

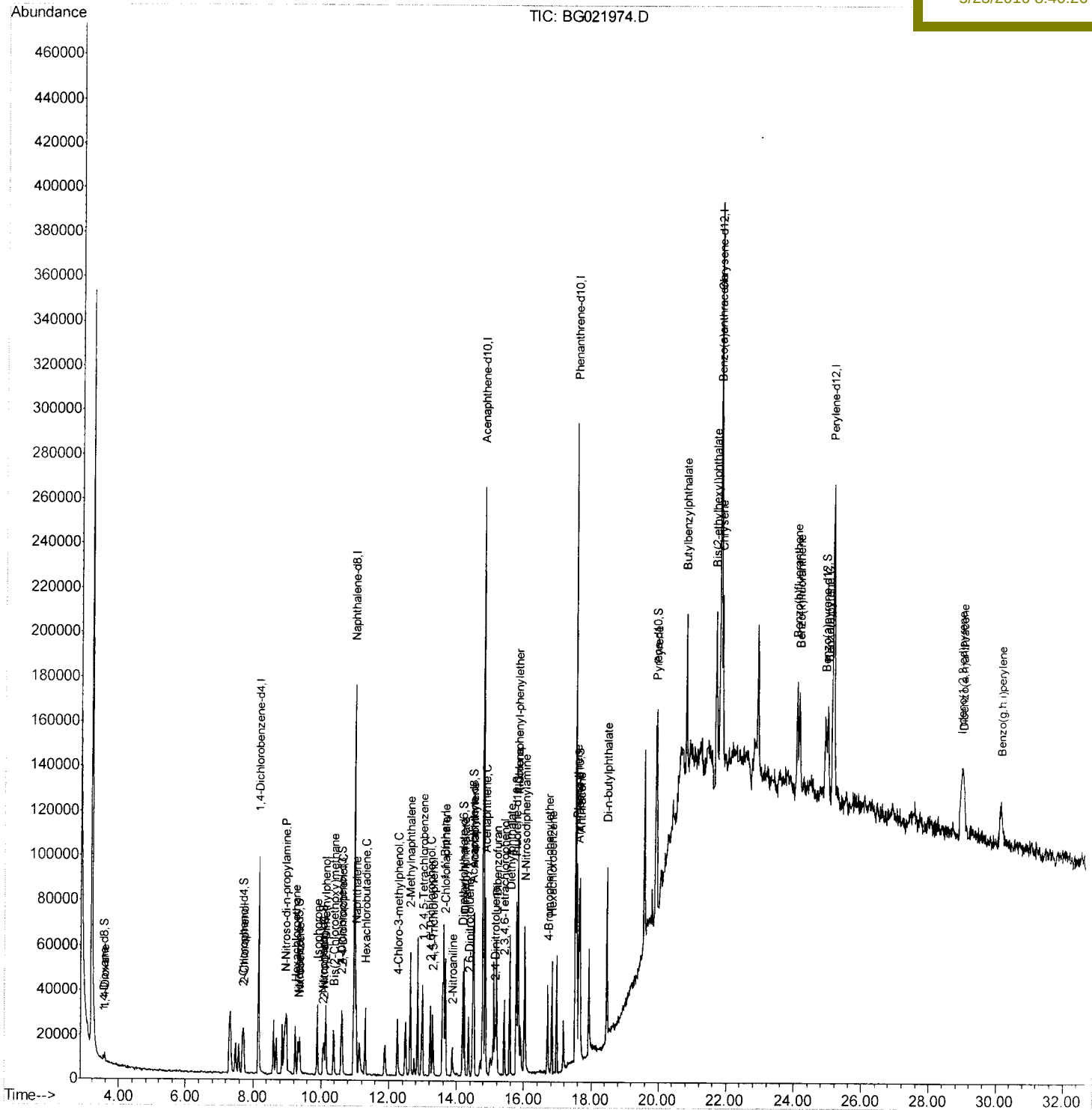
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
Data File : BG021974.D
Acq On : 21 May 2016 9:27
Operator : UM/SJ
Sample : SSTD00501
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 17:09:13 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 16:42:39 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD00501

Manual Integrations
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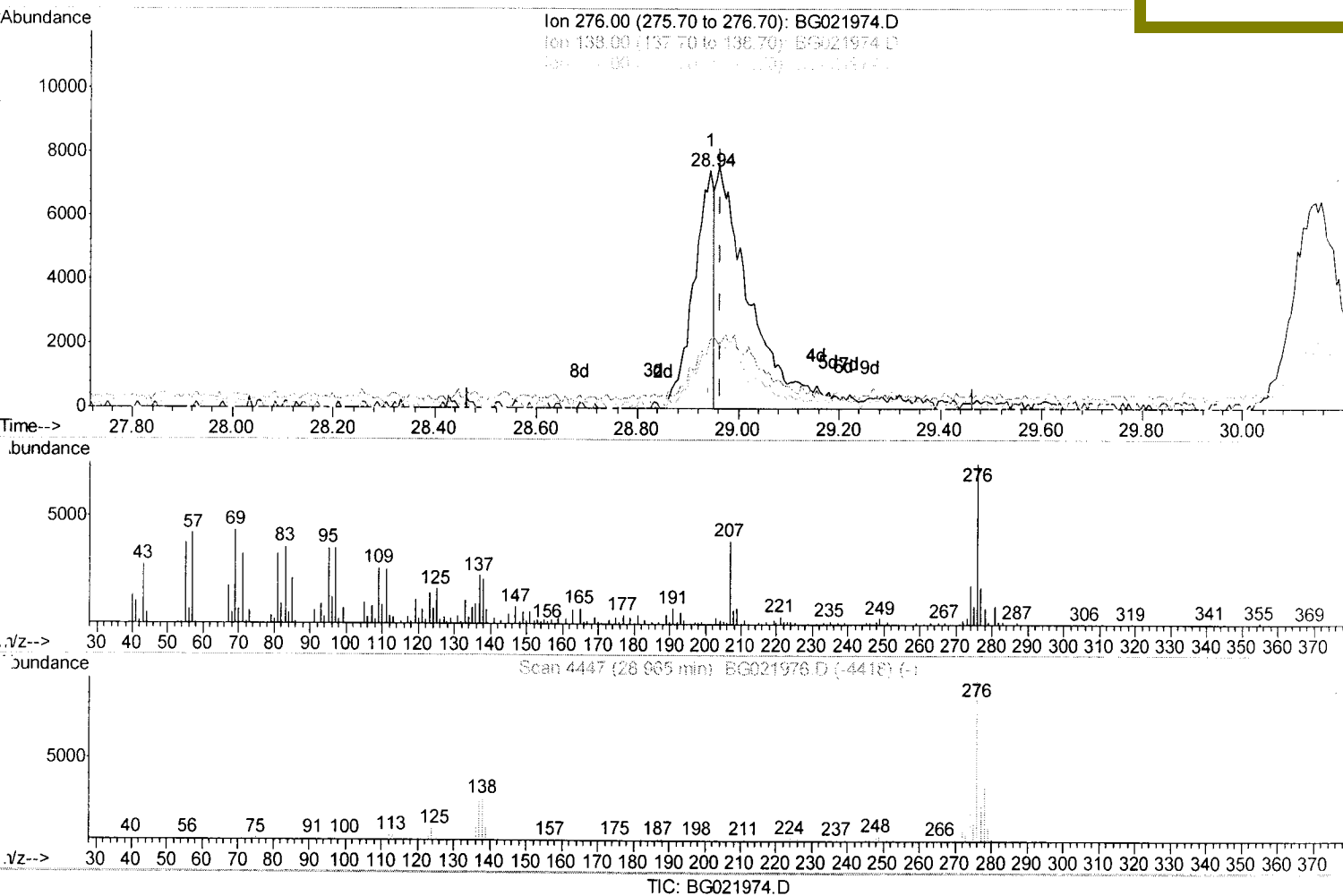
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
Data File : BG021974.D
Acq On : 21 May 2016 9:27
Operator : UM/SJ
Sample : SSTD00501
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
SSTD00501

