

Quantitation Report (QT Reviewed)

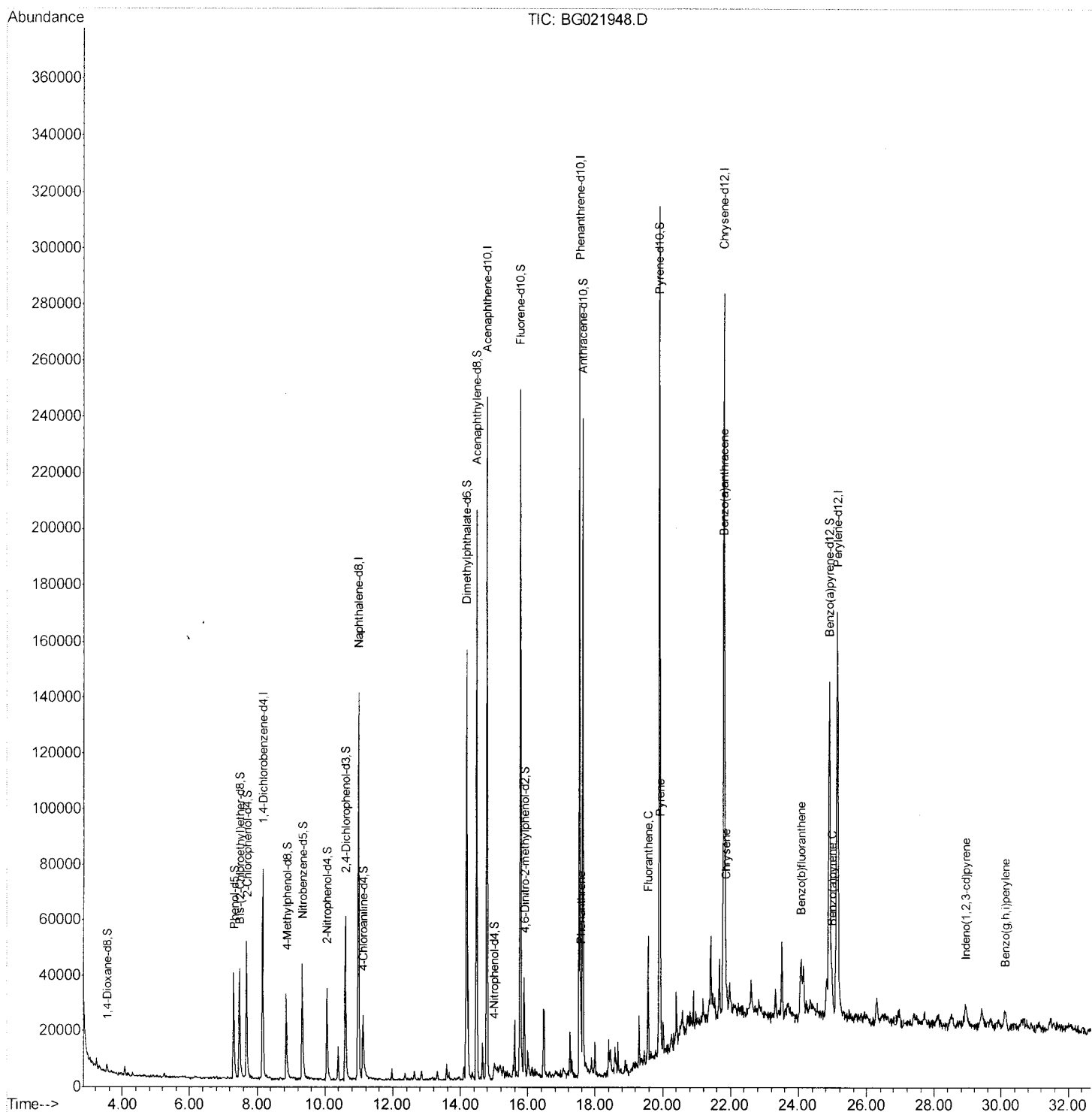
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XD1

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:08:52 PM

Quant Time: May 19 03:56:13 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



Quantitation Report (Qedit)

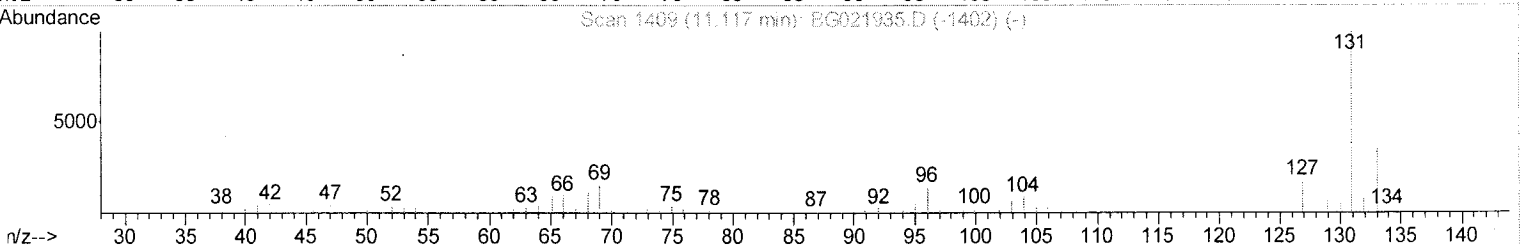
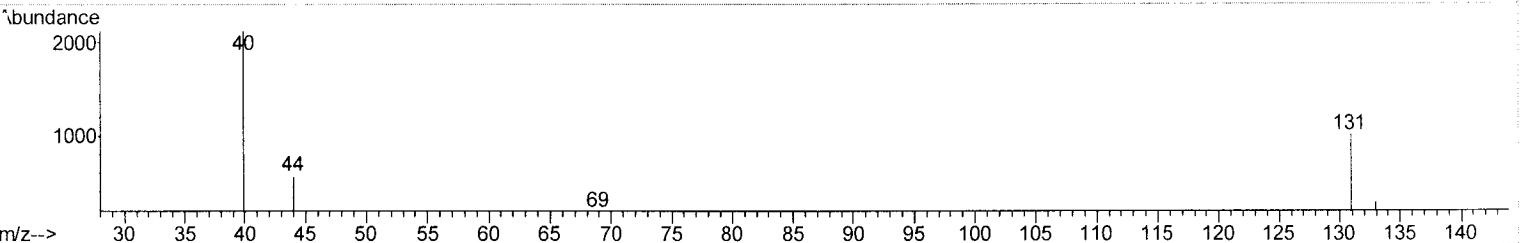
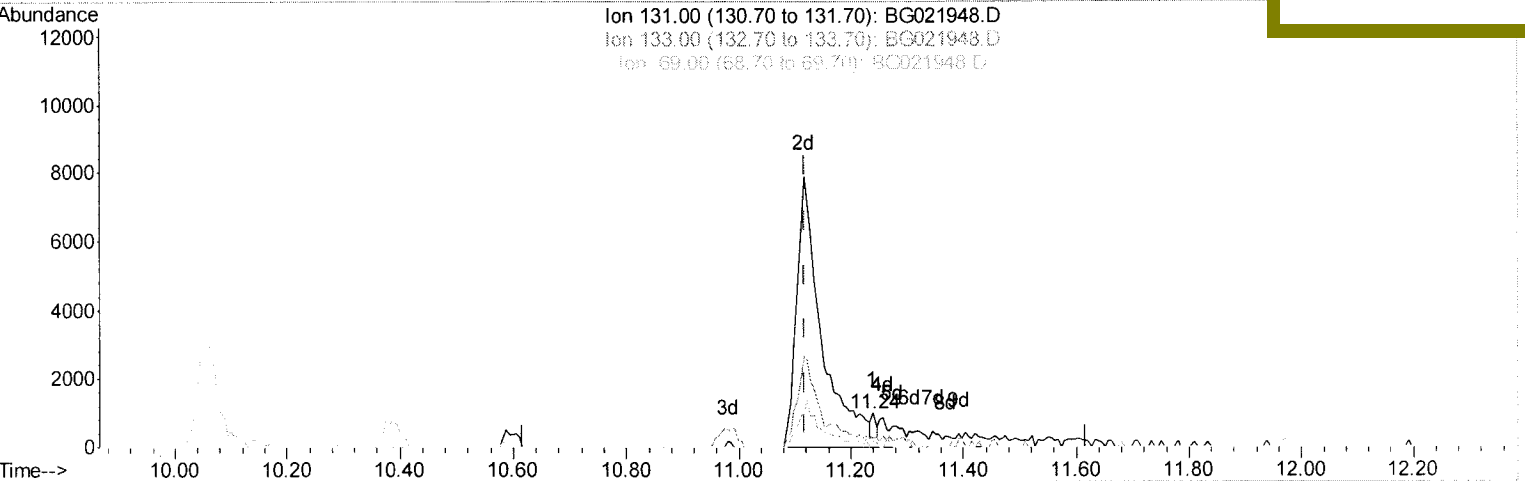
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 19 03:10:43 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

