Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\
Data File : BN010310.D
Acq On : 20 Mar 2020 15:13
Operator : CG/JU
Sample : L1161-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-WATER-03-QT1-2020

Quant Time: Mar 20 16:13:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 15:26:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3949	0.40	ng		0.00
7) Naphthalene-d8	10.38	136	13532	0.40	ng		0.00
13) Acenaphthene-d10	14.24	164	8137	0.40	ng		0.00
19) Phenanthrene-d10	16.98	188	19676	0.40	ng		0.00
27) Chrysene-d12	21.19	240	20791	0.40	ng		0.00
34) Perylene-d12	23.36	264	20773	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	2924	0.37	ng		0.00
5) Phenol-d6	6.79	99	3651	0.38	ng		0.00
8) Nitrobenzene-d5	8.75	82	3226	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	11.97	152	7384	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.74	330	938	0.30	ng		0.00
15) 2-Fluorobiphenyl	12.86	172	11961	0.38	ng		0.00
25) Fluoranthene-d10	19.02	212	19969	0.34	ng		0.00
29) Terphenyl-d14	19.64	244	17587	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	310	0.084	ng		96
3) n-Nitrosodimethylamine	3.60	42	243	0.078	ng	#	1
6) bis(2-Chloroethyl)ether	7.05	93	819	0.088	ng		96
9) Naphthalene	10.42	128	2901	0.086	ng	#	92
10) Hexachlorobutadiene	10.73	225	697	0.085	ng	#	98
12) 2-Methylnaphthalene	12.05	142	1996	0.085	ng		98
16) Acenaphthylene	13.95	152	2427	0.076	ng		99
17) Acenaphthene	14.30	154	1775	0.078	ng		95
18) Fluorene	15.29	166	2378	0.079	ng		99
20) 4-Bromophenyl-phenylether	16.18	248	873	0.073	ng	#	93
21) Hexachlorobenzene	16.30	284	1028	0.084	ng		98
22) Pentachlorophenol	16.64	266	700	0.167	ng		91
23) Phenanthrene	17.02	178	4338	0.080	ng		99
24) Anthracene	17.12	178	3470	0.075	ng		98
26) Fluoranthene	19.05	202	5279	0.080	ng		99
28) Pyrene	19.41	202	5175	0.080	ng		100
30) Benzo(a)anthracene	21.17	228	5242	0.079	ng		96
31) Chrysene	21.22	228	6026	0.085	ng		97
32) Bis(2-ethylhexyl)phthalate	21.13	149	1685	0.075	ng		97
33) Indeno(1,2,3-cd)pyrene	25.51	276	6101	0.080	ng		99
35) Benzo(b)fluoranthene	22.72	252	5678	0.080	ng	#	84
36) Benzo(k)fluoranthene	22.76	252	5769	0.080	ng	#	83
37) Benzo(a)pyrene	23.27	252	4173	0.070	ng	#	74
38) Dibenzo(a,h)anthracene	25.53	278	4997	0.078	ng	#	86
39) Benzo(g,h,i)perylene	26.16	276	5249	0.081	ng		93

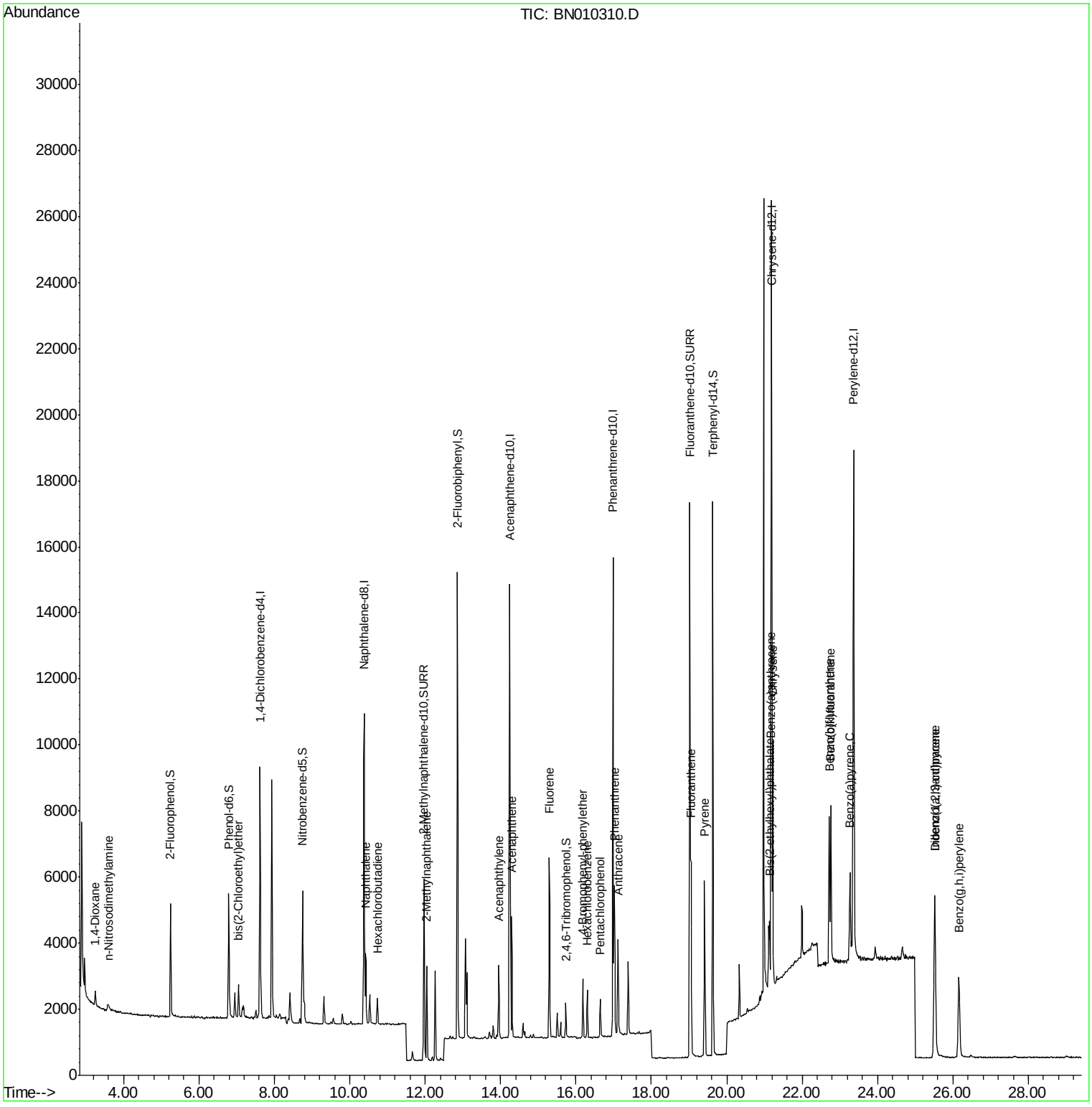
(#) = qualifier out of range (m) = manual integration (+) = signals summed

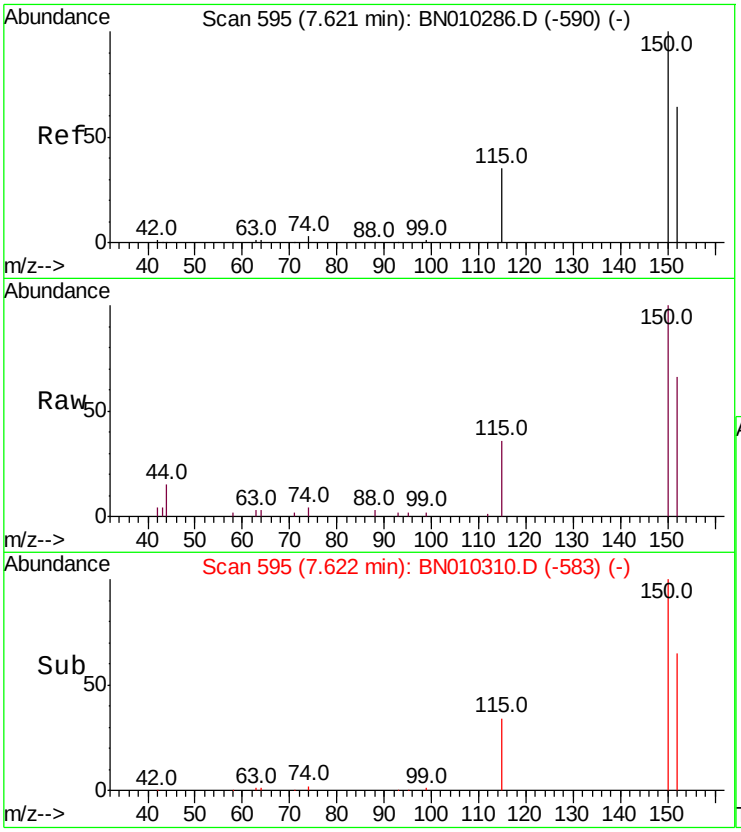
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\
Data File : BN010310.D
Acq On : 20 Mar 2020 15:13
Operator : CG/JU
Sample : L1161-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Quant Time: Mar 20 16:13:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 15:26:45 2020
Response via : Initial Calibration



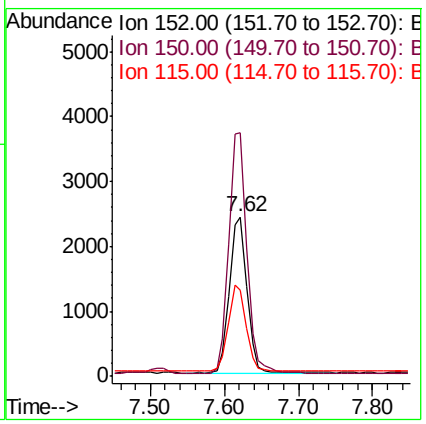


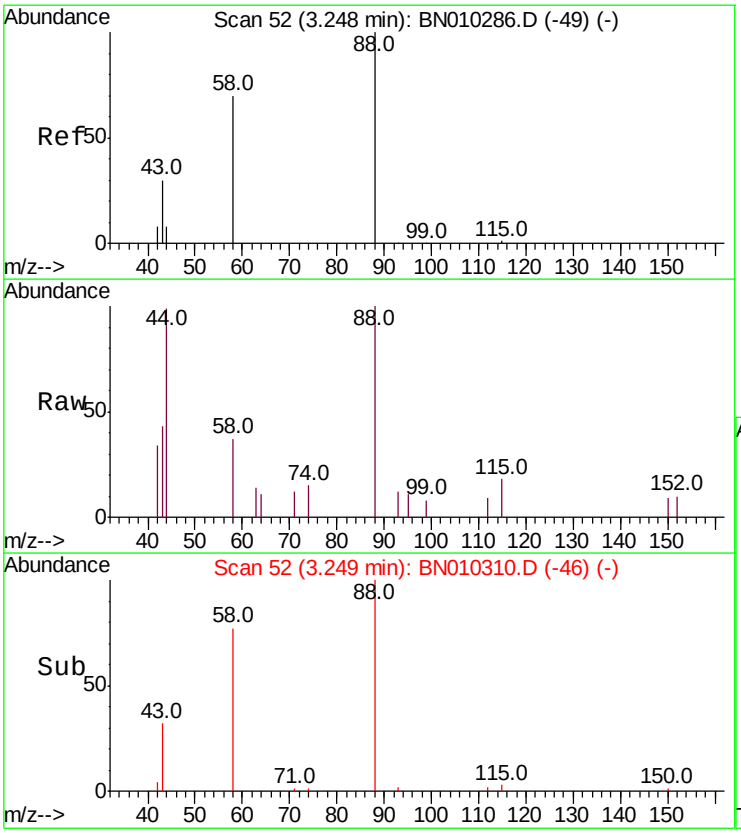
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 595
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:152 Resp: 3949

Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.1	184.7
115	54.3	45.2	67.8

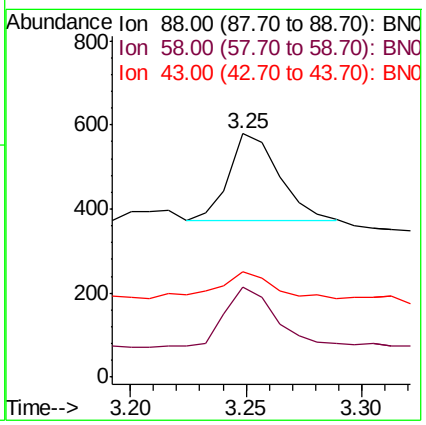


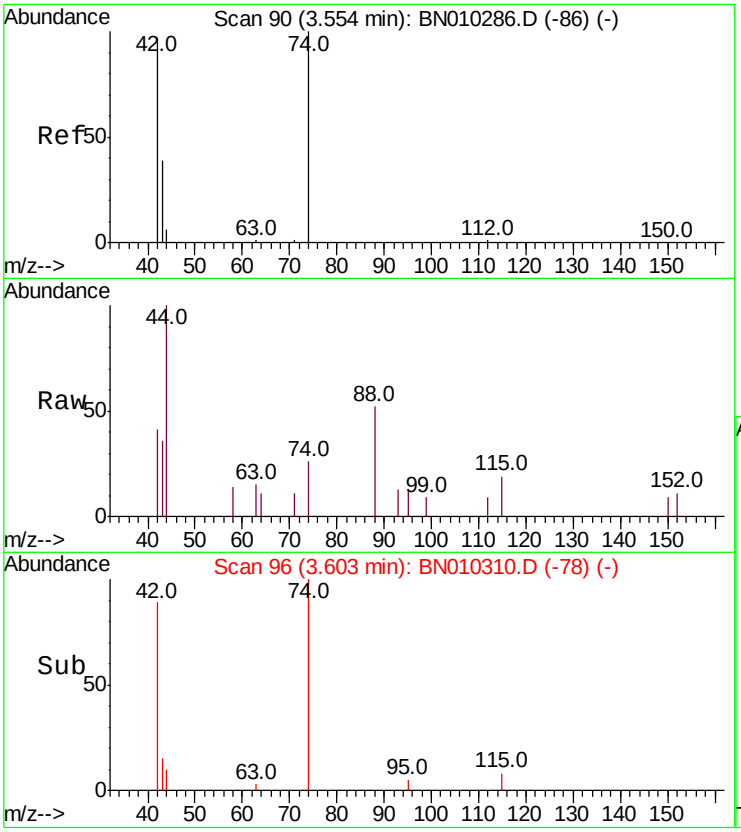


#2
1,4-Dioxane
Concen: 0.084 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion: 88 Resp: 310