Quant Time: May 23 17:00:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 16:42:39 2016
Response via : Initial Calibration

Manual Integrations
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(89) Indeno(1,2,3-cd)pyrene

28.944min (-0.021) 1.98ng/ul

response 20321

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	28.73
277.00	22.00	25.01
0.00	0.00	0.00

Quantitation Report (Qedit)

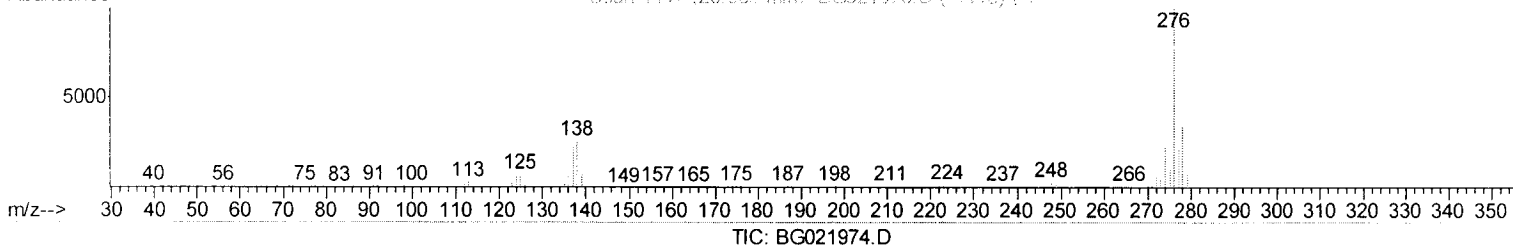
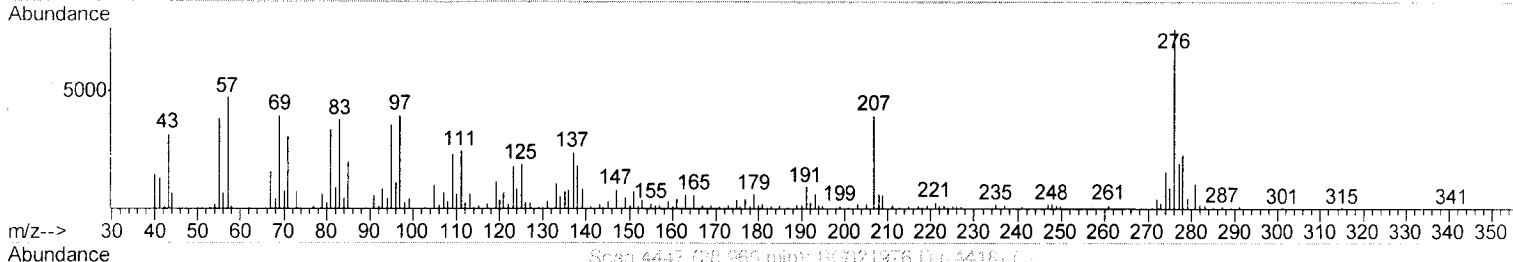
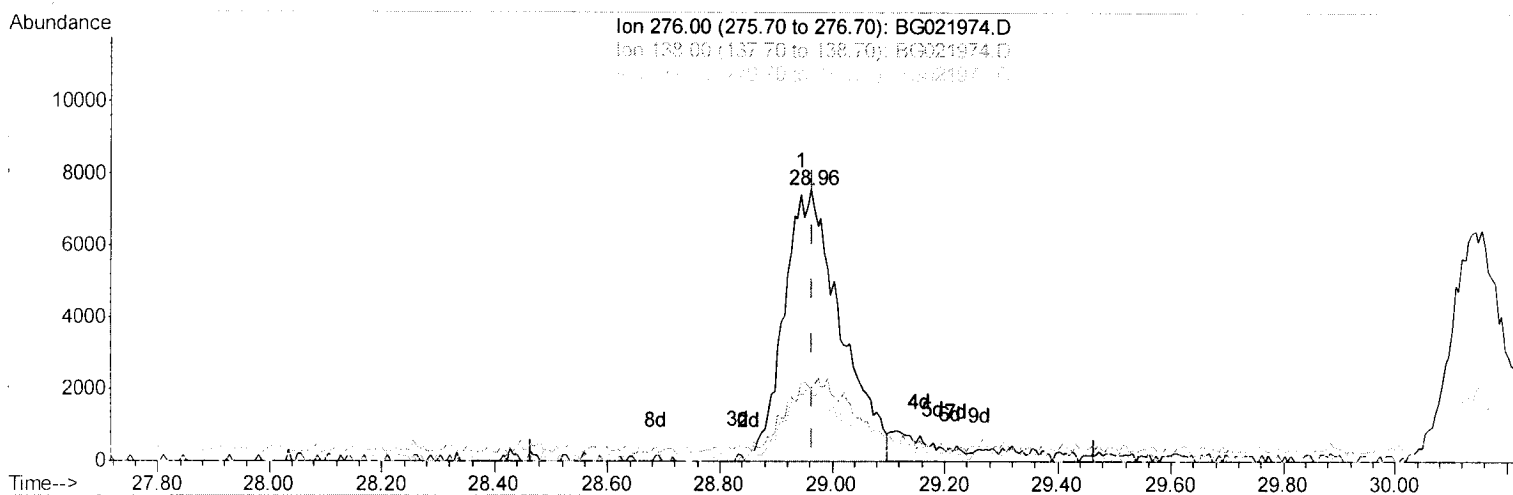
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
 Data File : BG021974.D
 Acq On : 21 May 2016 9:27
 Operator : UM/SJ
 Sample : SSTD00501
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampled :
 SSTD00501

