

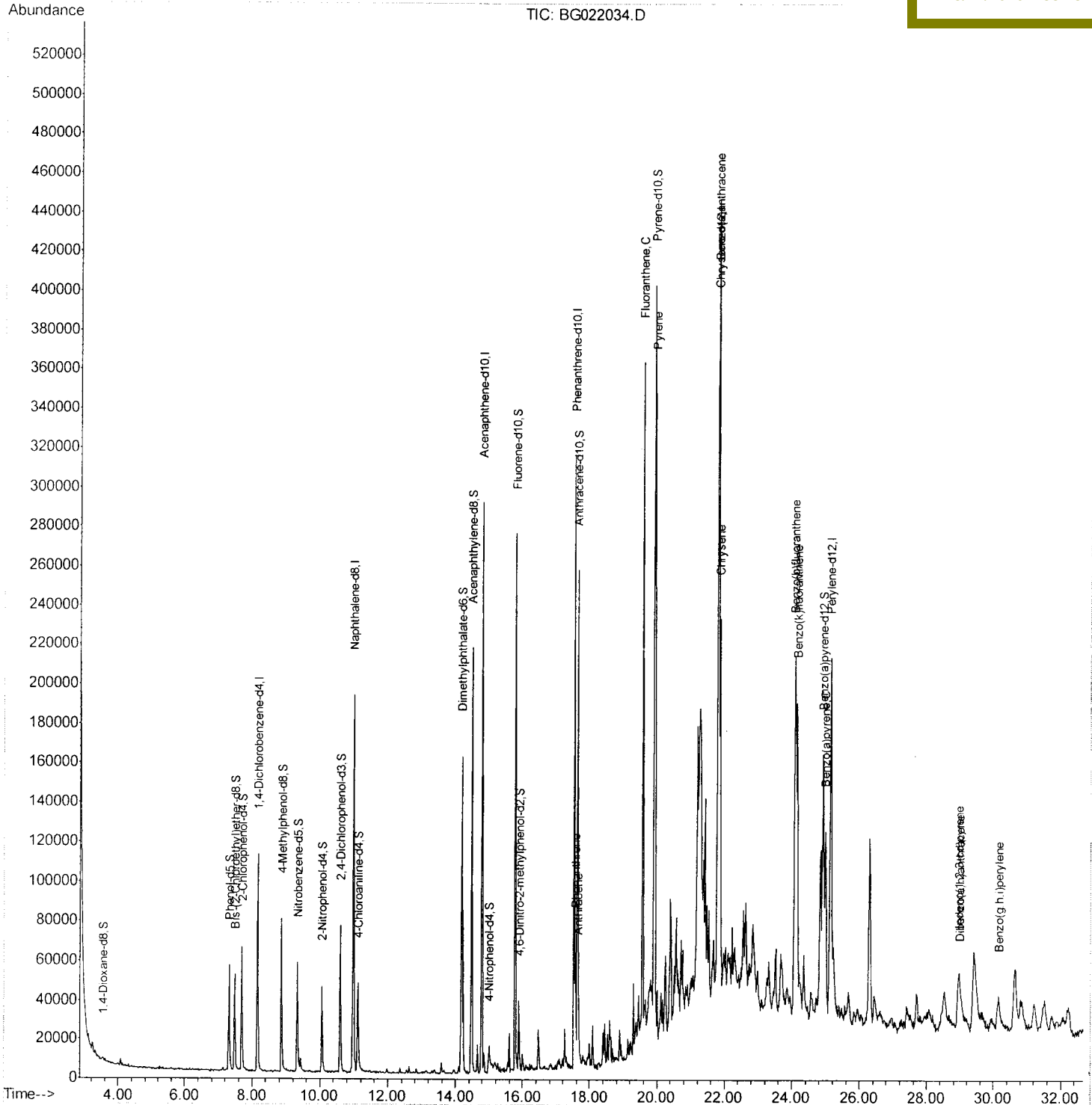
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
Data File : BG022034.D
Acq On : 23 May 2016 5:27
Operator : UM/SJ
Sample : H3203-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 24 13:18:25 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 08:11:42 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
D9XH6

Manual Integrations
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umangi
5/24/2016 7:33:43 PM



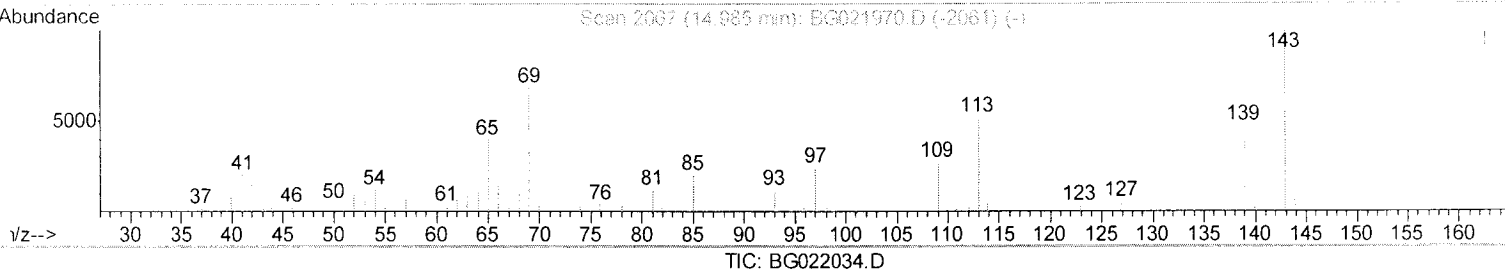
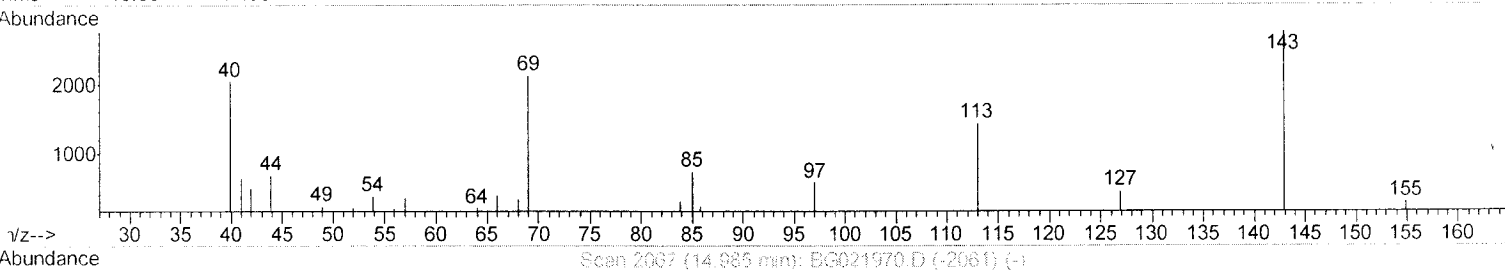
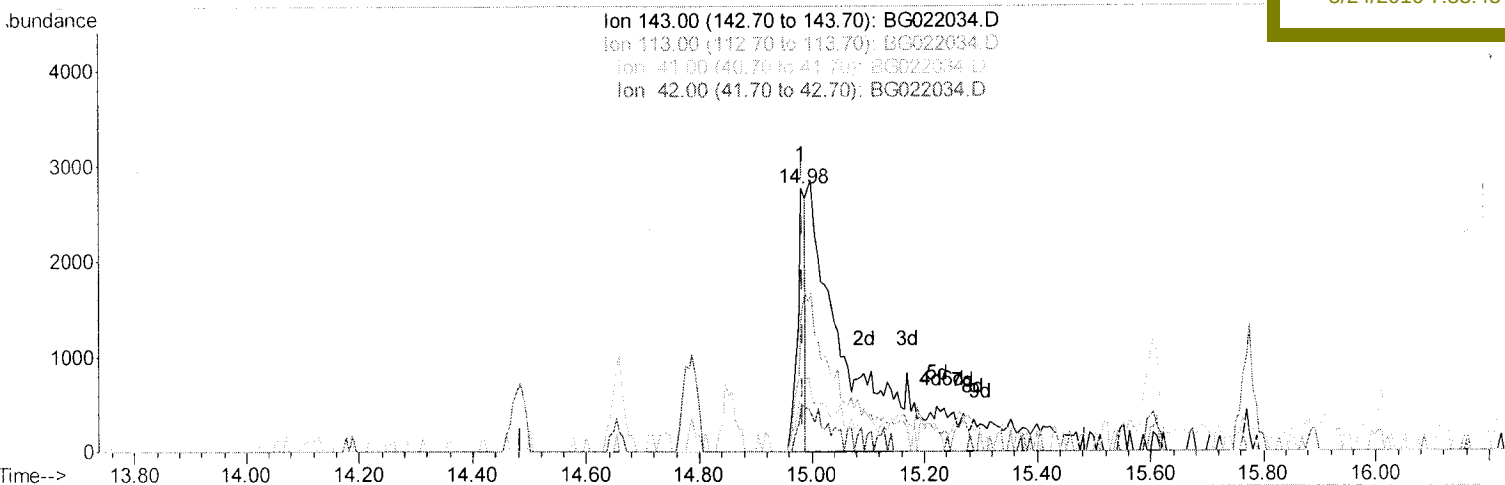
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
Data File : BG022034.D
Acq On : 23 May 2016 5:27
Operator : UM/SJ
Sample : H3203-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XH6

