Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE102418\
Data File : BE098044.D
Acq On : 24 Oct 2018 18:36
Operator : SJ/JU
Sample : J5164-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 25 04:03:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 24 13:49:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1079	0.40	ng		0.00
7) Naphthalene-d8	10.68	136	5336	0.40	ng		0.00
13) Acenaphthene-d10	14.54	164	3798	0.40	ng		0.00
19) Phenanthrene-d10	17.29	188	9500	0.40	ng		0.00
27) Chrysene-d12	21.47	240	11194	0.40	ng		0.00
34) Perylene-d12	24.02	264	10994	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	1113	0.34	ng		0.00
5) Phenol-d6	7.06	99	1759	0.32	ng		0.00
8) Nitrobenzene-d5	9.03	82	1992	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	3019	0.32	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	566	0.30	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	5190	0.34	ng		0.00
25) Fluoranthene-d10	19.32	212	36812	0.30	ng		0.00
29) Terphenyl-d14	19.92	244	8111	0.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	197	0.119	ng	#	77
3) n-Nitrosodimethylamine	3.71	42	216	0.097	ng	#	50
6) bis(2-Chloroethyl)ether	7.30	93	357	0.094	ng		89
9) Naphthalene	10.73	128	4906	0.093	ng	#	95
10) Hexachlorobutadiene	11.02	225	337	0.094	ng		96
12) 2-Methylnaphthalene	12.35	142	906	0.094	ng	#	90
16) Acenaphthylene	14.26	152	1599	0.093	ng		99
17) Acenaphthene	14.60	154	991	0.095	ng		99
18) Fluorene	15.59	166	1292	0.092	ng		96
20) 4-Bromophenyl-phenylether	16.48	248	496	0.086	ng	#	77
21) Hexachlorobenzene	16.59	284	585	0.098	ng		94
22) Pentachlorophenol	16.96	266	45	0.090	ng	#	61
23) Phenanthrene	17.33	178	2108	0.090	ng		96
24) Anthracene	17.42	178	1990	0.087	ng		98
26) Fluoranthene	19.35	202	2613	0.090	ng		98
28) Pyrene	19.71	202	2787	0.090	ng		99
30) Benzo(a)anthracene	21.45	228	2991	0.090	ng		94
31) Chrysene	21.51	228	2800	0.087	ng		96
32) Bis(2-ethylhexyl)phthalate	21.38	149	7260	0.092	ng		99
33) Indeno(1,2,3-cd)pyrene	26.72	276	3158	0.090	ng	#	79
35) Benzo(b)fluoranthene	23.24	252	2839	0.093	ng	#	88
36) Benzo(k)fluoranthene	23.29	252	2888	0.091	ng	#	92
37) Benzo(a)pyrene	23.91	252	2658	0.089	ng	#	88
38) Dibenzo(a,h)anthracene	26.75	278	2607	0.089	ng	#	87
39) Benzo(g,h,i)perylene	27.55	276	1394	0.048	ng	#	90

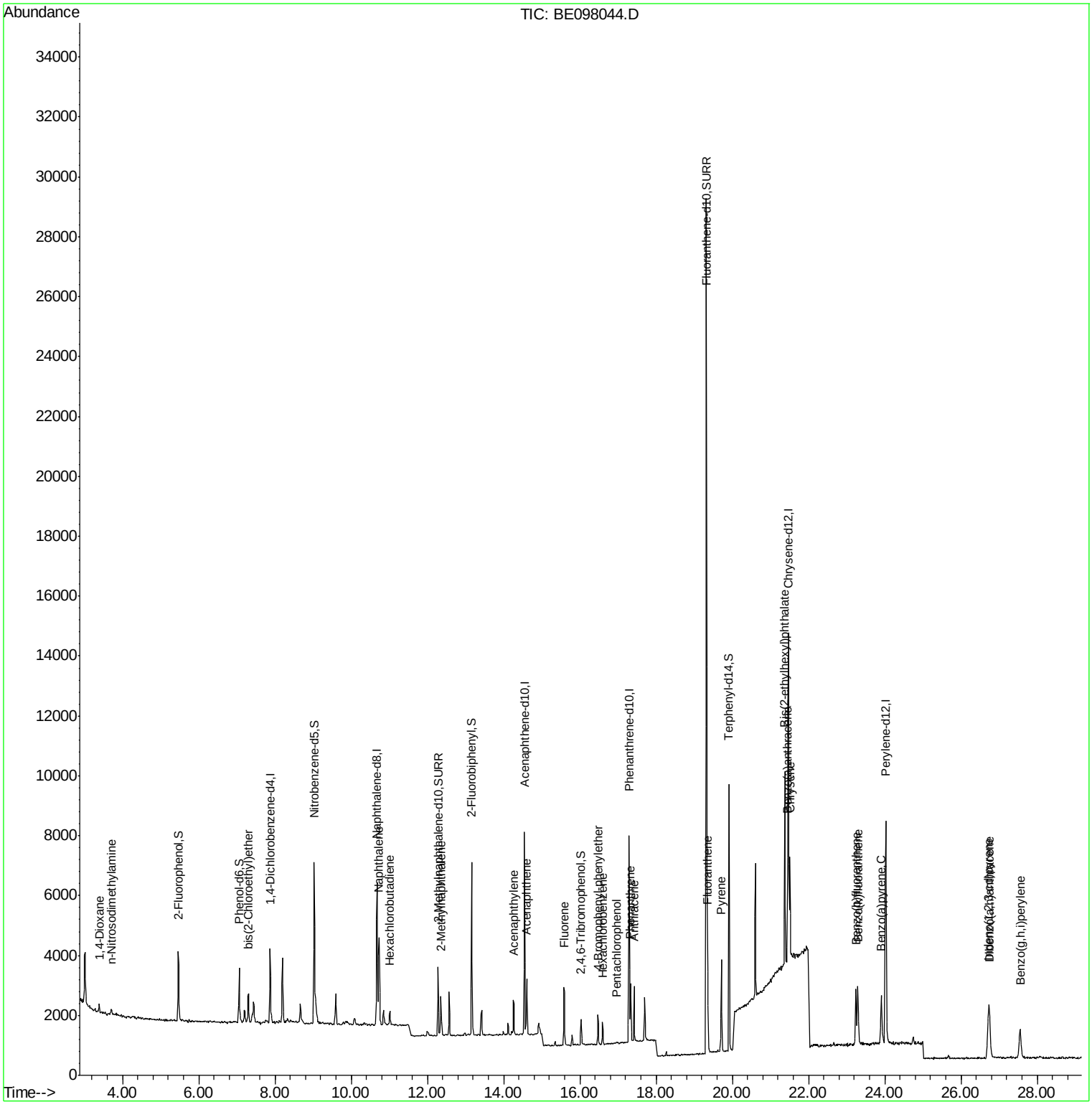
(#) = qualifier out of range (m) = manual integration (+) = signals summed

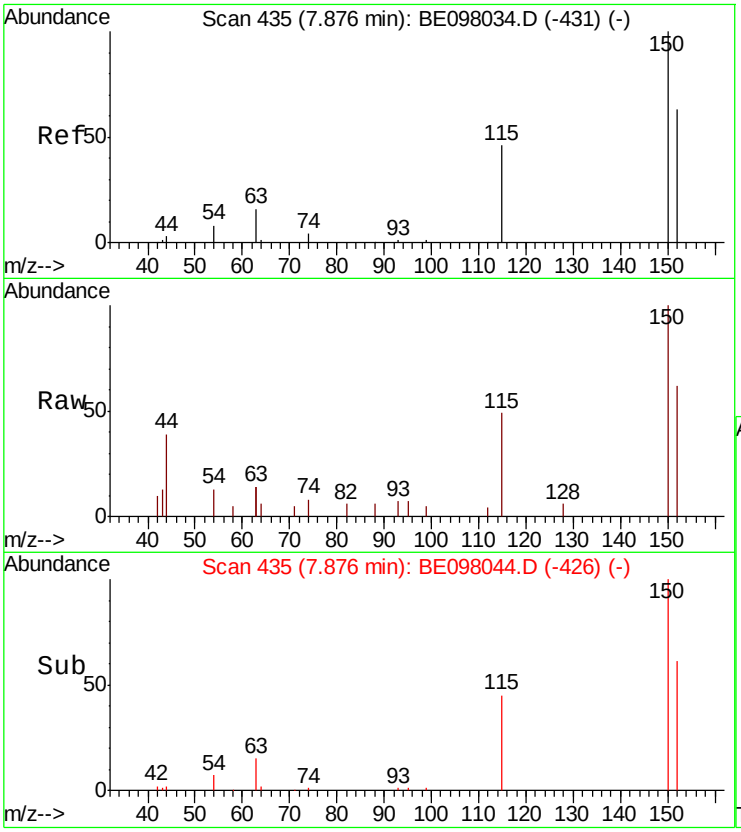
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE102418\
Data File : BE098044.D
Acq On : 24 Oct 2018 18:36
Operator : SJ/JU
Sample : J5164-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 25 04:03:21 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 24 13:49:35 2018
Response via : Initial Calibration



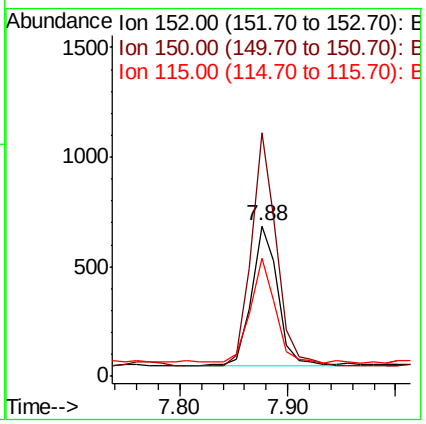


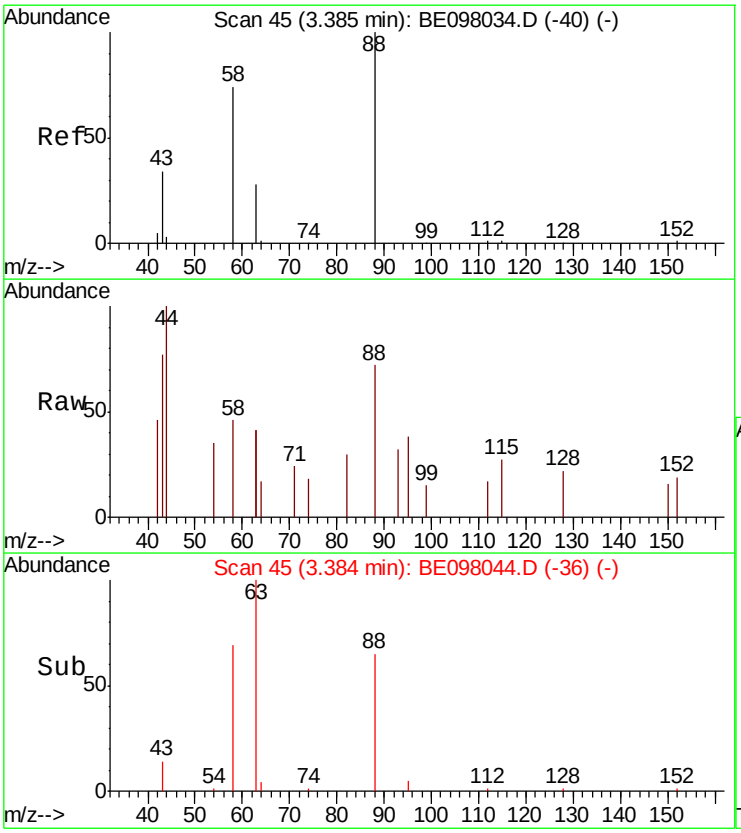
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:152 Resp: 1079

Ion	Ratio	Lower	Upper
152	100		
150	162.0	118.2	177.4
115	78.9	50.9	76.3#

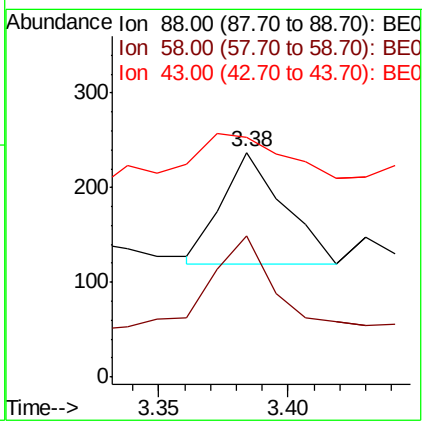


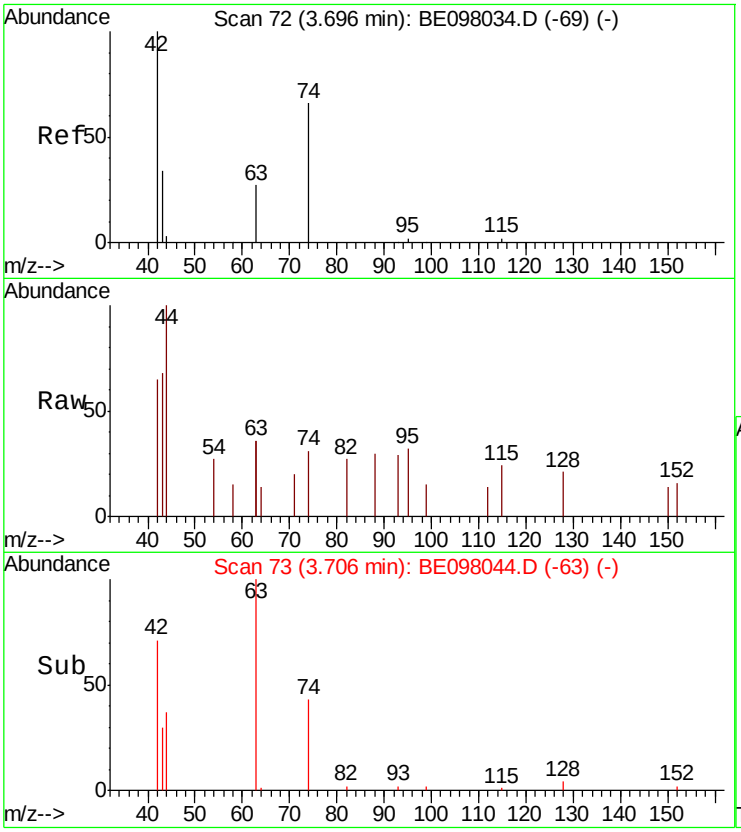


#2
1,4-Dioxane
Concen: 0.119 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion: 88 Resp: 197

