Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051520\
Data File : BN010727.D
Acq On : 15 May 2020 12:26
Operator : CG/JU
Sample : L2182-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-WATER-03-QT2-2020

Quant Time: May 15 12:58:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 10:34:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	5005	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	19011	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	11587	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	24806	0.40	ng		0.00
27) Chrysene-d12	21.15	240	19389	0.40	ng		0.00
34) Perylene-d12	23.32	264	17920	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	2519	0.26	ng		0.00
5) Phenol-d6	6.77	99	2953	0.25	ng		0.00
8) Nitrobenzene-d5	8.72	82	3129	0.24	ng		0.01
11) 2-Methylnaphthalene-d10	11.93	152	6984	0.23	ng		0.00
14) 2,4,6-Tribromophenol	15.72	330	873	0.21	ng		0.02
15) 2-Fluorobiphenyl	12.83	172	9970	0.23	ng		0.02
25) Fluoranthene-d10	18.99	212	14422	0.21	ng		0.00
29) Terphenyl-d14	19.60	244	11362	0.25	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.24	88	275	0.064	ng	#	95
3) n-Nitrosodimethylamine	3.61	42	128	0.052	ng	#	95
6) bis(2-Chloroethyl)ether	7.03	93	745	0.060	ng		95
9) Naphthalene	10.38	128	3124	0.065	ng		95
10) Hexachlorobutadiene	10.67	225	671	0.061	ng	#	97
12) 2-Methylnaphthalene	12.00	142	2114	0.063	ng		97
16) Acenaphthylene	13.92	152	2661	0.056	ng		99
17) Acenaphthene	14.27	154	1939	0.061	ng		99
18) Fluorene	15.26	166	2480	0.059	ng		99
20) 4-Bromophenyl-phenylether	16.17	248	719	0.052	ng		94
21) Hexachlorobenzene	16.27	284	1021	0.063	ng		98
22) Pentachlorophenol	16.62	266	516	0.102	ng		96
23) Phenanthrene	17.00	178	3987	0.060	ng		98
24) Anthracene	17.09	178	3033	0.054	ng		99
26) Fluoranthene	19.02	202	4526	0.060	ng		98
28) Pyrene	19.39	202	4380	0.063	ng		99
30) Benzo(a)anthracene	21.14	228	3650	0.065	ng		95
31) Chrysene	21.20	228	4010	0.063	ng		98
32) Bis(2-ethylhexyl)phthalate	21.09	149	2231	0.090	ng		99
33) Indeno(1,2,3-cd)pyrene	25.48	276	3440	0.060	ng		99
35) Benzo(b)fluoranthene	22.69	252	3514	0.059	ng	#	68
36) Benzo(k)fluoranthene	22.73	252	3901	0.061	ng	#	68
37) Benzo(a)pyrene	23.24	252	2901	0.057	ng	#	49
38) Dibenzo(a,h)anthracene	25.49	278	2726	0.062	ng	#	67
39) Benzo(g,h,i)perylene	26.11	276	3260	0.063	ng	#	87

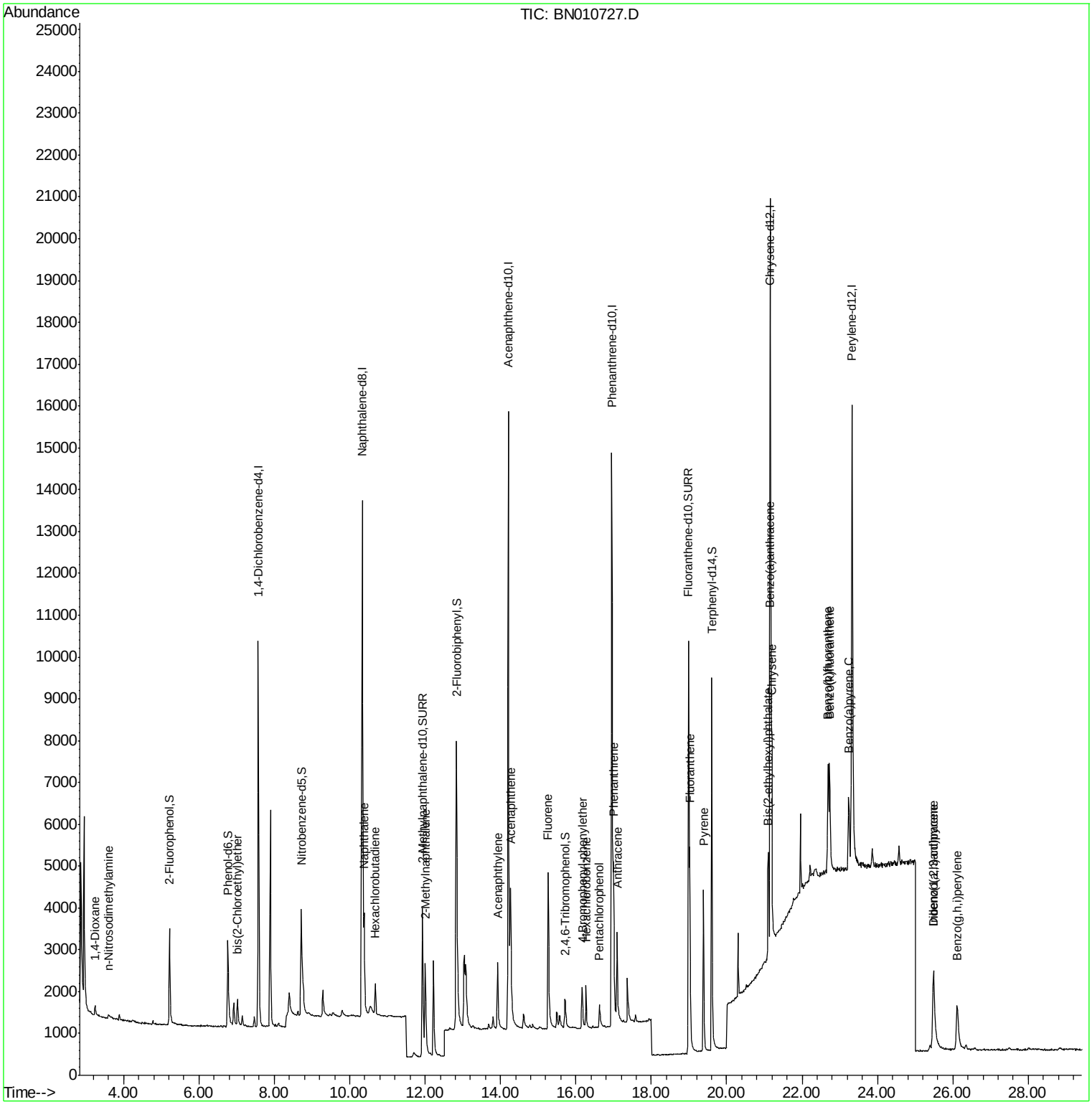
(#) = qualifier out of range (m) = manual integration (+) = signals summed

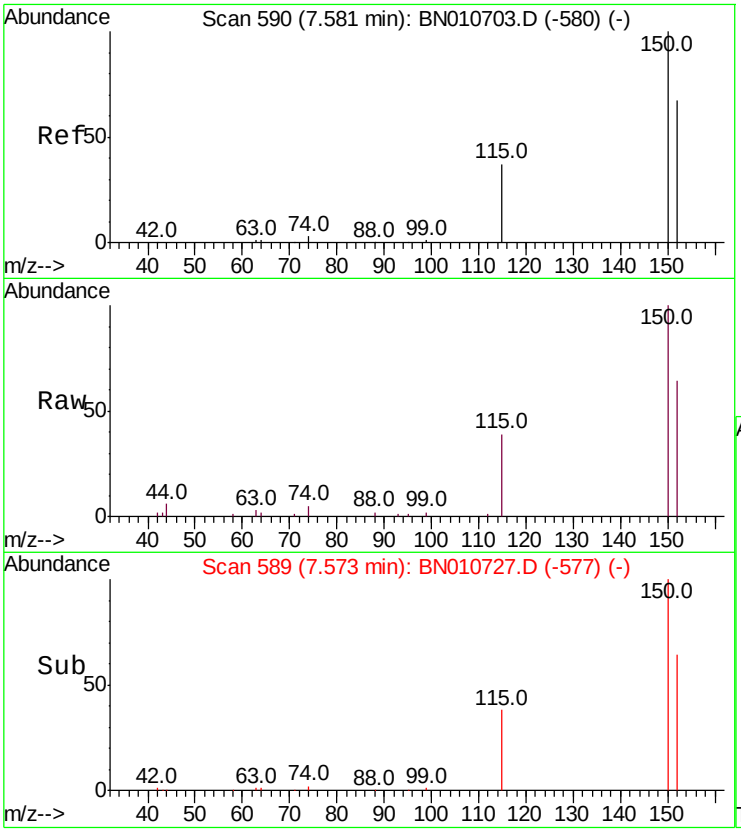
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN051520\
Data File : BN010727.D
Acq On : 15 May 2020 12:26
Operator : CG/JU
Sample : L2182-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Quant Time: May 15 12:58:22 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 15 10:34:23 2020
Response via : Initial Calibration



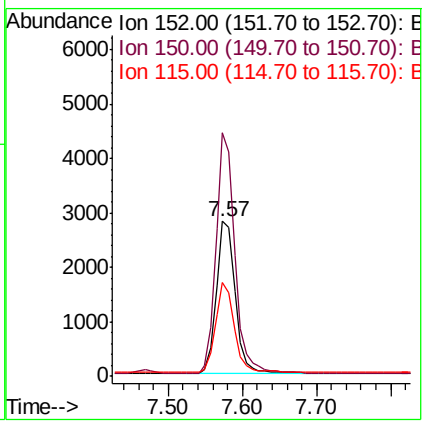


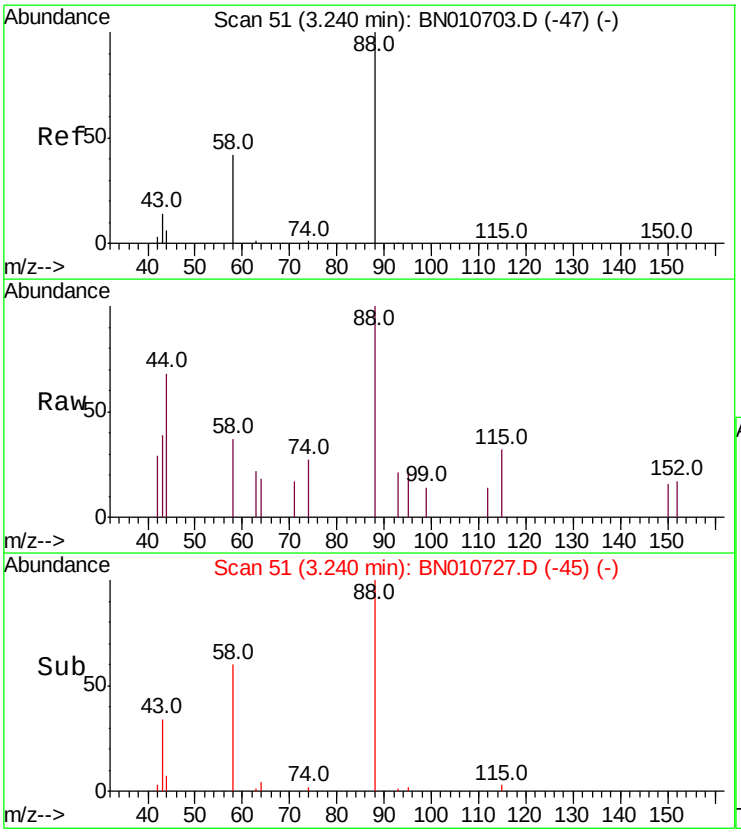
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.57 min Scan# 589
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:152 Resp: 5005

Ion	Ratio	Lower	Upper
152	100		
150	156.8	119.4	179.0
115	60.5	45.9	68.9

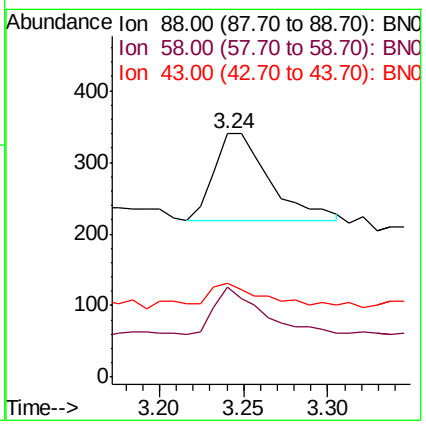


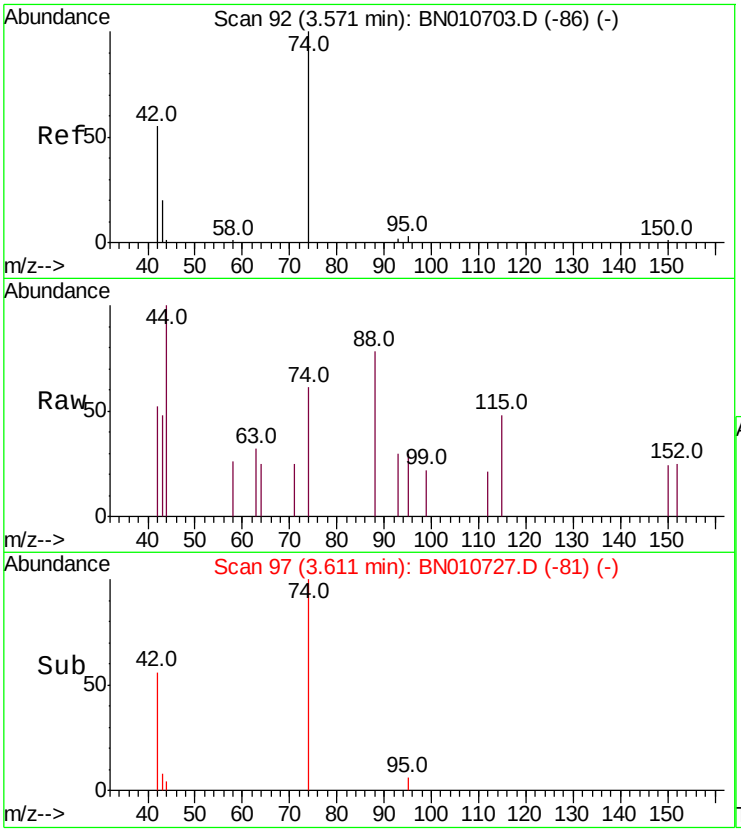


#2
1,4-Dioxane
Concen: 0.064 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion: 88 Resp: 275

