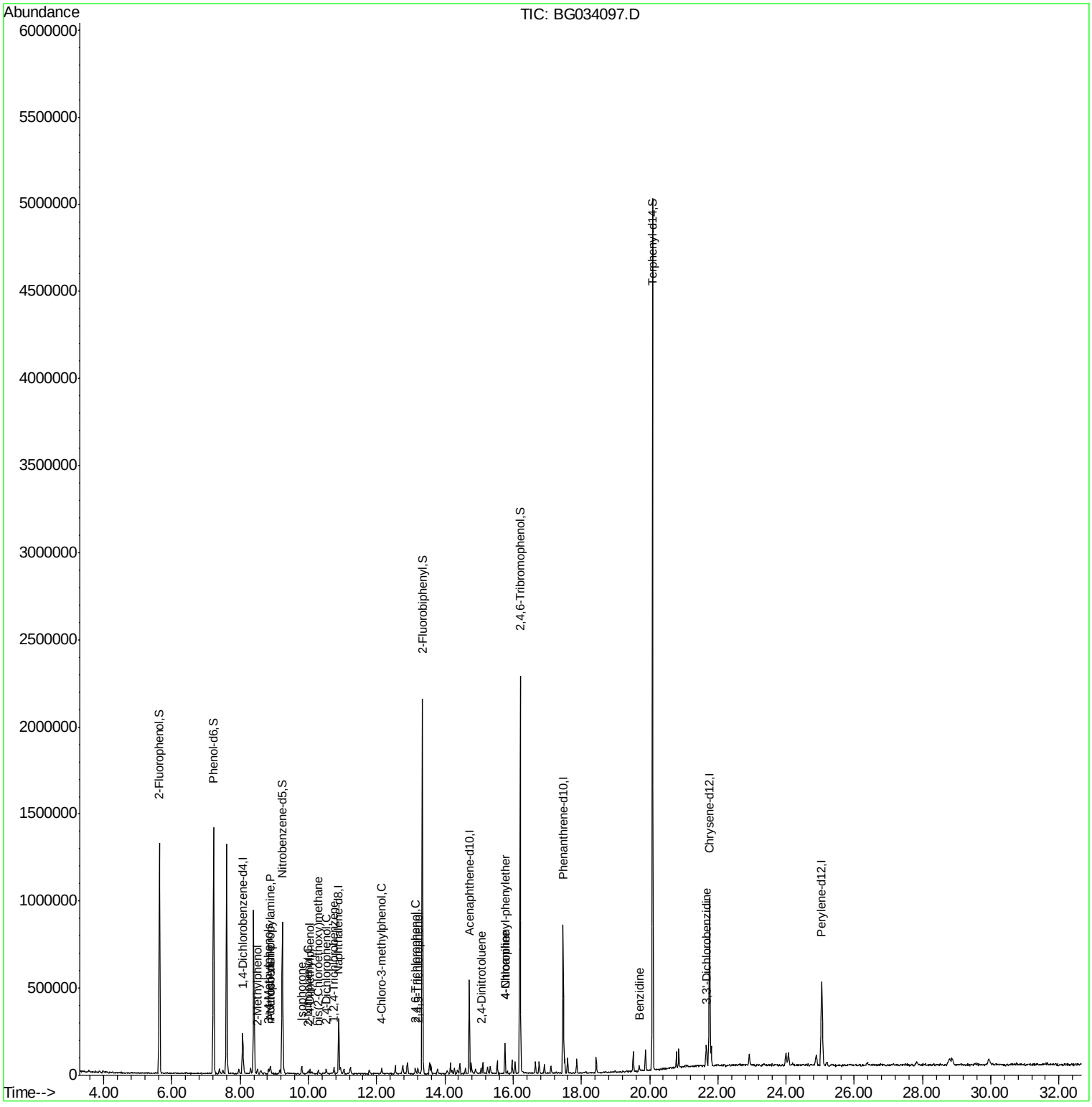
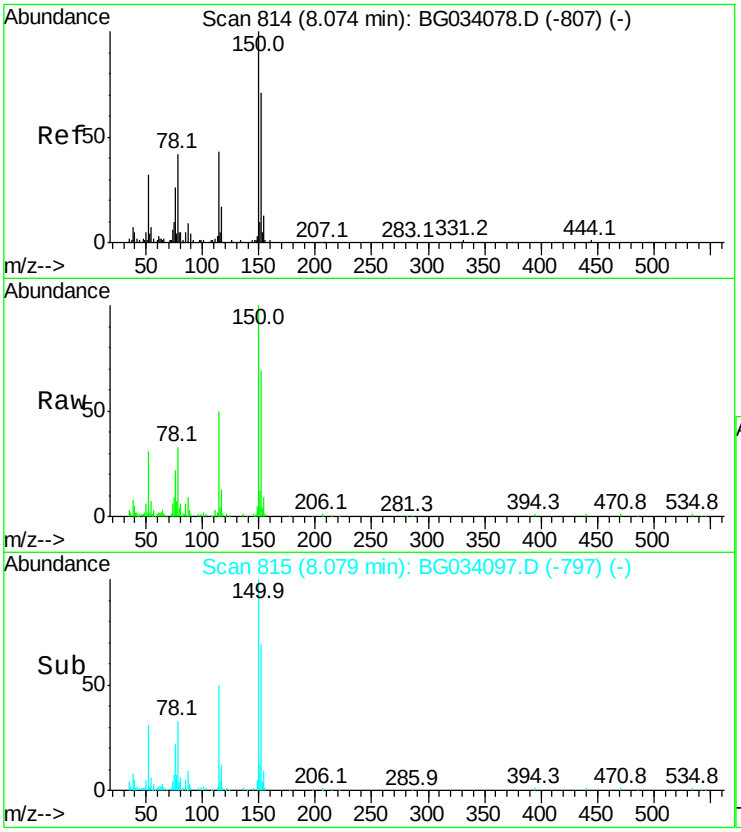
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
Data File : BG034097.D
Acq On : 2 May 2018 2:51
Operator : SJ/JU
Sample : J2133-07
Misc : 2PPM LOD
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Quant Time: May 02 07:29:24 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 2018
Response via : Initial Calibration



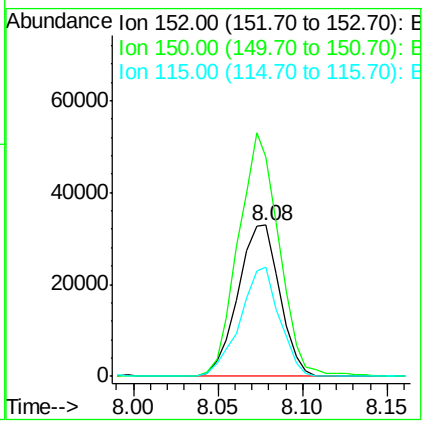


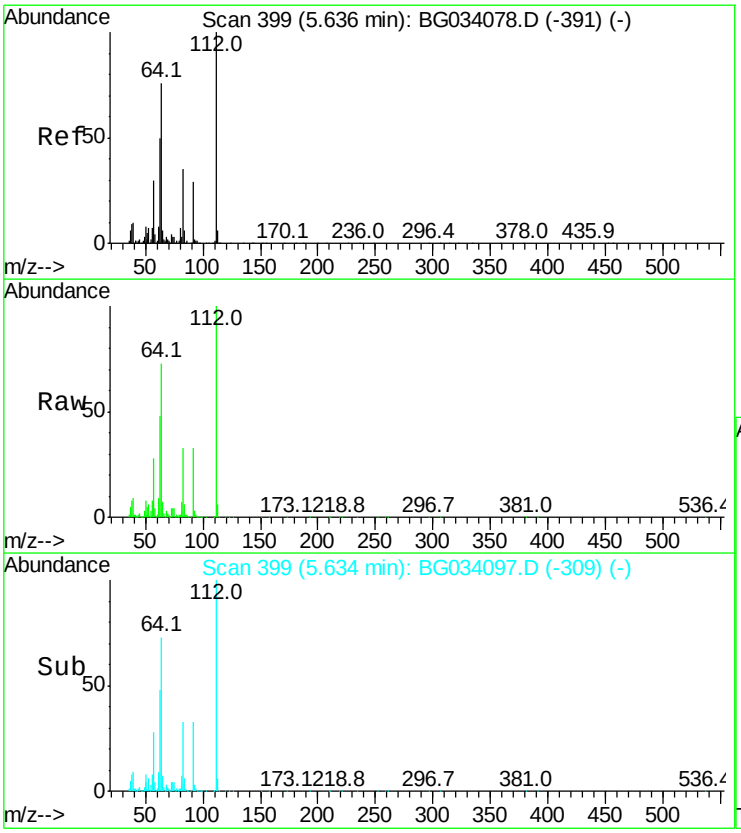
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. 0.00 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:152 Resp: 56620

Ion	Ratio	Lower	Upper
152	100		
150	145.1	126.6	189.8
115	72.0	53.0	79.4

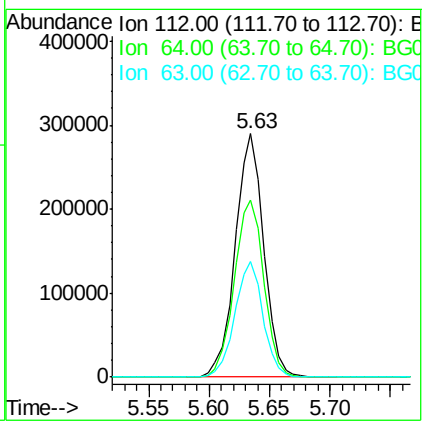


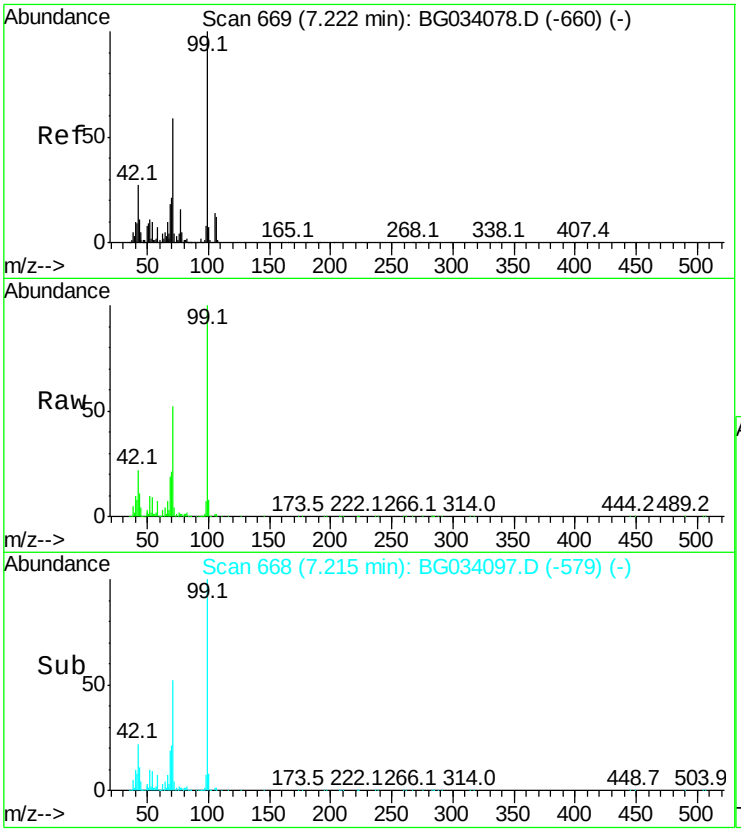


#5
2-Fluorophenol
Concen: 135.808 ng
RT: 5.63 min Scan# 399
Delta R.T. -0.00 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:112 Resp: 475940

