Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011320\
Data File : BE101039.D
Acq On : 13 Jan 2020 15:22
Operator : JU
Sample : K3591-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT3-2019

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Quant Time: Jan 13 16:42:13 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	7.74	152	2860	0.40	ng		0.00
7) Naphthalene-d8	10.51	136	13292	0.40	ng		0.01
13) Acenaphthene-d10	14.36	164	8344	0.40	ng		0.00
19) Phenanthrene-d10	17.11	188	17901	0.40	ng		0.01
27) Chrysene-d12	21.28	240	13963	0.40	ng		0.00
34) Perylene-d12	23.70	264	14386	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.34	112	1892	0.29	ng		0.00
5) Phenol-d6	6.93	99	1862	0.23	ng		0.01
8) Nitrobenzene-d5	8.90	82	1963	0.21	ng		0.02
11) 2-Methylnaphthalene-d10	12.12	152	7988	0.31	ng		0.01
14) 2,4,6-Tribromophenol	15.86	330	435	0.18	ng		0.01
15) 2-Fluorobiphenyl	13.02	172	12019	0.38	ng		0.01
25) Fluoranthene-d10	19.13	212	69165	0.28	ng		0.00
29) Terphenyl-d14	19.74	244	13933	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	1389	0.190	ng	#	65
3) n-Nitrosodimethylamine	3.62	42	81	0.020	ng	#	1
6) bis(2-Chloroethyl)ether	7.18	93	449	0.046	ng	#	77
9) Naphthalene	10.56	128	12602	0.085	ng	#	97
10) Hexachlorobutadiene	10.85	225	570	0.091	ng		98
12) 2-Methylnaphthalene	12.21	142	1797	0.080	ng		89
16) Acenaphthylene	14.08	152	2003	0.059	ng		96
17) Acenaphthene	14.43	154	1884	0.077	ng		98
18) Fluorene	15.41	166	2385	0.078	ng		99
20) 4-Bromophenyl-phenylether	16.32	248	600	0.069	ng		93
21) Hexachlorobenzene	16.41	284	812	0.085	ng		99
22) Pentachlorophenol	16.77	266	225	0.095	ng	#	87
23) Phenanthrene	17.15	178	3645	0.075	ng		99
24) Anthracene	17.24	178	4005m	0.087	ng		
26) Fluoranthene	19.16	202	4586	0.075	ng		98
28) Pyrene	19.52	202	4292	0.083	ng		99
30) Benzo(a)anthracene	21.27	228	2659m	0.067	ng		
31) Chrysene	21.32	228	5733	0.097	ng		98
32) Bis(2-ethylhexyl)phthalate	21.20	149	4815	0.073	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.25	276	3122	0.067	ng	#	80
35) Benzo(b)fluoranthene	22.96	252	2715	0.067	ng	#	83
36) Benzo(k)fluoranthene	23.01	252	6091m	0.104	ng		
37) Benzo(a)pyrene	23.59	252	2969m	0.076	ng		
38) Dibenzo(a,h)anthracene	26.29	278	2923m	0.081	ng		
39) Benzo(g,h,i)perylene	27.02	276	3538	0.080	ng	#	88

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

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Quant Time: Jan 13 16:42:13 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT3-2019

