Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
Data File : BF105162.D
Acq On : 8 May 2018 23:25
Operator : JU/SJ
Sample : J2133-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: May 09 09:22:22 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 08 16:33:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	201888	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	812306	20.00	ng		0.00
38) Acenaphthene-d10	9.83	164	400138	20.00	ng		0.00
63) Phenanthrene-d10	11.31	188	767686	20.00	ng		0.00
75) Chrysene-d12	14.01	240	668922	20.00	ng		0.00
86) Perylene-d12	15.56	264	595678	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	1569446	128.07	ng		0.00
7) Phenol-d6	6.42	99	1871420	128.25	ng		0.00
23) Nitrobenzene-d5	7.36	82	1090185	90.96	ng		0.00
41) 2,4,6-Tribromophenol	10.62	330	601881	136.34	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	1980096	76.81	ng		0.00
78) Terphenyl-d14	12.91	244	2219490	77.07	ng		0.00
Target Compounds							Qvalue
17) 2-Methylphenol	7.03	107	24777	2.207	ng		98
19) n-Nitroso-di-n-propylamine	7.20	70	20623	2.135	ng		91
20) 3+4-Methylphenols	7.19	107	32131	2.436	ng		92
22) Acetophenone	7.19	105	46198	2.440	ng	#	91
25) Isophorone	7.60	82	51935	1.938	ng		97
26) 2-Nitrophenol	7.69	139	9142	11.260	ng		99
27) 2,4-Dimethylphenol	7.72	122	21102	1.772	ng		96
28) bis(2-Chloroethoxy)methane	7.82	93	34106	2.062	ng		95
29) 2,4-Dichlorophenol	7.92	162	21453	1.925	ng		88
30) 1,2,4-Trichlorobenzene	8.01	180	30006	2.335	ng		98
36) 4-Chloro-3-methylphenol	8.61	107	21545	1.857	ng		90
42) 2,4,6-Trichlorophenol	9.06	196	14360	1.848	ng		96
43) 2,4,5-Trichlorophenol	9.09	196	16263	2.003	ng		93
56) 2,4-Dinitrotoluene	10.00	165	12327	5.067	ng	#	96
60) 4-Chlorophenyl-phenylether	10.37	204	31908	2.634	ng		88
61) 4-Nitroaniline	10.37	138	10339	1.678	ng		100
76) Benzidine	12.65	184	11754	0.471	ng	#	90
81) 3,3'-Dichlorobenzidine	13.96	252	19132	1.254	ng	#	90

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

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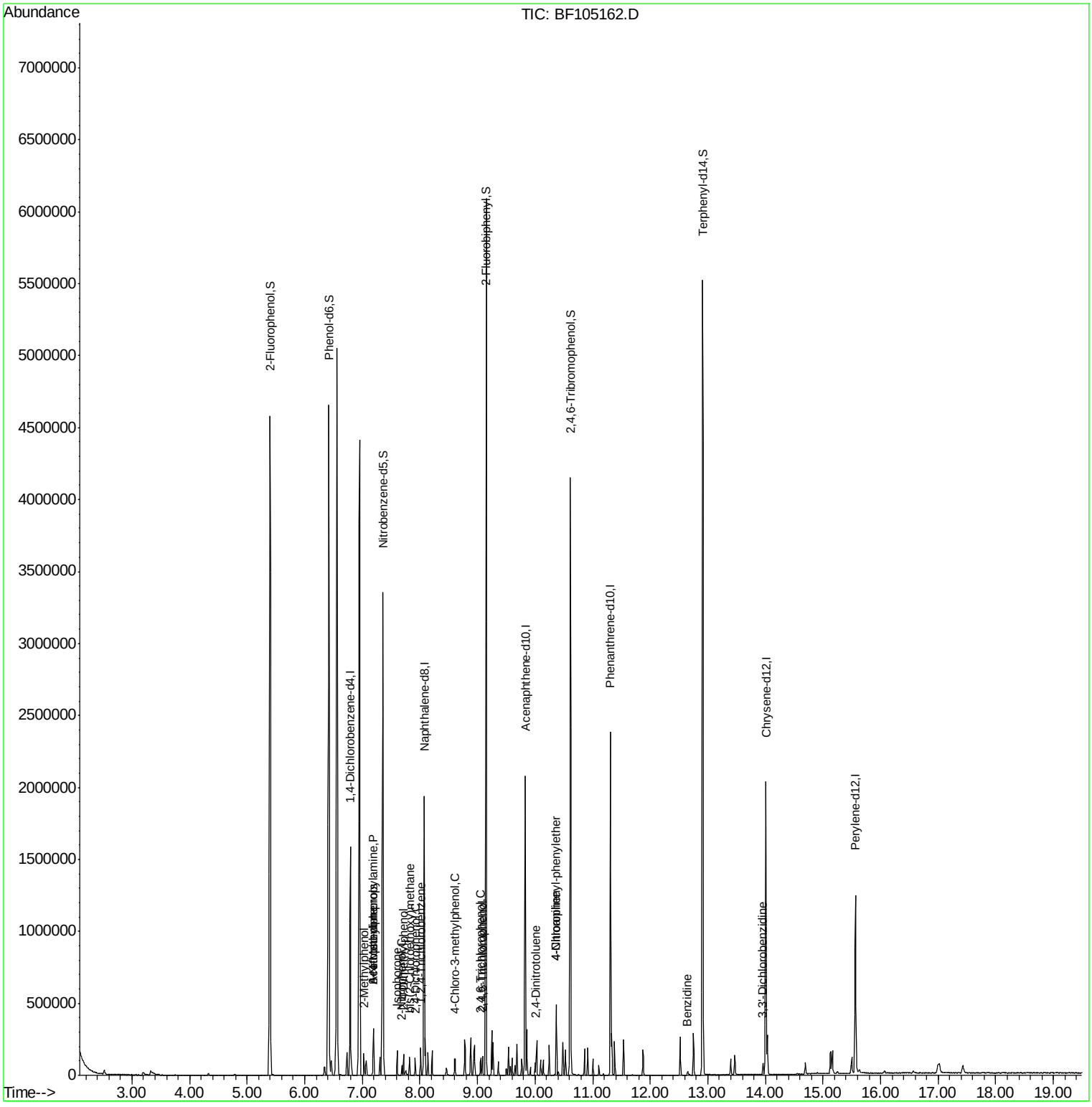
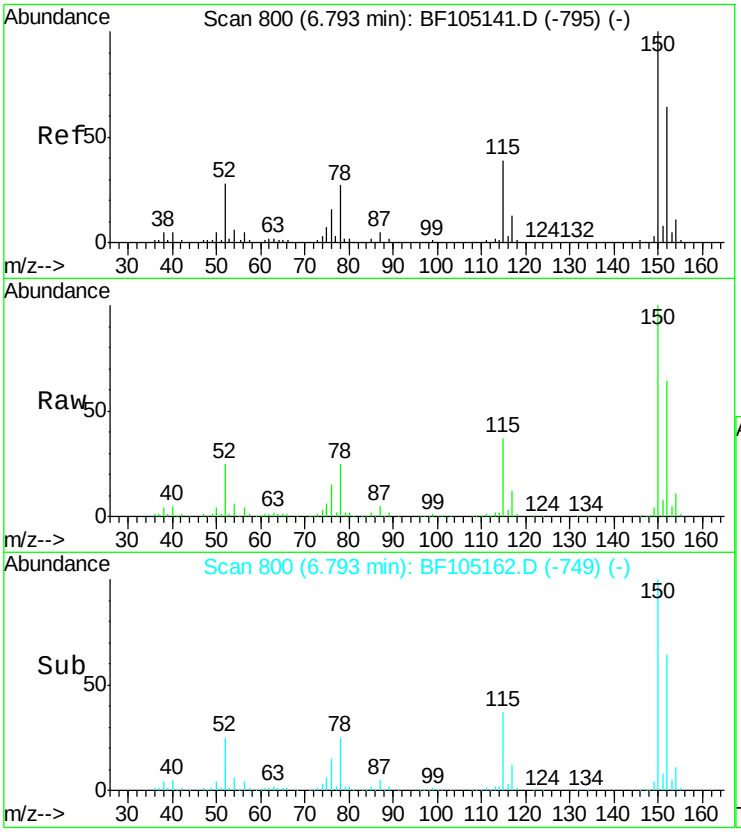


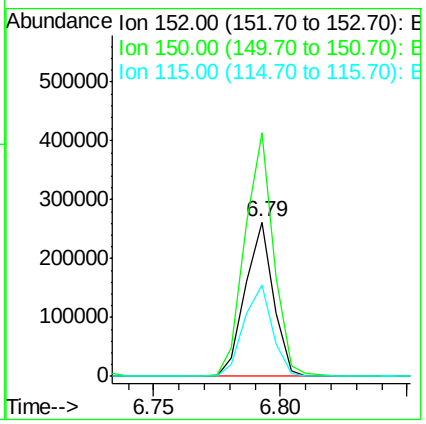


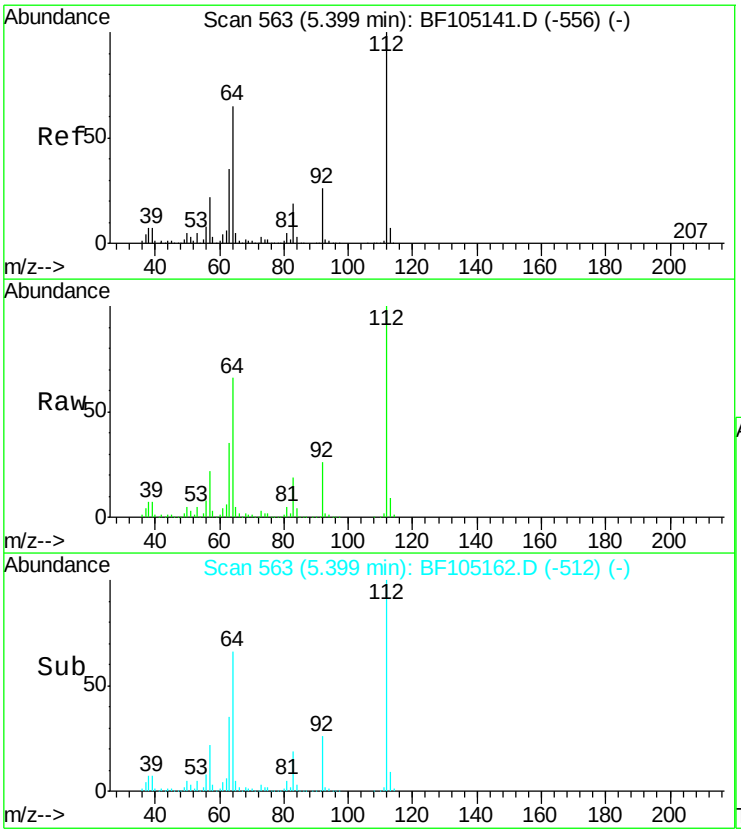
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:152 Resp: 201888