Instrument :
 BNA_G
 ClientSampleId :
 D9XD1

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:08:52 PM



TIC: BG021948.D

(12) 4-Chloroaniline-d4 (S)

11.239min (+0.122) 0.22ng/ul

response 350

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	27.89
69.00	23.00	18.82
0.00	0.00	0.00

Quantitation Report (Qedit)

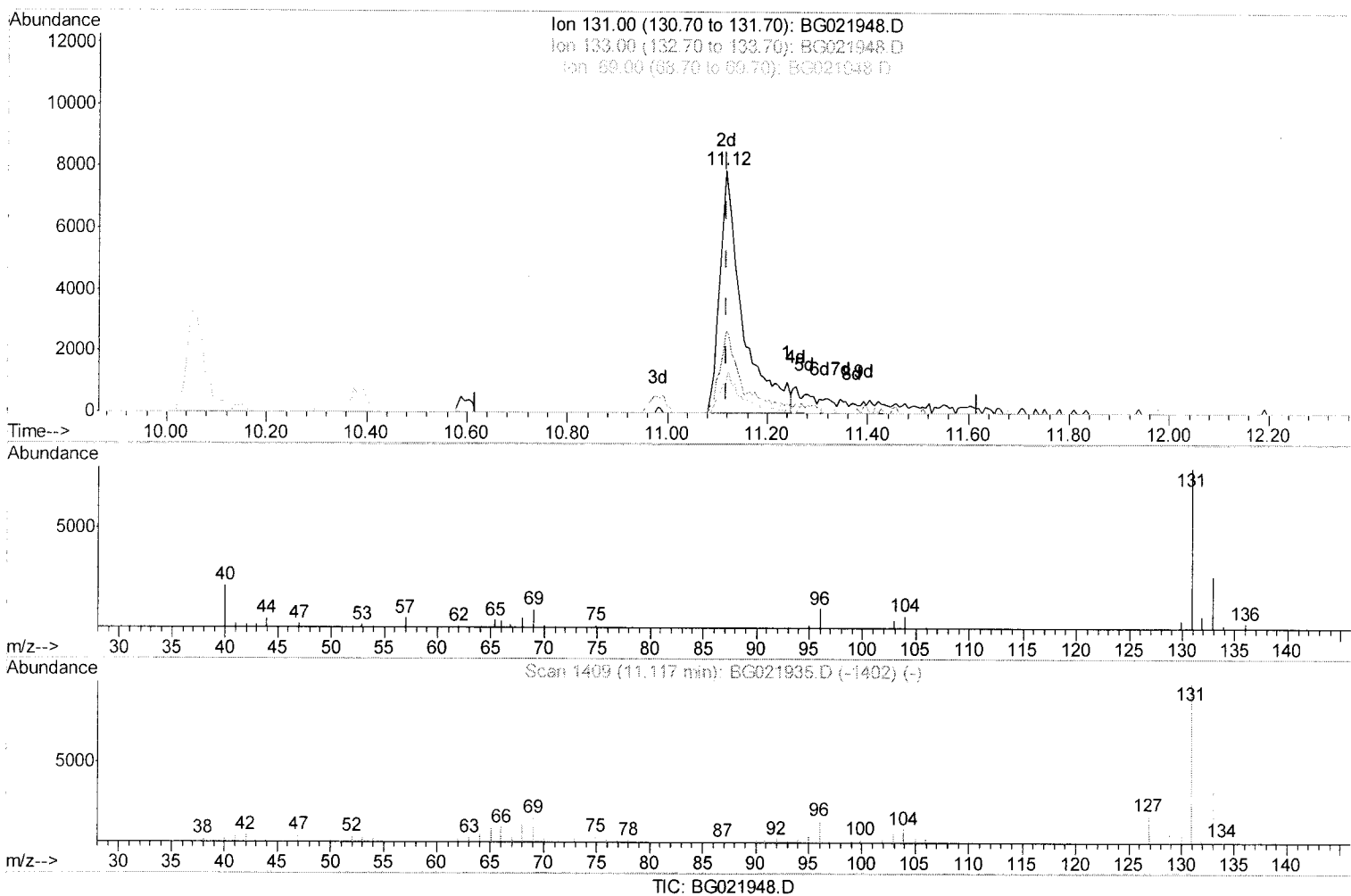
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XD1

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:08:52 PM

Quant Time: May 19 03:10:43 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



(12) 4-Chloroaniline-d4 (S)

11.116min (-0.001) 15.48ng/ul m

response 25011

Ion	Exp%	Act%
131.00	100	100
133.00	34.60	34.15
69.00	23.00	12.75#
0.00	0.00	0.00

