

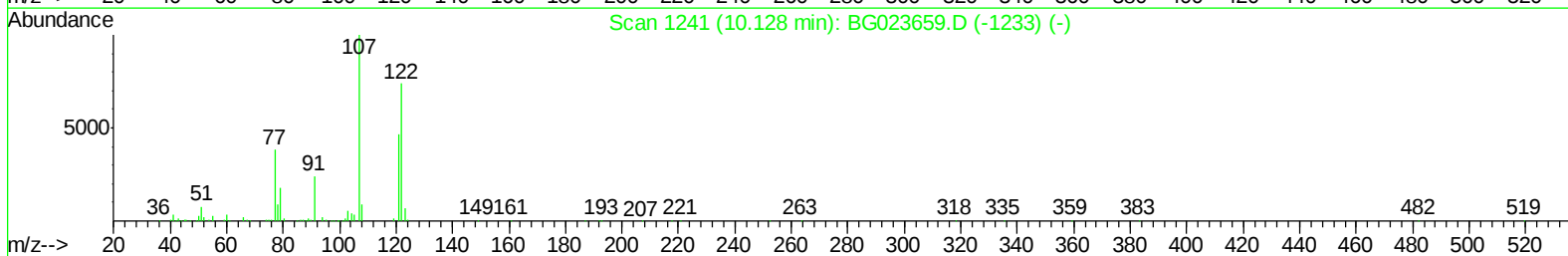
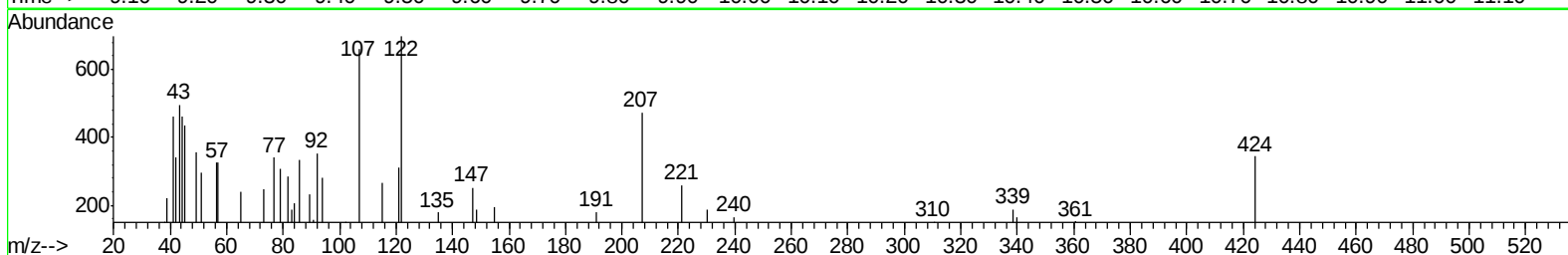
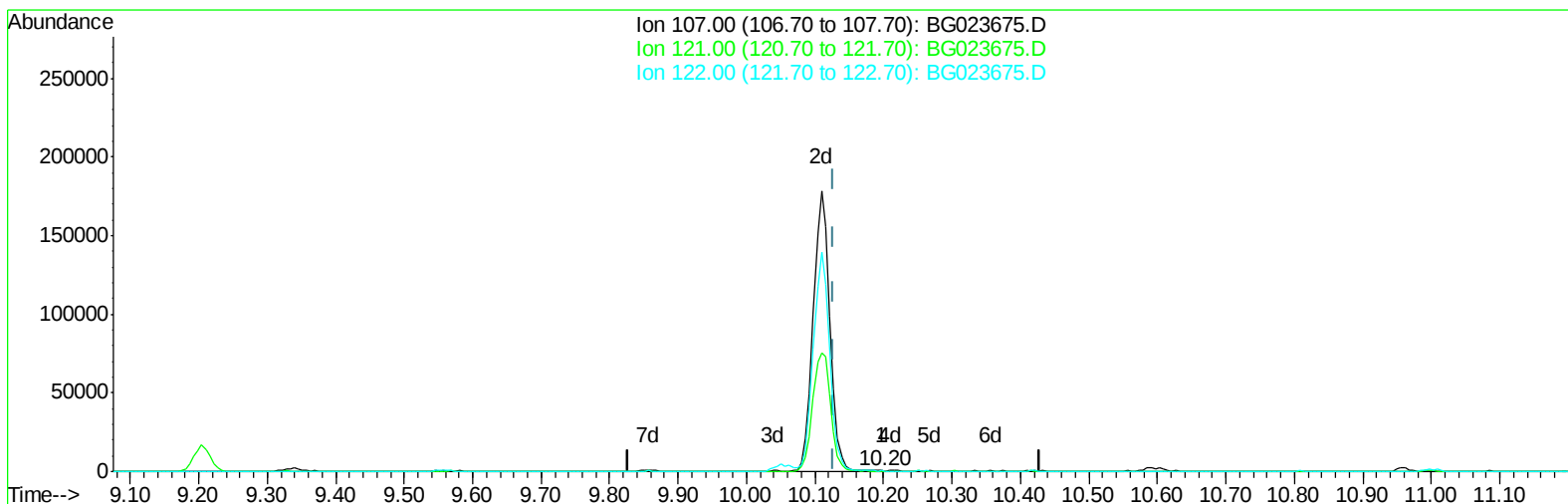
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02031

Manual Integrations
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sohil
8/15/2016 6:50:20 PM

Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

(24) 2,4-Dimethylphenol

10.197min (+0.069) 0.03ng/ul

response 512

Ion	Exp%	Act%
107.00	100	100
121.00	54.60	47.28
122.00	87.90	105.44
0.00	0.00	0.00