Manual Integrations
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Quant Time: May 24 13:08:51 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 08:11:42 2016
Response via : Initial Calibration



(20) 4-Nitrophenol-d4 (S)

14.982min (-0.003) 1.83ng/ul

response 2806

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	51.96#
41.00	49.70	23.48#
42.00	33.70	18.33#

Quantitation Report (Qedit)

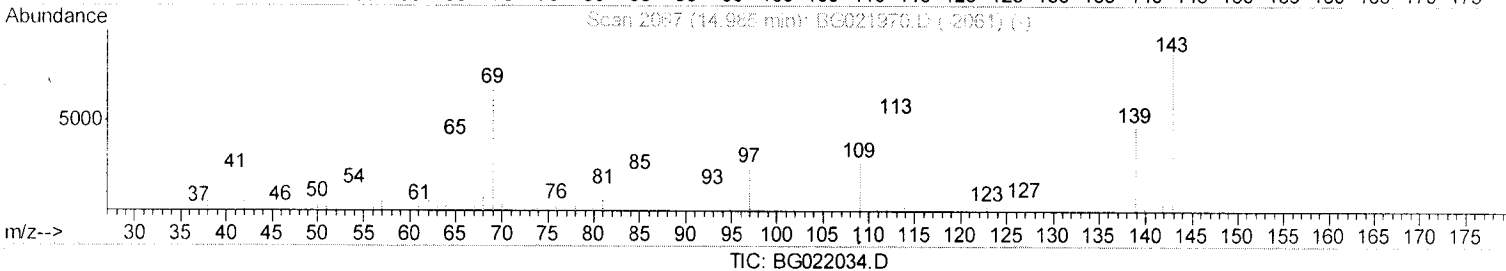
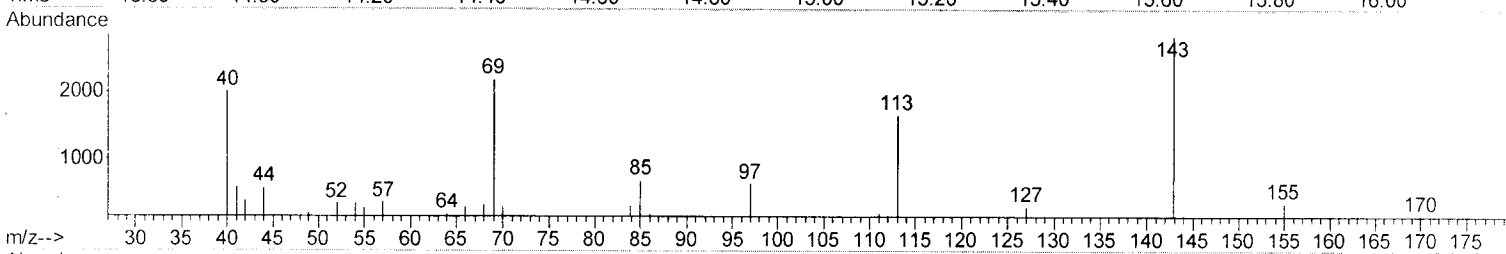
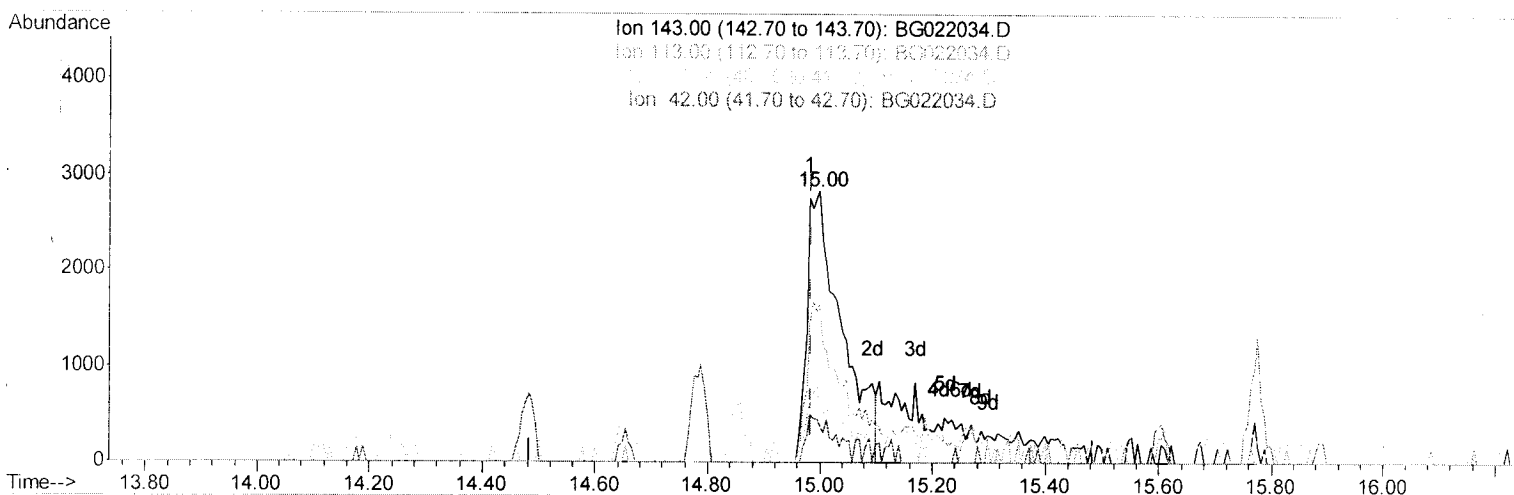
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 D9XH6

Manual Integrations
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Quant Time: May 24 13:08:51 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration



(20) 4-Nitrophenol-d4 (S)

14.999min (+0.015) 7.96ng/ul m

response 12217

Ion	Exp%	Act%
143.00	100	100
113.00	102.70	58.73#
41.00	49.70	20.85#
42.00	33.70	14.01#

0.17
 05/25/16

Quantitation Report (Qedit)