U.M.
 05/20/16

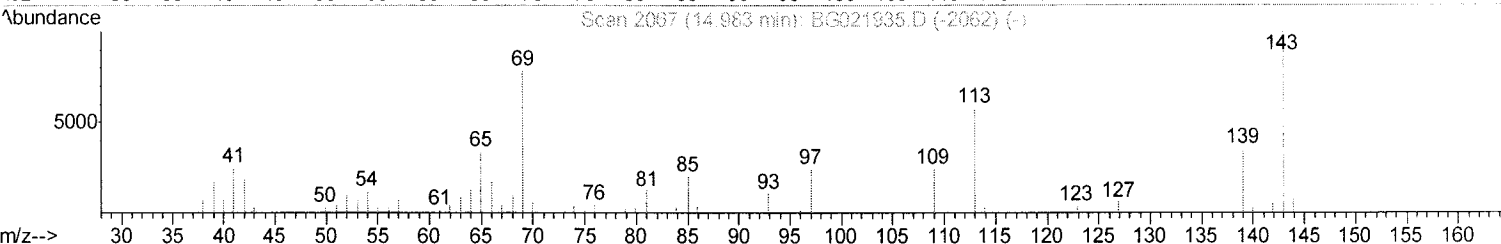
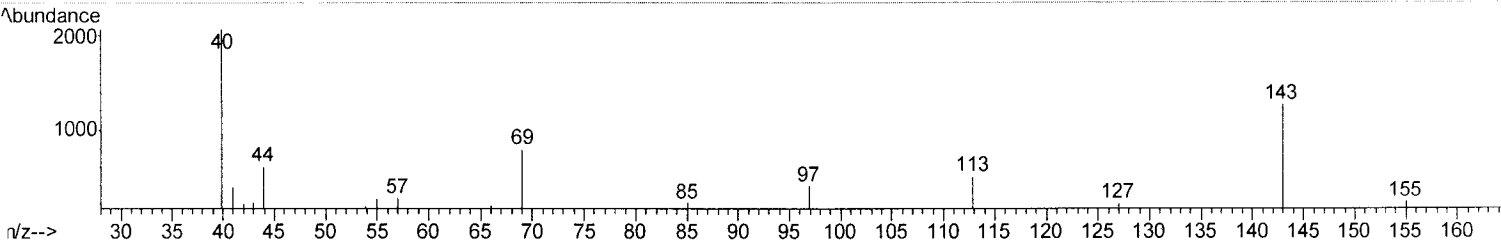
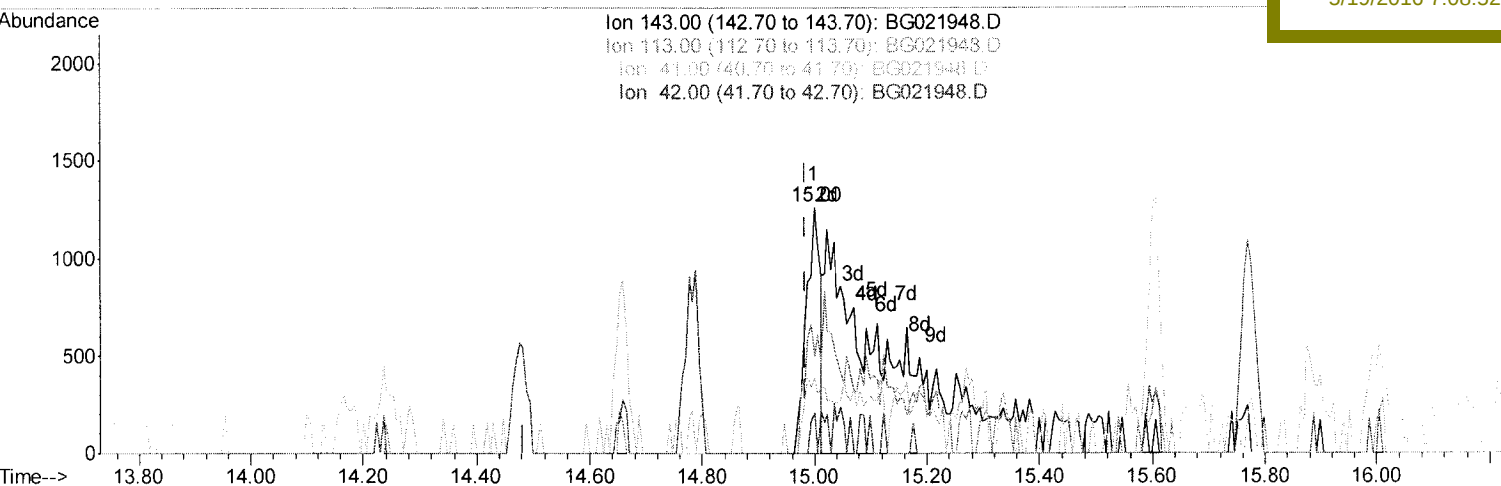
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021948.D
Acq On : 19 May 2016 1:17
Operator : UM/SJ
Sample : H3092-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 19 03:10:43 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

Instrument :
BNA_G
ClientSampleId :
D9XD1

Manual Integrations
APPROVED

sohil
5/19/2016 7:08:52 PM



TIC: BG021948.D

(20) 4-Nitrophenol-d4 (S)

14.999min (+0.016) 1.77ng/ul

response 2194

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	39.35#
41.00	49.70	30.40#
42.00	33.70	16.55#

Quantitation Report (Qedit)

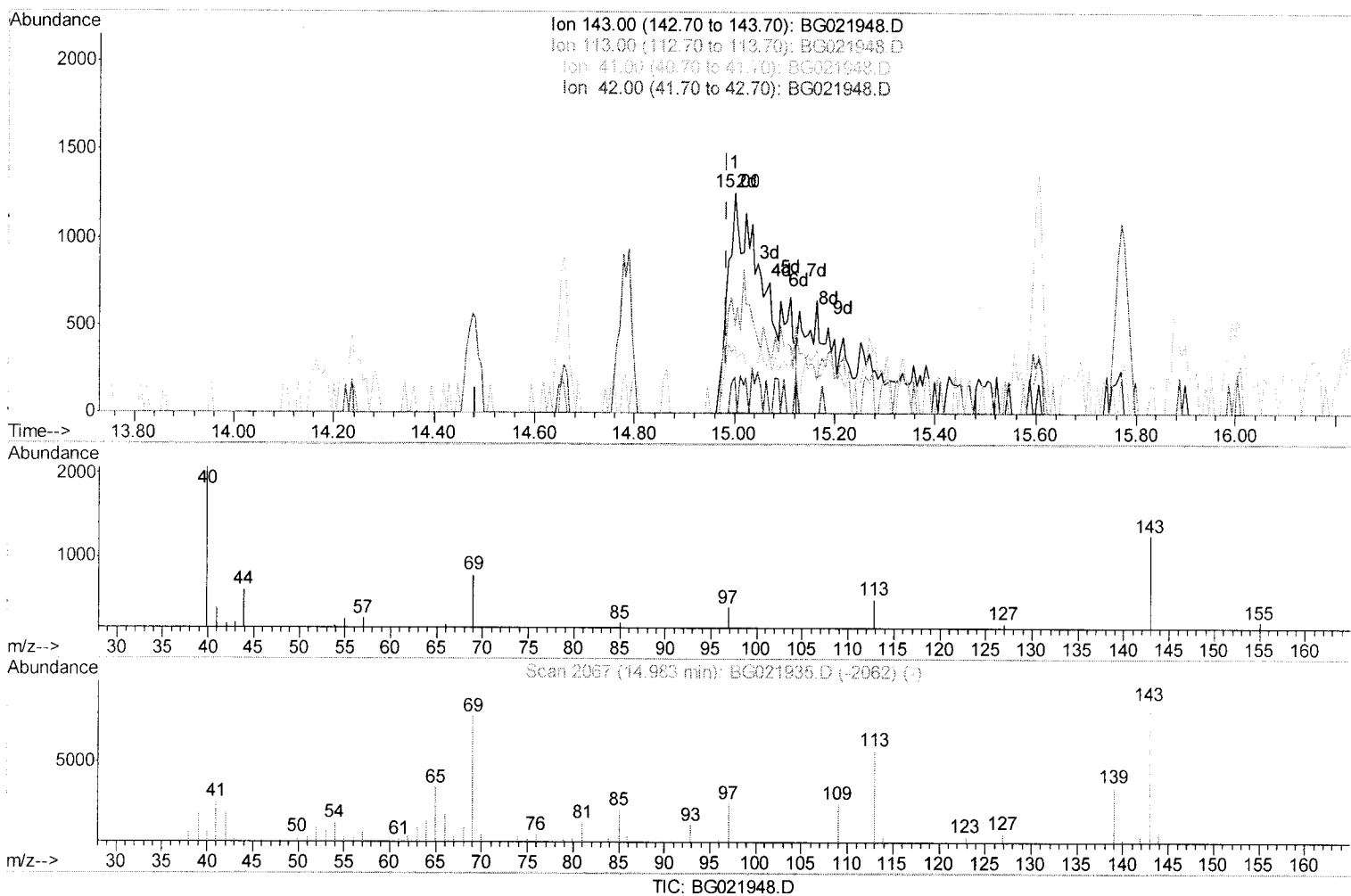
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sample ID :
 D9XD1

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:08:52 PM

Quant Time: May 19 03:10:43 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)

14.999min (+0.016) 5.51ng/ul m

response 6849

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	39.35#
41.00	49.70	30.40#
42.00	33.70	16.55#