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	59.0	50.1	75.1

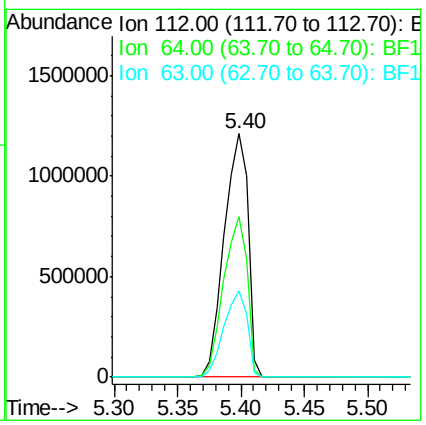


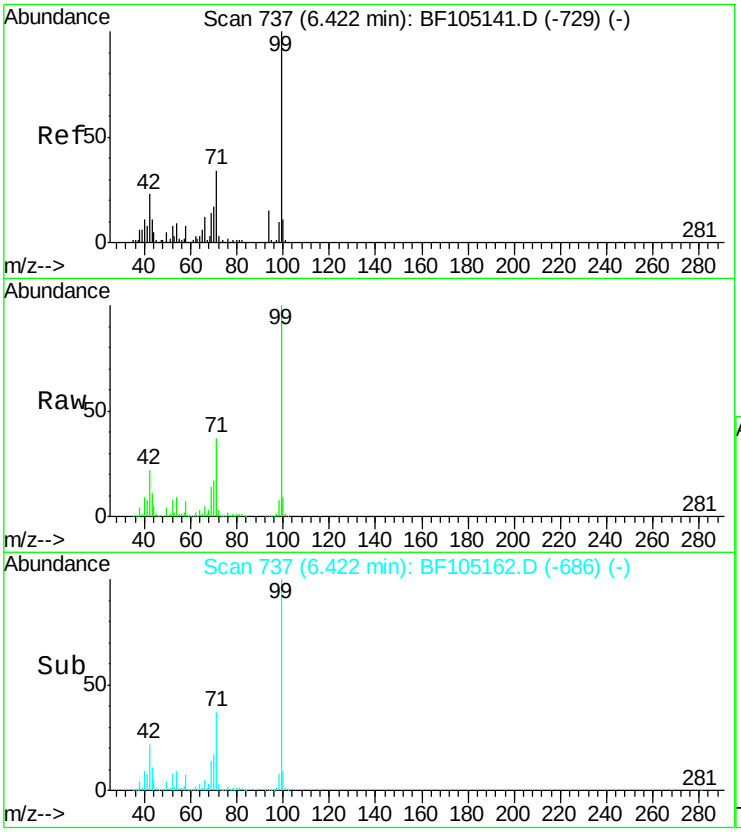


#5
2-Fluorophenol
Concen: 128.069 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.00 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:112 Resp: 1569446

Ion	Ratio	Lower	Upper
112	100		
64	65.7	47.9	71.9
63	35.2	23.7	35.5



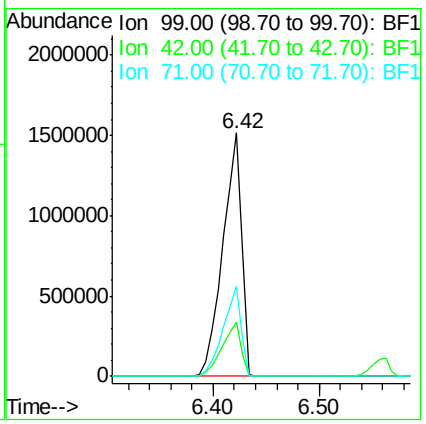


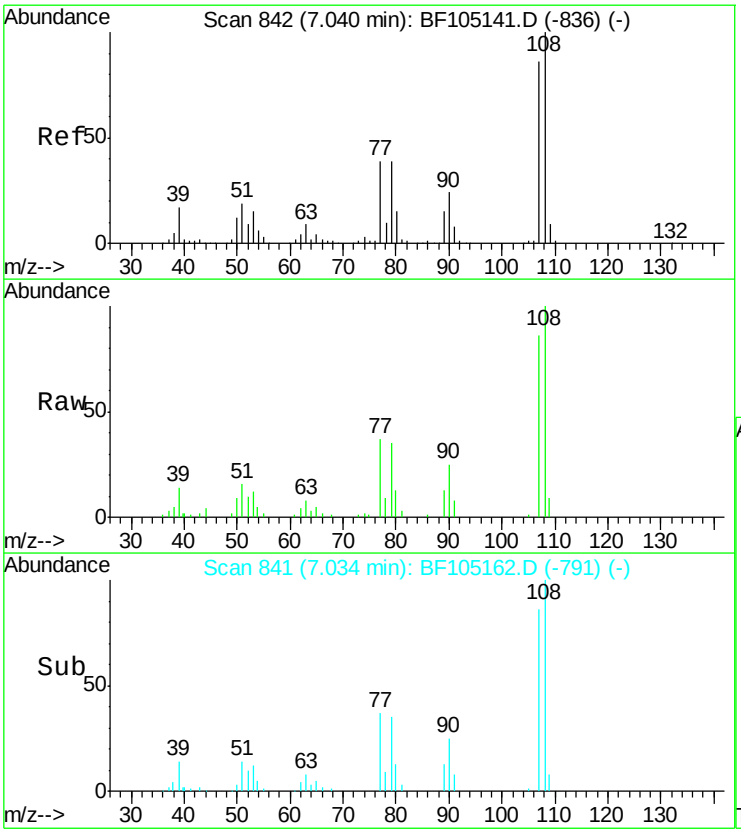
#7
Phenol-d6
Concen: 128.252 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion: 99 Resp: 1871420

Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.5	21.7#
71	37.0	25.4	38.0

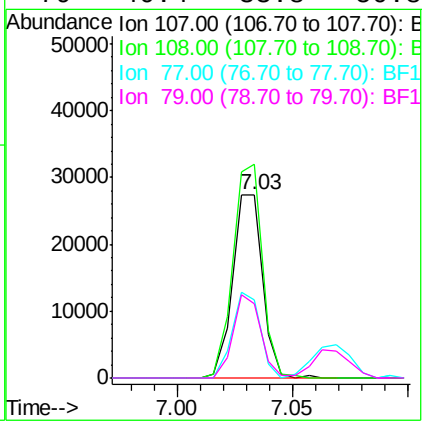


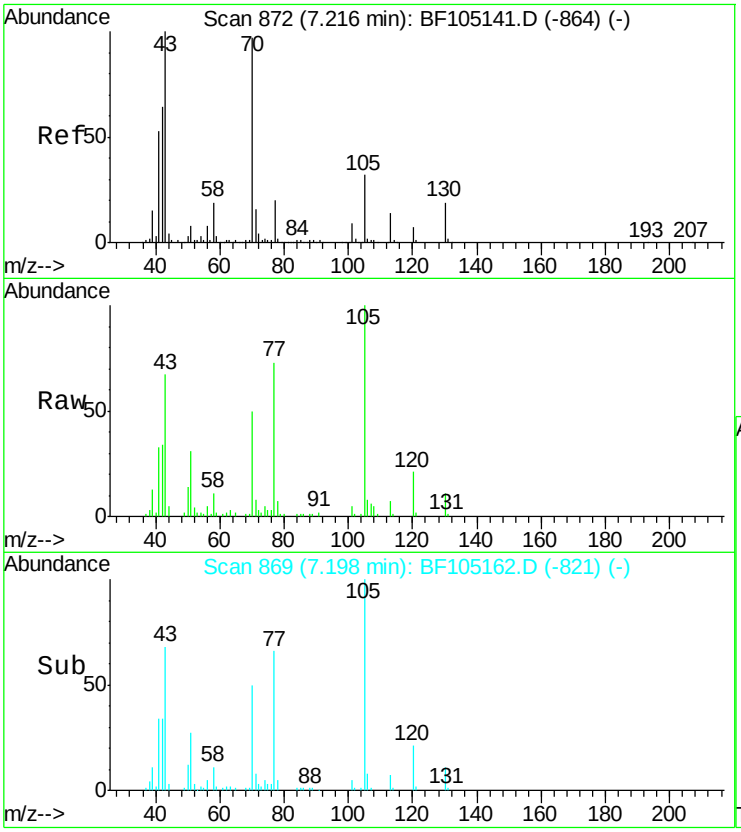


#17
2-Methylphenol
Concen: 2.207 ng
RT: 7.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:107 Resp: 24777

Ion	Ratio	Lower	Upper
107	100		
108	116.5	91.7	137.5
77	42.8	33.8	50.8
79	40.4	33.8	50.8



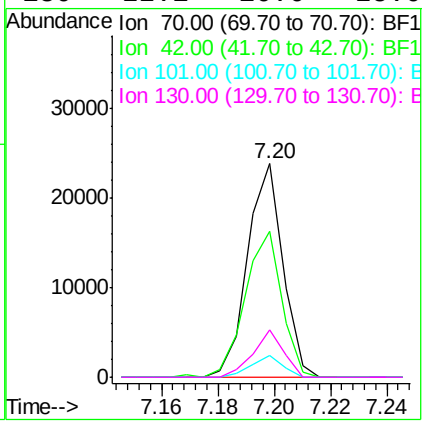


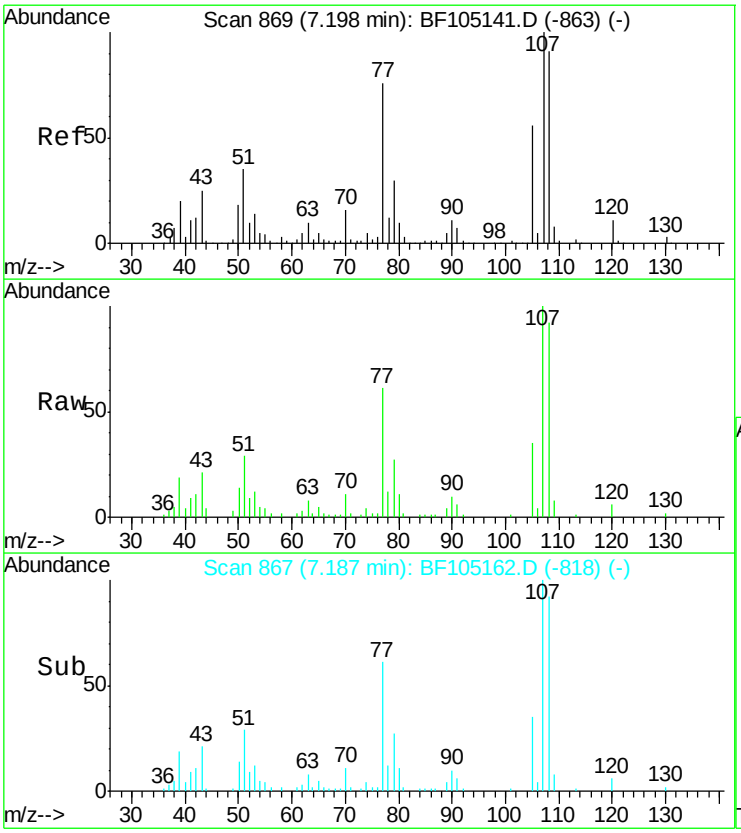
#19
n-Nitroso-di-n-propylamine
Concen: 2.135 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion: 70 Resp: 20623

Ion	Ratio	Lower	Upper
70	100		
42	68.2	47.5	71.3
101	10.4	7.4	11.2
130	22.1	16.6	25.0

