Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
Data File : BM016050.D
Acq On : 24 Jul 2018 06:03
Operator : SJ/JU
Sample : J3762-09
Misc : MDL 2 PPM
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-WATER-03-QT3-2018

Quant Time: Jul 24 09:32:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 16:08:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	37626	20.00	ng		0.00
21) Naphthalene-d8	11.05	136	139899	20.00	ng		0.00
38) Acenaphthene-d10	14.85	164	73835	20.00	ng		0.00
63) Phenanthrene-d10	17.58	188	161564	20.00	ng		0.00
75) Chrysene-d12	21.70	240	176432	20.00	ng		0.00
86) Perylene-d12	24.07	264	192956	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.74	112	286700	126.57	ng		0.00
7) Phenol-d6	7.38	99	357528	120.86	ng		0.00
23) Nitrobenzene-d5	9.41	82	271394	90.23	ng		0.00
41) 2,4,6-Tribromophenol	16.33	330	125209	133.70	ng		0.00
44) 2-Fluorobiphenyl	13.47	172	546322	90.03	ng		0.00
78) Terphenyl-d14	20.15	244	1054798	125.15	ng		0.00
Target Compounds							Qvalue
17) 2-Methylphenol	8.70	107	2919	1.444	ng	#	81
19) n-Nitroso-di-n-propylamine	9.05	70	2722	1.259	ng	#	61
20) 3+4-Methylphenols	9.05	107	2453	0.843	ng	#	81
22) Acetophenone	9.10	105	5244	1.489	ng	#	84
25) Isophorone	9.99	82	7588	1.844	ng	#	98
26) 2-Nitrophenol	10.22	139	861	0.681	ng	#	41
27) 2,4-Dimethylphenol	10.25	122	2591	1.471	ng	#	92
28) bis(2-Chloroethoxy)methane	10.47	93	4112	1.538	ng	#	89
29) 2,4-Dichlorophenol	10.76	162	2078	0.993	ng	#	72
30) 1,2,4-Trichlorobenzene	10.92	180	4525	1.780	ng		96
36) 4-Chloro-3-methylphenol	12.36	107	2409	1.047	ng	#	85
42) 2,4,6-Trichlorophenol	13.32	196	1984	1.262	ng		91
43) 2,4,5-Trichlorophenol	13.42	196	1757	1.083	ng	#	84
56) 2,4-Dinitrotoluene	15.26	165	1912	1.029	ng	#	8
60) 4-Chlorophenyl-phenylether	15.88	204	5383	1.692	ng	#	62
61) 4-Nitroaniline	16.00	138	114	0.085	ng	#	1
76) Benzidine	19.82	184	2515	0.510	ng	#	68
81) 3,3'-Dichlorobenzidine	21.62	252	6148	1.405	ng	#	96

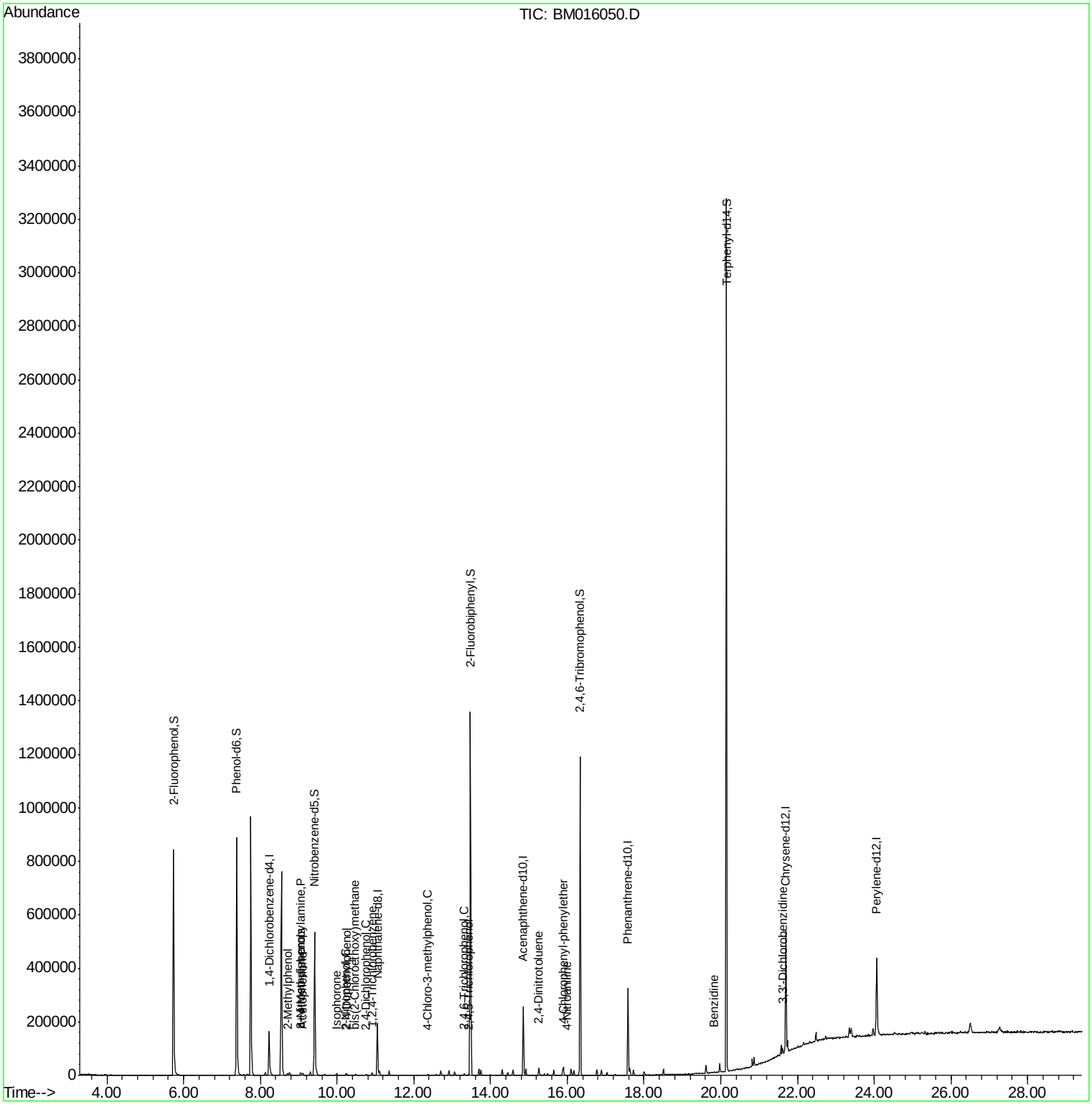
(#) = qualifier out of range (m) = manual integration (+) = signals summed

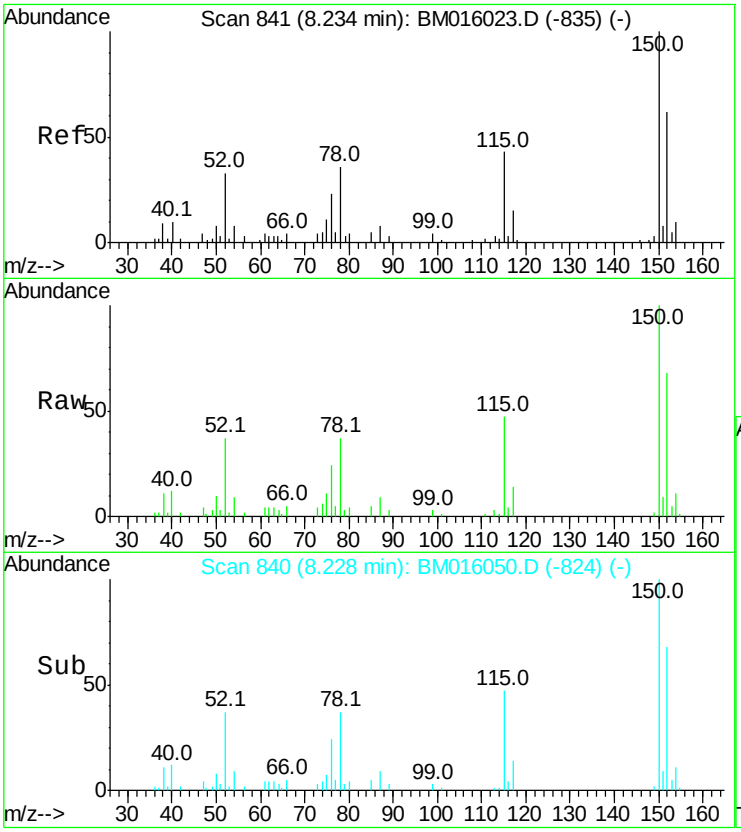
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
Data File : BM016050.D
Acq On : 24 Jul 2018 06:03
Operator : SJ/JU
Sample : J3762-09
Misc : MDL 2 PPM
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Quant Time: Jul 24 09:32:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 16:08:38 2018
Response via : Initial Calibration



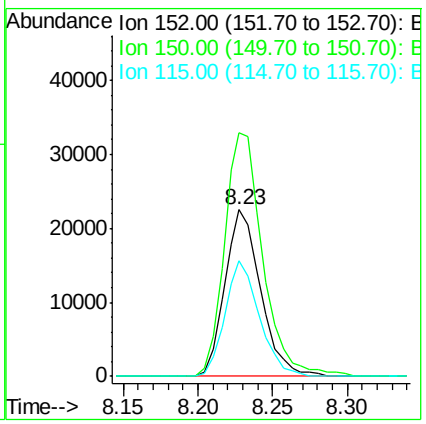


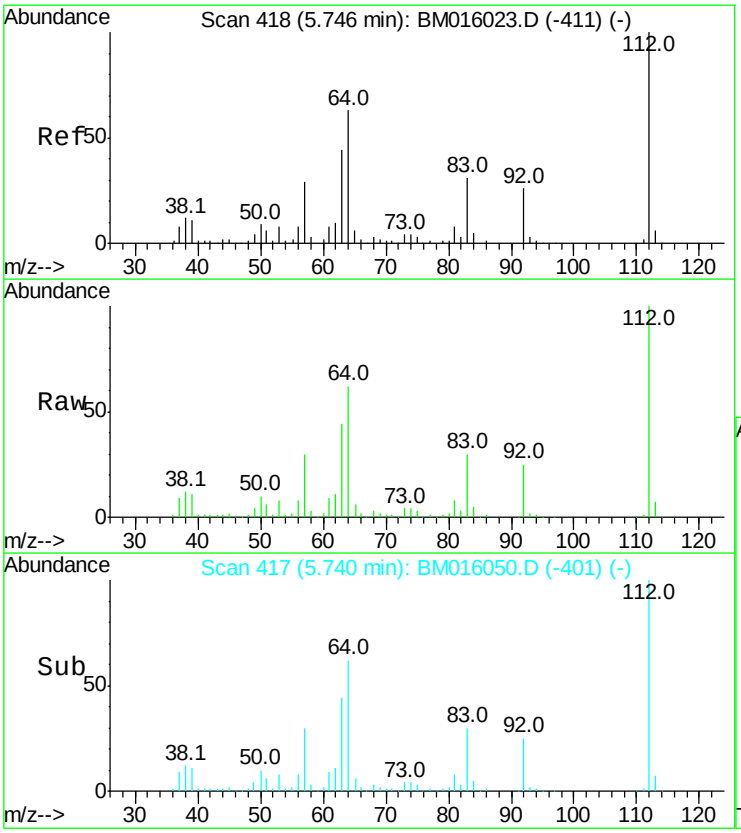
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 840
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:152 Resp: 37626