Ion	Ratio	Lower	Upper
112	100		
64	72.8	56.3	84.5
63	47.6	30.1	45.1#



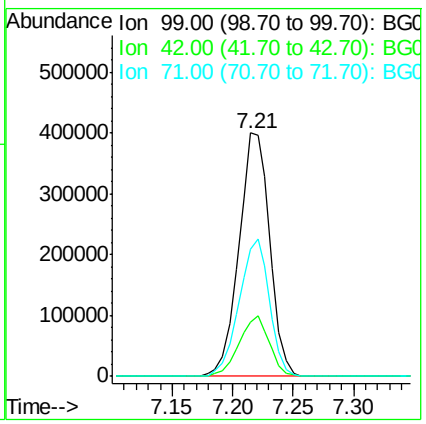


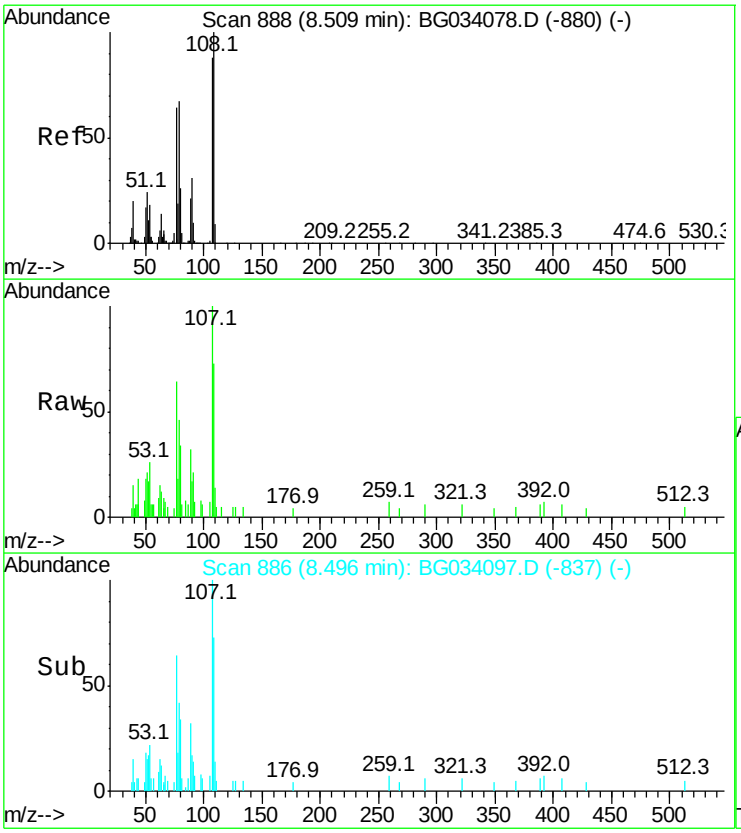
#7
Phenol-d6
Concen: 130.068 ng
RT: 7.21 min Scan# 668
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion: 99 Resp: 709634

Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.1	21.1#
71	52.4	26.1	39.1#

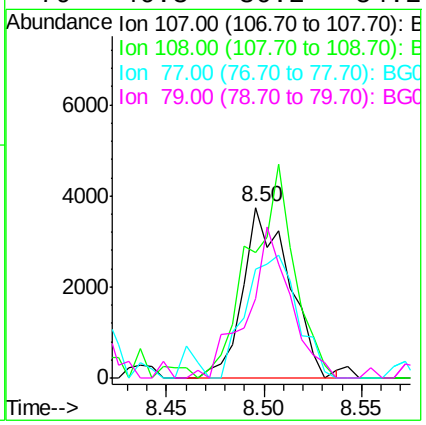


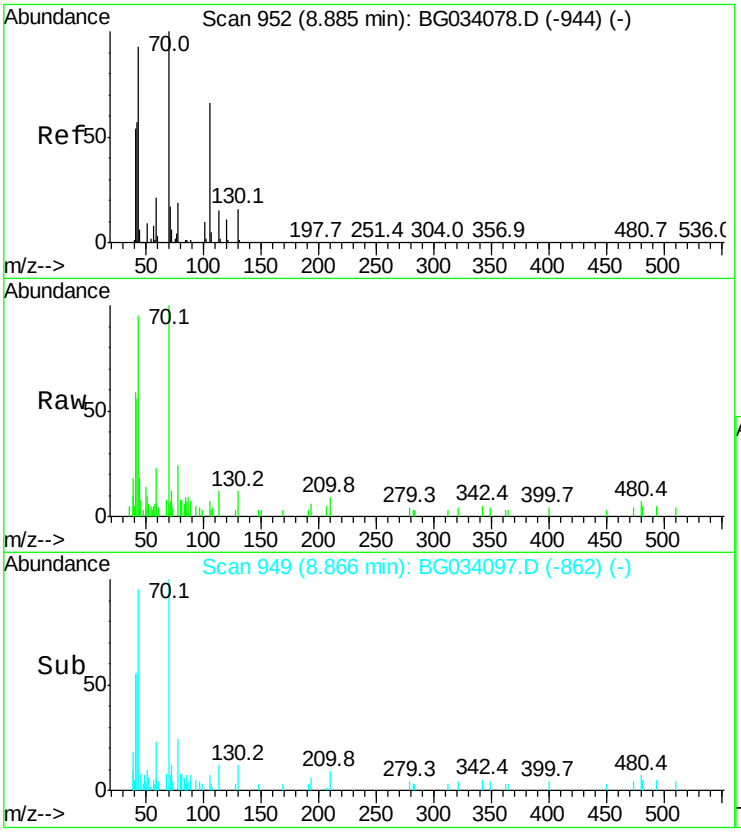


#17
2-Methylphenol
Concen: 1.688 ng
RT: 8.50 min Scan# 886
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:107 Resp: 6113

Ion	Ratio	Lower	Upper
107	100		
108	73.5	83.9	125.9#
77	63.8	37.2	55.8#
79	46.3	36.2	54.2



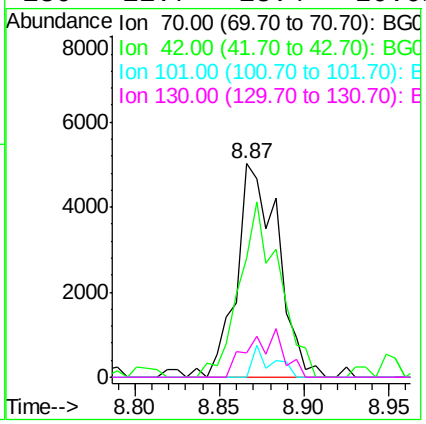


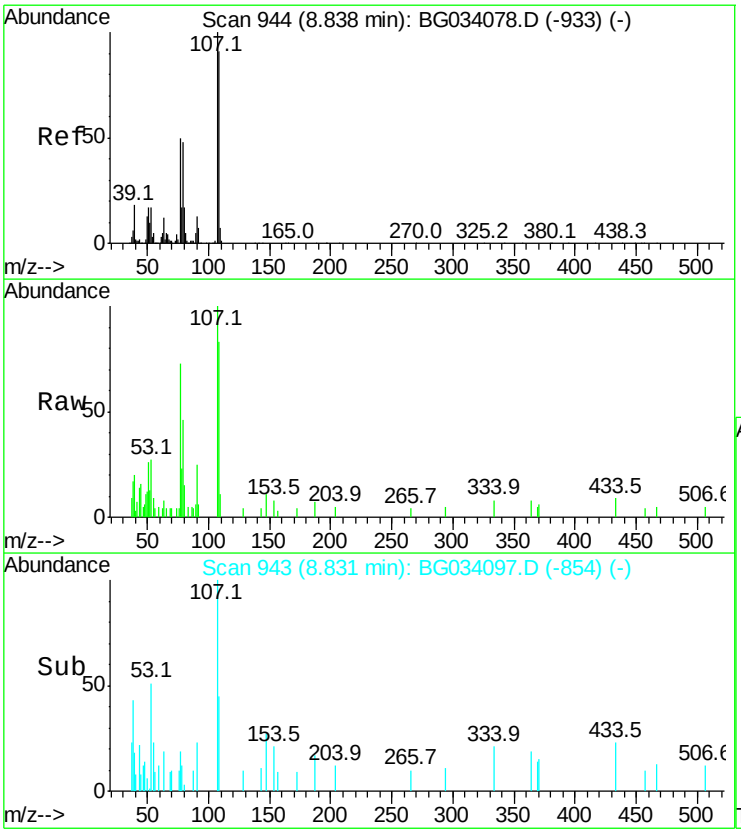
#19
n-Nitroso-di-n-propylamine
Concen: 1.741 ng
RT: 8.87 min Scan# 949
Delta R.T. -0.02 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion: 70 Resp: 8531

Ion	Ratio	Lower	Upper
70	100		
42	55.8	49.1	73.7
101	0.0	8.5	12.7#
130	11.7	13.4	20.0#

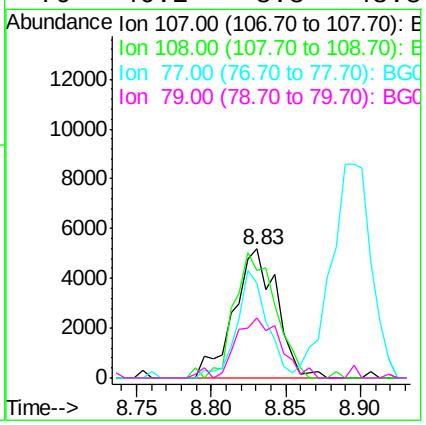


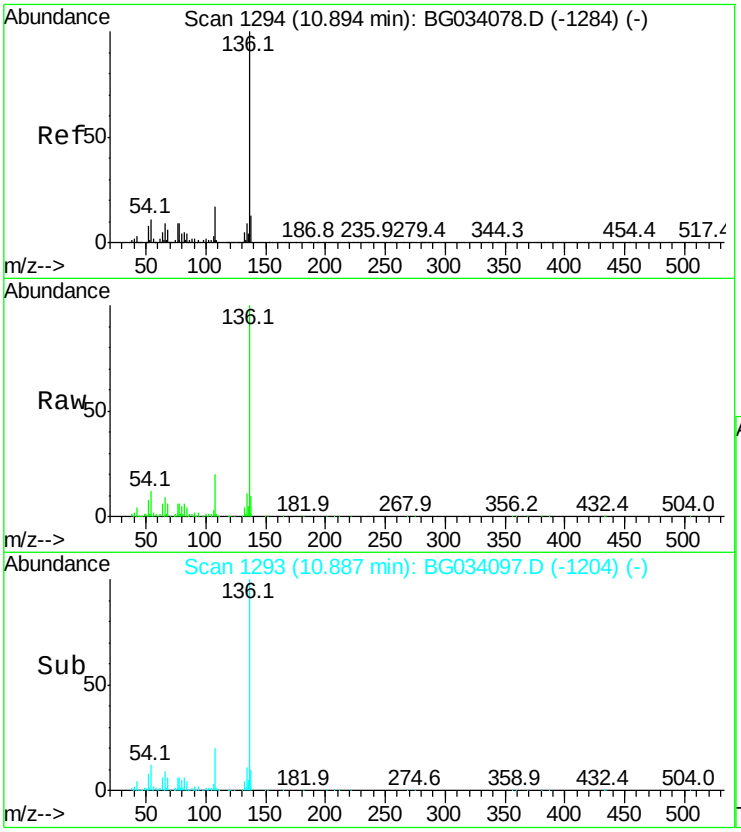


#20
3+4-Methylphenols
Concen: 1.923 ng
RT: 8.83 min Scan# 943
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:107 Resp: 10312

