

(QT Reviewed)

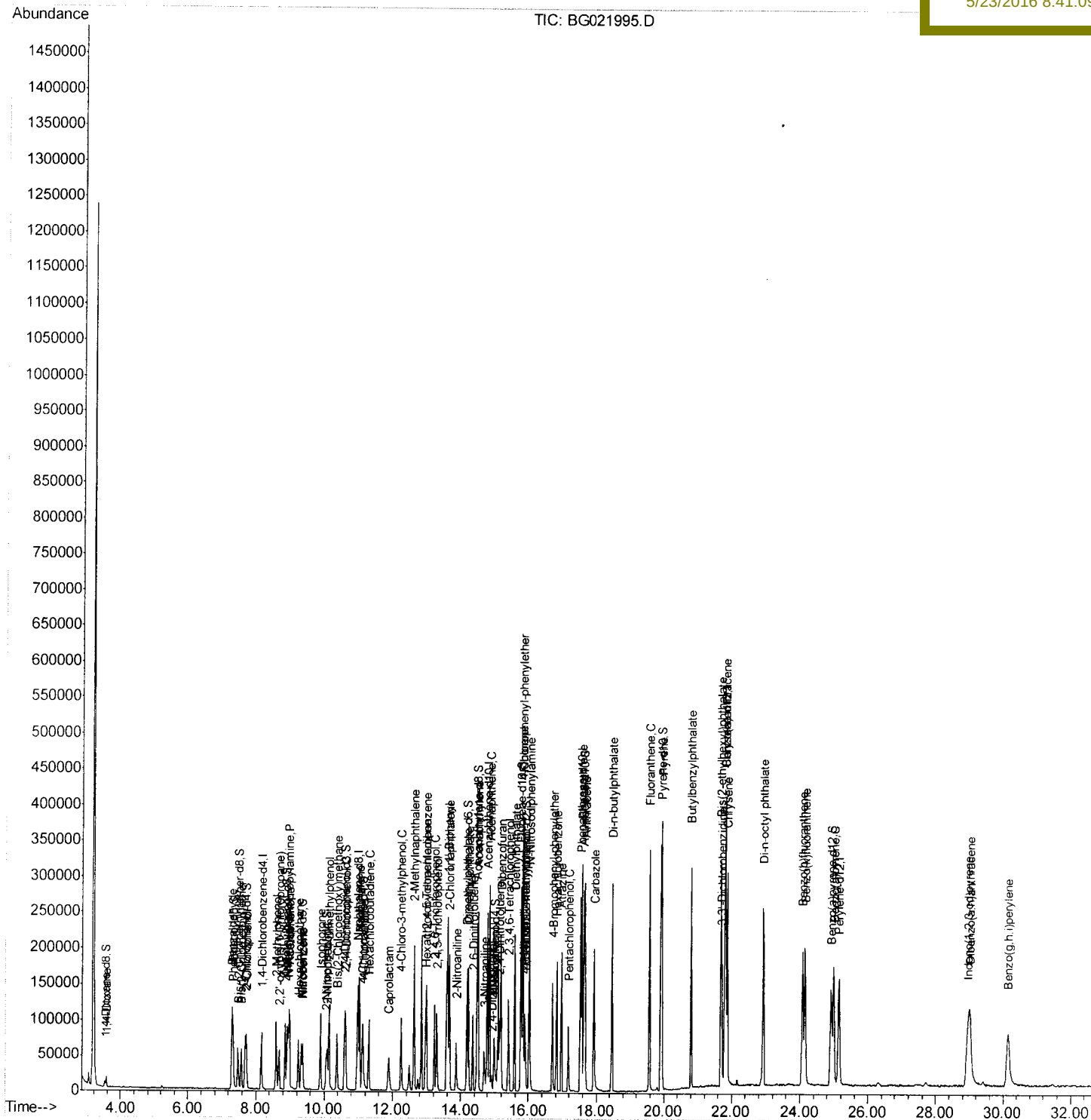
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
Data File : BG021995.D
Acq On : 22 May 2016 1:58
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 18:15:07 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 17:16:55 2016
Response via : Initial Calibration

Instrument :
BNA_G
LabSampleId :
SSTD02008

Manual Integrations APPROVED

umangi
5/23/2016 8:41:09 PM



Quantitation Report (Qedit)

