Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011120\
Data File : BE101032.D
Acq On : 10 Jan 2020 20:41
Operator : JU
Sample : K3591-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-WATER-02-QT3-2019

Quant Time: Jan 11 01:48:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3249	0.40	ng		0.00
7) Naphthalene-d8	10.51	136	14282	0.40	ng		0.01
13) Acenaphthene-d10	14.35	164	9086	0.40	ng		0.00
19) Phenanthrene-d10	17.09	188	19831	0.40	ng		0.00
27) Chrysene-d12	21.28	240	15682	0.40	ng		0.00
34) Perylene-d12	23.69	264	19559	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	2250	0.31	ng		0.00
5) Phenol-d6	6.92	99	2245	0.24	ng		0.00
8) Nitrobenzene-d5	8.90	82	2462	0.24	ng		0.02
11) 2-Methylnaphthalene-d10	12.12	152	8834	0.32	ng		0.01
14) 2,4,6-Tribromophenol	15.85	330	564	0.22	ng		0.00
15) 2-Fluorobiphenyl	13.00	172	13358	0.39	ng		0.00
25) Fluoranthene-d10	19.13	212	80715	0.29	ng		0.00
29) Terphenyl-d14	19.74	244	15955	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	1688m	0.132	ng		
3) n-Nitrosodimethylamine	3.64	42	348m	0.077	ng		
6) bis(2-Chloroethyl)ether	7.19	93	640	0.058	ng		96
9) Naphthalene	10.56	128	14120	0.089	ng	#	96
10) Hexachlorobutadiene	10.85	225	648	0.096	ng		98
12) 2-Methylnaphthalene	12.19	142	2128	0.089	ng	#	89
16) Acenaphthylene	14.08	152	2637	0.071	ng		99
17) Acenaphthene	14.43	154	2124	0.080	ng		99
18) Fluorene	15.41	166	2502	0.075	ng		95
20) 4-Bromophenyl-phenylether	16.30	248	874	0.090	ng		93
21) Hexachlorobenzene	16.41	284	913	0.086	ng		98
22) Pentachlorophenol	16.76	266	315	0.335	ng		94
23) Phenanthrene	17.15	178	4147	0.077	ng		98
24) Anthracene	17.24	178	4212	0.082	ng		94
26) Fluoranthene	19.16	202	5387	0.079	ng		99
28) Pyrene	19.52	202	5164	0.088	ng		97
30) Benzo(a)anthracene	21.26	228	3034m	0.068	ng		
31) Chrysene	21.31	228	6718	0.101	ng		99
32) Bis(2-ethylhexyl)phthalate	21.20	149	8785	0.118	ng	#	100
33) Indeno(1,2,3-cd)pyrene	26.24	276	4247	0.081	ng	#	85
35) Benzo(b)fluoranthene	22.96	252	3414	0.062	ng	#	87
36) Benzo(k)fluoranthene	23.00	252	5756	0.072	ng	#	68
37) Benzo(a)pyrene	23.59	252	3626m	0.068	ng		
38) Dibenzo(a,h)anthracene	26.28	278	2629	0.054	ng	#	66
39) Benzo(g,h,i)perylene	27.01	276	4999	0.083	ng		94

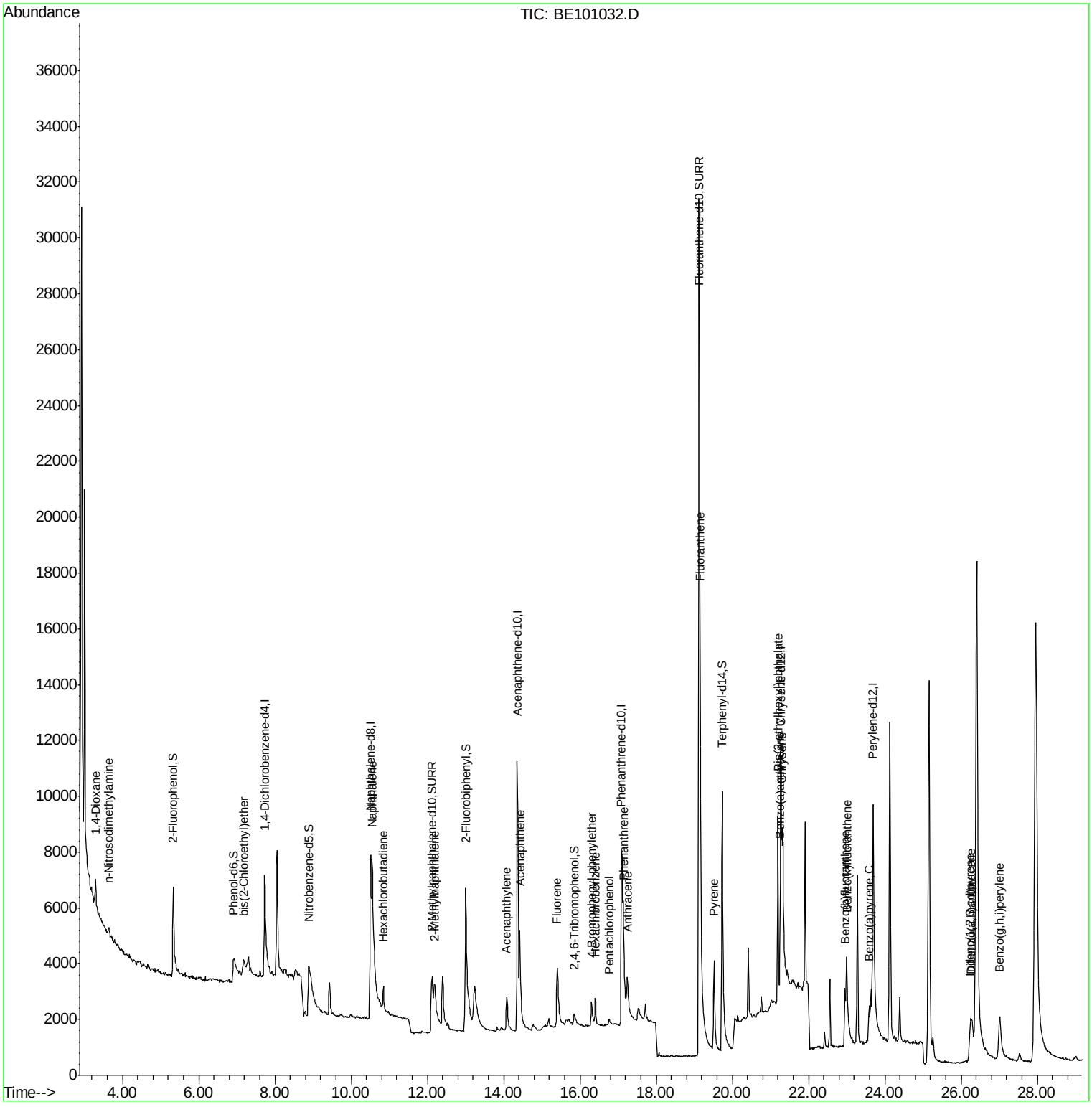
(#) = qualifier out of range (m) = manual integration (+) = signals summed

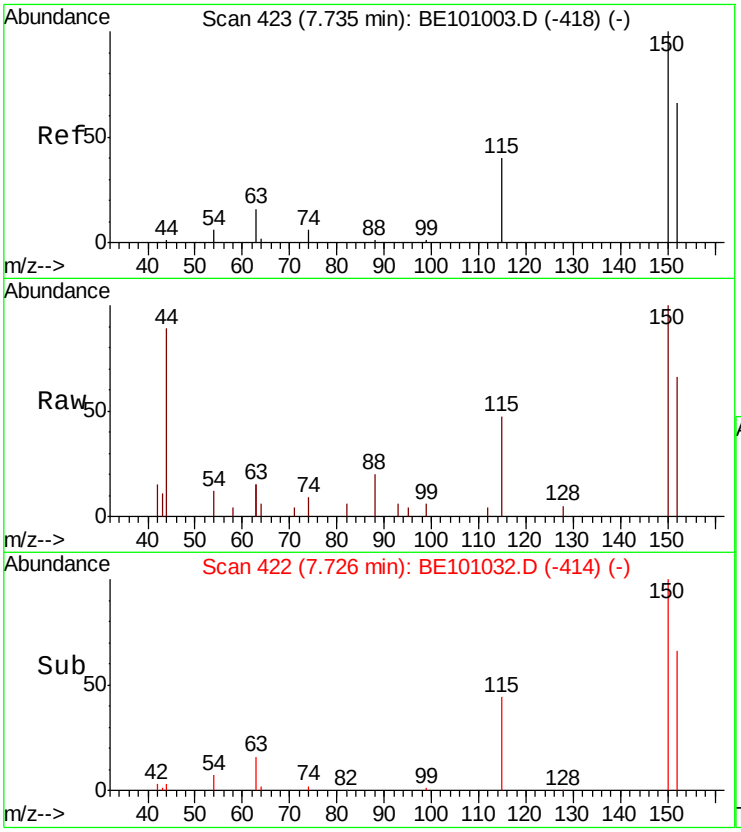
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011120\
Data File : BE101032.D
Acq On : 10 Jan 2020 20:41
Operator : JU
Sample : K3591-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Quant Time: Jan 11 01:48:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration



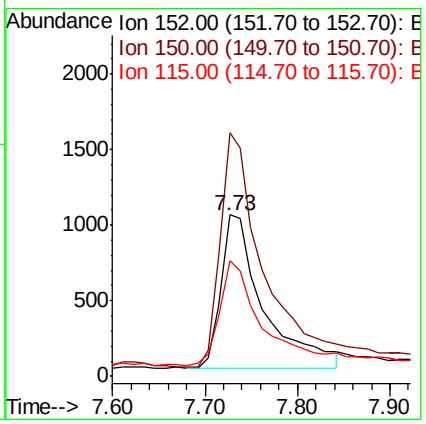


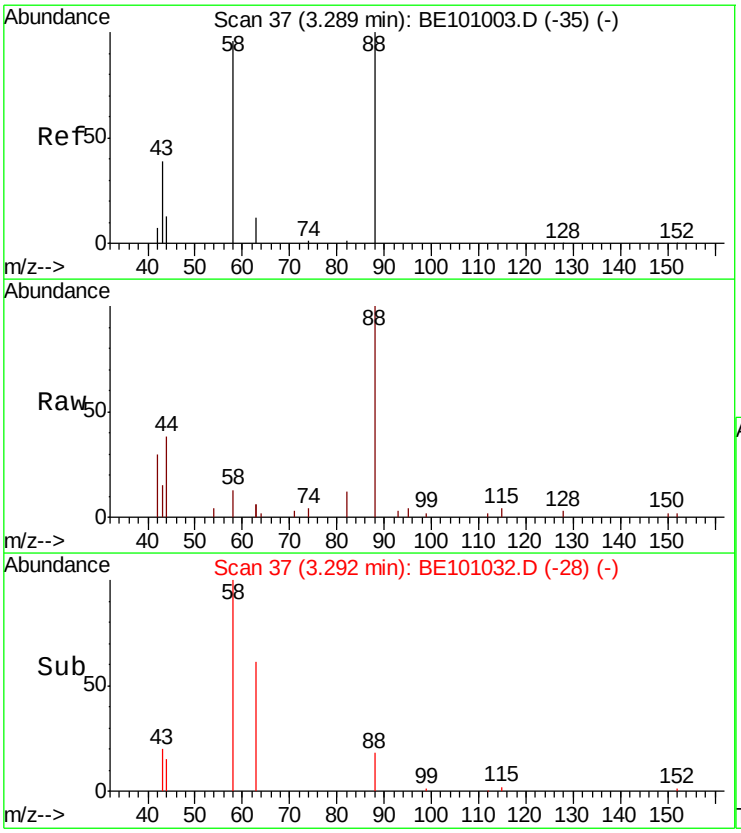
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:152 Resp: 3249

Ion	Ratio	Lower	Upper
152	100		
150	150.7	120.3	180.5
115	71.3	51.7	77.5

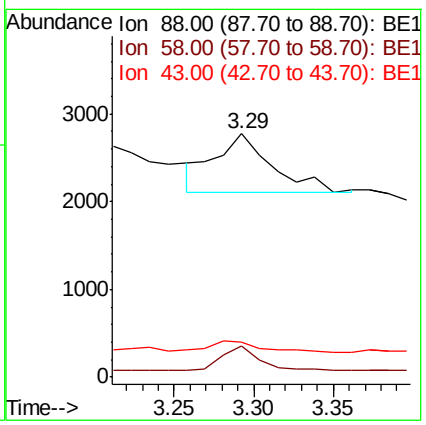


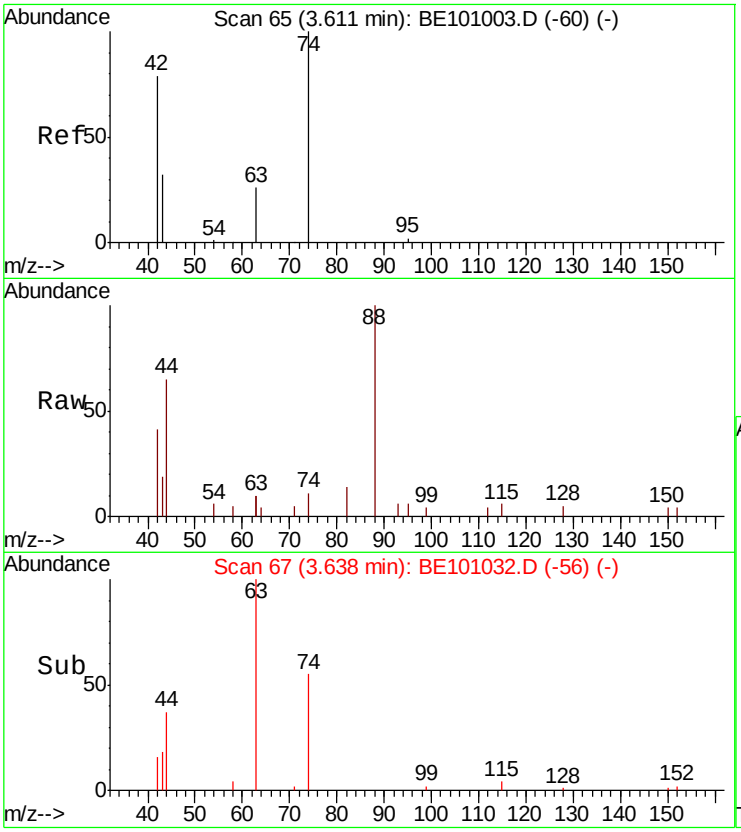


#2
1,4-Dioxane
Concen: 0.132 ng m
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion: 88 Resp: 1688