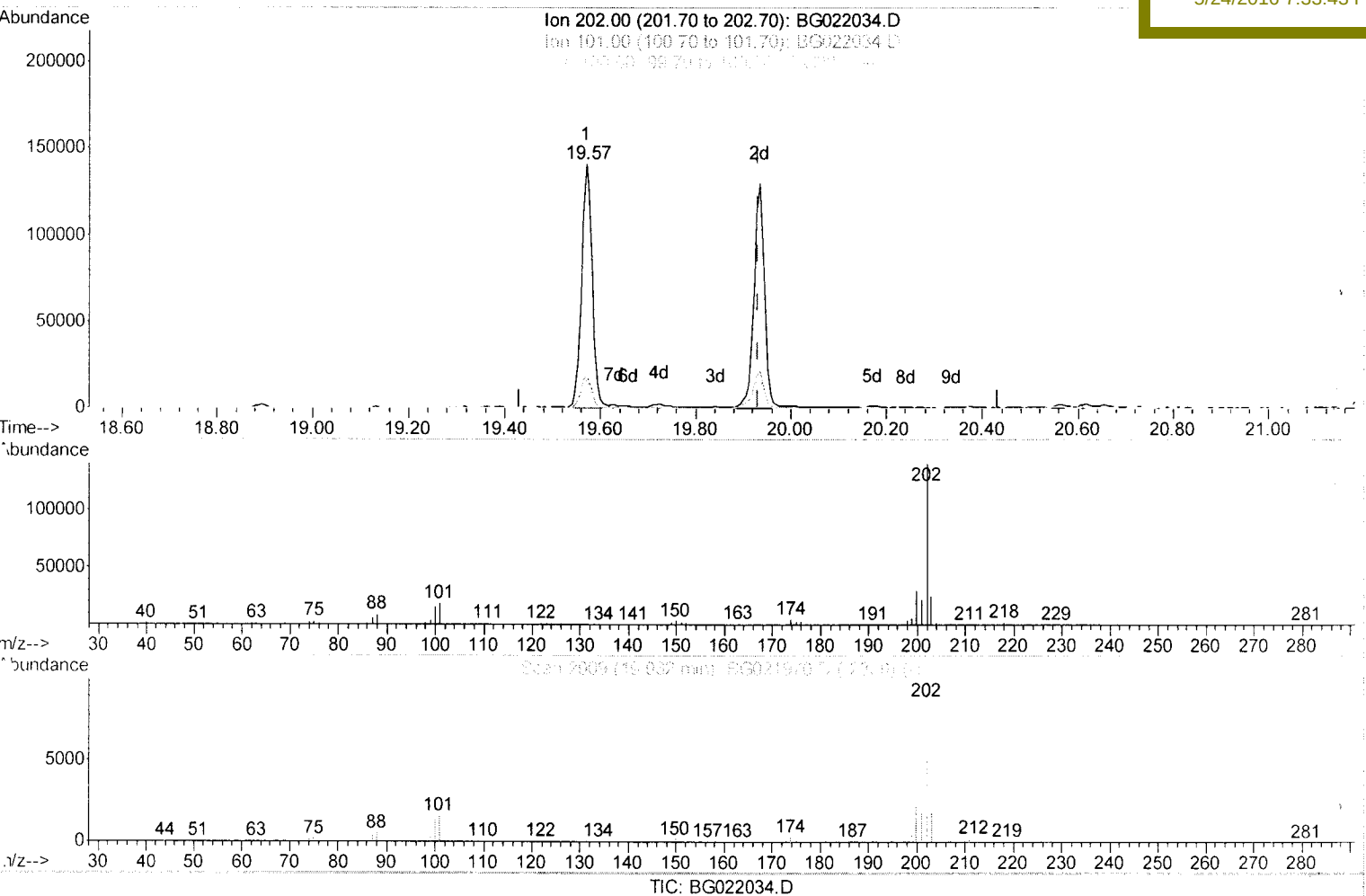
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Quant Time: May 24 13:08:51 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration

Manual Integrations
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(31) Pyrene

19.570min (-0.362) 15.85ng/ul

response 215205

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	13.25
100.00	11.60	11.20
0.00	0.00	0.00

Quantitation Report (Qedit)

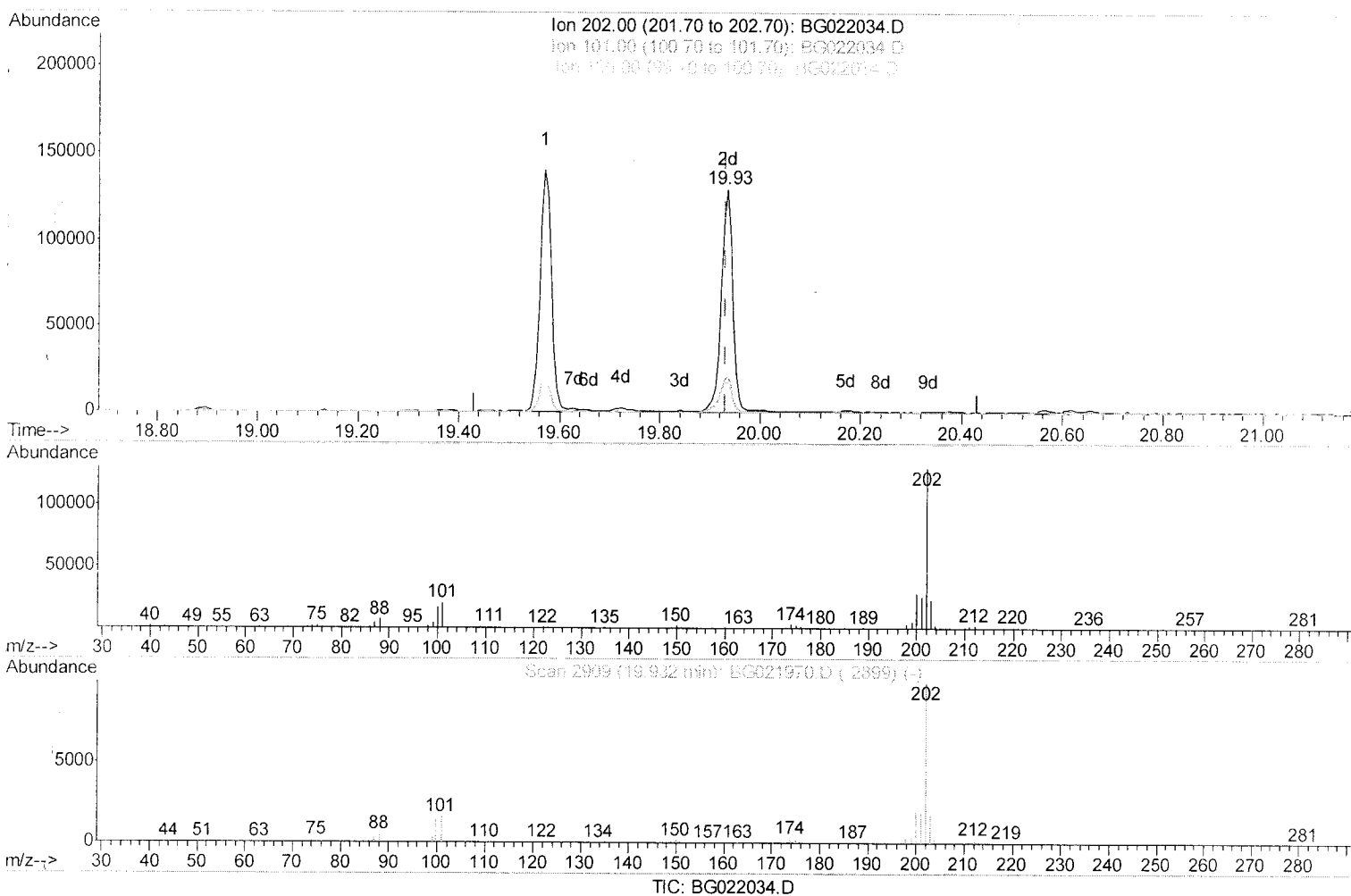
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Manual Integrations
 APPROVED

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Quant Time: May 24 13:08:51 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration



(31) Pyrene

19.935min (+0.003) 15.02ng/ul m

response 203825

Ion	Exp%	Act%
202.00	100	100
101.00	12.30	16.02#
100.00	11.60	13.22
0.00	0.00	0.00