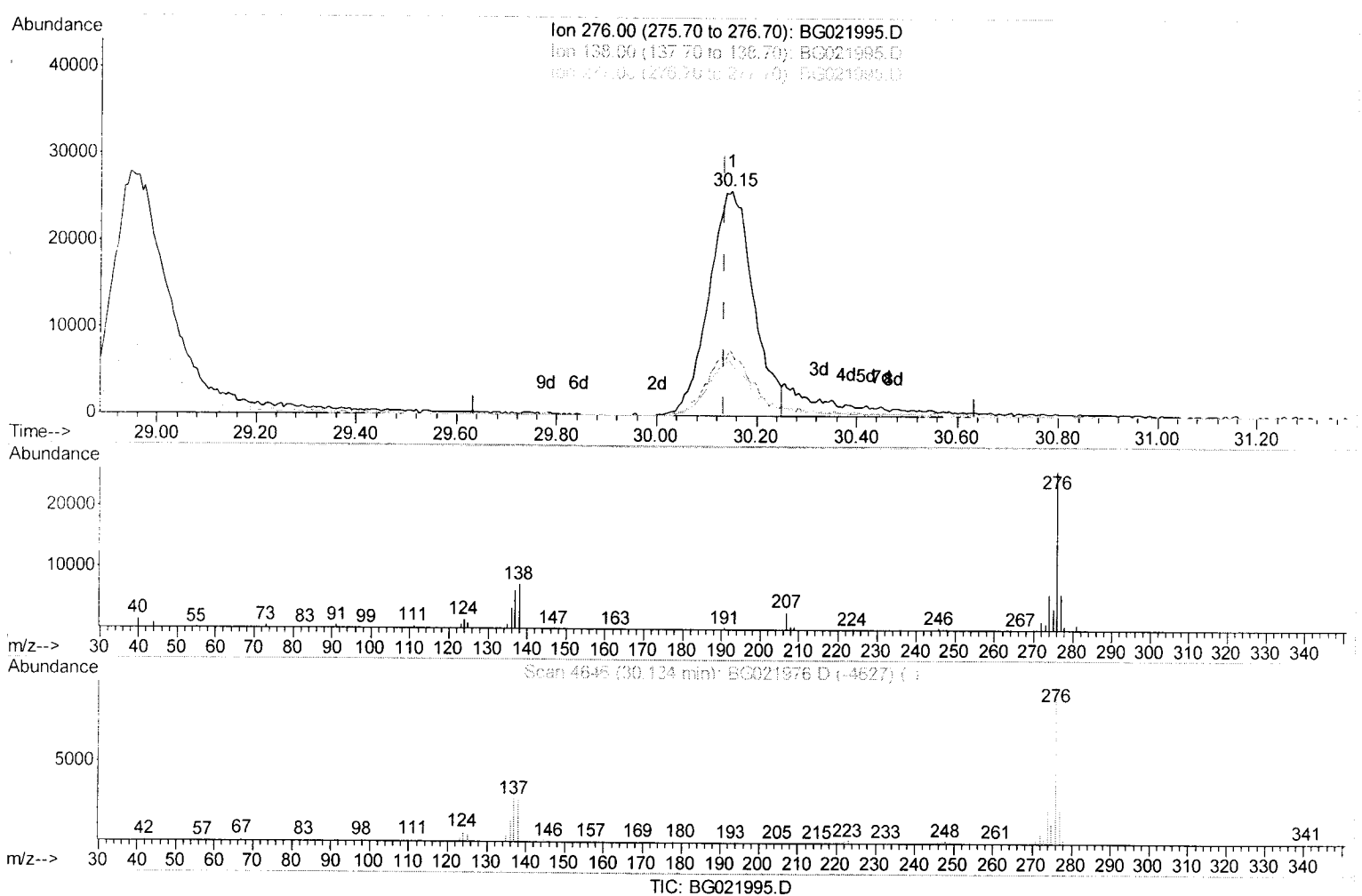
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021995.D
 Acq On : 22 May 2016 1:58
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA G
 LabSampleId :
 SSTD02008

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:41:09 PM

Quant Time: May 23 17:35:12 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 17:16:55 2016
 Response via : Initial Calibration



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

30.149min (+0.015) 19.29ng/ul m

response 160779

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	28.42
277.00	21.20	23.32
0.00	0.00	0.00