Ion	Ratio	Lower	Upper
88	100		
58	25.5	53.0	79.4#
43	14.1	23.4	35.2#



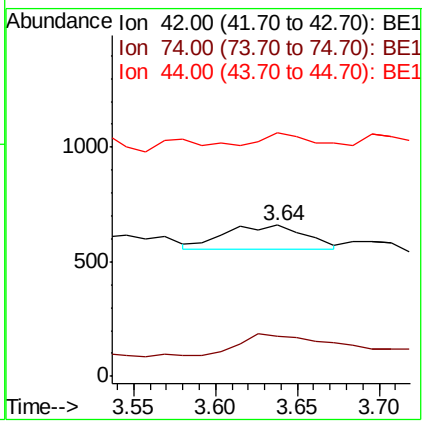


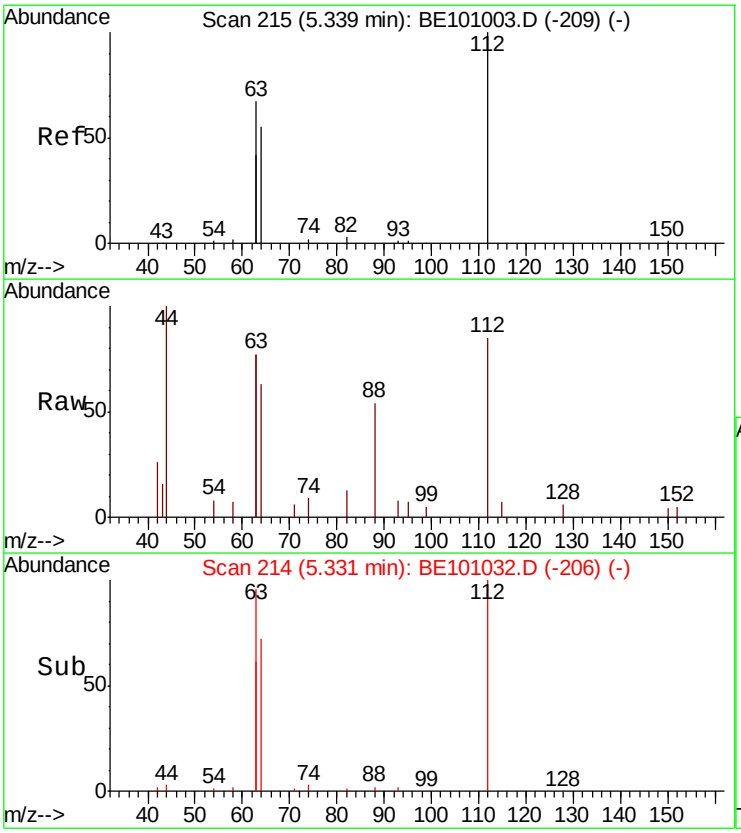
#3
n-Nitrosodimethylamine
Concen: 0.077 ng m
RT: 3.64 min Scan# 67
Delta R.T. 0.03 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion: 42 Resp: 348

Ion	Ratio	Lower	Upper
42	100		
74	81.9	105.7	158.5#
44	26.4	10.0	15.0#

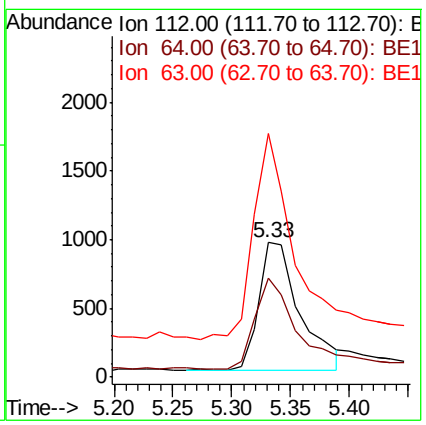


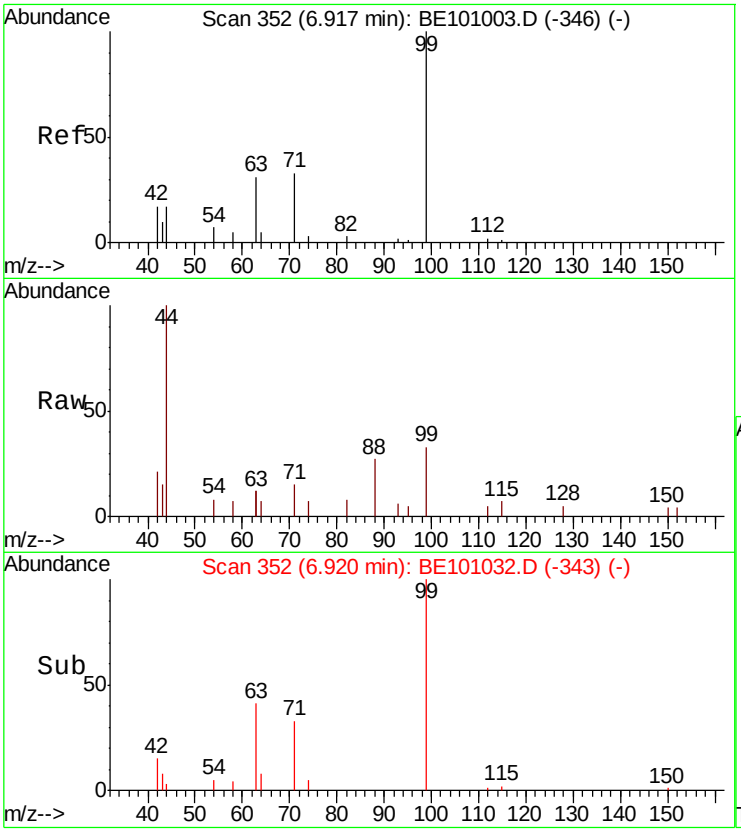


#4
2-Fluorophenol
Concen: 0.308 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:112 Resp: 2250

Ion	Ratio	Lower	Upper
112	100		
64	71.5	53.6	80.4
63	156.2	114.6	172.0



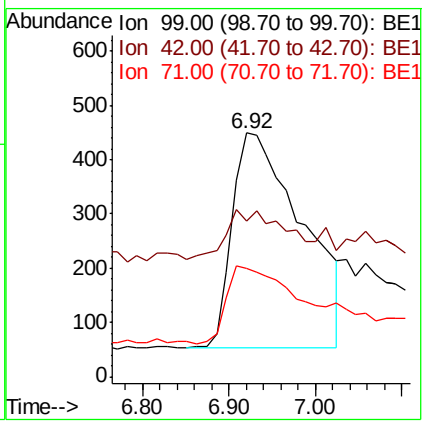


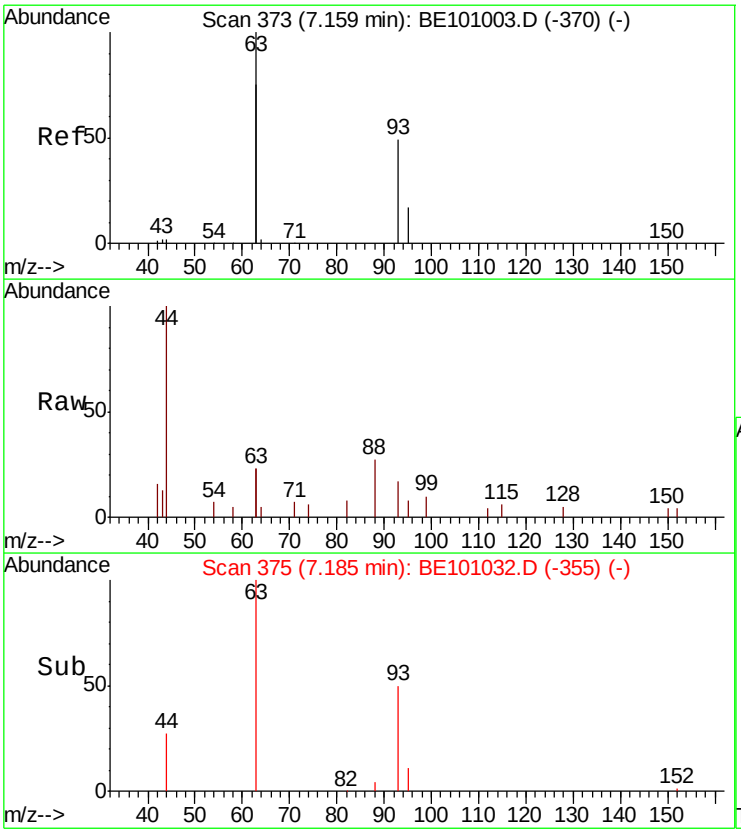
#5
Phenol-d6
Concen: 0.243 ng
RT: 6.92 min Scan# 352
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion: 99 Resp: 2245

Ion	Ratio	Lower	Upper
99	100		
42	19.8	18.3	27.5
71	40.0	28.0	42.0

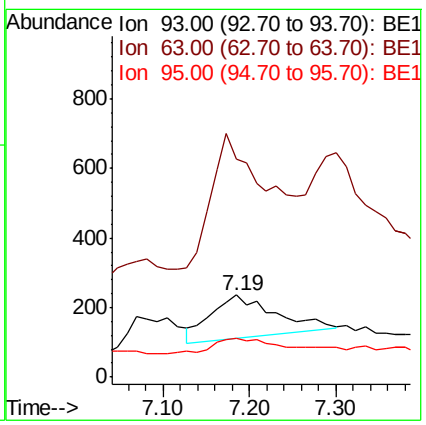


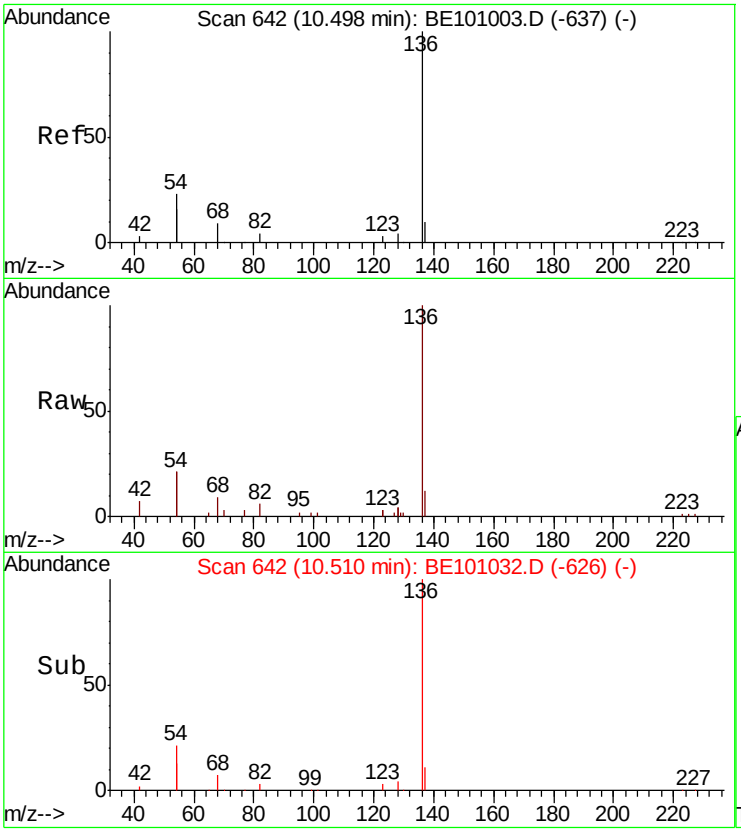


#6
bis(2-Chloroethyl)ether
Concen: 0.058 ng
RT: 7.19 min Scan# 375
Delta R.T. 0.03 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion: 93 Resp: 640

Ion	Ratio	Lower	Upper
93	100		
63	286.1	233.9	350.9
95	33.1	23.5	35.3



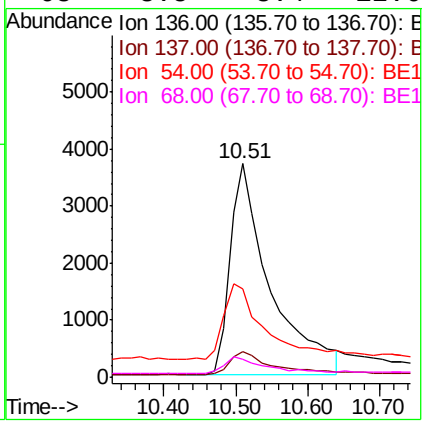


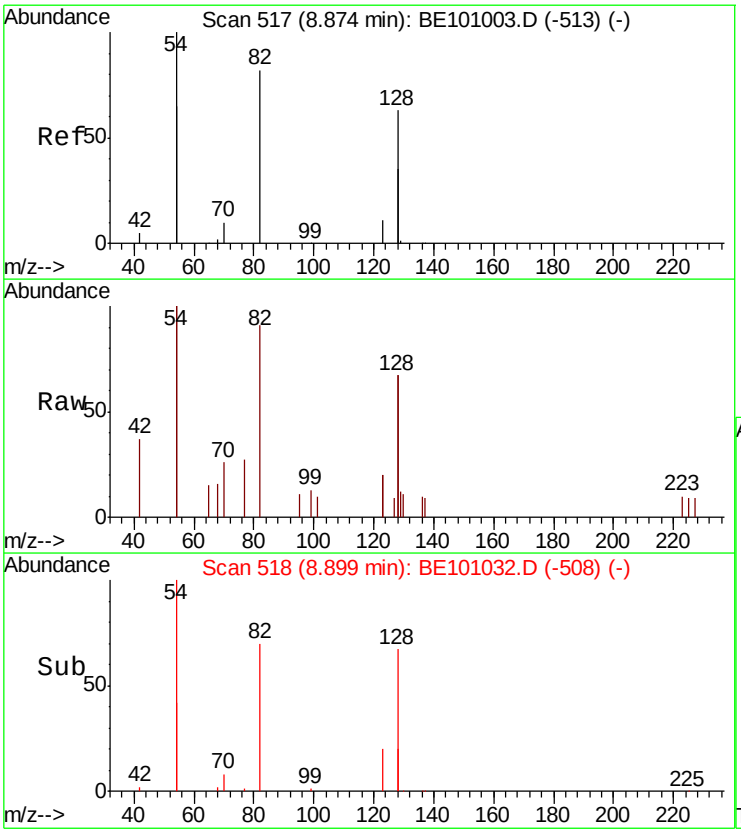
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.51 min Scan# 642
Delta R.T. 0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:136 Resp: 14282

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	41.4	36.8	55.2
68	8.5	8.4	12.6