U.M.
 05/20/16

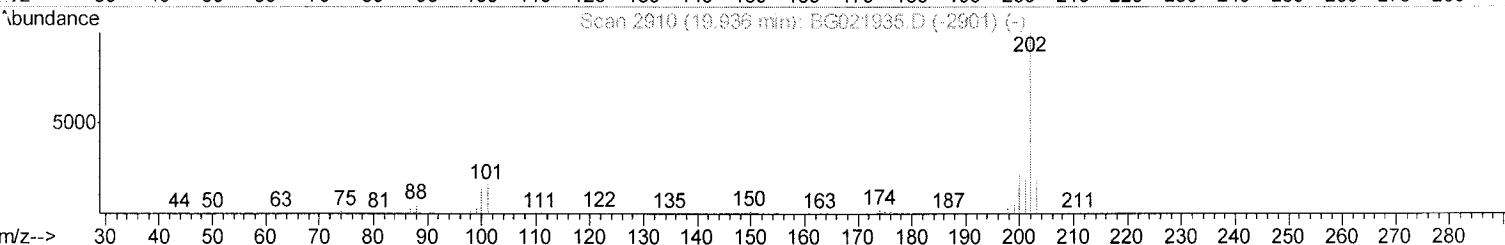
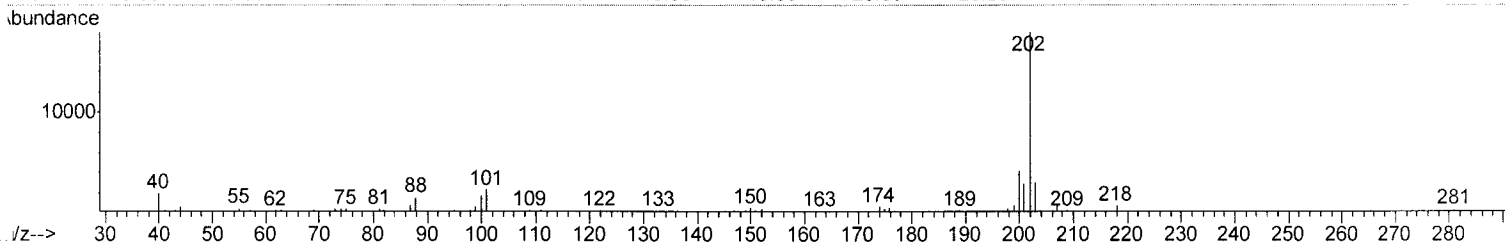
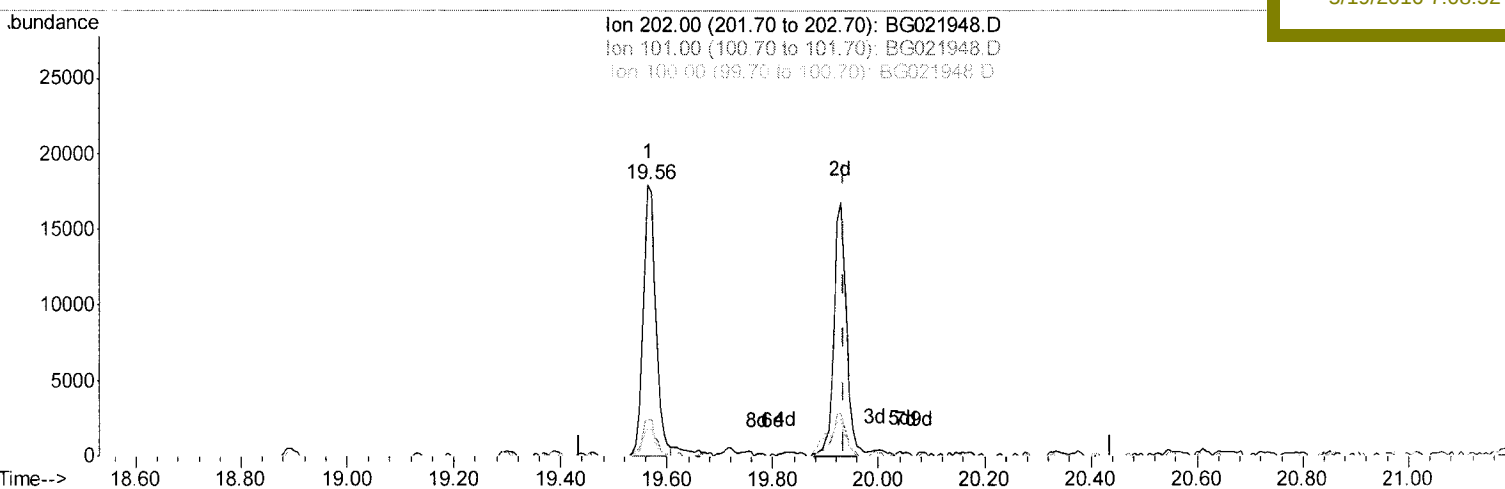
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021948.D
Acq On : 19 May 2016 1:17
Operator : UM/SJ
Sample : H3092-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 19 03:10:43 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

Instrument :
BNA_G
ClientSampleId :
D9XD1

Manual Integrations
APPROVED

sohil
5/19/2016 7:08:52 PM



TIC: BG021948.D

(31) Pyrene

19.565min (-0.371) 2.62ng/ul

response 29660

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.03
100.00	11.60	9.98
0.00	0.00	0.00

Quantitation Report (Qedit)

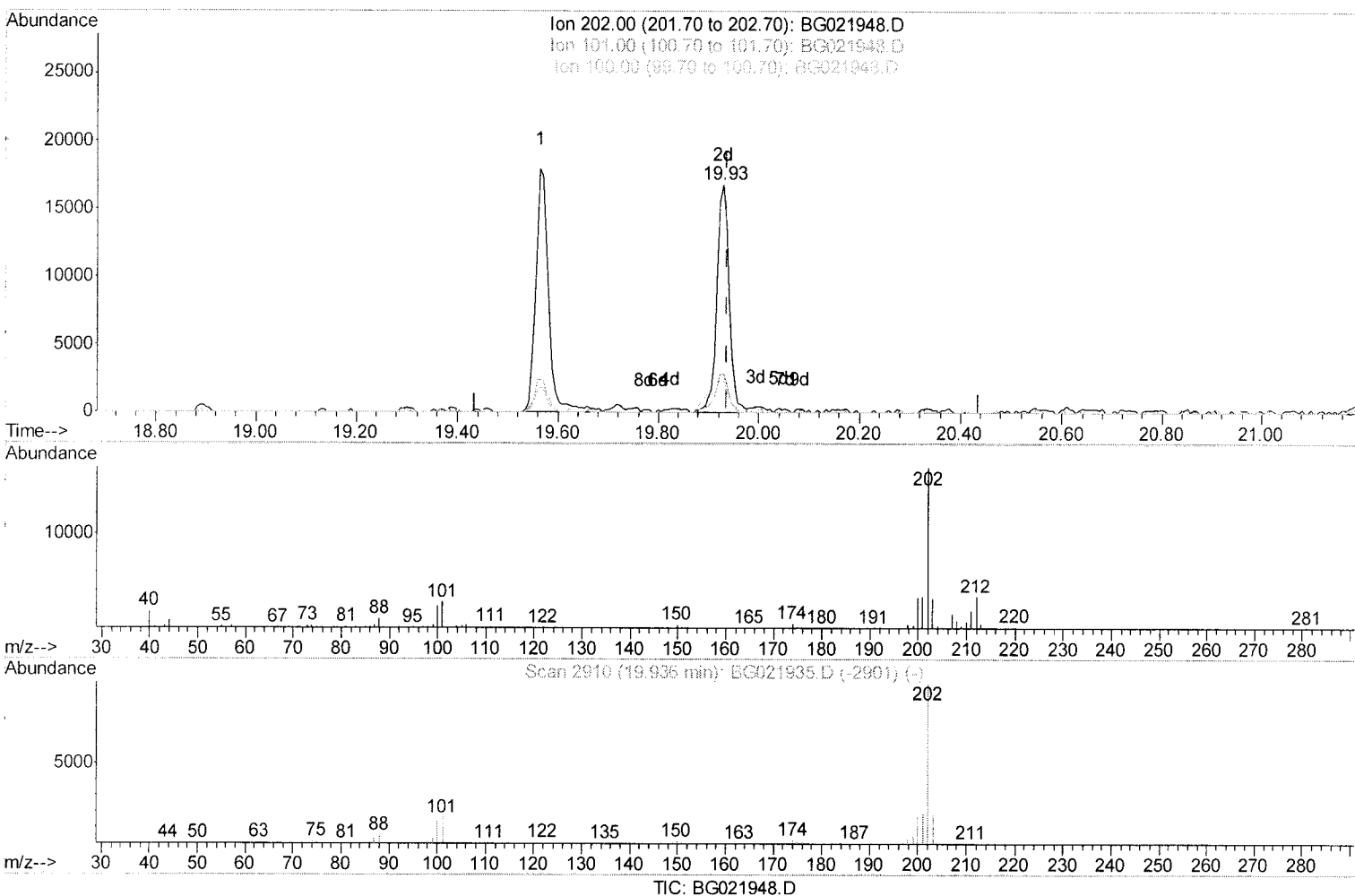
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XD1

