Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031920\
Data File : BN010301.D
Acq On : 19 Mar 2020 22:51
Operator : CG/JU
Sample : L1161-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : LOQ-WATER-02-QT1-2020

Quant Time: Mar 20 01:25:37 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	3956	0.40	ng		0.00
7) Naphthalene-d8	10.38	136	13735	0.40	ng		0.00
13) Acenaphthene-d10	14.24	164	8235	0.40	ng		-0.01
19) Phenanthrene-d10	16.99	188	19597	0.40	ng		0.00
27) Chrysene-d12	21.19	240	21042	0.40	ng		0.00
34) Perylene-d12	23.36	264	22359	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.25	112	2888	0.37	ng		0.00
5) Phenol-d6	6.80	99	3622	0.37	ng		0.00
8) Nitrobenzene-d5	8.74	82	3193	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	11.97	152	7433	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.73	330	971	0.31	ng		0.00
15) 2-Fluorobiphenyl	12.86	172	12158	0.39	ng		0.00
25) Fluoranthene-d10	19.02	212	19847	0.34	ng		0.00
29) Terphenyl-d14	19.63	244	17383	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	316	0.085	ng	#	87
3) n-Nitrosodimethylamine	3.58	42	217	0.069	ng	#	83
6) bis(2-Chloroethyl)ether	7.06	93	823	0.088	ng		98
9) Naphthalene	10.43	128	2968	0.087	ng	#	93
10) Hexachlorobutadiene	10.73	225	703	0.085	ng	#	98
12) 2-Methylnaphthalene	12.05	142	2016	0.085	ng		95
16) Acenaphthylene	13.96	152	2459	0.076	ng		99
17) Acenaphthene	14.30	154	1823	0.079	ng		96
18) Fluorene	15.29	166	2403	0.079	ng		98
20) 4-Bromophenyl-phenylether	16.19	248	899	0.076	ng		97
21) Hexachlorobenzene	16.31	284	1004	0.082	ng		98
22) Pentachlorophenol	16.65	266	674	0.161	ng		96
23) Phenanthrene	17.03	178	4369	0.081	ng		99
24) Anthracene	17.11	178	3558	0.077	ng		99
26) Fluoranthene	19.05	202	5284	0.080	ng		100
28) Pyrene	19.41	202	5196	0.079	ng		99
30) Benzo(a)anthracene	21.16	228	5412	0.081	ng		98
31) Chrysene	21.22	228	6043	0.084	ng		98
32) Bis(2-ethylhexyl)phthalate	21.13	149	1768	0.078	ng	#	97
33) Indeno(1,2,3-cd)pyrene	25.51	276	6882	0.089	ng		97
35) Benzo(b)fluoranthene	22.71	252	5547	0.073	ng	#	83
36) Benzo(k)fluoranthene	22.76	252	6338	0.082	ng	#	74
37) Benzo(a)pyrene	23.26	252	4467	0.070	ng	#	75
38) Dibenzo(a,h)anthracene	25.52	278	5689	0.082	ng	#	85
39) Benzo(g,h,i)perylene	26.15	276	5497	0.079	ng	#	92

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

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Instrument :
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LOQ-WATER-02-QT1-2020

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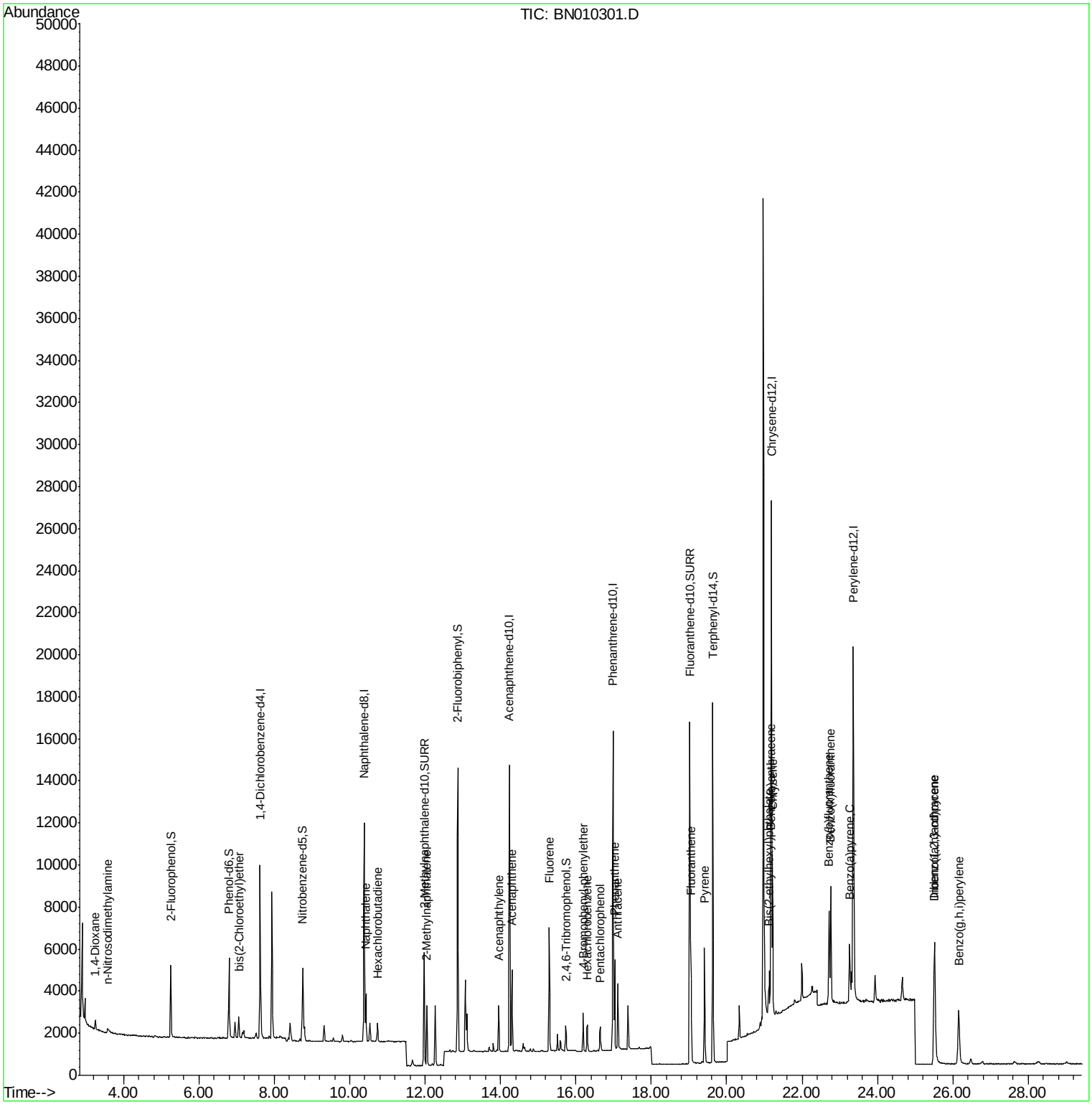
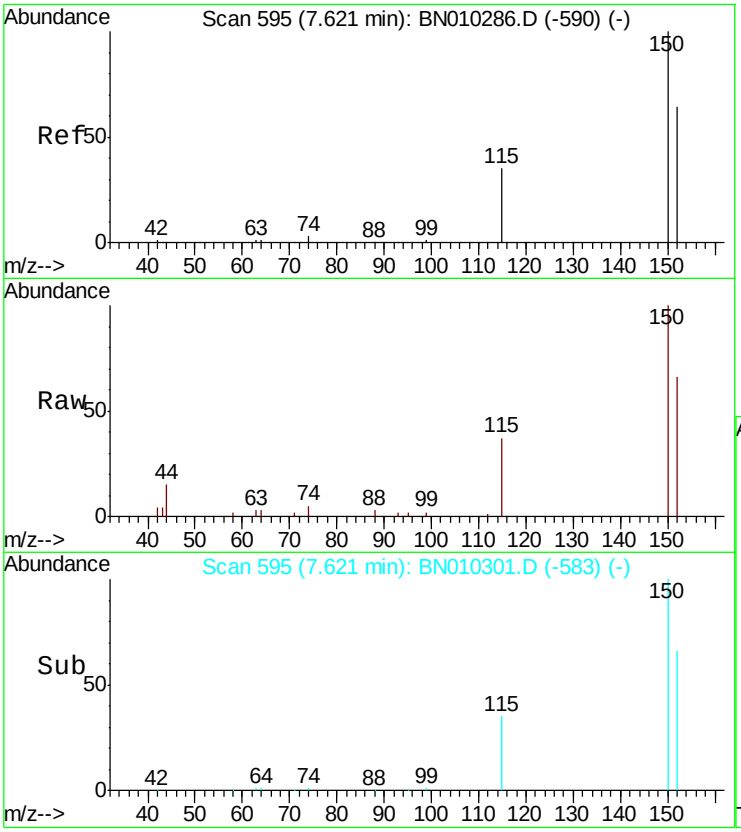
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 15:26:45 2020
Response via : Initial Calibration



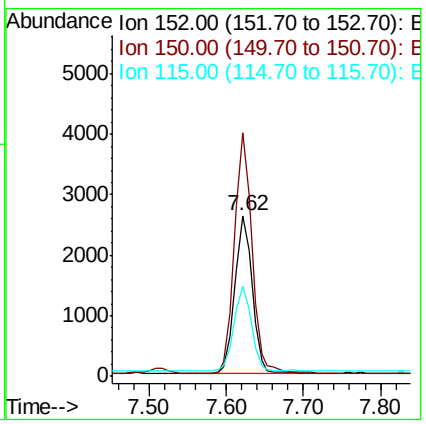


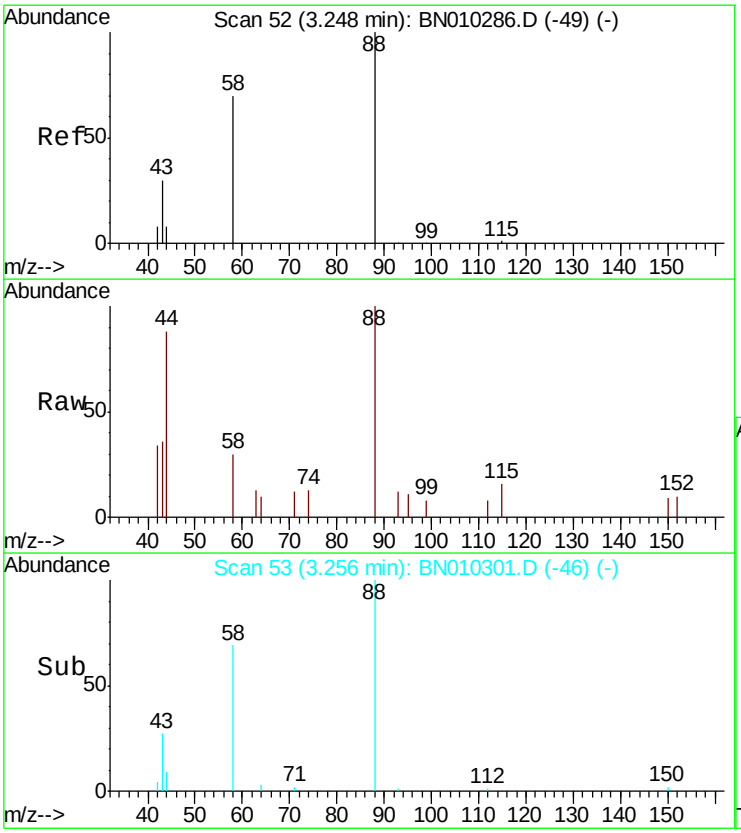
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 595
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:152 Resp: 3956

Ion	Ratio	Lower	Upper
152	100		
150	151.8	123.1	184.7
115	56.1	45.2	67.8

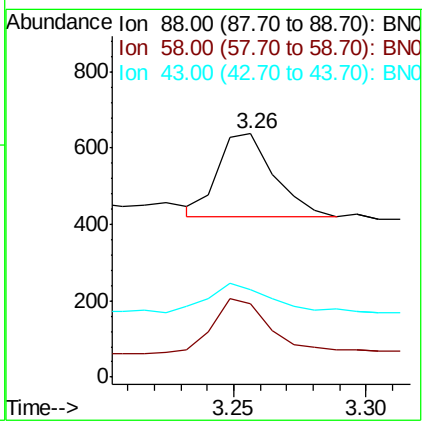


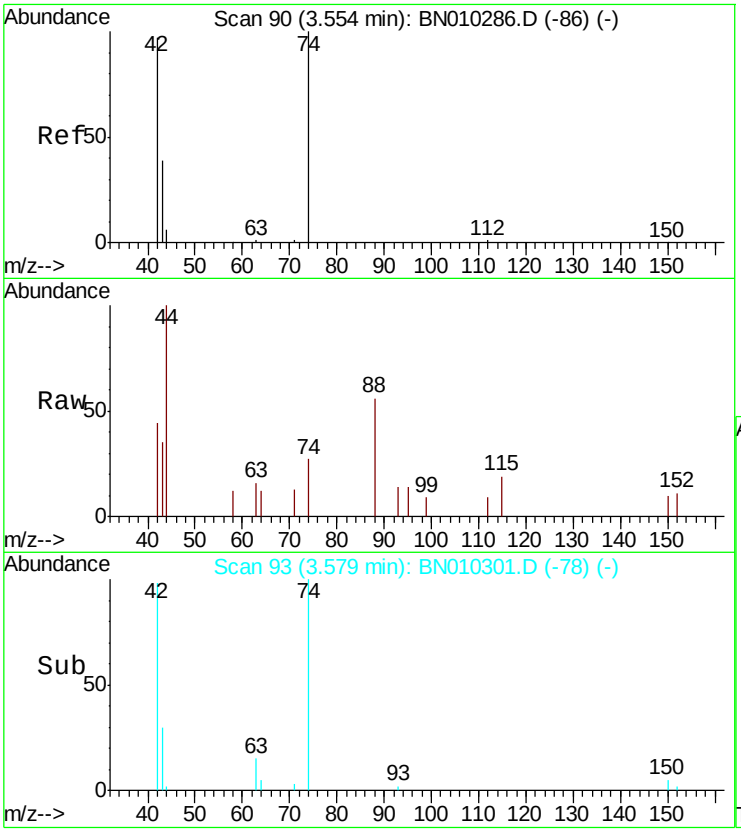


#2
1,4-Dioxane
Concen: 0.085 ng
RT: 3.26 min Scan# 53
Delta R.T. 0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion: 88 Resp: 316

