Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102618\
Data File : BN003315.D
Acq On : 26 Oct 2018 21:13
Operator : MJ/SJ
Sample : J5164-09
Misc : 0.1 PPM MDL
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-WATER-03-QT4-2018

Quant Time: Oct 29 16:41:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 16:15:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	12455	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	51550	0.40	ng		0.00
13) Acenaphthene-d10	14.50	164	30104	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	75369	0.40	ng		0.00
27) Chrysene-d12	21.42	240	79106	0.40	ng		0.00
34) Perylene-d12	23.74	264	72507	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.42	112	9432	0.31	ng		0.00
5) Phenol-d6	7.01	99	11735	0.30	ng		0.00
8) Nitrobenzene-d5	9.02	82	8196	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.25	152	25645	0.31	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	3149	0.26	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	43681	0.34	ng		-0.01
25) Fluoranthene-d10	19.26	212	62161	0.28	ng		0.00
29) Terphenyl-d14	19.86	244	58304	0.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	1507	0.093	ng		93
3) n-Nitrosodimethylamine	3.71	42	412	0.056	ng	#	80
6) bis(2-Chloroethyl)ether	7.30	93	2923	0.084	ng		94
9) Naphthalene	10.71	128	11424	0.091	ng		98
10) Hexachlorobutadiene	10.99	225	2157	0.094	ng	#	100
12) 2-Methylnaphthalene	12.32	142	7781	0.088	ng		98
16) Acenaphthylene	14.22	152	10169	0.076	ng		100
17) Acenaphthene	14.56	154	7993	0.086	ng		99
18) Fluorene	15.55	166	9927	0.085	ng		99
20) 4-Bromophenyl-phenylether	16.43	248	3672	0.084	ng	#	79
21) Hexachlorobenzene	16.54	284	4205	0.091	ng		99
22) Pentachlorophenol	16.88	266	869	0.070	ng		98
23) Phenanthrene	17.28	178	17980	0.087	ng		100
24) Anthracene	17.37	178	13223	0.075	ng		99
26) Fluoranthene	19.29	202	19729	0.083	ng		99
28) Pyrene	19.66	202	19430	0.089	ng		100
30) Benzo(a)anthracene	21.40	228	16374	0.079	ng		97
31) Chrysene	21.45	228	20613	0.092	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	5020	0.082	ng		98
33) Indeno(1,2,3-cd)pyrene	26.10	276	18876	0.082	ng		98
35) Benzo(b)fluoranthene	23.03	252	19974	0.088	ng		94
36) Benzo(k)fluoranthene	23.08	252	18533	0.083	ng	#	90
37) Benzo(a)pyrene	23.63	252	16558	0.080	ng		91
38) Dibenzo(a,h)anthracene	26.12	278	15153	0.079	ng		93
39) Benzo(g,h,i)perylene	26.82	276	16549	0.086	ng		97

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

Quantitation Report (QT Reviewed)

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Acq On : 26 Oct 2018 21:13
Operator : MJ/SJ
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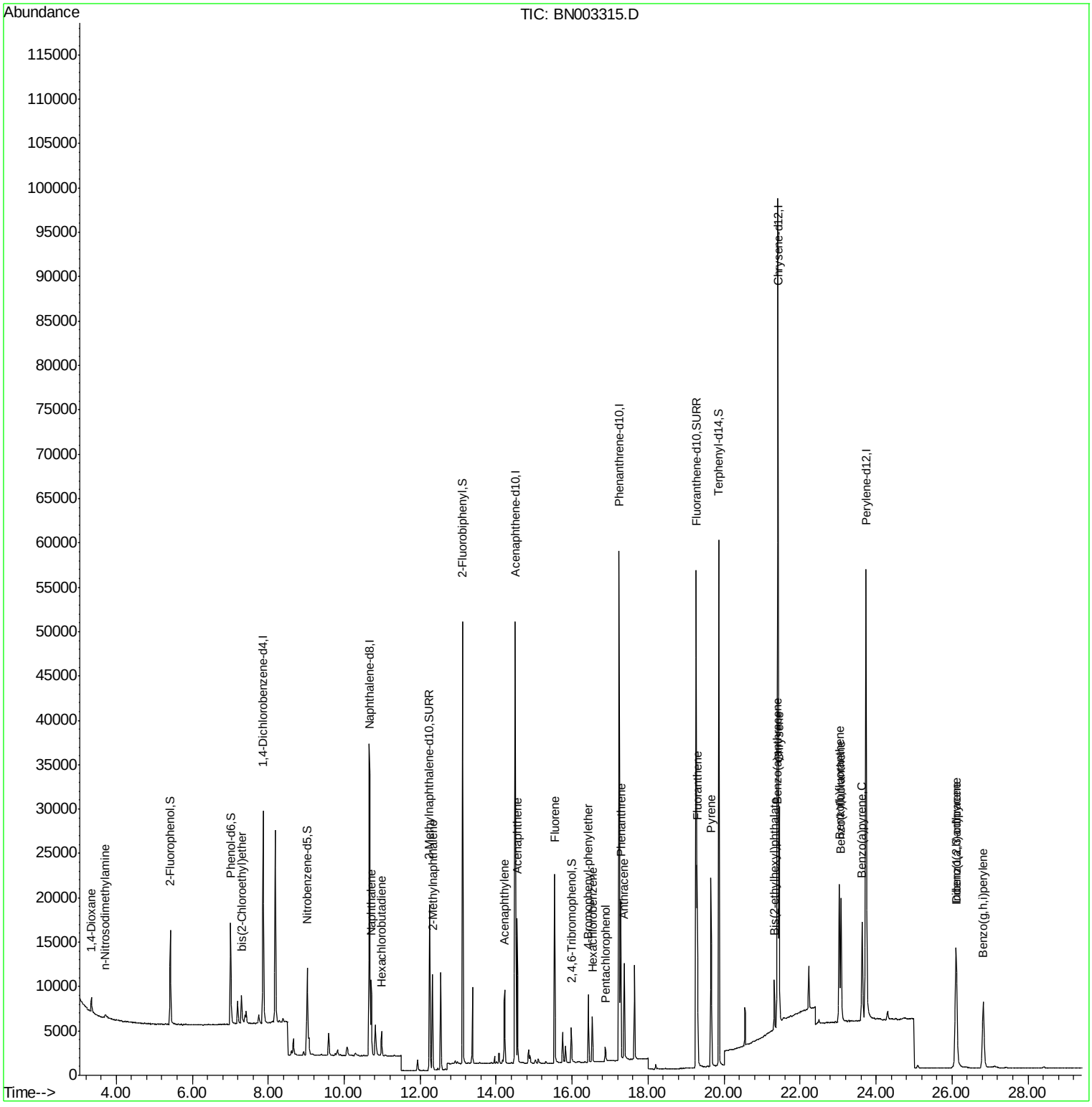
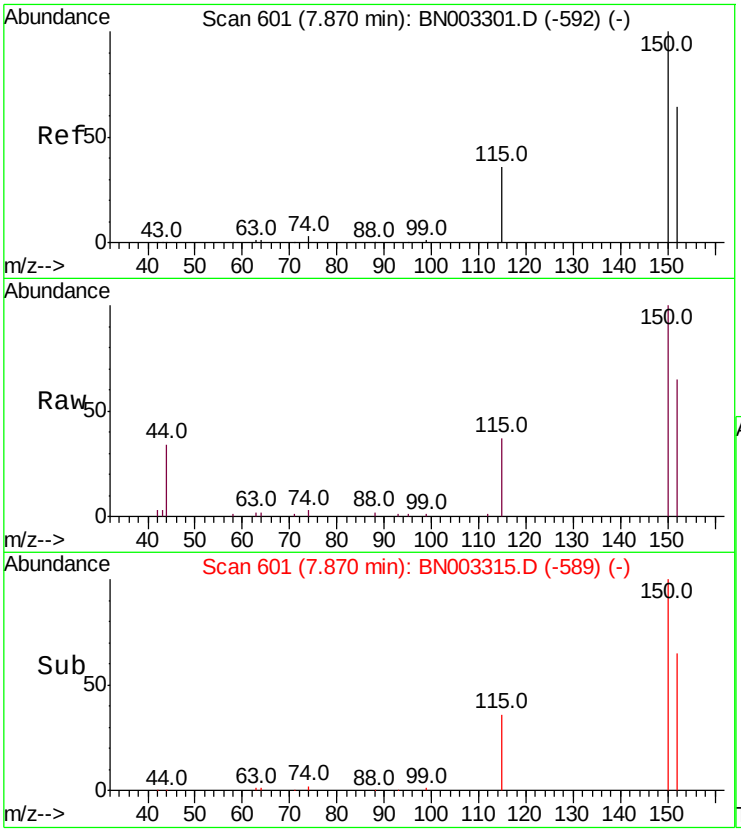
Misc : 0.1 PPM MDL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Quant Time: Oct 29 16:41:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 16:15:49 2018
Response via : Initial Calibration



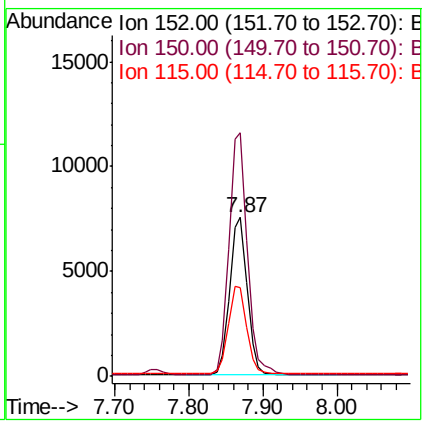


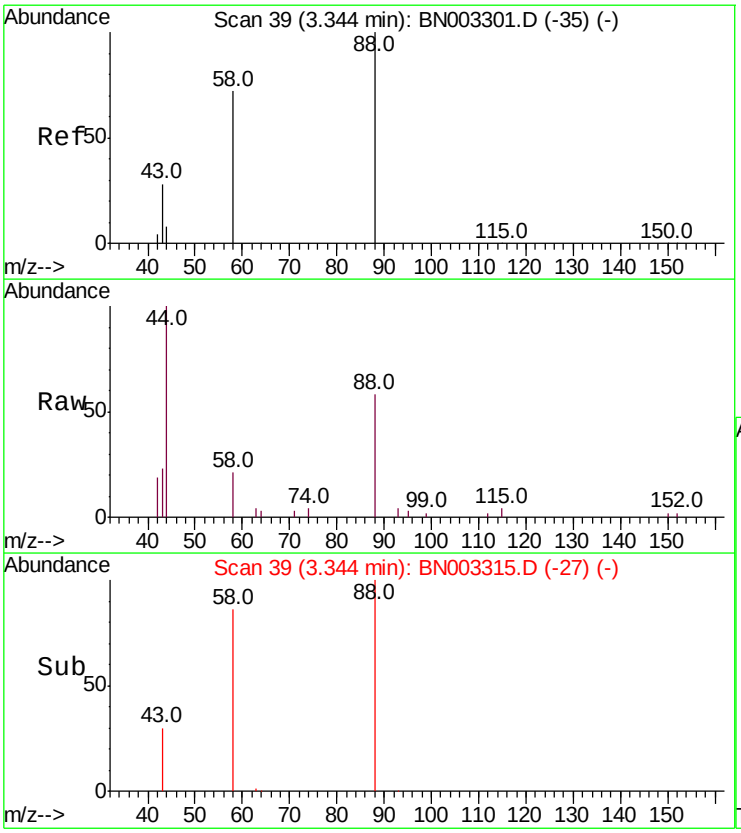
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 601
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:152 Resp: 12455

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	187.0
115	56.1	46.4	69.6

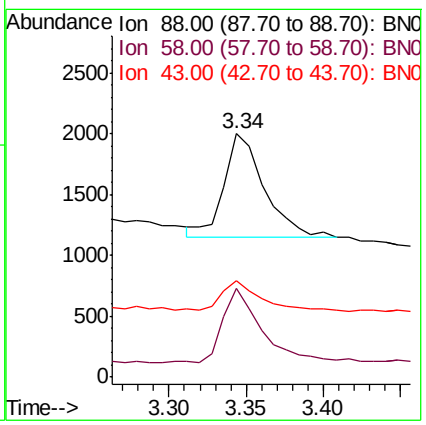


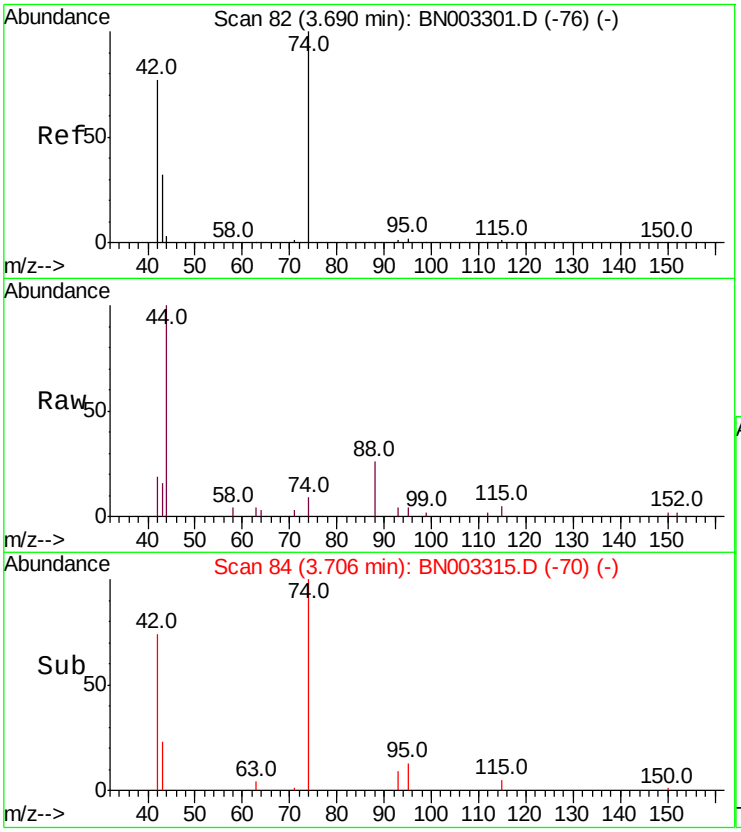


#2
1,4-Dioxane
Concen: 0.093 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion: 88 Resp: 1507

