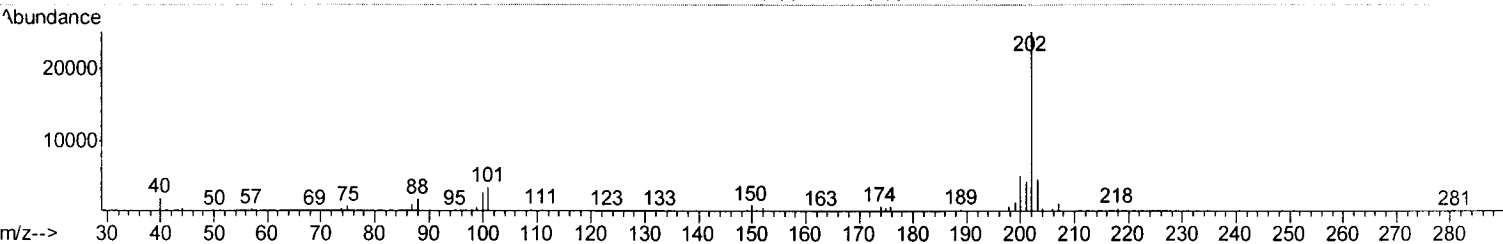
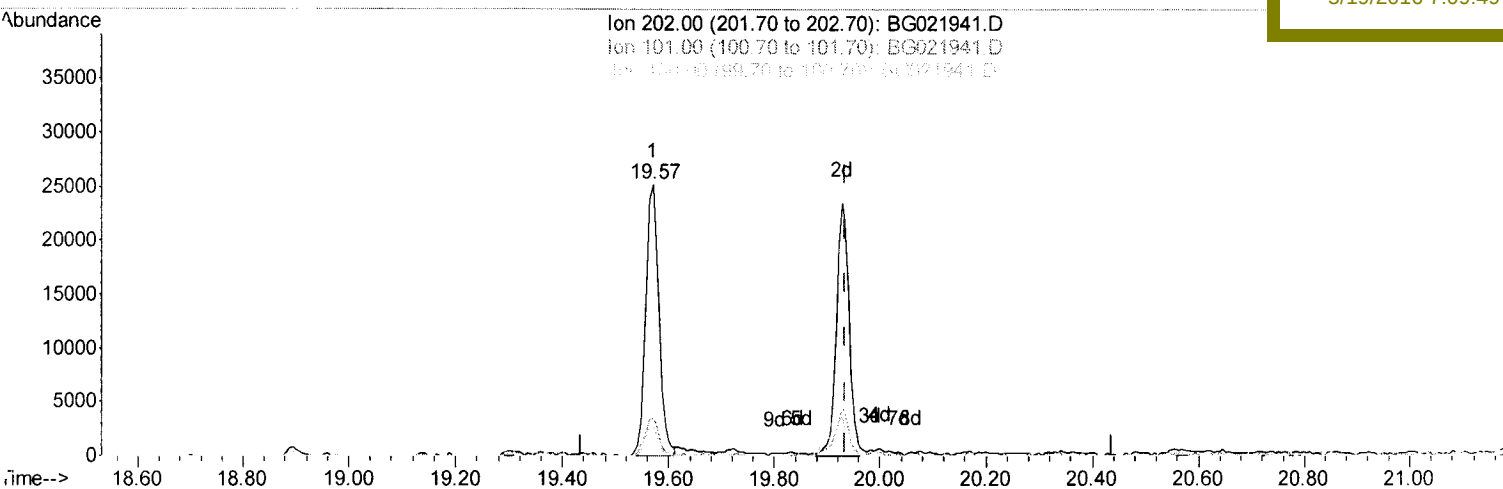
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021941.D
Acq On : 18 May 2016 20:36
Operator : UM/SJ
Sample : H3092-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA G
ClientSampleId :
D9XC3

Quant Time: May 19 03:10:01 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 19 03:03:18 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
5/19/2016 7:09:49 PM



(31) Pyrene

19.571min (-0.366) 3.31ng/ul

response 43631

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.70
100.00	11.60	10.55
0.00	0.00	0.00

Quantitation Report (Qedit)

