Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
Data File : BF103195.D
Acq On : 23 Feb 2018 13:18
Operator : SJ/JU
Sample : J1161-07
Misc : LOD-S-2ppm
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-MDL-WATER-01-QT1-2018

Quant Time: Feb 23 16:59:18 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	182736	20.00	ng		0.00
21) Naphthalene-d8	8.15	136	807705	20.00	ng		0.00
38) Acenaphthene-d10	9.91	164	375316	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	646600	20.00	ng		0.00
75) Chrysene-d12	14.04	240	476057	20.00	ng		0.00
86) Perylene-d12	15.54	264	460859	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	1322490	109.46	ng		0.00
7) Phenol-d6	6.50	99	1634344	110.54	ng		0.00
23) Nitrobenzene-d5	7.44	82	1222419	86.43	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	368061	115.86	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	1825930	83.43	ng		0.00
78) Terphenyl-d14	12.99	244	1458220	73.63	ng		0.00
Target Compounds							Qvalue
17) 2-Methylphenol	7.12	107	24528	2.150	ng		93
19) n-Nitroso-di-n-propylamine	7.27	70	23860	2.593	ng		95
20) 3+4-Methylphenols	7.28	107	32917	2.367	ng	#	60
22) Acetophenone	7.27	105	45677	2.423	ng	#	92
25) Isophorone	7.69	82	59363	2.131	ng	#	94
26) 2-Nitrophenol	7.77	139	13010	1.775	ng		95
27) 2,4-Dimethylphenol	7.80	122	21562	1.924	ng		94
28) bis(2-Chloroethoxy)methane	7.90	93	35050	2.140	ng		99
29) 2,4-Dichlorophenol	8.02	162	20549	1.915	ng		94
30) 1,2,4-Trichlorobenzene	8.09	180	25035	2.191	ng		96
36) 4-Chloro-3-methylphenol	8.70	107	25176	2.081	ng		94
42) 2,4,6-Trichlorophenol	9.15	196	13486	1.953	ng		94
43) 2,4,5-Trichlorophenol	9.19	196	15229	1.918	ng		94
56) 2,4-Dinitrotoluene	10.10	165	15044	1.883	ng	#	91
60) 4-Chlorophenyl-phenylether	10.45	204	26258	2.372	ng		96
61) 4-Nitroaniline	10.47	138	13635	1.703	ng		99
76) Benzidine	12.73	184	17367	0.976	ng	#	91
81) 3,3'-Dichlorobenzidine	14.00	252	21957	1.992	ng		98

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

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LOD-MDL-WATER-01-QT1-2018

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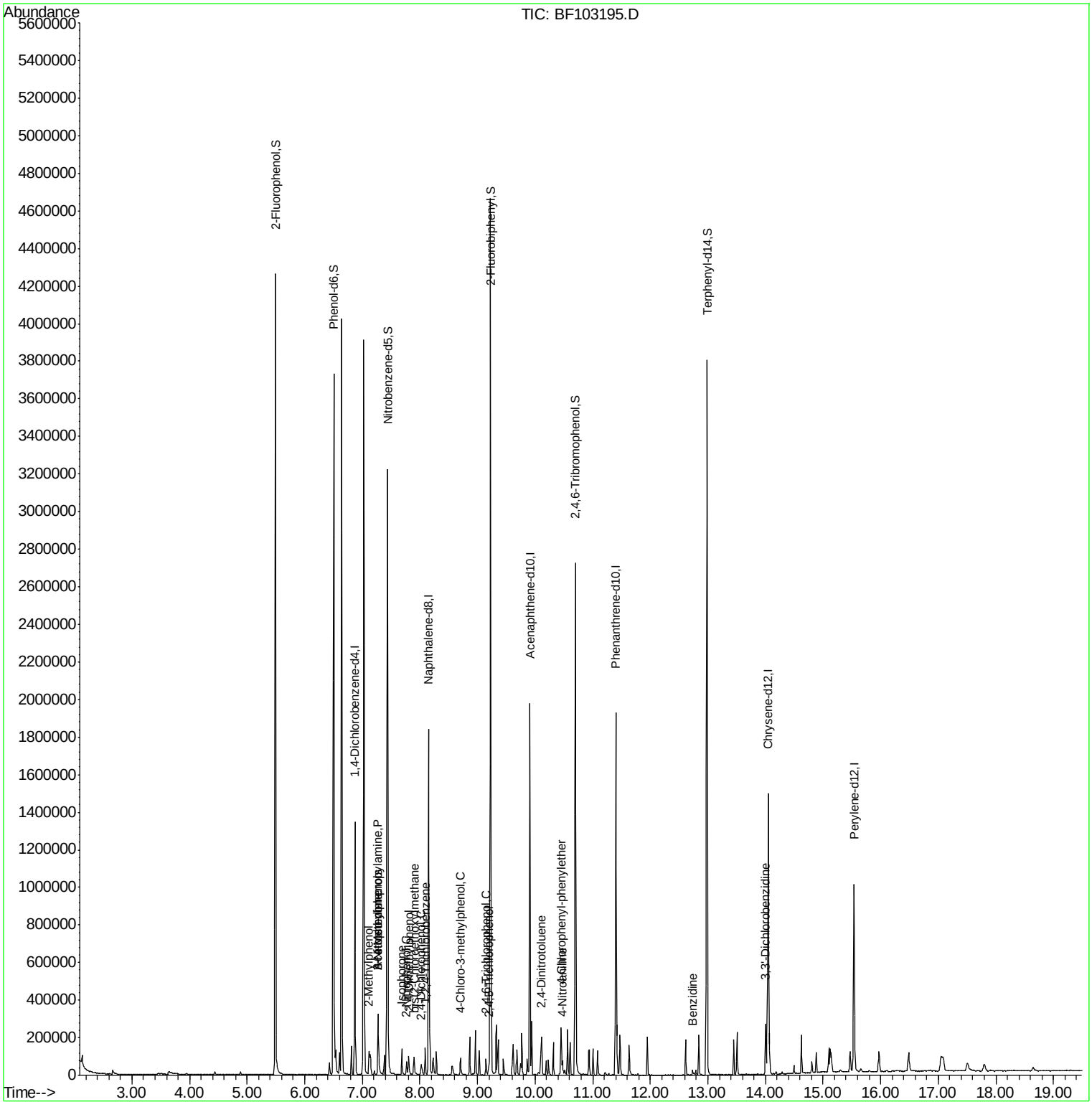
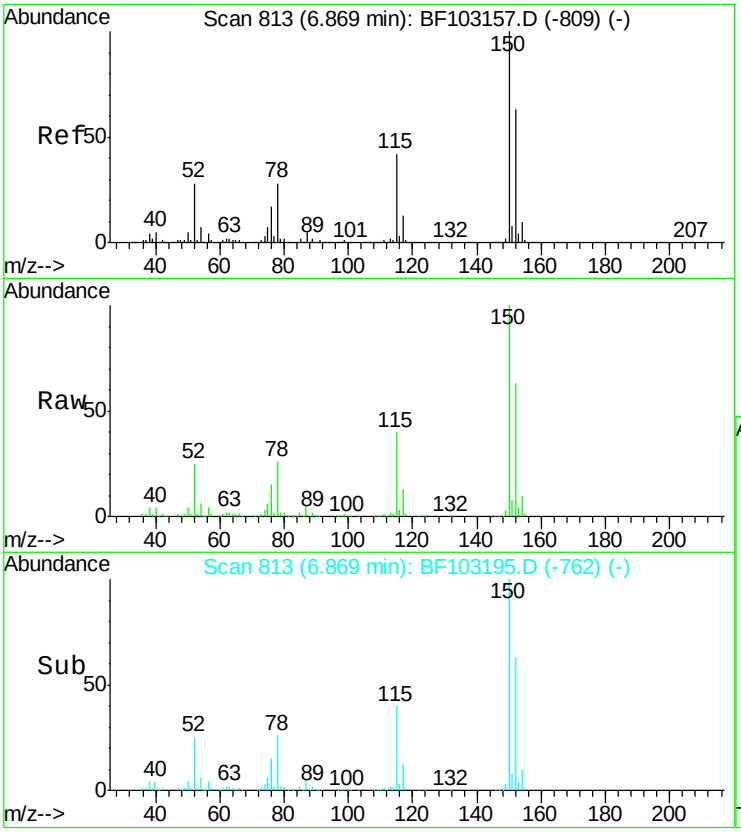


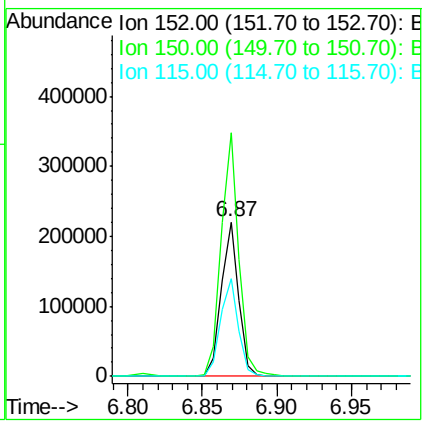


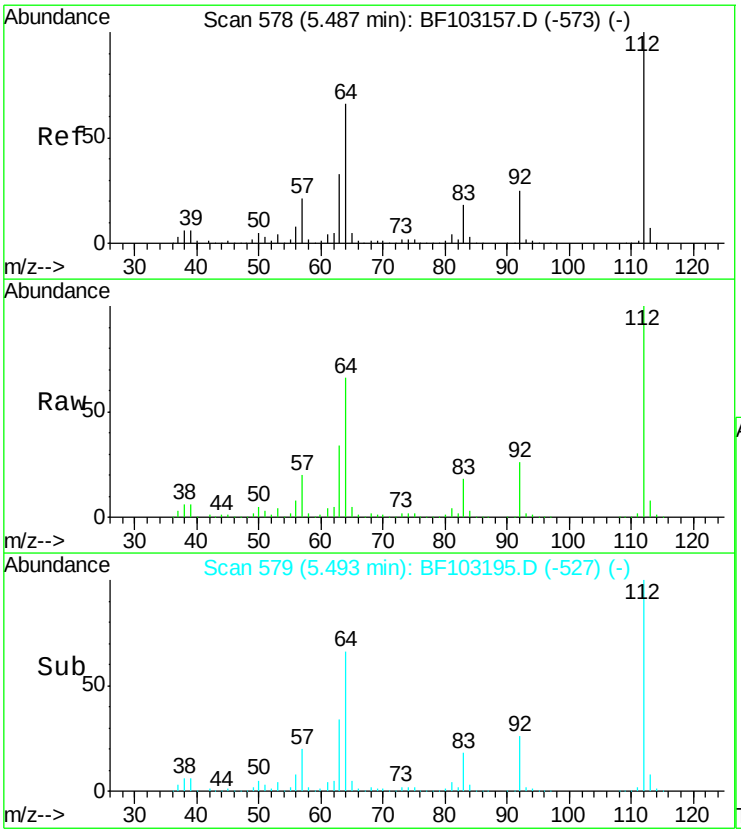
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:152 Resp: 182736

Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	63.5	50.1	75.1

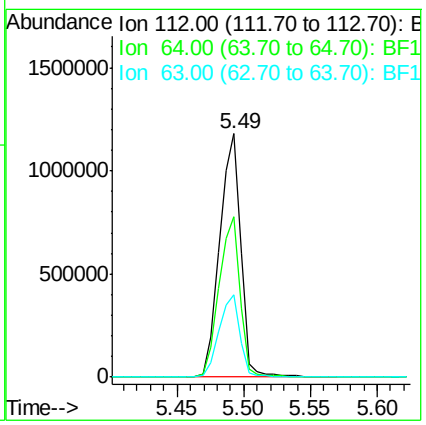


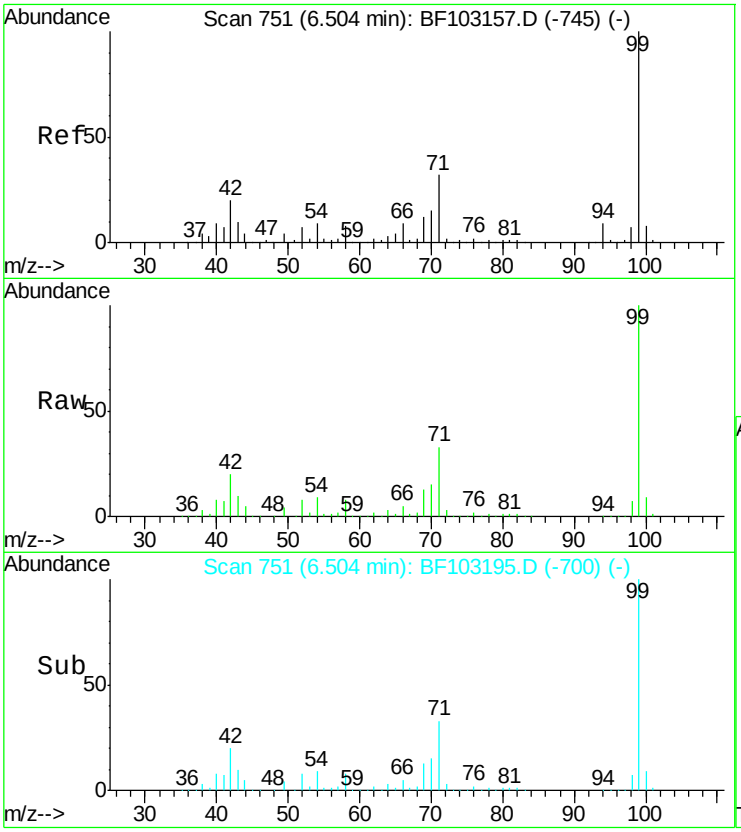


#5
2-Fluorophenol
Concen: 109.457 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:112 Resp: 1322490

Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	34.0	23.7	35.5



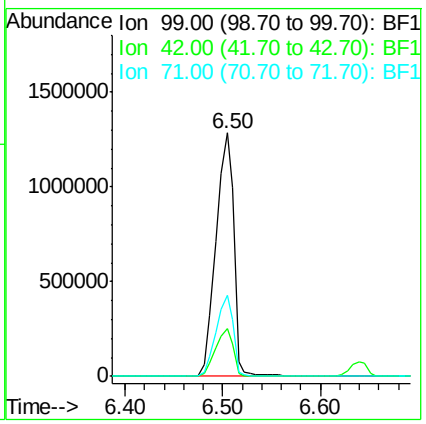


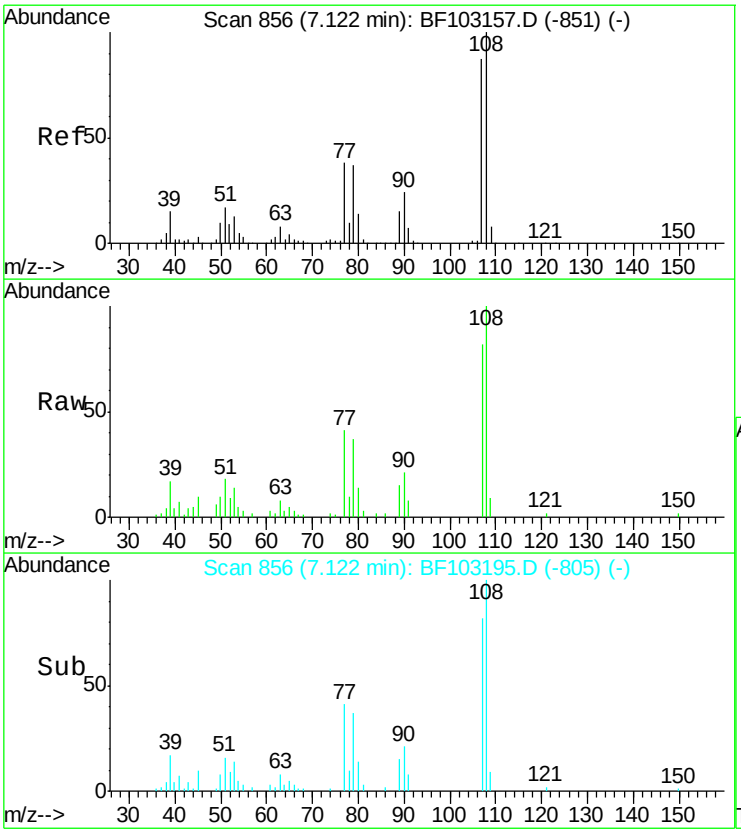
#7
Phenol-d6
Concen: 110.544 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion: 99 Resp: 1634344

Ion	Ratio	Lower	Upper
99	100		
42	19.7	14.5	21.7
71	33.1	25.4	38.0

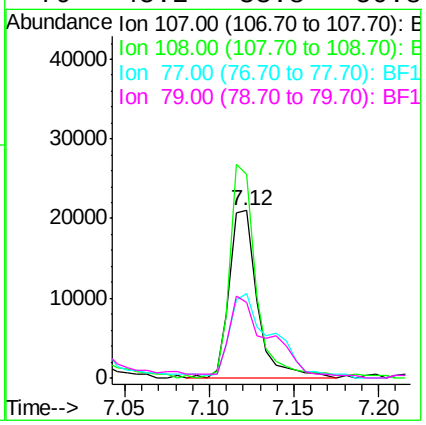


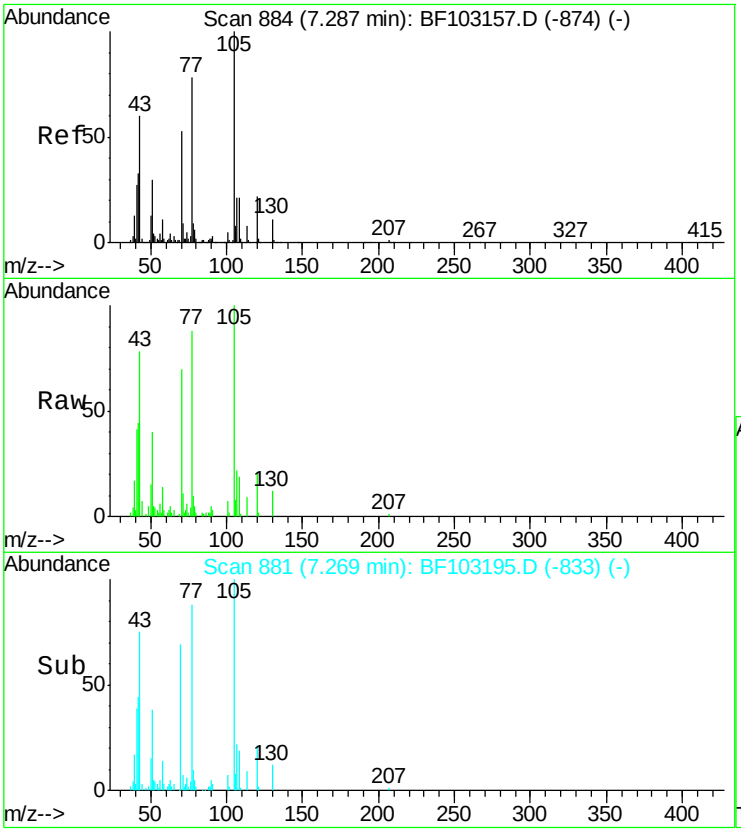


#17
2-Methylphenol
Concen: 2.150 ng
RT: 7.12 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:107 Resp: 24528

Ion	Ratio	Lower	Upper
107	100		
108	121.3	91.7	137.5
77	50.1	33.8	50.8
79	45.2	33.8	50.8



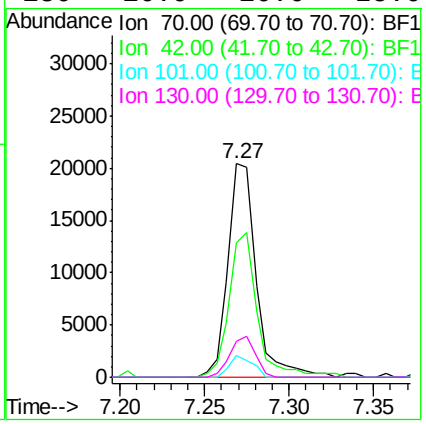


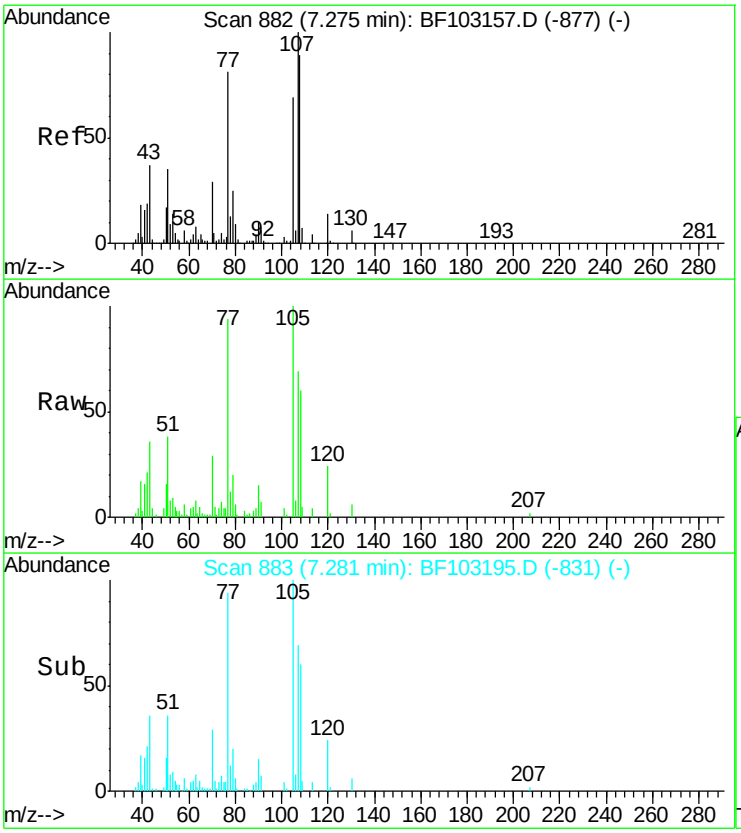
#19
n-Nitroso-di-n-propylamine
Concen: 2.593 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion: 70 Resp: 23860

Ion	Ratio	Lower	Upper
70	100		
42	63.1	47.5	71.3
101	10.3	7.4	11.2
130	16.9	16.6	25.0