U.M.
 05/24/16

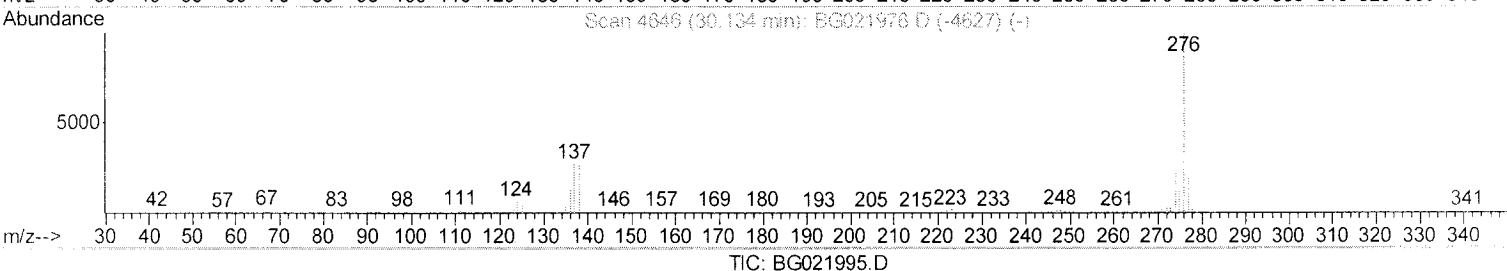
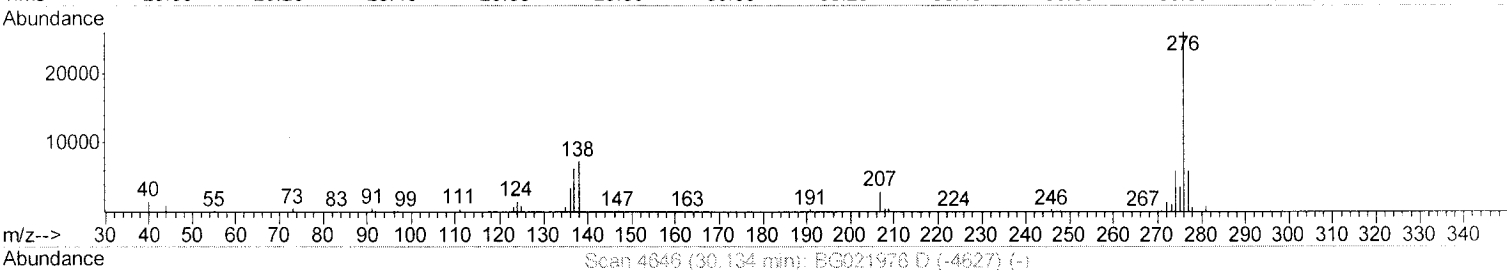
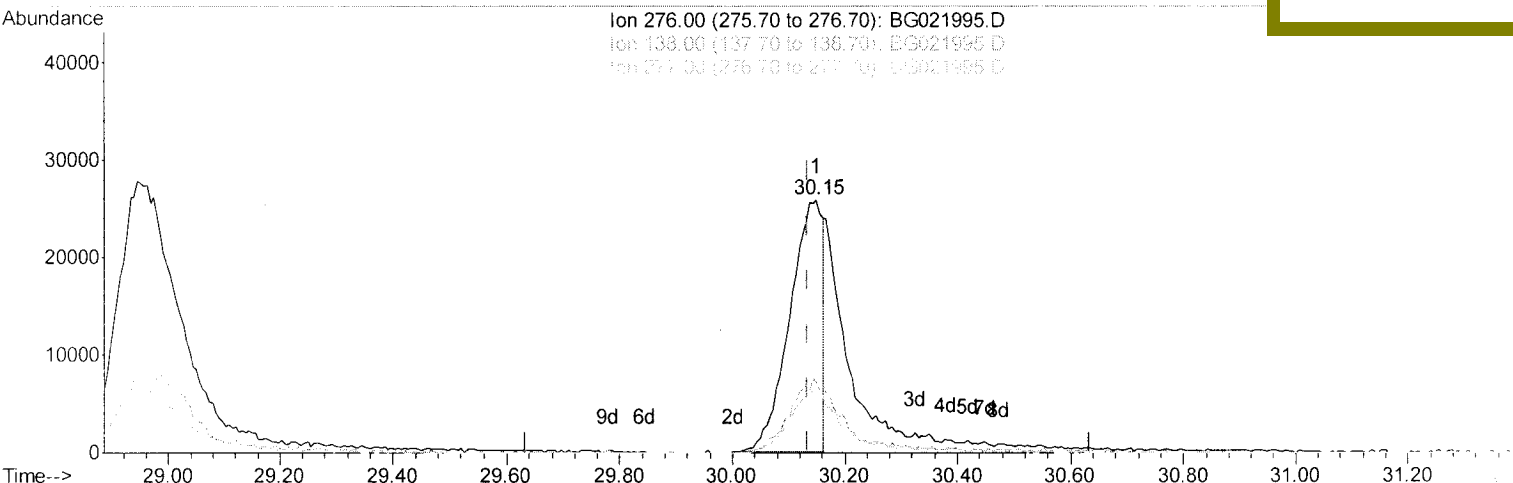
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
Data File : BG021995.D
Acq On : 22 May 2016 1:58
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02008

Quant Time: May 23 17:35:12 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 17:16:55 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

umangi
5/23/2016 8:41:09 PM



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

30.149min (+0.015) 12.27ng/ul

response 102281

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	28.42
277.00	21.20	23.32
0.00	0.00	0.00

Quantitation Report (Qedit)