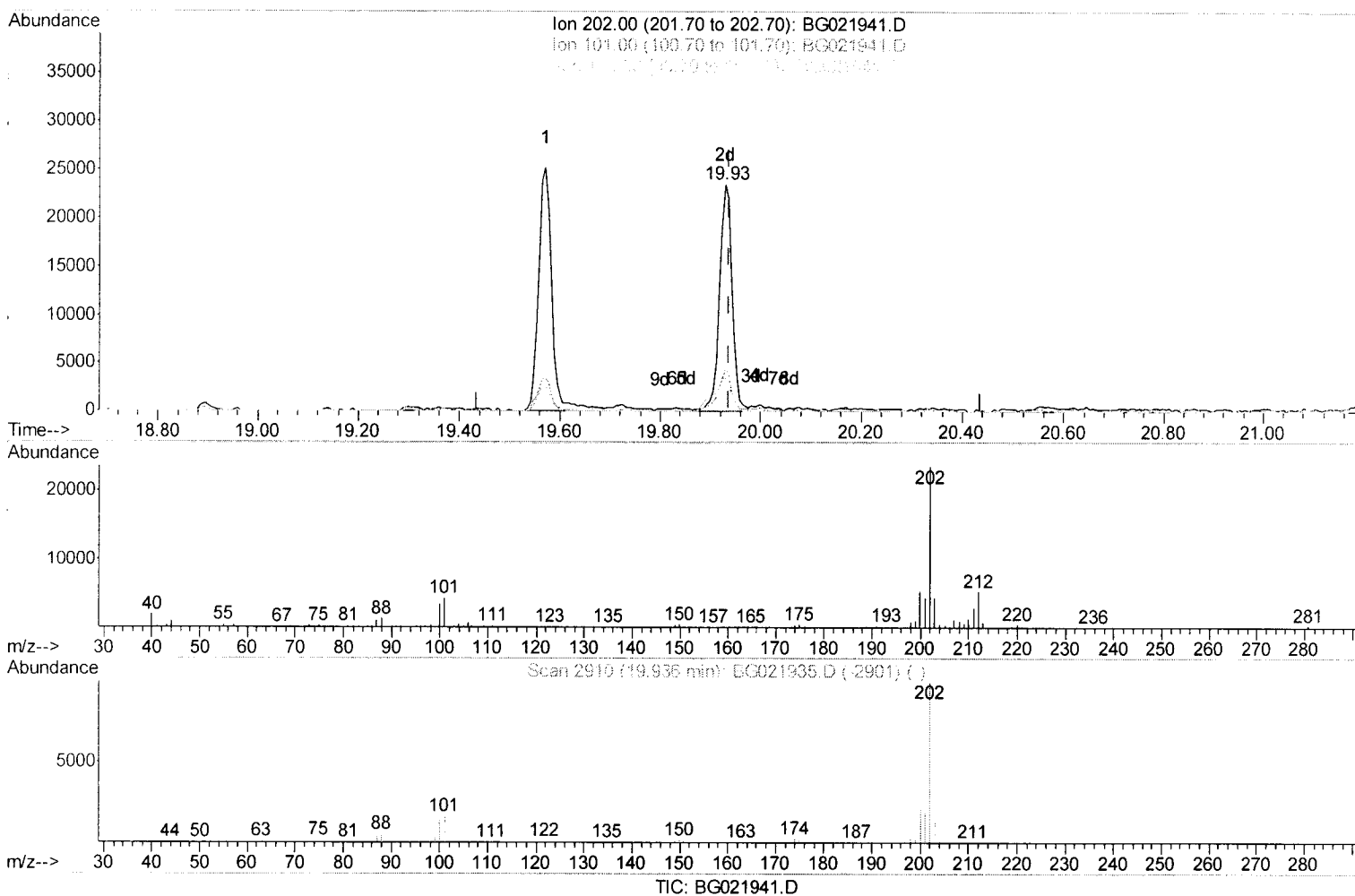
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021941.D
 Acq On : 18 May 2016 20:36
 Operator : UM/SJ
 Sample : H3092-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XC3

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:09:49 PM

Quant Time: May 19 03:10:01 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration



(31) Pyrene

19.929min (-0.007) 3.08ng/ul m

response 40582

> $\frac{U.M.}{05/20/16}$

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	18.39#
100.00	11.60	15.16#
0.00	0.00	0.00