Manual Integrations
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Quant Time: May 23 17:00:24 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 16:42:39 2016
 Response via : Initial Calibration



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

28.962min (-0.003) 5.14ng/ul m

response 52615

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	25.83
277.00	22.00	26.71#
0.00	0.00	0.00

U.M.
 05/24/16

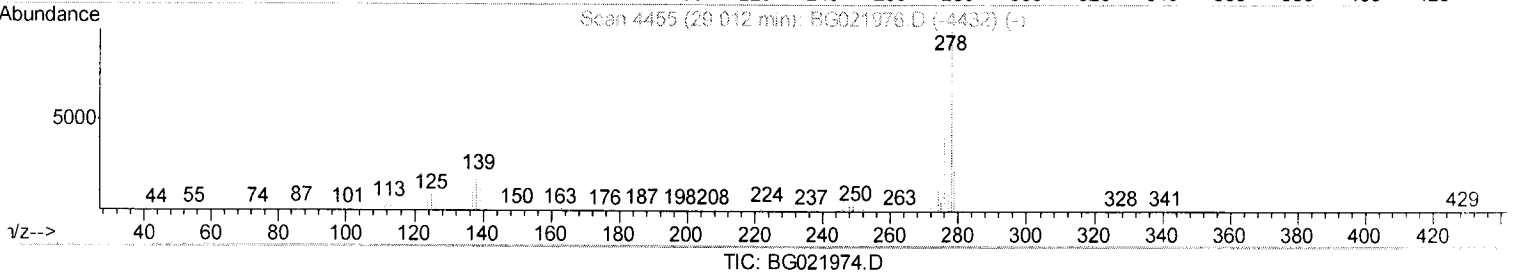
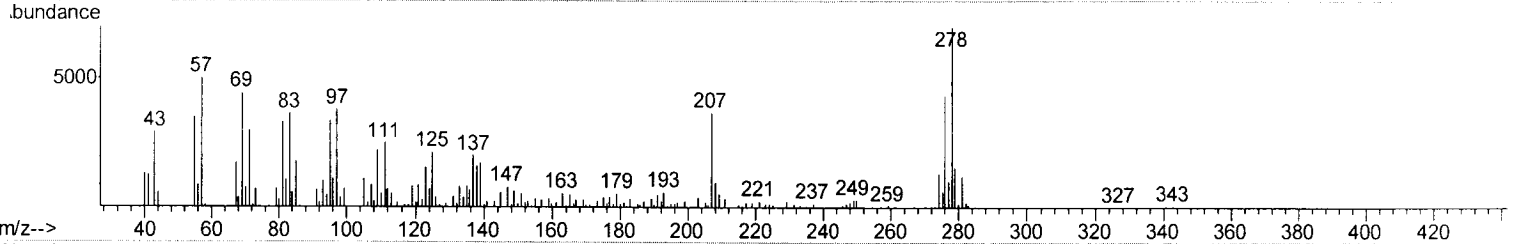
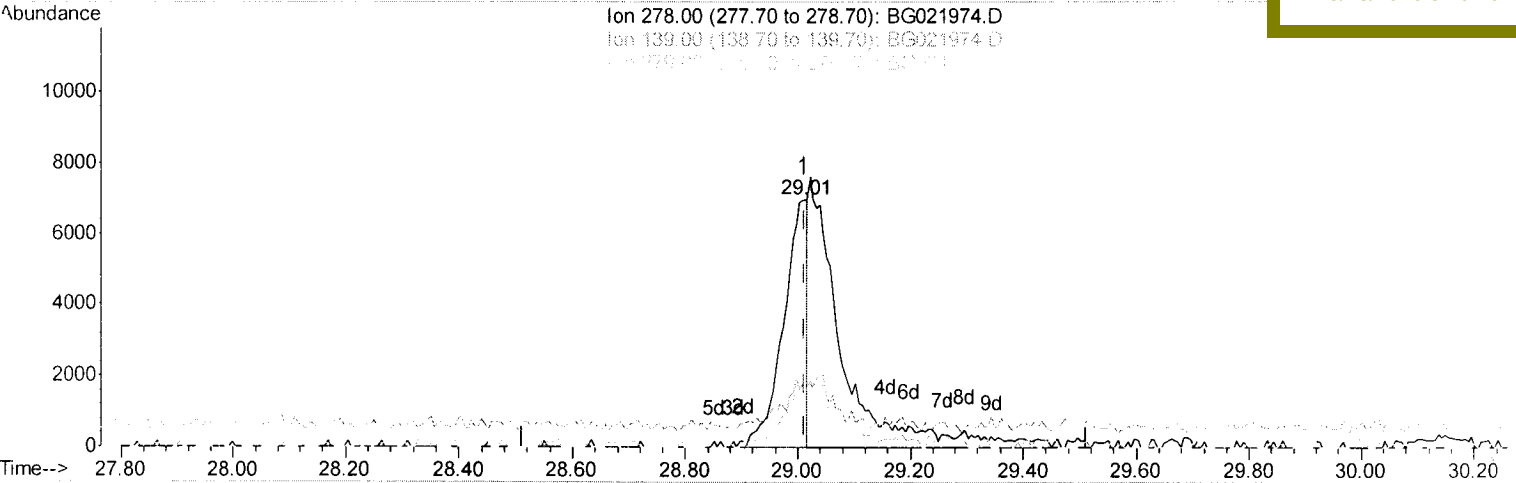
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
Data File : BG021974.D
Acq On : 21 May 2016 9:27
Operator : UM/SJ
Sample : SSTD00501
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 17:00:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 16:42:39 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTD00501