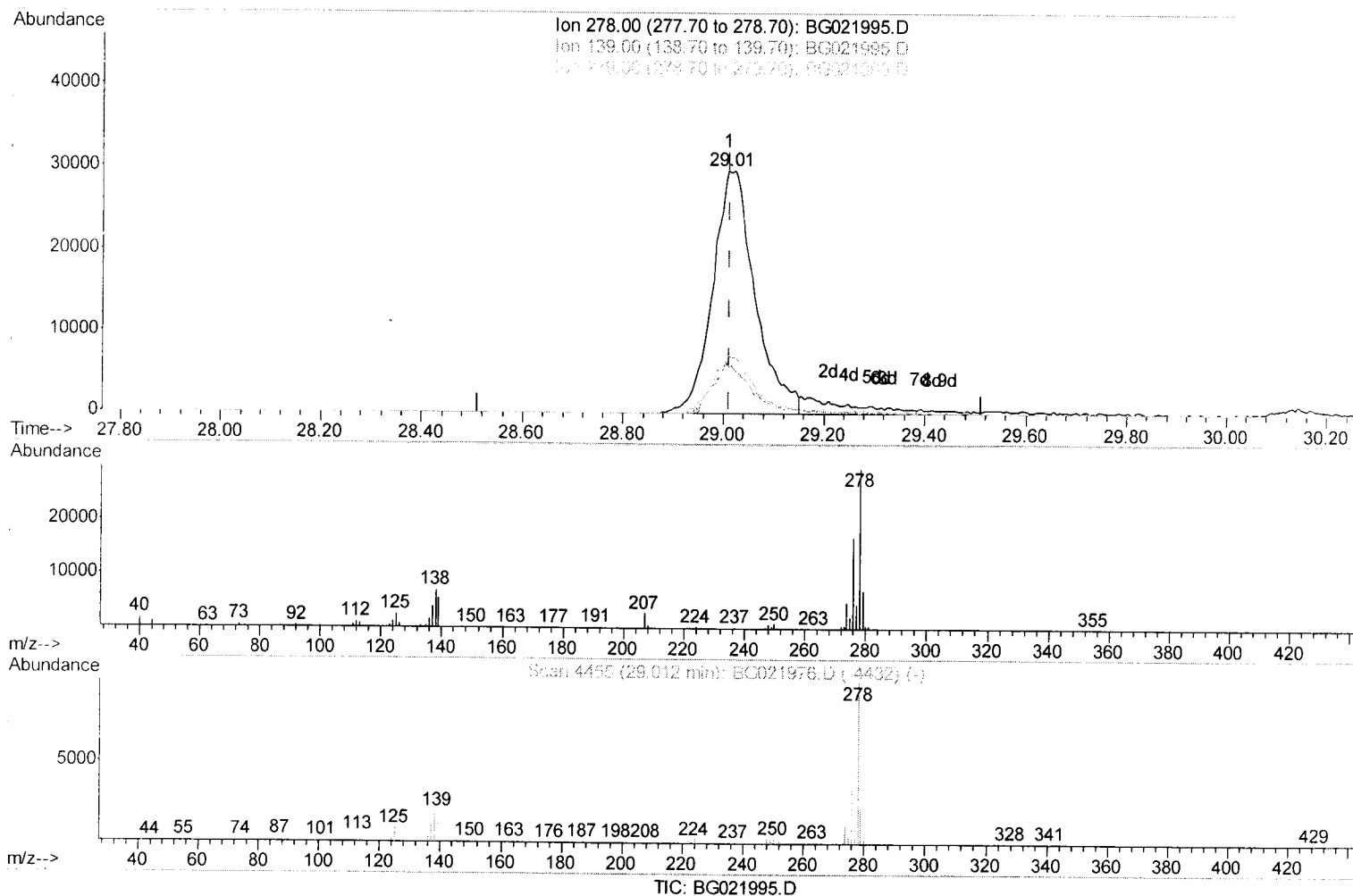
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021995.D
 Acq On : 22 May 2016 1:58
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02008

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:41:09 PM

Quant Time: May 23 17:35:12 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 17:16:55 2016
 Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.009min (-0.003) 20.04ng/ul m

response 174438

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	18.97
279.00	23.90	24.07
0.00	0.00	0.00