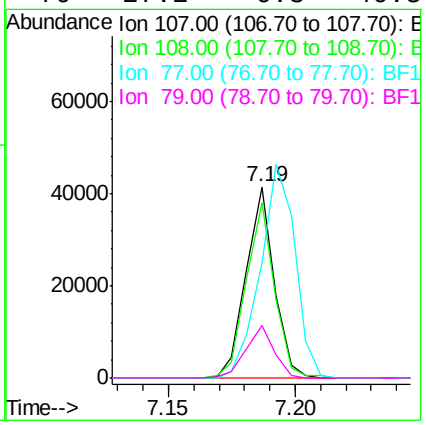


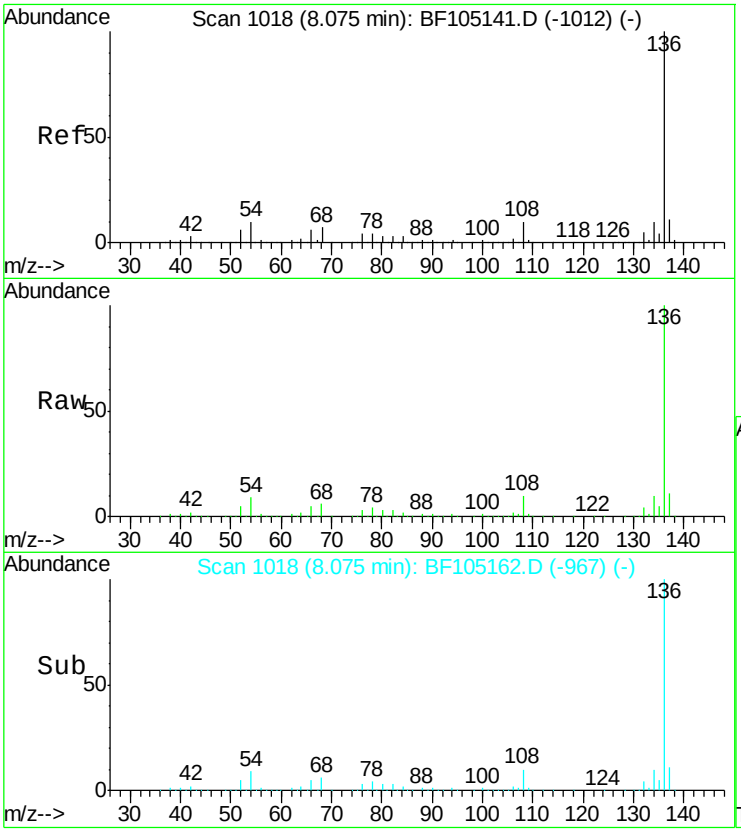


#20
3+4-Methylphenols
Concen: 2.436 ng
RT: 7.19 min Scan# 867
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:107 Resp: 32131

Ion	Ratio	Lower	Upper
107	100		
108	91.8	68.2	108.2
77	60.6	26.7	66.7
79	27.2	6.3	46.3



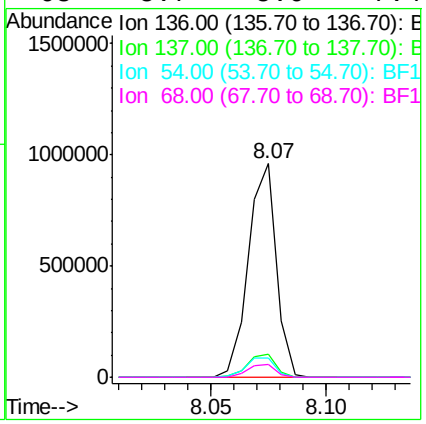


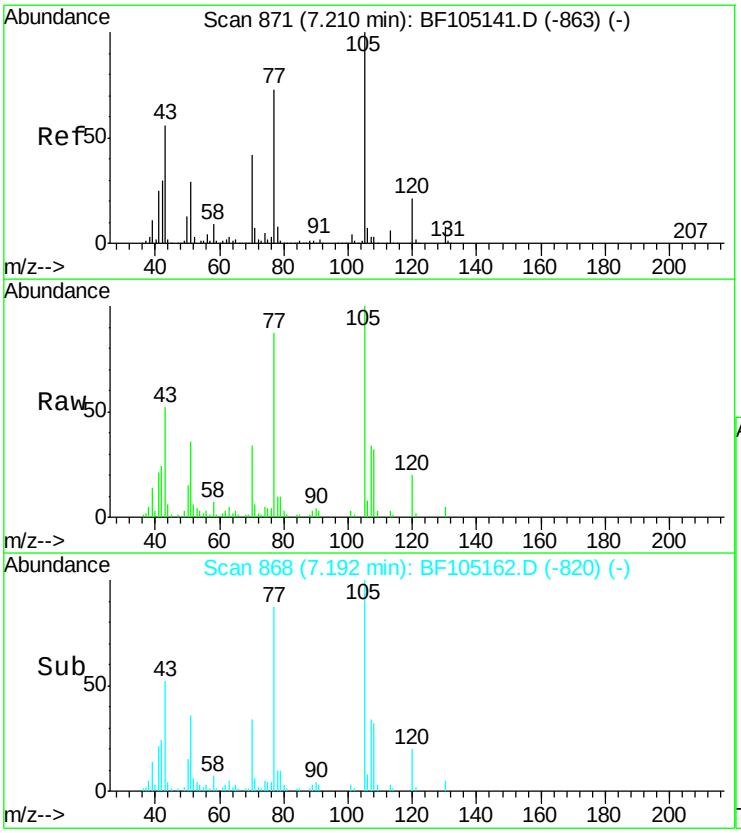
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:136 Resp: 812306

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	6.6	9.8
68	5.7	5.0	7.4

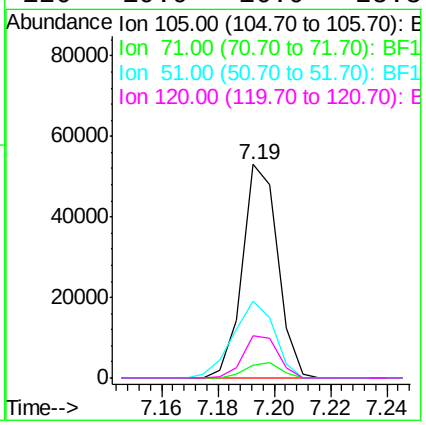


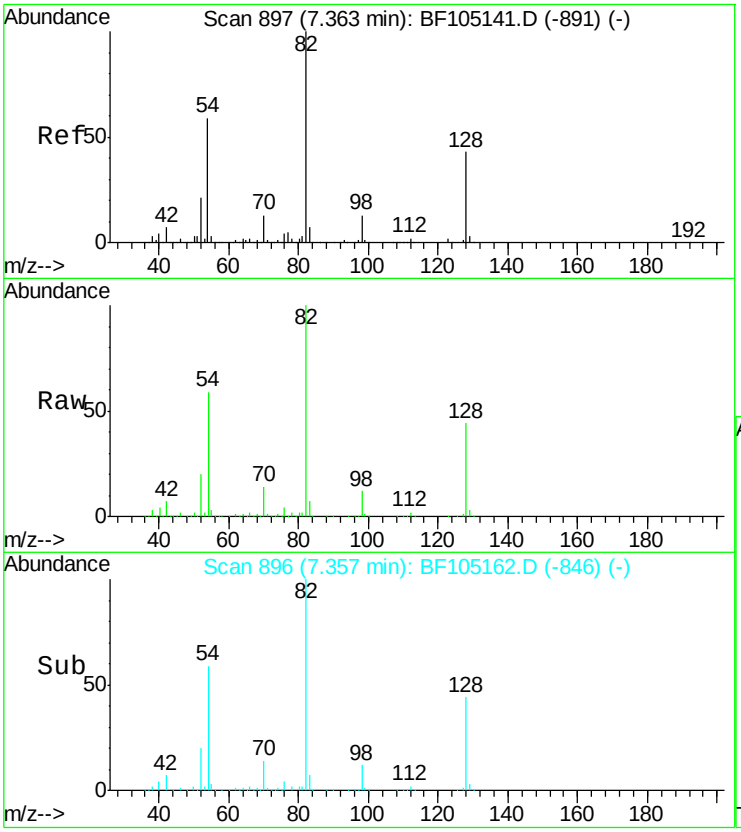


#22
Acetophenone
Concen: 2.440 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:105 Resp: 46198

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.4	6.6
51	36.0	22.3	33.5#
120	19.9	16.9	25.3



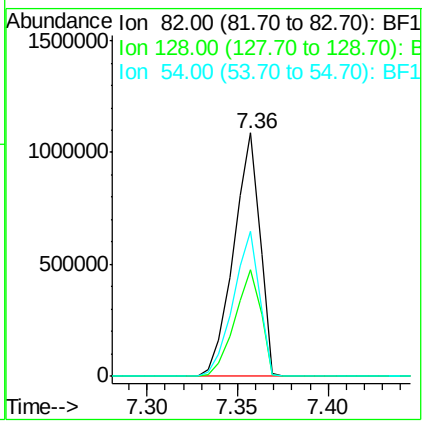


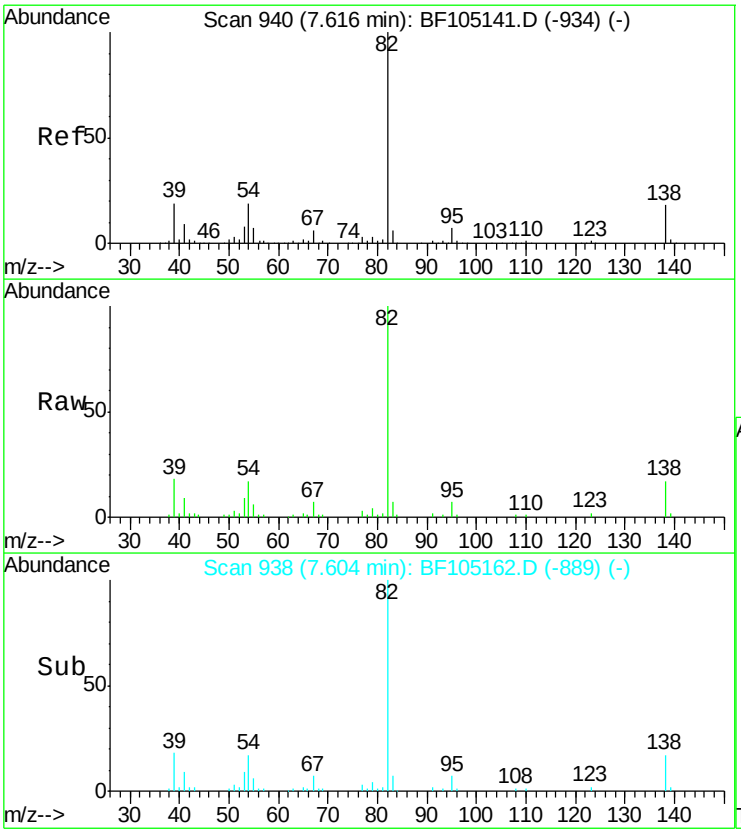
#23
Nitrobenzene-d5
Concen: 90.958 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion: 82 Resp: 1090185