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

29.009min (-0.003) 2.34ng/ul

response 20003

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	26.06#
279.00	23.90	23.49
0.00	0.00	0.00

Quantitation Report (Qedit)

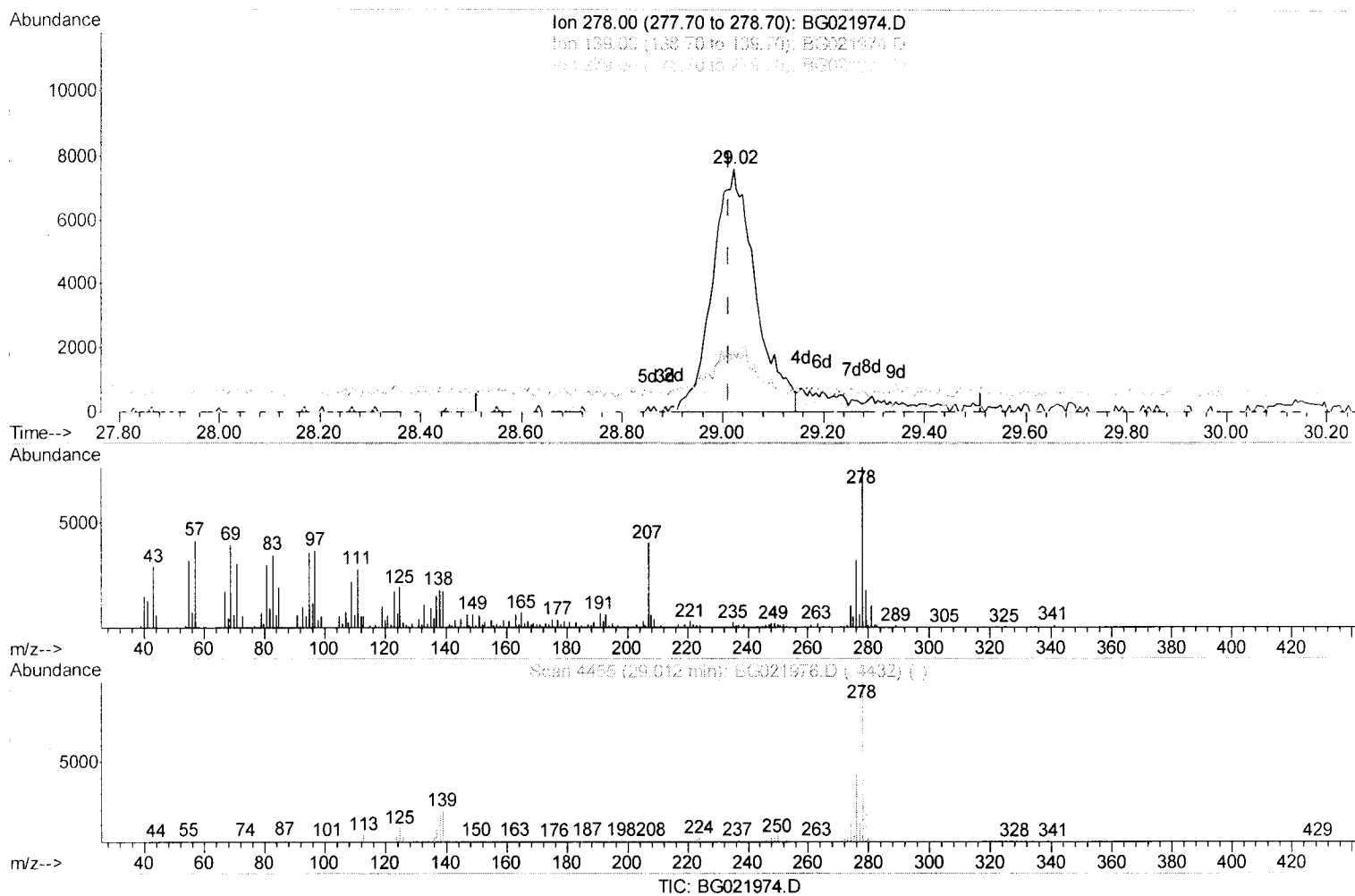
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
 Data File : BG021974.D
 Acq On : 21 May 2016 9:27
 Operator : UM/SJ
 Sample : SSTD00501
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD00501

Manual Integrations
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Quant Time: May 23 17:00:24 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 16:42:39 2016
 Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.021min (+0.009) 5.28ng/ul m