> U.M.
 05/24/16

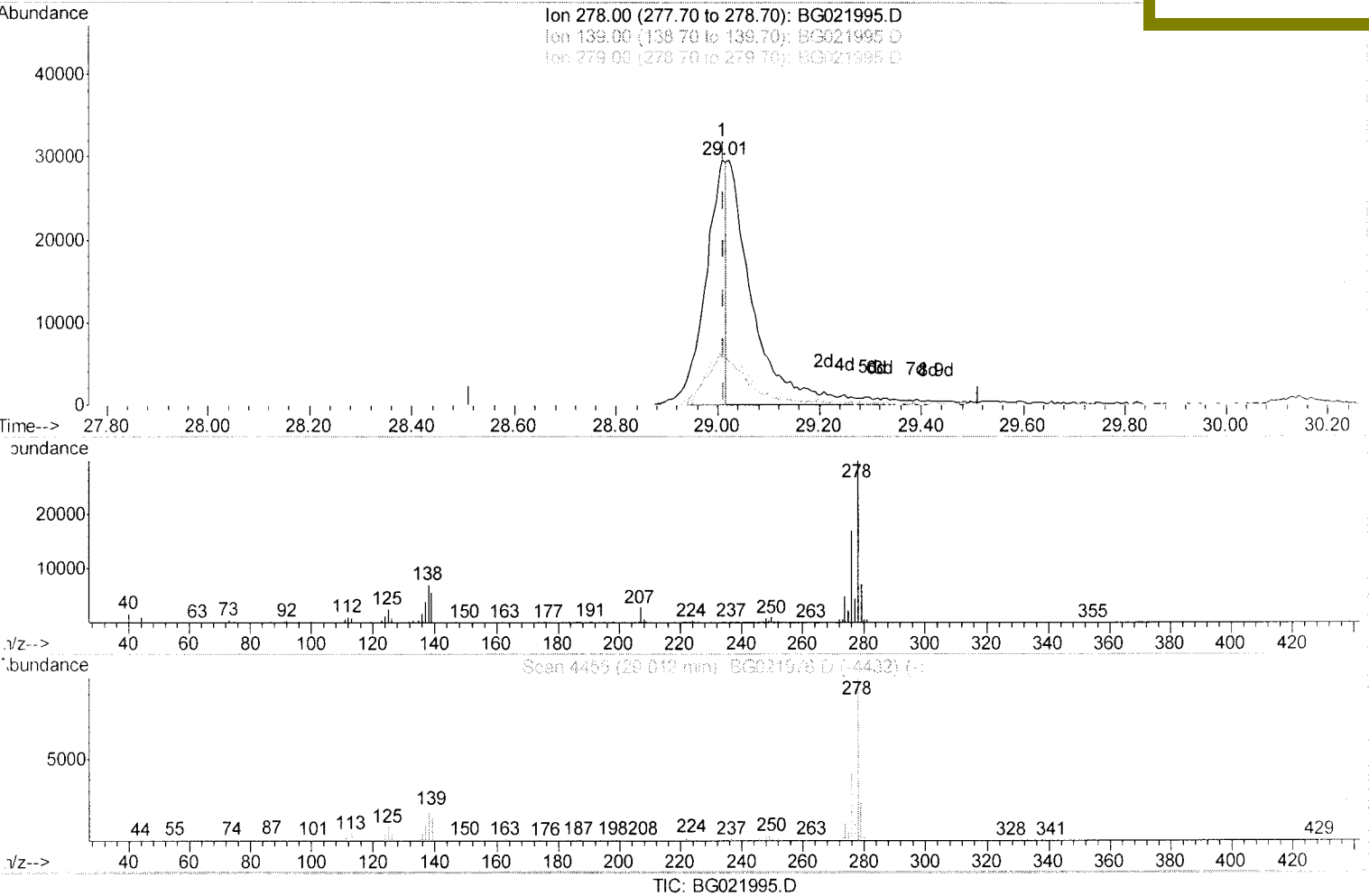
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
Data File : BG021995.D
Acq On : 22 May 2016 1:58
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02008

Manual Integrations
APPROVED

umangi
5/23/2016 8:41:09 PM

Quant Time: May 23 17:35:12 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 17:16:55 2016
Response via : Initial Calibration



(90) Dibenzo(a,h)anthracene

29.009min (-0.003) 9.42ng/ul

response 82030

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	18.97
279.00	23.90	24.07
0.00	0.00	0.00

Quantitation Report (Qedit)