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:08:52 PM

Quant Time: May 19 03:10:43 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) 2.49ng/ul m

response 28172

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	17.02#
100.00	11.60	14.40#
0.00	0.00	0.00

> U.M.
 05/20/16

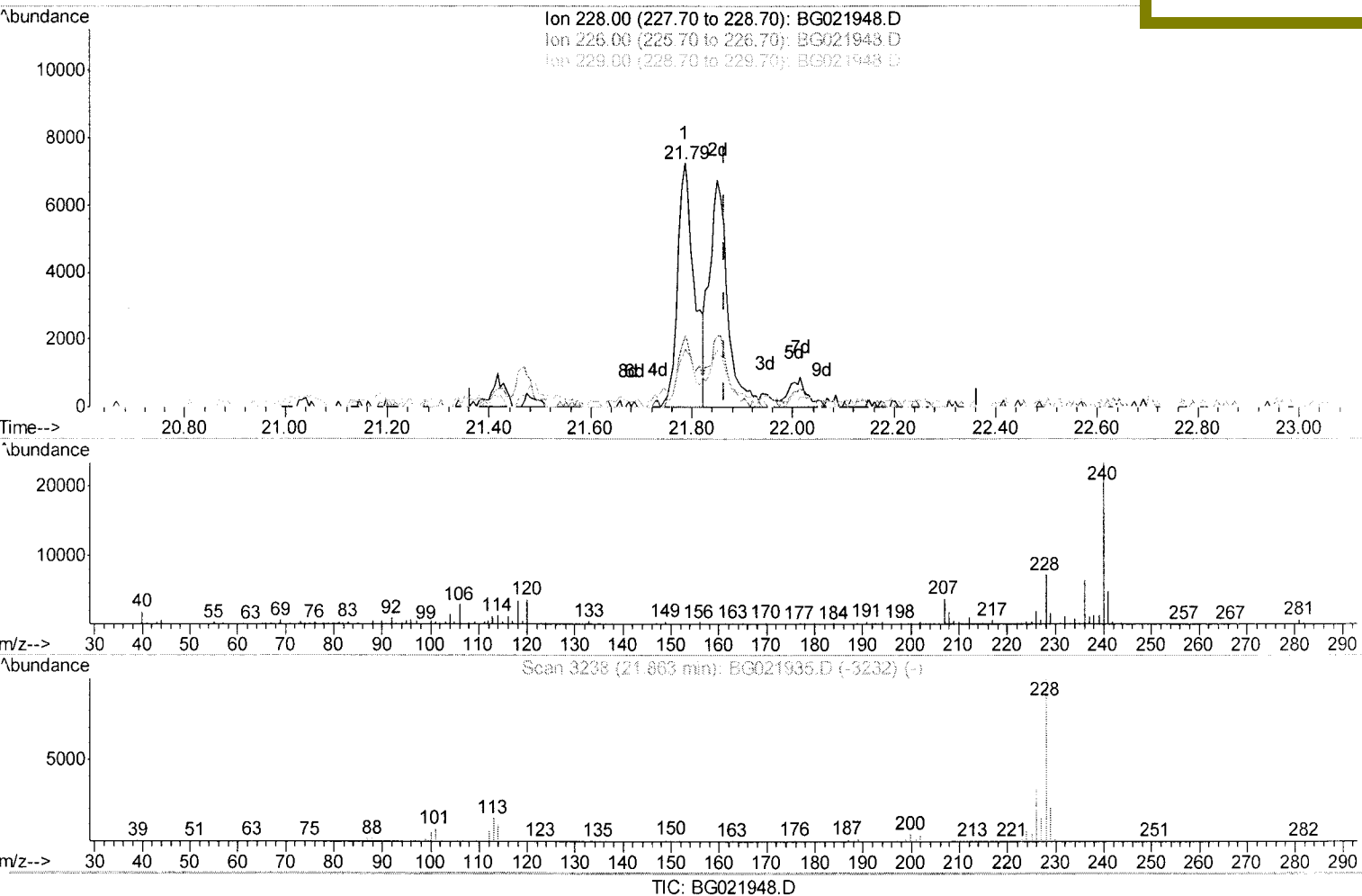
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021948.D
Acq On : 19 May 2016 1:17
Operator : UM/SJ
Sample : H3092-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XD1

Quant Time: May 19 03:54:03 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 7:08:52 PM



(33) Chrysene

21.786min (-0.078) 1.87ng/ul

response 16617

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	28.89
229.00	20.20	23.75
0.00	0.00	0.00

Quantitation Report (Qedit)

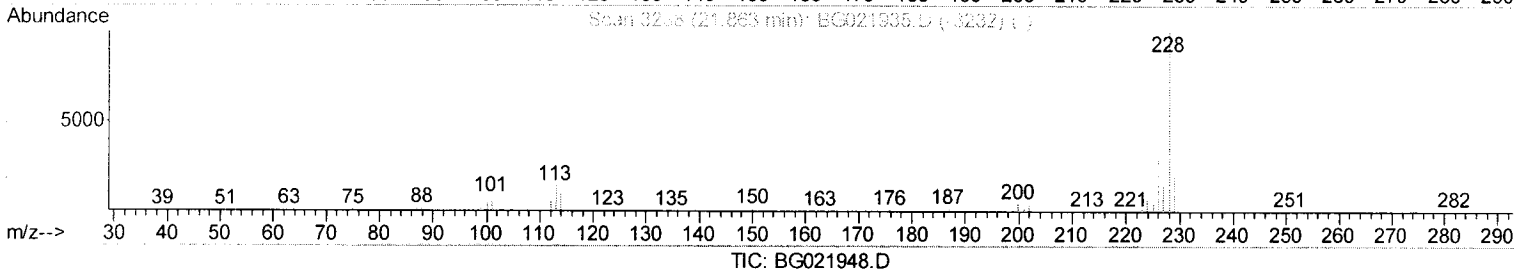
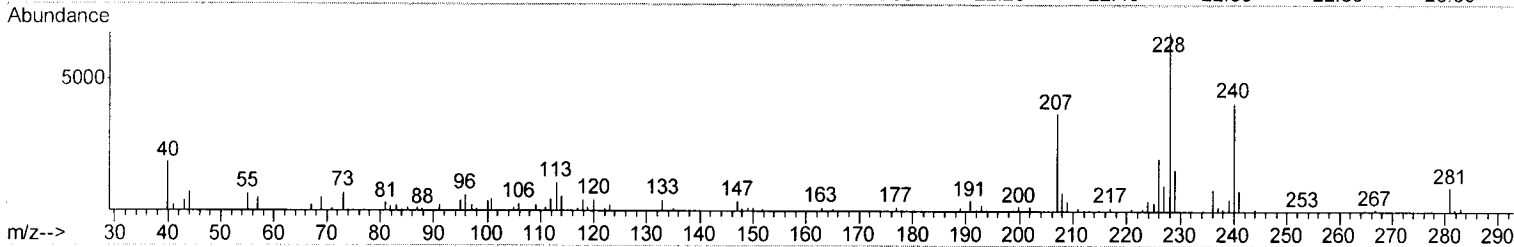
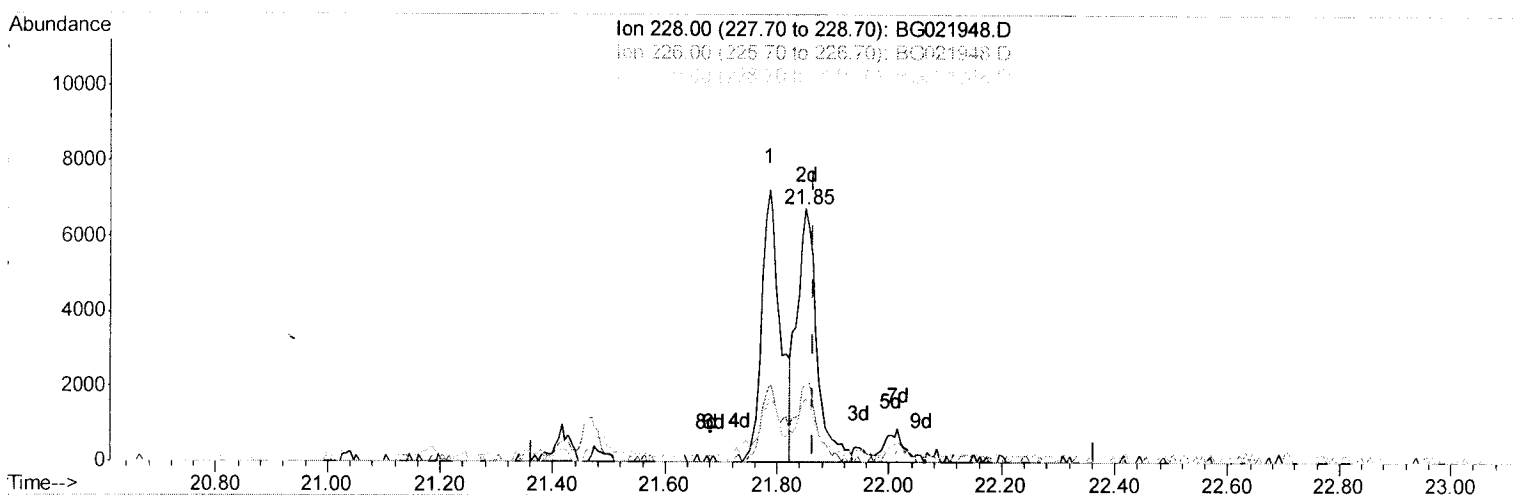
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XD1

