Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102418\
Data File : BE098045.D
Acq On : 24 Oct 2018 19:12
Operator : SJ/JU
Sample : J5164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-WATER-02-QT4-2018

Quant Time: Oct 25 04:03:33 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	7.87	152	1021	0.40	ng		0.00
7) Naphthalene-d8	10.68	136	5240	0.40	ng		0.00
13) Acenaphthene-d10	14.54	164	3736	0.40	ng		0.00
19) Phenanthrene-d10	17.29	188	9239	0.40	ng		0.00
27) Chrysene-d12	21.48	240	10875	0.40	ng		0.00
34) Perylene-d12	24.02	264	10679	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	1290	0.42	ng		0.00
5) Phenol-d6	7.06	99	2177	0.42	ng		0.00
8) Nitrobenzene-d5	9.03	82	2376	0.43	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	3728	0.40	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	688	0.37	ng		0.00
15) 2-Fluorobiphenyl	13.16	172	6028	0.40	ng		0.00
25) Fluoranthene-d10	19.32	212	45843	0.39	ng		0.00
29) Terphenyl-d14	19.92	244	9692	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	307	0.195	ng		96
3) n-Nitrosodimethylamine	3.70	42	325	0.155	ng	#	92
6) bis(2-Chloroethyl)ether	7.30	93	626	0.174	ng		90
9) Naphthalene	10.73	128	9171	0.176	ng	#	97
10) Hexachlorobutadiene	11.02	225	664	0.188	ng		94
12) 2-Methylnaphthalene	12.35	142	1655	0.176	ng	#	91
16) Acenaphthylene	14.26	152	2933	0.173	ng		99
17) Acenaphthene	14.60	154	1783	0.174	ng		99
18) Fluorene	15.58	166	2328	0.169	ng		96
20) 4-Bromophenyl-phenylether	16.47	248	964	0.173	ng	#	89
21) Hexachlorobenzene	16.59	284	1051	0.181	ng		99
22) Pentachlorophenol	16.95	266	94	0.194	ng	#	79
23) Phenanthrene	17.33	178	3770	0.166	ng		98
24) Anthracene	17.42	178	3703	0.166	ng		99
26) Fluoranthene	19.35	202	4781	0.169	ng	#	96
28) Pyrene	19.71	202	5064	0.169	ng		99
30) Benzo(a)anthracene	21.45	228	5549	0.173	ng		99
31) Chrysene	21.51	228	5222	0.167	ng		100
32) Bis(2-ethylhexyl)phthalate	21.38	149	12745	0.167	ng	#	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	5747	0.168	ng	#	94
35) Benzo(b)fluoranthene	23.24	252	5101	0.172	ng	#	94
36) Benzo(k)fluoranthene	23.29	252	5320	0.173	ng	#	94
37) Benzo(a)pyrene	23.91	252	5014	0.172	ng		93
38) Dibenzo(a,h)anthracene	26.74	278	4728	0.166	ng	#	91
39) Benzo(g,h,i)perylene	27.55	276	4853	0.172	ng		95

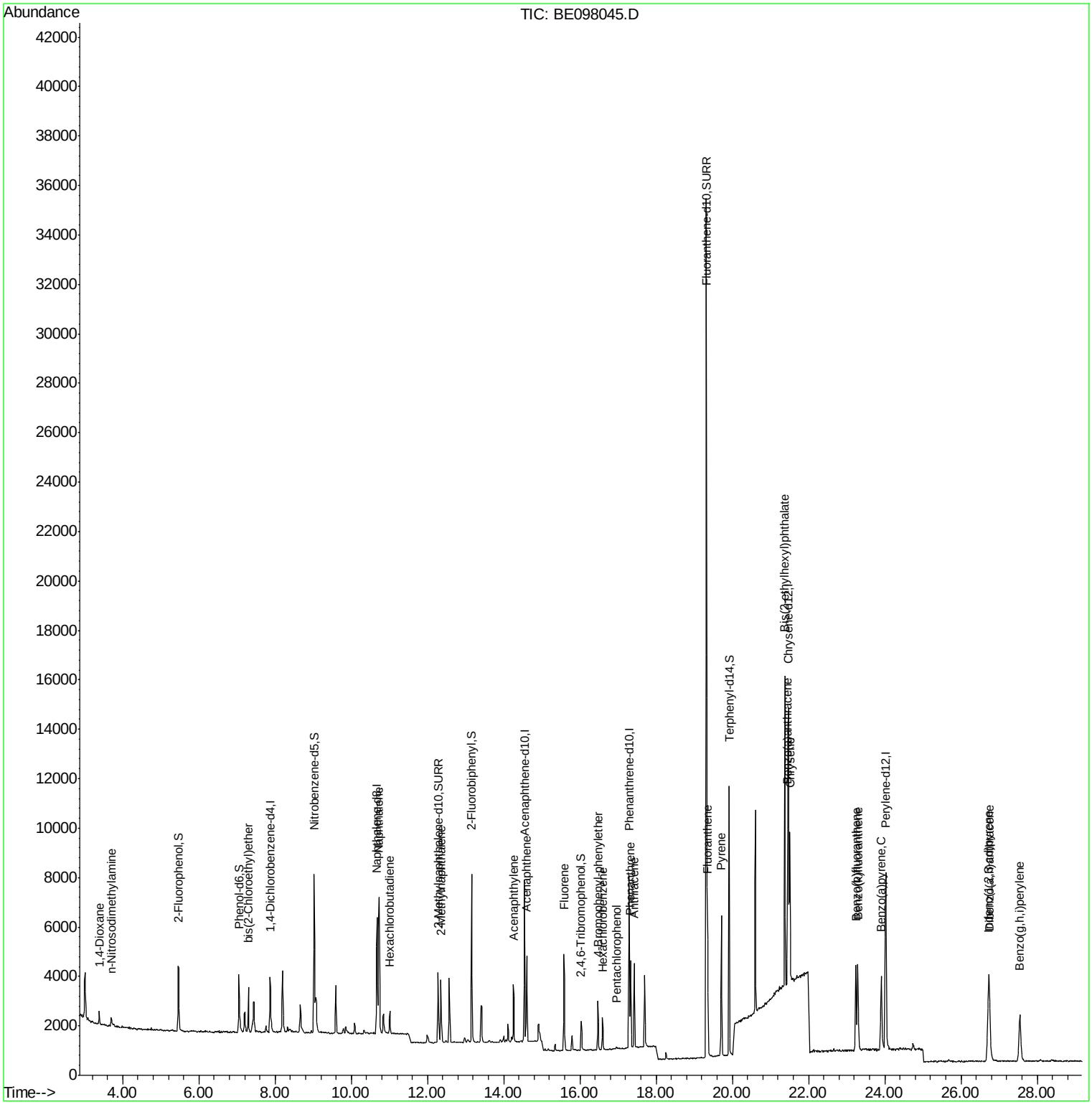
(#) = qualifier out of range (m) = manual integration (+) = signals summed

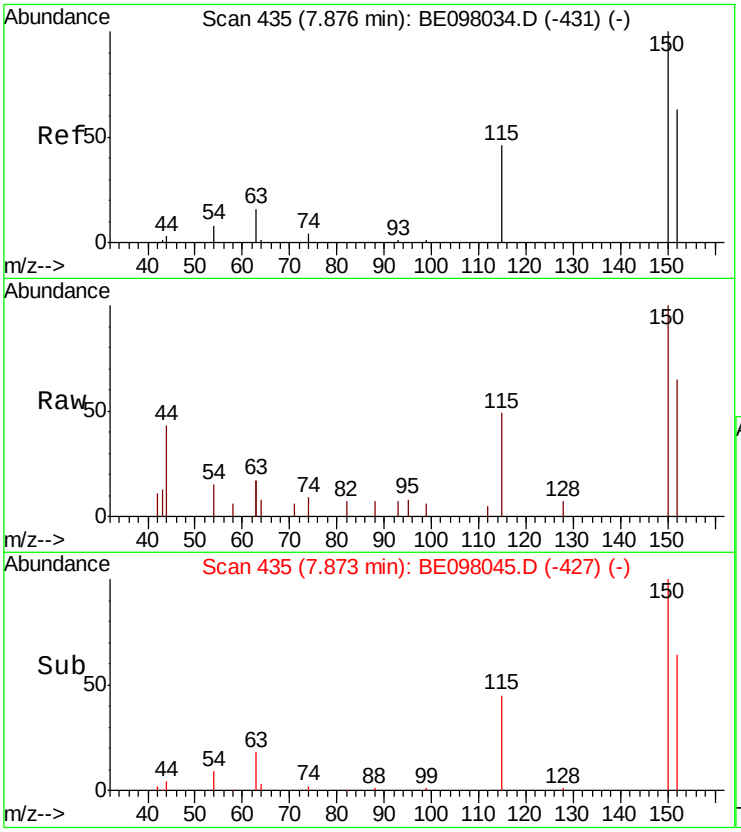
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102418\
Data File : BE098045.D
Acq On : 24 Oct 2018 19:12
Operator : SJ/JU
Sample : J5164-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Quant Time: Oct 25 04:03:33 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



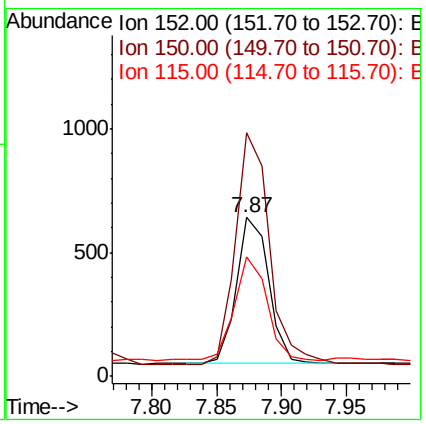


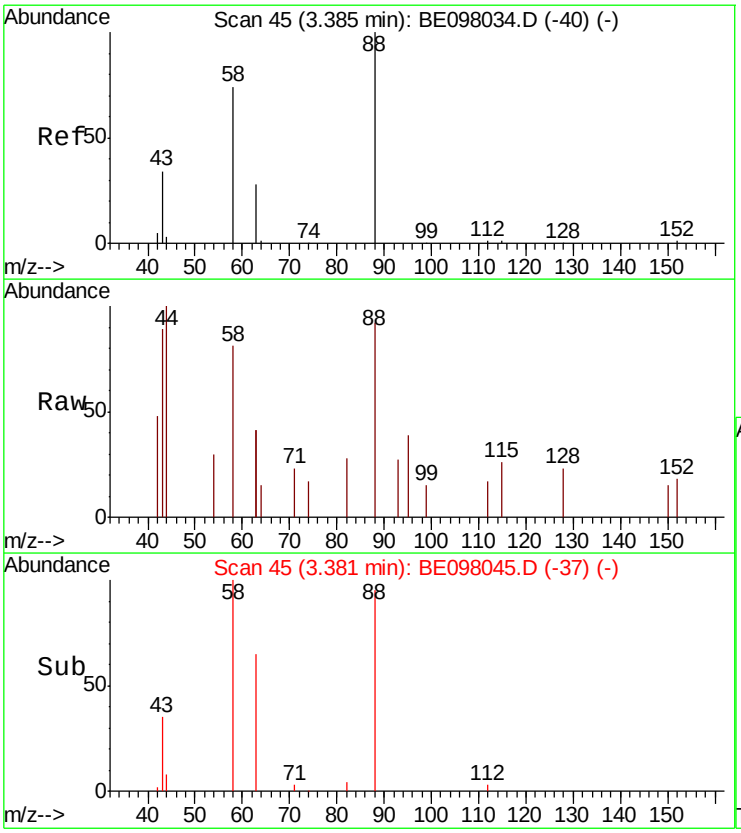
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 435
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:152 Resp: 1021

Ion	Ratio	Lower	Upper
152	100		
150	153.5	118.2	177.4
115	75.5	50.9	76.3

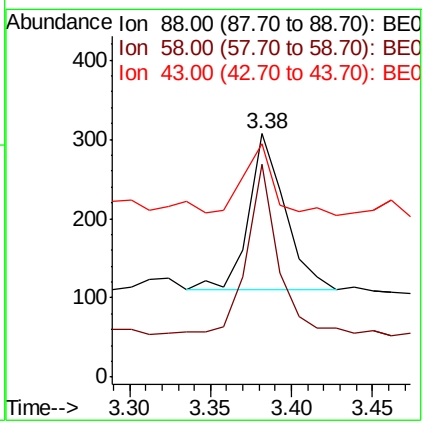


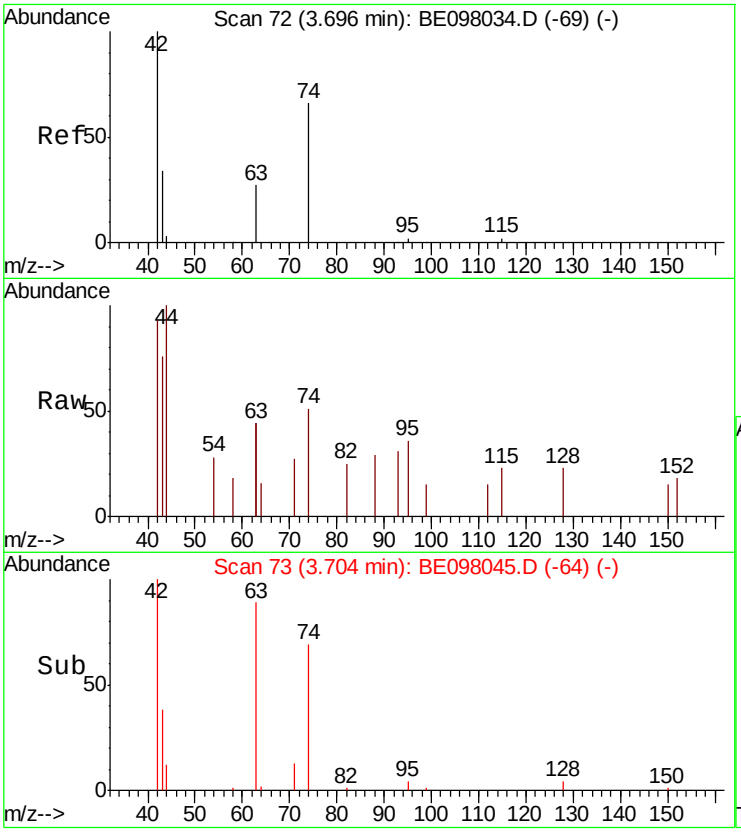


#2
1,4-Dioxane
Concen: 0.195 ng
RT: 3.38 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion: 88 Resp: 307