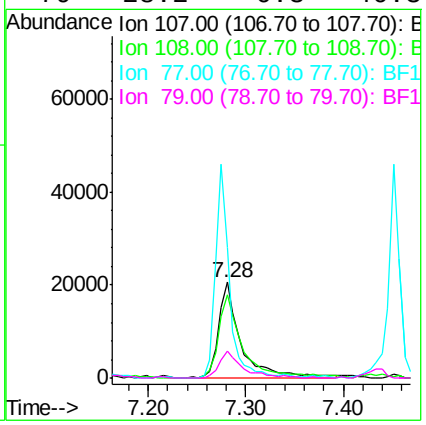


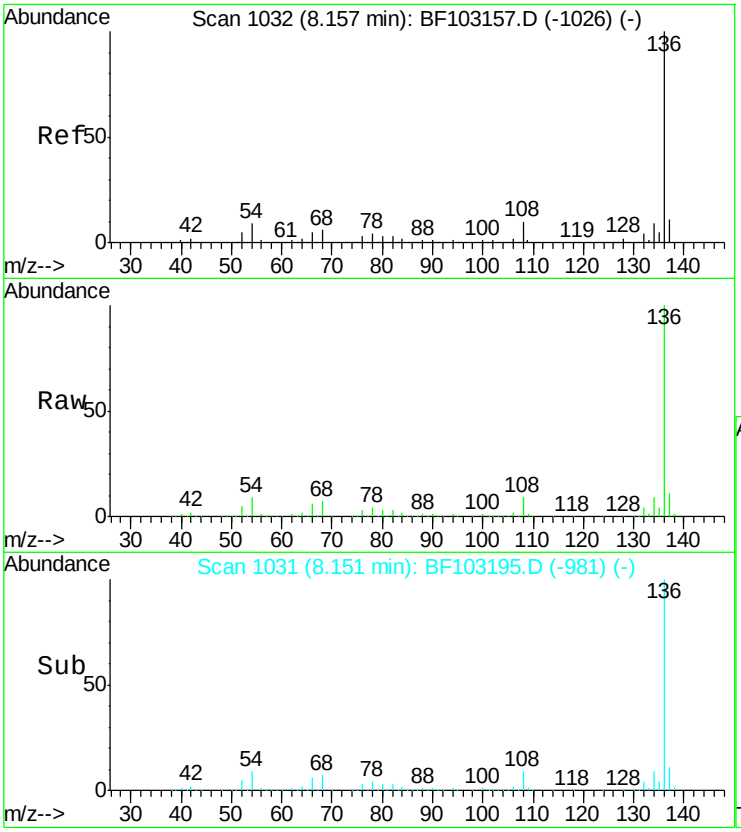


#20
3+4-Methylphenols
Concen: 2.367 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:107 Resp: 32917

Ion	Ratio	Lower	Upper
107	100		
108	87.2	68.2	108.2
77	135.9	26.7	66.7#
79	28.2	6.3	46.3



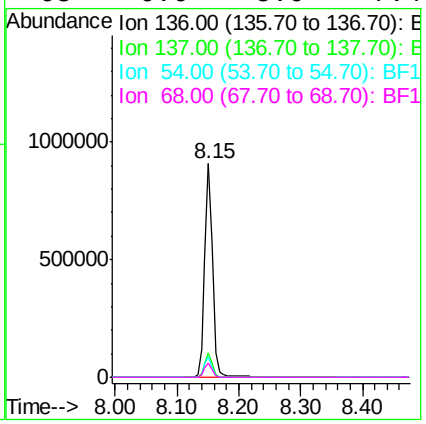


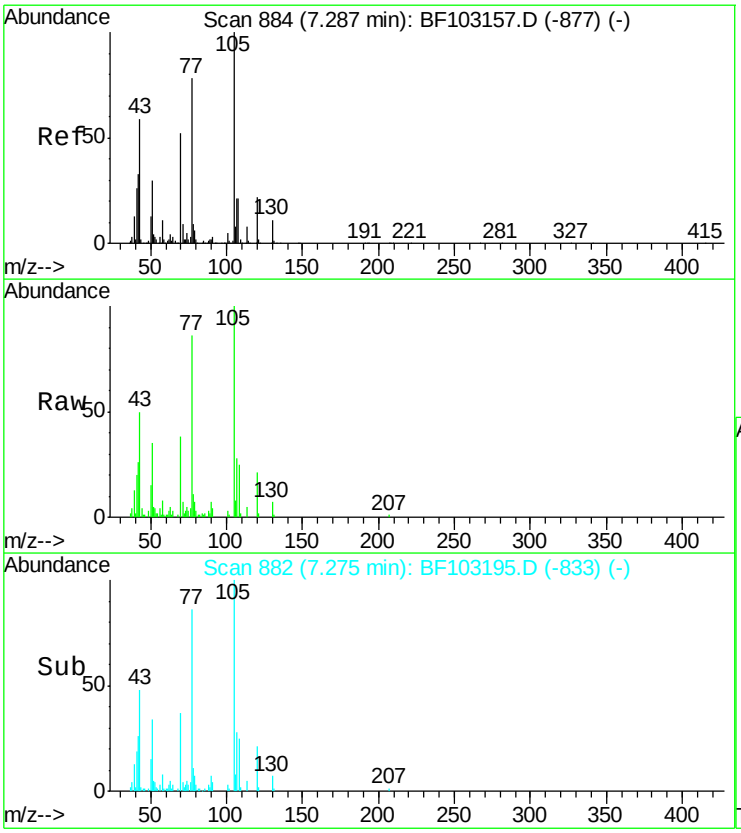
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:136 Resp: 807705

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.5	6.6	9.8
68	6.6	5.0	7.4

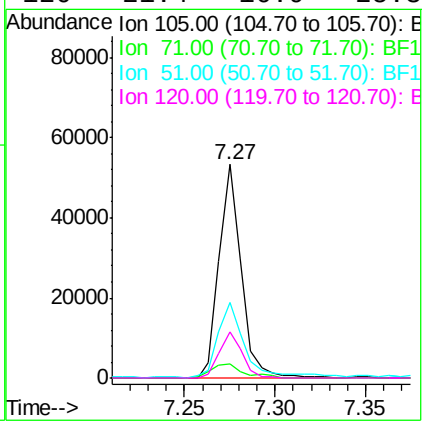


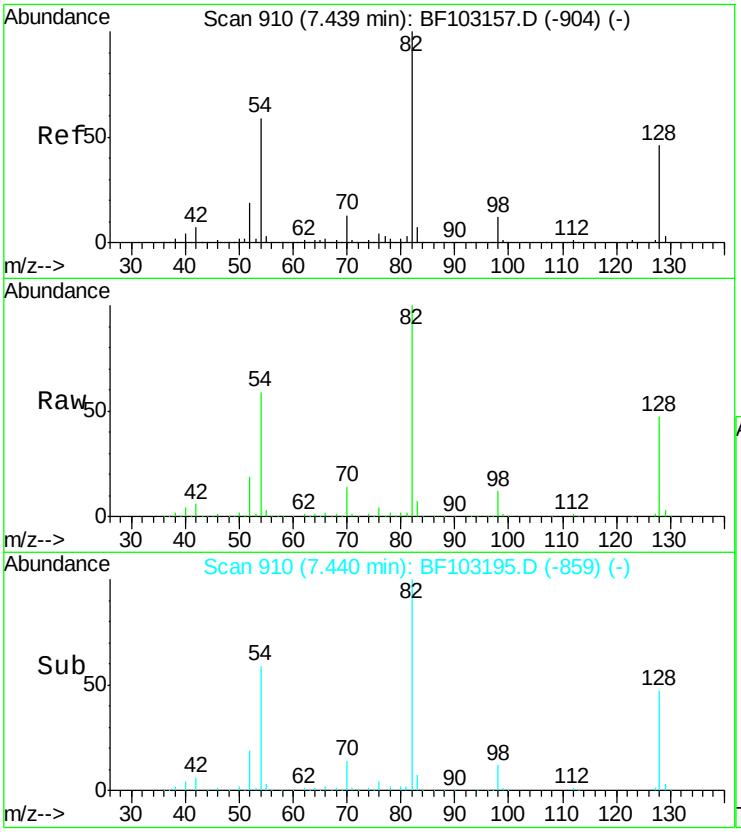


#22
Acetophenone
Concen: 2.423 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:105 Resp: 45677

Ion	Ratio	Lower	Upper
105	100		
71	6.8	4.4	6.6#
51	35.1	22.3	33.5#
120	21.4	16.9	25.3



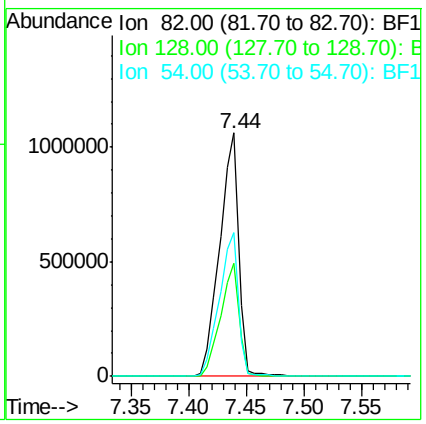


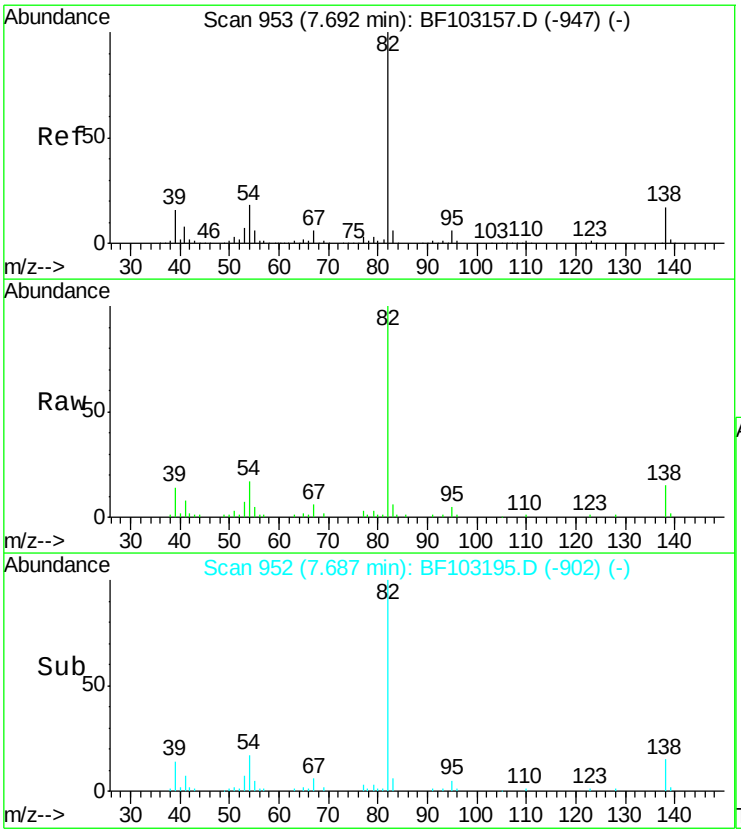
#23
Nitrobenzene-d5
Concen: 86.431 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion: 82 Resp: 1222419

Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	58.8	41.4	62.2

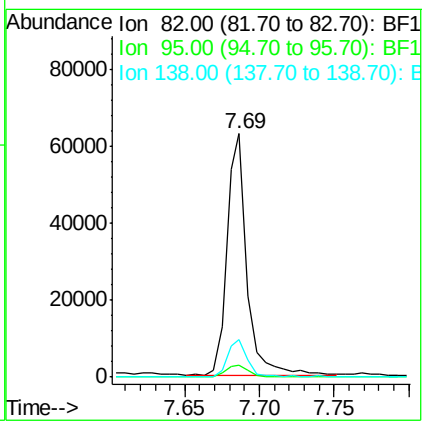


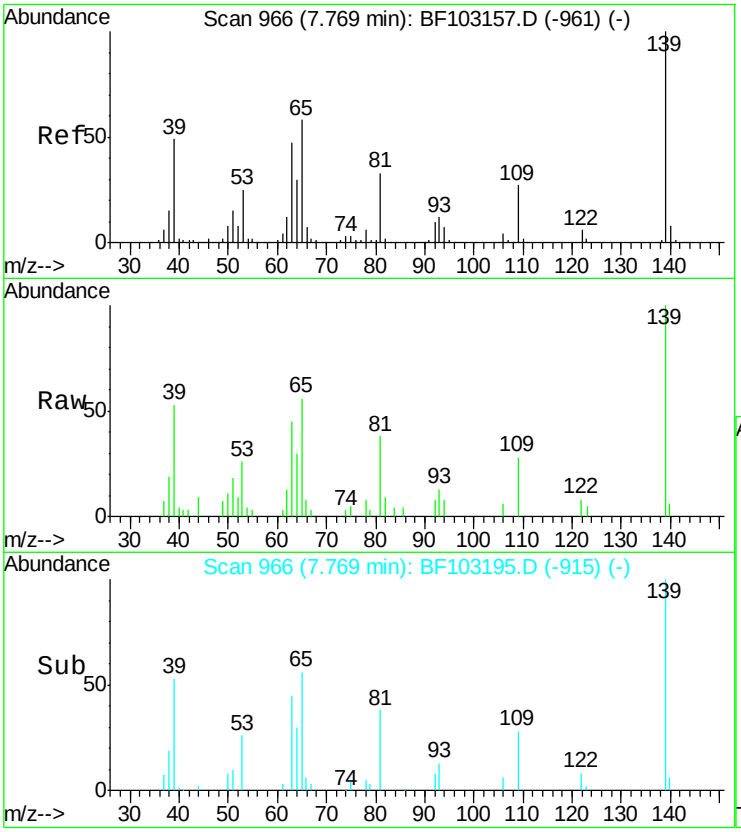


#25
Isophorone
Concen: 2.131 ng
RT: 7.69 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion: 82 Resp: 59363

Ion	Ratio	Lower	Upper
82	100		
95	5.1	5.2	7.8#
138	15.5	14.9	22.3



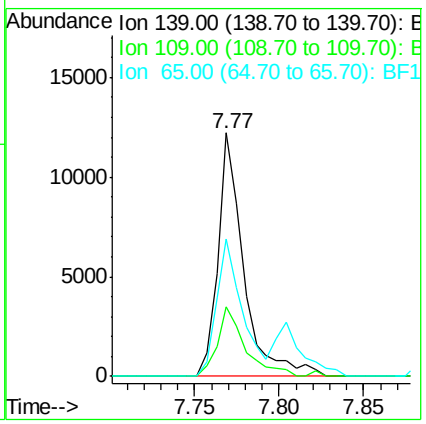


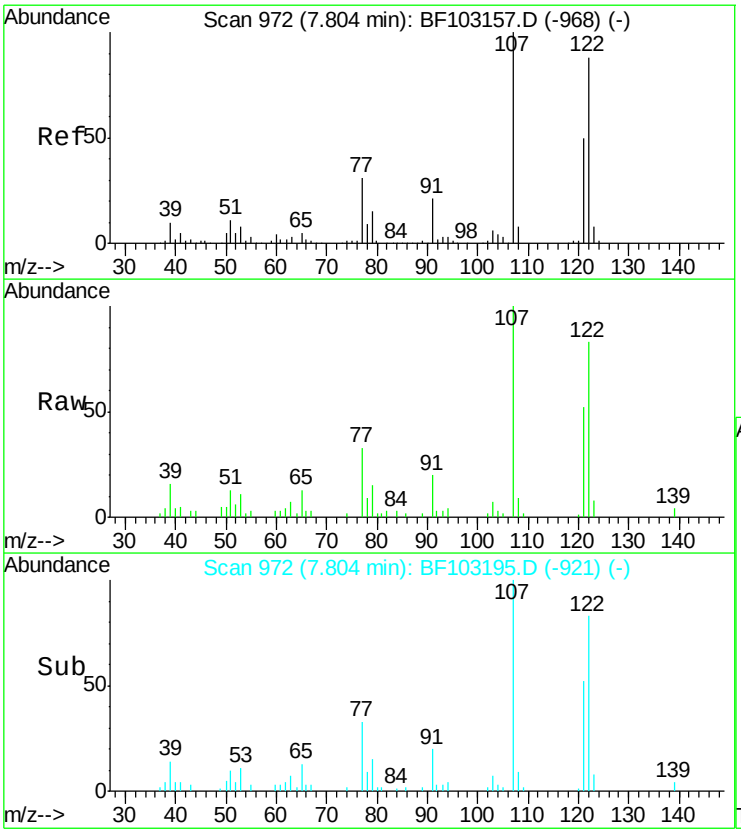
#26
2-Nitrophenol
Concen: 1.775 ng
RT: 7.77 min Scan# 966
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:139 Resp: 13010

Ion	Ratio	Lower	Upper
139	100		
109	28.4	22.7	34.1
65	56.4	40.5	60.7

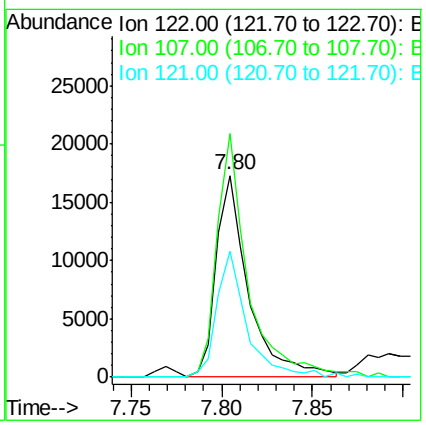


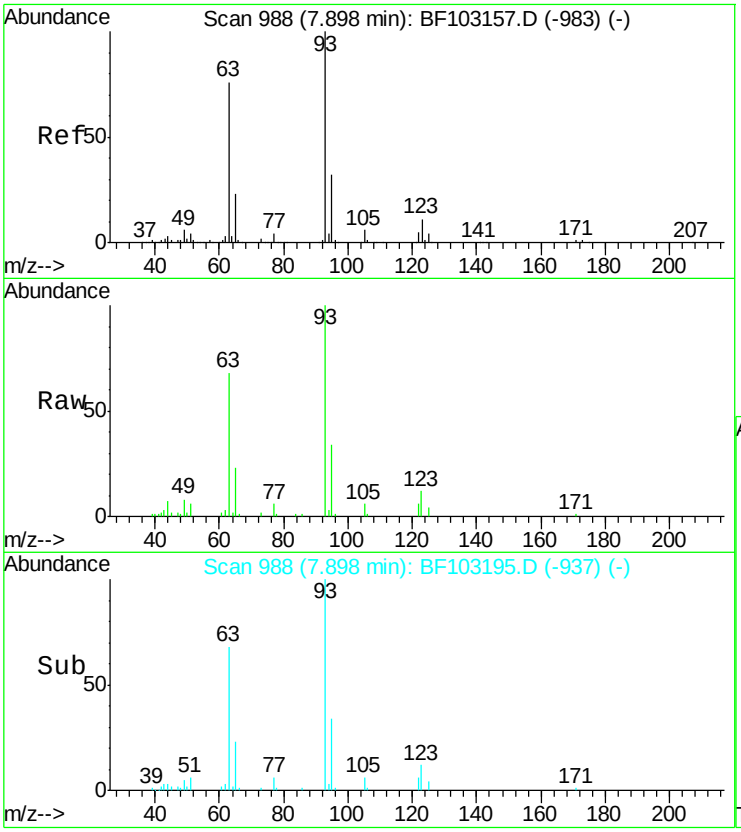


#27
2,4-Dimethylphenol
Concen: 1.924 ng
RT: 7.80 min Scan# 972
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:122 Resp: 21562

Ion	Ratio	Lower	Upper
122	100		
107	120.8	91.2	136.8
121	62.4	47.2	70.8



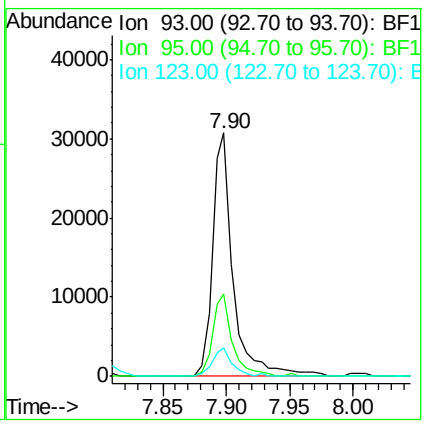


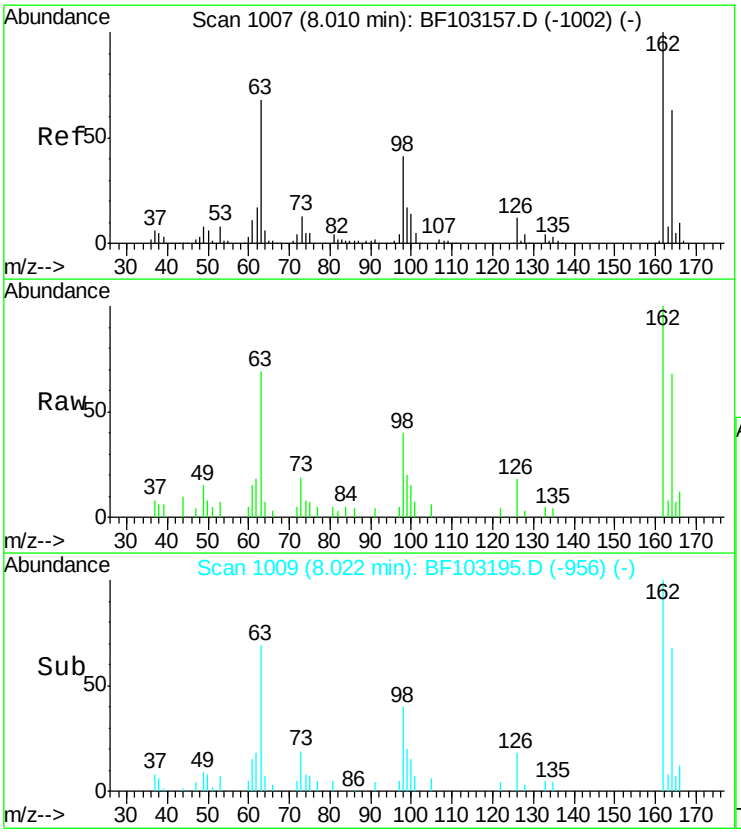
#28
bis(2-Chloroethoxy)methane
Concen: 2.140 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion: 93 Resp: 35050