Ion	Ratio	Lower	Upper
88	100		
58	70.9	51.7	77.5
43	38.6	21.2	31.8#



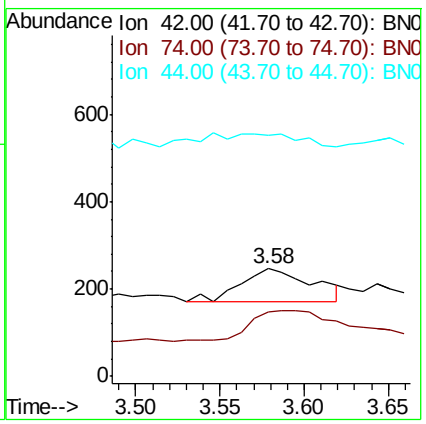


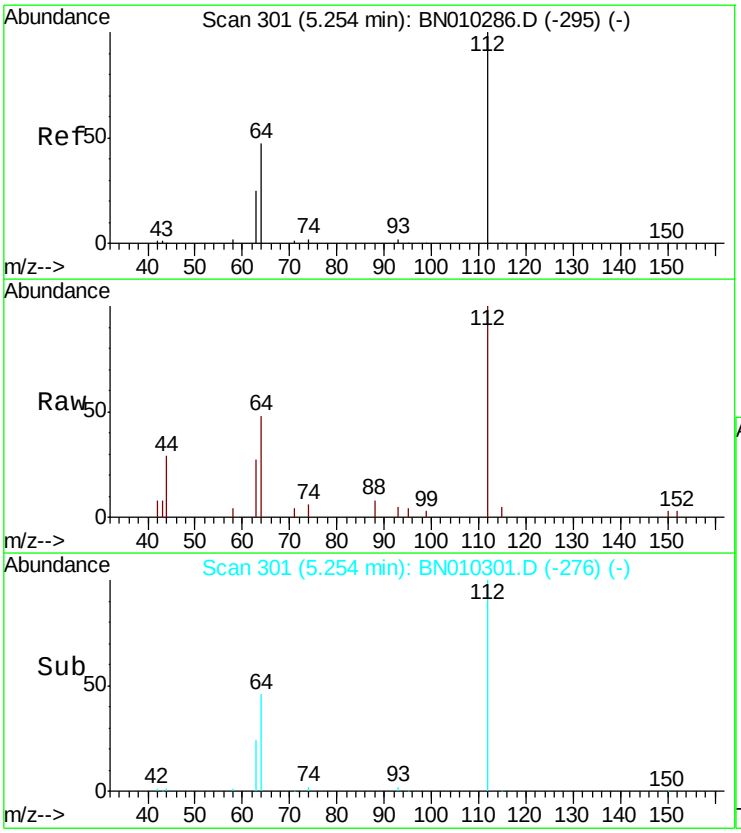
#3
n-Nitrosodimethylamine
Concen: 0.069 ng
RT: 3.58 min Scan# 93
Delta R.T. 0.02 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion: 42 Resp: 217

Ion	Ratio	Lower	Upper
42	100		
74	104.6	99.4	149.0
44	0.0	4.8	7.2#

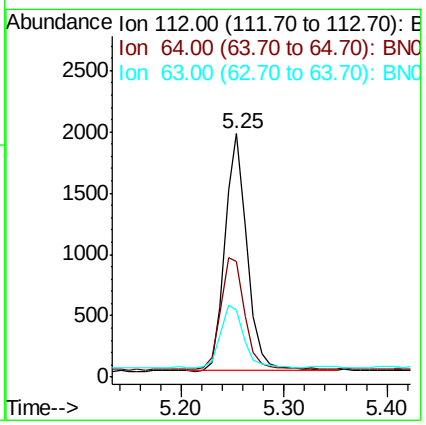


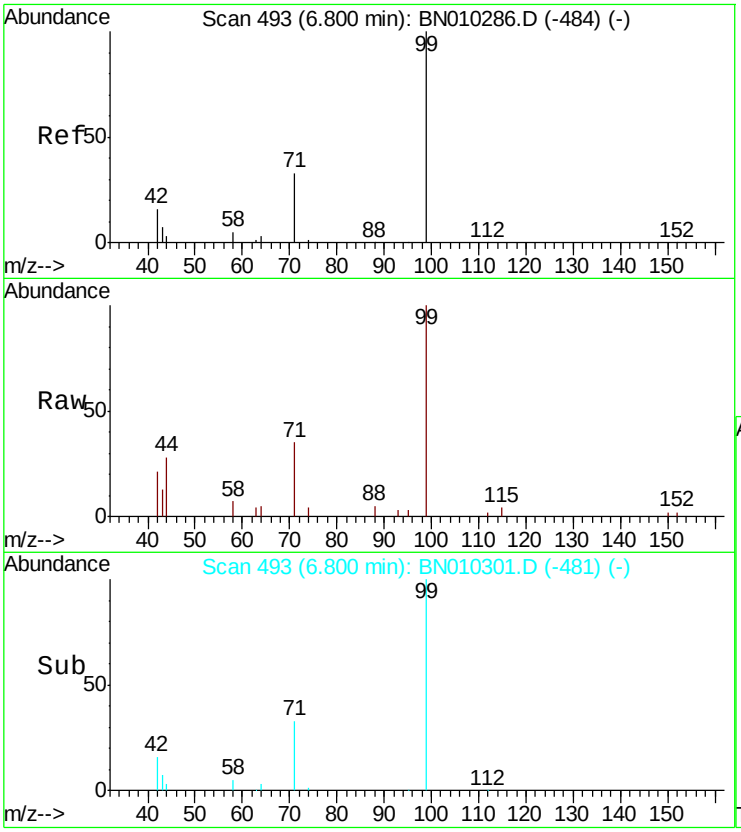


#4
2-Fluorophenol
Concen: 0.369 ng
RT: 5.25 min Scan# 301
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:112 Resp: 2888

Ion	Ratio	Lower	Upper
112	100		
64	51.0	41.4	62.2
63	27.7	22.9	34.3



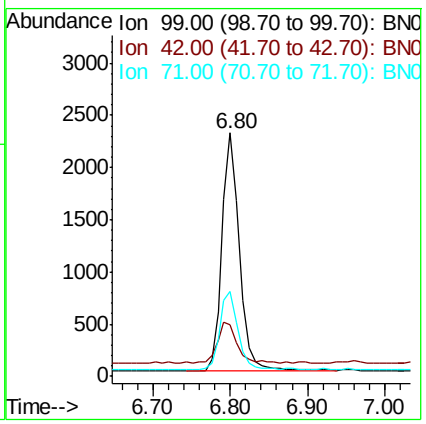


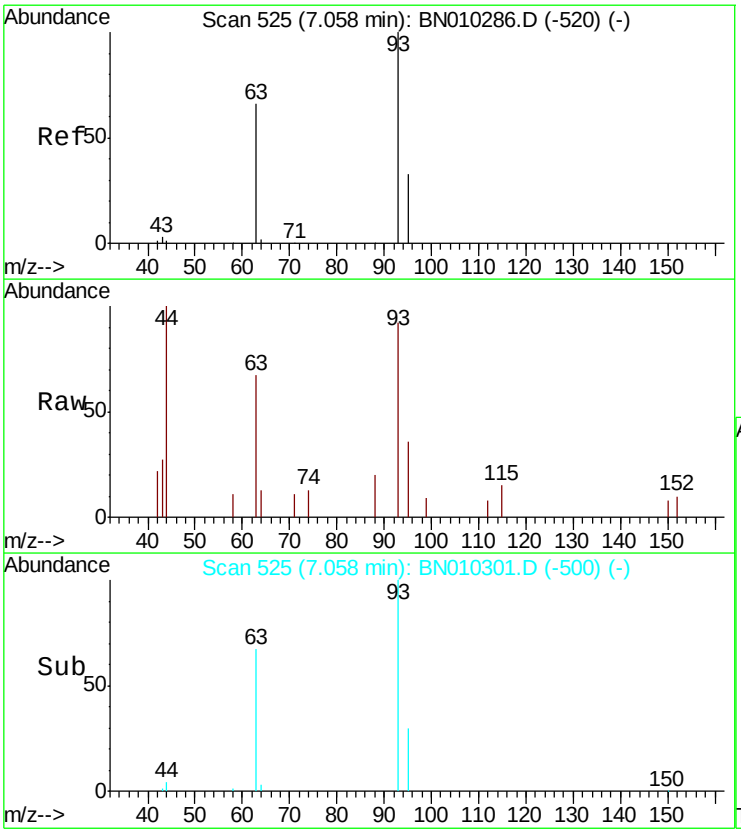
#5
Phenol-d6
Concen: 0.372 ng
RT: 6.80 min Scan# 493
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion: 99 Resp: 3622

Ion	Ratio	Lower	Upper
99	100		
42	20.2	14.8	22.2
71	33.8	27.3	40.9

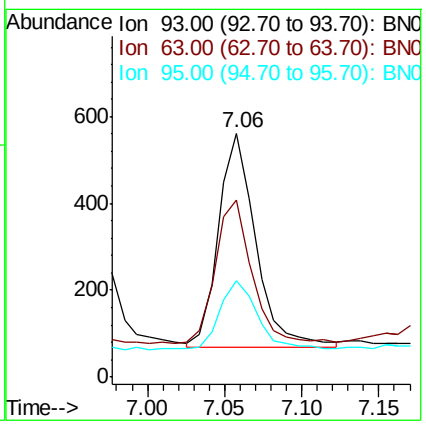


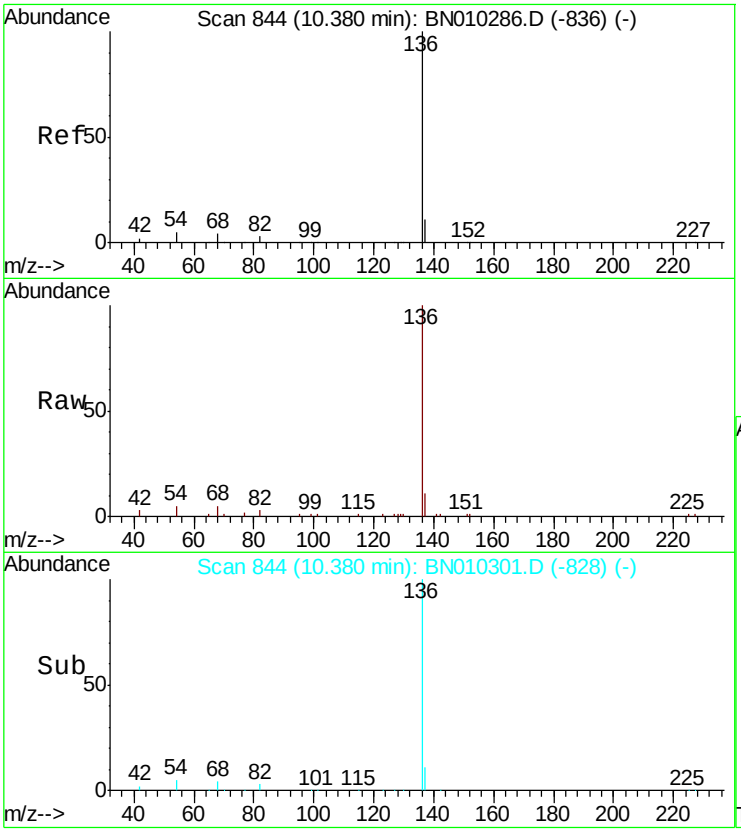


#6
bis(2-Chloroethyl)ether
Concen: 0.088 ng
RT: 7.06 min Scan# 525
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion: 93 Resp: 823

Ion	Ratio	Lower	Upper
93	100		
63	67.3	55.6	83.4
95	32.0	26.2	39.4



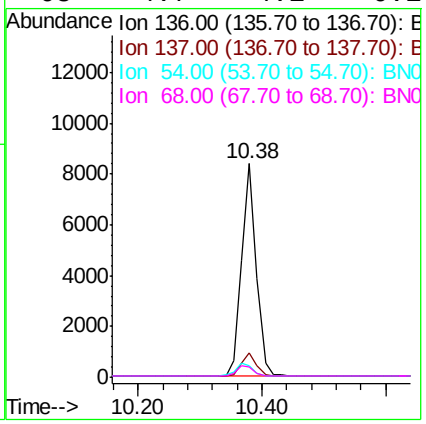


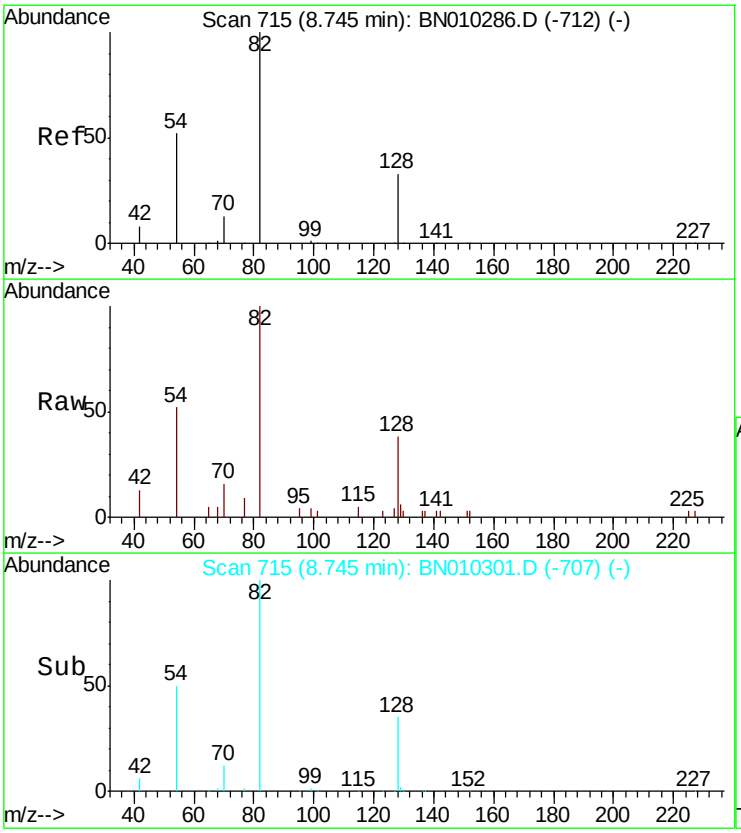
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:136 Resp: 13735