Ion	Ratio	Lower	Upper
88	100		
58	46.9	39.0	58.6
43	21.1	13.1	19.7#



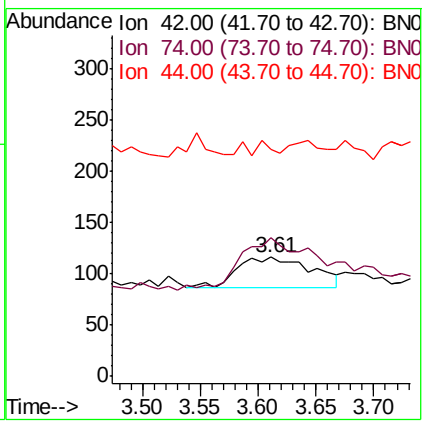


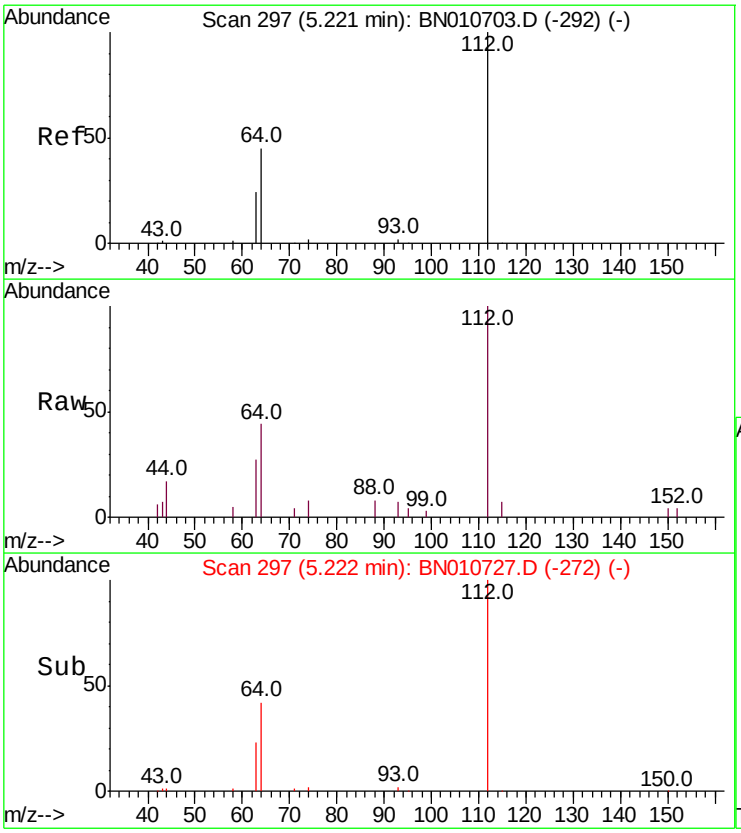
#3
n-Nitrosodimethylamine
Concen: 0.052 ng
RT: 3.61 min Scan# 97
Delta R.T. 0.03 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion: 42 Resp: 128

Ion	Ratio	Lower	Upper
42	100		
74	175.8	146.2	219.2
44	0.0	3.0	4.4#

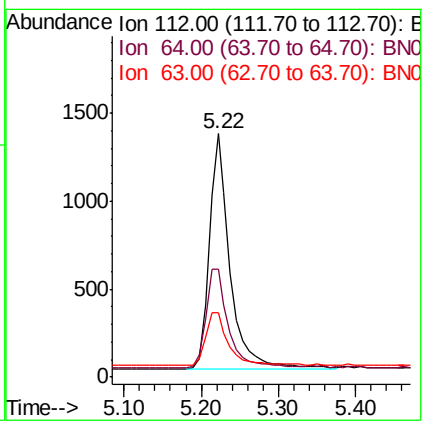


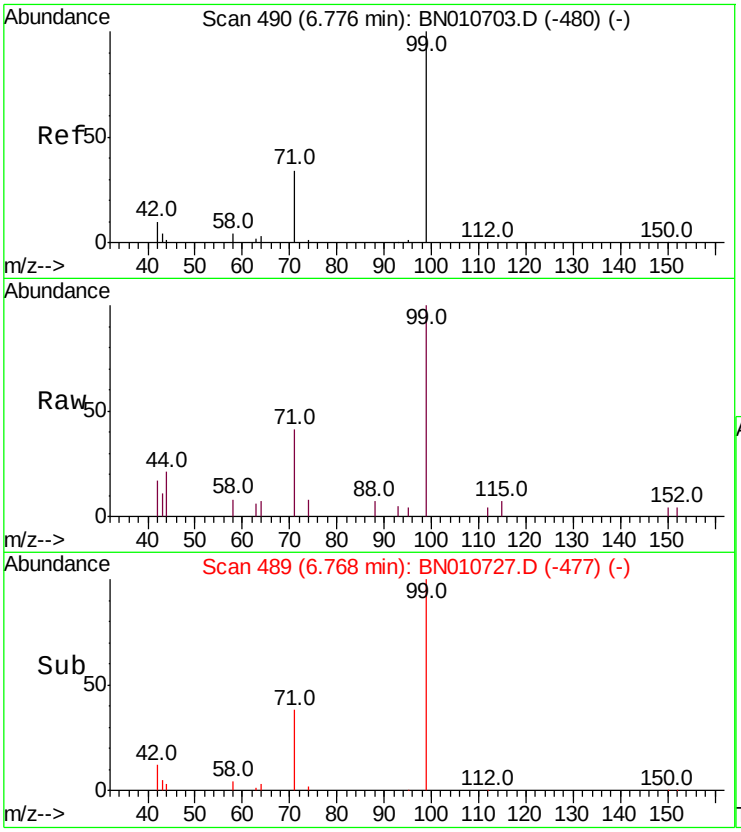


#4
2-Fluorophenol
Concen: 0.257 ng
RT: 5.22 min Scan# 297
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:112 Resp: 2519

Ion	Ratio	Lower	Upper
112	100		
64	44.8	36.2	54.4
63	24.4	19.8	29.8



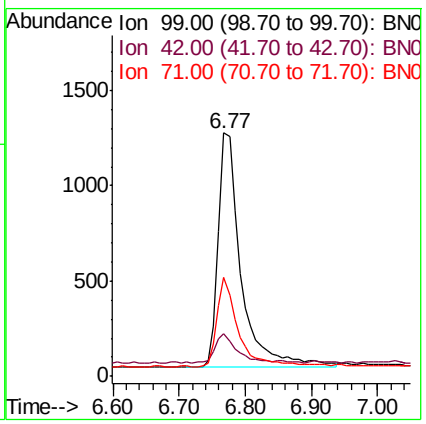


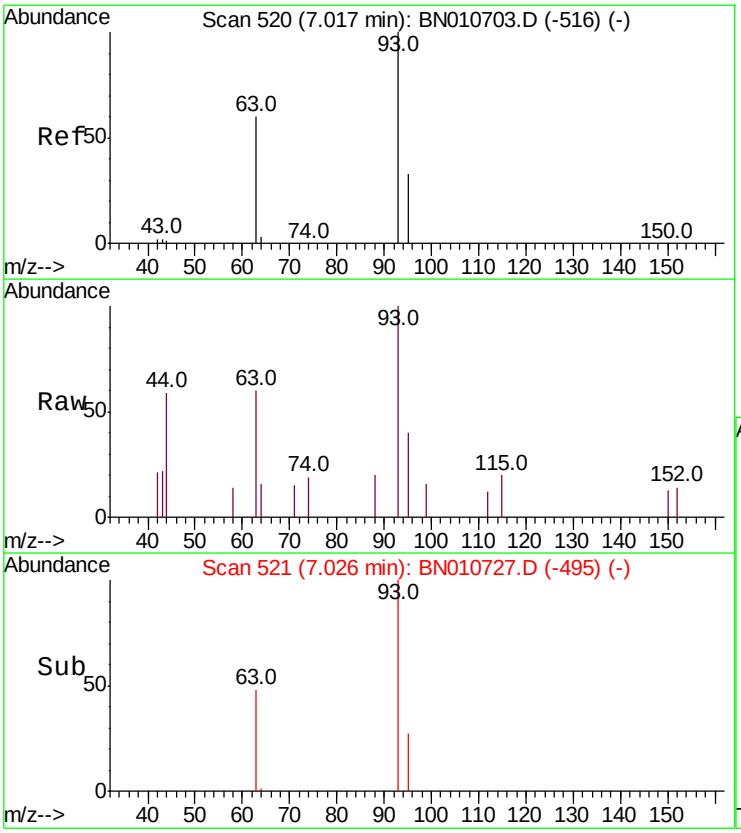
#5
Phenol-d6
Concen: 0.247 ng
RT: 6.77 min Scan# 489
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion: 99 Resp: 2953

Ion	Ratio	Lower	Upper
99	100		
42	12.2	9.8	14.8
71	34.5	28.6	42.8

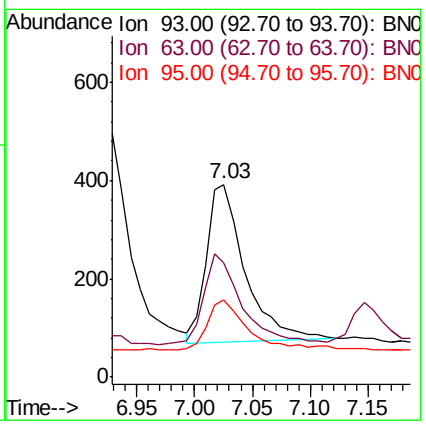


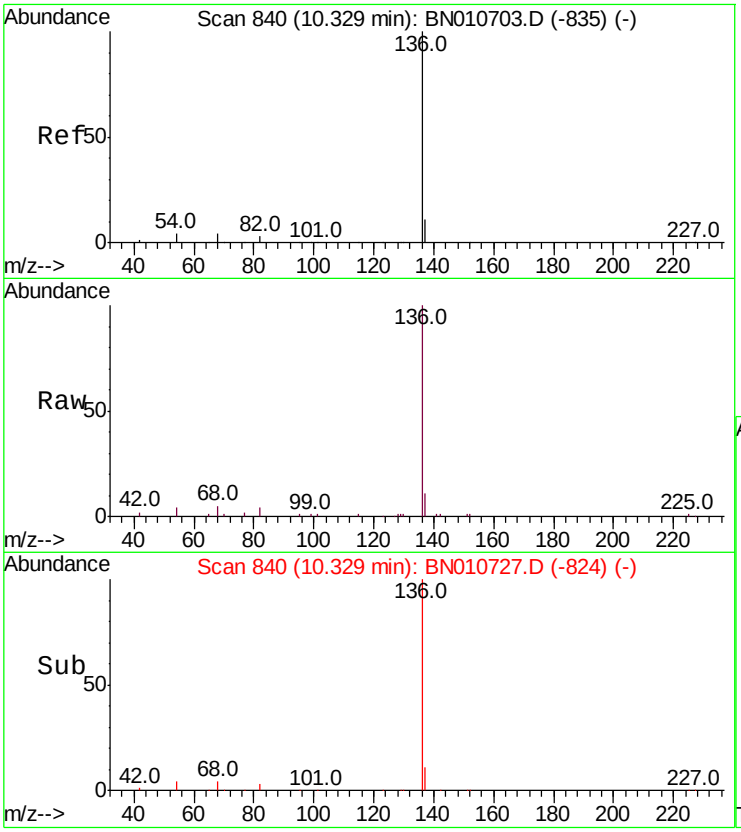


#6
bis(2-Chloroethyl)ether
Concen: 0.060 ng
RT: 7.03 min Scan# 521
Delta R.T. 0.01 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion: 93 Resp: 745

Ion	Ratio	Lower	Upper
93	100		
63	56.9	43.1	64.7
95	34.4	24.6	37.0



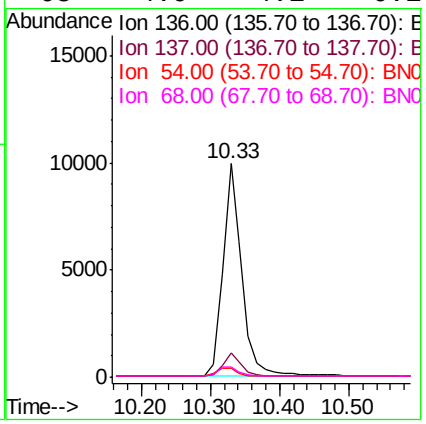


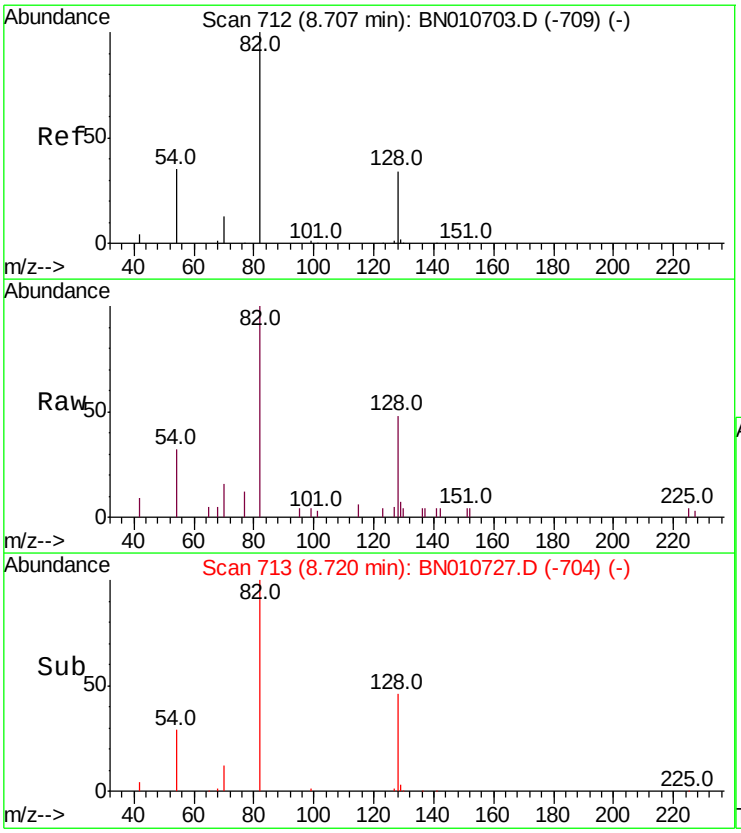
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:136 Resp: 19011