Ion	Ratio	Lower	Upper
88	100		
58	78.7	73.2	109.8
43	74.1	36.9	55.3#



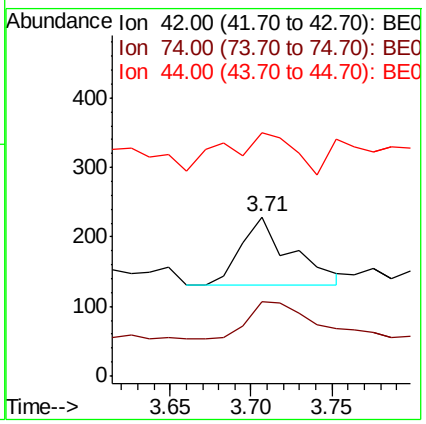


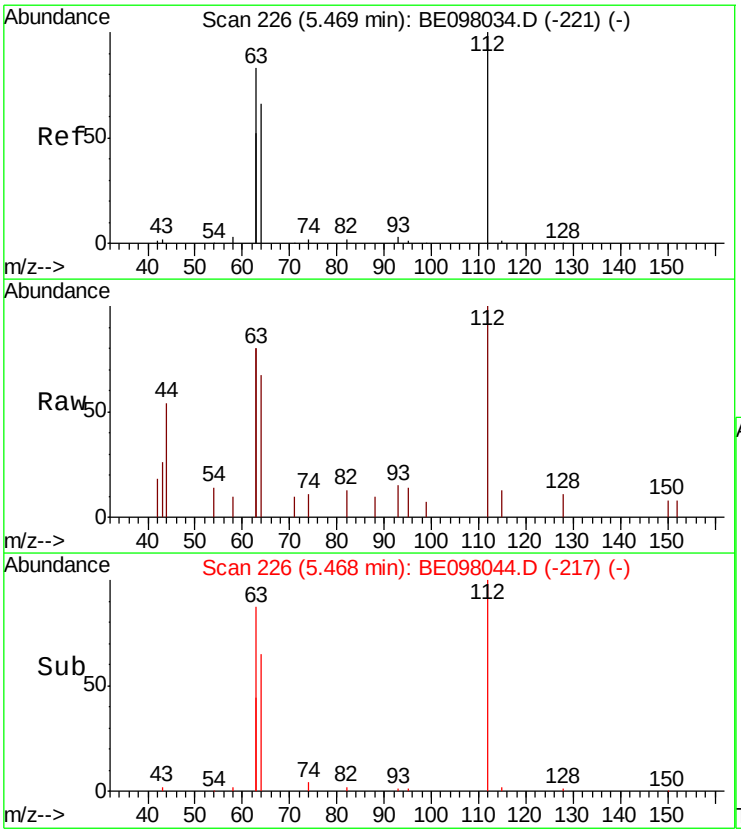
#3
n-Nitrosodimethylamine
Concen: 0.097 ng
RT: 3.71 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 42 Resp: 216

Ion	Ratio	Lower	Upper
42	100		
74	62.0	77.6	116.4#
44	82.4	7.6	11.4#

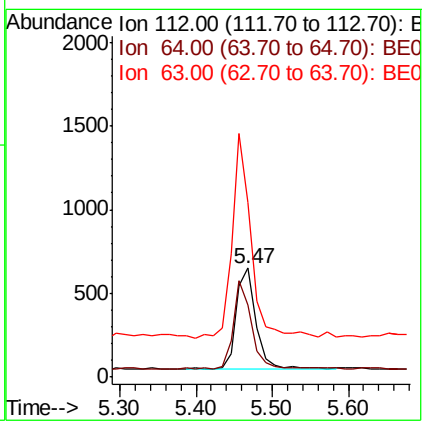


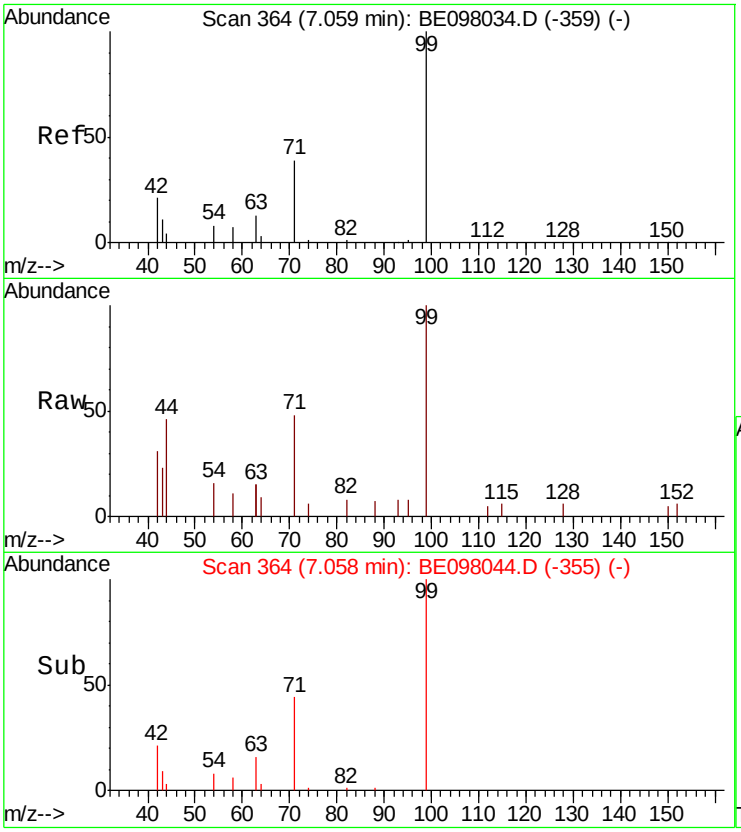


#4
2-Fluorophenol
Concen: 0.341 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:112 Resp: 1113

Ion	Ratio	Lower	Upper
112	100		
64	79.0	58.9	88.3
63	191.1	120.3	180.5#



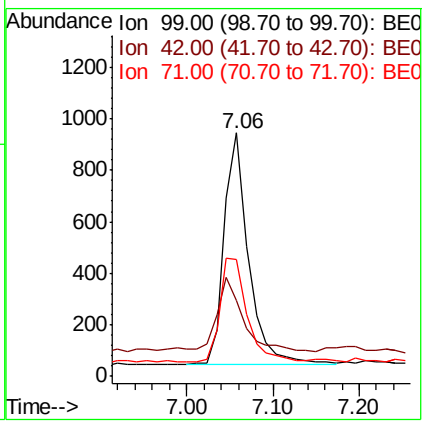


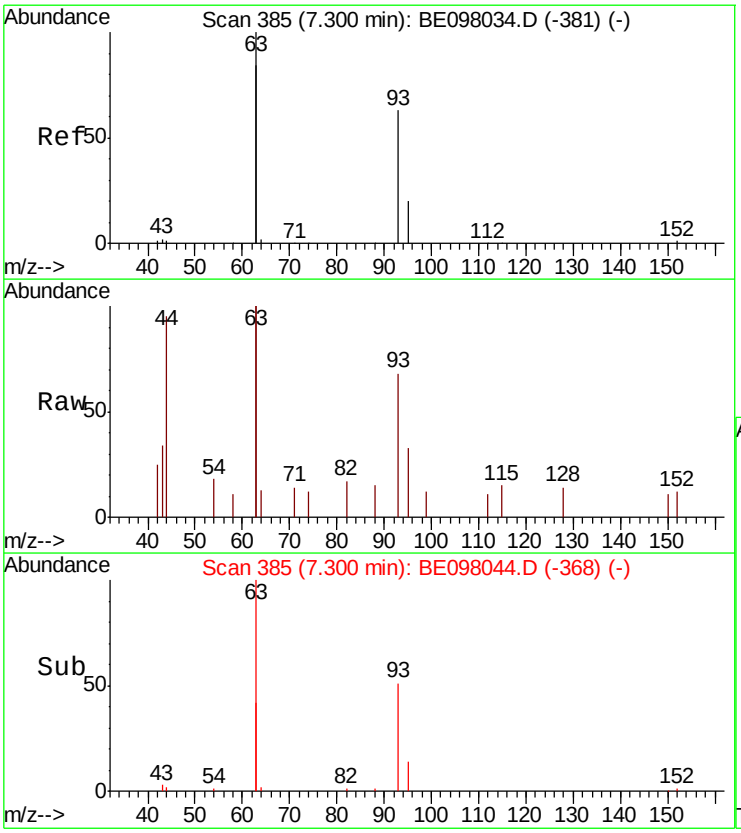
#5
Phenol-d6
Concen: 0.323 ng
RT: 7.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 99 Resp: 1759

Ion	Ratio	Lower	Upper
99	100		
42	34.1	19.9	29.9#
71	49.9	27.8	41.8#

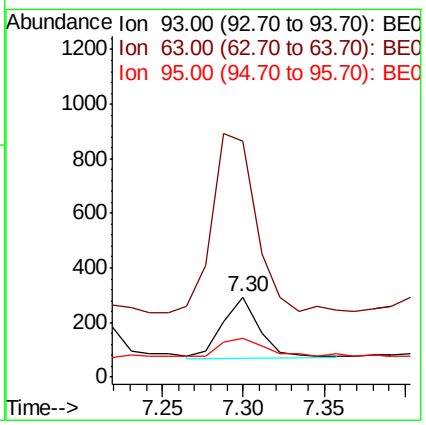


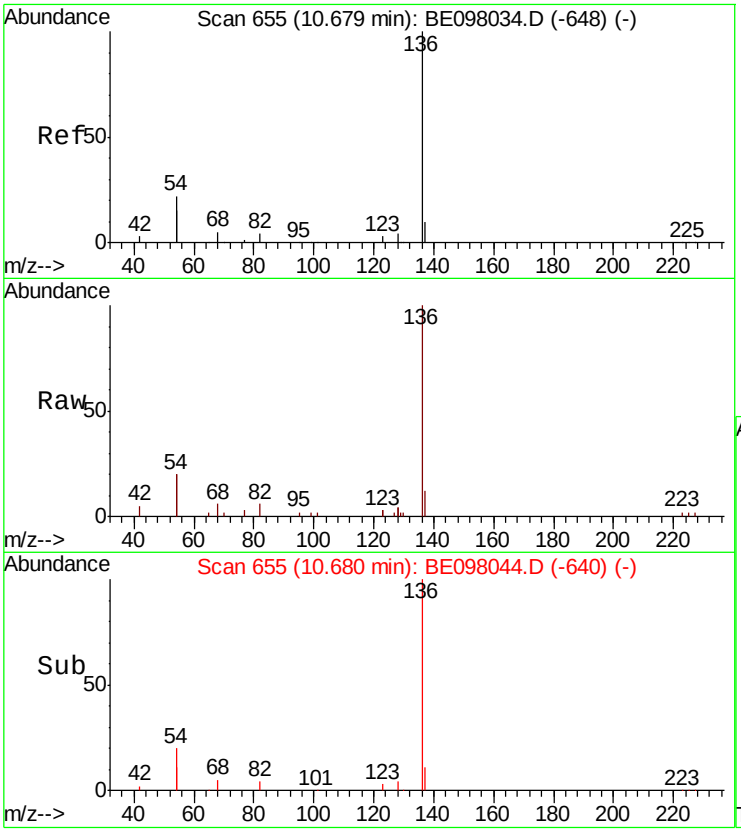


#6
bis(2-Chloroethyl)ether
Concen: 0.094 ng
RT: 7.30 min Scan# 385
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion: 93 Resp: 357

Ion	Ratio	Lower	Upper
93	100		
63	346.8	259.0	388.4
95	40.3	27.8	41.8



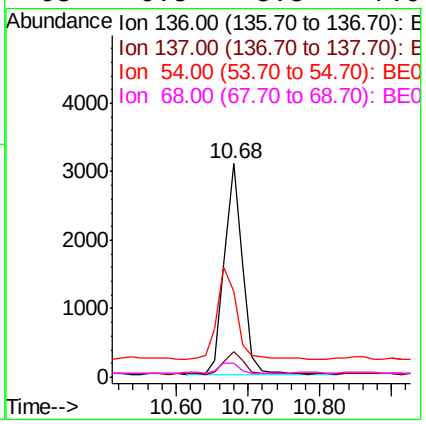


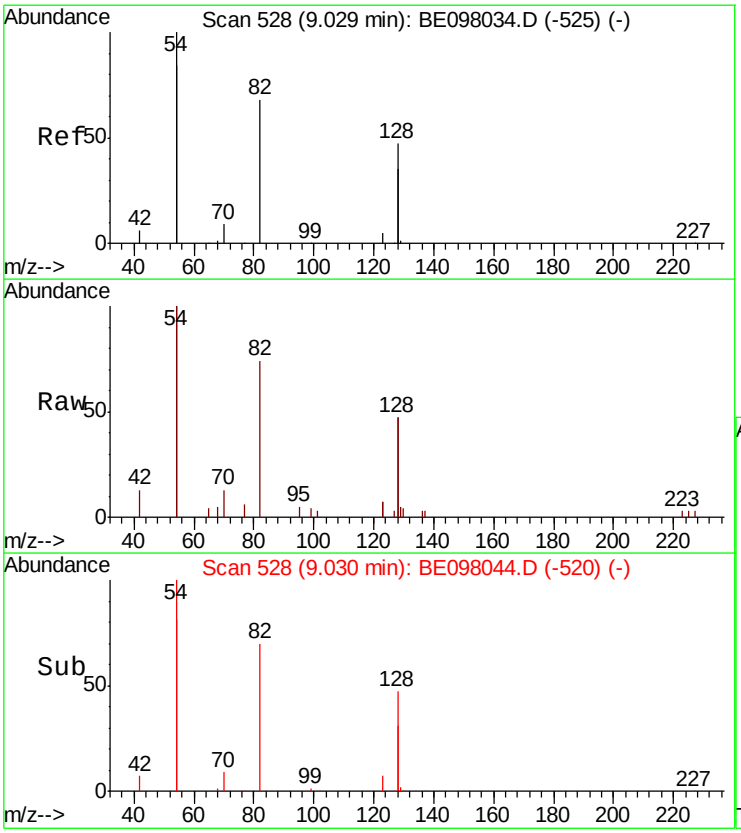
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:136 Resp: 5336

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.6	14.4
54	40.0	27.7	41.5
68	6.5	5.3	7.9