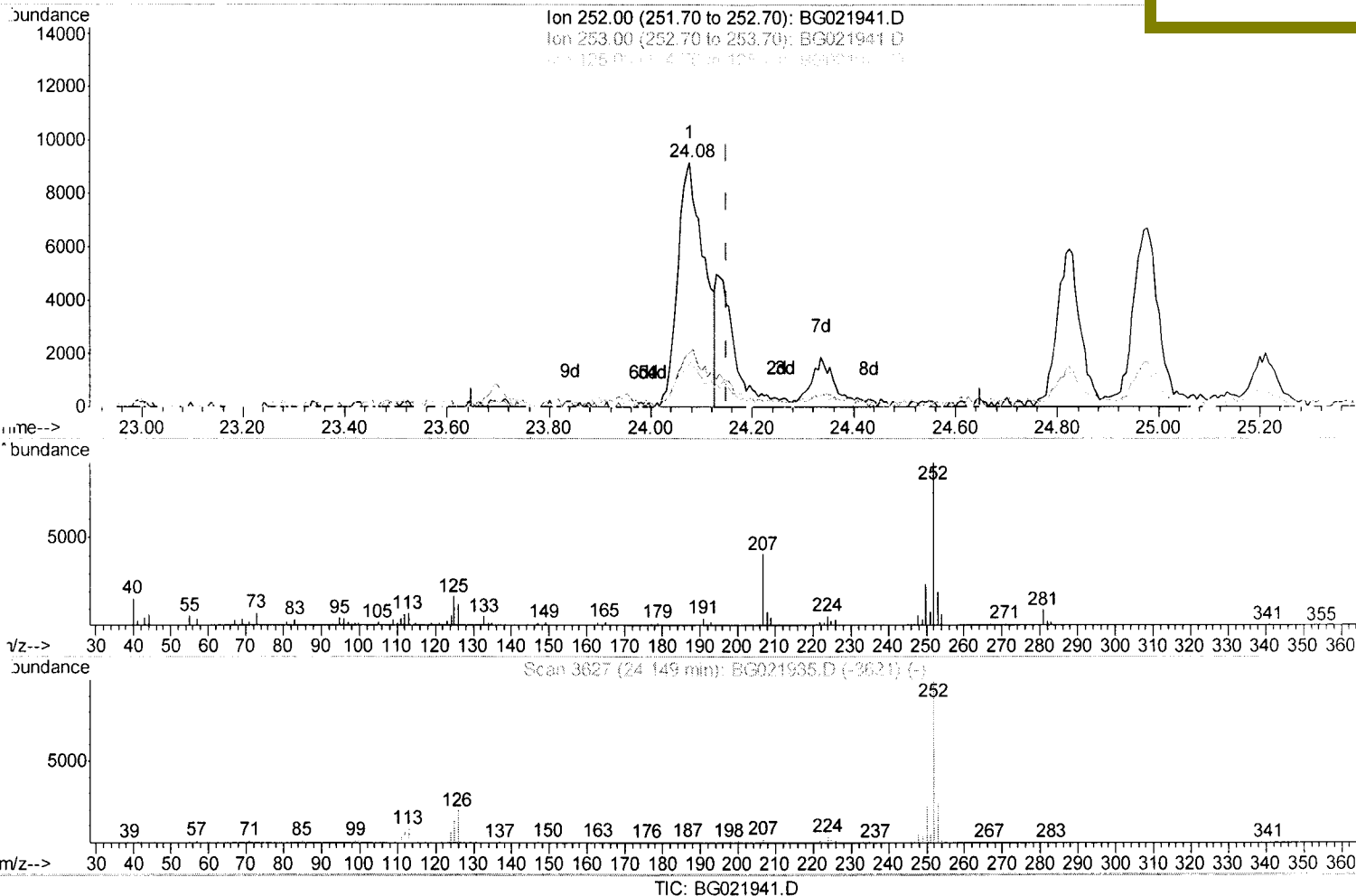
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021941.D
Acq On : 18 May 2016 20:36
Operator : UM/SJ
Sample : H3092-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XC3

Quant Time: May 19 03:29:13 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 19 03:03:18 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
5/19/2016 7:09:49 PM



(36) Benzo(k)fluoranthene

24.077min (-0.072) 3.31ng/ul

response 33246

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	21.69
125.00	9.60	18.87#
0.00	0.00	0.00

Quantitation Report (Qedit)