Ion	Ratio	Lower	Upper
88	100		
58	70.7	60.9	91.3
43	25.5	23.9	35.9



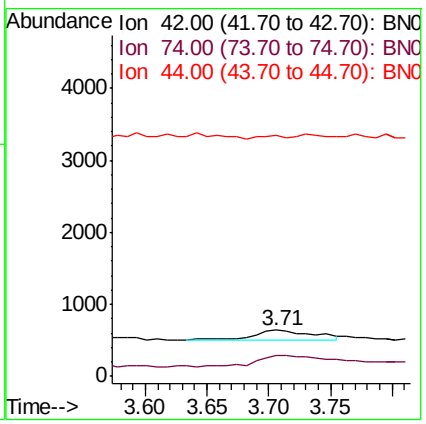


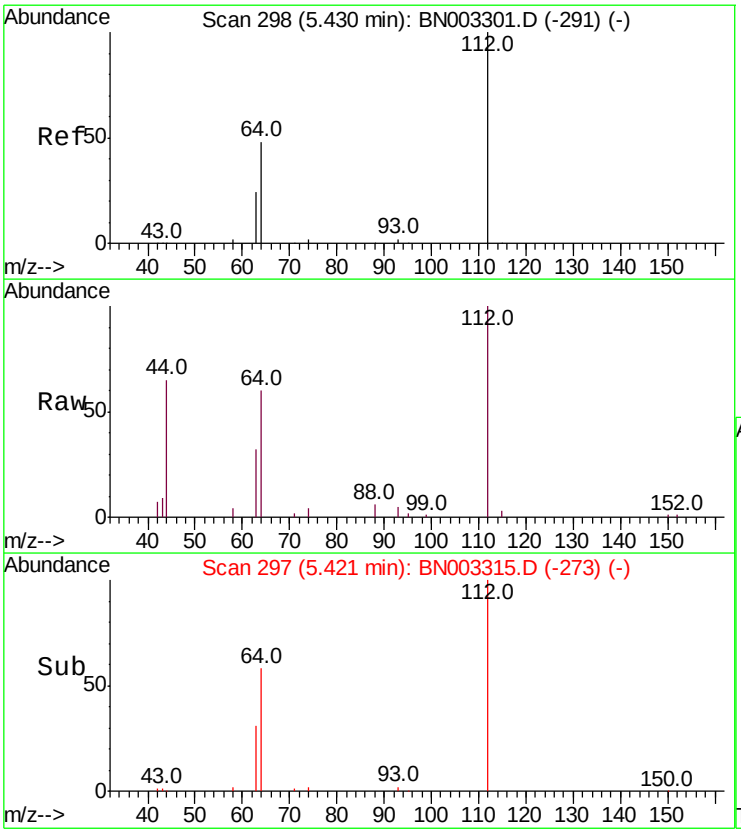
#3
n-Nitrosodimethylamine
Concen: 0.056 ng
RT: 3.71 min Scan# 84
Delta R.T. 0.02 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 42 Resp: 412

Ion	Ratio	Lower	Upper
42	100		
74	146.4	99.1	148.7
44	14.6	4.2	6.4#

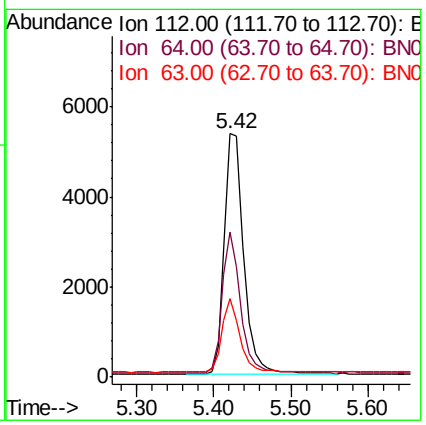


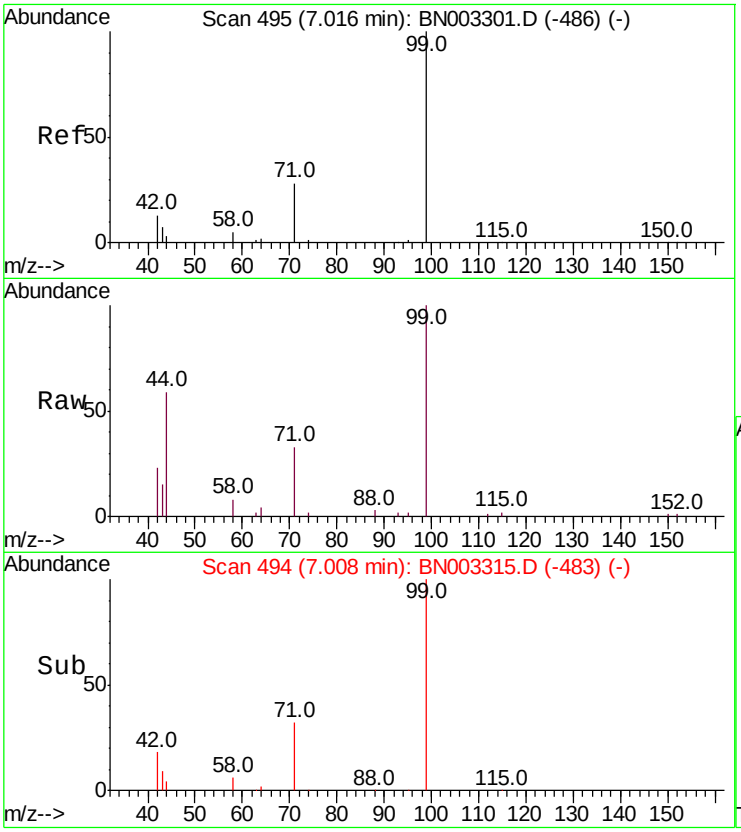


#4
2-Fluorophenol
Concen: 0.306 ng
RT: 5.42 min Scan# 297
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:112 Resp: 9432

Ion	Ratio	Lower	Upper
112	100		
64	54.8	44.3	66.5
63	27.7	22.4	33.6



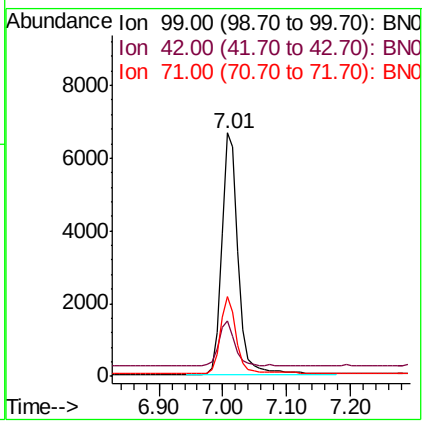


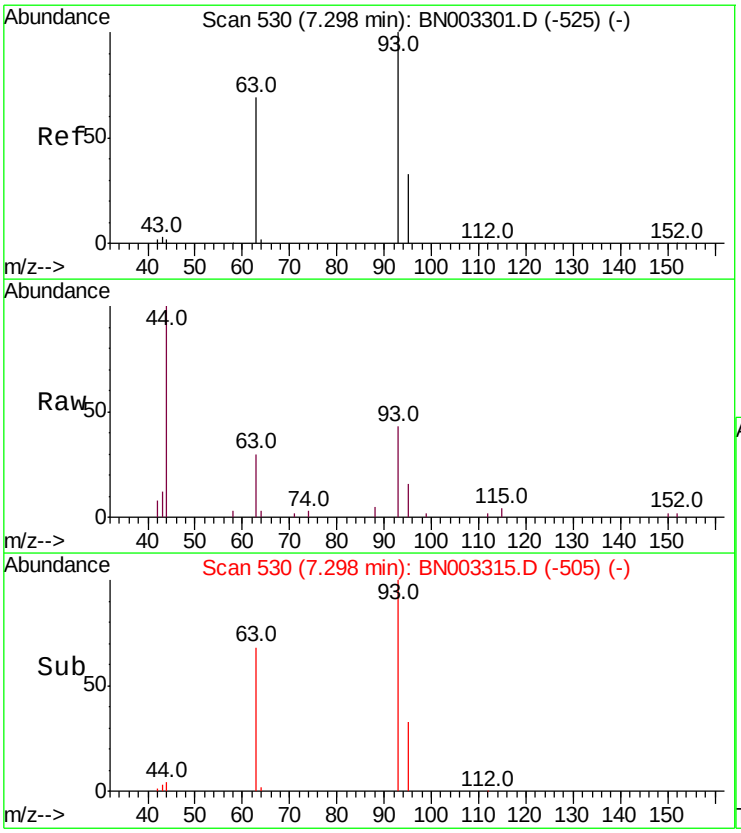
#5
Phenol-d6
Concen: 0.301 ng
RT: 7.01 min Scan# 494
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion: 99 Resp: 11735

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.8	22.2
71	30.3	24.8	37.2

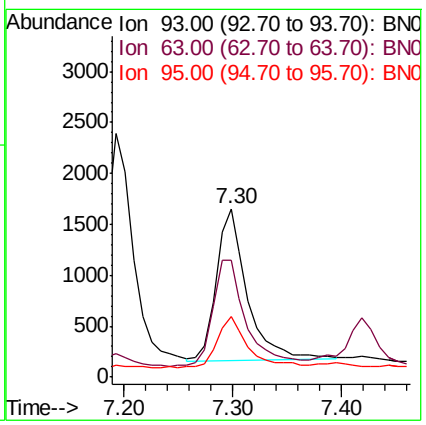


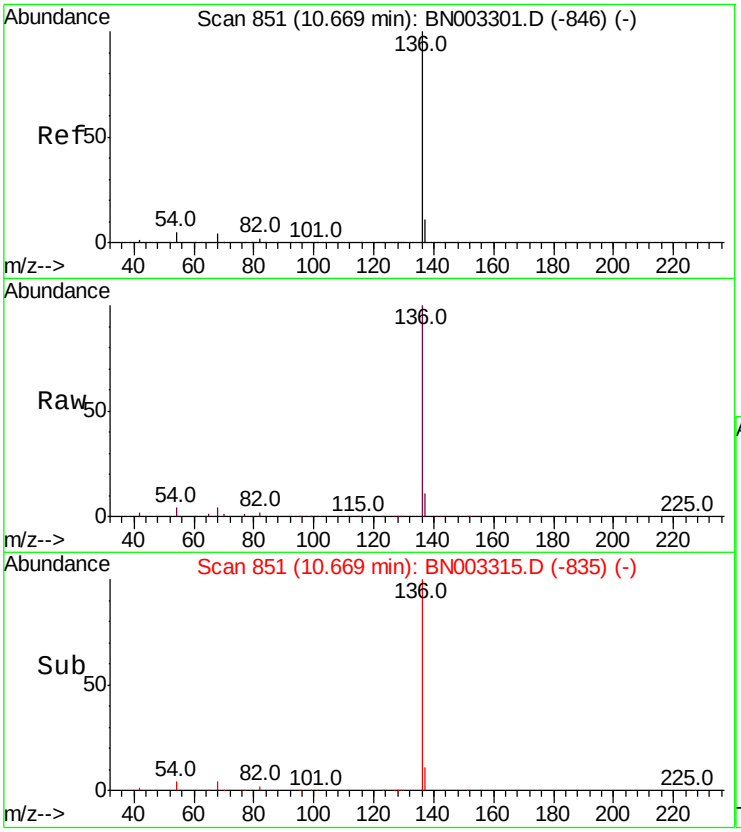


#6
bis(2-Chloroethyl)ether
Concen: 0.084 ng
RT: 7.30 min Scan# 530
Delta R.T. 0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion: 93 Resp: 2923

Ion	Ratio	Lower	Upper
93	100		
63	75.6	55.8	83.6
95	33.3	25.4	38.2



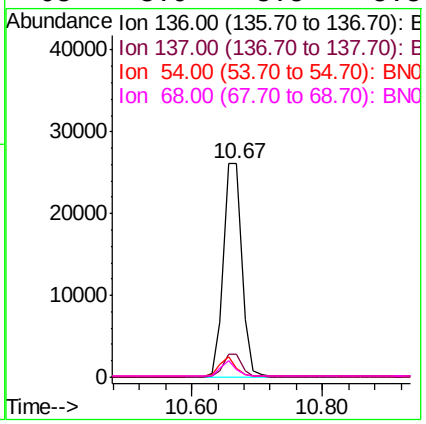


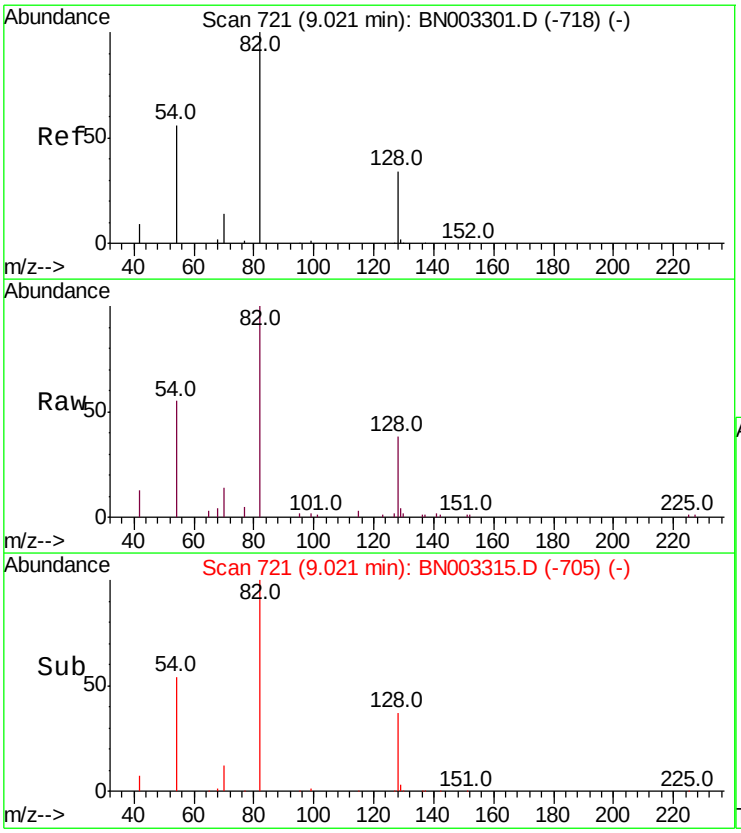
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 851
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:136 Resp: 51550