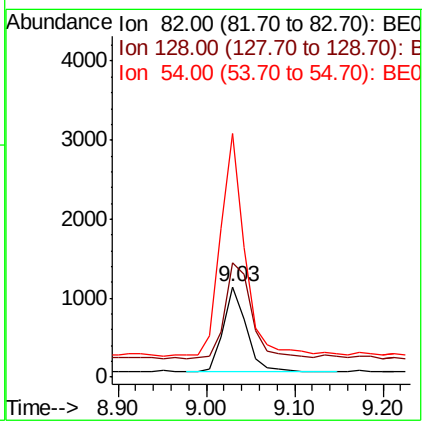


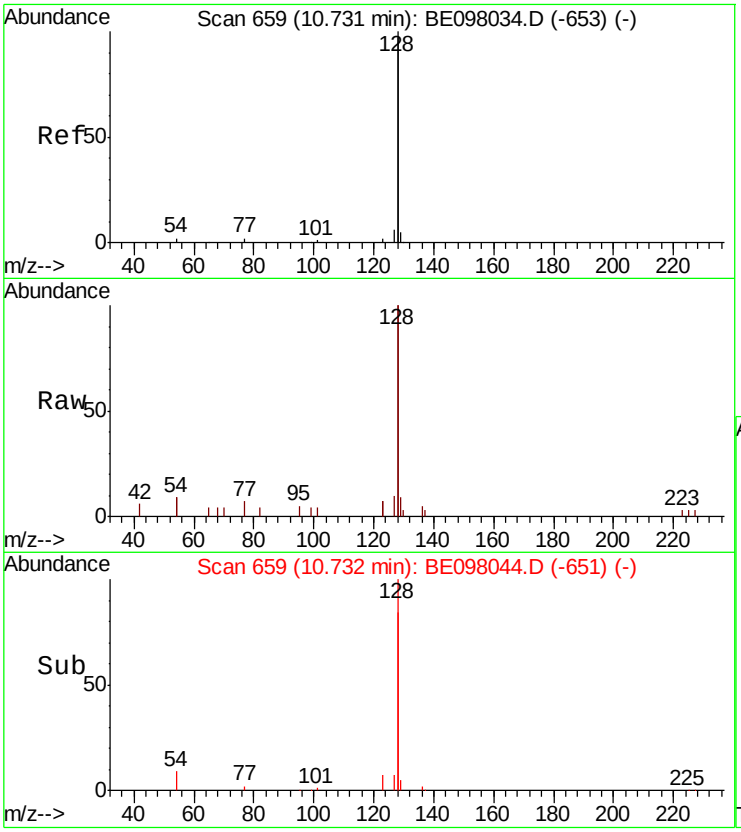


#8
Nitrobenzene-d5
Concen: 0.351 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion: 82 Resp: 1992

Ion	Ratio	Lower	Upper
82	100		
128	126.9	129.9	194.9#
54	269.6	174.0	261.0#



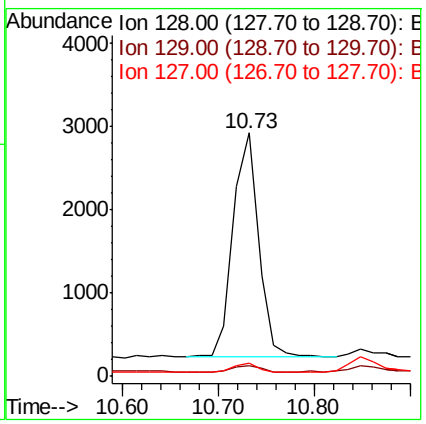


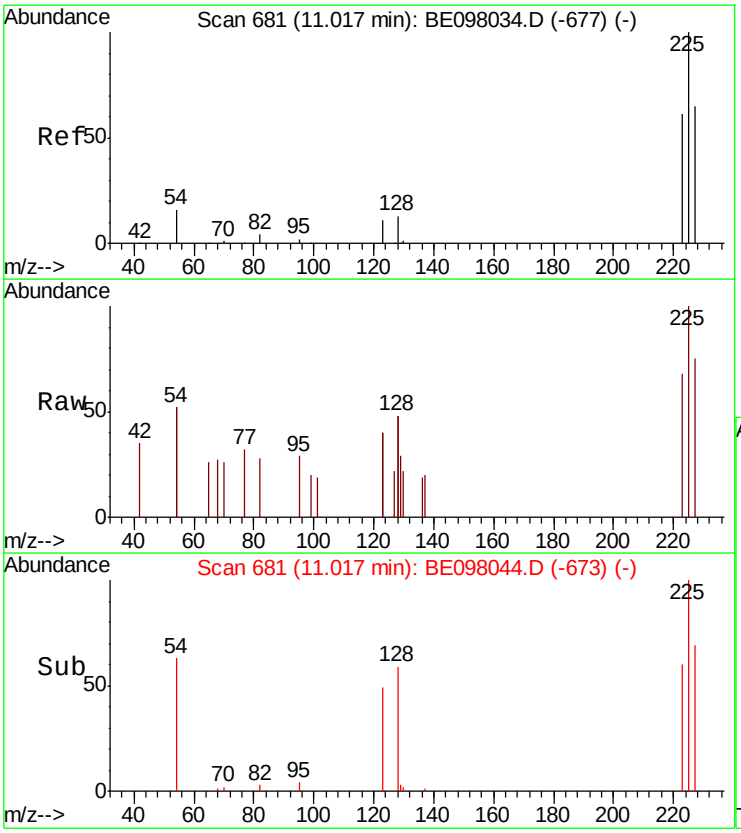
#9
Naphthalene
Concen: 0.093 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:128 Resp: 4906

Ion	Ratio	Lower	Upper
128	100		
129	4.5	2.5	3.7#
127	5.2	2.8	4.2#

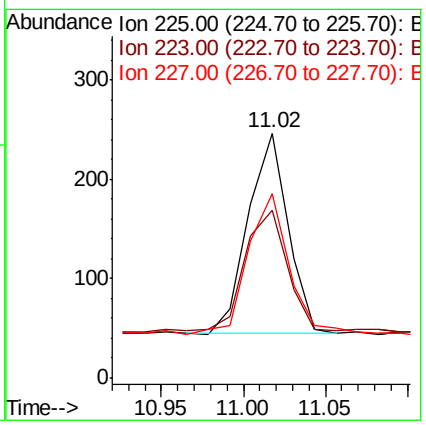


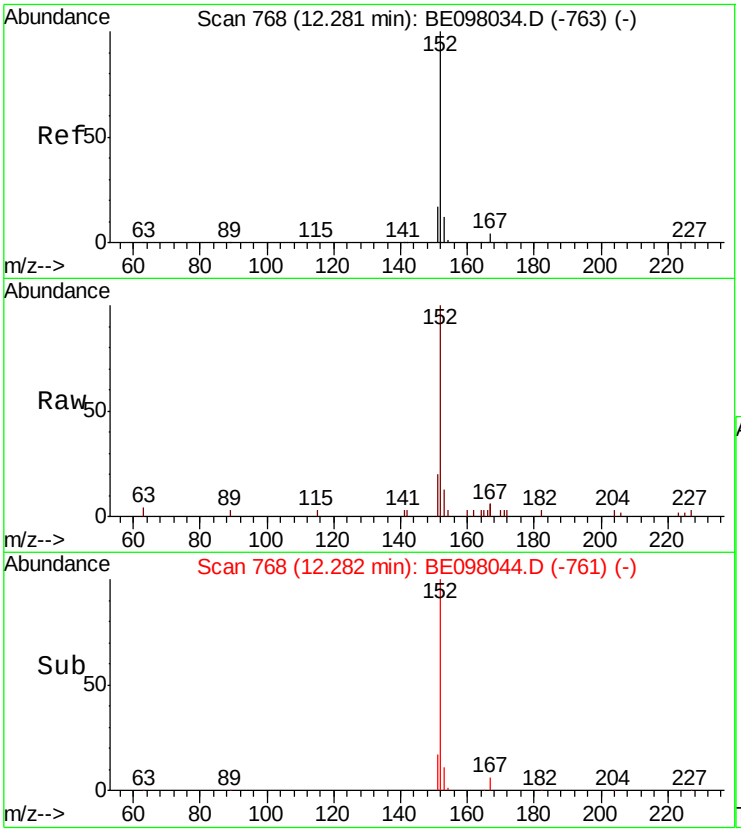


#10
Hexachlorobutadiene
Concen: 0.094 ng
RT: 11.02 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:225 Resp: 337

Ion	Ratio	Lower	Upper
225	100		
223	66.2	51.8	77.8
227	70.6	53.0	79.6



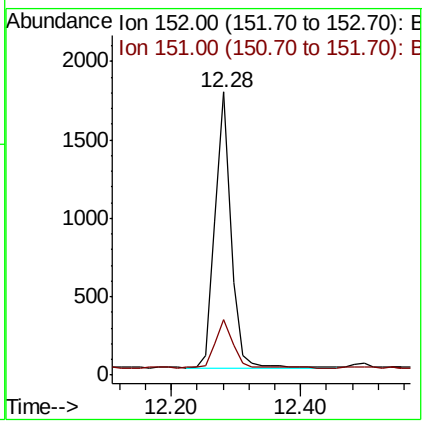


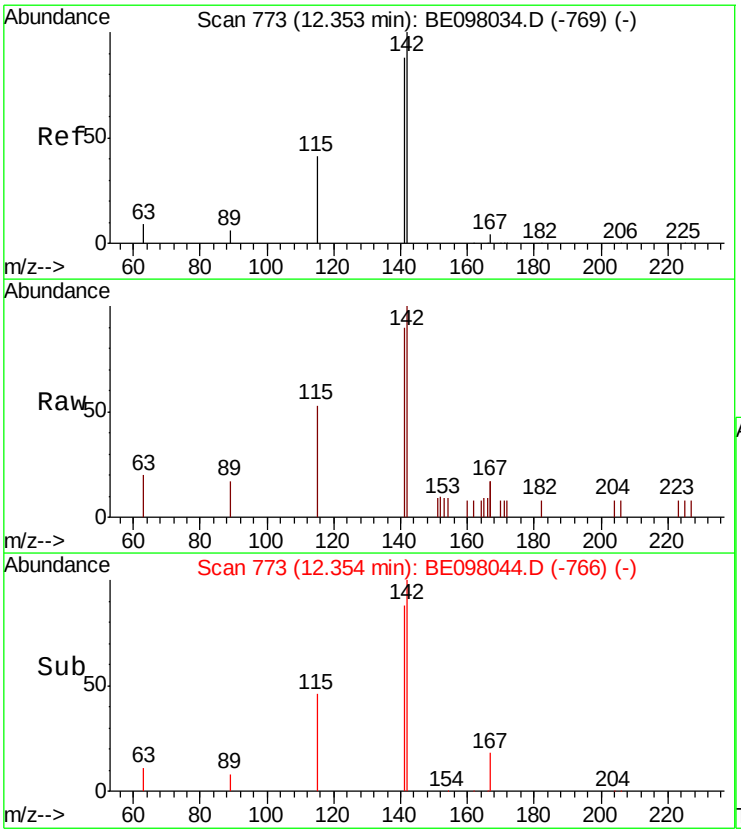
#11
2-Methylnaphthalene-d10
Concen: 0.319 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:152 Resp: 3019

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4

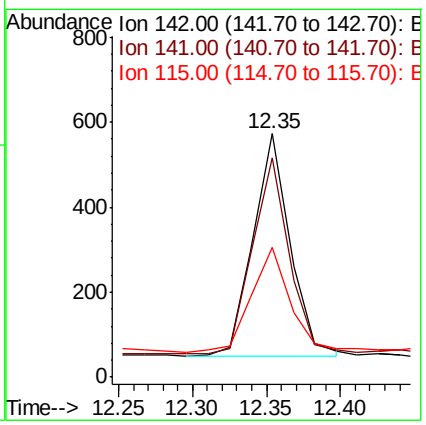


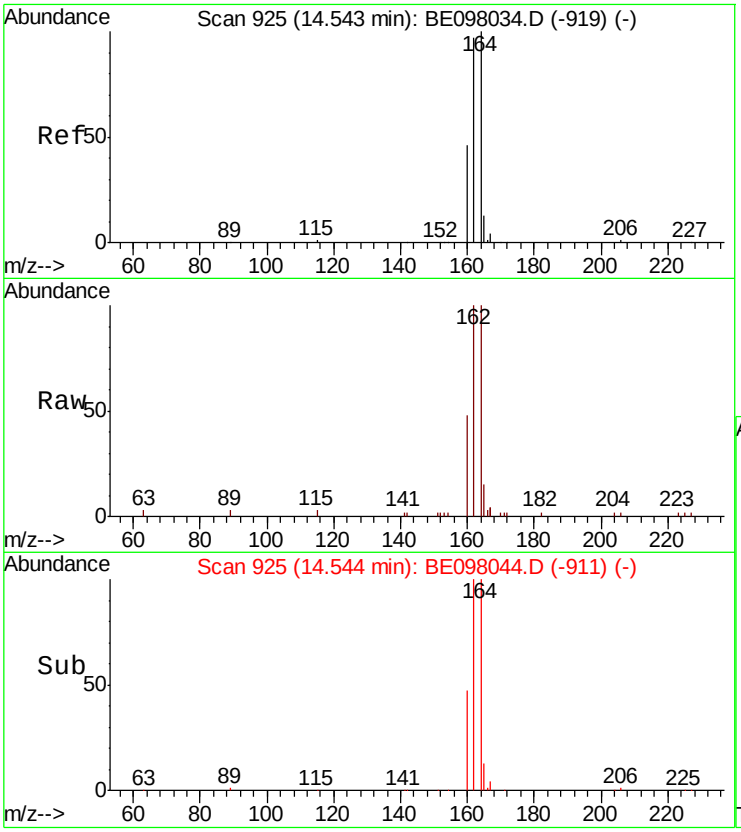


#12
2-Methylnaphthalene
Concen: 0.094 ng
RT: 12.35 min Scan# 773
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:142 Resp: 906