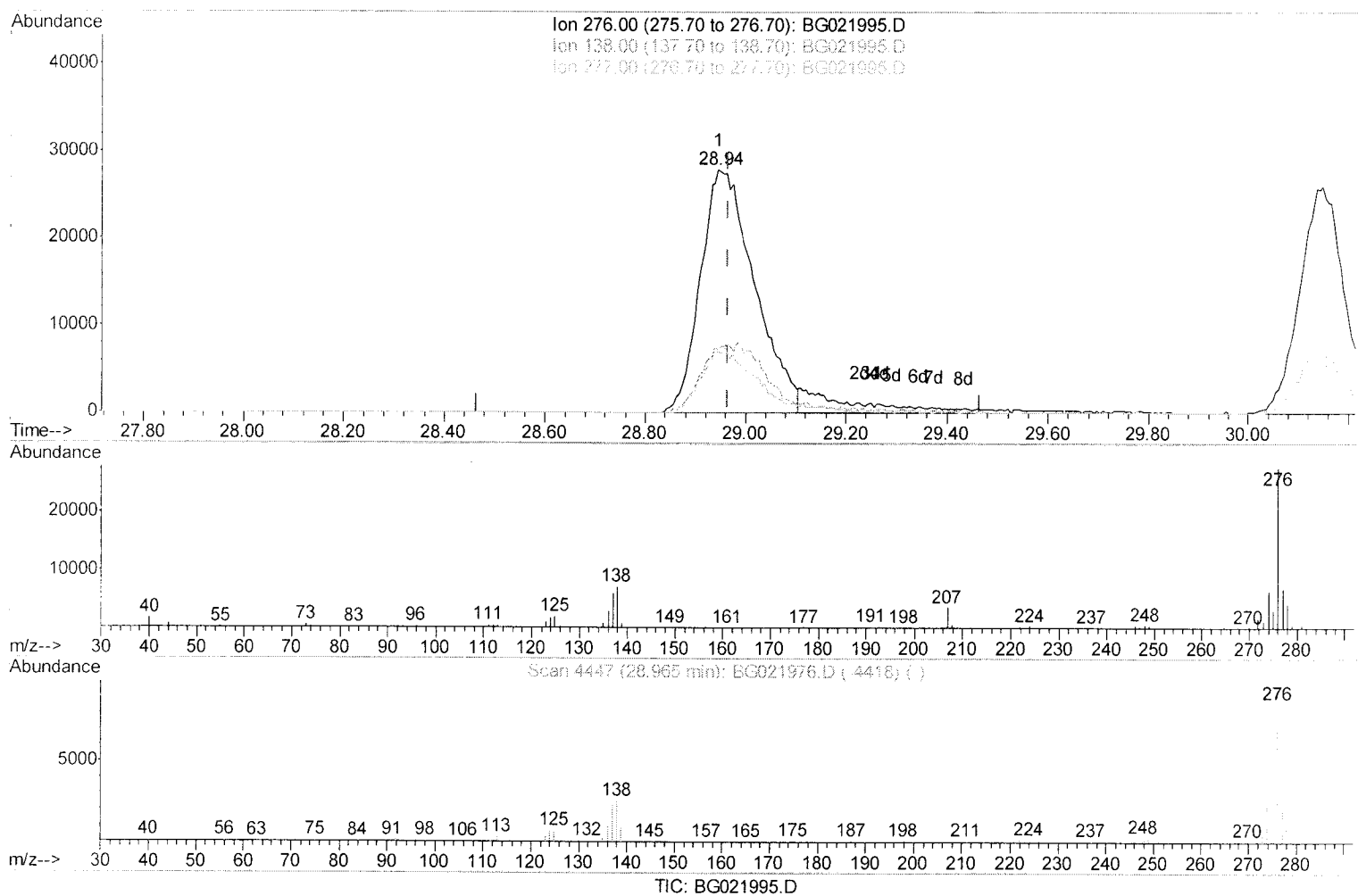
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021995.D
 Acq On : 22 May 2016 1:58
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02008

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:41:09 PM

Quant Time: May 23 17:35:12 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 17:16:55 2016
 Response via : Initial Calibration



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

28.945min (-0.021) 19.96ng/ul m

response 207669

U.M.
 05/24/16

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	25.92
277.00	22.00	25.26
0.00	0.00	0.00

Quantitation Report (Qedit)