response 45161

Ion Exp% Act%

278.00 100 100

139.00 20.40 24.10

279.00 23.90 24.56

0.00 0.00 0.00

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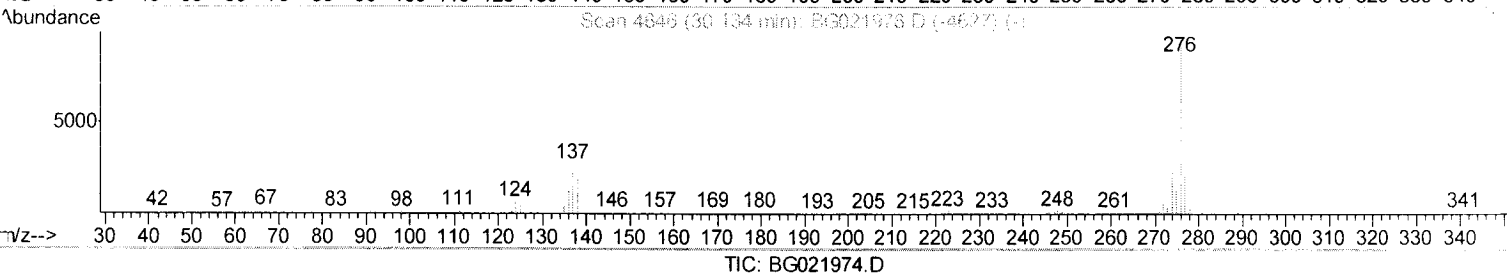
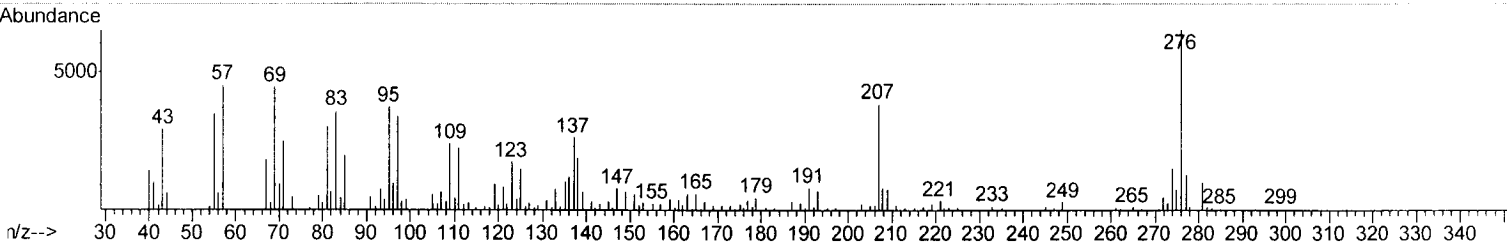
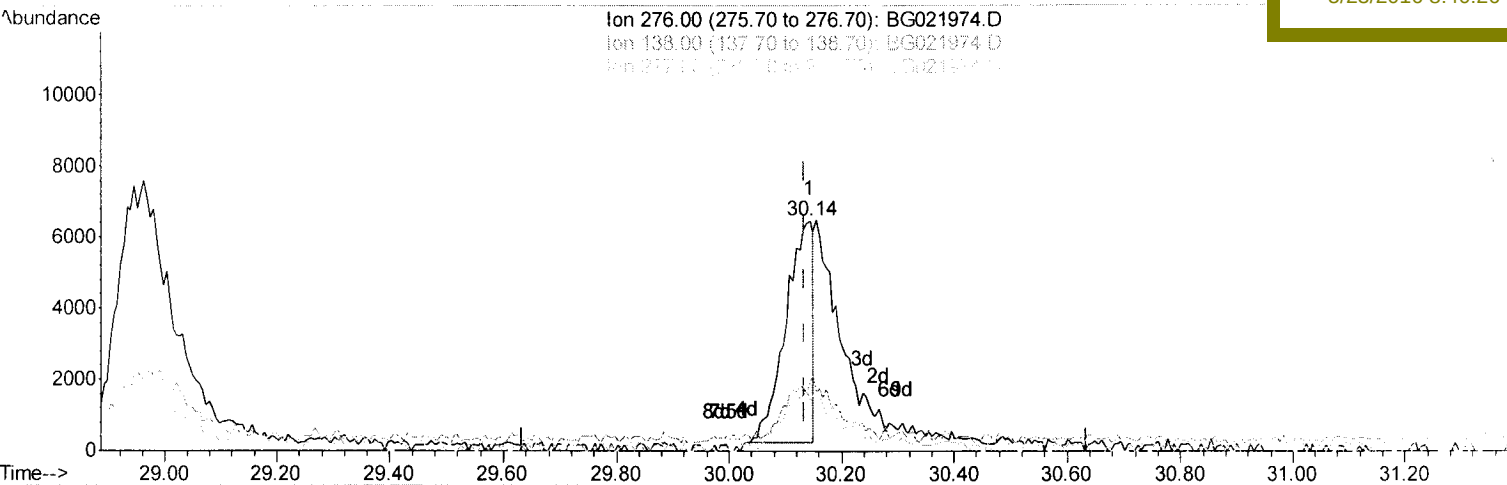
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
Data File : BG021974.D
Acq On : 21 May 2016 9:27
Operator : UM/SJ
Sample : SSTD00501
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD00501

Manual Integrations
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Quant Time: May 23 17:00:24 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 16:42:39 2016
Response via : Initial Calibration



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

30.143min (+0.009) 2.57ng/ul

response 21017

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	30.50
277.00	21.20	21.83
0.00	0.00	0.00

Quantitation Report (Qedit)