Ion	Ratio	Lower	Upper
152	100		
150	146.1	119.5	179.3
115	69.3	43.0	64.4#

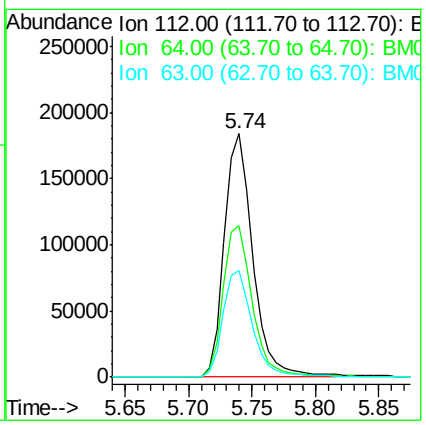


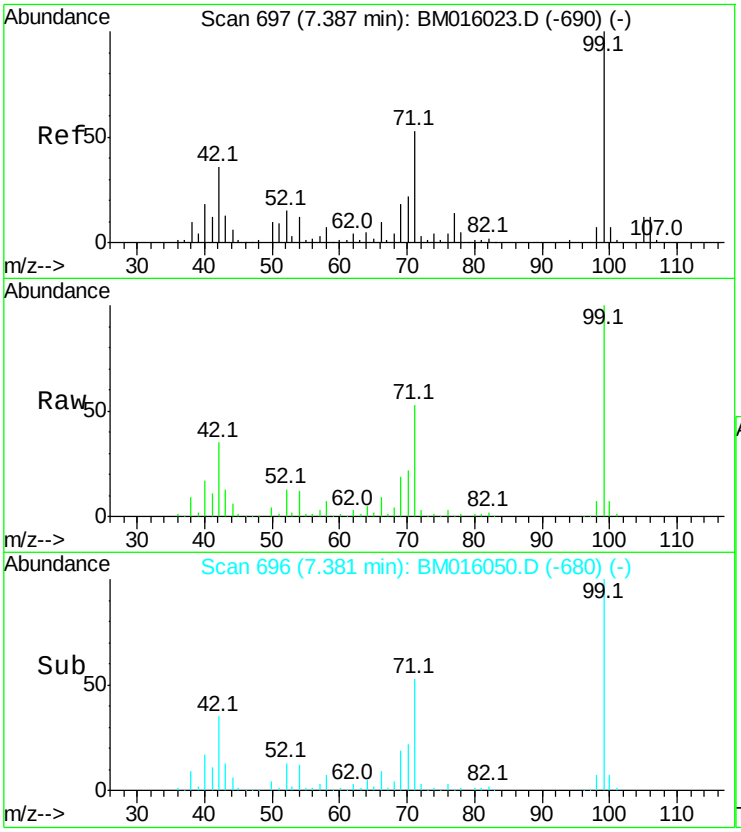


#5
2-Fluorophenol
Concen: N.D. ng
RT: 5.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:112 Resp: 286700

Ion	Ratio	Lower	Upper
112	100		
64	62.2	38.6	57.8#
63	44.0	19.3	28.9#



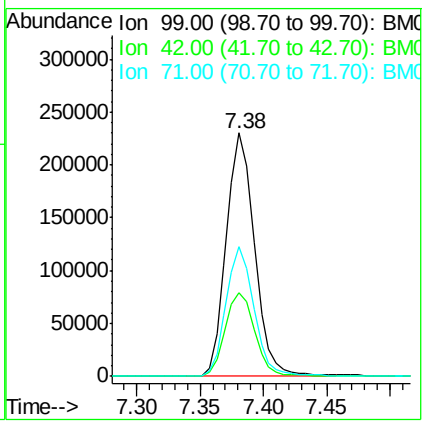


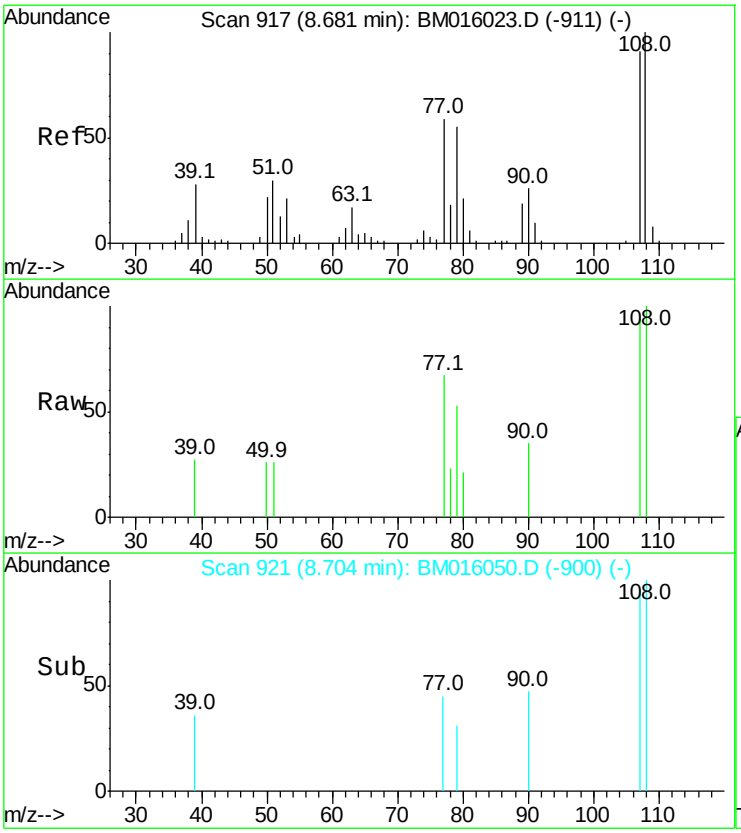
#7
Phenol-d6
Concen: N.D. ng
RT: 7.38 min Scan# 696
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion: 99 Resp: 357528

Ion	Ratio	Lower	Upper
99	100		
42	34.5	11.0	16.4#
71	53.0	23.4	35.2#

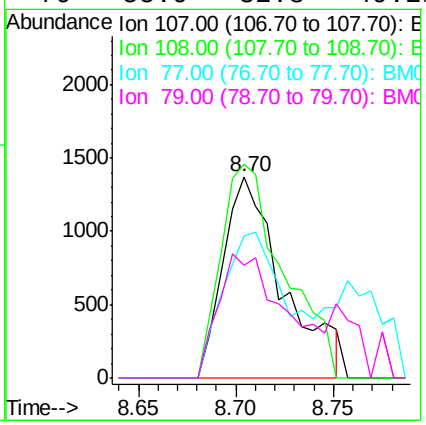


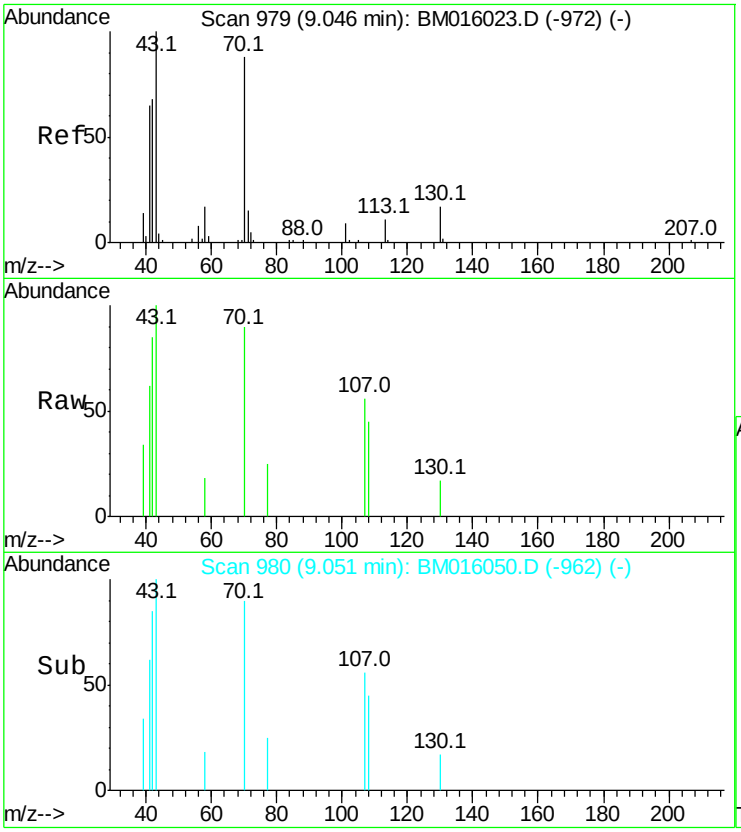


#17
2-Methylphenol
Concen: 1.444 ng
RT: 8.70 min Scan# 921
Delta R.T. 0.02 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:107 Resp: 2919

Ion	Ratio	Lower	Upper
107	100		
108	106.0	89.8	134.8
77	70.7	32.6	48.8#
79	55.9	32.8	49.2#



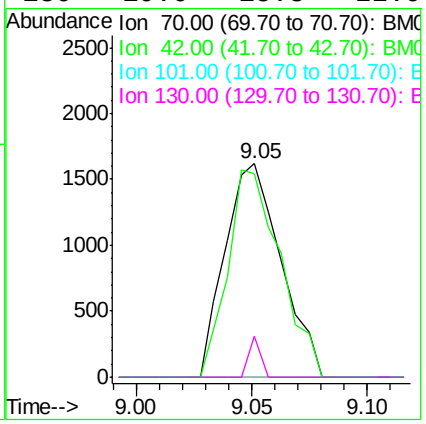


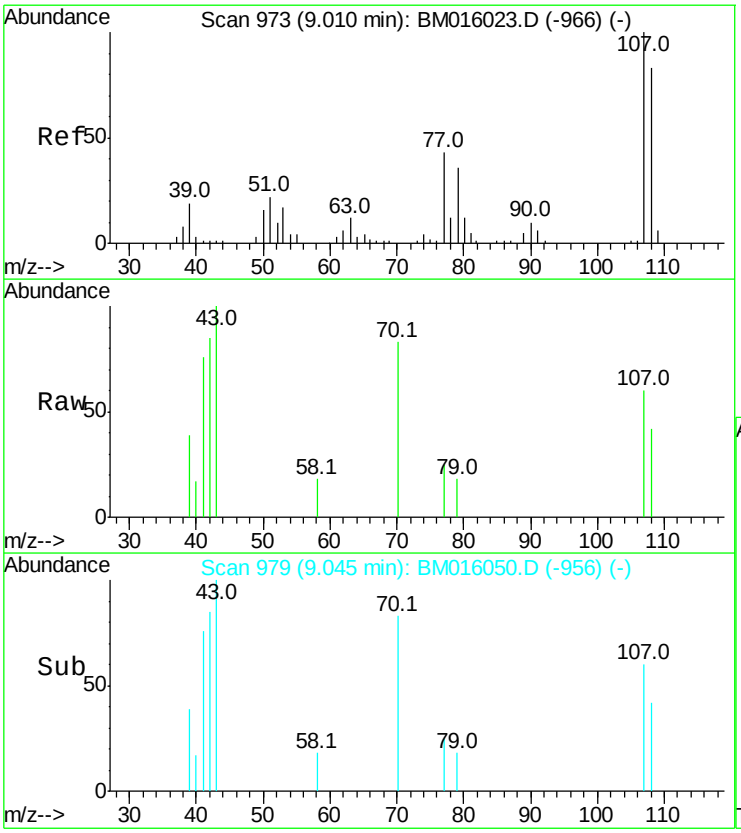
#19
n-Nitroso-di-n-propylamine
Concen: 1.259 ng
RT: 9.05 min Scan# 980
Delta R.T. 0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion: 70 Resp: 2722