Ion	Ratio	Lower	Upper
88	100		
58	92.5	73.2	109.8
43	39.1	36.9	55.3



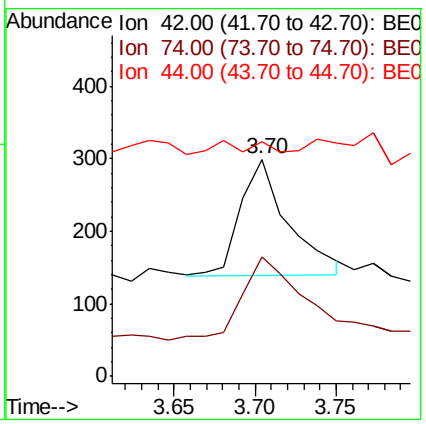


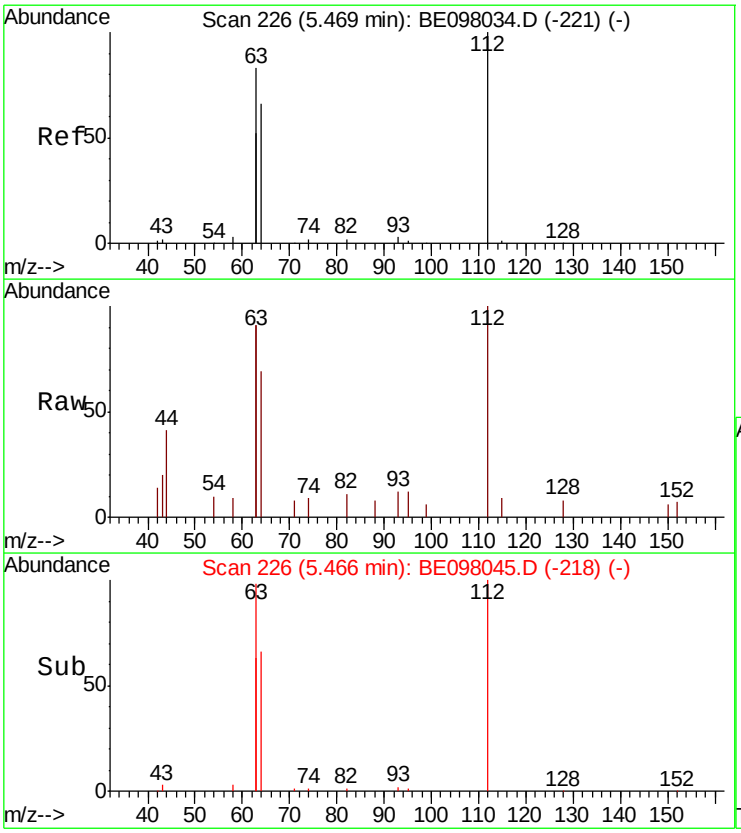
#3
n-Nitrosodimethylamine
Concen: 0.155 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 42 Resp: 325

Ion	Ratio	Lower	Upper
42	100		
74	91.1	77.6	116.4
44	0.0	7.6	11.4#

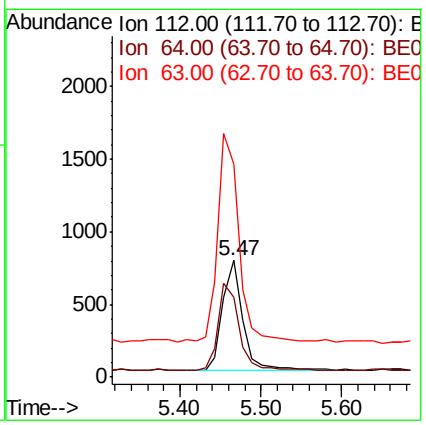


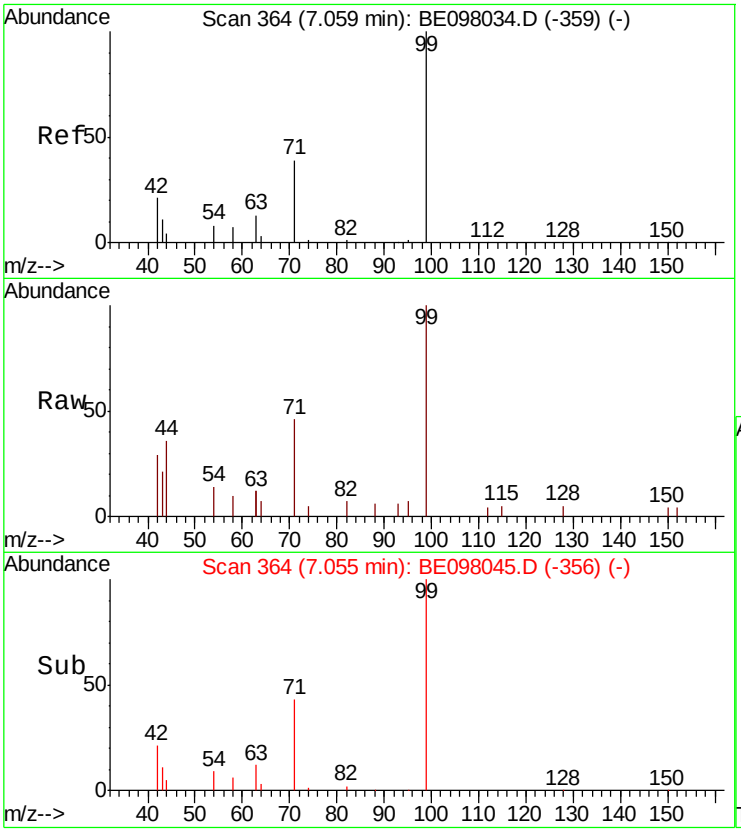


#4
2-Fluorophenol
Concen: 0.417 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:112 Resp: 1290

Ion	Ratio	Lower	Upper
112	100		
64	83.9	58.9	88.3
63	200.5	120.3	180.5#



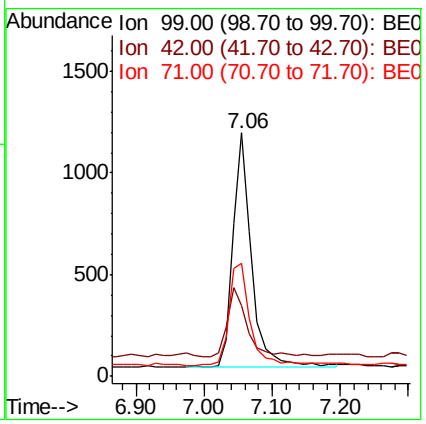


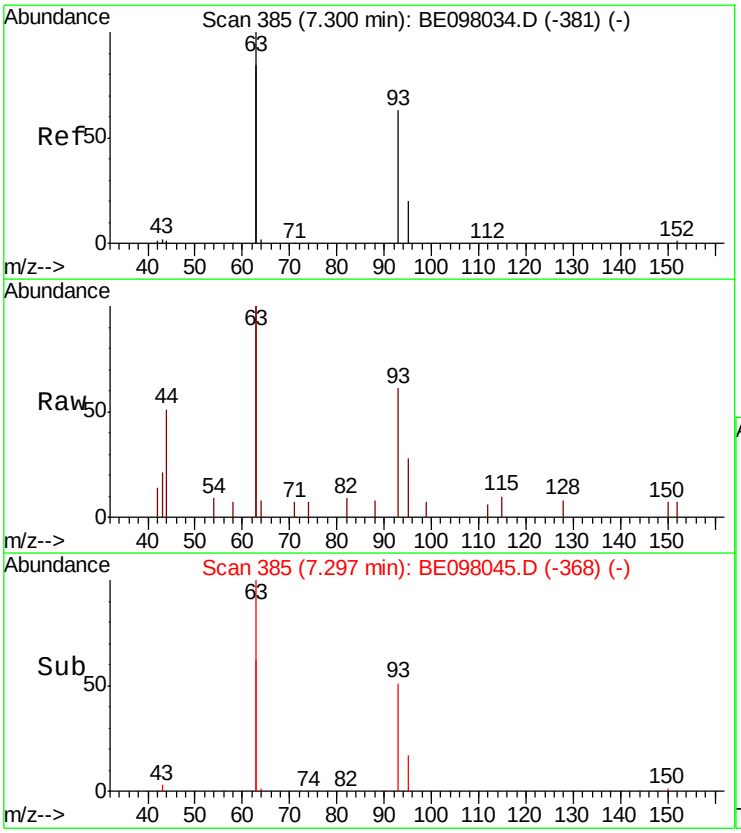
#5
Phenol-d6
Concen: 0.423 ng
RT: 7.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion: 99 Resp: 2177

Ion	Ratio	Lower	Upper
99	100		
42	32.3	19.9	29.9#
71	52.1	27.8	41.8#

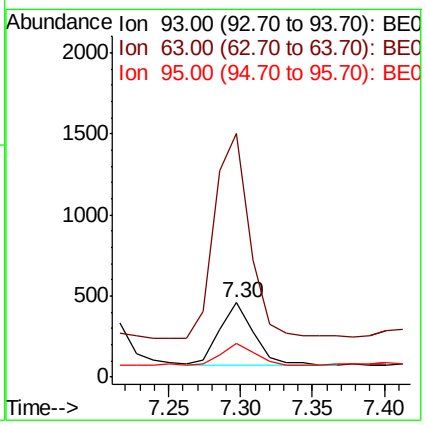


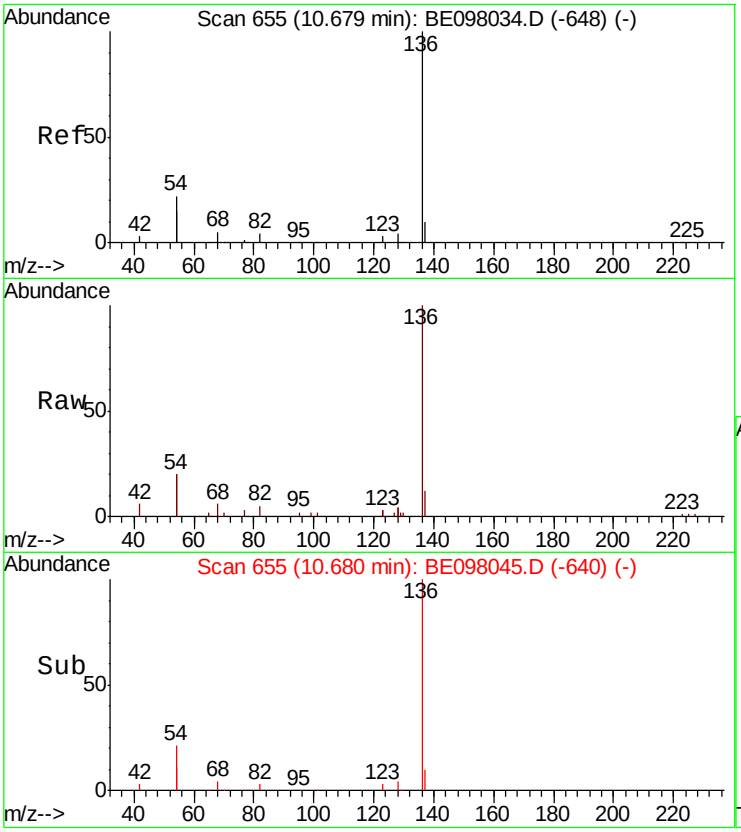


#6
bis(2-Chloroethyl)ether
Concen: 0.174 ng
RT: 7.30 min Scan# 385
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion: 93 Resp: 626

Ion	Ratio	Lower	Upper
93	100		
63	345.7	259.0	388.4
95	39.9	27.8	41.8



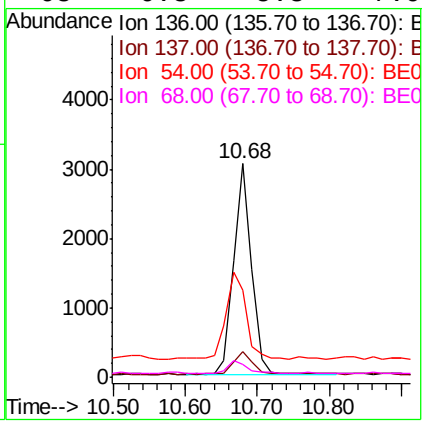


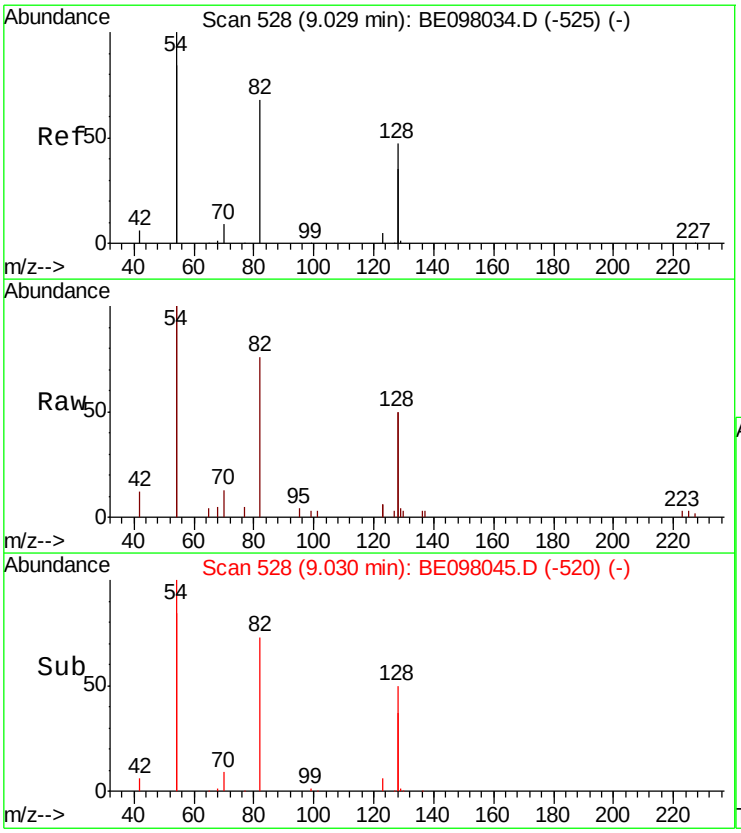
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:136 Resp: 5240

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	40.8	27.7	41.5
68	6.3	5.3	7.9