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	5.4	4.8	7.2
68	4.7	4.1	6.1

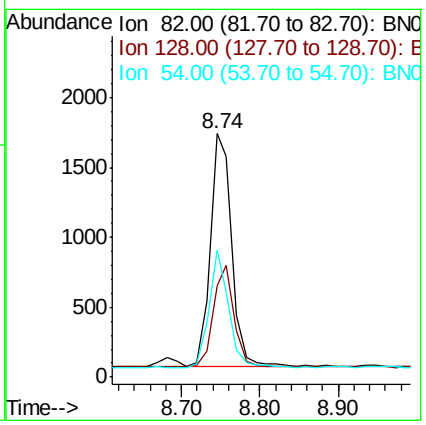


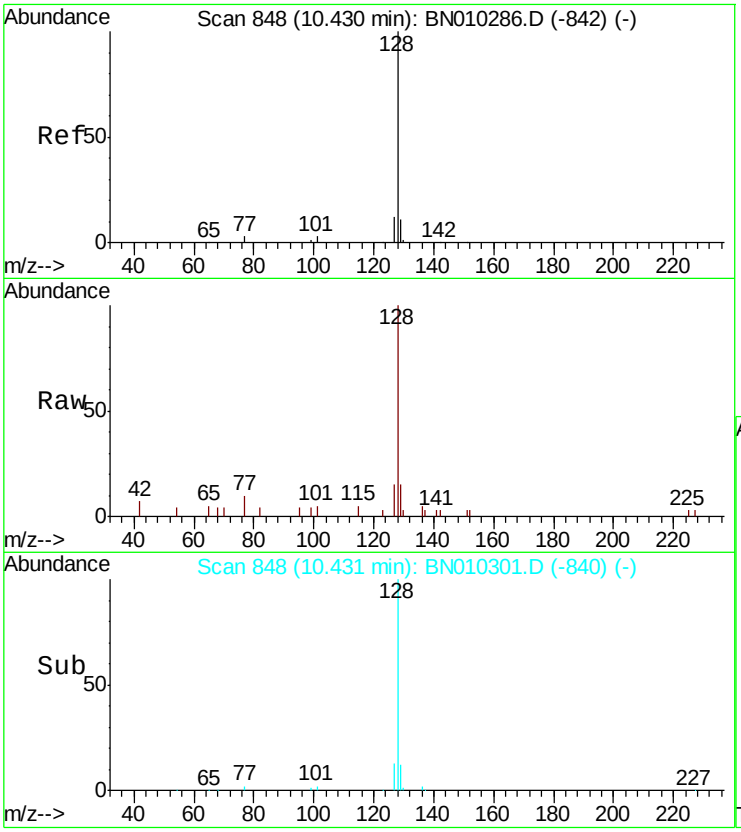


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 8.74 min Scan# 715
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion: 82 Resp: 3193

Ion	Ratio	Lower	Upper
82	100		
128	37.7	28.8	43.2
54	52.1	42.1	63.1



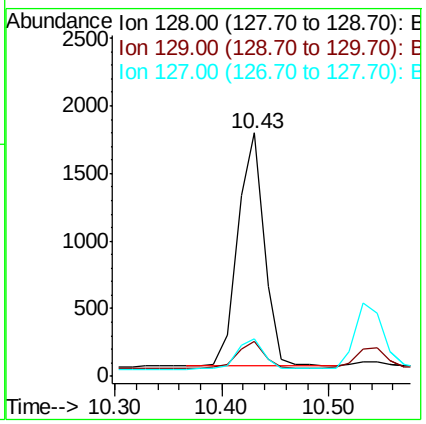


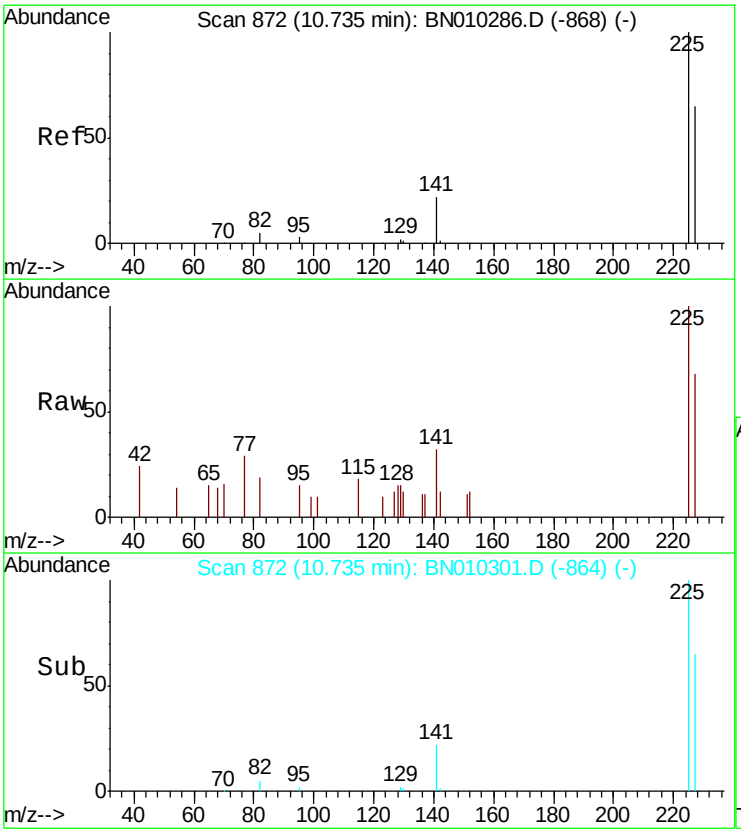
#9
Naphthalene
Concen: 0.087 ng
RT: 10.43 min Scan# 848
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:128 Resp: 2968

Ion	Ratio	Lower	Upper
128	100		
129	14.5	9.1	13.7#
127	15.2	10.4	15.6

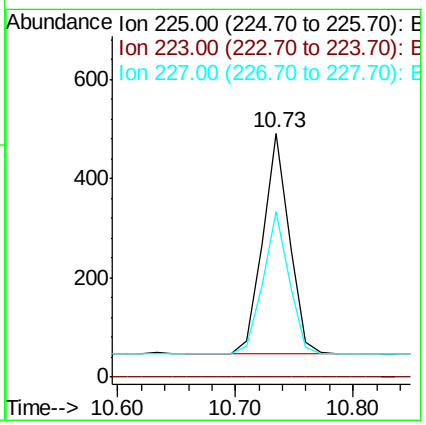


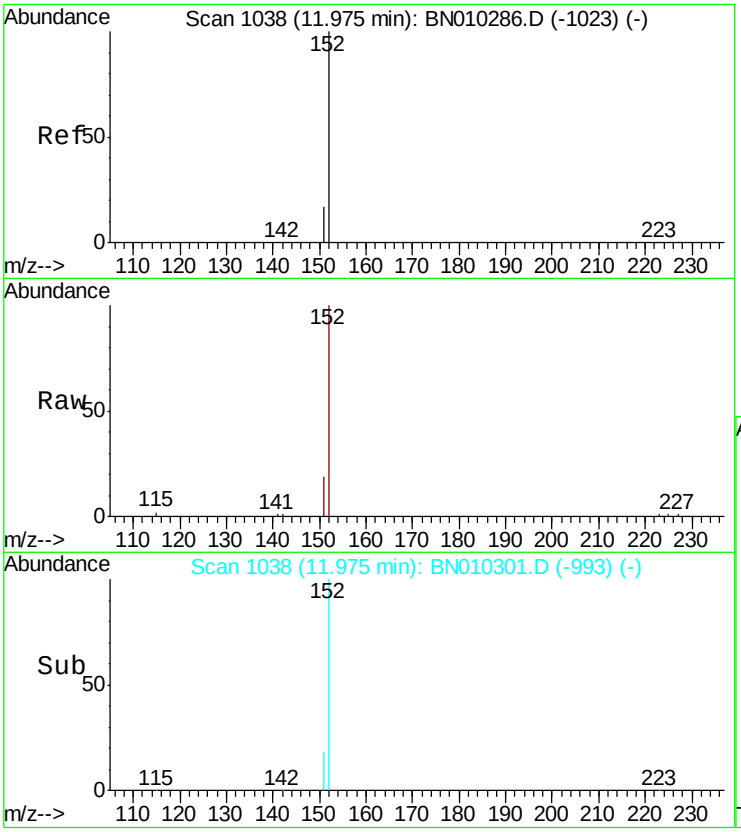


#10
Hexachlorobutadiene
Concen: 0.085 ng
RT: 10.73 min Scan# 872
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:225 Resp: 703

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



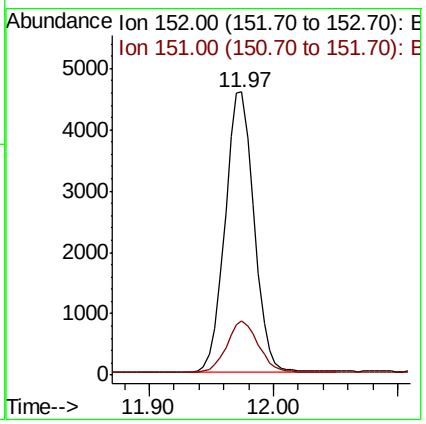


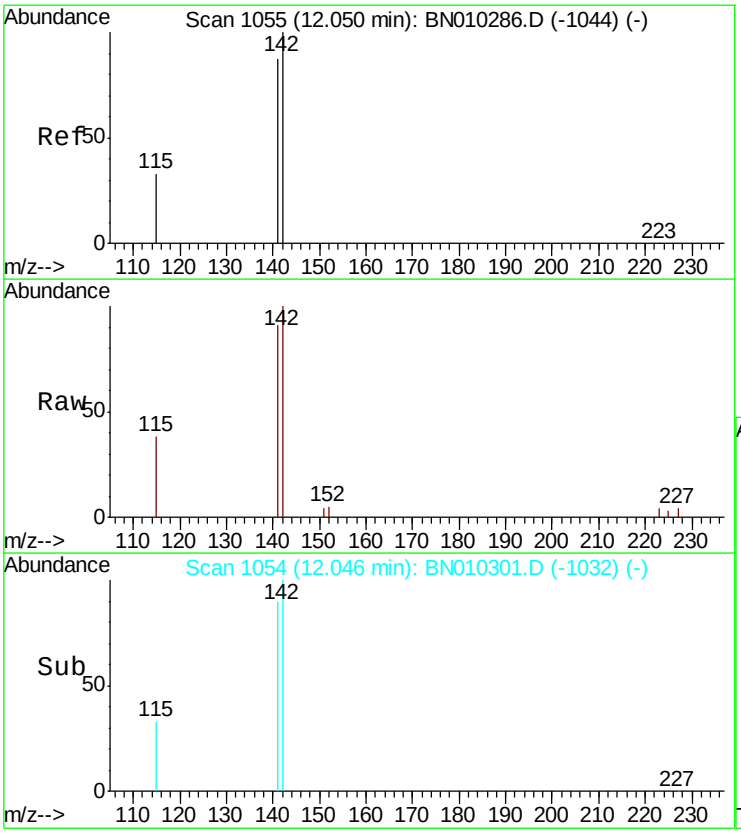
#11
2-Methylnaphthalene-d10
Concen: 0.339 ng
RT: 11.97 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:152 Resp: 7433

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2

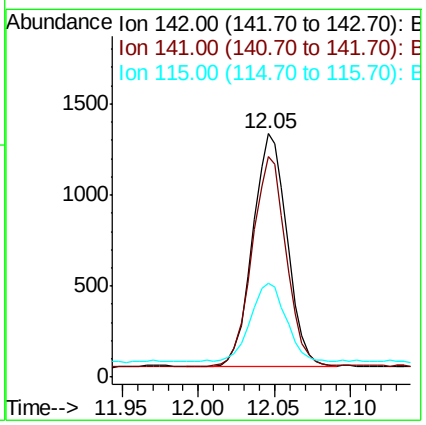


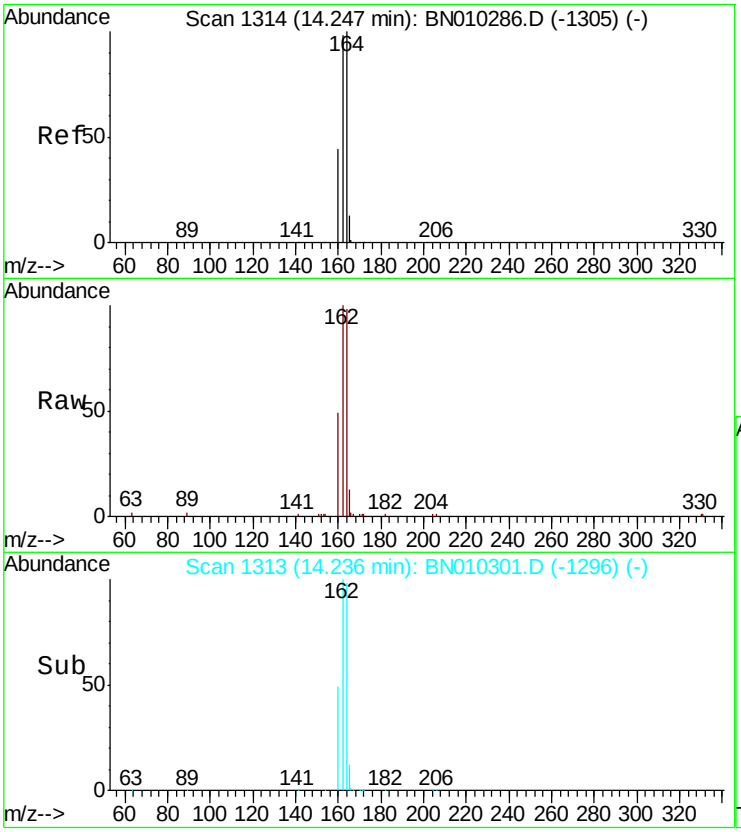


#12
2-Methylnaphthalene
Concen: 0.085 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:142 Resp: 2016