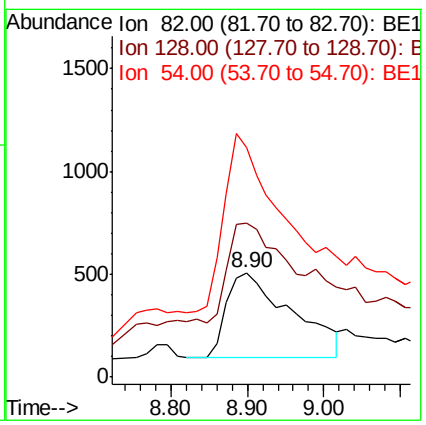


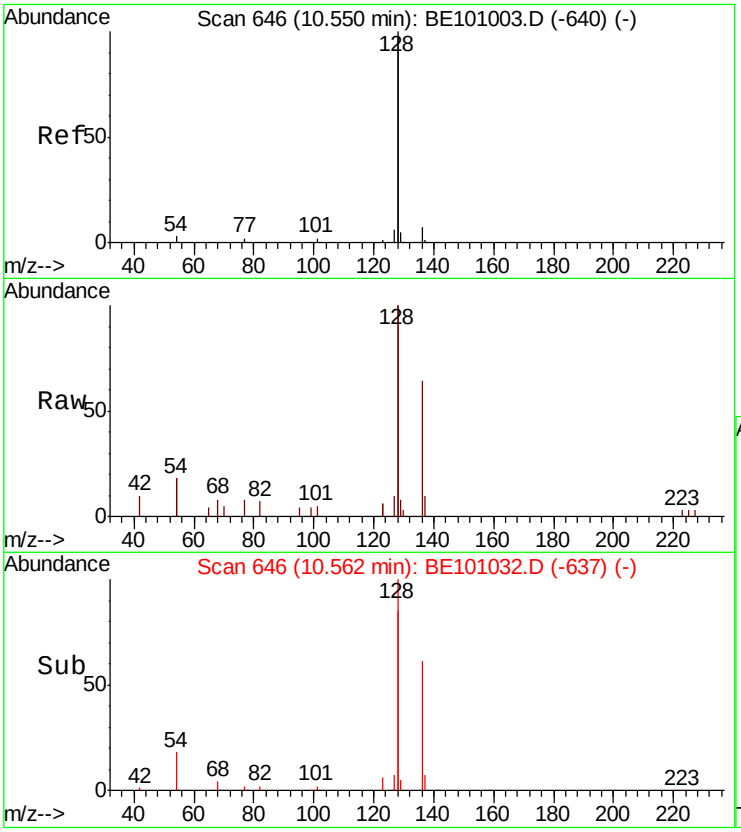


#8
Nitrobenzene-d5
Concen: 0.241 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.02 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion: 82 Resp: 2462

Ion	Ratio	Lower	Upper
82	100		
128	147.1	109.8	164.6
54	220.1	174.5	261.7



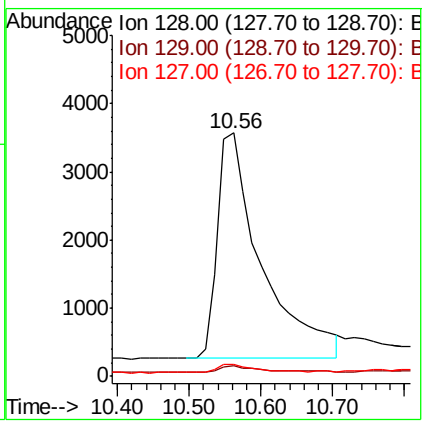


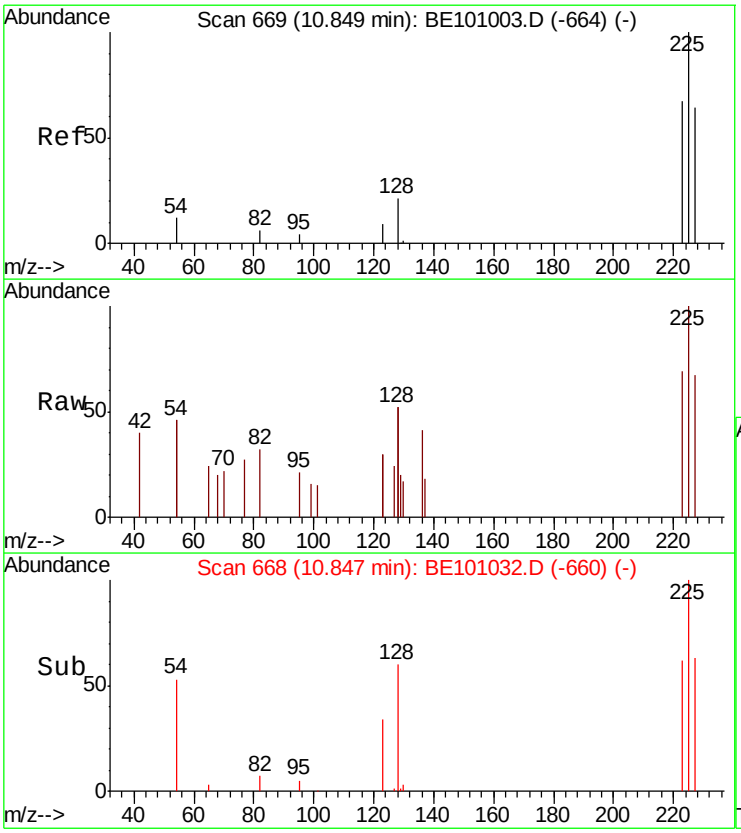
#9
Naphthalene
Concen: 0.089 ng
RT: 10.56 min Scan# 646
Delta R.T. 0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:128 Resp: 14120

Ion	Ratio	Lower	Upper
128	100		
129	4.2	2.3	3.5#
127	4.8	2.7	4.1#

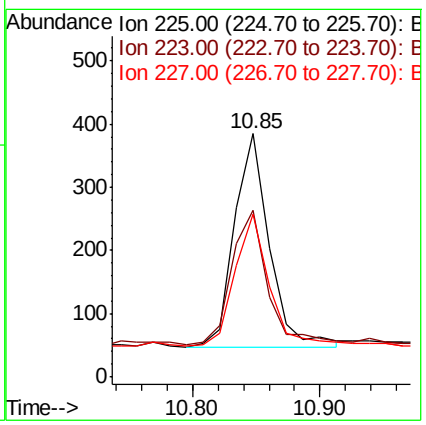


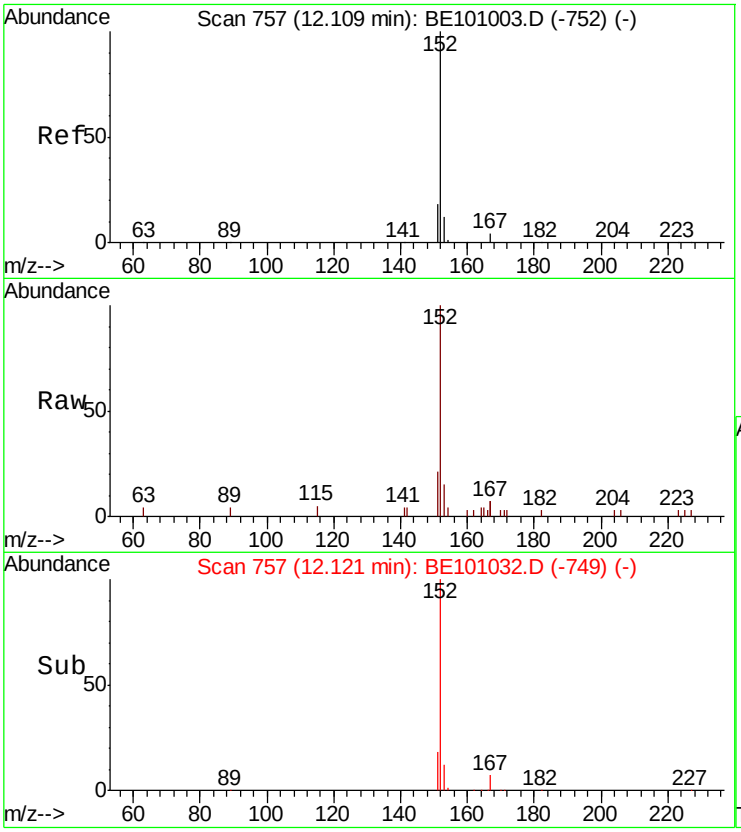


#10
Hexachlorobutadiene
Concen: 0.096 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:225 Resp: 648

Ion	Ratio	Lower	Upper
225	100		
223	64.7	52.2	78.4
227	59.7	49.9	74.9



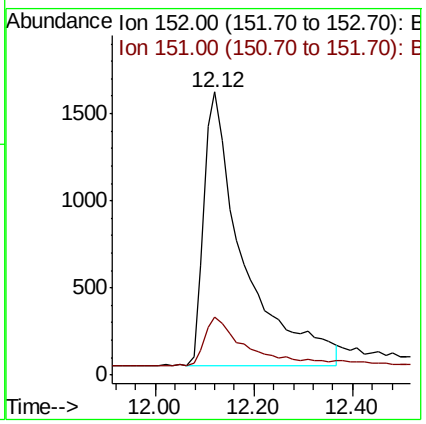


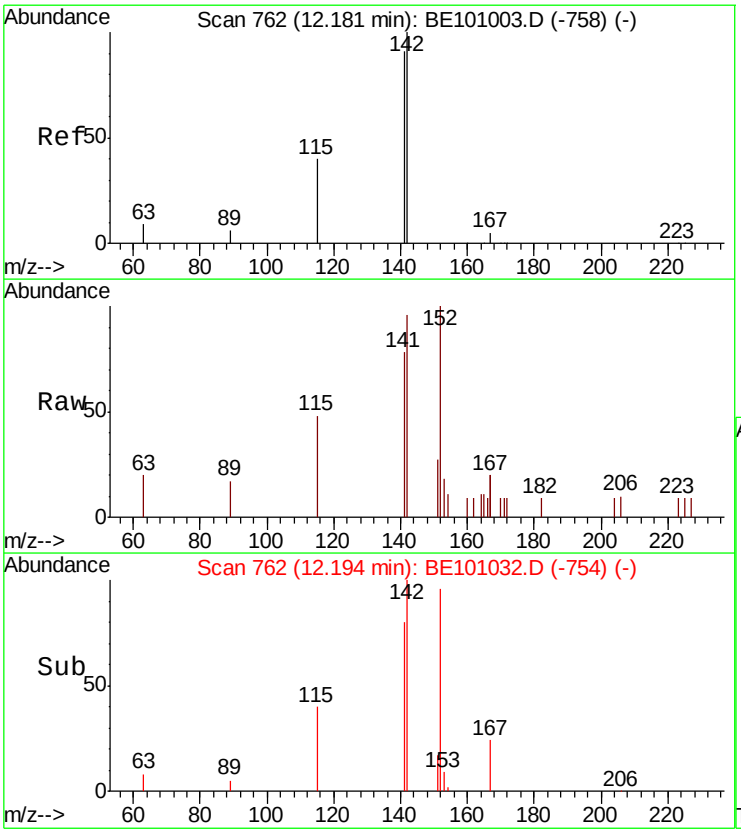
#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:152 Resp: 8834

Ion	Ratio	Lower	Upper
152	100		
151	17.9	15.0	22.6

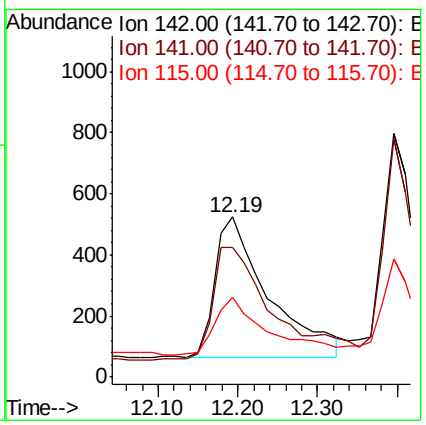


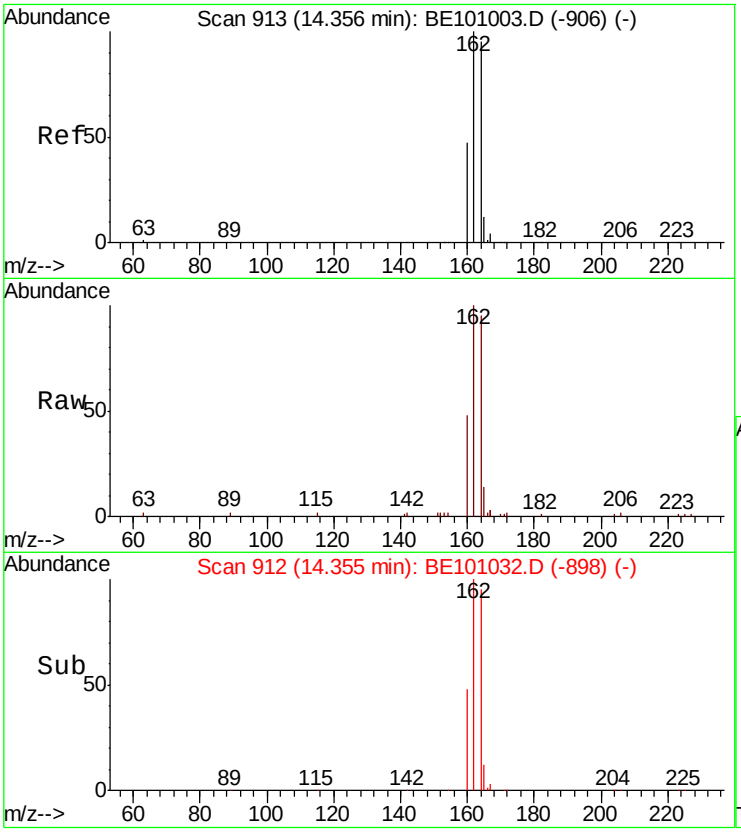


#12
2-Methylnaphthalene
Concen: 0.089 ng
RT: 12.19 min Scan# 762
Delta R.T. 0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:142 Resp: 2128