0.17
 05/25/16

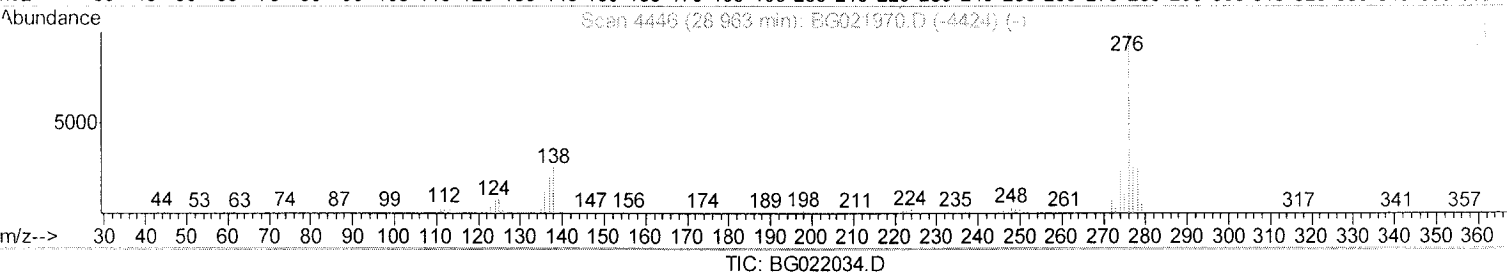
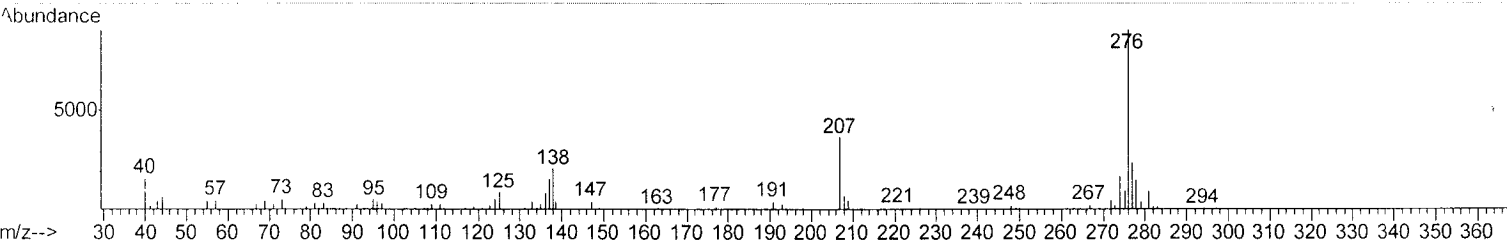
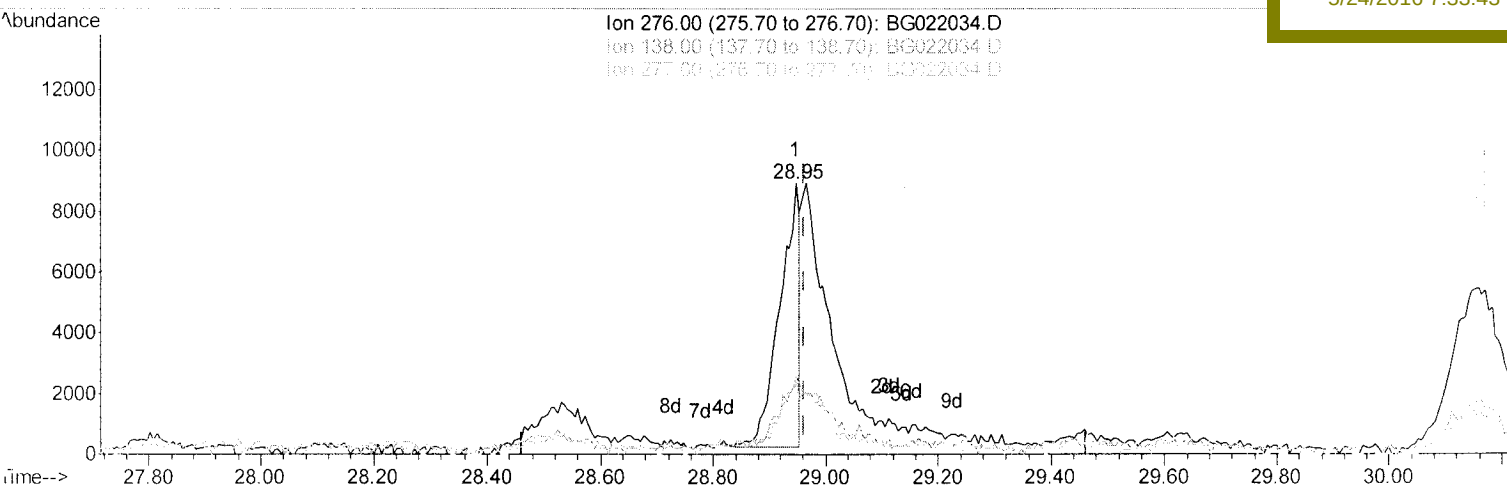
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
Data File : BG022034.D
Acq On : 23 May 2016 5:27
Operator : UM/SJ
Sample : H3203-12
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9XH6

Manual Integrations
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Quant Time: May 24 13:08:51 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 20 08:11:42 2016
Response via : Initial Calibration



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

28.948min (-0.015) 1.82ng/ul

response 21477

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	29.30#
277.00	23.80	26.98
0.00	0.00	0.00

Quantitation Report (Qedit)

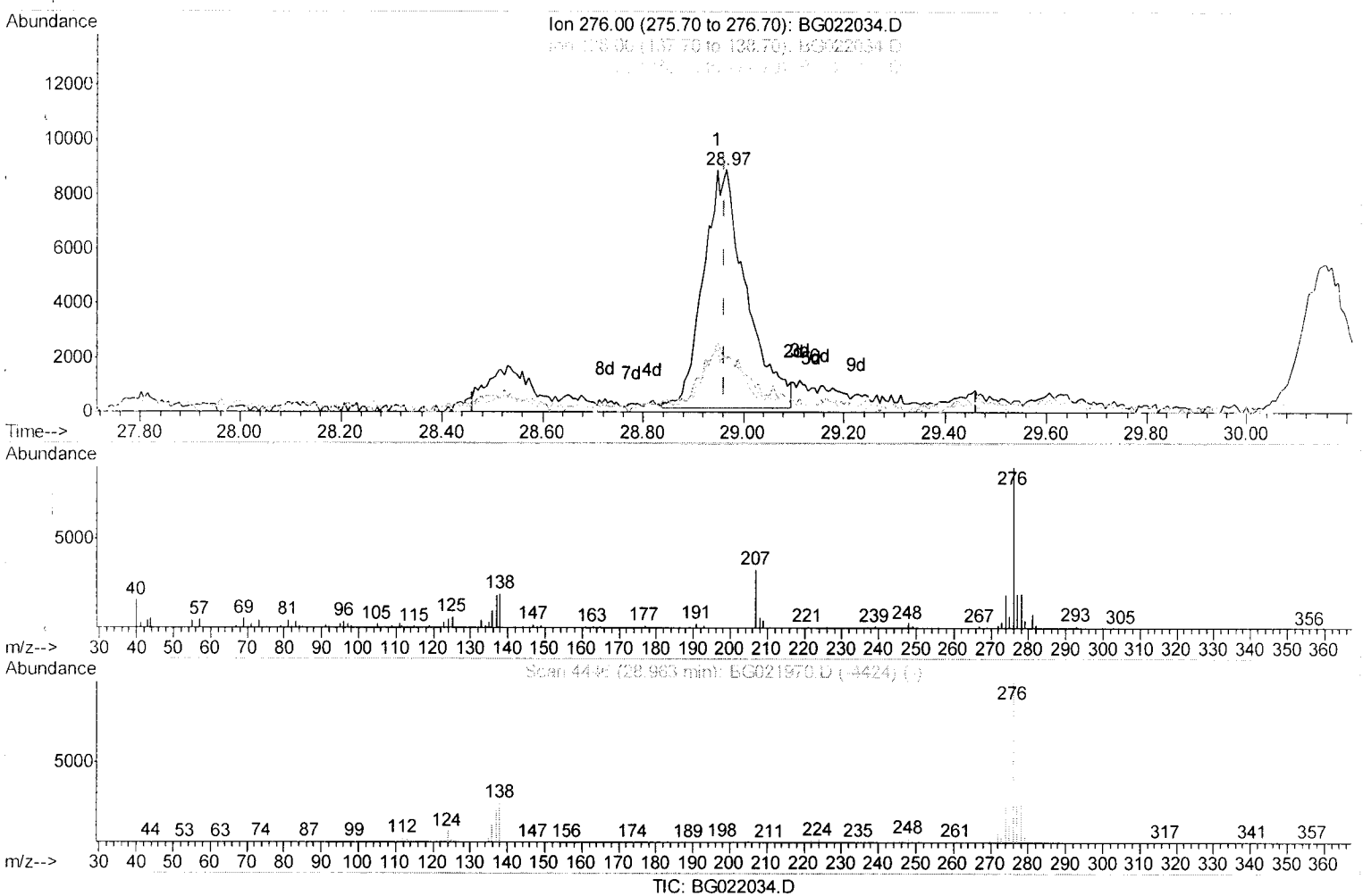
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Manual Integrations
 APPROVED

umangi
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Quant Time: May 24 13:08:51 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration



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

28.965min (+0.003) 4.38ng/ul m> 0.11
05/25/16

response 51718

Ion	Exp%	Act%
276.00	100	100
138.00	19.70	22.87
277.00	23.80	22.45
0.00	0.00	0.00

Quantitation Report (Qedit)

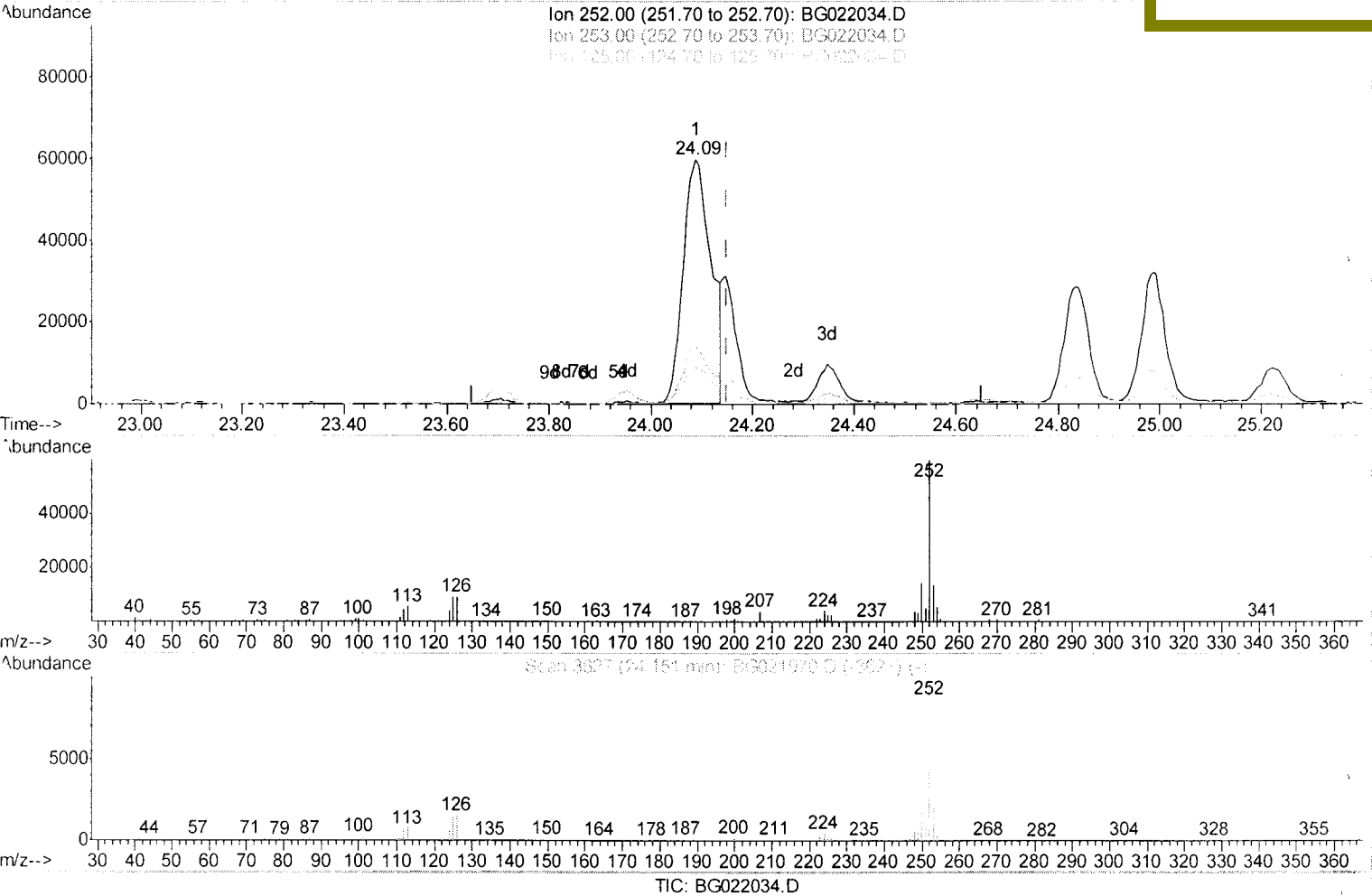
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
ClientSampleId :
 D9XH6

Manual Integrations
APPROVED

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Quant Time: May 24 13:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration



(36) Benzo(k)fluoranthene

24.089min (-0.062) 20.95ng/ul

response 224003

Ion	Exp%	Act%
252.00	100	100
253.00	22.30	23.04
125.00	9.60	15.20#
0.00	0.00	0.00

Quantitation Report (Qedit)

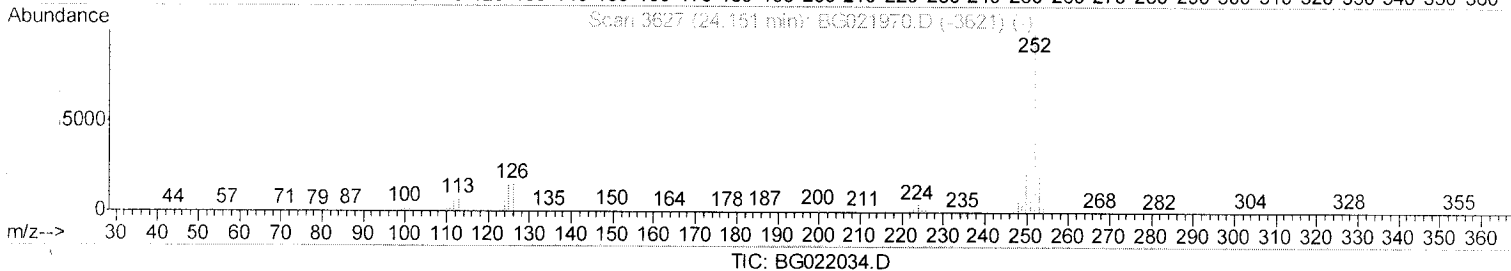
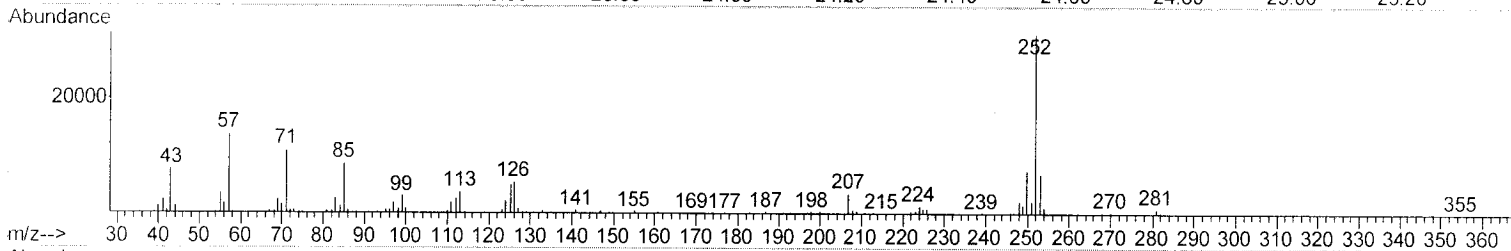
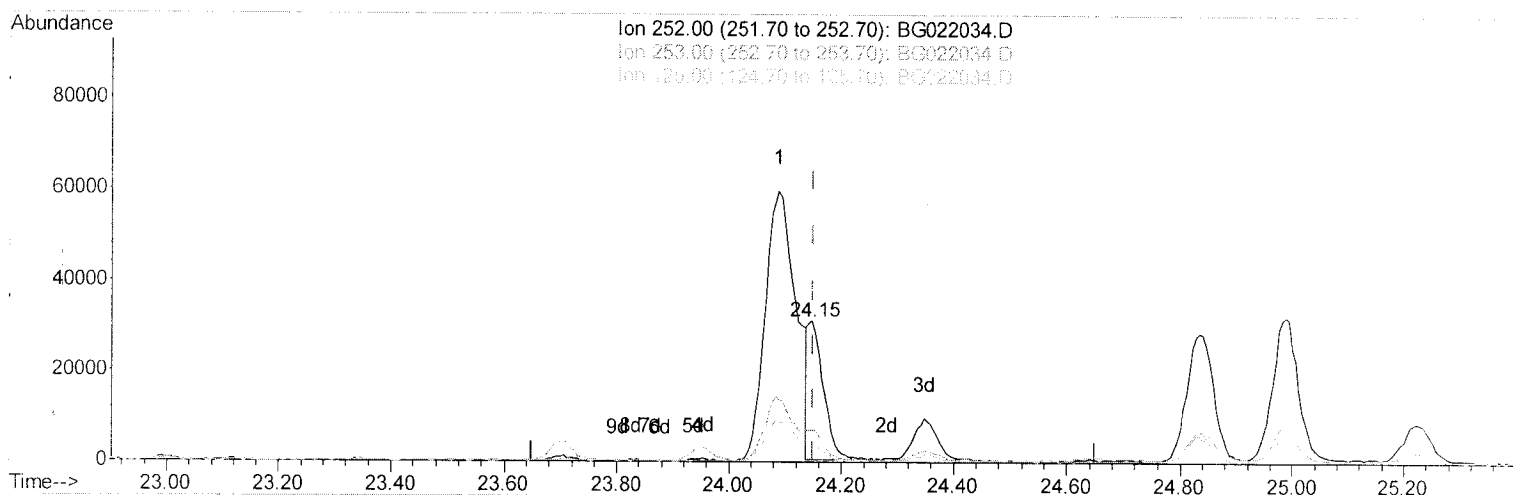
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Manual Integrations
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Quant Time: May 24 13:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration



