Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
Data File : BN010719.D
Acq On : 14 May 2020 19:20
Operator : CG/JU
Sample : L2182-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : LOQ-WATER-02-QT2-2020

Quant Time: May 15 01:52:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 14:18:48 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	4539	0.40	ng		0.00
7) Naphthalene-d8	10.33	136	17369	0.40	ng		0.00
13) Acenaphthene-d10	14.20	164	10472	0.40	ng		0.00
19) Phenanthrene-d10	16.95	188	21180	0.40	ng		0.00
27) Chrysene-d12	21.15	240	17977	0.40	ng		0.00
34) Perylene-d12	23.32	264	16537	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	2039	0.23	ng		0.00
5) Phenol-d6	6.78	99	2369	0.22	ng		0.00
8) Nitrobenzene-d5	8.72	82	2852	0.24	ng		0.01
11) 2-Methylnaphthalene-d10	11.93	152	6013	0.21	ng		0.00
14) 2,4,6-Tribromophenol	15.72	330	728	0.19	ng		0.01
15) 2-Fluorobiphenyl	12.83	172	8547	0.22	ng		0.01
25) Fluoranthene-d10	18.99	212	12616	0.22	ng		0.00
29) Terphenyl-d14	19.60	244	9910	0.23	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.25	88	238	0.061	ng	#	81
3) n-Nitrosodimethylamine	3.60	42	136	0.060	ng	#	83
6) bis(2-Chloroethyl)ether	7.03	93	735	0.066	ng		98
9) Naphthalene	10.38	128	2896	0.066	ng		95
10) Hexachlorobutadiene	10.67	225	638	0.064	ng	#	99
12) 2-Methylnaphthalene	12.01	142	1962	0.064	ng		95
16) Acenaphthylene	13.92	152	2510	0.059	ng		97
17) Acenaphthene	14.27	154	1805	0.062	ng		96
18) Fluorene	15.27	166	2346	0.062	ng		100
20) 4-Bromophenyl-phenylether	16.17	248	665	0.057	ng		95
21) Hexachlorobenzene	16.27	284	946	0.068	ng		99
22) Pentachlorophenol	16.63	266	440	0.102	ng		91
23) Phenanthrene	17.00	178	3681	0.065	ng		98
24) Anthracene	17.09	178	2934	0.061	ng		96
26) Fluoranthene	19.02	202	4221	0.065	ng		98
28) Pyrene	19.39	202	4132	0.064	ng		99
30) Benzo(a)anthracene	21.14	228	3498	0.067	ng		95
31) Chrysene	21.20	228	3710	0.062	ng		97
32) Bis(2-ethylhexyl)phthalate	21.09	149	1944	0.085	ng		99
33) Indeno(1,2,3-cd)pyrene	25.48	276	3441	0.065	ng		100
35) Benzo(b)fluoranthene	22.68	252	3385	0.062	ng	#	68
36) Benzo(k)fluoranthene	22.73	252	3989	0.068	ng	#	67
37) Benzo(a)pyrene	23.23	252	2860	0.060	ng	#	43
38) Dibenzo(a,h)anthracene	25.49	278	2712	0.067	ng	#	66
39) Benzo(g,h,i)perylene	26.12	276	3245	0.068	ng	#	86

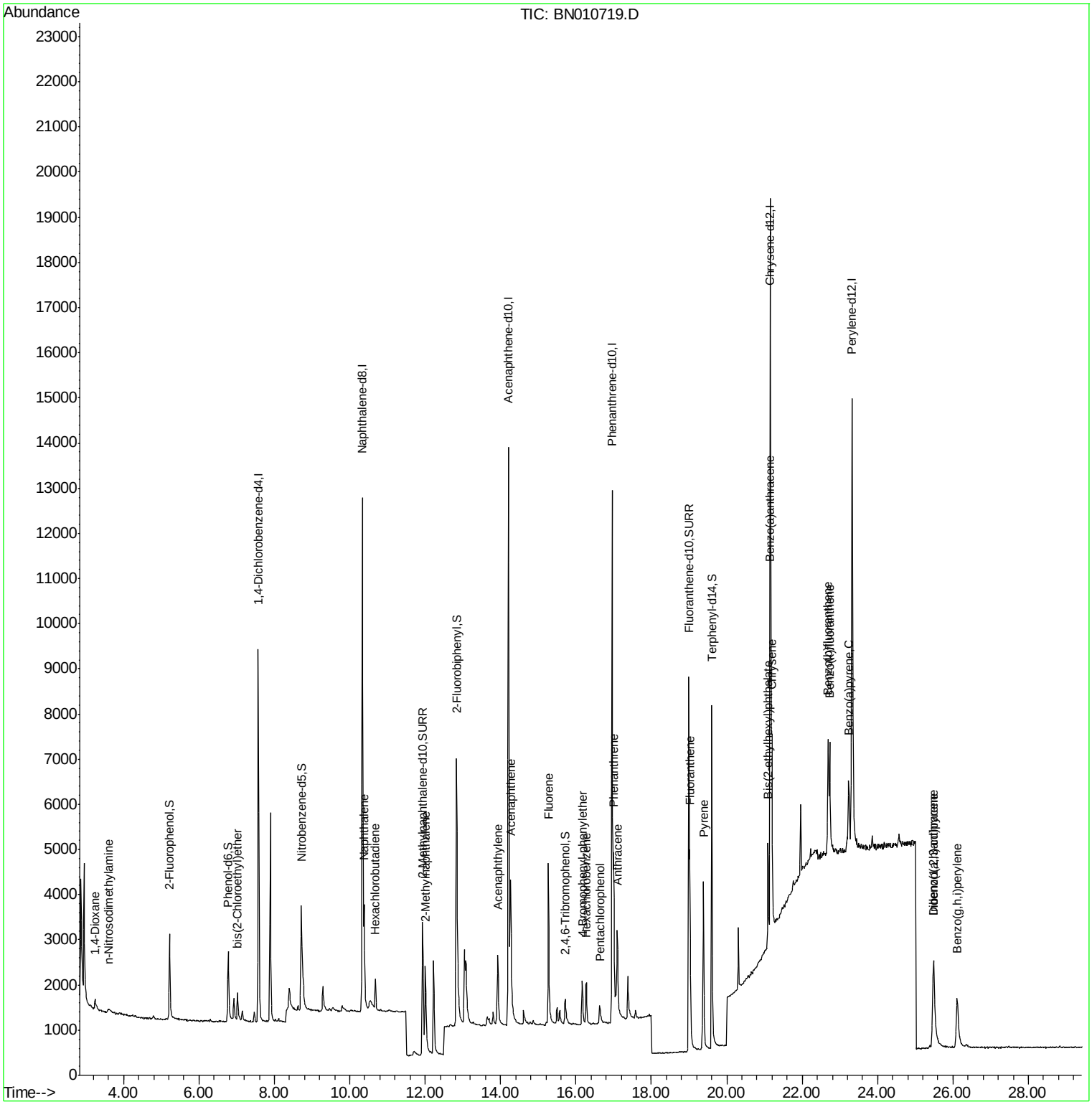
(#) = qualifier out of range (m) = manual integration (+) = signals summed

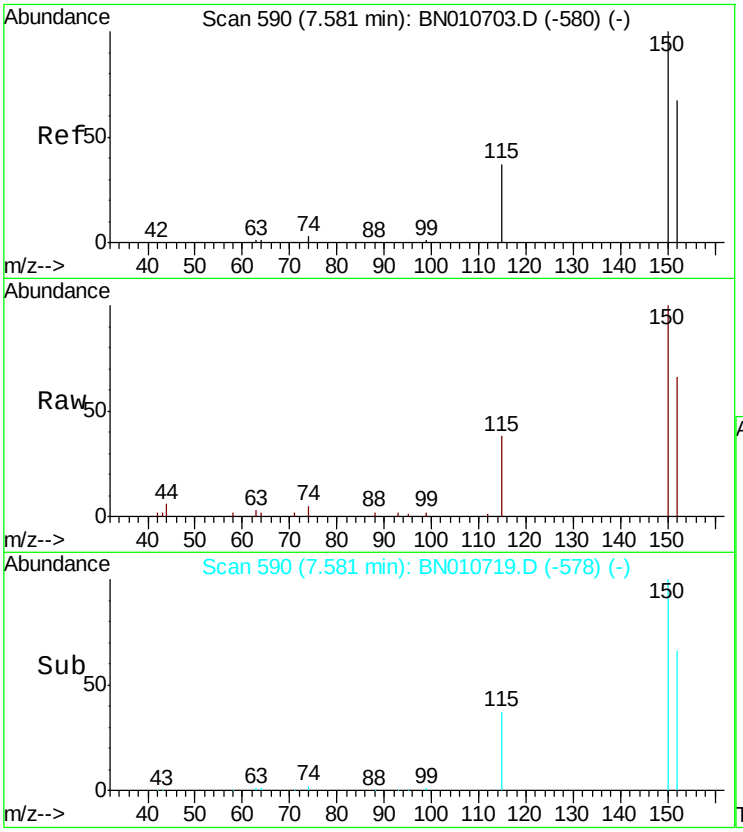
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051420\
Data File : BN010719.D
Acq On : 14 May 2020 19:20
Operator : CG/JU
Sample : L2182-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : LOQ-WATER-02-QT2-2020

Quant Time: May 15 01:52:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN051320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 14:18:48 2020
Response via : Initial Calibration



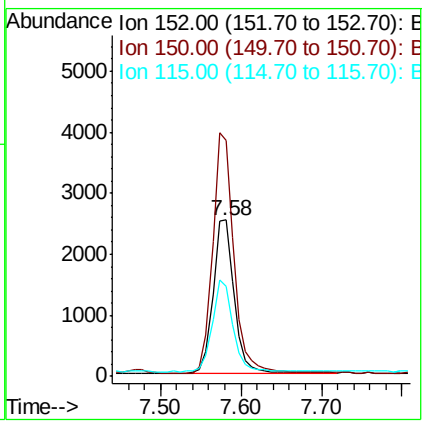


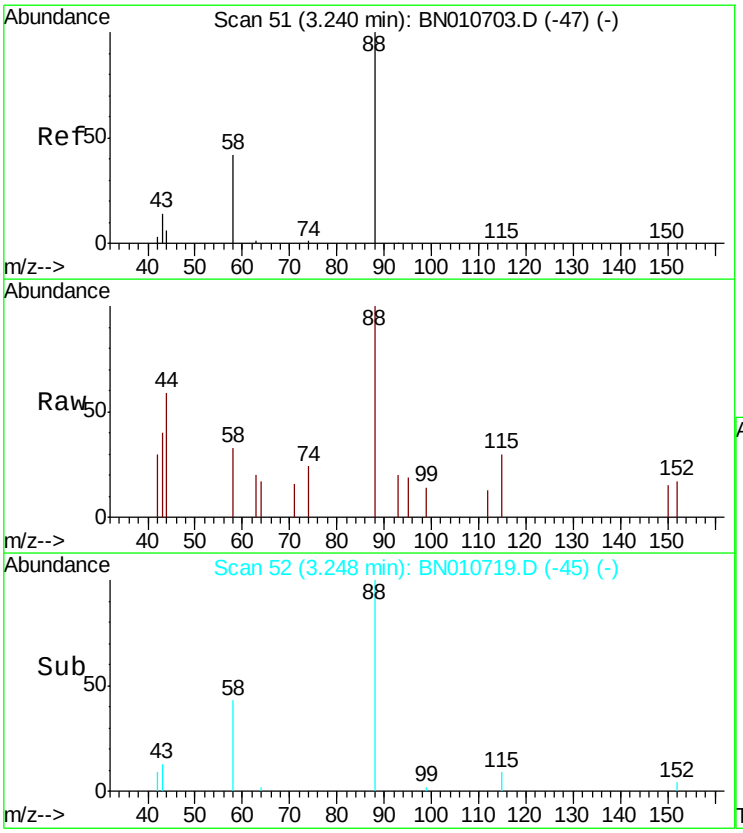
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.58 min Scan# 590
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:152 Resp: 4539

Ion	Ratio	Lower	Upper
152	100		
150	150.9	119.4	179.0
115	57.5	45.9	68.9

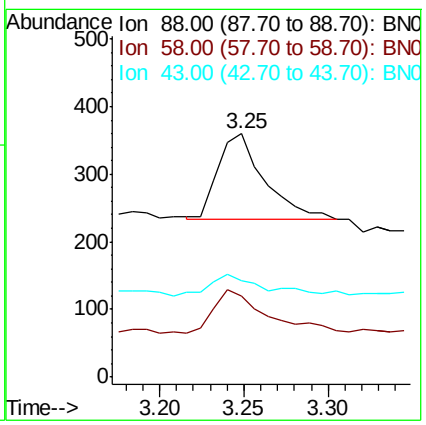


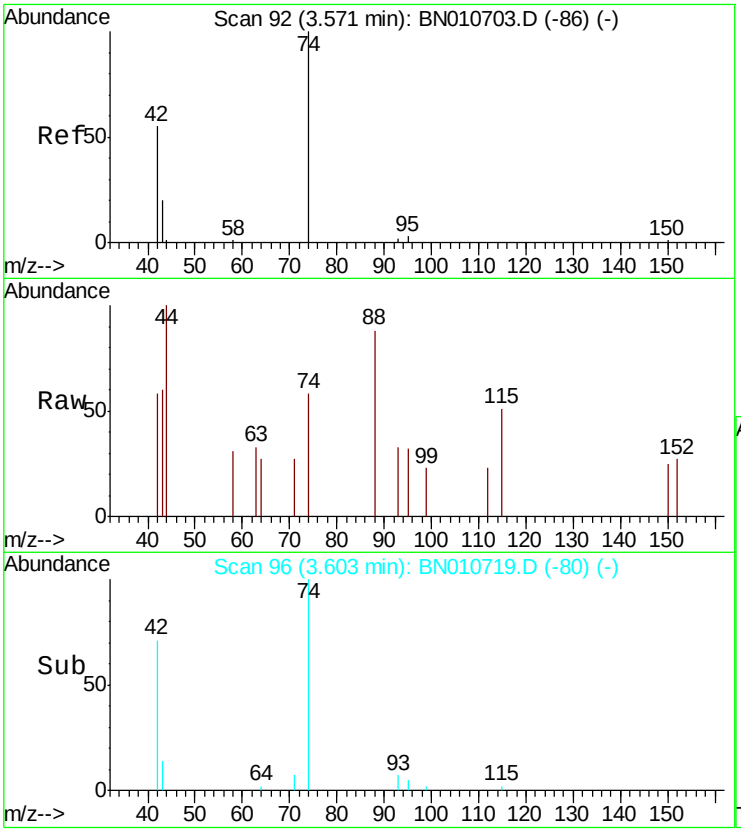


#2
1,4-Dioxane
Concen: 0.061 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion: 88 Resp: 238