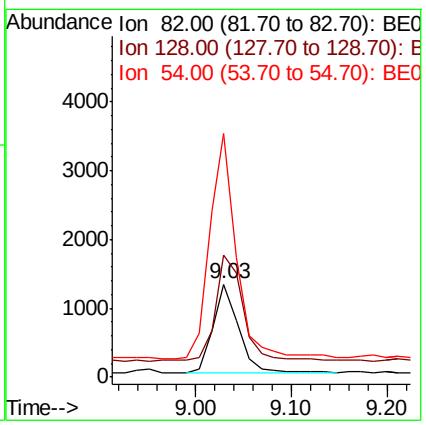


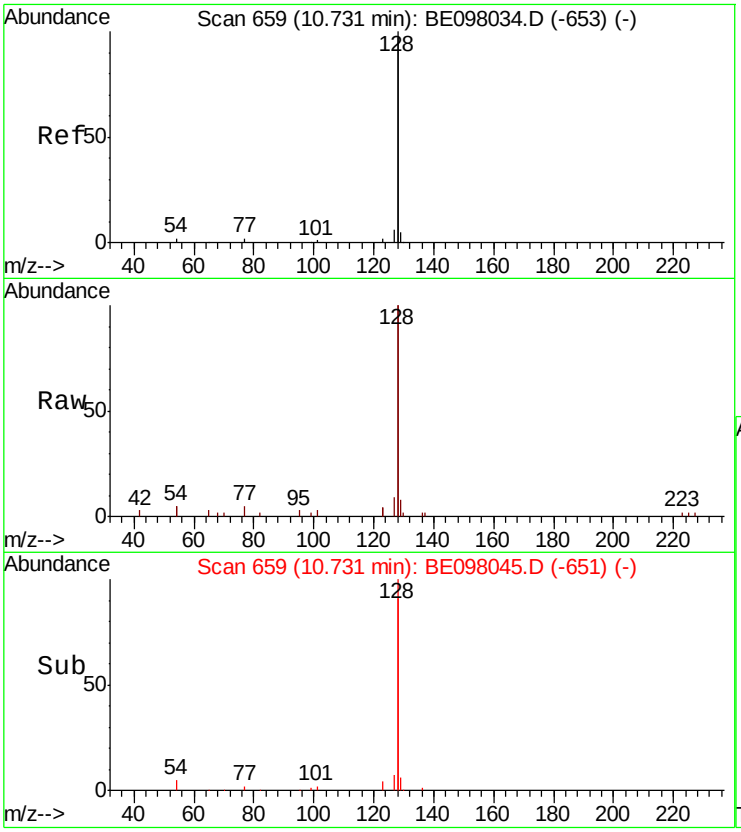


#8
Nitrobenzene-d5
Concen: 0.426 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion: 82 Resp: 2376

Ion	Ratio	Lower	Upper
82	100		
128	131.5	129.9	194.9
54	261.9	174.0	261.0#



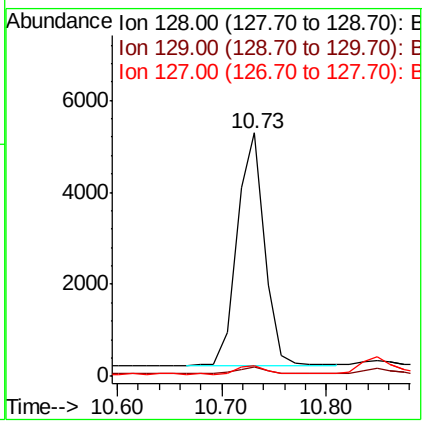


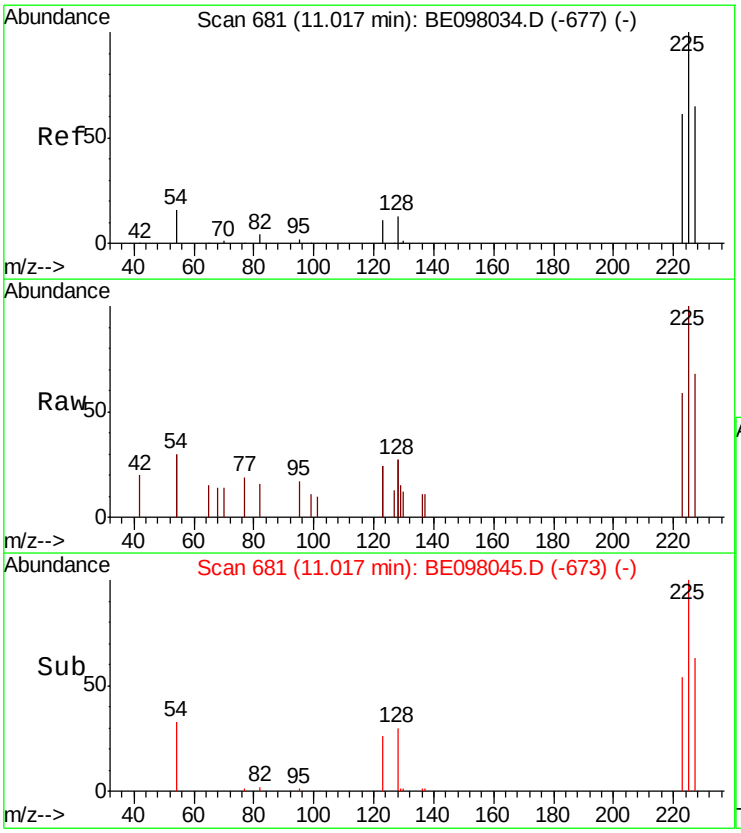
#9
Naphthalene
Concen: 0.176 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:128 Resp: 9171

Ion	Ratio	Lower	Upper
128	100		
129	4.0	2.5	3.7#
127	4.3	2.8	4.2#

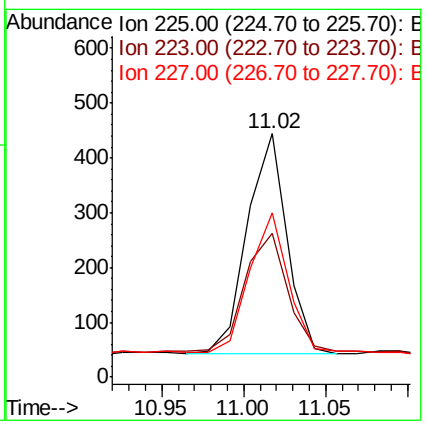


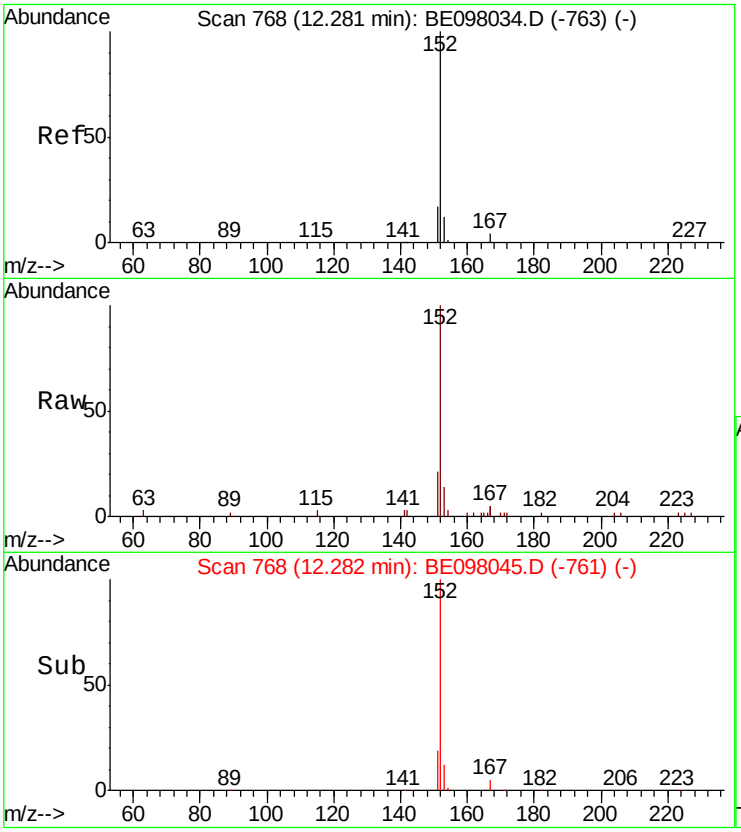


#10
Hexachlorobutadiene
Concen: 0.188 ng
RT: 11.02 min Scan# 681
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:225 Resp: 664

Ion	Ratio	Lower	Upper
225	100		
223	60.4	51.8	77.8
227	61.4	53.0	79.6



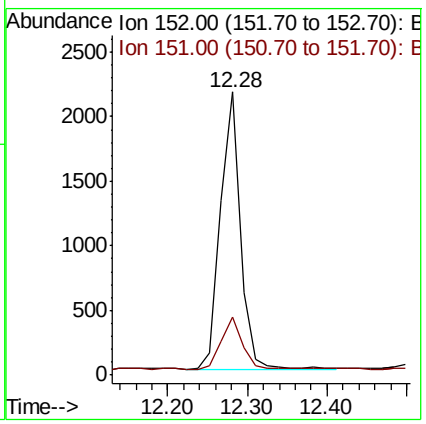


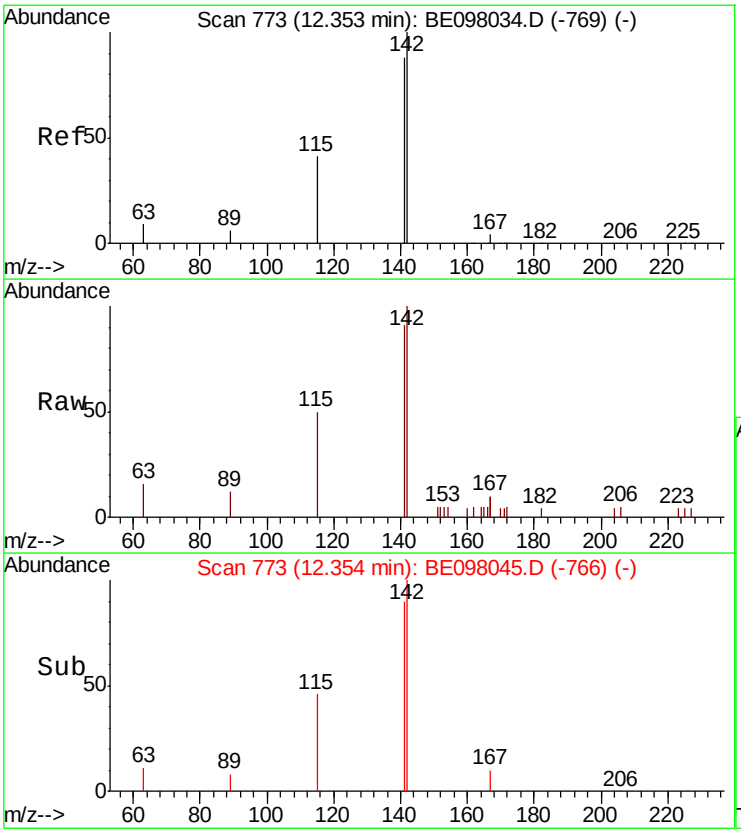
#11
2-Methylnaphthalene-d10
Concen: 0.401 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:152 Resp: 3728

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.2	24.4

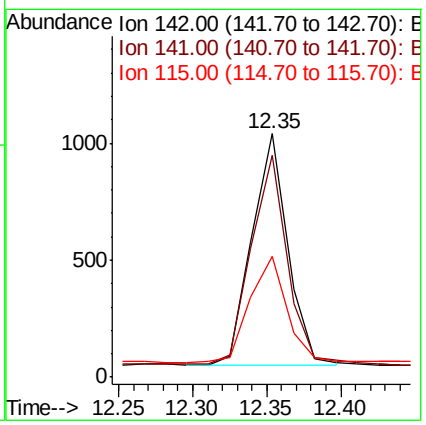


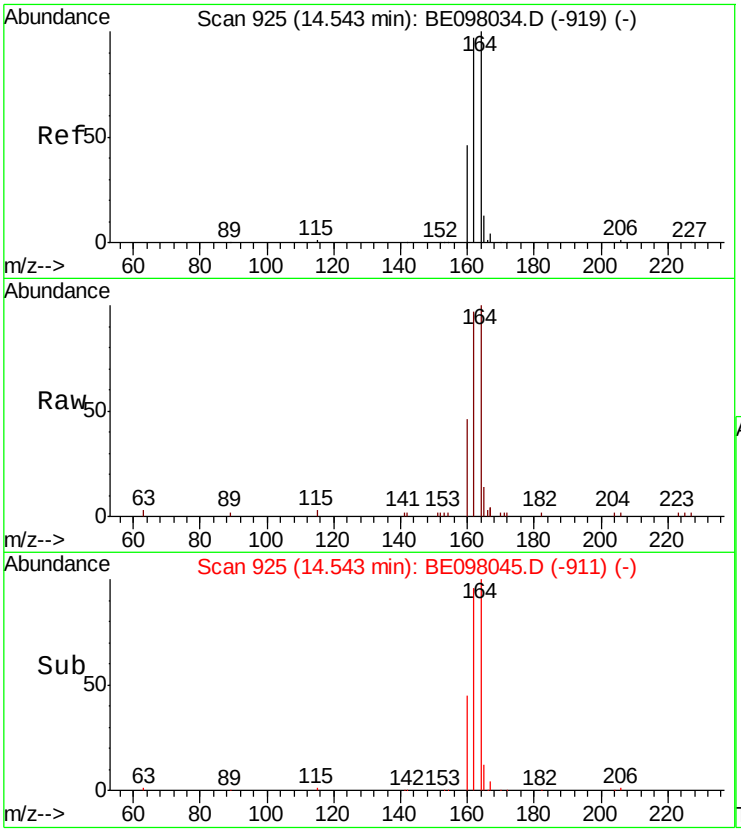


#12
2-Methylnaphthalene
Concen: 0.176 ng
RT: 12.35 min Scan# 773
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:142 Resp: 1655