(36) Benzo(k)fluoranthene

24.147min (-0.003) 5.53ng/ul m

response 59100

Ion Exp% Act%

252.00 100 100

253.00 22.30 22.46

125.00 9.60 16.01#

0.00 0.00 0.00

0.17
 05/25/16

Quantitation Report (Qedit)

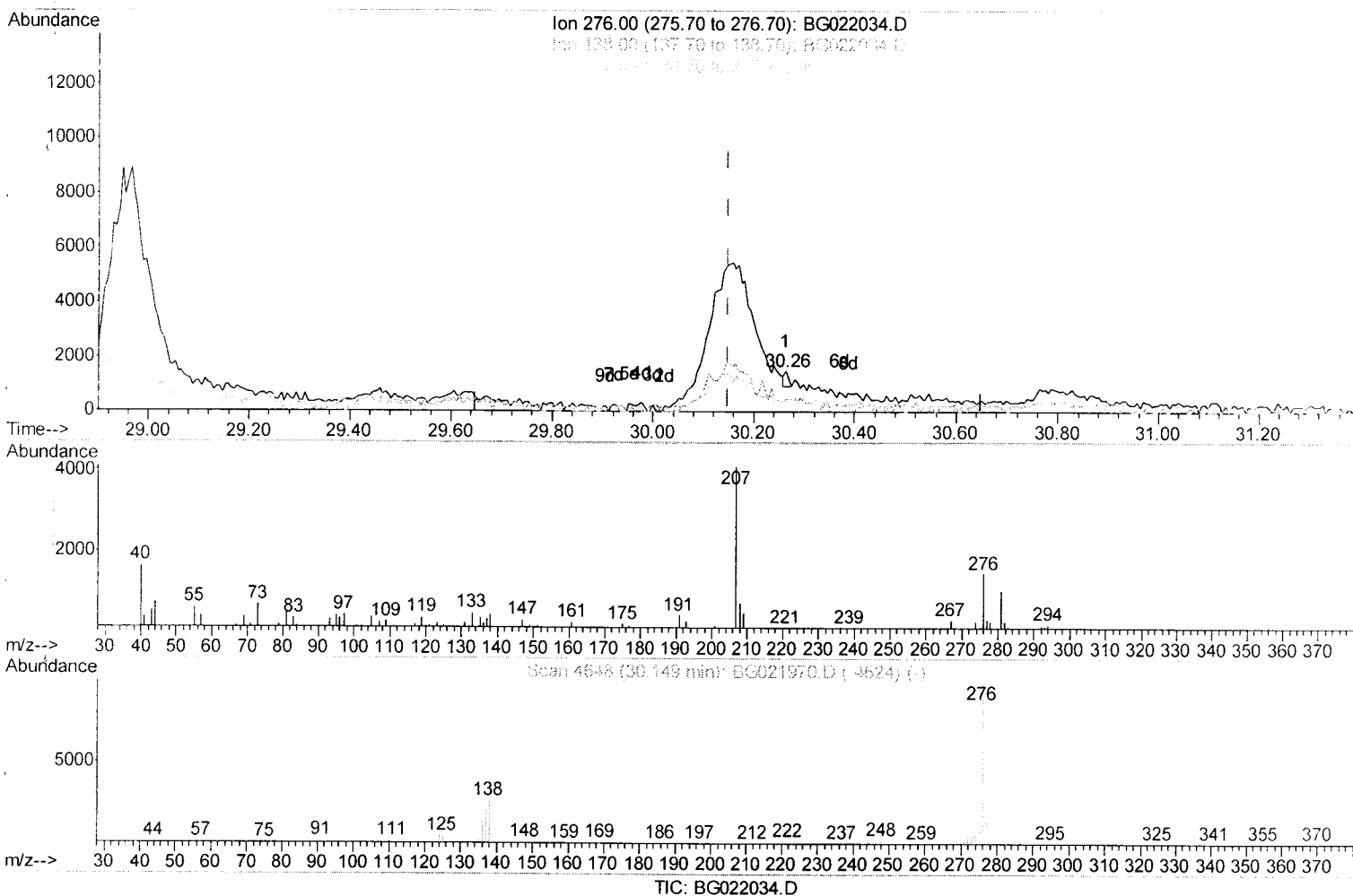
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Manual Integrations
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Quant Time: May 24 13:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration



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

30.264min (+0.114) 0.03ng/ui

response 270

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	31.43#
277.00	24.70	24.60
0.00	0.00	0.00

Quantitation Report (Qedit)