Ion	Ratio	Lower	Upper
142	100		
141	90.8	69.5	104.3
115	38.4	27.5	41.3



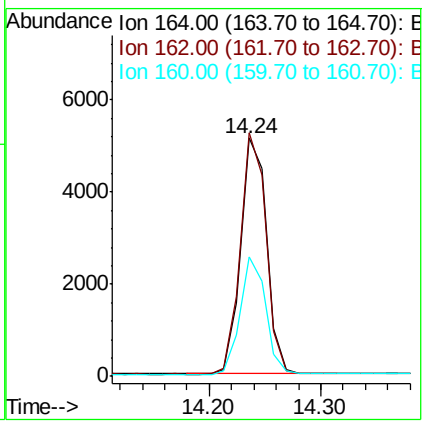


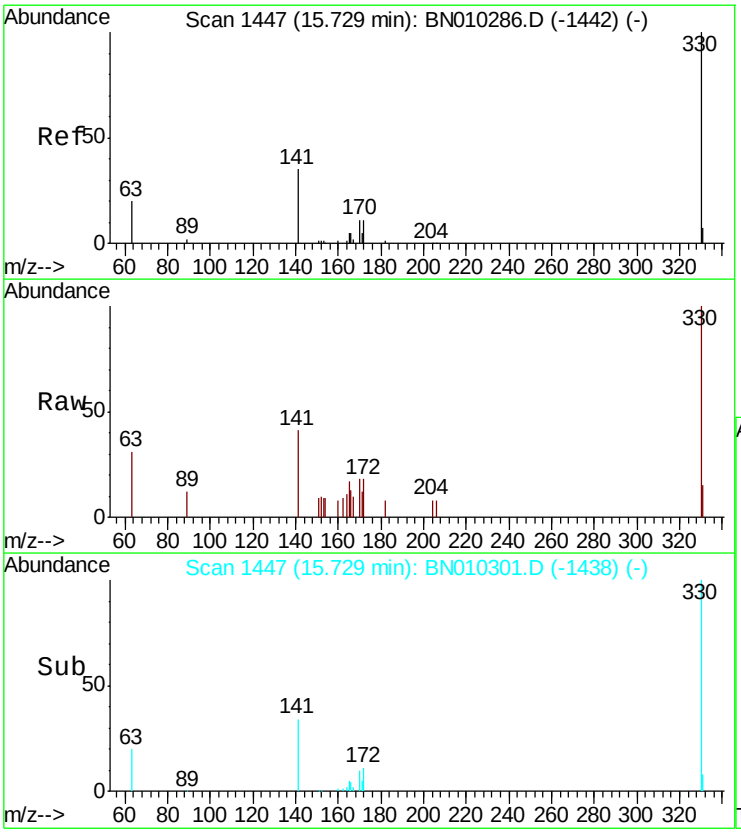
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:164 Resp: 8235

Ion	Ratio	Lower	Upper
164	100		
162	102.3	78.2	117.2
160	50.1	35.8	53.6

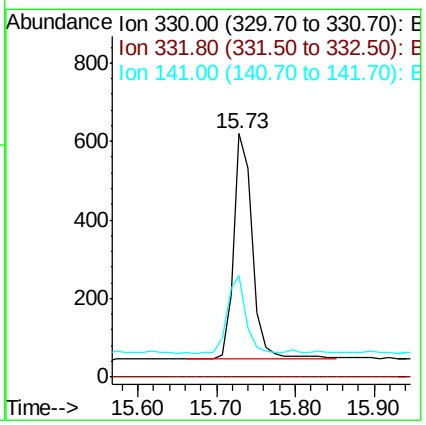


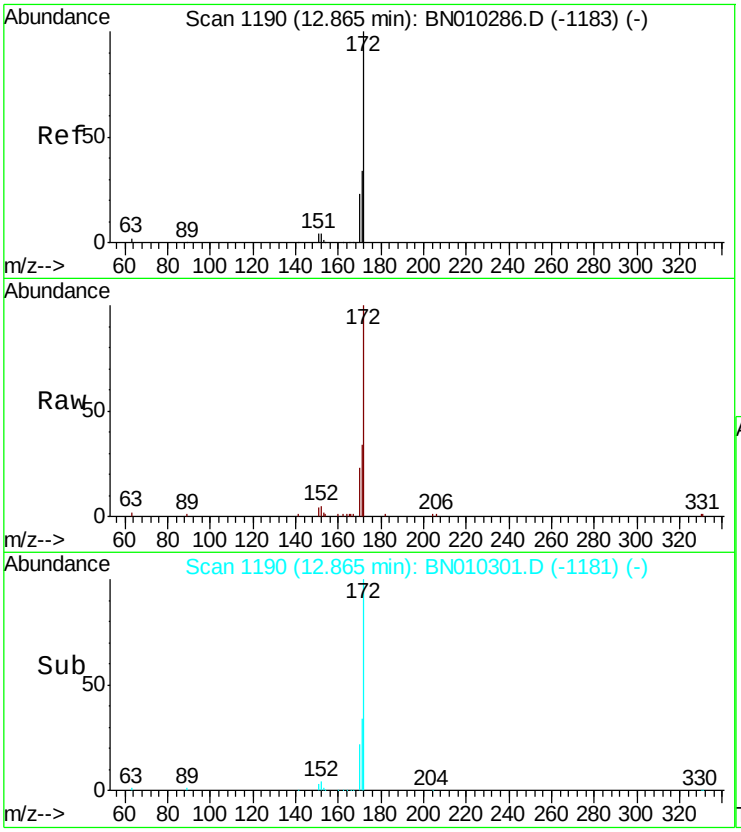


#14
2,4,6-Tribromophenol
Concen: 0.307 ng
RT: 15.73 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:330 Resp: 971

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.6	29.3	43.9



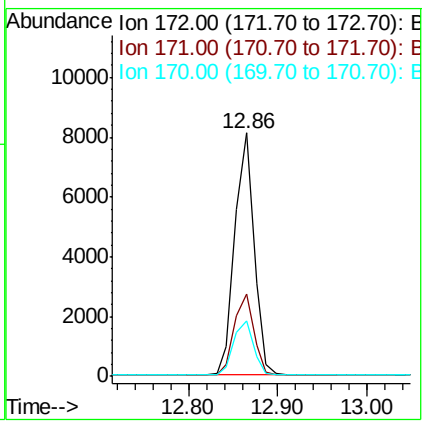


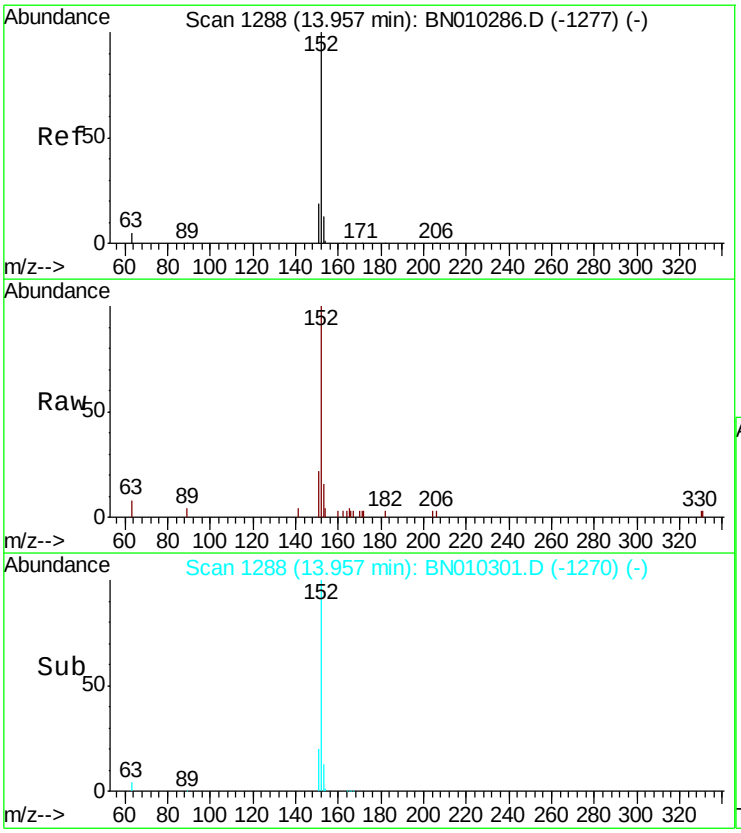
#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 12.86 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:172 Resp: 12158

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.6	41.4
170	22.9	18.5	27.7

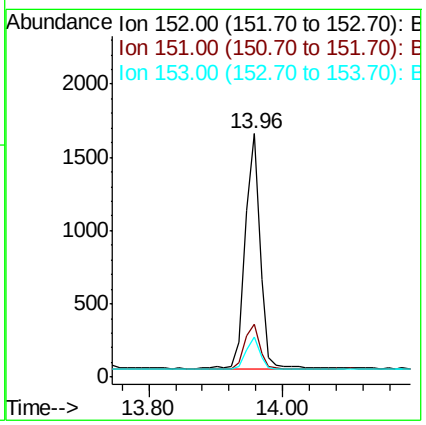


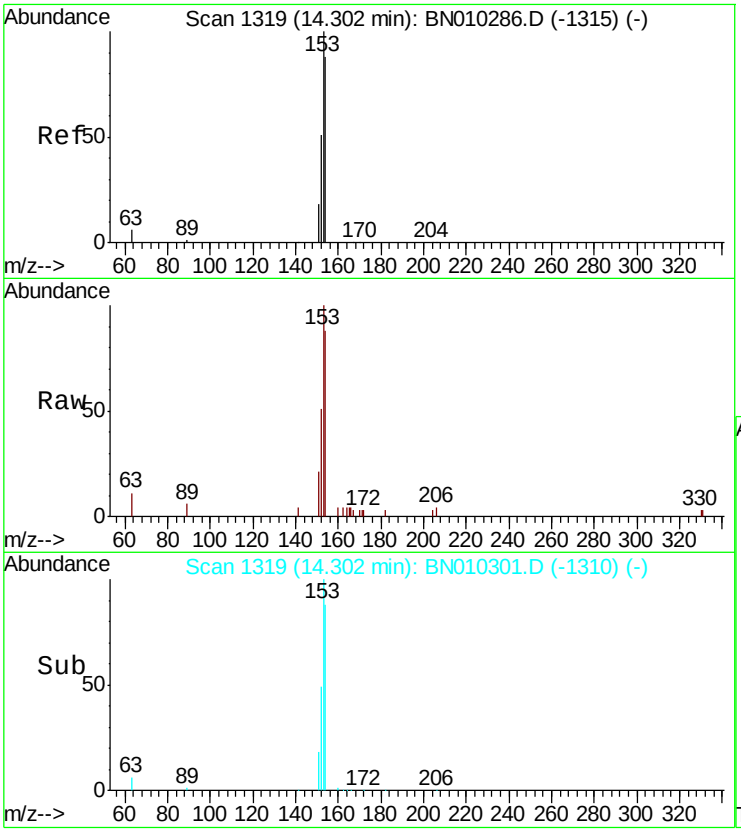


#16
Acenaphthylene
Concen: 0.076 ng
RT: 13.96 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:152 Resp: 2459

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.6	23.4
153	13.3	10.6	15.8



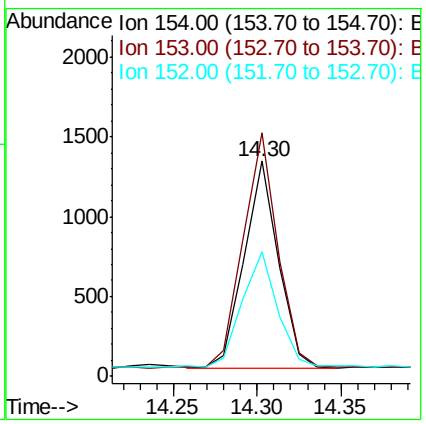


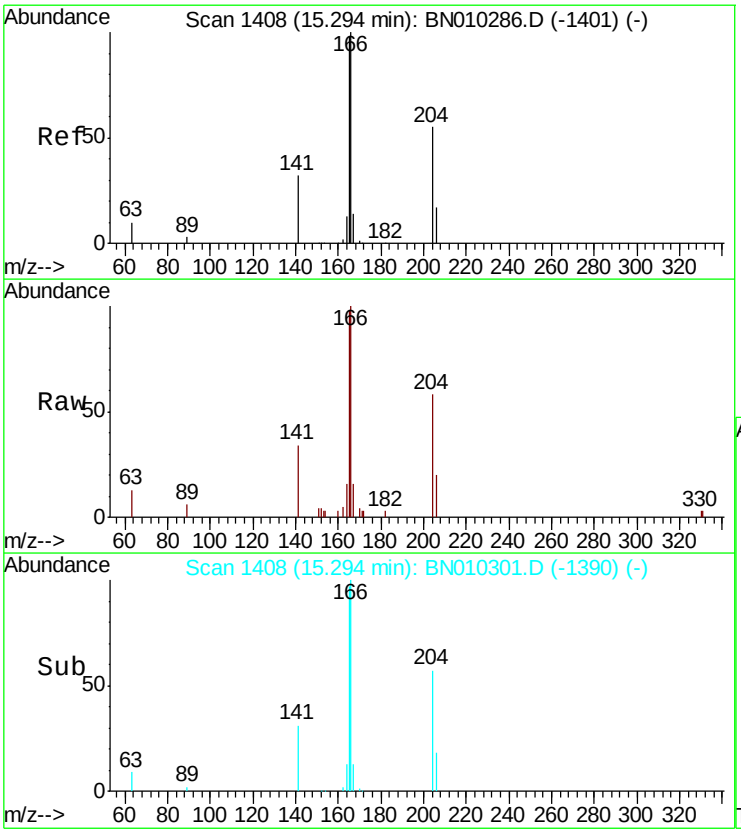
#17
Acenaphthene
Concen: 0.079 ng
RT: 14.30 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:154 Resp: 1823