Ion	Ratio	Lower	Upper
88	100		
58	67.1	51.7	77.5
43	30.0	21.2	31.8



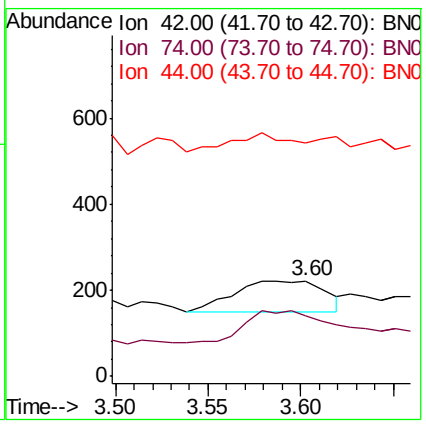


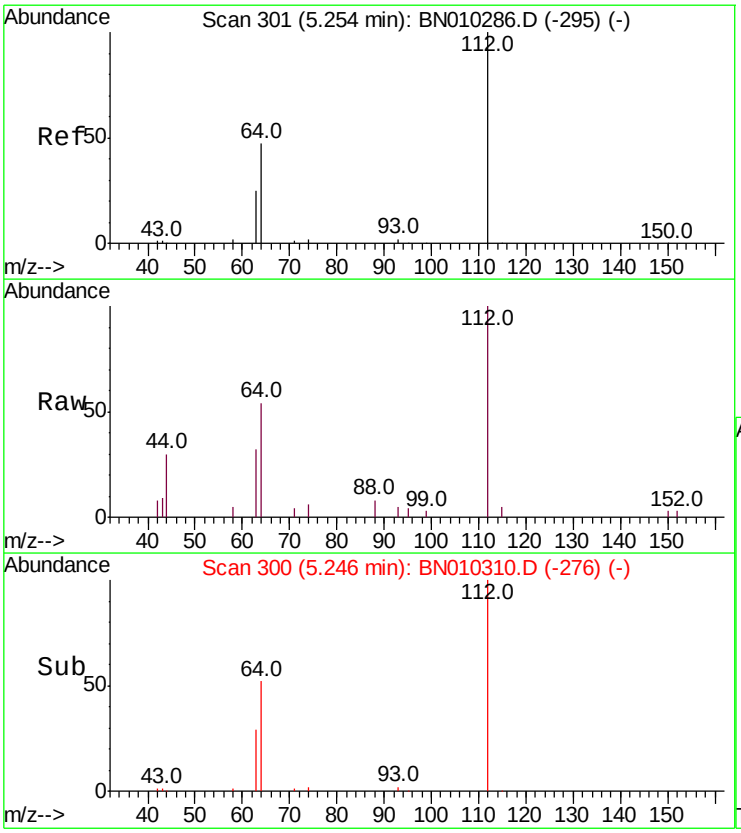
#3
n-Nitrosodimethylamine
Concen: 0.078 ng
RT: 3.60 min Scan# 96
Delta R.T. 0.05 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion: 42 Resp: 243

Ion	Ratio	Lower	Upper
42	100		
74	0.0	99.4	149.0#
44	0.0	4.8	7.2#

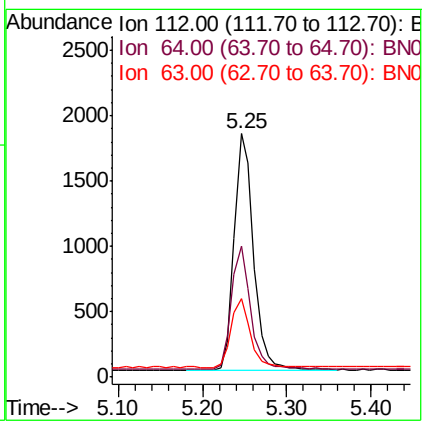


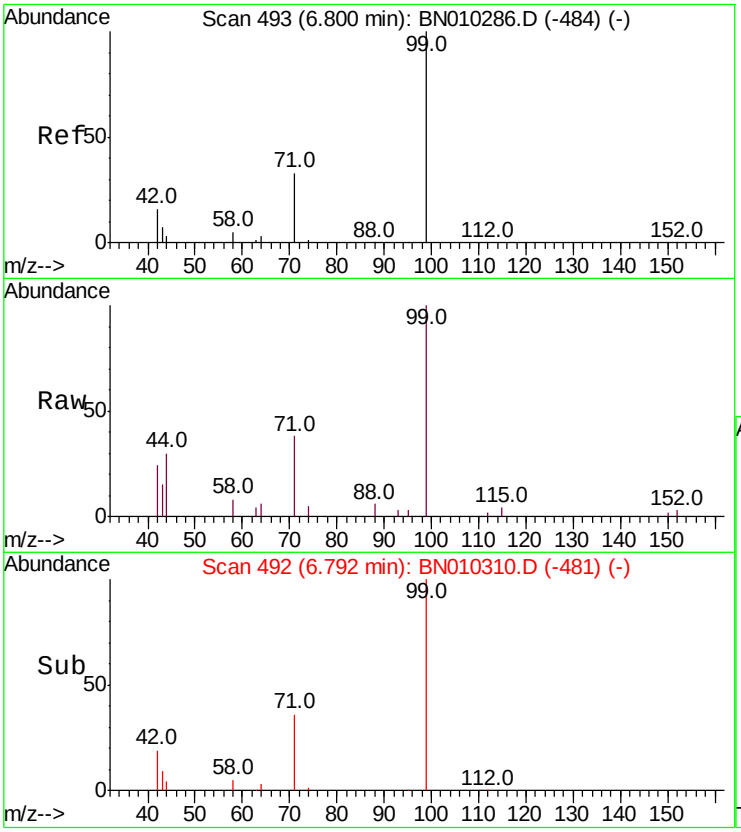


#4
2-Fluorophenol
Concen: 0.374 ng
RT: 5.25 min Scan# 300
Delta R.T. -0.01 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:112 Resp: 2924

Ion	Ratio	Lower	Upper
112	100		
64	51.3	41.4	62.2
63	28.0	22.9	34.3



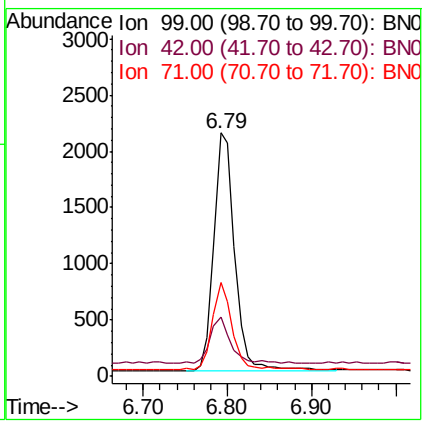


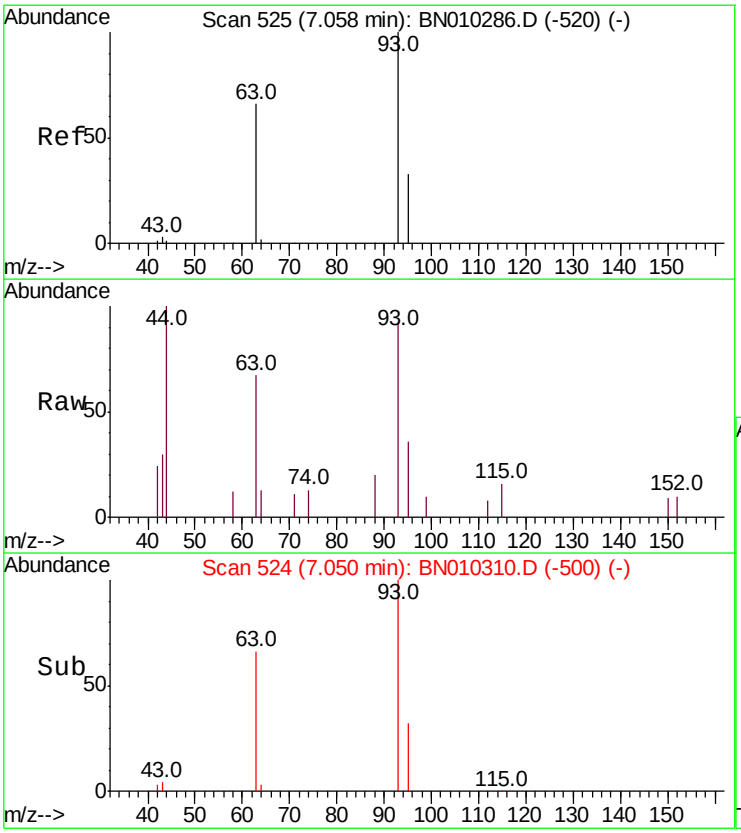
#5
Phenol-d6
Concen: 0.376 ng
RT: 6.79 min Scan# 492
Delta R.T. -0.01 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion: 99 Resp: 3651

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.8	22.2
71	34.5	27.3	40.9

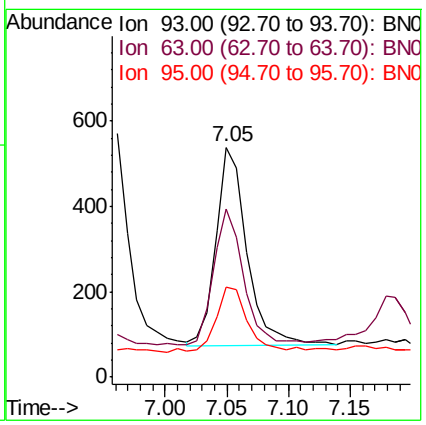


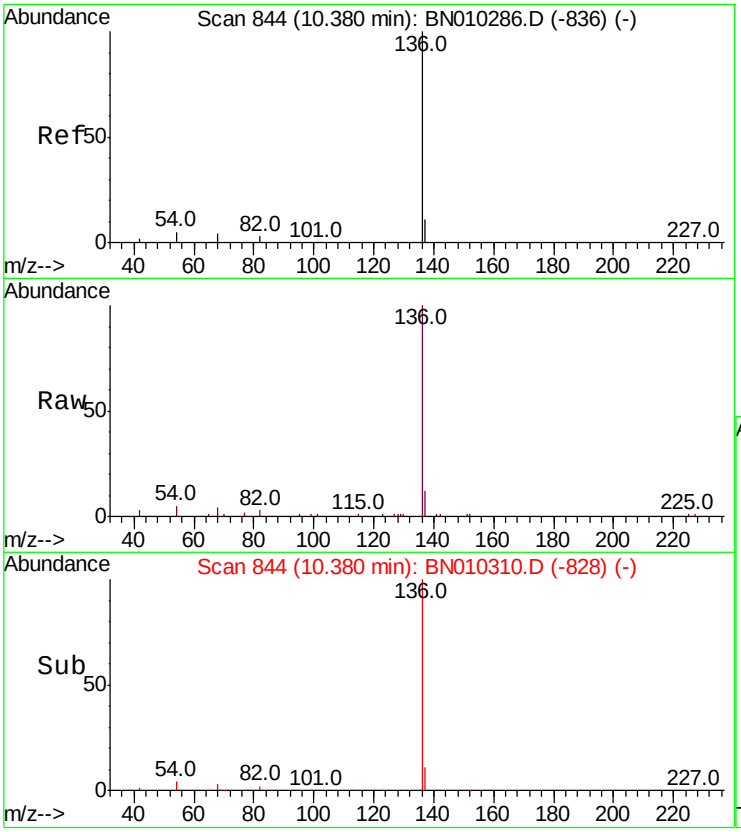


#6
bis(2-Chloroethyl)ether
Concen: 0.088 ng
RT: 7.05 min Scan# 524
Delta R.T. -0.01 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion: 93 Resp: 819

Ion	Ratio	Lower	Upper
93	100		
63	66.7	55.6	83.4
95	35.4	26.2	39.4



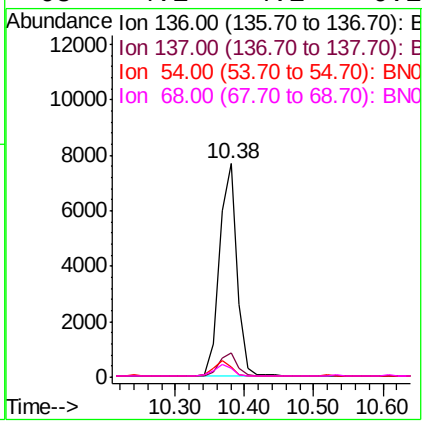


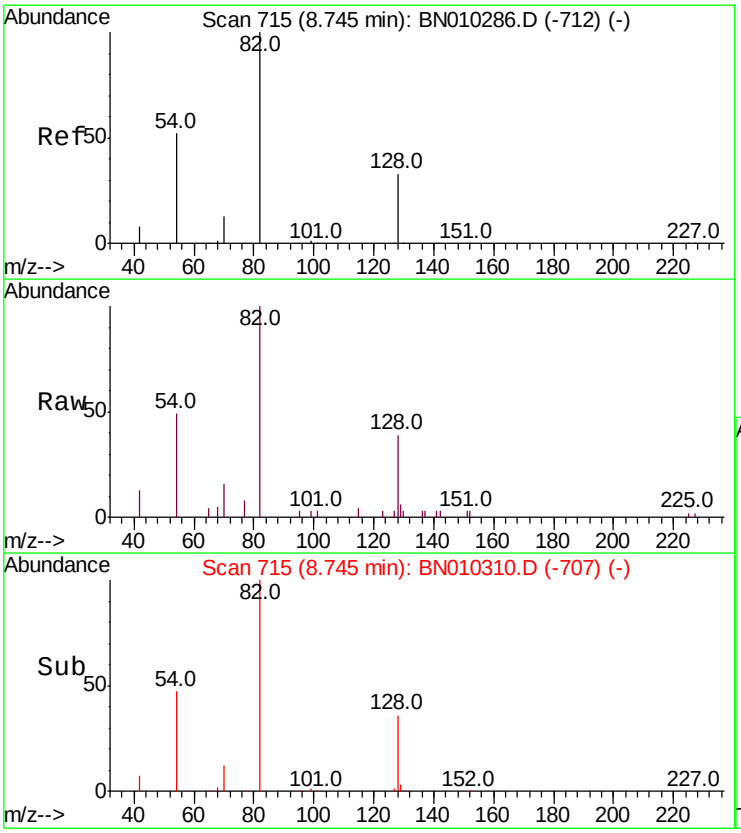
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:136 Resp: 13532

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.3	13.9
54	4.7	4.8	7.2#
68	4.1	4.1	6.1