Ion	Ratio	Lower	Upper
142	100		
141	81.3	72.5	108.7
115	50.2	33.0	49.6#



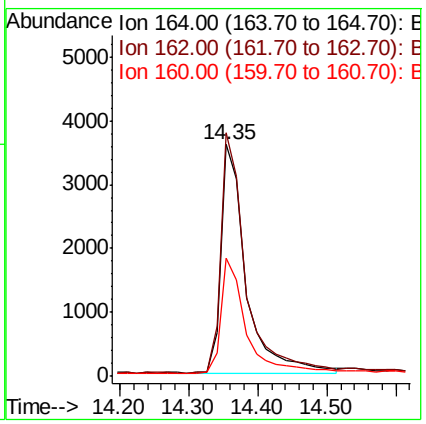


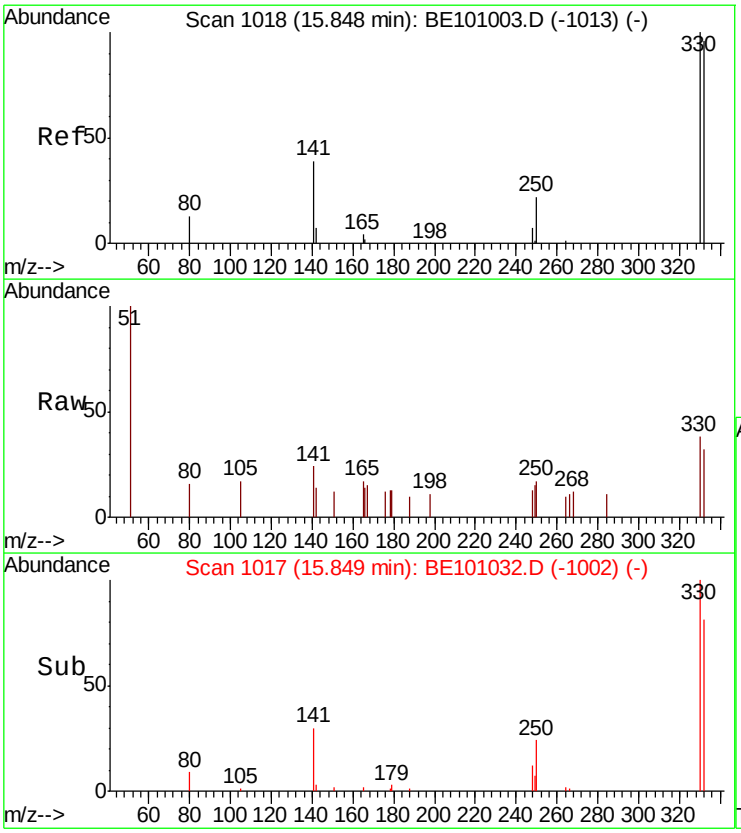
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.35 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:164 Resp: 9086

Ion	Ratio	Lower	Upper
164	100		
162	104.9	84.1	126.1
160	50.8	40.4	60.6

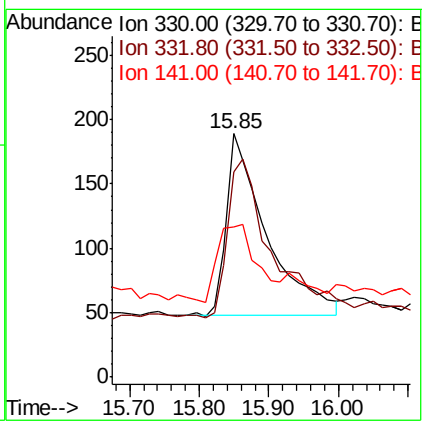


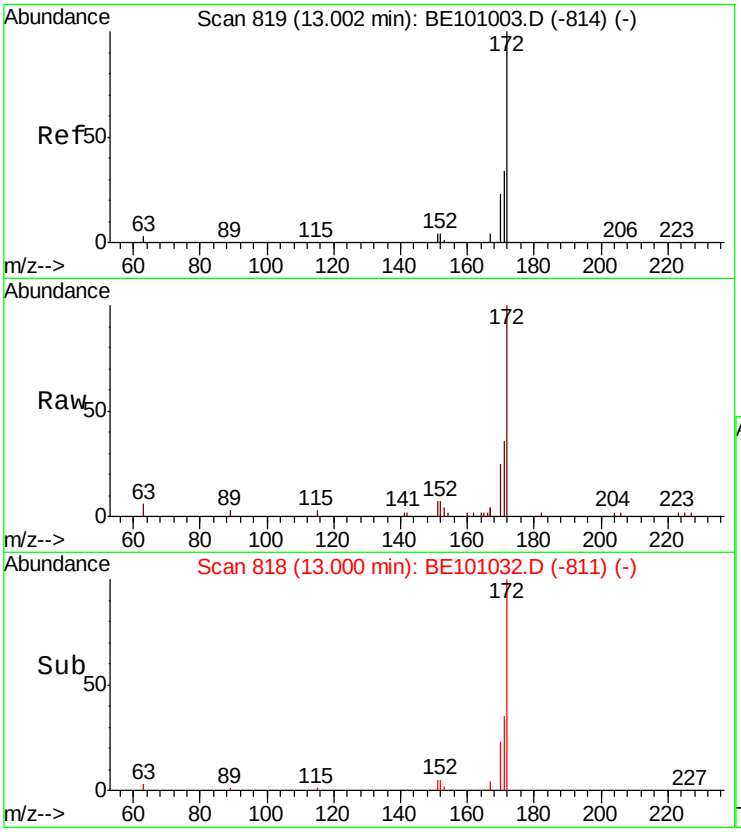


#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:330 Resp: 564

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.4	117.6
141	40.2	37.0	55.4



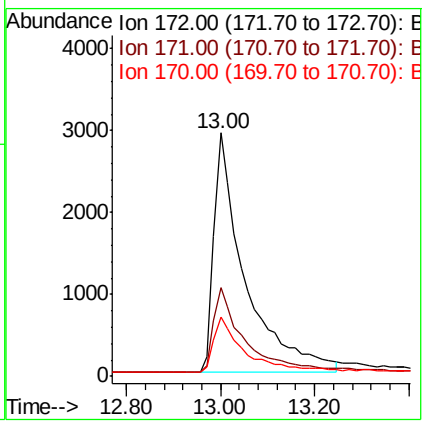


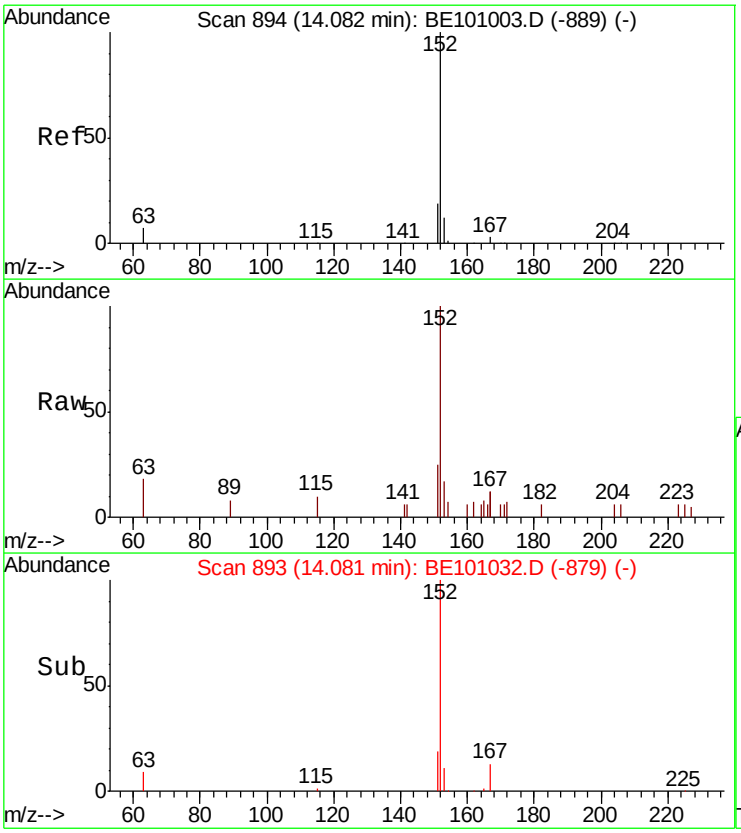
#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 13.00 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:172 Resp: 13358

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.2	42.2
170	24.5	18.9	28.3

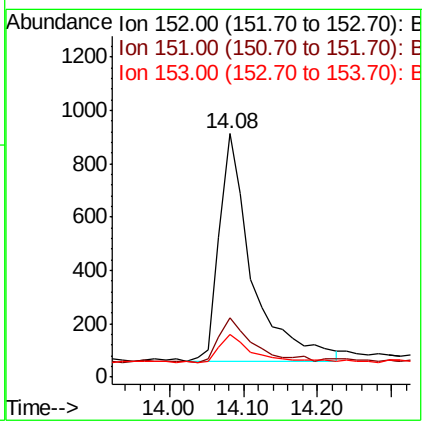


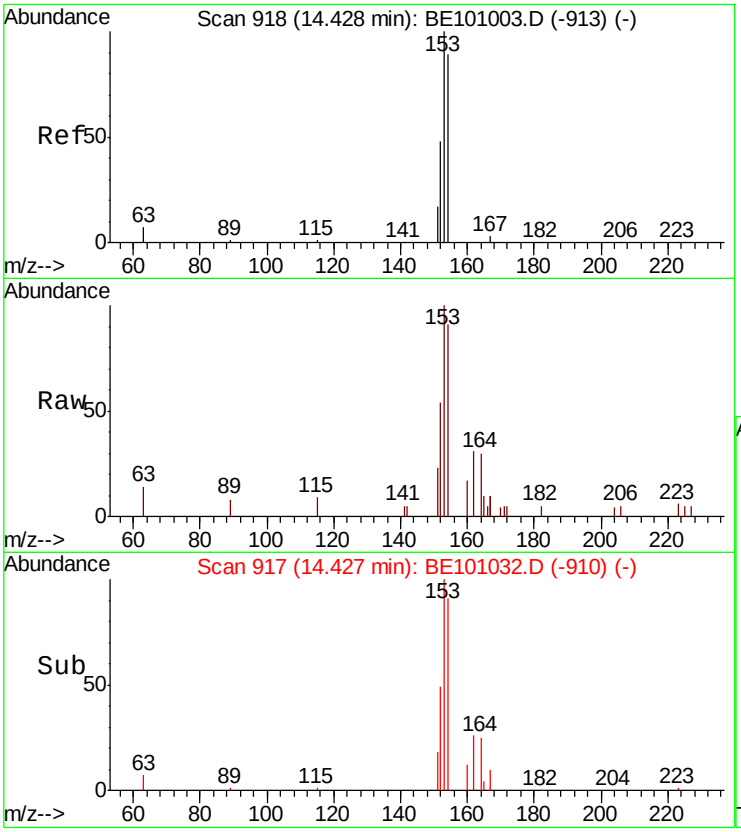


#16
Acenaphthylene
Concen: 0.071 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:152 Resp: 2637

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	12.1	10.4	15.6



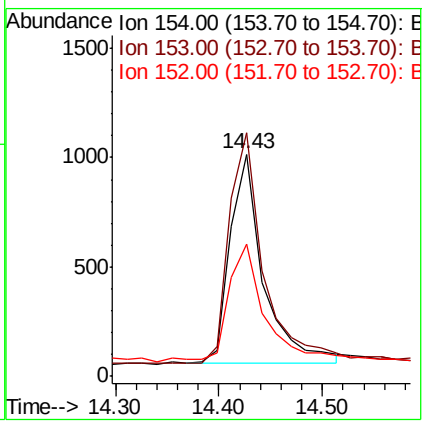


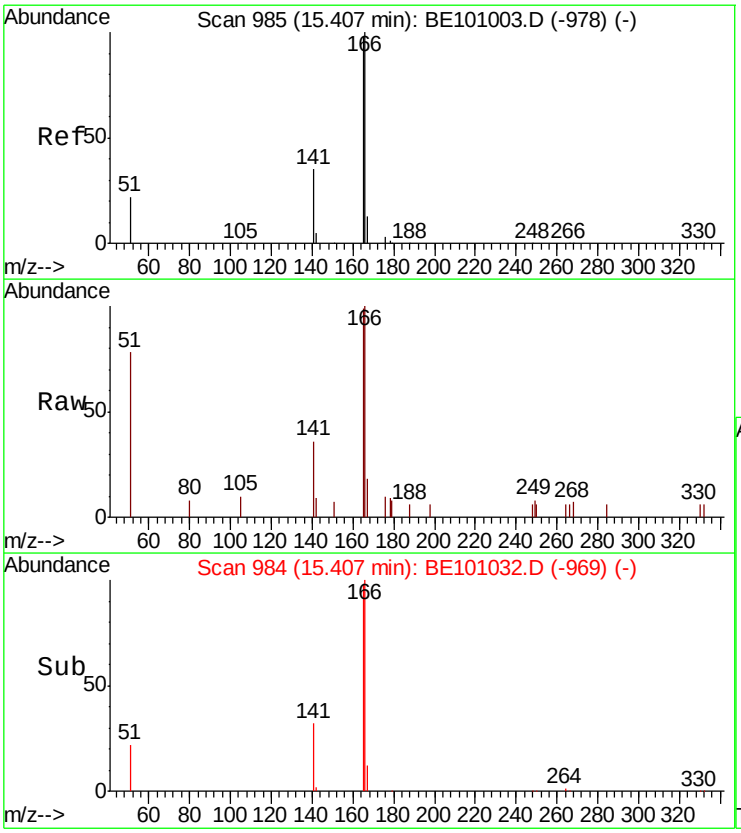
#17
Acenaphthene
Concen: 0.080 ng
RT: 14.43 min Scan# 917
Delta R.T. -0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:154 Resp: 2124