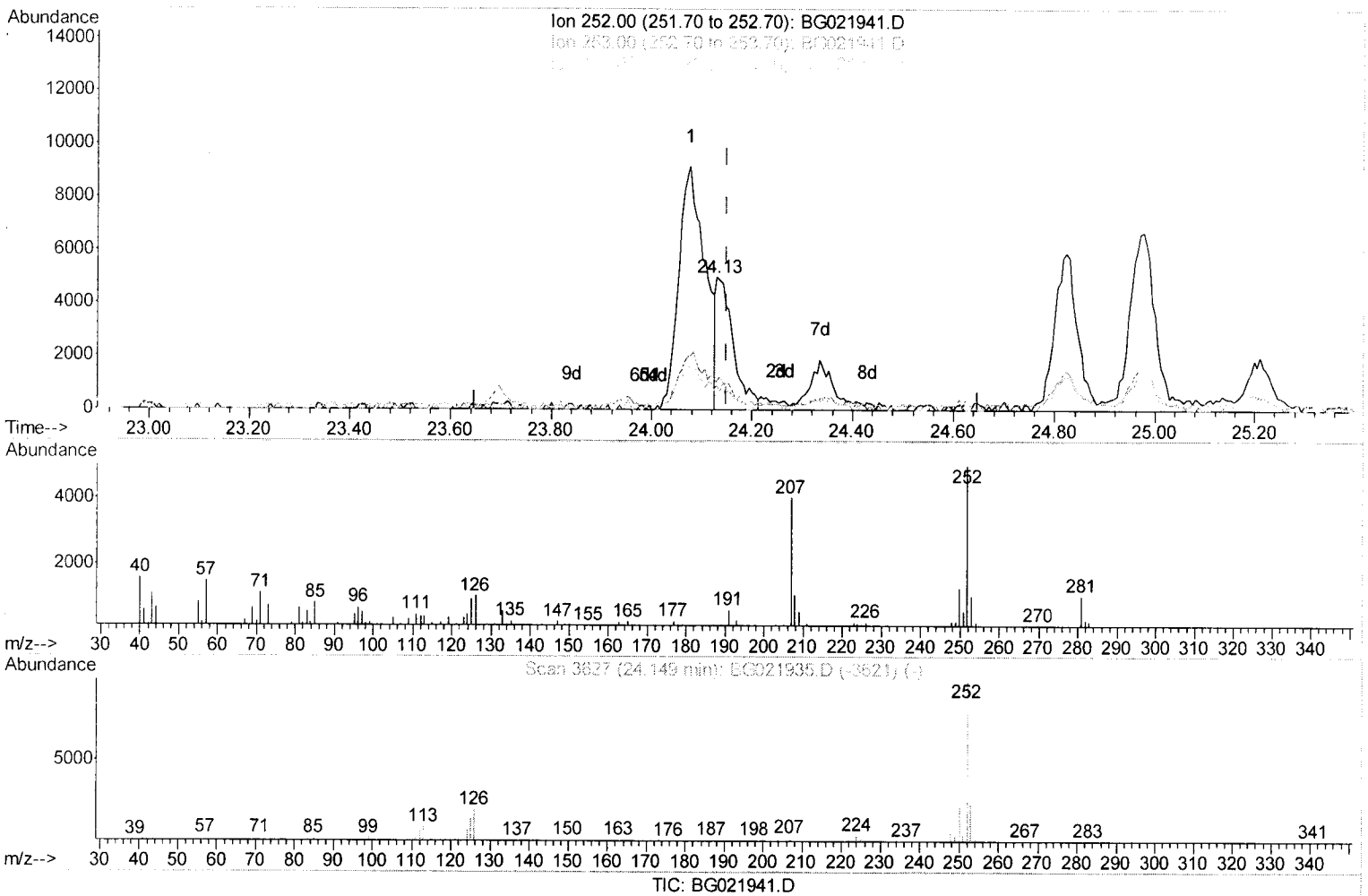
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021941.D
 Acq On : 18 May 2016 20:36
 Operator : UM/SJ
 Sample : H3092-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XC3

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:09:49 PM

Quant Time: May 19 03:29:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration



(36) Benzo(k)fluoranthene

24.130min (-0.019) 1.18ng/ul m

response 11792

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	21.19
125.00	9.60	19.01#
0.00	0.00	0.00