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	4.2	3.6	5.4
68	4.9	4.1	6.1

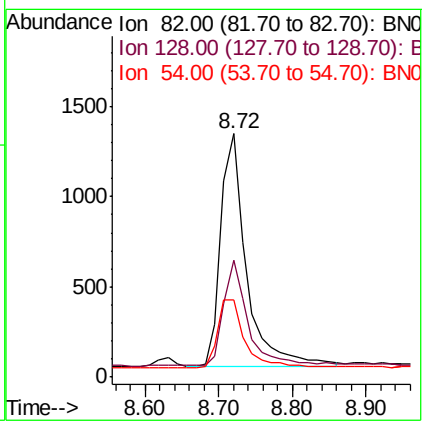


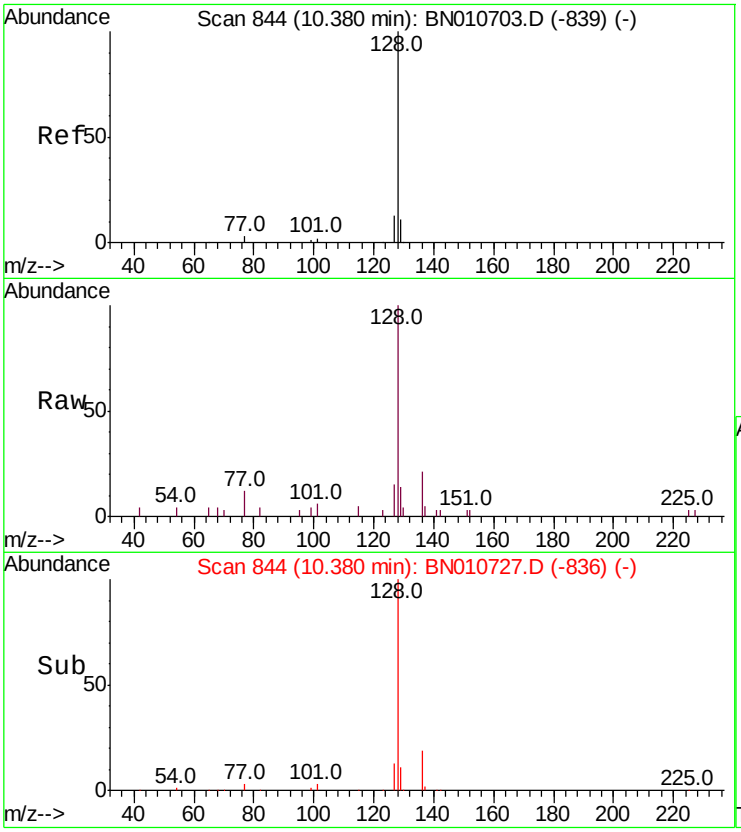


#8
Nitrobenzene-d5
Concen: 0.237 ng
RT: 8.72 min Scan# 713
Delta R.T. 0.01 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion: 82 Resp: 3129

Ion	Ratio	Lower	Upper
82	100		
128	48.2	29.0	43.4#
54	31.7	29.3	43.9



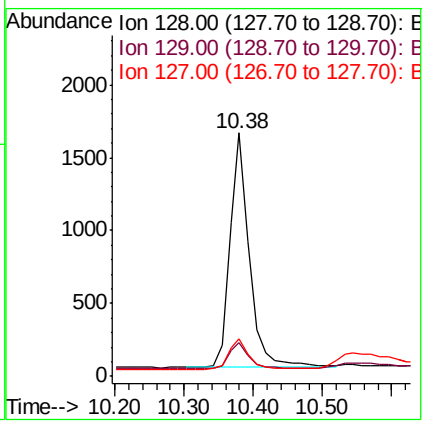


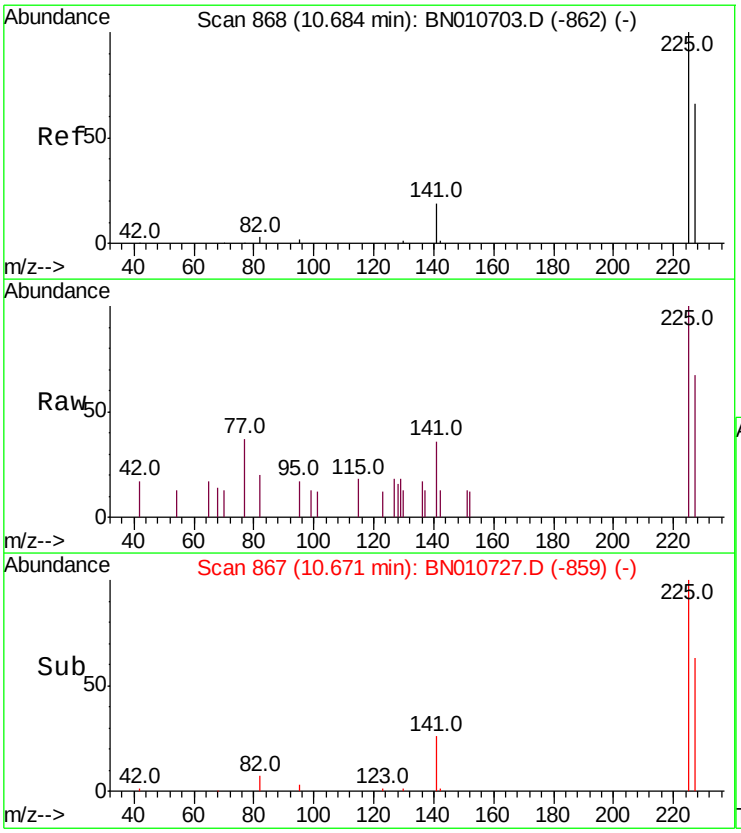
#9
Naphthalene
Concen: 0.065 ng
RT: 10.38 min Scan# 844
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:128 Resp: 3124

Ion	Ratio	Lower	Upper
128	100		
129	13.7	9.3	13.9
127	15.3	11.0	16.6

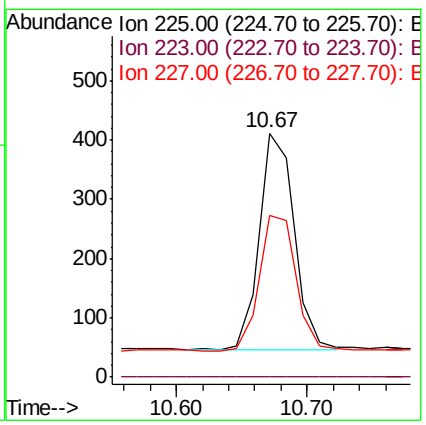


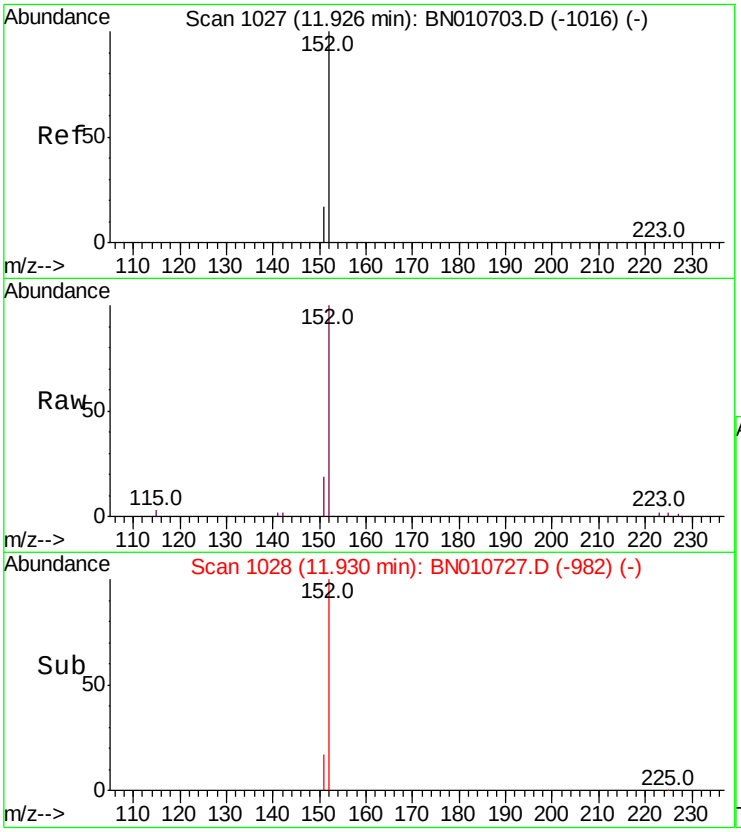


#10
Hexachlorobutadiene
Concen: 0.061 ng
RT: 10.67 min Scan# 867
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:225 Resp: 671

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.9	50.7	76.1



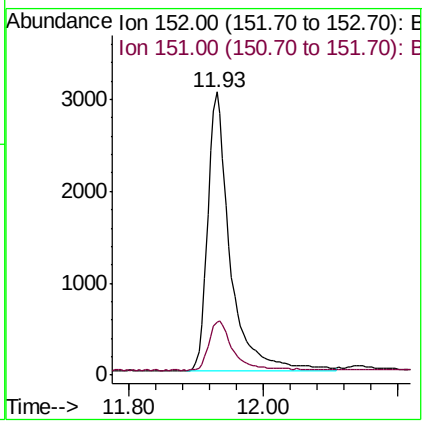


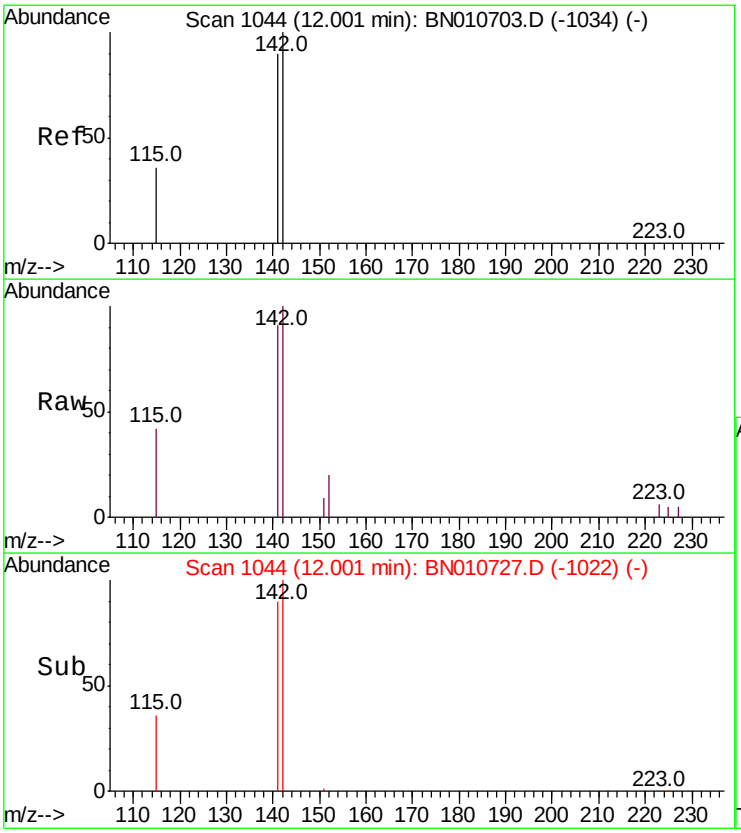
#11
2-Methylnaphthalene-d10
Concen: 0.225 ng
RT: 11.93 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:152 Resp: 6984

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.0	22.6

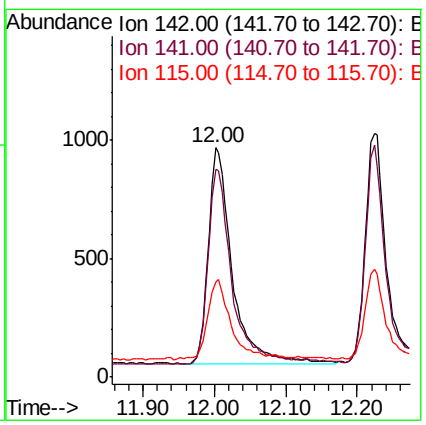


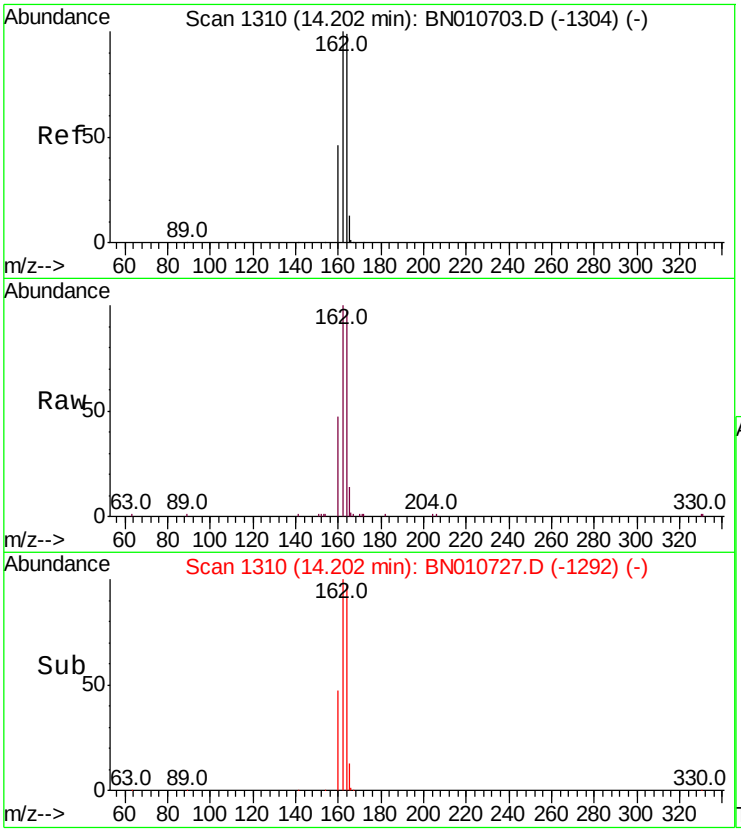


#12
2-Methylnaphthalene
Concen: 0.063 ng
RT: 12.00 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:142 Resp: 2114

Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.7	107.5
115	41.7	29.8	44.6



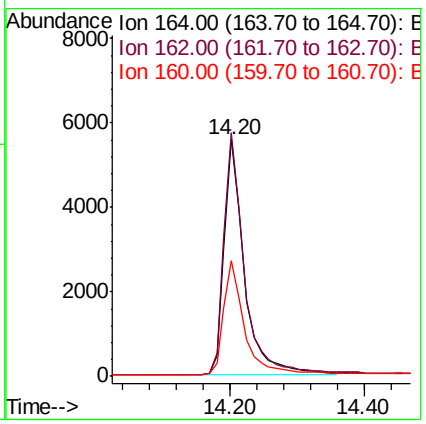


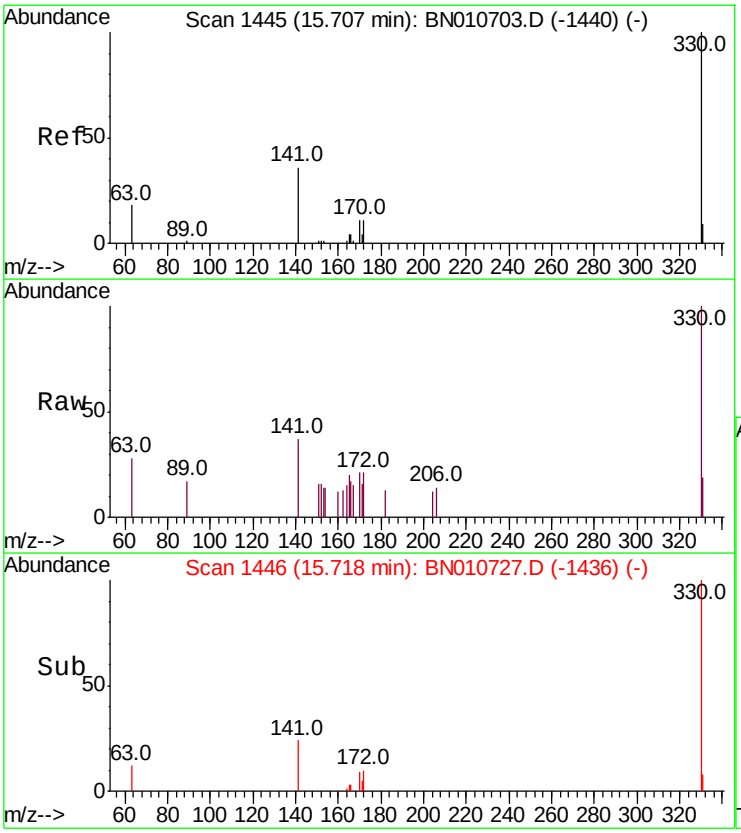
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:164 Resp: 11587

Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.1	121.7
160	48.6	37.9	56.9

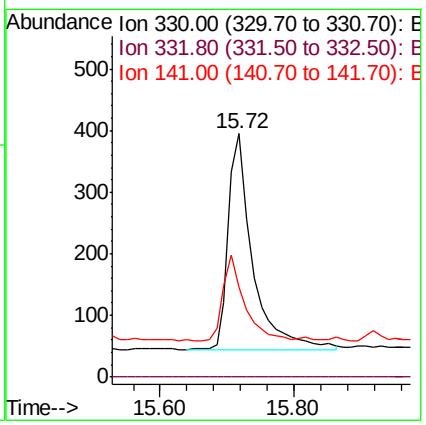


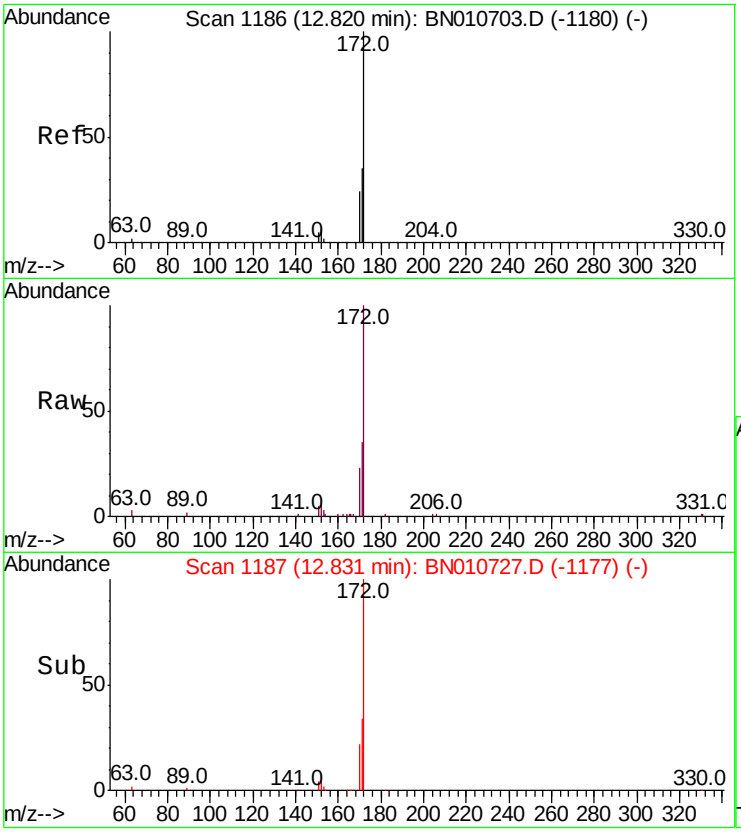


#14
2,4,6-Tribromophenol
Concen: 0.208 ng
RT: 15.72 min Scan# 1446
Delta R.T. 0.02 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:330 Resp: 873

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.7	28.8	43.2



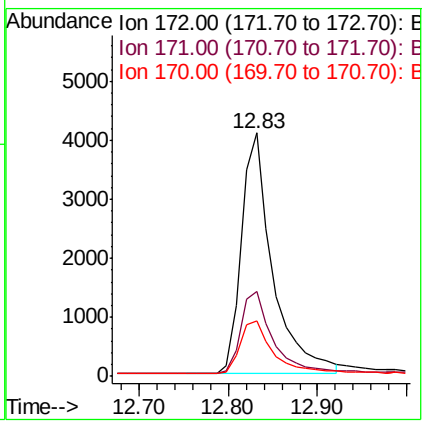


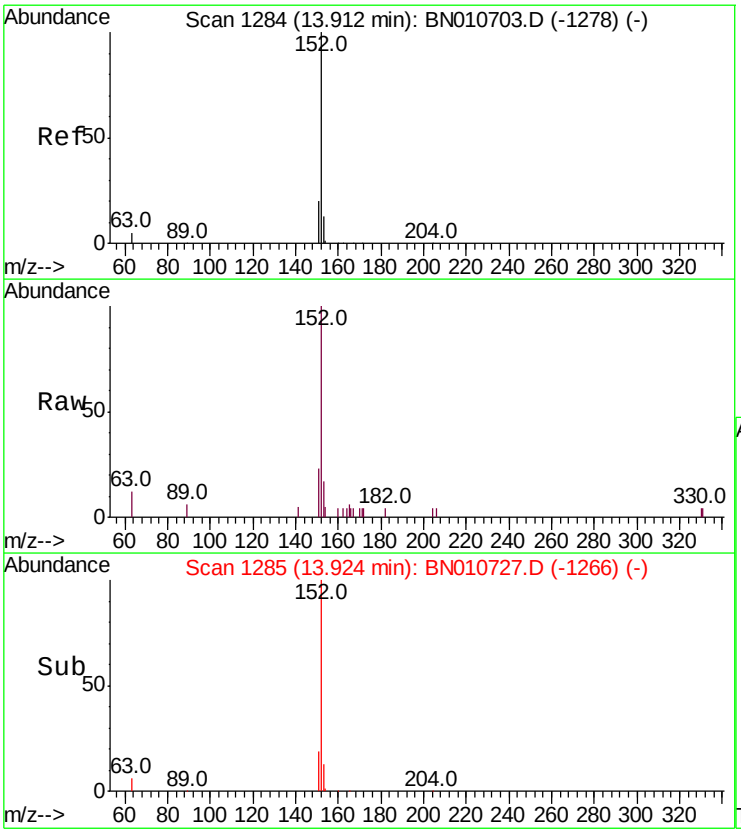
#15
2-Fluorobiphenyl
Concen: 0.235 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.02 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:172 Resp: 9970

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	42.8
170	23.0	19.8	29.8

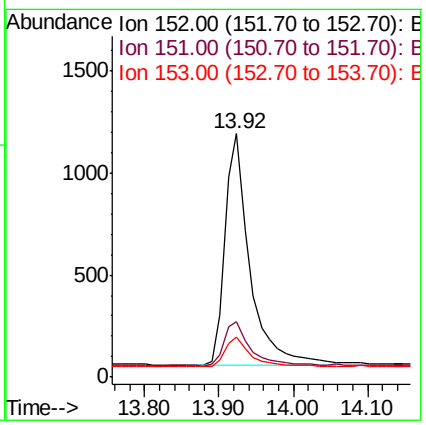


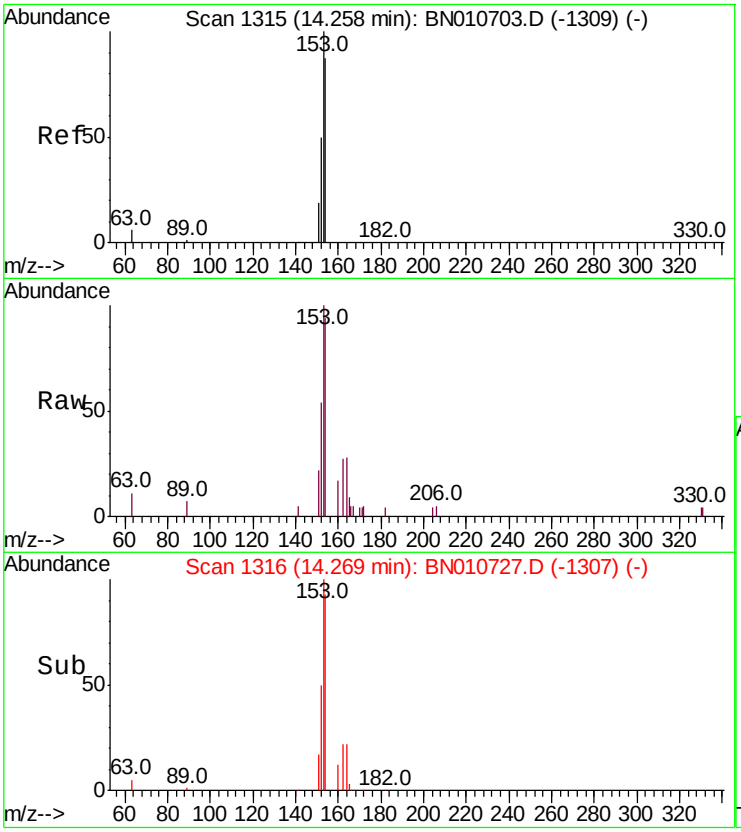


#16
Acenaphthylene
Concen: 0.056 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.02 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:152 Resp: 2661

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.6	23.4
153	13.3	10.4	15.6



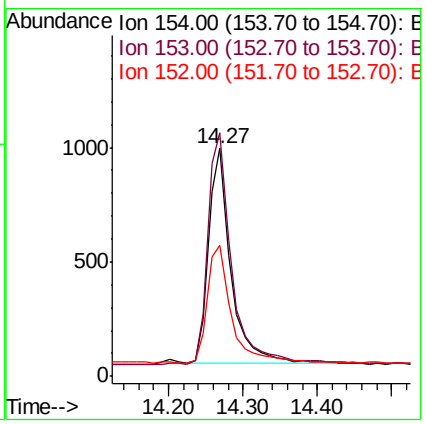


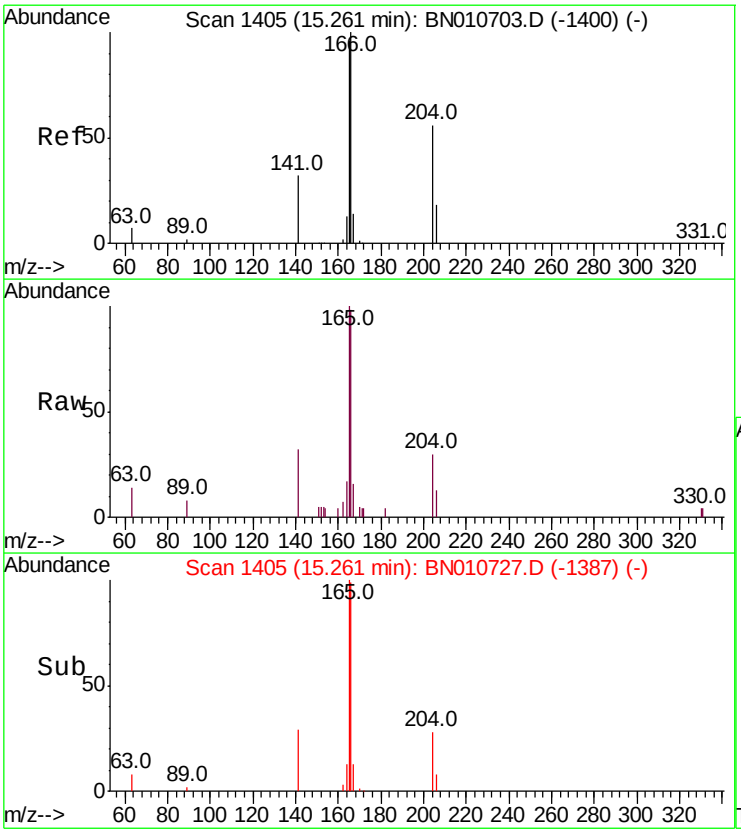
#17
Acenaphthene
Concen: 0.061 ng
RT: 14.27 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:154 Resp: 1939

Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.5	137.3
152	59.7	45.6	68.4

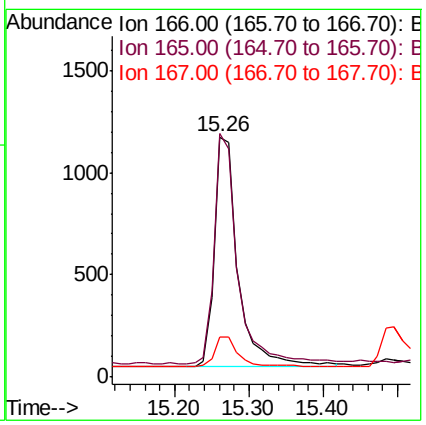


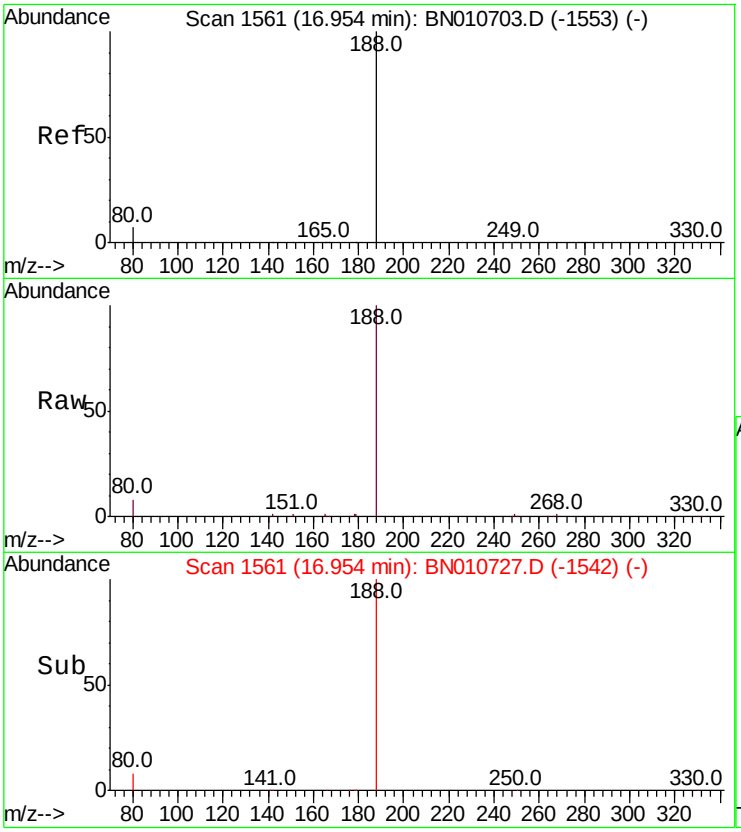


#18
Fluorene
Concen: 0.059 ng
RT: 15.26 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:166 Resp: 2480

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.9	116.9
167	13.5	11.0	16.4



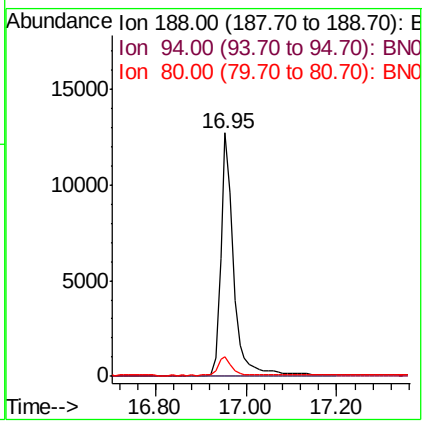


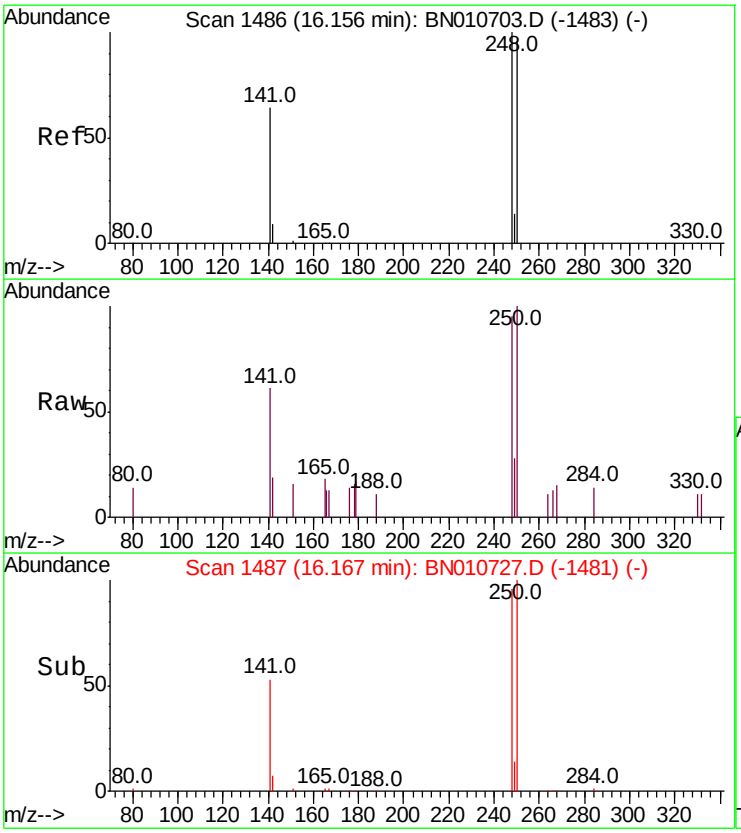
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:188 Resp: 24806

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	6.3	9.5

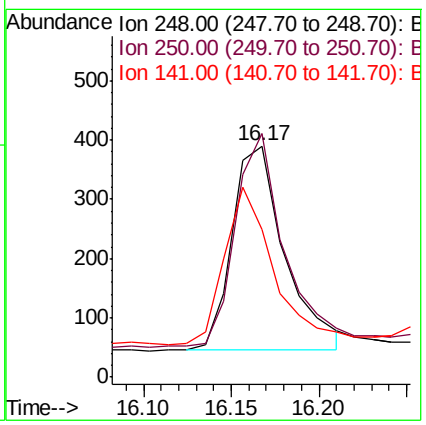


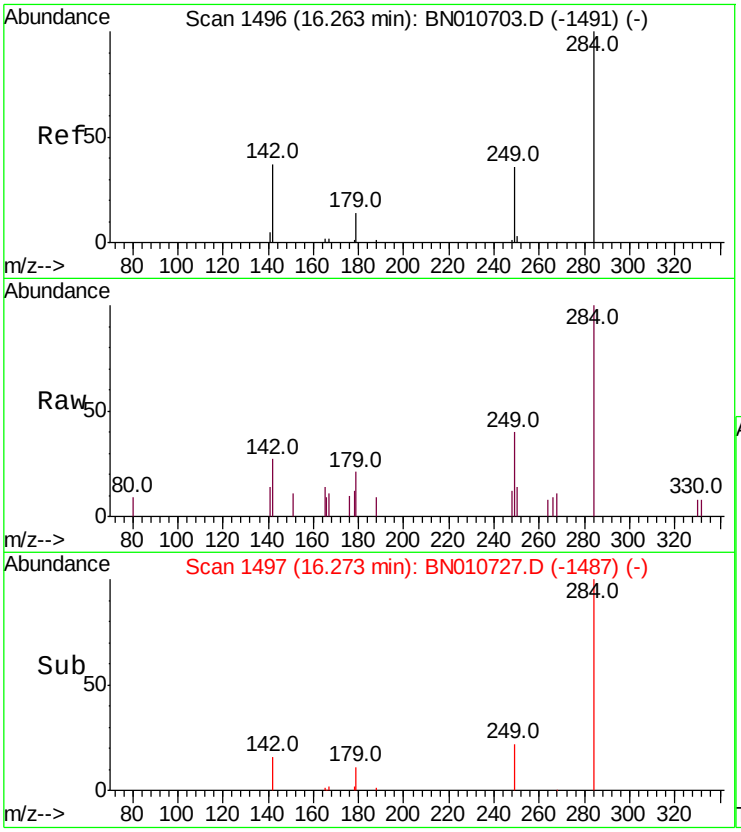


#20
4-Bromophenyl-phenylether
Concen: 0.052 ng
RT: 16.17 min Scan# 1487
Delta R.T. 0.01 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:248 Resp: 719

Ion	Ratio	Lower	Upper
248	100		
250	105.4	77.4	116.0
141	64.1	53.1	79.7



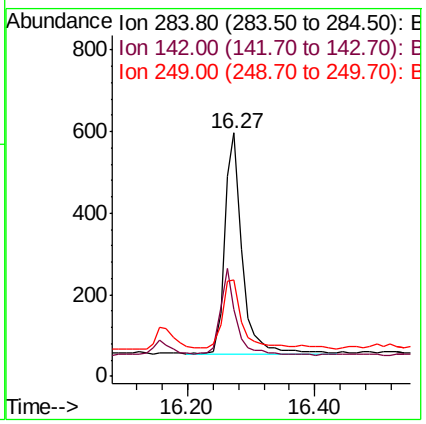


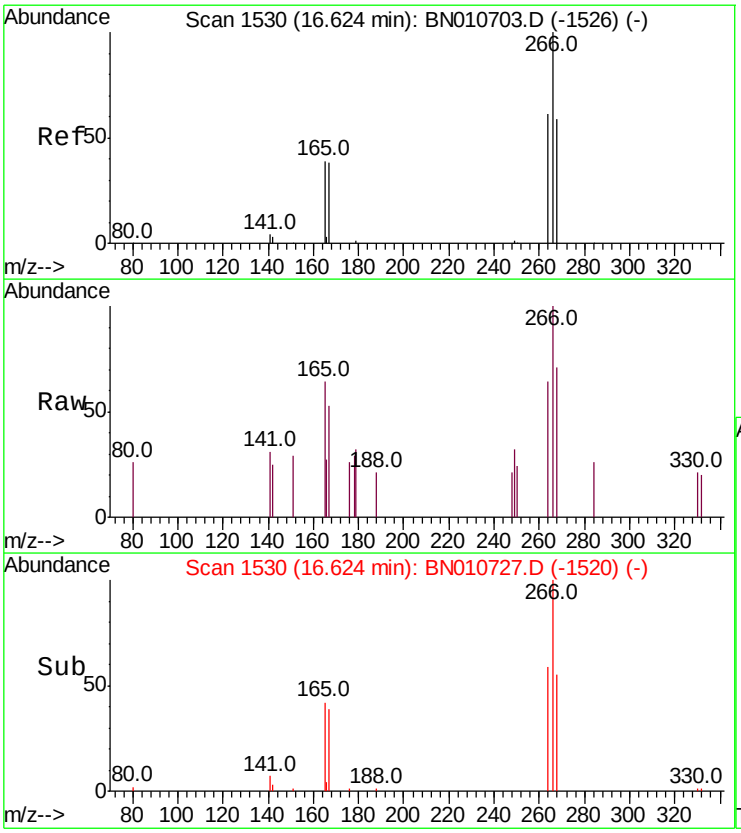
#21
Hexachlorobenzene
Concen: 0.063 ng
RT: 16.27 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:284 Resp: 1021

Ion	Ratio	Lower	Upper
284	100		
142	33.7	28.2	42.2
249	33.7	26.4	39.6

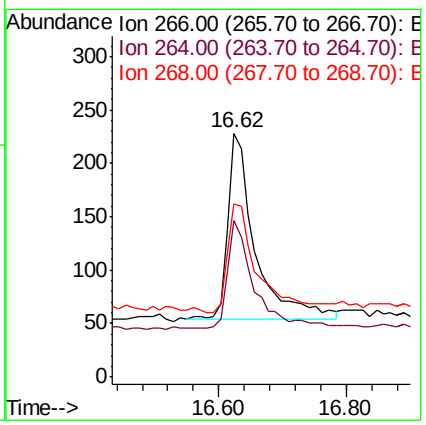


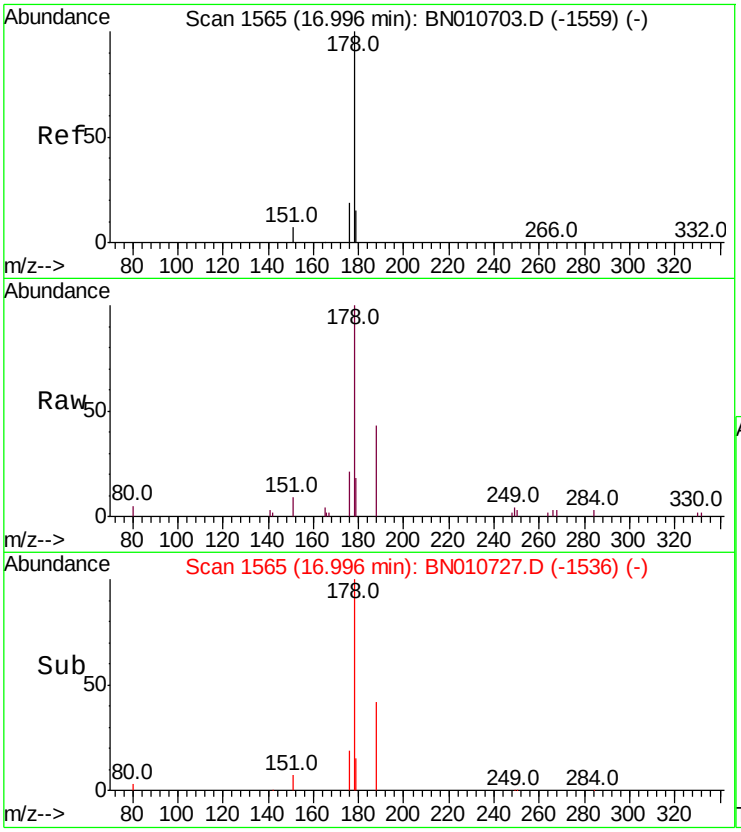


#22
Pentachlorophenol
Concen: 0.102 ng
RT: 16.62 min Scan# 1530
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:266 Resp: 516

Ion	Ratio	Lower	Upper
266	100		
264	64.5	51.1	76.7
268	71.1	52.1	78.1



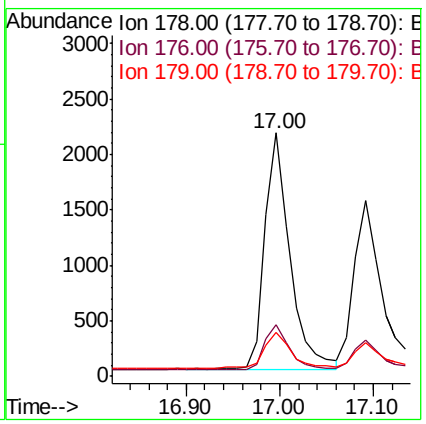


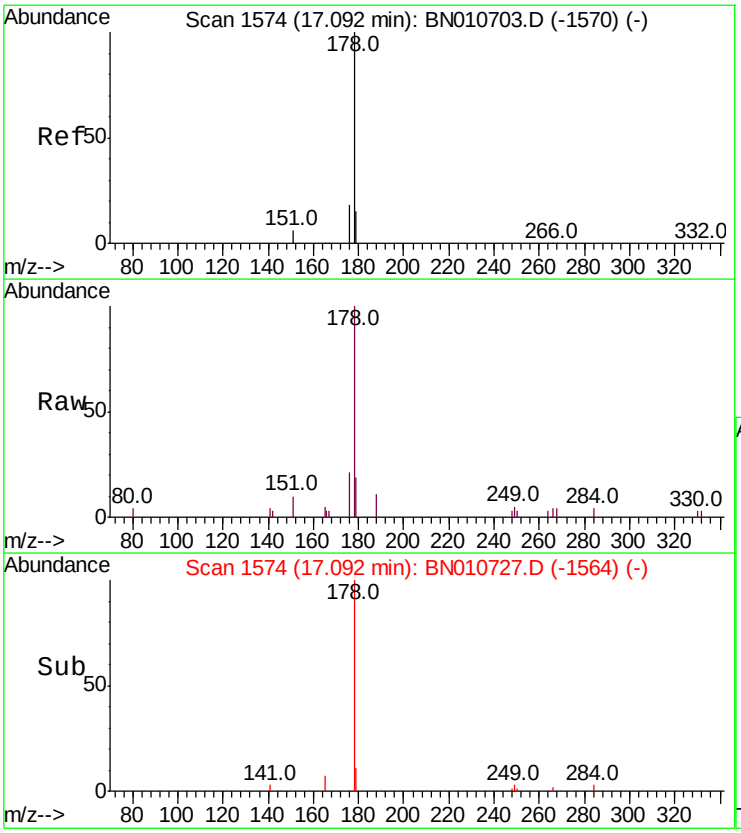
#23
Phenanthrene
Concen: 0.060 ng
RT: 17.00 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:178 Resp: 3987