Ion	Ratio	Lower	Upper
142	100		
141	91.2	69.8	104.6
115	49.7	30.5	45.7#



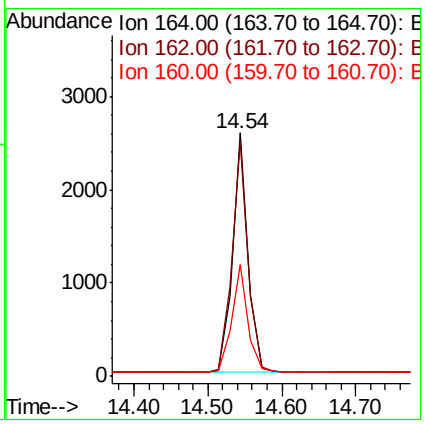


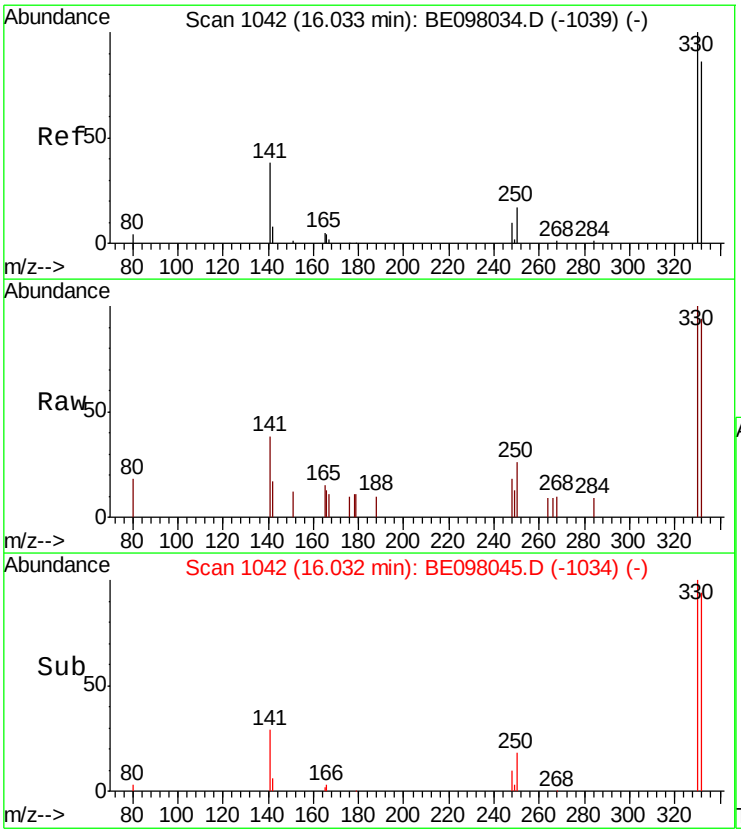
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:164 Resp: 3736

Ion	Ratio	Lower	Upper
164	100		
162	96.5	77.4	116.2
160	45.7	36.5	54.7

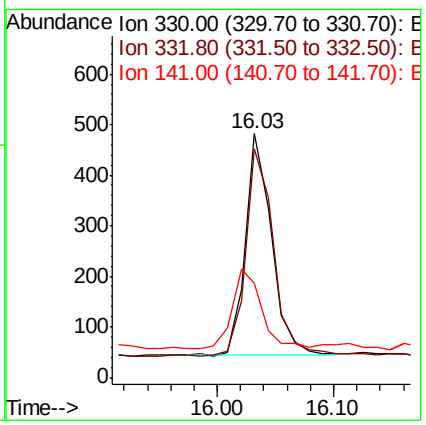


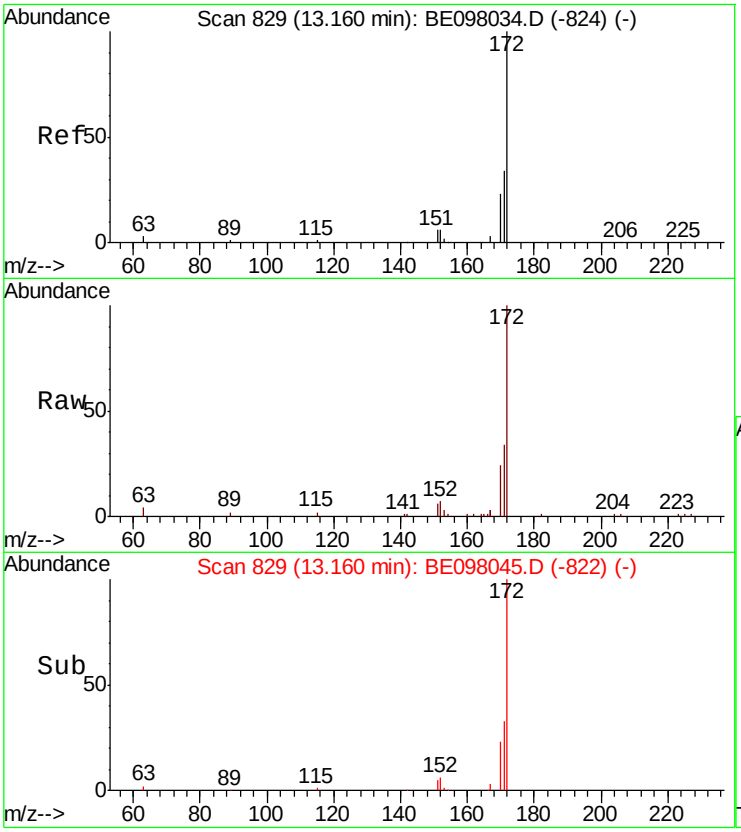


#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:330 Resp: 688

Ion	Ratio	Lower	Upper
330	100		
332	99.7	76.5	114.7
141	39.7	31.8	47.6



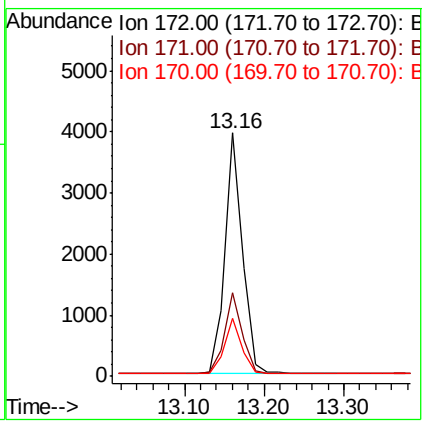


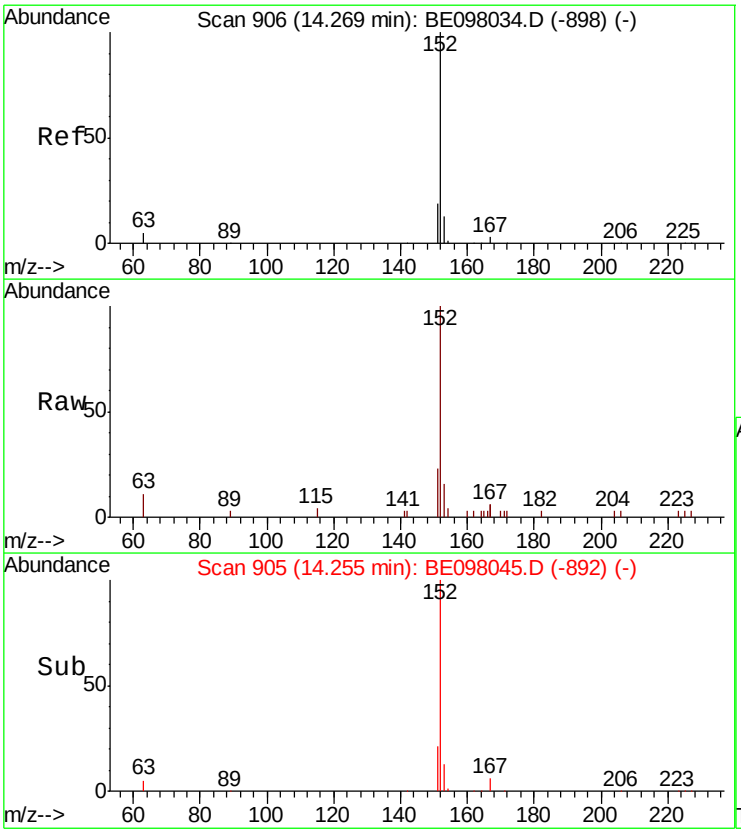
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:172 Resp: 6028

Ion	Ratio	Lower	Upper
172	100		
171	34.3	26.0	39.0
170	23.6	18.0	27.0

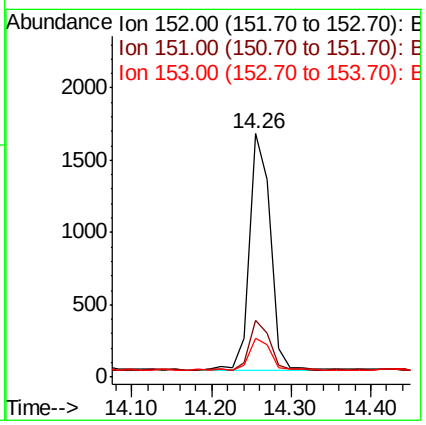


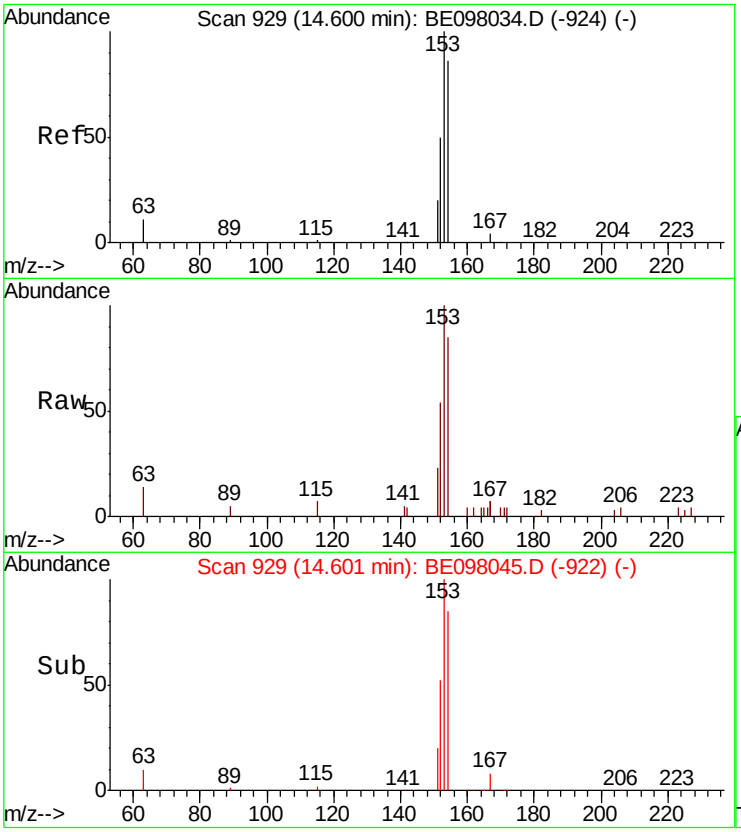


#16
Acenaphthylene
Concen: 0.173 ng
RT: 14.26 min Scan# 905
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:152 Resp: 2933

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.1	24.1
153	13.9	10.9	16.3



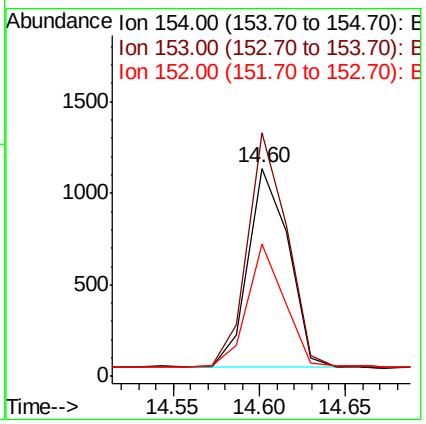


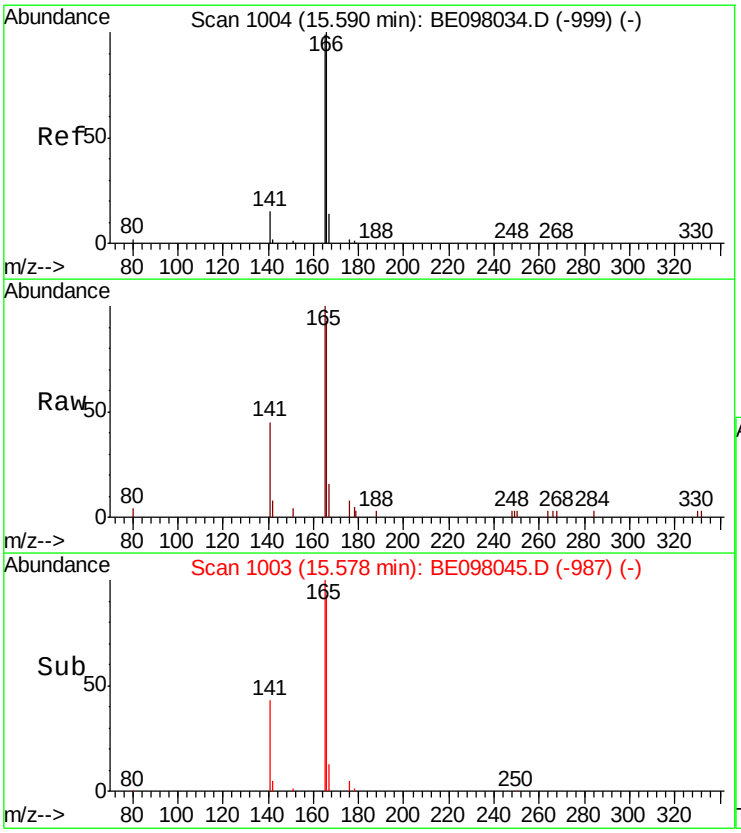
#17
Acenaphthene
Concen: 0.174 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:154 Resp: 1783