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	59.4	41.4	62.2

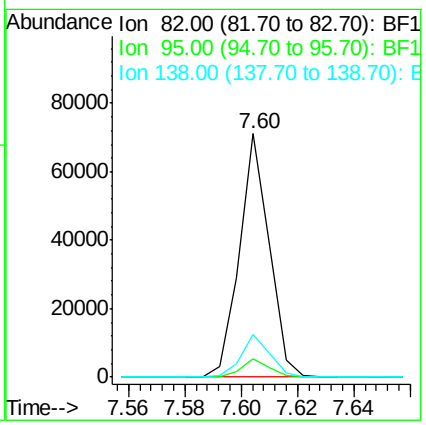


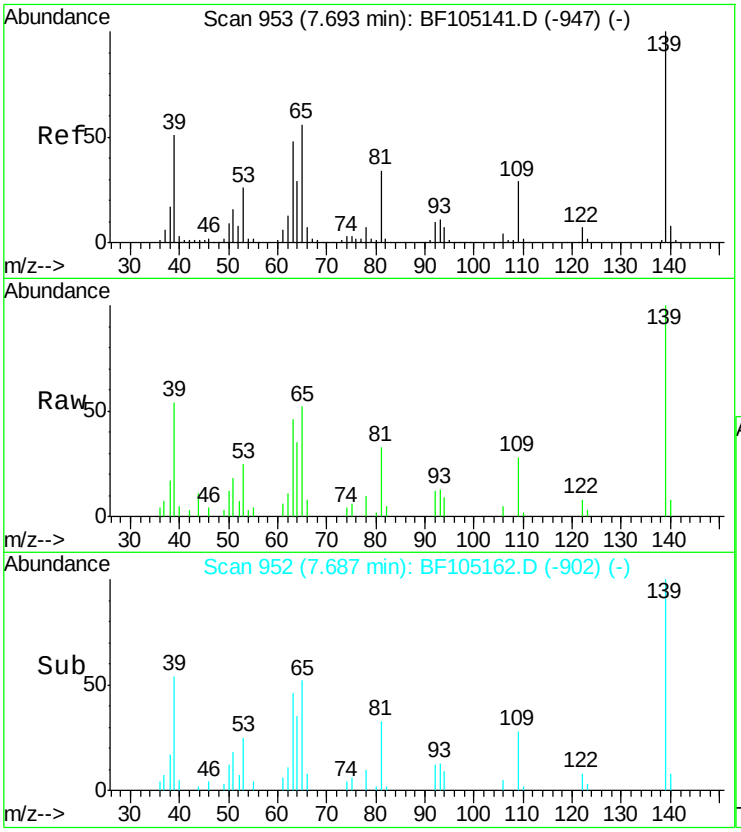


#25
Isophorone
Concen: 1.938 ng
RT: 7.60 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion: 82 Resp: 51935

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.2	7.8
138	17.3	14.9	22.3



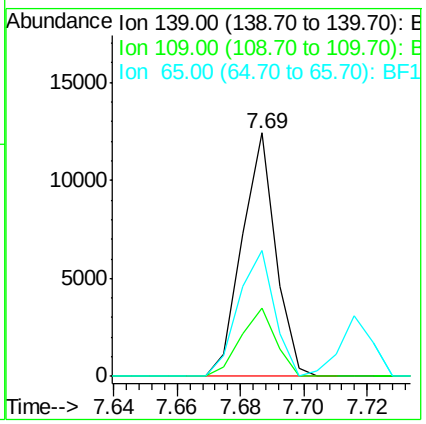


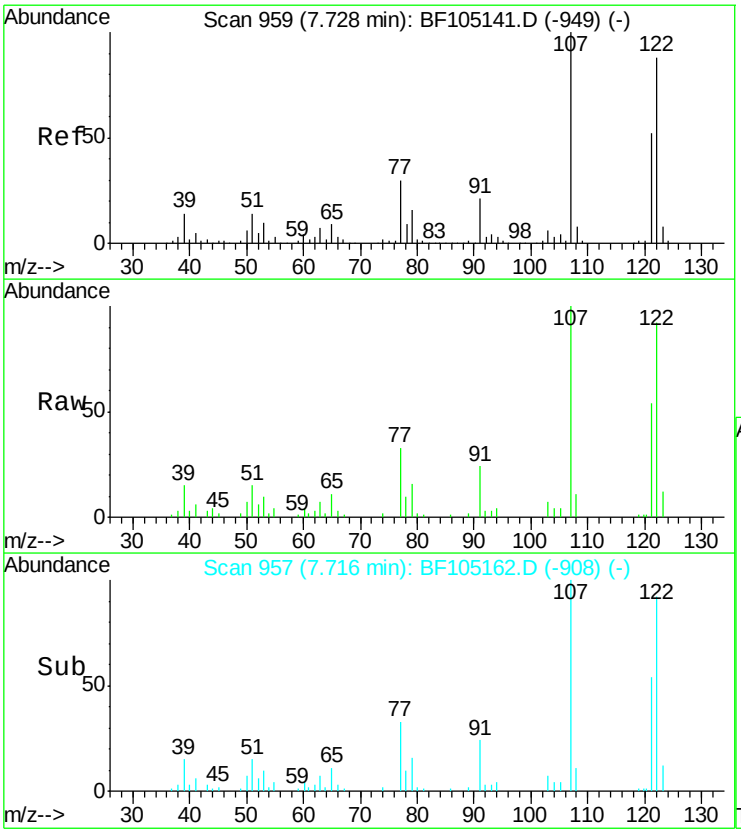
#26
2-Nitrophenol
Concen: 11.260 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:139 Resp: 9142

Ion	Ratio	Lower	Upper
139	100		
109	28.1	22.7	34.1
65	51.5	40.5	60.7

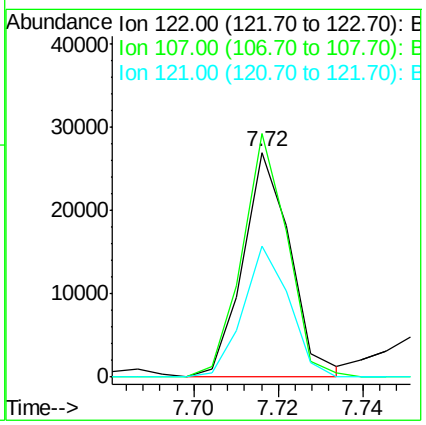


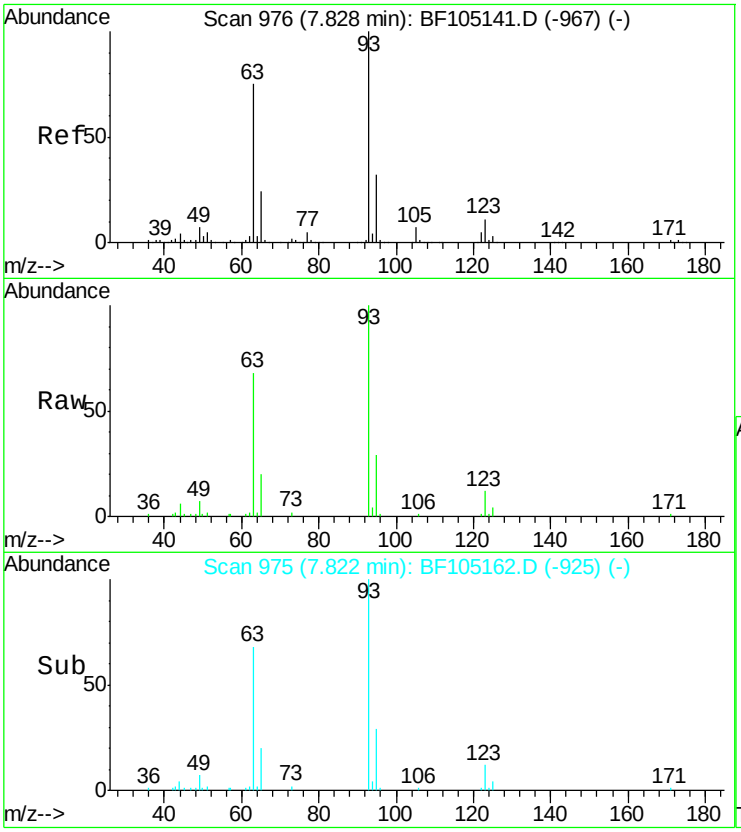


#27
2,4-Dimethylphenol
Concen: 1.772 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:122 Resp: 21102

Ion	Ratio	Lower	Upper
122	100		
107	108.4	91.2	136.8
121	58.2	47.2	70.8



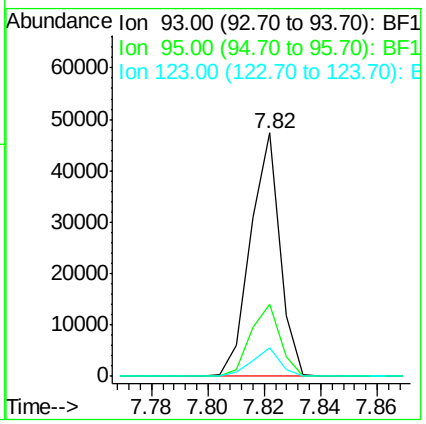


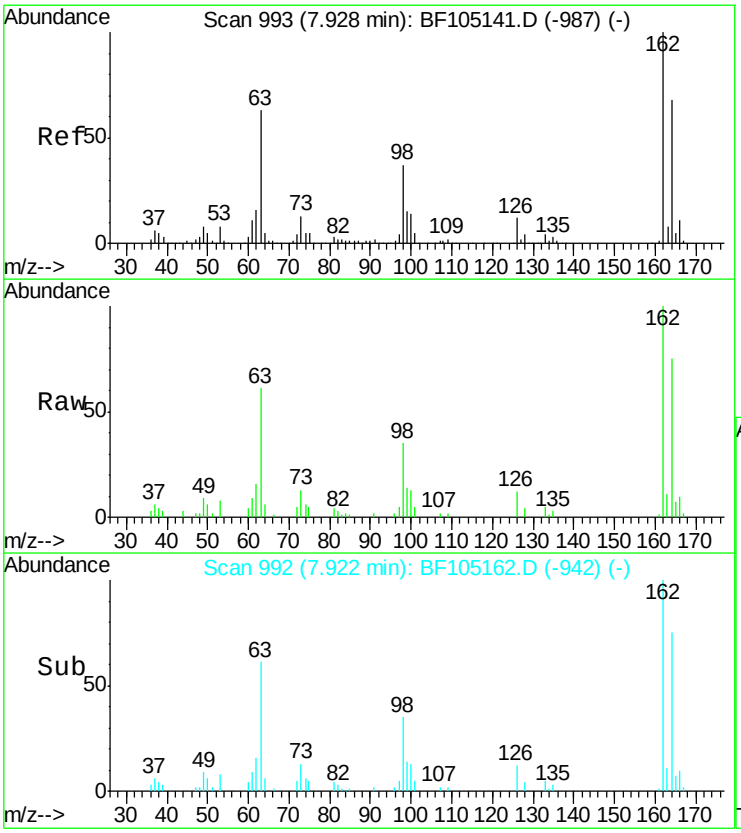
#28
bis(2-Chloroethoxy)methane
Concen: 2.062 ng
RT: 7.82 min Scan# 975
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion: 93 Resp: 34106

