Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG101918\
Data File : BG037458.D
Acq On : 19 Oct 2018 17:54
Operator : JU/SJ
Sample : J5164-07
Misc : LOD 2PPM
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 20 01:42:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	48063	20.00	ng		0.00
21) Naphthalene-d8	10.93	136	220515	20.00	ng		0.00
39) Acenaphthene-d10	14.74	164	146543	20.00	ng		0.00
64) Phenanthrene-d10	17.48	188	350287	20.00	ng		0.00
76) Chrysene-d12	21.77	240	329136	20.00	ng		0.00
87) Perylene-d12	25.10	264	312017	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	441410	153.54	ng		0.00
7) Phenol-d6	7.25	99	637319	146.61	ng		0.00
23) Nitrobenzene-d5	9.29	82	365669	92.89	ng		0.00
42) 2,4,6-Tribromophenol	16.23	330	240274	150.33	ng		0.00
45) 2-Fluorobiphenyl	13.36	172	895881	92.19	ng		0.00
79) Terphenyl-d14	20.09	244	1342982	87.19	ng		0.00
Target Compounds							Qvalue
17) 2-Methylphenol	8.54	107	6255	2.063	ng		86
19) n-Nitroso-di-n-propylamine	8.91	70	5979	1.997	ng	#	76
20) 3+4-Methylphenols	8.86	107	9032	2.083	ng		92
22) Acetophenone	8.94	105	12033	2.176	ng	#	94
25) Isophorone	9.84	82	16459	2.288	ng		99
26) 2-Nitrophenol	10.04	139	3094	1.679	ng	#	85
27) 2,4-Dimethylphenol	10.08	122	7133	2.169	ng		95
28) bis(2-Chloroethoxy)methane	10.32	93	10635	2.257	ng		94
29) 2,4-Dichlorophenol	10.57	162	6509	1.777	ng		94
30) 1,2,4-Trichlorobenzene	10.78	180	8660	2.174	ng		98
36) 4-Chloro-3-methylphenol	12.19	107	7719	1.869	ng		98
43) 2,4,6-Trichlorophenol	13.18	196	5508	1.744	ng		95
44) 2,4,5-Trichlorophenol	13.24	196	6252	1.818	ng	#	85
57) 2,4-Dinitrotoluene	15.10	165	5605	1.703	ng	#	96
61) 4-Chlorophenyl-phenylether	15.77	204	13433	2.184	ng		97
62) 4-Nitroaniline	15.81	138	4260	1.540	ng		92
77) Benzidine	19.72	184	4869	0.435	ng		94
82) 3,3'-Dichlorobenzidine	21.67	252	9534	1.263	ng	#	89

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

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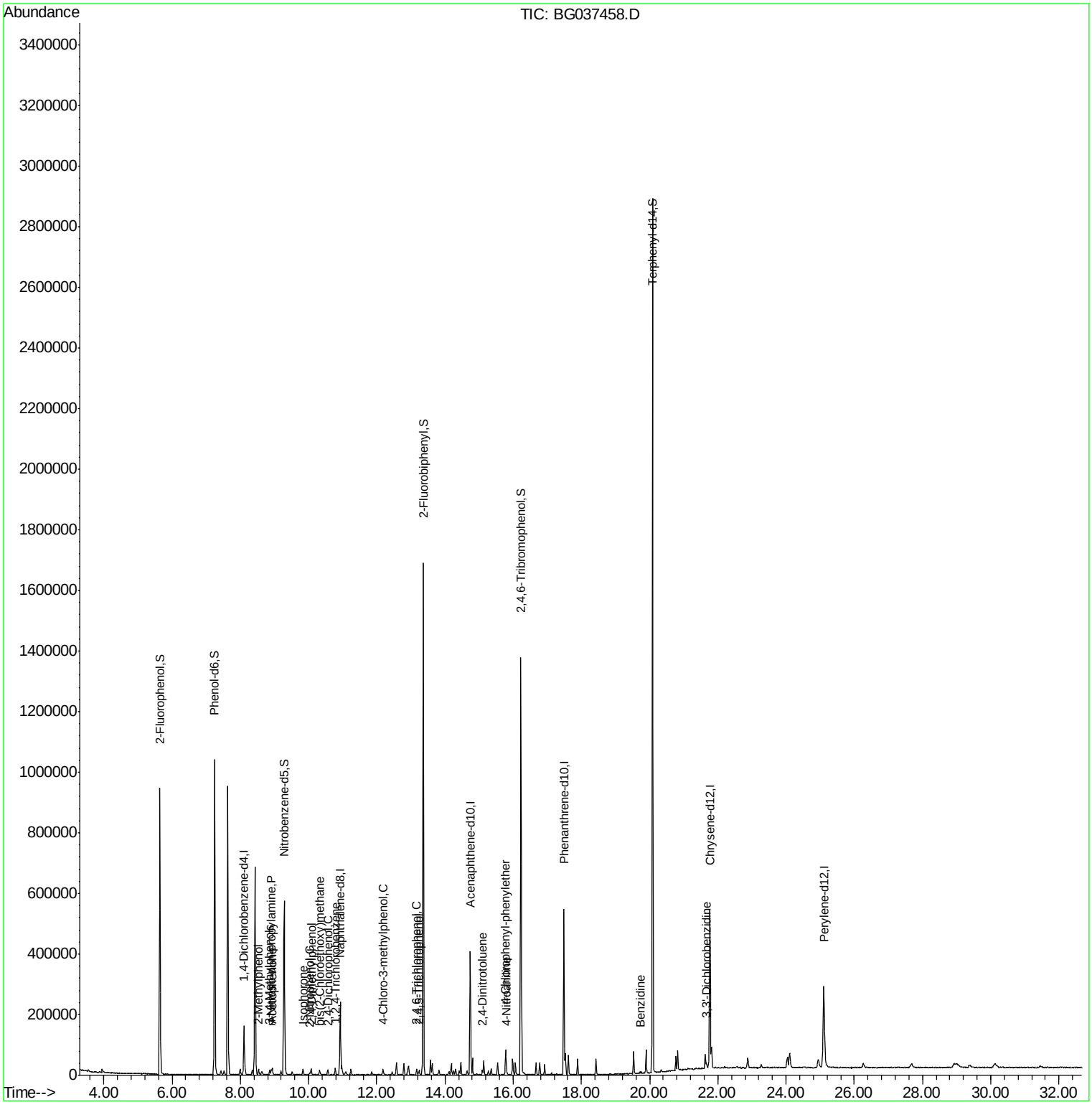
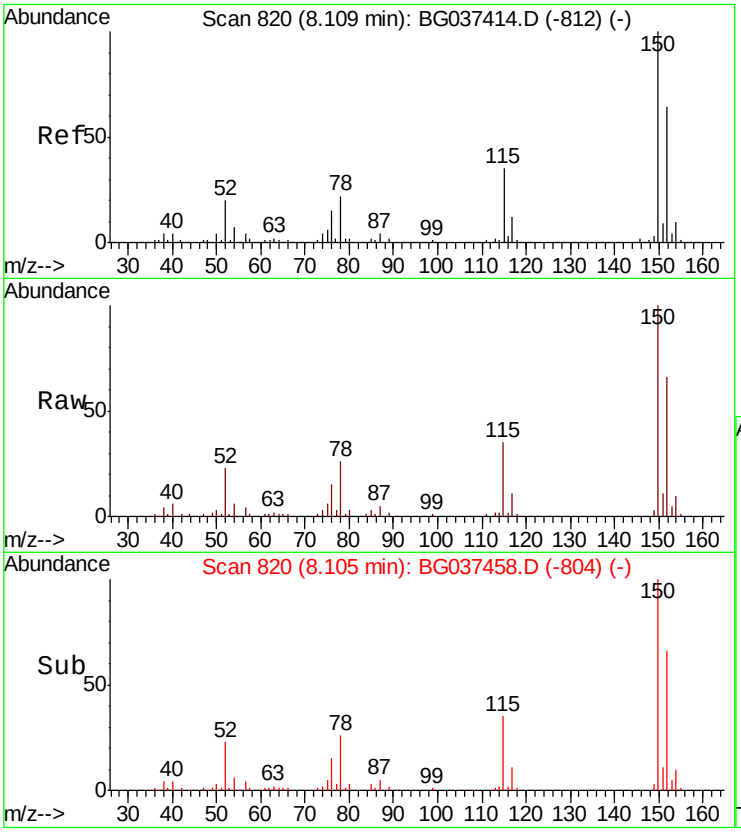


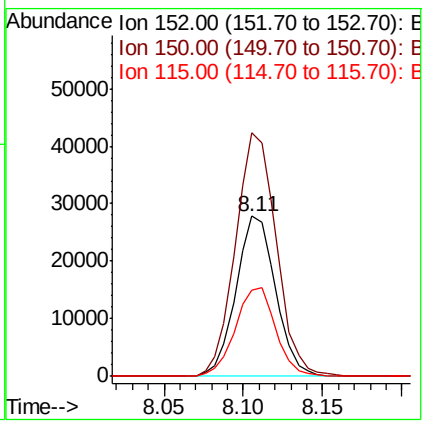


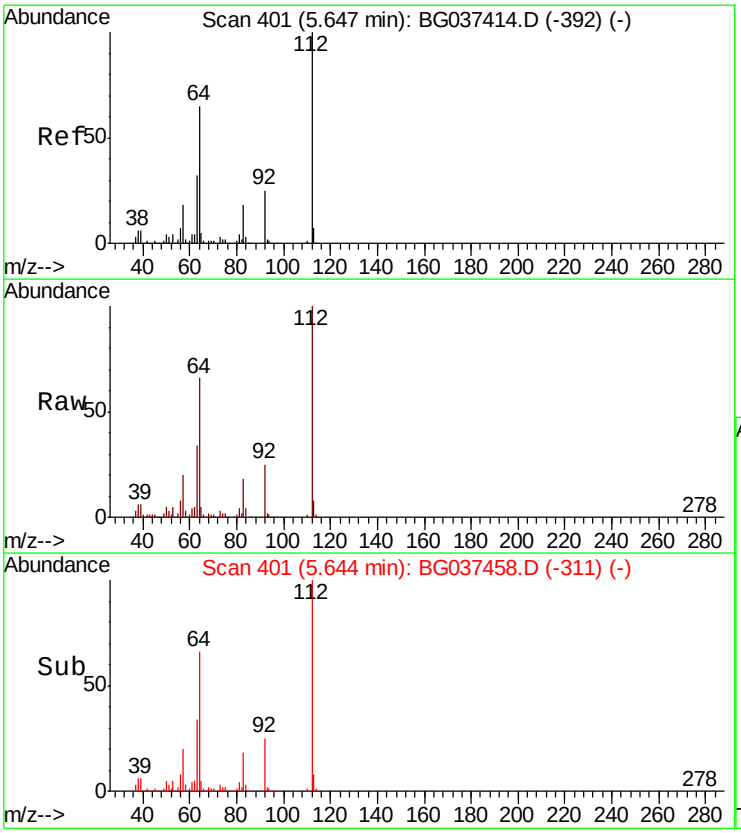
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:152 Resp: 48063