Ion	Ratio	Lower	Upper
88	100		
58	58.0	39.0	58.6
43	31.5	13.1	19.7#



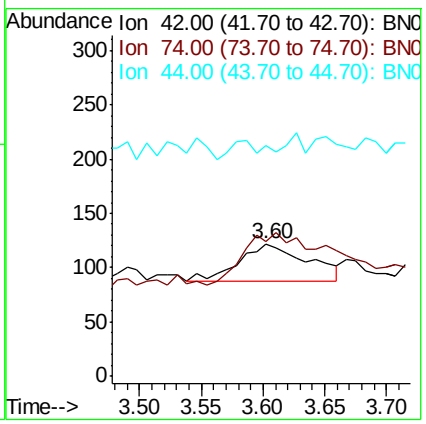


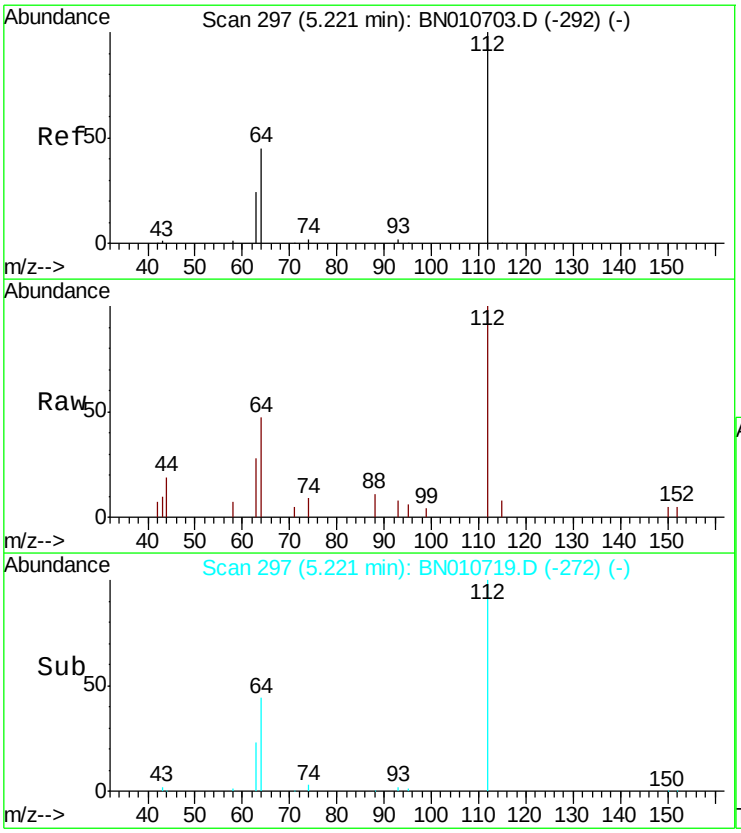
#3
n-Nitrosodimethylamine
Concen: 0.060 ng
RT: 3.60 min Scan# 96
Delta R.T. 0.03 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion: 42 Resp: 136

Ion	Ratio	Lower	Upper
42	100		
74	158.8	146.2	219.2
44	0.0	3.0	4.4#

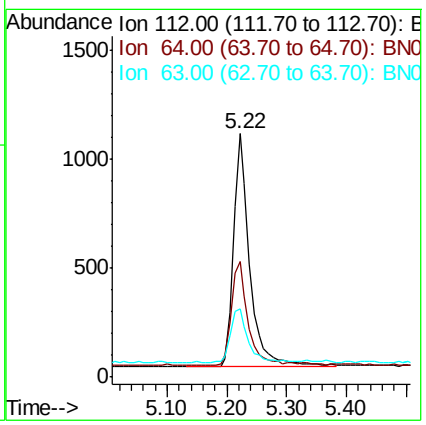


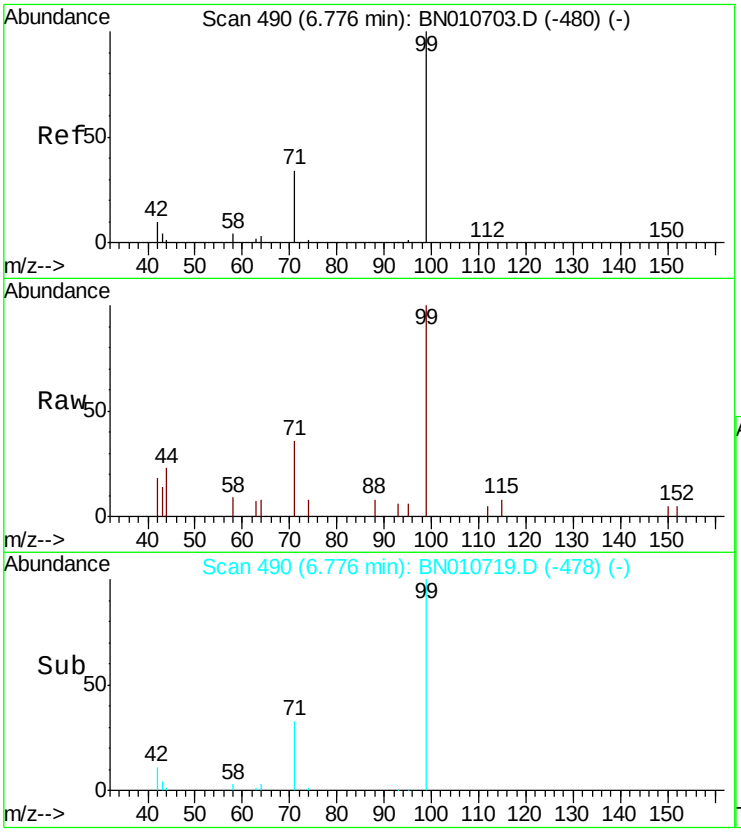


#4
2-Fluorophenol
Concen: 0.229 ng
RT: 5.22 min Scan# 297
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:112 Resp: 2039

Ion	Ratio	Lower	Upper
112	100		
64	45.6	36.2	54.4
63	25.3	19.8	29.8



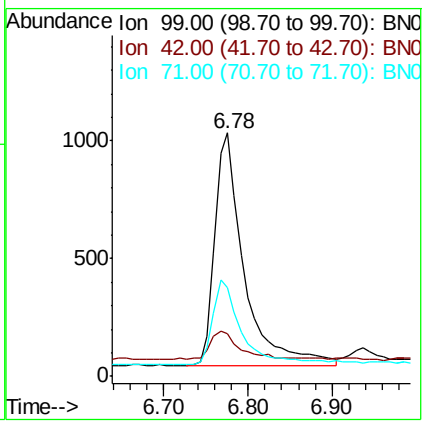


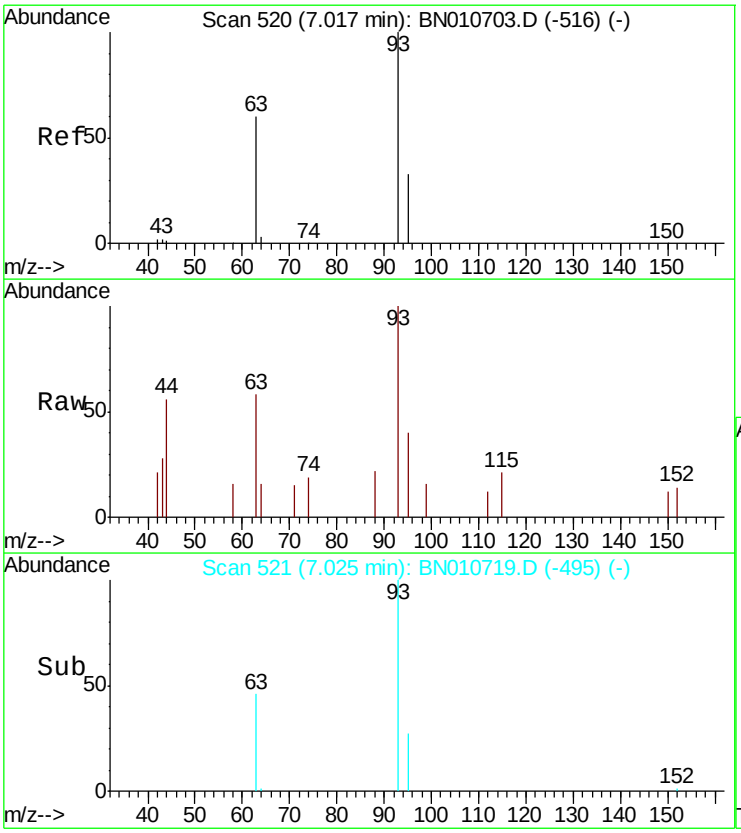
#5
Phenol-d6
Concen: 0.218 ng
RT: 6.78 min Scan# 490
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion: 99 Resp: 2369

Ion	Ratio	Lower	Upper
99	100		
42	12.1	9.8	14.8
71	35.8	28.6	42.8

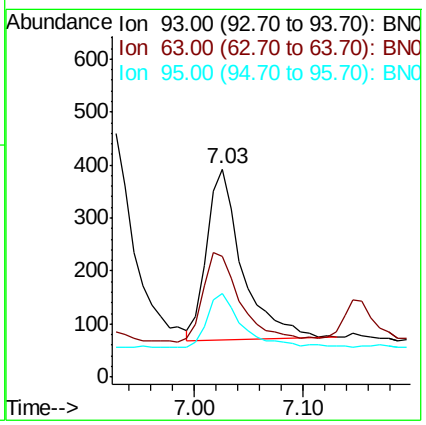


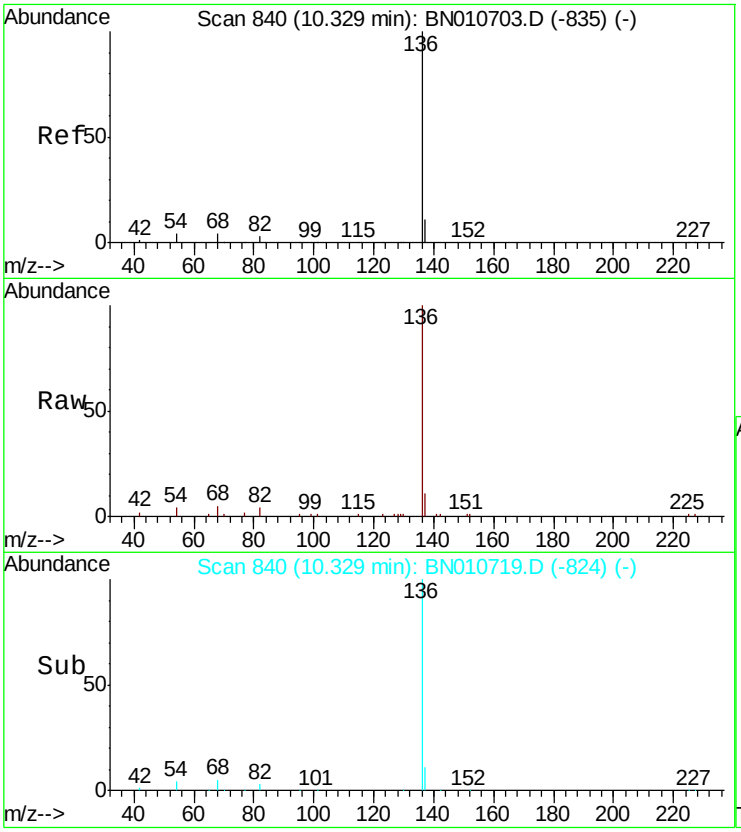


#6
bis(2-Chloroethyl)ether
Concen: 0.066 ng
RT: 7.03 min Scan# 521
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion: 93 Resp: 735

Ion	Ratio	Lower	Upper
93	100		
63	56.2	43.1	64.7
95	31.4	24.6	37.0



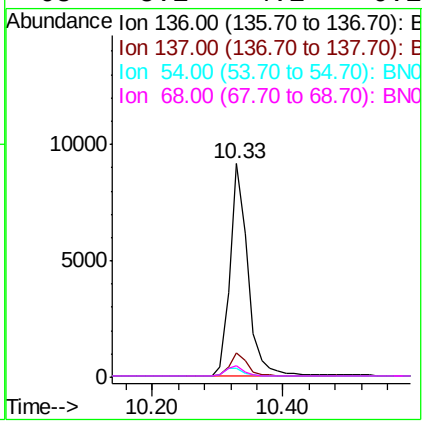


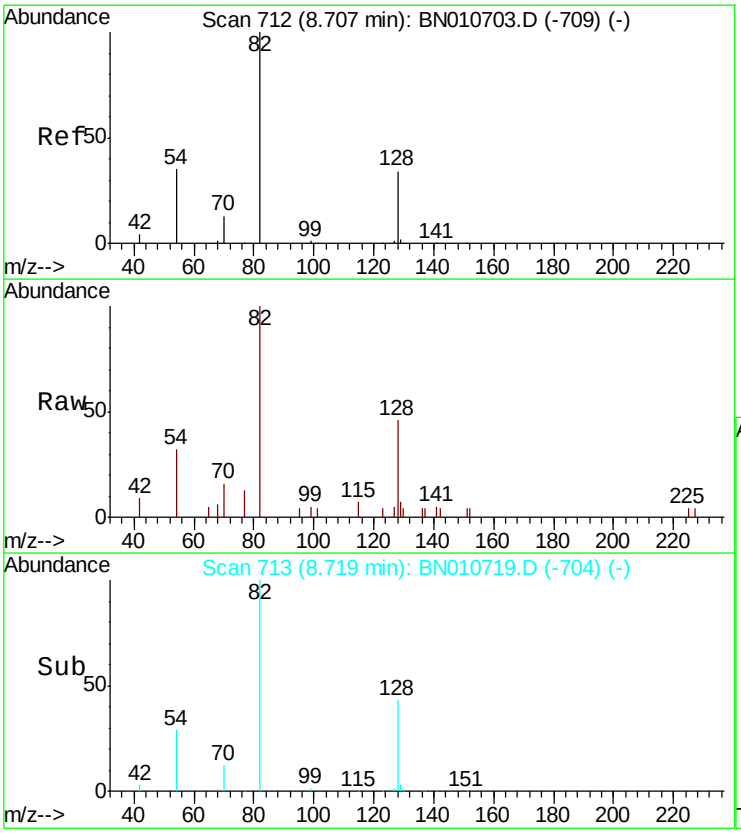
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.33 min Scan# 840
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:136 Resp: 17369