Ion	Ratio	Lower	Upper
93	100		
95	29.5	26.3	39.5
123	11.7	9.8	14.6

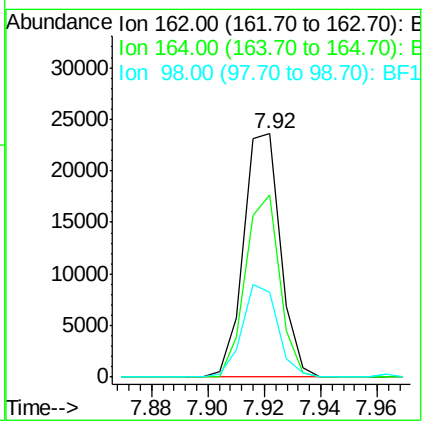


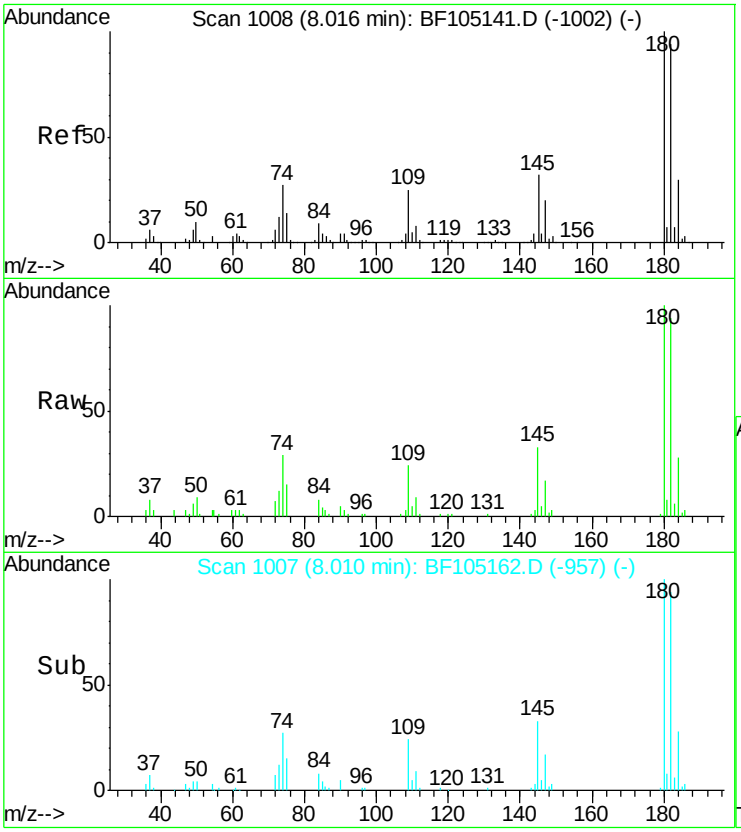


#29
2,4-Dichlorophenol
Concen: 1.925 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:162 Resp: 21453

Ion	Ratio	Lower	Upper
162	100		
164	74.9	42.7	82.7
98	34.8	18.1	58.1



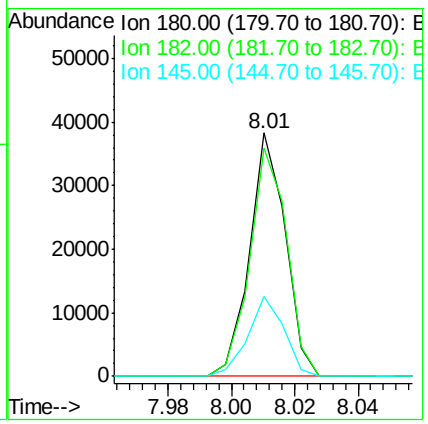


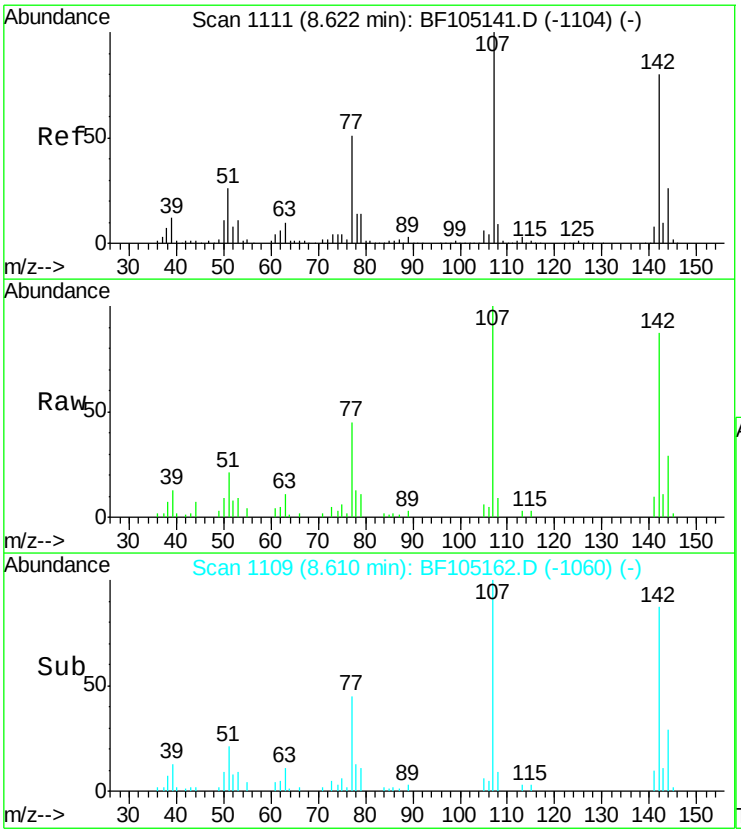
#30
1,2,4-Trichlorobenzene
Concen: 2.335 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:180 Resp: 30006

Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.8	115.2
145	32.7	26.5	39.7

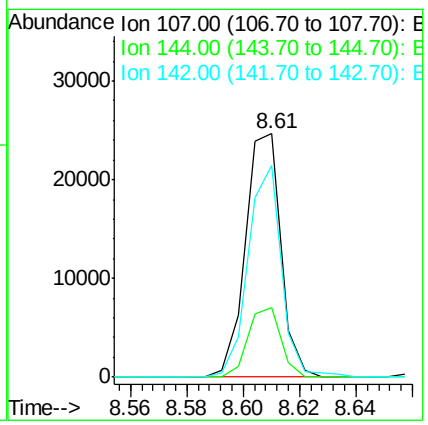


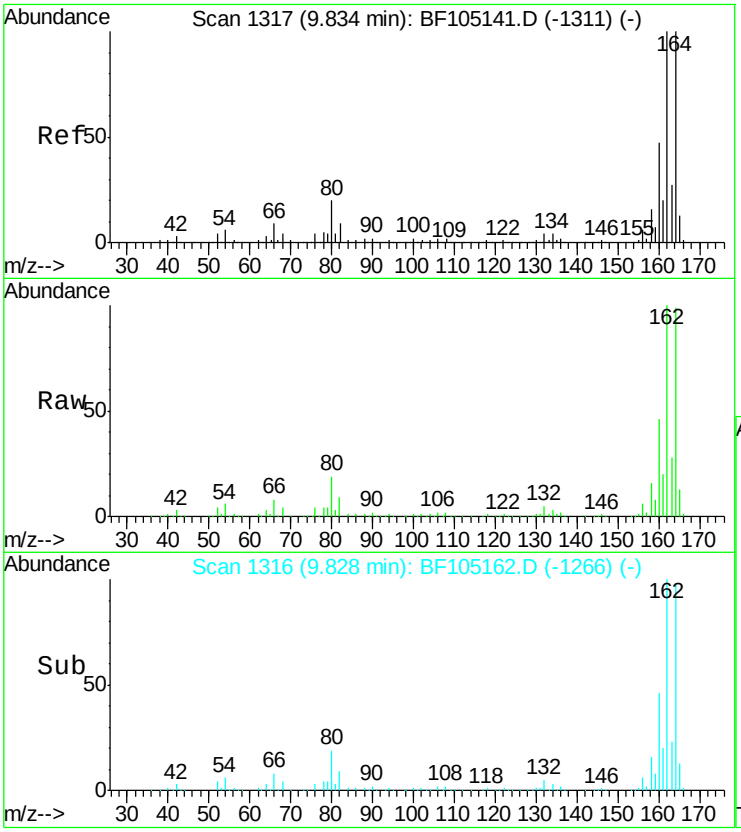


#36
4-Chloro-3-methylphenol
Concen: 1.857 ng
RT: 8.61 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:107 Resp: 21545

Ion	Ratio	Lower	Upper
107	100		
144	28.6	20.5	30.7
142	87.1	62.0	93.0



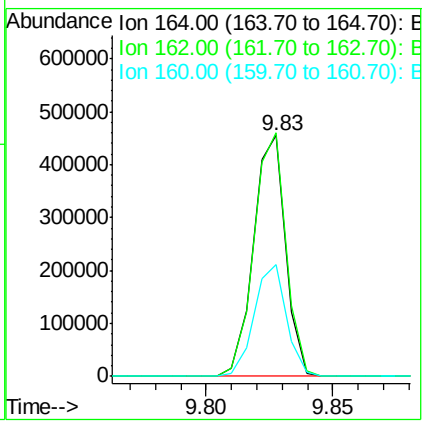


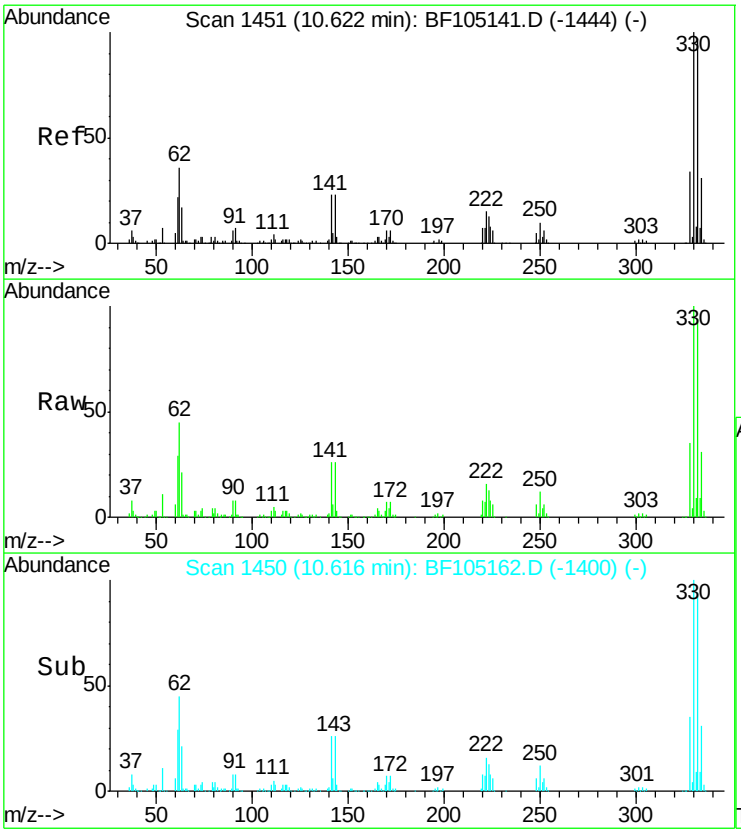
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:164 Resp: 400138