Ion	Ratio	Lower	Upper
152	100		
150	152.4	126.0	189.0
115	53.9	45.5	68.3

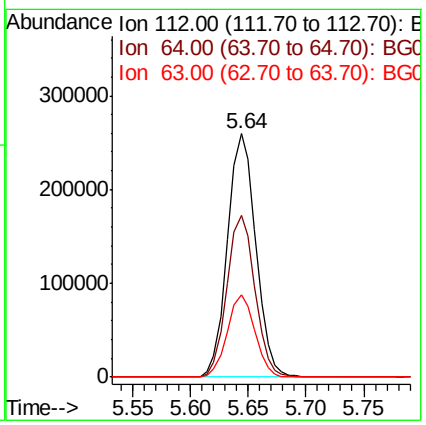


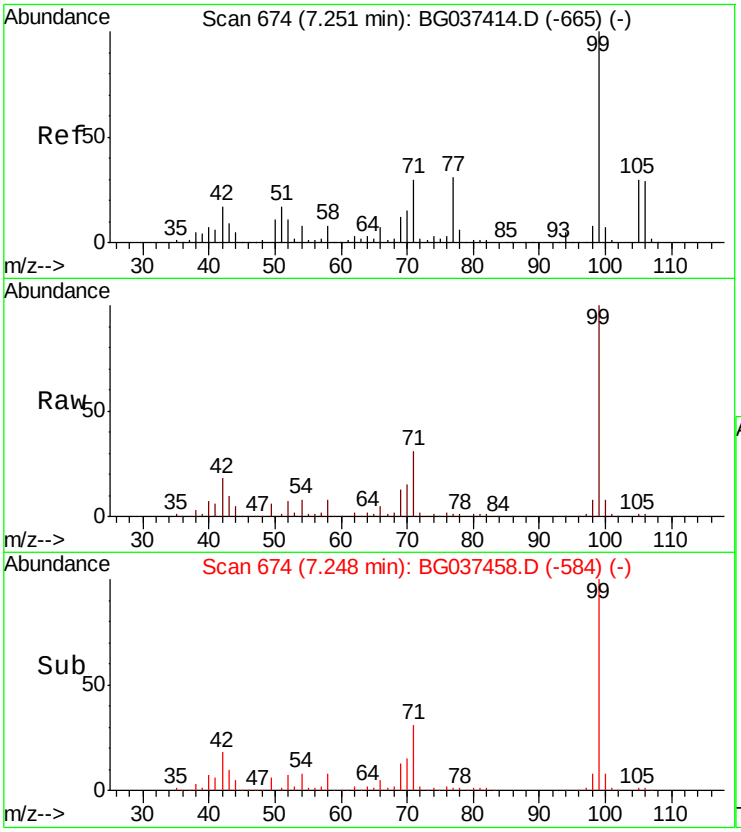


#5
2-Fluorophenol
Concen: 153.543 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:112 Resp: 441410

Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.1	79.7
63	33.6	27.3	40.9



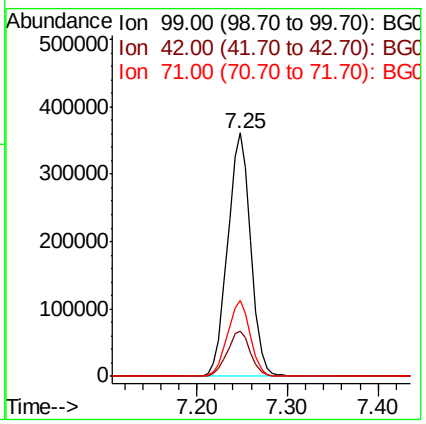


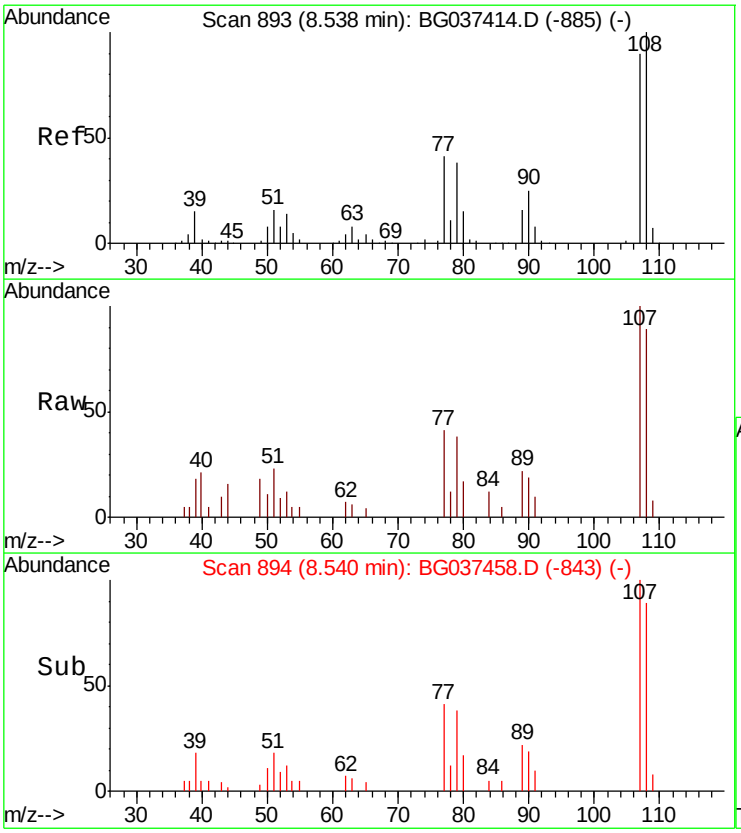
#7
Phenol-d6
Concen: 146.608 ng
RT: 7.25 min Scan# 674
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 99 Resp: 637319

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.4
71	31.2	25.5	38.3

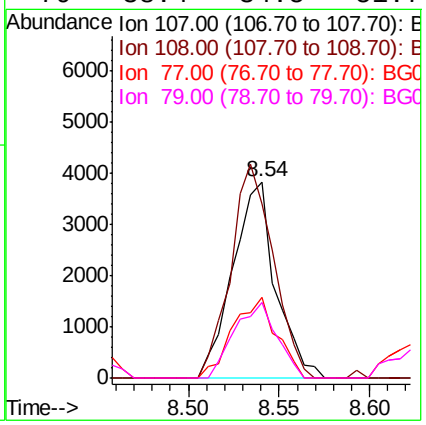


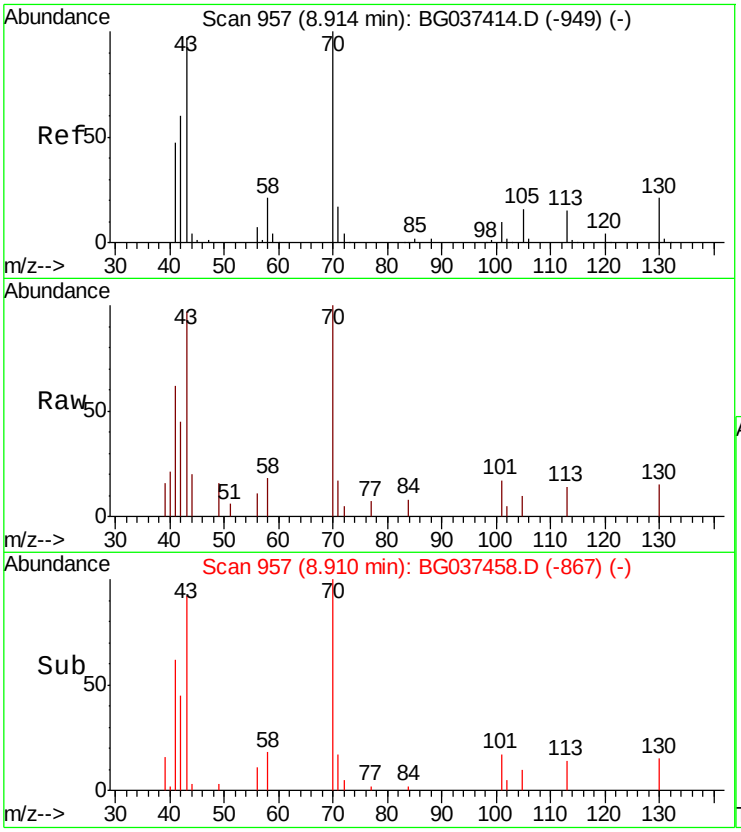


#17
2-Methylphenol
Concen: 2.063 ng
RT: 8.54 min Scan# 894
Delta R.T. 0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:107 Resp: 6255

Ion	Ratio	Lower	Upper
107	100		
108	89.0	87.9	131.9
77	40.8	35.1	52.7
79	38.4	34.5	51.7



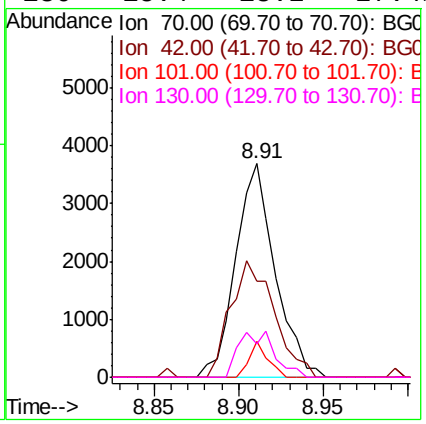


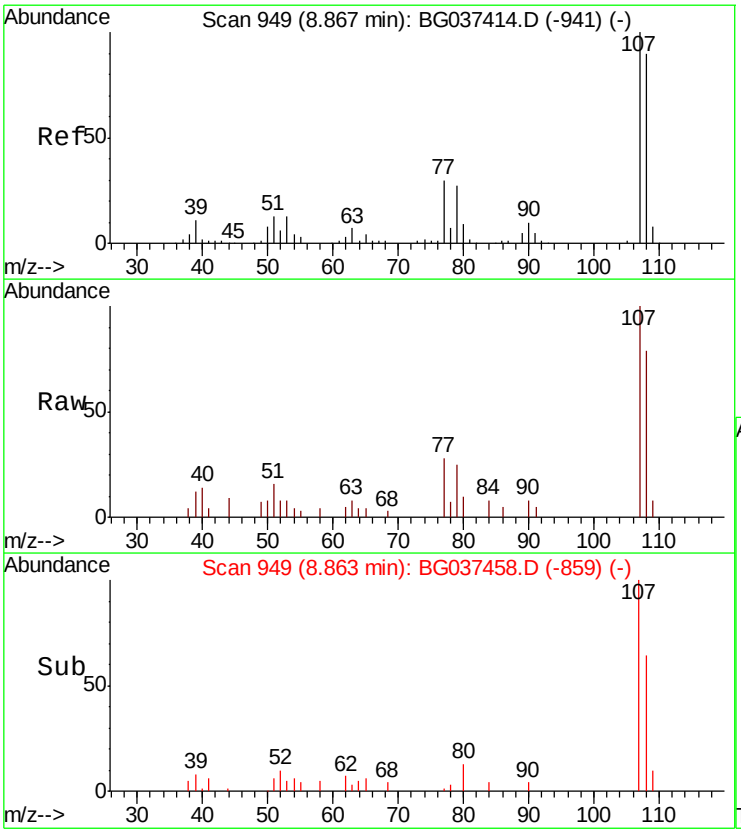
#19
n-Nitroso-di-n-propylamine
Concen: 1.997 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 70 Resp: 5979

Ion	Ratio	Lower	Upper
70	100		
42	45.1	53.9	80.9#
101	16.8	8.2	12.2#
130	15.4	18.2	27.4#