Ion	Ratio	Lower	Upper
154	100		
153	114.5	92.6	139.0
152	57.3	45.5	68.3

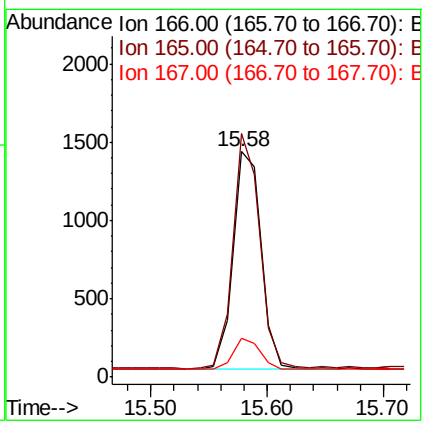


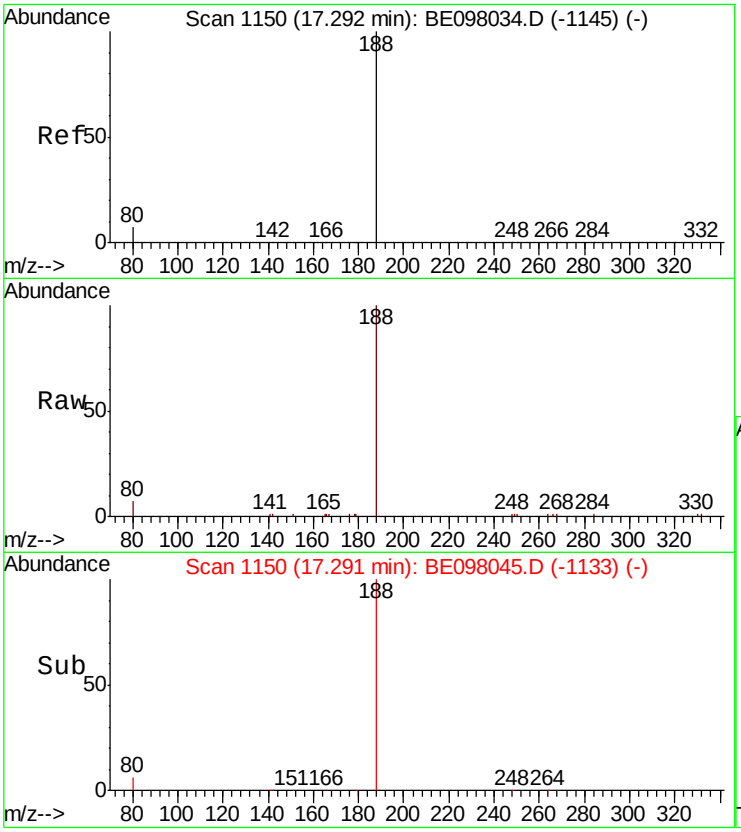


#18
Fluorene
Concen: 0.169 ng
RT: 15.58 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:166 Resp: 2328

Ion	Ratio	Lower	Upper
166	100		
165	102.7	78.2	117.4
167	14.3	11.0	16.6



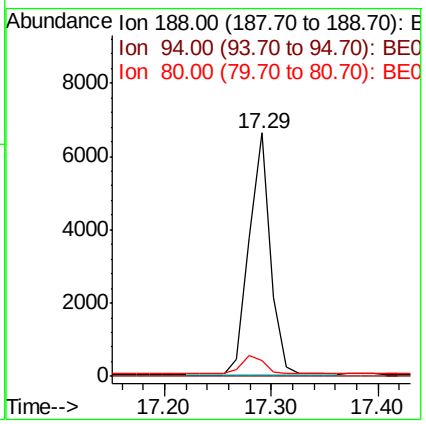


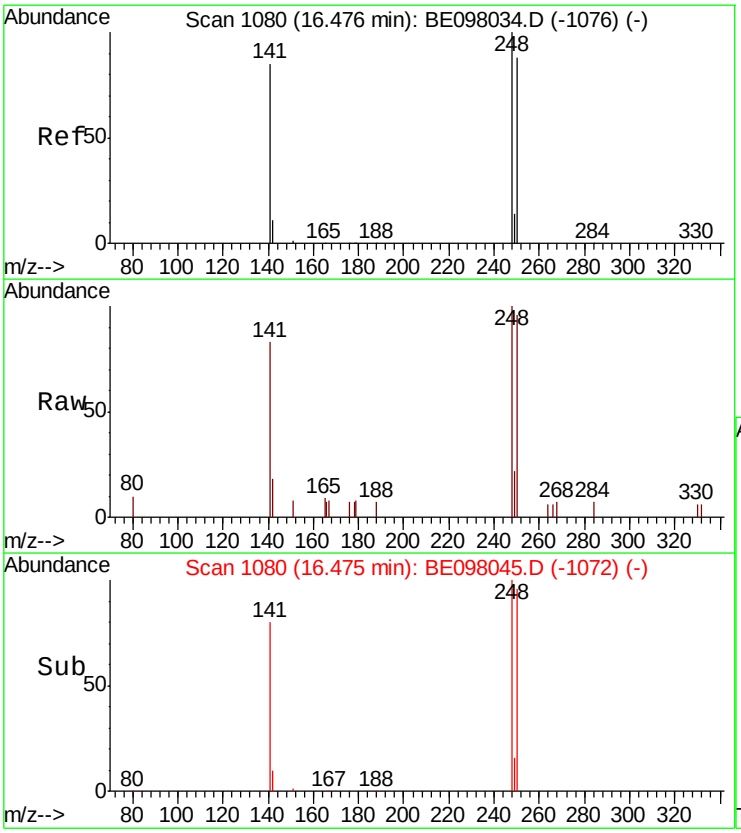
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:188 Resp: 9239

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	6.3	9.5

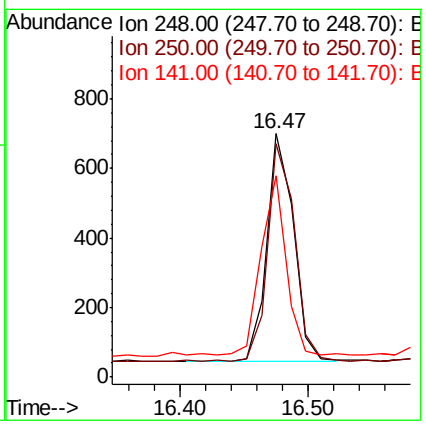


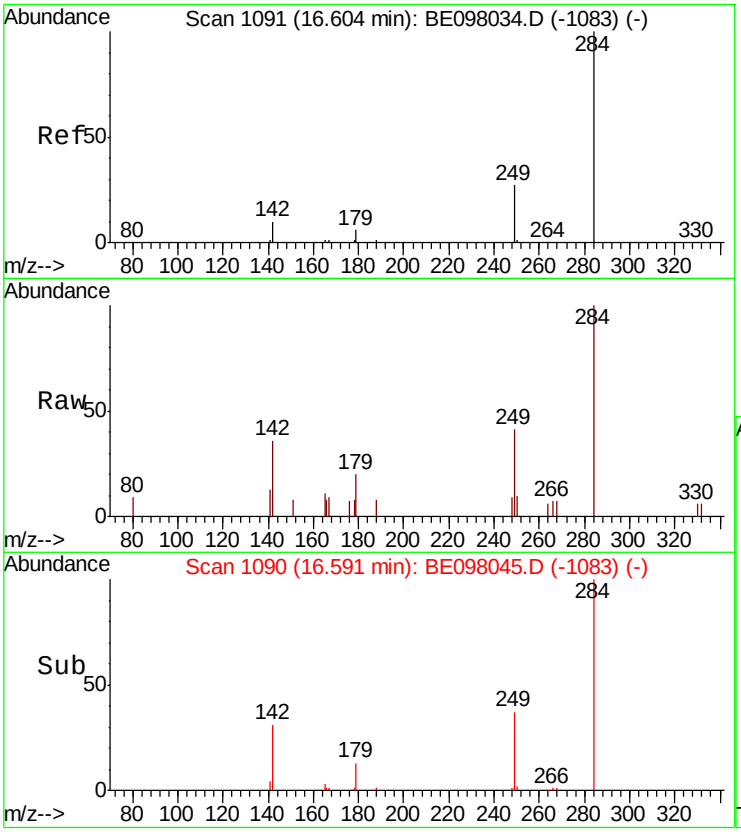


#20
4-Bromophenyl-phenylether
Concen: 0.173 ng
RT: 16.47 min Scan# 1080
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:248 Resp: 964

Ion	Ratio	Lower	Upper
248	100		
250	95.9	75.1	112.7
141	82.9	51.8	77.8#



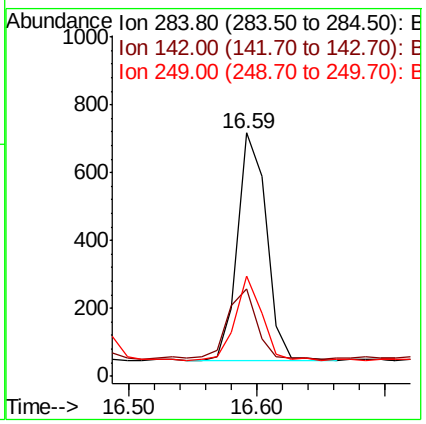


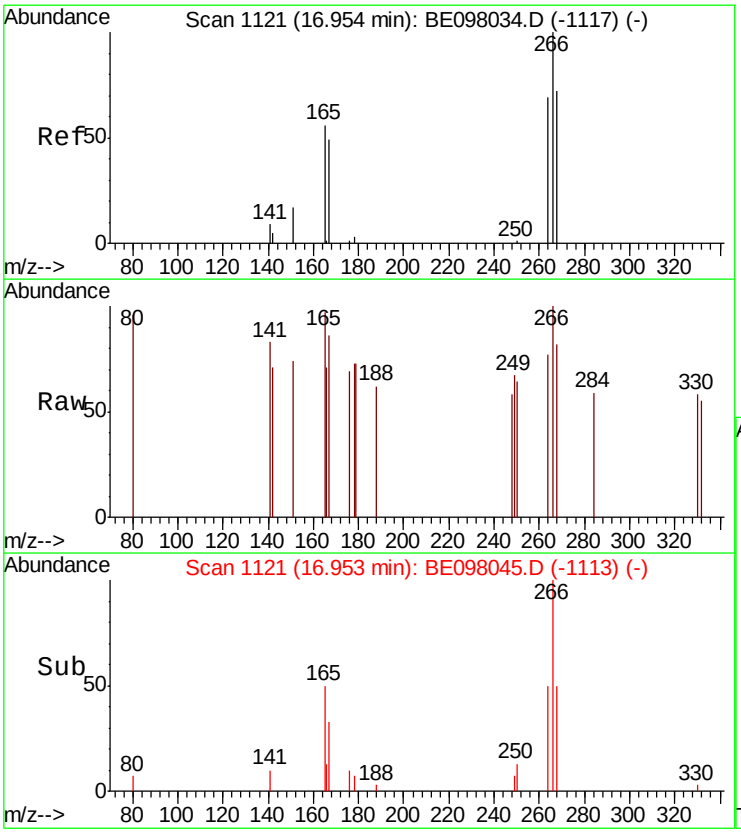
#21
Hexachlorobenzene
Concen: 0.181 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:284 Resp: 1051

Ion	Ratio	Lower	Upper
284	100		
142	32.4	25.9	38.9
249	34.3	26.6	40.0

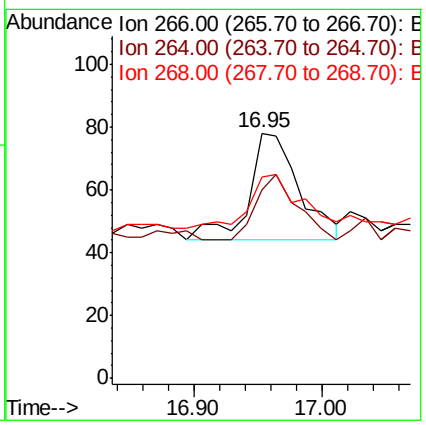


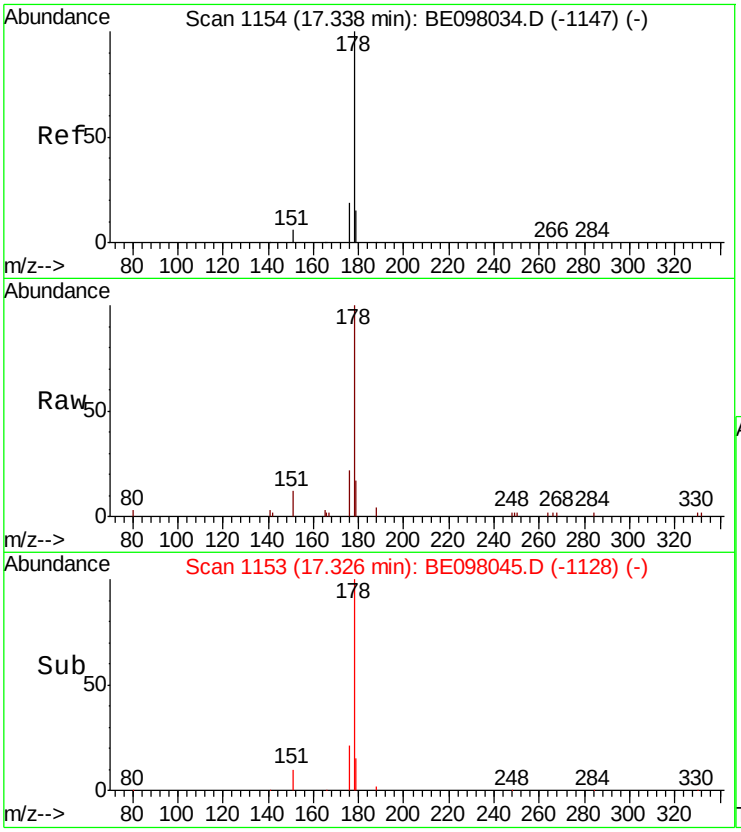


#22
Pentachlorophenol
Concen: 0.194 ng
RT: 16.95 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:266 Resp: 94

Ion	Ratio	Lower	Upper
266	100		
264	76.9	51.3	76.9#
268	82.1	50.1	75.1#



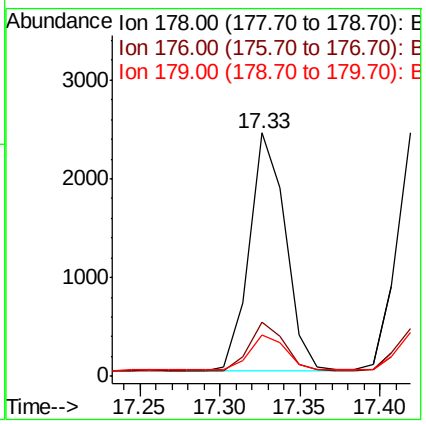


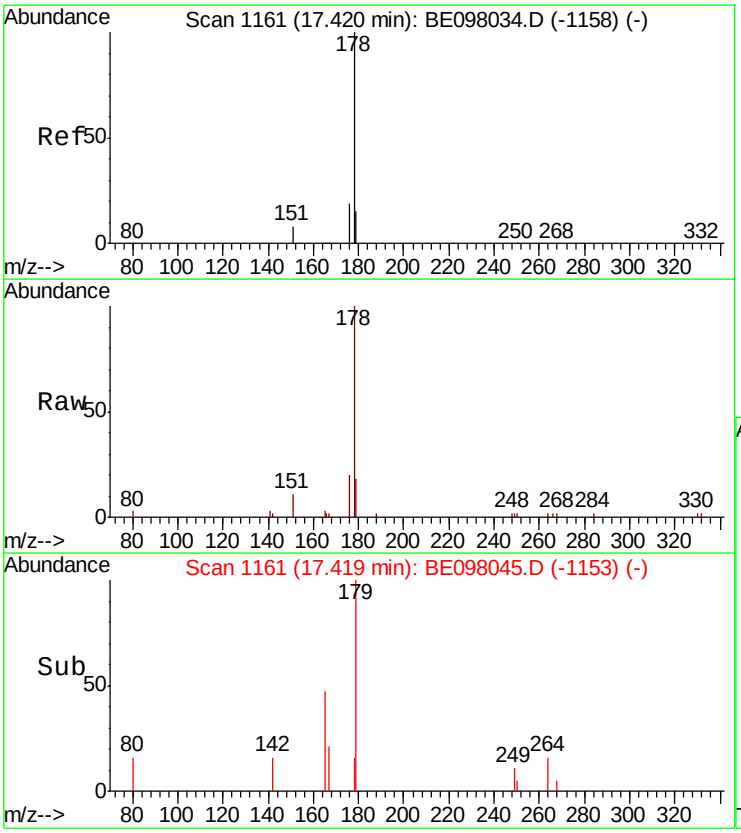
#23
Phenanthrene
Concen: 0.166 ng
RT: 17.33 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:178 Resp: 3770