> U.M.
 05/20/16

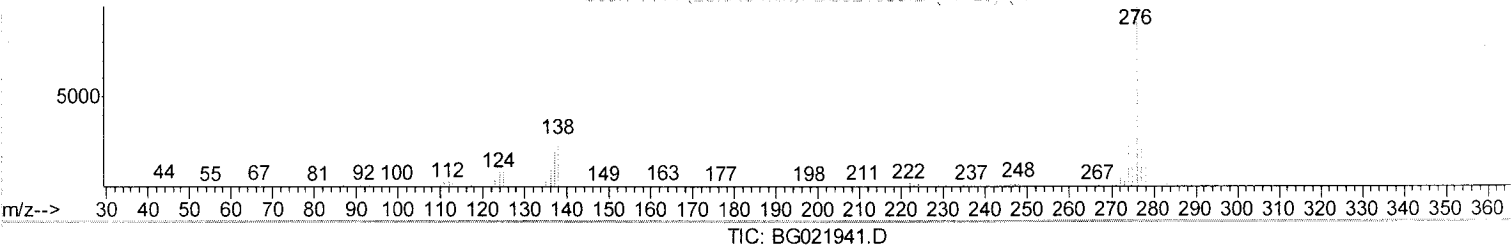
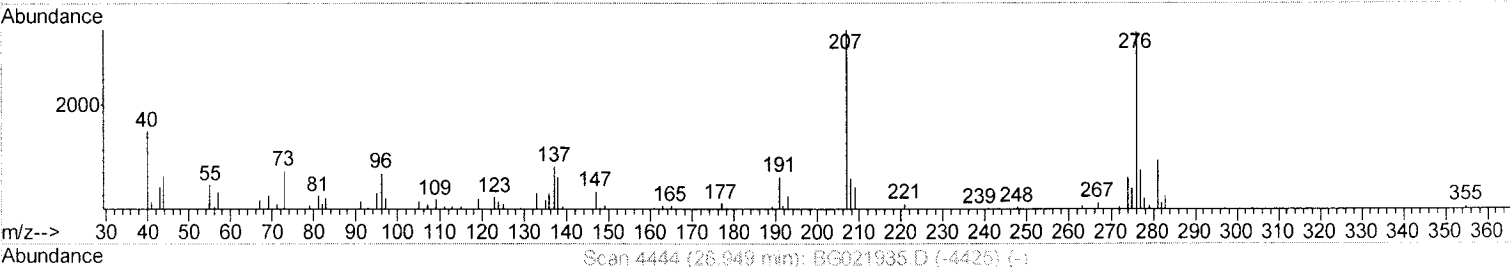
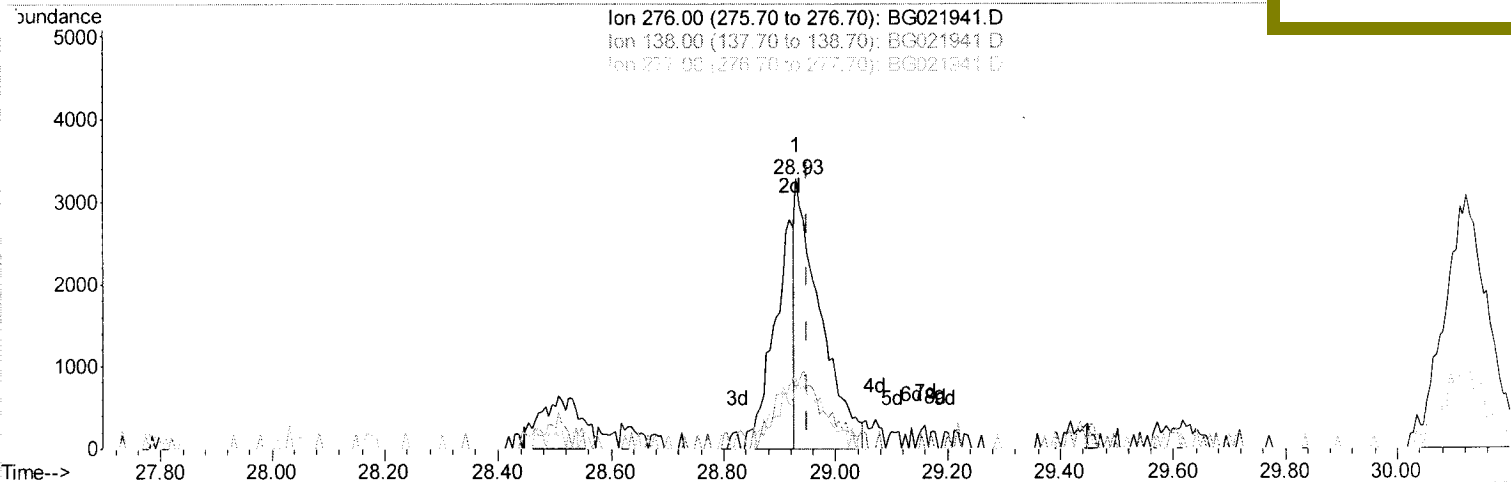
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021941.D
Acq On : 18 May 2016 20:36
Operator : UM/SJ
Sample : H3092-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XC3

Quant Time: May 19 03:29:13 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 19 03:03:18 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
5/19/2016 7:09:49 PM



(39) Indeno(1,2,3-cd)pyrene

28.930min (-0.019) 0.92ng/ul

response 10186

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	22.09
277.00	23.80	25.87
0.00	0.00	0.00

Quantitation Report (Qedit)