Ion	Ratio	Lower	Upper
70	100		
42	95.1	44.5	66.7#
101	0.0	7.4	11.2#
130	19.0	15.3	22.9

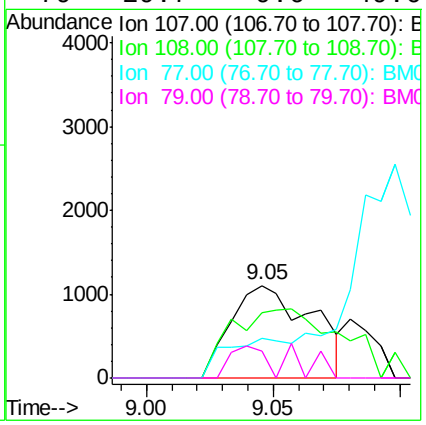


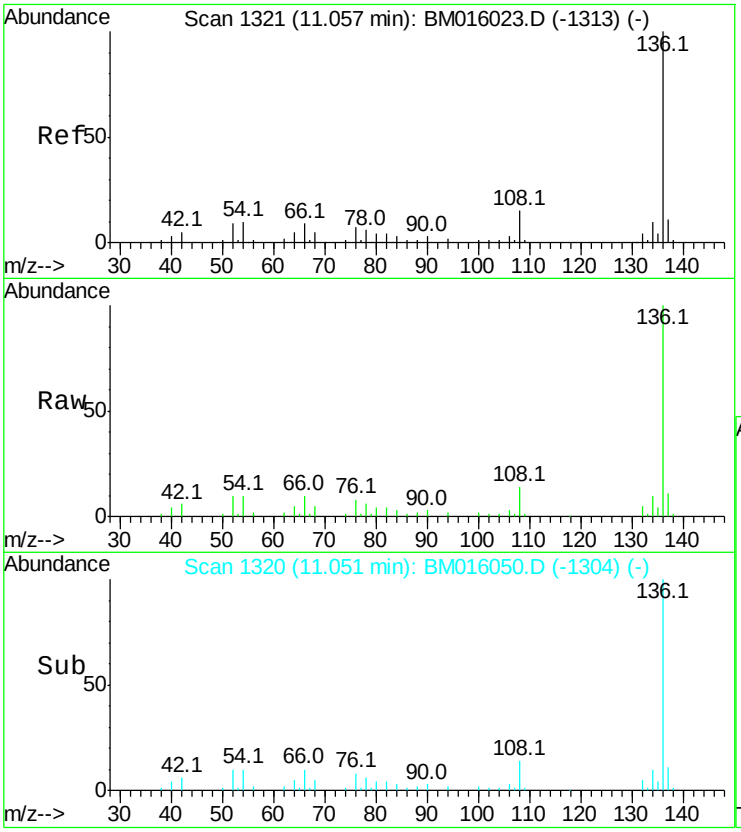


#20
3+4-Methylphenols
Concen: 0.843 ng
RT: 9.05 min Scan# 979
Delta R.T. 0.03 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:107 Resp: 2453

Ion	Ratio	Lower	Upper
107	100		
108	69.9	73.2	113.2#
77	42.6	10.7	50.7
79	29.7	9.6	49.6



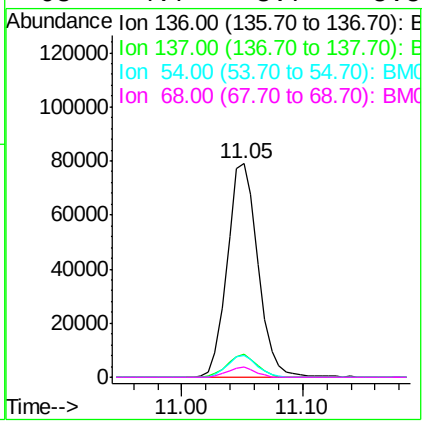


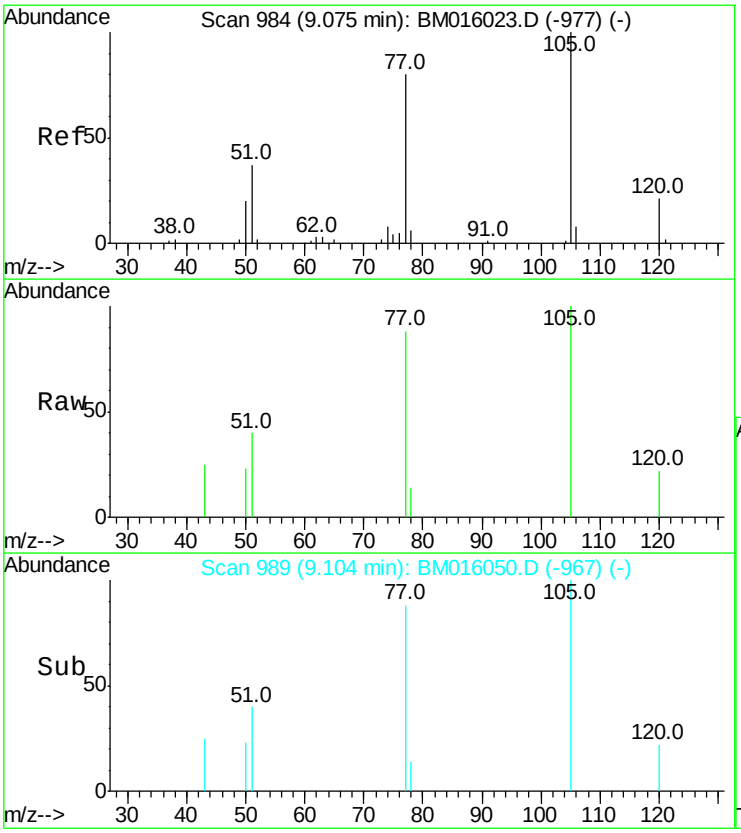
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:136 Resp: 139899

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	10.0	4.6	6.8#
68	4.7	3.7	5.5

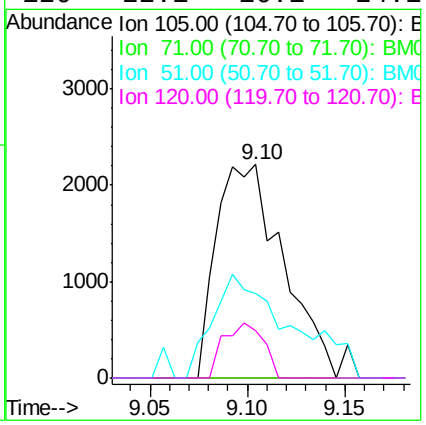


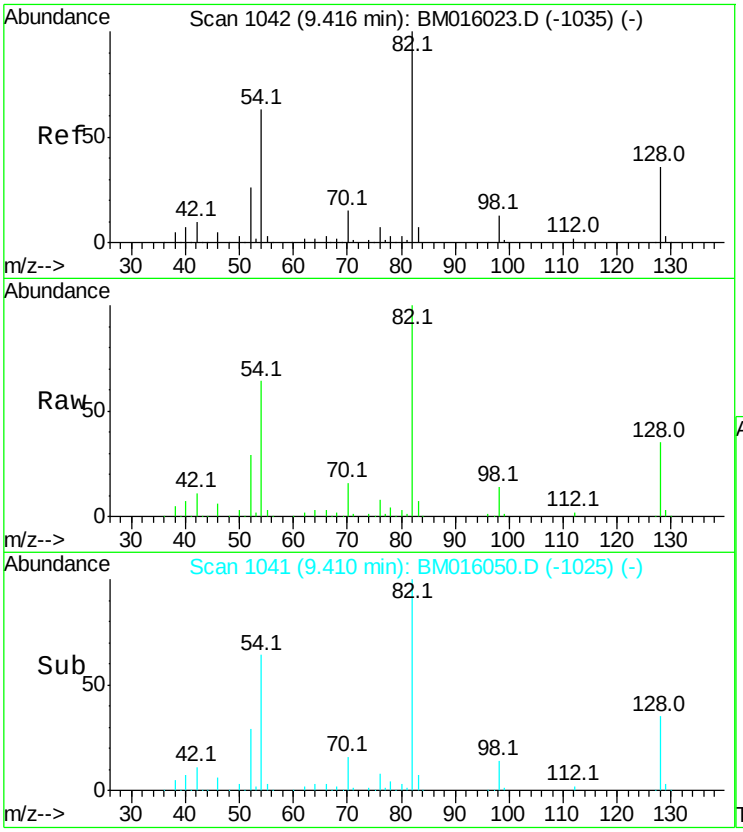


#22
Acetophenone
Concen: 1.489 ng
RT: 9.10 min Scan# 989
Delta R.T. 0.03 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:105 Resp: 5244

Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	39.8	21.6	32.4#
120	22.1	16.1	24.1



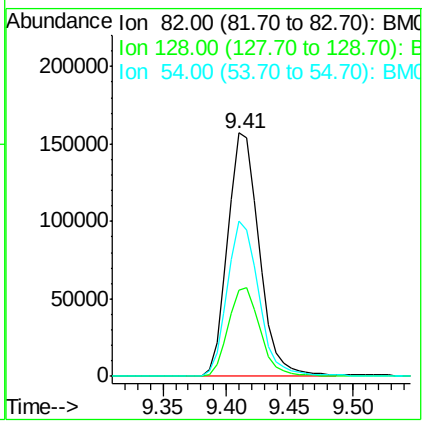


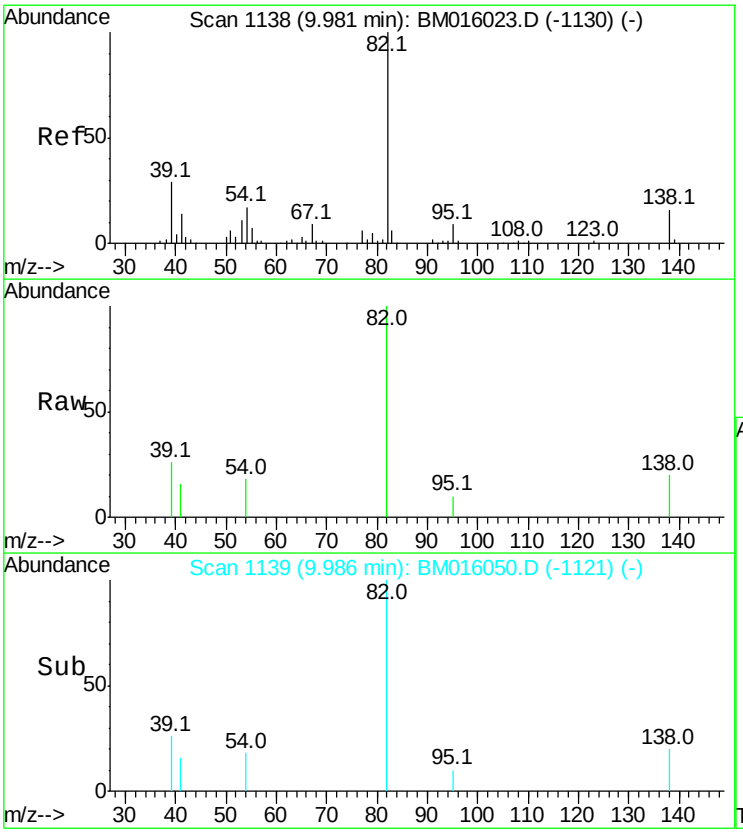
#23
Nitrobenzene-d5
Concen: 1.489 ng
RT: 9.41 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion: 82 Resp: 271394