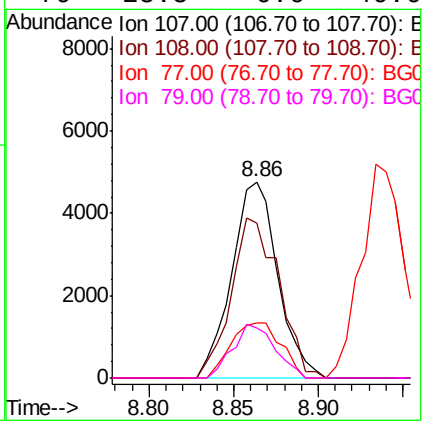


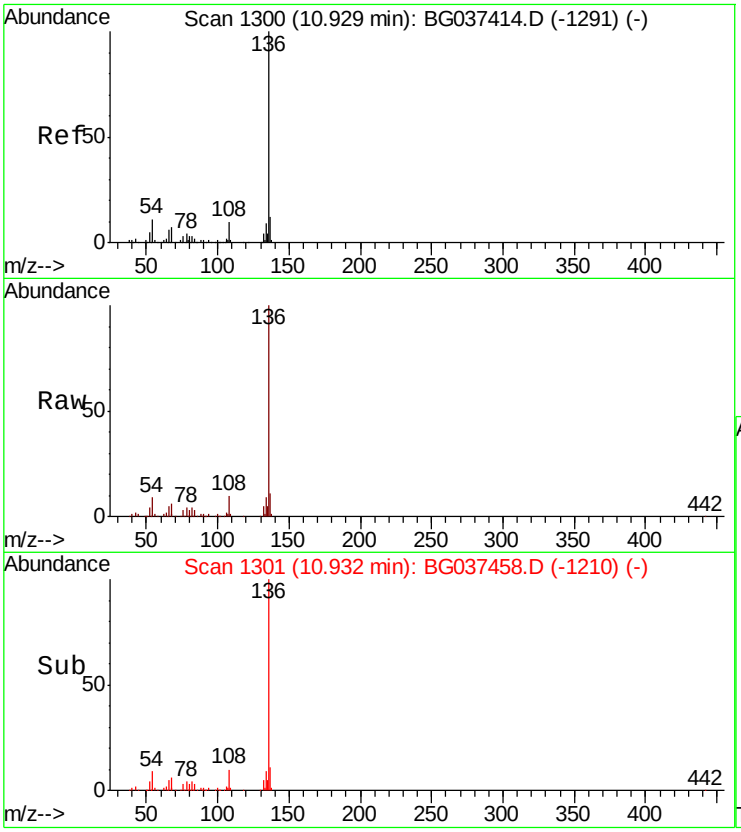


#20
3+4-Methylphenols
Concen: 2.083 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:107 Resp: 9032

Ion	Ratio	Lower	Upper
107	100		
108	79.2	69.9	109.9
77	28.3	11.2	51.2
79	25.5	6.6	46.6



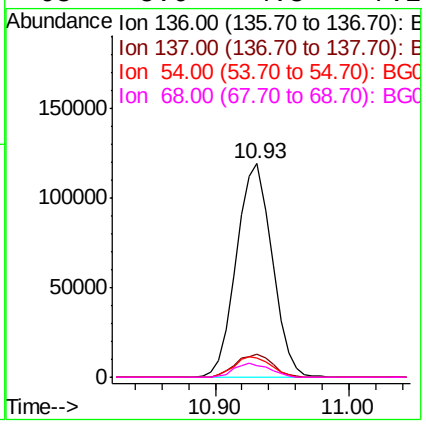


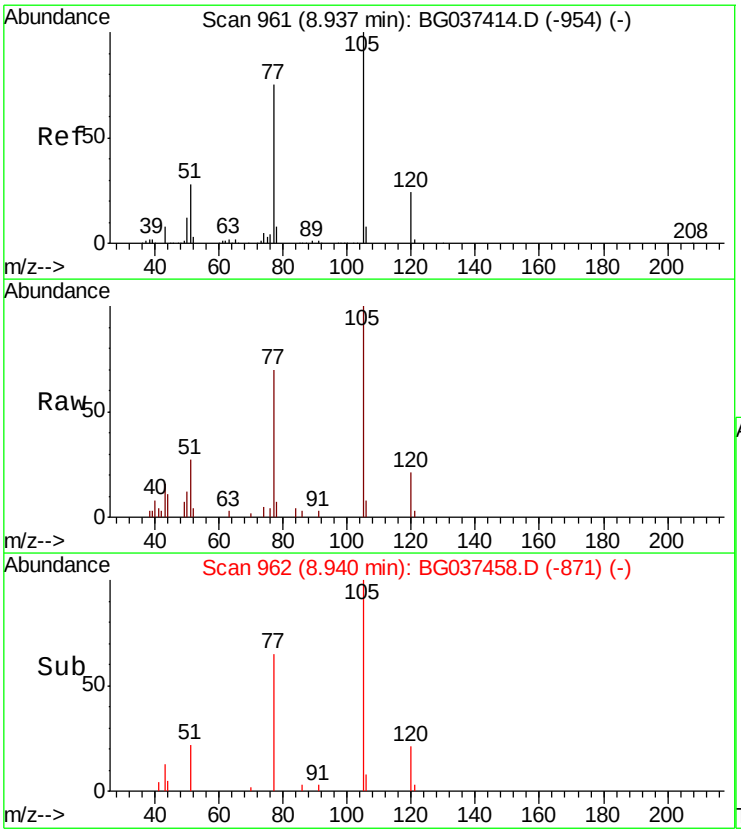
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:136 Resp: 220515

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.6	14.4
54	8.9	7.9	11.9
68	5.6	4.8	7.2

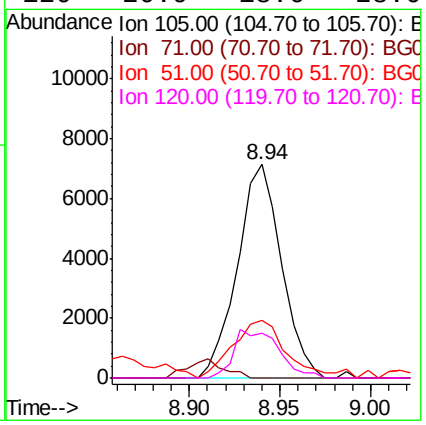


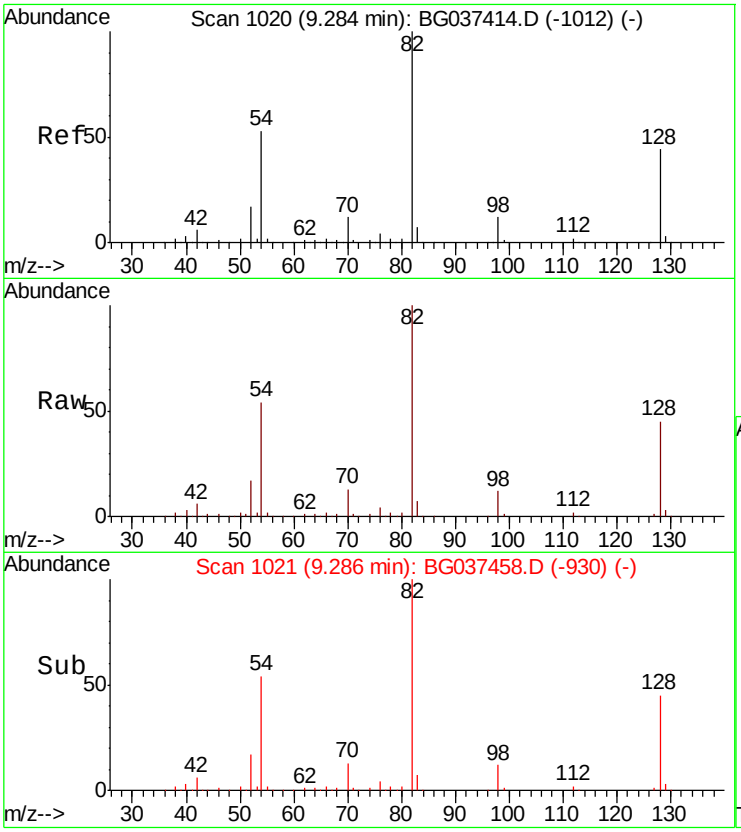


#22
Acetophenone
Concen: 2.176 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:105 Resp: 12033

Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	27.3	25.0	37.6
120	20.9	18.6	28.0



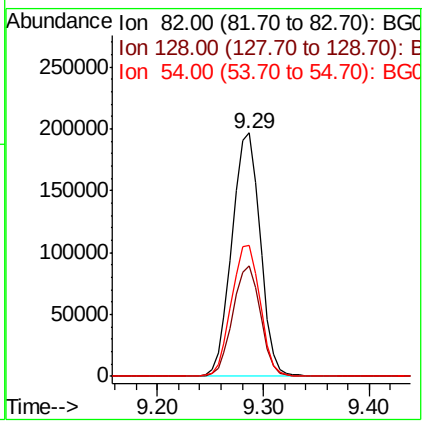


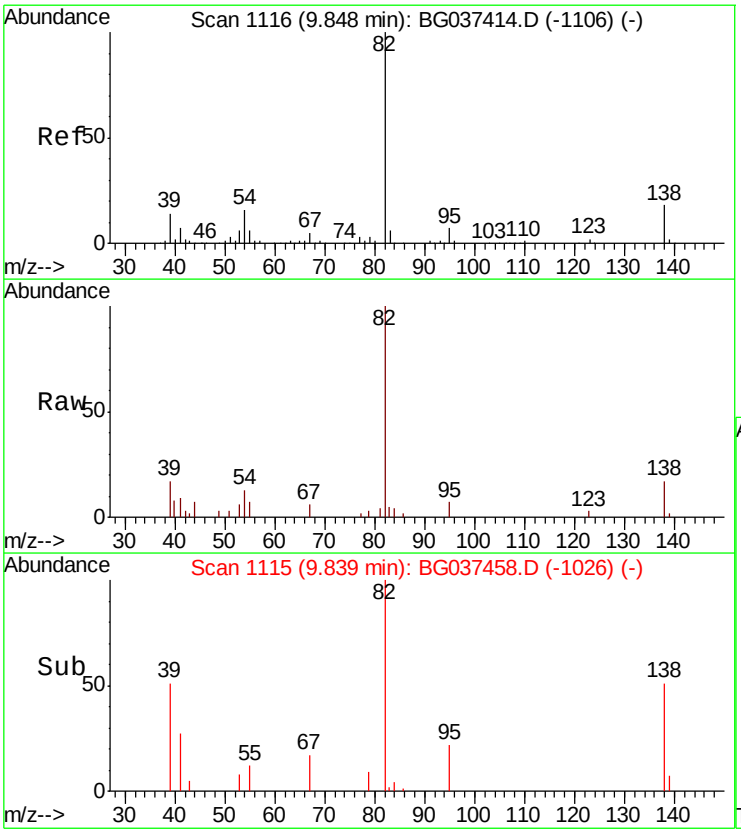
#23
Nitrobenzene-d5
Concen: 92.893 ng
RT: 9.29 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 82 Resp: 365669

Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.6	51.8
54	53.9	45.3	67.9

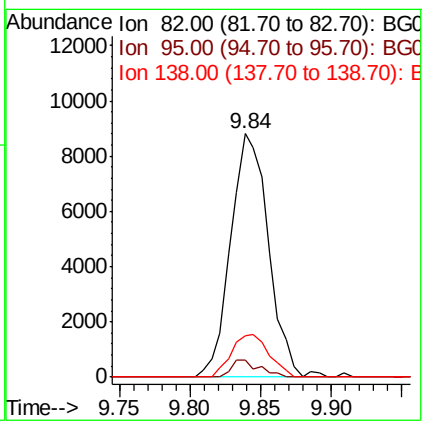


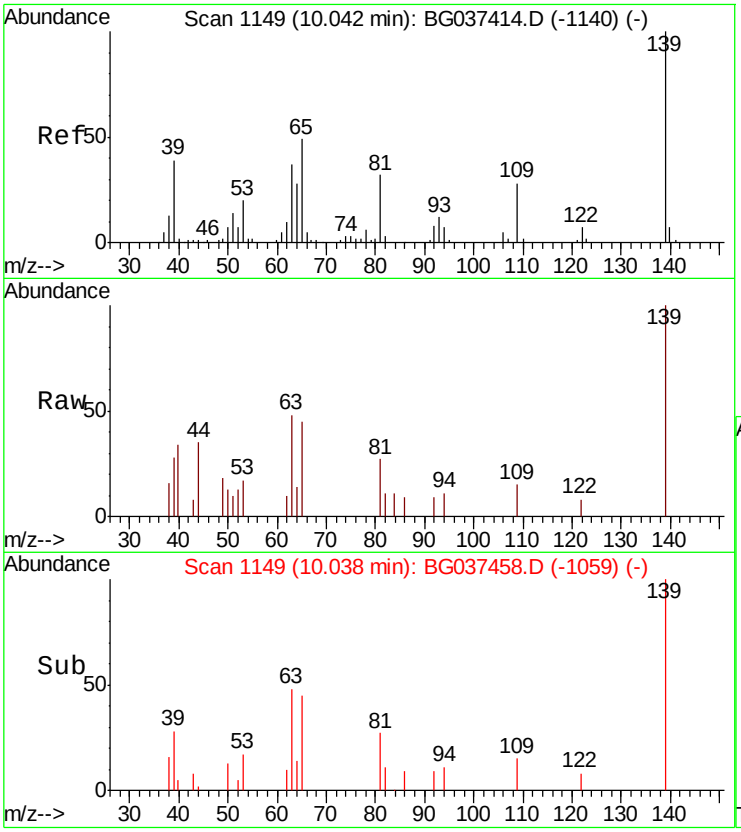


#25
Isophorone
Concen: 2.288 ng
RT: 9.84 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion: 82 Resp: 16459

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.3	7.9
138	16.8	13.3	19.9



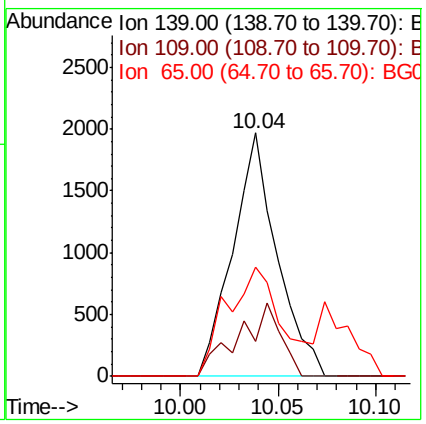


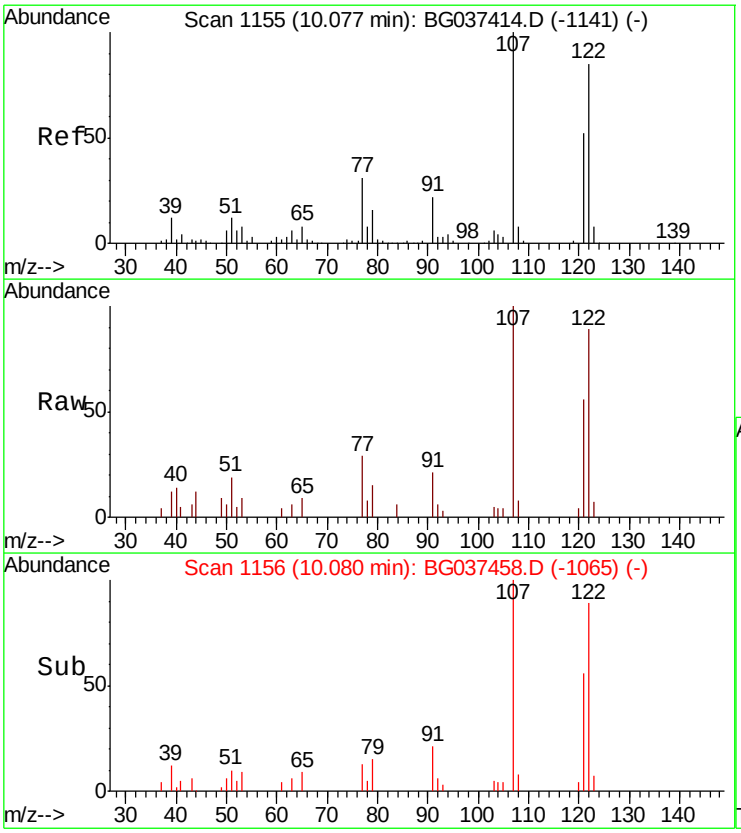
#26
2-Nitrophenol
Concen: 1.679 ng
RT: 10.04 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:139 Resp: 3094

Ion	Ratio	Lower	Upper
139	100		
109	14.5	23.3	34.9#
65	44.8	39.8	59.8

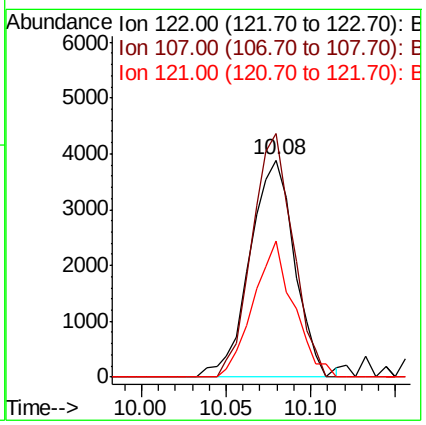


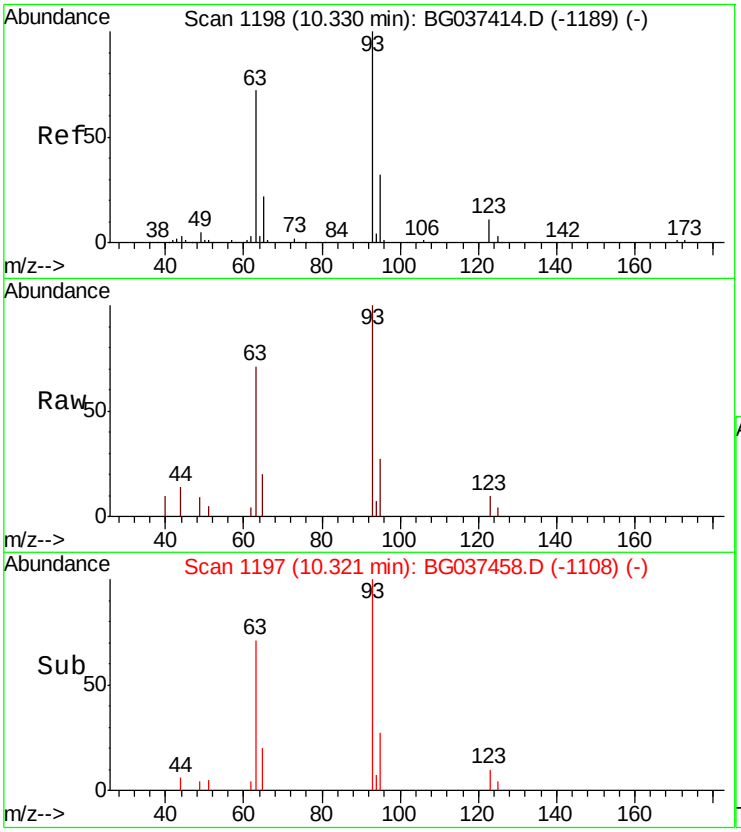


#27
2,4-Dimethylphenol
Concen: 2.169 ng
RT: 10.08 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:122 Resp: 7133

Ion	Ratio	Lower	Upper
122	100		
107	112.2	94.2	141.2
121	62.6	47.3	70.9



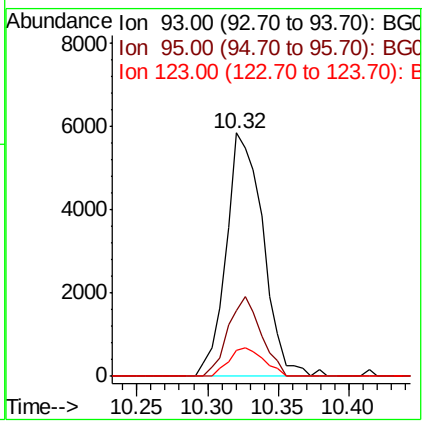


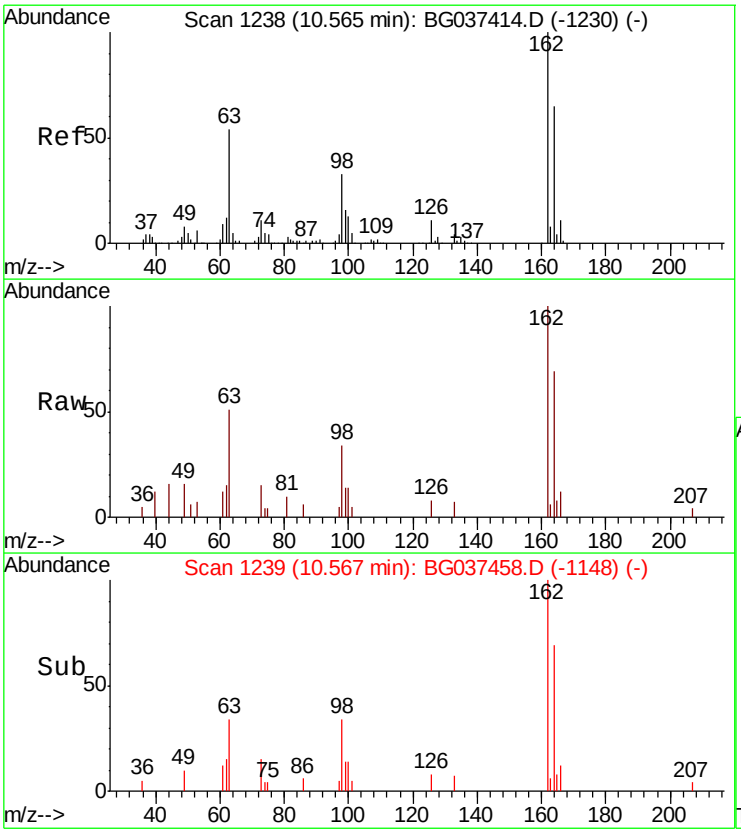
#28
bis(2-Chloroethoxy)methane
Concen: 2.257 ng
RT: 10.32 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 93 Resp: 10635