Ion	Ratio	Lower	Upper
164	100		
162	101.2	86.1	129.1
160	46.4	38.3	57.5

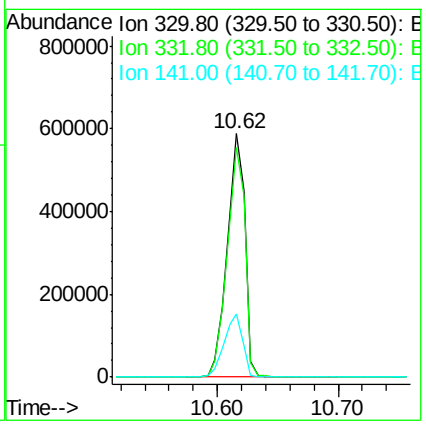


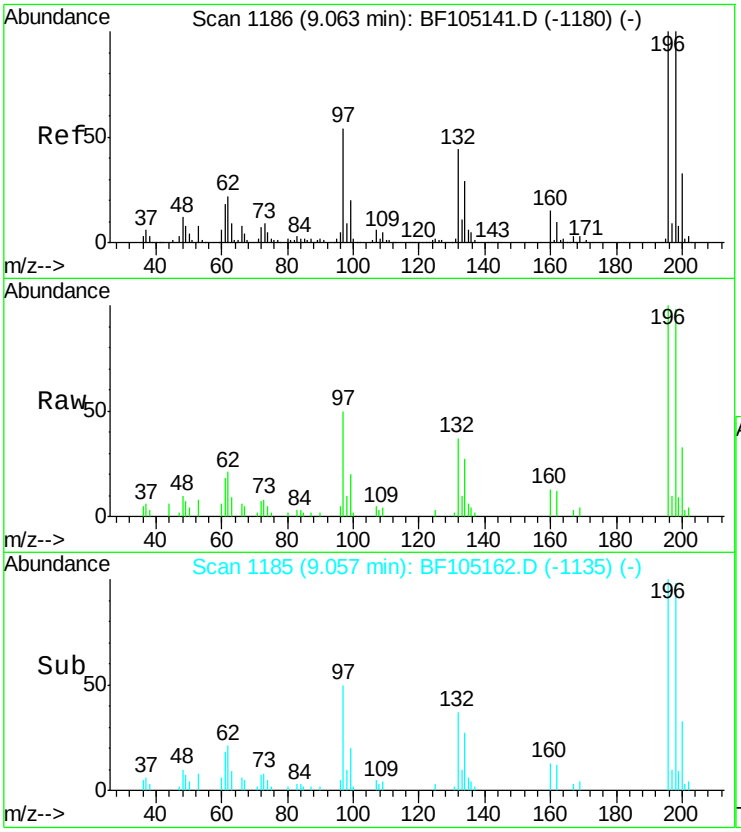


#41
2,4,6-Tribromophenol
Concen: 136.338 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:330 Resp: 601881

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	26.9	29.9	44.9#



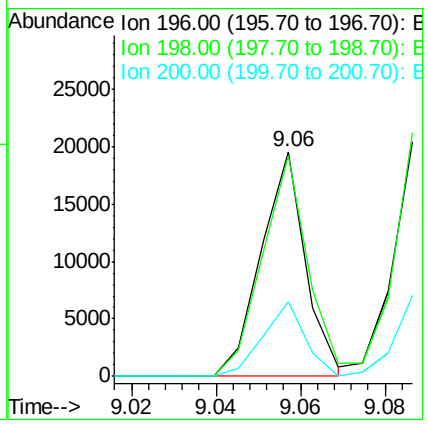


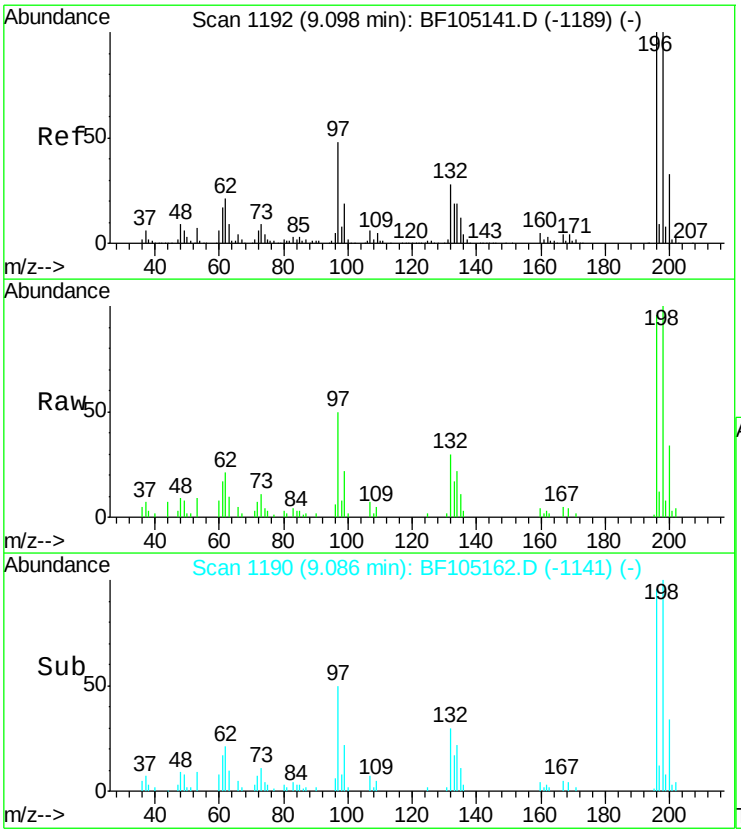
#42
2,4,6-Trichlorophenol
Concen: 1.848 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:196 Resp: 14360

Ion	Ratio	Lower	Upper
196	100		
198	98.4	75.7	113.5
200	33.3	24.5	36.7

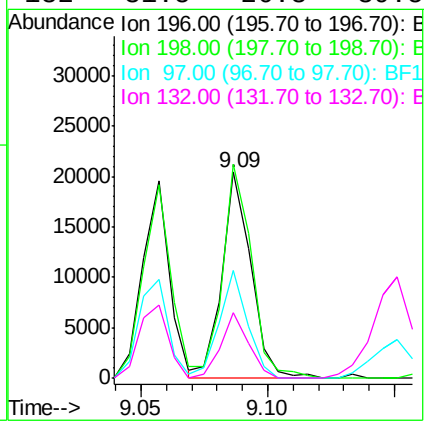


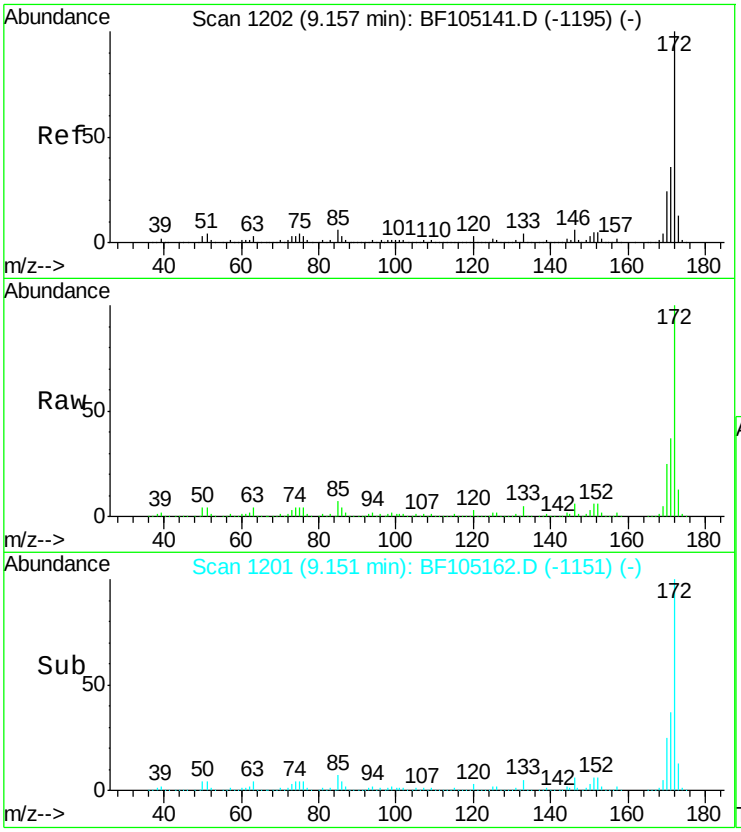


#43
2,4,5-Trichlorophenol
Concen: 2.003 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:196 Resp: 16263

Ion	Ratio	Lower	Upper
196	100		
198	103.9	74.6	112.0
97	52.3	42.9	64.3
132	31.5	26.3	39.5



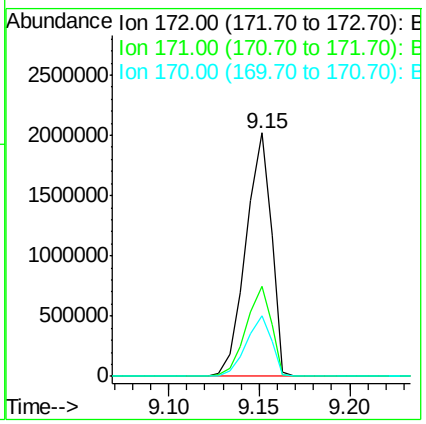


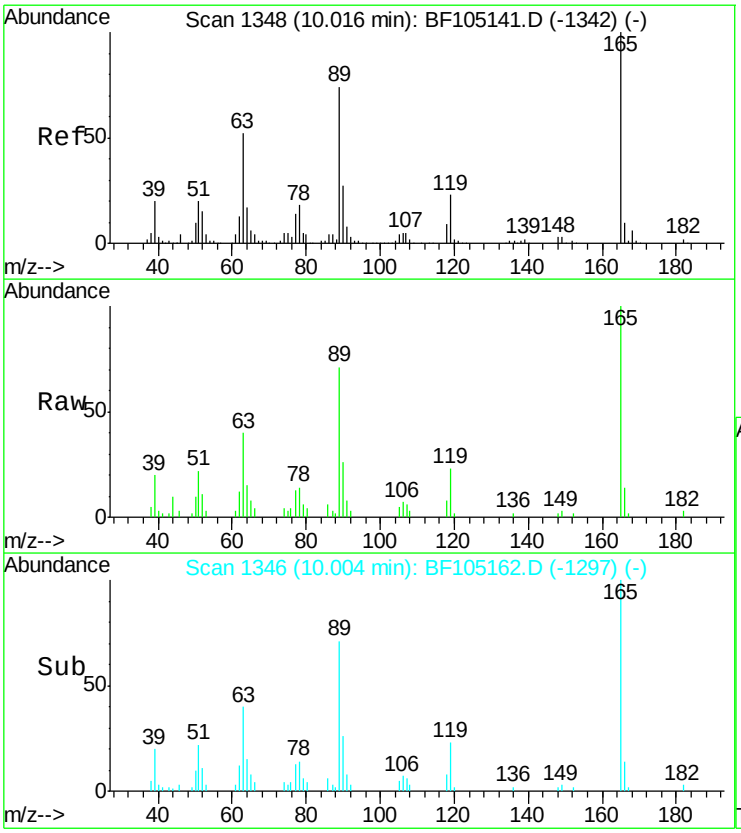
#44
2-Fluorobiphenyl
Concen: 76.806 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:172 Resp: 1980096