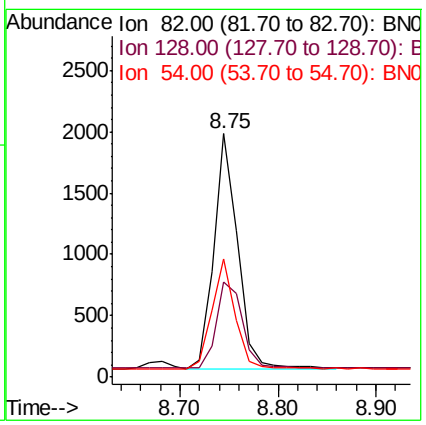


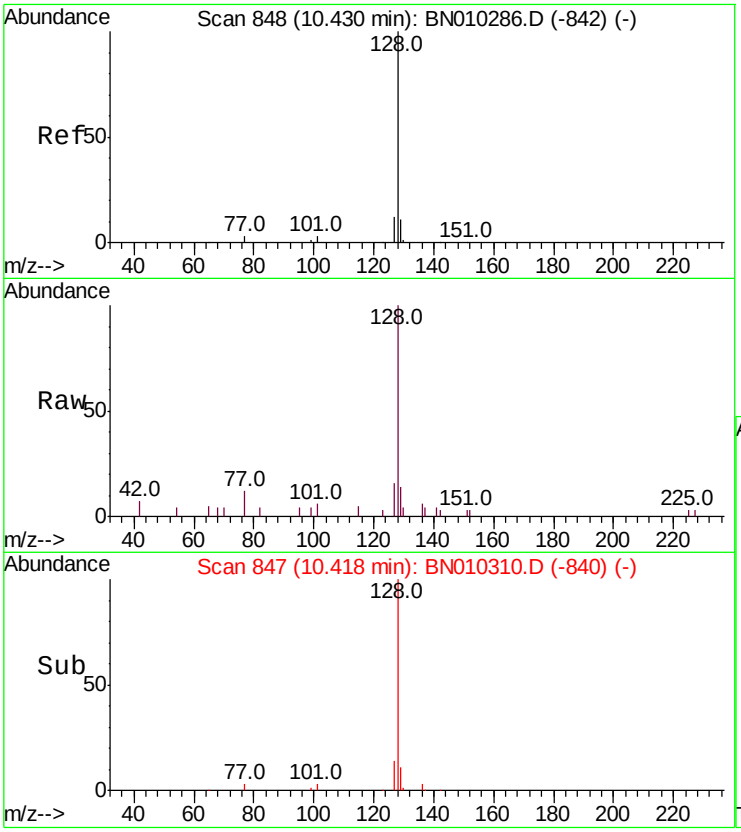


#8
Nitrobenzene-d5
Concen: 0.372 ng
RT: 8.75 min Scan# 715
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion: 82 Resp: 3226

Ion	Ratio	Lower	Upper
82	100		
128	38.9	28.8	43.2
54	48.7	42.1	63.1



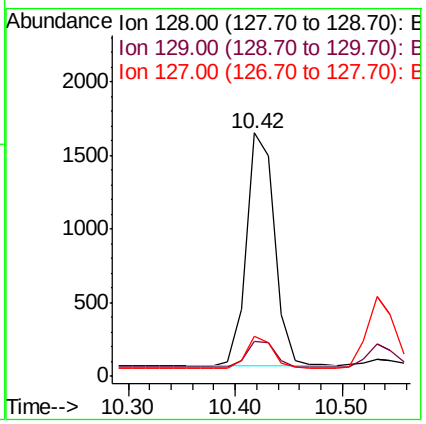


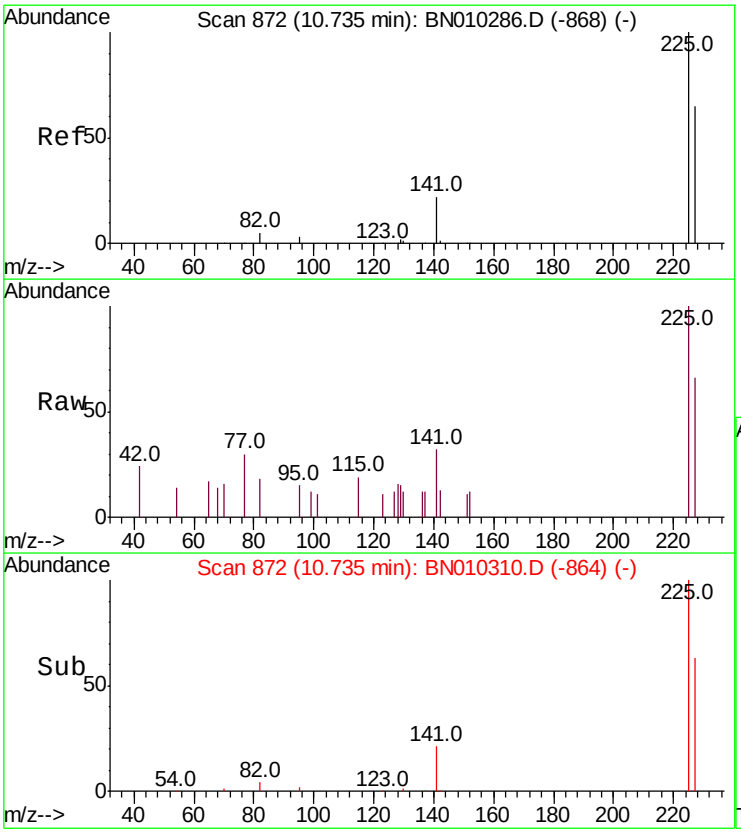
#9
Naphthalene
Concen: 0.086 ng
RT: 10.42 min Scan# 847
Delta R.T. -0.01 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:128 Resp: 2901

Ion	Ratio	Lower	Upper
128	100		
129	14.3	9.1	13.7#
127	16.3	10.4	15.6#

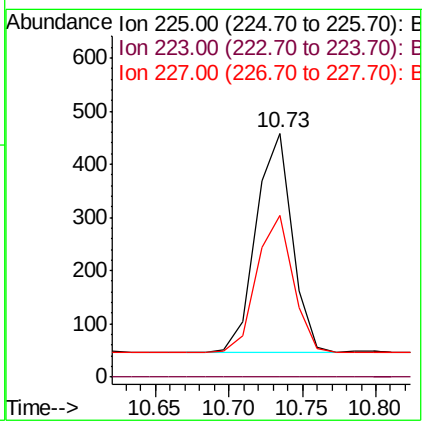


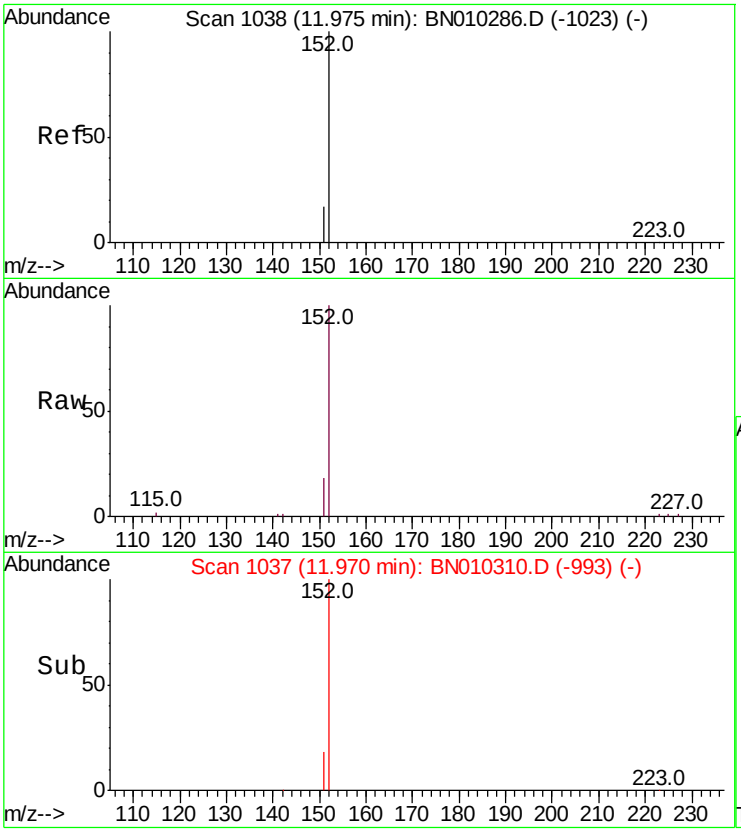


#10
Hexachlorobutadiene
Concen: 0.085 ng
RT: 10.73 min Scan# 872
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:225 Resp: 697

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	51.9	77.9



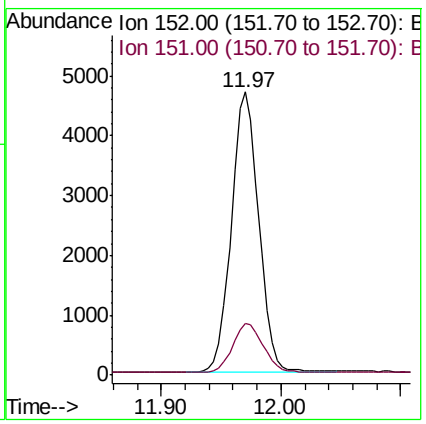


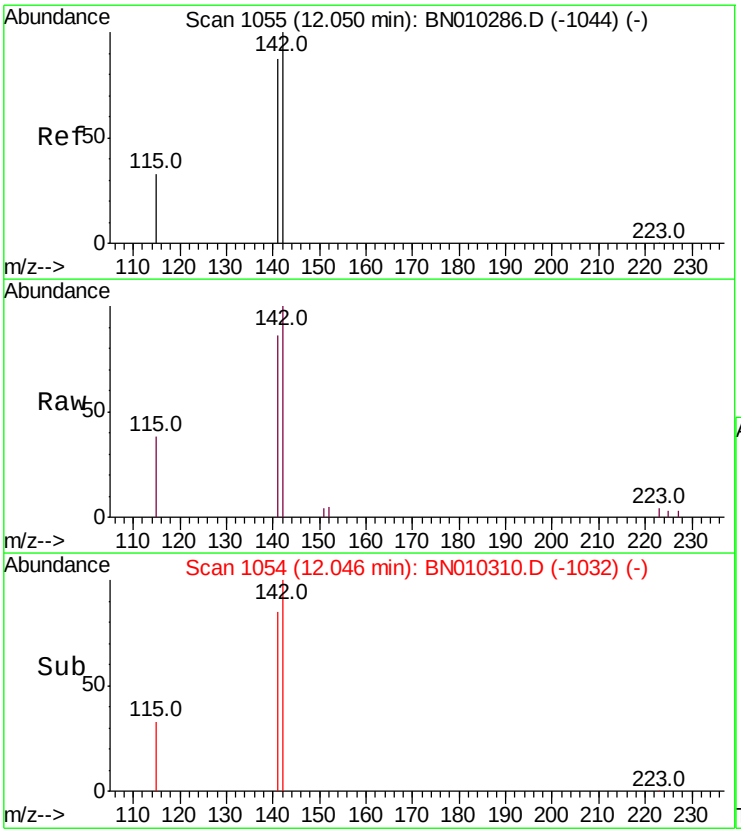
#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:152 Resp: 7384

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2

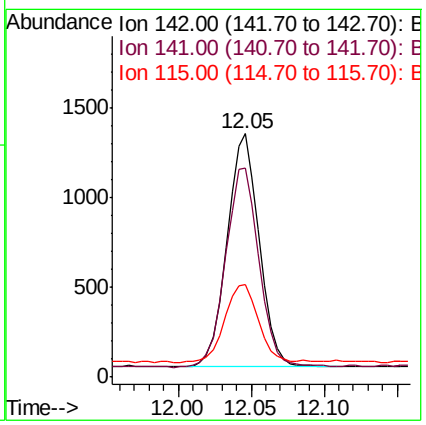


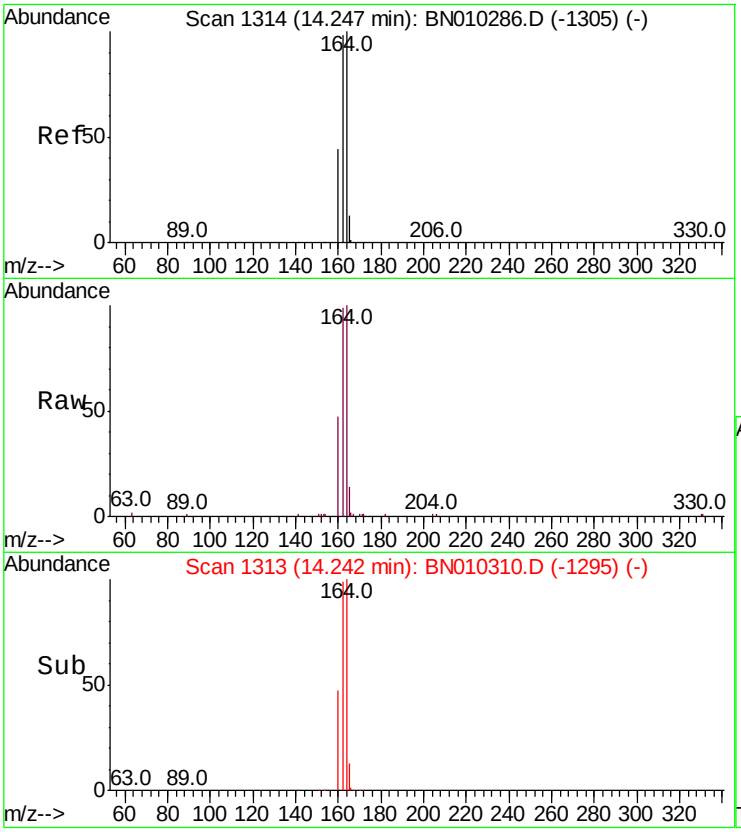


#12
2-Methylnaphthalene
Concen: 0.085 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:142 Resp: 1996