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	4.3	3.6	5.4
68	5.1	4.1	6.1

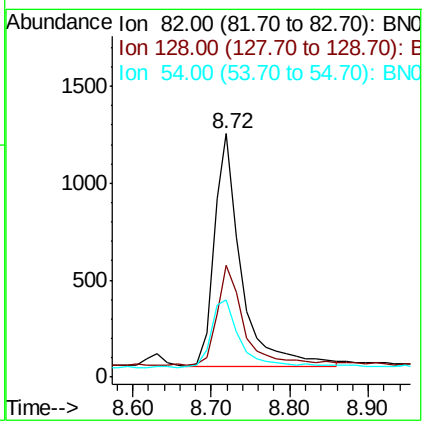


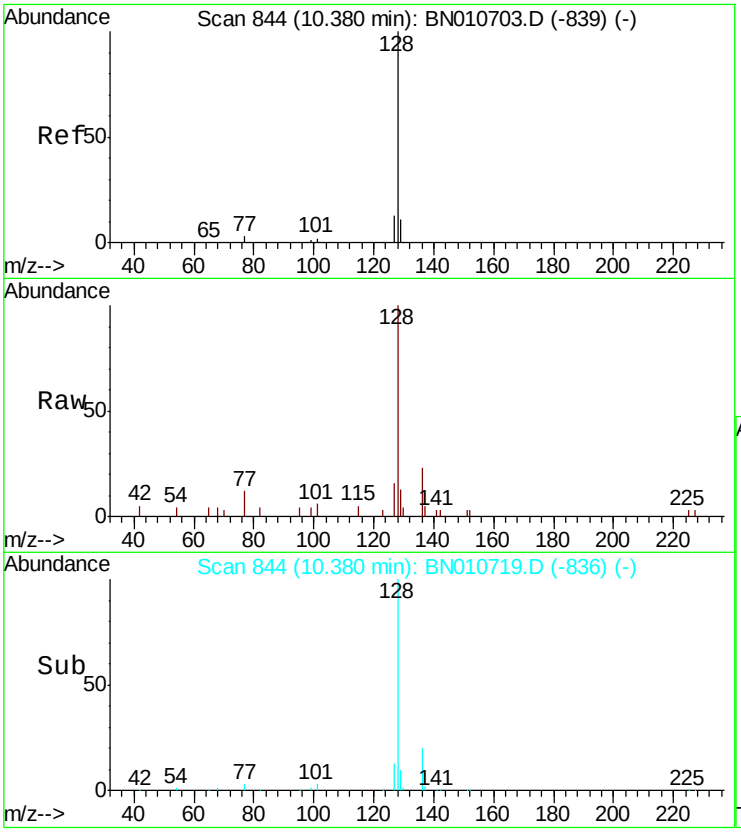


#8
Nitrobenzene-d5
Concen: 0.236 ng
RT: 8.72 min Scan# 713
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion: 82 Resp: 2852

Ion	Ratio	Lower	Upper
82	100		
128	46.0	29.0	43.4#
54	31.8	29.3	43.9



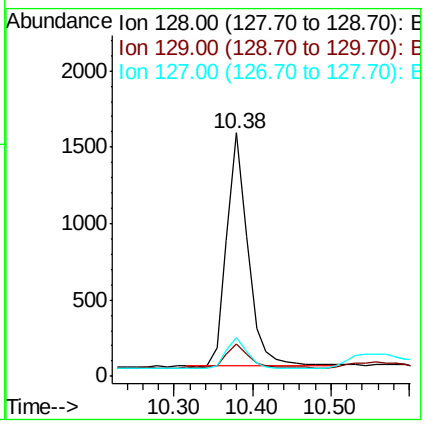


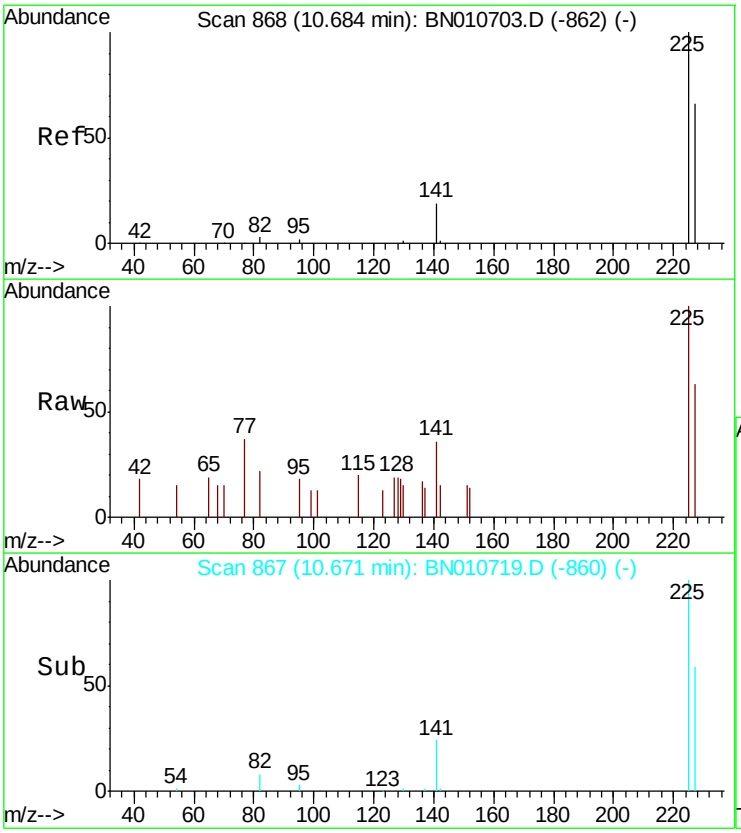
#9
Naphthalene
Concen: 0.066 ng
RT: 10.38 min Scan# 844
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:128 Resp: 2896

Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.3	13.9
127	15.9	11.0	16.6

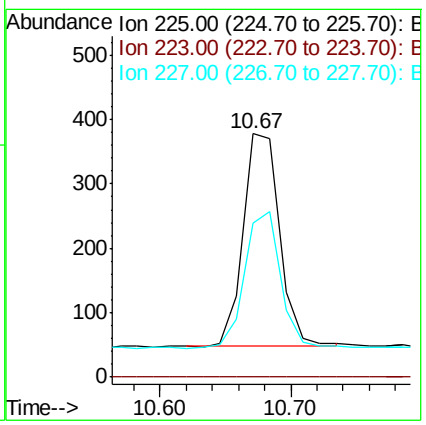


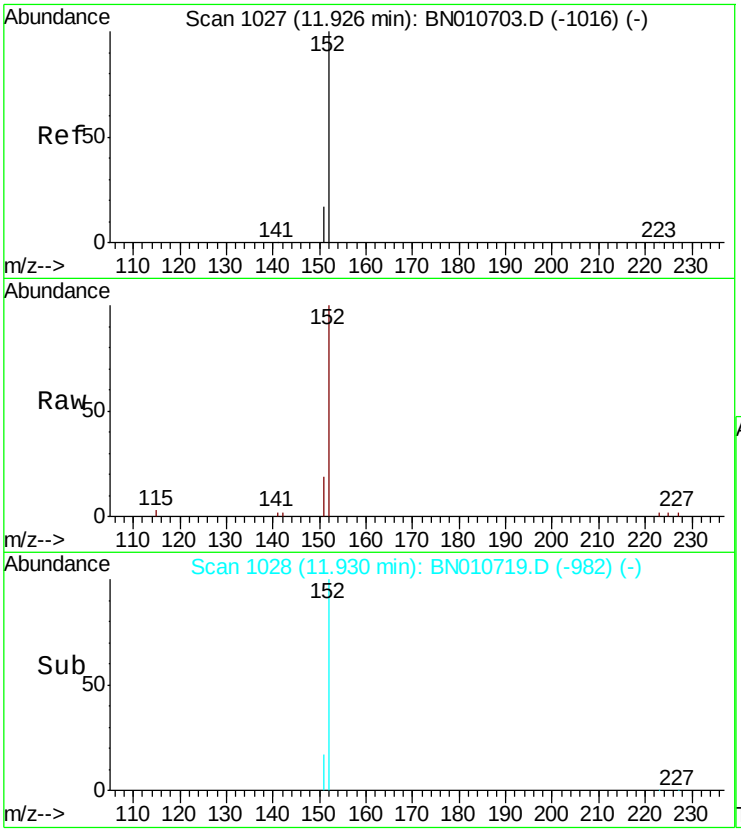


#10
Hexachlorobutadiene
Concen: 0.064 ng
RT: 10.67 min Scan# 867
Delta R.T. -0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:225 Resp: 638

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.7	76.1



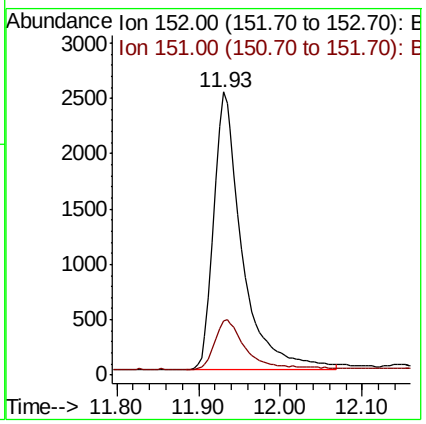


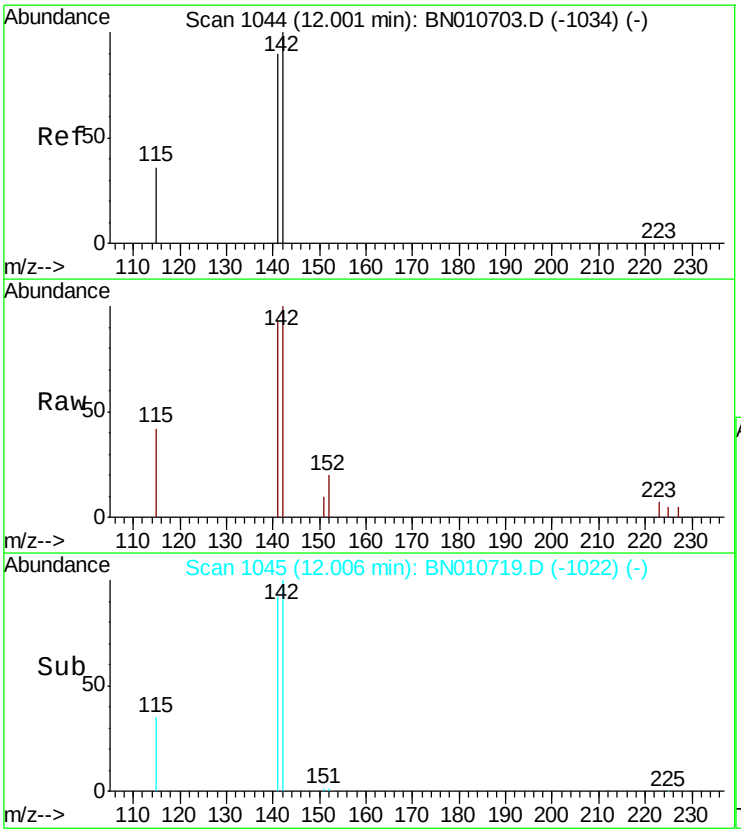
#11
2-Methylnaphthalene-d10
Concen: 0.212 ng
RT: 11.93 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:152 Resp: 6013

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.0	22.6

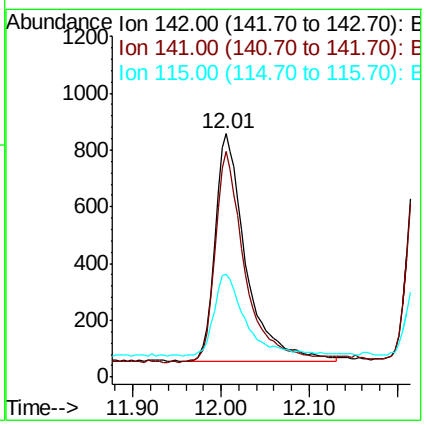


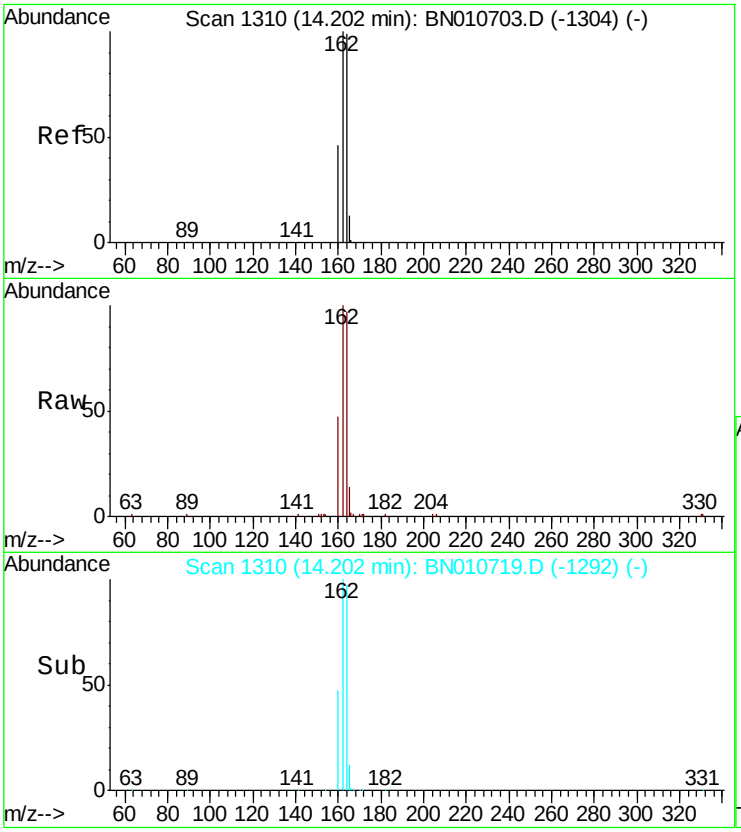


#12
2-Methylnaphthalene
Concen: 0.064 ng
RT: 12.01 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:142 Resp: 1962

Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.7	107.5
115	42.1	29.8	44.6



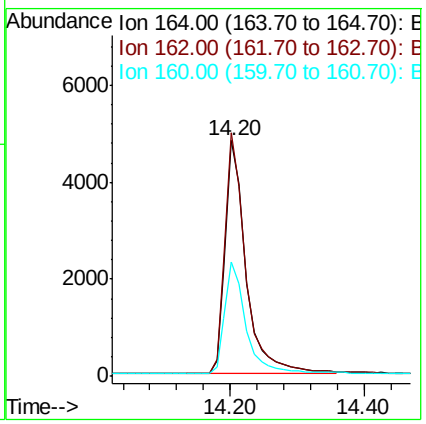


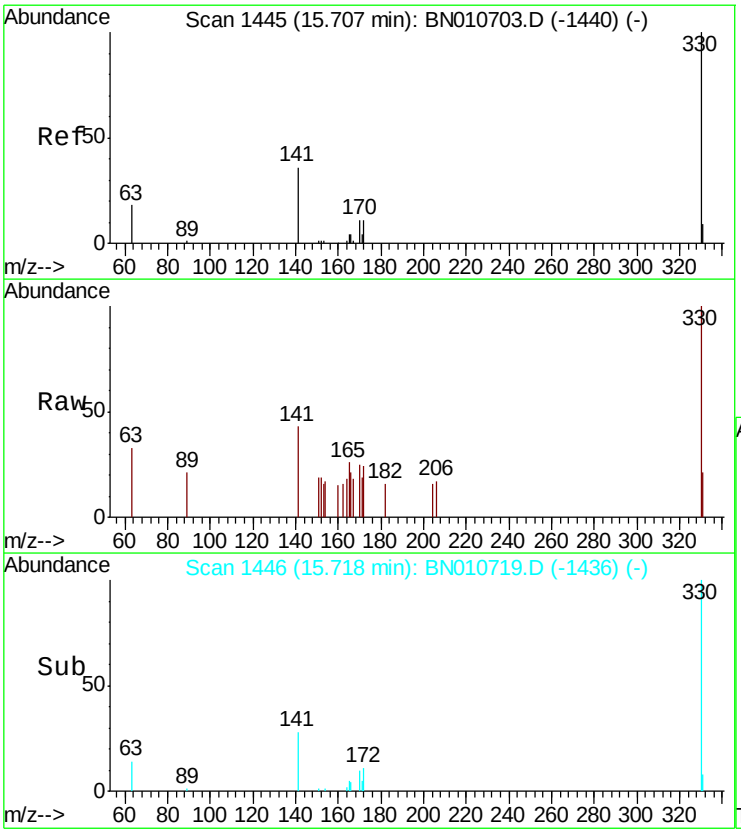
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:164 Resp: 10472

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.1	121.7
160	48.8	37.9	56.9

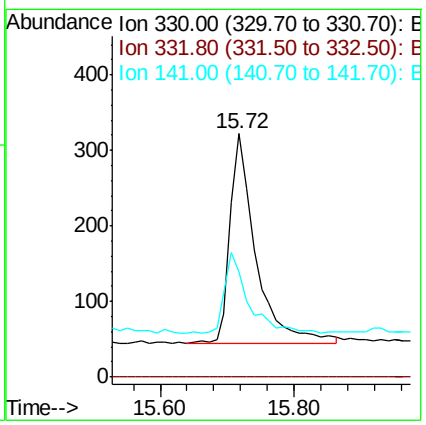


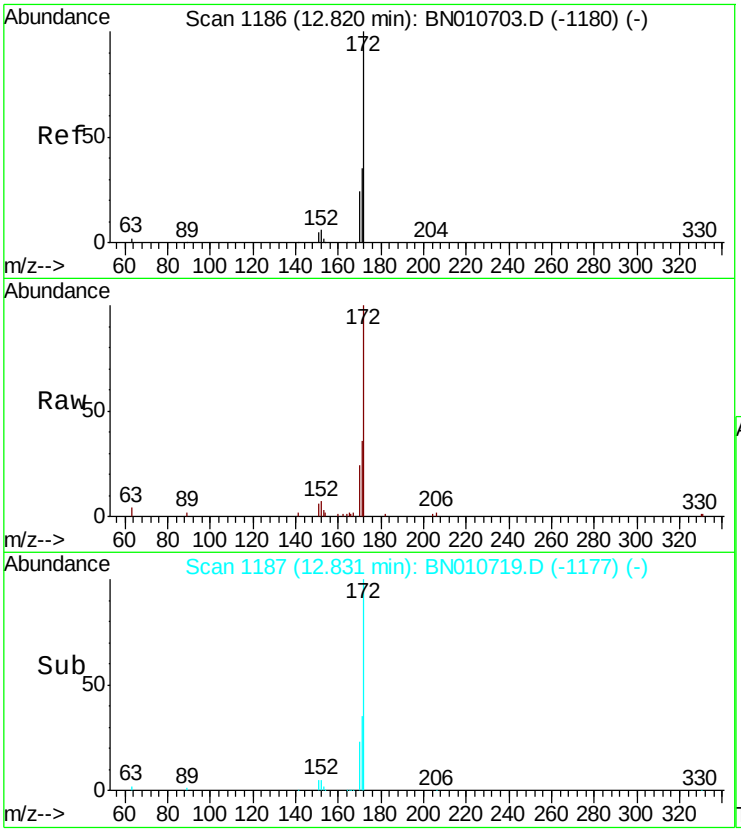


#14
2,4,6-Tribromophenol
Concen: 0.192 ng
RT: 15.72 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:330 Resp: 728

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.4	28.8	43.2



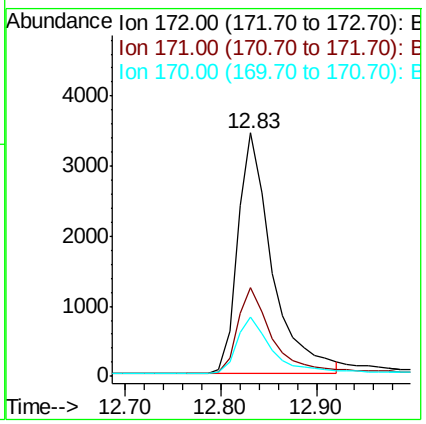


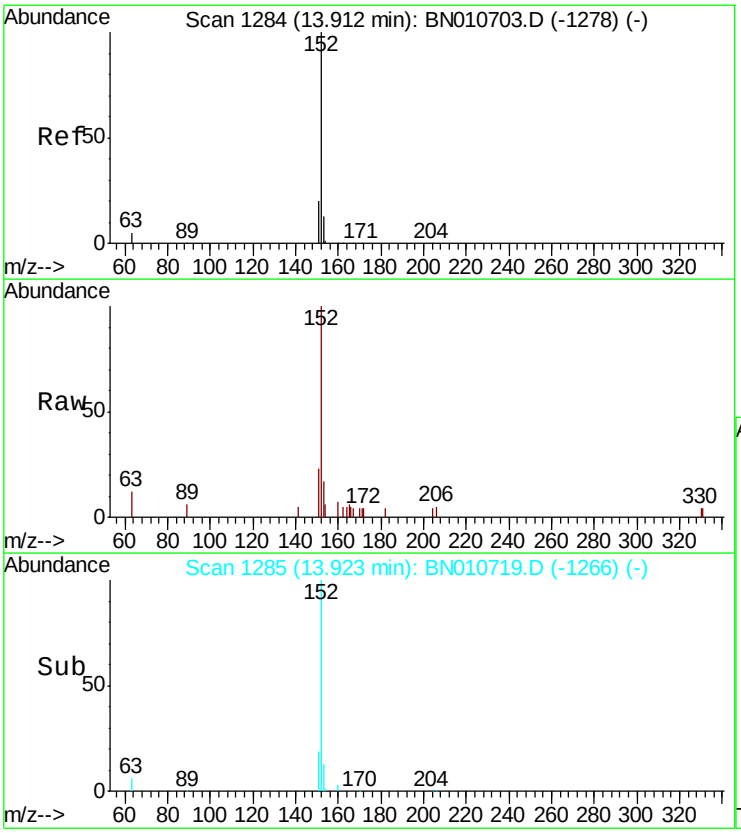
#15
2-Fluorobiphenyl
Concen: 0.222 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:172 Resp: 8547

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	24.4	19.8	29.8

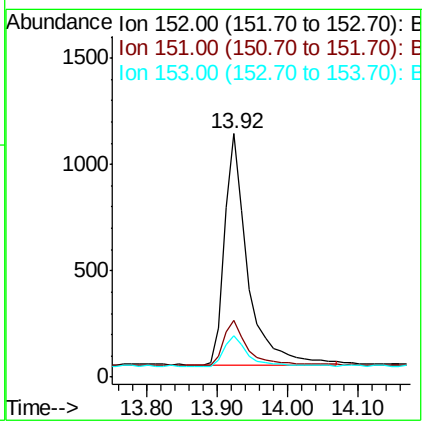


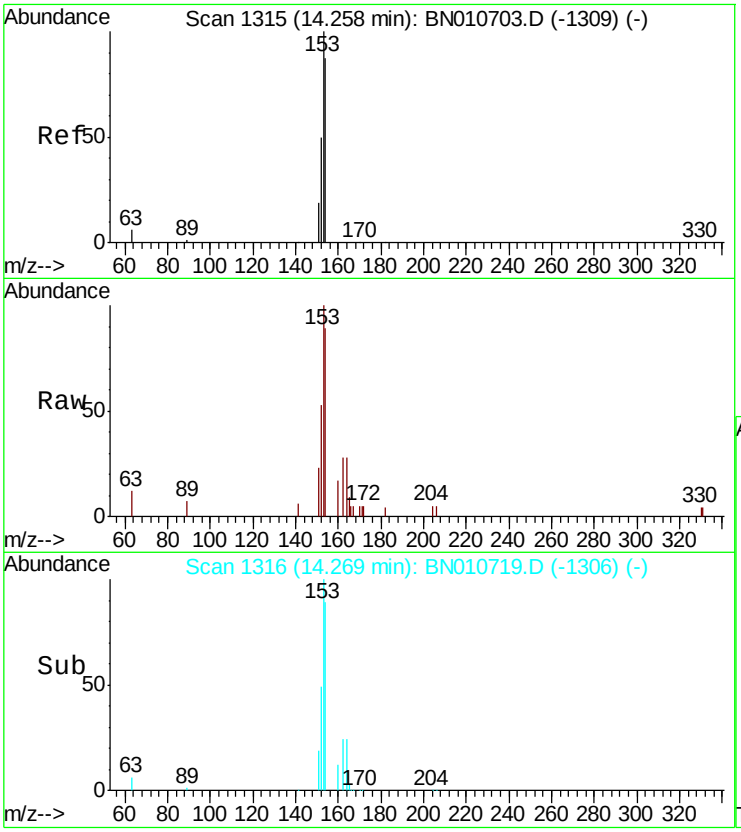


#16
Acenaphthylene
Concen: 0.059 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:152 Resp: 2510

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.6	23.4
153	14.3	10.4	15.6



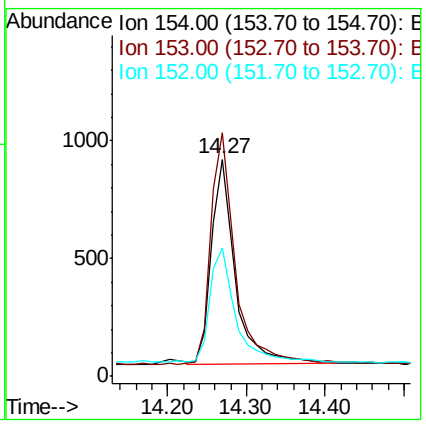


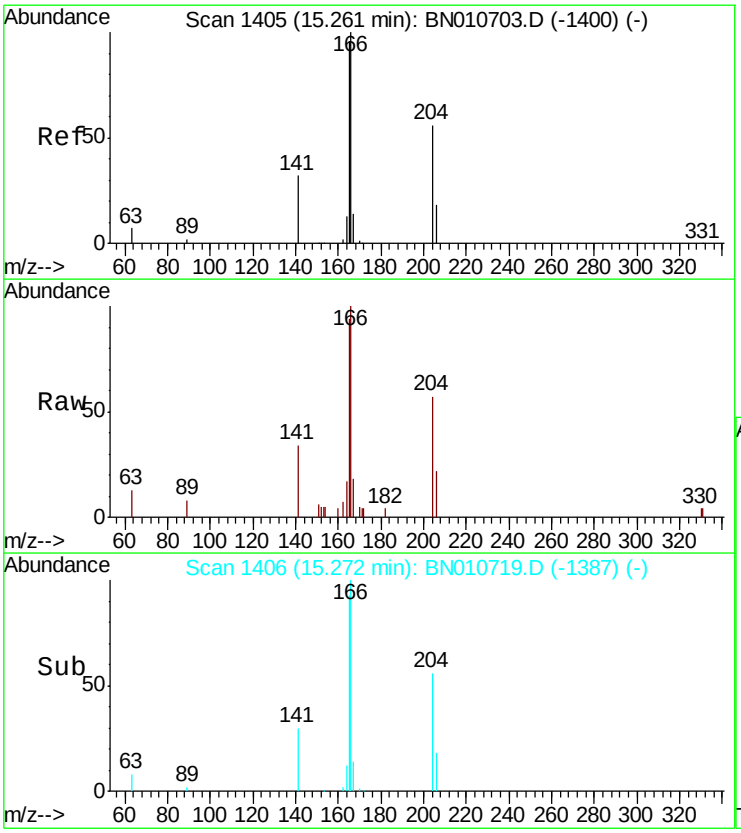
#17
Acenaphthene
Concen: 0.062 ng
RT: 14.27 min Scan# 1316
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:154 Resp: 1805