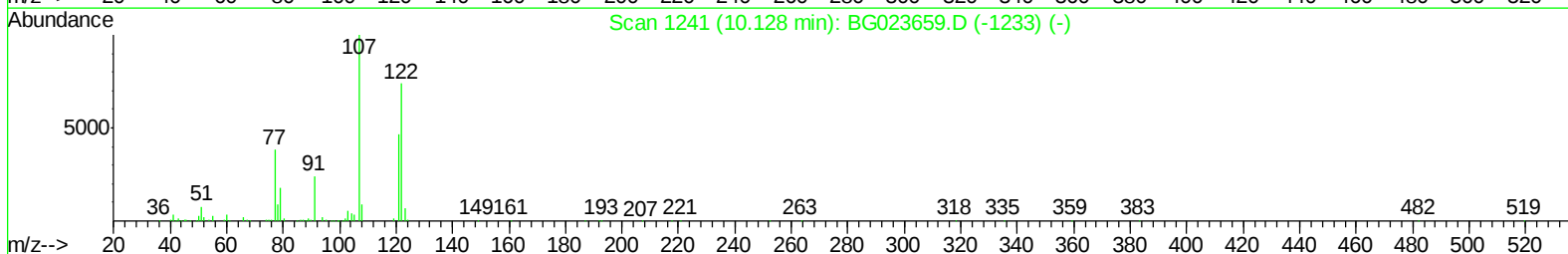
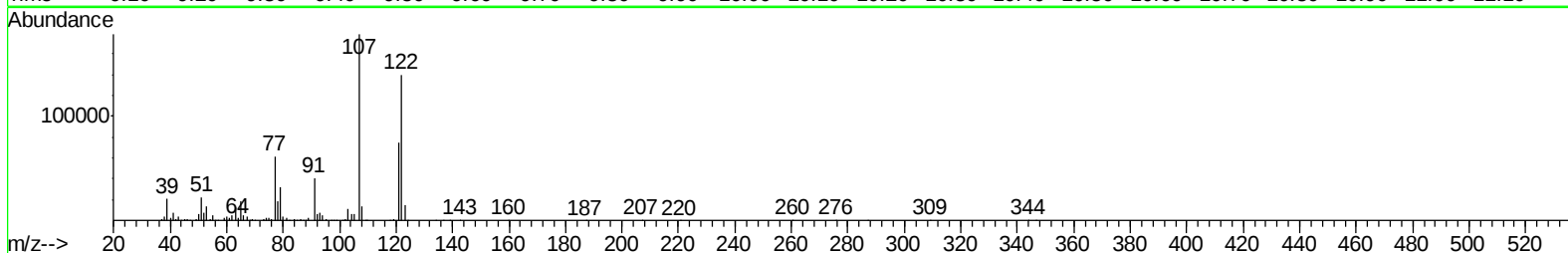
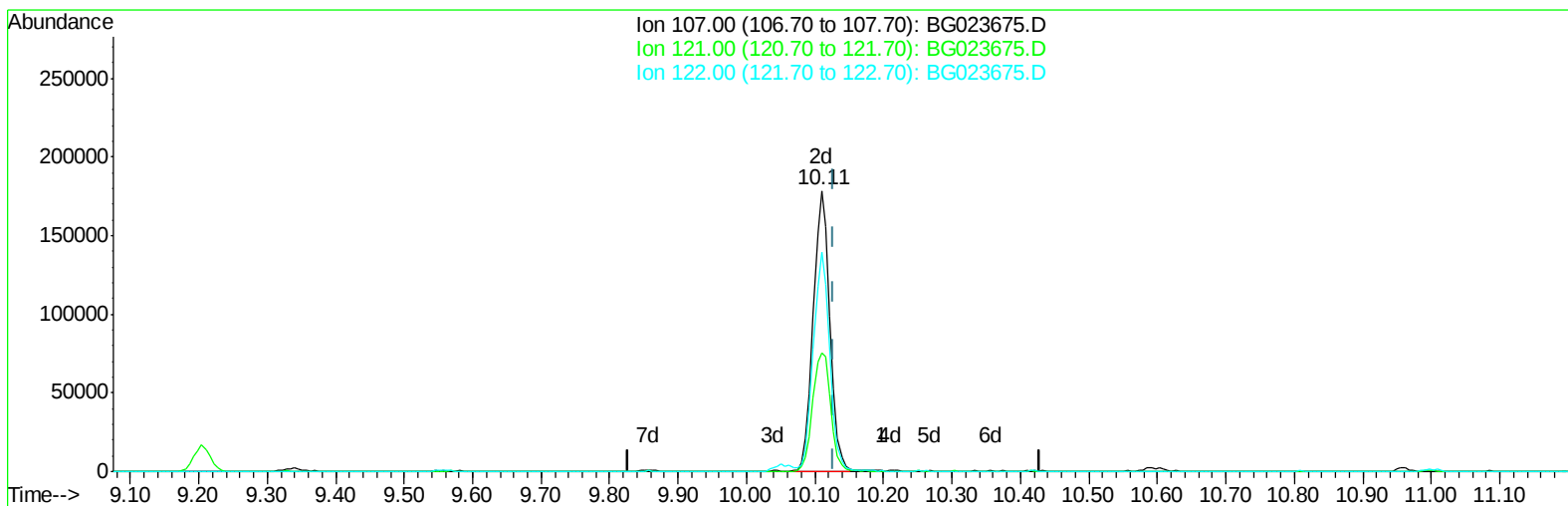
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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LabSampleId :
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Manual Integrations
APPROVED

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Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
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QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

(24) 2,4-Dimethylphenol

10.109min (-0.019) 19.96ng/ul m

response 299209

Ion	Exp%	Act%
107.00	100	100
121.00	54.60	42.18#
122.00	87.90	78.26
0.00	0.00	0.00

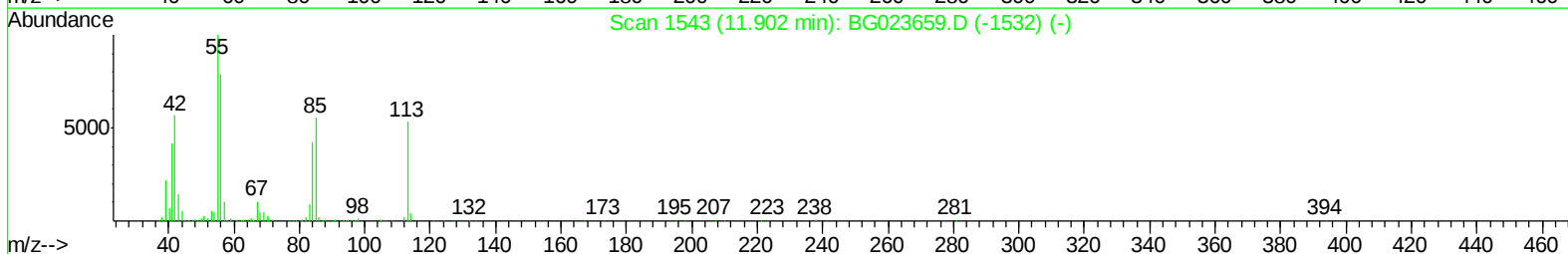
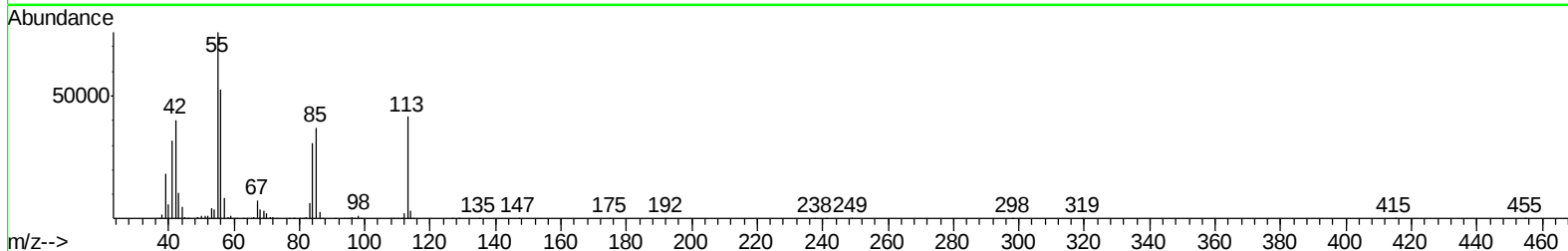
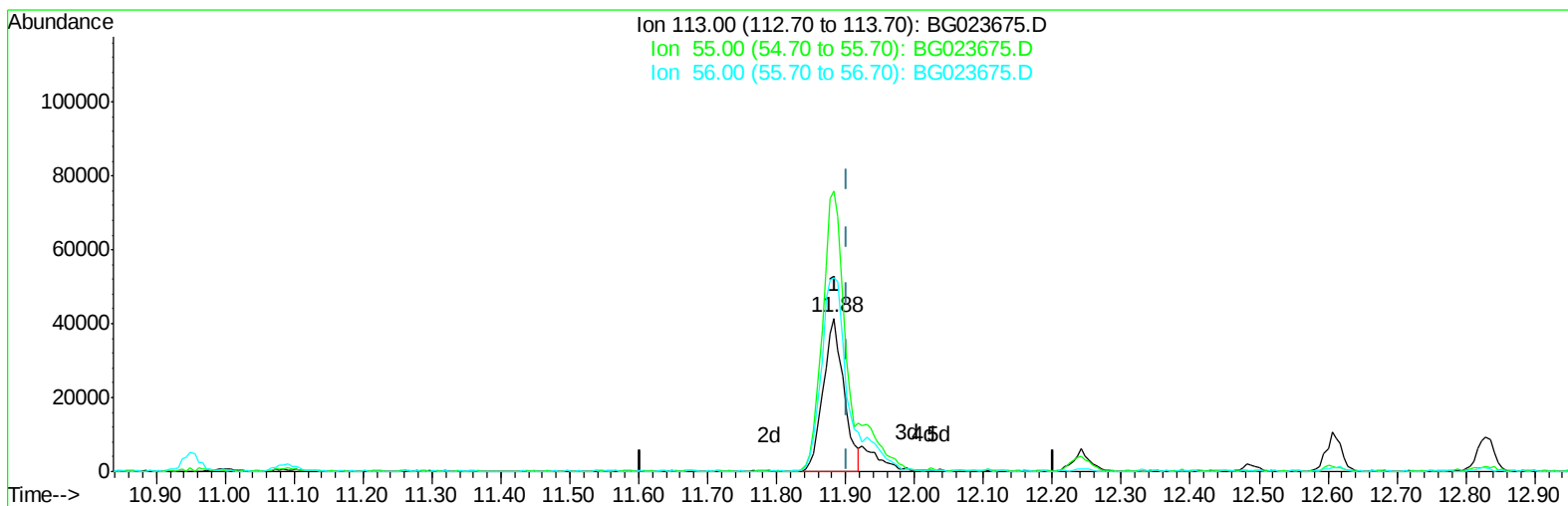
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02031