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.5	23.3
179	16.3	12.2	18.4

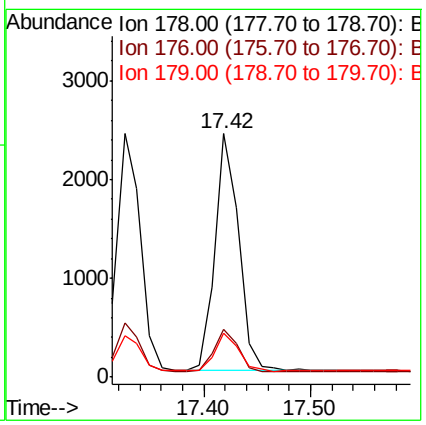


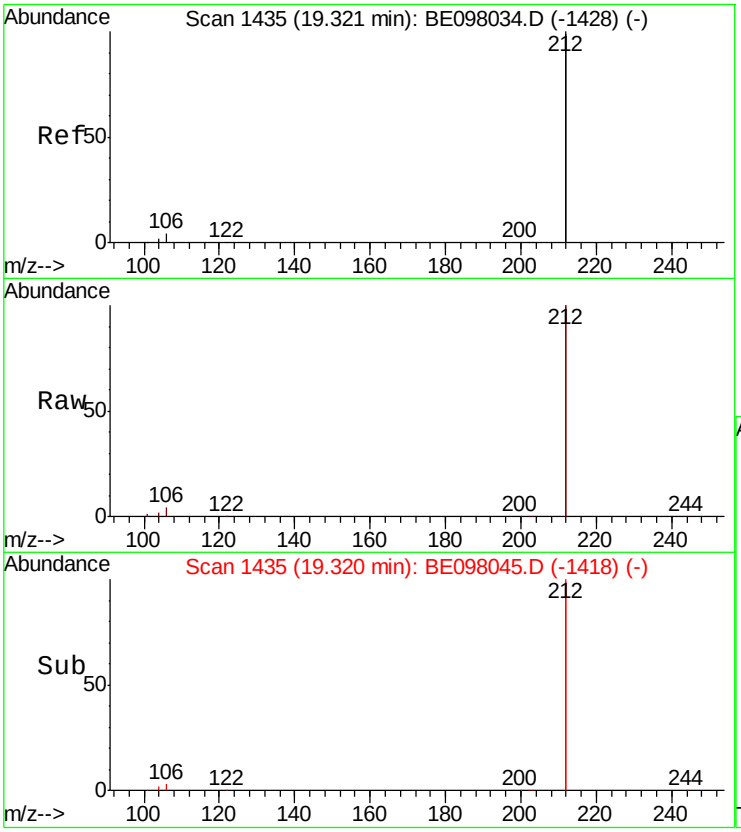


#24
Anthracene
Concen: 0.166 ng
RT: 17.42 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:178 Resp: 3703

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.9	11.9	17.9



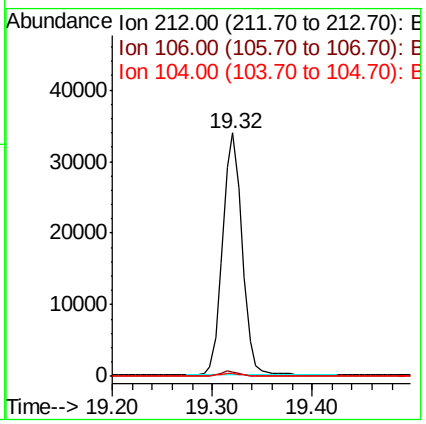


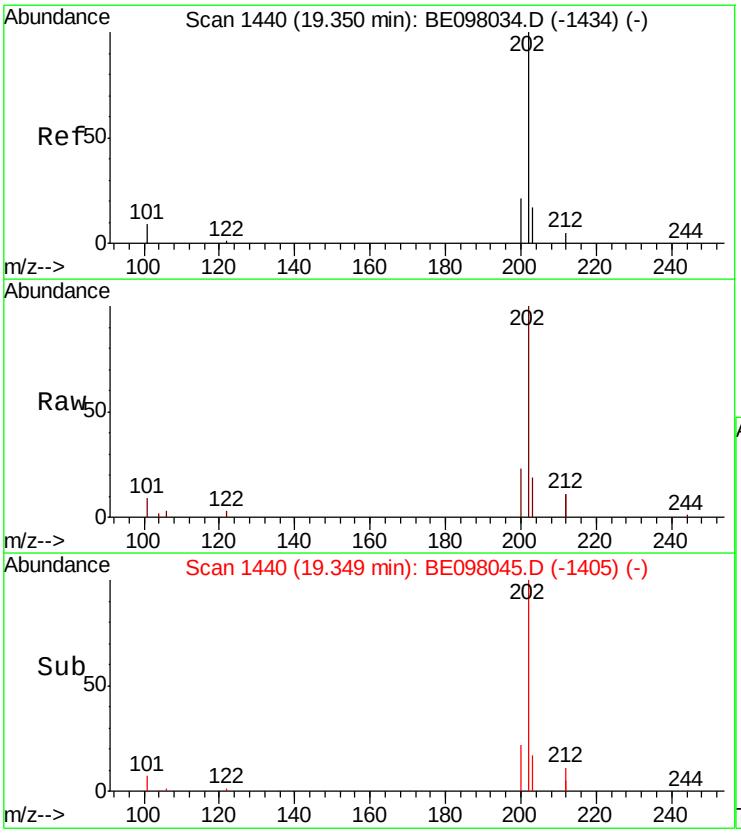
#25
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:212 Resp: 45843

Ion	Ratio	Lower	Upper
212	100		
106	2.0	2.3	3.5#
104	1.1	1.3	1.9#

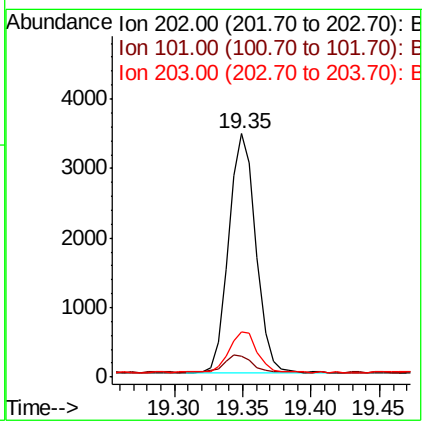


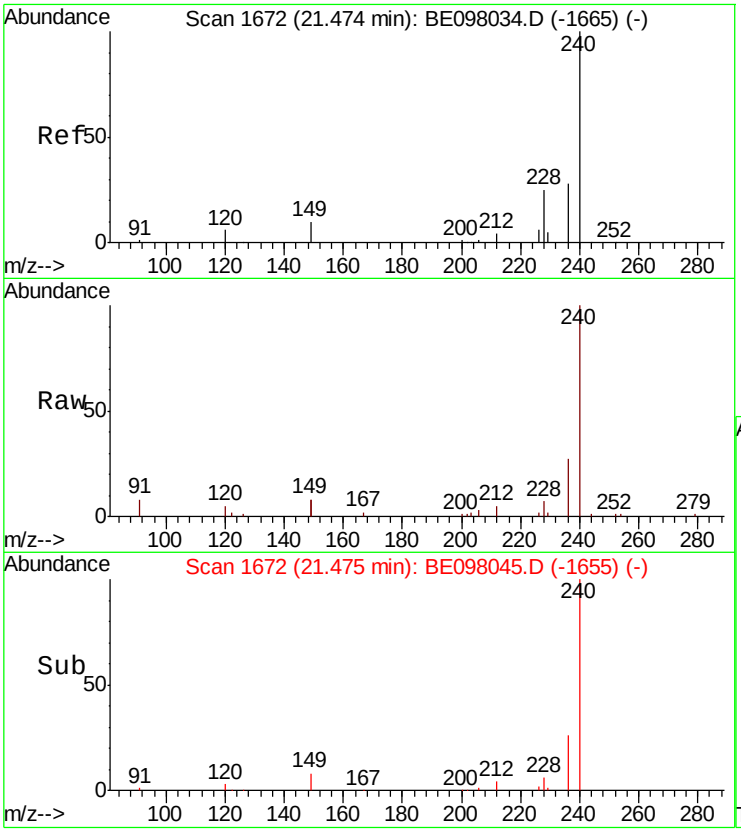


#26
Fluoranthene
Concen: 0.169 ng
RT: 19.35 min Scan# 1440
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:202 Resp: 4781

Ion	Ratio	Lower	Upper
202	100		
101	8.1	8.2	12.2#
203	17.4	15.0	22.4



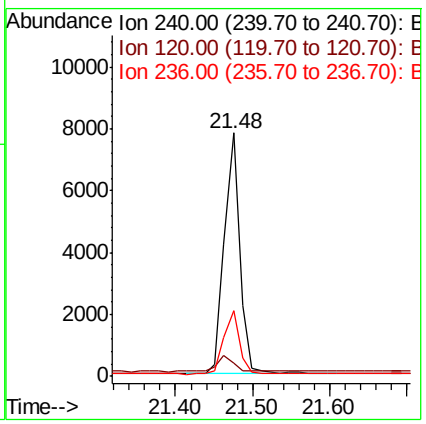


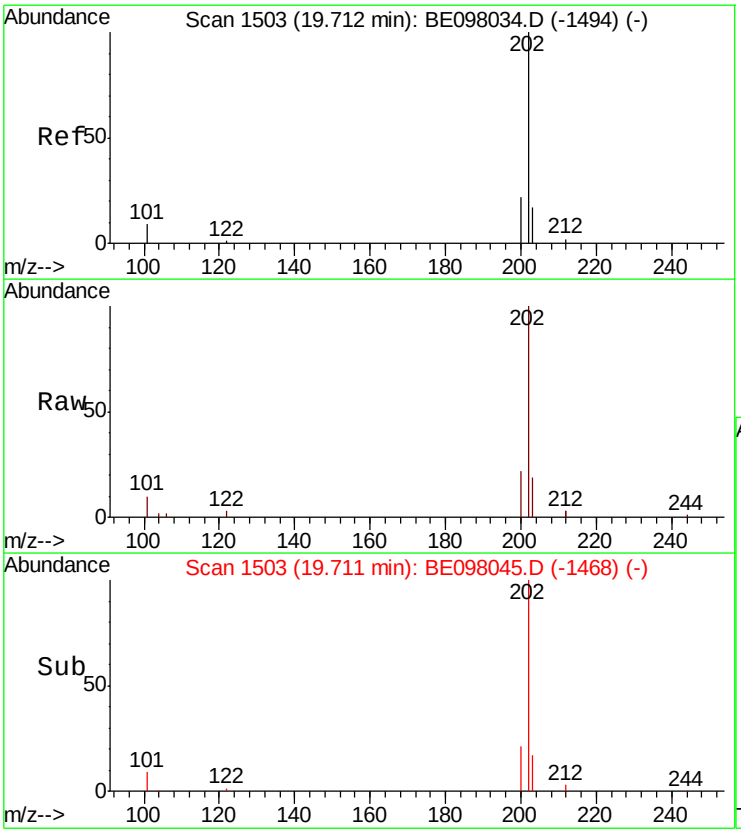
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.48 min Scan# 1672
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:240 Resp: 10875

Ion	Ratio	Lower	Upper
240	100		
120	5.2	7.1	10.7#
236	27.0	21.3	31.9

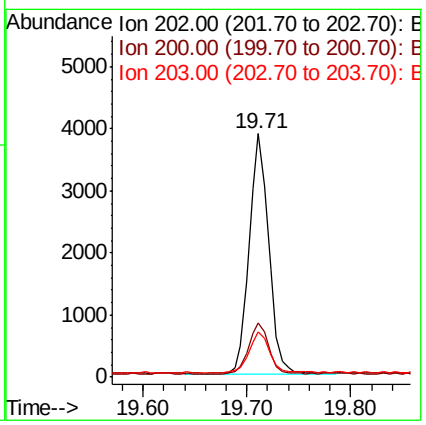


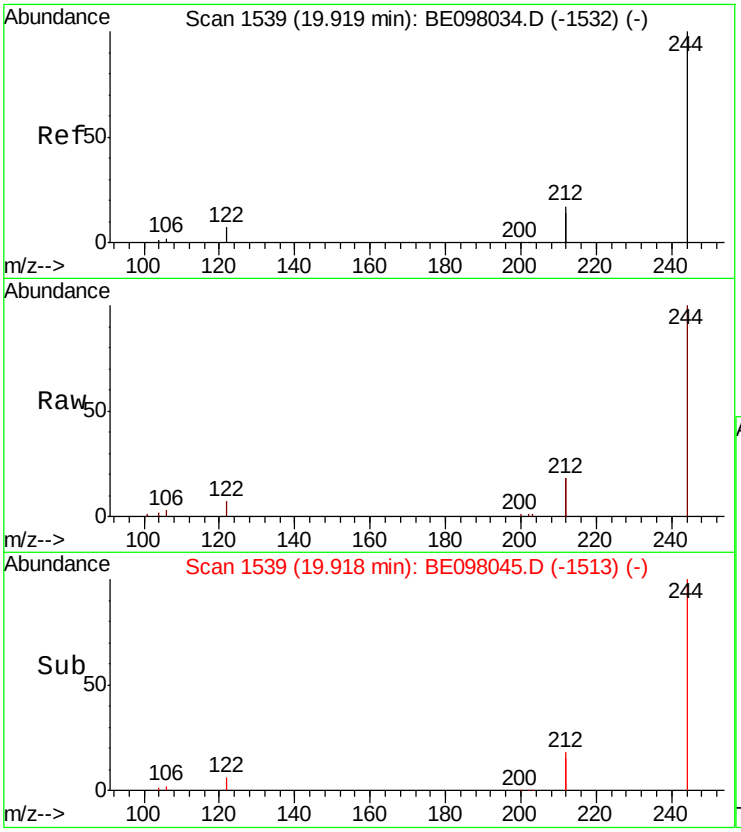


#28
Pyrene
Concen: 0.169 ng
RT: 19.71 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:202 Resp: 5064