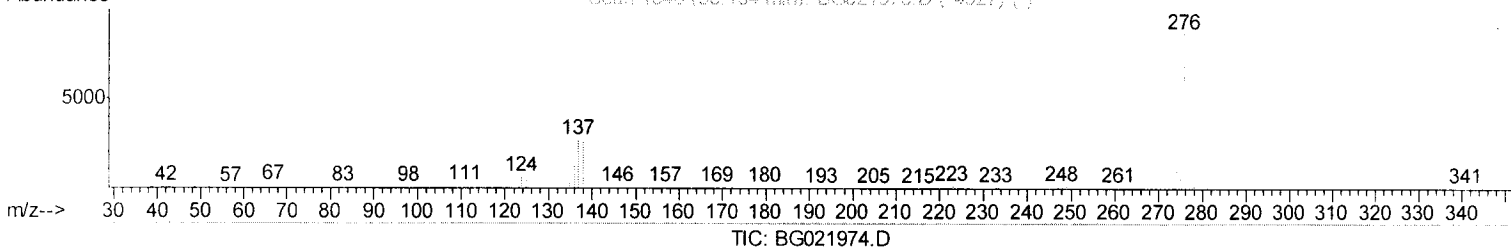
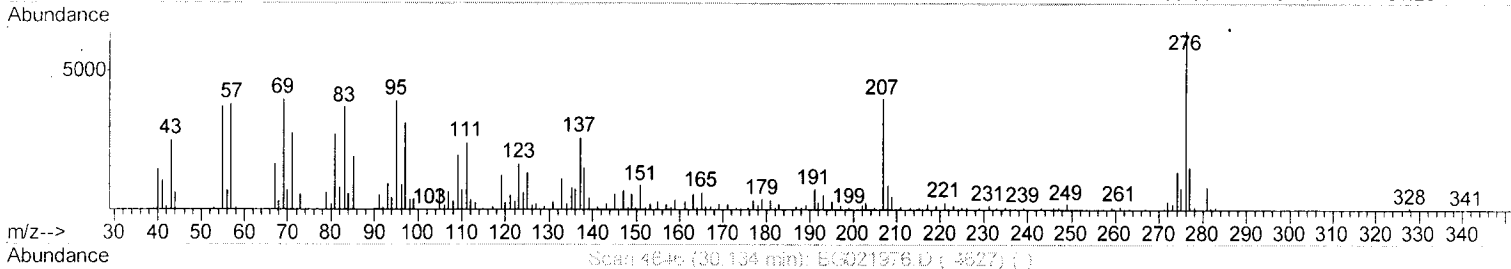
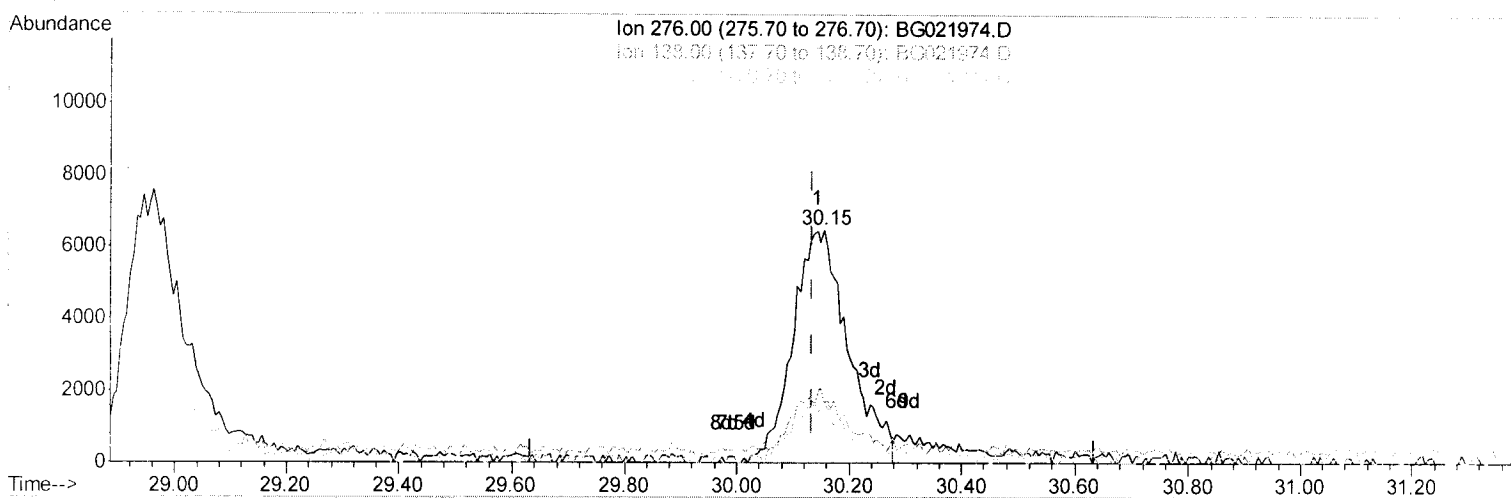
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
 Data File : BG021974.D
 Acq On : 21 May 2016 9:27
 Operator : UM/SJ
 Sample : SST00501
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST00501

Manual Integrations
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Quant Time: May 23 17:00:24 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 16:42:39 2016
 Response via : Initial Calibration



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

30.155min (+0.021) 5.43ng/ul m

response 44425

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Ion	Exp%	Act%
276.00	100	100
138.00	27.60	25.30
277.00	21.20	25.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