Manual Integrations
APPROVED

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Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

(32) Caprolactam

11.883min (-0.019) 17.31ng/ul

response 86558

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	183.06#
56.00	83.00	126.28#
0.00	0.00	0.00

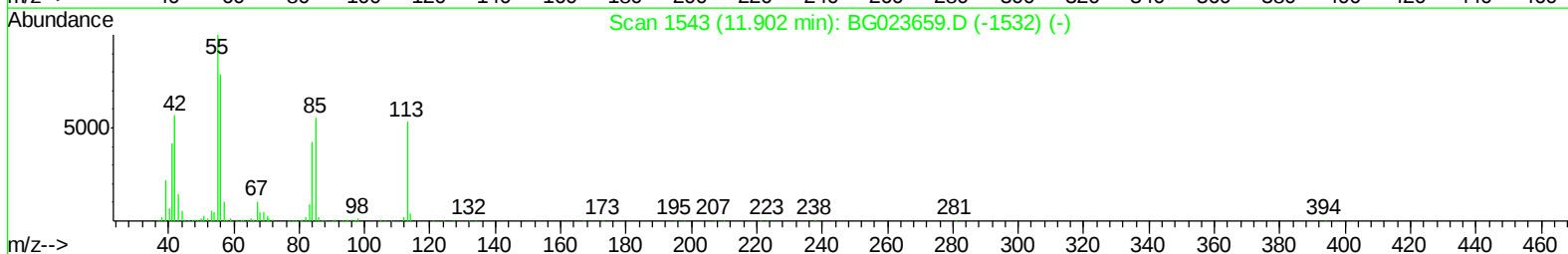
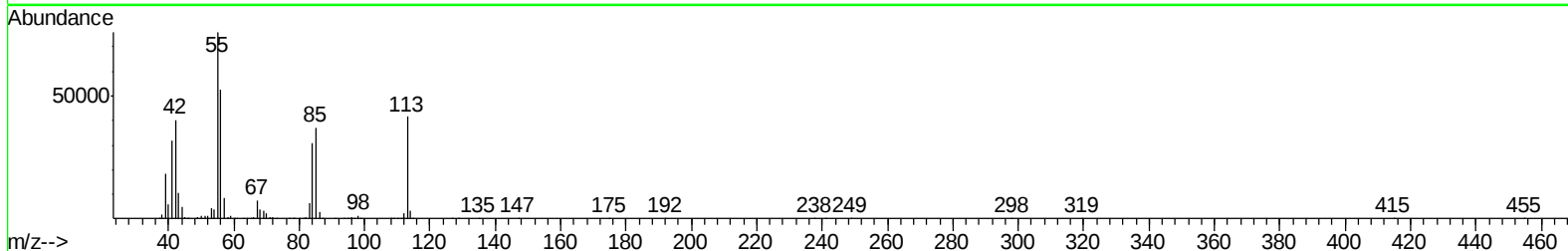
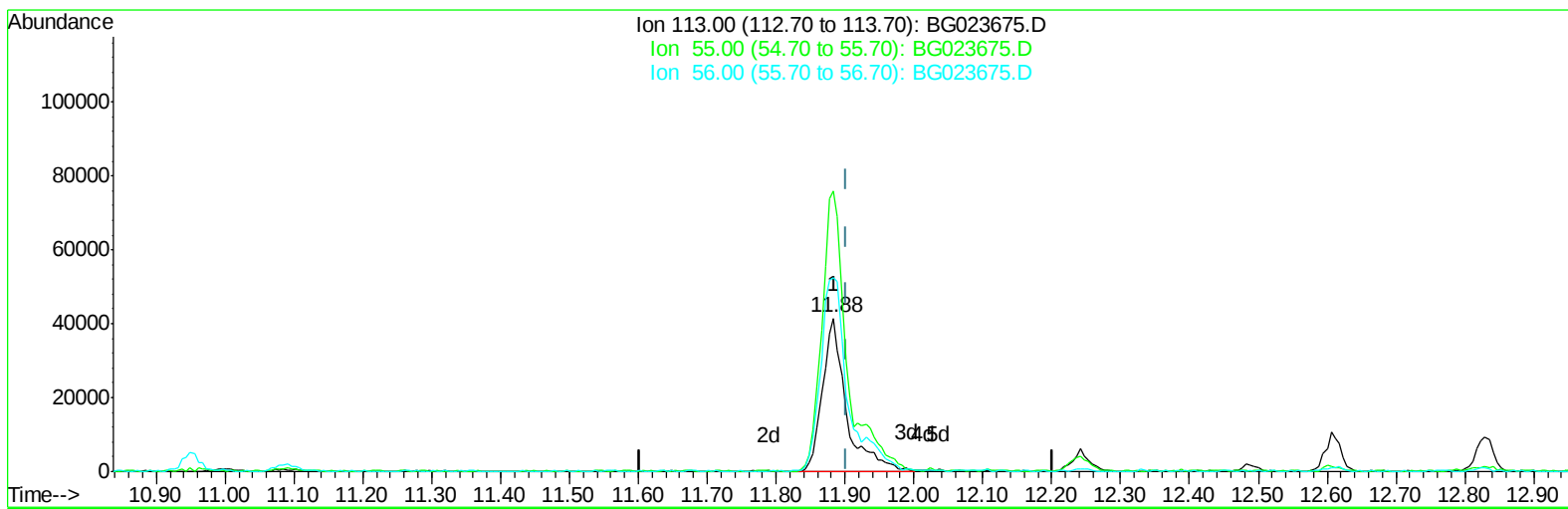
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02031

Manual Integrations
APPROVED

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Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

(32) Caprolactam

11.883min (-0.019) 20.02ng/ul m

response 100073

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	183.06#
56.00	83.00	126.28#
0.00	0.00	0.00