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	4.4	4.1	6.1
68	3.9	3.5	5.3

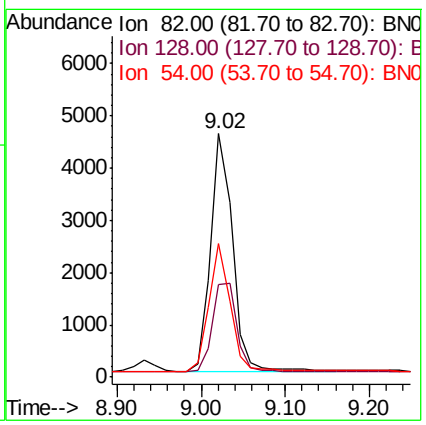


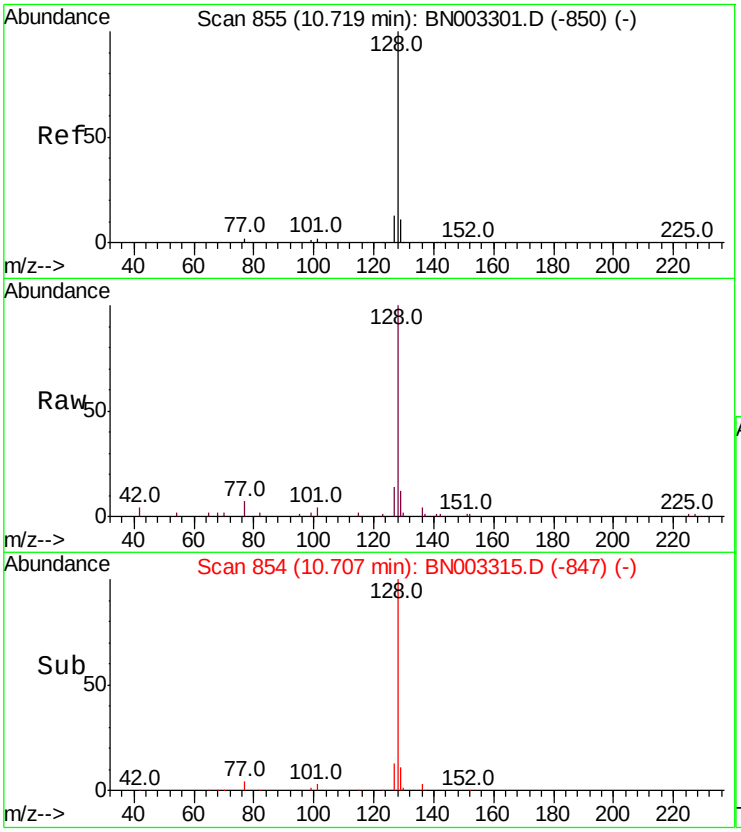


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 9.02 min Scan# 721
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion: 82 Resp: 8196

Ion	Ratio	Lower	Upper
82	100		
128	37.9	28.9	43.3
54	55.0	46.1	69.1



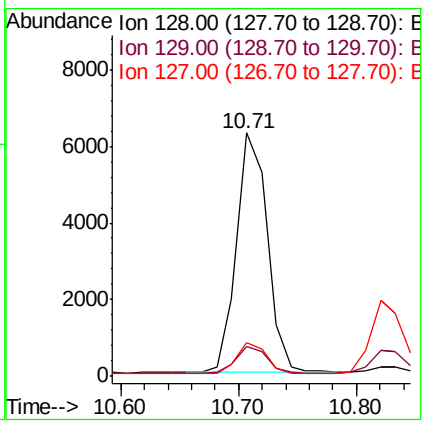


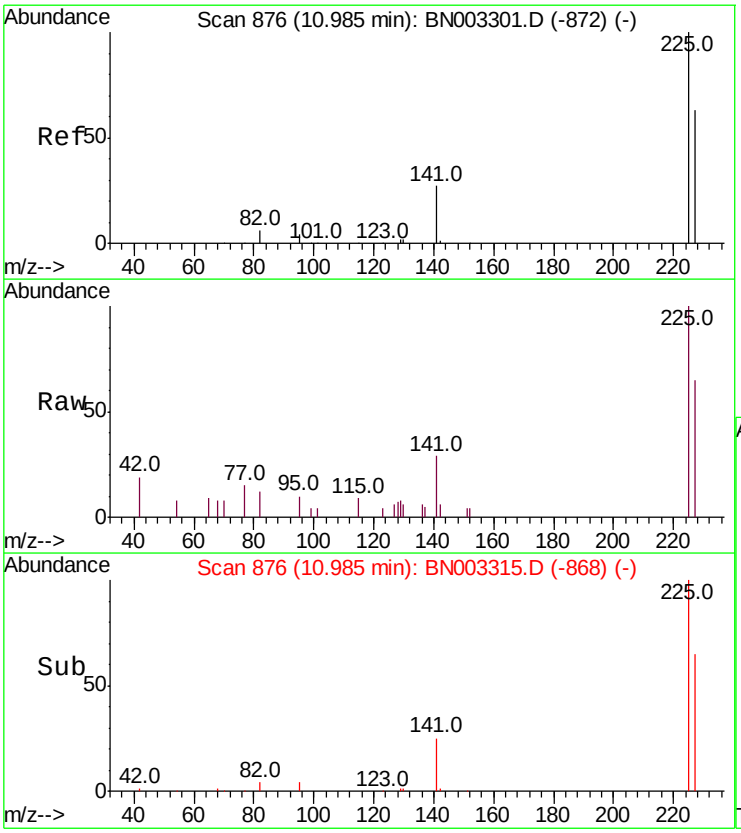
#9
Naphthalene
Concen: 0.091 ng
RT: 10.71 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:128 Resp: 11424

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.1	13.7
127	13.9	10.2	15.4

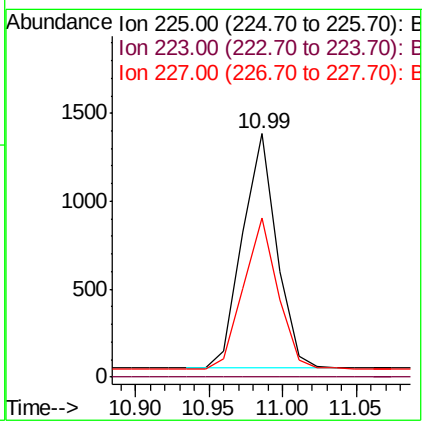


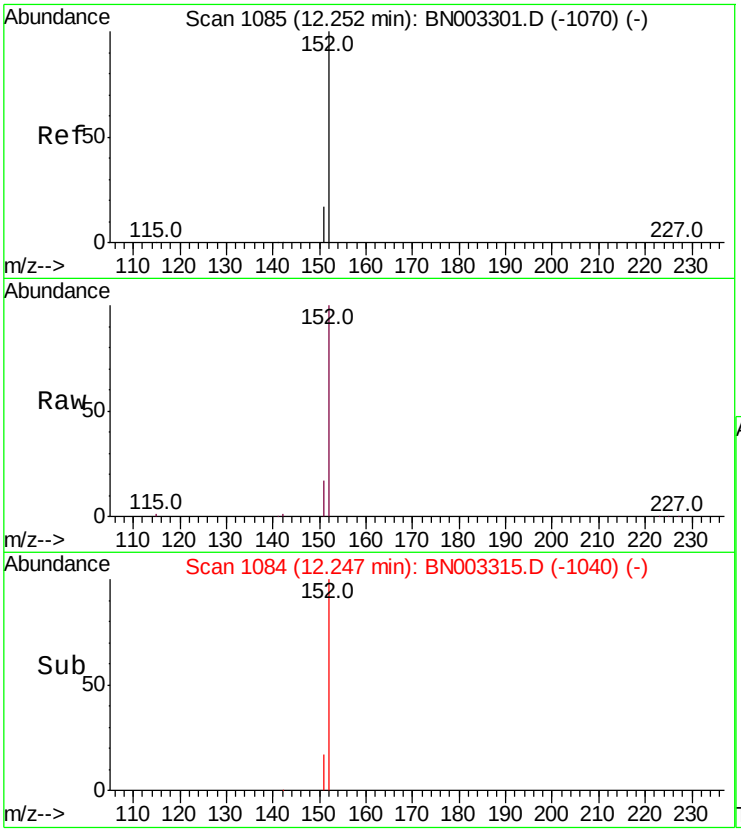


#10
Hexachlorobutadiene
Concen: 0.094 ng
RT: 10.99 min Scan# 876
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:225 Resp: 2157

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.3	76.9



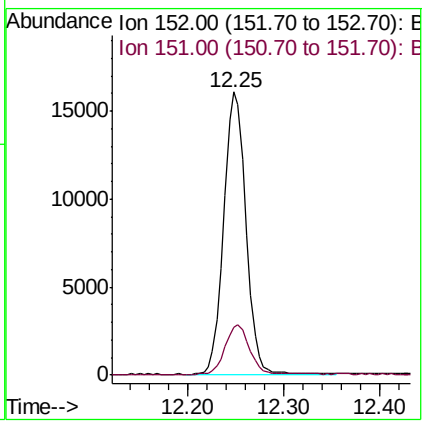


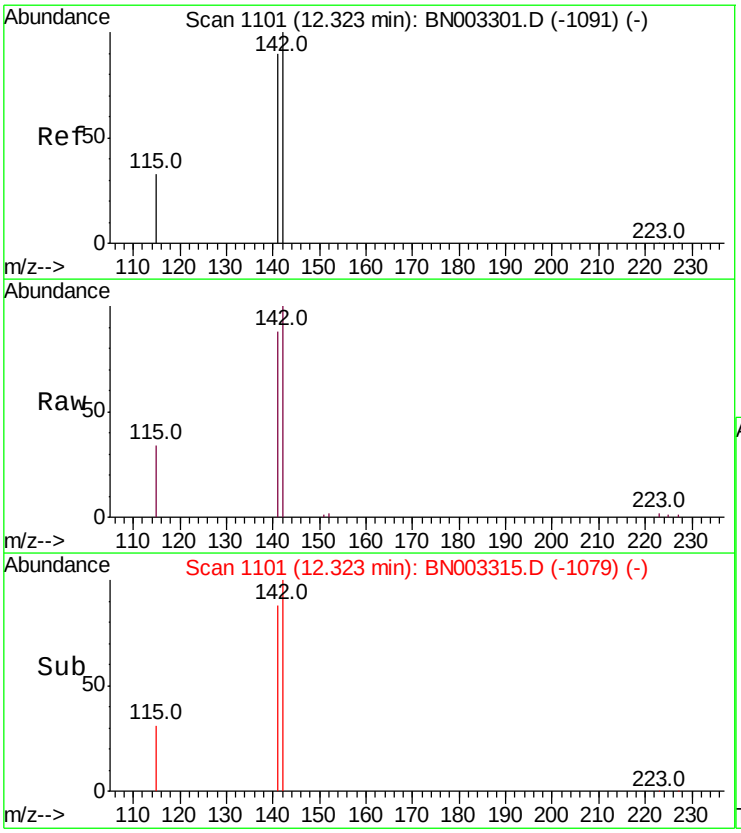
#11
2-Methylnaphthalene-d10
Concen: 0.306 ng
RT: 12.25 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:152 Resp: 25645

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.1	22.7

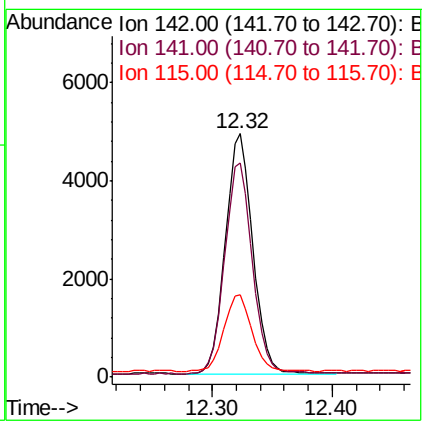


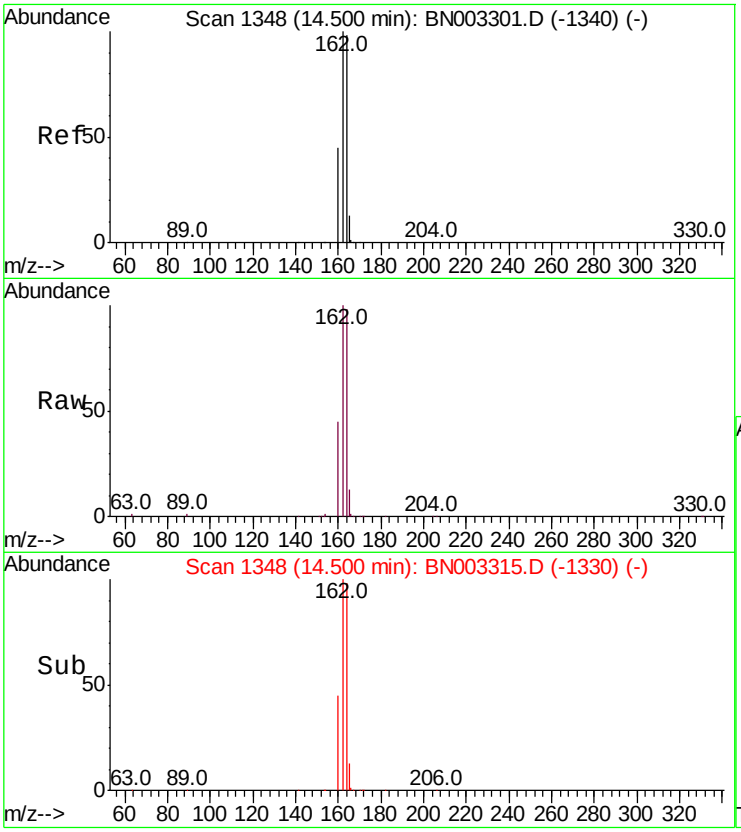


#12
2-Methylnaphthalene
Concen: 0.088 ng
RT: 12.32 min Scan# 1101
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:142 Resp: 7781