Ion	Ratio	Lower	Upper
154	100		
153	115.7	93.6	140.4
152	57.9	46.3	69.5

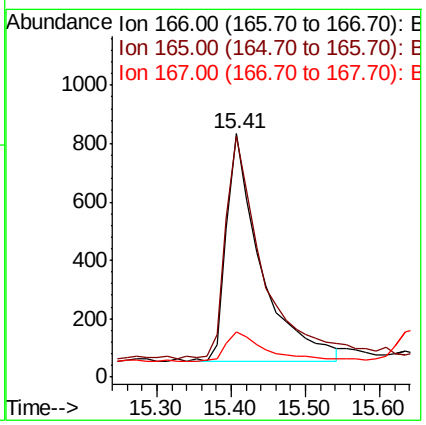


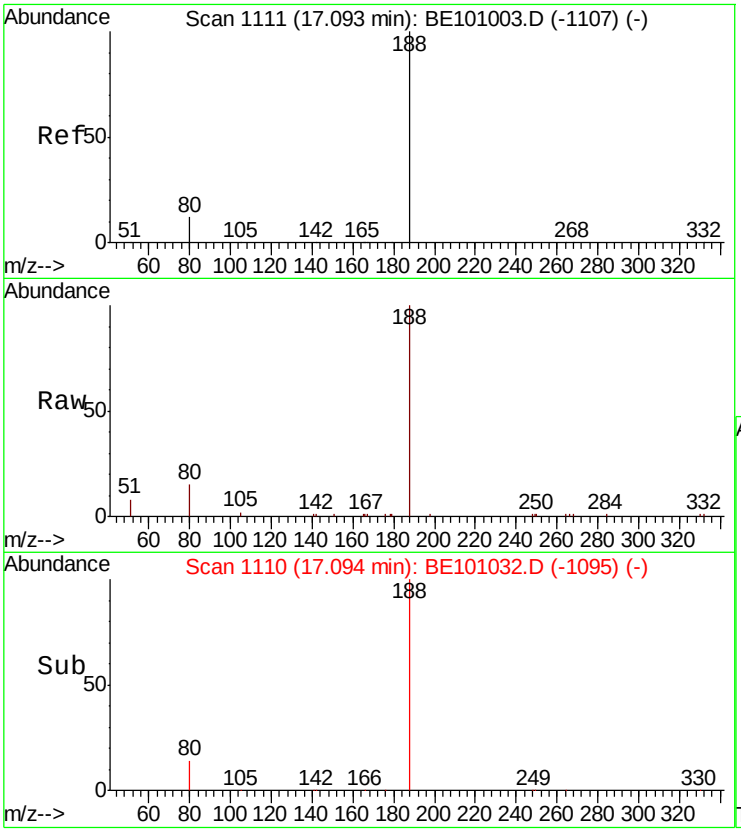


#18
Fluorene
Concen: 0.075 ng
RT: 15.41 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:166 Resp: 2502

Ion	Ratio	Lower	Upper
166	100		
165	104.6	79.8	119.8
167	14.9	11.0	16.6



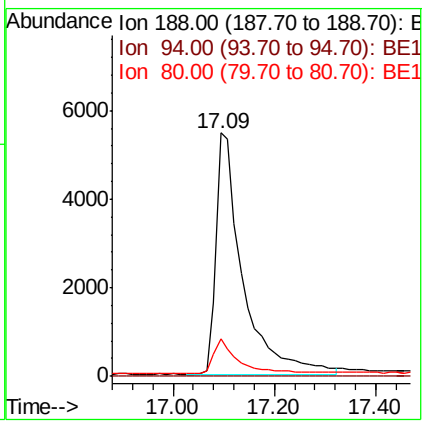


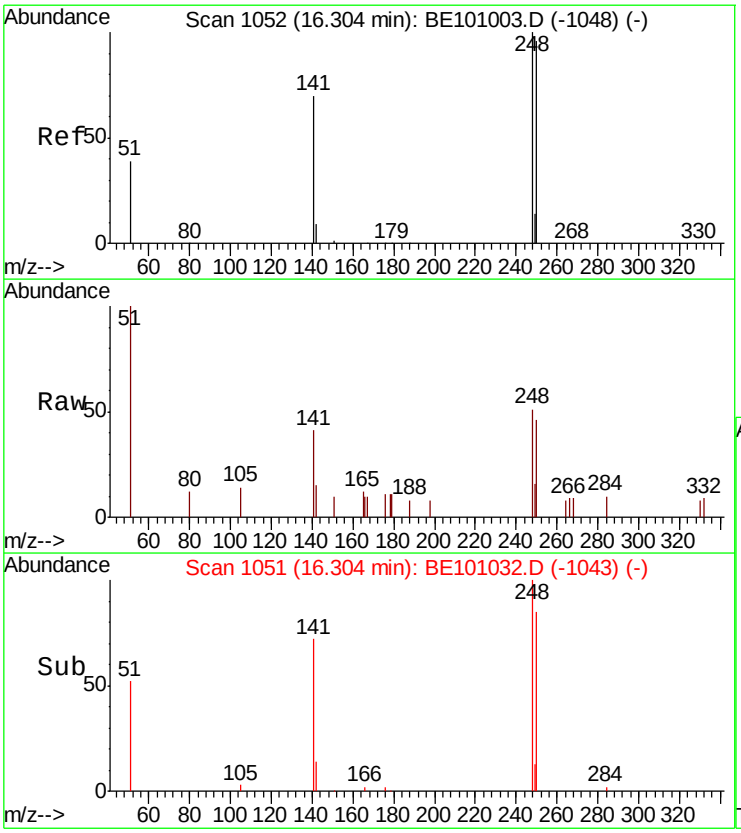
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:188 Resp: 19831

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.2	10.8	16.2

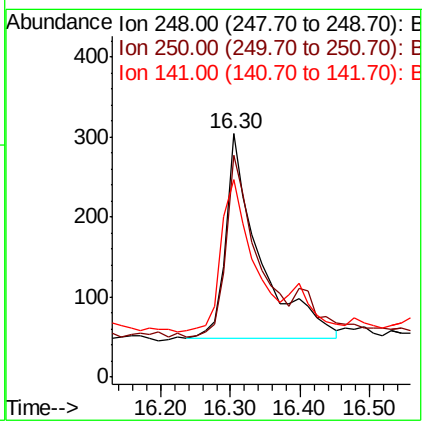


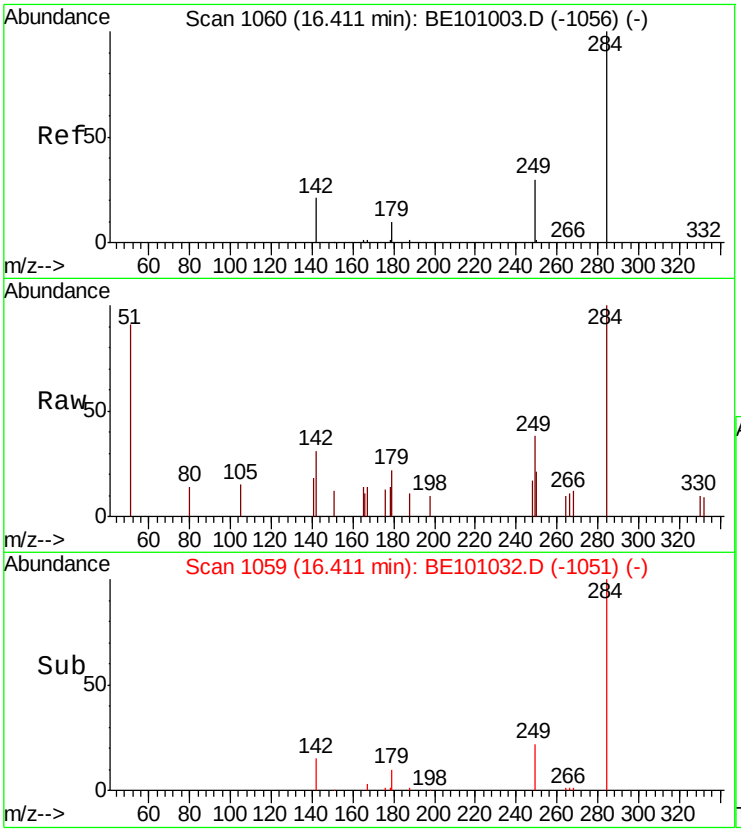


#20
4-Bromophenyl-phenylether
Concen: 0.090 ng
RT: 16.30 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:248 Resp: 874

Ion	Ratio	Lower	Upper
248	100		
250	91.1	76.6	115.0
141	81.3	57.7	86.5



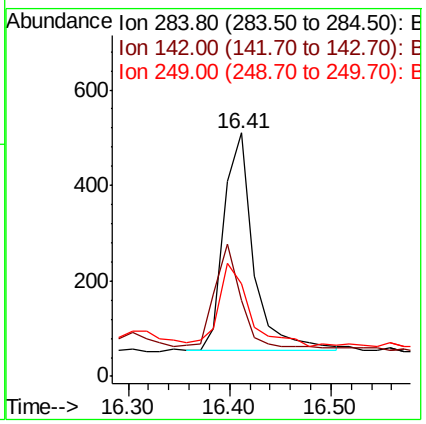


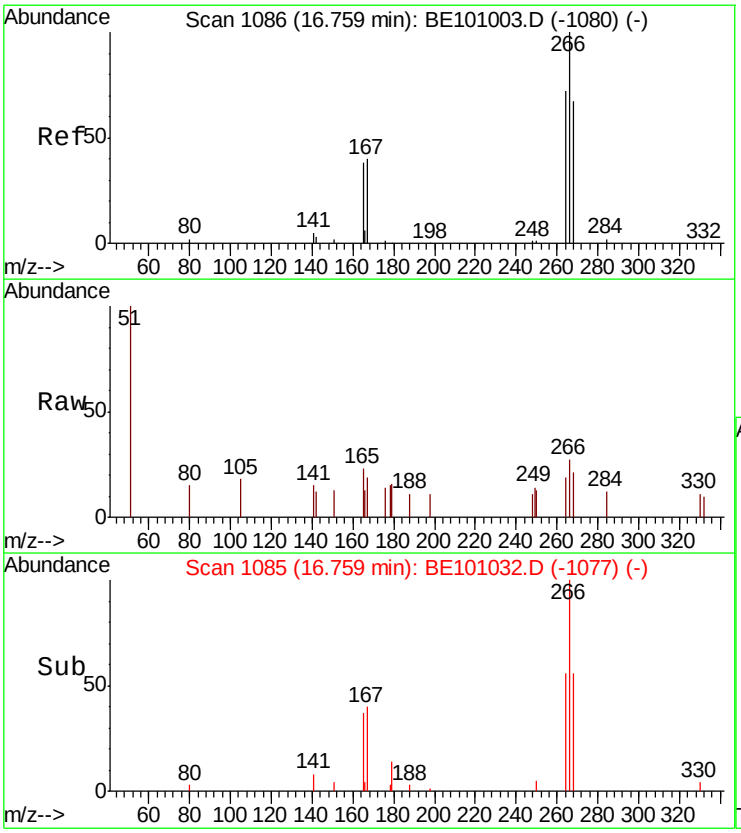
#21
Hexachlorobenzene
Concen: 0.086 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:284 Resp: 913

Ion	Ratio	Lower	Upper
284	100		
142	43.2	34.0	51.0
249	37.1	28.2	42.4

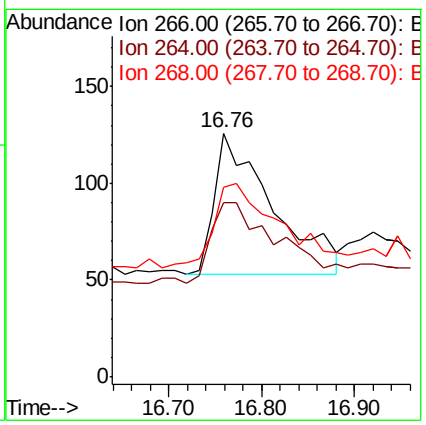


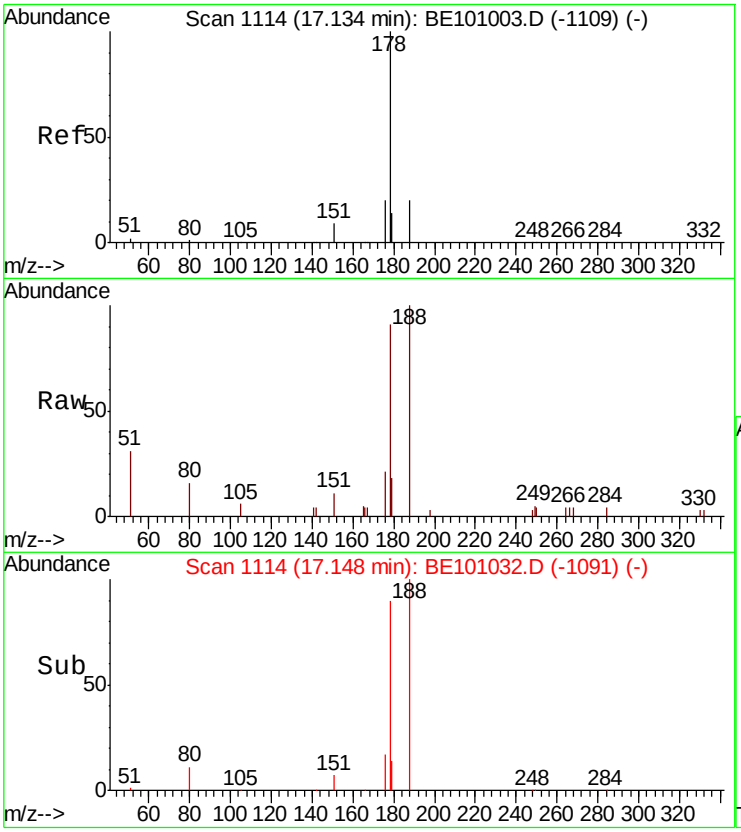


#22
Pentachlorophenol
Concen: 0.335 ng
RT: 16.76 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:266 Resp: 315

Ion	Ratio	Lower	Upper
266	100		
264	71.4	61.0	91.4
268	77.8	58.5	87.7



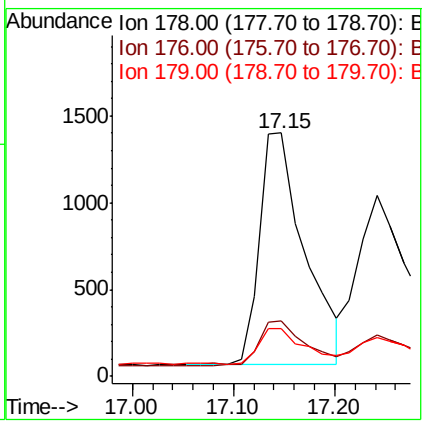


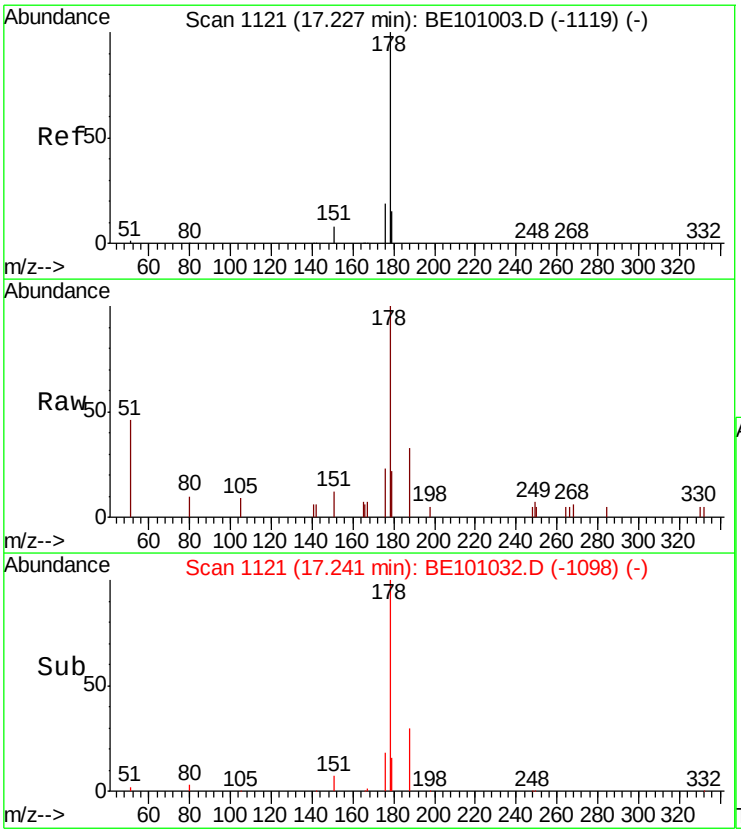
#23
Phenanthrene
Concen: 0.077 ng
RT: 17.15 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:178 Resp: 4147