Ion	Ratio	Lower	Upper
154	100		
153	118.6	91.5	137.3
152	60.0	45.6	68.4

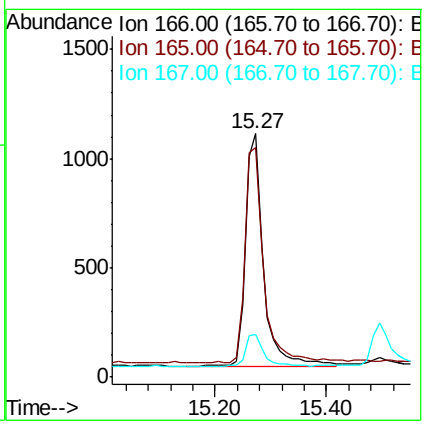


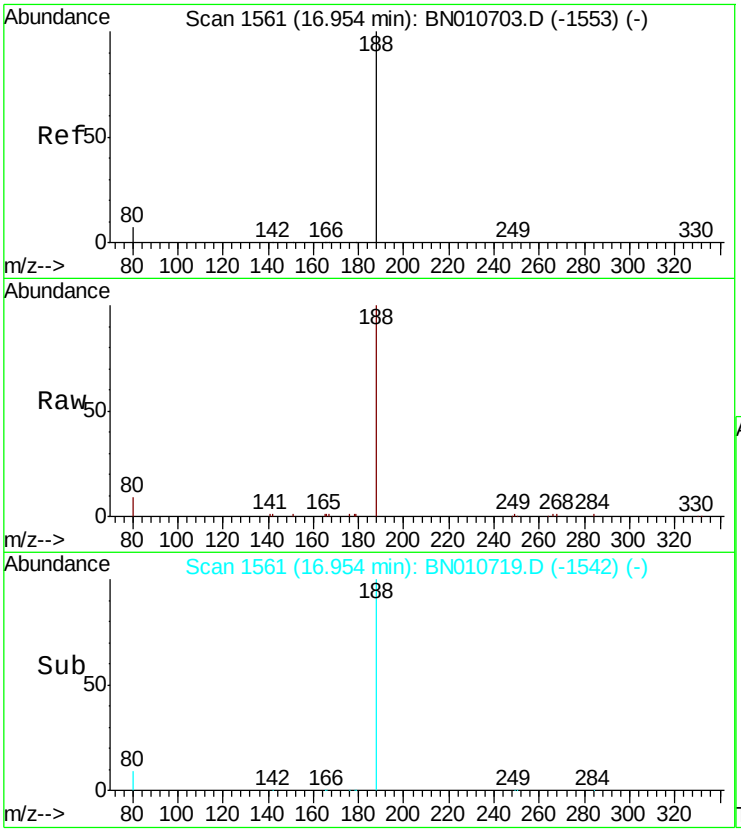


#18
Fluorene
Concen: 0.062 ng
RT: 15.27 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:166 Resp: 2346

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.9	116.9
167	13.5	11.0	16.4



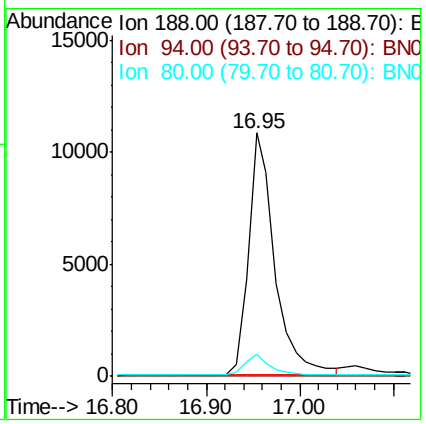


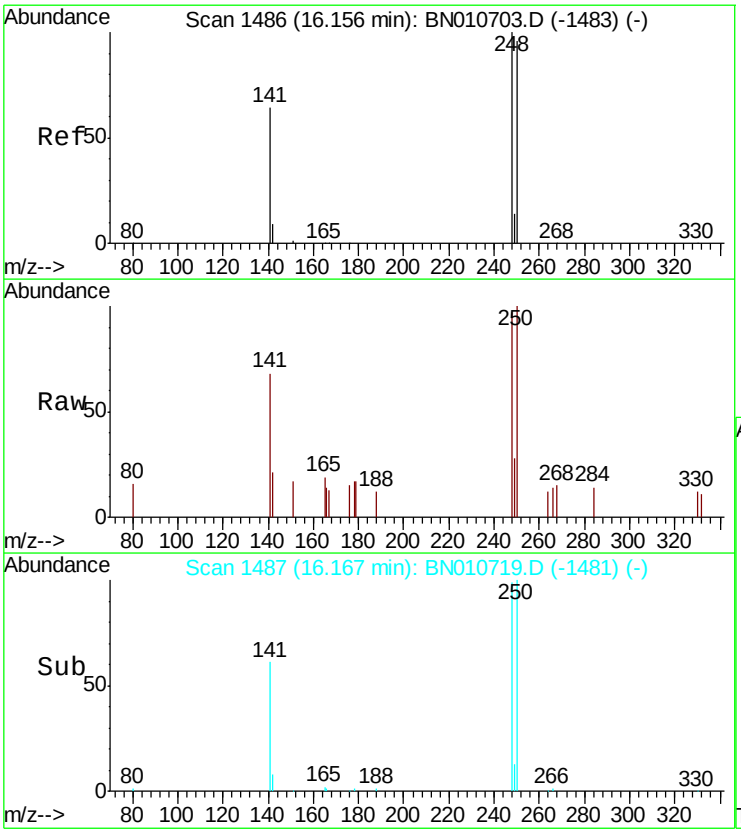
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.95 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:188 Resp: 21180

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	6.3	9.5

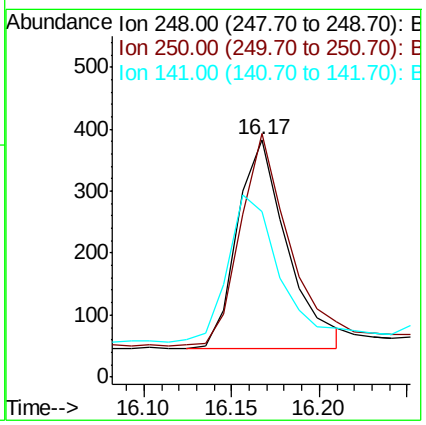


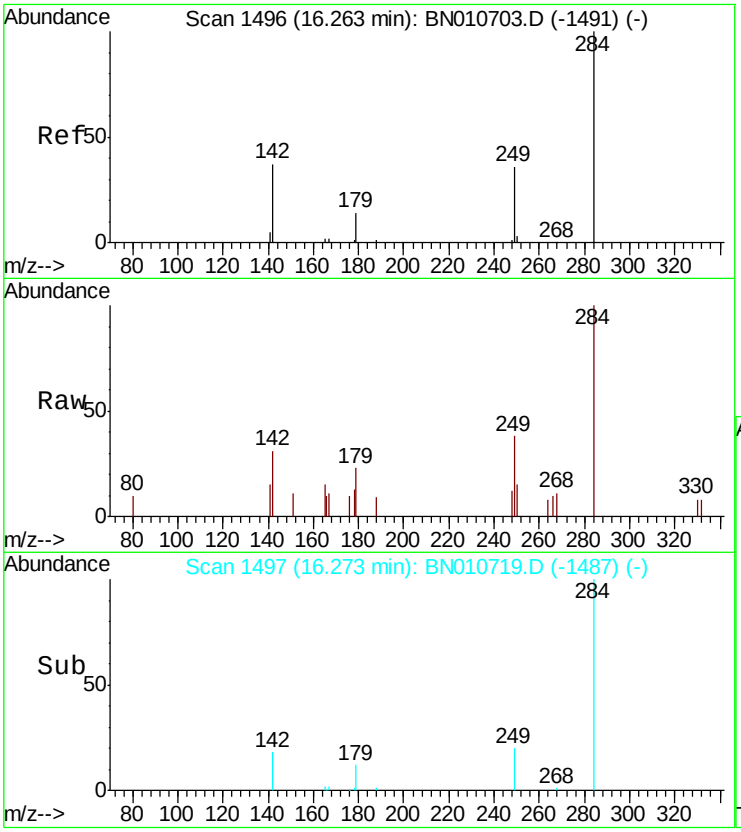


#20
4-Bromophenyl-phenylether
Concen: 0.057 ng
RT: 16.17 min Scan# 1487
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:248 Resp: 665

Ion	Ratio	Lower	Upper
248	100		
250	102.6	77.4	116.0
141	69.5	53.1	79.7



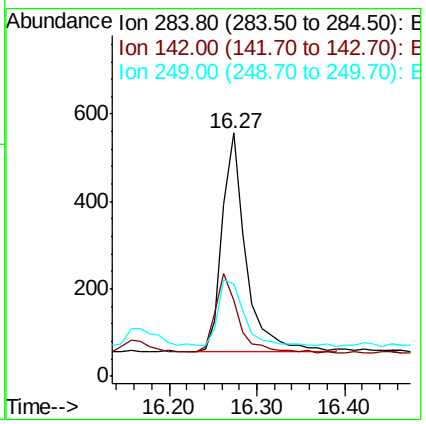


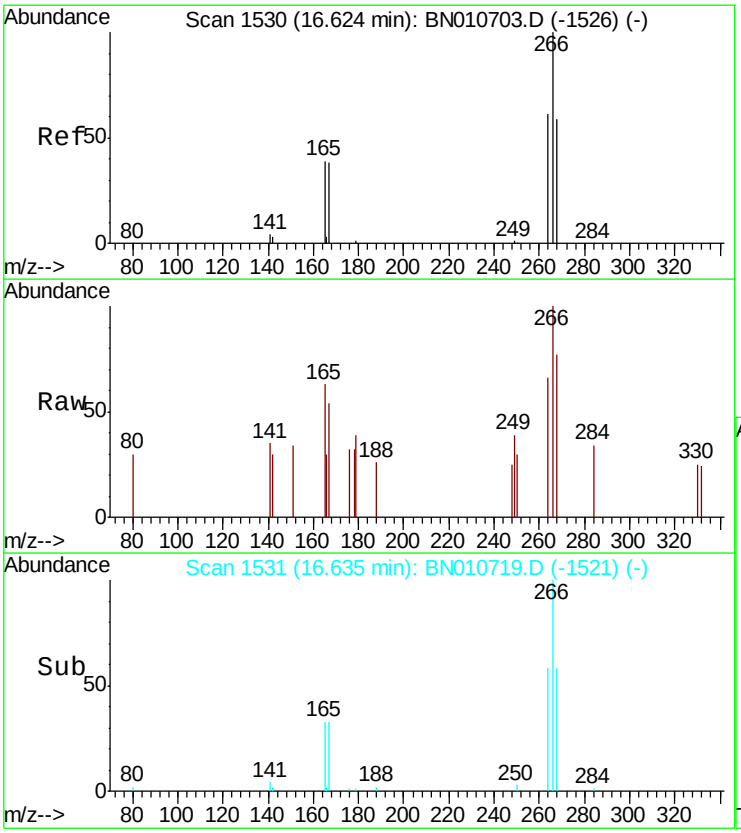
#21
Hexachlorobenzene
Concen: 0.068 ng
RT: 16.27 min Scan# 1497
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:284 Resp: 946

Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.2	42.2
249	33.7	26.4	39.6

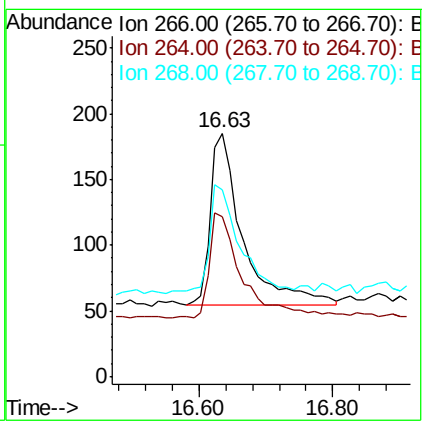


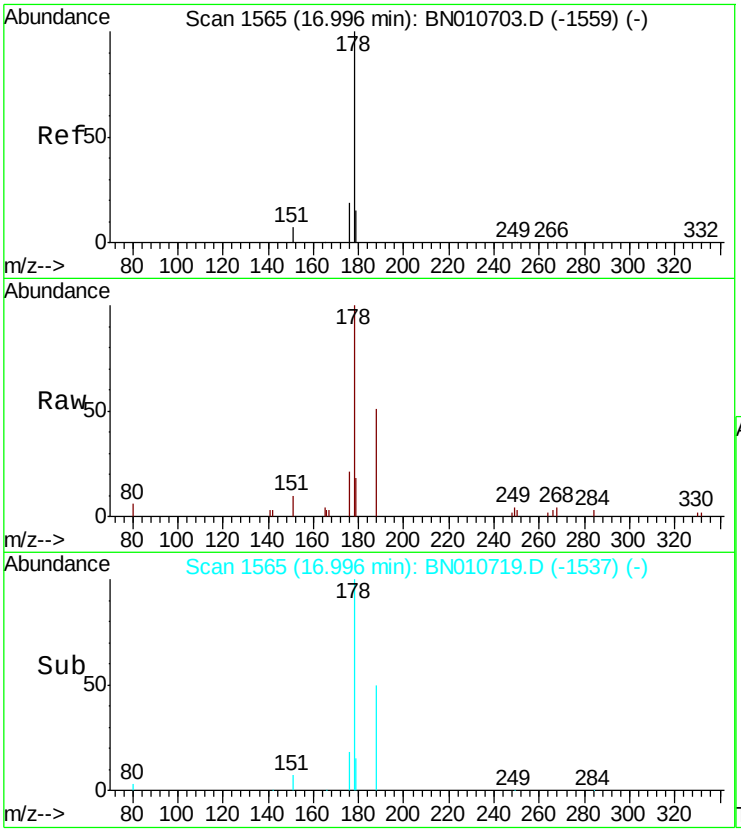


#22
Pentachlorophenol
Concen: 0.102 ng
RT: 16.63 min Scan# 1531
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:266 Resp: 440

Ion	Ratio	Lower	Upper
266	100		
264	65.9	51.1	76.7
268	76.8	52.1	78.1



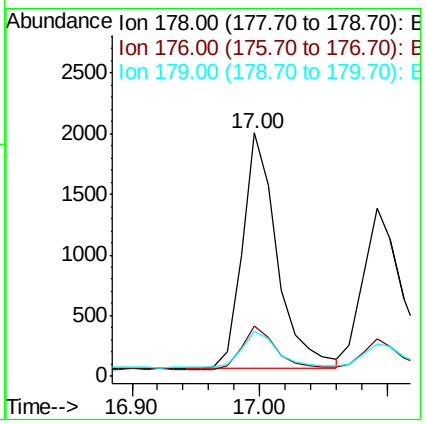


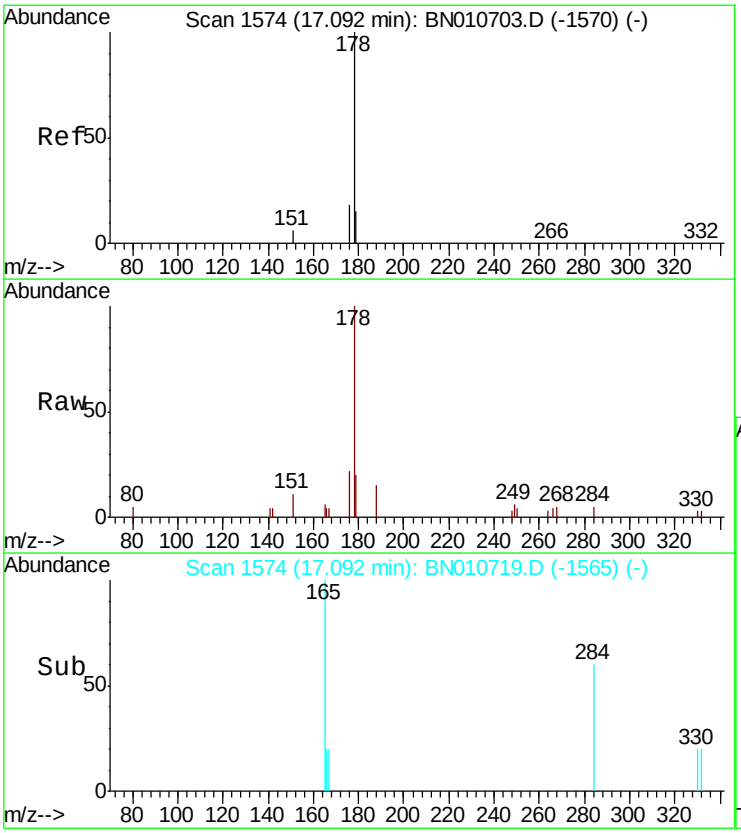
#23
Phenanthrene
Concen: 0.065 ng
RT: 17.00 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:178 Resp: 3681