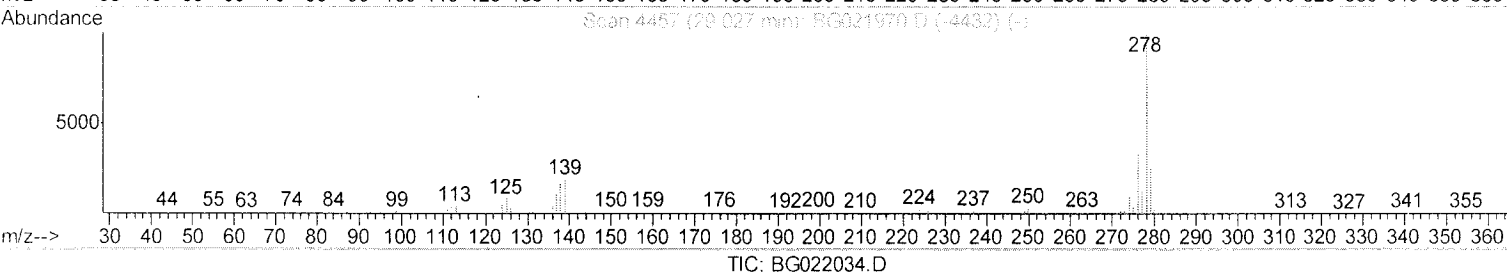
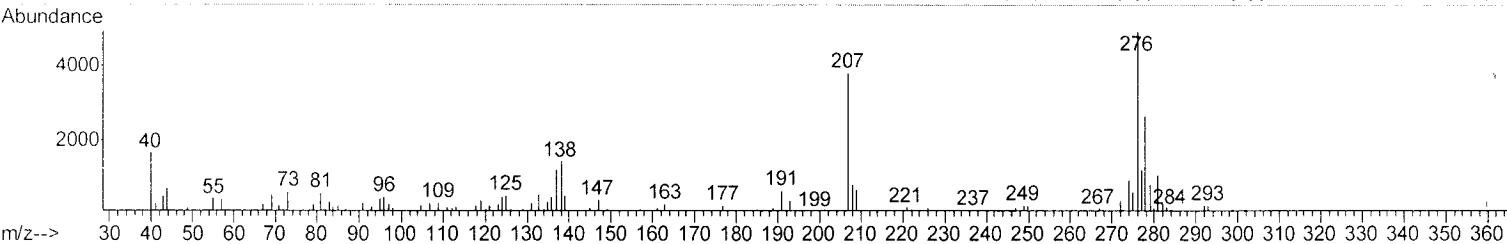
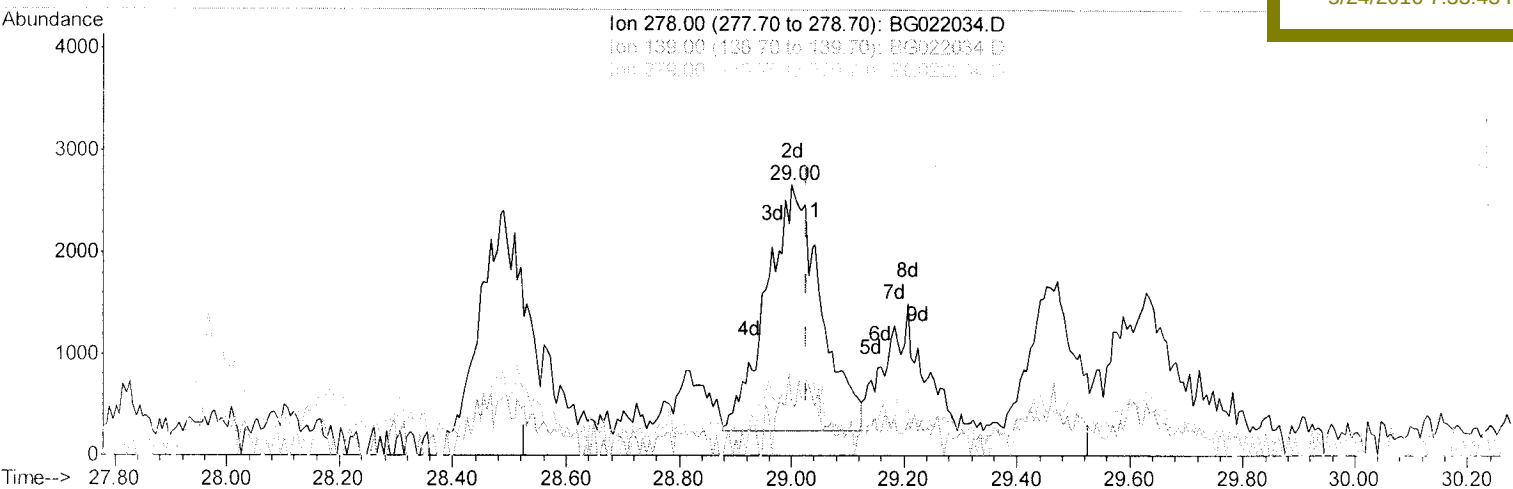
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Quant Time: May 24 13:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration

Manual Integrations
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(40) Dibenzo(a,h)anthracene

29.001min (-0.027) 1.66ng/ul m $\rightarrow$ 0.1m
 response 16274 05/25/16

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	20.32#
279.00	24.80	31.27#
0.00	0.00	0.00

Quantitation Report (Qedit)

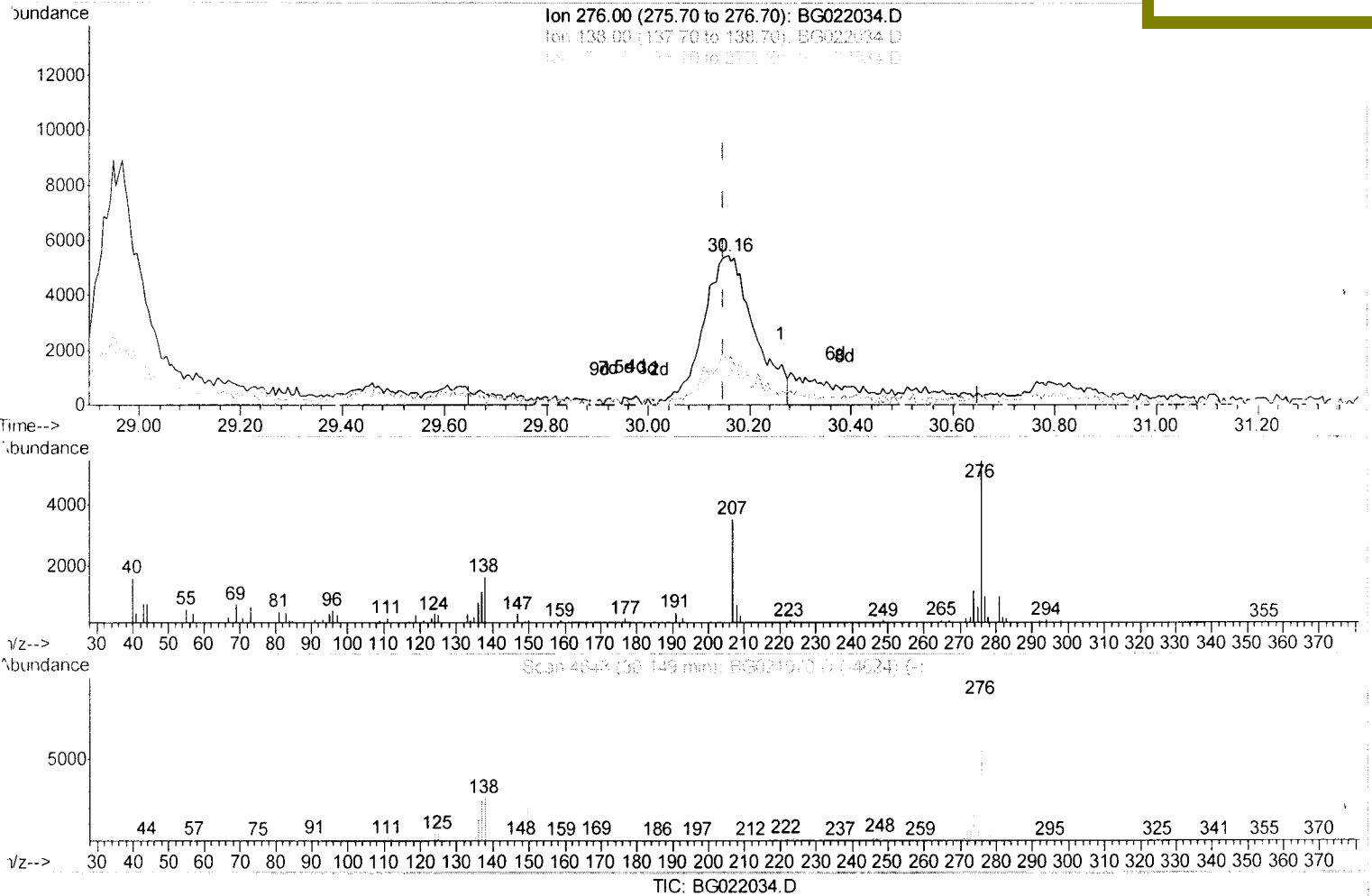
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Quant Time: May 24 13:14:30 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration

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

30.158min (+0.009) 3.83ng/ul m } 0.07
 response 38273 05/25/16

Ion	Exp%	Act%
276.00	100	100
138.00	17.40	30.29#
277.00	24.70	18.90#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Manual Integrations
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Quant Time: May 24 13:18:25 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 20 08:11:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	41648	20.00	ng/ul	0.00
7) Naphthalene-d8	10.98	136	210503	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.78	164	113186	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.53	188	217181	20.00	ng/ul	0.00
29) Chrysene-d12	21.81	240	197094	20.00	ng/ul	0.00
34) Perylene-d12	25.14	264	189108	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.54	96	1012	1.11	ng/uL	0.00
3) Phenol-d5	7.31	99	50996	13.87	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.48	67	28563	14.58	ng/ul	0.00
5) 2-Chlorophenol-d4	7.69	132	44651	14.79	ng/ul	0.00
6) 4-Methylphenol-d8	8.87	113	45276	13.82	ng/ul	0.00
8) Nitrobenzene-d5	9.33	128	23370	15.82	ng/ul	0.00
9) 2-Nitrophenol-d4	10.06	143	23808	15.11	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.59	165	41852	15.03	ng/ul	0.00
12) 4-Chloroaniline-d4	11.12	131	41829	19.07	ng/ul	0.00
16) Dimethylphthalate-d6	14.18	166	138079	15.82	ng/ul	0.00
17) Acenaphthylene-d8	14.48	160	191010	16.99	ng/ul	0.00
20) 4-Nitrophenol-d4	15.00	143	12217m	7.96	ng/ul	0.01
21) Fluorene-d10	15.77	176	122935	15.65	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.89	200	10898	10.11	ng/ul	0.00
26) Anthracene-d10	17.63	188	168355	16.83	ng/ul	0.00
30) Pyrene-d10	19.91	212	172465	16.58	ng/ul	0.00
37) Benzo(a)pyrene-d12	24.91	264	141788	16.88	ng/ul	0.00

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Target Compounds

					Qvalue
25) Phenanthrene	17.57	178	37458	3.23	ng/ul 98
27) Anthracene	17.66	178	24538	2.10	ng/ul 98
28) Fluoranthene	19.57	202	215205	17.84	ng/ul# 94
31) Pyrene	19.93	202	203825m	15.02	ng/ul
32) Benzo(a)anthracene	21.79	228	149237	13.65	ng/ul 97
33) Chrysene	21.86	228	148973	14.01	ng/ul 96
35) Benzo(b)fluoranthene	24.09	252	224003	20.61	ng/ul# 95
36) Benzo(k)fluoranthene	24.15	252	59100m	5.53	ng/ul
38) Benzo(a)pyrene	24.99	252	104695	10.07	ng/ul# 90
39) Indeno(1,2,3-cd)pyrene	28.97	276	51718m	4.38	ng/ul
40) Dibenzo(a,h)anthracene	29.00	278	16274m	1.66	ng/ul
41) Benzo(g,h,i)perylene	30.16	276	38273m	3.83	ng/ul

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

Quantitation Report (Qedit)

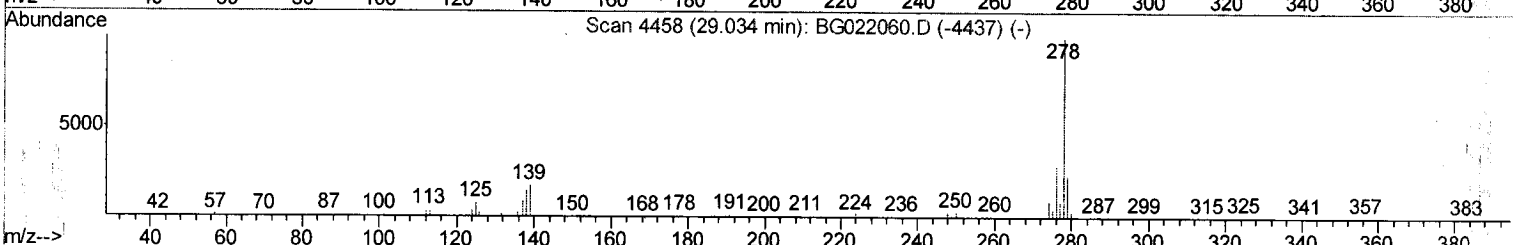
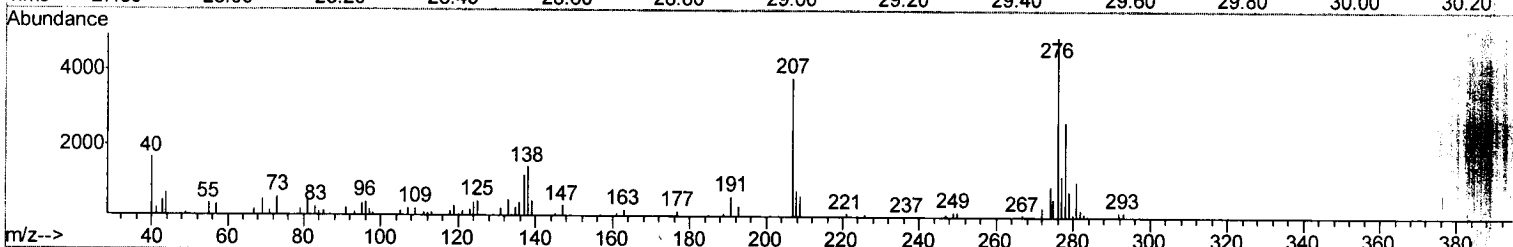
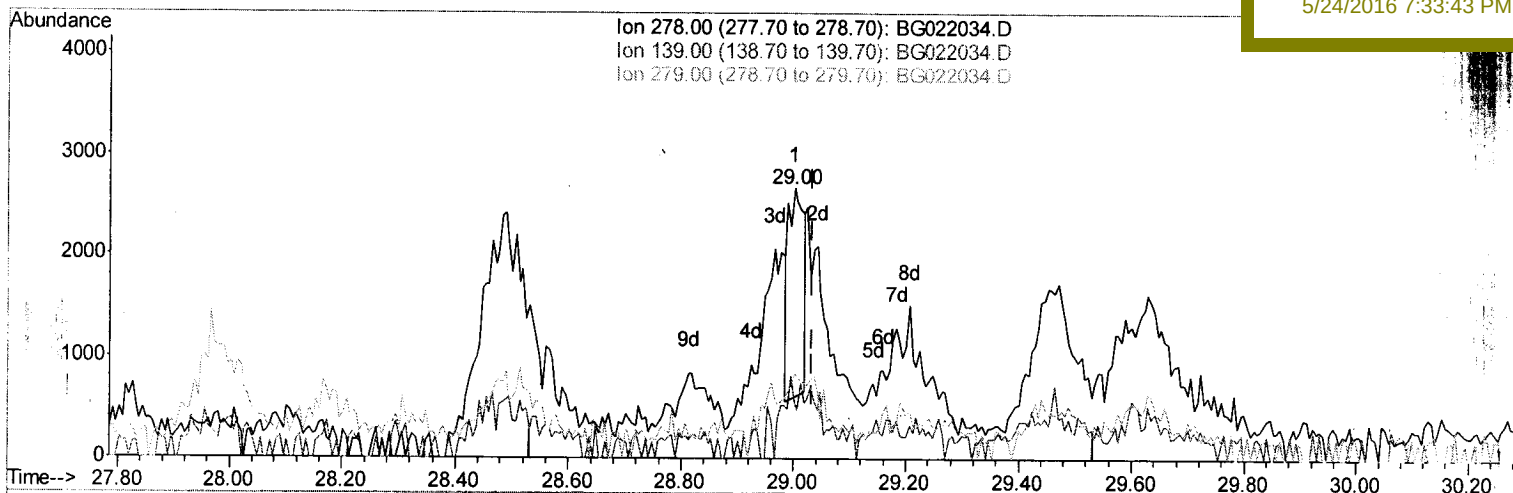
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052216\
 Data File : BG022034.D
 Acq On : 23 May 2016 5:27
 Operator : UM/SJ
 Sample : H3203-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 02 05:14:18 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG051816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 26 03:11:46 2016
 Response via : Initial Calibration

Instrument :
 BNA_G
 ClientSampleId :
 D9XH6

Manual Integrations
 APPROVED

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TIC: BG022034.D

(40) Dibenzo(a,h)anthracene

29.001min (-0.033) 0.40ng/ul

response 3959

Ion	Exp%	Act%
278.00	100	100
139.00	15.10	20.32#
279.00	24.80	31.27#
0.00	0.00	0.00