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.7	23.5
179	15.9	12.0	18.0

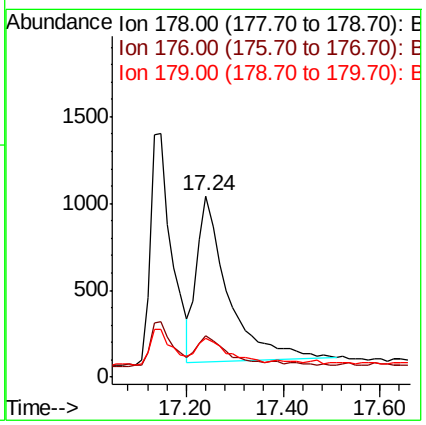


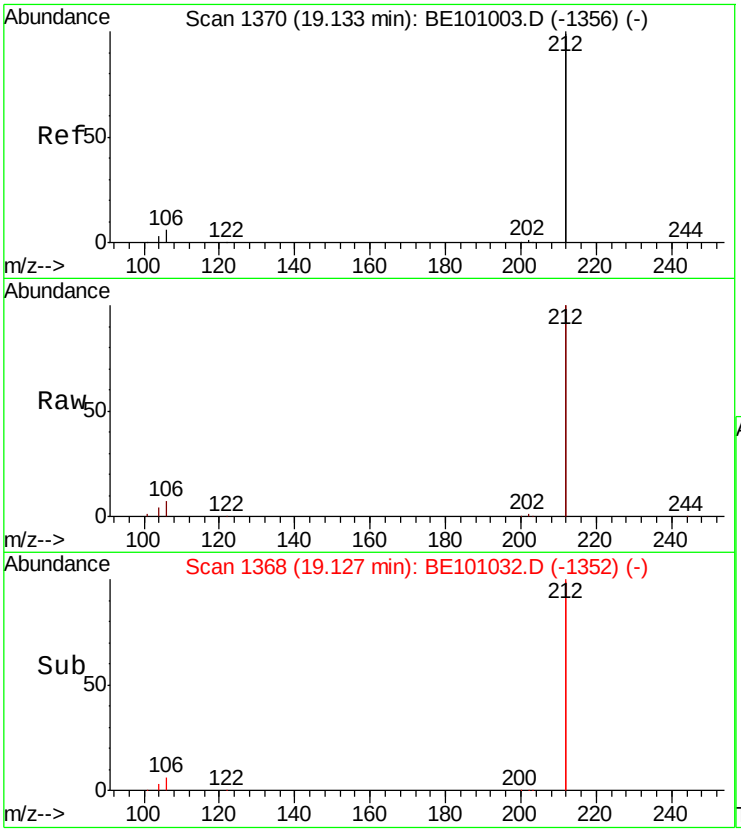


#24
Anthracene
Concen: 0.082 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:178 Resp: 4212

Ion	Ratio	Lower	Upper
178	100		
176	14.8	14.8	22.2
179	14.2	12.4	18.6



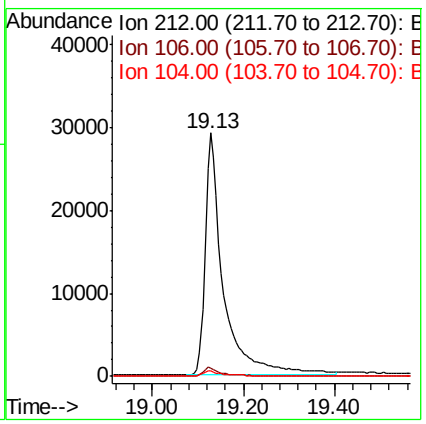


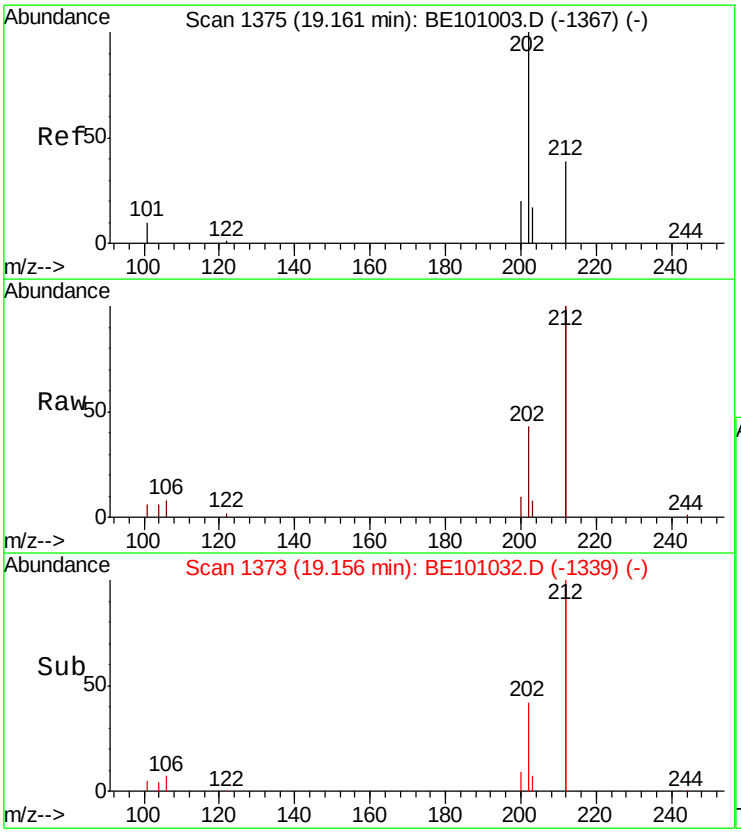
#25
Fluoranthene-d10
Concen: 0.293 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:212 Resp: 80715

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.6	3.8
104	1.8	1.4	2.0

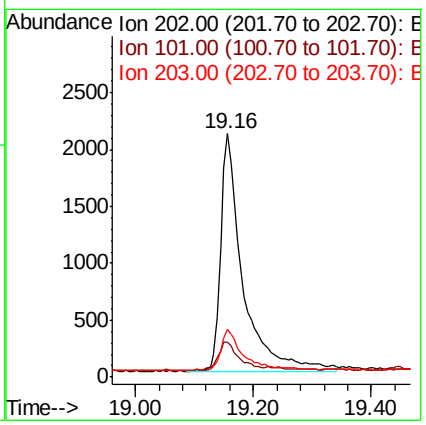


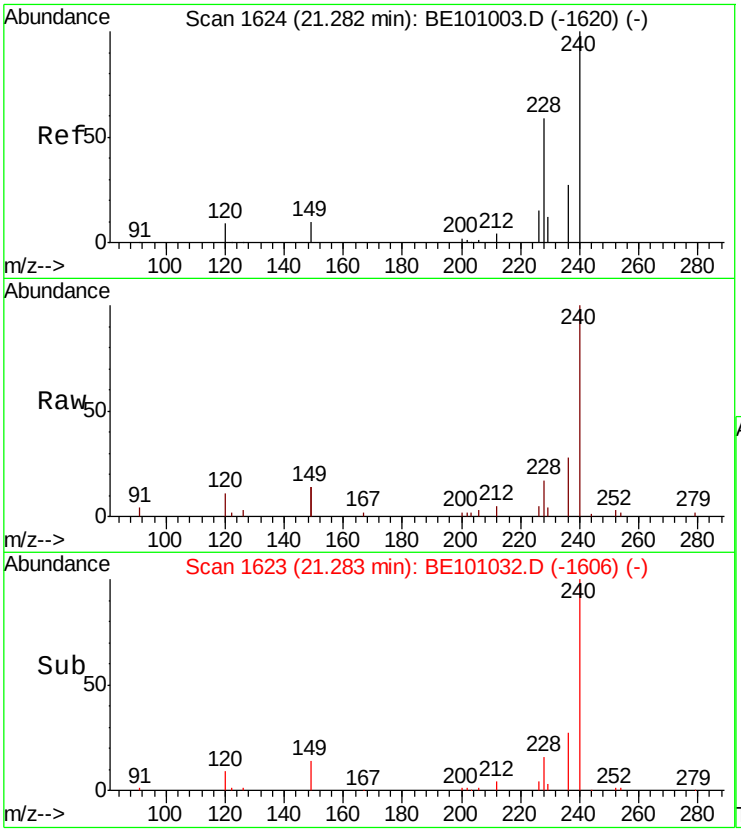


#26
Fluoranthene
Concen: 0.079 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:202 Resp: 5387

Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.6	14.4
203	17.2	13.8	20.6



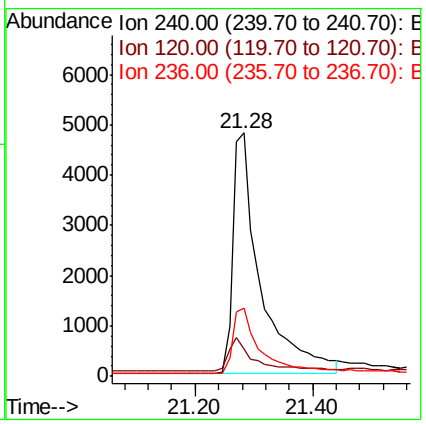


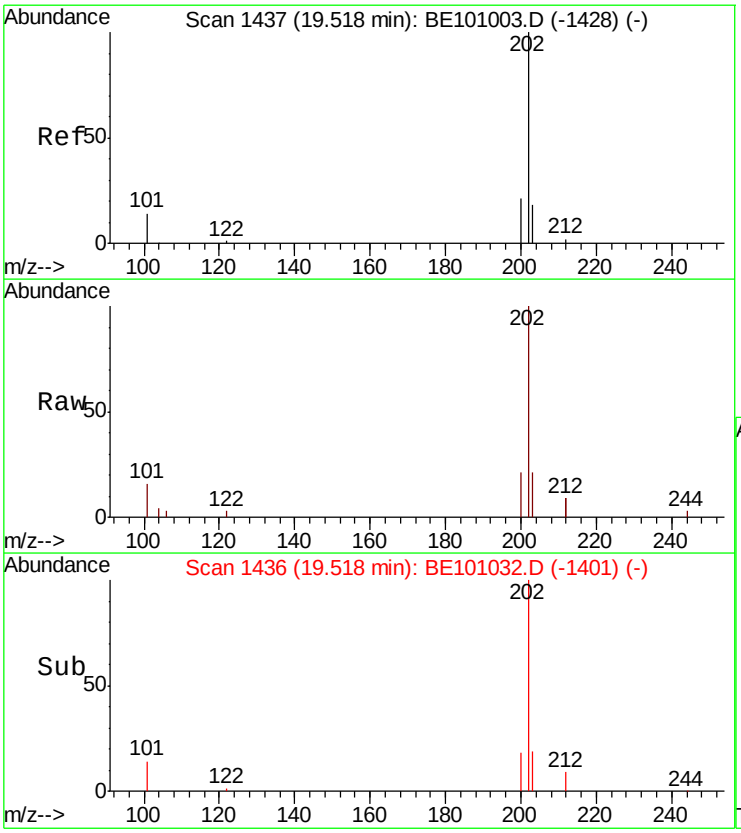
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:240 Resp: 15682

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	13.0
236	27.9	22.2	33.4

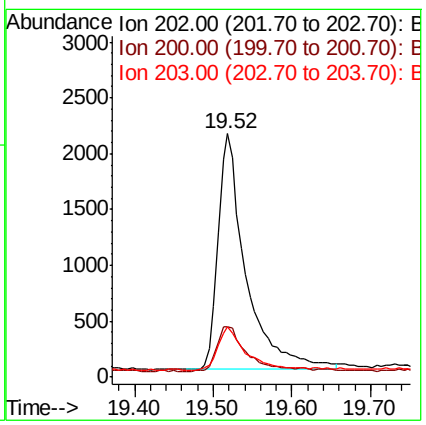


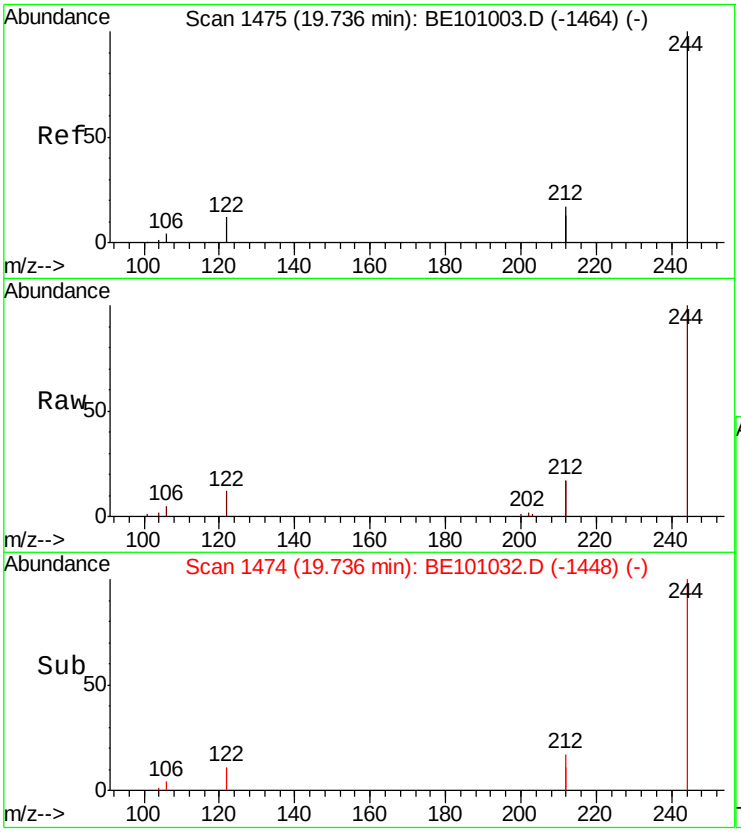


#28
Pyrene
Concen: 0.088 ng
RT: 19.52 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:202 Resp: 5164