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.9	107.9
115	33.6	27.0	40.6



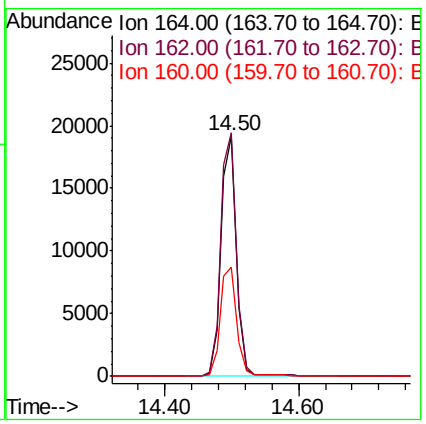


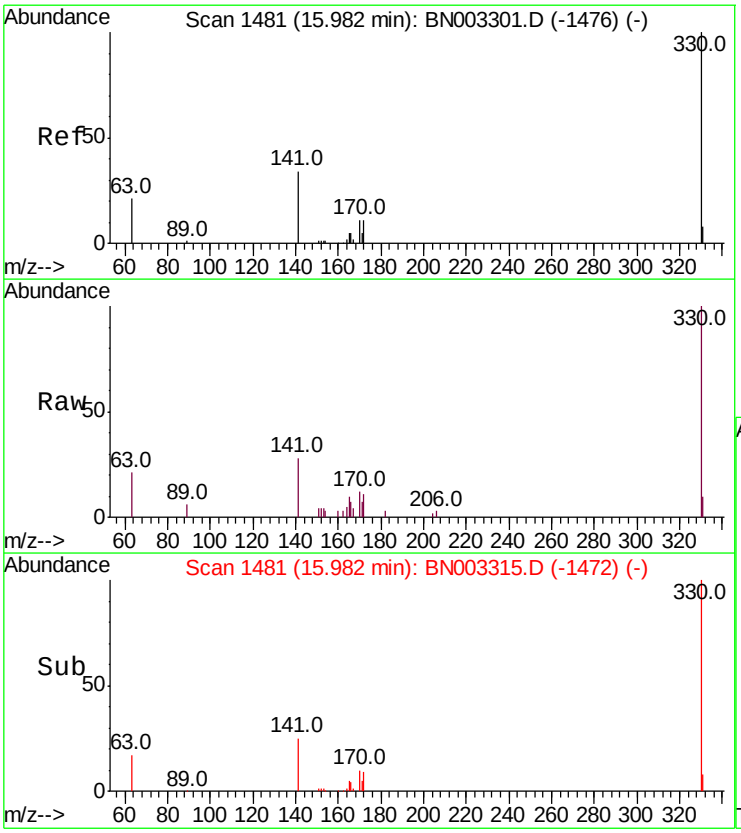
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:164 Resp: 30104

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.8	122.6
160	45.5	37.2	55.8

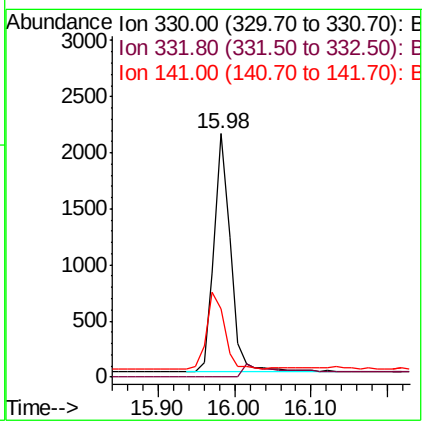


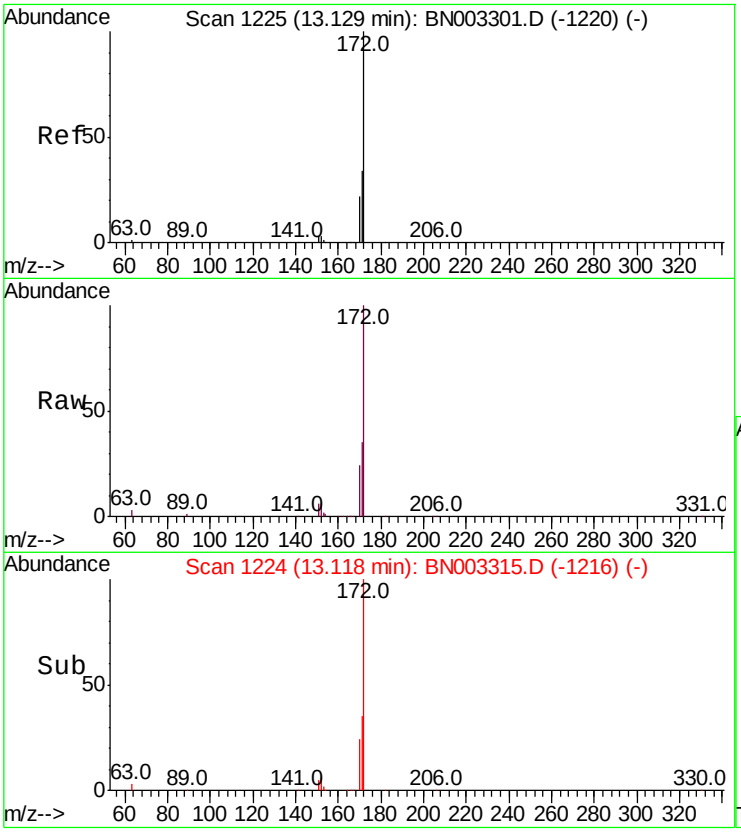


#14
2,4,6-Tribromophenol
Concen: 0.263 ng
RT: 15.98 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:330 Resp: 3149

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.2	28.3	42.5



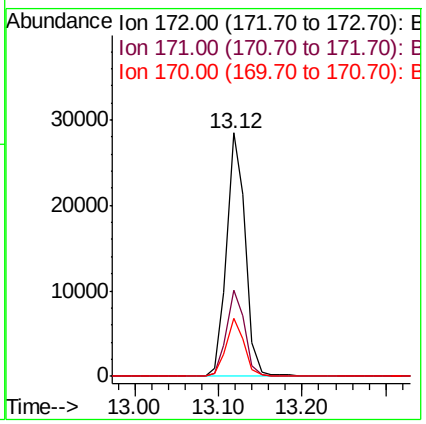


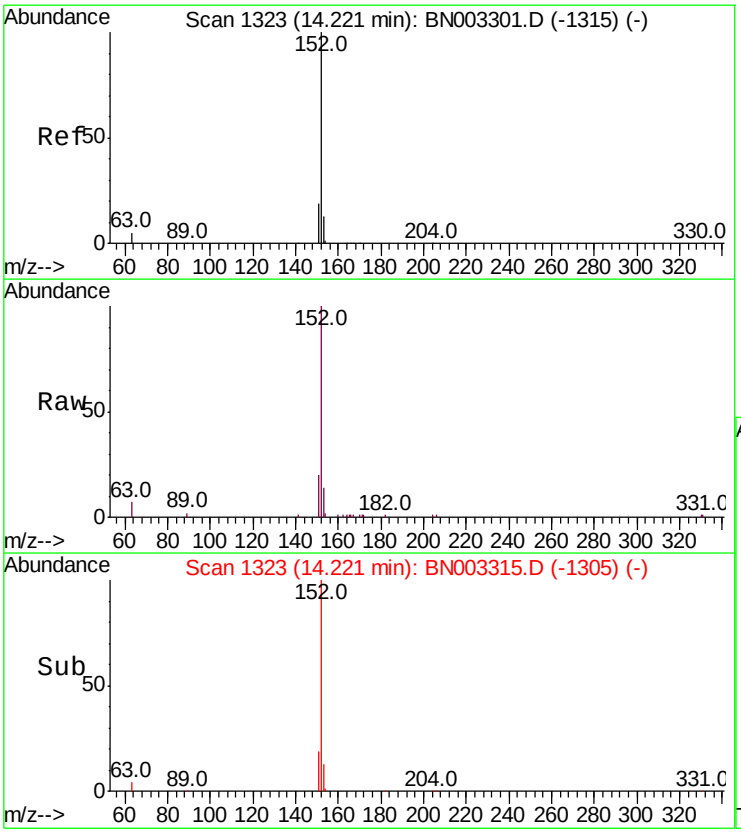
#15
2-Fluorobiphenyl
Concen: 0.337 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:172 Resp: 43681

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.1	40.7
170	23.7	17.4	26.0

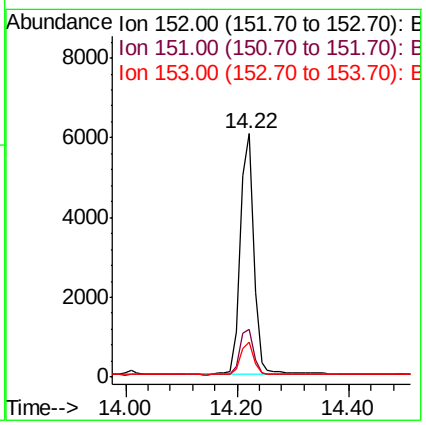


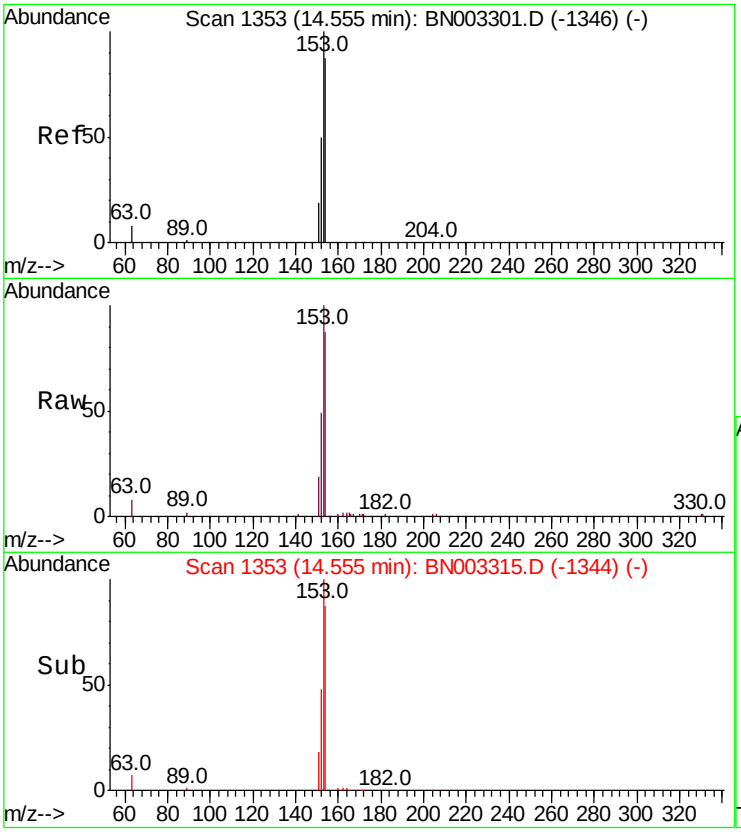


#16
Acenaphthylene
Concen: 0.076 ng
RT: 14.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:152 Resp: 10169

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.3	10.6	15.8



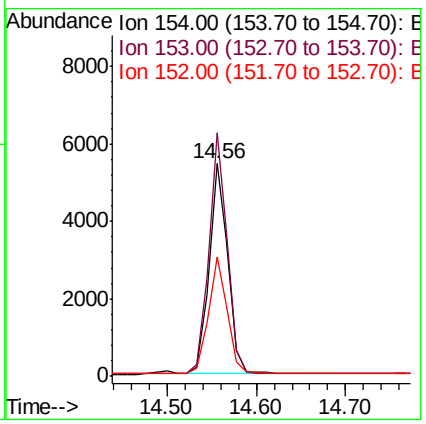


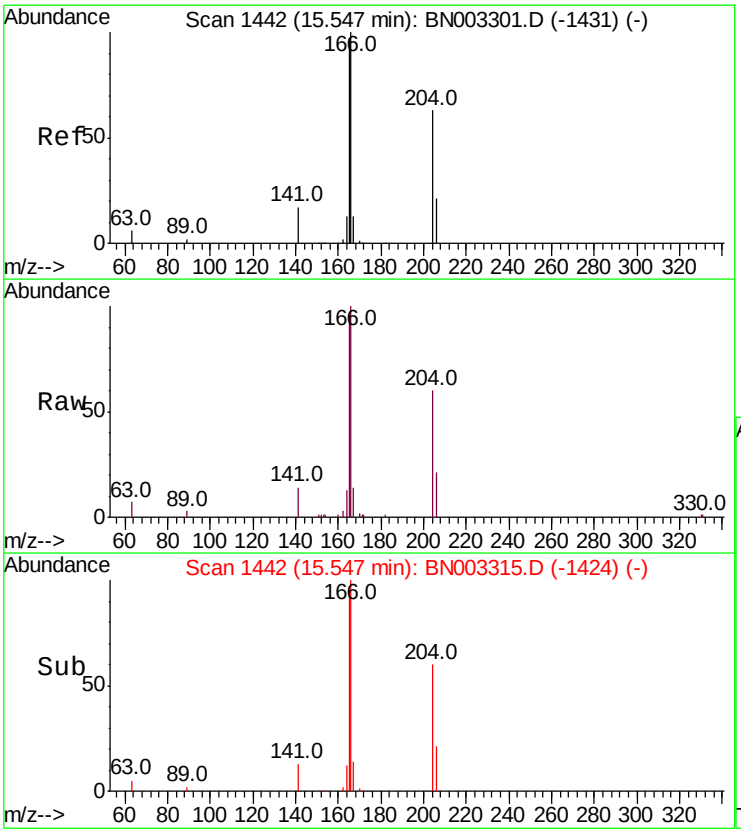
#17
Acenaphthene
Concen: 0.086 ng
RT: 14.56 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:154 Resp: 7993