Ion	Ratio	Lower	Upper
154	100		
153	116.2	88.1	132.1
152	57.9	45.5	68.3

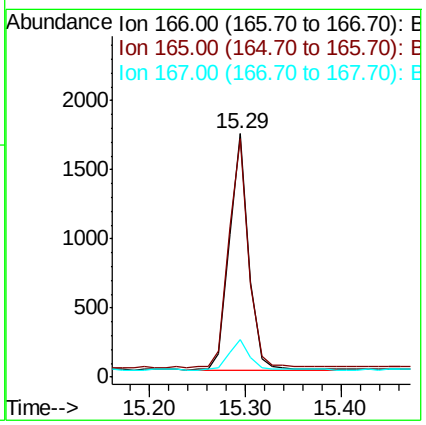


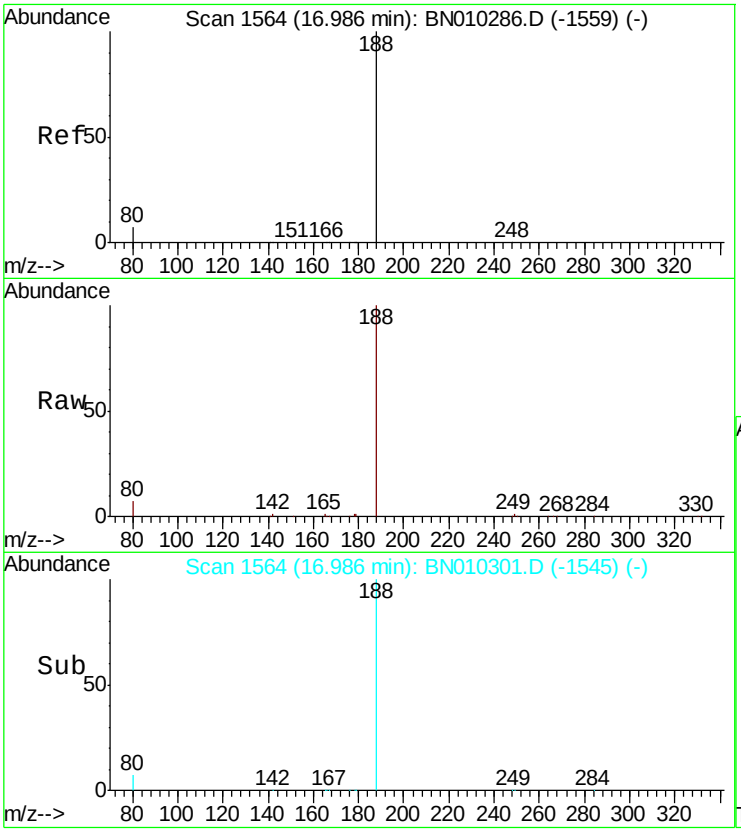


#18
Fluorene
Concen: 0.079 ng
RT: 15.29 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:166 Resp: 2403

Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.7	118.1
167	13.6	11.0	16.4



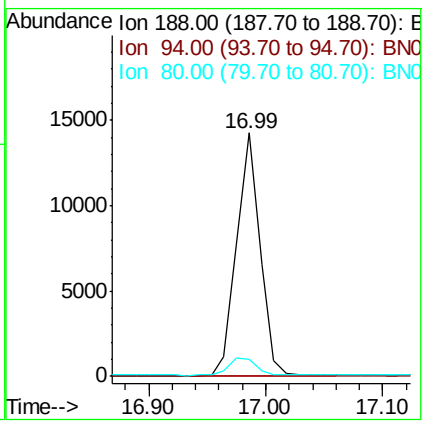


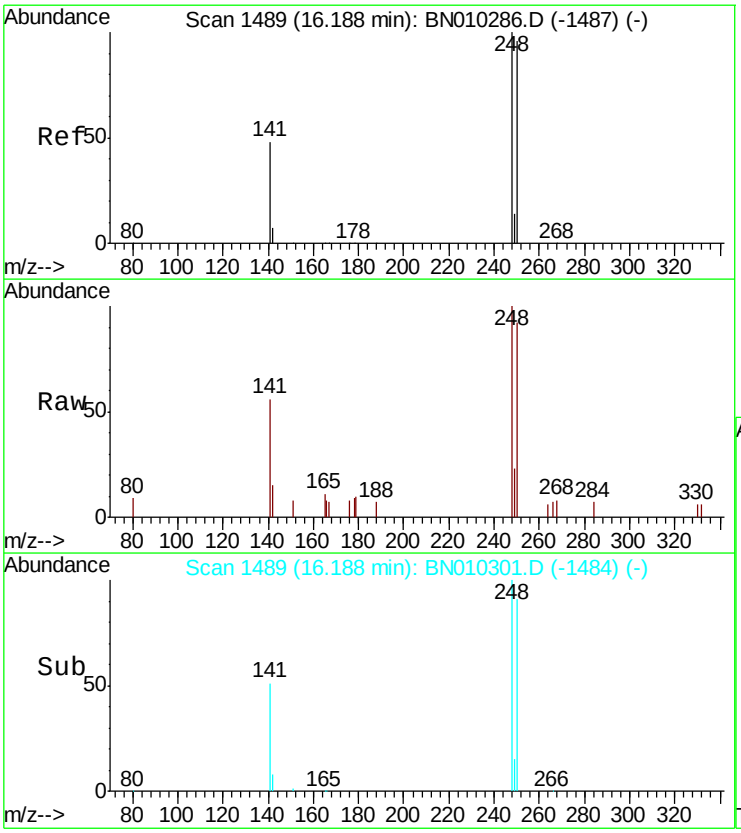
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:188 Resp: 19597

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	6.0	9.0

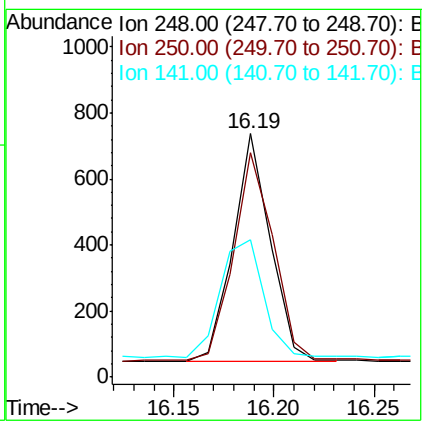


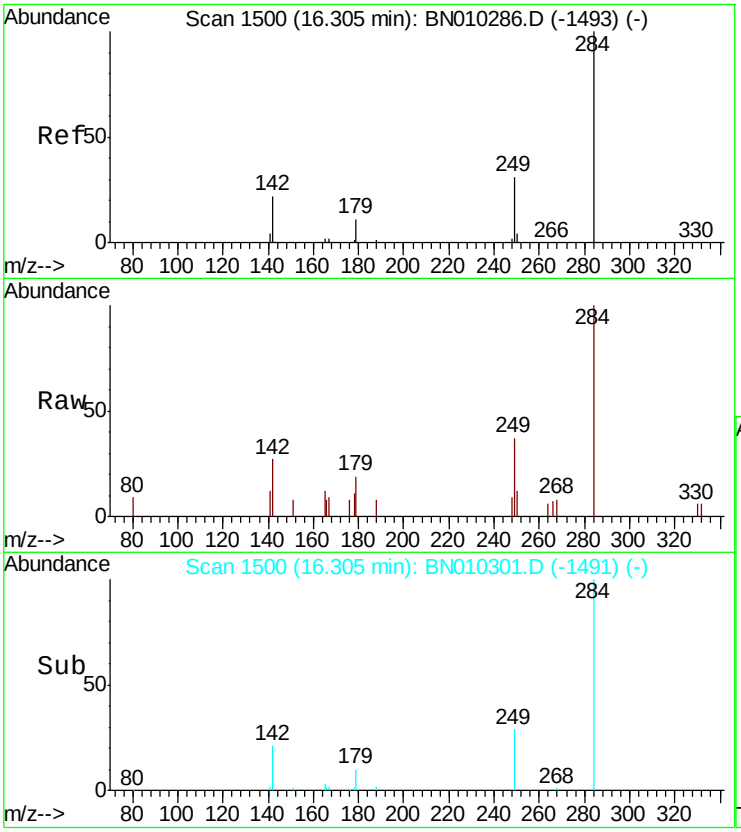


#20
4-Bromophenyl-phenylether
Concen: 0.076 ng
RT: 16.19 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:248 Resp: 899

Ion	Ratio	Lower	Upper
248	100		
250	92.0	76.8	115.2
141	56.3	44.4	66.6



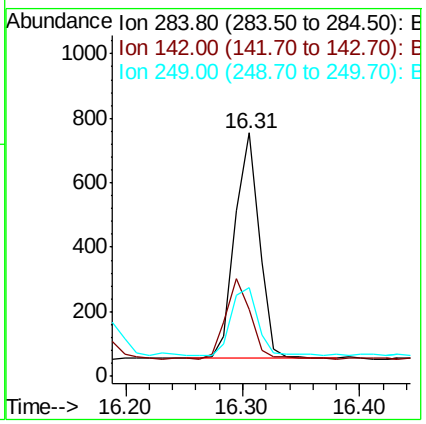


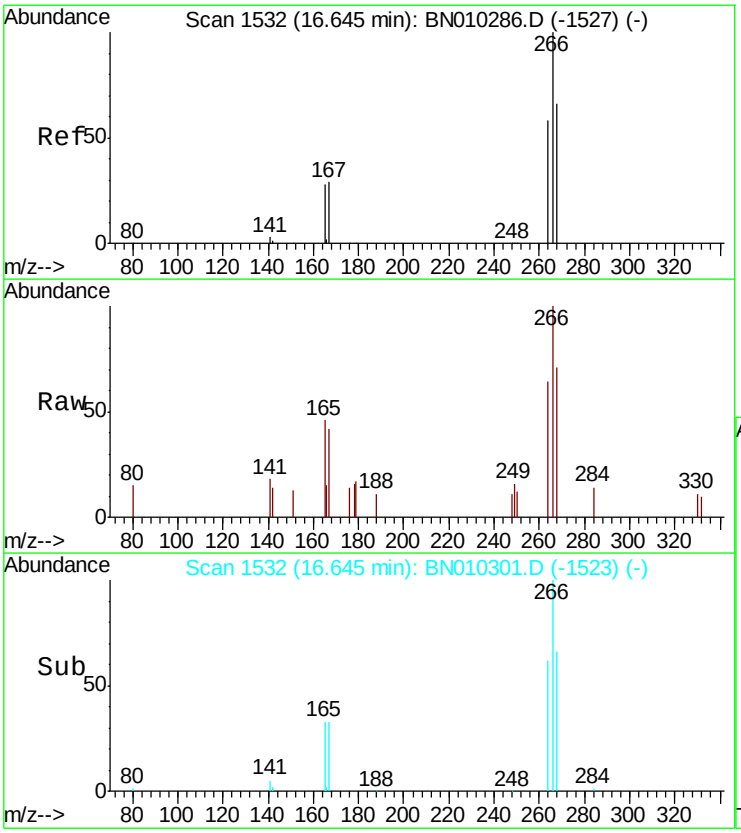
#21
Hexachlorobenzene
Concen: 0.082 ng
RT: 16.31 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:284 Resp: 1004

Ion	Ratio	Lower	Upper
284	100		
142	36.5	27.4	41.2
249	33.5	26.5	39.7

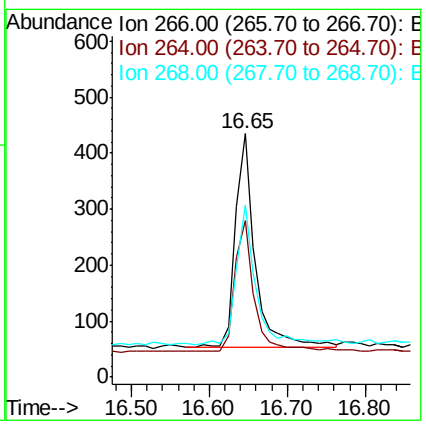


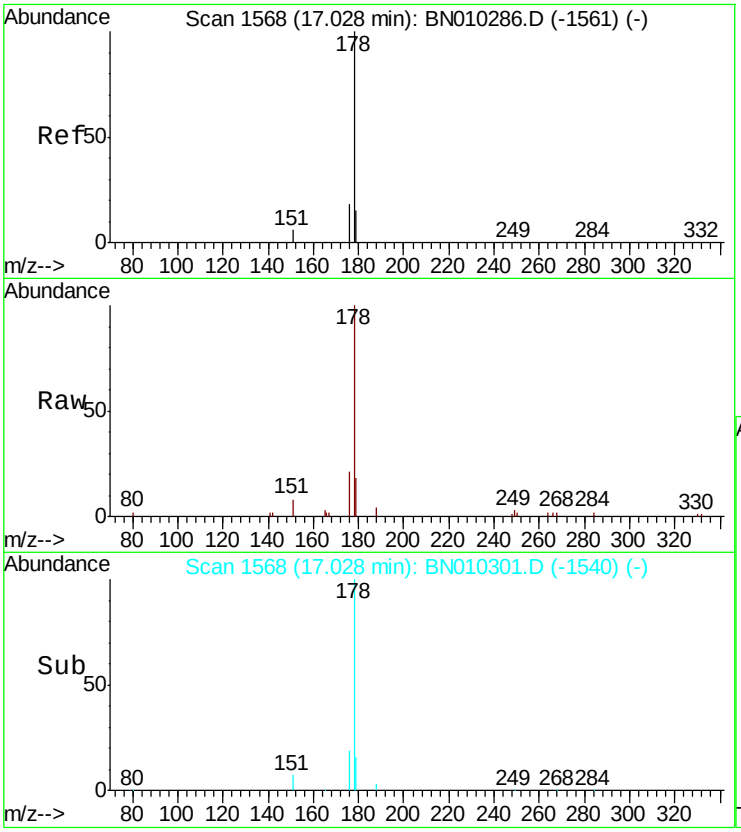


#22
Pentachlorophenol
Concen: 0.161 ng
RT: 16.65 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:266 Resp: 674

Ion	Ratio	Lower	Upper
266	100		
264	64.4	47.7	71.5
268	70.8	54.9	82.3



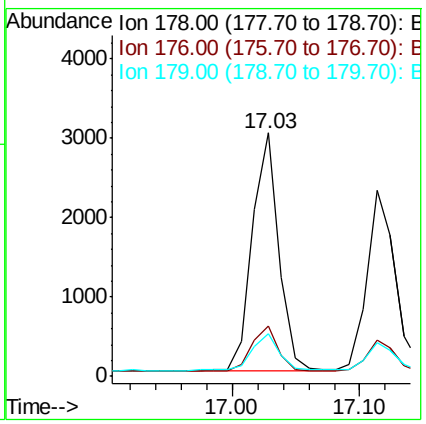


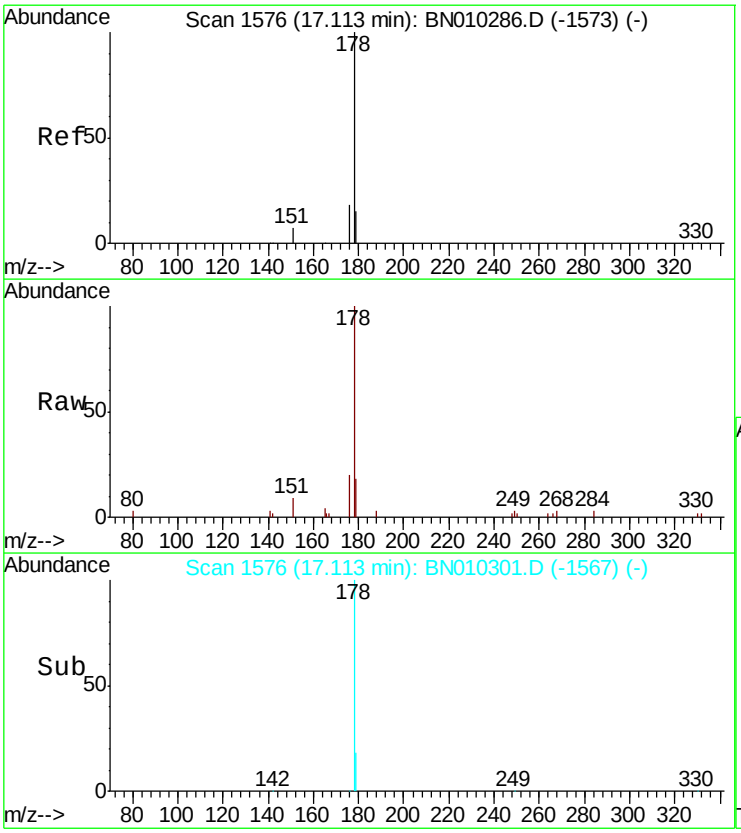
#23
Phenanthrene
Concen: 0.081 ng
RT: 17.03 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:178 Resp: 4369