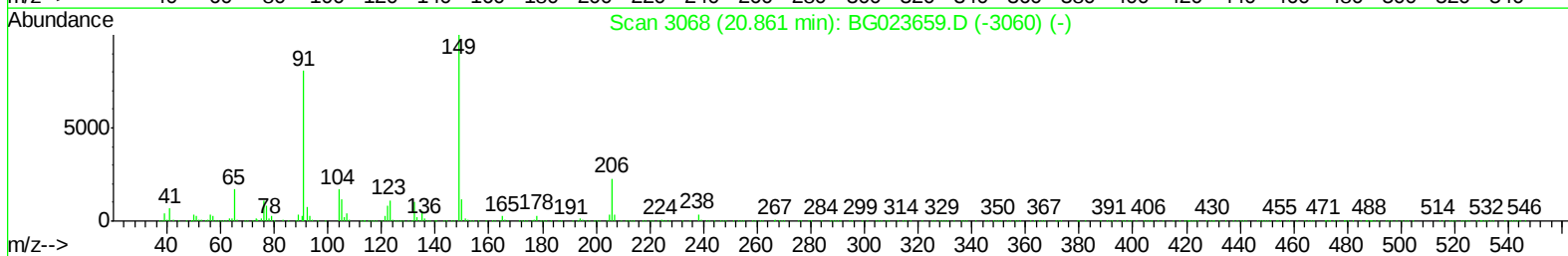
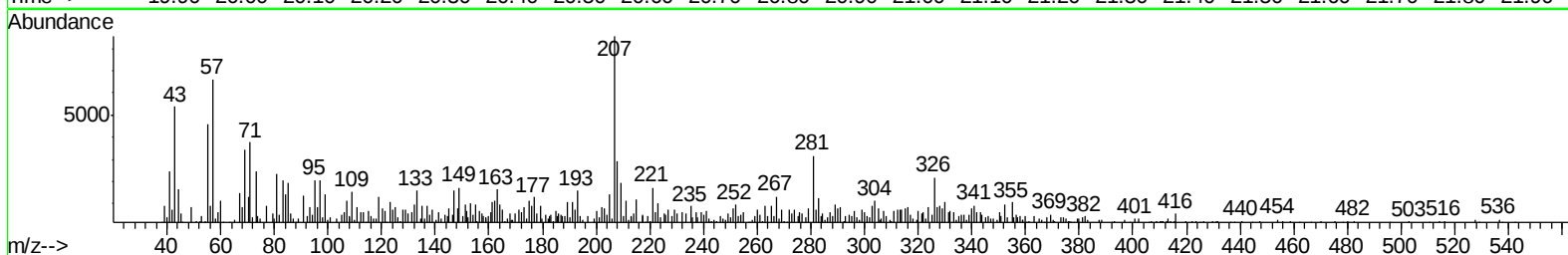
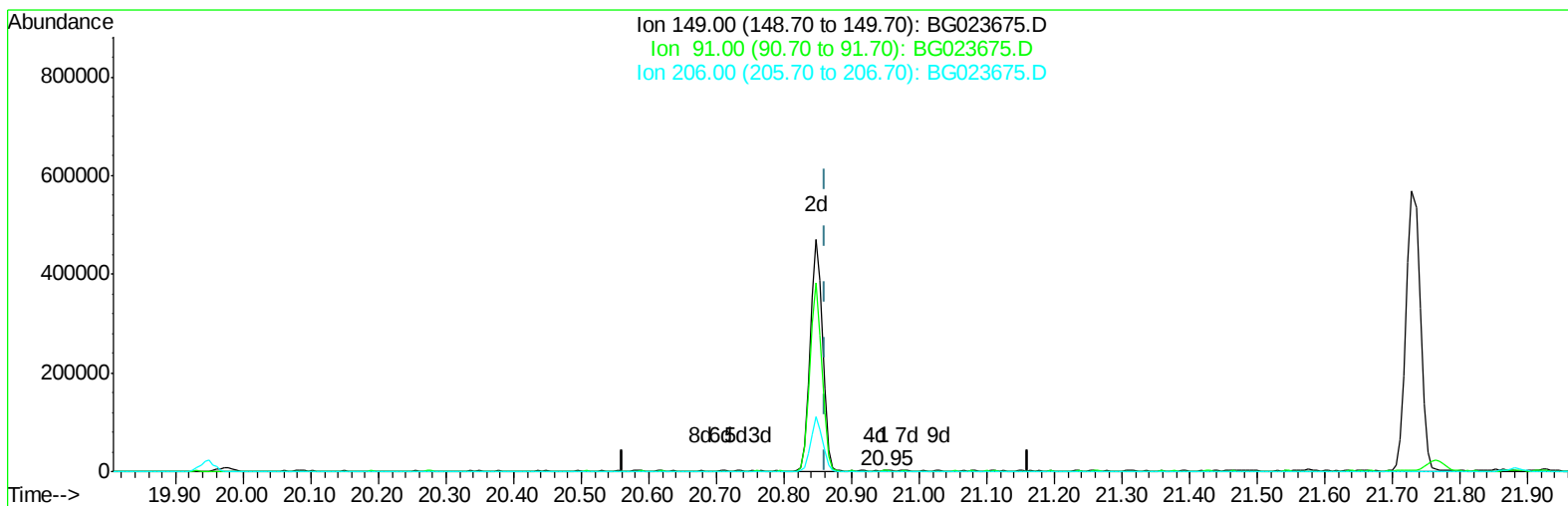
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023675.D
 Acq On : 13 Aug 2016 3:15
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02031

Manual Integrations
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Quant Time: Aug 13 03:53:50 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration



TIC: BG023675.D

(78) Butylbenzylphthalate

20.948min (+0.087) 0.06ng/ul

response 1461

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	80.43
206.00	17.60	20.56
0.00	0.00	0.00

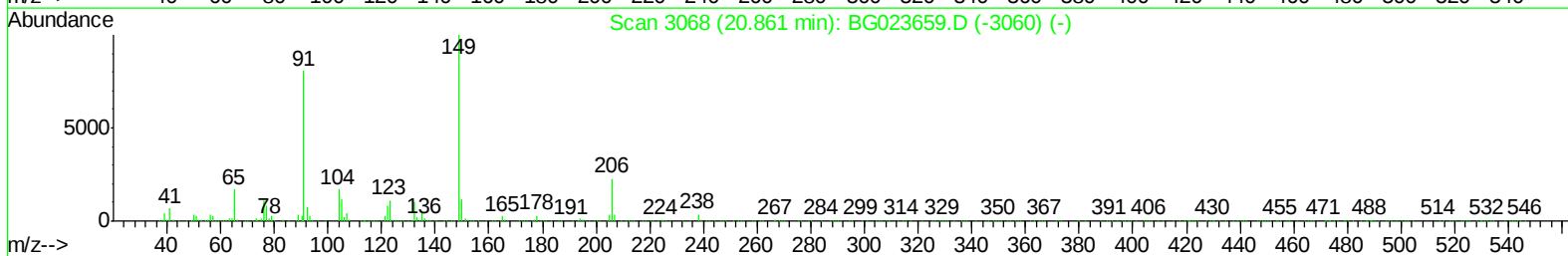
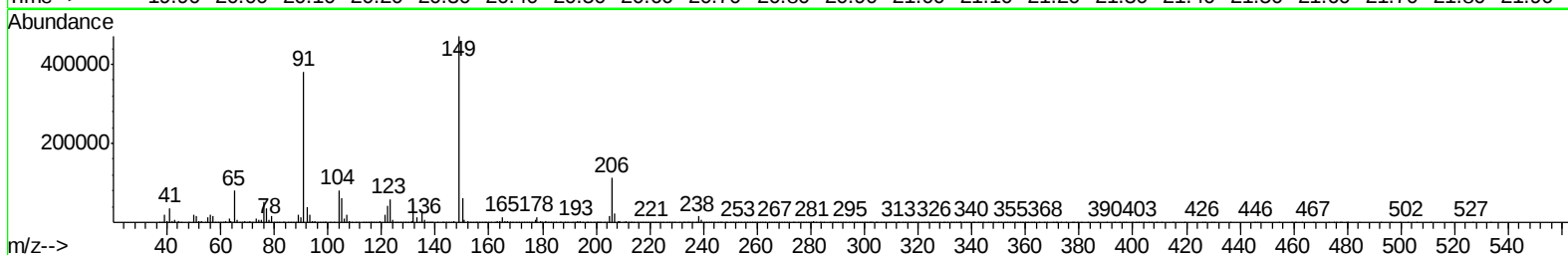
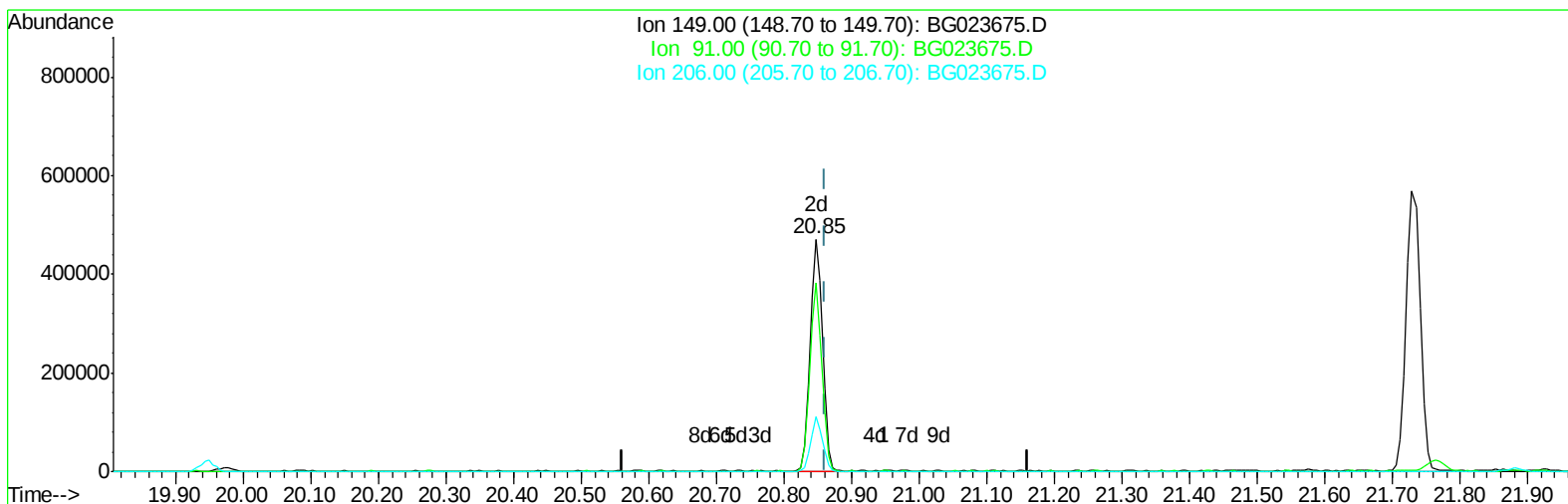
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02031