Ion	Ratio	Lower	Upper
154	100		
153	112.4	88.9	133.3
152	55.5	43.5	65.3

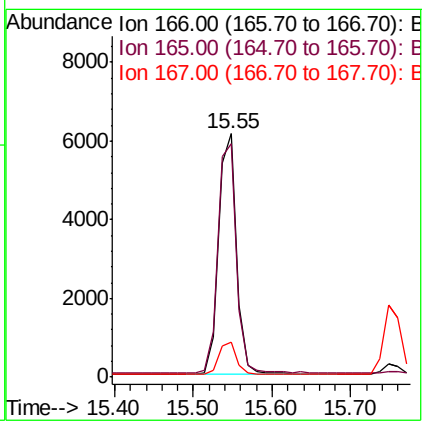


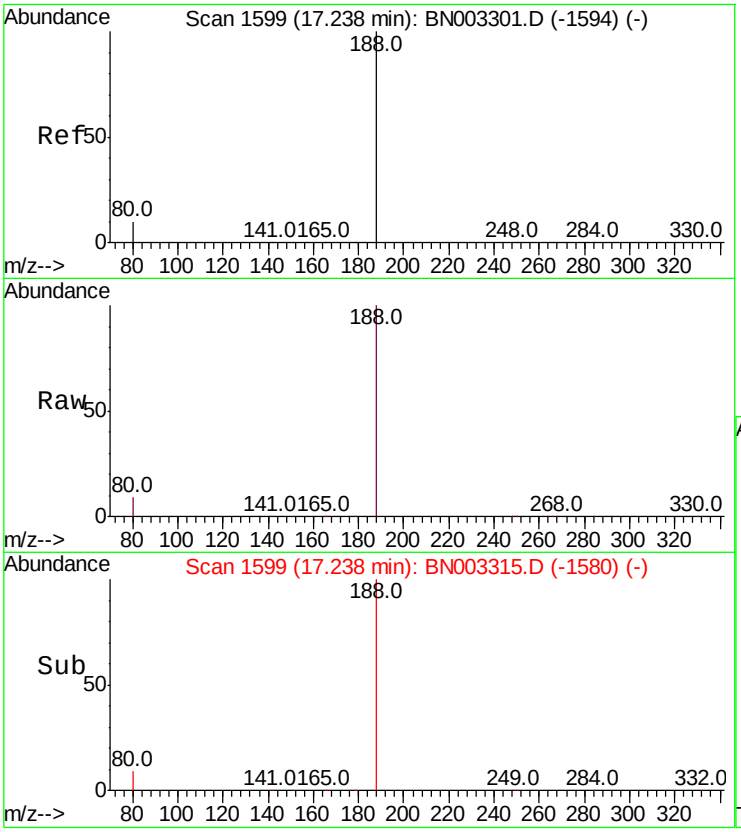


#18
Fluorene
Concen: 0.085 ng
RT: 15.55 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:166 Resp: 9927

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.8	116.8
167	13.4	10.9	16.3



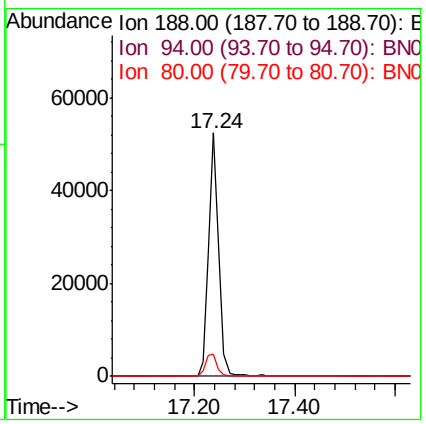


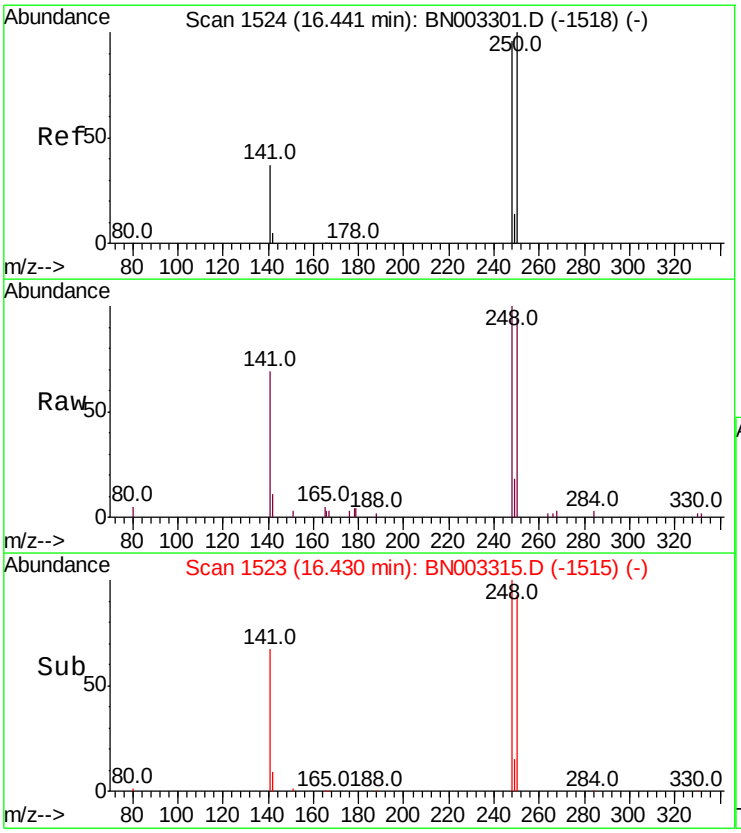
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:188 Resp: 75369

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	8.6	12.8

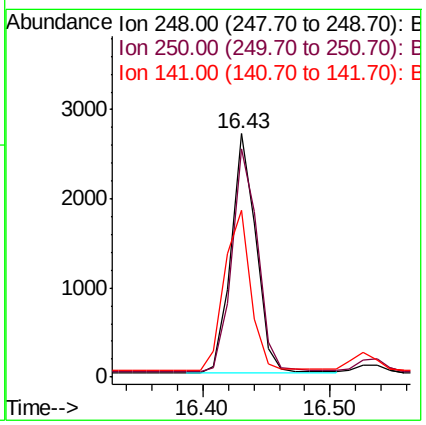


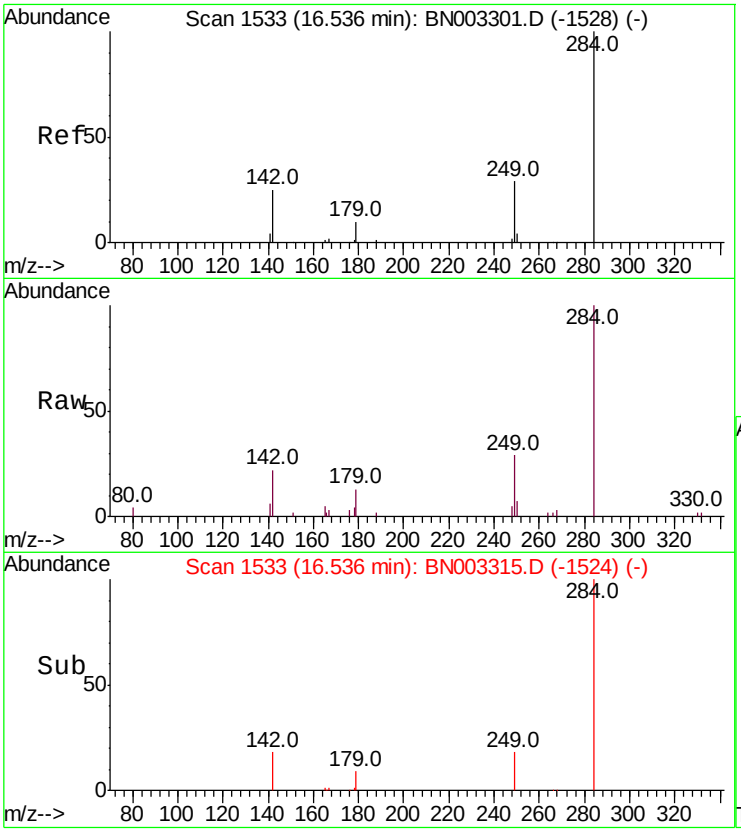


#20
4-Bromophenyl-phenylether
Concen: 0.084 ng
RT: 16.43 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:248 Resp: 3672

Ion	Ratio	Lower	Upper
248	100		
250	93.5	83.7	125.5
141	68.7	31.4	47.0#



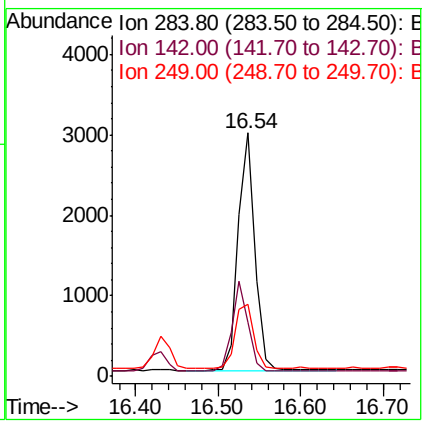


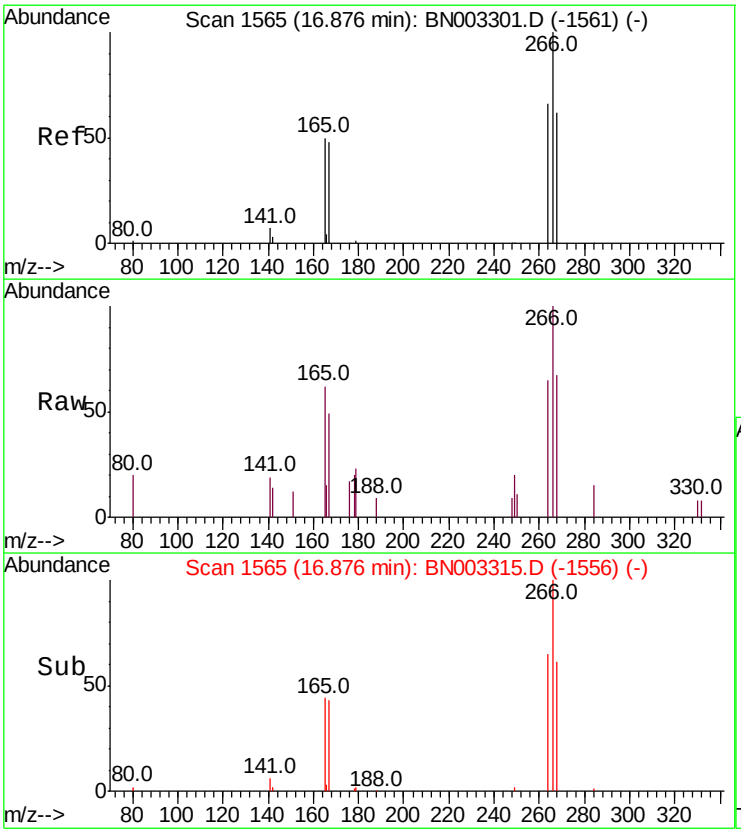
#21
Hexachlorobenzene
Concen: 0.091 ng
RT: 16.54 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:284 Resp: 4205

Ion	Ratio	Lower	Upper
284	100		
142	36.4	29.7	44.5
249	30.2	24.0	36.0

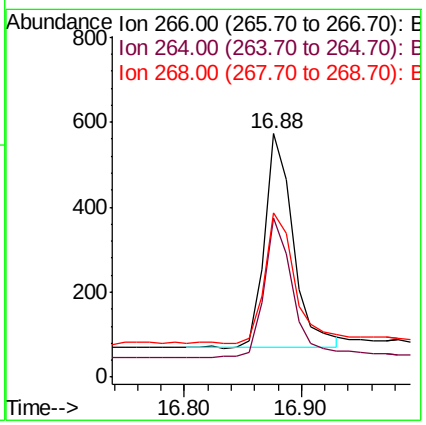


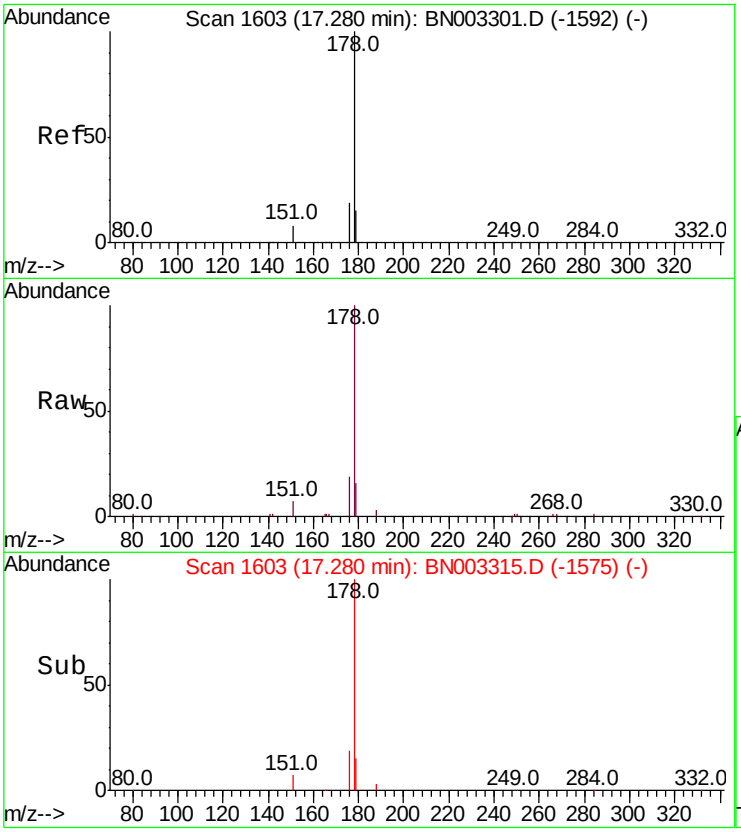


#22
Pentachlorophenol
Concen: 0.070 ng
RT: 16.88 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:266 Resp: 869

Ion	Ratio	Lower	Upper
266	100		
264	65.4	52.1	78.1
268	67.4	51.8	77.6



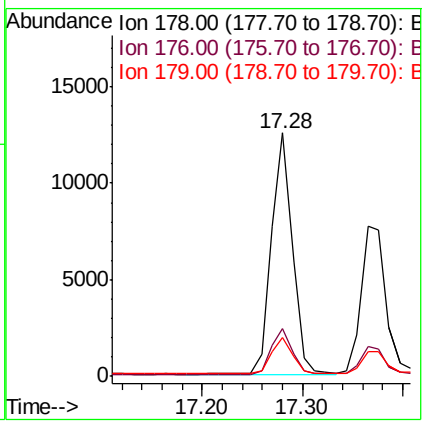


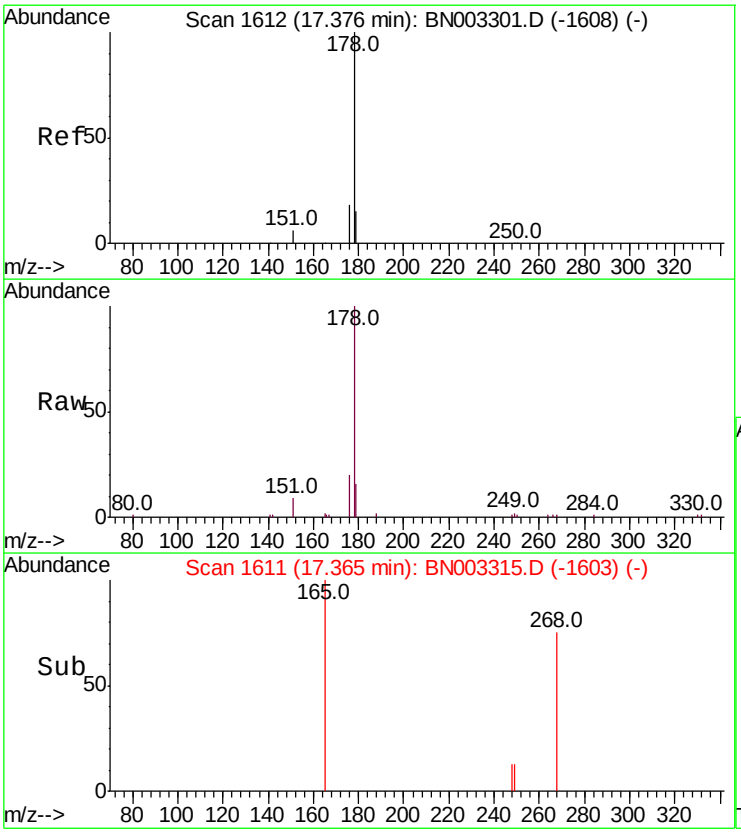
#23
Phenanthrene
Concen: 0.087 ng
RT: 17.28 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:178 Resp: 17980