Ion	Ratio	Lower	Upper
142	100		
141	89.9	69.8	104.6
115	53.1	30.5	45.7#



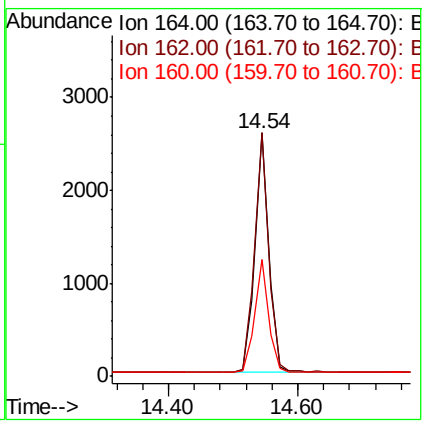


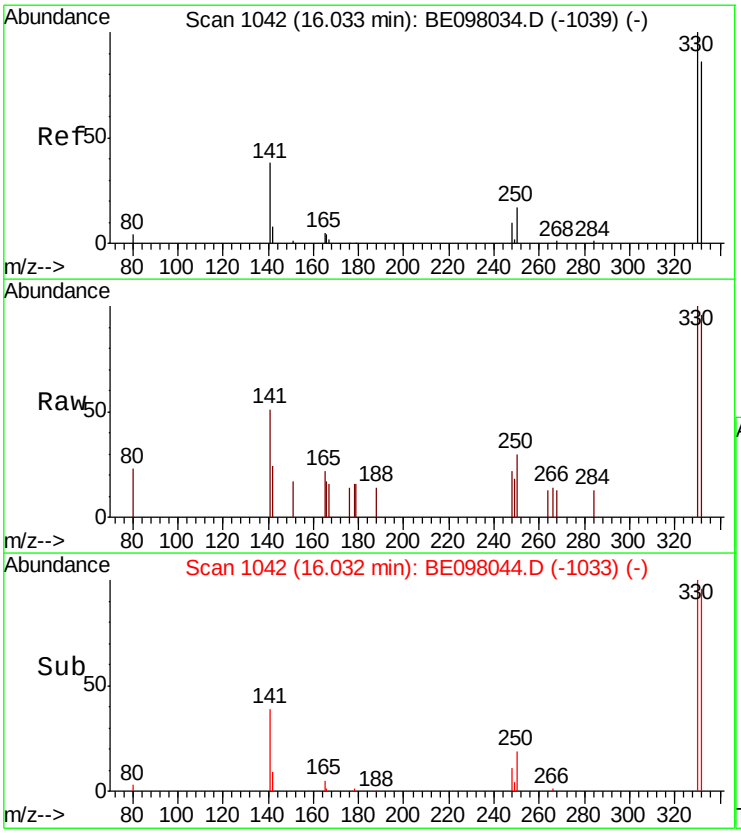
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:164 Resp: 3798

Ion	Ratio	Lower	Upper
164	100		
162	100.0	77.4	116.2
160	47.9	36.5	54.7

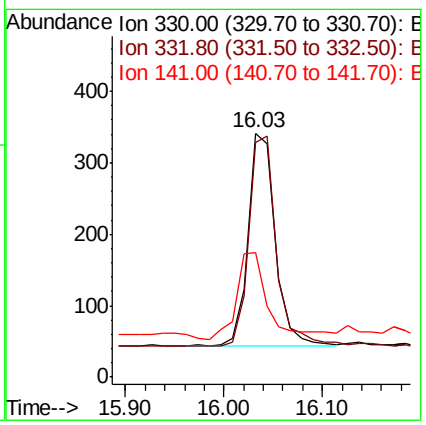


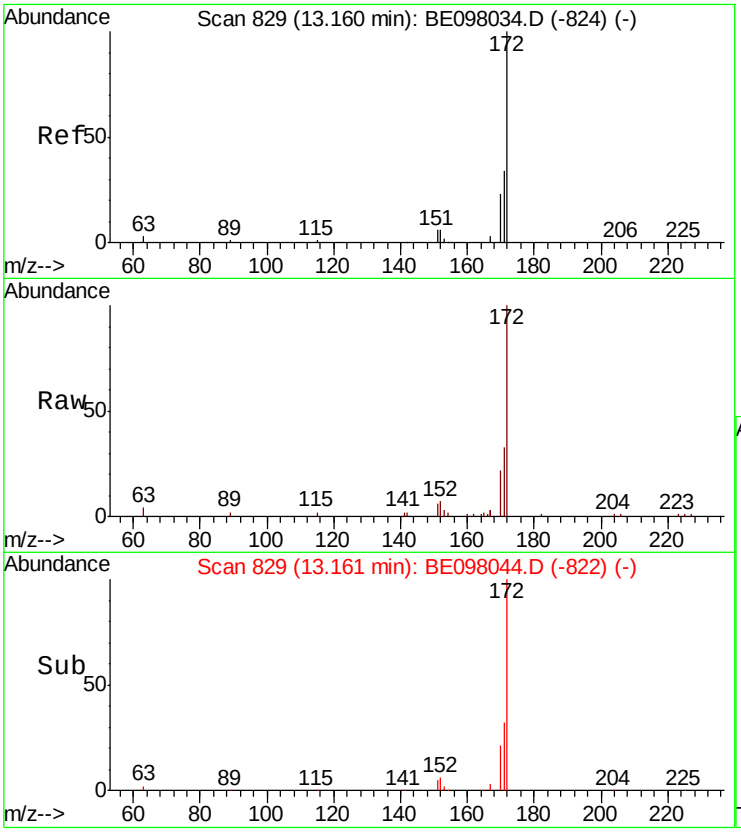


#14
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:330 Resp: 566

Ion	Ratio	Lower	Upper
330	100		
332	102.5	76.5	114.7
141	46.5	31.8	47.6



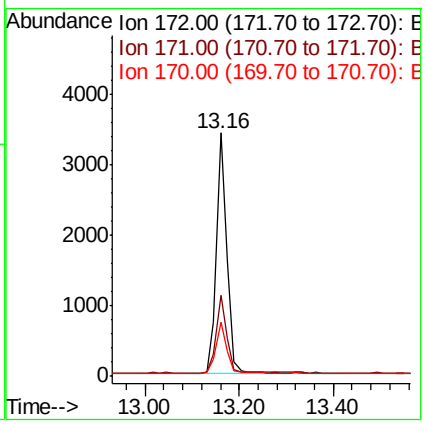


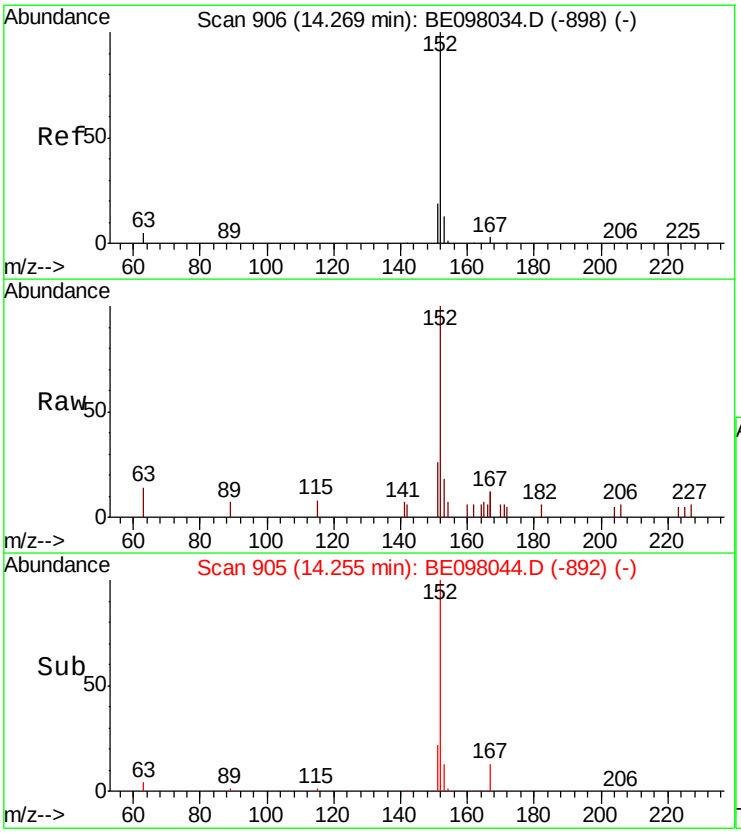
#15
2-Fluorobiphenyl
Concen: 0.338 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:172 Resp: 5190

Ion	Ratio	Lower	Upper
172	100		
171	33.2	26.0	39.0
170	22.3	18.0	27.0

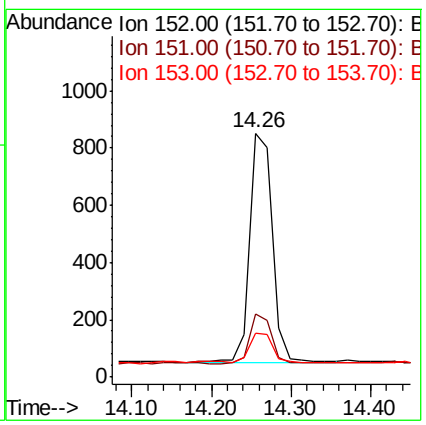


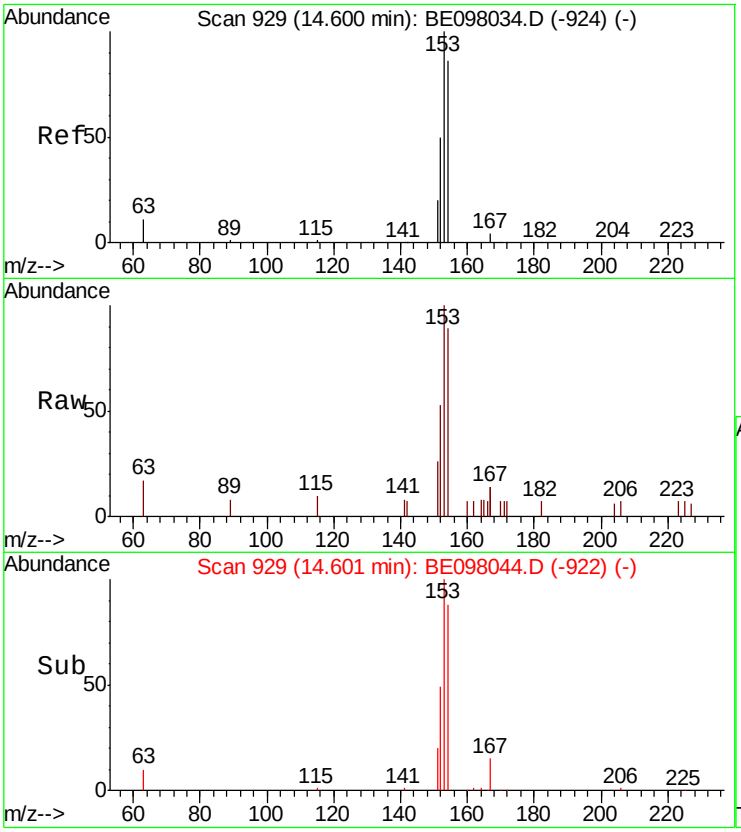


#16
Acenaphthylene
Concen: 0.093 ng
RT: 14.26 min Scan# 905
Delta R.T. -0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:152 Resp: 1599

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	14.3	10.9	16.3



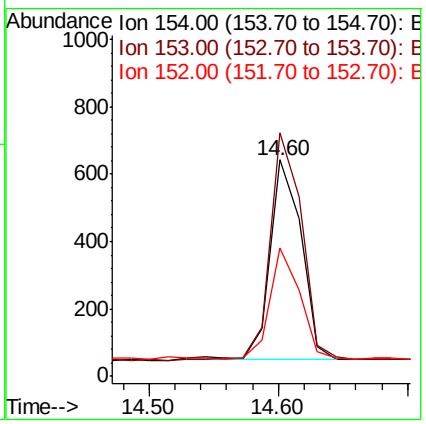


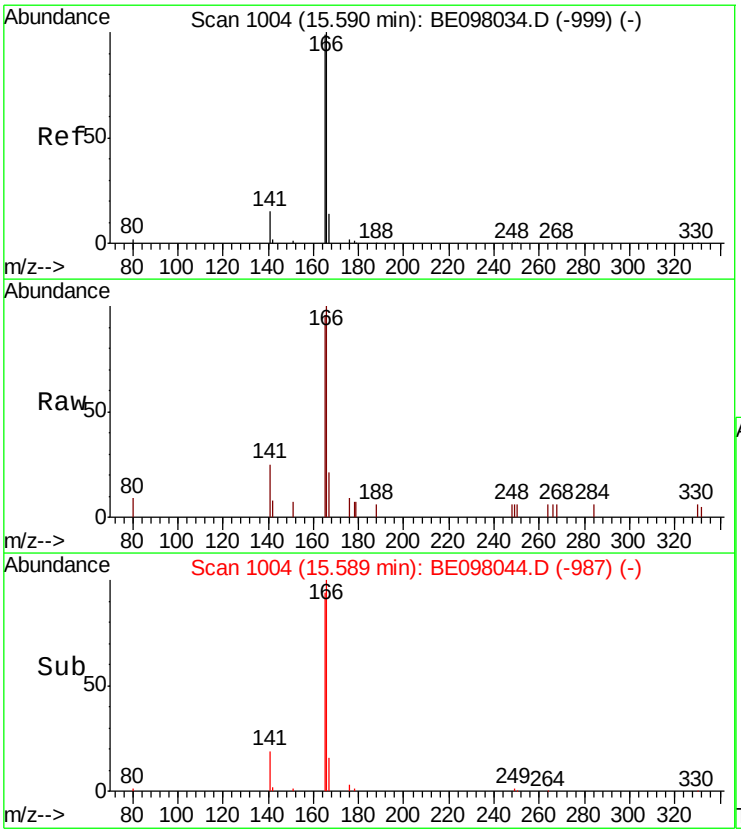
#17
Acenaphthene
Concen: 0.095 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:154 Resp: 991

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.6	139.0
152	55.0	45.5	68.3

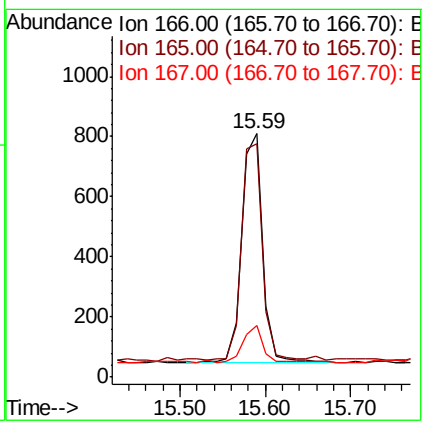


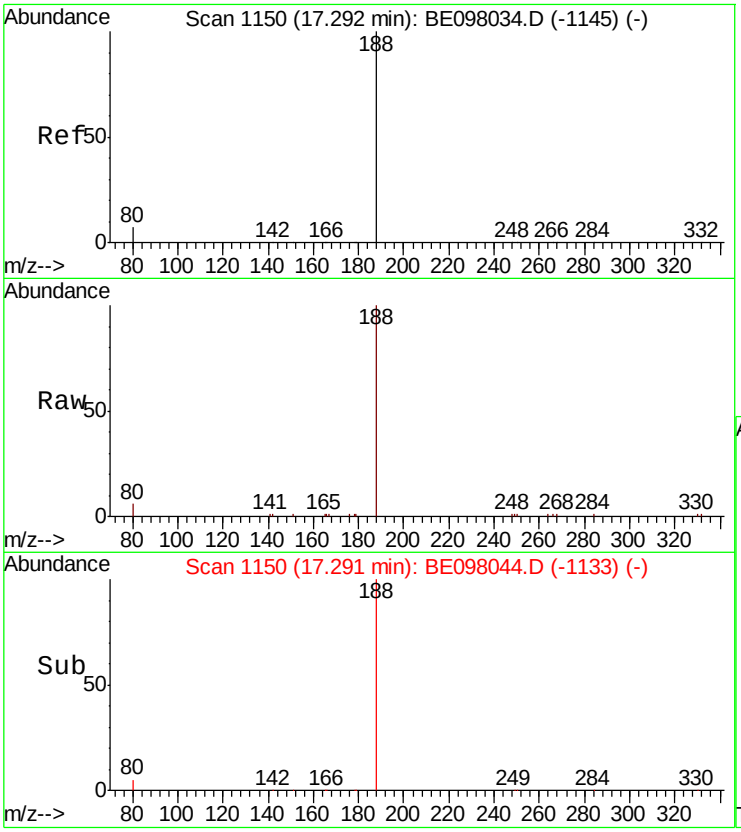


#18
Fluorene
Concen: 0.092 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:166 Resp: 1292