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.9	22.3
179	16.2	12.2	18.4

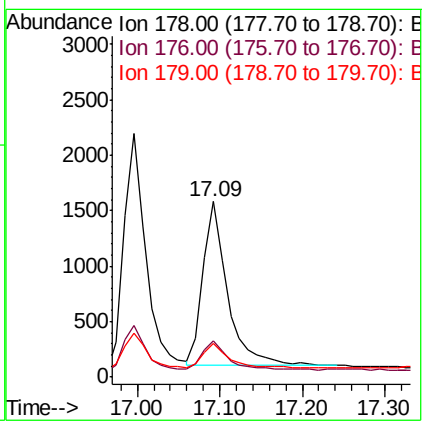


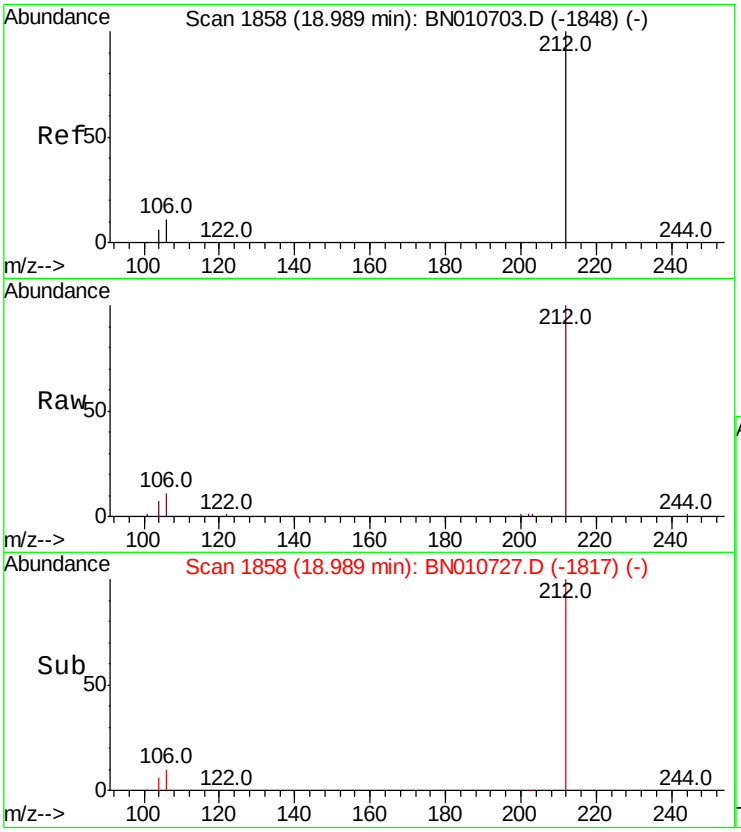


#24
Anthracene
Concen: 0.054 ng
RT: 17.09 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:178 Resp: 3033

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	16.1	12.3	18.5



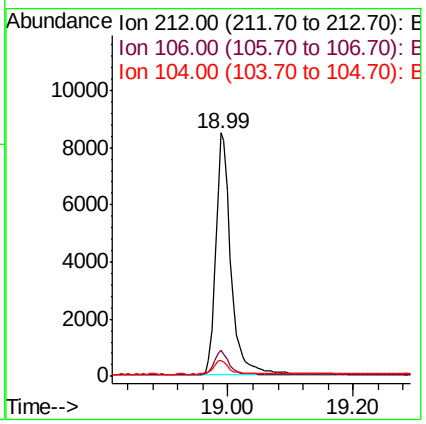


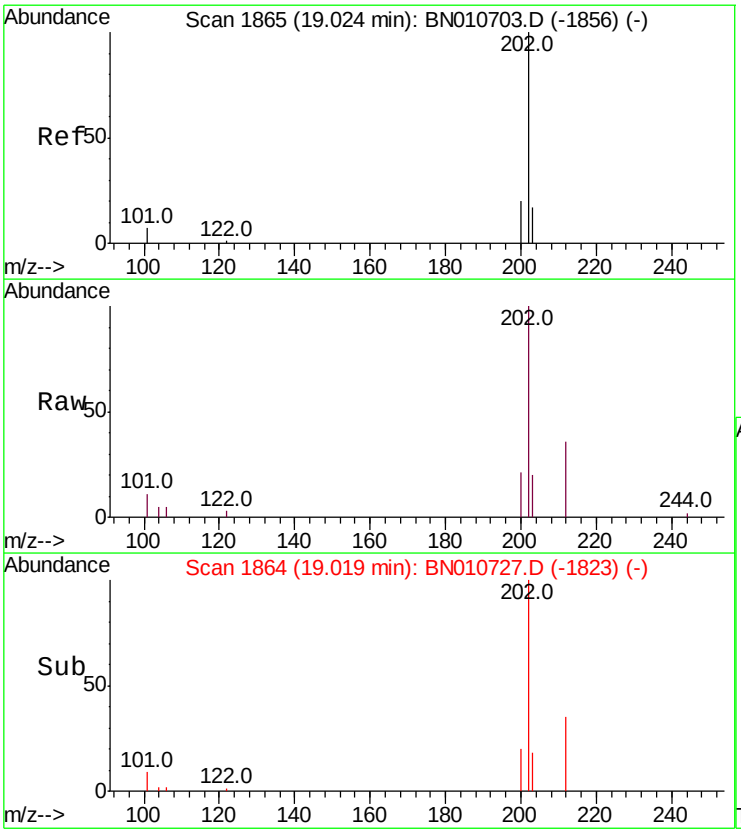
#25
Fluoranthene-d10
Concen: 0.214 ng
RT: 18.99 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:212 Resp: 14422

Ion	Ratio	Lower	Upper
212	100		
106	9.8	8.2	12.2
104	5.6	4.7	7.1

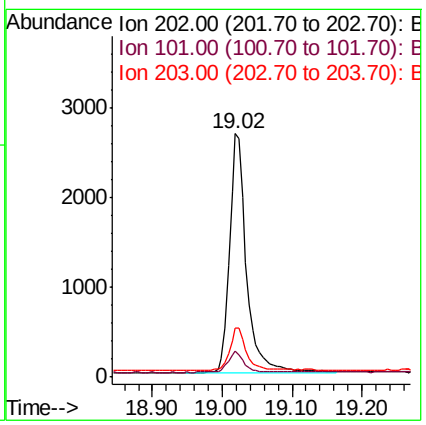


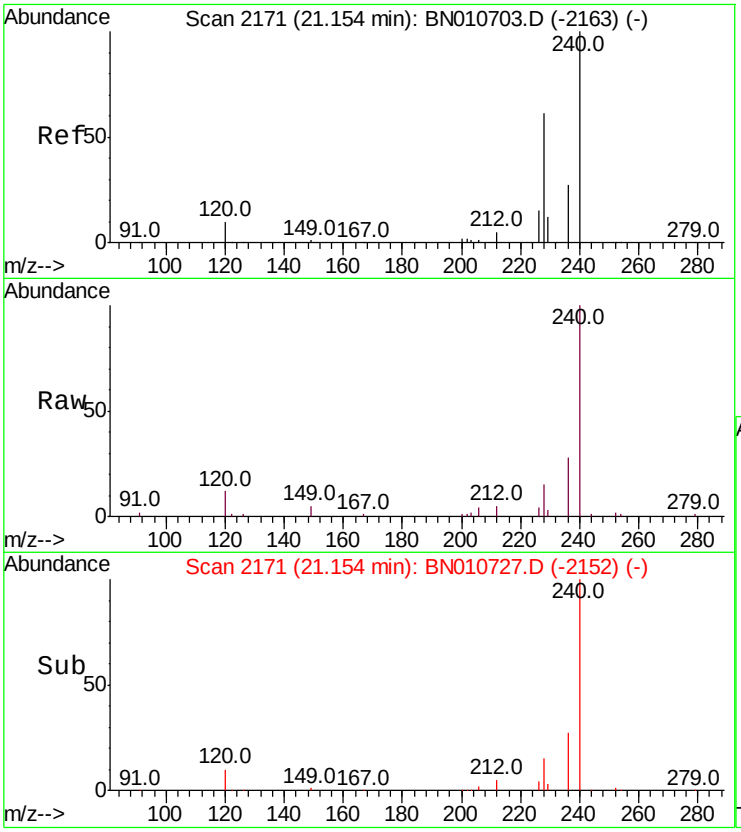


#26
Fluoranthene
Concen: 0.060 ng
RT: 19.02 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:202 Resp: 4526

Ion	Ratio	Lower	Upper
202	100		
101	9.1	6.7	10.1
203	17.3	13.4	20.0



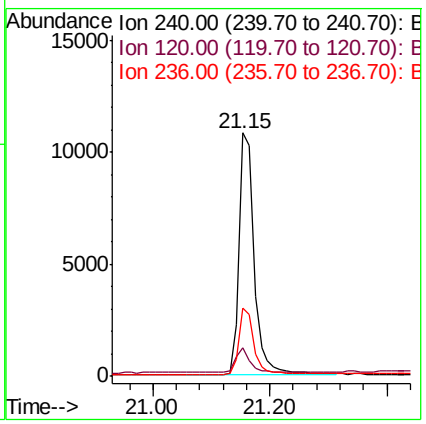


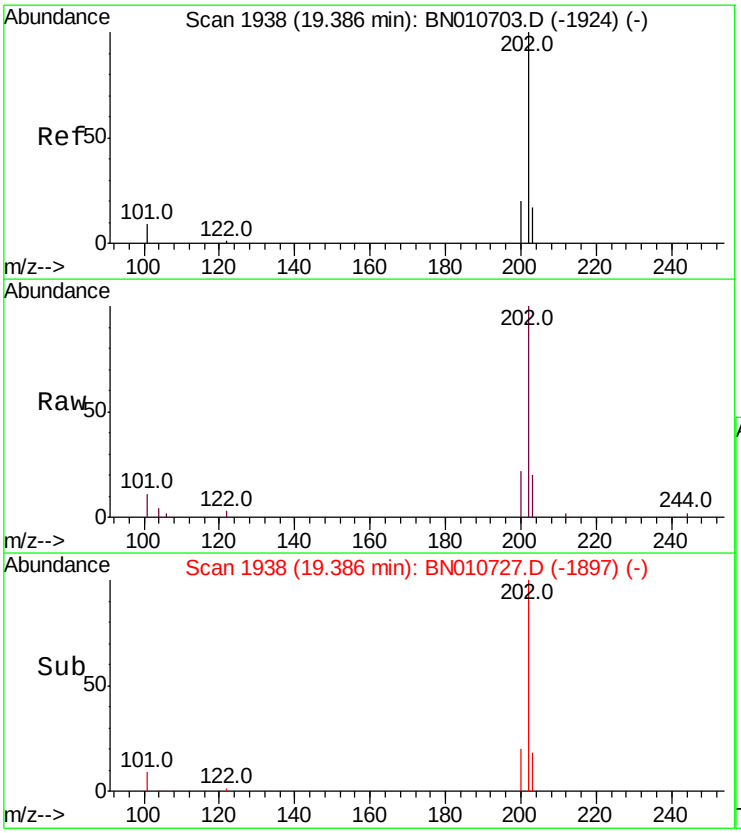
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:240 Resp: 19389

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.5	14.3
236	27.9	22.5	33.7

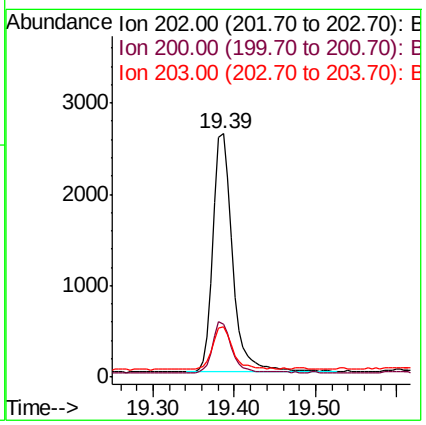


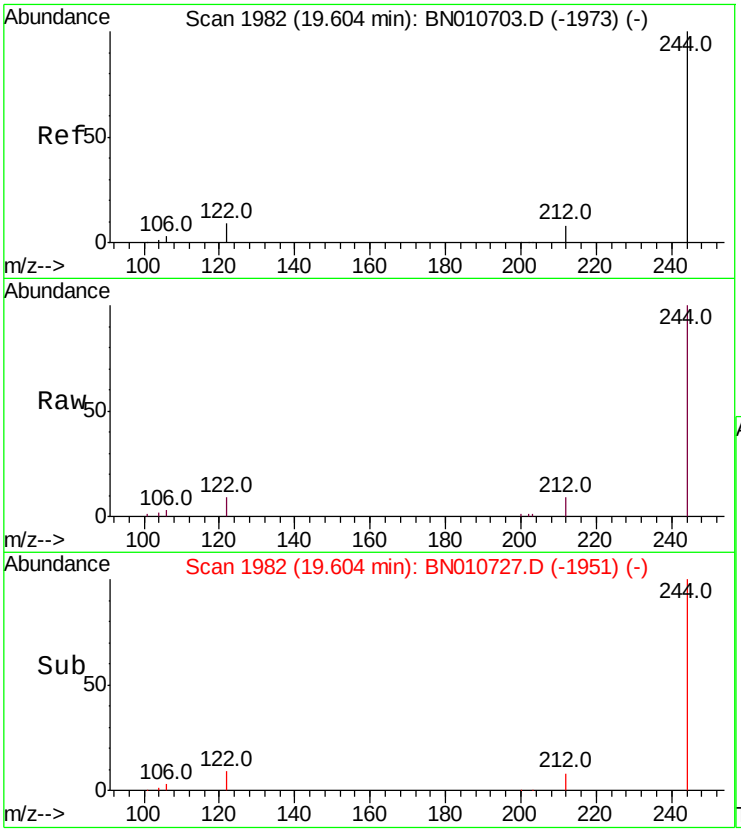


#28
Pyrene
Concen: 0.063 ng
RT: 19.39 min Scan# 1938
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:202 Resp: 4380