Ion	Ratio	Lower	Upper
142	100		
141	86.1	69.5	104.3
115	38.0	27.5	41.3



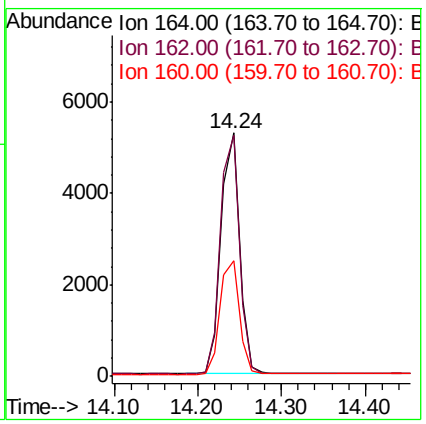


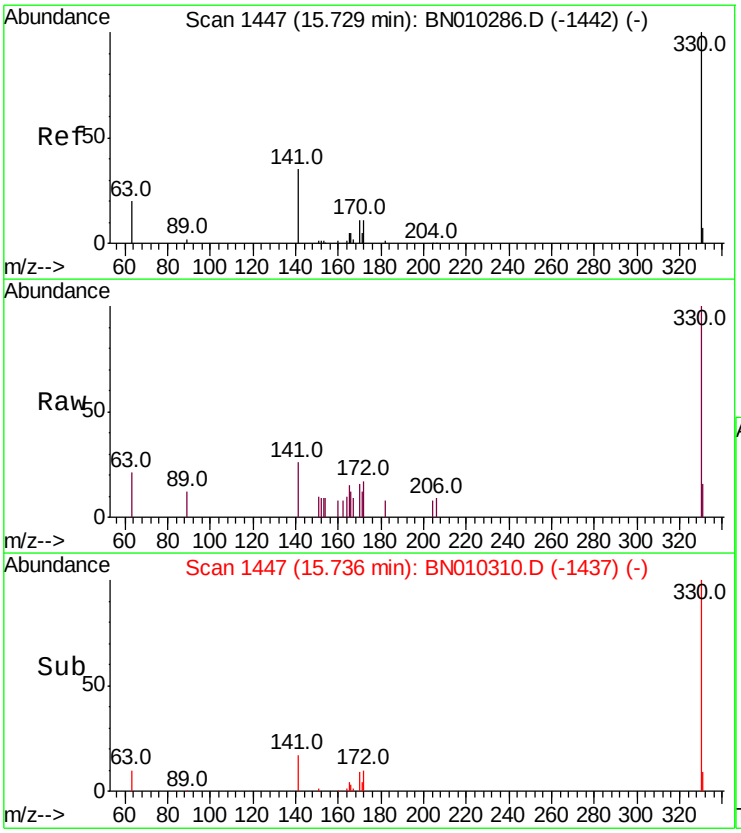
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:164 Resp: 8137

Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.2	117.2
160	47.2	35.8	53.6

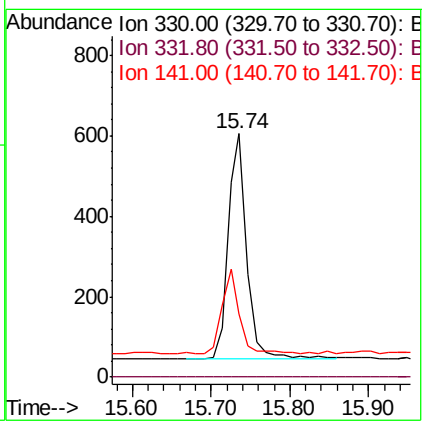


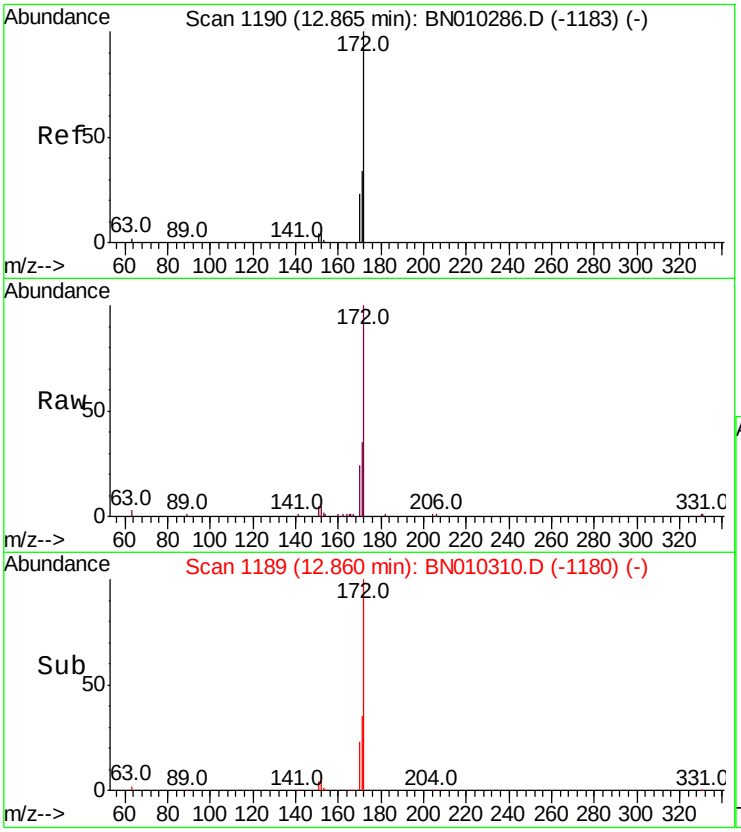


#14
2,4,6-Tribromophenol
Concen: 0.300 ng
RT: 15.74 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:330 Resp: 938

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.6	29.3	43.9



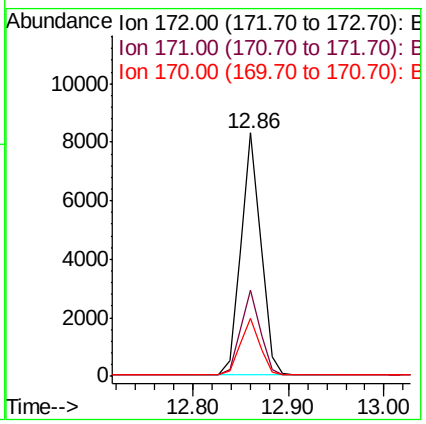


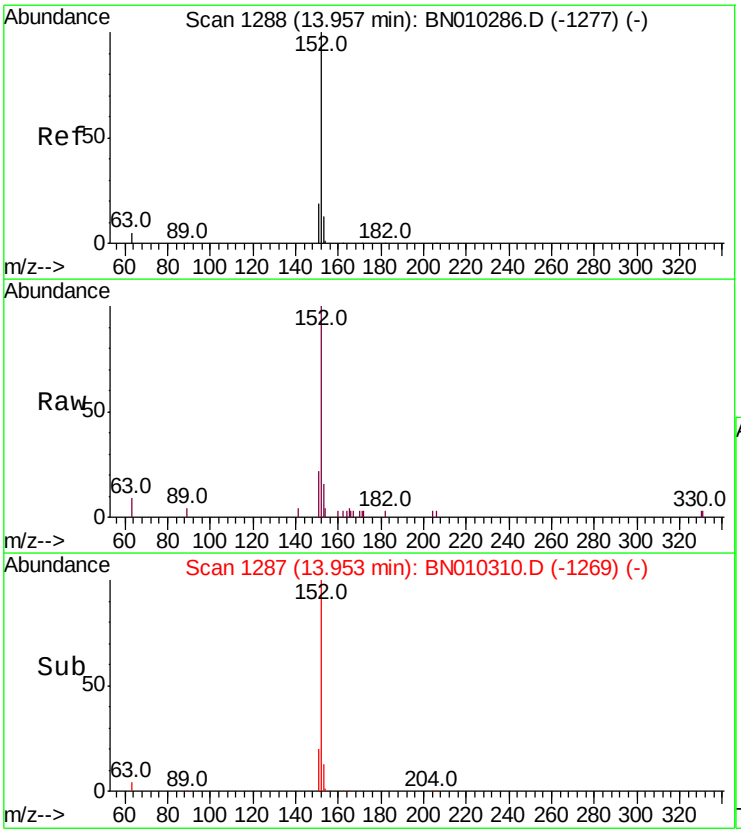
#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 12.86 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:172 Resp: 11961

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.6	41.4
170	23.6	18.5	27.7

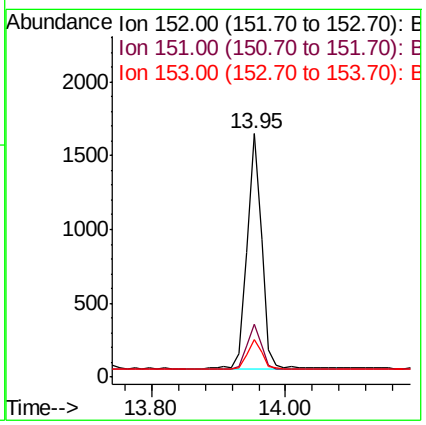


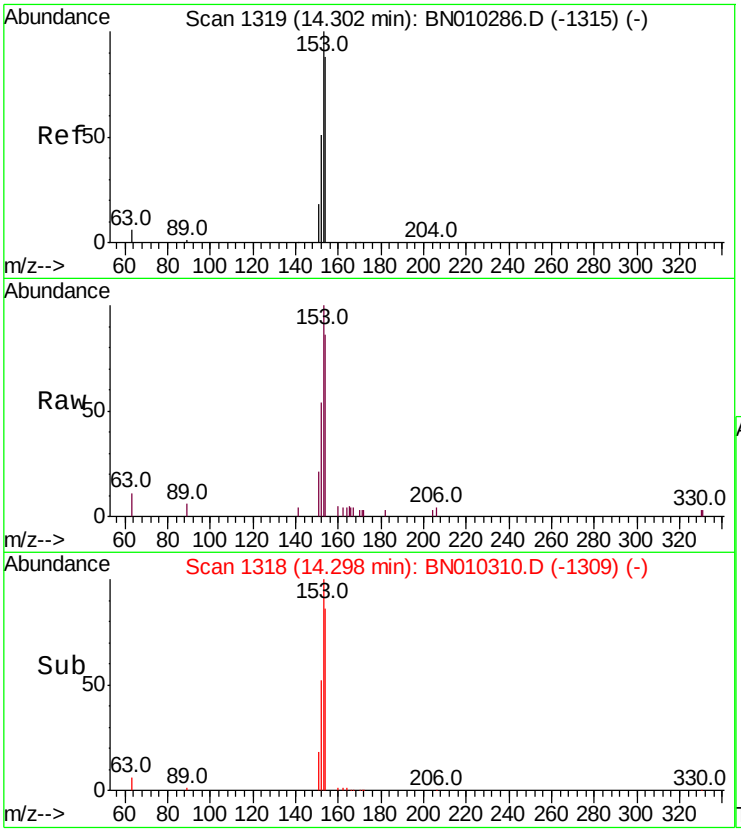


#16
Acenaphthylene
Concen: 0.076 ng
RT: 13.95 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:152 Resp: 2427

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.6	23.4
153	13.2	10.6	15.8



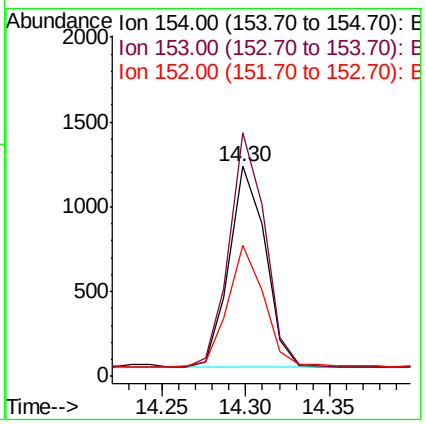


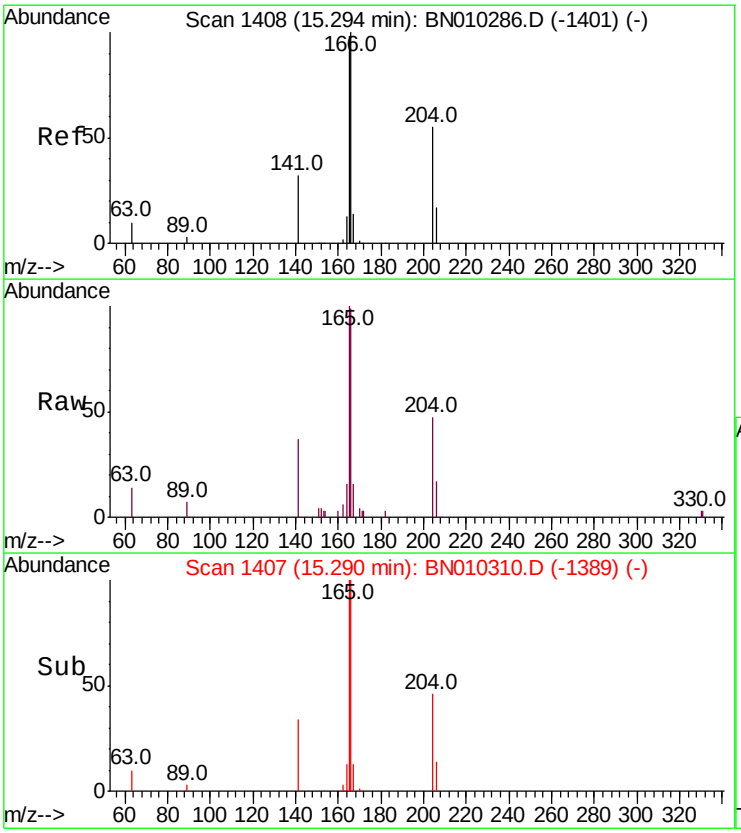
#17
Acenaphthene
Concen: 0.078 ng
RT: 14.30 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:154 Resp: 1775