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:08:52 PM

Quant Time: May 19 03:54:03 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: BG021948.D

(33) Chrysene

21.850min (-0.013) 1.89ng/ul m

response 16767

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	31.25
229.00	20.20	24.87#
0.00	0.00	0.00

> U.N.
 05/20/16

Quantitation Report (Qedit)

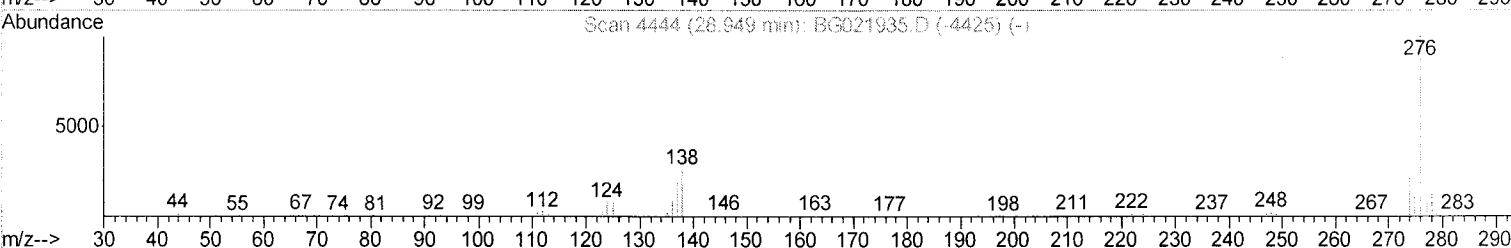
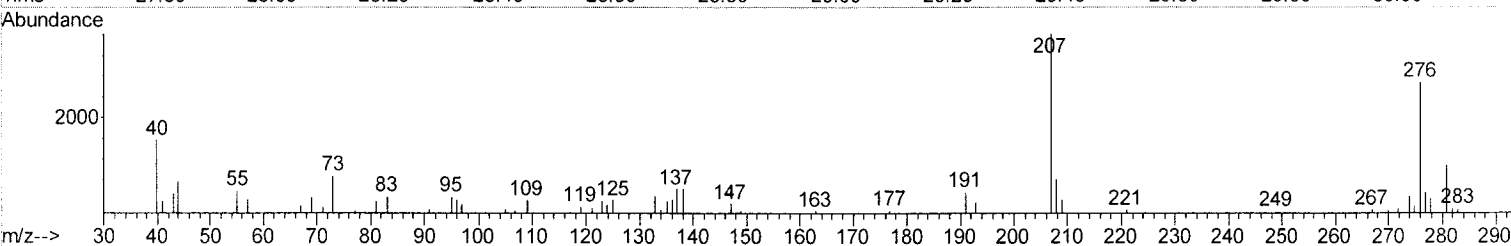
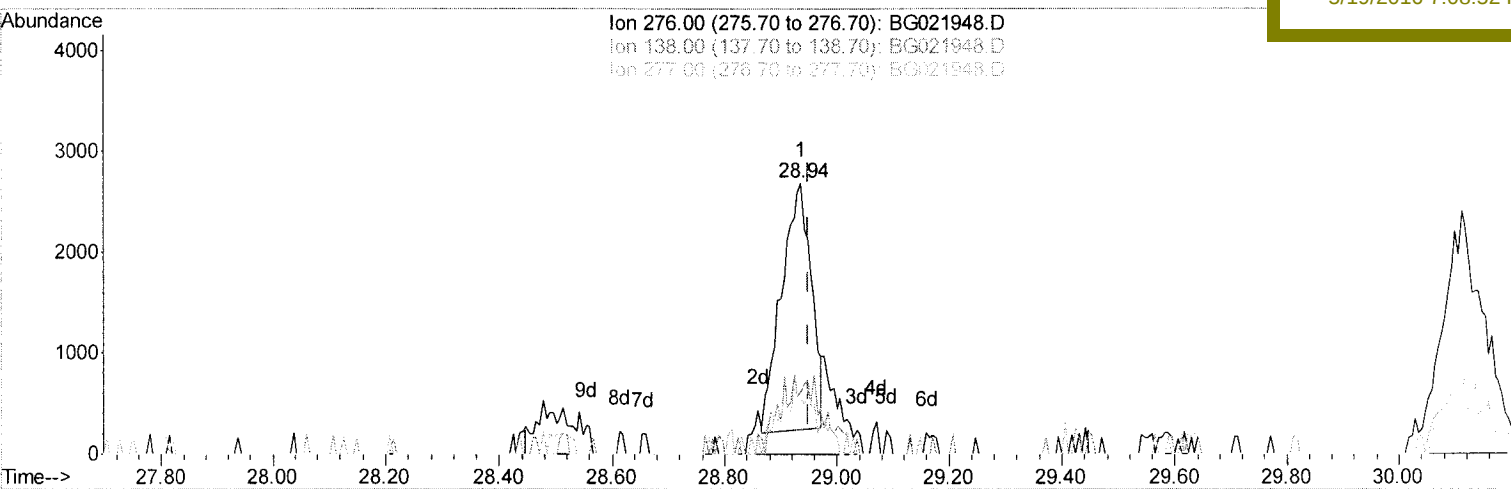
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021948.D
Acq On : 19 May 2016 1:17
Operator : UM/SJ
Sample : H3092-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XD1

Quant Time: May 19 03:54:03 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 7:08:52 PM



TIC: BG021948.D

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

28.936min (-0.013) 0.94ng/ul

response 8946

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	22.97
277.00	23.80	21.10
0.00	0.00	0.00

Quantitation Report (Qedit)