Manual Integrations
APPROVED

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Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

(78) Butylbenzylphthalate

20.848min (-0.013) 23.48ng/ul m

response 592929

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	81.02
206.00	17.60	23.88#
0.00	0.00	0.00

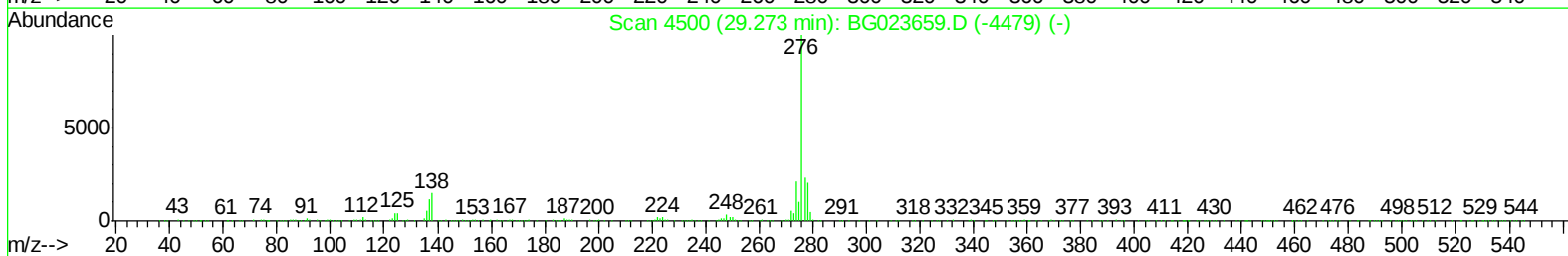
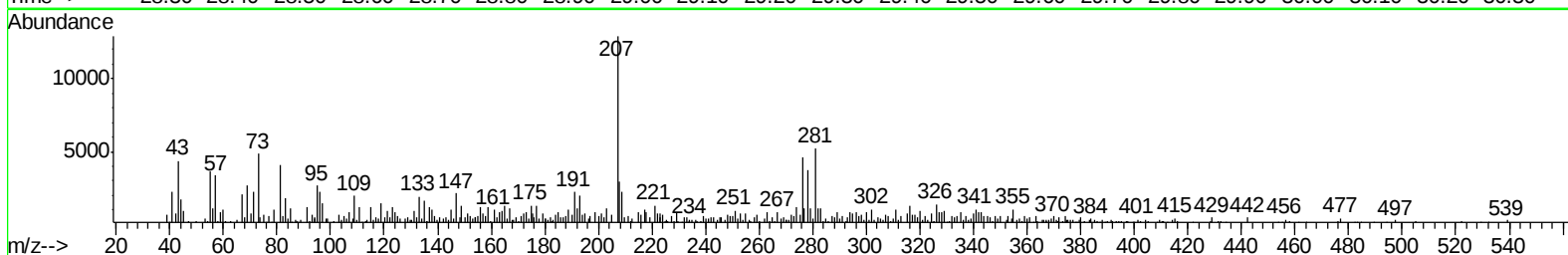
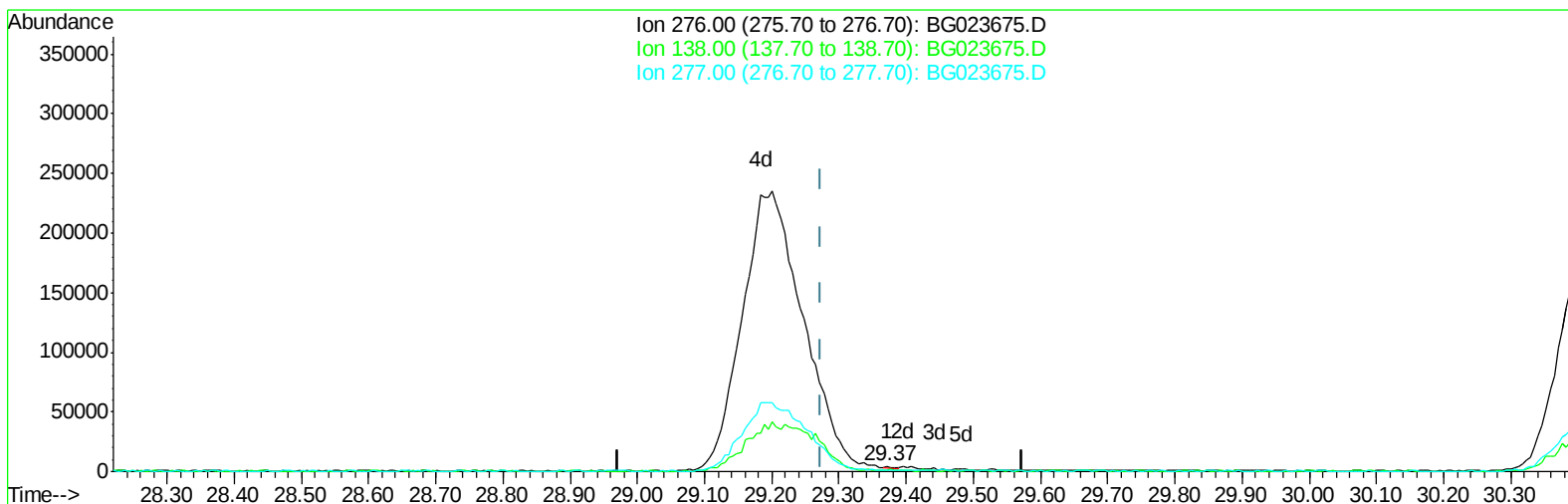
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Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02031

Manual Integrations
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Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

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

29.371min (+0.099) 0.02ng/ul

response 1184

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	21.80
277.00	22.00	24.50
0.00	0.00	0.00