Ion	Ratio	Lower	Upper
154	100		
153	115.7	88.1	132.1
152	61.0	45.5	68.3

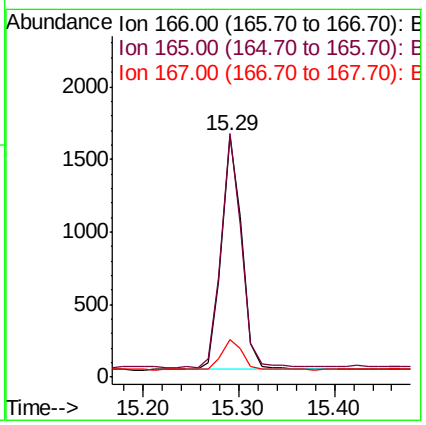


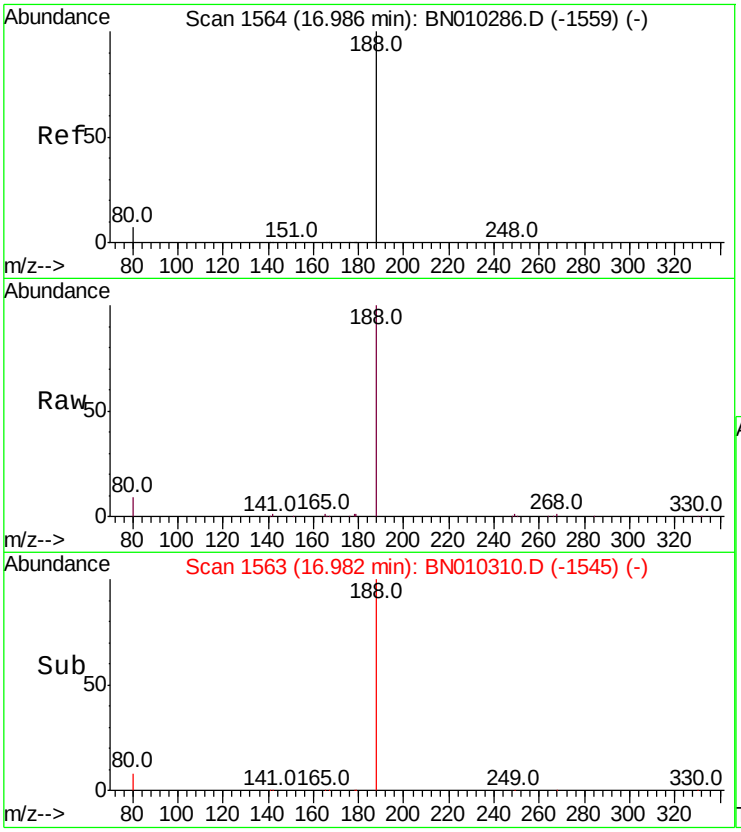


#18
Fluorene
Concen: 0.079 ng
RT: 15.29 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:166 Resp: 2378

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.7	118.1
167	13.4	11.0	16.4



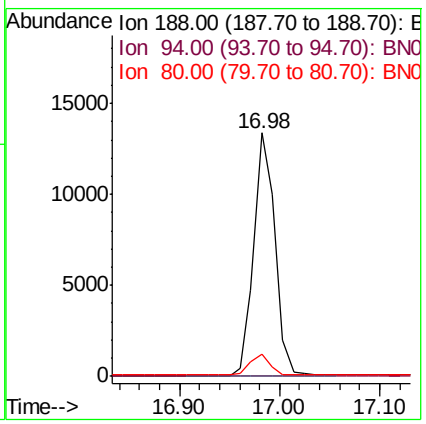


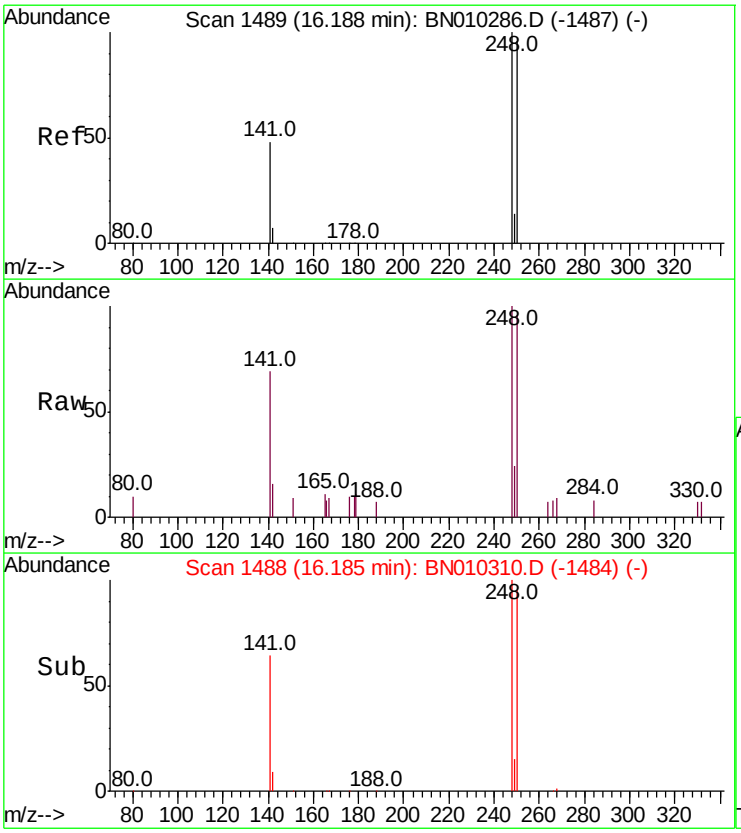
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.98 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:188 Resp: 19676

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	6.0	9.0

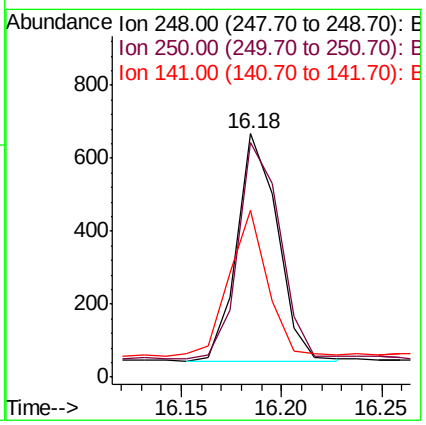


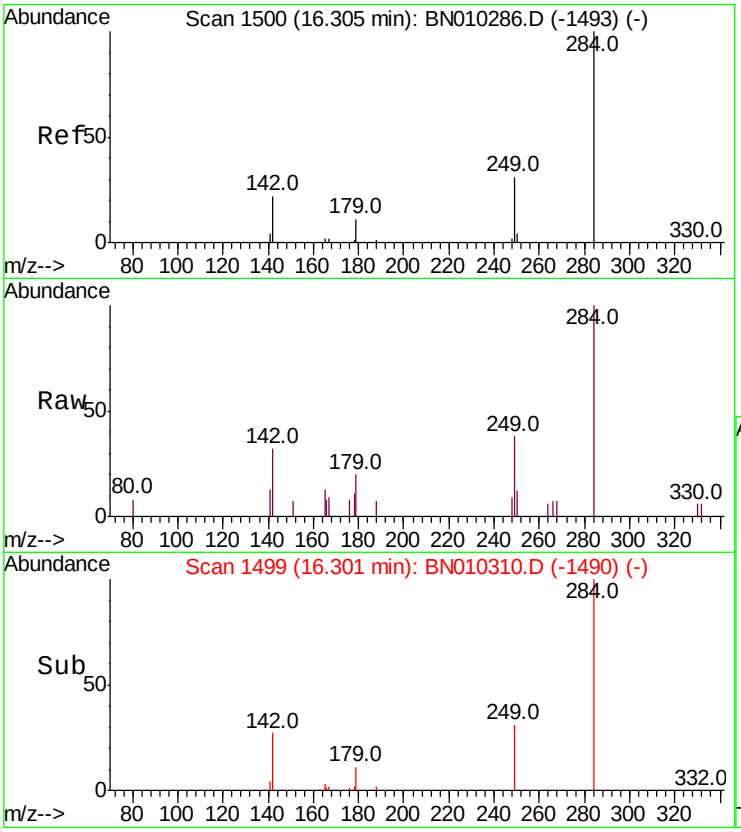


#20
4-Bromophenyl-phenylether
Concen: 0.073 ng
RT: 16.18 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:248 Resp: 873

Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.8	115.2
141	68.6	44.4	66.6#



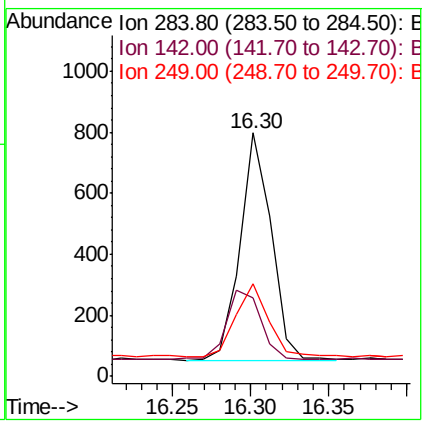


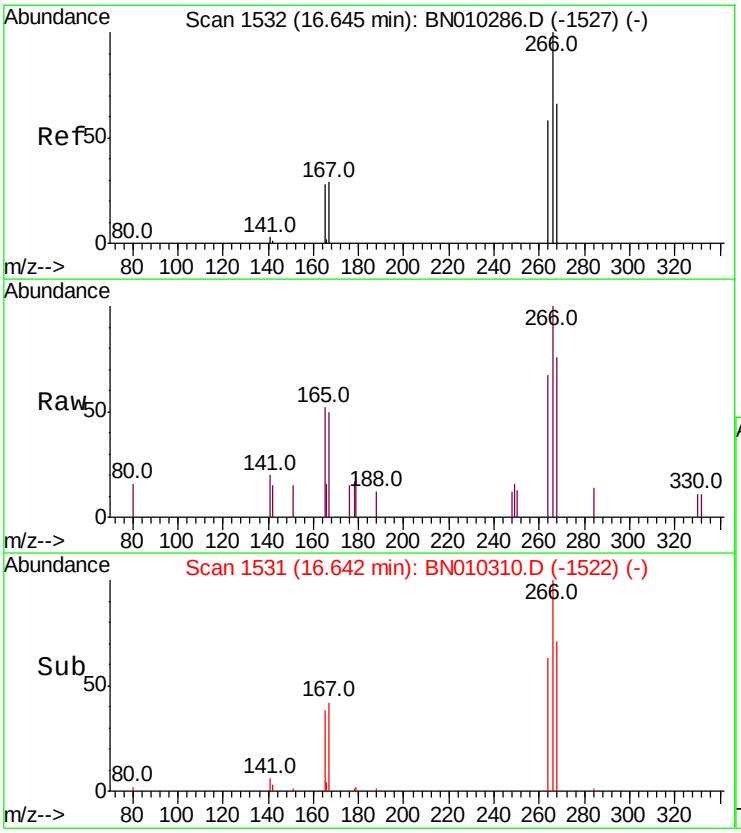
#21
Hexachlorobenzene
Concen: 0.084 ng
RT: 16.30 min Scan# 1499
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:284 Resp: 1028

Ion	Ratio	Lower	Upper
284	100		
142	33.4	27.4	41.2
249	34.1	26.5	39.7

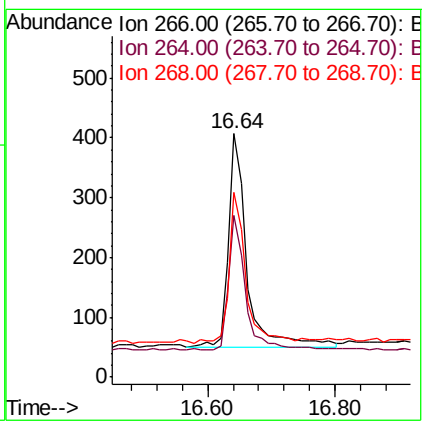


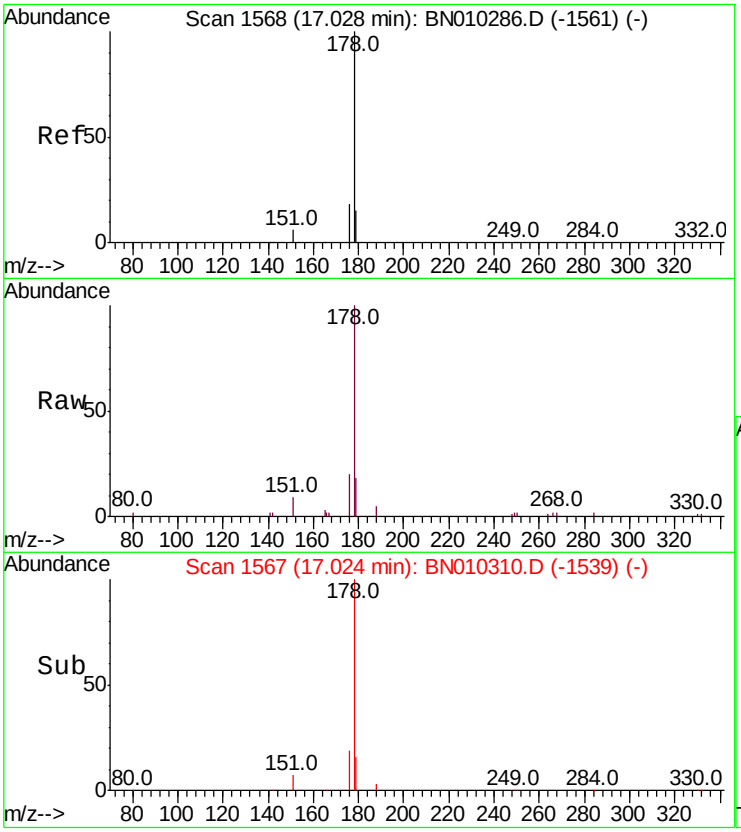


#22
Pentachlorophenol
Concen: 0.167 ng
RT: 16.64 min Scan# 1531
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:266 Resp: 700

Ion	Ratio	Lower	Upper
266	100		
264	66.6	47.7	71.5
268	76.2	54.9	82.3



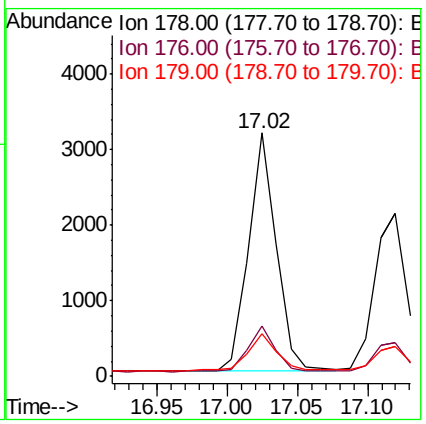


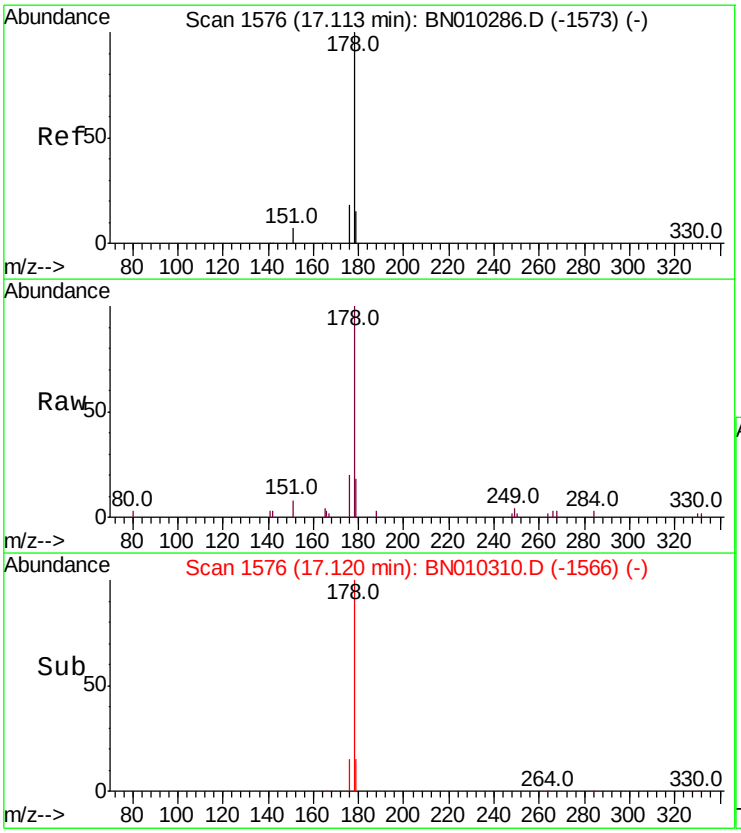
#23
Phenanthrene
Concen: 0.080 ng
RT: 17.02 min Scan# 1567
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:178 Resp: 4338