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	18.4	13.8	20.6



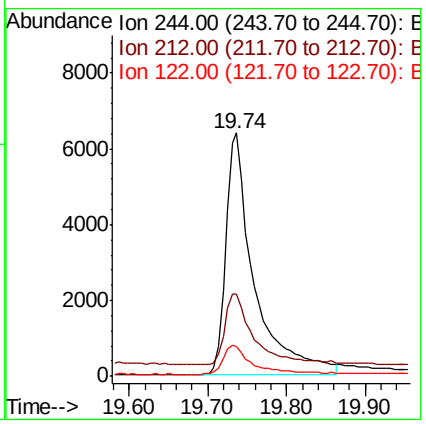


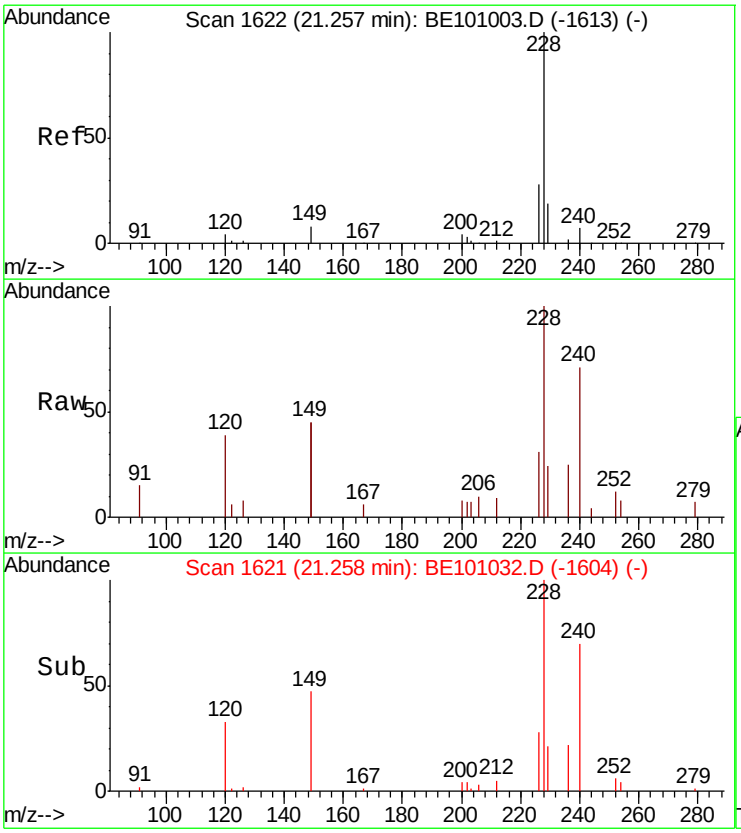
#29
Terphenyl-d14
Concen: 0.414 ng
RT: 19.74 min Scan# 1474
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:244 Resp: 15955

Ion	Ratio	Lower	Upper
244	100		
212	33.7	27.2	40.8
122	12.1	9.8	14.8

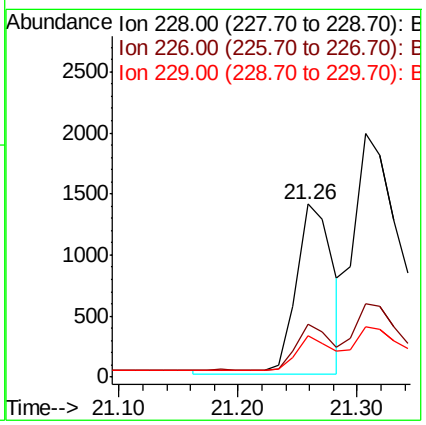


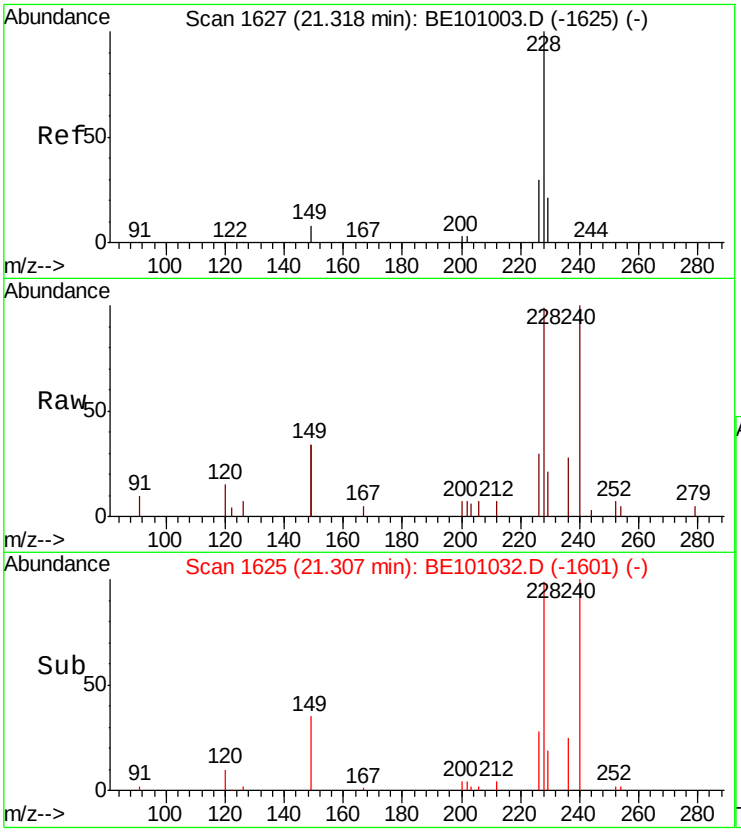


#30
Benzo(a)anthracene
Concen: 0.068 ng m
RT: 21.26 min Scan# 1621
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:228 Resp: 3034

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.7	34.1
229	23.7	15.5	23.3#



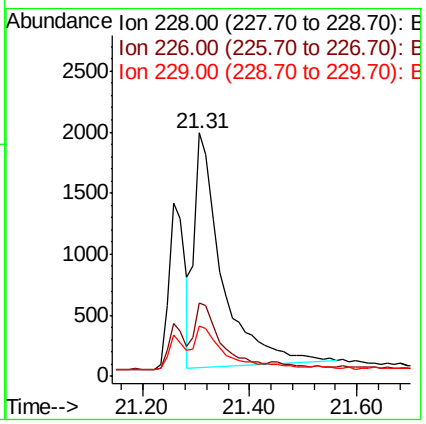


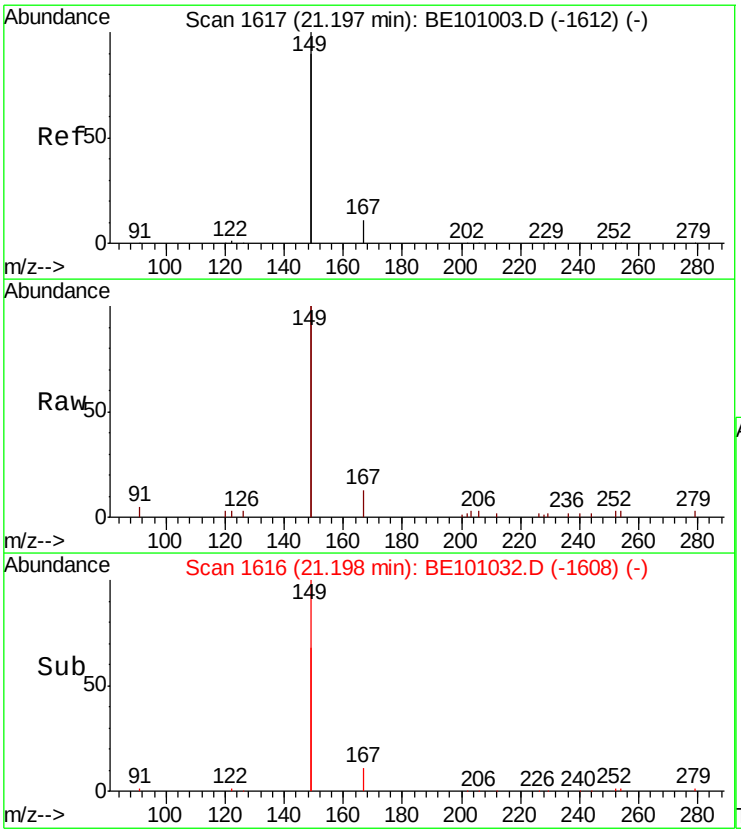
#31
Chrysene
Concen: 0.101 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:228 Resp: 6718

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.5	35.3
229	20.9	16.7	25.1

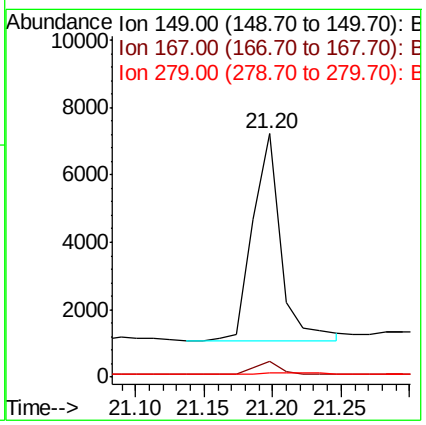


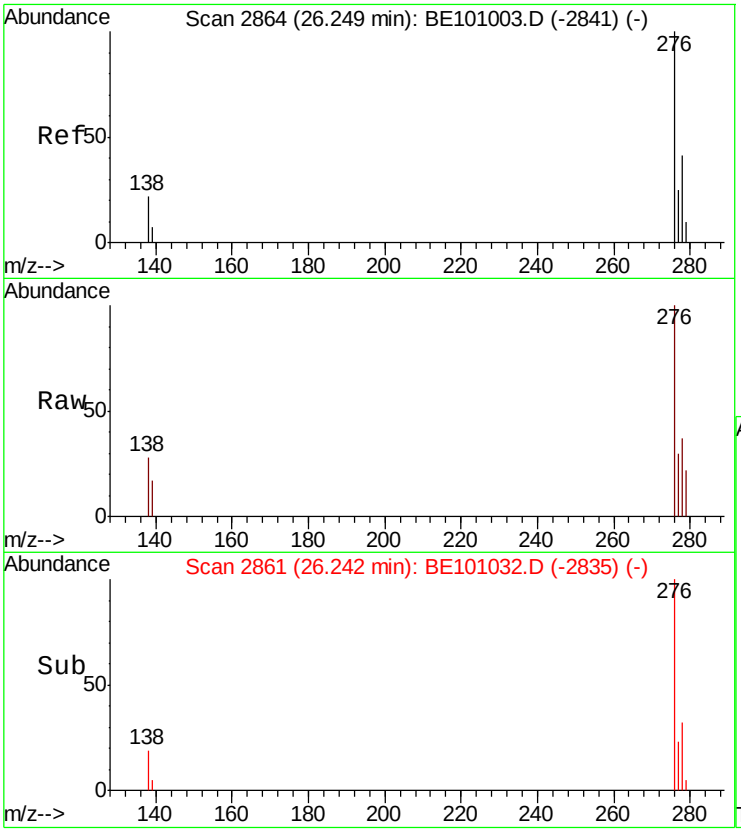


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.118 ng
RT: 21.20 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:149 Resp: 8785

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.2	7.8
279	1.2	0.8	1.2#



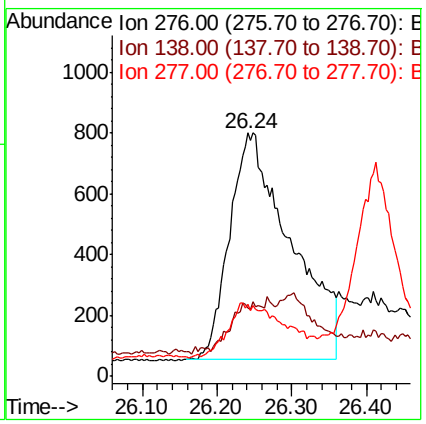


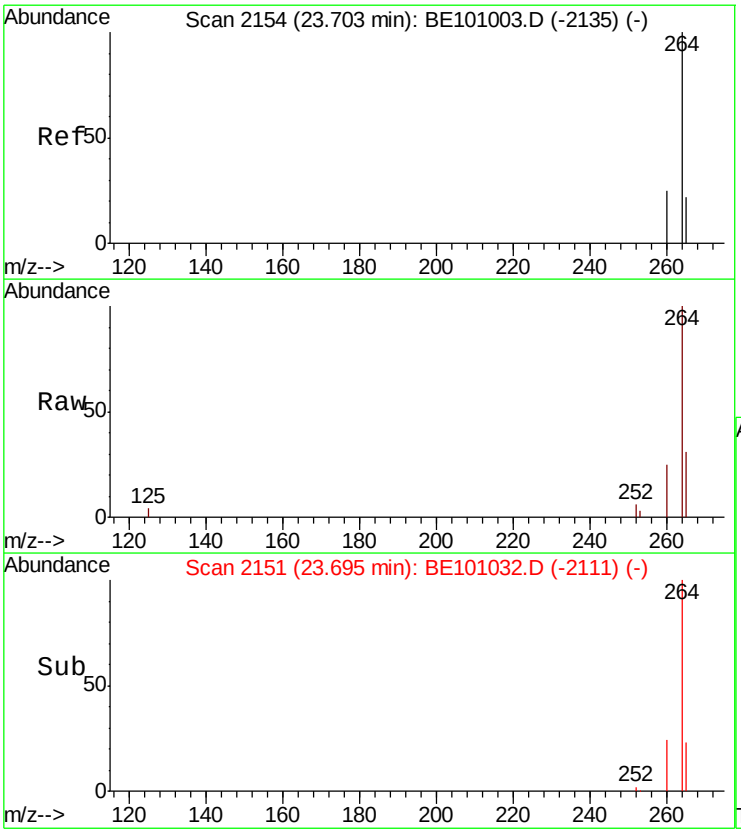
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.081 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:276 Resp: 4247