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	18.5	14.1	21.1



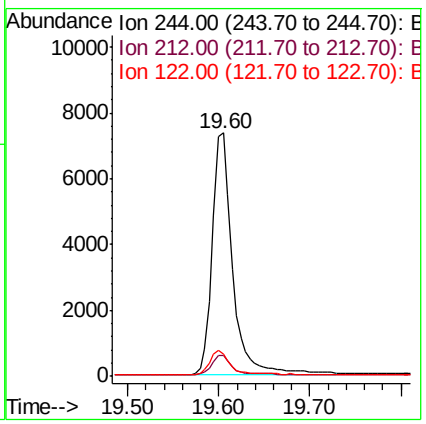


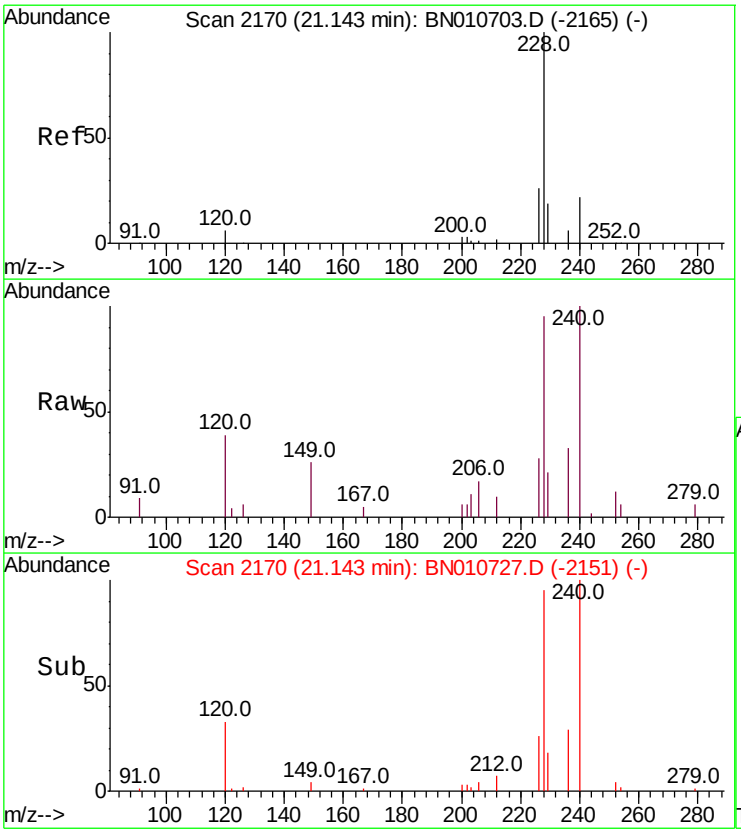
#29
Terphenyl-d14
Concen: 0.247 ng
RT: 19.60 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:244 Resp: 11362

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.8	10.2
122	9.2	8.1	12.1

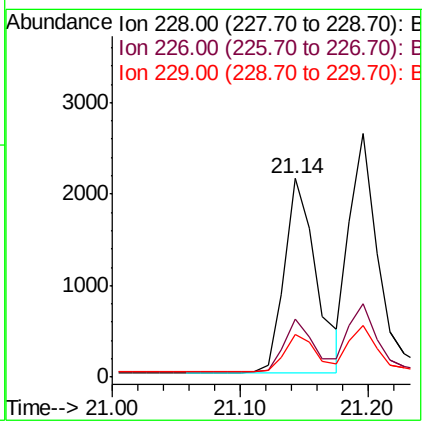


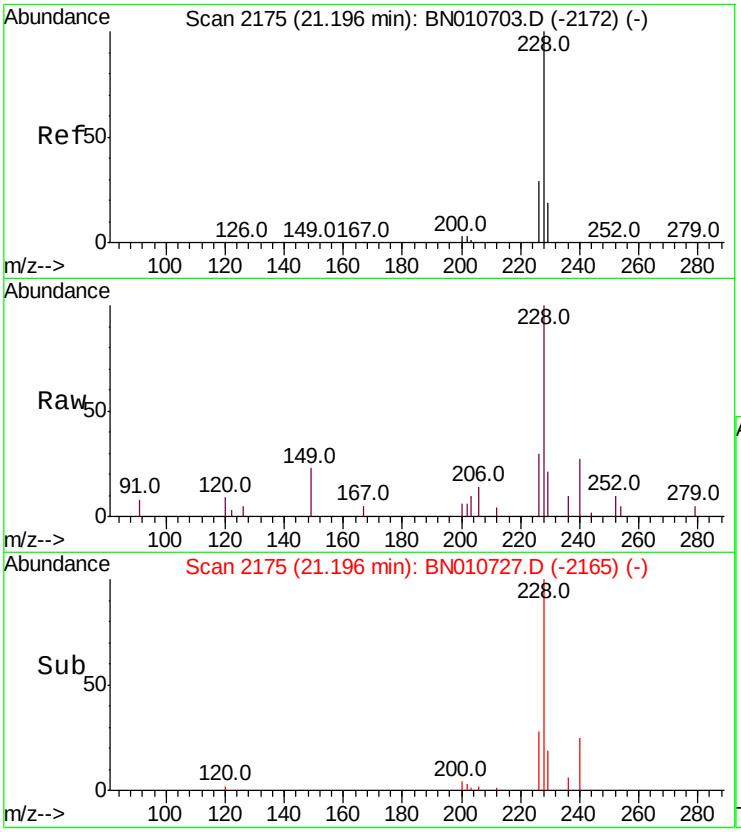


#30
Benzo(a)anthracene
Concen: 0.065 ng
RT: 21.14 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:228 Resp: 3650

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.3	31.9
229	21.6	16.0	24.0



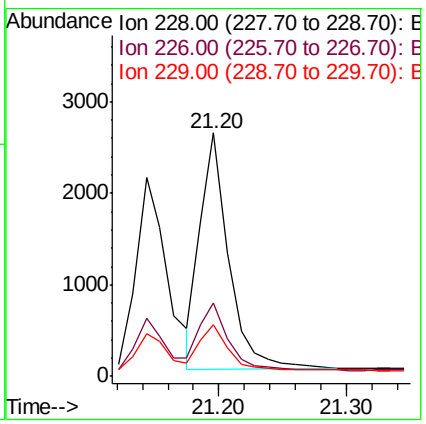


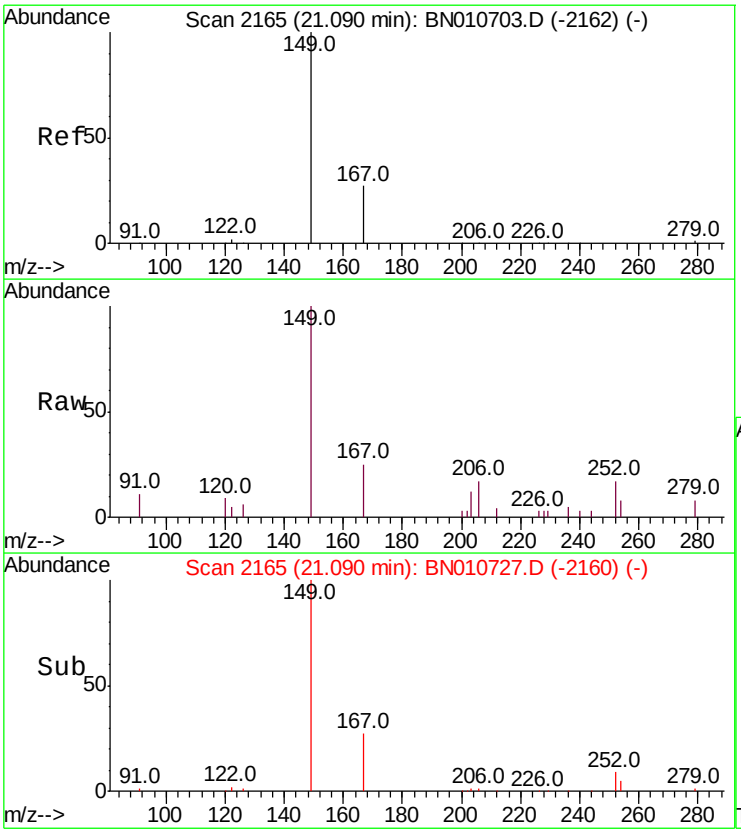
#31
Chrysene
Concen: 0.063 ng
RT: 21.20 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:228 Resp: 4010

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.0
229	21.2	16.1	24.1

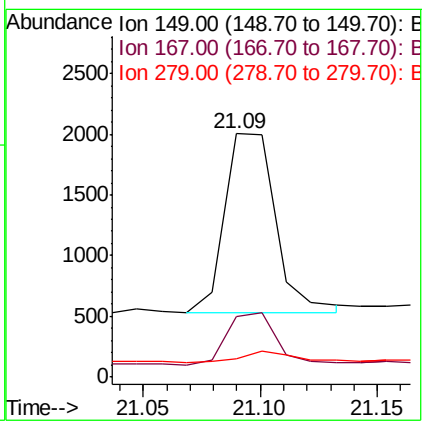


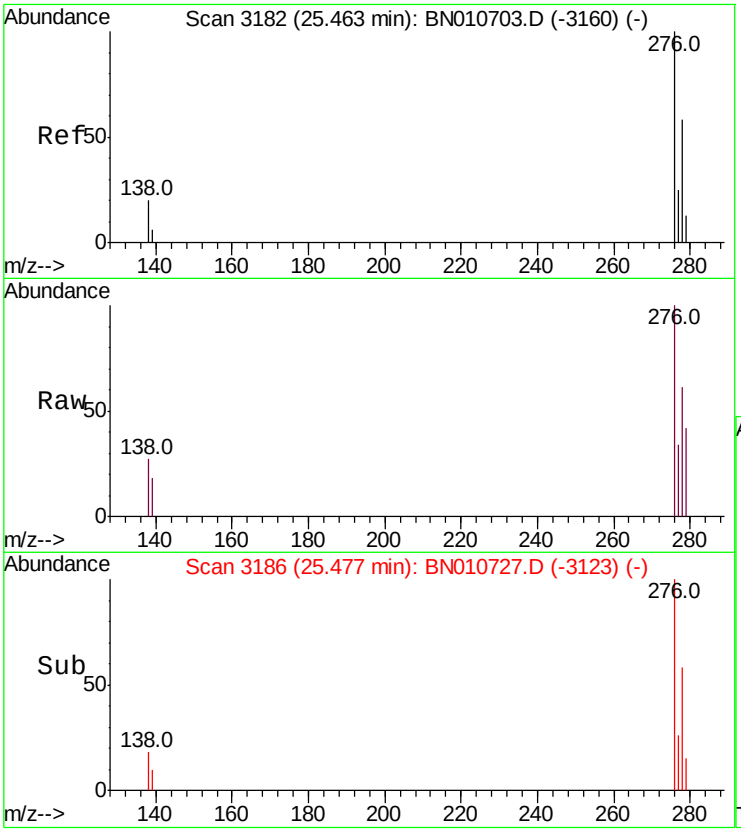


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.090 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:149 Resp: 2231

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.5	33.7
279	5.8	4.1	6.1



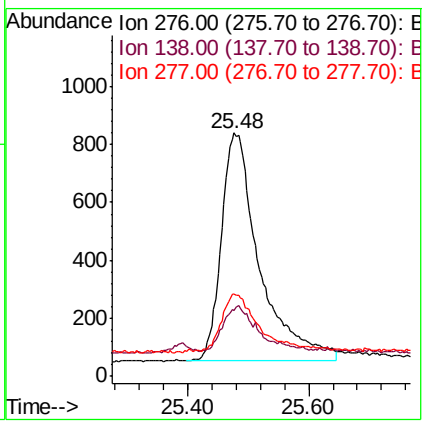


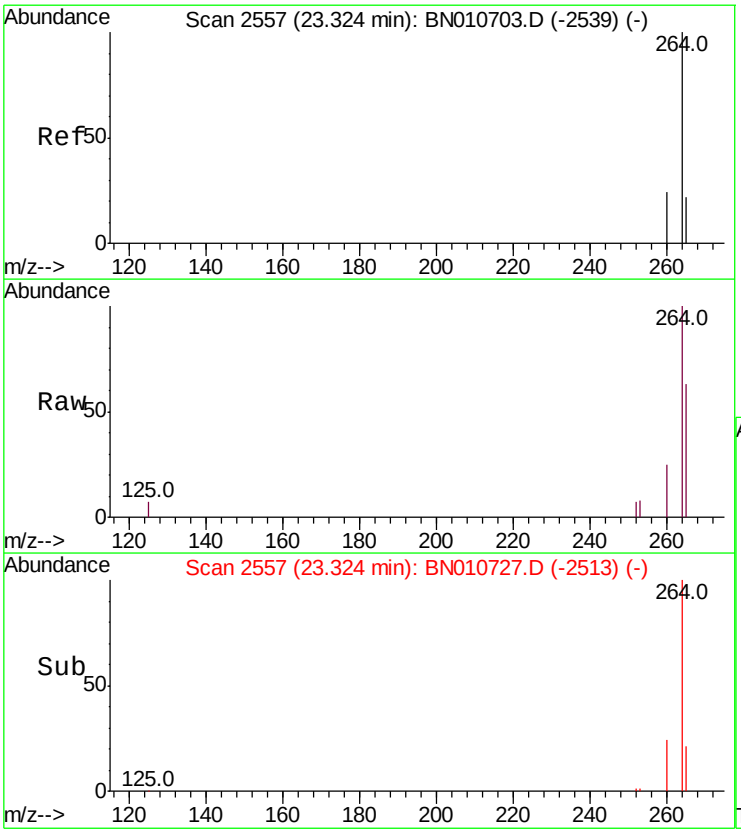
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng
RT: 25.48 min Scan# 3186
Delta R.T. 0.02 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:276 Resp: 3440