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	16.3	12.4	18.6

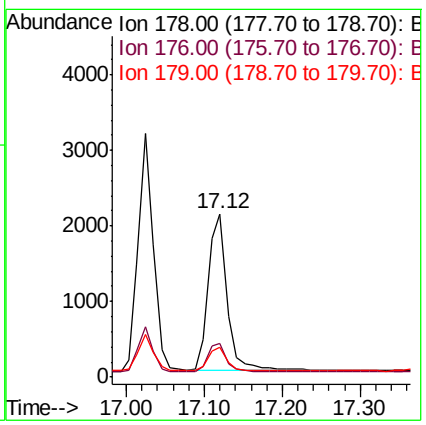


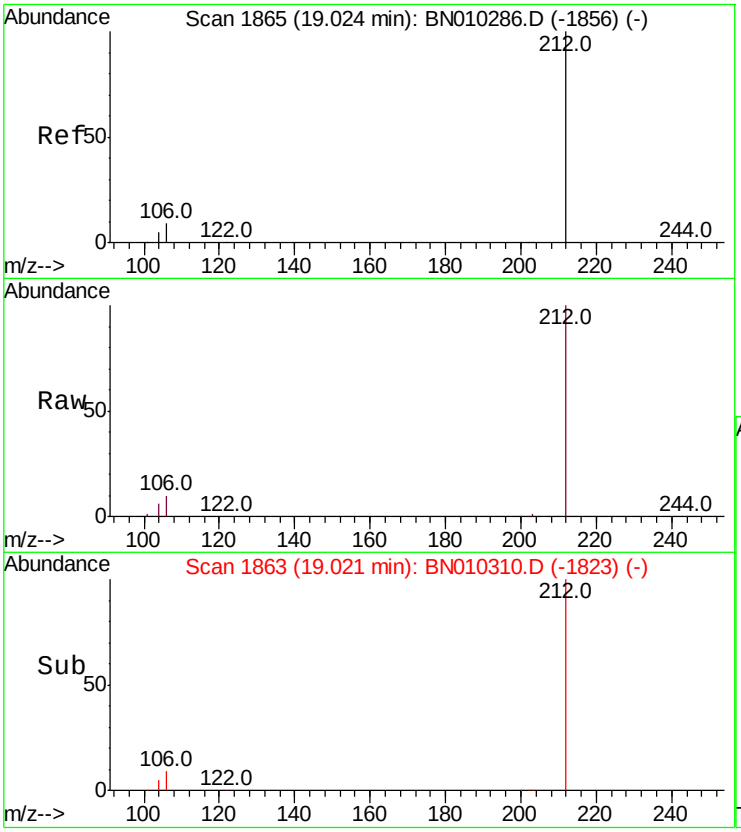


#24
Anthracene
Concen: 0.075 ng
RT: 17.12 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:178 Resp: 3470

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.5	21.7
179	15.0	12.3	18.5



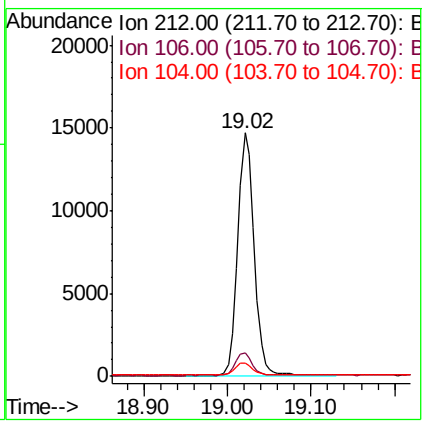


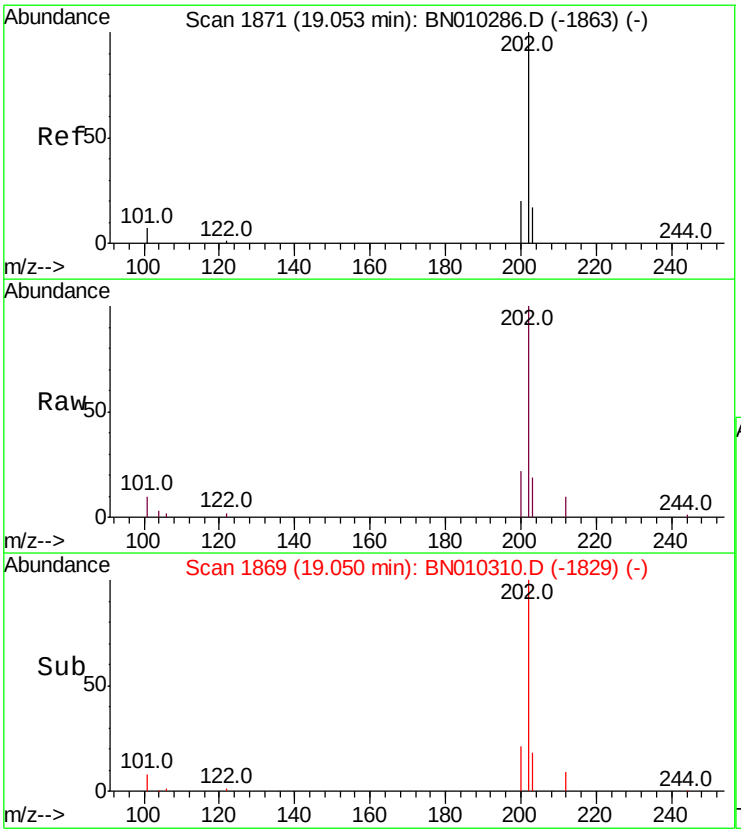
#25
Fluoranthene-d10
Concen: 0.337 ng
RT: 19.02 min Scan# 1863
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:212 Resp: 19969

Ion	Ratio	Lower	Upper
212	100		
106	9.4	7.4	11.2
104	5.3	4.2	6.4

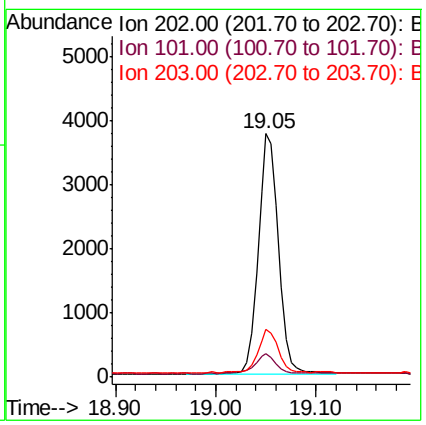


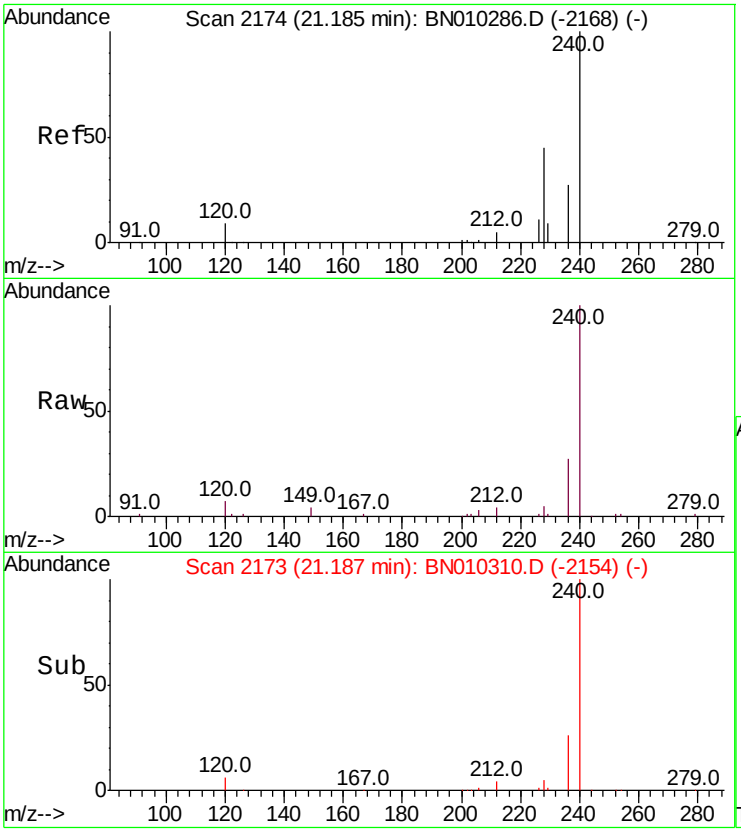


#26
Fluoranthene
Concen: 0.080 ng
RT: 19.05 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:202 Resp: 5279

Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.6	9.8
203	17.6	13.8	20.8



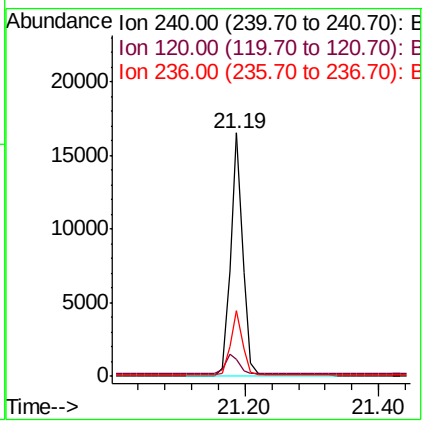


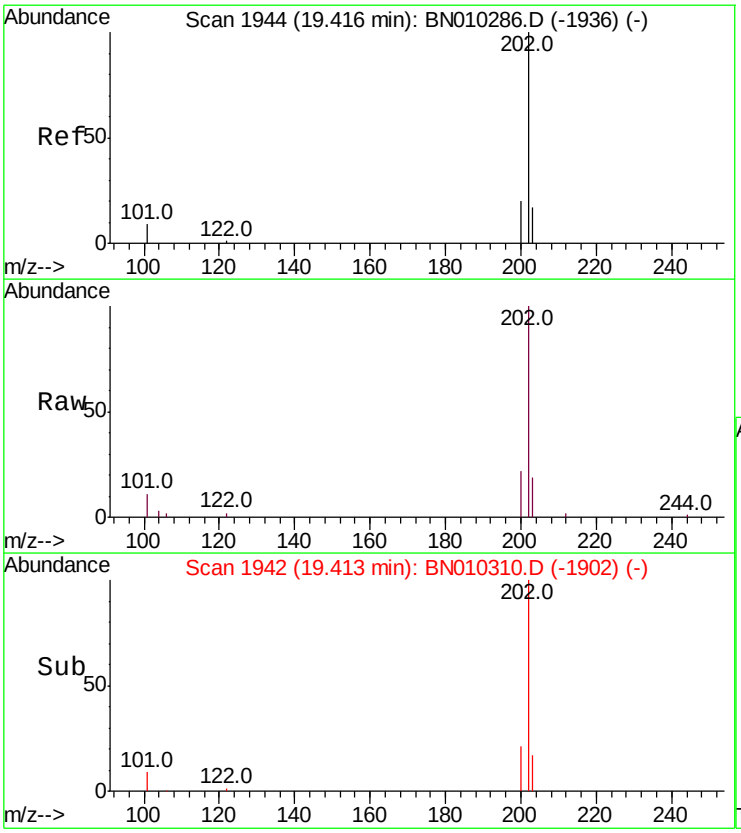
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:240 Resp: 20791

Ion	Ratio	Lower	Upper
240	100		
120	6.8	7.9	11.9#
236	26.8	22.2	33.4

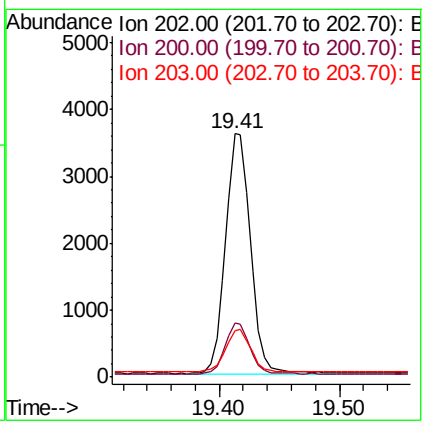


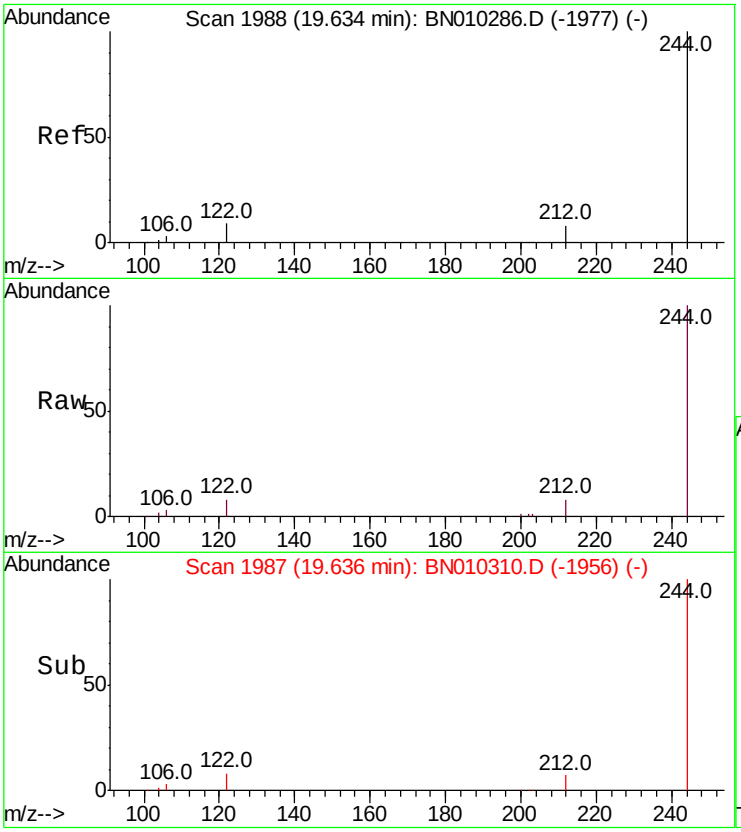


#28
Pyrene
Concen: 0.080 ng
RT: 19.41 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:202 Resp: 5175