Ion	Ratio	Lower	Upper
166	100		
165	94.0	78.2	117.4
167	16.1	11.0	16.6



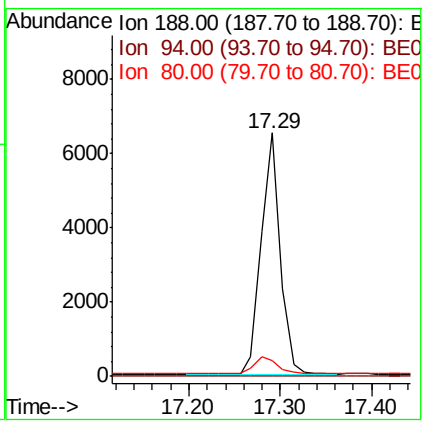


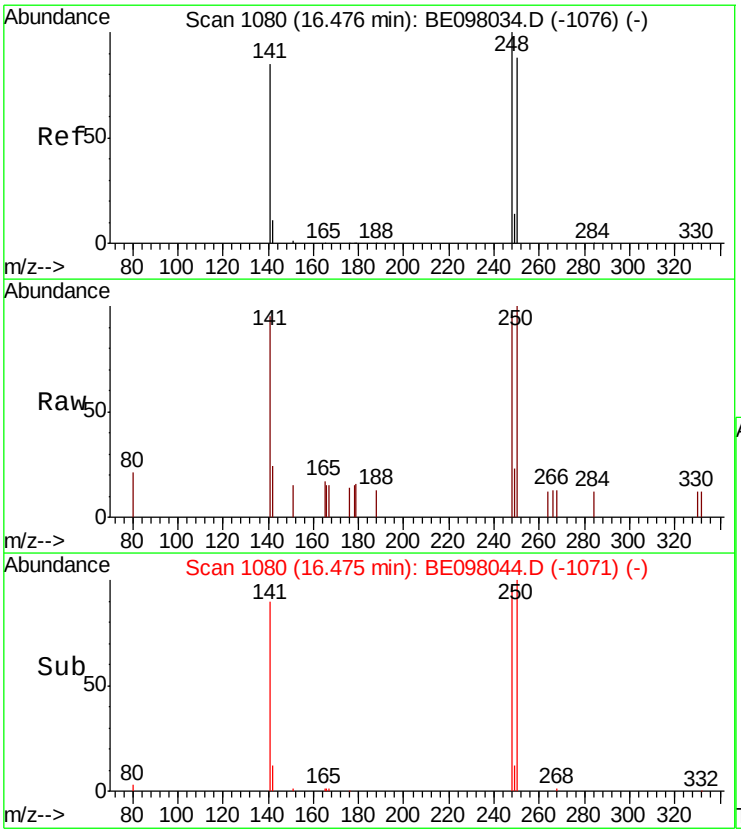
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:188 Resp: 9500

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	6.3	9.5

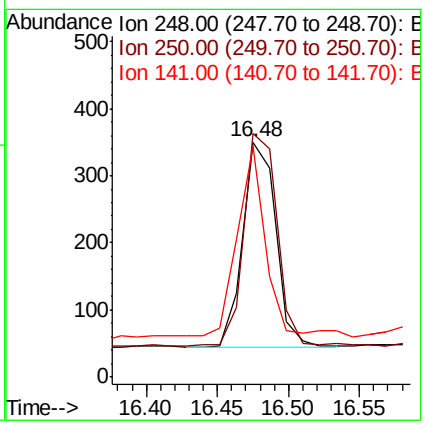


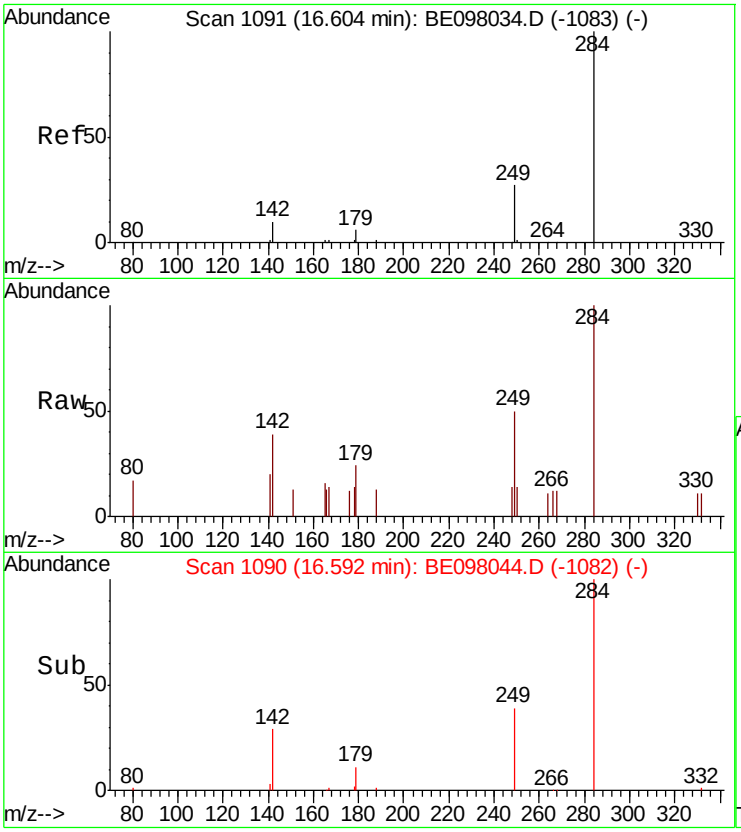


#20
4-Bromophenyl-phenylether
Concen: 0.086 ng
RT: 16.48 min Scan# 1080
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:248 Resp: 496

Ion	Ratio	Lower	Upper
248	100		
250	103.7	75.1	112.7
141	98.3	51.8	77.8#



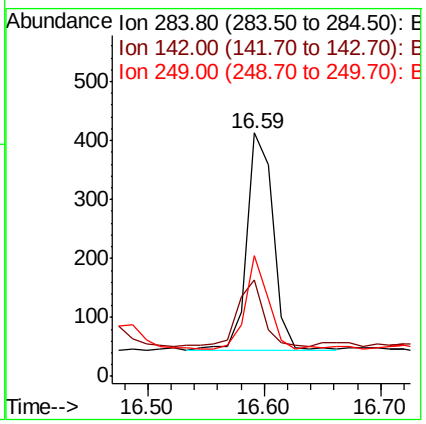


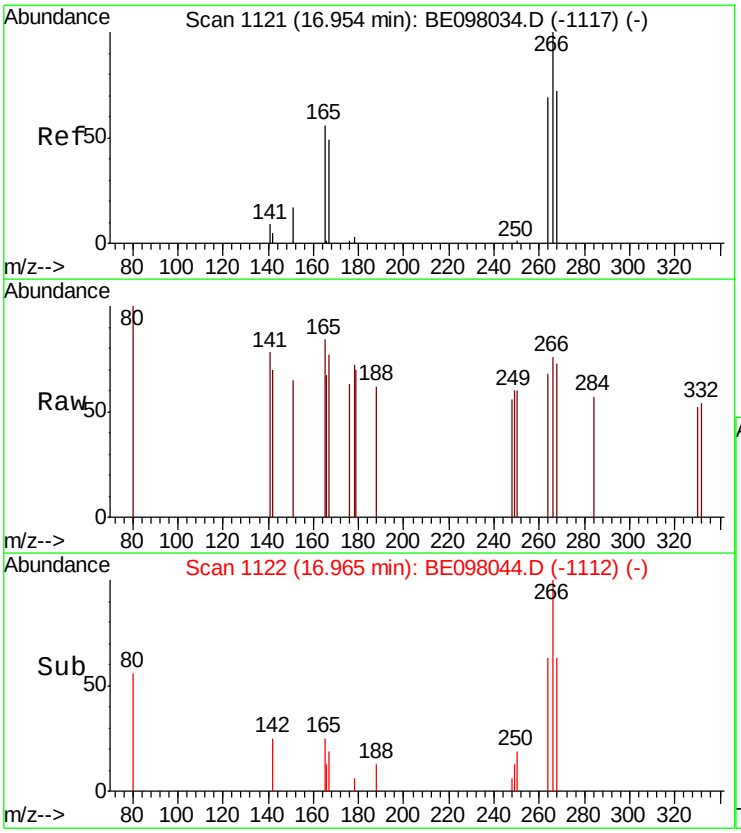
#21
Hexachlorobenzene
Concen: 0.098 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:284 Resp: 585

Ion	Ratio	Lower	Upper
284	100		
142	30.4	25.9	38.9
249	37.8	26.6	40.0

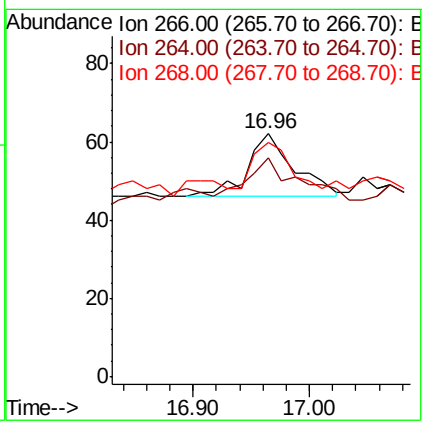


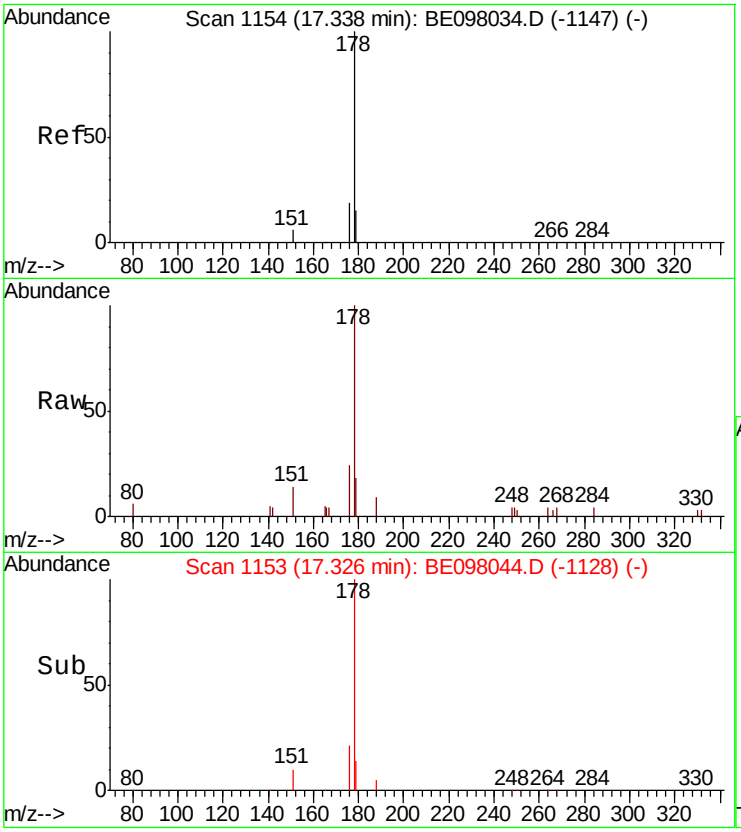


#22
Pentachlorophenol
Concen: 0.090 ng
RT: 16.96 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:266 Resp: 45

Ion	Ratio	Lower	Upper
266	100		
264	90.3	51.3	76.9#
268	96.8	50.1	75.1#



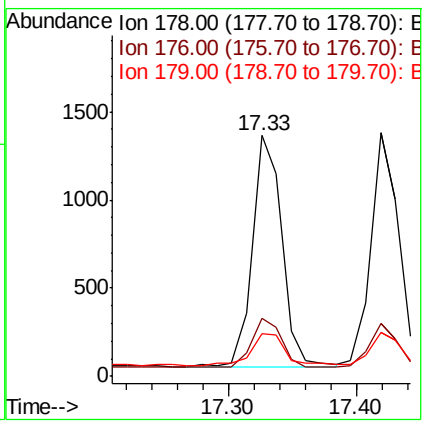


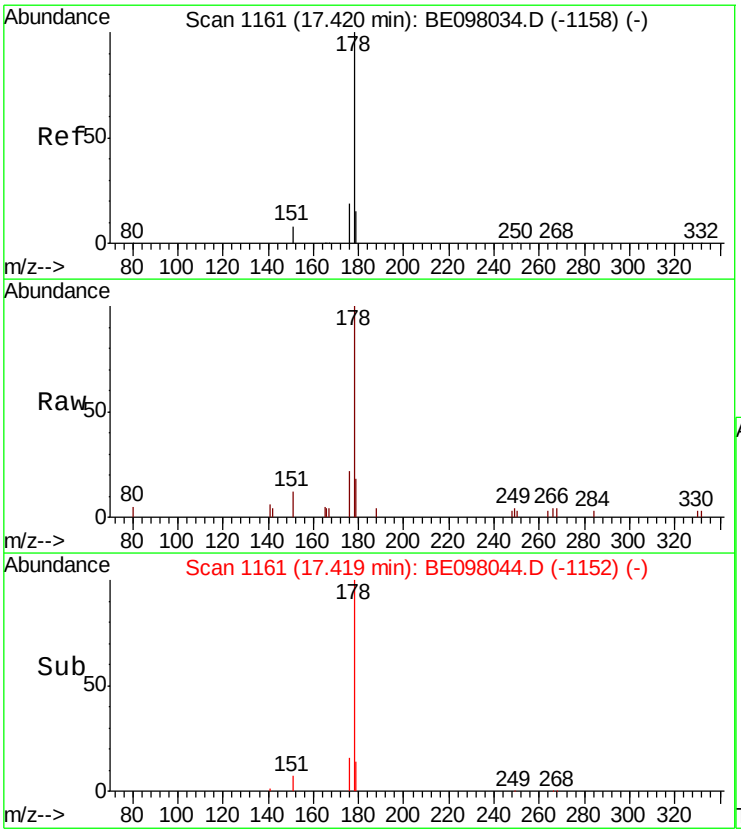
#23
Phenanthrene
Concen: 0.090 ng
RT: 17.33 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:178 Resp: 2108

Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.5	23.3
179	16.7	12.2	18.4

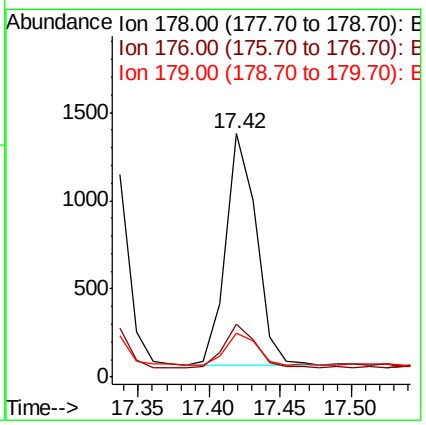


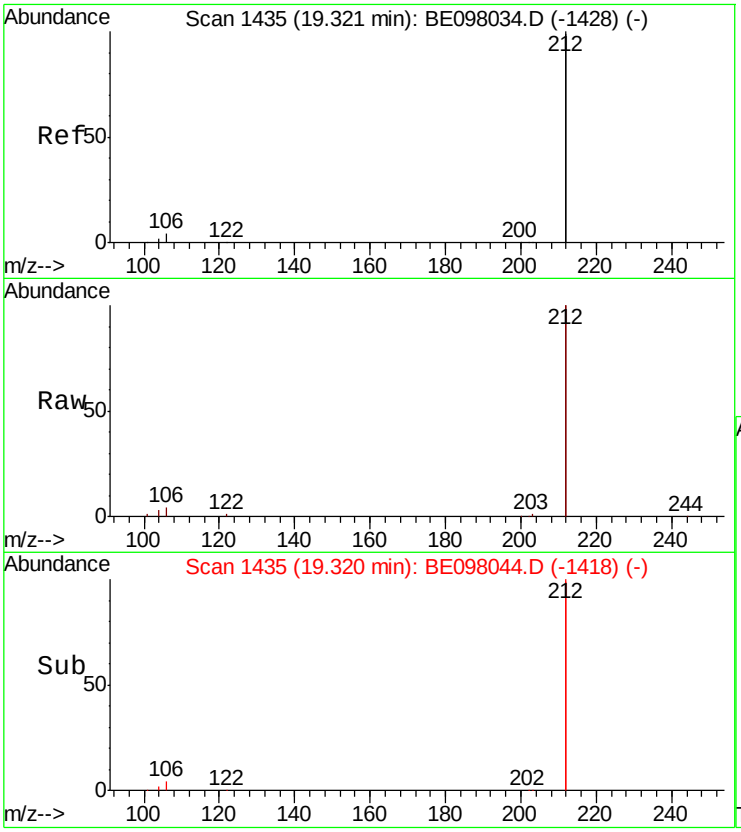


#24
Anthracene
Concen: 0.087 ng
RT: 17.42 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:178 Resp: 1990

Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.9	22.3
179	15.1	11.9	17.9



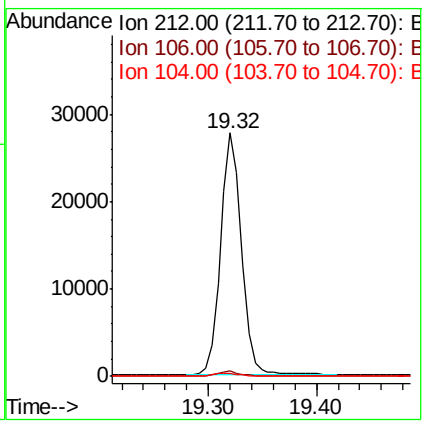


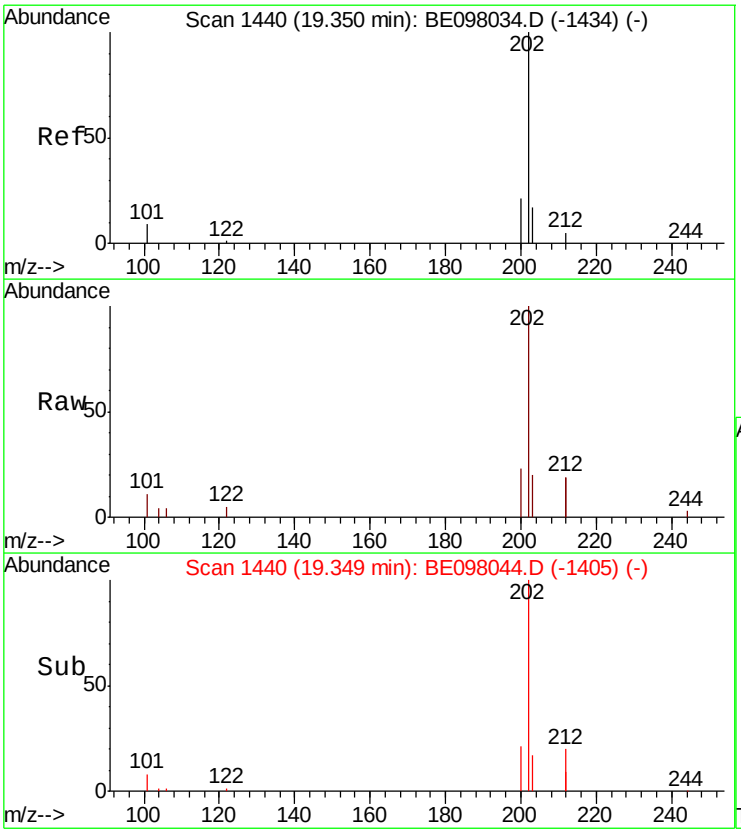
#25
Fluoranthene-d10
Concen: 0.302 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:212 Resp: 36812

Ion	Ratio	Lower	Upper
212	100		
106	2.0	2.3	3.5#
104	1.2	1.3	1.9#

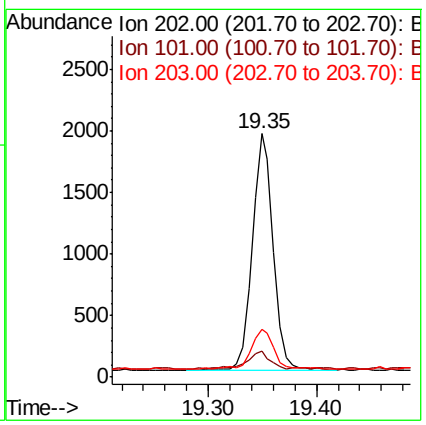


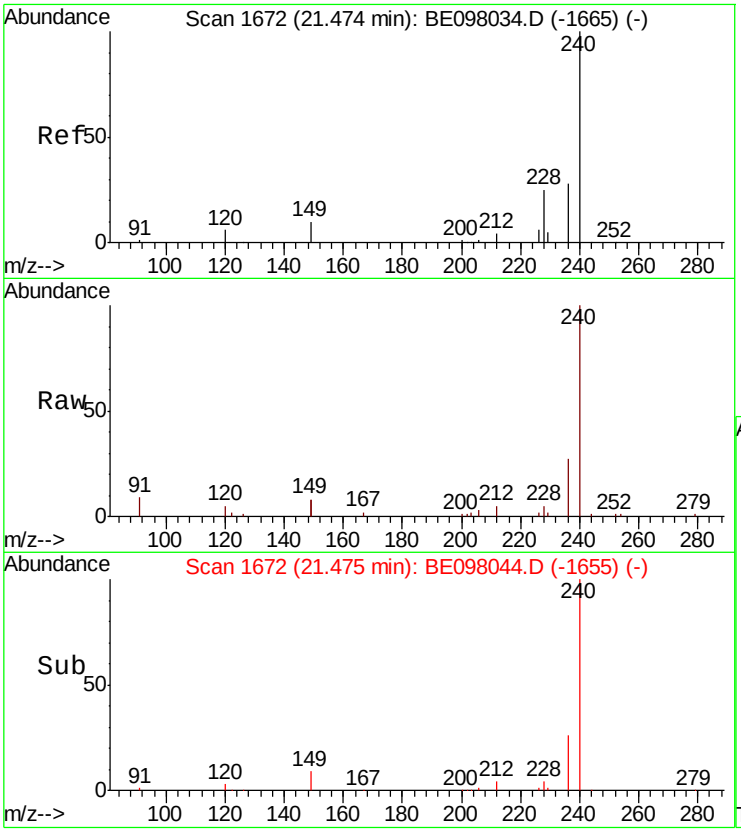


#26
Fluoranthene
Concen: 0.090 ng
RT: 19.35 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:202 Resp: 2613

Ion	Ratio	Lower	Upper
202	100		
101	8.5	8.2	12.2
203	18.5	15.0	22.4



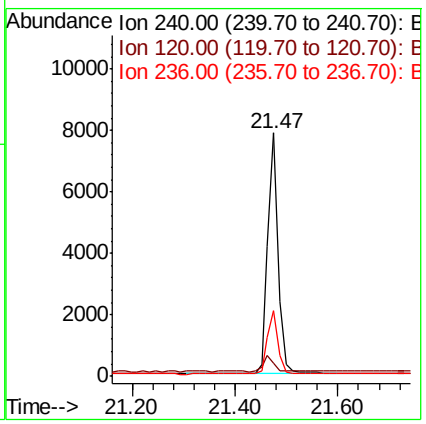


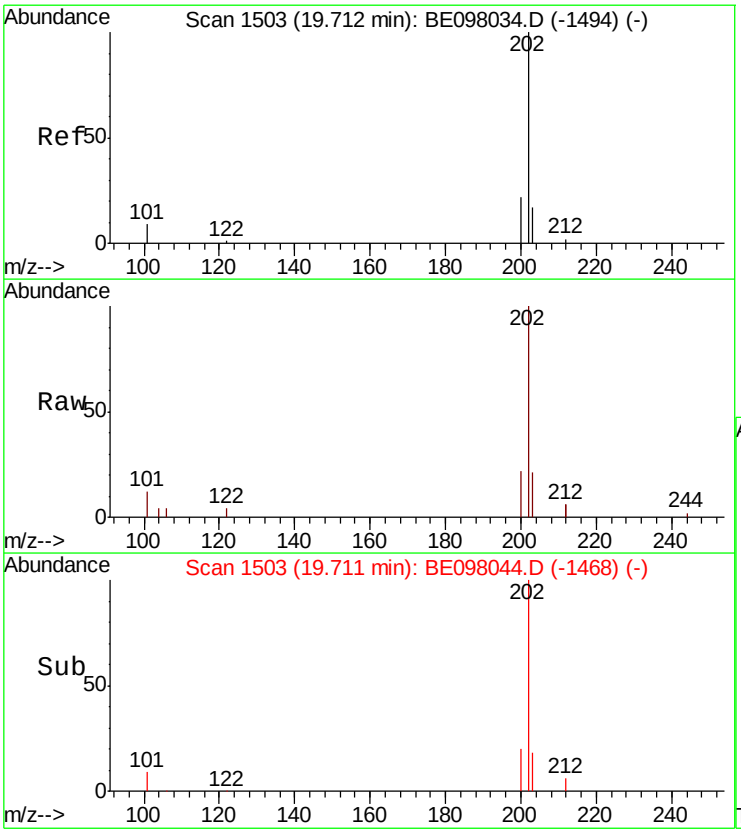
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.47 min Scan# 1672
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:240 Resp: 11194

Ion	Ratio	Lower	Upper
240	100		
120	5.4	7.1	10.7#
236	27.0	21.3	31.9

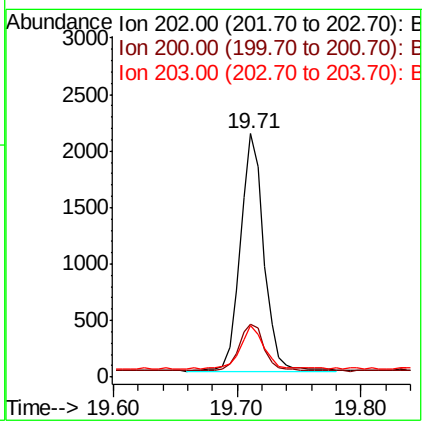


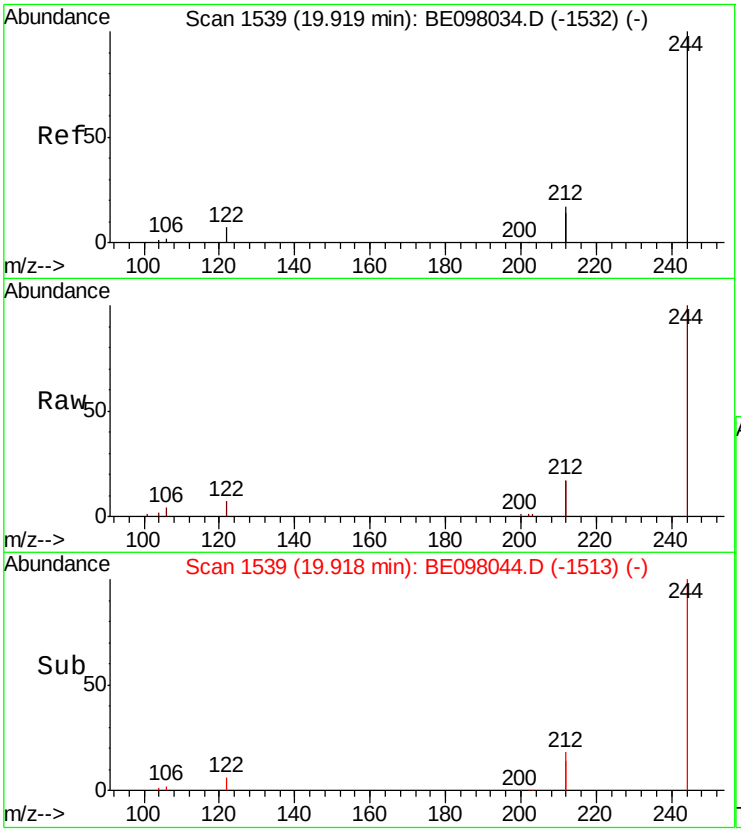


#28
Pyrene
Concen: 0.090 ng
RT: 19.71 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:202 Resp: 2787