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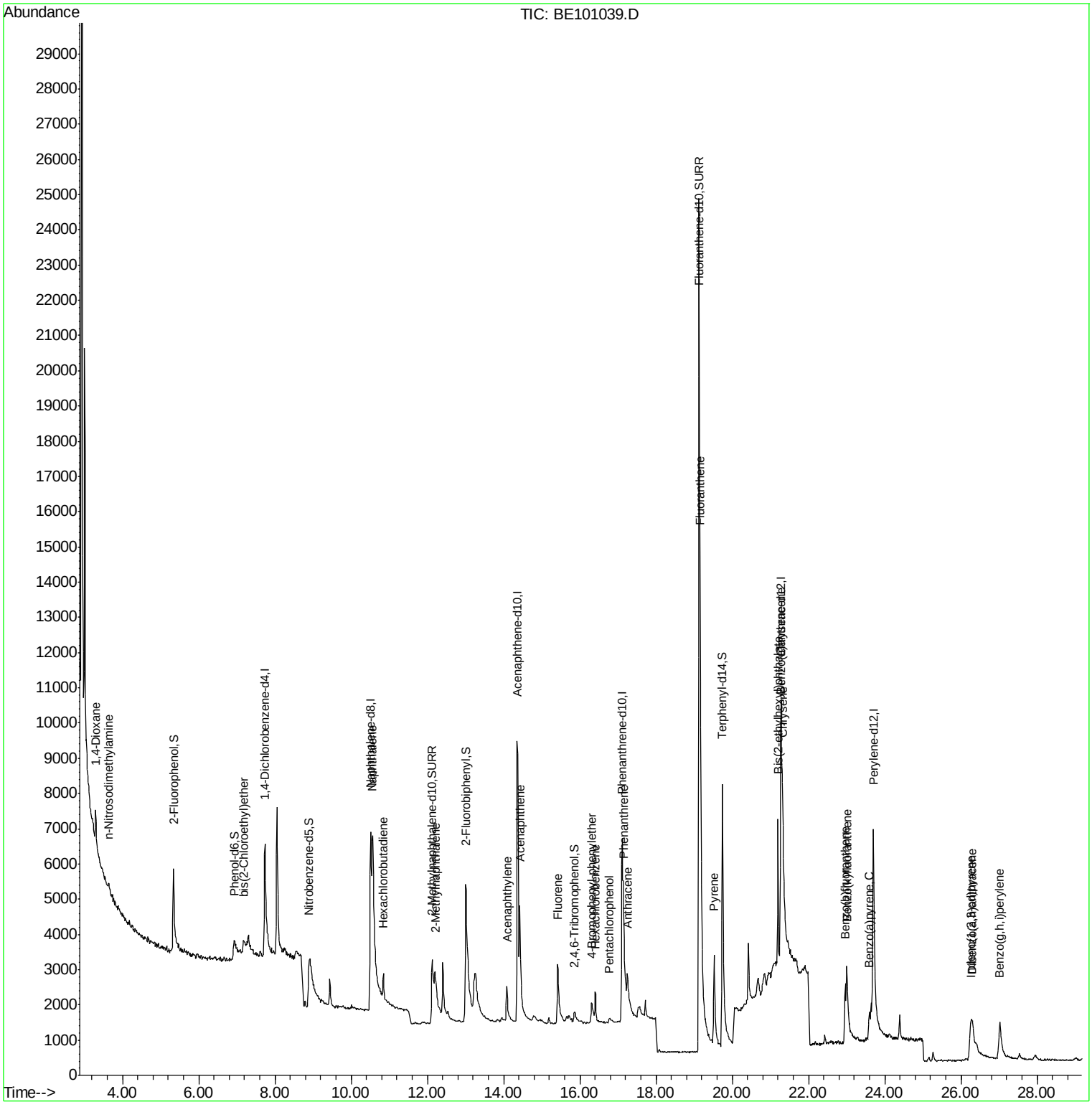
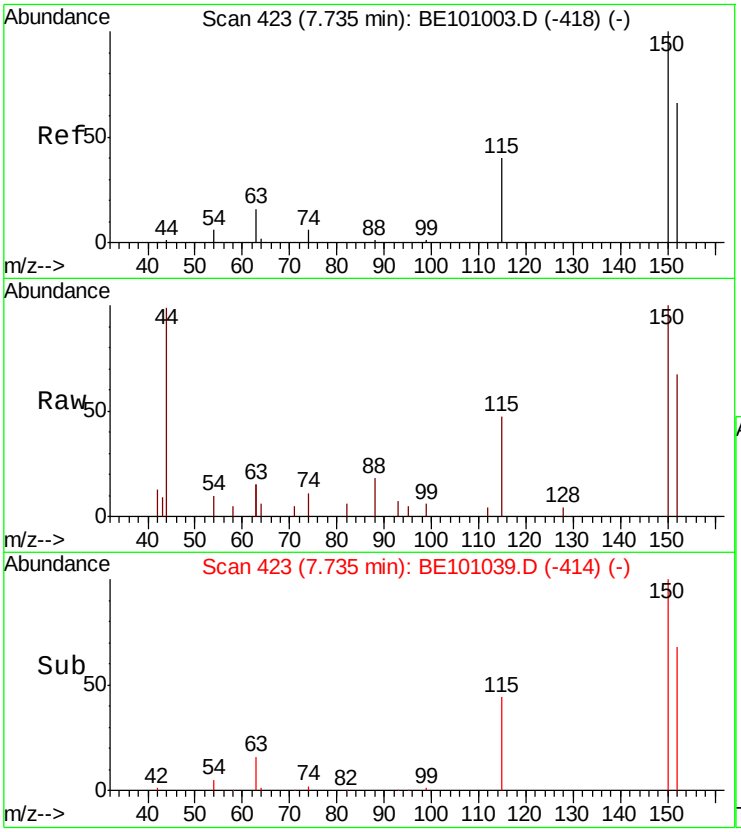
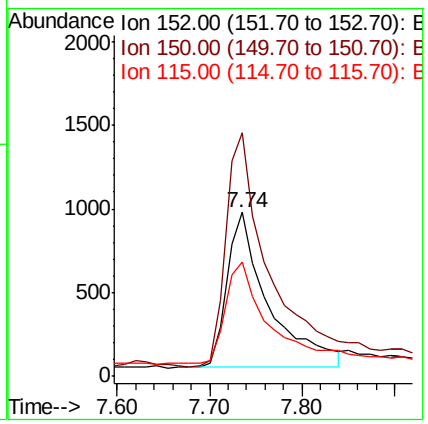