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	17.6	14.2	21.2



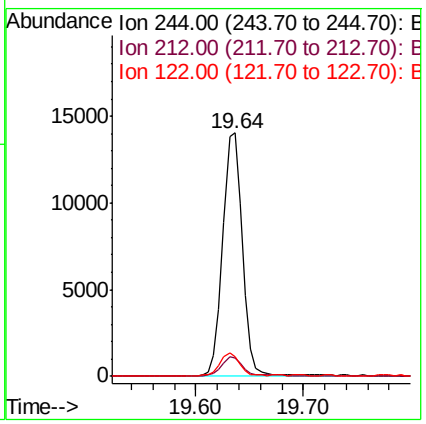


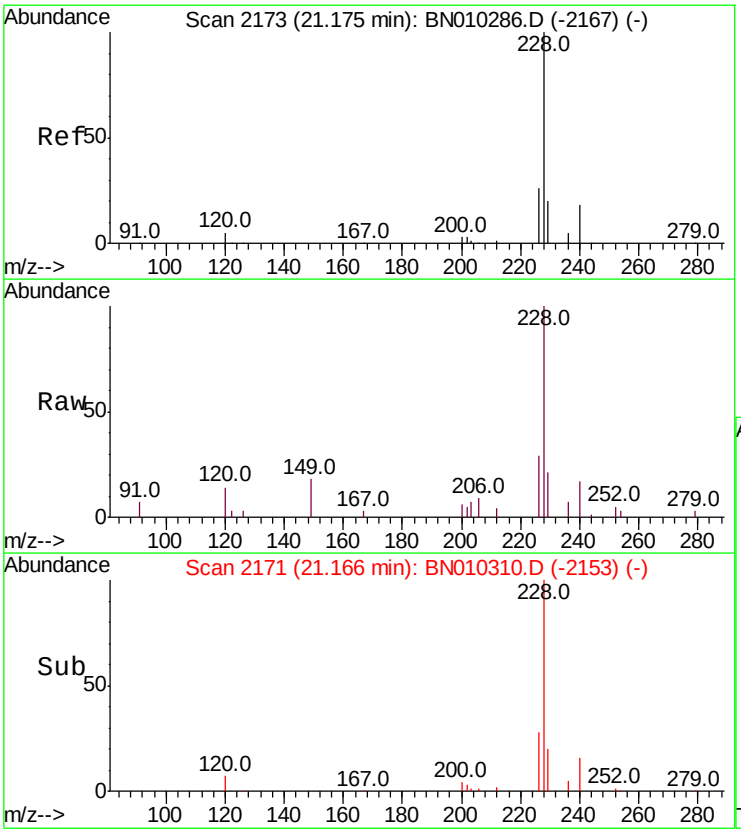
#29
Terphenyl-d14
Concen: 0.392 ng
RT: 19.64 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:244 Resp: 17587

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.3	9.5
122	8.2	7.6	11.4

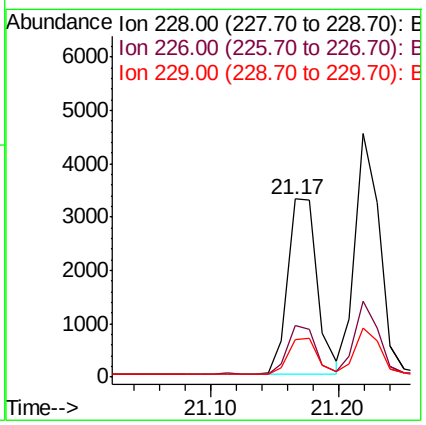


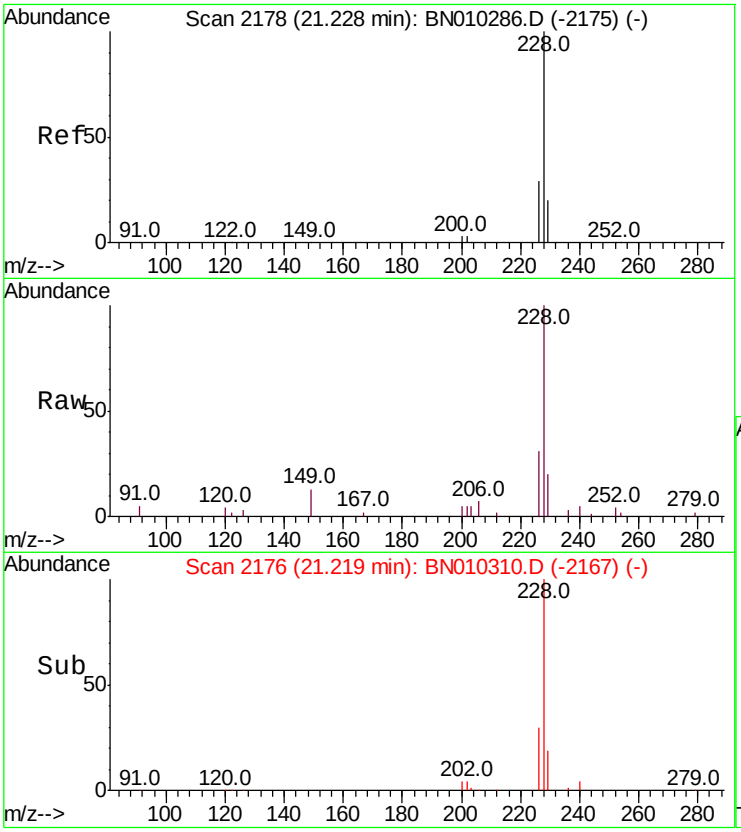


#30
Benzo(a)anthracene
Concen: 0.079 ng
RT: 21.17 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:228 Resp: 5242

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.0	31.4
229	20.8	16.0	24.0



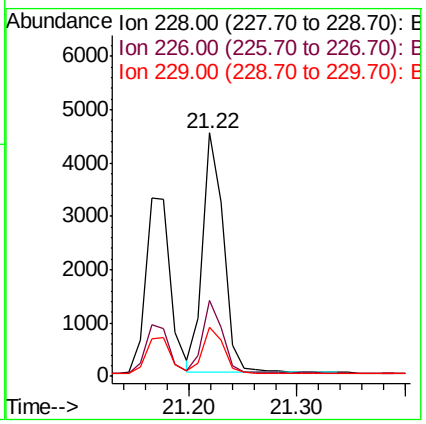


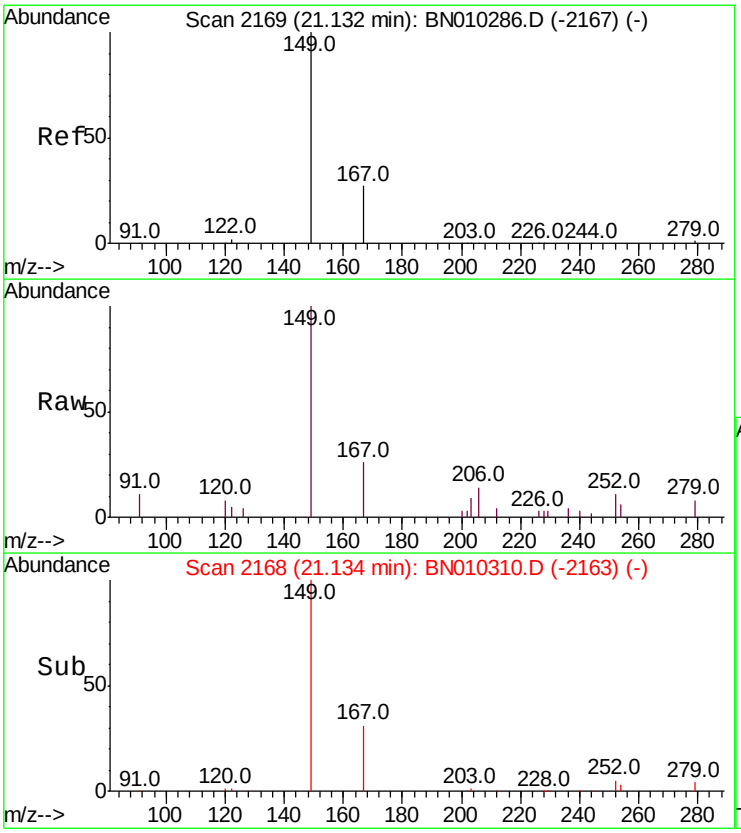
#31
Chrysene
Concen: 0.085 ng
RT: 21.22 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:228 Resp: 6026

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.0	34.6
229	19.9	16.0	24.0

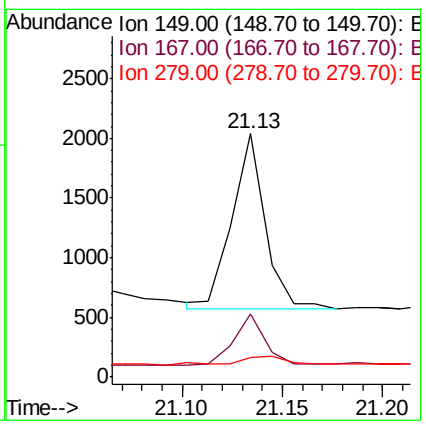


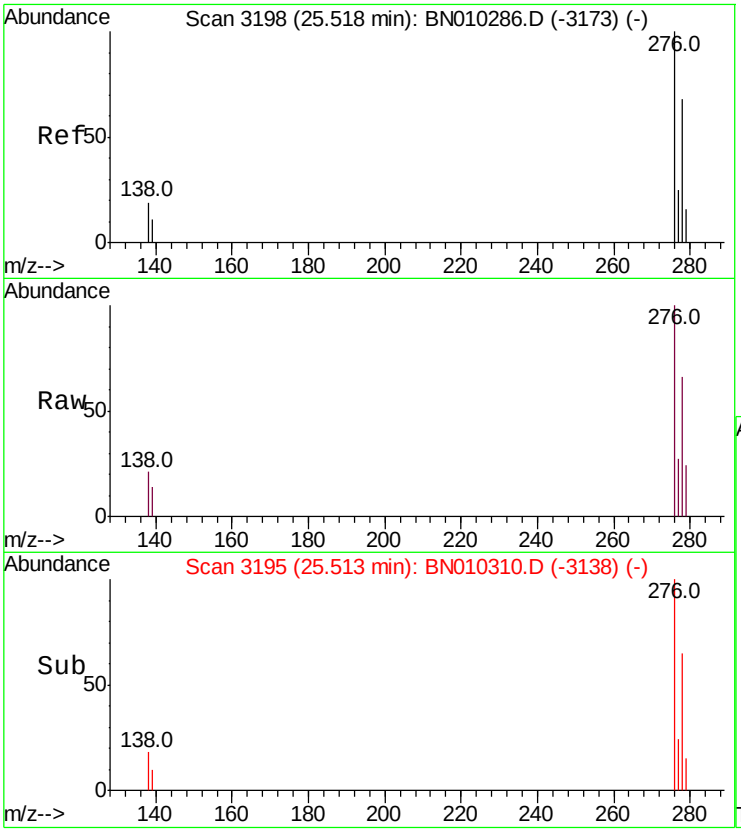


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.075 ng
RT: 21.13 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:149 Resp: 1685

Ion	Ratio	Lower	Upper
149	100		
167	26.8	23.0	34.6
279	4.5	3.8	5.8



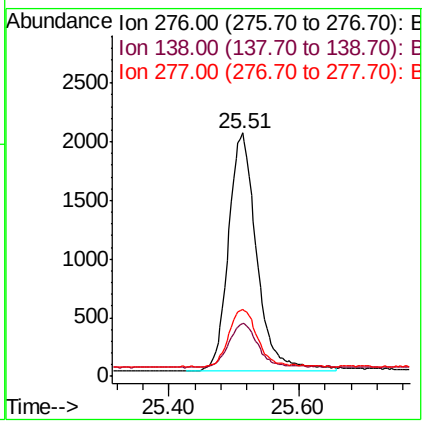


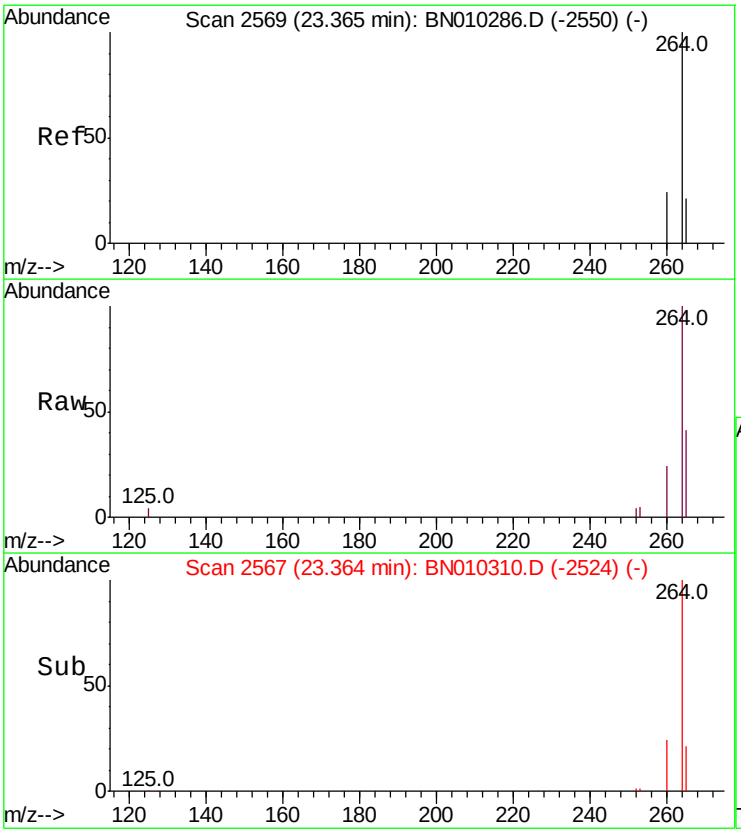
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.080 ng
RT: 25.51 min Scan# 3195
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:276 Resp: 6101