Ion	Ratio	Lower	Upper
276	100		
138	17.6	15.1	22.7
277	24.1	19.4	29.0

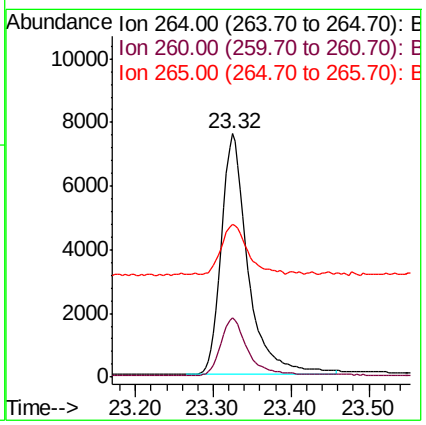


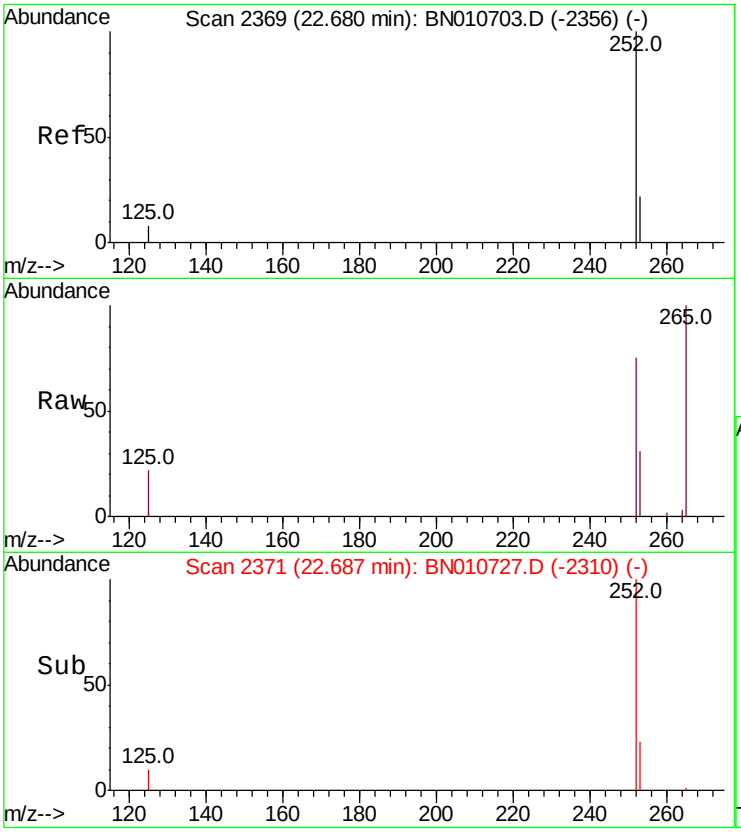


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2557
Delta R.T. 0.00 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:264 Resp: 17920

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	62.9	70.1	105.1#



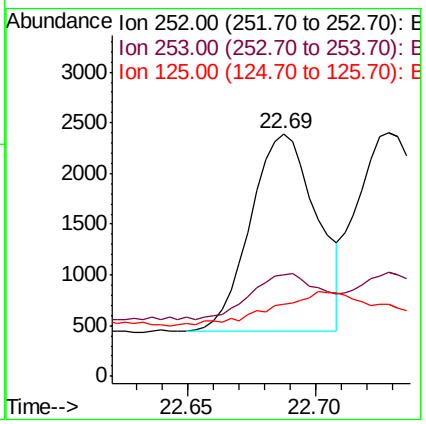


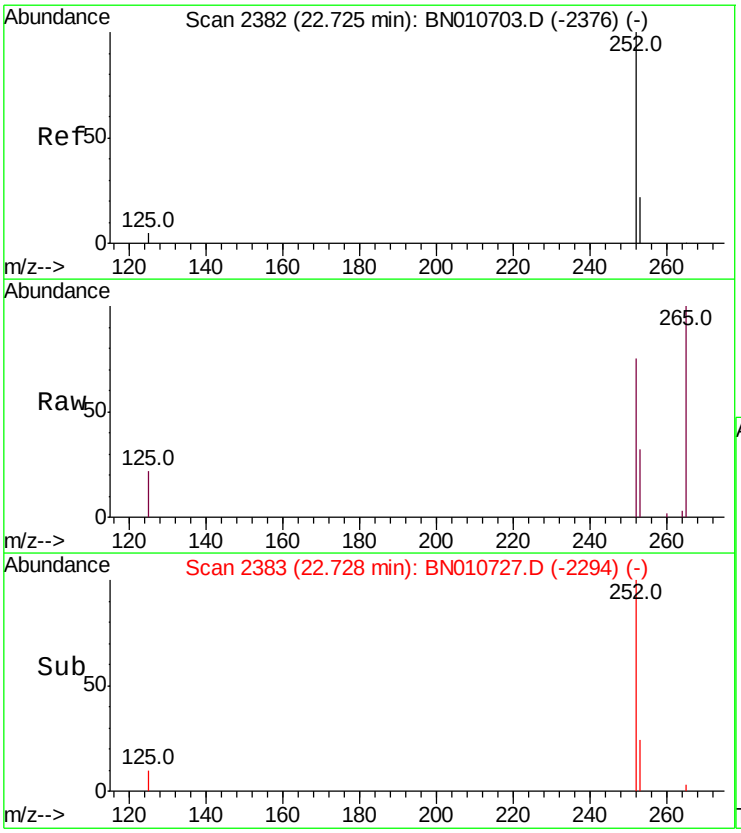
#35
Benzo(b)fluoranthene
Concen: 0.059 ng
RT: 22.69 min Scan# 2371
Delta R.T. 0.01 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:252 Resp: 3514

Ion	Ratio	Lower	Upper
252	100		
253	41.7	22.0	33.0#
125	30.0	10.8	16.2#

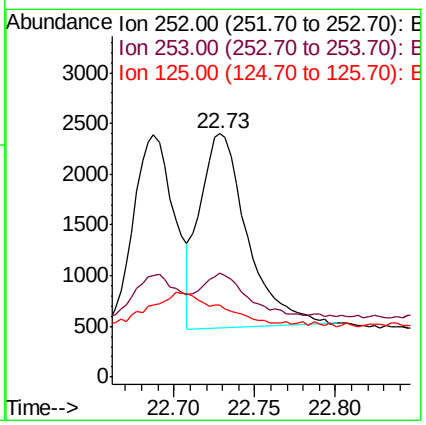


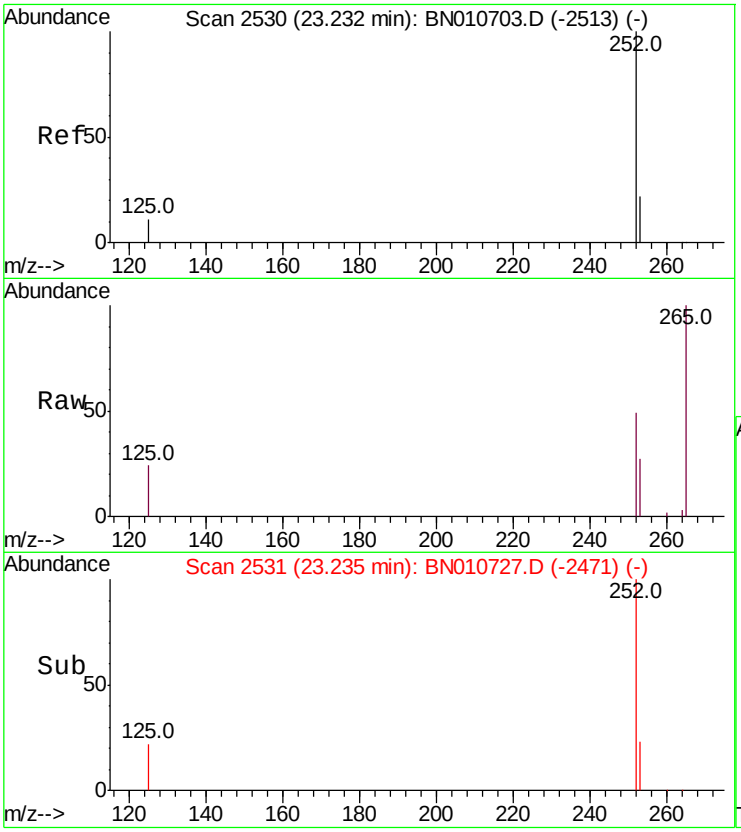


#36
Benzo(k)fluoranthene
Concen: 0.061 ng
RT: 22.73 min Scan# 2383
Delta R.T. 0.01 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:252 Resp: 3901

Ion	Ratio	Lower	Upper
252	100		
253	42.5	21.9	32.9#
125	29.4	11.1	16.7#



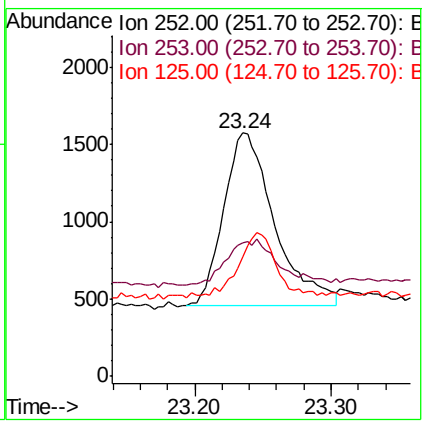


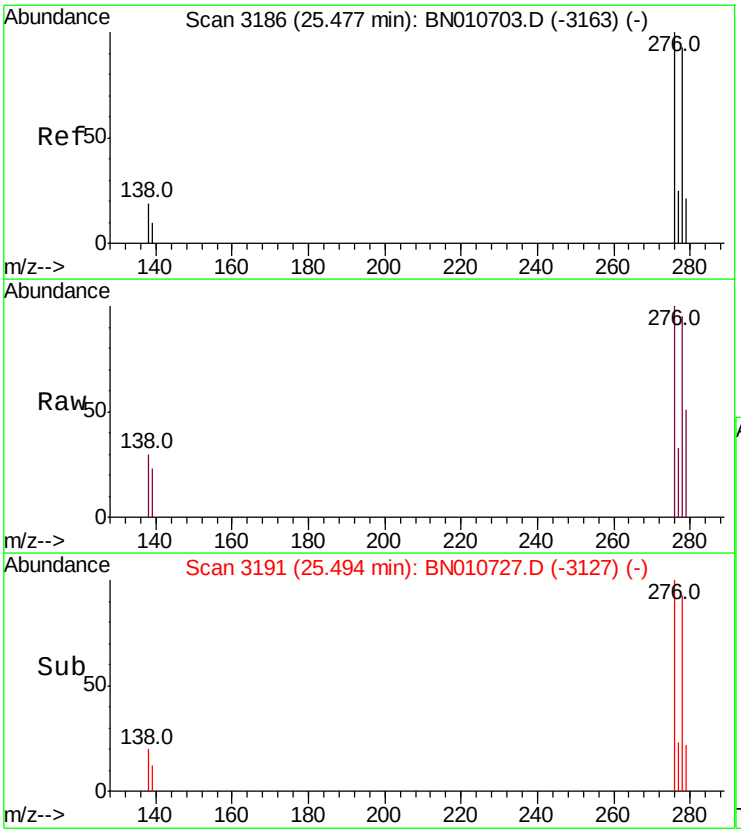
#37
Benzo(a)pyrene
Concen: 0.057 ng
RT: 23.24 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:252 Resp: 2901

Ion	Ratio	Lower	Upper
252	100		
253	54.8	24.8	37.2#
125	49.0	15.8	23.6#

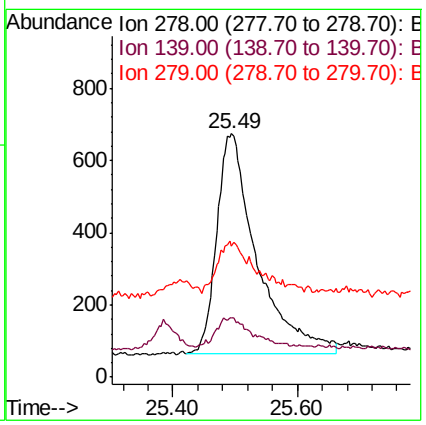


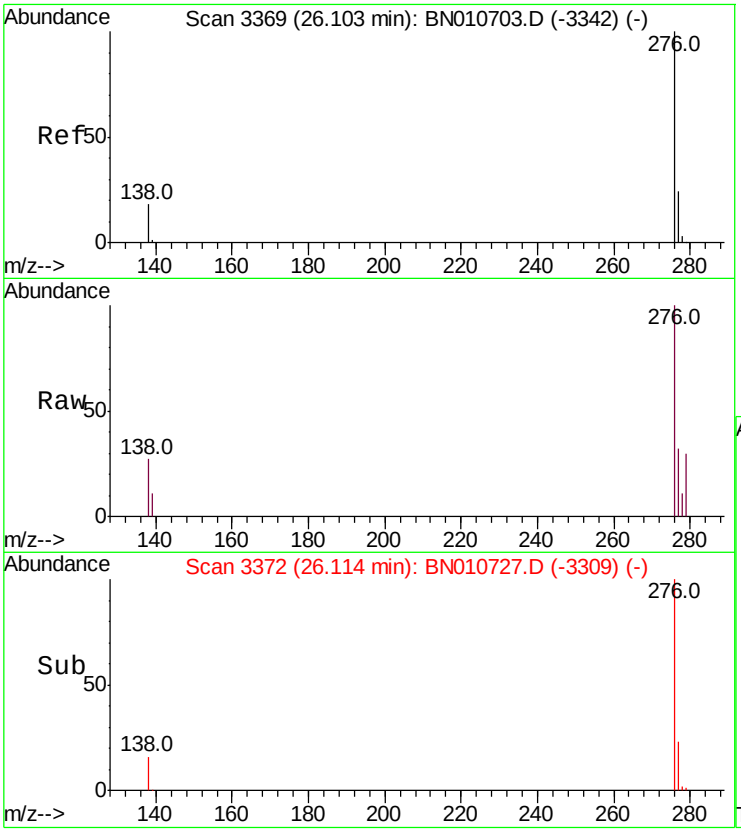


#38
Dibenzo(a,h)anthracene
Concen: 0.062 ng
RT: 25.49 min Scan# 3191
Delta R.T. 0.02 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Tgt Ion:278 Resp: 2726

Ion	Ratio	Lower	Upper
278	100		
139	24.2	13.0	19.4#
279	53.9	25.1	37.7#





#39
Benzo(g,h,i)perylene
Concen: 0.063 ng
RT: 26.11 min Scan# 3372
Delta R.T. 0.02 min
Lab File: BN010727.D
Acq: 15 May 2020 12:26

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT2-2020

Tgt Ion:276 Resp: 3260

Ion	Ratio	Lower	Upper
276	100		
277	31.7	20.6	30.8#
138	26.7	16.0	24.0#