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.8	19.6	29.4

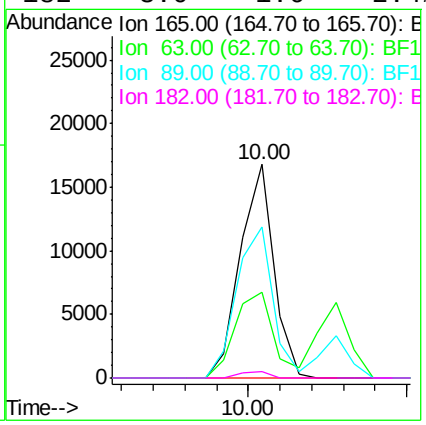


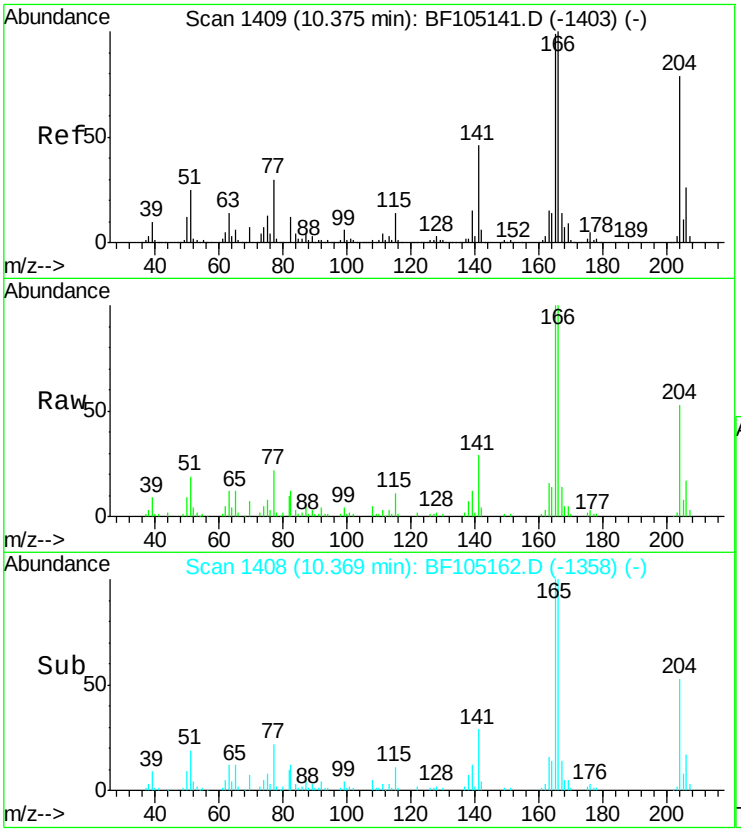


#56
2,4-Dinitrotoluene
Concen: 5.067 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:165 Resp: 12327

Ion	Ratio	Lower	Upper
165	100		
63	39.9	36.4	54.6
89	70.9	57.8	86.6
182	3.0	1.6	2.4#



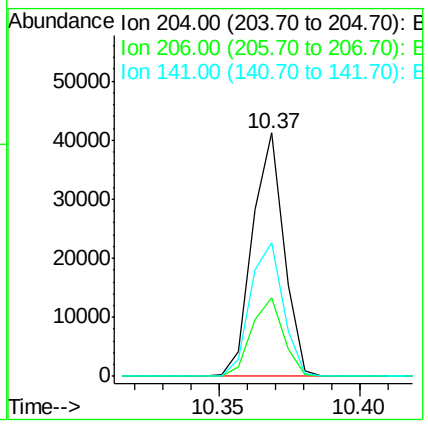


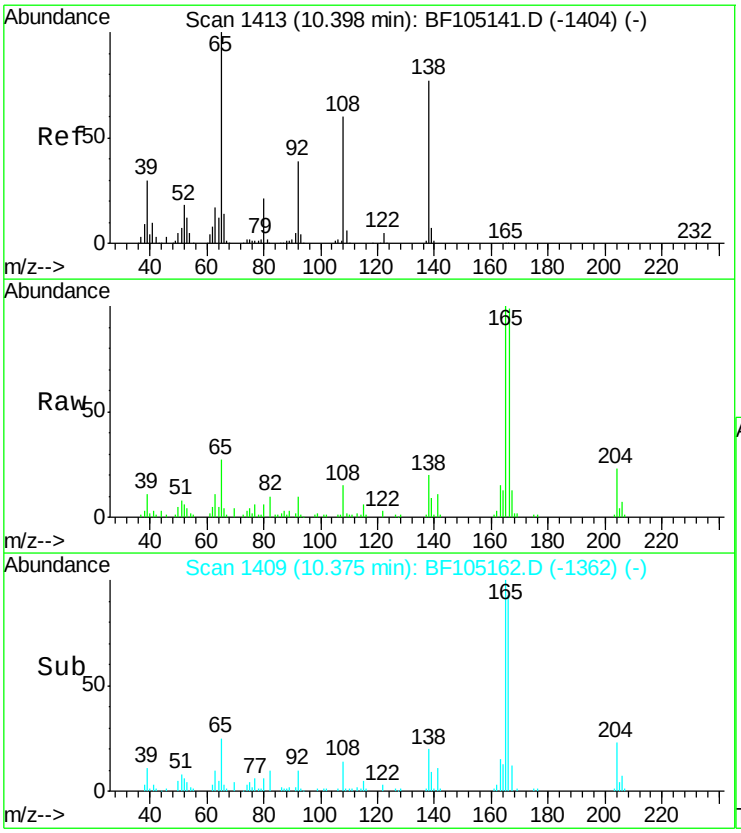
#60
4-Chlorophenyl-phenylether
Concen: 2.634 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:204 Resp: 31908

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.5	39.7
141	54.8	54.6	81.8

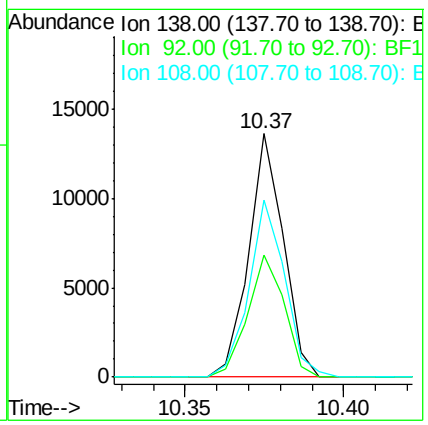


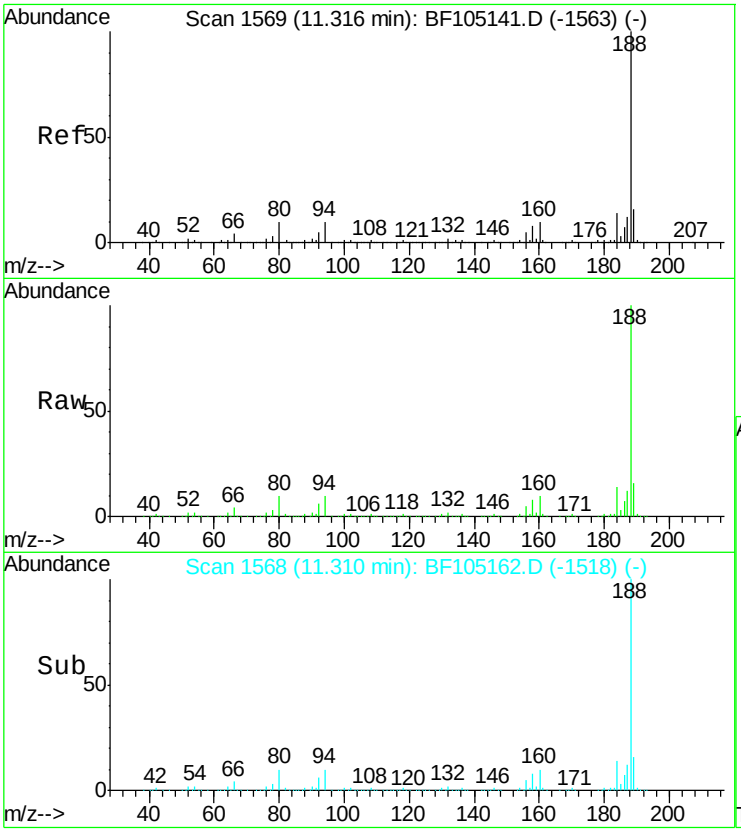


#61
4-Nitroaniline
Concen: 1.678 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.02 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:138 Resp: 10339

Ion	Ratio	Lower	Upper
138	100		
92	50.4	30.2	70.2
108	72.6	52.5	92.5



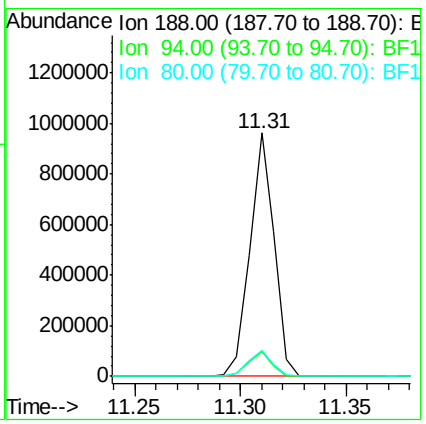


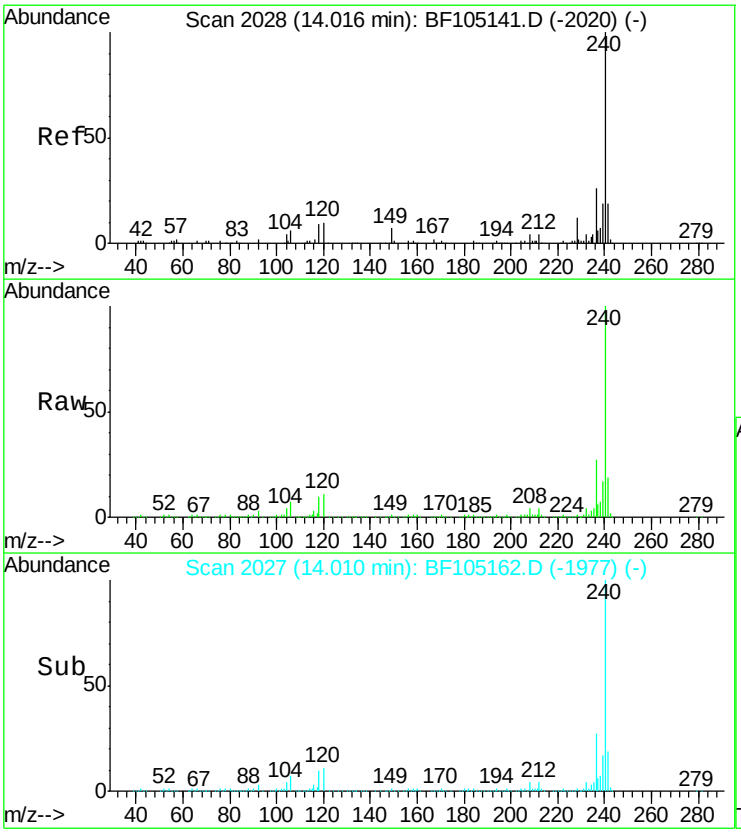
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:188 Resp: 767686