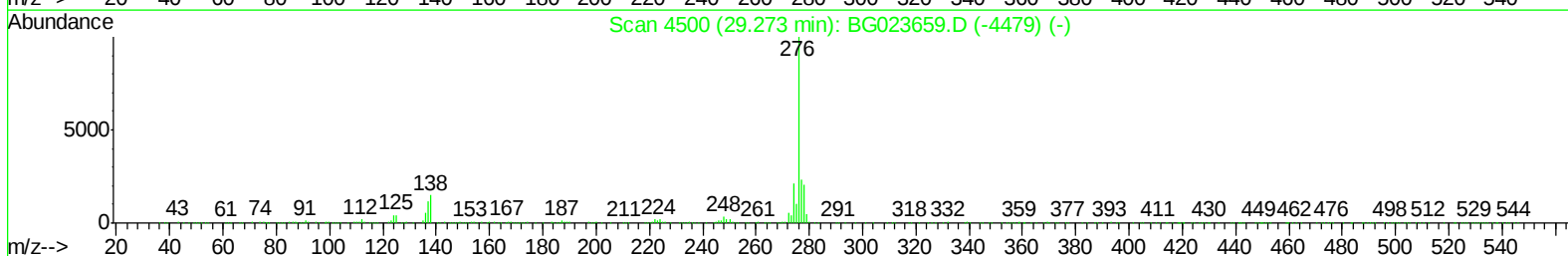
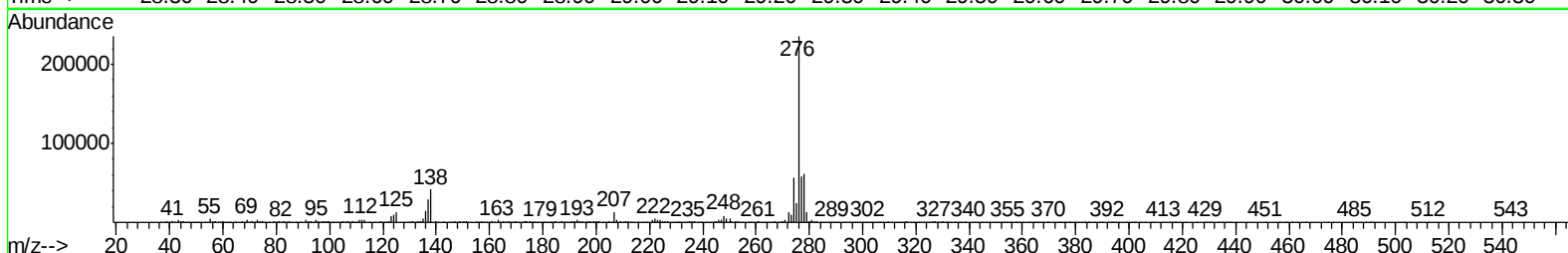
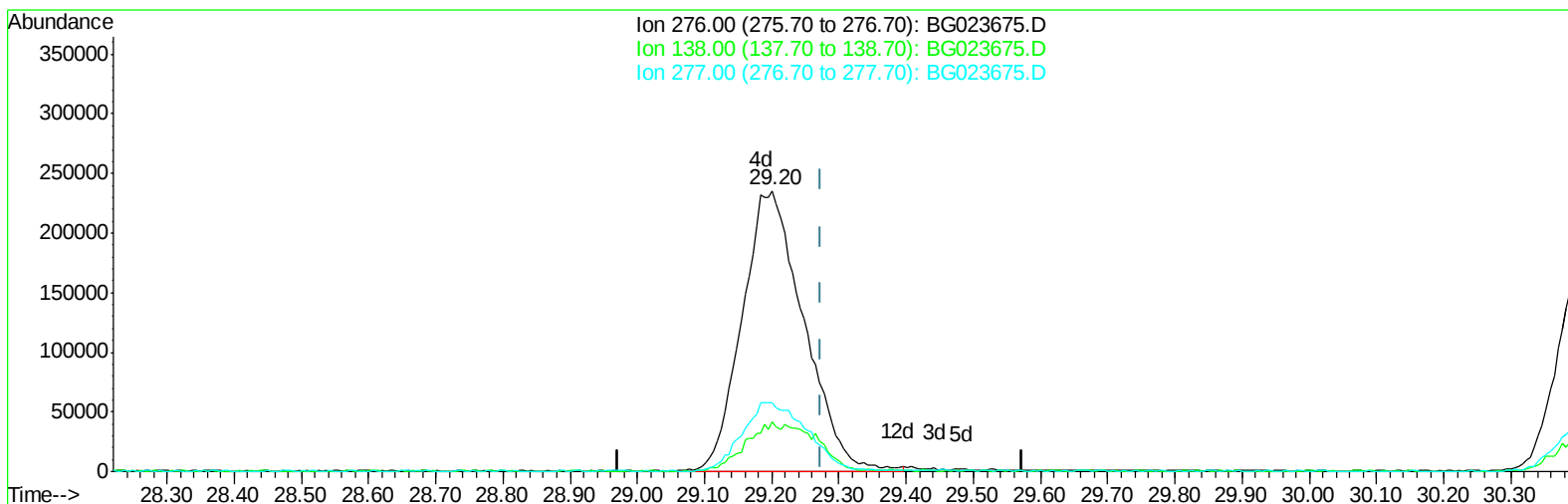
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02031

Manual Integrations
APPROVED

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8/15/2016 6:50:20 PM

Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

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

29.201min (-0.072) 21.50ng/ul m

response 1503121

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	17.77#
277.00	22.00	24.42
0.00	0.00	0.00