Ion	Ratio	Lower	Upper
82	100		
128	35.4	32.8	49.2
54	63.9	40.6	60.8#

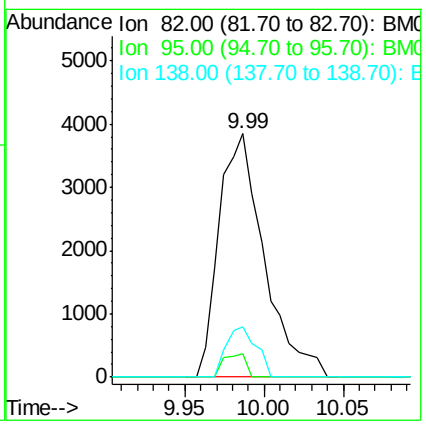


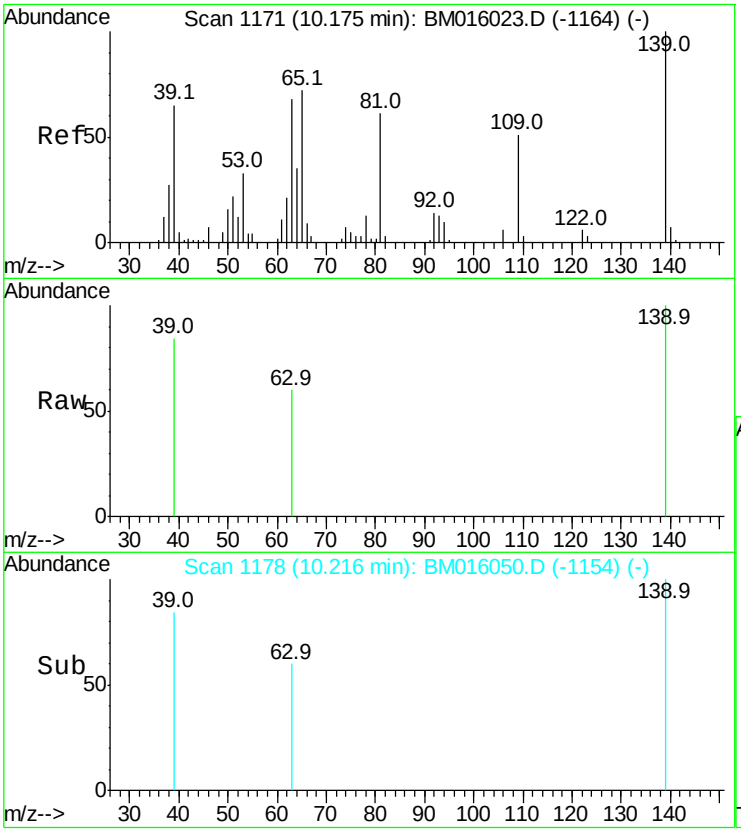


#25
Isophorone
Concen: 1.844 ng
RT: 9.99 min Scan# 1139
Delta R.T. 0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion: 82 Resp: 7588

Ion	Ratio	Lower	Upper
82	100		
95	9.6	5.8	8.6#
138	20.5	16.3	24.5



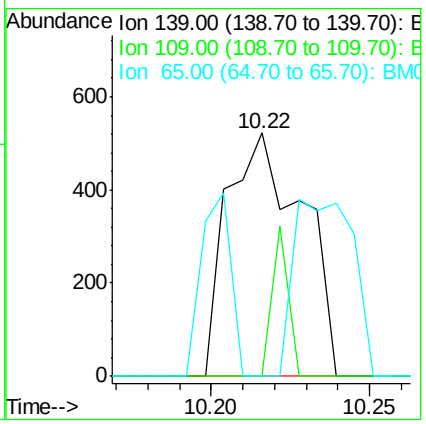


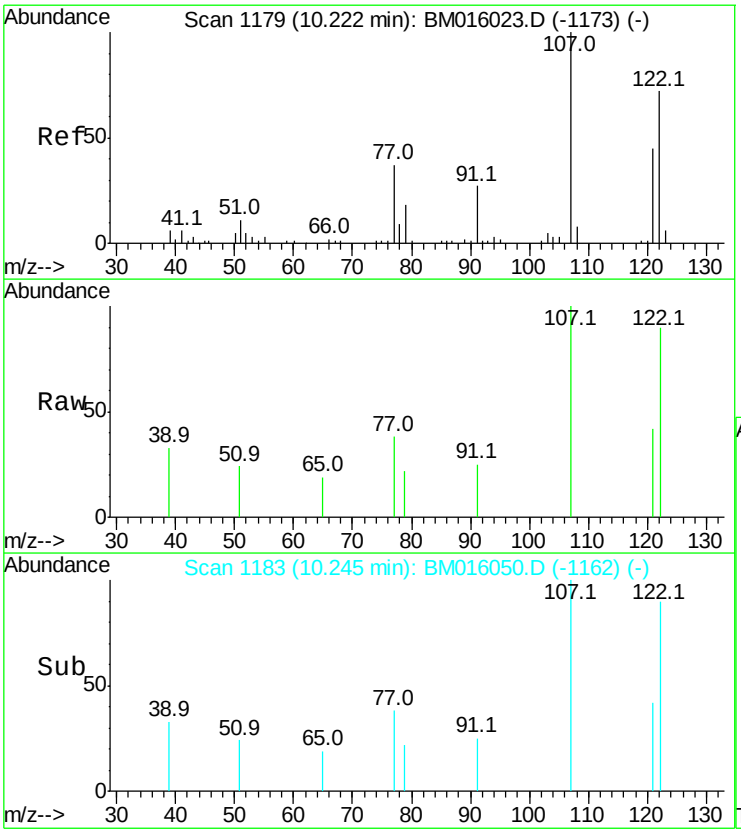
#26
2-Nitrophenol
Concen: 0.681 ng
RT: 10.22 min Scan# 1178
Delta R.T. 0.04 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:139 Resp: 861

Ion	Ratio	Lower	Upper
139	100		
109	0.0	20.1	30.1#
65	0.0	31.5	47.3#

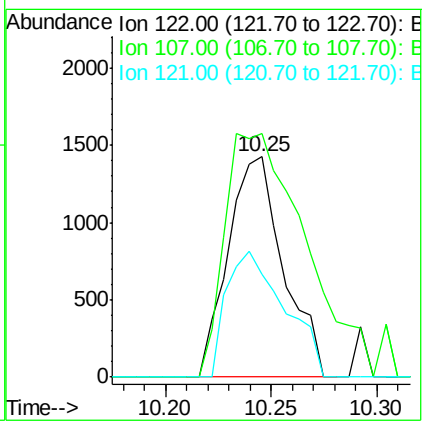


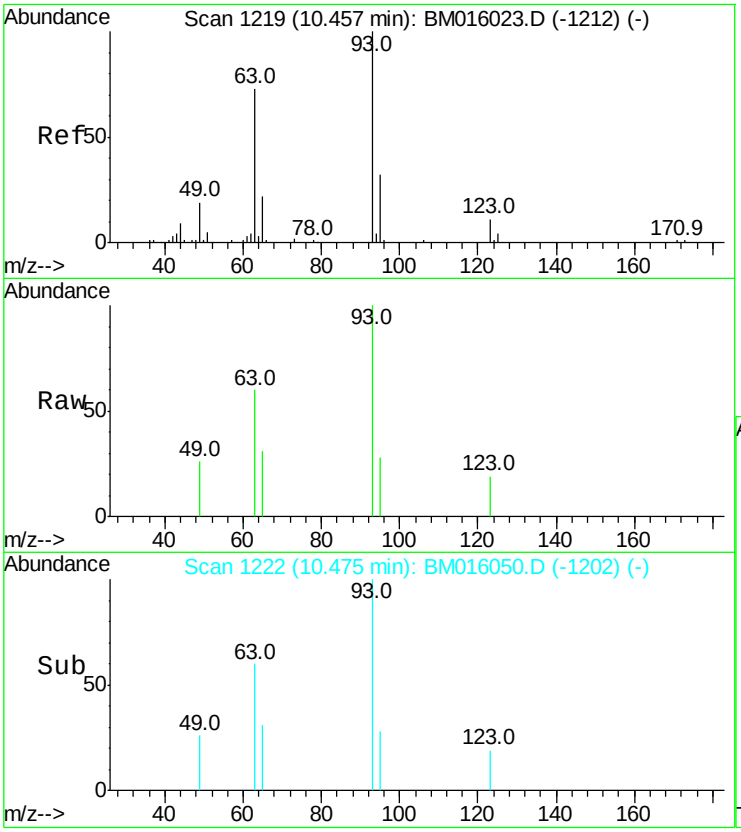


#27
2,4-Dimethylphenol
Concen: 1.471 ng
RT: 10.25 min Scan# 1183
Delta R.T. 0.02 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:122 Resp: 2591

Ion	Ratio	Lower	Upper
122	100		
107	110.5	84.7	127.1
121	46.5	46.6	69.8#



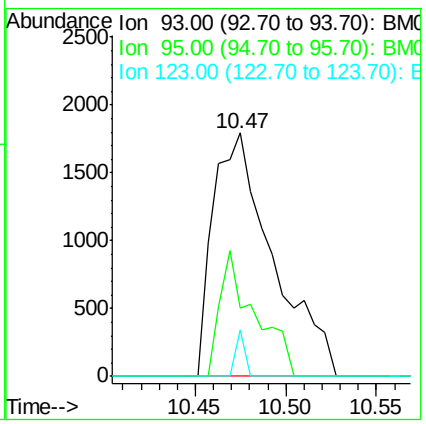


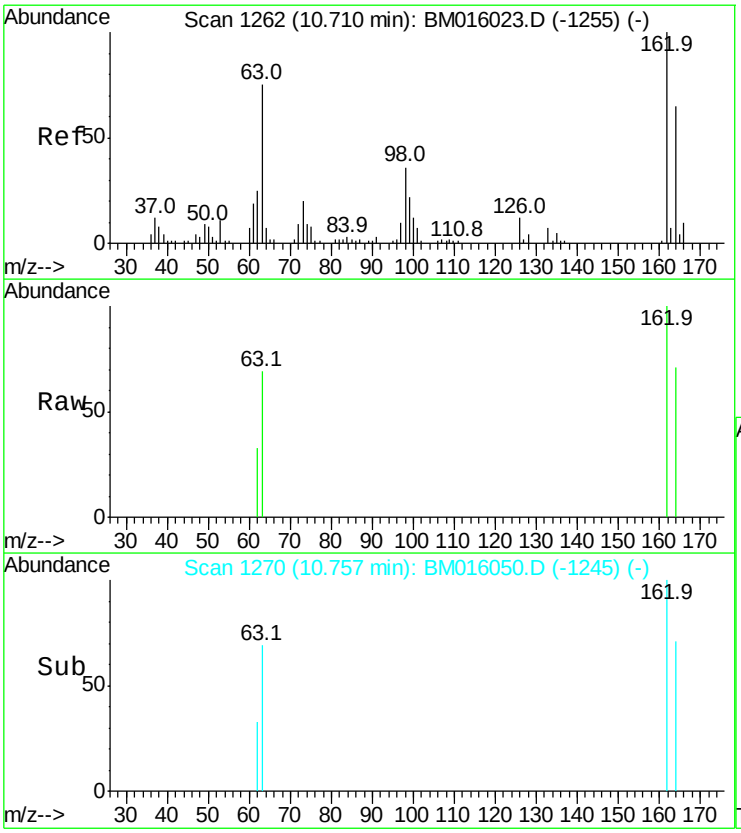
#28
bis(2-Chloroethoxy)methane
Concen: 1.538 ng
RT: 10.47 min Scan# 1222
Delta R.T. 0.02 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion: 93 Resp: 4112