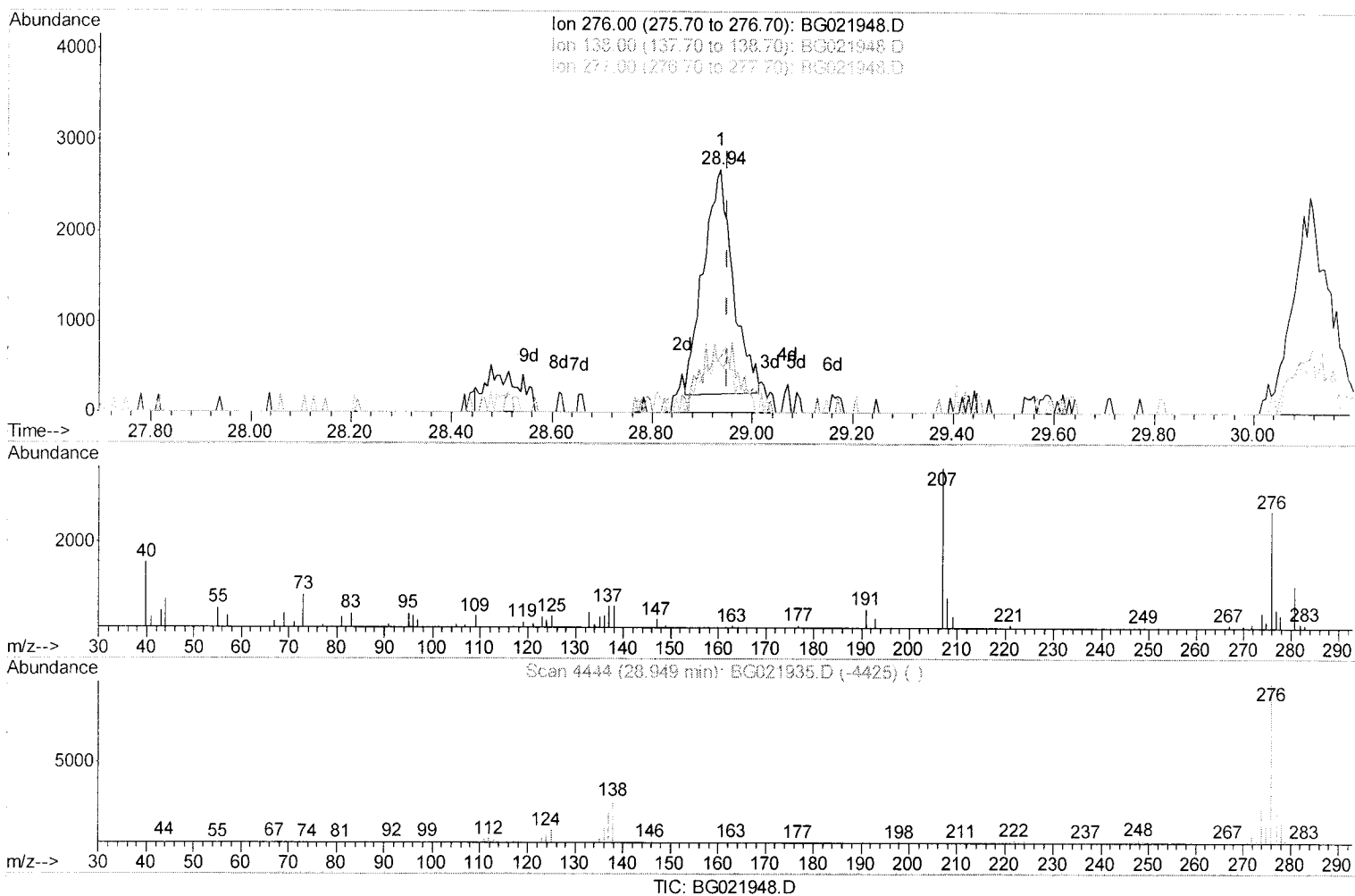
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XD1

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:08:52 PM

Quant Time: May 19 03:54:03 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

28.936min (-0.013) 1.07ng/ul m

response 10127

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	22.97
277.00	23.80	21.10
0.00	0.00	0.00

U.M.
 05/20/16

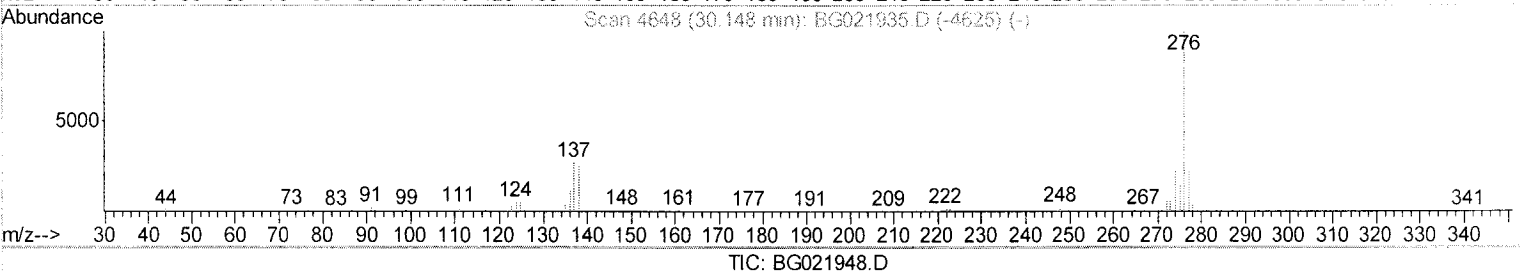
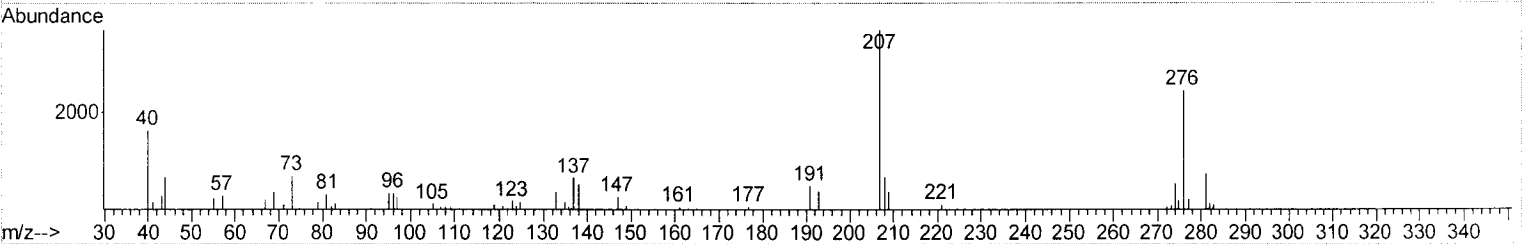
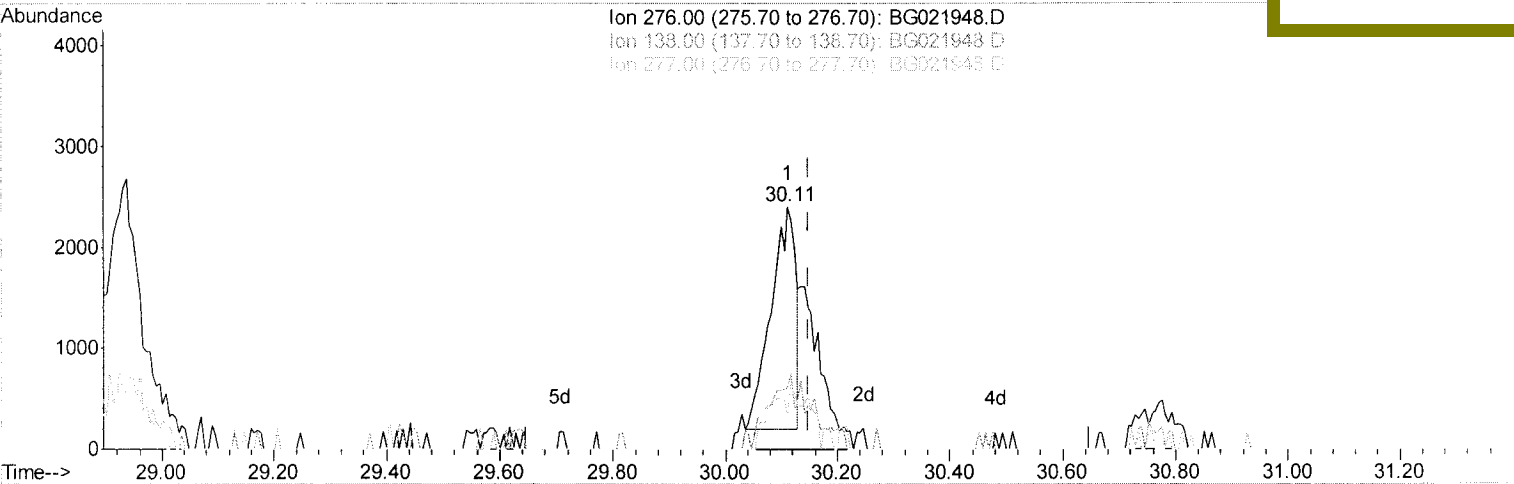
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
Data File : BG021948.D
Acq On : 19 May 2016 1:17
Operator : UM/SJ
Sample : H3092-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XD1