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.3	14.2	21.4



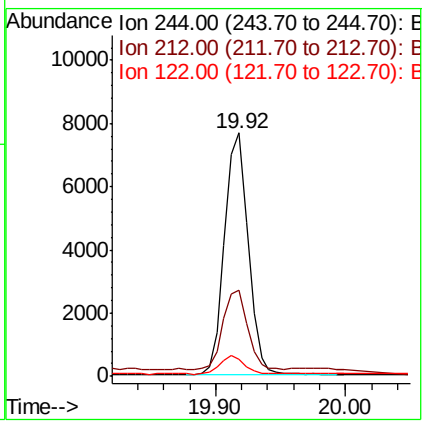


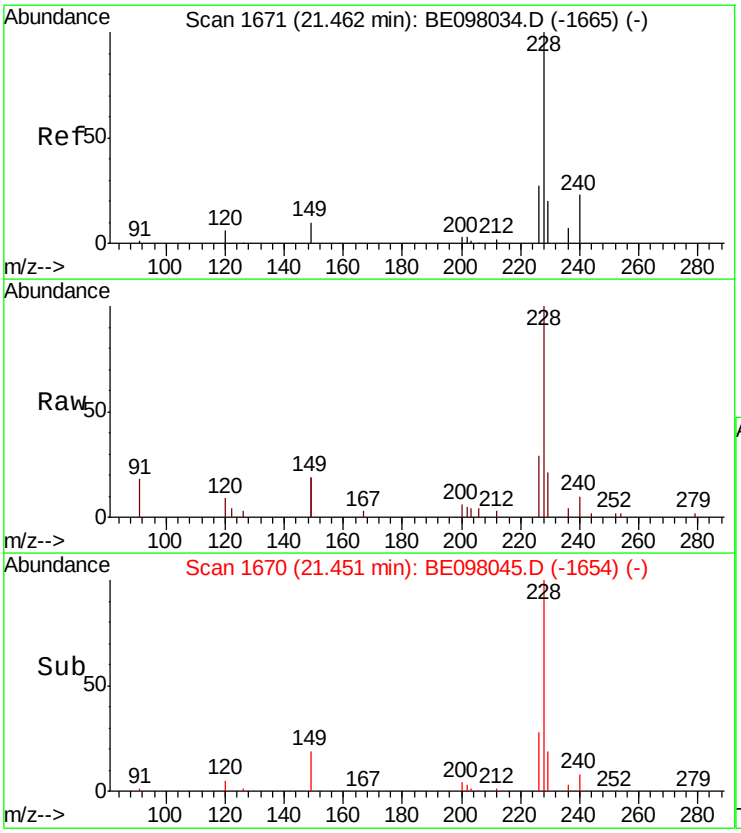
#29
Terphenyl-d14
Concen: 0.378 ng
RT: 19.92 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:244 Resp: 9692

Ion	Ratio	Lower	Upper
244	100		
212	35.5	26.2	39.2
122	6.9	7.7	11.5#

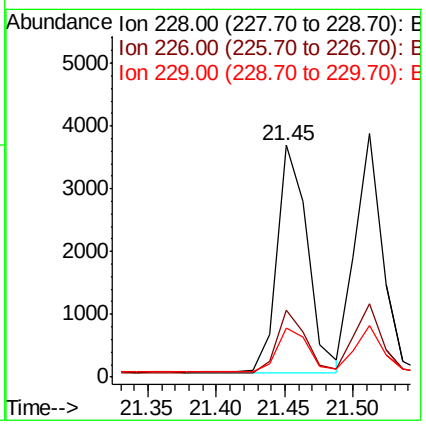


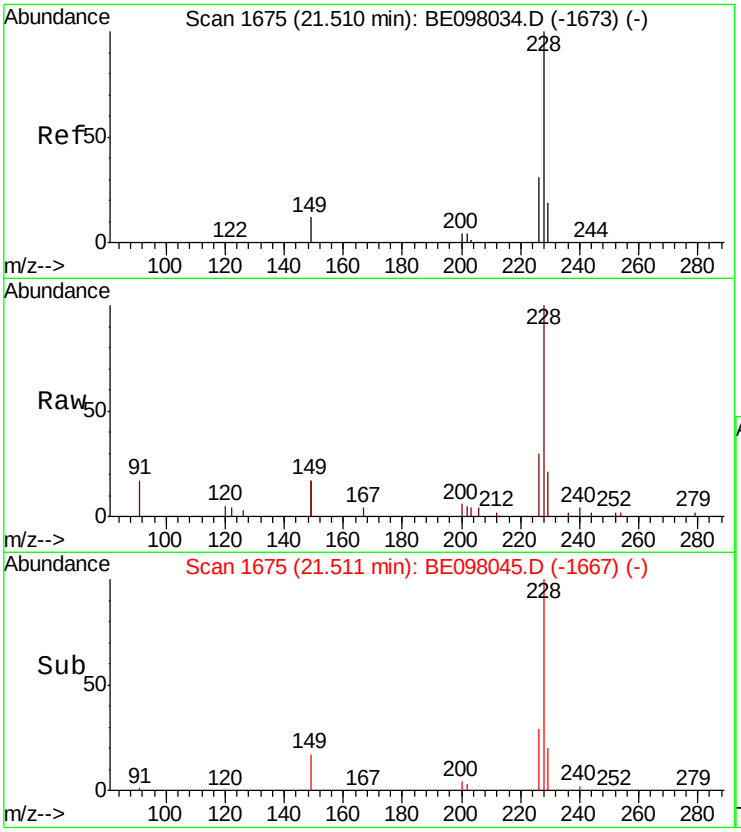


#30
Benzo(a)anthracene
Concen: 0.173 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:228 Resp: 5549

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.1	16.9	25.3



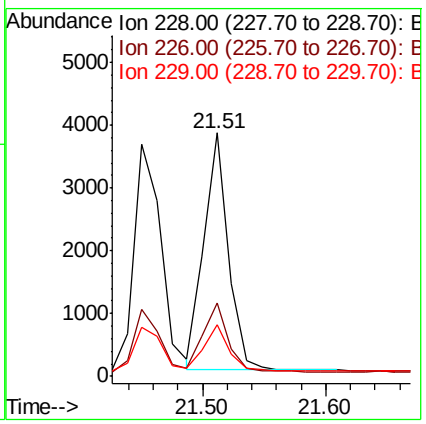


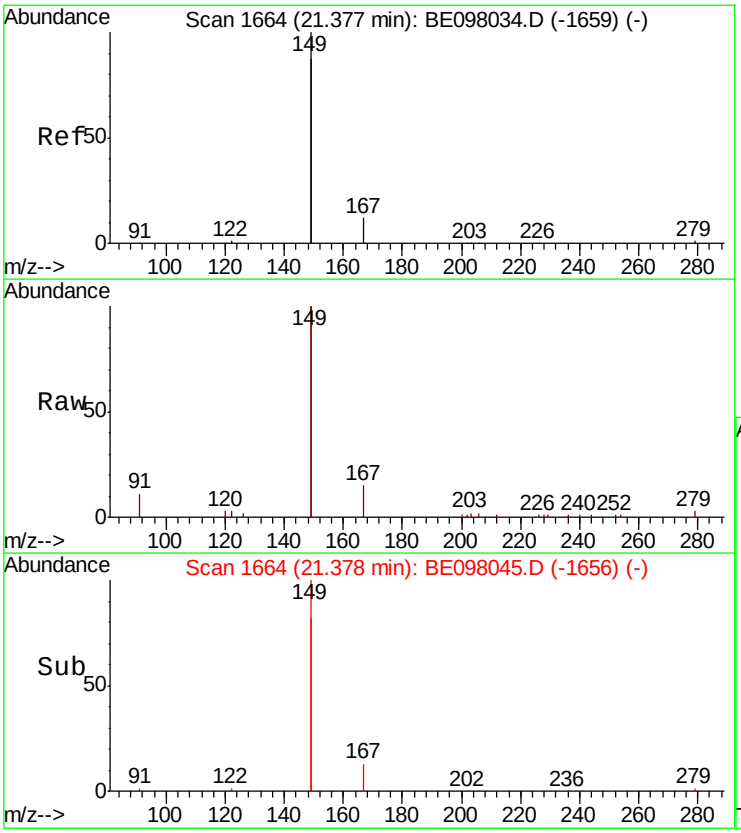
#31
Chrysene
Concen: 0.167 ng
RT: 21.51 min Scan# 1675
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:228 Resp: 5222

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	21.3	17.3	25.9

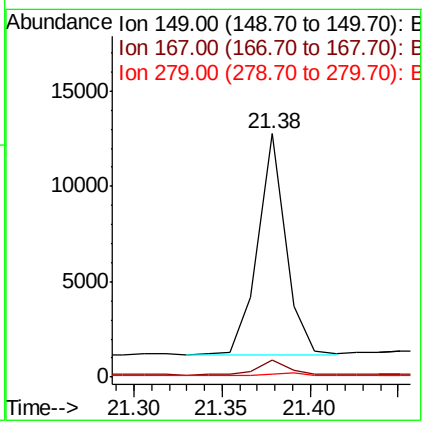


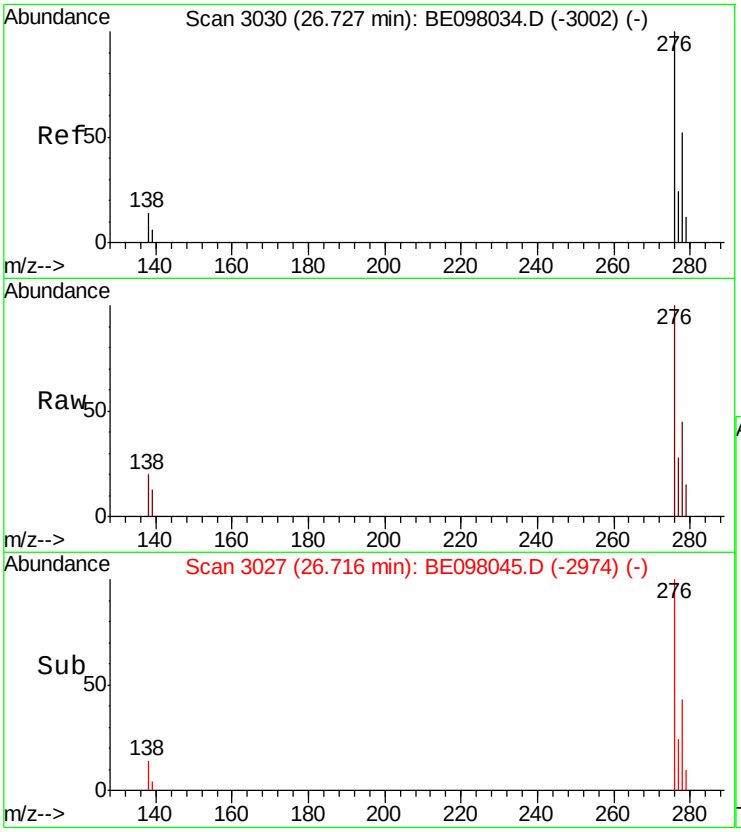


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.167 ng
RT: 21.38 min Scan# 1664
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:149 Resp: 12745

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.6	8.4
279	1.5	0.9	1.3#



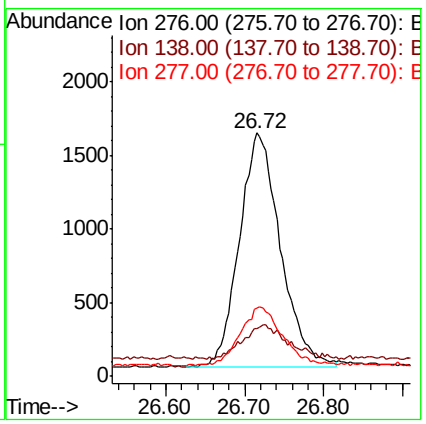


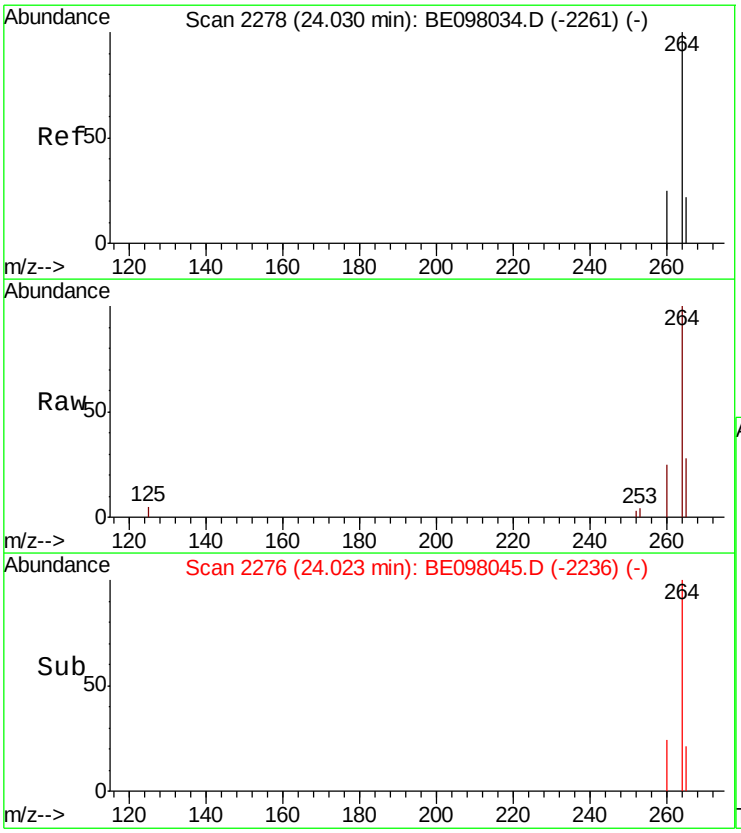
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.168 ng
RT: 26.72 min Scan# 3027
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:276 Resp: 5747