Ion	Ratio	Lower	Upper
276	100		
138	6.9	16.1	24.1#
277	20.9	18.1	27.1

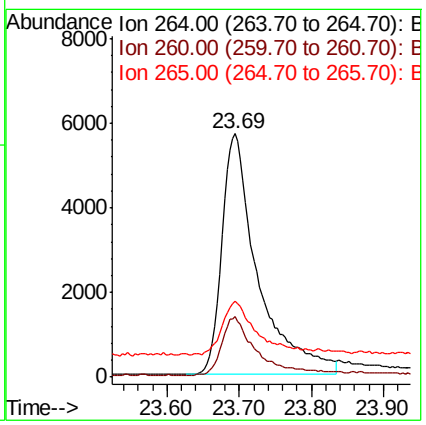


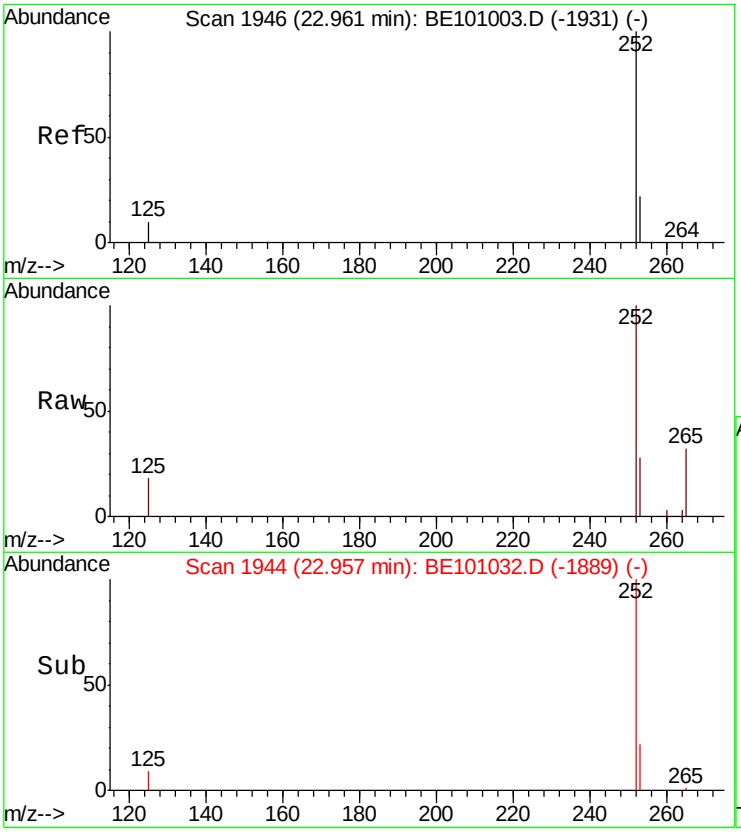


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:264 Resp: 19559

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.3	30.5
265	31.2	27.0	40.4



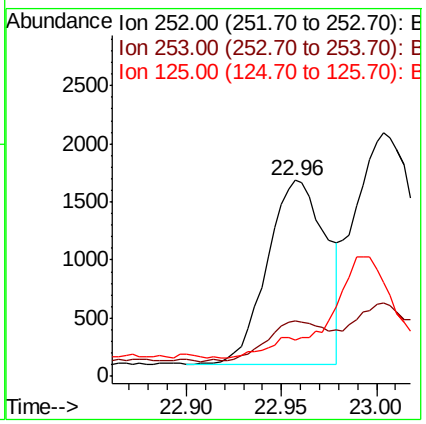


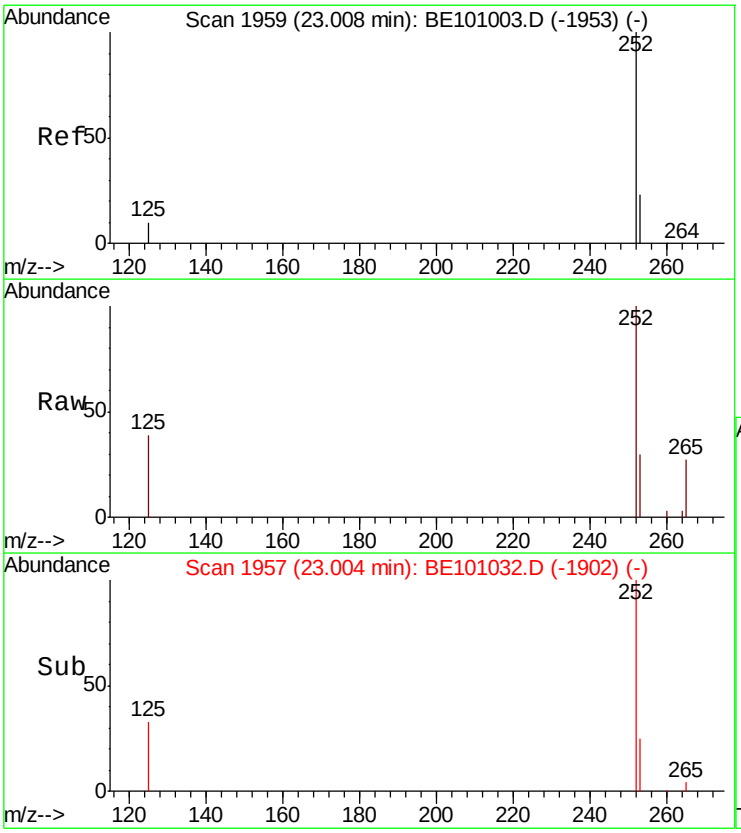
#35
Benzo(b)fluoranthene
Concen: 0.062 ng
RT: 22.96 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:252 Resp: 3414

Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.5	27.7#
125	18.5	9.5	14.3#

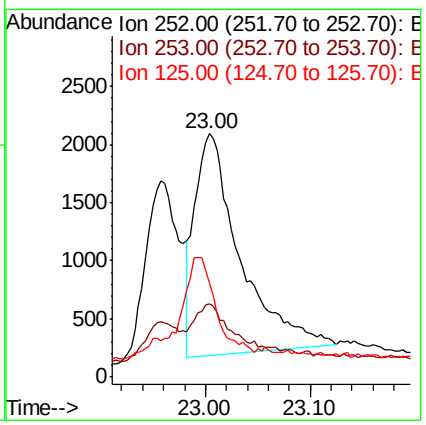


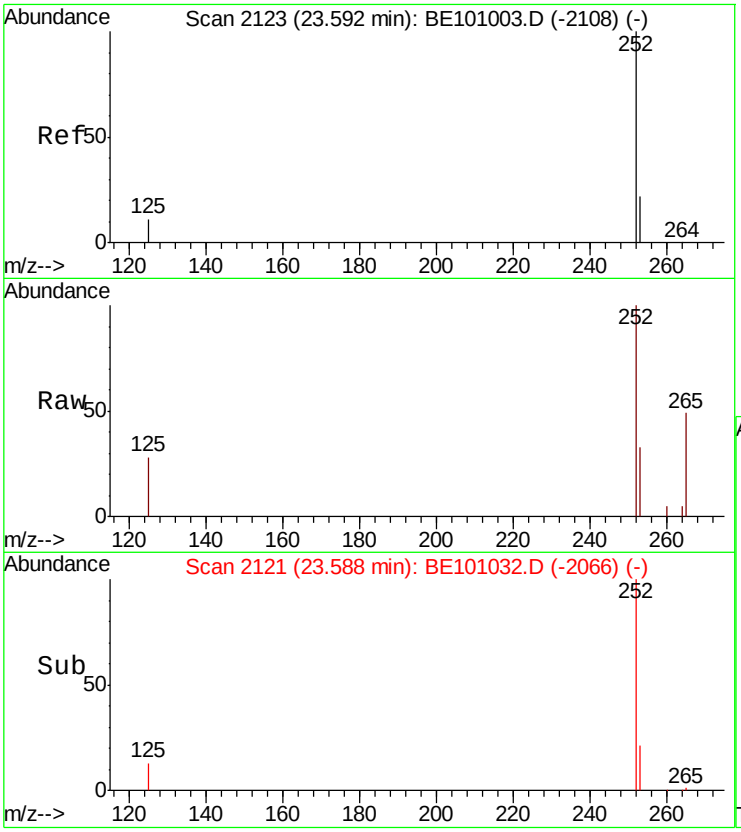


#36
Benzo(k)fluoranthene
Concen: 0.072 ng
RT: 23.00 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:252 Resp: 5756

Ion	Ratio	Lower	Upper
252	100		
253	30.3	18.9	28.3#
125	38.7	10.1	15.1#



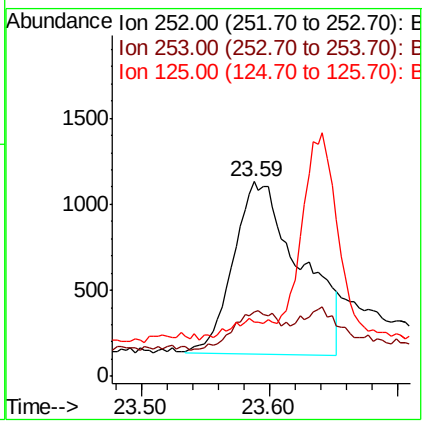


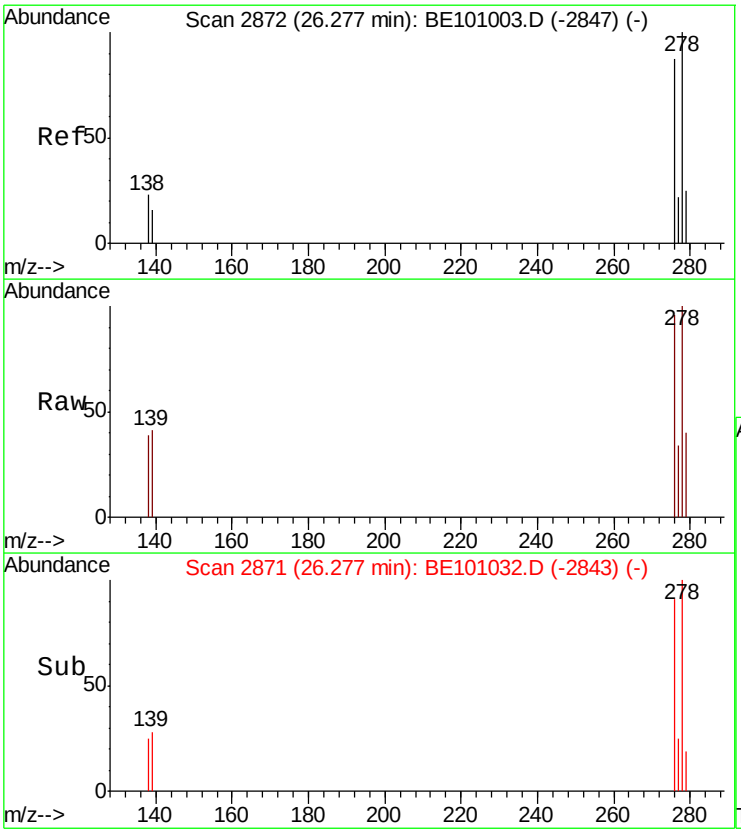
#37
Benzo(a)pyrene
Concen: 0.068 ng m
RT: 23.59 min Scan# 2121
Delta R.T. -0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:252 Resp: 3626

Ion	Ratio	Lower	Upper
252	100		
253	33.4	19.4	29.2#
125	28.0	11.8	17.6#

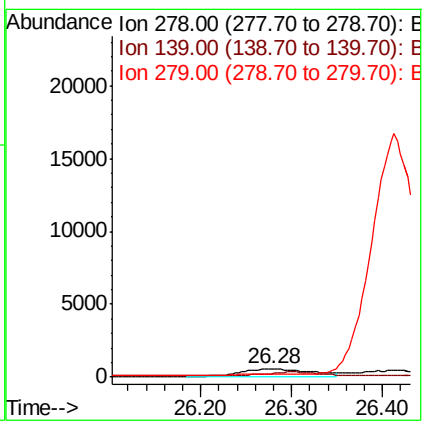


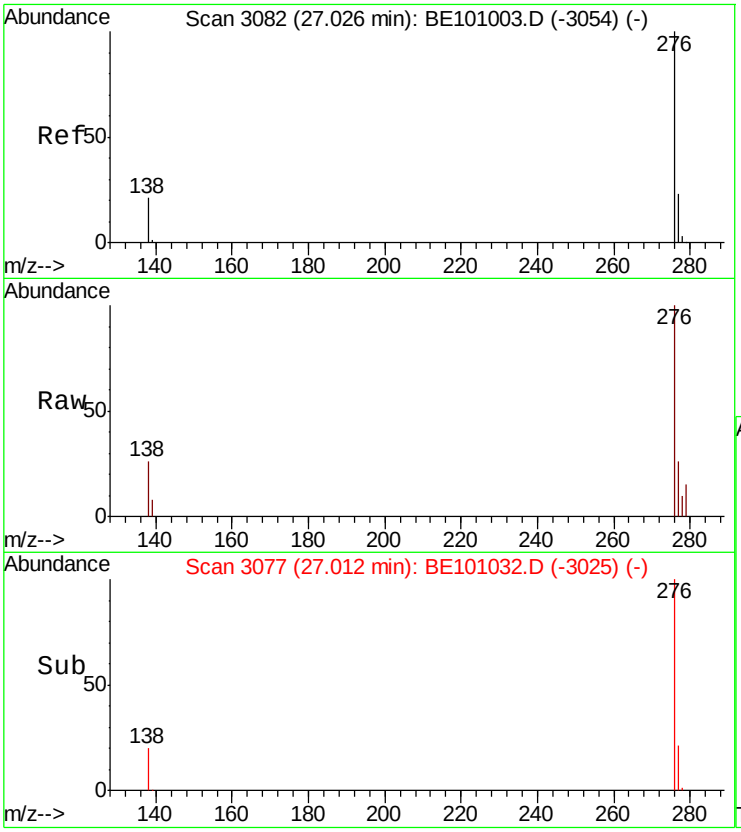


#38
Dibenzo(a,h)anthracene
Concen: 0.054 ng
RT: 26.28 min Scan# 2871
Delta R.T. 0.00 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Tgt Ion:278 Resp: 2629

Ion	Ratio	Lower	Upper
278	100		
139	41.2	15.0	22.4#
279	40.1	22.6	33.8#





#39
Benzo(g,h,i)perylene
Concen: 0.083 ng
RT: 27.01 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BE101032.D
Acq: 10 Jan 2020 20:41

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT3-2019

Tgt Ion:276 Resp: 4999

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.4	29.2
138	26.4	17.9	26.9