Ion	Ratio	Lower	Upper
93	100		
95	33.6	26.3	39.5
123	11.5	9.8	14.6

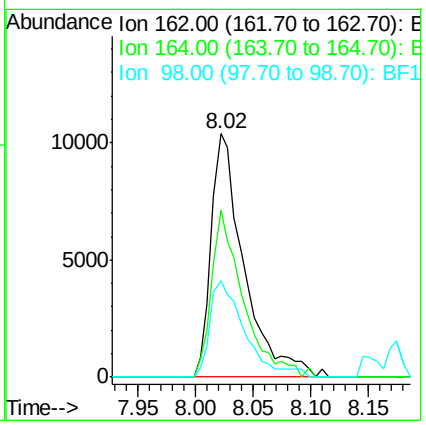


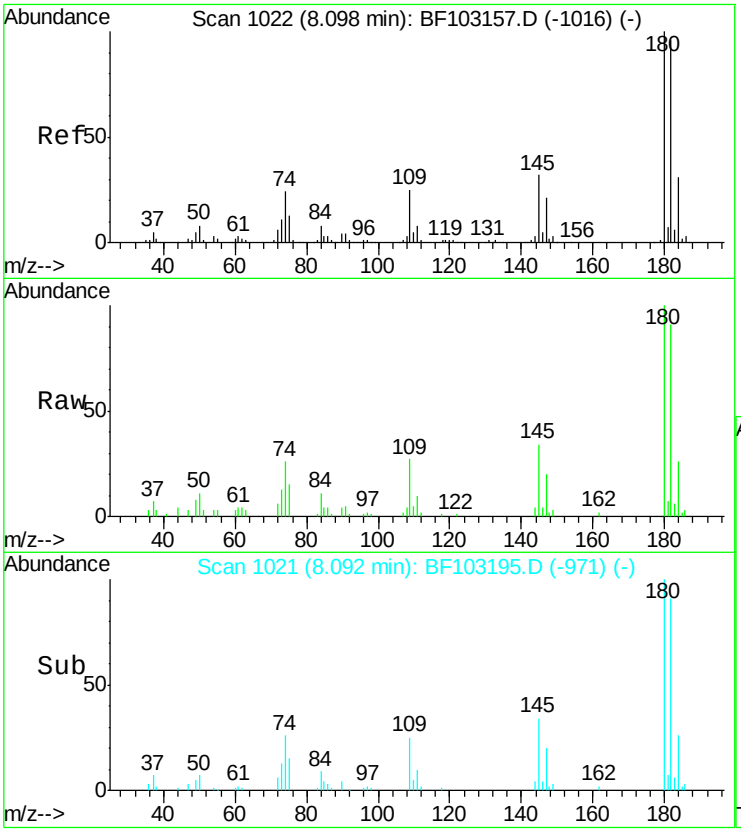


#29
2,4-Dichlorophenol
Concen: 1.915 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:162 Resp: 20549

Ion	Ratio	Lower	Upper
162	100		
164	68.5	42.7	82.7
98	39.8	18.1	58.1



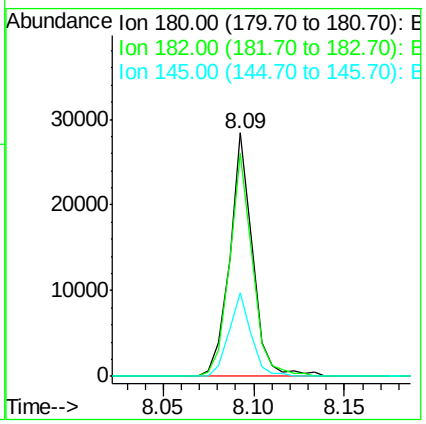


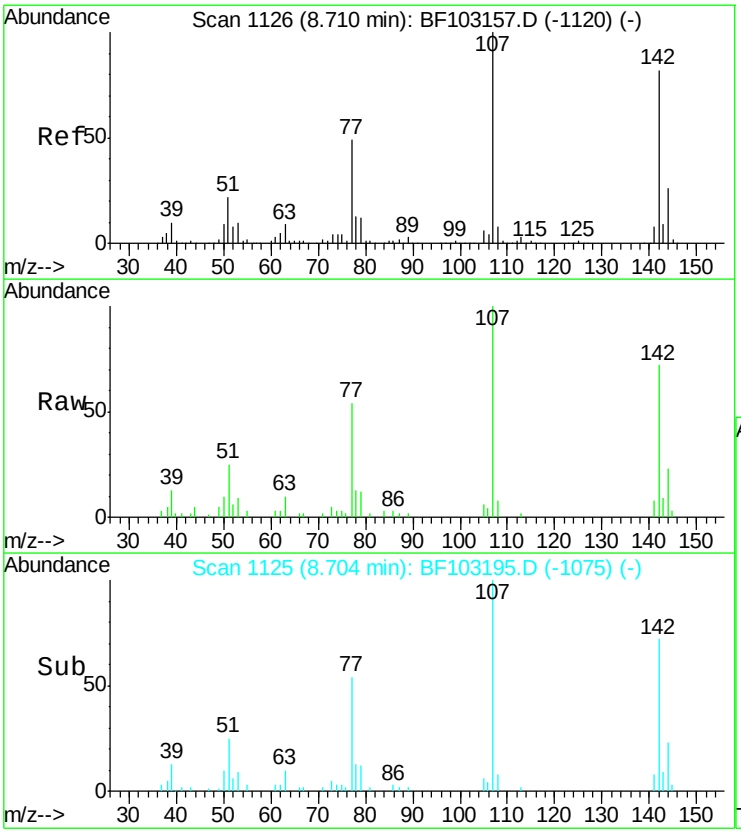
#30
1,2,4-Trichlorobenzene
Concen: 2.191 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:180 Resp: 25035

Ion	Ratio	Lower	Upper
180	100		
182	91.4	76.8	115.2
145	34.4	26.5	39.7

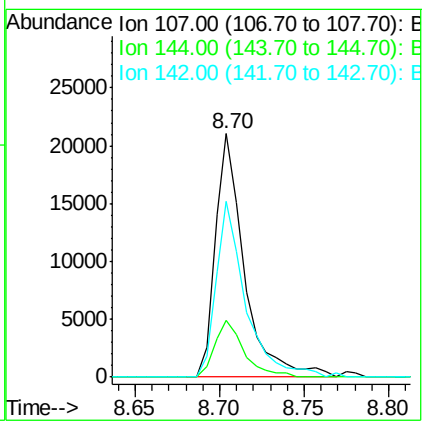


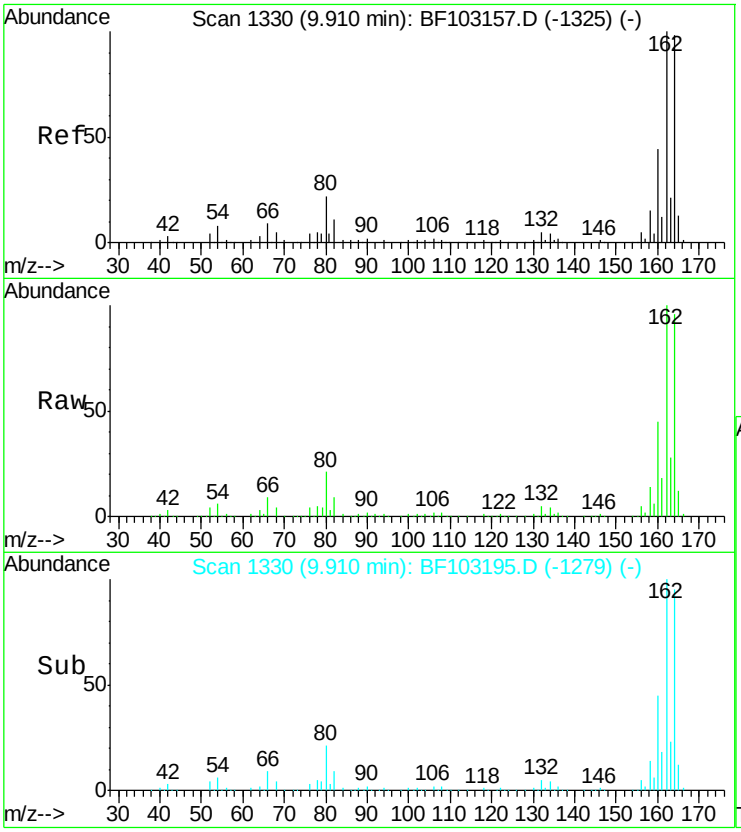


#36
4-Chloro-3-methylphenol
Concen: 2.081 ng
RT: 8.70 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:107 Resp: 25176

Ion	Ratio	Lower	Upper
107	100		
144	23.3	20.5	30.7
142	72.3	62.0	93.0



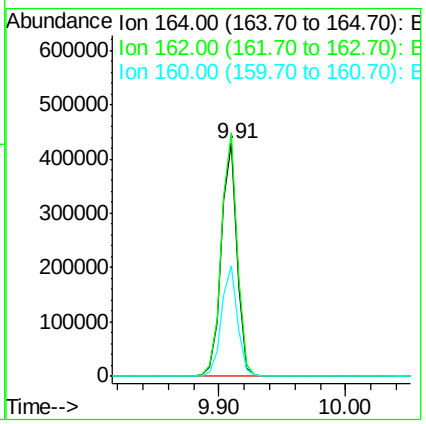


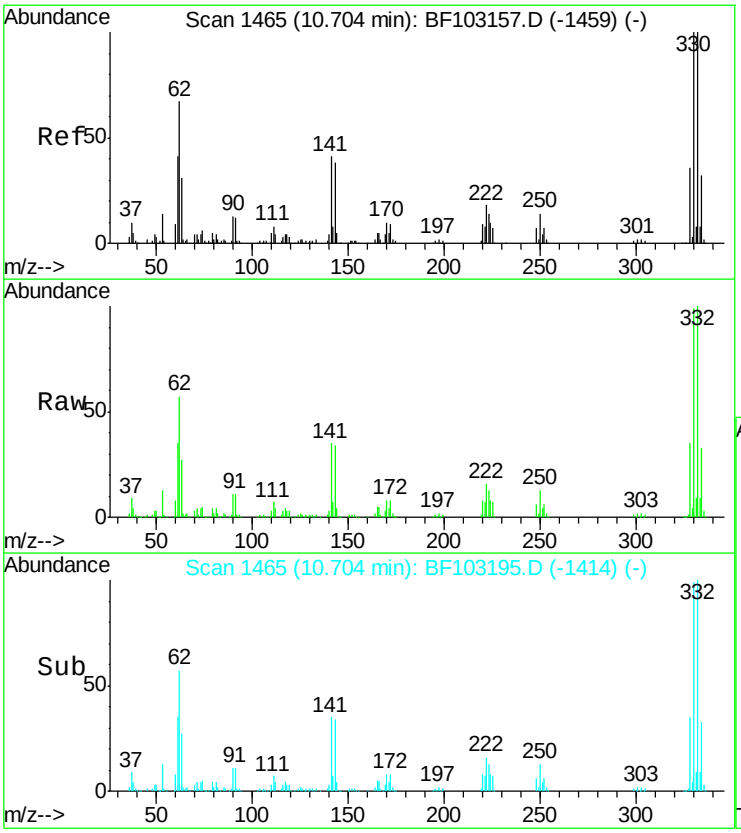
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:164 Resp: 375316

Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	47.2	38.3	57.5

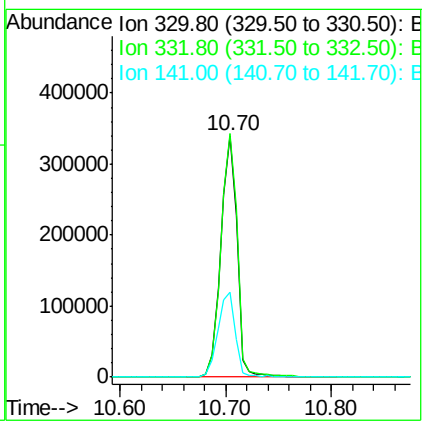


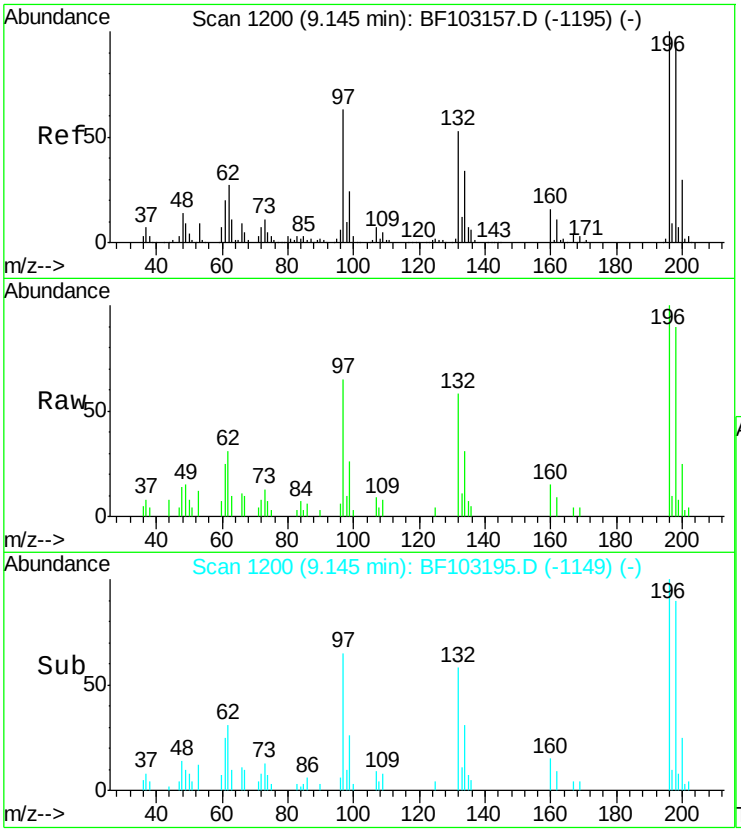


#41
2,4,6-Tribromophenol
Concen: 115.857 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:330 Resp: 368061

Ion	Ratio	Lower	Upper
330	100		
332	101.3	77.0	115.6
141	38.4	29.9	44.9



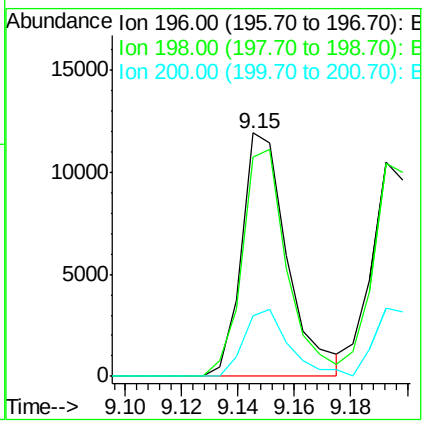


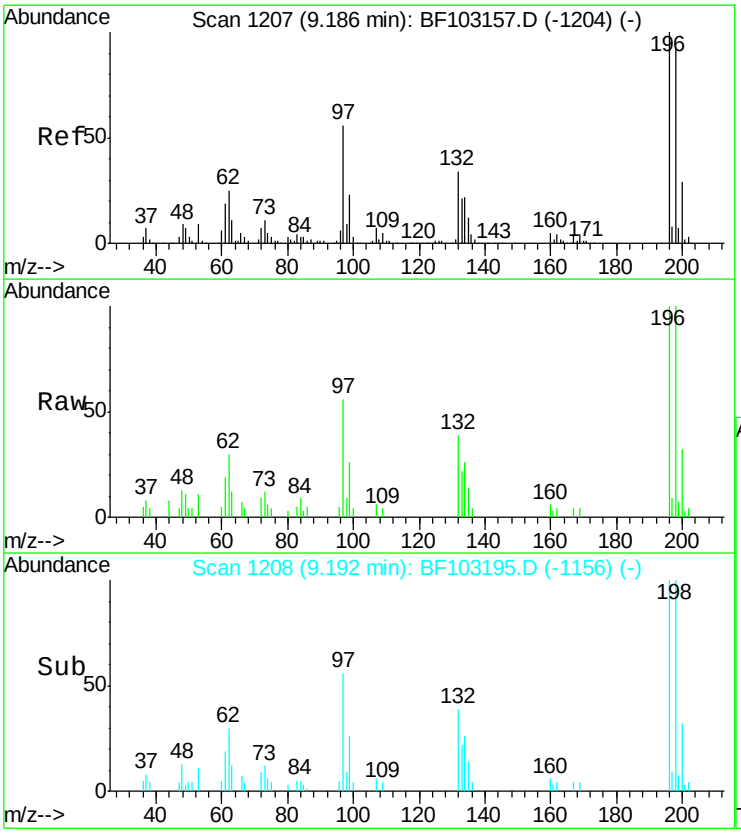
#42
2,4,6-Trichlorophenol
Concen: 1.953 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:196 Resp: 13486

Ion	Ratio	Lower	Upper
196	100		
198	90.1	75.7	113.5
200	24.7	24.5	36.7

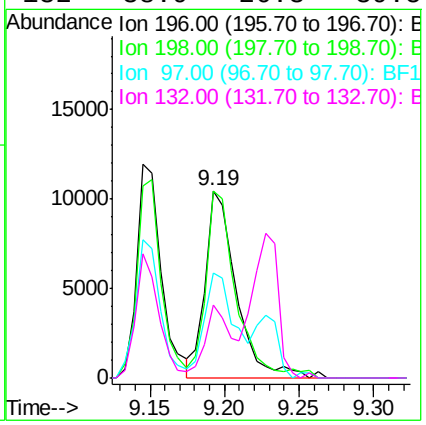


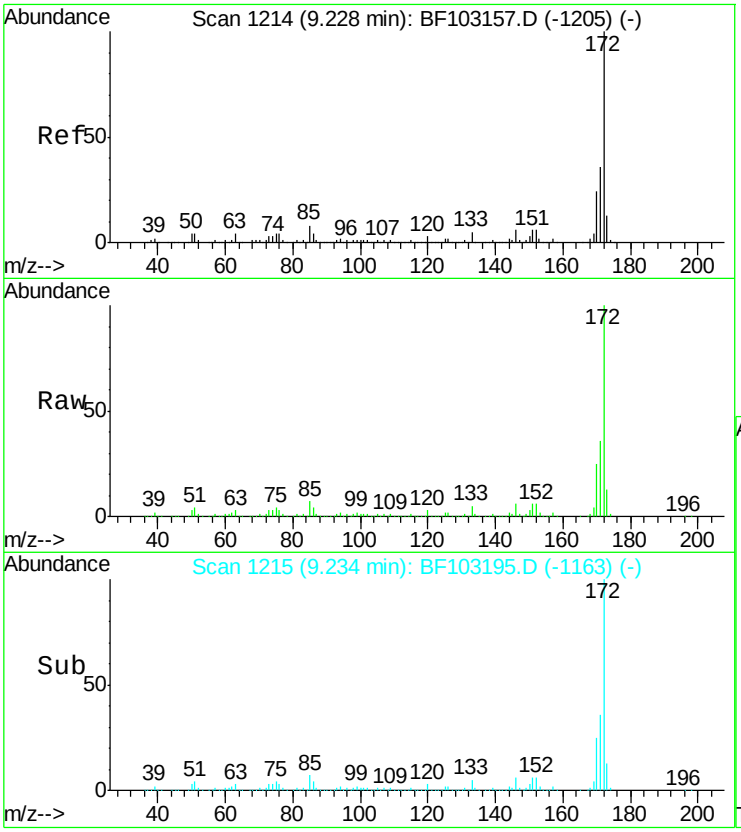


#43
2,4,5-Trichlorophenol
Concen: 1.918 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:196 Resp: 15229

Ion	Ratio	Lower	Upper
196	100		
198	99.6	74.6	112.0
97	56.0	42.9	64.3
132	38.9	26.3	39.5



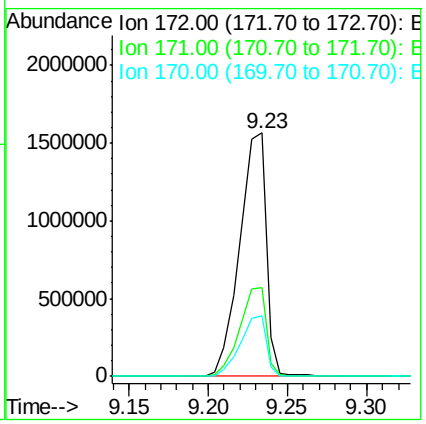


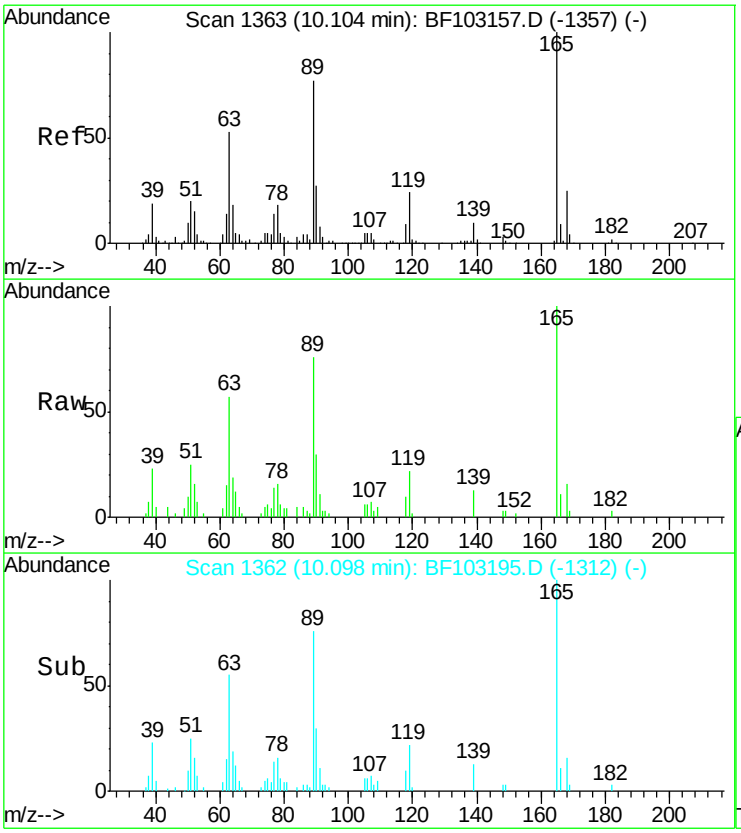
#44
2-Fluorobiphenyl
Concen: 83.428 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:172 Resp: 1825930