Ion	Ratio	Lower	Upper
93	100		
95	27.9	25.5	38.3
123	19.3	8.6	13.0#

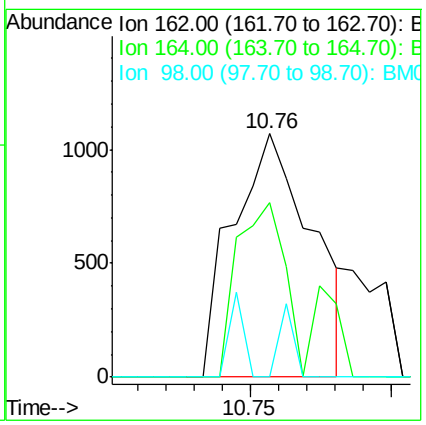


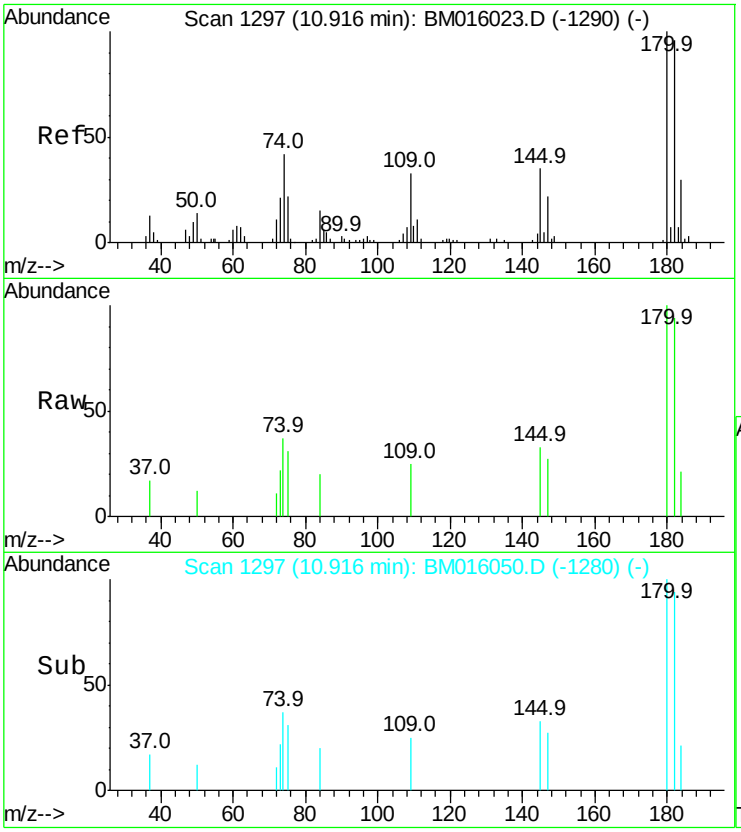


#29
2,4-Dichlorophenol
Concen: 0.993 ng
RT: 10.76 min Scan# 1270
Delta R.T. 0.05 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:162 Resp: 2078

Ion	Ratio	Lower	Upper
162	100		
164	71.5	42.8	82.8
98	0.0	14.5	54.5#



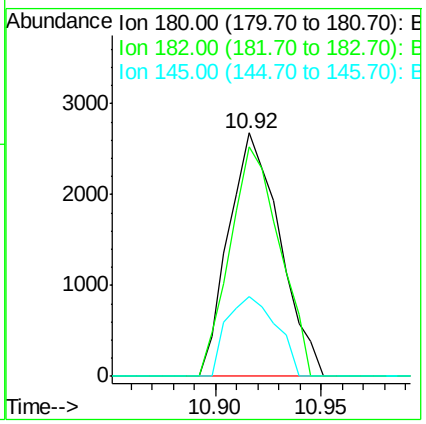


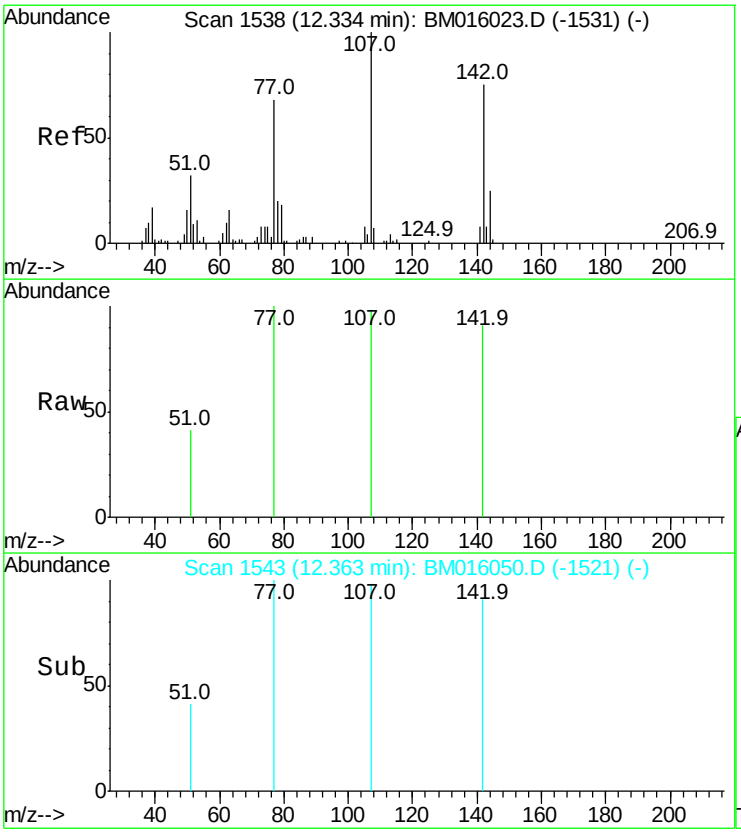
#30
1,2,4-Trichlorobenzene
Concen: 1.780 ng
RT: 10.92 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:180 Resp: 4525

Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.6	116.4
145	33.0	23.4	35.2

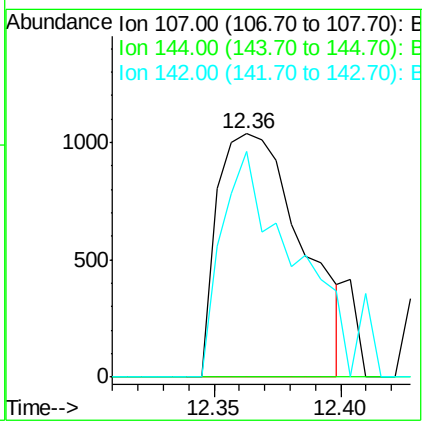


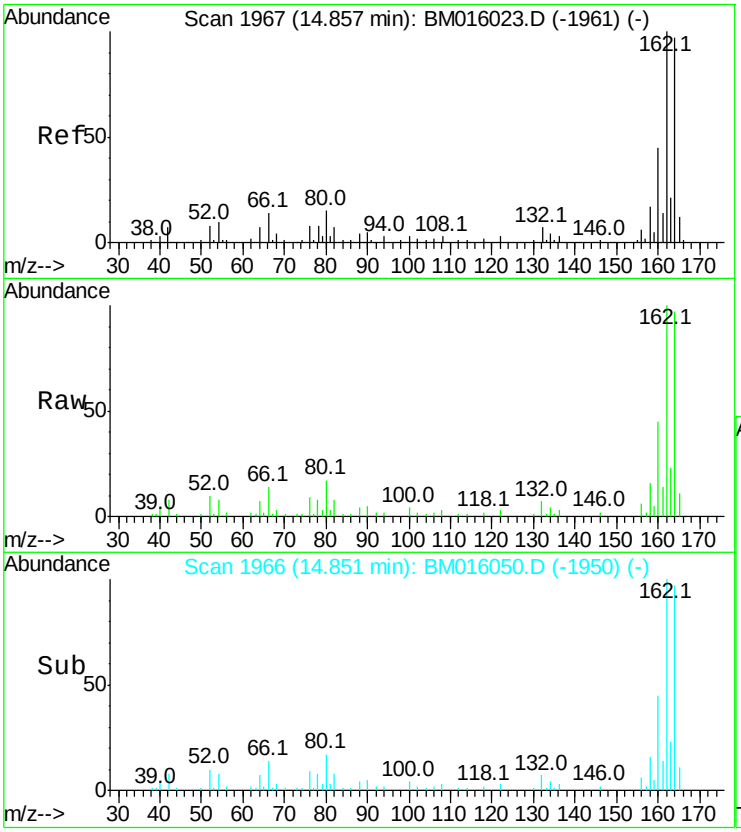


#36
4-Chloro-3-methylphenol
Concen: 1.047 ng
RT: 12.36 min Scan# 1543
Delta R.T. 0.03 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:107 Resp: 2409

Ion	Ratio	Lower	Upper
107	100		
144	0.0	23.3	34.9#
142	92.7	72.6	109.0



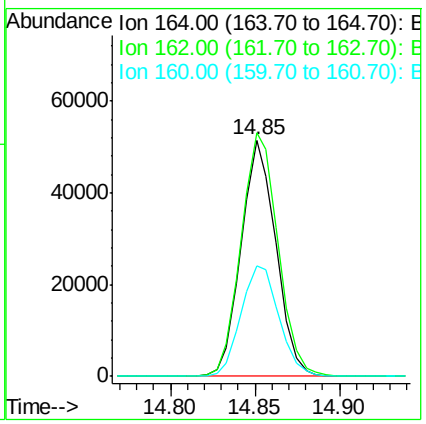


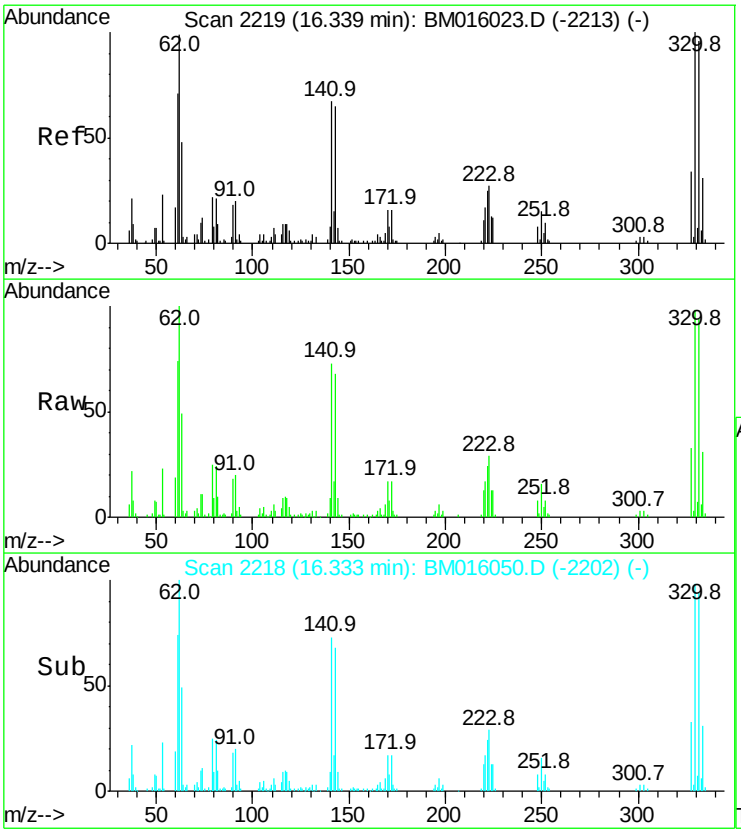
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.85 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:164 Resp: 73835

Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.4	123.6
160	46.8	35.8	53.6

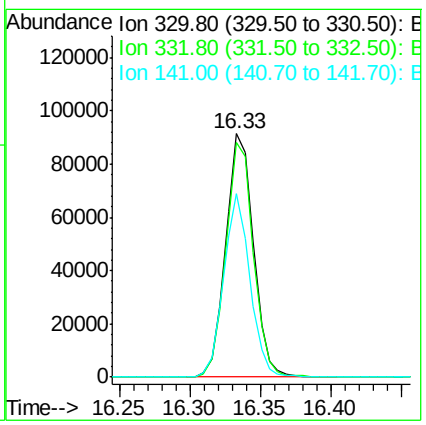


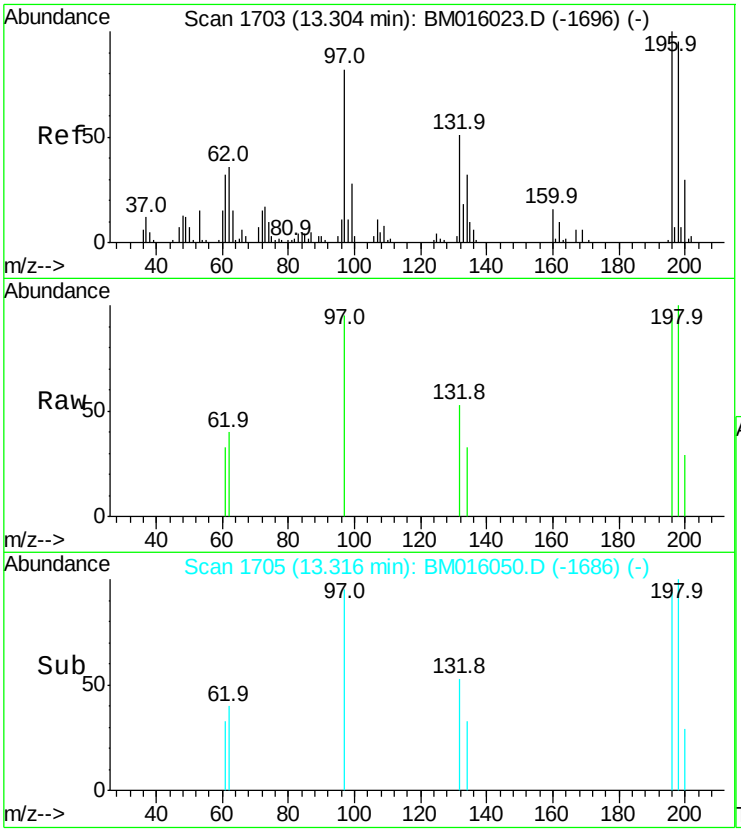


#41
2,4,6-Tribromophenol
Concen: N.D. ng
RT: 16.33 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:330 Resp: 125209

Ion	Ratio	Lower	Upper
330	100		
332	95.5	0.0	0.0#
141	70.7	0.0	0.0#



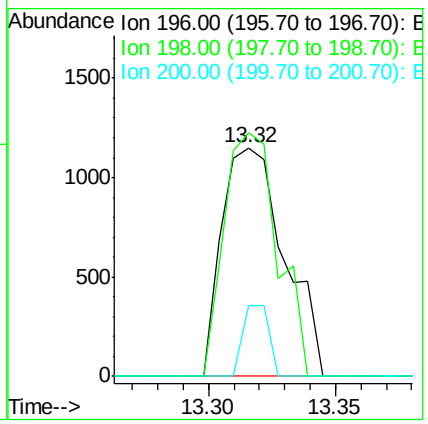


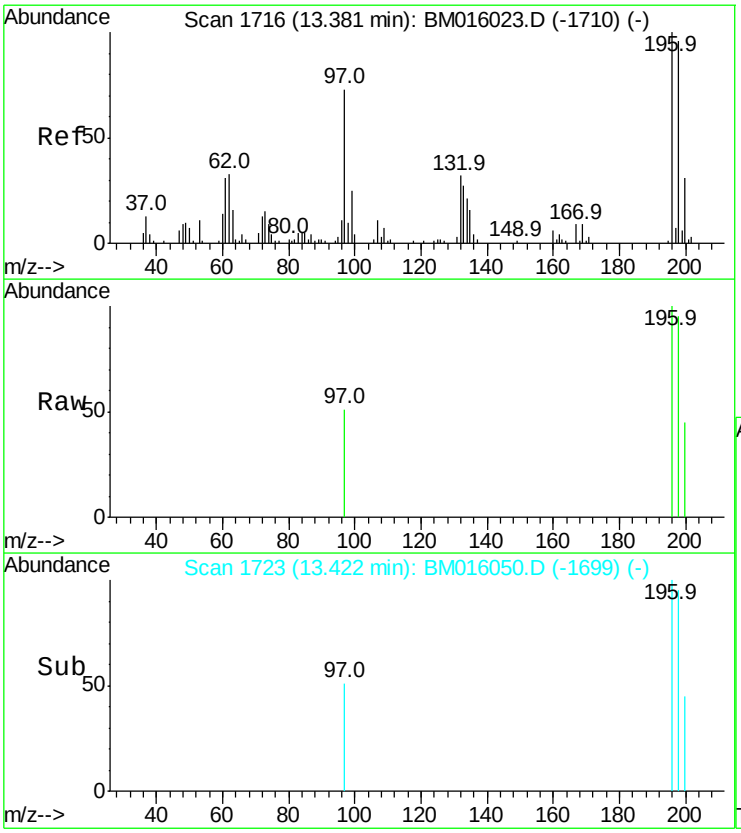
#42
2,4,6-Trichlorophenol
Concen: 1.262 ng
RT: 13.32 min Scan# 1705
Delta R.T. 0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:196 Resp: 1984

Ion	Ratio	Lower	Upper
196	100		
198	106.5	76.3	114.5
200	30.7	25.6	38.4

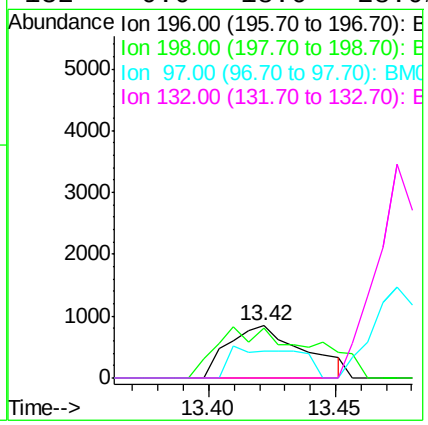


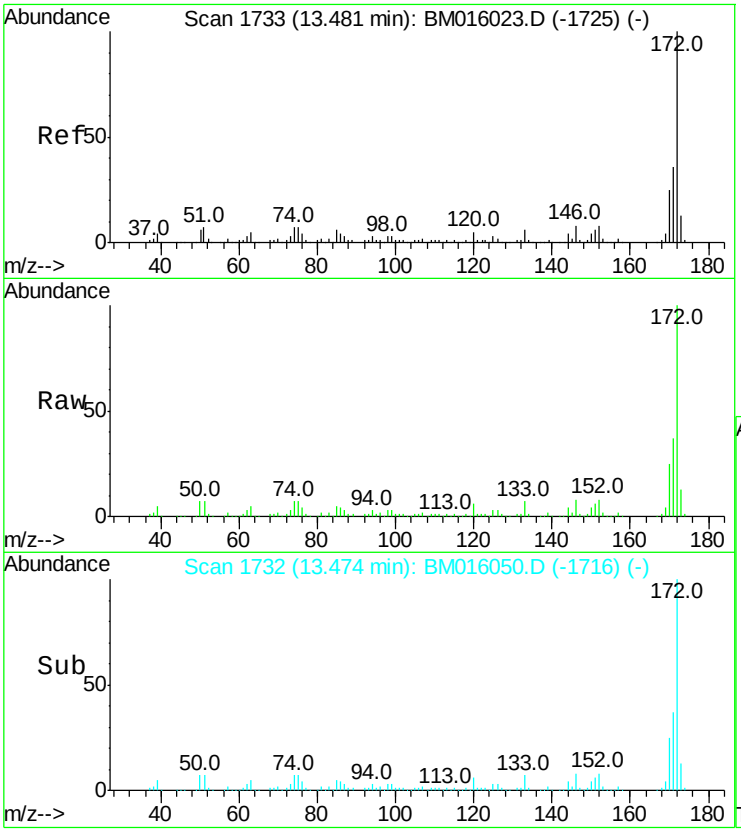


#43
2,4,5-Trichlorophenol
Concen: 1.083 ng
RT: 13.42 min Scan# 1723
Delta R.T. 0.04 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:196 Resp: 1757

Ion	Ratio	Lower	Upper
196	100		
198	95.0	79.4	119.0
97	50.6	26.8	40.2#
132	0.0	18.6	28.0#



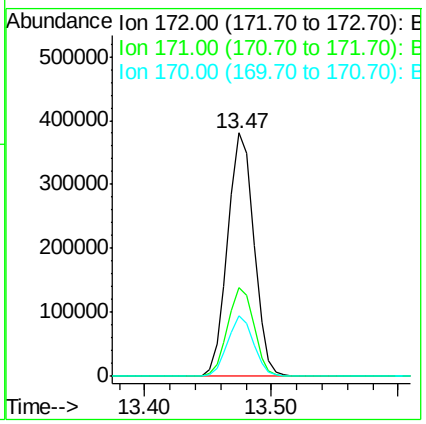


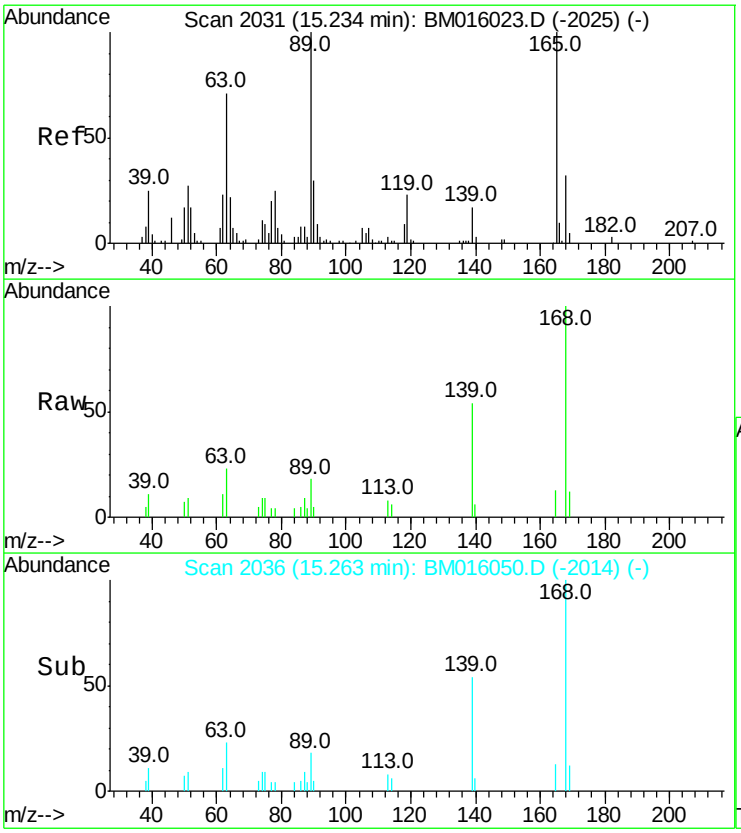
#44
2-Fluorobiphenyl
Concen: 1.083 ng
RT: 13.47 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:172 Resp: 546322

Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.5	42.7
170	24.9	18.8	28.2

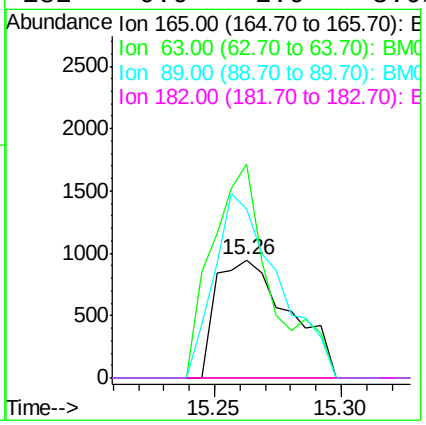


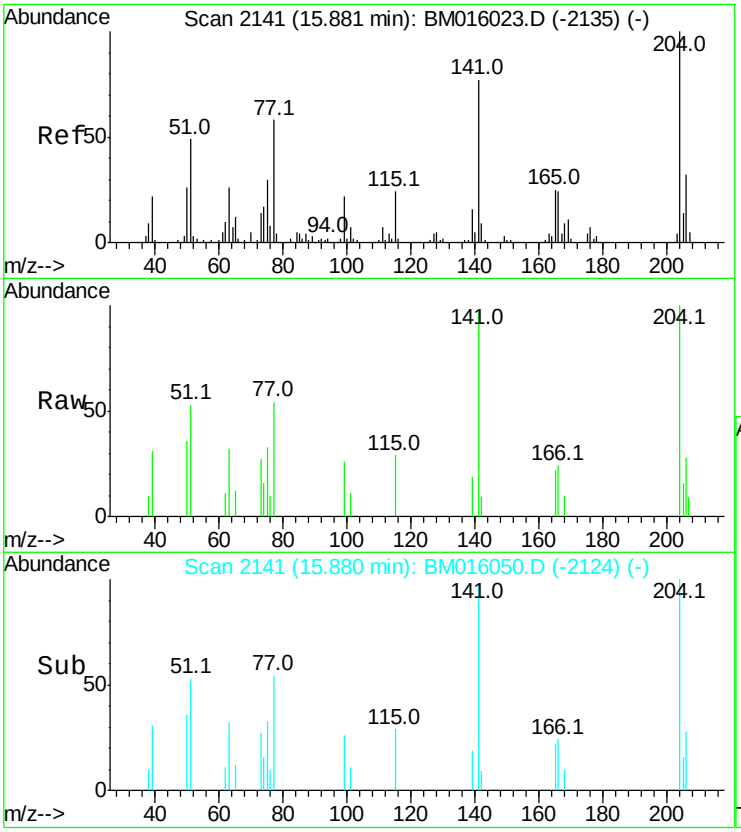


#56
2,4-Dinitrotoluene
Concen: 1.029 ng
RT: 15.26 min Scan# 2036
Delta R.T. 0.03 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:165 Resp: 1912

Ion	Ratio	Lower	Upper
165	100		
63	180.7	52.4	78.6#
89	142.9	72.4	108.6#
182	0.0	2.0	3.0#



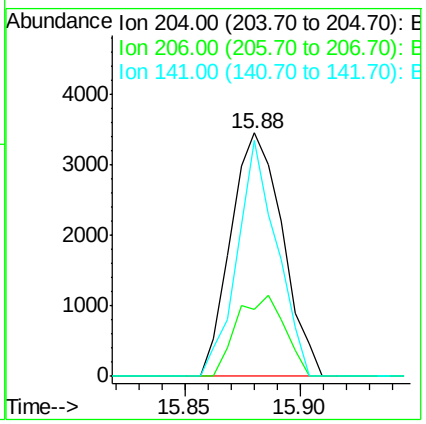


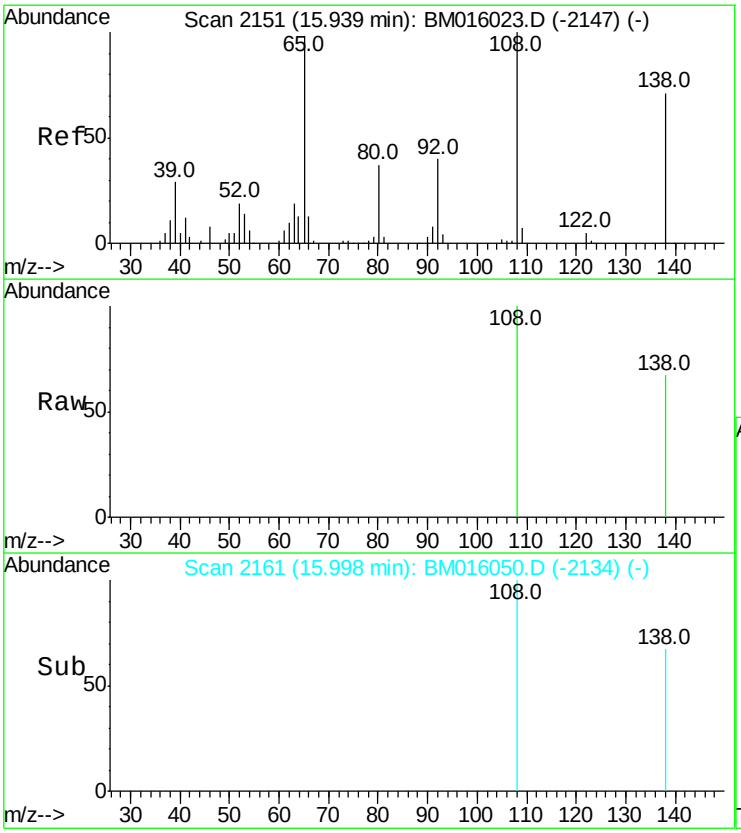
#60
4-Chlorophenyl-phenylether
Concen: 1.692 ng
RT: 15.88 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:204 Resp: 5383

Ion	Ratio	Lower	Upper
204	100		
206	27.5	26.6	39.8
141	96.9	45.2	67.8#

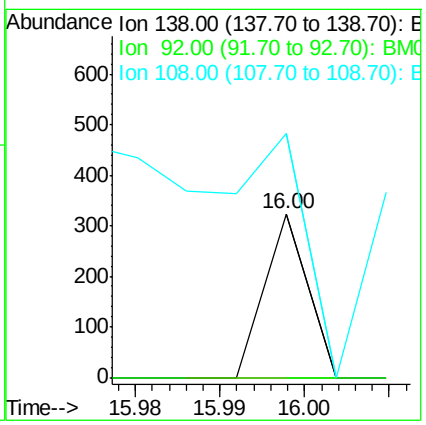


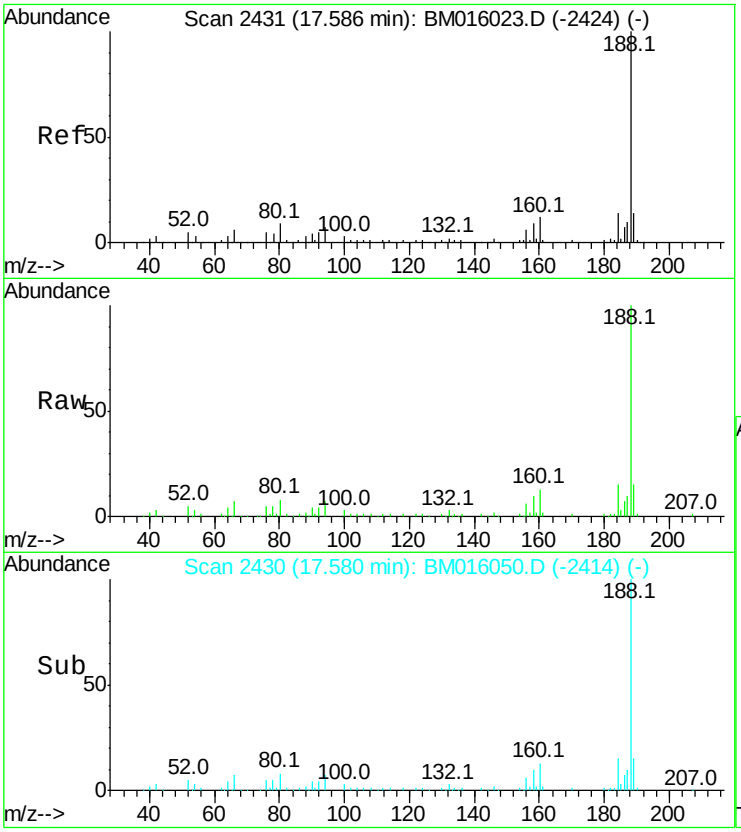


#61
4-Nitroaniline
Concen: 0.085 ng
RT: 16.00 min Scan# 2161
Delta R.T. 0.06 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:138 Resp: 114

Ion	Ratio	Lower	Upper
138	100		
92	0.0	16.7	56.7#
108	148.8	37.6	77.6#



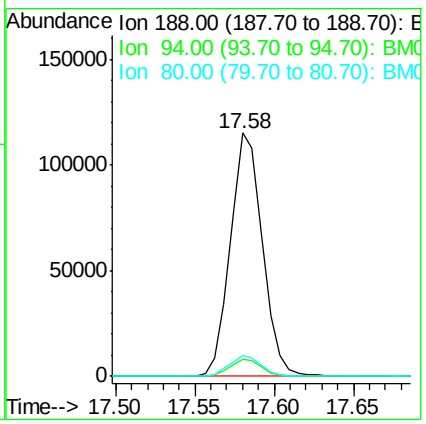


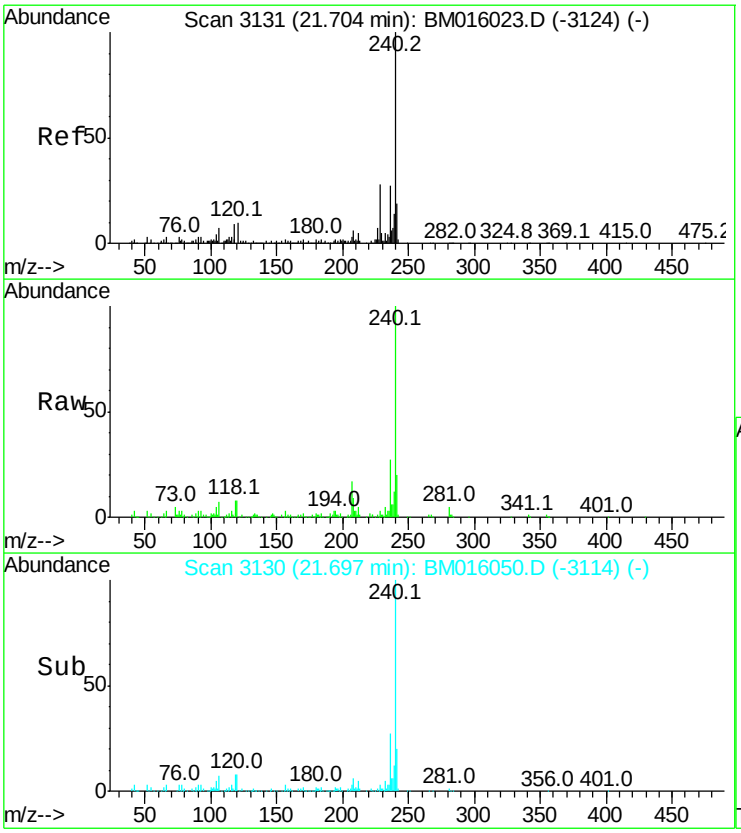
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.58 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:188 Resp: 161564