Ion	Ratio	Lower	Upper
107	100		
108	83.4	61.6	101.6
77	73.0	13.9	53.9#
79	46.2	8.8	48.8



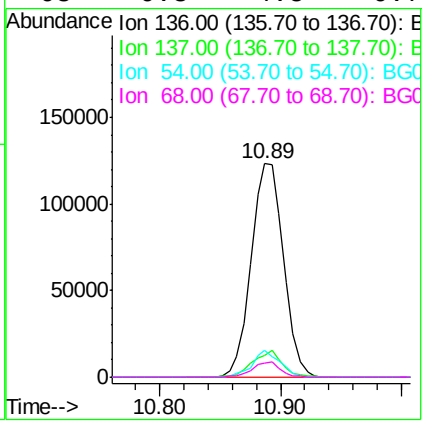


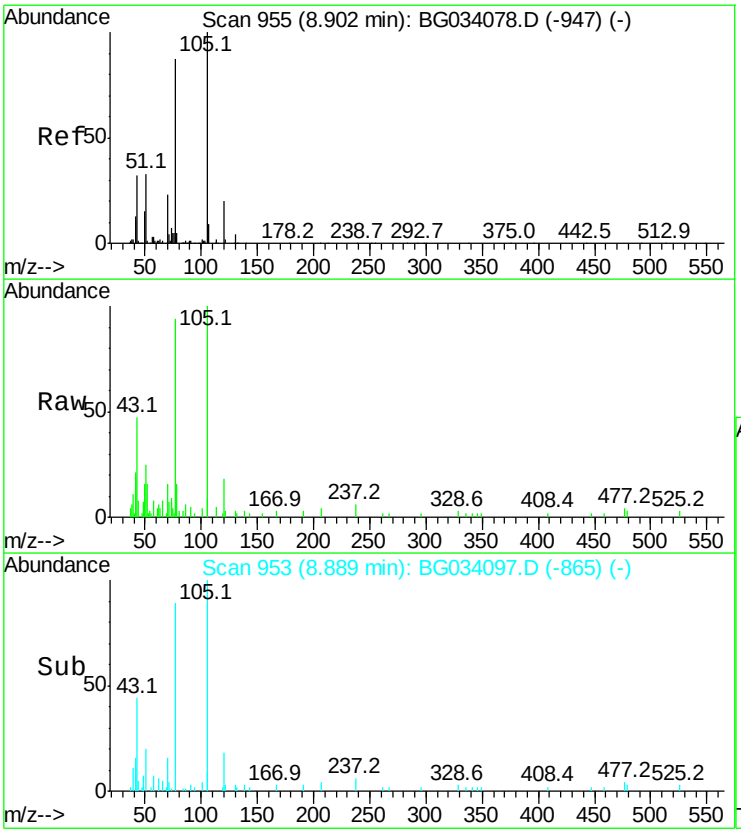
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.89 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:136 Resp: 229862

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	12.4	10.3	15.5
68	6.3	4.5	6.7

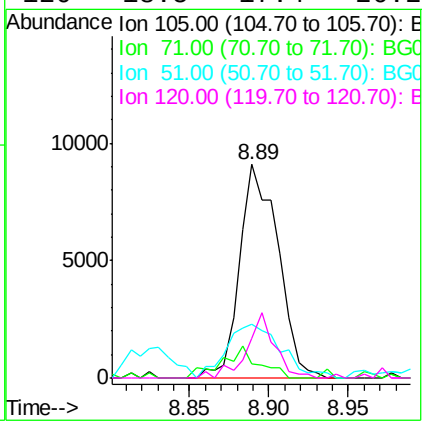


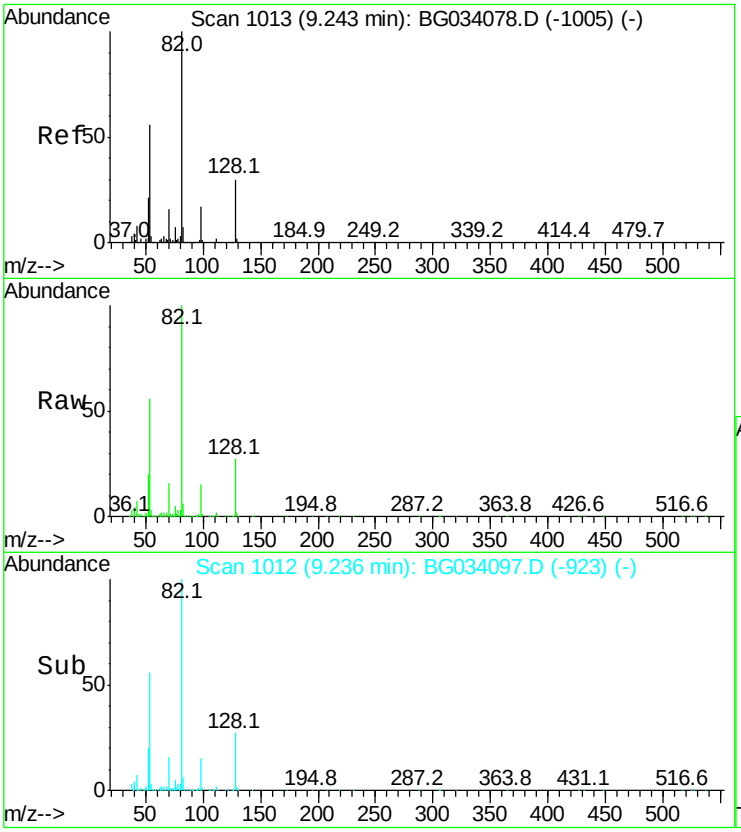


#22
Acetophenone
Concen: 1.959 ng
RT: 8.89 min Scan# 953
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:105 Resp: 15339

Ion	Ratio	Lower	Upper
105	100		
71	6.6	3.0	4.4#
51	25.2	26.1	39.1#
120	18.5	17.4	26.2



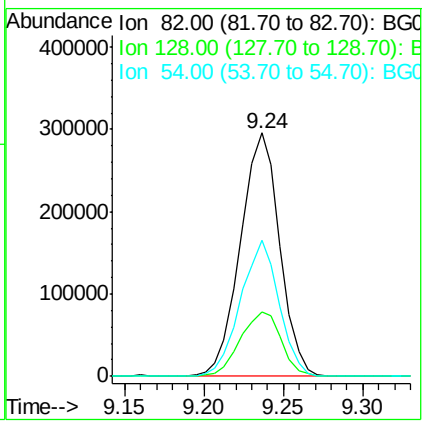


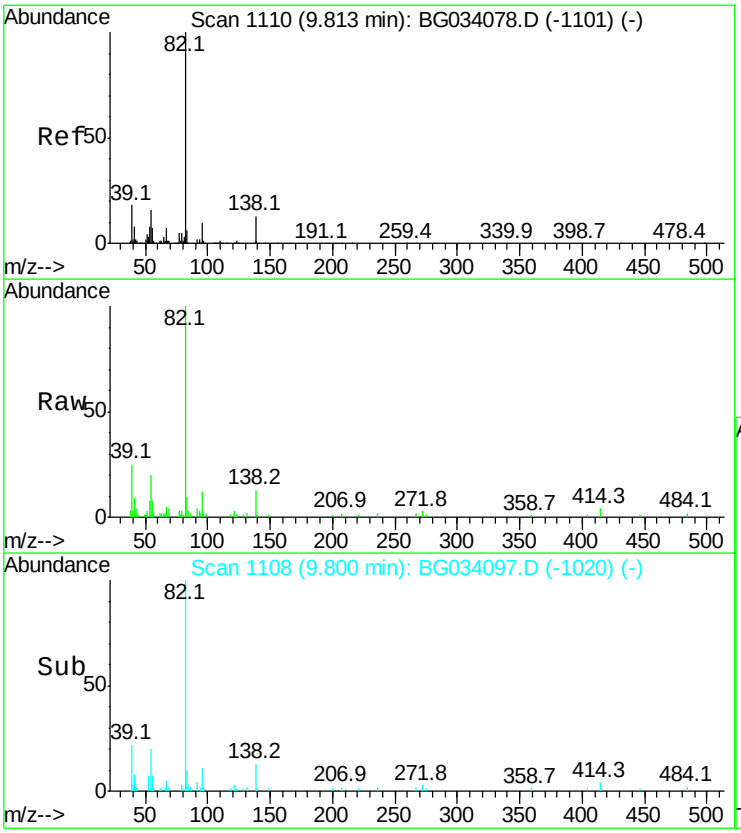
#23
Nitrobenzene-d5
Concen: 84.870 ng
RT: 9.24 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion: 82 Resp: 508452

Ion	Ratio	Lower	Upper
82	100		
128	26.7	29.7	44.5#
54	55.6	43.1	64.7

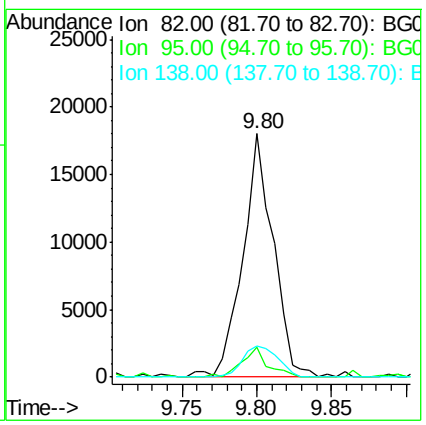


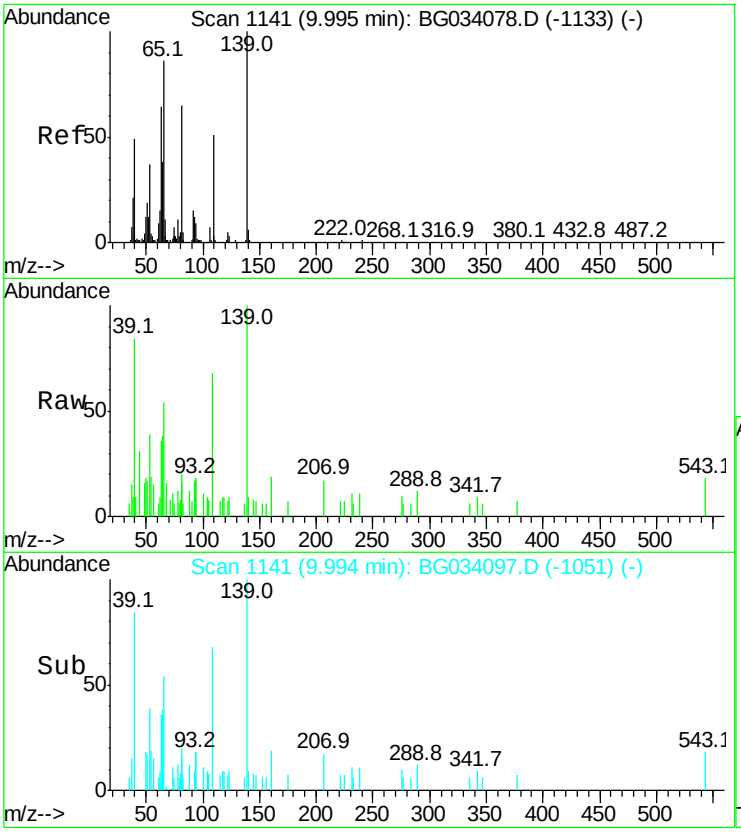


#25
Isophorone
Concen: 2.081 ng
RT: 9.80 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion: 82 Resp: 25437