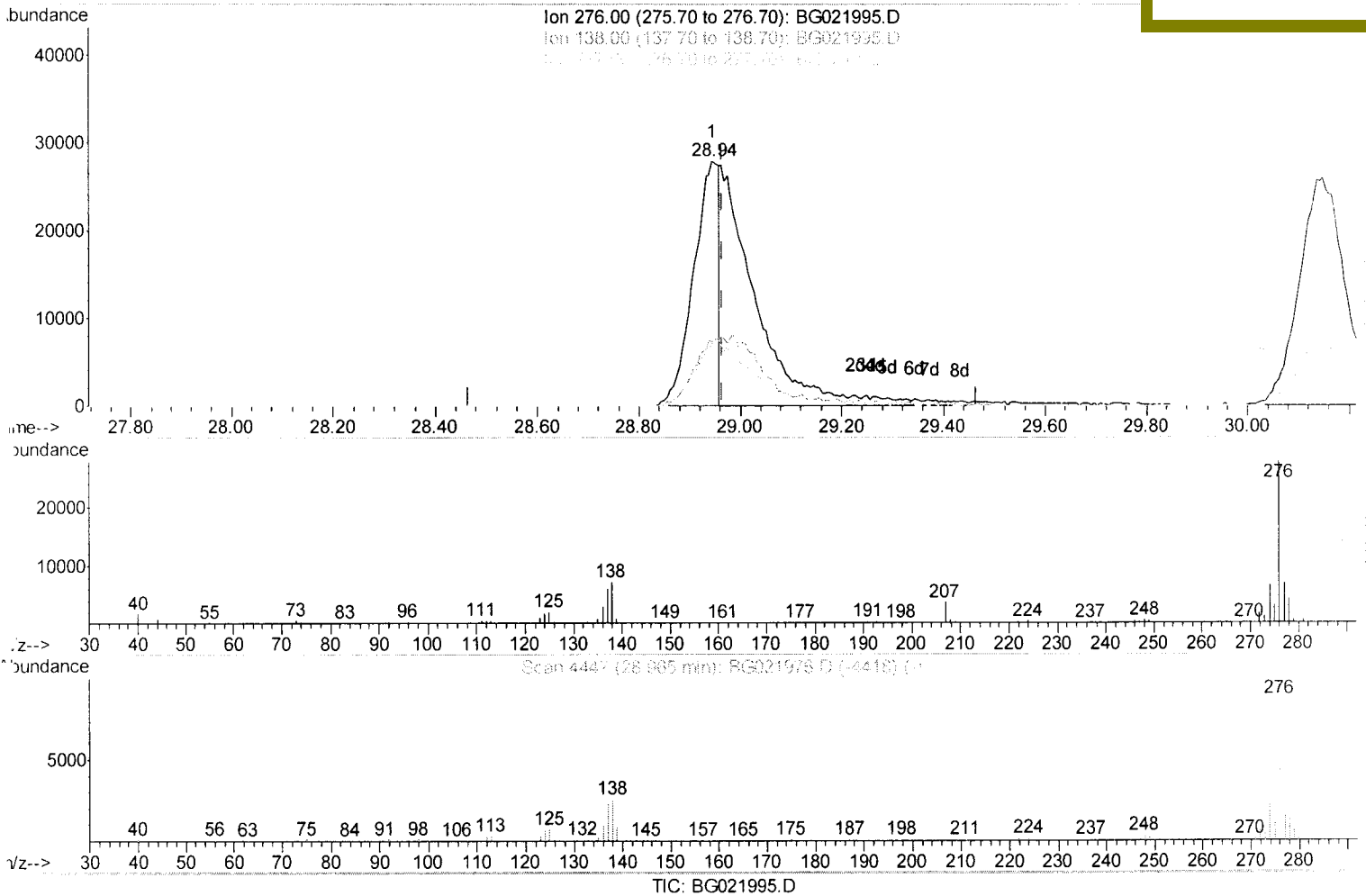
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
Data File : BG021995.D
Acq On : 22 May 2016 1:58
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02008

Manual Integrations
APPROVED

umangi
5/23/2016 8:41:09 PM

Quant Time: May 23 17:35:12 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon May 23 17:16:55 2016
Response via : Initial Calibration



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

28.945min (-0.021) 8.94ng/ul

response 93029

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	25.92
277.00	22.00	25.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021995.D
 Acq On : 22 May 2016 1:58
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02008

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:41:09 PM

Quant Time: May 23 18:15:07 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 17:16:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.99	216	52907	19.83	ng/ul	99
37) Hexachlorocyclopentadiene	12.96	237	22225	19.34	ng/ul	99
38) 2,4,6-Trichlorophenol	13.22	196	35521	19.72	ng/ul	96
39) 2,4,5-Trichlorophenol	13.30	196	40022	20.94	ng/ul	94
40) 1,1'-Biphenyl	13.62	154	153865	20.78	ng/ul	96
41) 2-Chloronaphthalene	13.67	162	117805	20.71	ng/ul	98
42) 2-Nitroaniline	13.87	65	25384	19.80	ng/ul	98
44) Dimethylphthalate	14.23	163	144315	21.26	ng/ul	96
45) 2,6-Dinitrotoluene	14.36	165	30494	20.94	ng/ul	99
47) Acenaphthylene	14.51	152	201648	20.99	ng/ul	99
48) 3-Nitroaniline	14.69	138	25303	18.14	ng/ul#	89
49) Acenaphthene	14.85	153	136429	20.55	ng/ul	96
50) 2,4-Dinitrophenol	14.90	184	7866	13.95	ng/ul	91
52) 4-Nitrophenol	15.00	109	11409	17.39	ng/ul	94
53) Dibenzofuran	15.18	168	170640	20.79	ng/ul	96
54) 2,4-Dinitrotoluene	15.14	165	42032	21.41	ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	15.40	232	30800	20.37	ng/ul#	87
56) Diethylphthalate	15.58	149	151236	21.47	ng/ul	99
58) Fluorene	15.83	166	147851	21.34	ng/ul	98
59) 4-Chlorophenyl-phenylether	15.81	204	65853	21.10	ng/ul	97
60) 4-Nitroaniline	15.85	138	28539	18.63	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.91	198	18802	18.48	ng/ul	95
64) N-Nitrosodiphenylamine	16.03	169	117655	19.79	ng/ul	98
65) 4-Bromophenyl-phenylether	16.71	248	38334	20.17	ng/ul	96
66) Hexachlorobenzene	16.83	284	42701	19.35	ng/ul	99
67) Atrazine	16.97	200	41967	20.49	ng/ul	99
68) Pentachlorophenol	17.18	266	19950	17.37	ng/ul	97
69) Phenanthrene	17.57	178	217551	20.80	ng/ul	99
71) Anthracene	17.66	178	215950	20.38	ng/ul	100
72) Carbazole	17.93	167	187996	20.47	ng/ul	100
73) Di-n-butylphthalate	18.47	149	258583	21.02	ng/ul	99
74) Fluoranthene	19.57	202	235144	22.00	ng/ul	98
77) Pyrene	19.93	202	242421	19.49	ng/ul	97
78) Butylbenzylphthalate	20.80	149	116216	19.71	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.70	252	68607	20.65	ng/ul	99
80) Benzo(a)anthracene	21.79	228	207771	20.04	ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.68	149	168621	20.10	ng/ul	96
82) Chrysene	21.86	228	203720	20.48	ng/ul	99
84) Di-n-octyl phthalate	22.92	149	283448	21.65	ng/ul	100
85) Benzo(b)fluoranthene	24.08	252	194079	20.64	ng/ul	99
86) Benzo(k)fluoranthene	24.14	252	196353	21.45	ng/ul	97
88) Benzo(a)pyrene	24.98	252	188830	20.81	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	28.94	276	207669m	19.96	ng/ul	
90) Dibenzo(a,h)anthracene	29.01	278	174438m	20.04	ng/ul	
91) Benzo(g,h,i)perylene	30.15	276	160779m	19.29	ng/ul	