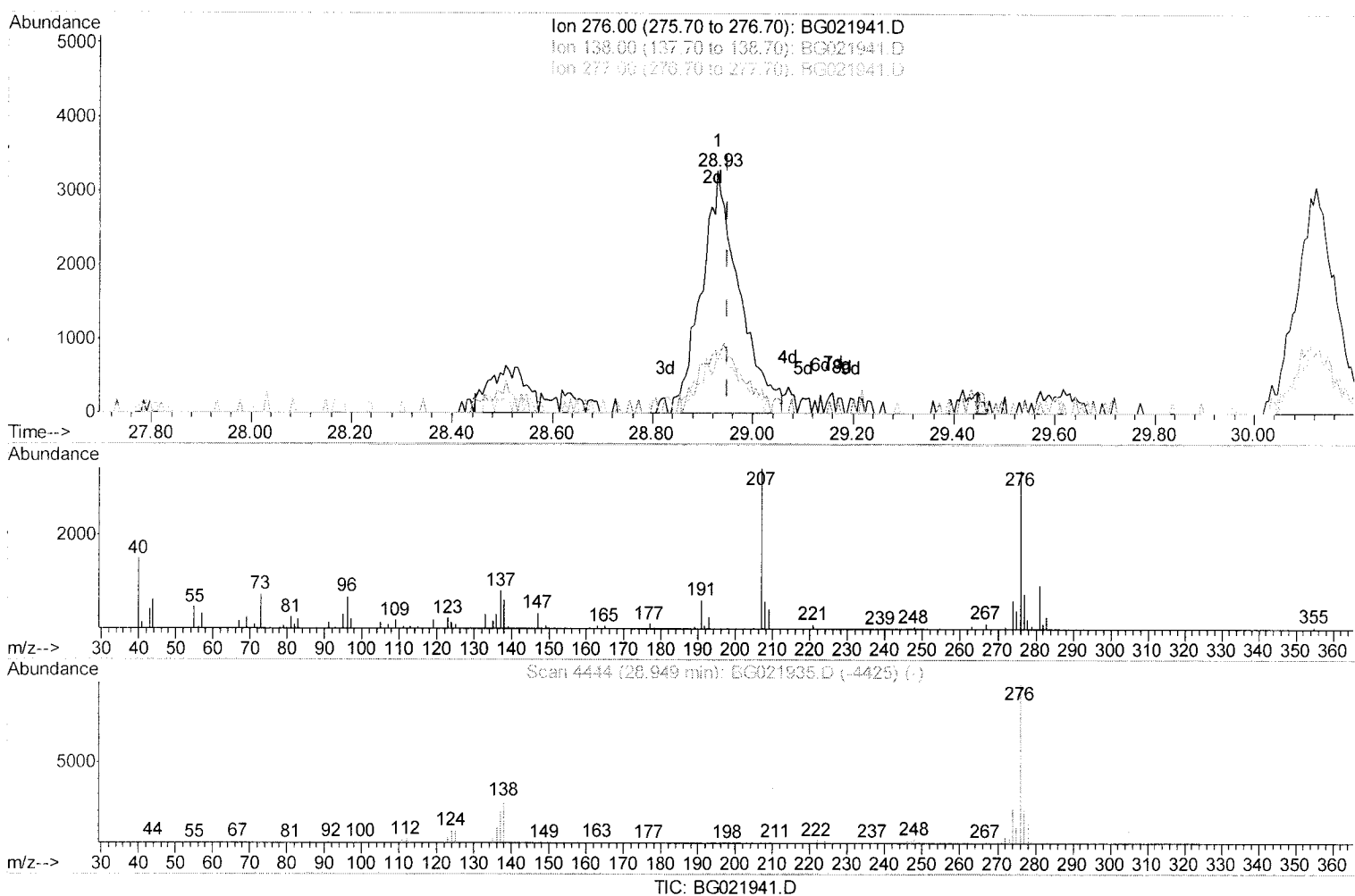
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021941.D
 Acq On : 18 May 2016 20:36
 Operator : UM/SJ
 Sample : H3092-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 D9XC3

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:09:49 PM

Quant Time: May 19 03:29:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration



(39) Indeno(1,2,3-cd)pyrene

28.930min (-0.019) 1.56ng/ul m

response 17304

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	22.09
277.00	23.80	25.87
0.00	0.00	0.00

U.M.
 05/20/16

Quantitation Report (Qedit)