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.7	12.4	18.6

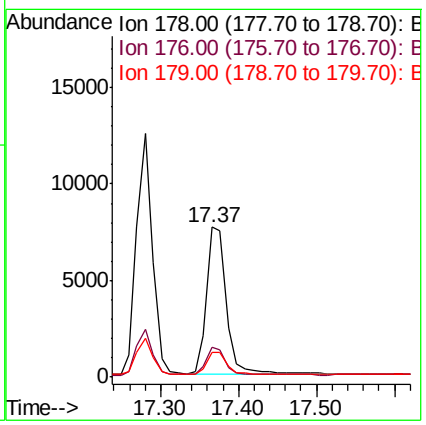


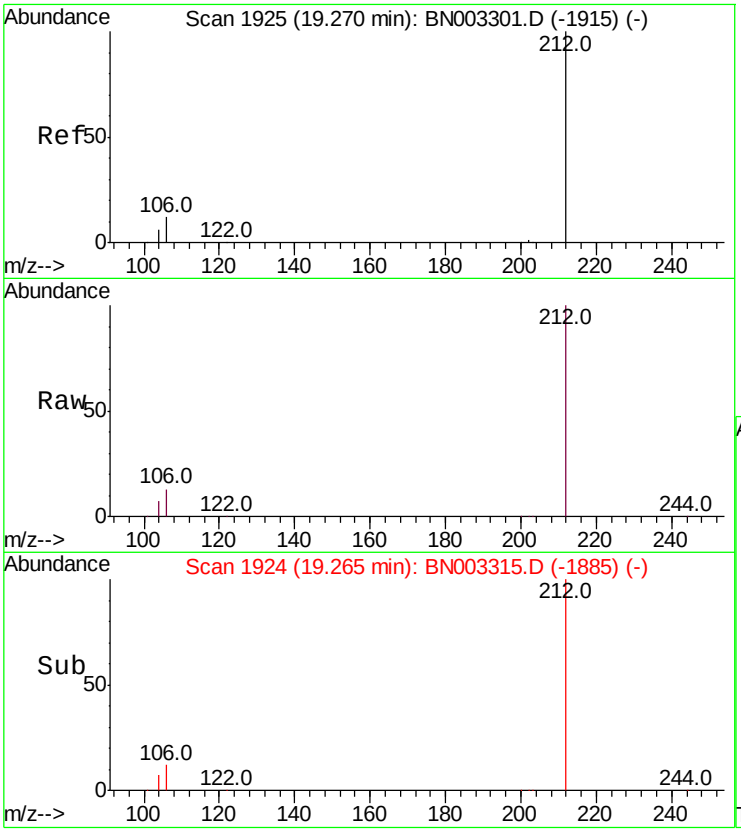


#24
Anthracene
Concen: 0.075 ng
RT: 17.37 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:178 Resp: 13223

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.5	21.7
179	15.4	12.2	18.4



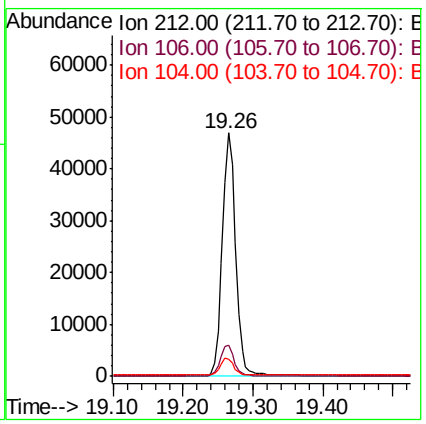


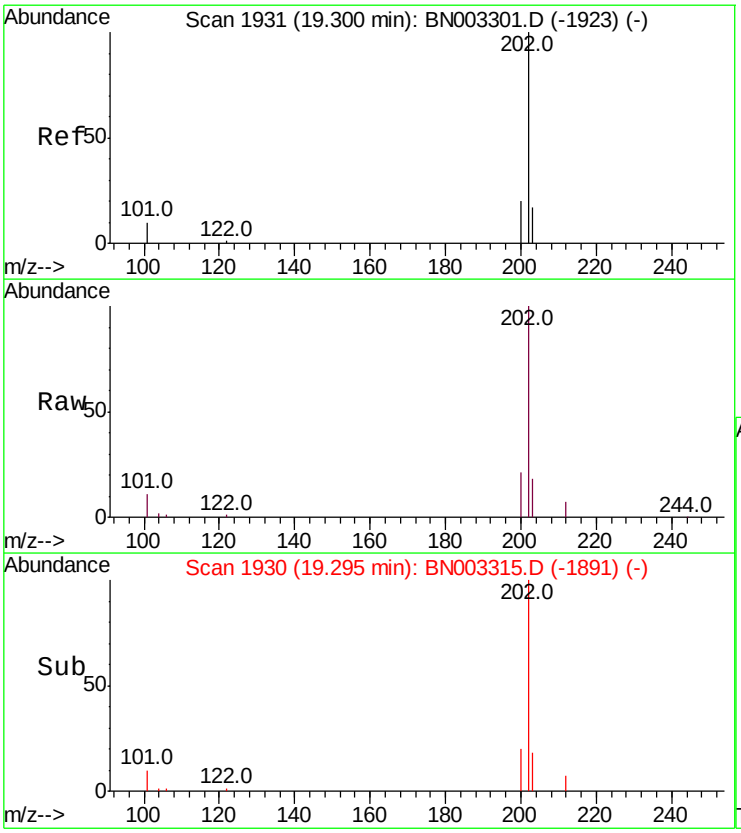
#25
Fluoranthene-d10
Concen: 0.284 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:212 Resp: 62161

Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.3	15.5
104	7.1	5.6	8.4

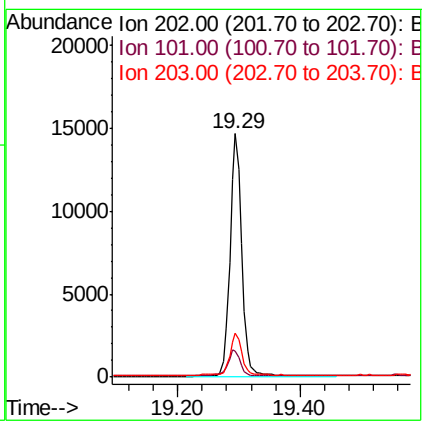


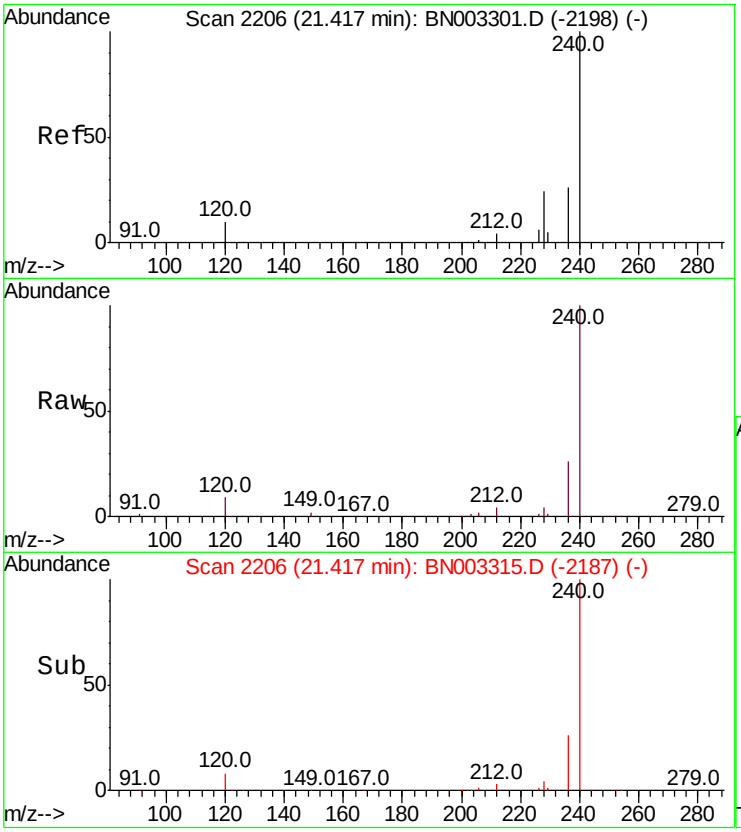


#26
Fluoranthene
Concen: 0.083 ng
RT: 19.29 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:202 Resp: 19729

Ion	Ratio	Lower	Upper
202	100		
101	11.5	9.0	13.4
203	16.8	13.8	20.6



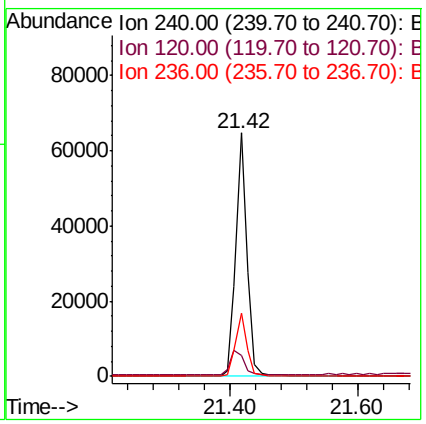


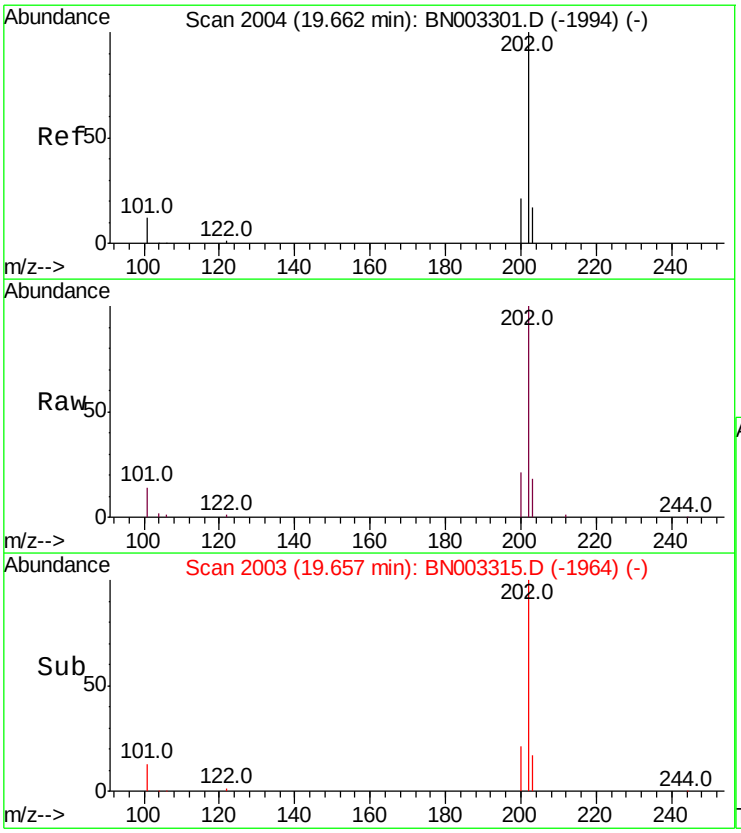
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:240 Resp: 79106

Ion	Ratio	Lower	Upper
240	100		
120	8.8	9.3	13.9#
236	26.0	21.0	31.4

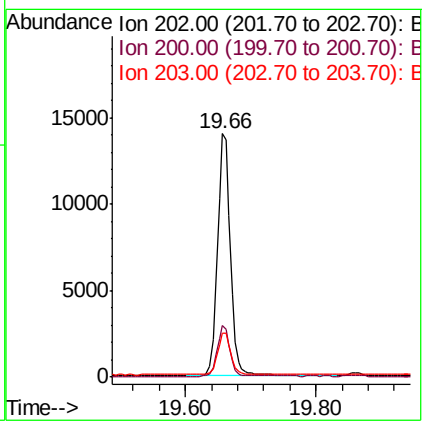


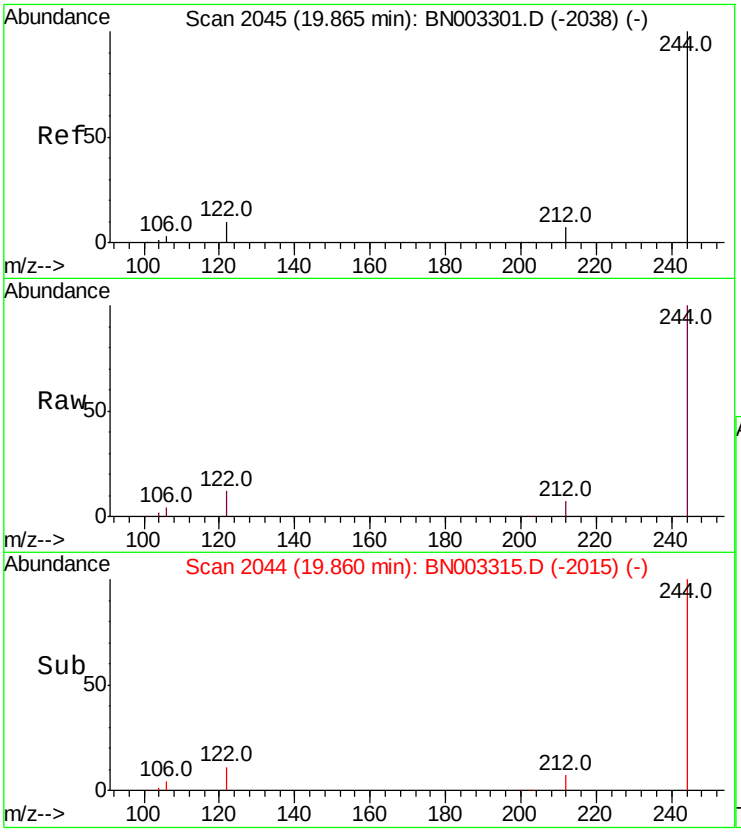


#28
Pyrene
Concen: 0.089 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:202 Resp: 19430