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	16.6	12.2	18.4

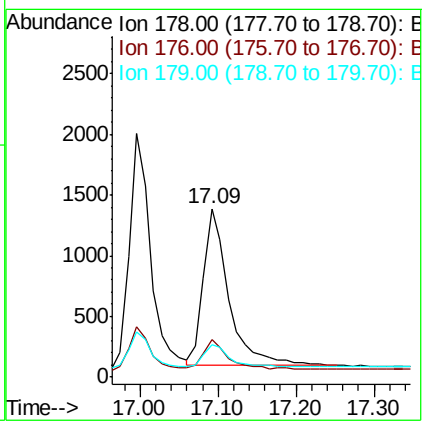


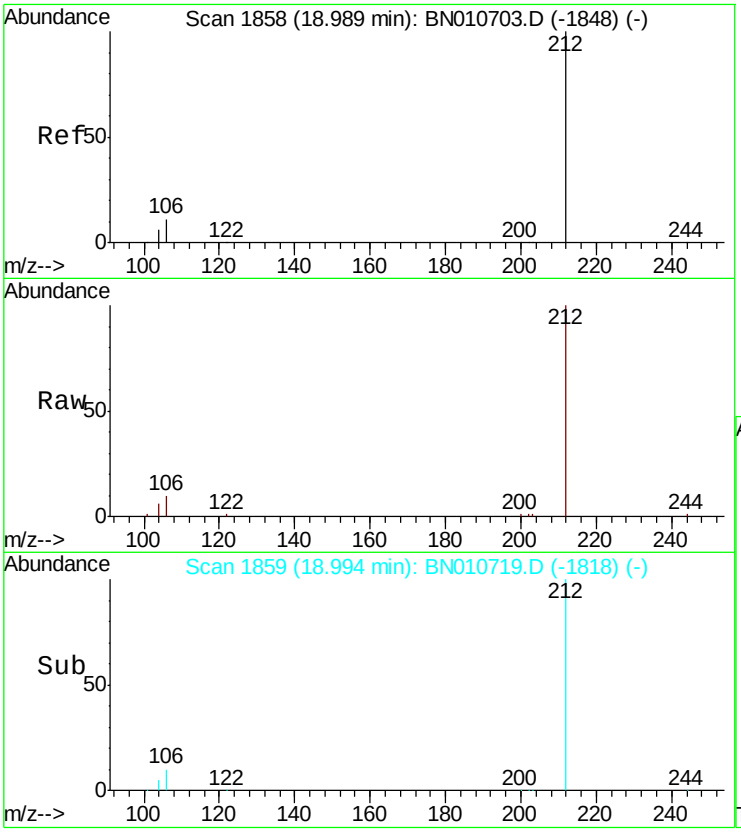


#24
Anthracene
Concen: 0.061 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:178 Resp: 2934

Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.7	22.1
179	13.9	12.3	18.5



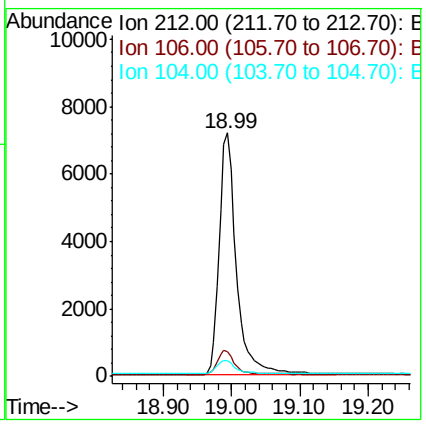


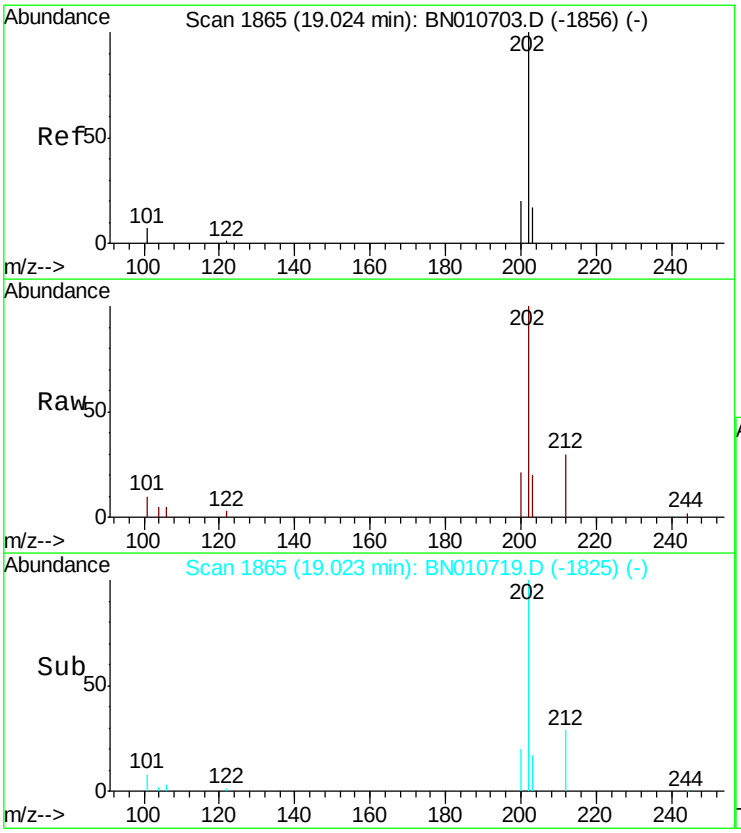
#25
Fluoranthene-d10
Concen: 0.220 ng
RT: 18.99 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:212 Resp: 12616

Ion	Ratio	Lower	Upper
212	100		
106	9.9	8.2	12.2
104	5.9	4.7	7.1

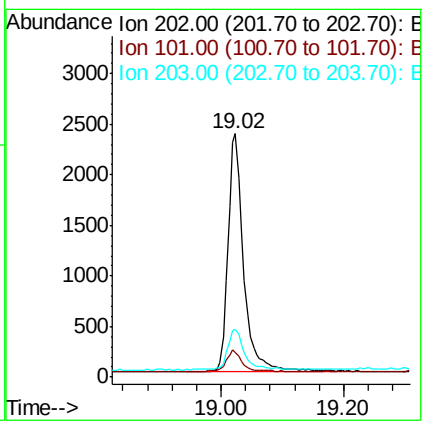


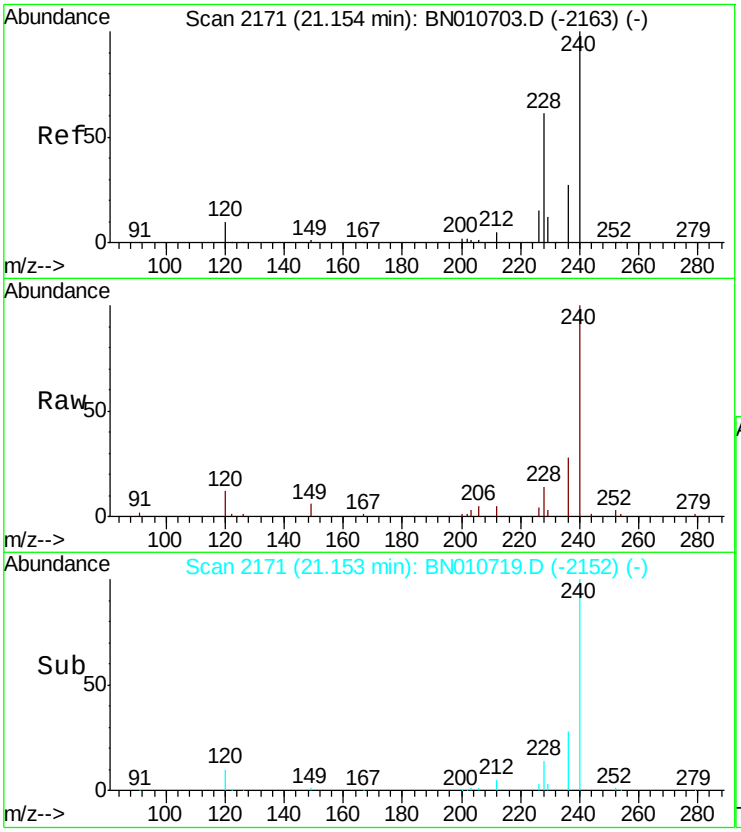


#26
Fluoranthene
Concen: 0.065 ng
RT: 19.02 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:202 Resp: 4221

Ion	Ratio	Lower	Upper
202	100		
101	9.7	6.7	10.1
203	17.2	13.4	20.0



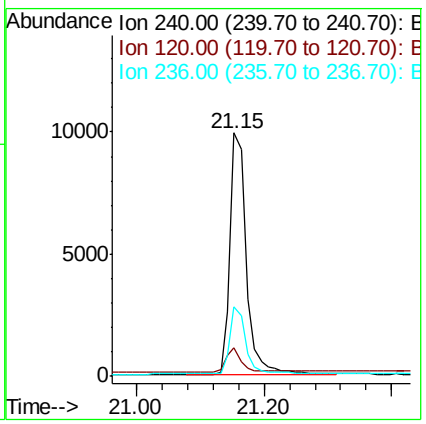


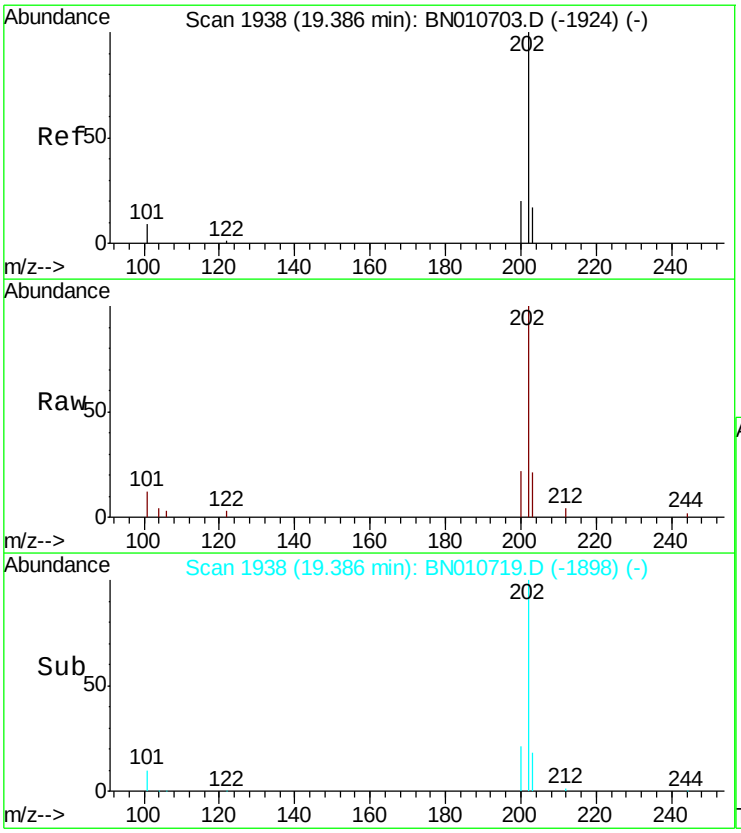
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.15 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:240 Resp: 17977

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	28.4	22.5	33.7

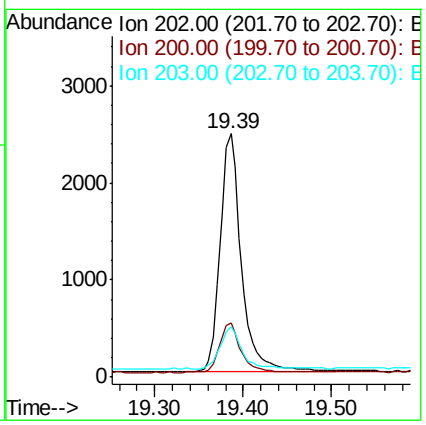


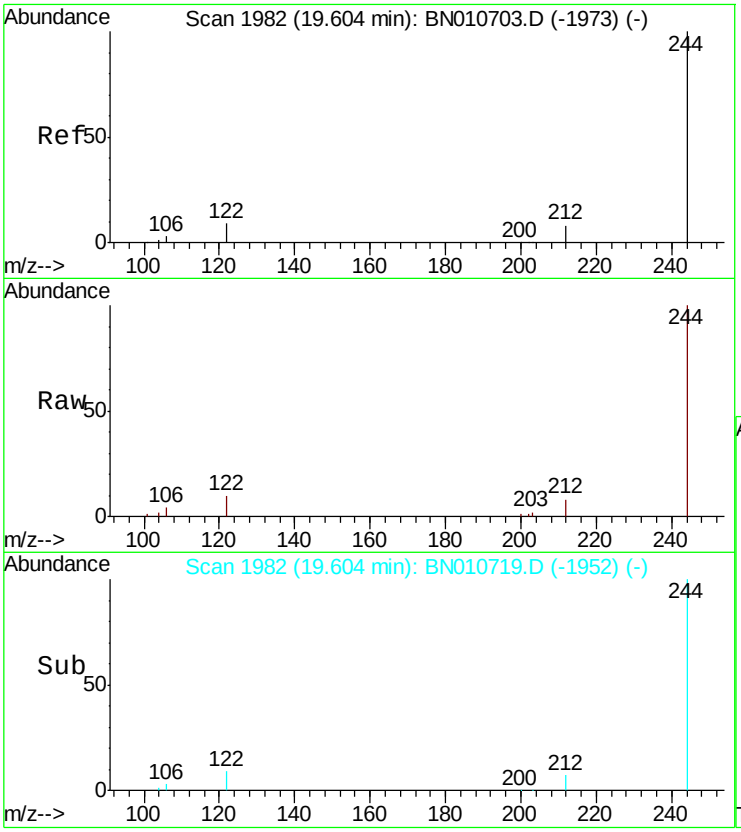


#28
Pyrene
Concen: 0.064 ng
RT: 19.39 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:202 Resp: 4132