Ion	Ratio	Lower	Upper
82	100		
95	12.2	6.2	9.2#
138	12.9	12.1	18.1



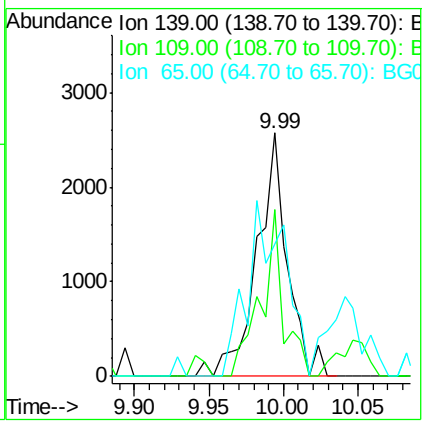


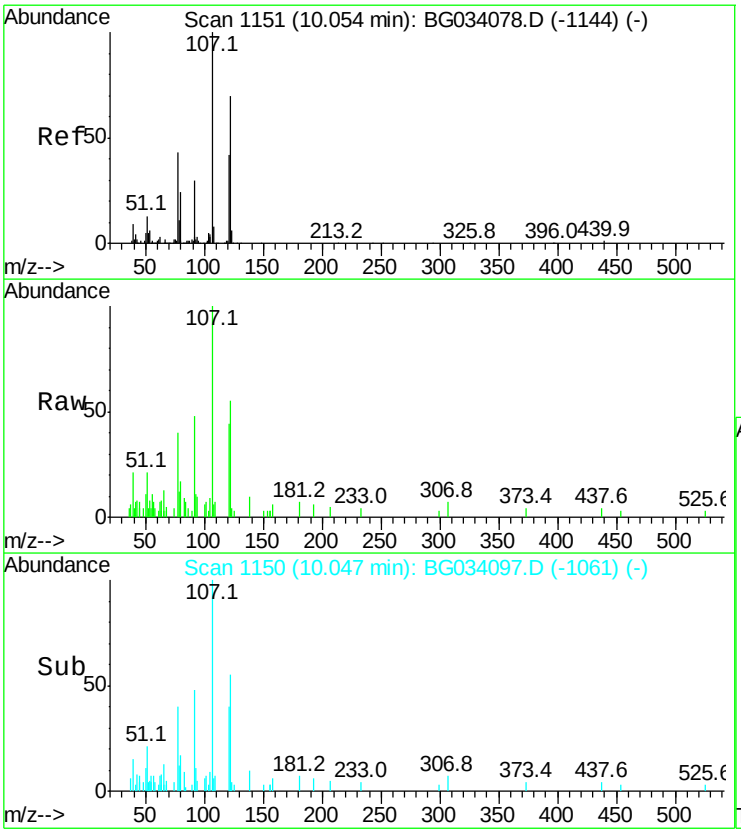
#26
2-Nitrophenol
Concen: 1.999 ng
RT: 9.99 min Scan# 1141
Delta R.T. -0.00 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:139 Resp: 3629

Ion	Ratio	Lower	Upper
139	100		
109	68.4	24.2	36.2#
65	54.5	47.4	71.0

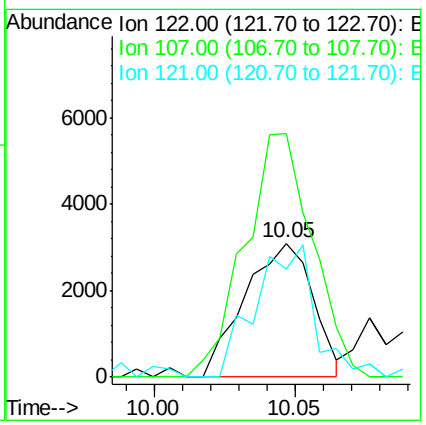


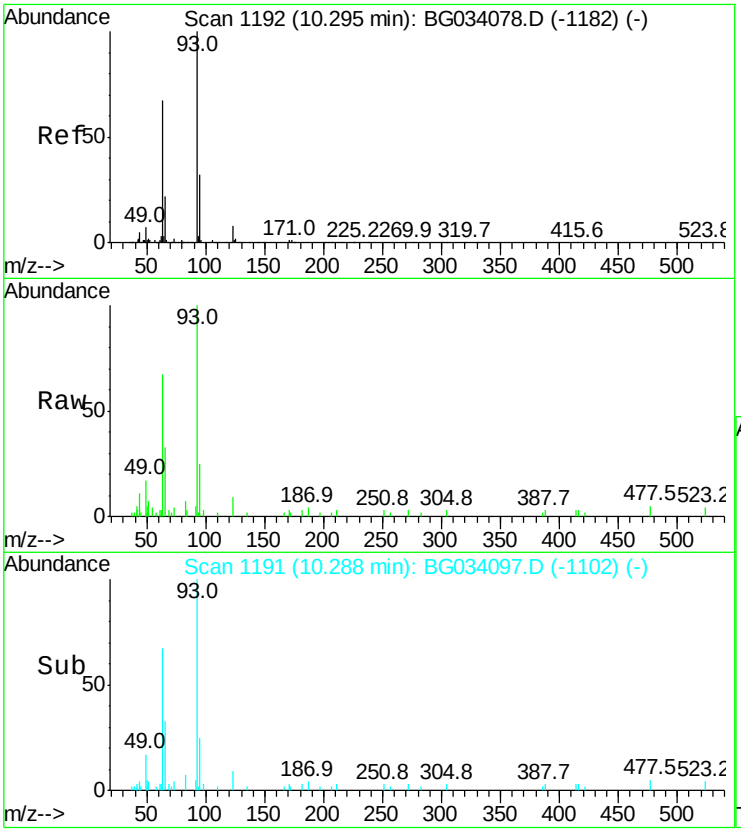


#27
2,4-Dimethylphenol
Concen: 1.482 ng
RT: 10.05 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:122 Resp: 5216

Ion	Ratio	Lower	Upper
122	100		
107	181.9	100.2	150.2#
121	80.3	44.4	66.6#



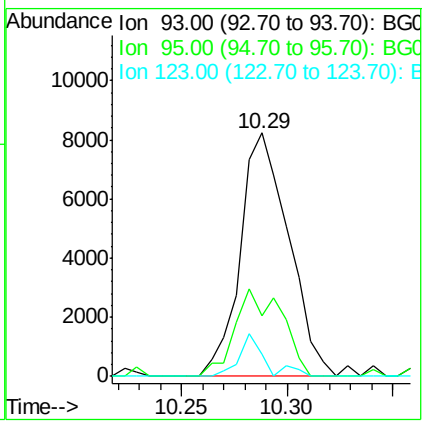


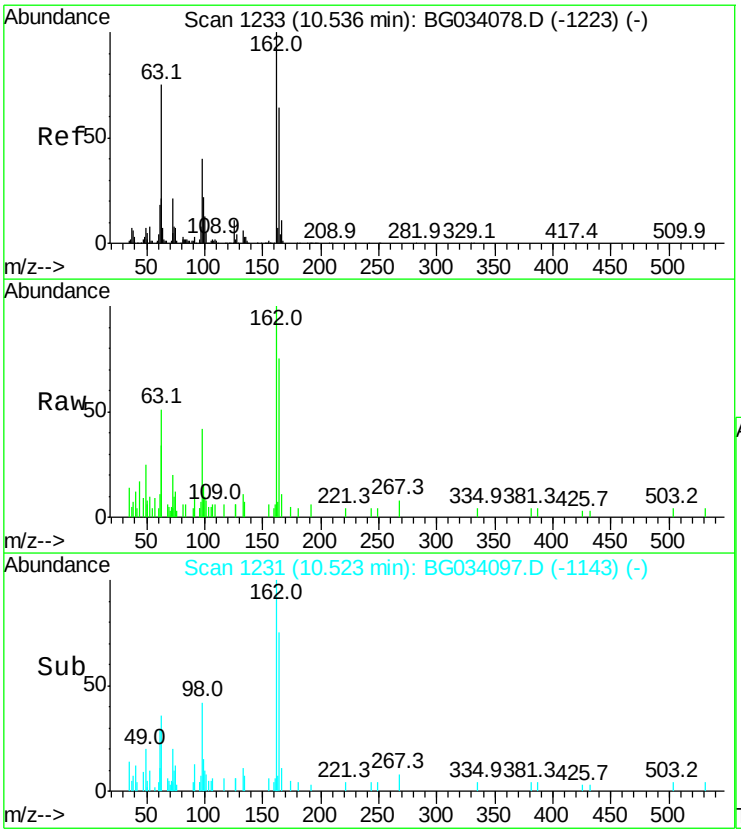
#28
bis(2-Chloroethoxy)methane
Concen: 2.180 ng
RT: 10.29 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion: 93 Resp: 13087

Ion	Ratio	Lower	Upper
93	100		
95	24.7	24.3	36.5
123	9.3	8.4	12.6

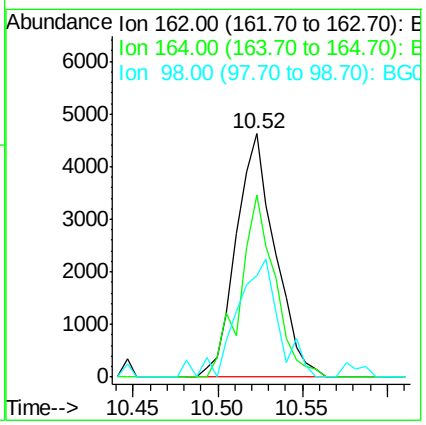


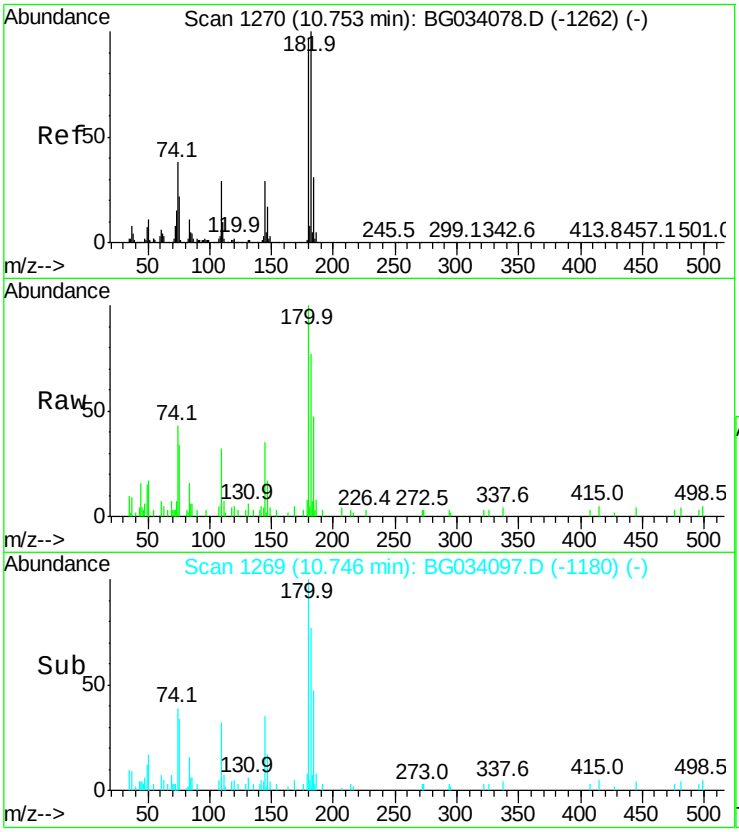


#29
2,4-Dichlorophenol
Concen: 1.769 ng
RT: 10.52 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:162 Resp: 7440