Ion	Ratio	Lower	Upper
93	100		
95	27.1	24.6	37.0
123	10.5	9.1	13.7

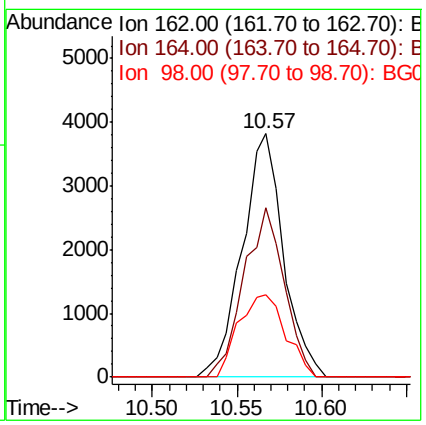


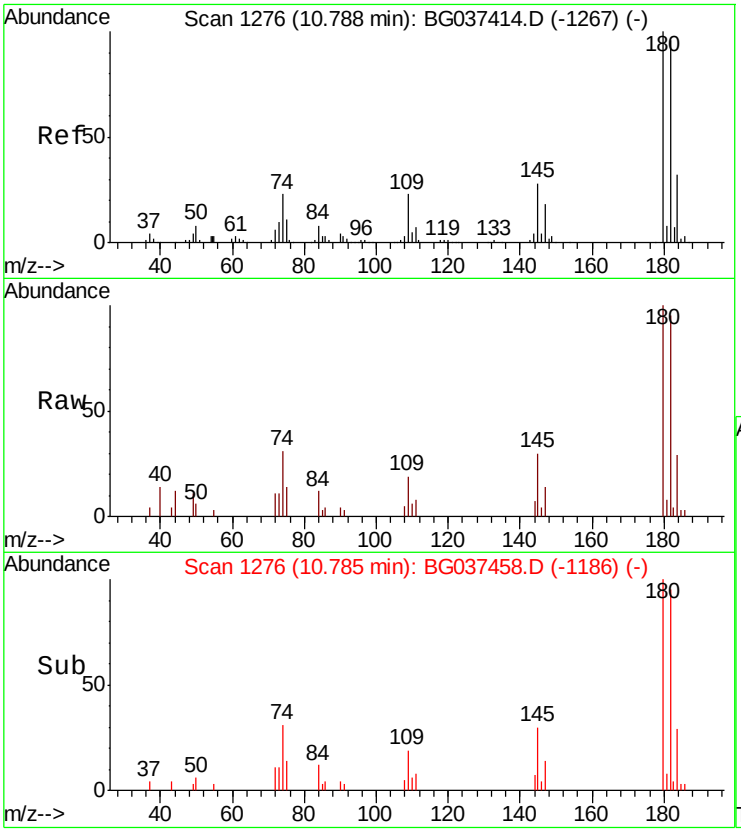


#29
2,4-Dichlorophenol
Concen: 1.777 ng
RT: 10.57 min Scan# 1239
Delta R.T. 0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:162 Resp: 6509

Ion	Ratio	Lower	Upper
162	100		
164	69.3	43.2	83.2
98	33.9	16.0	56.0



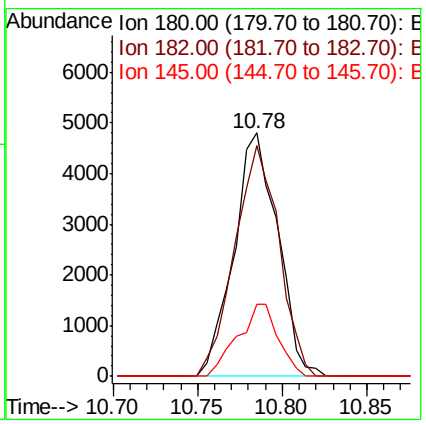


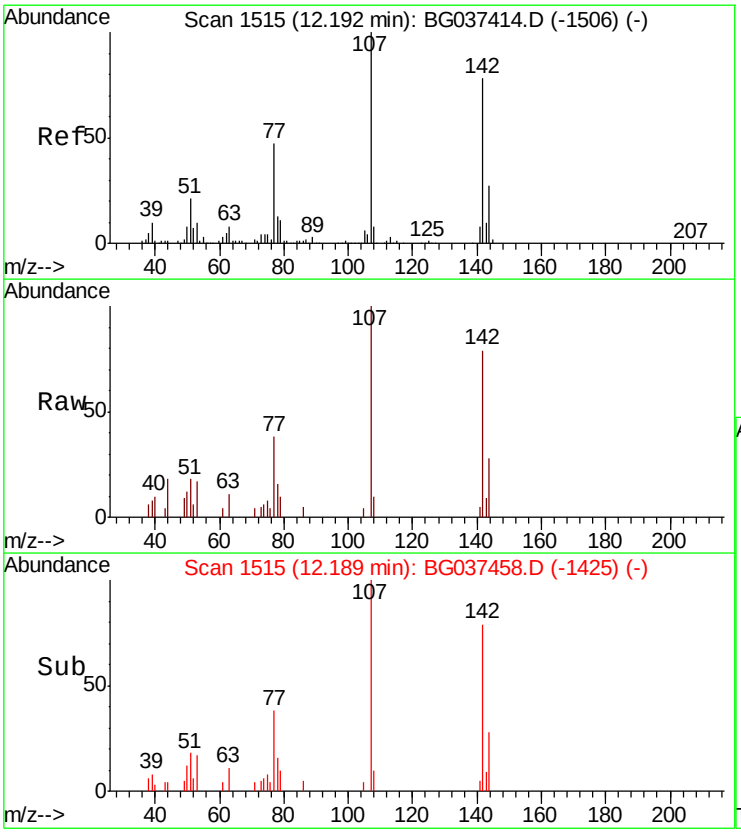
#30
1,2,4-Trichlorobenzene
Concen: 2.174 ng
RT: 10.78 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:180 Resp: 8660

Ion	Ratio	Lower	Upper
180	100		
182	99.3	77.7	116.5
145	29.6	23.3	34.9

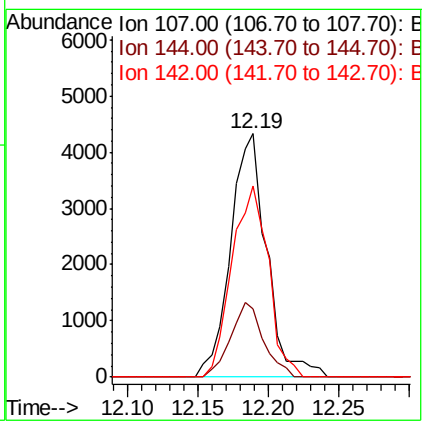


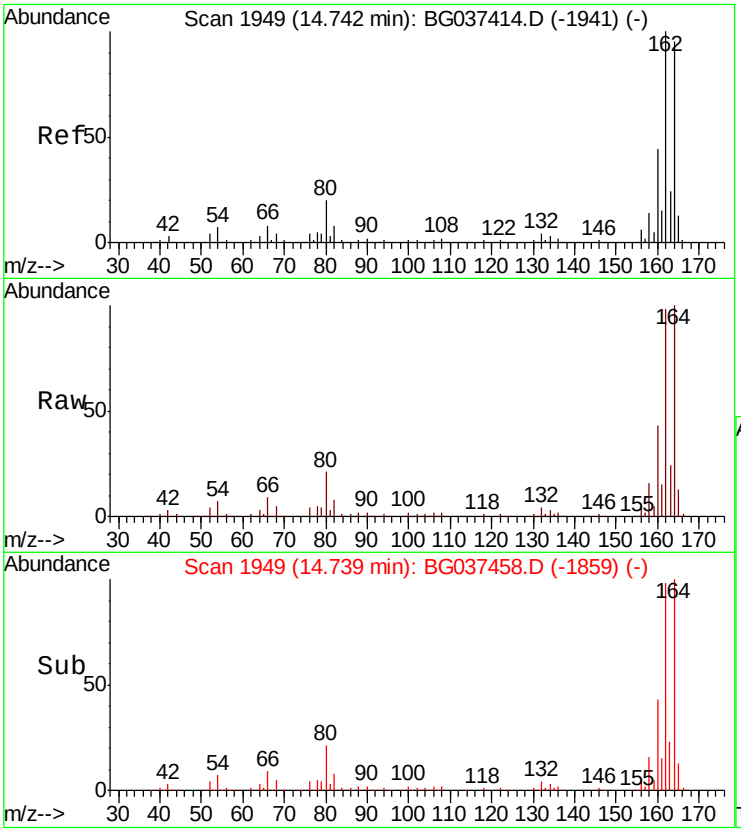


#36
4-Chloro-3-methylphenol
Concen: 1.869 ng
RT: 12.19 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:107 Resp: 7719

Ion	Ratio	Lower	Upper
107	100		
144	28.0	20.7	31.1
142	78.8	64.4	96.6



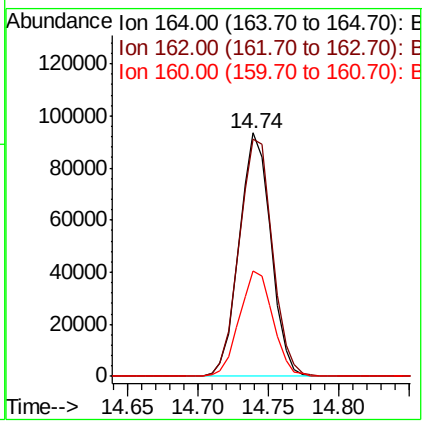


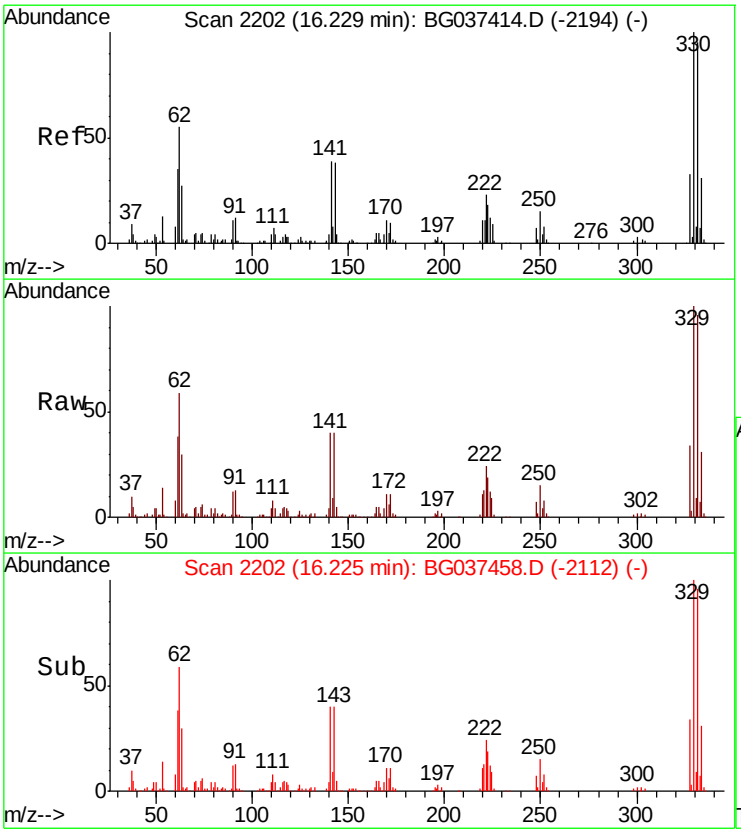
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:164 Resp: 146543