Ion	Ratio	Lower	Upper
276	100		
138	15.3	17.0	25.6#
277	25.1	20.5	30.7

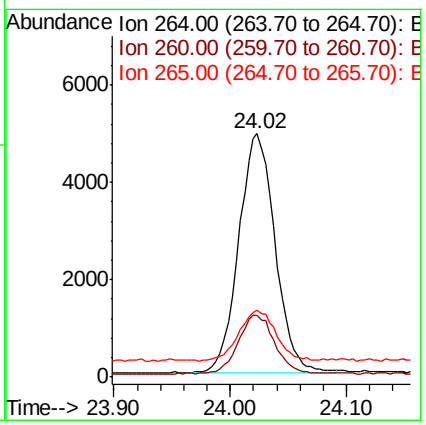


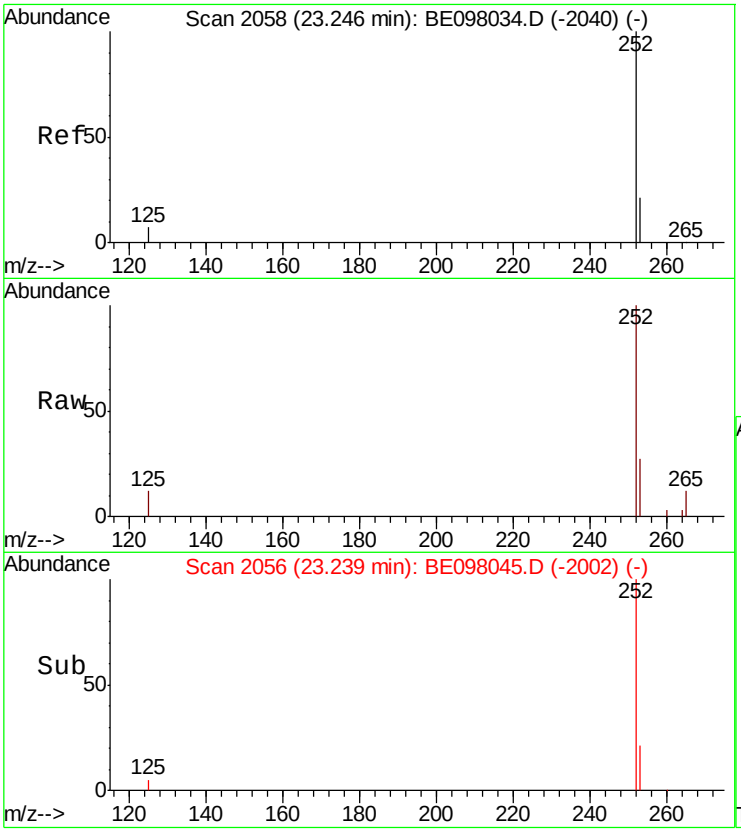


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:264 Resp: 10679

Ion	Ratio	Lower	Upper
264	100		
260	25.3	21.1	31.7
265	27.7	29.2	43.8#



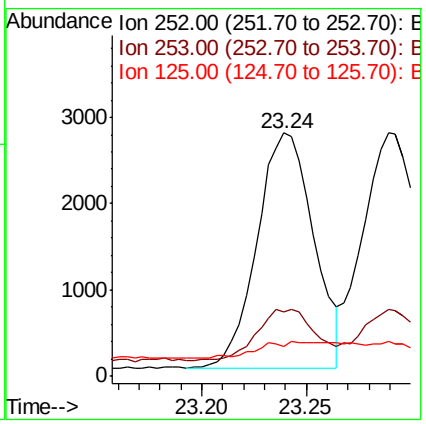


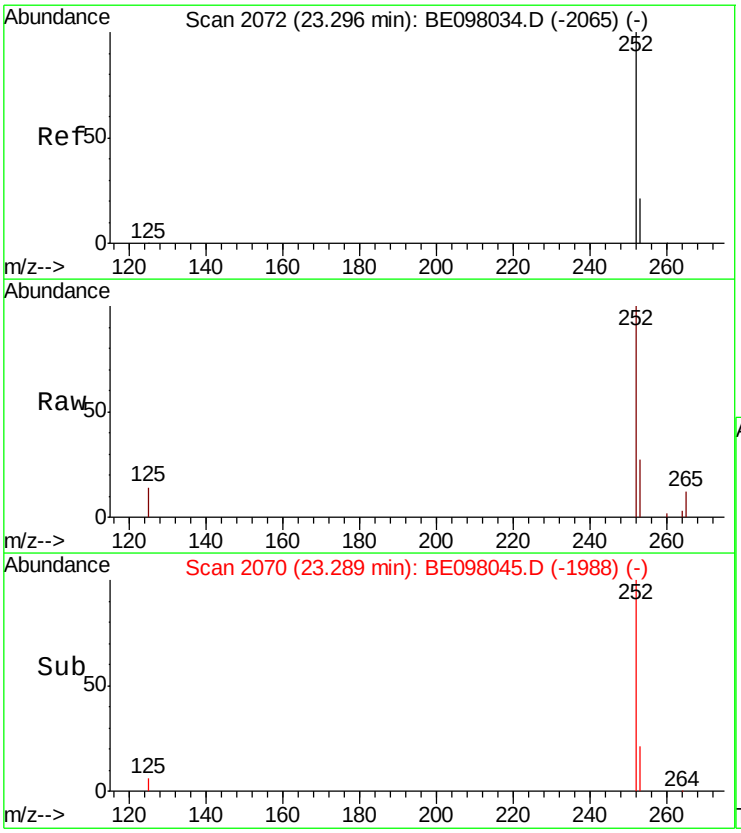
#35
Benzo(b)fluoranthene
Concen: 0.172 ng
RT: 23.24 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:252 Resp: 5101

Ion	Ratio	Lower	Upper
252	100		
253	26.5	20.6	31.0
125	12.4	14.3	21.5#

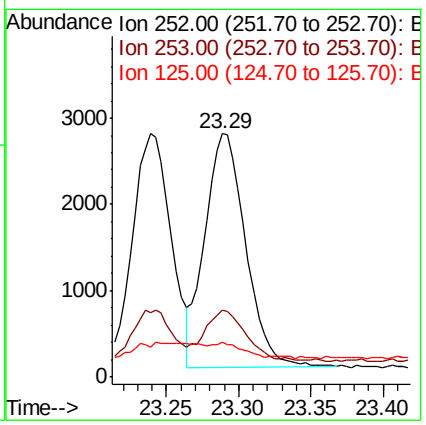


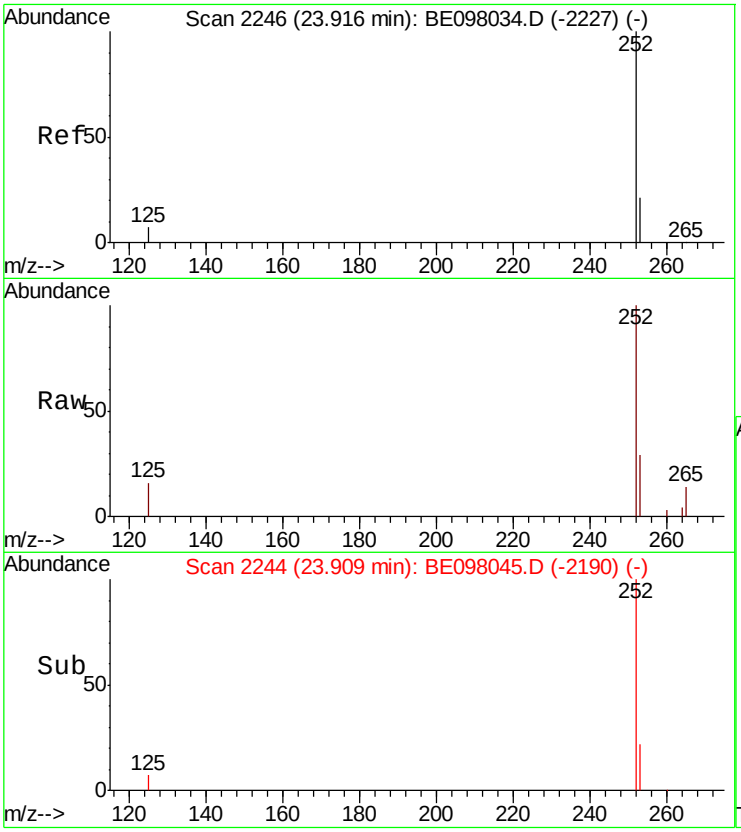


#36
Benzo(k)fluoranthene
Concen: 0.173 ng
RT: 23.29 min Scan# 2070
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:252 Resp: 5320

Ion	Ratio	Lower	Upper
252	100		
253	27.4	20.4	30.6
125	14.1	14.6	21.8#



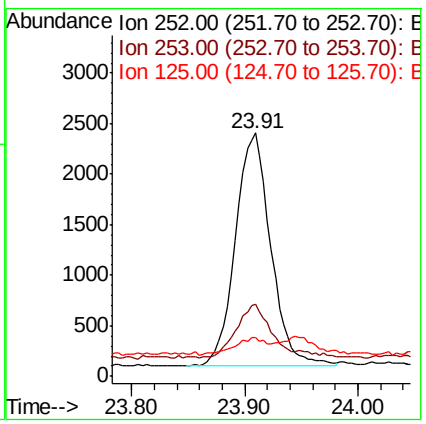


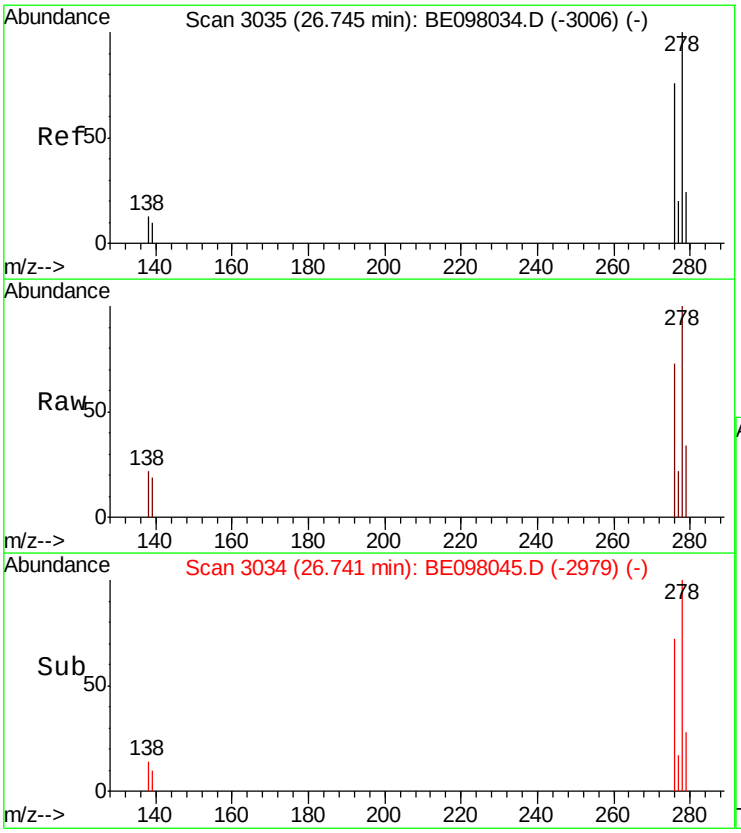
#37
Benzo(a)pyrene
Concen: 0.172 ng
RT: 23.91 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:252 Resp: 5014

Ion	Ratio	Lower	Upper
252	100		
253	29.4	20.6	31.0
125	15.9	15.6	23.4

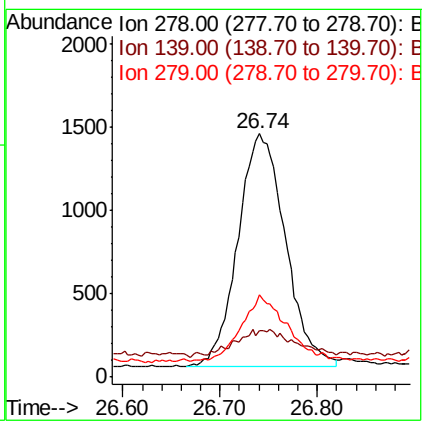


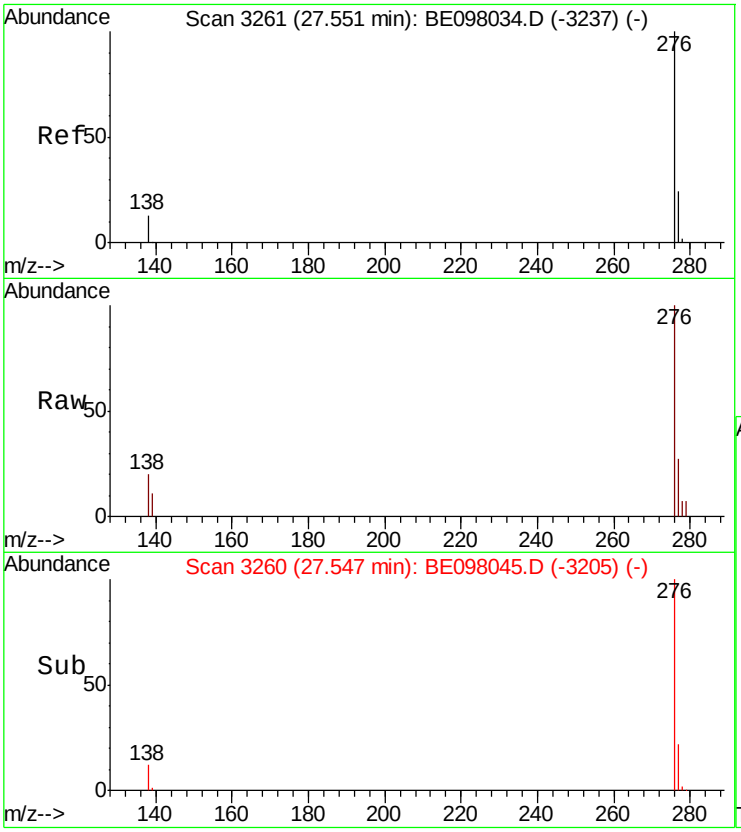


#38
Dibenzo(a,h)anthracene
Concen: 0.166 ng
RT: 26.74 min Scan# 3034
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:278 Resp: 4728

Ion	Ratio	Lower	Upper
278	100		
139	19.1	16.3	24.5
279	33.6	21.4	32.2#





#39
Benzo(g,h,i)perylene
Concen: 0.172 ng
RT: 27.55 min Scan# 3260
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:276 Resp: 4853

Ion	Ratio	Lower	Upper
276	100		
277	26.7	22.1	33.1
138	20.0	19.3	28.9