Ion	Ratio	Lower	Upper
188	100		
94	6.9	8.7	13.1#
80	8.4	9.3	13.9#

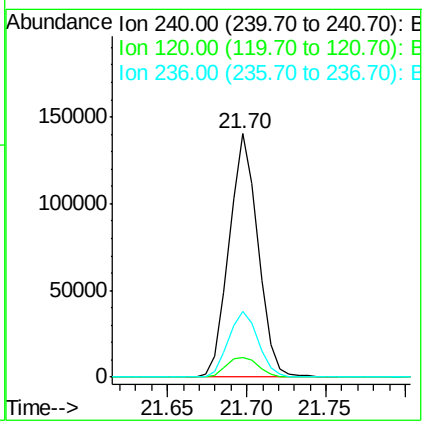


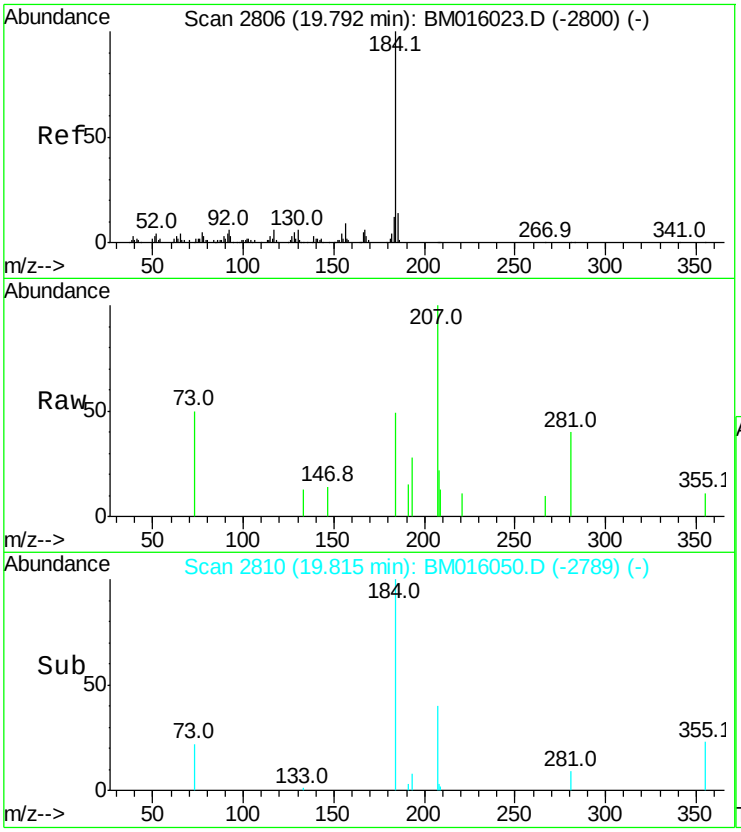


#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:240 Resp: 176432

Ion	Ratio	Lower	Upper
240	100		
120	7.9	8.2	12.2#
236	27.1	20.0	30.0



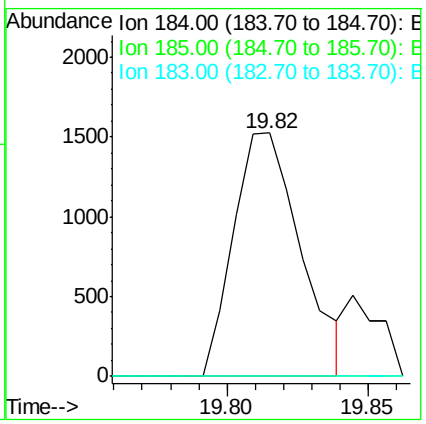


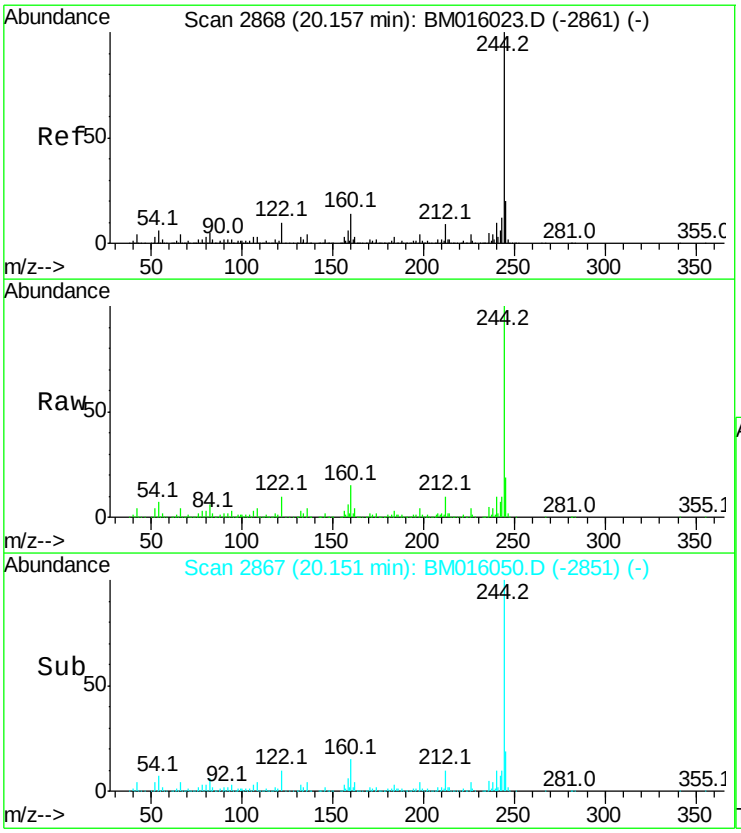
#76
Benzidine
Concen: 0.510 ng
RT: 19.82 min Scan# 2810
Delta R.T. 0.02 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:184 Resp: 2515

Ion	Ratio	Lower	Upper
184	100		
185	0.0	11.3	16.9#
183	0.0	8.9	13.3#

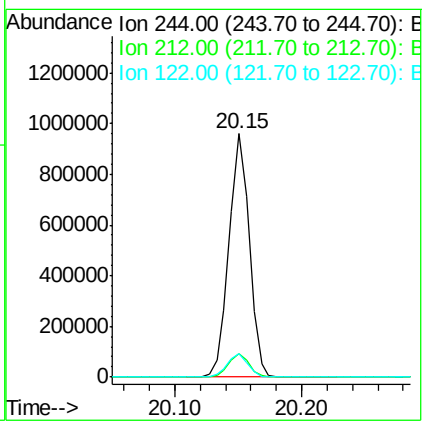


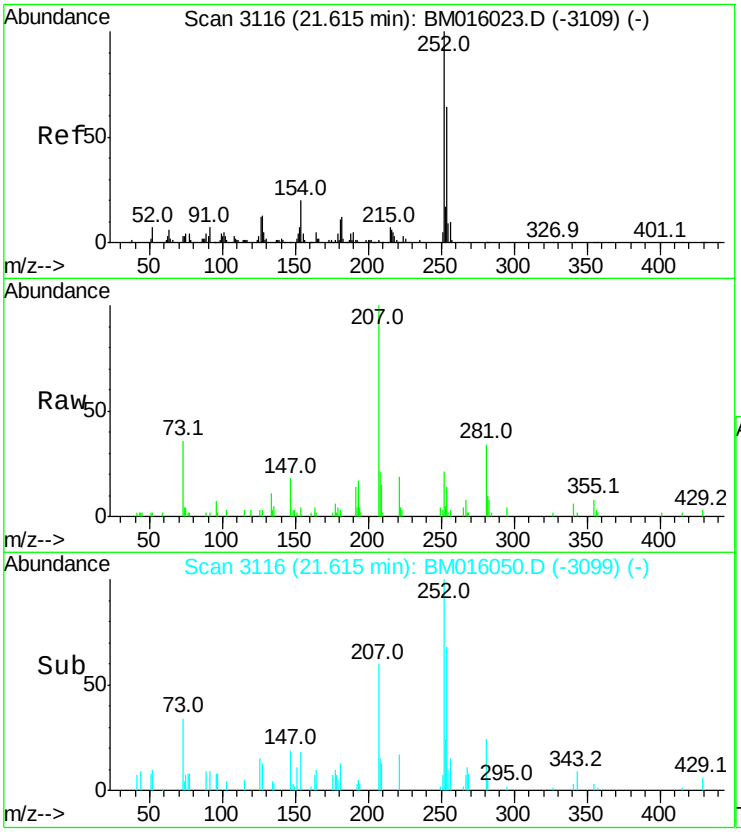


#78
Terphenyl-d14
Concen: N.D. ng
RT: 20.15 min Scan# 2867
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:244 Resp: 1054798

Ion	Ratio	Lower	Upper
244	100		
212	9.8	4.9	7.3#
122	9.5	6.2	9.4#



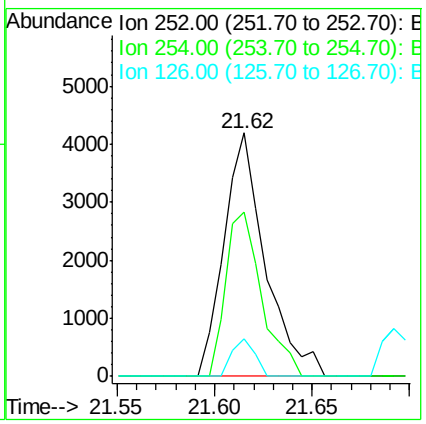


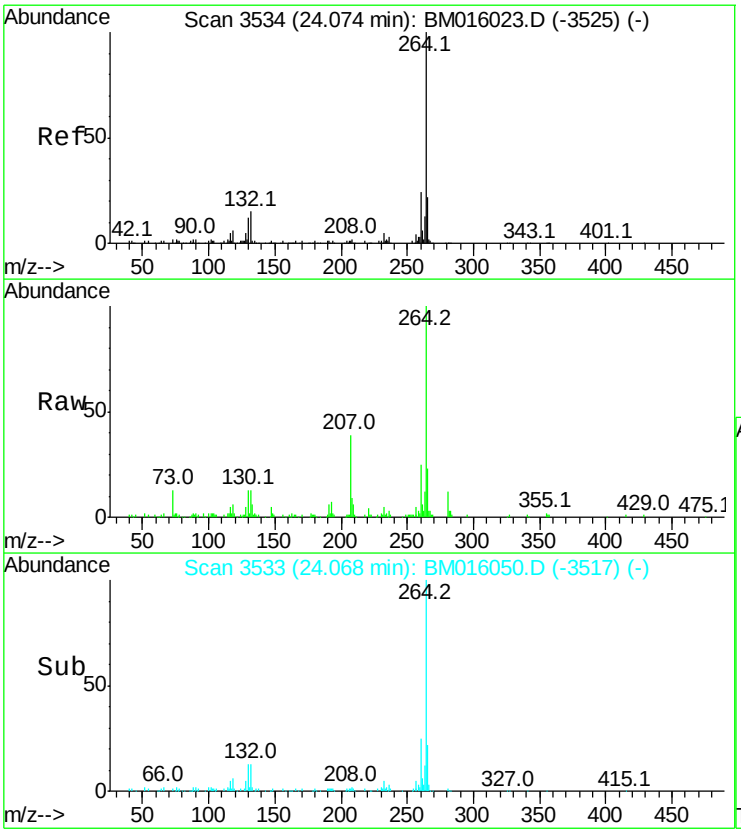
#81
3,3'-Dichlorobenzidine
Concen: 1.405 ng
RT: 21.62 min Scan# 3116
Delta R.T. -0.00 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tgt Ion:252 Resp: 6148

Ion	Ratio	Lower	Upper
252	100		
254	67.7	51.9	77.9
126	15.4	9.8	14.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.07 min Scan# 3533
Delta R.T. -0.01 min
Lab File: BM016050.D
Acq: 24 Jul 2018 06:03

Tgt Ion:264 Resp: 192956

Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.6	27.8
265	23.1	17.3	25.9