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	18.2	14.1	21.1



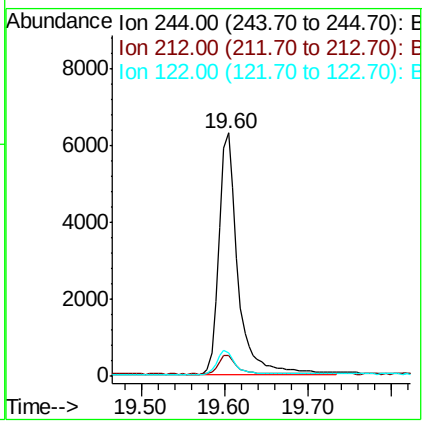


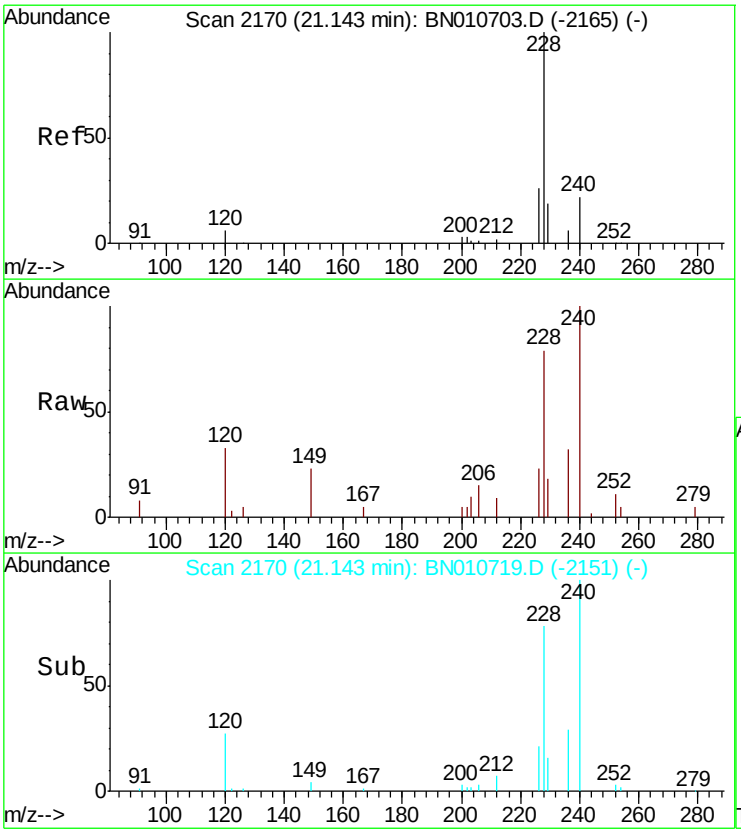
#29
Terphenyl-d14
Concen: 0.232 ng
RT: 19.60 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:244 Resp: 9910

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.8	10.2
122	9.6	8.1	12.1

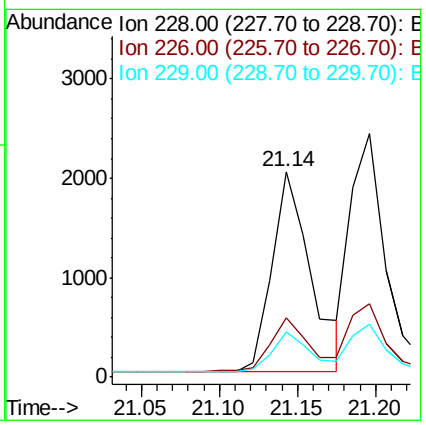


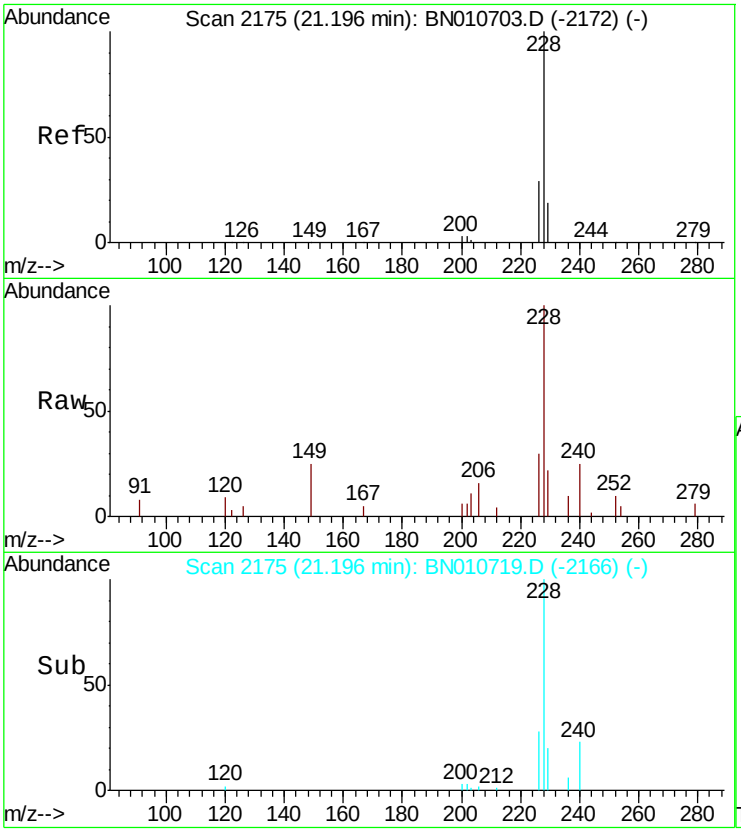


#30
Benzo(a)anthracene
Concen: 0.067 ng
RT: 21.14 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:228 Resp: 3498

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.3	31.9
229	22.3	16.0	24.0



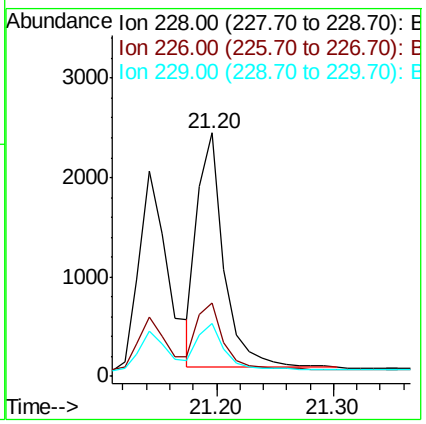


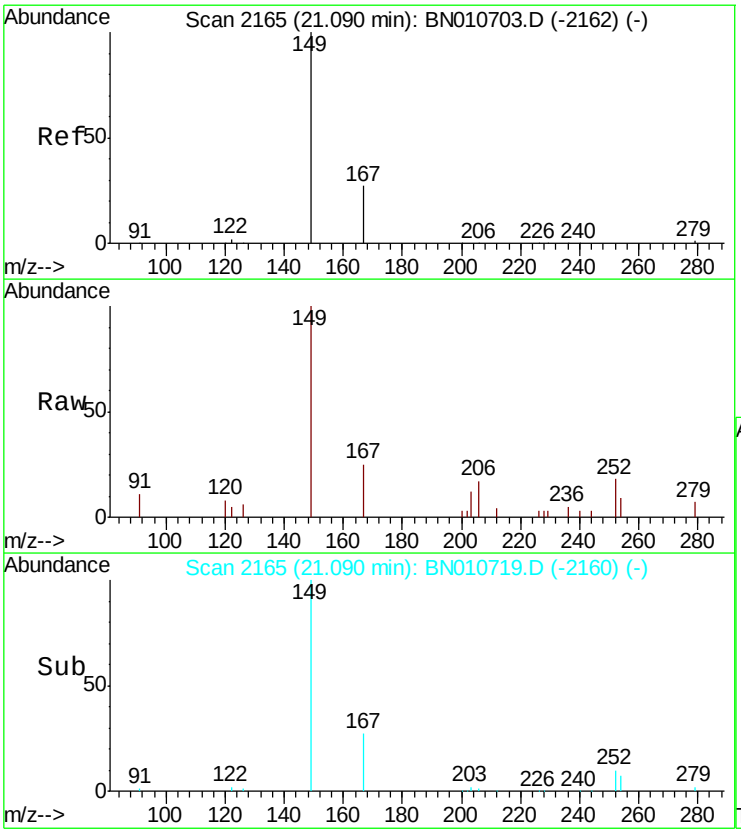
#31
Chrysene
Concen: 0.062 ng
RT: 21.20 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:228 Resp: 3710

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	21.7	16.1	24.1

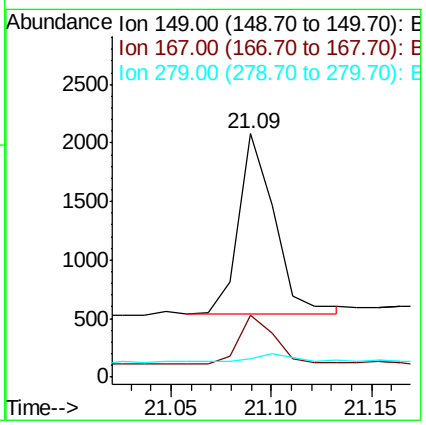


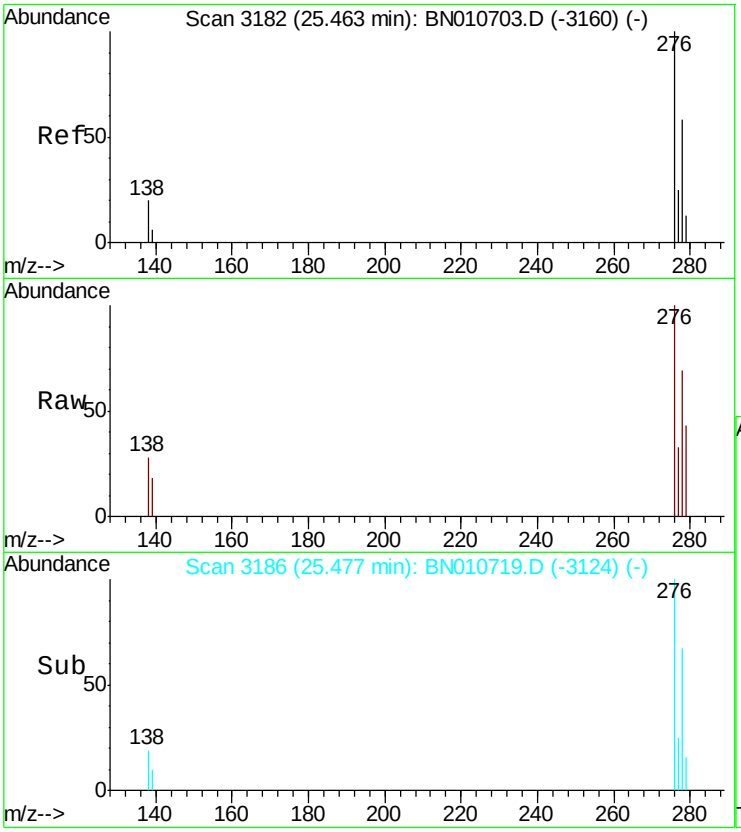


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.085 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:149 Resp: 1944

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	4.1	4.1	6.1



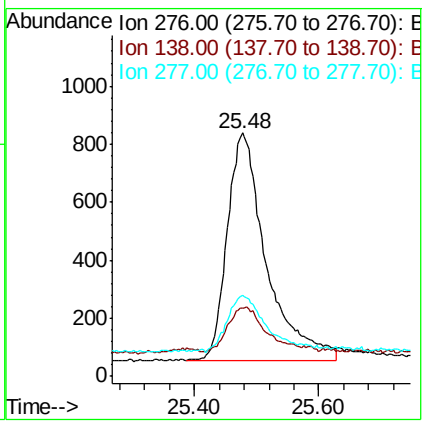


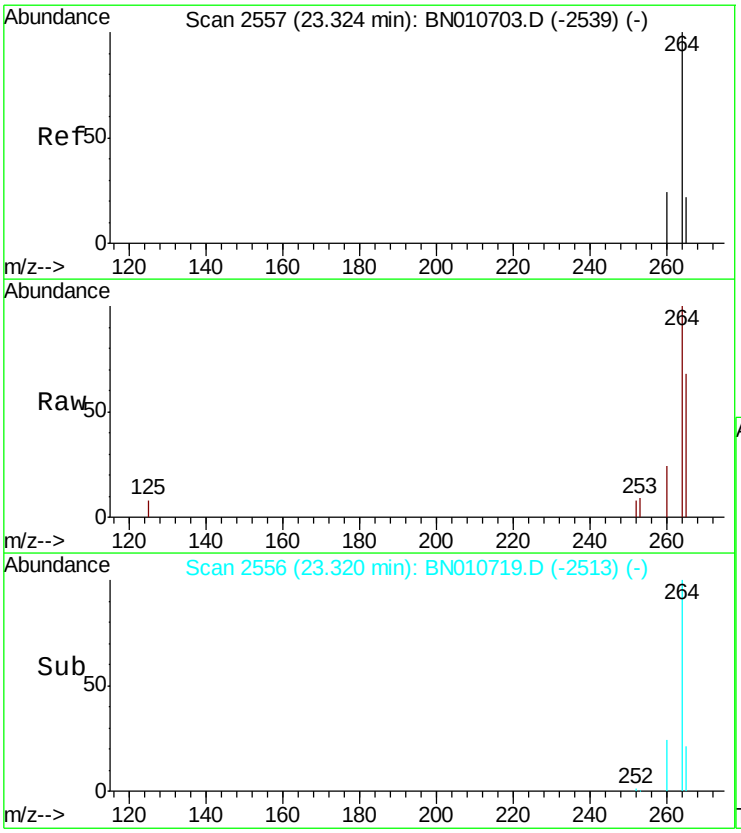
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.065 ng
RT: 25.48 min Scan# 3186
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:276 Resp: 3441