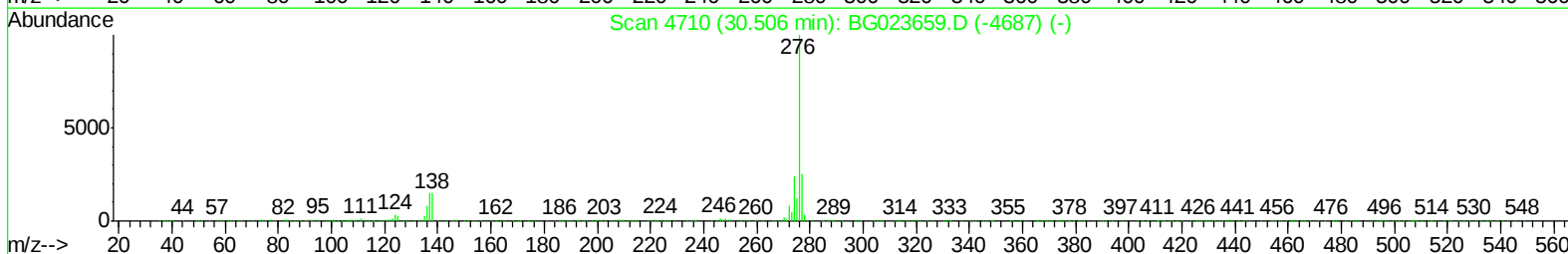
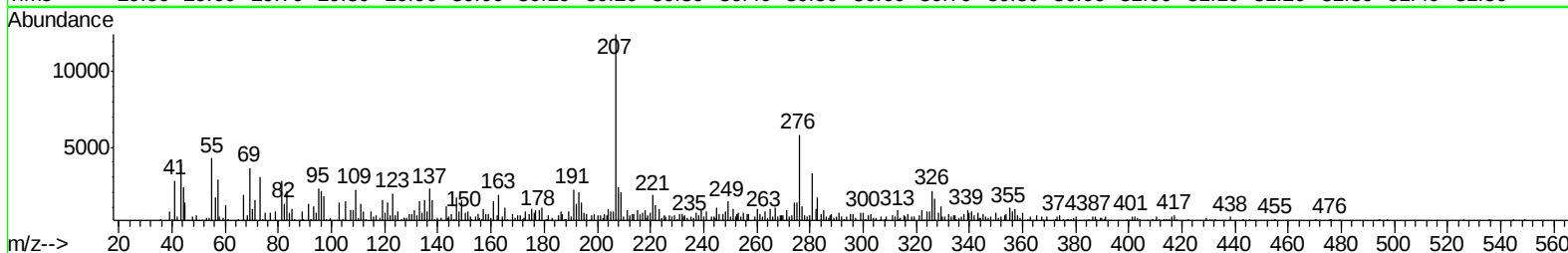
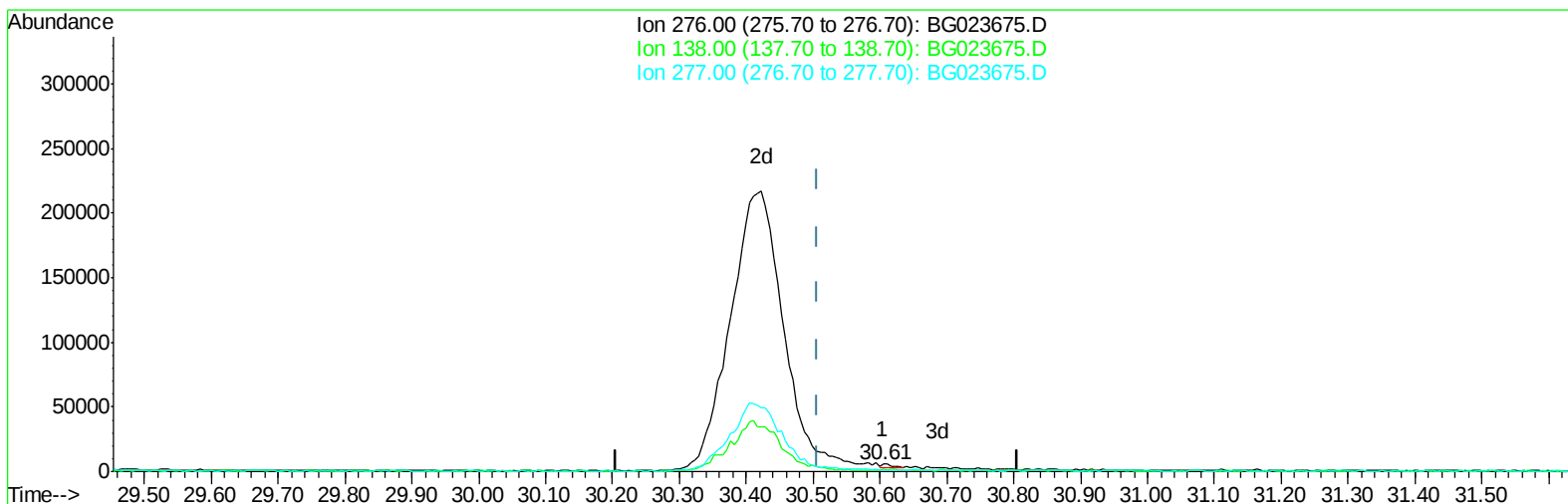
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Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02031

Manual Integrations
APPROVED

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8/15/2016 6:50:20 PM

Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

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

30.605min (+0.099) 0.06ng/ul

response 3519

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	26.27
277.00	21.20	18.54
0.00	0.00	0.00

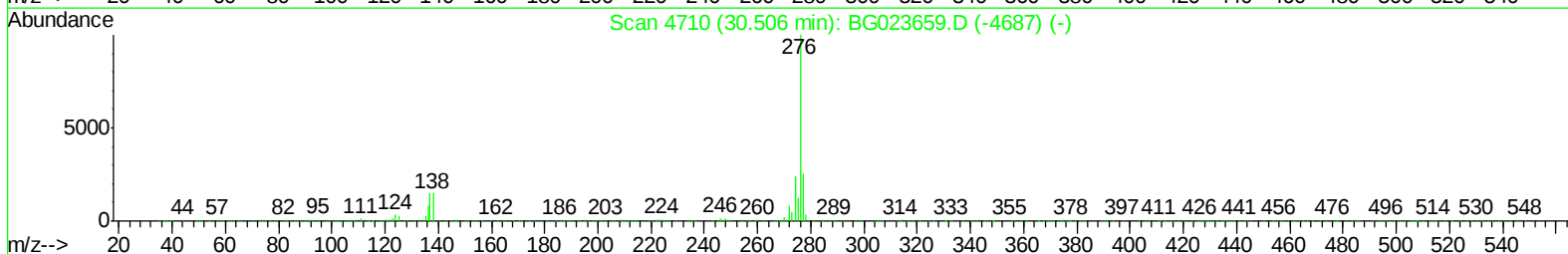
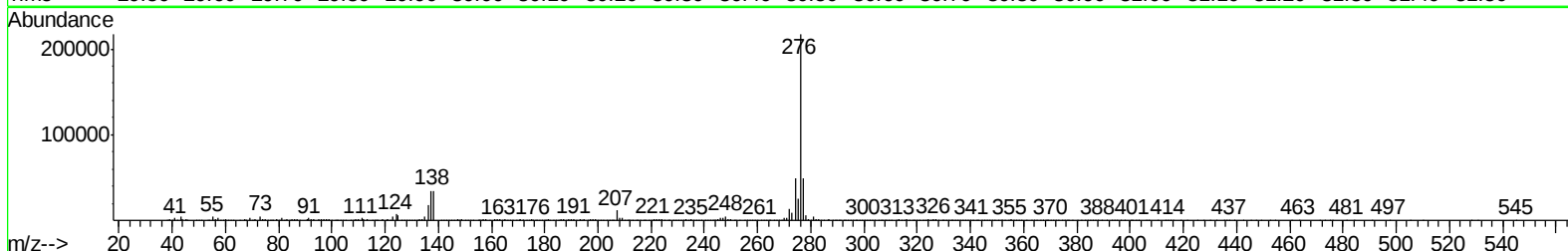
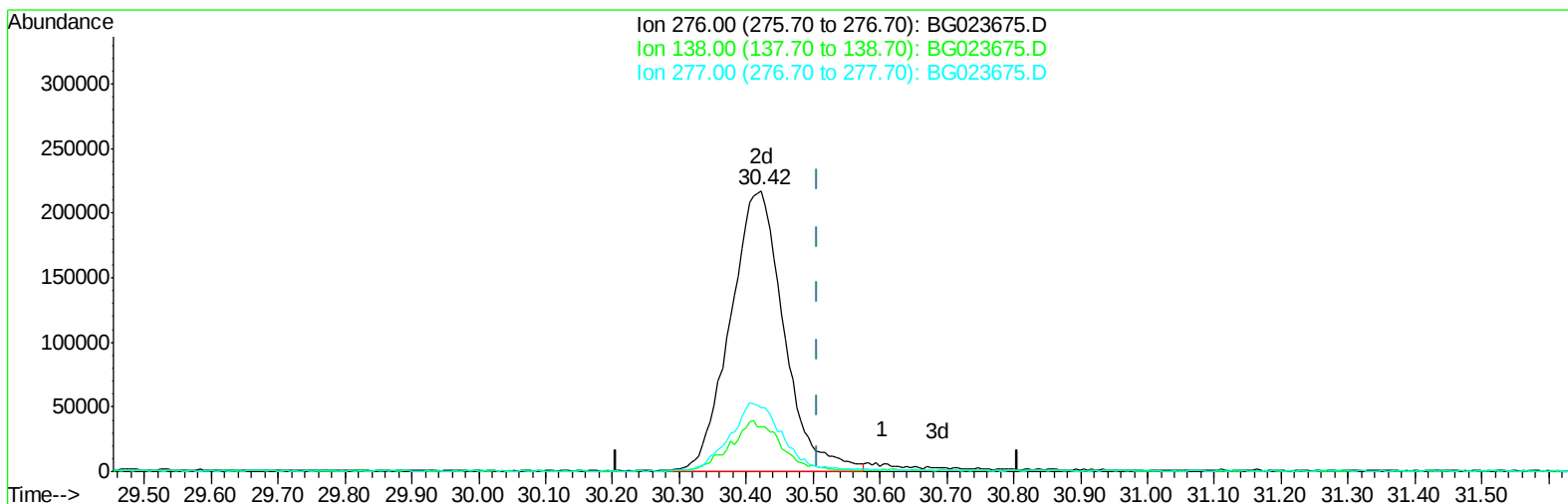
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023675.D
Acq On : 13 Aug 2016 3:15
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02031