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.6	13.9	20.9



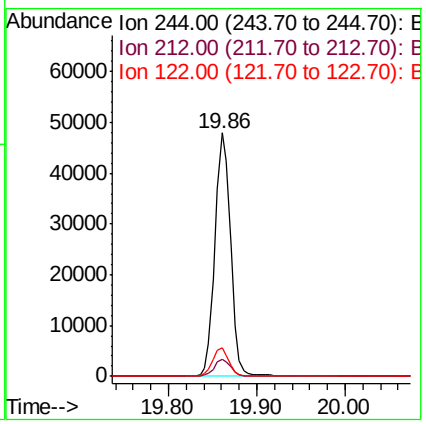


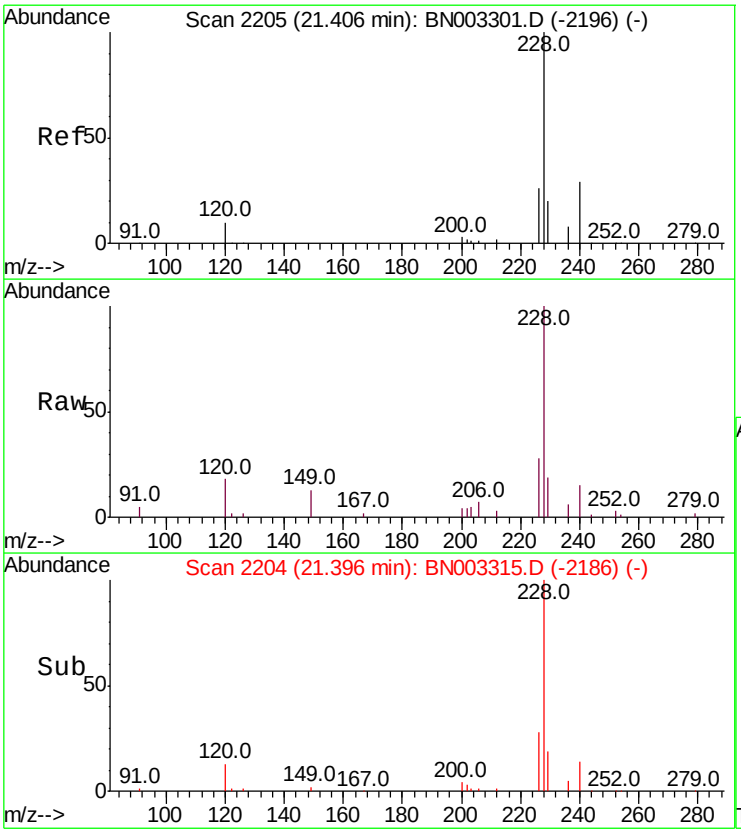
#29
Terphenyl-d14
Concen: 0.317 ng
RT: 19.86 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:244 Resp: 58304

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.5	8.5	12.7

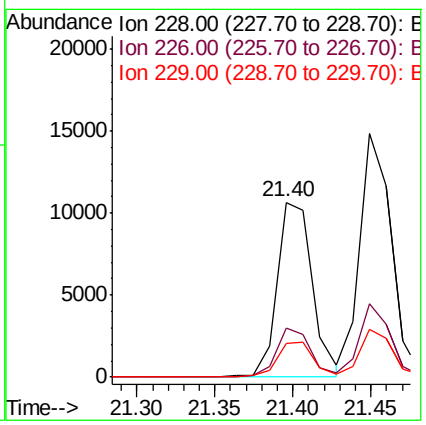


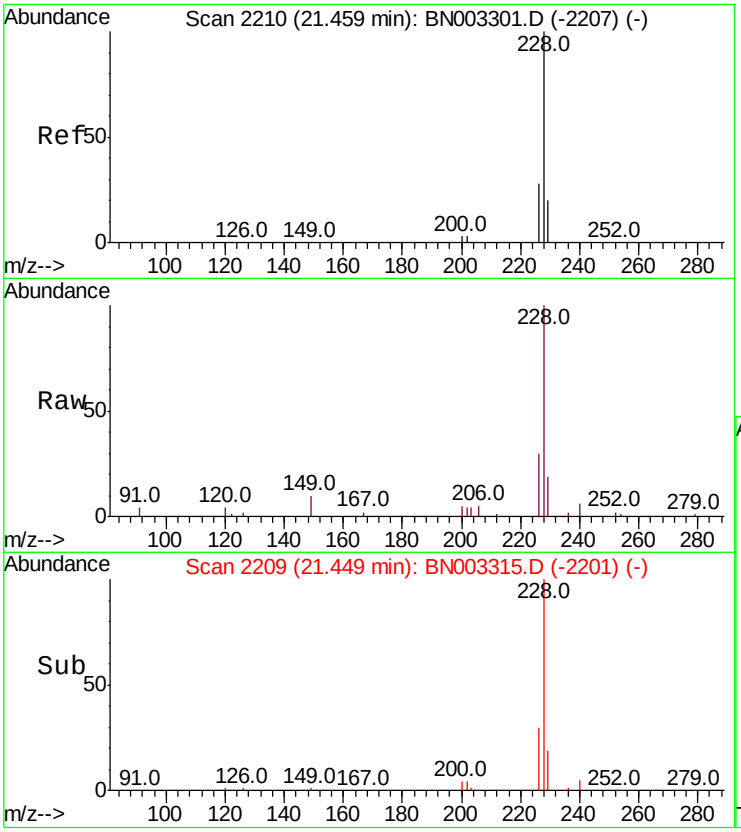


#30
Benzo(a)anthracene
Concen: 0.079 ng
RT: 21.40 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:228 Resp: 16374

Ion	Ratio	Lower	Upper
228	100		
226	28.0	20.8	31.2
229	19.1	16.1	24.1



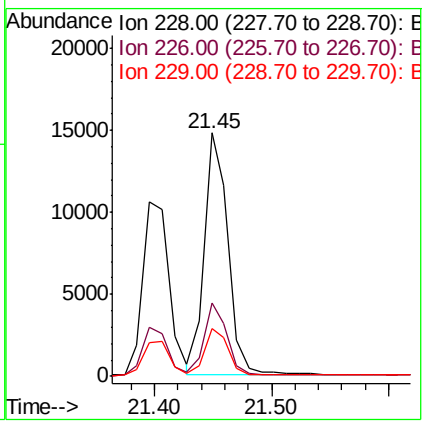


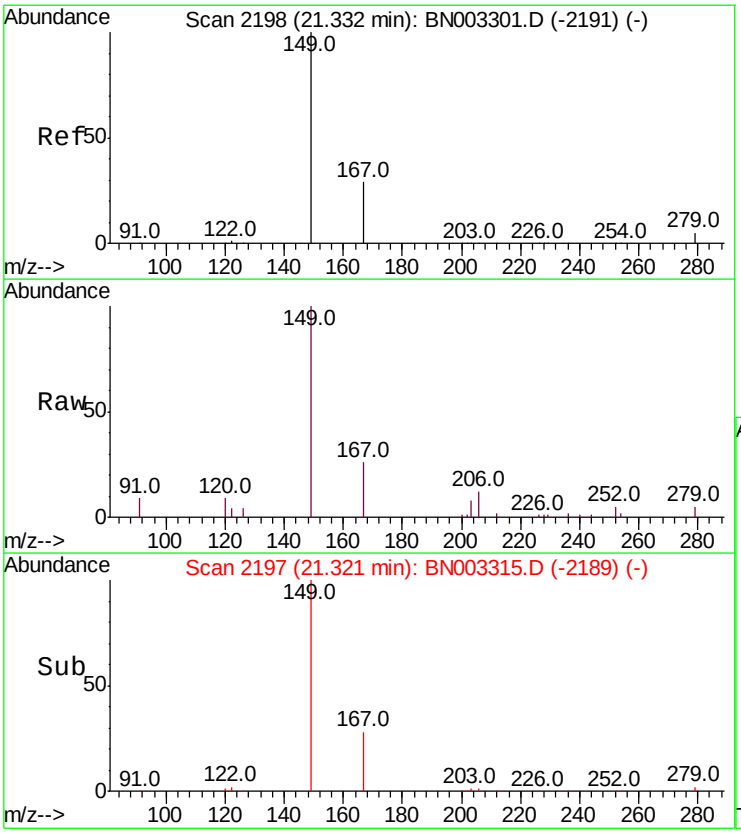
#31
Chrysene
Concen: 0.092 ng
RT: 21.45 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:228 Resp: 20613

Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.7	34.1
229	19.4	16.0	24.0

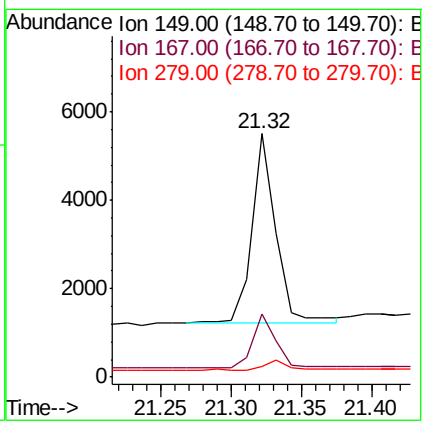


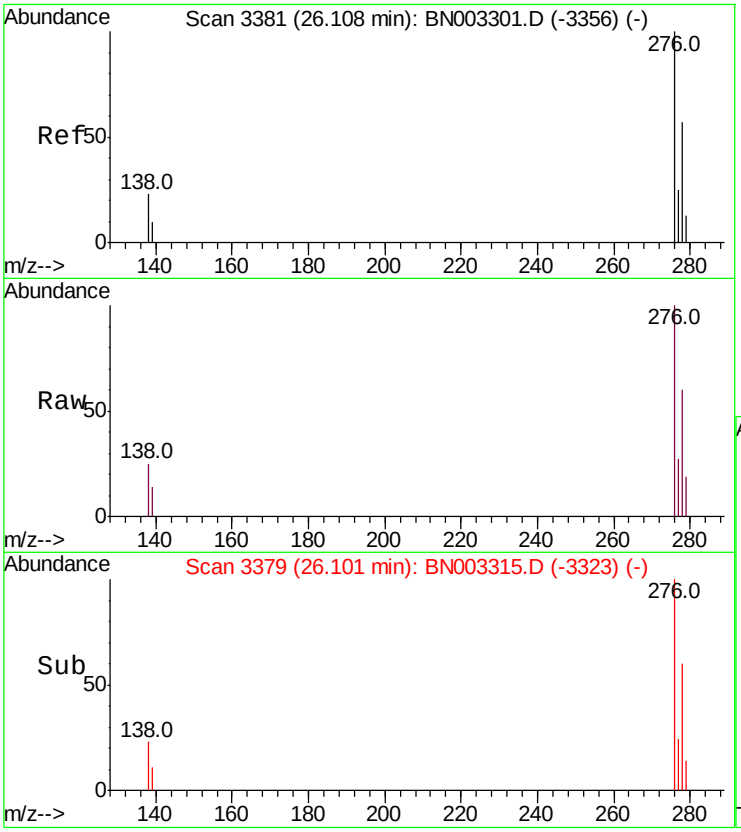


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.082 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:149 Resp: 5020

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.4	33.6
279	5.6	3.9	5.9



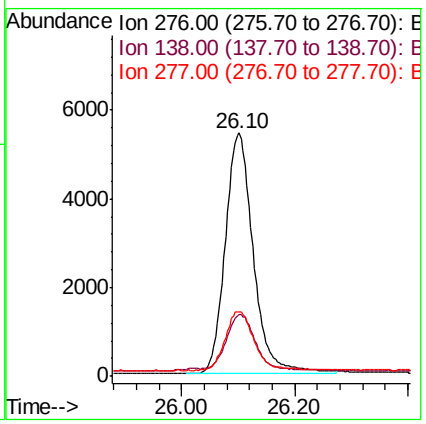


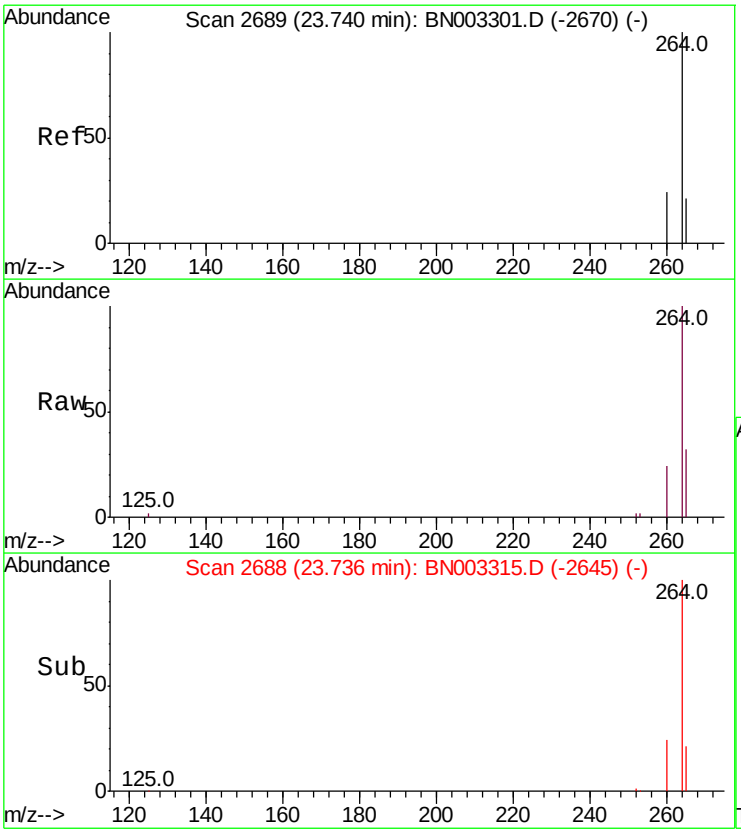
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.082 ng
RT: 26.10 min Scan# 3379
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:276 Resp: 18876