Ion	Ratio	Lower	Upper
276	100		
138	19.4	15.6	23.4
277	24.3	20.1	30.1

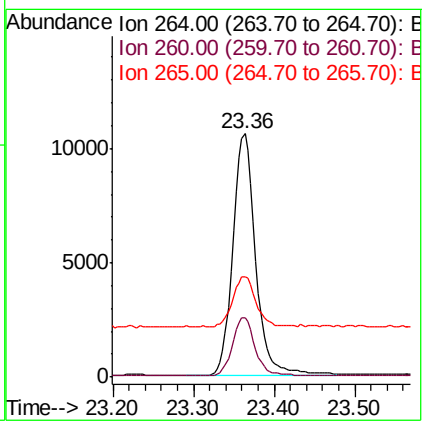


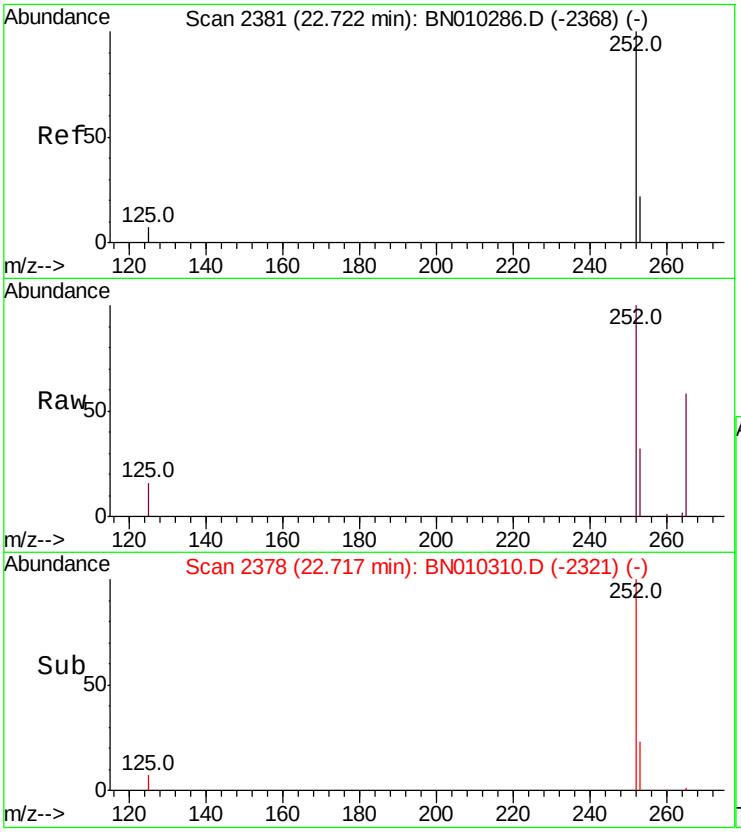


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.36 min Scan# 2567
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:264 Resp: 20773

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	41.4	32.4	48.6



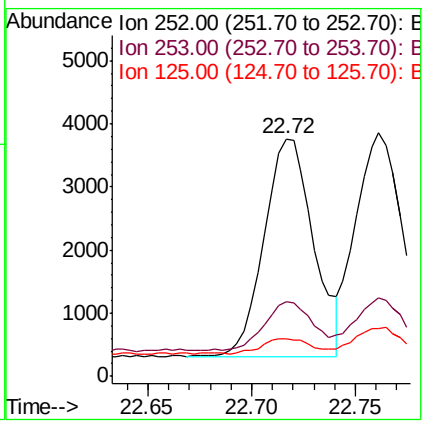


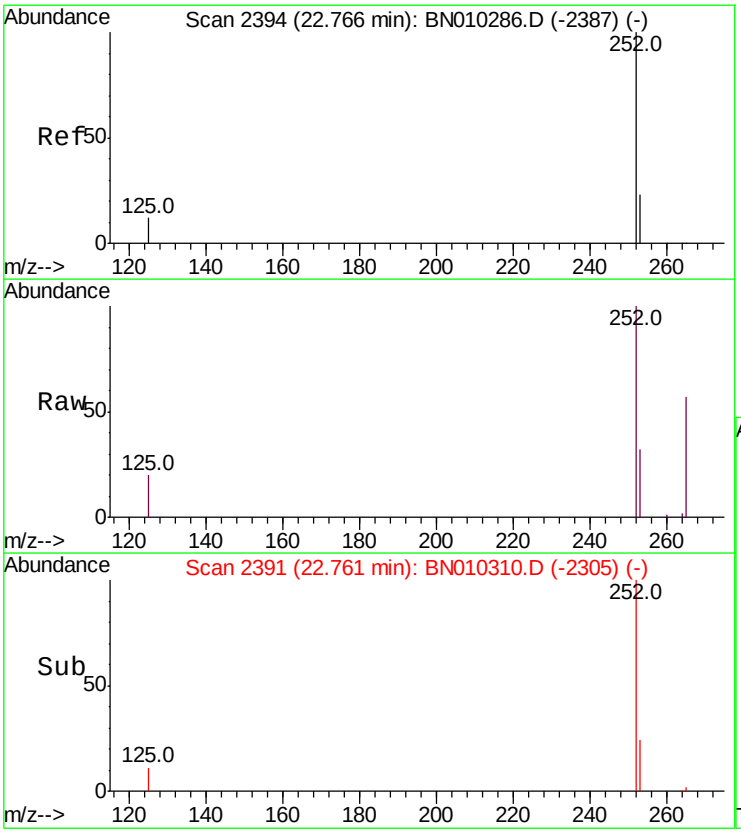
#35
Benzo(b)fluoranthene
Concen: 0.080 ng
RT: 22.72 min Scan# 2378
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:252 Resp: 5678

Ion	Ratio	Lower	Upper
252	100		
253	31.6	19.2	28.8#
125	16.0	7.4	11.0#

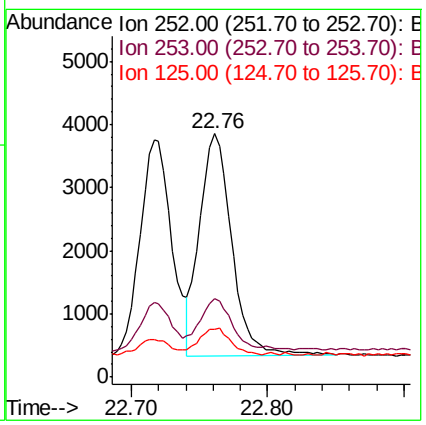


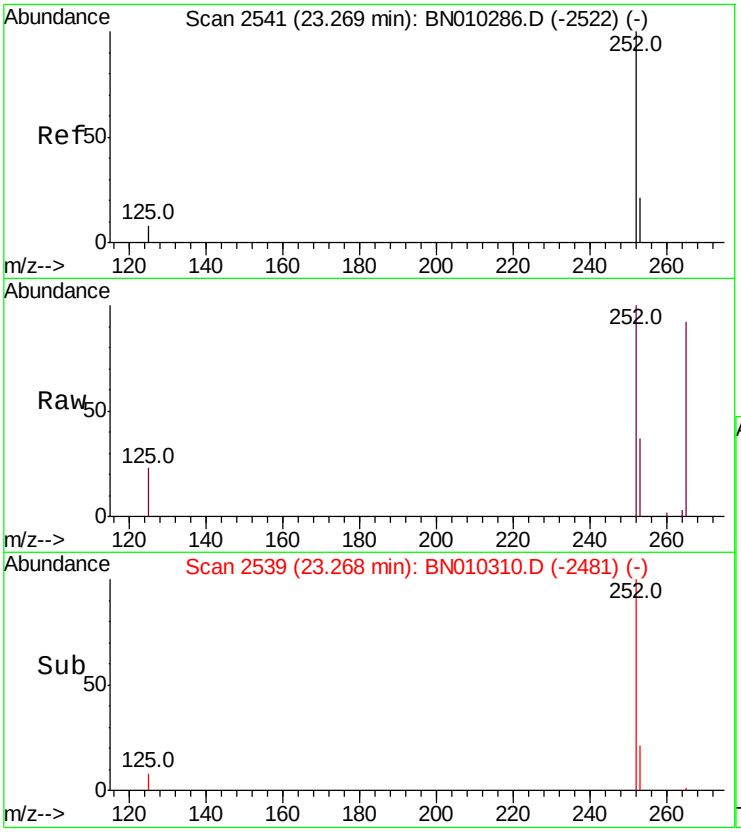


#36
Benzo(k)fluoranthene
Concen: 0.080 ng
RT: 22.76 min Scan# 2391
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:252 Resp: 5769

Ion	Ratio	Lower	Upper
252	100		
253	32.0	19.4	29.0#
125	19.9	10.2	15.2#



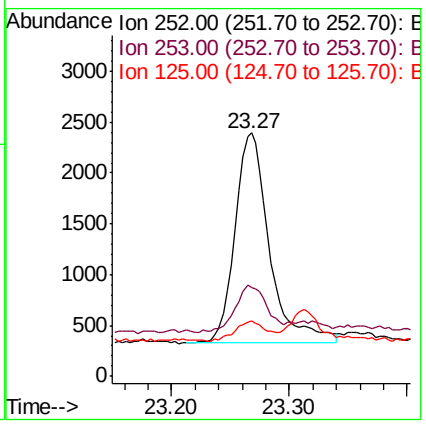


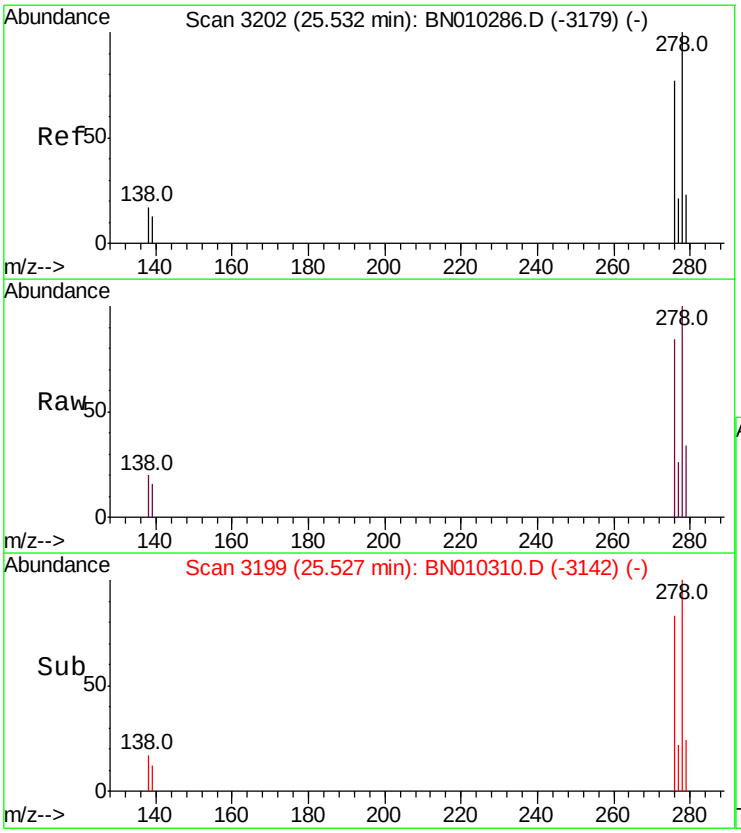
#37
Benzo(a)pyrene
Concen: 0.070 ng
RT: 23.27 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:252 Resp: 4173

Ion	Ratio	Lower	Upper
252	100		
253	36.7	19.9	29.9#
125	22.5	8.9	13.3#

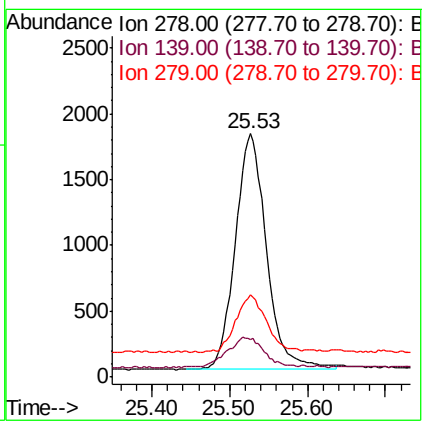


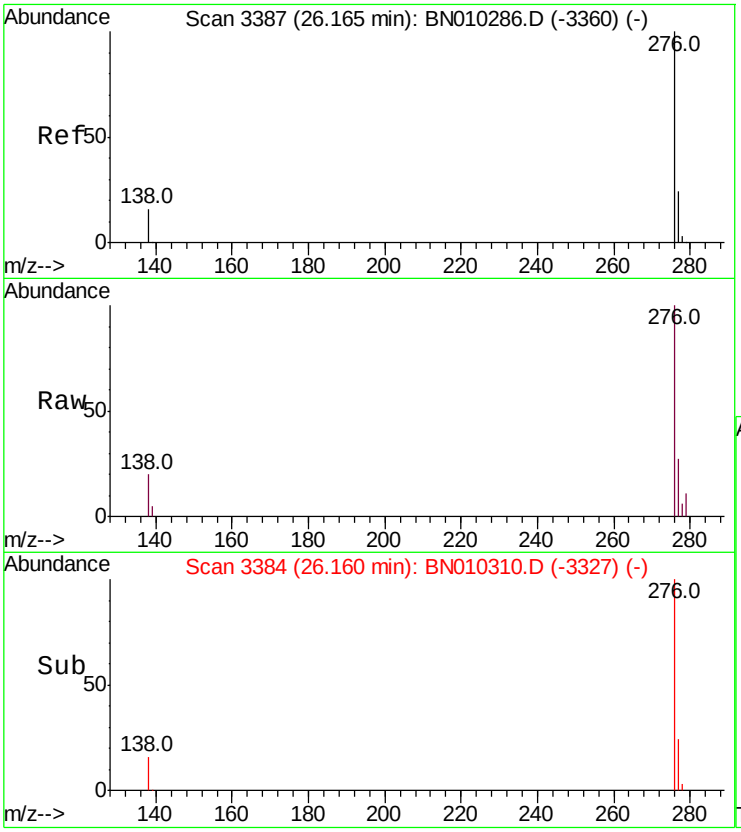


#38
Dibenzo(a,h)anthracene
Concen: 0.078 ng
RT: 25.53 min Scan# 3199
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:278 Resp: 4997

Ion	Ratio	Lower	Upper
278	100		
139	15.6	10.6	16.0
279	33.6	19.8	29.6#





#39
Benzo(g,h,i)perylene
Concen: 0.081 ng
RT: 26.16 min Scan# 3384
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

Tgt Ion:276 Resp: 5249

Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.6	29.4
138	19.9	13.3	19.9