Ion	Ratio	Lower	Upper
162	100		
164	74.8	48.0	88.0
98	41.6	21.1	61.1



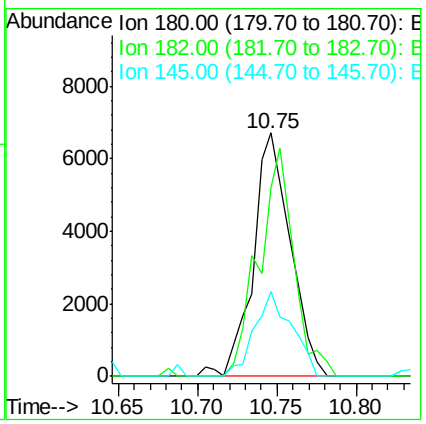


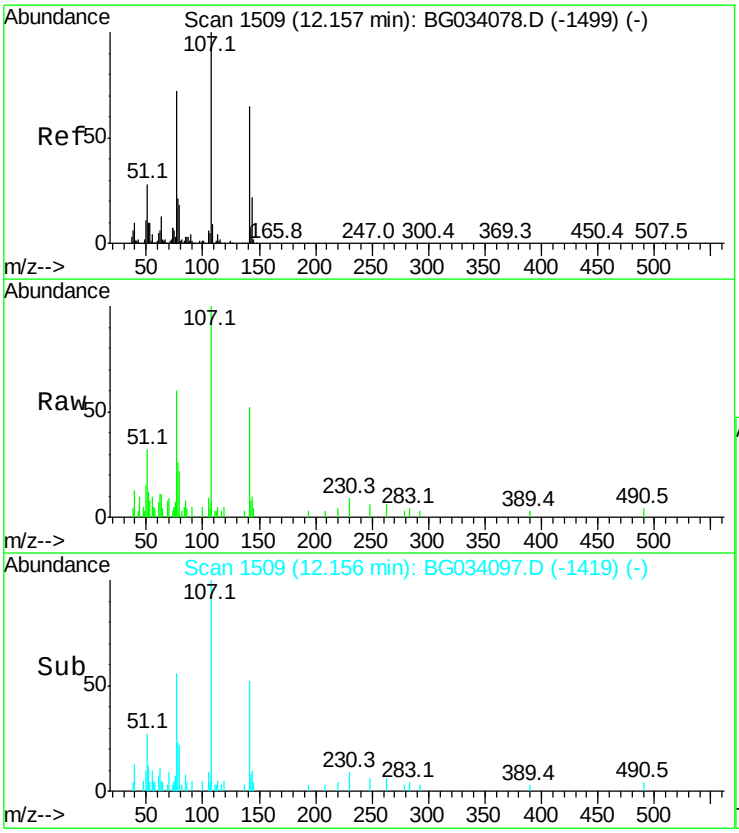
#30
1,2,4-Trichlorobenzene
Concen: 2.163 ng
RT: 10.75 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:180 Resp: 10955

Ion	Ratio	Lower	Upper
180	100		
182	77.3	77.5	116.3#
145	34.9	23.4	35.2

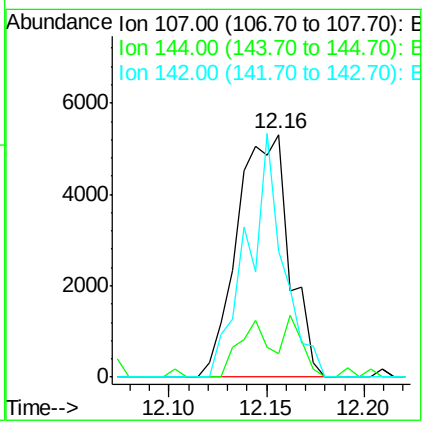


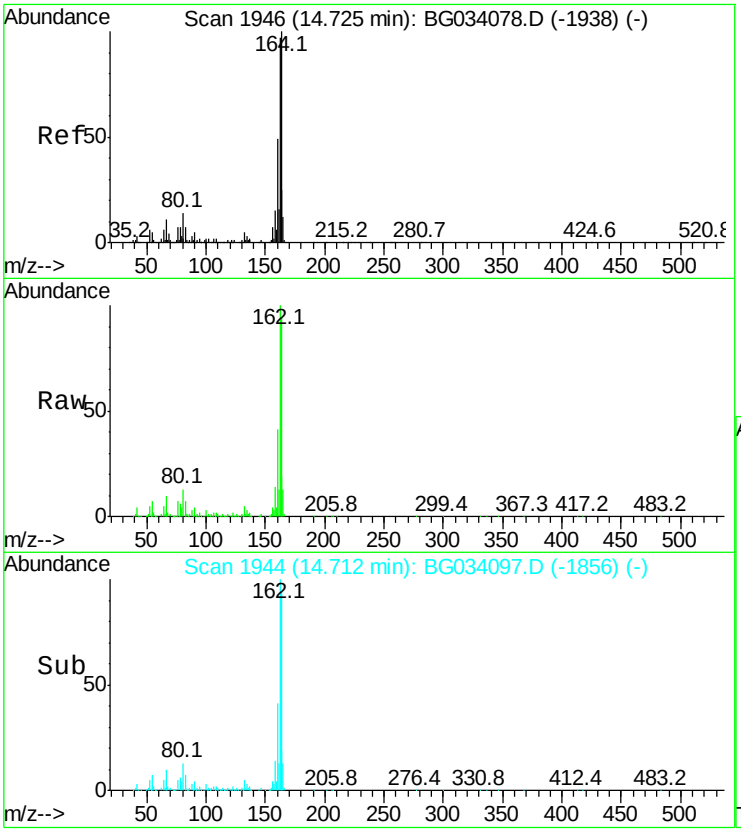


#36
4-Chloro-3-methylphenol
Concen: 1.795 ng
RT: 12.16 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:107 Resp: 9793

Ion	Ratio	Lower	Upper
107	100		
144	9.7	18.2	27.4#
142	51.7	59.0	88.4#



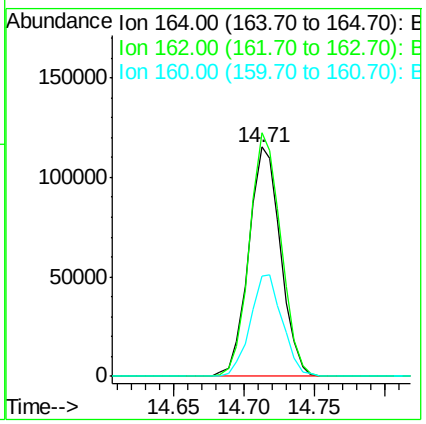


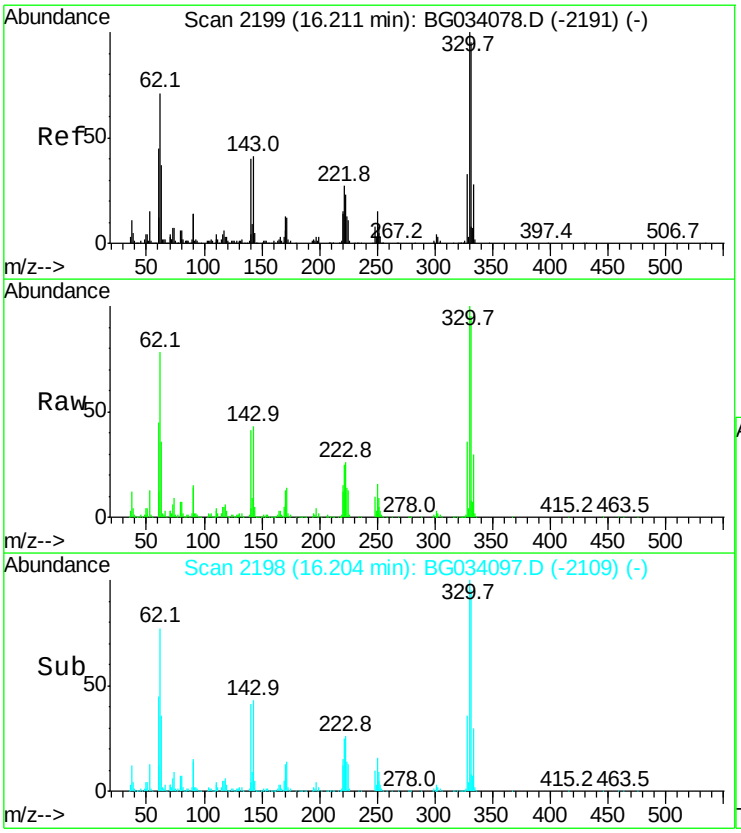
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:164 Resp: 183786

Ion	Ratio	Lower	Upper
164	100		
162	106.1	78.8	118.2
160	43.8	35.4	53.0

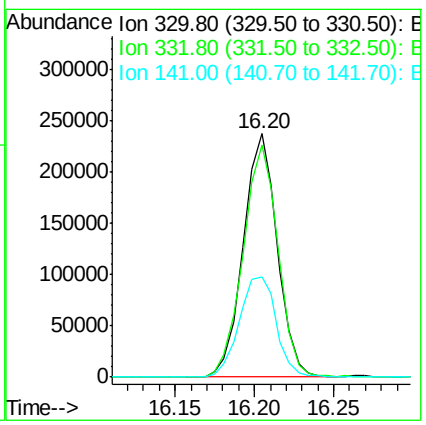


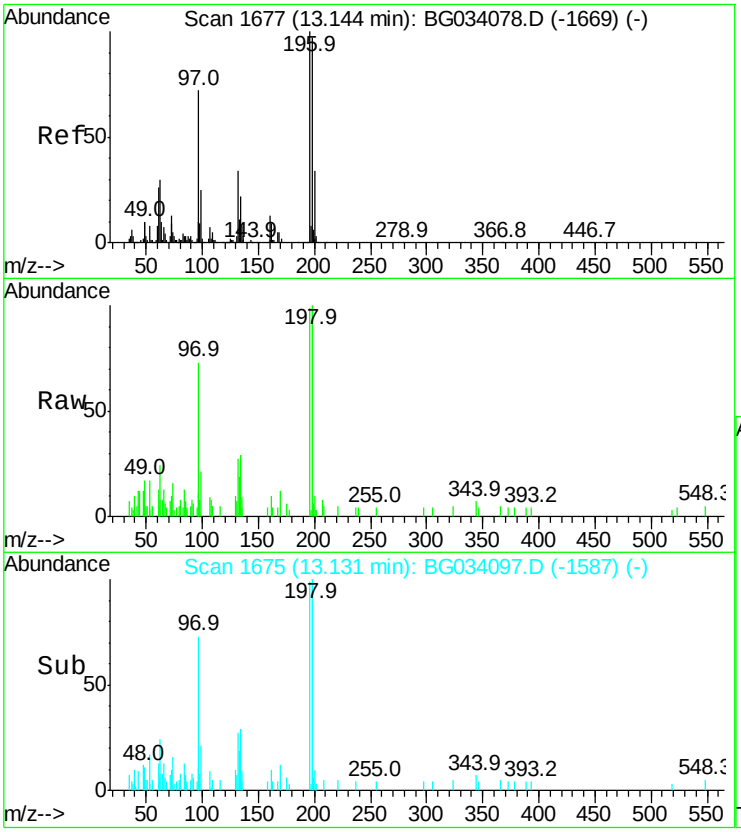


#41
2,4,6-Tribromophenol
Concen: 138.409 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:330 Resp: 352237