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.5	9.2	13.8

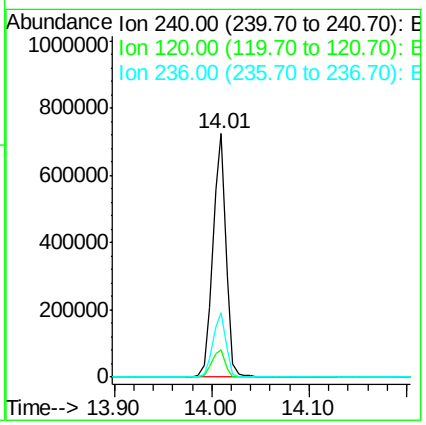


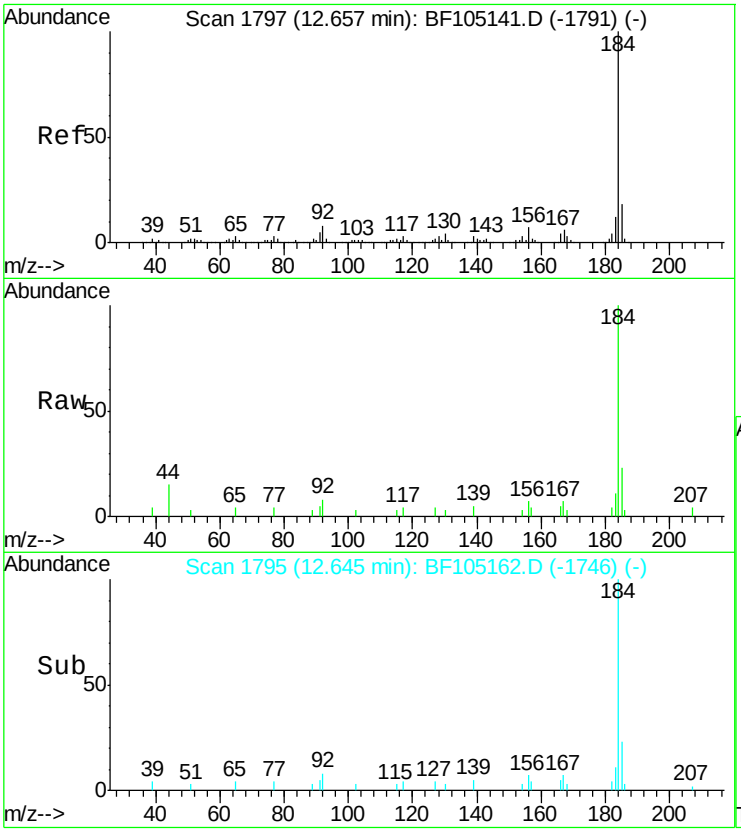


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:240 Resp: 668922

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.5	14.3
236	26.6	20.7	31.1



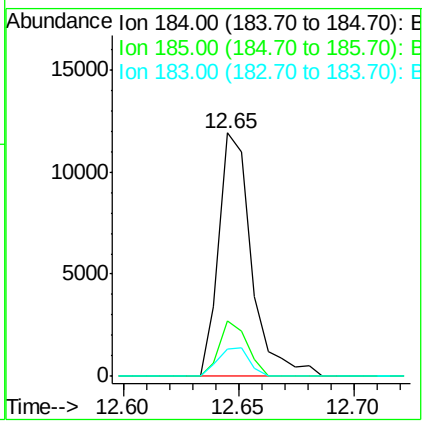


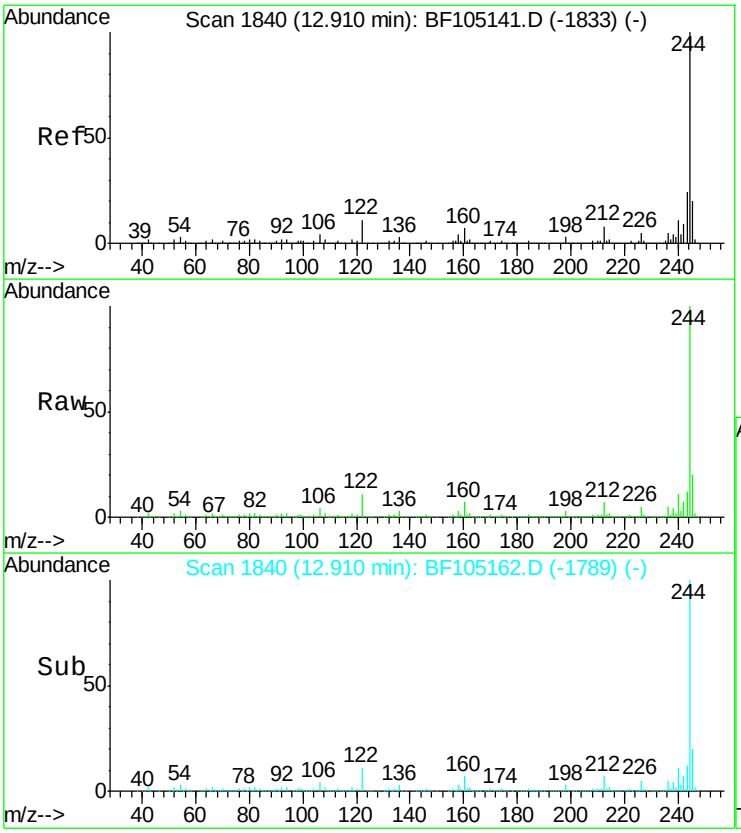
#76
Benzidine
Concen: 0.471 ng
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:184 Resp: 11754

Ion	Ratio	Lower	Upper
184	100		
185	22.7	12.6	18.8#
183	11.2	9.3	13.9

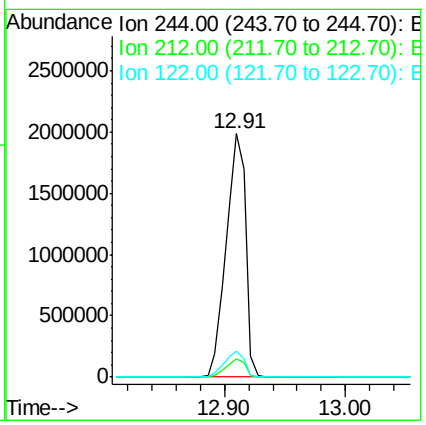


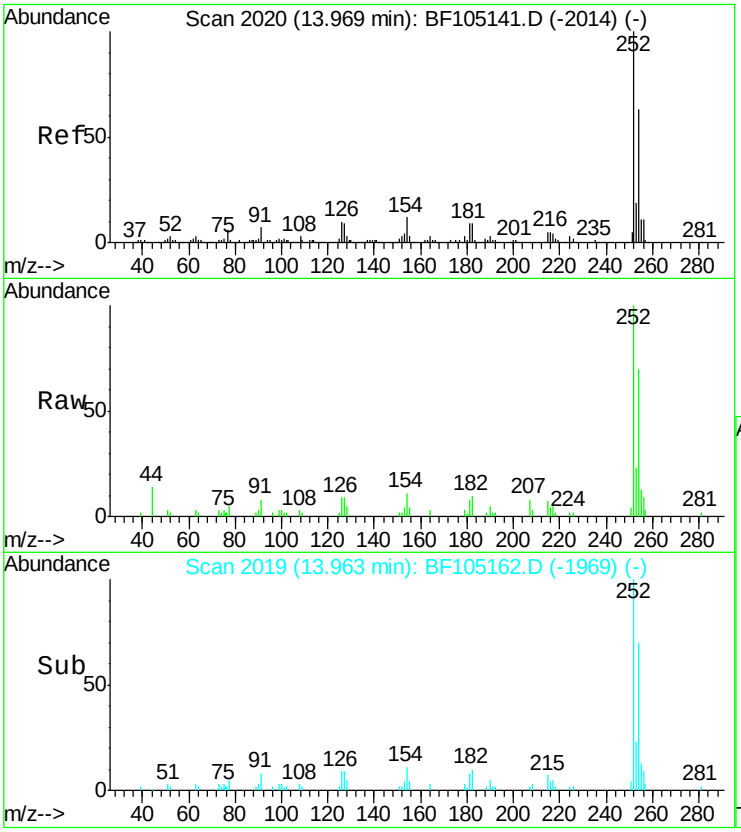


#78
Terphenyl-d14
Concen: 77.073 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:244 Resp: 2219490

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	10.6	11.0	16.4#



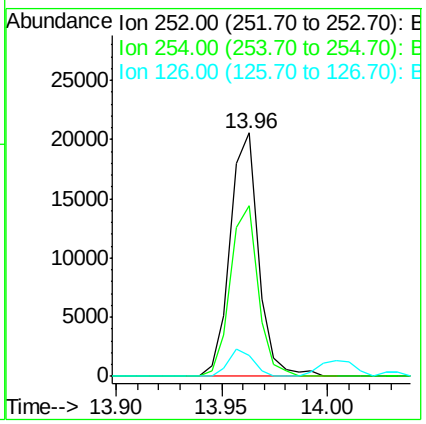


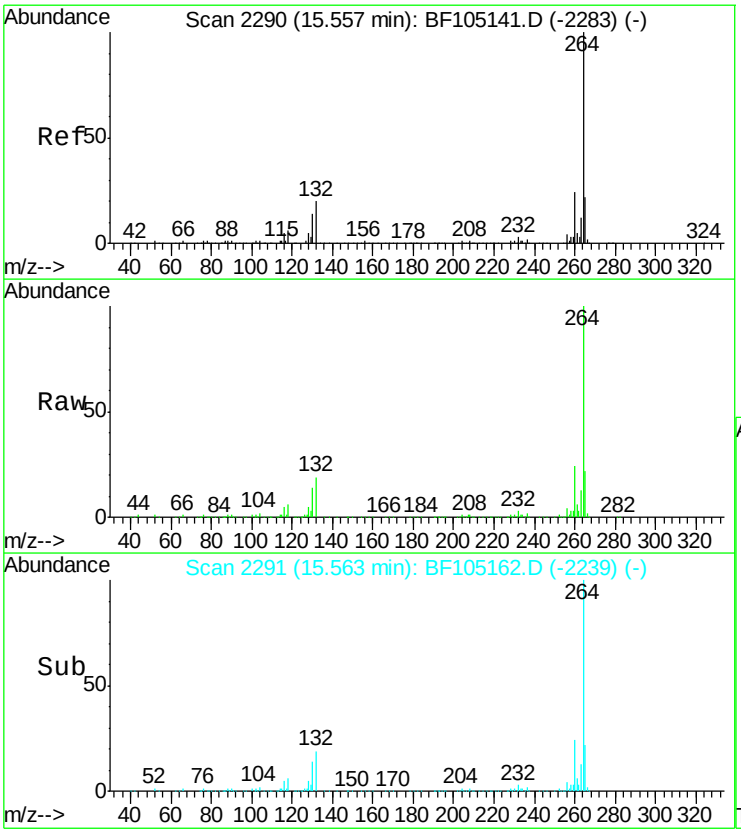
#81
3,3'-Dichlorobenzidine
Concen: 1.254 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

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

Tgt Ion:252 Resp: 19132

Ion	Ratio	Lower	Upper
252	100		
254	70.1	50.4	75.6
126	8.7	11.3	16.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF105162.D
Acq: 8 May 2018 23:25

Tgt Ion:264 Resp: 595678

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.1	17.5	26.3