U.M.
 05/24/16

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG052116\
 Data File : BG021995.D
 Acq On : 22 May 2016 1:58
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02008

Manual Integrations
 APPROVED

umangi
 5/23/2016 8:41:09 PM

Quant Time: May 23 18:15:07 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG052116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon May 23 17:16:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	31017	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	161263	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	89931	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	188044	20.00	ng/ul	0.00
75) Chrysene-d12	21.81	240	176793	20.00	ng/ul	0.00
83) Perylene-d12	25.14	264	160694	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.54	96	5458	9.17	ng/uL	0.00
5) Phenol-d5	7.31	99	56298	20.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.48	67	29436	20.04	ng/ul	0.00
9) 2-Chlorophenol-d4	7.69	132	47317	20.20	ng/ul	0.00
13) 4-Methylphenol-d8	8.86	113	48905	20.58	ng/ul	0.00
19) Nitrobenzene-d5	9.33	128	24600	20.68	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	25344	19.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.60	165	47516	20.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	54692	22.10	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	143201	21.20	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	196580	20.84	ng/ul	0.00
51) 4-Nitrophenol-d4	14.98	143	23360	20.08	ng/ul	0.00
57) Fluorene-d10	15.77	176	133331	21.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	17742	18.05	ng/ul	0.00
70) Anthracene-d10	17.63	188	189947	21.05	ng/ul	0.00
76) Pyrene-d10	19.90	212	192857	19.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.91	264	160882	21.58	ng/ul	0.00

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.57	88	10068	9.33 ng/uL	95
4) Benzaldehyde	7.29	77	34090	22.07 ng/ul	97
6) Phenol	7.33	94	56424	19.99 ng/ul	97
8) Bis(2-Chloroethyl)ether	7.57	93	42955	20.83 ng/ul	96
10) 2-Chlorophenol	7.72	128	47685	20.65 ng/ul	95
11) 2-Methylphenol	8.60	108	46118	20.46 ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.69	45	50844	20.64 ng/ul	96
14) Acetophenone	8.99	105	69939	21.03 ng/ul	98
15) N-Nitroso-di-n-propylamine	8.96	70	36114	21.04 ng/ul	98
16) 4-Methylphenol	8.93	108	50351	20.72 ng/ul	96
17) Hexachloroethane	9.25	117	19024	20.67 ng/ul#	93
20) Nitrobenzene	9.37	77	50794	21.10 ng/ul	96
21) Isophorone	9.89	82	107727	20.99 ng/ul	100
23) 2-Nitrophenol	10.08	139	28372	21.07 ng/ul	99
24) 2,4-Dimethylphenol	10.14	107	52938	20.37 ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.37	93	61000	20.71 ng/ul	97
27) 2,4-Dichlorophenol	10.62	162	45978	20.61 ng/ul	97
28) Naphthalene	11.03	128	168814	20.65 ng/ul	98
30) 4-Chloroaniline	11.14	127	54198	21.79 ng/ul	94
31) Hexachlorobutadiene	11.31	225	26207	19.93 ng/ul	94
32) Caprolactam	11.88	113	18607	20.82 ng/ul	90
33) 4-Chloro-3-methylphenol	12.25	107	50578	21.29 ng/ul	93
34) 2-Methylnaphthalene	12.62	142	119885	20.51 ng/ul	99