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	16.1	12.4	18.6

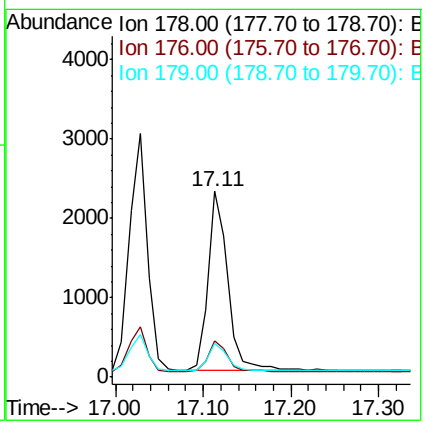


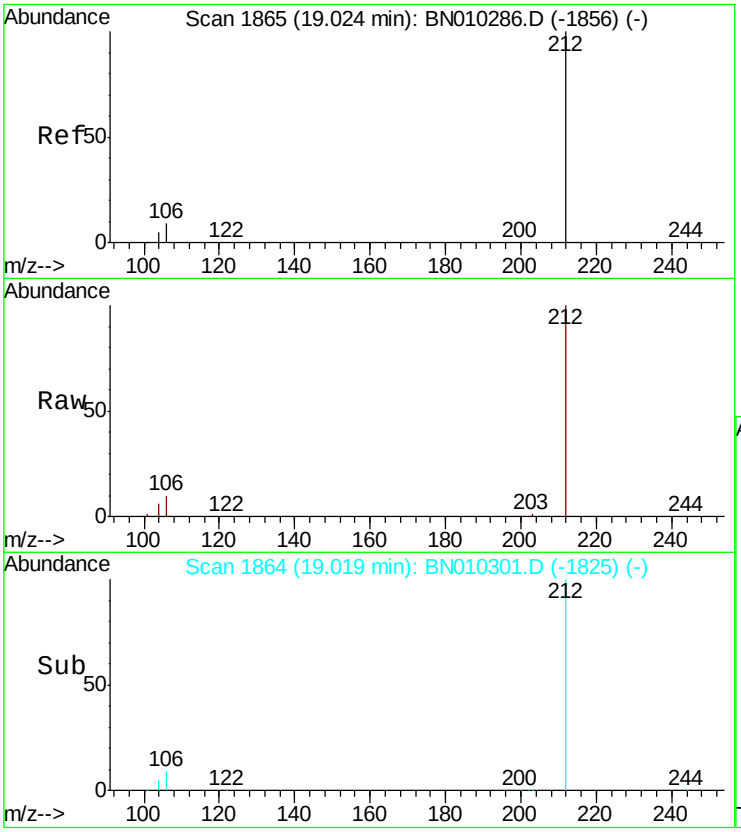


#24
Anthracene
Concen: 0.077 ng
RT: 17.11 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:178 Resp: 3558

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	14.5	12.3	18.5



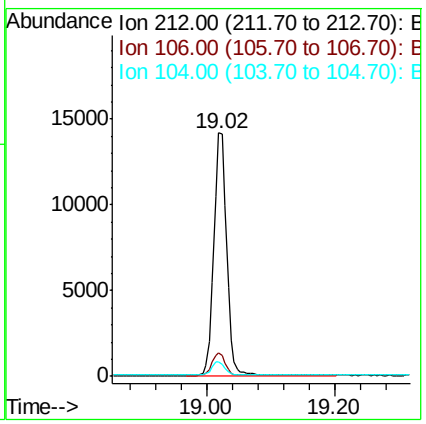


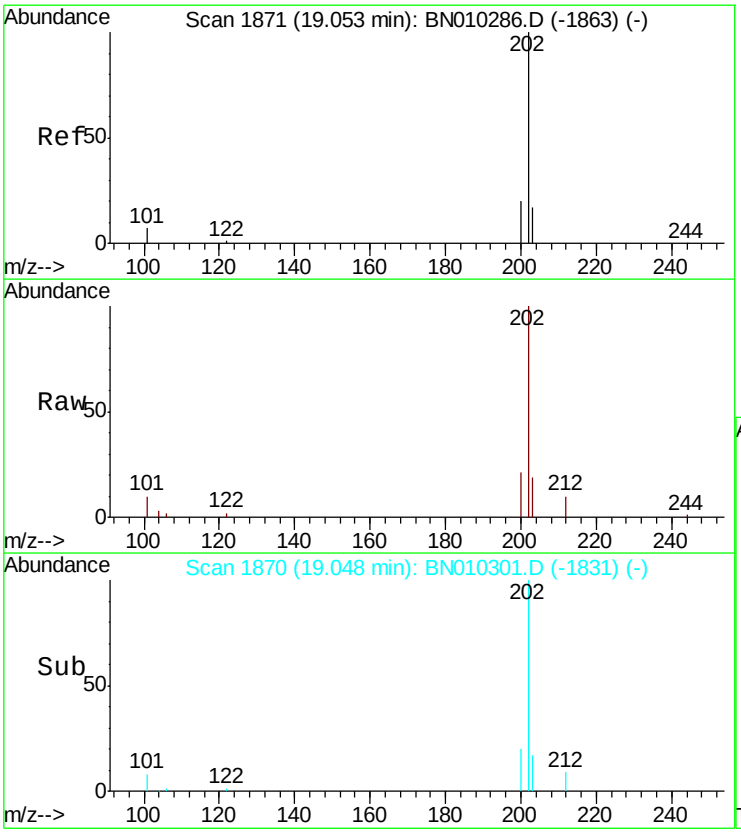
#25
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.02 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:212 Resp: 19847

Ion	Ratio	Lower	Upper
212	100		
106	9.3	7.4	11.2
104	5.3	4.2	6.4

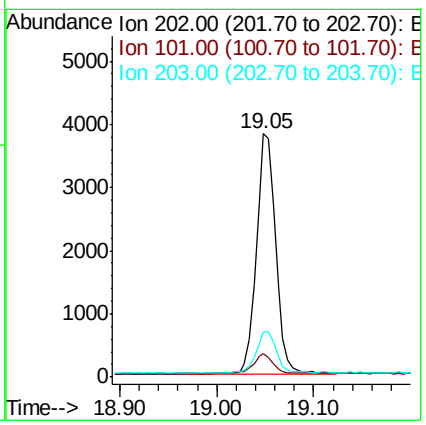


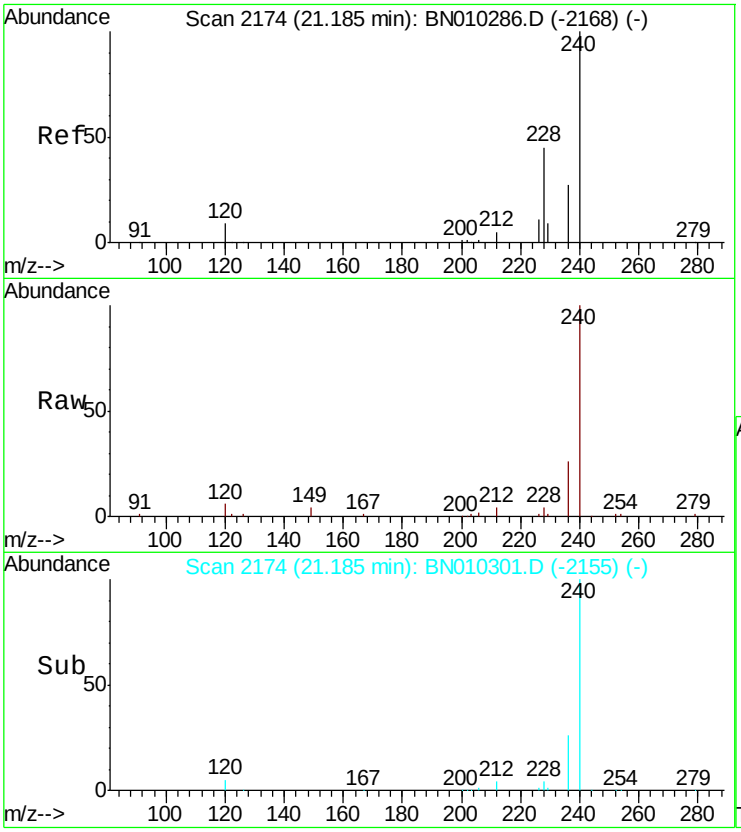


#26
Fluoranthene
Concen: 0.080 ng
RT: 19.05 min Scan# 1870
Delta R.T. -0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:202 Resp: 5284

Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.6	9.8
203	17.3	13.8	20.8



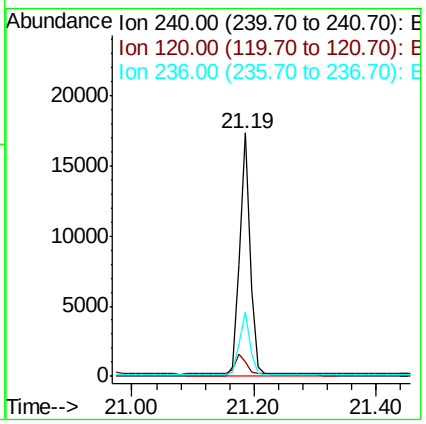


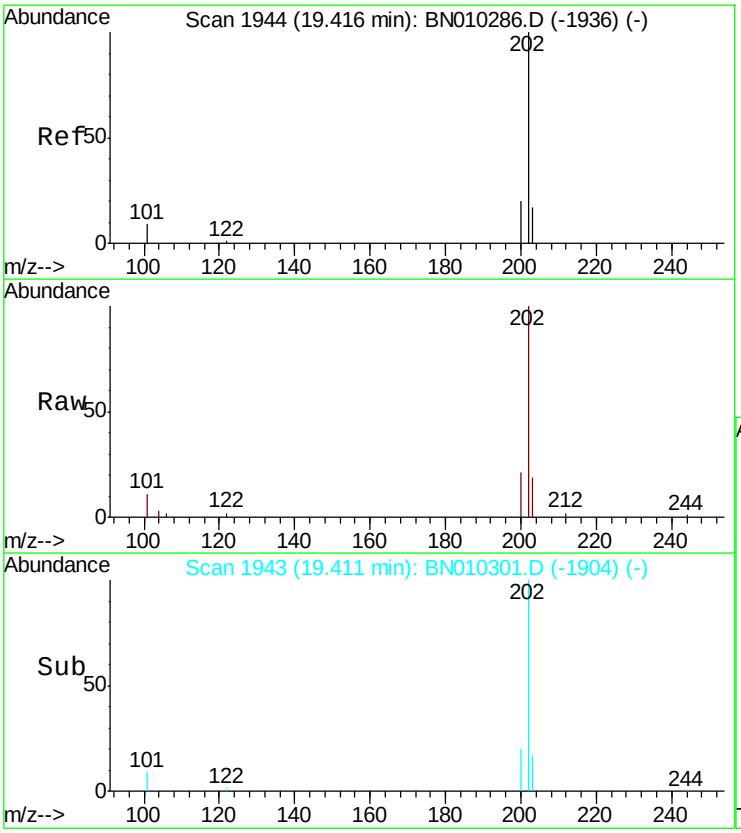
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:240 Resp: 21042

Ion	Ratio	Lower	Upper
240	100		
120	6.1	7.9	11.9#
236	26.5	22.2	33.4

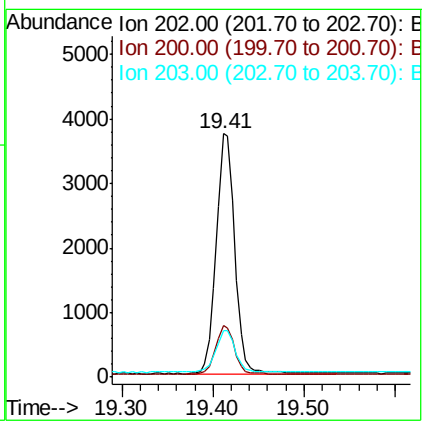


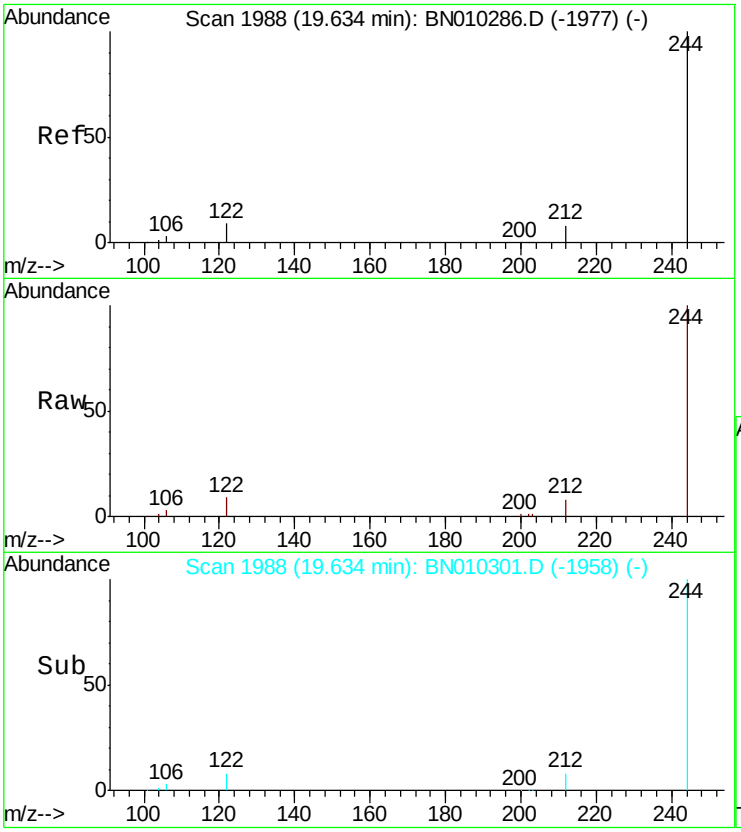


#28
Pyrene
Concen: 0.079 ng
RT: 19.41 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:202 Resp: 5196