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	18.6	14.2	21.4



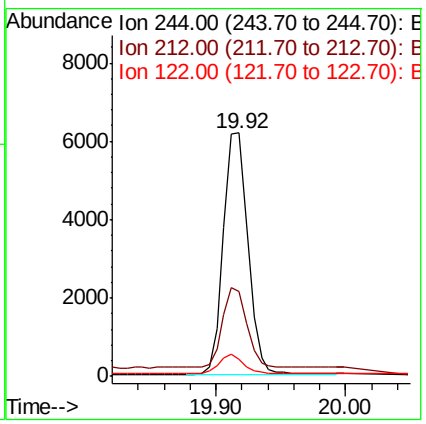


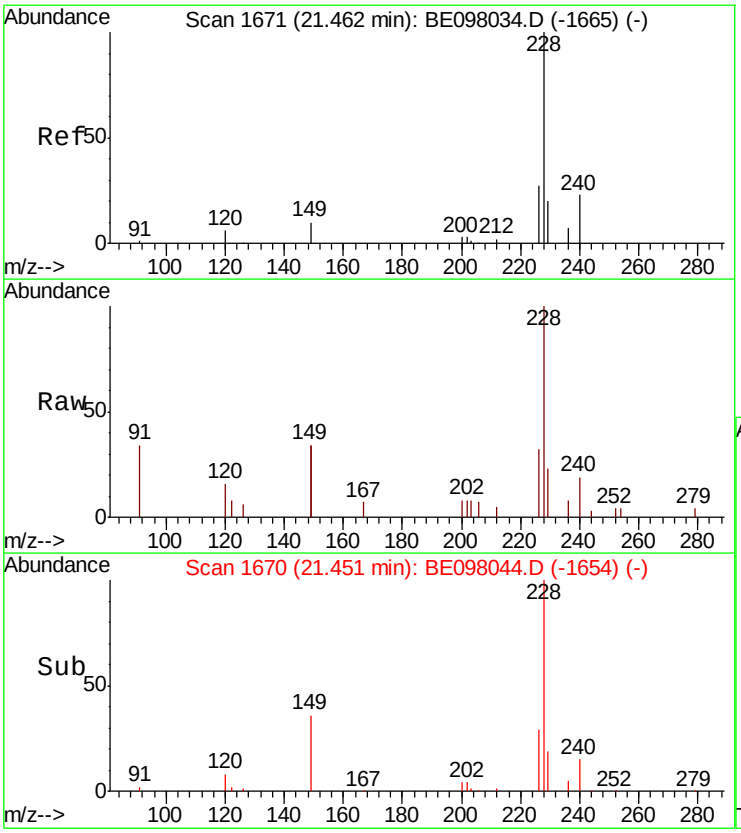
#29
Terphenyl-d14
Concen: 0.308 ng
RT: 19.92 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:244 Resp: 8111

Ion	Ratio	Lower	Upper
244	100		
212	35.0	26.2	39.2
122	7.2	7.7	11.5#

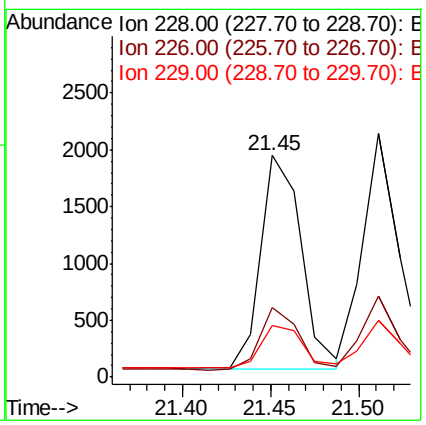


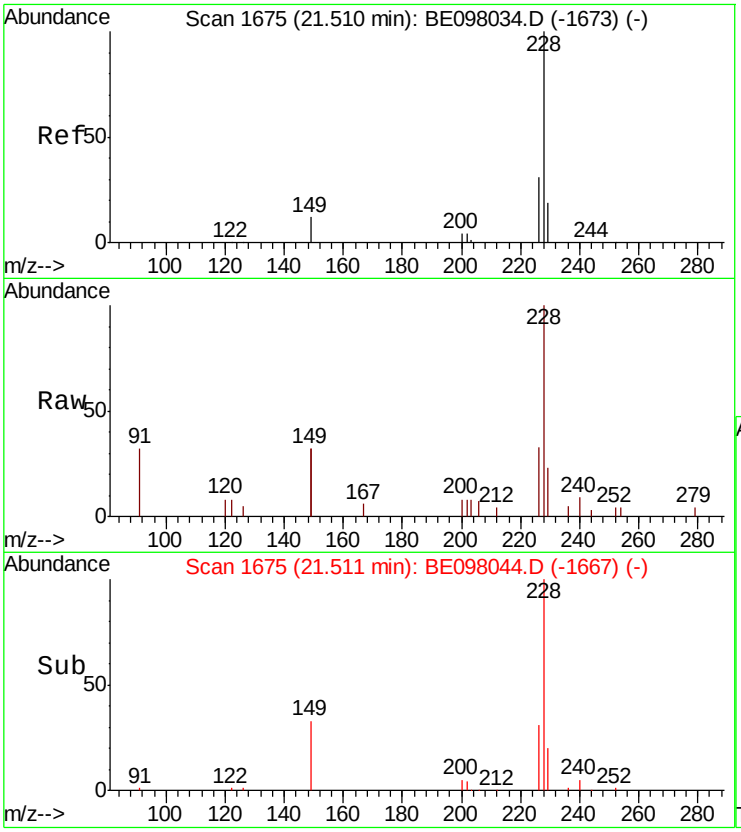


#30
Benzo(a)anthracene
Concen: 0.090 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:228 Resp: 2991

Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	23.1	16.9	25.3



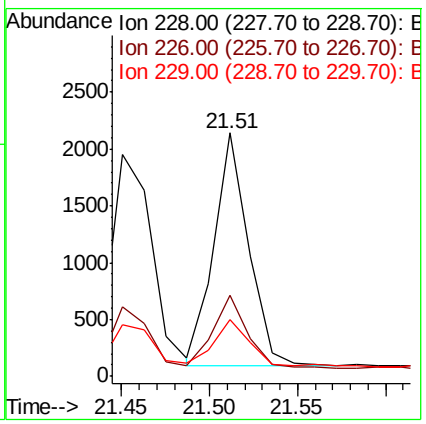


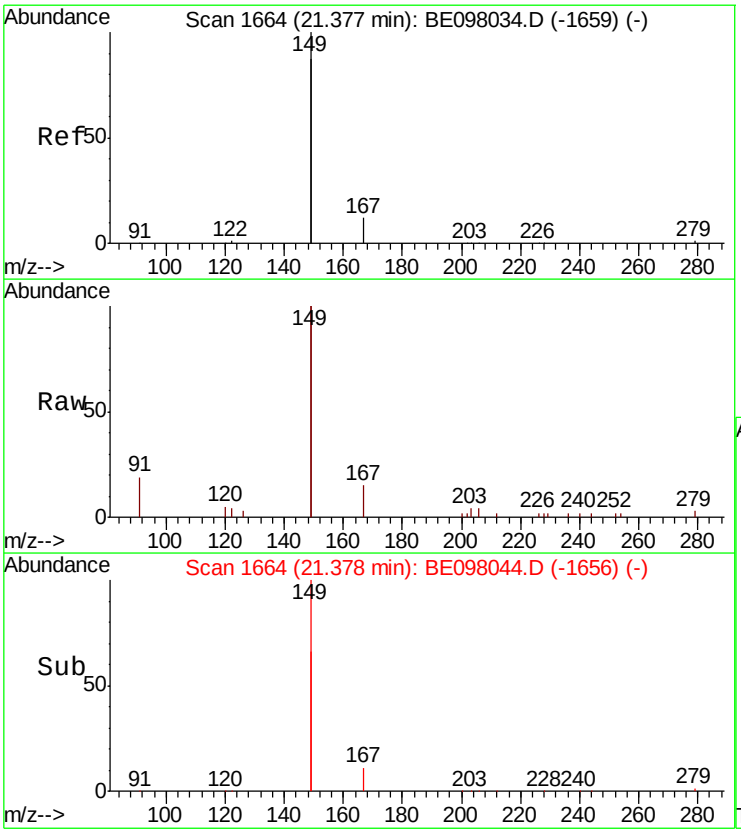
#31
Chrysene
Concen: 0.087 ng
RT: 21.51 min Scan# 1675
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:228 Resp: 2800

Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.3	36.5
229	23.3	17.3	25.9

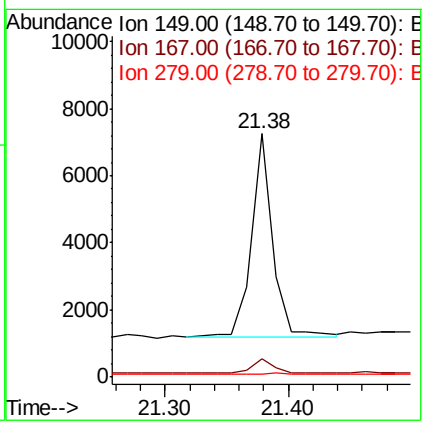


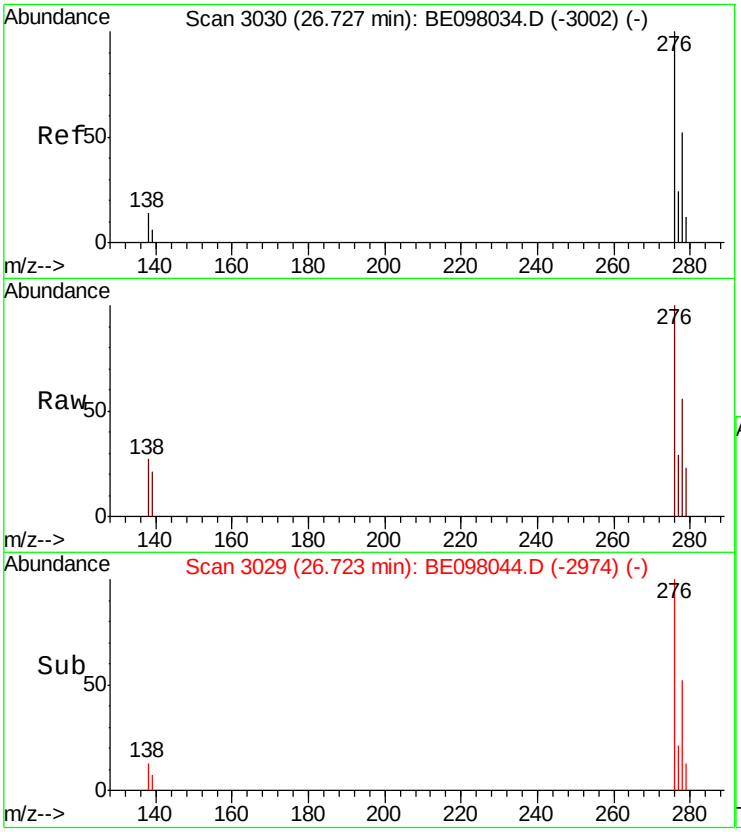


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.092 ng
RT: 21.38 min Scan# 1664
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:149 Resp: 7260

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.6	8.4
279	1.1	0.9	1.3



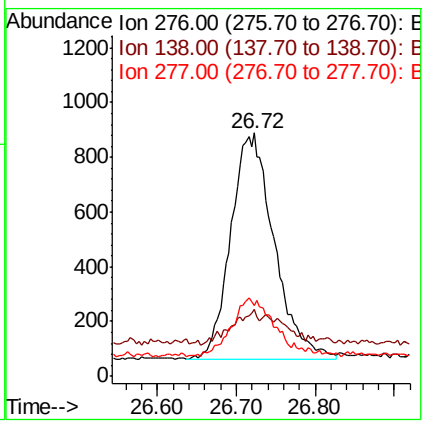


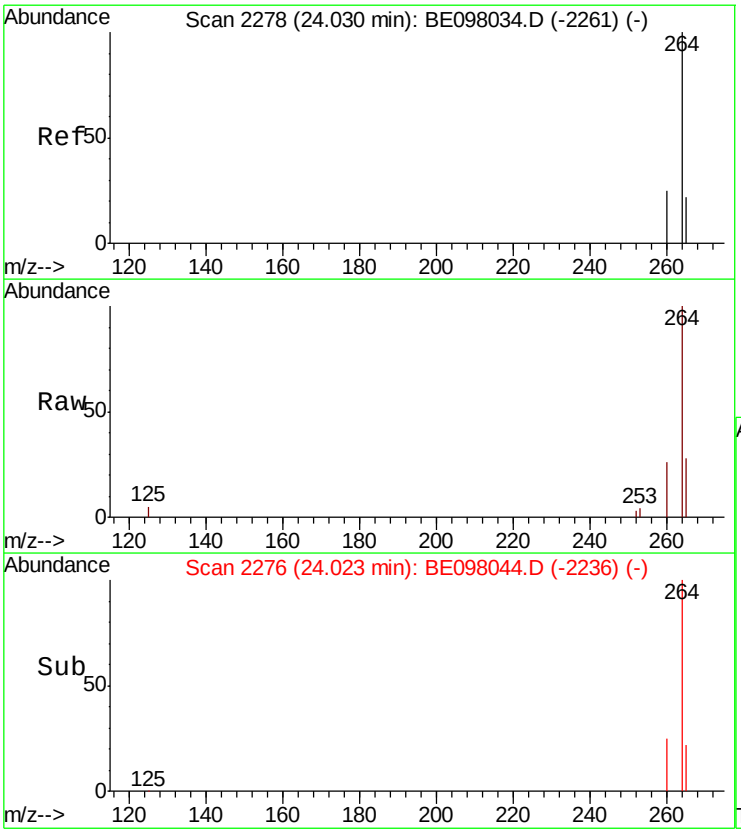
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.090 ng
RT: 26.72 min Scan# 3029
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:276 Resp: 3158