Manual Integrations
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Quant Time: Aug 13 03:53:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023675.D

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

30.423min (-0.083) 20.90ng/ul m

response 1211391

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	15.97#
277.00	21.20	22.67
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023675.D
 Acq On : 13 Aug 2016 3:15
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02031

Manual Integrations
 APPROVED

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 8/15/2016 6:50:20 PM

Quant Time: Aug 13 05:38:15 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	146124	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	699069	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	493531	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.55	188	1128719	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	1065030	20.00	ng/ul	-0.02
83) Perylene-d12	25.28	264	1083516	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	25293	7.36	ng/uL	0.00
5) Phenol-d5	7.27	99	291583	19.81	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.42	67	190548	20.20	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	204866	20.40	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	238890	20.79	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	110145	19.99	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.03	143	133814	21.14	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.57	165	246189	20.62	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	323514	23.10	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	816263	20.20	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	963699	21.19	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	138348	20.06	ng/ul	-0.02
57) Fluorene-d10	15.78	176	733419	19.64	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	144820	20.00	ng/ul	-0.01
70) Anthracene-d10	17.65	188	1072658	21.09	ng/ul	-0.01
76) Pyrene-d10	19.94	212	1085102	20.13	ng/ul	-0.02
87) Benzo(a)pyrene-d12	25.05	264	1027909	20.96	ng/ul	-0.04

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	27918	7.74	ng/uL#	89
4) Benzaldehyde	7.24	77	201067	22.41	ng/ul#	82
6) Phenol	7.30	94	304885	19.89	ng/ul#	71
8) Bis(2-Chloroethyl)ether	7.52	93	222053	19.95	ng/ul#	87
10) 2-Chlorophenol	7.67	128	206394	20.18	ng/ul#	85
11) 2-Methylphenol	8.56	108	232141	20.11	ng/ul	91
12) 2,2'-oxybis(1-Chloropropan	8.65	45	314387	20.65	ng/ul	99
14) Acetophenone	8.95	105	382696	20.76	ng/ul#	81
15) N-Nitroso-di-n-propylamine	8.92	70	221866	20.01	ng/ul#	84
16) 4-Methylphenol	8.89	108	258617	19.99	ng/ul	97
17) Hexachloroethane	9.20	117	89464	20.27	ng/ul#	89
20) Nitrobenzene	9.33	77	318390	19.71	ng/ul#	86
21) Isophorone	9.86	82	600500	20.21	ng/ul#	92
23) 2-Nitrophenol	10.06	139	135052	19.77	ng/ul#	65
24) 2,4-Dimethylphenol	10.11	107	299209m	19.96	ng/ul	
25) Bis(2-Chloroethoxy)methane	10.34	93	331286	19.33	ng/ul#	98
27) 2,4-Dichlorophenol	10.60	162	240634	19.99	ng/ul	93
28) Naphthalene	11.00	128	723051	20.37	ng/ul	99
30) 4-Chloroaniline	11.11	127	318059	22.88	ng/ul	97
31) Hexachlorobutadiene	11.28	225	163050	20.34	ng/ul	98
32) Caprolactam	11.88	113	100073m	20.02	ng/ul	
33) 4-Chloro-3-methylphenol	12.24	107	321254	20.74	ng/ul	84
34) 2-Methylnaphthalene	12.61	142	585206	20.34	ng/ul	96

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023675.D
 Acq On : 13 Aug 2016 3:15
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02031

Manual Integrations
 APPROVED

sohil
 8/15/2016 6:50:20 PM

Quant Time: Aug 13 05:38:15 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.98	216	326047	21.52	ng/ul	96
37) Hexachlorocyclopentadiene	12.95	237	117576	14.03	ng/ul	96
38) 2,4,6-Trichlorophenol	13.22	196	225188	21.46	ng/ul	98
39) 2,4,5-Trichlorophenol	13.30	196	240718	21.40	ng/ul	95
40) 1,1'-Biphenyl	13.61	154	763611	21.06	ng/ul	98
41) 2-Chloronaphthalene	13.66	162	599999	21.27	ng/ul	97
42) 2-Nitroaniline	13.87	65	250296	21.74	ng/ul#	65
44) Dimethylphthalate	14.23	163	790640	19.76	ng/ul	99
45) 2,6-Dinitrotoluene	14.36	165	183537	21.16	ng/ul#	82
47) Acenaphthylene	14.51	152	993963	20.90	ng/ul	99
48) 3-Nitroaniline	14.70	138	176469	21.64	ng/ul#	55
49) Acenaphthene	14.85	153	668321	20.62	ng/ul	96
50) 2,4-Dinitrophenol	14.91	184	87030	16.26	ng/ul#	79
52) 4-Nitrophenol	15.02	109	129083	18.68	ng/ul#	74
53) Dibenzofuran	15.18	168	956504	19.92	ng/ul#	87
54) 2,4-Dinitrotoluene	15.16	165	260959	19.85	ng/ul#	73
55) 2,3,4,6-Tetrachlorophenol	15.42	232	230120	19.91	ng/ul	97
56) Diethylphthalate	15.60	149	832139	19.90	ng/ul	95
58) Fluorene	15.84	166	784791	19.62	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.83	204	396684	19.71	ng/ul	96
60) 4-Nitroaniline	15.87	138	188325	19.91	ng/ul#	68
63) 4,6-Dinitro-2-methylphenol	15.93	198	148865	19.58	ng/ul#	94
64) N-Nitrosodiphenylamine	16.04	169	716190	22.71	ng/ul	97
65) 4-Bromophenyl-phenylether	16.73	248	272931	21.09	ng/ul	99
66) Hexachlorobenzene	16.85	284	297235	21.56	ng/ul	95
67) Atrazine	16.99	200	290898	22.33	ng/ul	98
68) Pentachlorophenol	17.21	266	150734	19.81	ng/ul	90
69) Phenanthrene	17.60	178	1222366	20.91	ng/ul	97
71) Anthracene	17.69	178	1273872	21.36	ng/ul	97
72) Carbazole	17.96	167	1075880	22.38	ng/ul	96
73) Di-n-butylphthalate	18.50	149	1352698	22.47	ng/ul#	94
74) Fluoranthene	19.61	202	1339539	22.38	ng/ul#	93
77) Pyrene	19.97	202	1364925	20.73	ng/ul#	92
78) Butylbenzylphthalate	20.85	149	592929m	23.48	ng/ul	
79) 3,3'-Dichlorobenzidine	21.76	252	474528	25.29	ng/ul#	98
80) Benzo(a)anthracene	21.86	228	1290861	21.52	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.73	149	816617	24.32	ng/ul#	98
82) Chrysene	21.93	228	1166303	21.39	ng/ul	95
84) Di-n-octyl phthalate	23.00	149	1372286	25.08	ng/ul	100
85) Benzo(b)fluoranthene	24.20	252	1295412	21.02	ng/ul#	93
86) Benzo(k)fluoranthene	24.27	252	1230294	20.28	ng/ul#	92
88) Benzo(a)pyrene	25.12	252	1251169	21.03	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	29.20	276	1503121m	21.50	ng/ul	
90) Dibenzo(a,h)anthracene	29.25	278	1267049	21.25	ng/ul#	91
91) Benzo(g,h,i)perylene	30.42	276	1211391m	20.90	ng/ul	

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