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	18.1	14.2	21.2



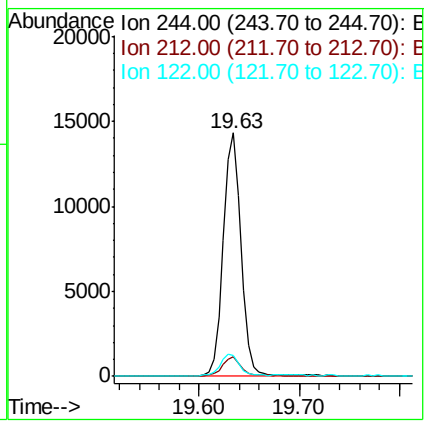


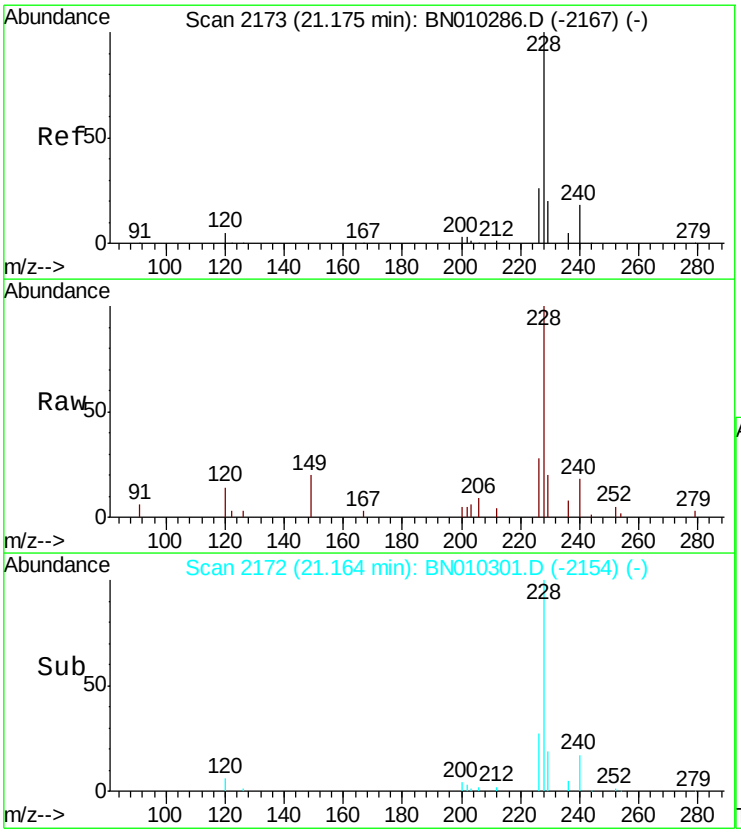
#29
Terphenyl-d14
Concen: 0.382 ng
RT: 19.63 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:244 Resp: 17383

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.3	9.5
122	8.7	7.6	11.4

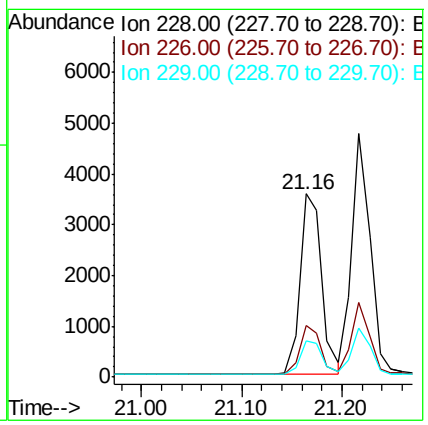


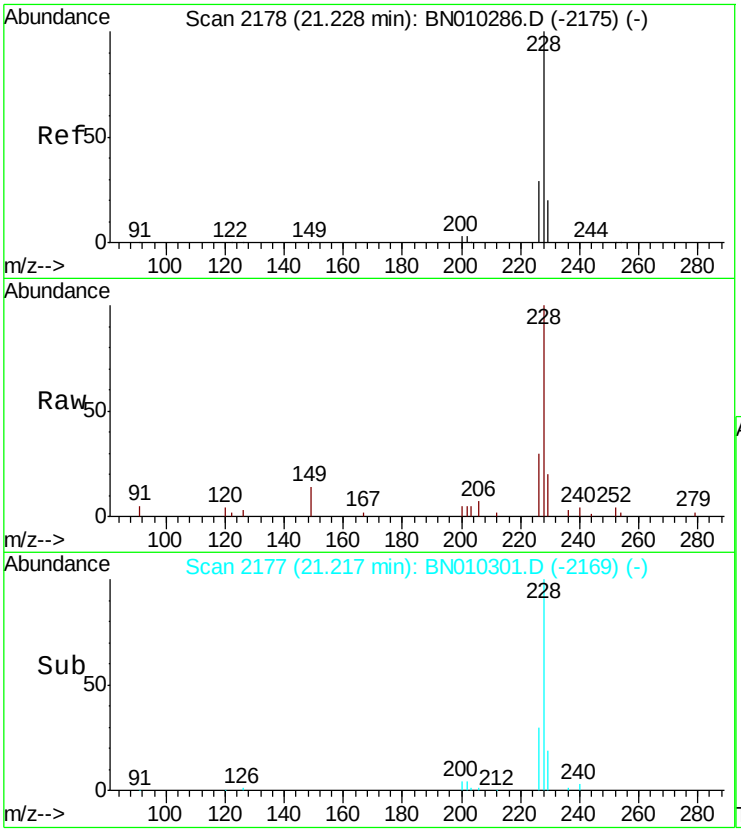


#30
Benzo(a)anthracene
Concen: 0.081 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:228 Resp: 5412

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.0	31.4
229	20.0	16.0	24.0



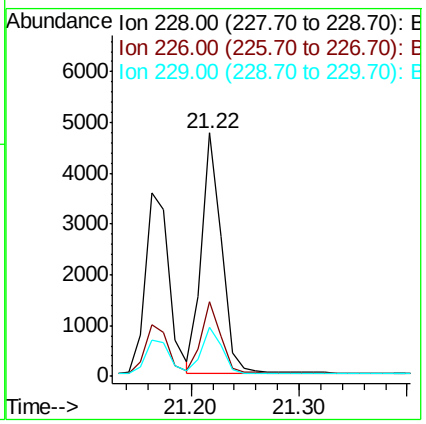


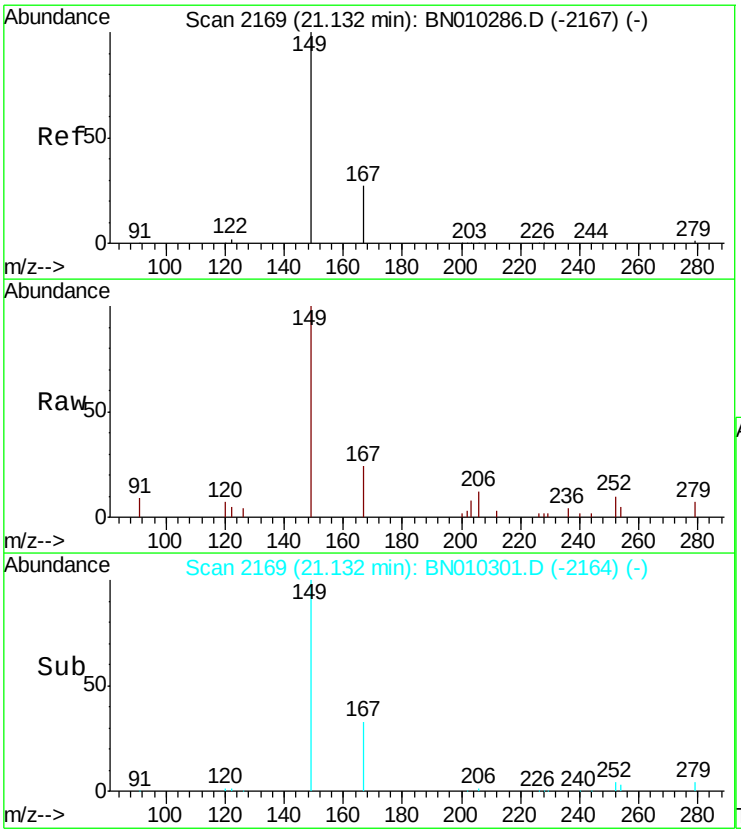
#31
Chrysene
Concen: 0.084 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:228 Resp: 6043

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.0	34.6
229	20.3	16.0	24.0

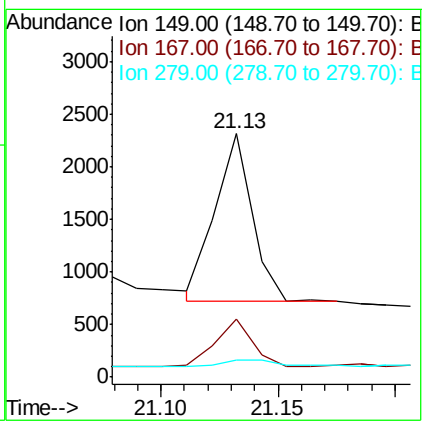


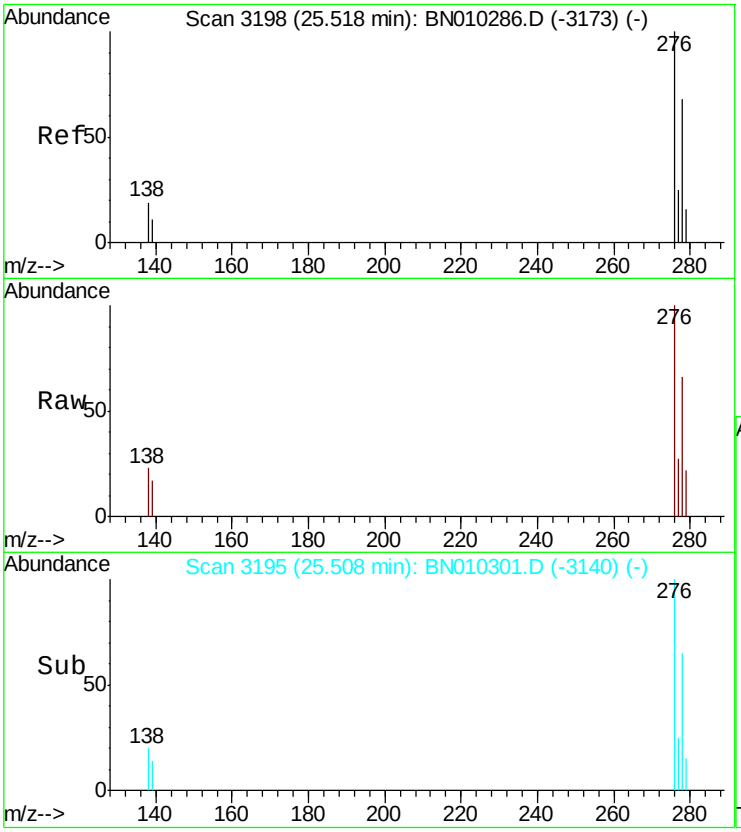


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.078 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:149 Resp: 1768

Ion	Ratio	Lower	Upper
149	100		
167	27.5	23.0	34.6
279	6.2	3.8	5.8#



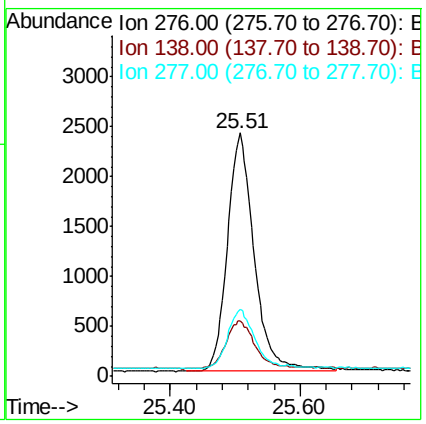


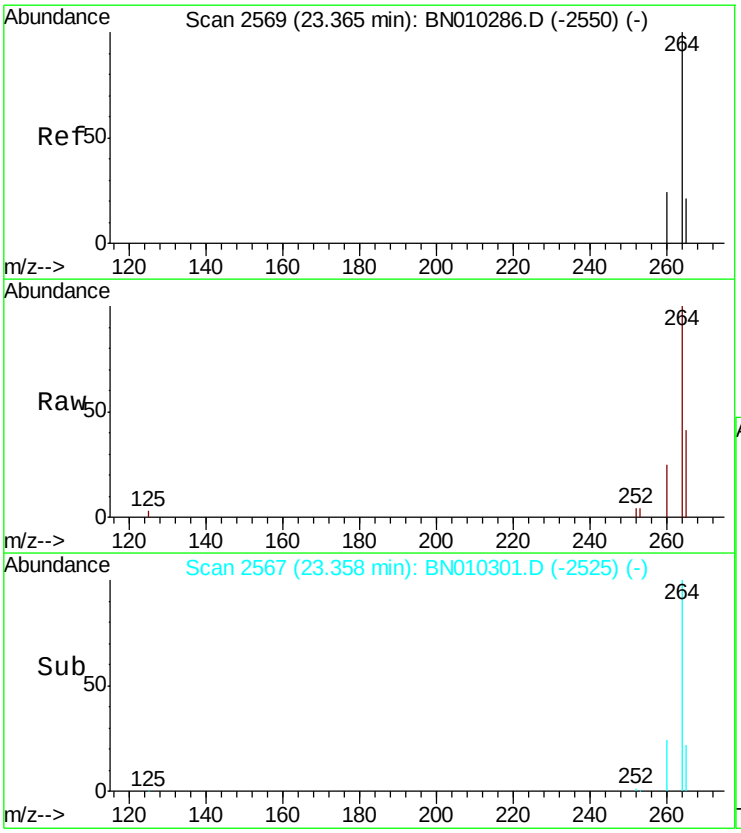
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.089 ng
RT: 25.51 min Scan# 3195
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:276 Resp: 6882