Ion	Ratio	Lower	Upper
330	100		
332	98.6	77.0	115.6
141	45.1	25.2	37.8#



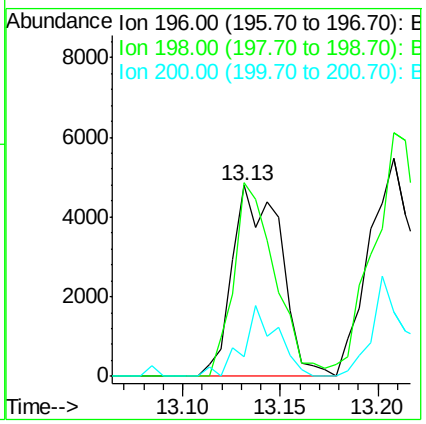


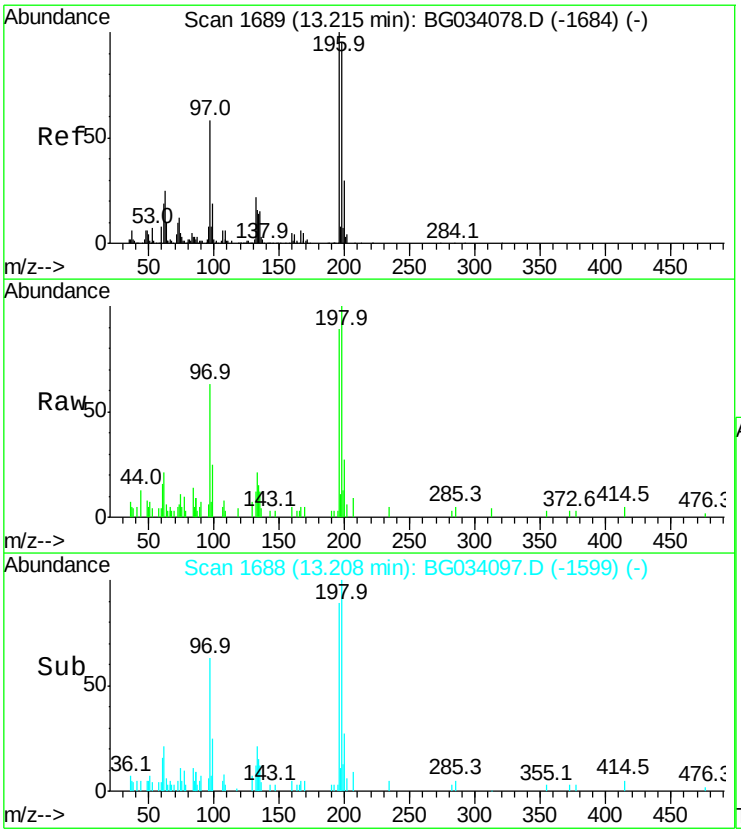
#42
2,4,6-Trichlorophenol
Concen: 1.980 ng
RT: 13.13 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:196 Resp: 8183

Ion	Ratio	Lower	Upper
196	100		
198	101.2	78.2	117.2
200	10.3	24.6	36.8#

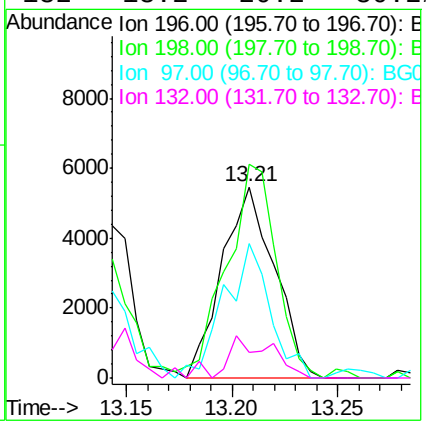


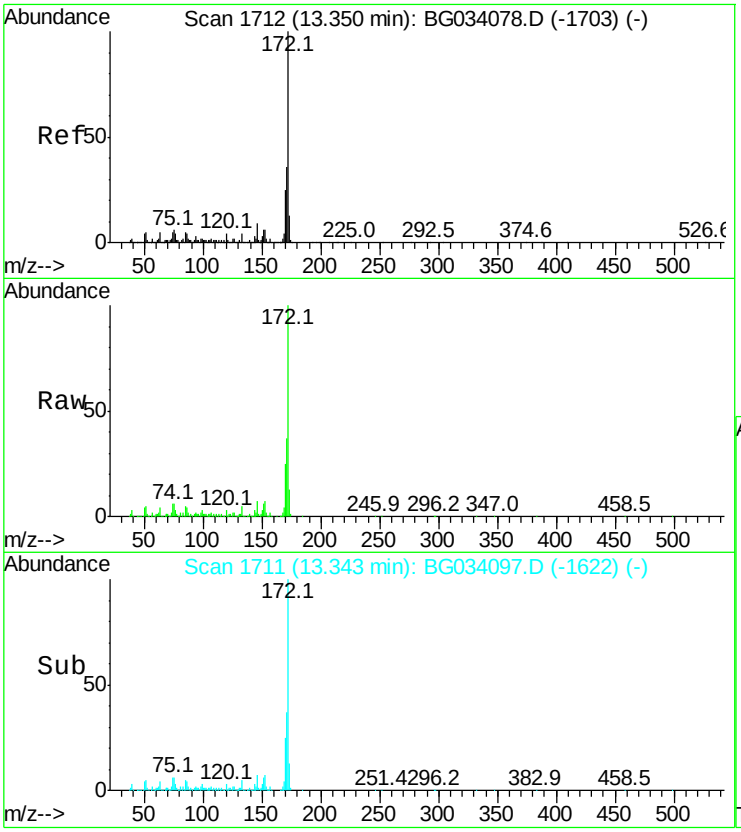


#43
2,4,5-Trichlorophenol
Concen: 2.055 ng
RT: 13.21 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:196 Resp: 9388

Ion	Ratio	Lower	Upper
196	100		
198	126.9	76.2	114.4#
97	70.6	38.7	58.1#
132	13.2	20.2	30.2#



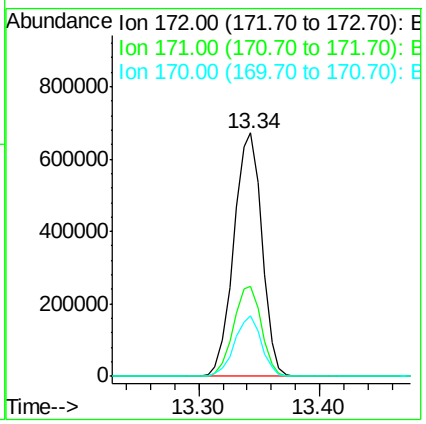


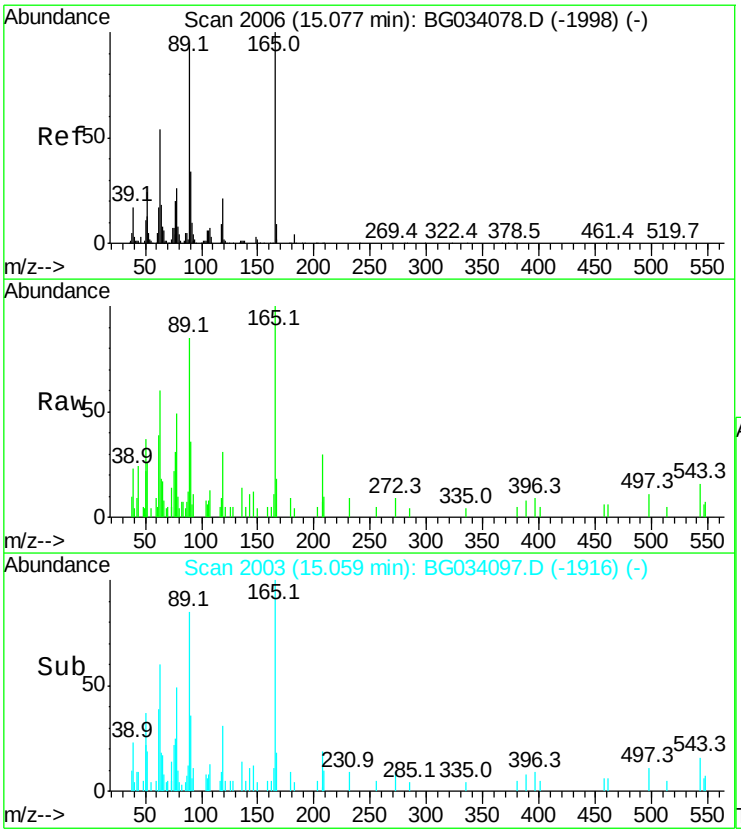
#44
2-Fluorobiphenyl
Concen: 86.194 ng
RT: 13.34 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:172 Resp: 1087135

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.0	45.0
170	24.7	19.5	29.3

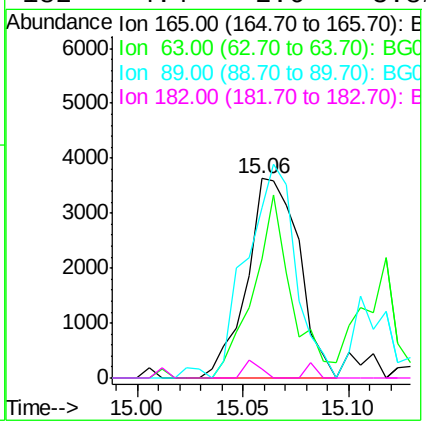


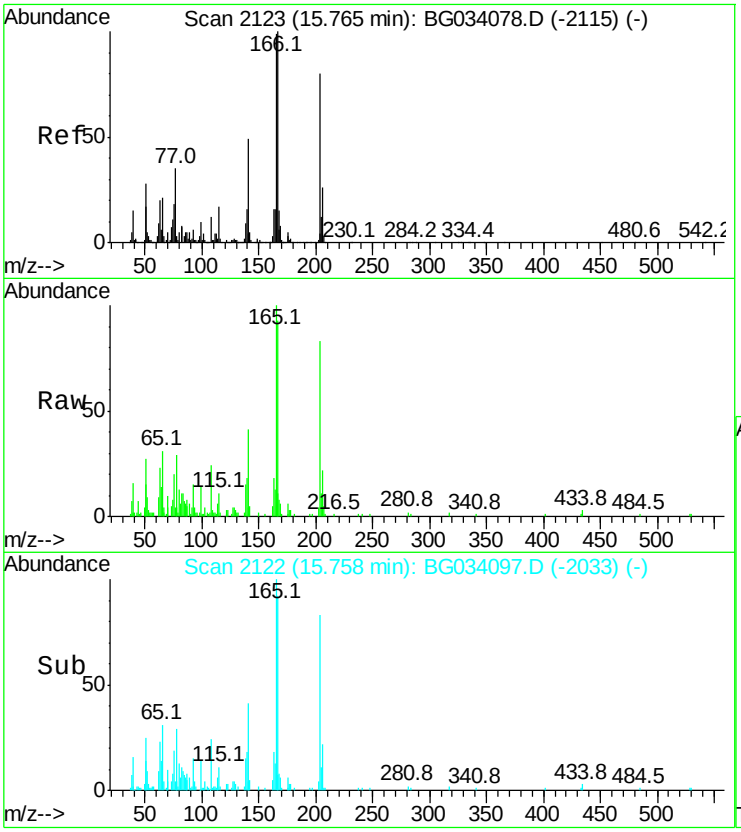


#56
2,4-Dinitrotoluene
Concen: 1.497 ng
RT: 15.06 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:165 Resp: 6220

Ion	Ratio	Lower	Upper
165	100		
63	59.7	42.0	63.0
89	85.4	66.9	100.3
182	4.4	2.6	3.8#