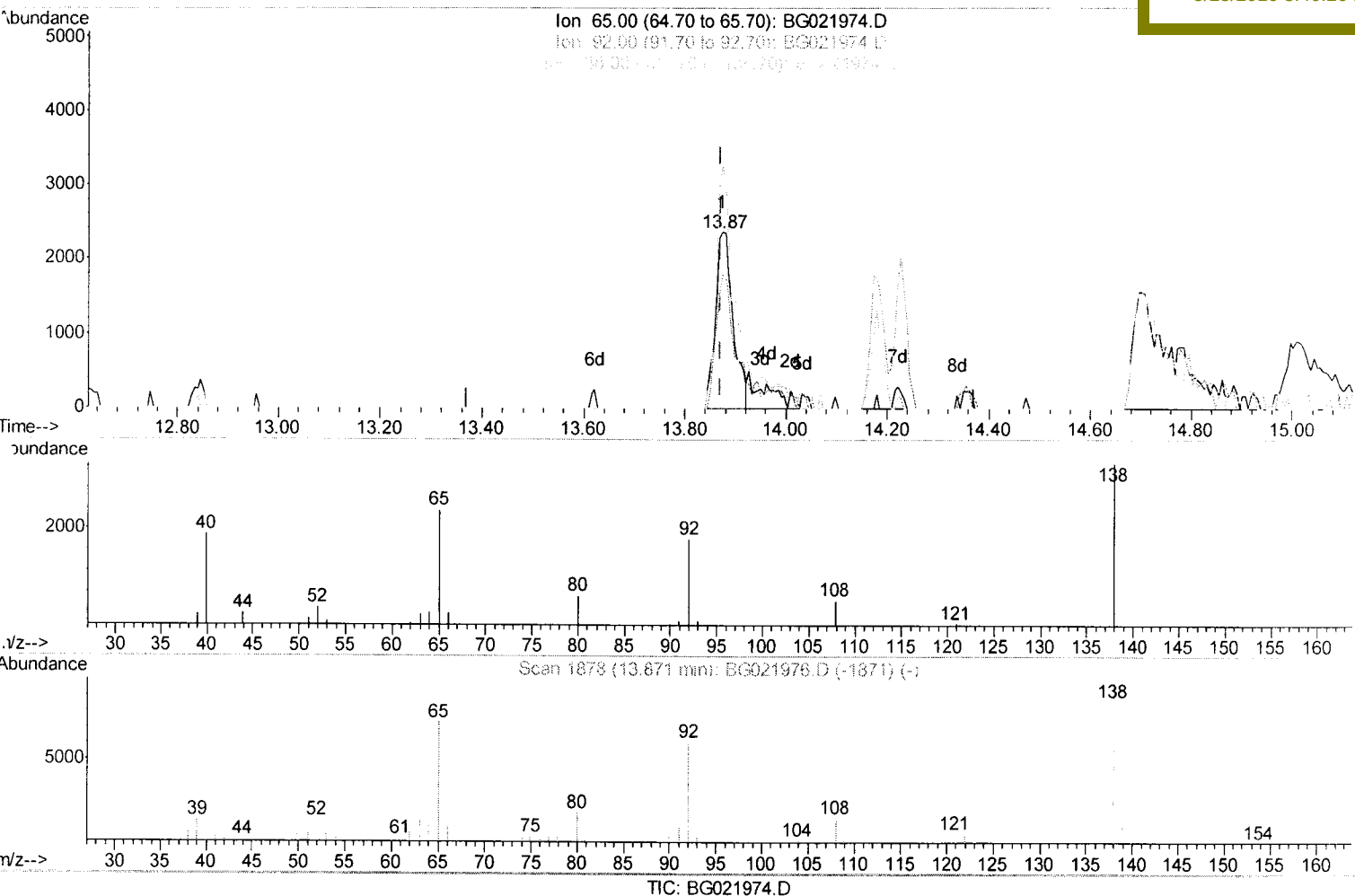
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
Data File : BG021974.D
Acq On : 21 May 2016 9:27
Operator : UM/SJ
Sample : SSTD00501
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD00501

Quant Time: May 23 17:07:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 16:42:39 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

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(42) 2-Nitroaniline

13.874min (+0.003) 3.91ng/ul

response 5798

Ion	Exp%	Act%
65.00	100	100
92.00	83.90	76.61
138.00	137.00	138.71
0.00	0.00	0.00

Quantitation Report (Qedit)

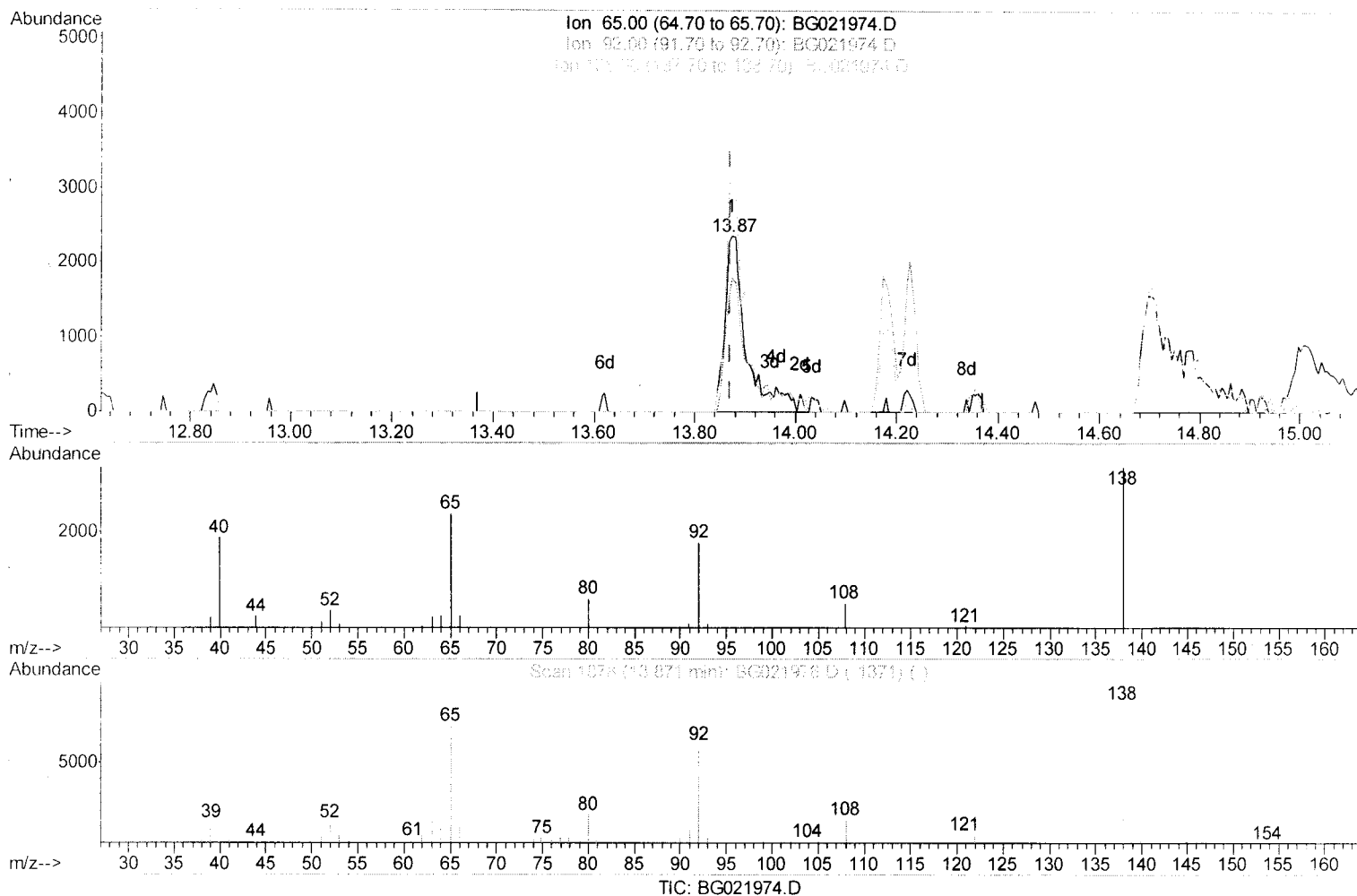
Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
 Data File : BG021974.D
 Acq On : 21 May 2016 9:27
 Operator : UM/SJ
 Sample : SSTD00501
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 Client Sampled :
 SSTD00501