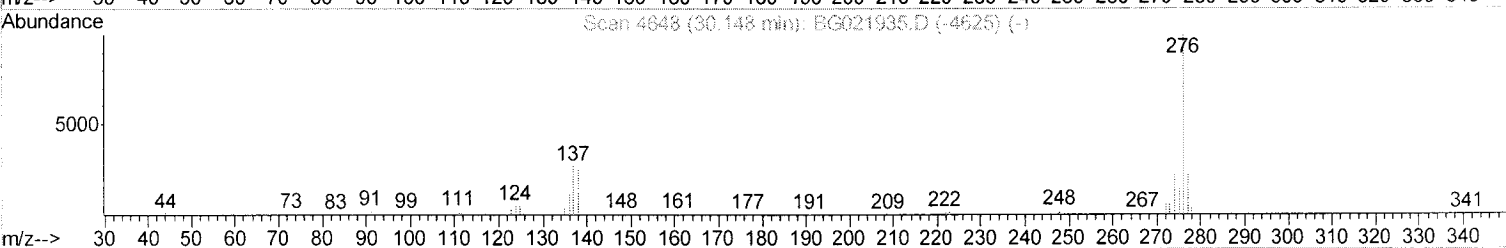
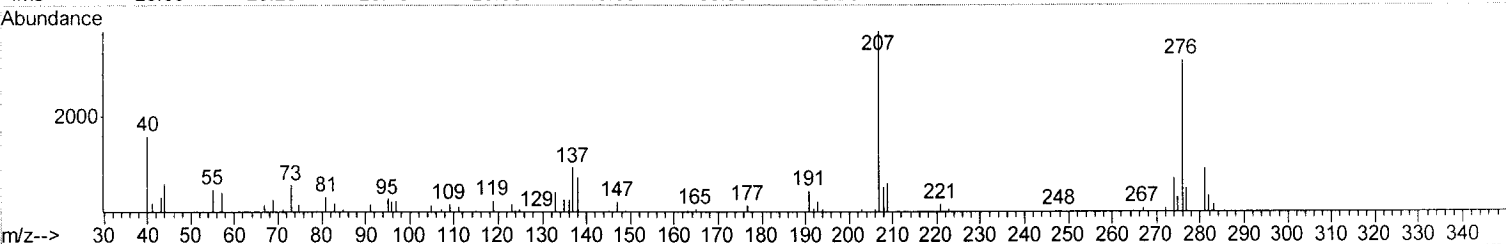
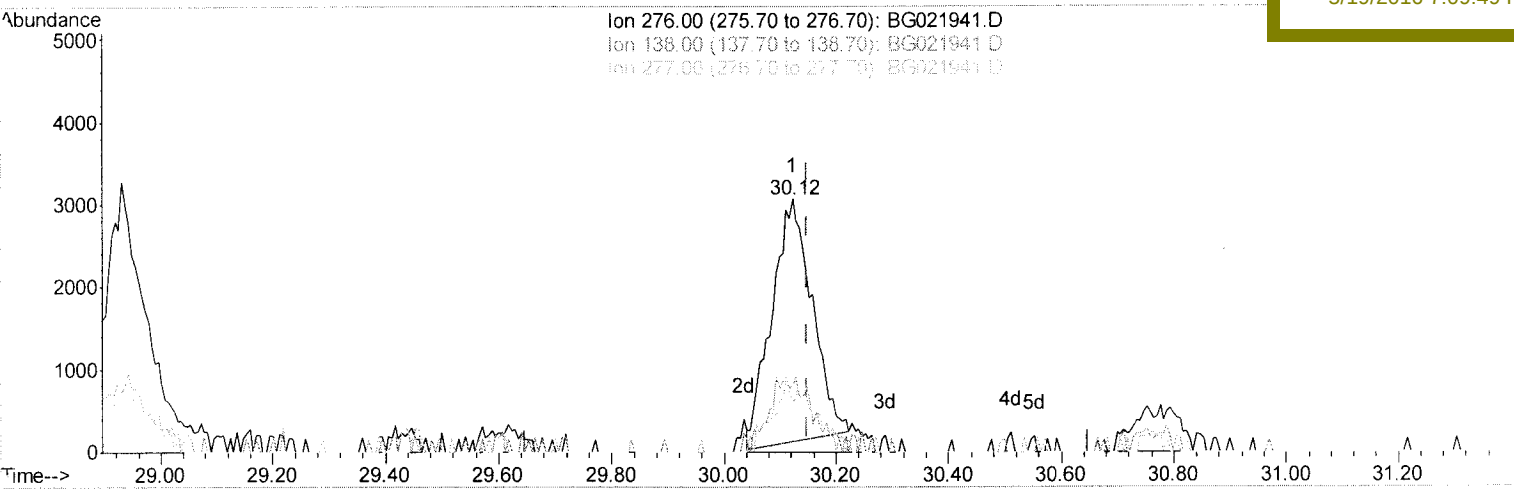
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021941.D
Acq On : 18 May 2016 20:36
Operator : UM/SJ
Sample : H3092-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XC3

Manual Integrations
APPROVED

sohil
5/19/2016 7:09:49 PM

Quant Time: May 19 03:29:13 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 19 03:03:18 2016
Response via : Initial Calibration



TIC: BG021941.D

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

30.123min (-0.025) 1.56ng/ul

response 14640

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	26.96#
277.00	24.70	20.12
0.00	0.00	0.00

Quantitation Report (Qedit)