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.8	19.6	29.4

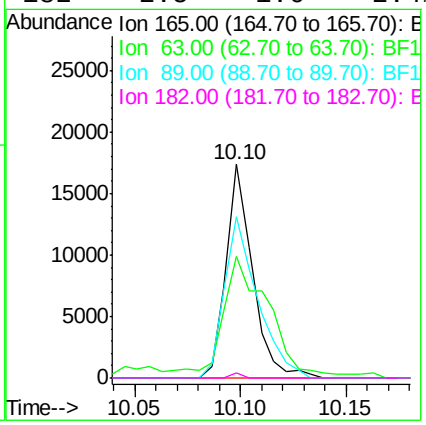


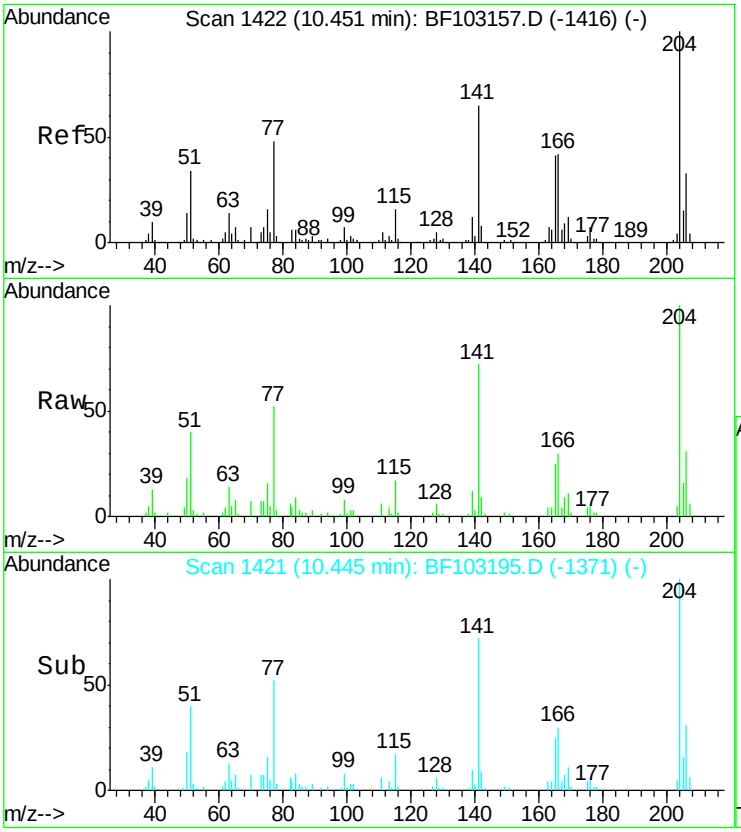


#56
2,4-Dinitrotoluene
Concen: 1.883 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:165 Resp: 15044

Ion	Ratio	Lower	Upper
165	100		
63	57.2	36.4	54.6#
89	75.8	57.8	86.6
182	2.5	1.6	2.4#



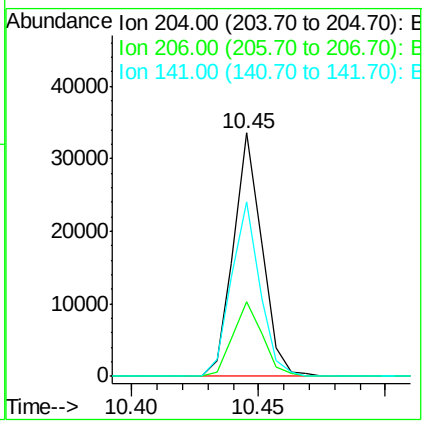


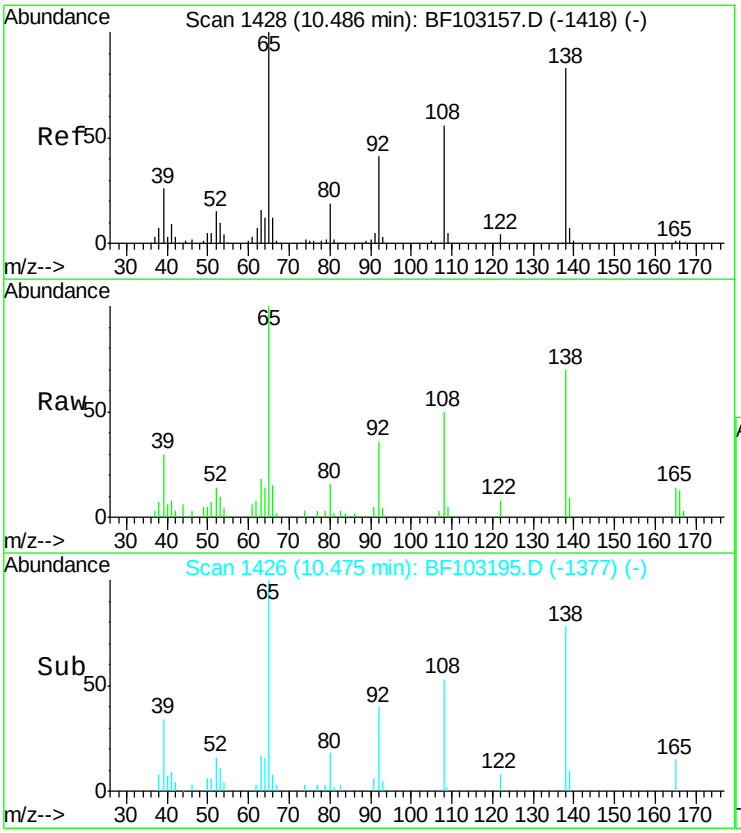
#60
4-Chlorophenyl-phenylether
Concen: 2.372 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:204 Resp: 26258

Ion	Ratio	Lower	Upper
204	100		
206	30.9	26.5	39.7
141	71.6	54.6	81.8

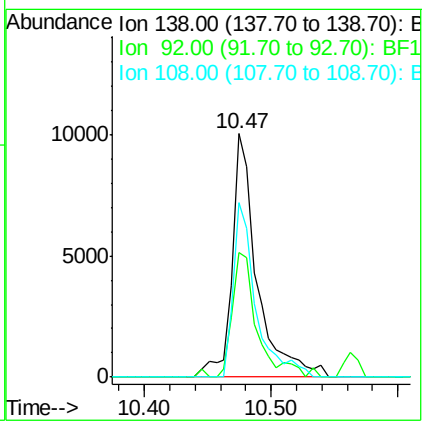


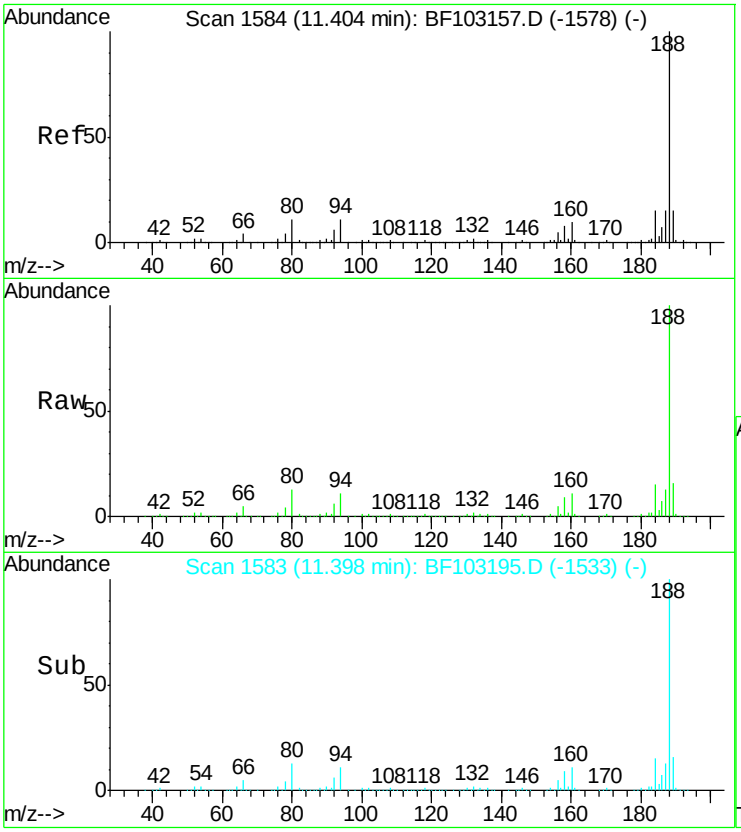


#61
4-Nitroaniline
Concen: 1.703 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:138 Resp: 13635

Ion	Ratio	Lower	Upper
138	100		
92	51.2	30.2	70.2
108	71.6	52.5	92.5



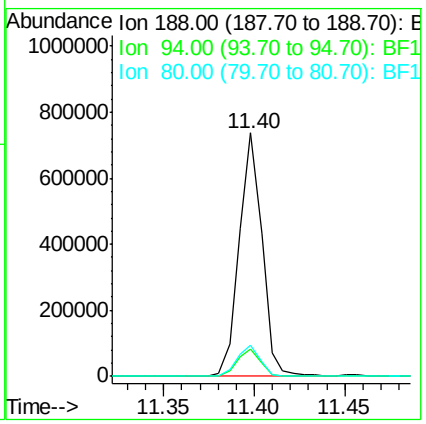


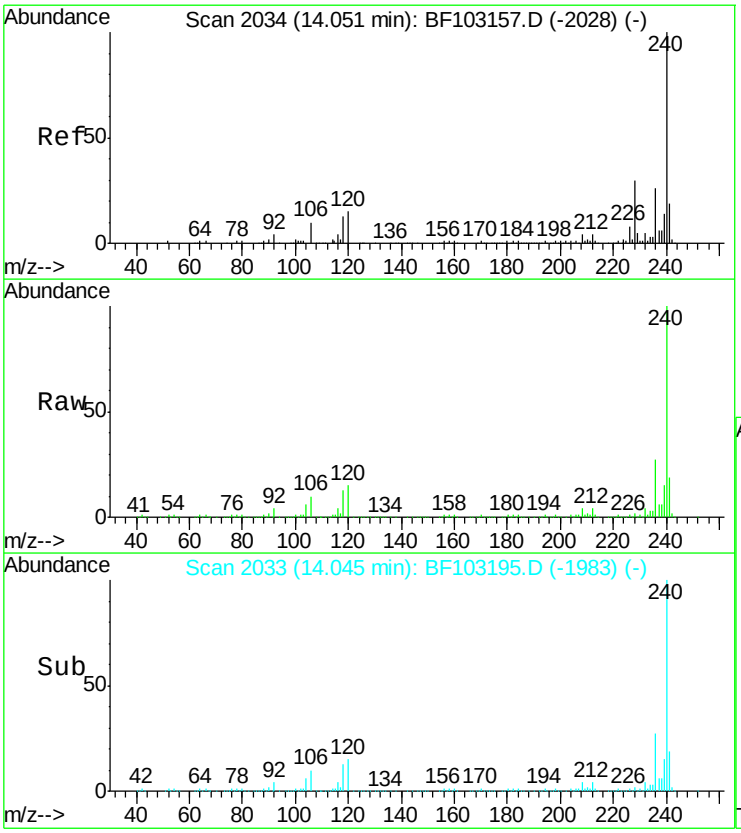
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:188 Resp: 646600