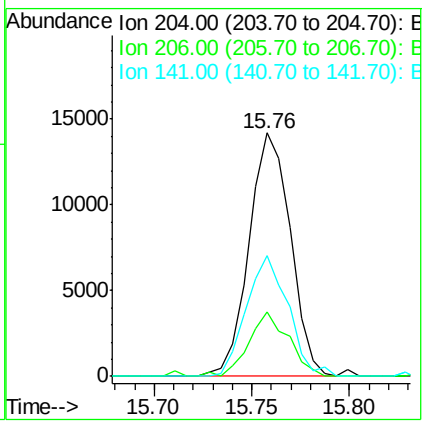


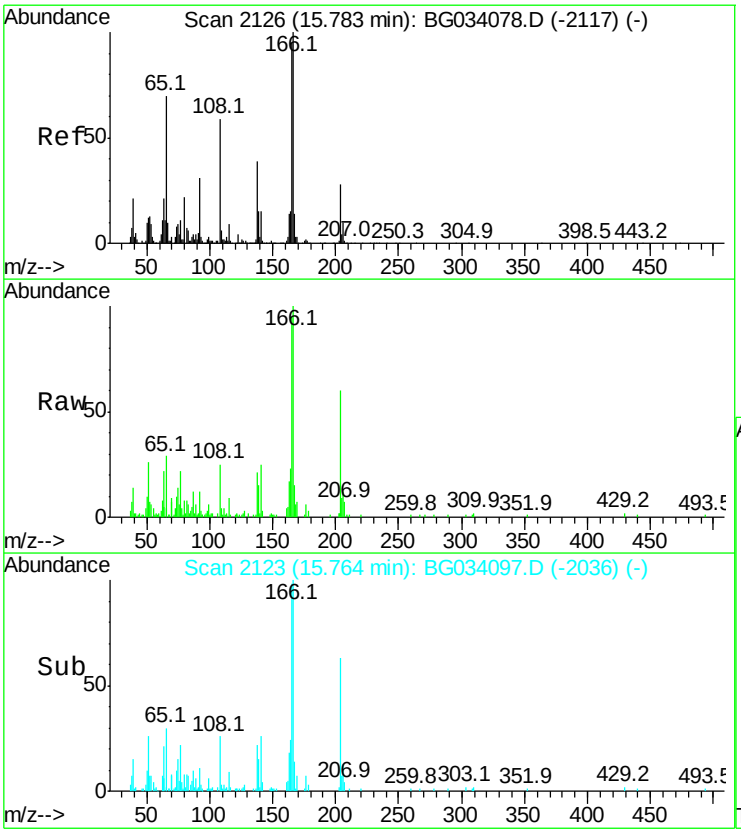
#60
4-Chlorophenyl-phenylether
Concen: 2.347 ng
RT: 15.76 min Scan# 2122
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:204 Resp: 20812

Ion	Ratio	Lower	Upper
204	100		
206	26.5	26.2	39.2
141	49.8	45.8	68.6

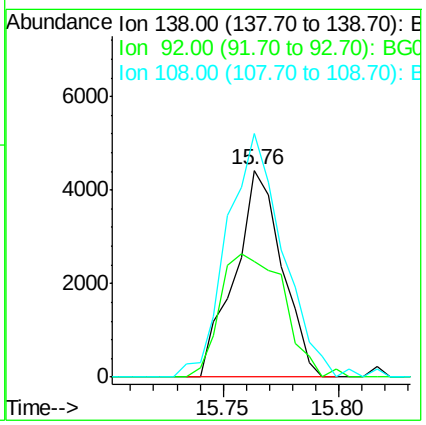


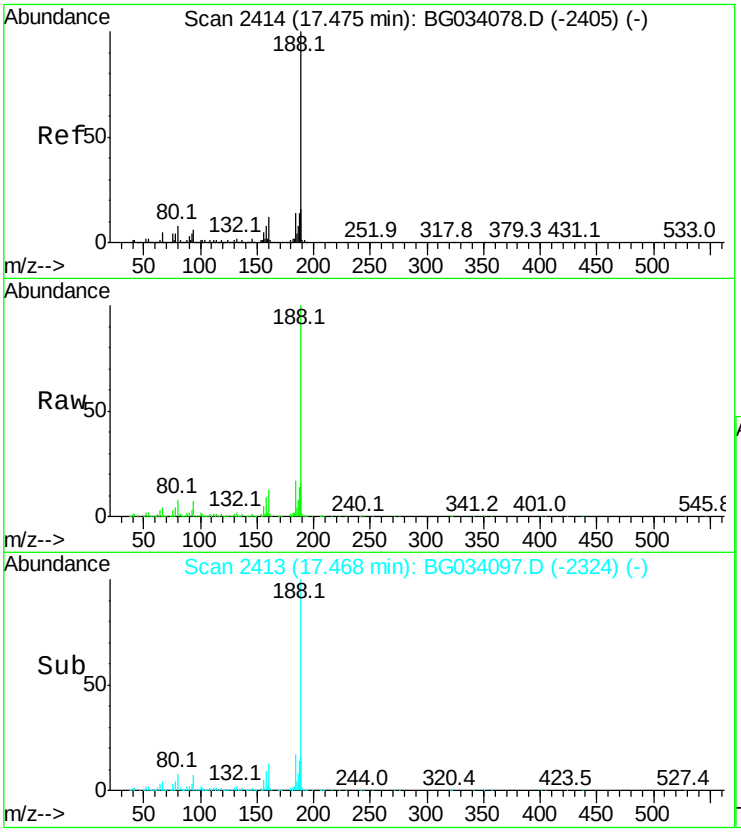


#61
4-Nitroaniline
Concen: 1.924 ng
RT: 15.76 min Scan# 2123
Delta R.T. -0.02 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:138 Resp: 6297

Ion	Ratio	Lower	Upper
138	100		
92	55.8	40.1	80.1
108	117.9	65.4	105.4#



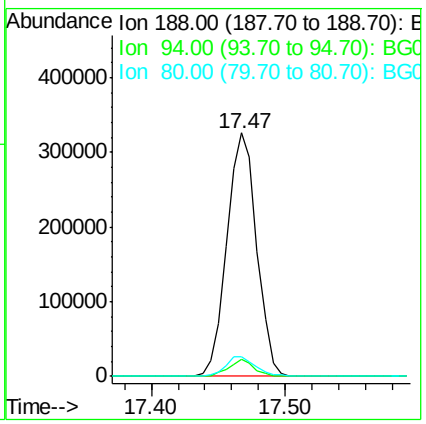


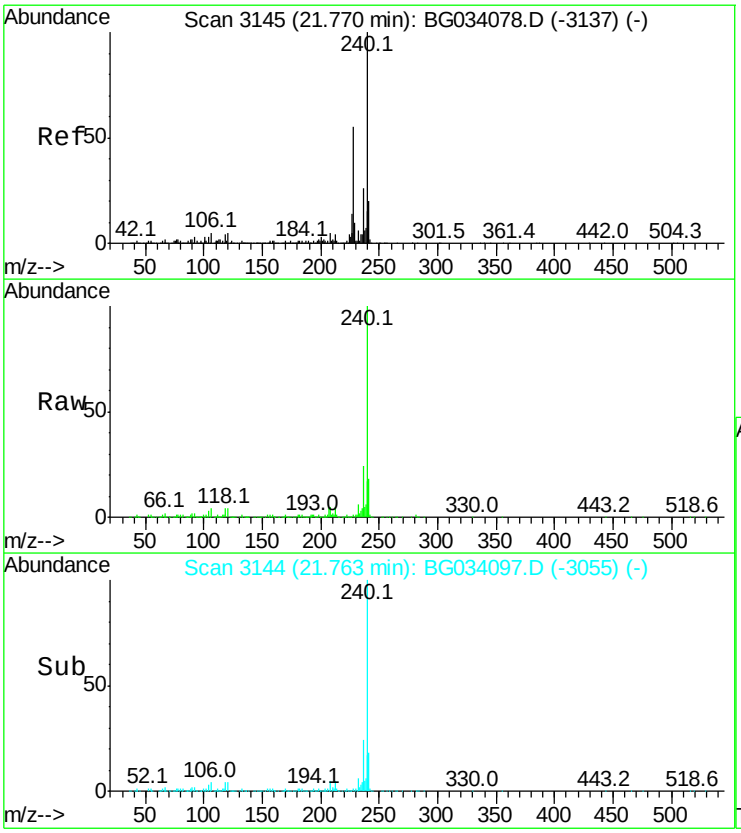
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2413
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:188 Resp: 505366

Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.9	10.3
80	7.9	7.7	11.5

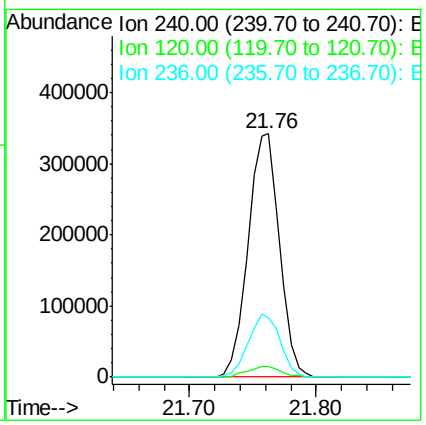


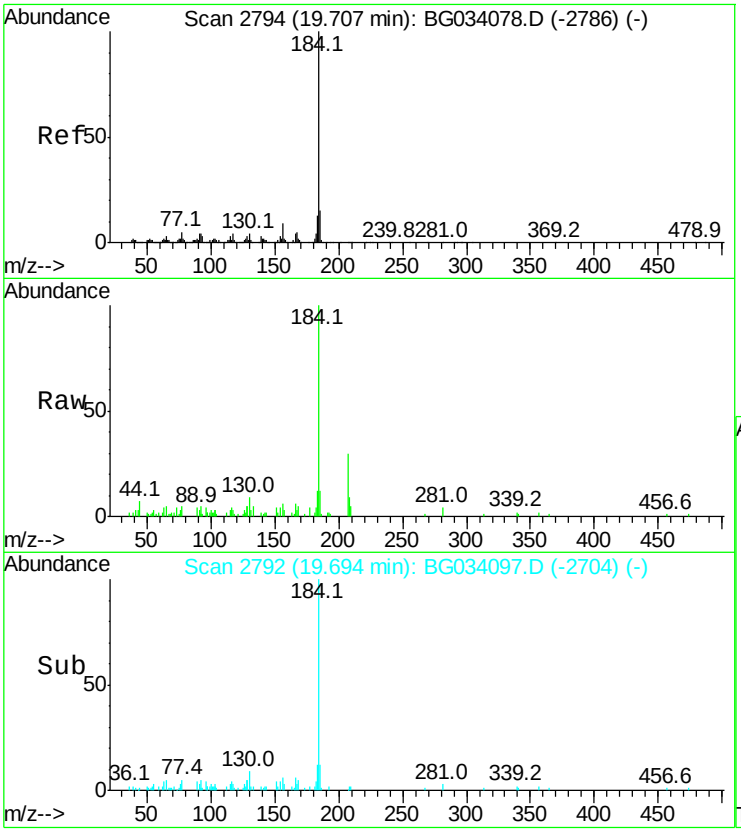


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:240 Resp: 587897

Ion	Ratio	Lower	Upper
240	100		
120	4.4	6.8	10.2#
236	24.4	20.9	31.3



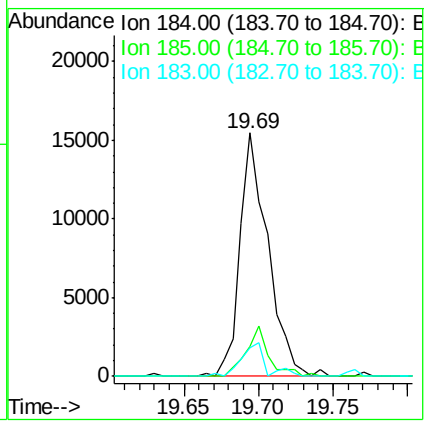


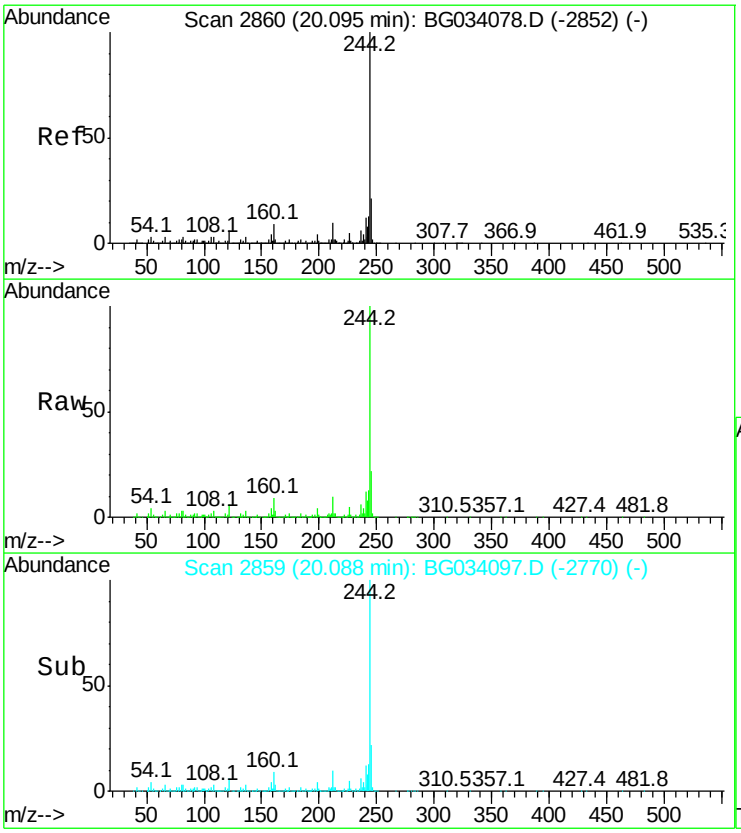
#76
Benzidine
Concen: 1.327 ng
RT: 19.69 min Scan# 2792
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:184 Resp: 20096

Ion	Ratio	Lower	Upper
184	100		
185	12.0	11.1	16.7
183	11.9	10.6	16.0

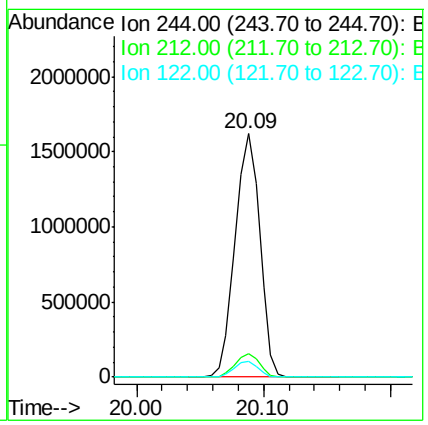


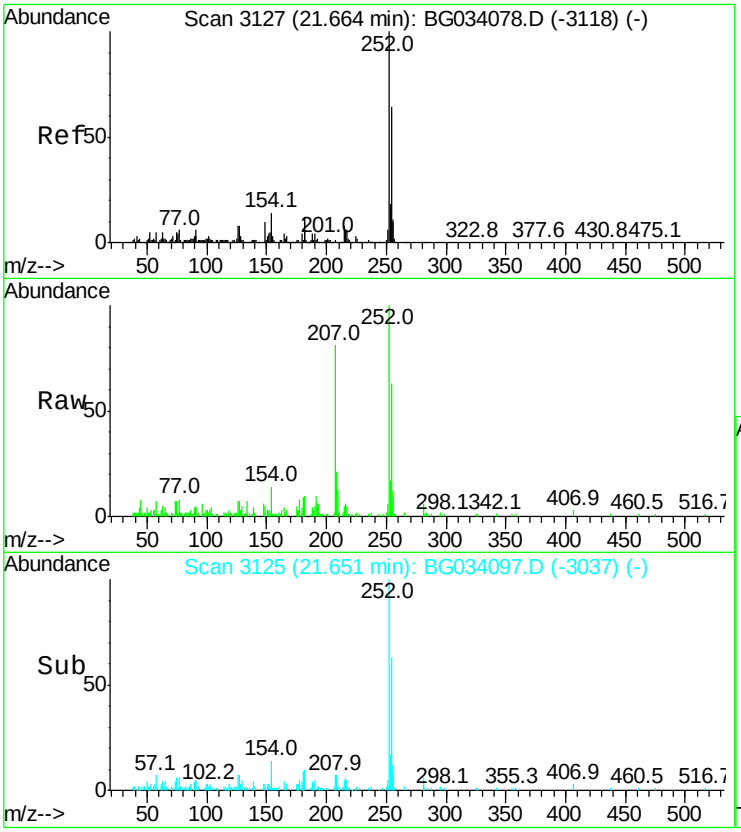


#78
Terphenyl-d14
Concen: 81.099 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:244 Resp: 2176422

Ion	Ratio	Lower	Upper
244	100		
212	9.8	5.8	8.8#
122	6.4	7.0	10.4#



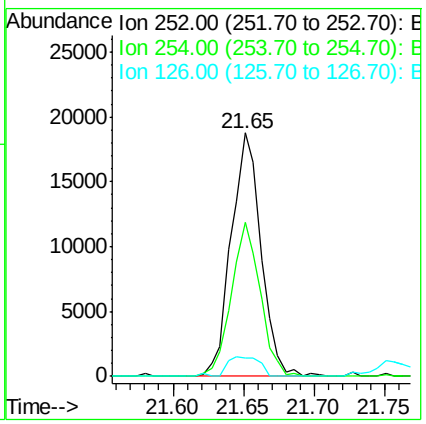


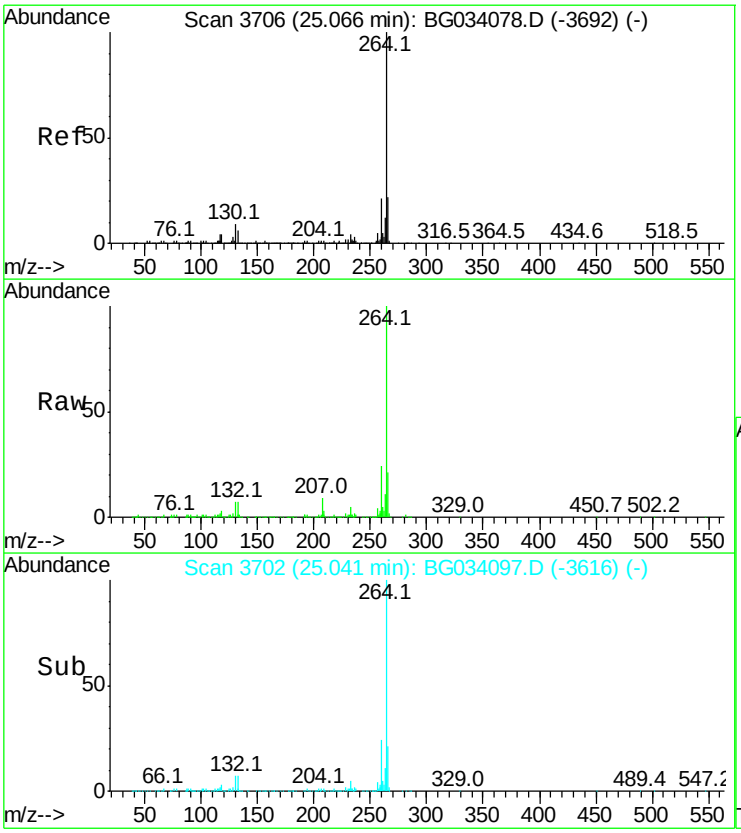
#81
3,3'-Dichlorobenzidine
Concen: 1.939 ng
RT: 21.65 min Scan# 3125
Delta R.T. -0.01 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Tgt Ion:252 Resp: 27627

Ion	Ratio	Lower	Upper
252	100		
254	63.1	50.8	76.2
126	7.5	7.4	11.2

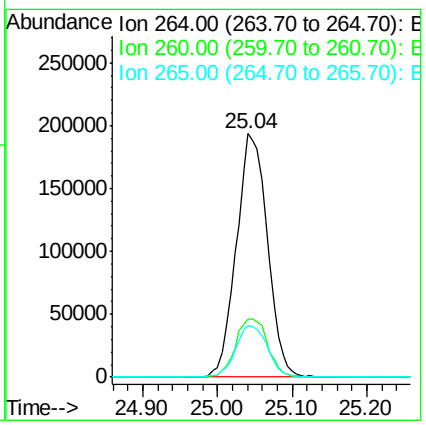




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.04 min Scan# 3702
Delta R.T. -0.02 min
Lab File: BG034097.D
Acq: 2 May 2018 2:51

Tgt Ion:264 Resp: 559641

Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.4	26.0
265	21.0	17.7	26.5



Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050118\
Data File : BG034097.D
Acq On : 2 May 2018 2:51
Operator : SJ/JU
Sample : J2133-07
Misc : 2PPM LOD
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-MDL-WATER-01-QT2-2018

Quant Time: May 02 07:29:24 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 01 19:08:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	56620	20.00	ng		0.00
21) Naphthalene-d8	10.89	136	229862	20.00	ng		0.00
38) Acenaphthene-d10	14.71	164	183786	20.00	ng		-0.01
63) Phenanthrene-d10	17.47	188	505366	20.00	ng		0.00
75) Chrysene-d12	21.76	240	587897	20.00	ng		0.00
86) Perylene-d12	25.04	264	559641	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.63	112	475940	135.81	ng		0.00
7) Phenol-d6	7.21	99	709634	130.07	ng		0.00
23) Nitrobenzene-d5	9.24	82	508452	84.87	ng		0.00
41) 2,4,6-Tribromophenol	16.20	330	352237	138.41	ng		0.00
44) 2-Fluorobiphenyl	13.34	172	1087135	86.19	ng		0.00
78) Terphenyl-d14	20.09	244	2176422	81.10	ng		0.00
Target Compounds							Qvalue
17) 2-Methylphenol	8.50	107	6113	1.688	ng	#	77
19) n-Nitroso-di-n-propylamine	8.87	70	8531	1.741	ng	#	89
20) 3+4-Methylphenols	8.83	107	10312	1.923	ng	#	76
22) Acetophenone	8.89	105	15339	1.959	ng	#	89
25) Isophorone	9.80	82	25437	2.081	ng	#	92
26) 2-Nitrophenol	9.99	139	3629	1.999	ng	#	72
27) 2,4-Dimethylphenol	10.05	122	5216	1.482	ng	#	55
28) bis(2-Chloroethoxy)methane	10.29	93	13087	2.180	ng		91
29) 2,4-Dichlorophenol	10.52	162	7440	1.769	ng		94
30) 1,2,4-Trichlorobenzene	10.75	180	10955	2.163	ng	#	82
36) 4-Chloro-3-methylphenol	12.16	107	9793	1.795	ng	#	74
42) 2,4,6-Trichlorophenol	13.13	196	8183	1.980	ng	#	88
43) 2,4,5-Trichlorophenol	13.21	196	9388	2.055	ng	#	69
56) 2,4-Dinitrotoluene	15.06	165	6220	1.497	ng	#	95
60) 4-Chlorophenyl-phenylether	15.76	204	20812	2.347	ng		90
61) 4-Nitroaniline	15.76	138	6297	1.924	ng	#	77
76) Benzidine	19.69	184	20096	1.327	ng		96
81) 3,3'-Dichlorobenzidine	21.65	252	27627	1.939	ng		99

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