Ion	Ratio	Lower	Upper
164	100		
162	97.7	81.3	121.9
160	43.5	36.3	54.5

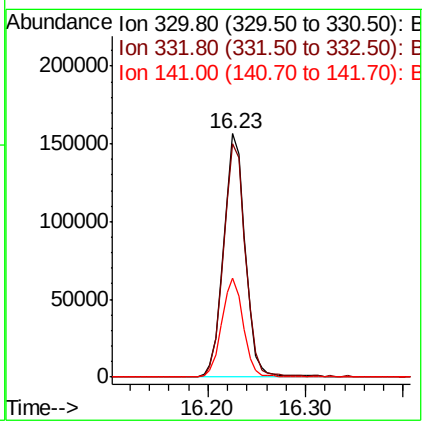


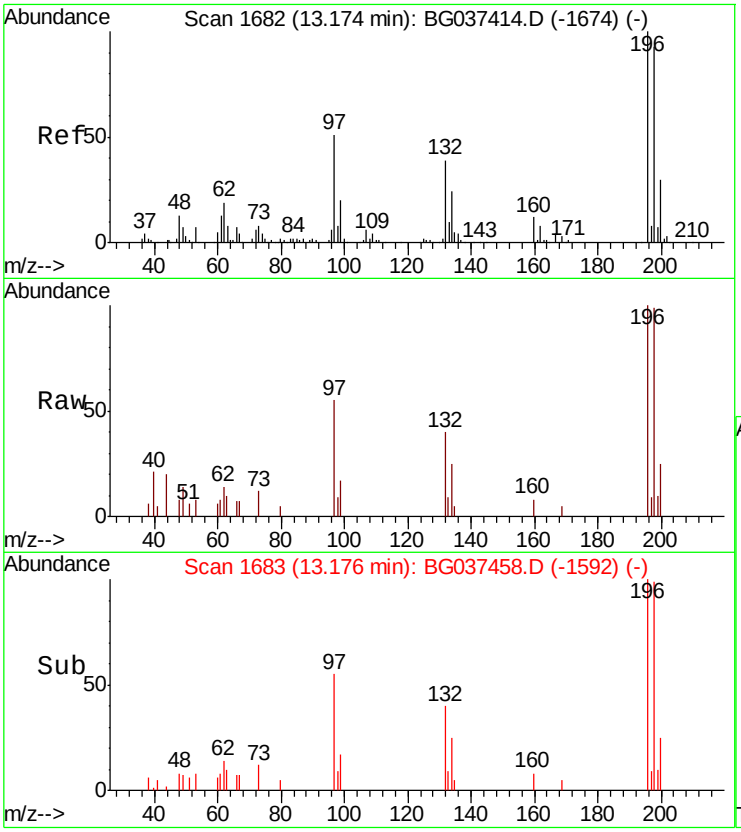


#42
2,4,6-Tribromophenol
Concen: 150.328 ng
RT: 16.23 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:330 Resp: 240274

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.4	117.6
141	40.6	32.2	48.2



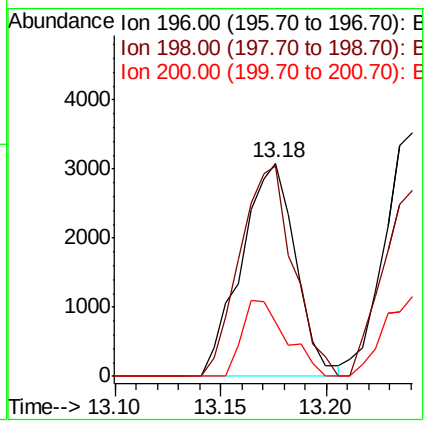


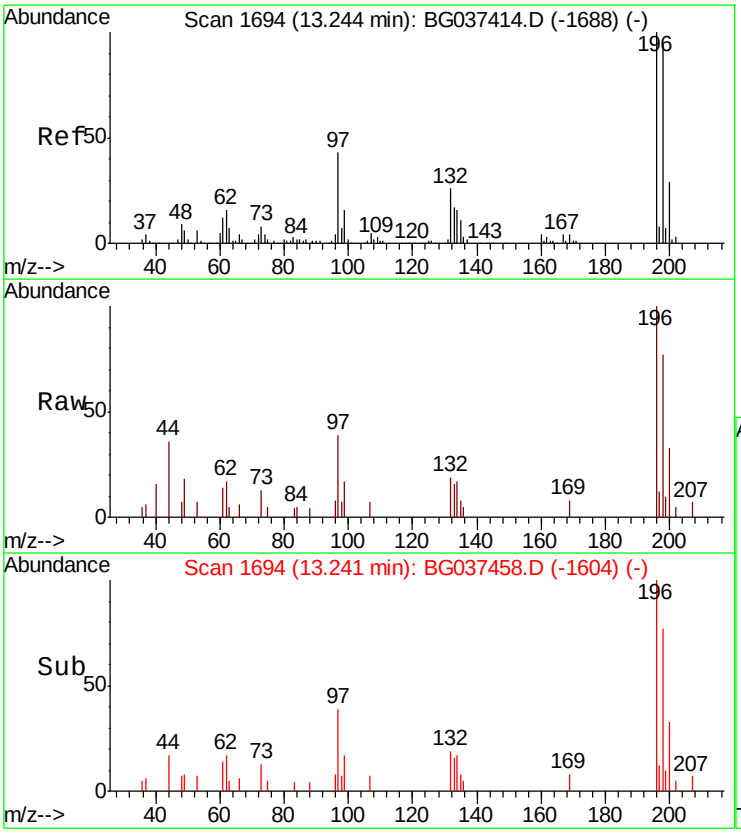
#43
2,4,6-Trichlorophenol
Concen: 1.744 ng
RT: 13.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:196 Resp: 5508

Ion	Ratio	Lower	Upper
196	100		
198	98.6	76.4	114.6
200	25.3	24.9	37.3

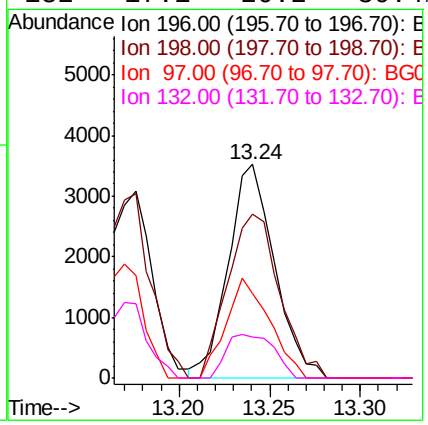


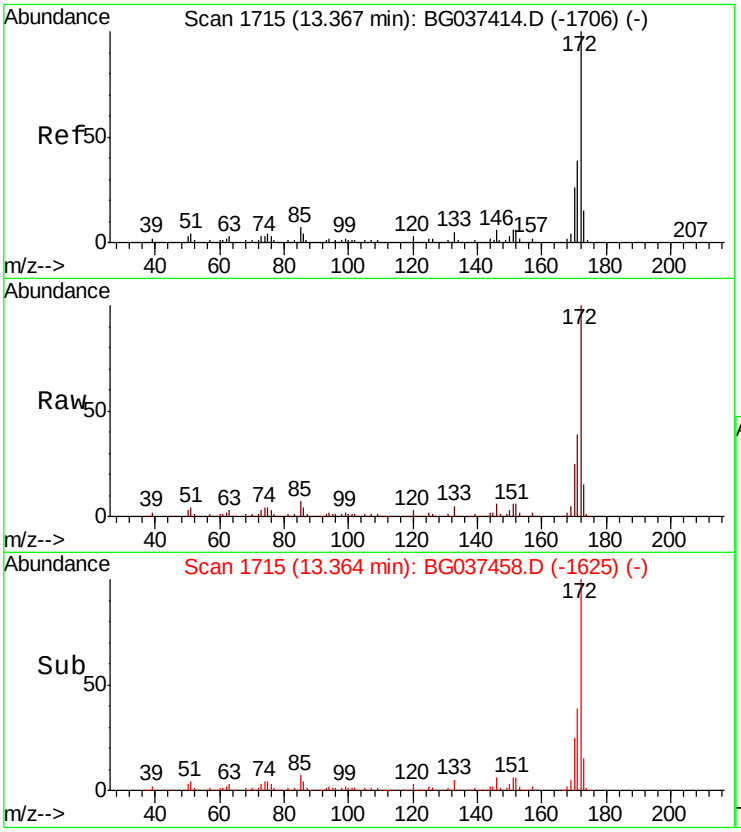


#44
2,4,5-Trichlorophenol
Concen: 1.818 ng
RT: 13.24 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:196 Resp: 6252

Ion	Ratio	Lower	Upper
196	100		
198	77.7	74.2	111.2
97	35.1	34.1	51.1
132	17.1	20.2	30.4#



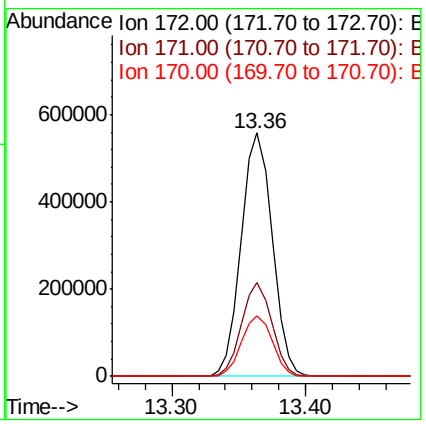


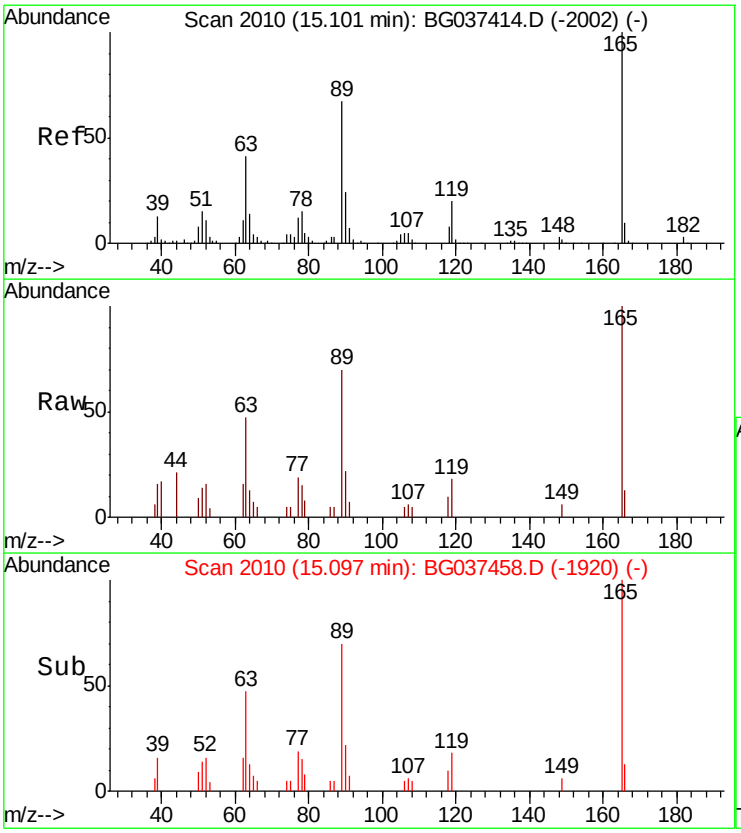
#45
2-Fluorobiphenyl
Concen: 92.187 ng
RT: 13.36 min Scan# 1715
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:172 Resp: 895881

Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.0	46.4
170	24.9	20.2	30.2

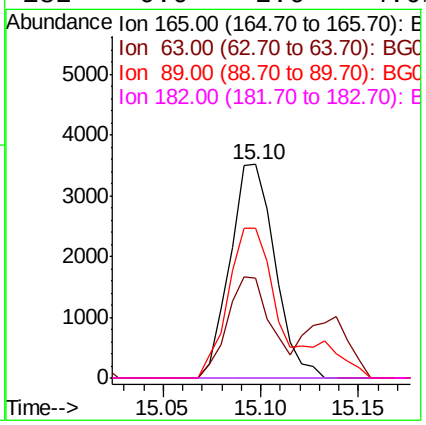


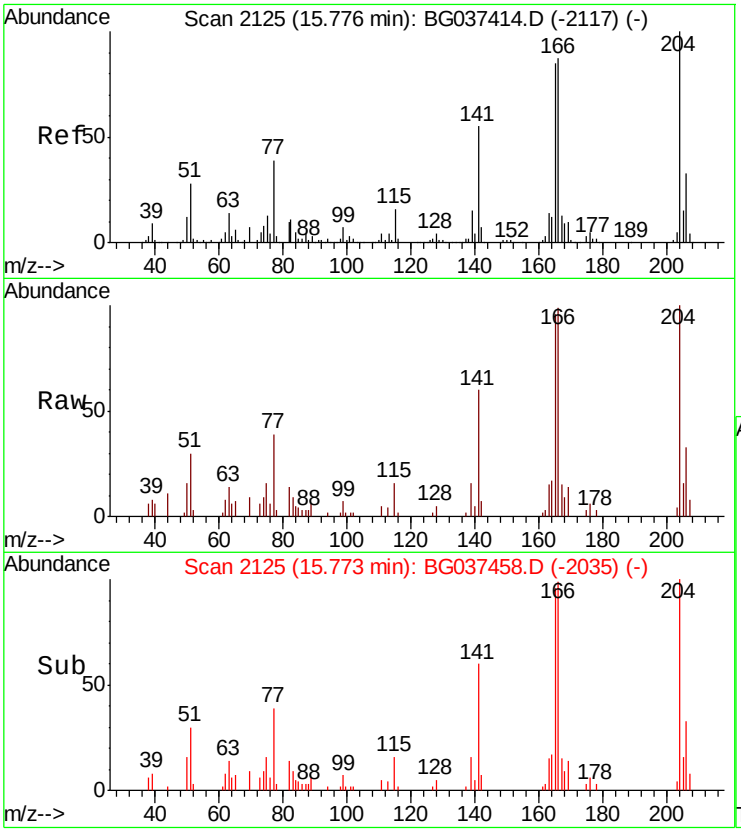


#57
2,4-Dinitrotoluene
Concen: 1.703 ng
RT: 15.10 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:165 Resp: 5605

Ion	Ratio	Lower	Upper
165	100		
63	46.6	33.4	50.0
89	70.0	57.2	85.8
182	0.0	2.6	4.0#



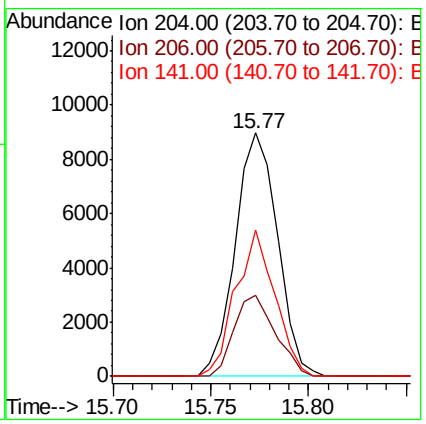


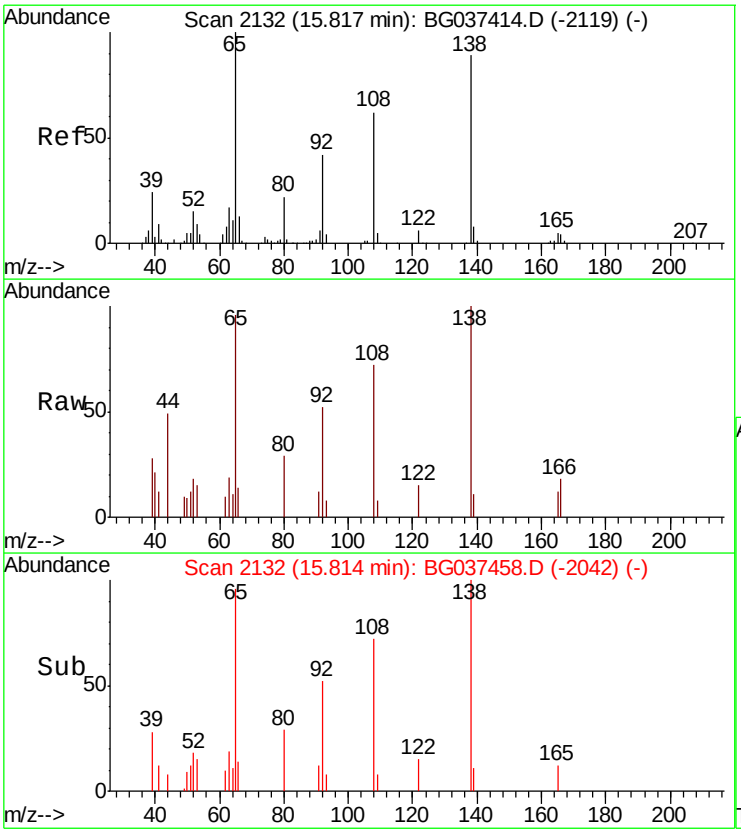
#61
4-Chlorophenyl-phenylether
Concen: 2.184 ng
RT: 15.77 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:204 Resp: 13433

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	39.8
141	60.2	45.4	68.2

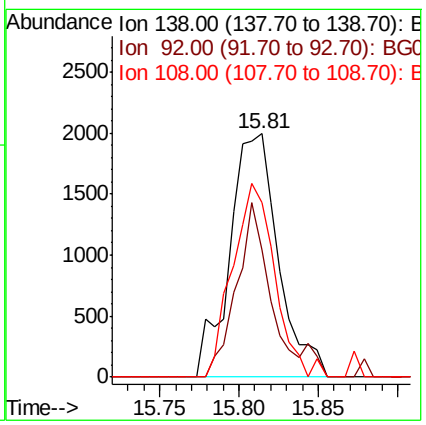


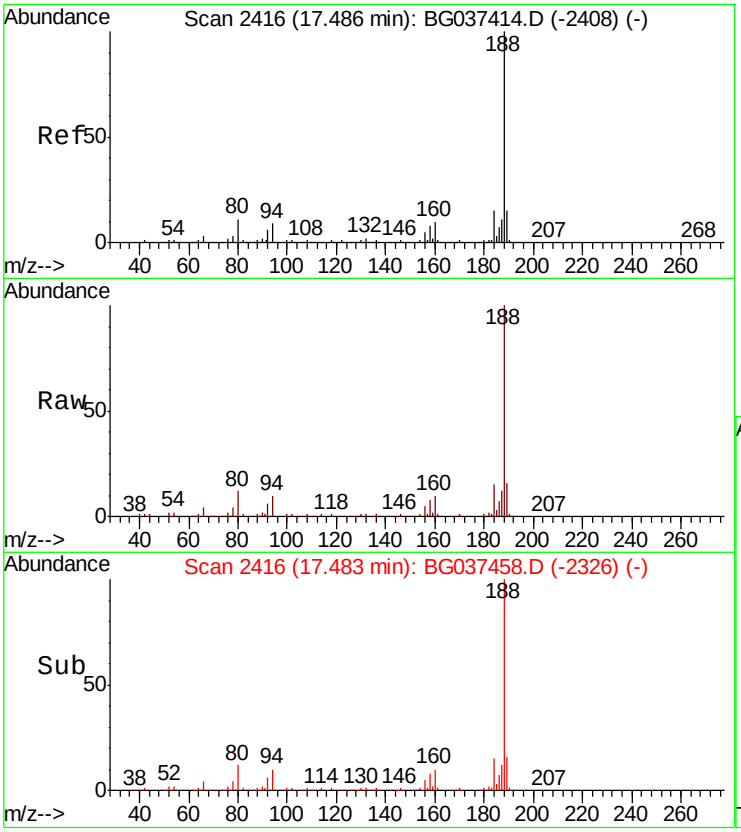


#62
4-Nitroaniline
Concen: 1.540 ng
RT: 15.81 min Scan# 2132
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:138 Resp: 4260

Ion	Ratio	Lower	Upper
138	100		
92	52.1	36.4	76.4
108	71.8	60.1	100.1



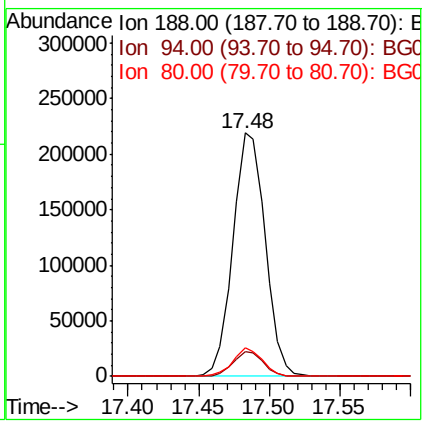


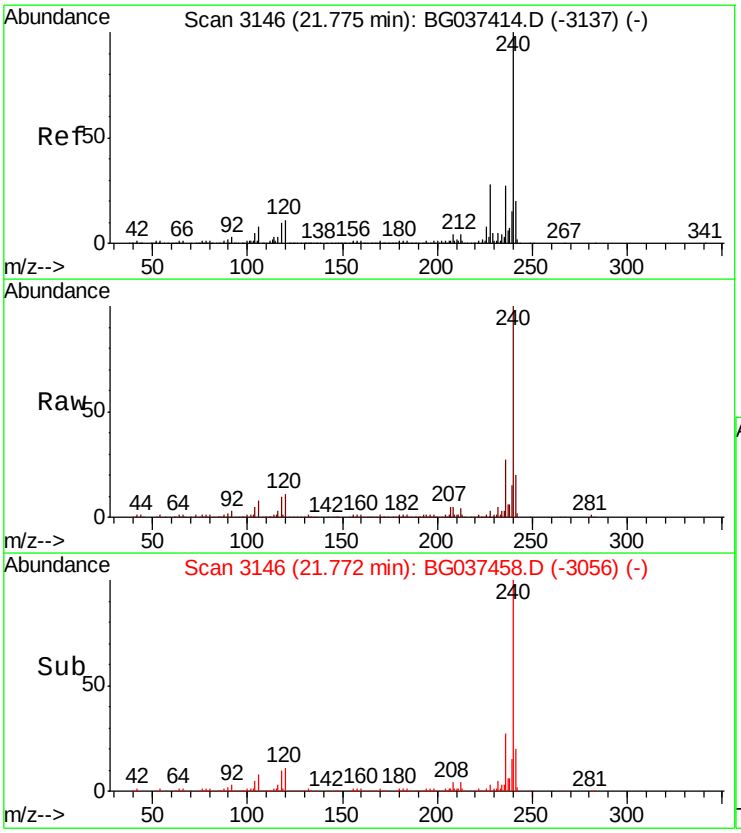
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:188 Resp: 350287