Ion	Ratio	Lower	Upper
276	100		
138	22.2	15.6	23.4
277	24.4	20.1	30.1

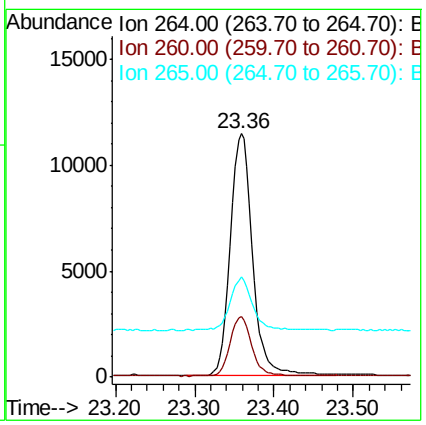


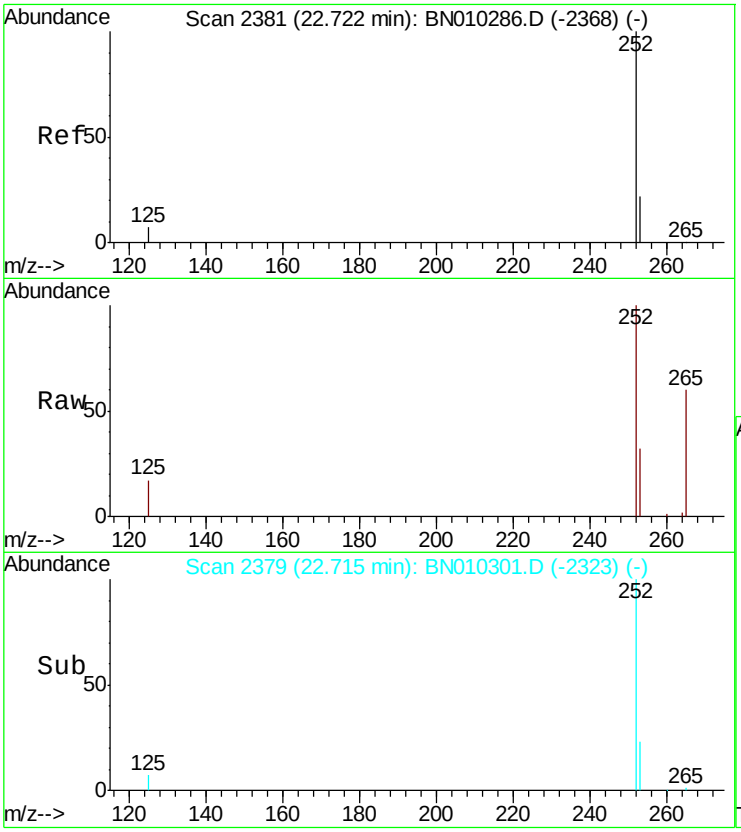


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.36 min Scan# 2567
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:264 Resp: 22359

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	41.3	32.4	48.6



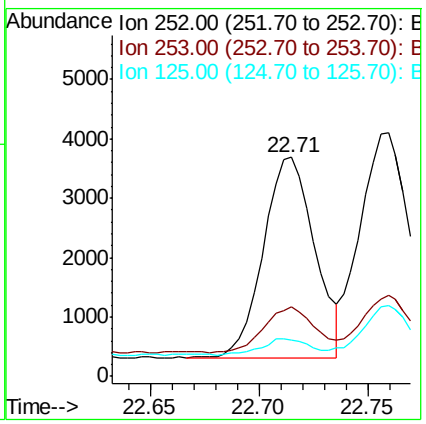


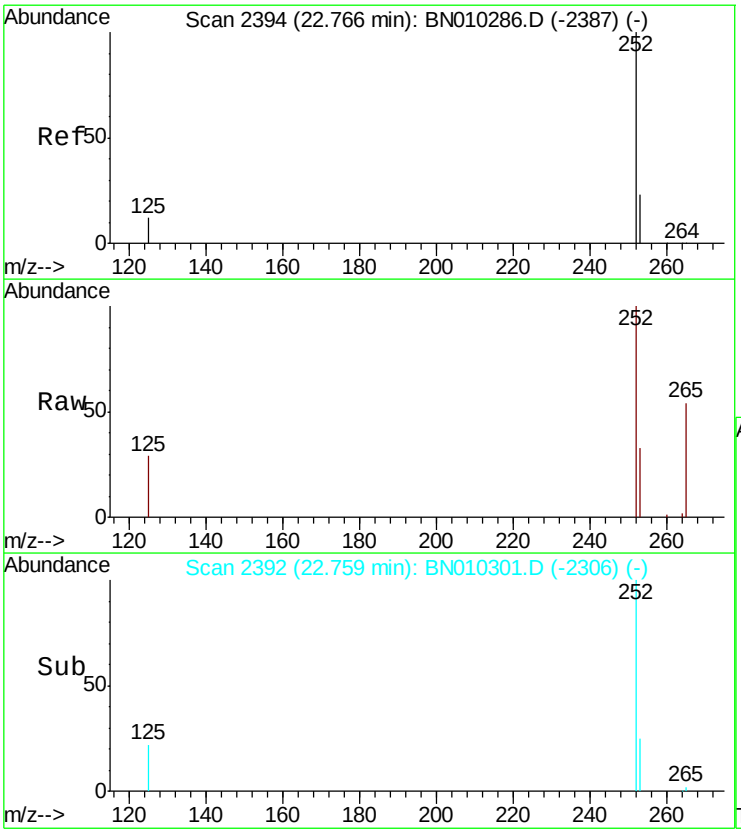
#35
Benzo(b)fluoranthene
Concen: 0.073 ng
RT: 22.71 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:252 Resp: 5547

Ion	Ratio	Lower	Upper
252	100		
253	31.9	19.2	28.8#
125	16.7	7.4	11.0#

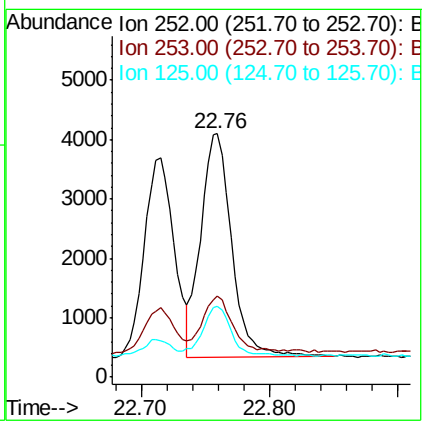


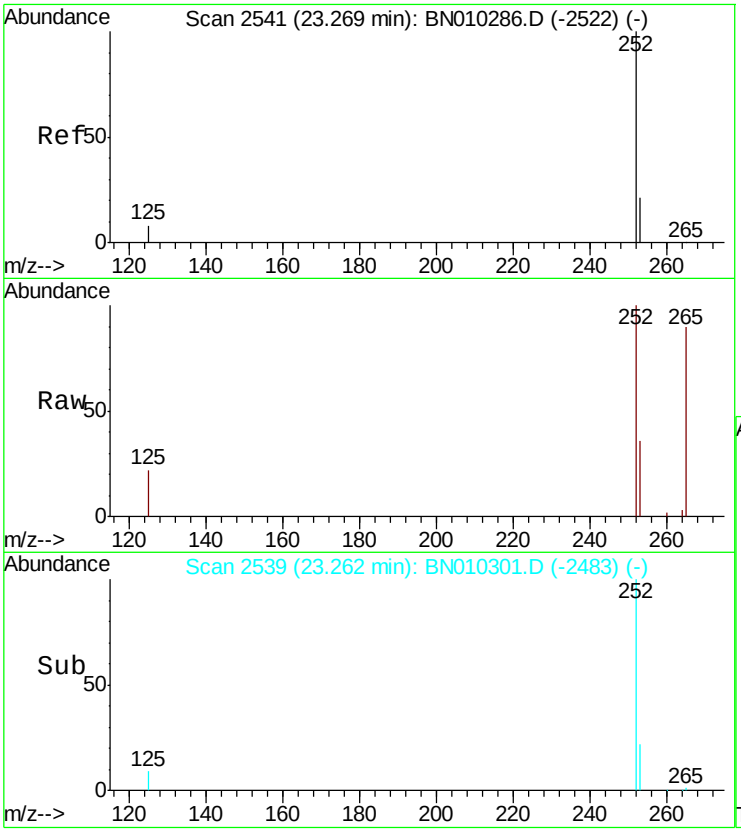


#36
Benzo(k)fluoranthene
Concen: 0.082 ng
RT: 22.76 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:252 Resp: 6338

Ion	Ratio	Lower	Upper
252	100		
253	33.2	19.4	29.0#
125	29.1	10.2	15.2#



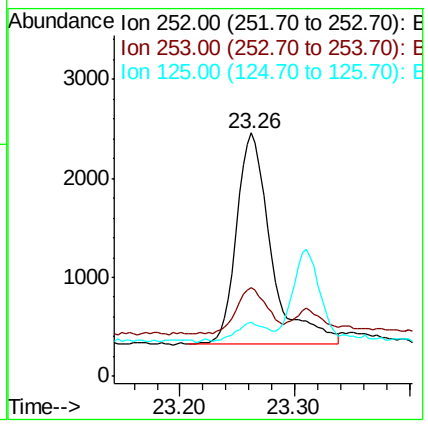


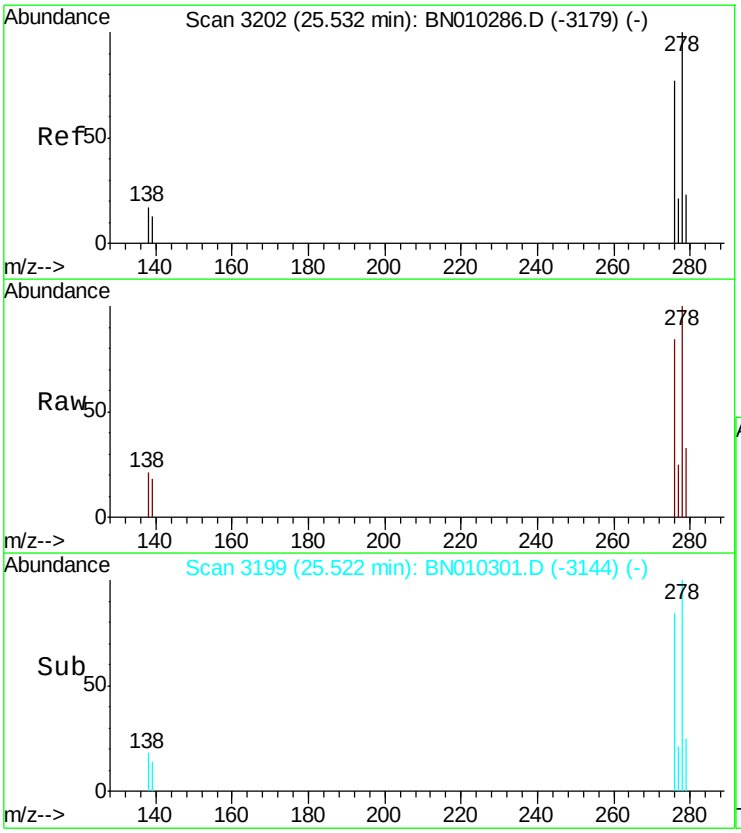
#37
Benzo(a)pyrene
Concen: 0.070 ng
RT: 23.26 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:252 Resp: 4467

Ion	Ratio	Lower	Upper
252	100		
253	36.3	19.9	29.9#
125	22.4	8.9	13.3#

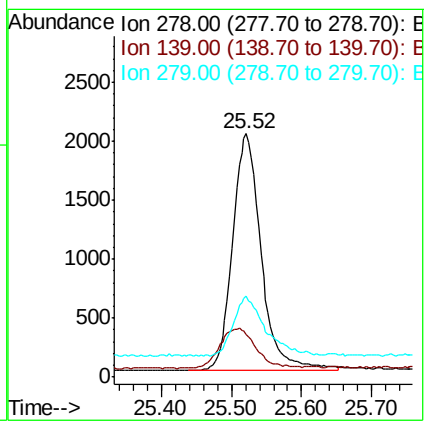


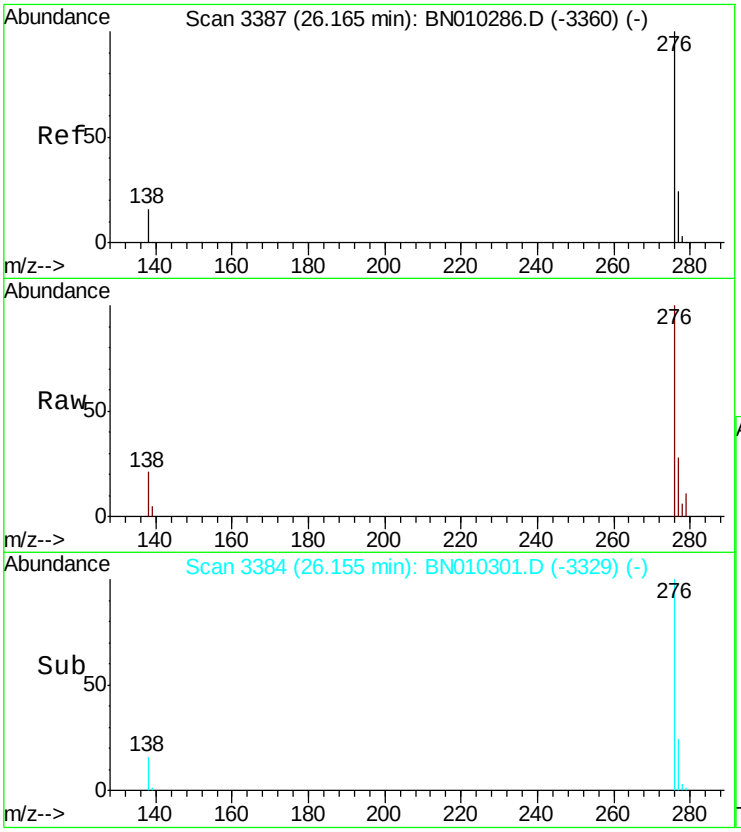


#38
Dibenzo(a,h)anthracene
Concen: 0.082 ng
RT: 25.52 min Scan# 3199
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Tgt Ion:278 Resp: 5689

Ion	Ratio	Lower	Upper
278	100		
139	17.7	10.6	16.0#
279	33.2	19.8	29.6#





#39
Benzo(g,h,i)perylene
Concen: 0.079 ng
RT: 26.15 min Scan# 3384
Delta R.T. -0.01 min
Lab File: BN010301.D
Acq: 19 Mar 2020 22:51

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tgt Ion:276 Resp: 5497

Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.6	29.4
138	20.6	13.3	19.9#