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.6	9.2	13.8

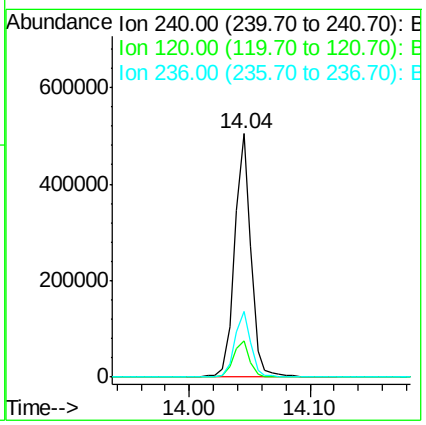


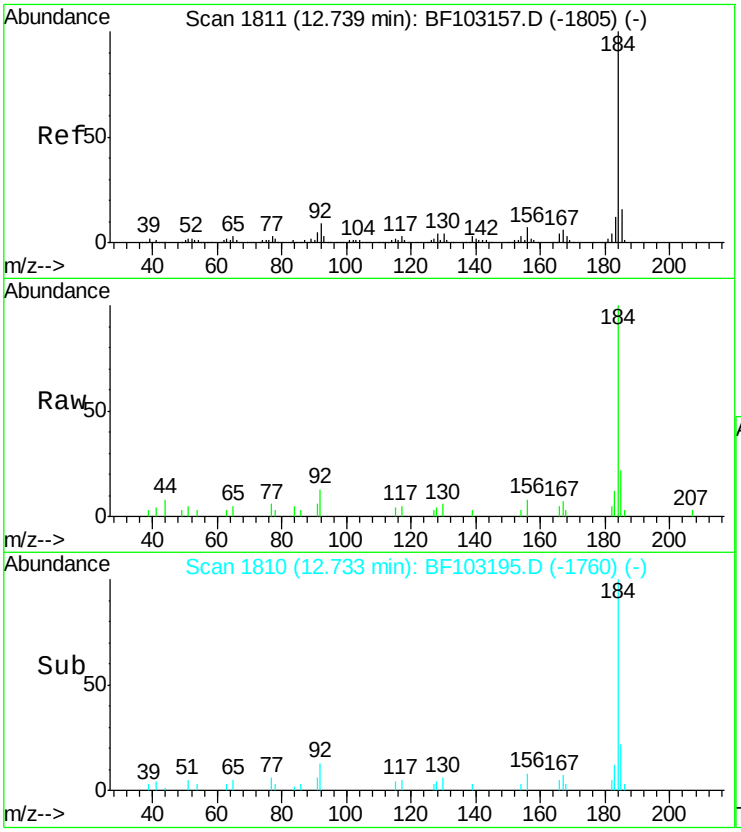


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:240 Resp: 476057

Ion	Ratio	Lower	Upper
240	100		
120	14.8	9.5	14.3#
236	26.8	20.7	31.1



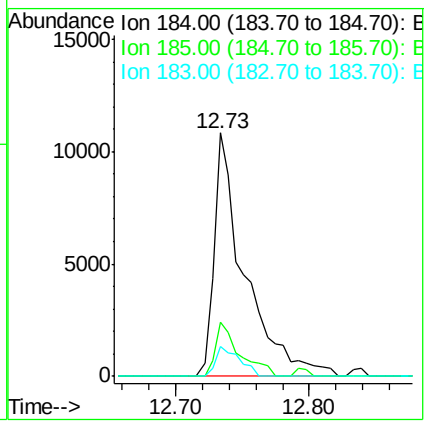


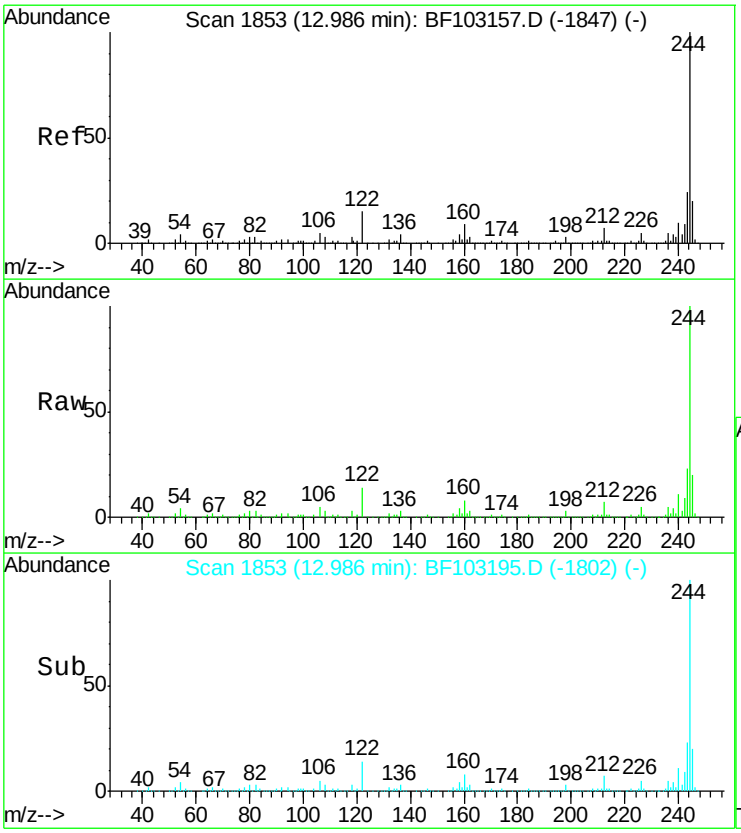
#76
Benzidine
Concen: 0.976 ng
RT: 12.73 min Scan# 1810
Delta R.T. -0.01 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:184 Resp: 17367

Ion	Ratio	Lower	Upper
184	100		
185	22.0	12.6	18.8#
183	12.3	9.3	13.9

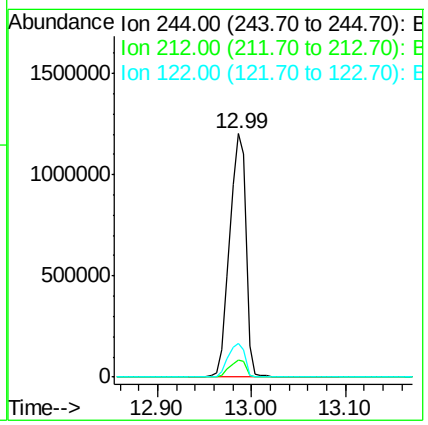


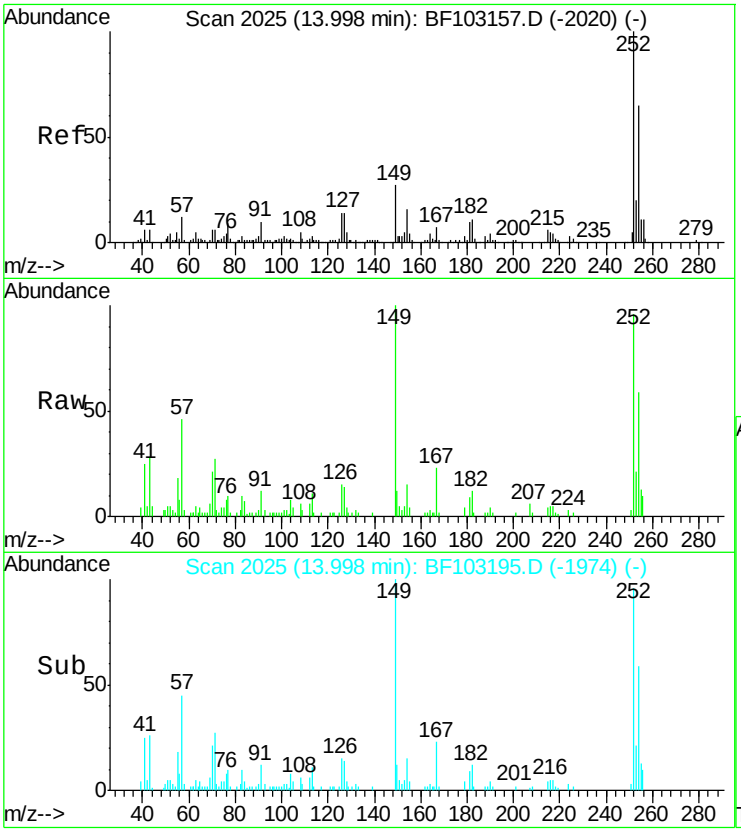


#78
Terphenyl-d14
Concen: 73.633 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:244 Resp: 1458220

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.0	11.0	16.4



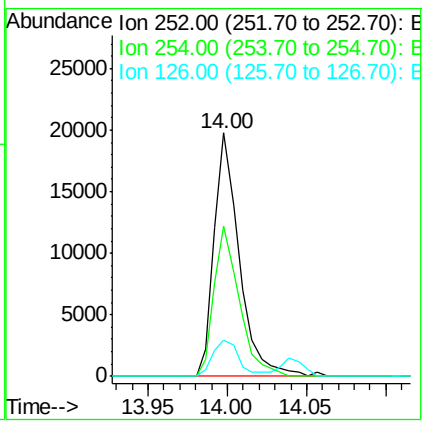


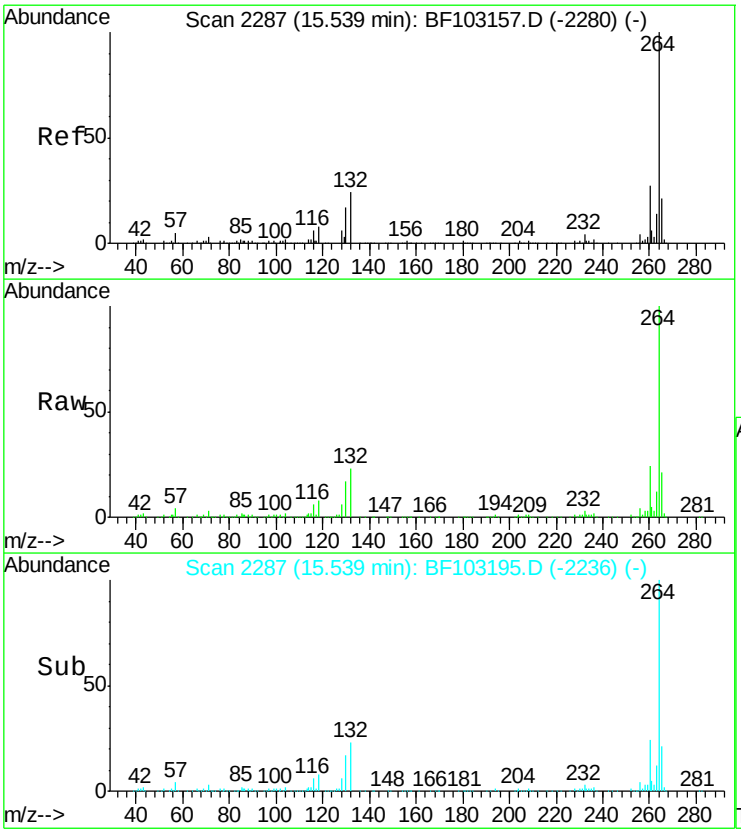
#81
3,3'-Dichlorobenzidine
Concen: 1.992 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tgt Ion:252 Resp: 21957

Ion	Ratio	Lower	Upper
252	100		
254	61.4	50.4	75.6
126	15.1	11.3	16.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.00 min
Lab File: BF103195.D
Acq: 23 Feb 2018 13:18

Tgt Ion:264 Resp: 460859

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.3	17.5	26.3