Manual Integrations
APPROVED

sohil
5/19/2016 7:08:52 PM

Quant Time: May 19 03:54:03 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

30.111min (-0.036) 0.83ng/ul

response 6698

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	25.45#
277.00	24.70	13.93#
0.00	0.00	0.00

Quantitation Report (Qedit)

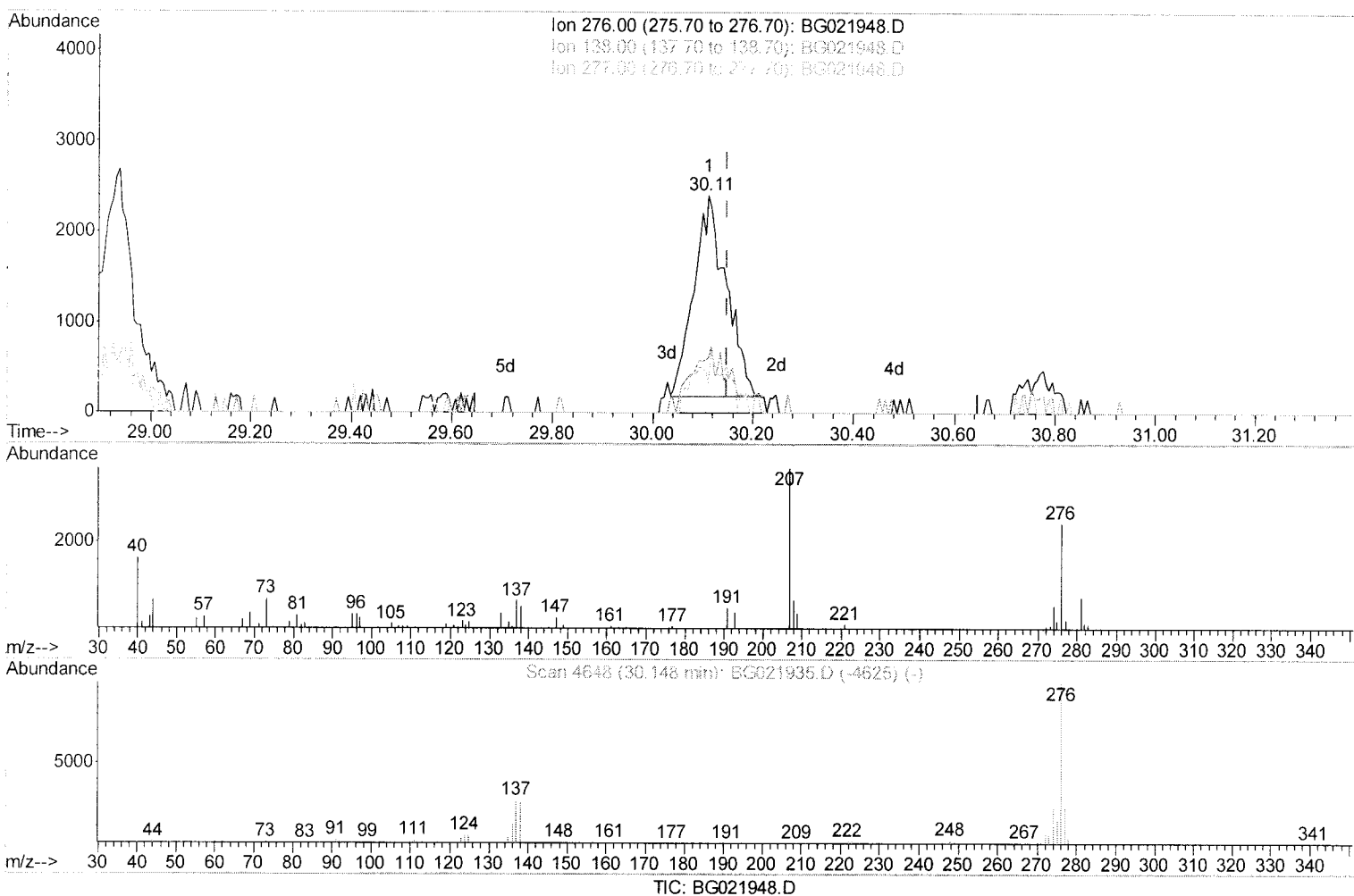
Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XD1

Manual Integrations
 APPROVED

sohil
 5/19/2016 7:08:52 PM

Quant Time: May 19 03:54:03 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

30.111min (-0.036) 1.24ng/ul m

response 9936

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	25.45#
277.00	24.70	13.93#
0.00	0.00	0.00

U.M.
 05/20/16

Data Path : Z:\HPCHEM1\BNA G\DATA\BG051816\
 Data File : BG021948.D
 Acq On : 19 May 2016 1:17
 Operator : UM/SJ
 Sample : H3092-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XD1

Quant Time: May 19 03:56:13 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 7:08:52 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	29274	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	155006	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	91633	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	188464	20.00	ng/ul	0.00
29) Chrysene-d12	21.80	240	164419	20.00	ng/ul	-0.01
34) Perylene-d12	25.13	264	152099	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	2327	3.65	ng/uL	0.00
3) Phenol-d5	7.31	99	35666	13.80	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	23018	16.72	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	34438	16.23	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	17823	7.74	ng/ul	0.00
8) Nitrobenzene-d5	9.34	128	18828	17.31	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	19941	17.19	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.60	165	33858	16.51	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	25011m	15.48	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	129869	18.38	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	176506	19.40	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	6849m	5.51	ng/ul	0.02
21) Fluorene-d10	15.77	176	117474	18.47	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	10918	11.67	ng/ul	0.00
26) Anthracene-d10	17.63	188	160013	18.43	ng/ul	0.00
30) Pyrene-d10	19.90	212	169220	19.51	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.90	264	128193	18.98	ng/ul	0.00

U.M.
 05/20/16

Target Compounds

					Ovalue	
25) Phenanthrene	17.57	178	17126	1.70	ng/ul	95
28) Fluoranthene	19.56	202	29660	2.83	ng/ul	96
31) Pvrene	19.93	202	28172m	2.49	ng/ul	
32) Benzo(a)anthracene	21.79	228	16617	1.82	ng/ul	94
33) Chrvsene	21.85	228	16767m	1.89	ng/ul	
35) Benzo(b)fluoranthene	24.07	252	27917	3.19	ng/ul#	91
38) Benzo(a)pvrene	24.98	252	14470	1.73	ng/ul#	91
39) Indeno(1,2,3-cd)pvrene	28.94	276	10127m	1.07	ng/ul	
41) Benzo(a,h,i)perylene	30.11	276	9936m	1.24	ng/ul	

U.M.
 05/20/16

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