Ion	Ratio	Lower	Upper
276	100		
138	18.7	15.1	22.7
277	24.1	19.4	29.0

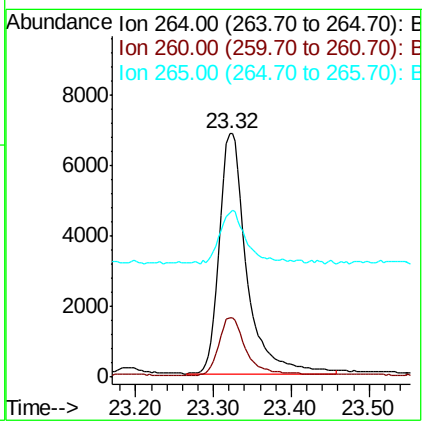


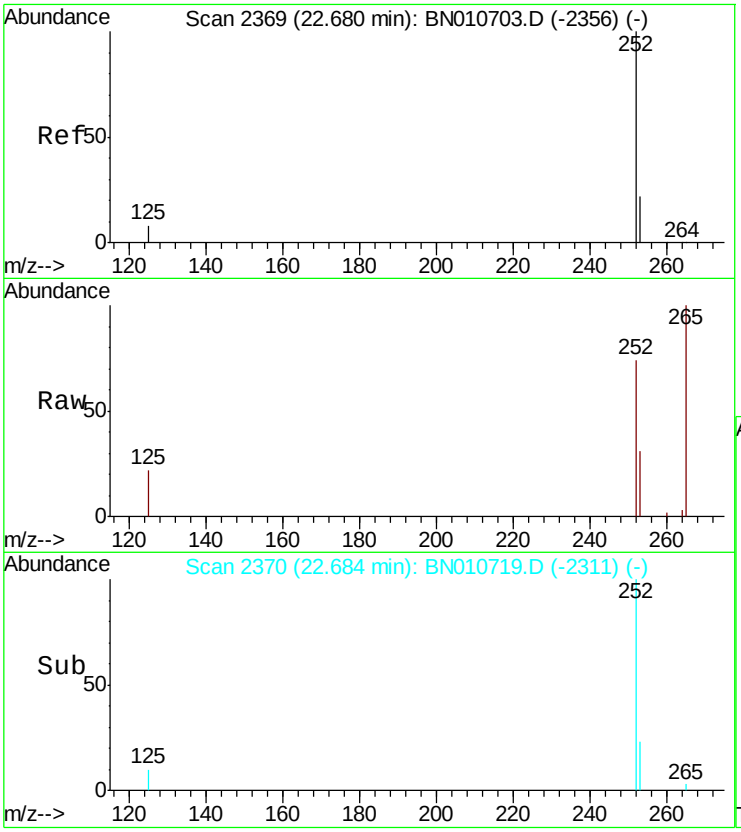


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.32 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:264 Resp: 16537

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	67.7	70.1	105.1#



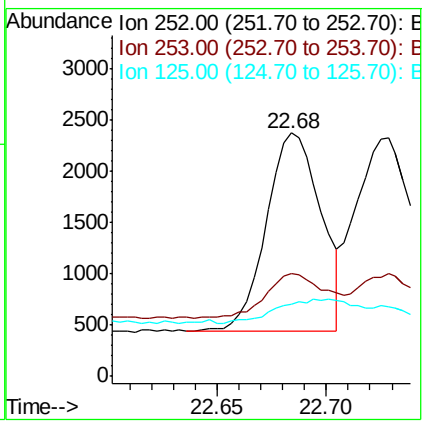


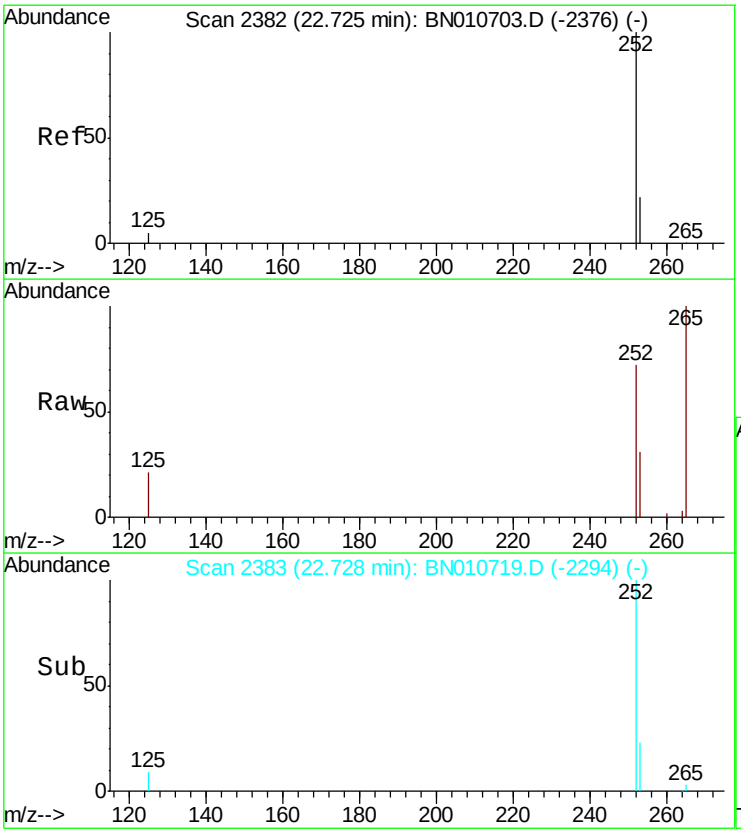
#35
Benzo(b)fluoranthene
Concen: 0.062 ng
RT: 22.68 min Scan# 2370
Delta R.T. 0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:252 Resp: 3385

Ion	Ratio	Lower	Upper
252	100		
253	42.1	22.0	33.0#
125	29.9	10.8	16.2#

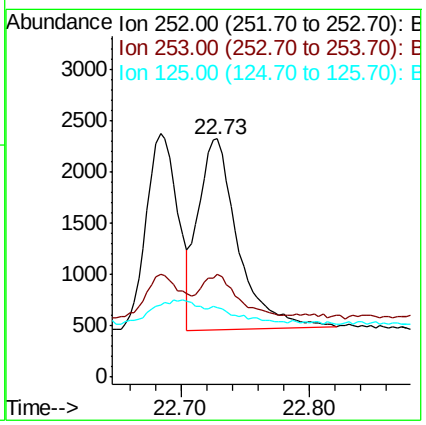


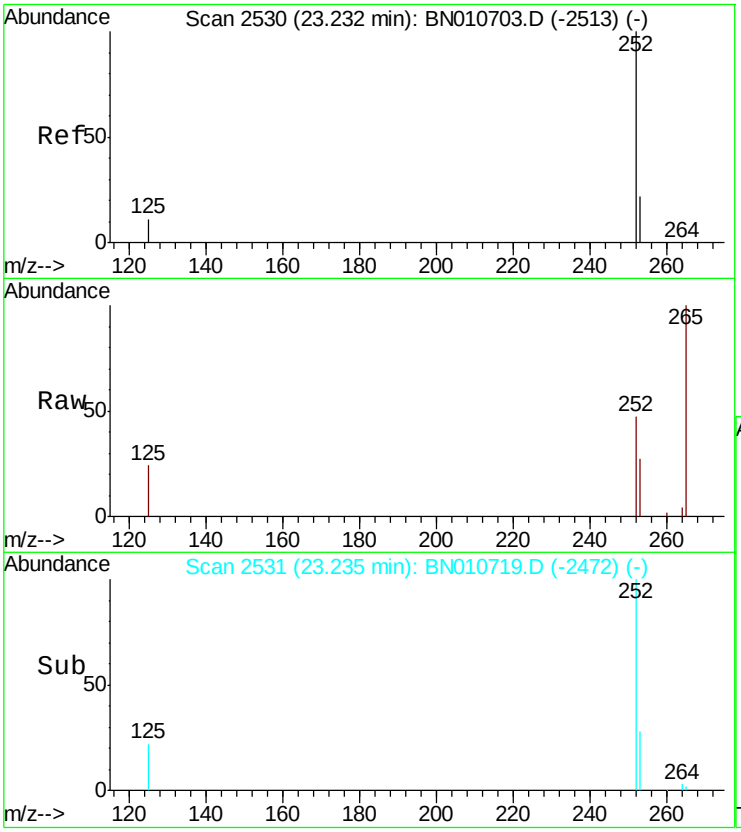


#36
Benzo(k)fluoranthene
Concen: 0.068 ng
RT: 22.73 min Scan# 2383
Delta R.T. 0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:252 Resp: 3989

Ion	Ratio	Lower	Upper
252	100		
253	42.9	21.9	32.9#
125	29.3	11.1	16.7#



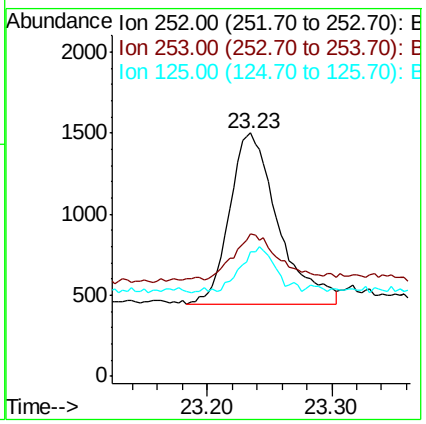


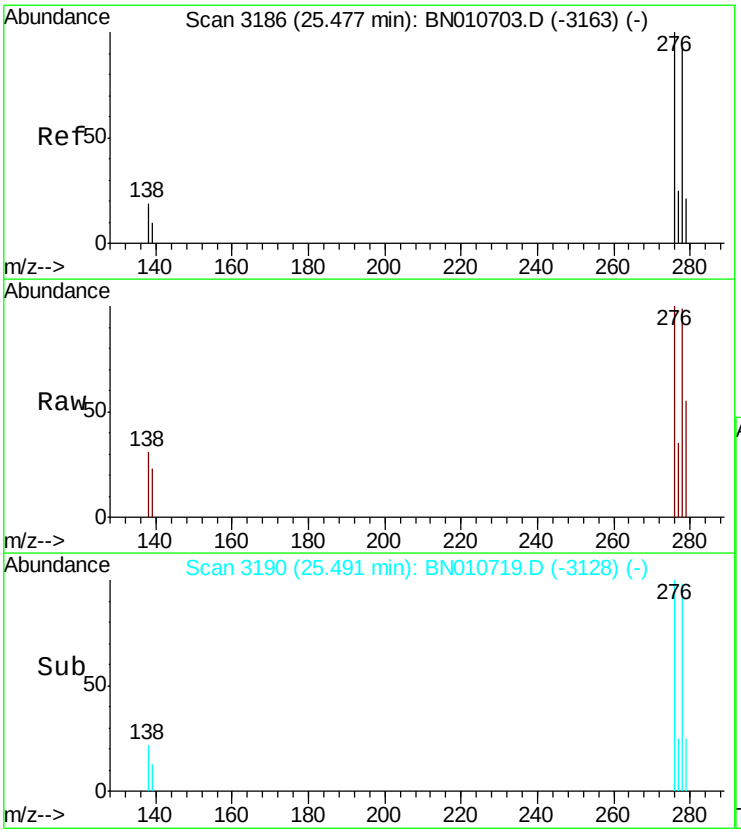
#37
Benzo(a)pyrene
Concen: 0.060 ng
RT: 23.23 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:252 Resp: 2860

Ion	Ratio	Lower	Upper
252	100		
253	58.3	24.8	37.2#
125	51.4	15.8	23.6#

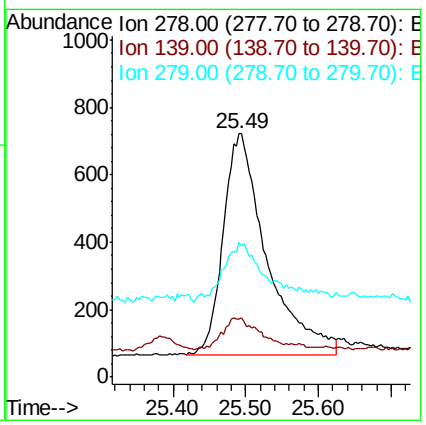


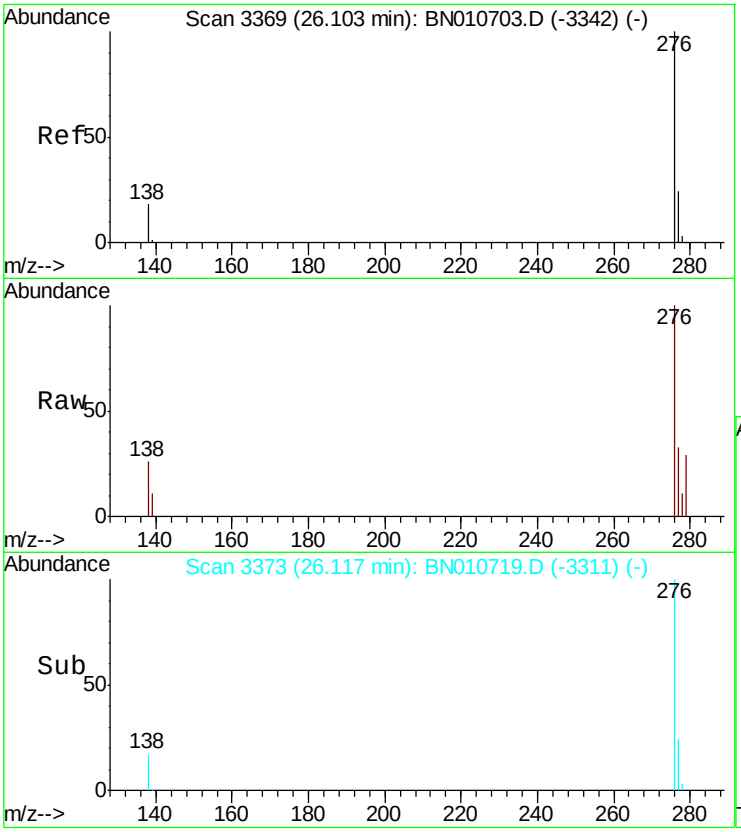


#38
Dibenzo(a,h)anthracene
Concen: 0.067 ng
RT: 25.49 min Scan# 3190
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Tgt Ion:278 Resp: 2712

Ion	Ratio	Lower	Upper
278	100		
139	23.5	13.0	19.4#
279	55.1	25.1	37.7#





#39
Benzo(g,h,i)perylene
Concen: 0.068 ng
RT: 26.12 min Scan# 3373
Delta R.T. 0.01 min
Lab File: BN010719.D
Acq: 14 May 2020 19:20

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2020

Tgt Ion:276 Resp: 3245

Ion	Ratio	Lower	Upper
276	100		
277	32.9	20.6	30.8#
138	26.1	16.0	24.0#