Manual Integrations
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Quant Time: May 23 17:07:01 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 16:42:39 2016
 Response via : Initial Calibration



(42) 2-Nitroaniline

13.874min (+0.003) 4.69ng/ul m

response 6965

Ion	Exp%	Act%
65.00	100	100
92.00	83.90	76.61
138.00	137.00	138.71
0.00	0.00	0.00

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 05/24/16

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
 Data File : BG021974.D
 Acq On : 21 May 2016 9:27
 Operator : UM/SJ
 Sample : SSTD00501
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD00501

Manual Integrations
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Quant Time: May 23 17:09:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 16:42:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	37702	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	190325	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	107381	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	201672	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	157958	20.00	ng/ul	0.00
83) Perylene-d12	25.14	264	157748	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.53	96	1384	1.91	ng/uL	0.00
5) Phenol-d5	0.00	99	0d	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0d	0.00	ng/ul	
9) 2-Chlorophenol-d4	7.69	132	14036	4.93	ng/ul	0.00
13) 4-Methylphenol-d8	0.00	113	0d	0.00	ng/ul	
19) Nitrobenzene-d5	9.33	128	6404	4.56	ng/ul	0.00
22) 2-Nitrophenol-d4	10.06	143	6953	4.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	11723	4.28	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	14.18	166	41791	5.18	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	57391	5.10	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.77	176	38421	5.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
70) Anthracene-d10	17.63	188	51326	5.29	ng/ul	0.00
76) Pyrene-d10	19.90	212	43705	4.91	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.91	264	35406	4.84	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.58	88	2554	1.95	ng/uL	93
10) 2-Chlorophenol	7.73	128	13532	4.82	ng/ul	92
15) N-Nitroso-di-n-propylamine	8.96	70	10562	5.06	ng/ul	94
17) Hexachloroethane	9.25	117	5859	5.24	ng/ul	90
20) Nitrobenzene	9.37	77	13466	4.74	ng/ul	91
21) Isophorone	9.89	82	30433	5.02	ng/ul	95
23) 2-Nitrophenol	10.08	139	7296	4.59	ng/ul	95
24) 2,4-Dimethylphenol	10.14	107	14868	4.85	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.37	93	16918	4.87	ng/ul	97
27) 2,4-Dichlorophenol	10.62	162	12903	4.90	ng/ul	87
28) Naphthalene	11.03	128	50568	5.24	ng/ul	99
31) Hexachlorobutadiene	11.31	225	8430	5.43	ng/ul	94
33) 4-Chloro-3-methylphenol	12.25	107	13290	4.74	ng/ul	100
34) 2-Methylnaphthalene	12.63	142	35090	5.09	ng/ul	96
36) 1,2,4,5-Tetrachlorobenzene	12.99	216	16218	5.09	ng/ul	90
38) 2,4,6-Trichlorophenol	13.23	196	10632	4.94	ng/ul	93
39) 2,4,5-Trichlorophenol	13.30	196	11413	5.00	ng/ul	93
40) 1,1'-Biphenyl	13.62	154	43714	4.94	ng/ul	97
41) 2-Chloronaphthalene	13.67	162	34506	5.08	ng/ul	95
42) 2-Nitroaniline	13.87	65	6965m	4.69	ng/ul	
44) Dimethylphthalate	14.23	163	41369	5.10	ng/ul	99
45) 2,6-Dinitrotoluene	14.36	165	8064	4.64	ng/ul	94
47) Acenaphthylene	14.51	152	59966	5.23	ng/ul	96

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Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052116\
Data File : BG021974.D
Acq On : 21 May 2016 9:27
Operator : UM/SJ
Sample : SSTD00501
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD00501

Manual Integrations
APPROVED

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Quant Time: May 23 17:09:13 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 16:42:39 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Acenaphthene	14.85	153	40031	5.05	ng/ul	96
53) Dibenzofuran	15.18	168	48906	4.99	ng/ul#	87
54) 2,4-Dinitrotoluene	15.14	165	10749	4.59	ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	15.41	232	8404	4.66	ng/ul#	97
56) Diethylphthalate	15.58	149	42794	5.09	ng/ul	99
58) Fluorene	15.83	166	41413	5.01	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.82	204	18336	4.92	ng/ul	98
64) N-Nitrosodiphenylamine	16.03	169	32452	5.09	ng/ul	96
65) 4-Bromophenyl-phenylether	16.71	248	10153	4.98	ng/ul	95
66) Hexachlorobenzene	16.84	284	13547	5.72	ng/ul	97
69) Phenanthrene	17.57	178	57927	5.16	ng/ul	99
71) Anthracene	17.66	178	59257	5.22	ng/ul	98
73) Di-n-butylphthalate	18.47	149	67956	5.15	ng/ul	99
77) Pyrene	19.93	202	55492	4.99	ng/ul	97
78) Butylbenzylphthalate	20.80	149	27229	5.17	ng/ul	96
80) Benzo(a)anthracene	21.79	228	47696	5.15	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.67	149	39051	5.21	ng/ul	96
82) Chrysene	21.86	228	47989	5.35	ng/ul	95
85) Benzo(b)fluoranthene	24.07	252	45149	4.89	ng/ul#	89
86) Benzo(k)fluoranthene	24.14	252	47266	5.21	ng/ul#	84
88) Benzo(a)pyrene	24.98	252	43870	4.93	ng/ul#	89
89) Indeno(1,2,3-cd)pyrene	28.96	276	52615m	5.14	ng/ul	U.M. 05/24/16
90) Dibenzo(a,h)anthracene	29.02	278	45161m	5.28	ng/ul	
91) Benzo(g,h,i)perylene	30.15	276	44425m	5.43	ng/ul	

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