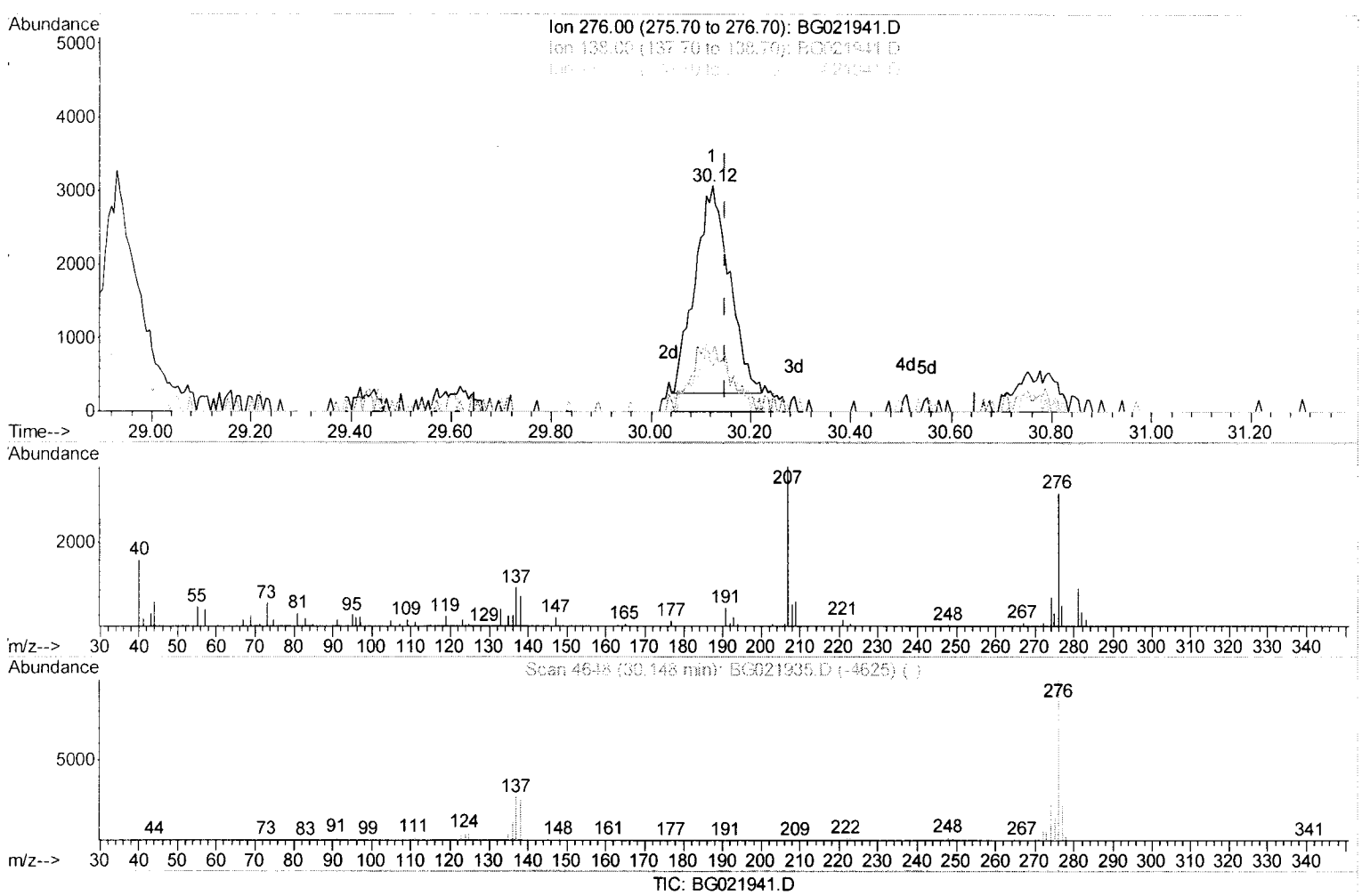
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021941.D
 Acq On : 18 May 2016 20:36
 Operator : UM/SJ
 Sample : H3092-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XC3

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:09:49 PM

Quant Time: May 19 03:29:13 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration



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

30.123min (-0.025) 1.44ng/ul m

response 13460

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	26.96#
277.00	24.70	20.12
0.00	0.00	0.00

> U.M.
 05/20/16

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021941.D
 Acq On : 18 May 2016 20:36
 Operator : UM/SJ
 Sample : H3092-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XC3

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:09:49 PM

Quant Time: May 19 03:30:54 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 19 03:03:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	29470	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	160860	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	98683	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	214671	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	191199	20.00	ng/ul	0.00
34) Perylene-d12	25.13	264	177408	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	1754	2.73	ng/uL	0.00
3) Phenol-d5	7.31	99	31849	12.24	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	20156	14.54	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	31338	14.67	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	22733	9.81	ng/ul	0.00
8) Nitrobenzene-d5	9.34	128	16663	14.76	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	17204	14.29	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	28896	13.58	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	28182	16.81	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	120344	15.82	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	160033	16.33	ng/ul	0.00
20) 4-Nitrophenol-d4	15.01	143	8054m	6.02	ng/ul	0.03
21) Fluorene-d10	15.77	176	110572	16.15	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	10667	10.01	ng/ul	0.00
26) Anthracene-d10	17.63	188	164873	16.67	ng/ul	0.00
30) Pvrene-d10	19.90	212	177385	17.58	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.90	264	137629	17.47	ng/ul	0.00

U.M.
 05/20/16

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Phenanthrene	17.57	178	20349	1.77	ng/ul	98
28) Fluoranthene	19.57	202	43631	3.66	ng/ul#	94
31) Pvrene	19.93	202	40582m	3.08	ng/ul	
32) Benzo(a)anthracene	21.79	228	23091	2.18	ng/ul#	92
33) Chrysene	21.86	228	24731	2.40	ng/ul#	86
35) Benzo(b)fluoranthene	24.08	252	33246	3.26	ng/ul#	91
36) Benzo(k)fluoranthene	24.13	252	11792m	1.18	ng/ul	
38) Benzo(a)pvrene	24.98	252	23055	2.36	ng/ul#	87
39) Indeno(1,2,3-cd)pvrene	28.93	276	17304m	1.56	ng/ul	
41) Benzo(a,h,i)perylene	30.12	276	13460m	1.44	ng/ul	

U.M.
 05/20/16

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