Ion	Ratio	Lower	Upper
276	100		
138	0.8	17.0	25.6#
277	24.4	20.5	30.7

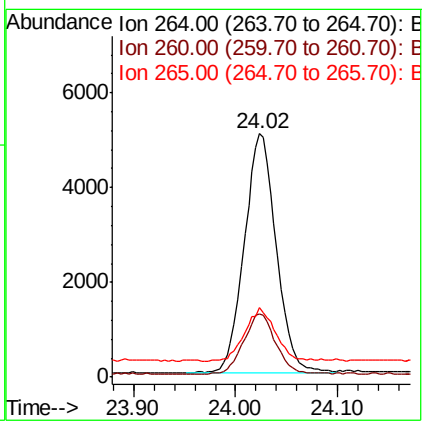


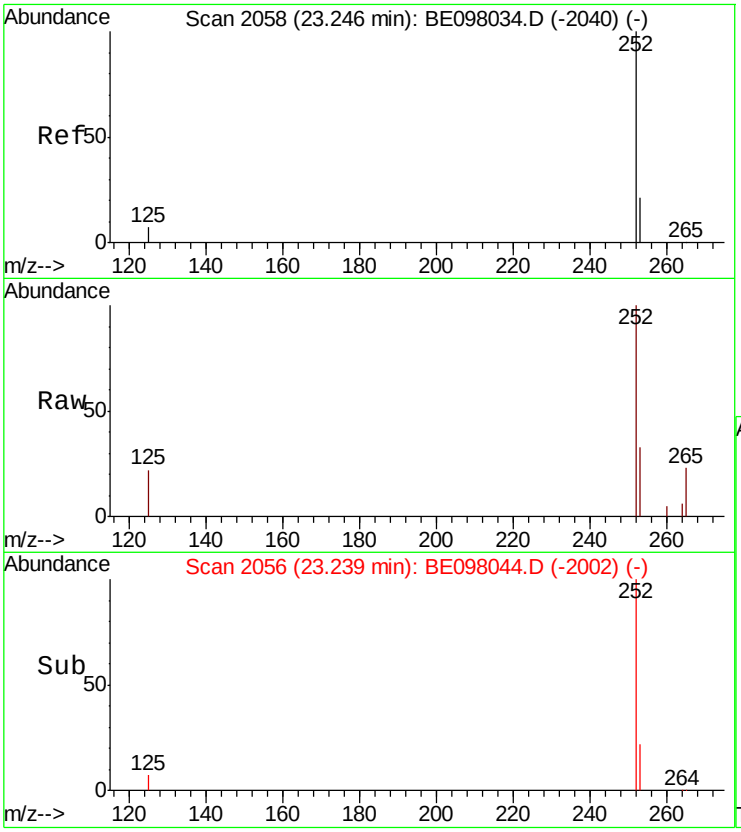


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:264 Resp: 10994

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.1	31.7
265	28.3	29.2	43.8#



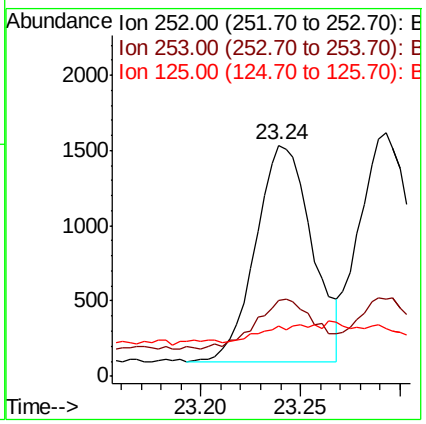


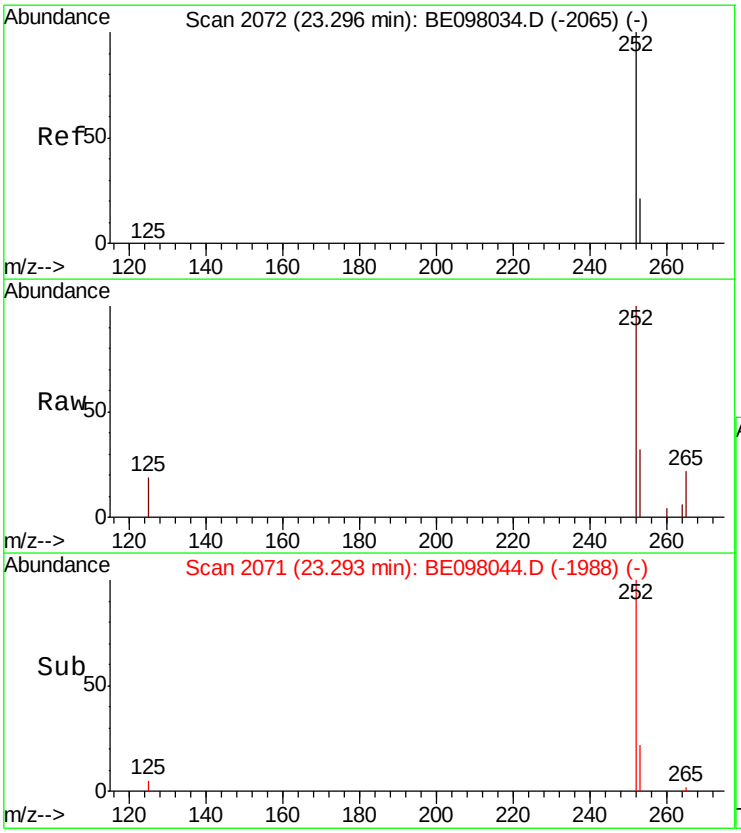
#35
Benzo(b)fluoranthene
Concen: 0.093 ng
RT: 23.24 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:252 Resp: 2839

Ion	Ratio	Lower	Upper
252	100		
253	32.9	20.6	31.0#
125	21.6	14.3	21.5#

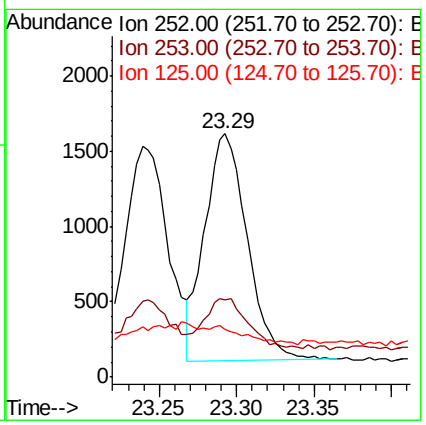


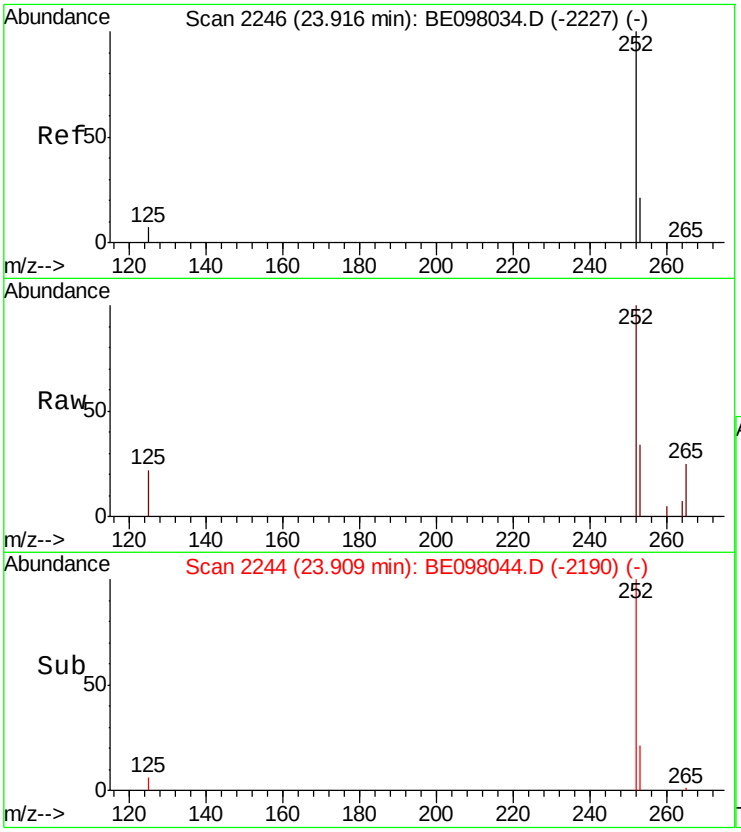


#36
Benzo(k)fluoranthene
Concen: 0.091 ng
RT: 23.29 min Scan# 2071
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:252 Resp: 2888

Ion	Ratio	Lower	Upper
252	100		
253	31.8	20.4	30.6#
125	19.4	14.6	21.8



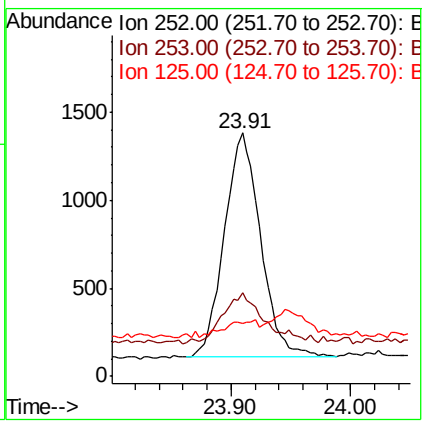


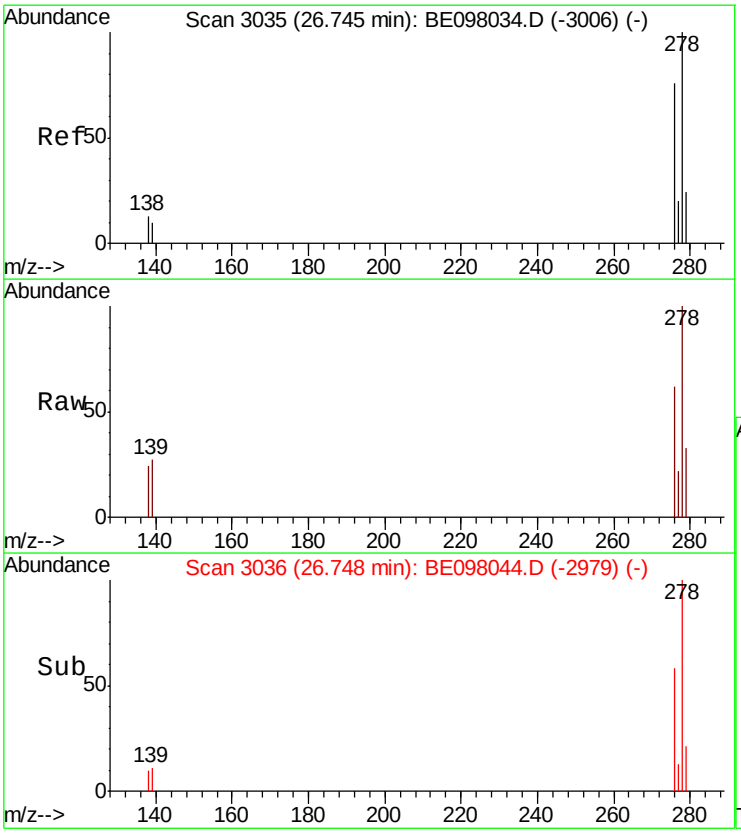
#37
Benzo(a)pyrene
Concen: 0.089 ng
RT: 23.91 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:252 Resp: 2658

Ion	Ratio	Lower	Upper
252	100		
253	34.4	20.6	31.0#
125	22.0	15.6	23.4

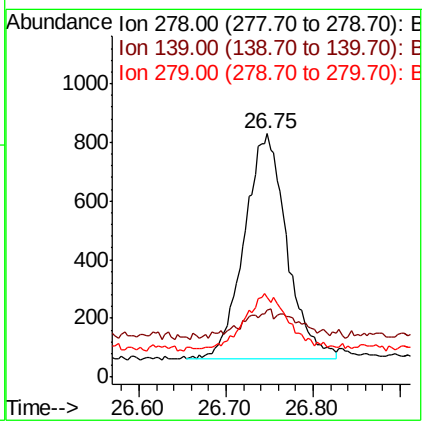


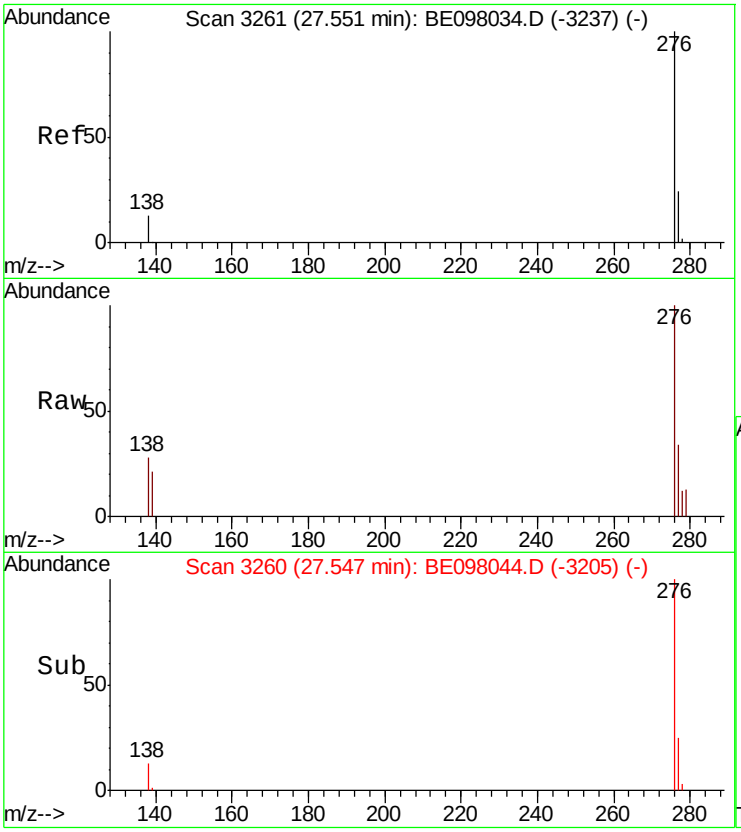


#38
Dibenzo(a,h)anthracene
Concen: 0.089 ng
RT: 26.75 min Scan# 3036
Delta R.T. 0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Tgt Ion:278 Resp: 2607

Ion	Ratio	Lower	Upper
278	100		
139	27.3	16.3	24.5#
279	32.7	21.4	32.2#





#39
Benzo(g,h,i)perylene
Concen: 0.048 ng
RT: 27.55 min Scan# 3260
Delta R.T. -0.00 min
Lab File: BE098044.D
Acq: 24 Oct 2018 18:36

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:276 Resp: 1394

Ion	Ratio	Lower	Upper
276	100		
277	34.1	22.1	33.1#
138	28.1	19.3	28.9