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.2	10.8
80	11.8	7.7	11.5#

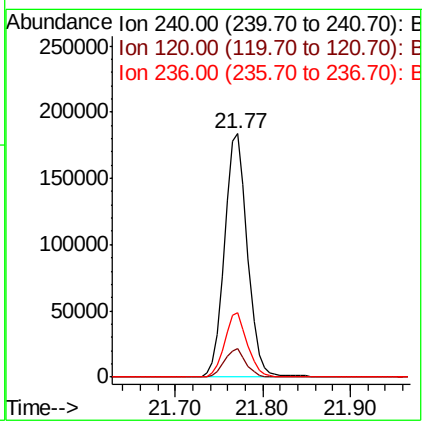


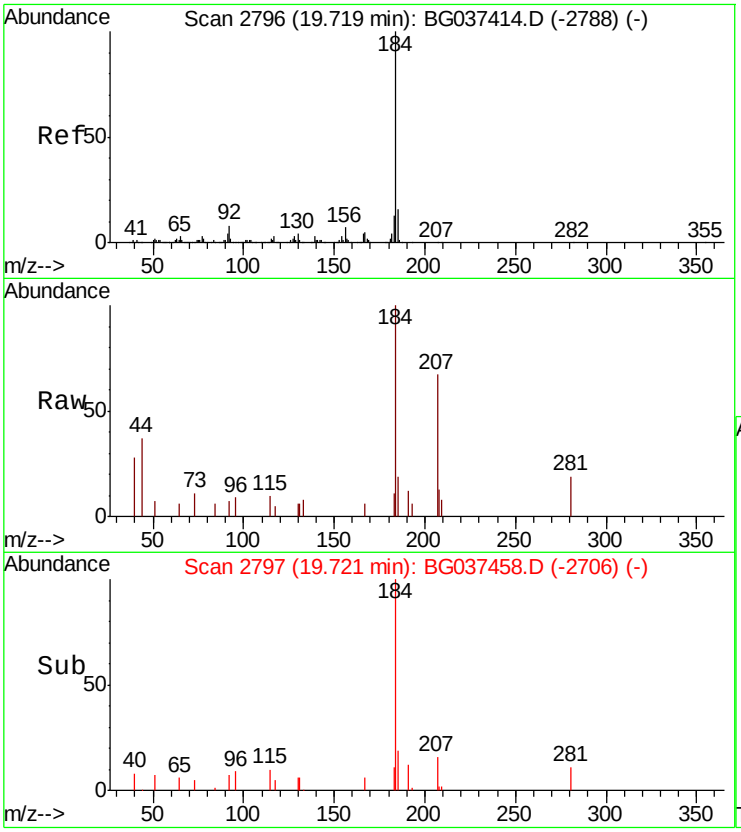


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3146
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:240 Resp: 329136

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.1	12.1
236	26.6	21.4	32.0



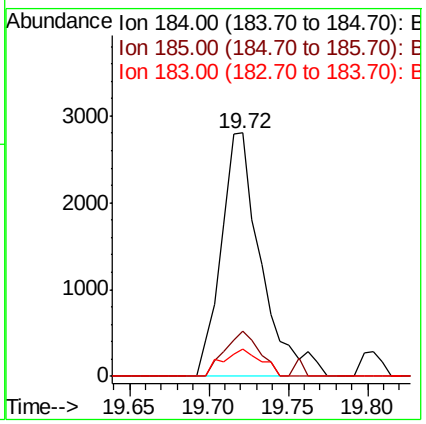


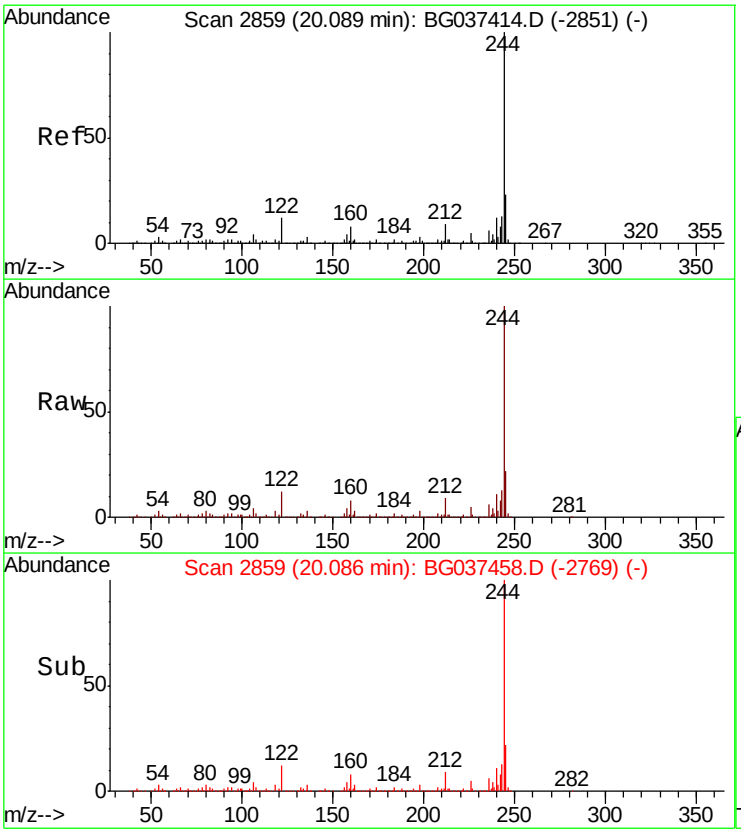
#77
Benzidine
Concen: 0.435 ng
RT: 19.72 min Scan# 2797
Delta R.T. 0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:184 Resp: 4869

Ion	Ratio	Lower	Upper
184	100		
185	18.6	12.6	18.8
183	11.1	10.2	15.2

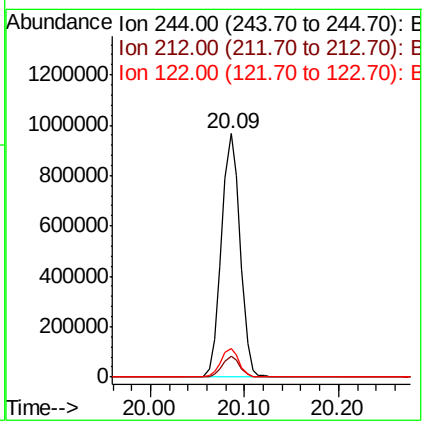


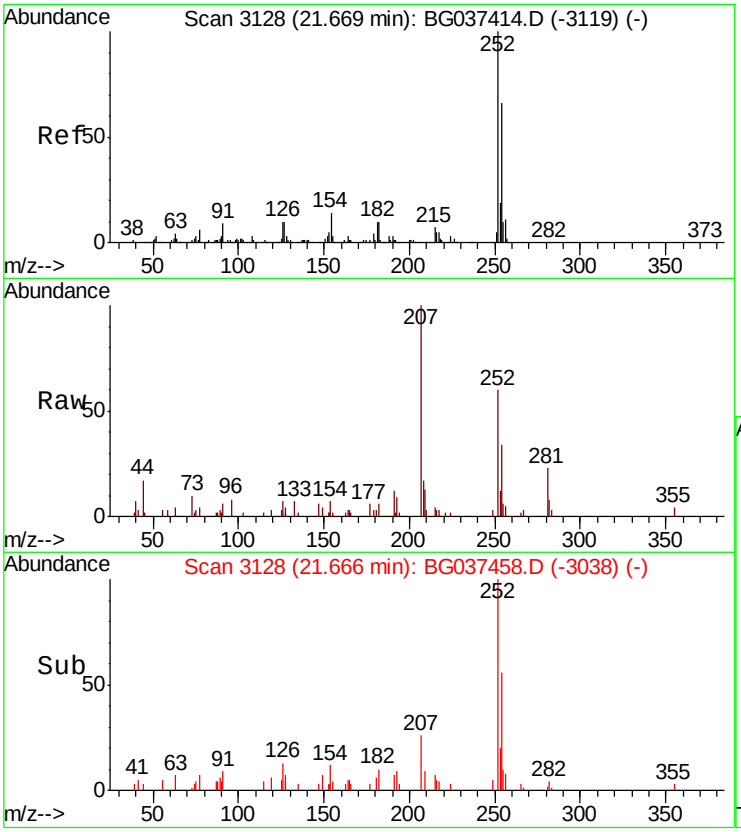


#79
Terphenyl-d14
Concen: 87.187 ng
RT: 20.09 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:244 Resp: 1342982

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.5	9.7
122	11.8	9.0	13.4



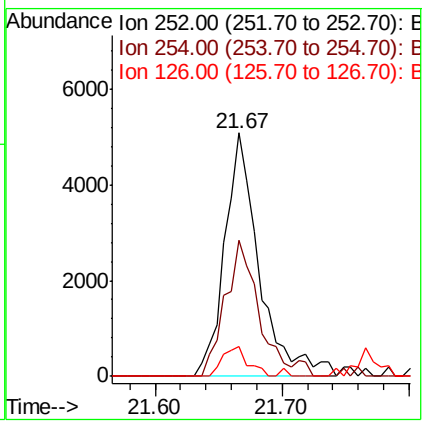


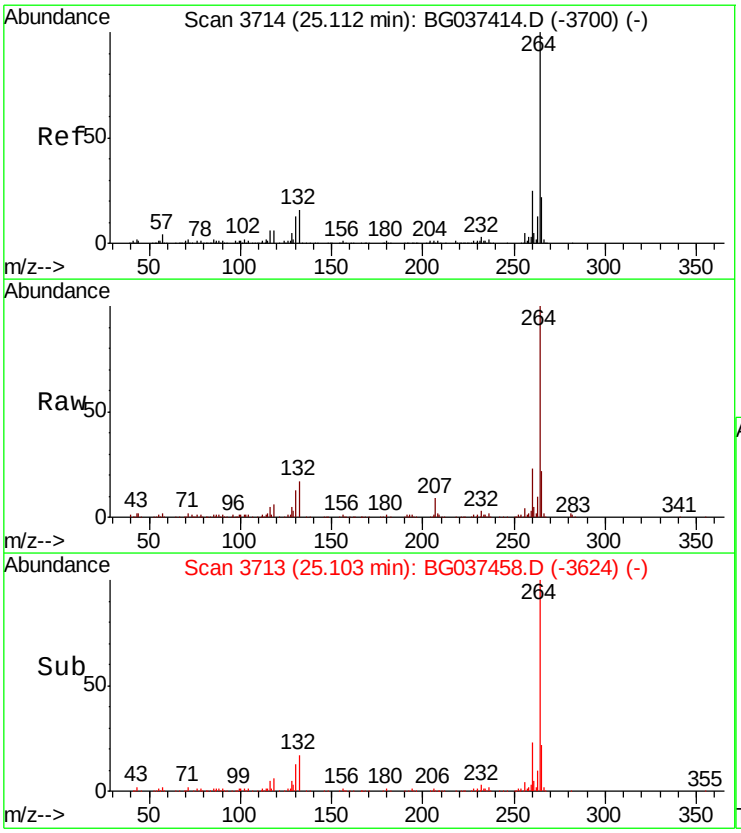
#82
3,3'-Dichlorobenzidine
Concen: 1.263 ng
RT: 21.67 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:252 Resp: 9534

Ion	Ratio	Lower	Upper
252	100		
254	56.1	52.0	78.0
126	12.5	8.2	12.4#





#87
Perylene-d12
Concen: 20.000 ng
RT: 25.10 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG037458.D
Acq: 19 Oct 2018 17:54

Tgt Ion:264 Resp: 312017

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	21.5	17.9	26.9