Ion	Ratio	Lower	Upper
276	100		
138	23.6	20.6	30.8
277	24.9	20.0	30.0

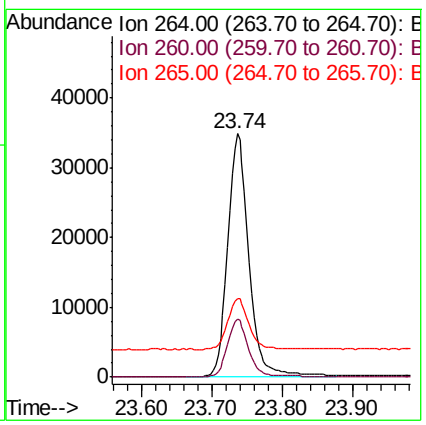


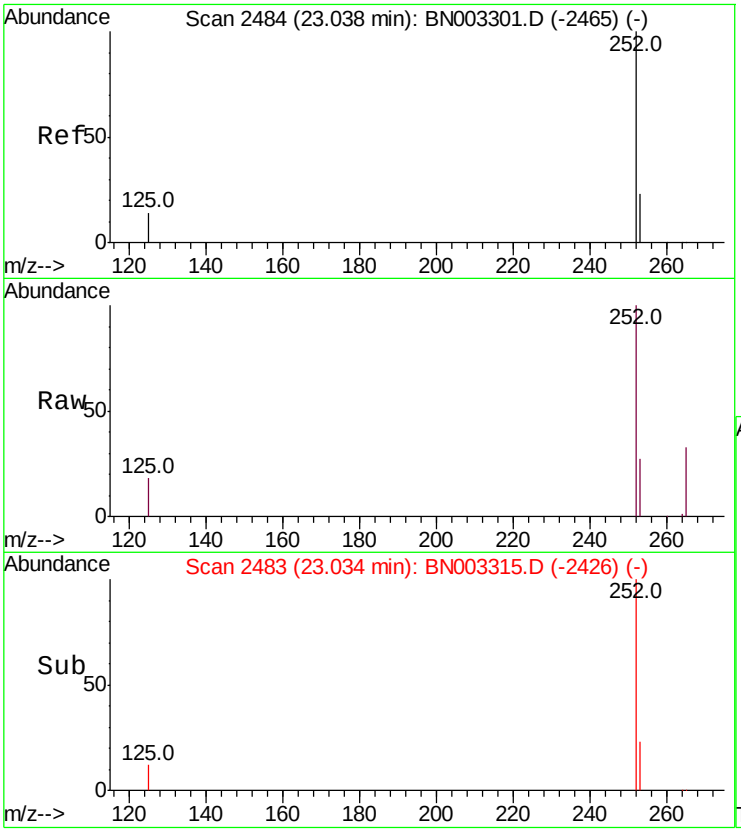


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2688
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:264 Resp: 72507

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	32.4	26.4	39.6



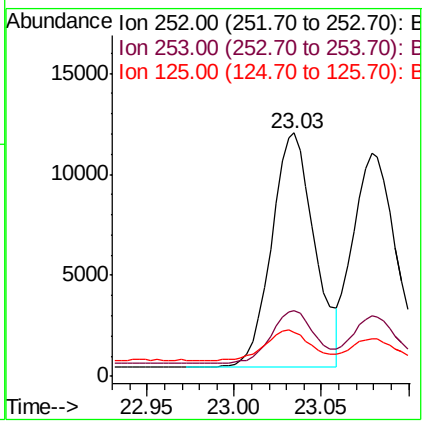


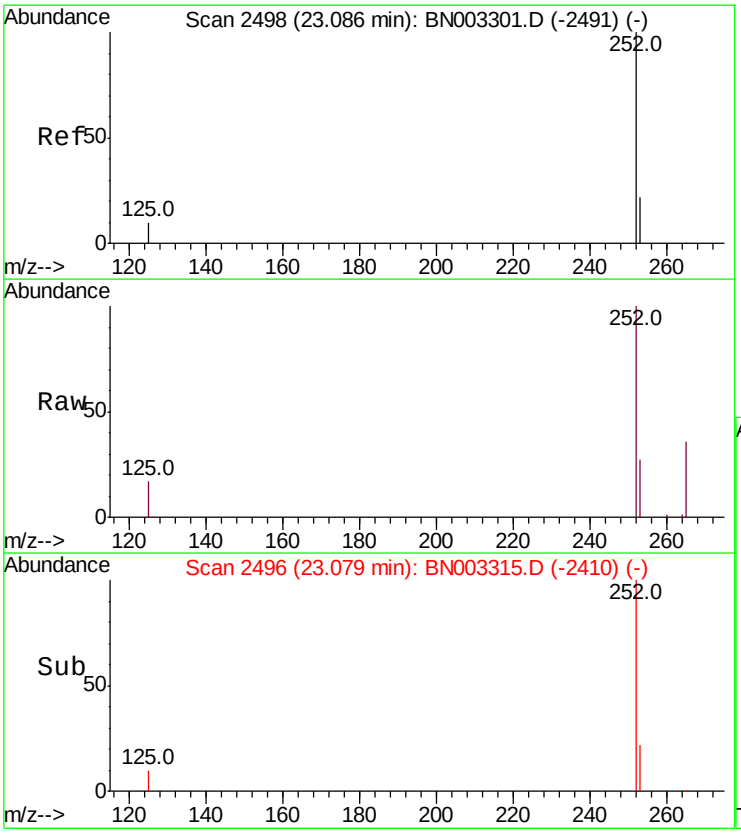
#35
Benzo(b)fluoranthene
Concen: 0.088 ng
RT: 23.03 min Scan# 2483
Delta R.T. -0.00 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:252 Resp: 19974

Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.3	28.9
125	18.1	12.7	19.1

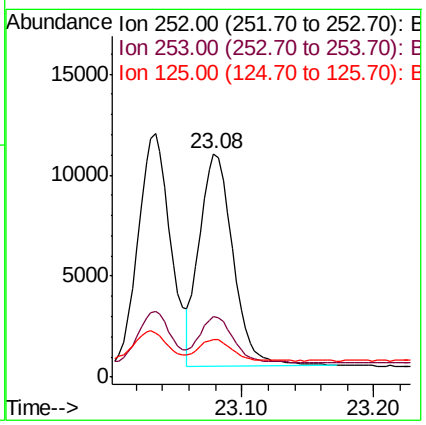


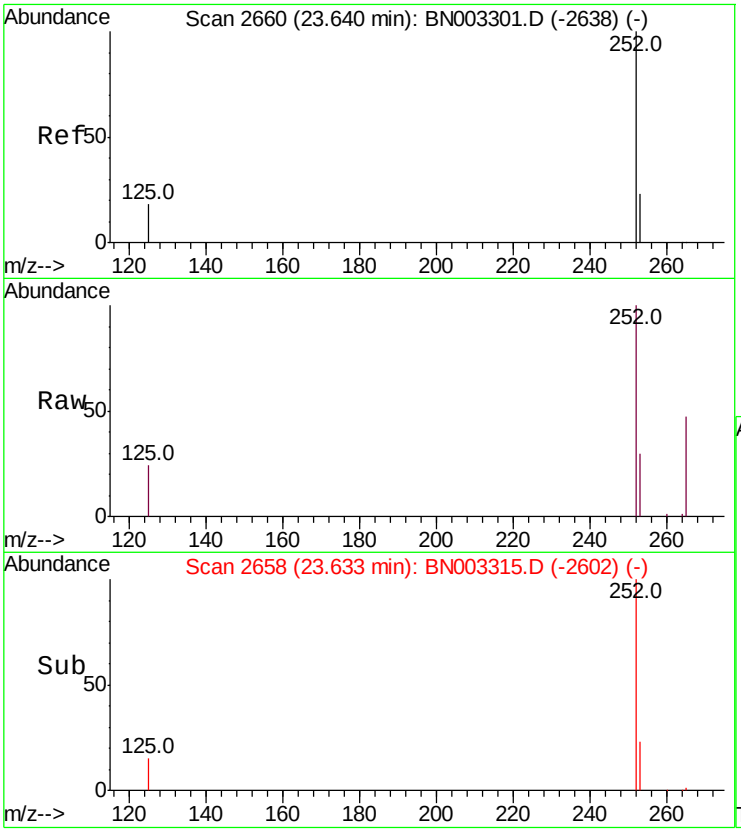


#36
Benzo(k)fluoranthene
Concen: 0.083 ng
RT: 23.08 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:252 Resp: 18533

Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.5	27.7
125	16.6	9.1	13.7#



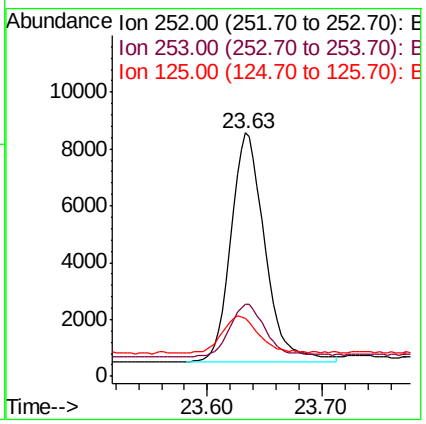


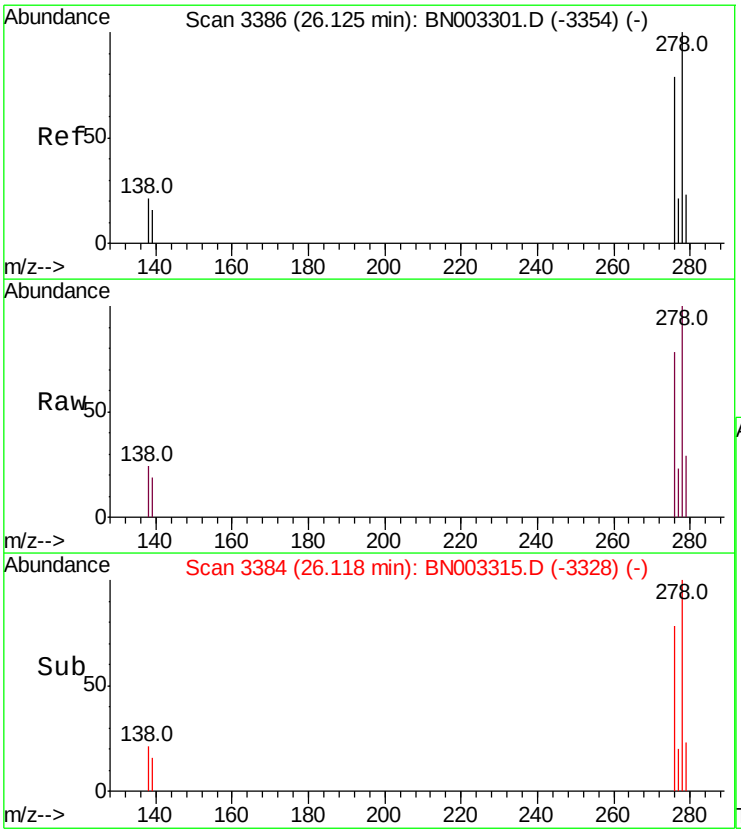
#37
Benzo(a)pyrene
Concen: 0.080 ng
RT: 23.63 min Scan# 2658
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:252 Resp: 16558

Ion	Ratio	Lower	Upper
252	100		
253	29.6	20.1	30.1
125	23.7	16.0	24.0

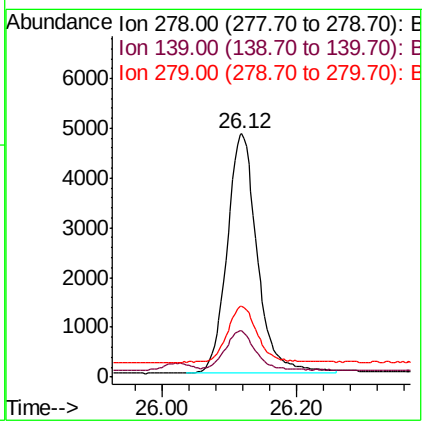


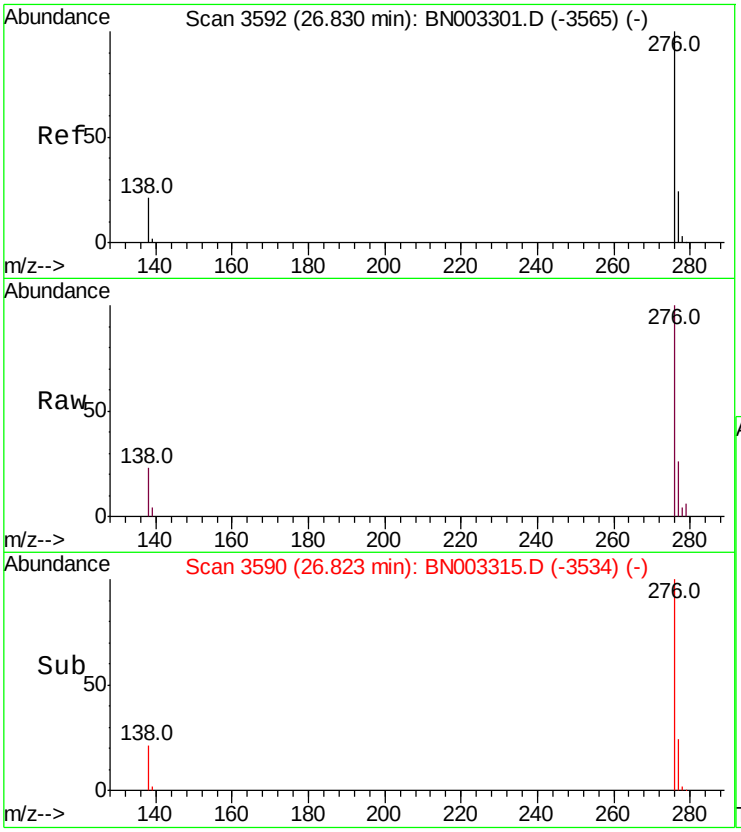


#38
Dibenzo(a,h)anthracene
Concen: 0.079 ng
RT: 26.12 min Scan# 3384
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Tgt Ion:278 Resp: 15153

Ion	Ratio	Lower	Upper
278	100		
139	18.8	13.5	20.3
279	29.0	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.086 ng
RT: 26.82 min Scan# 3590
Delta R.T. -0.01 min
Lab File: BN003315.D
Acq: 26 Oct 2018 21:13

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:276 Resp: 16549

Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.5	29.3
138	22.8	17.4	26.2