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.74 min Scan# 423
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:152 Resp: 2860

Ion	Ratio	Lower	Upper
152	100		
150	148.5	120.3	180.5
115	69.5	51.7	77.5



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT3-2019

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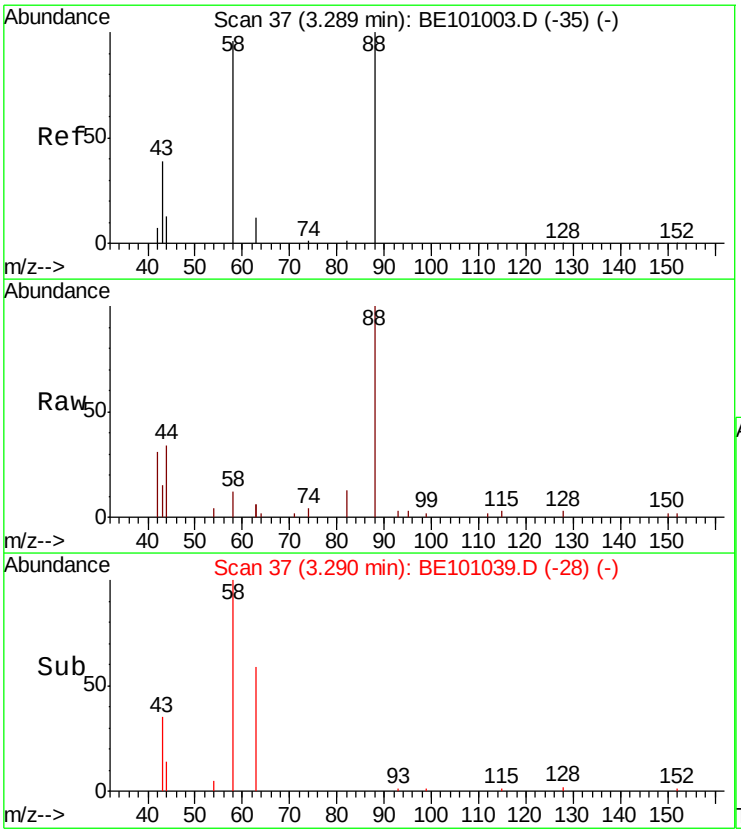
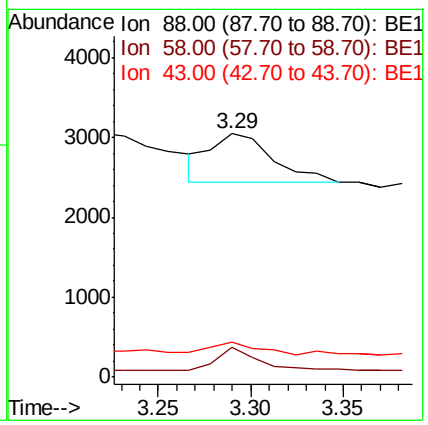
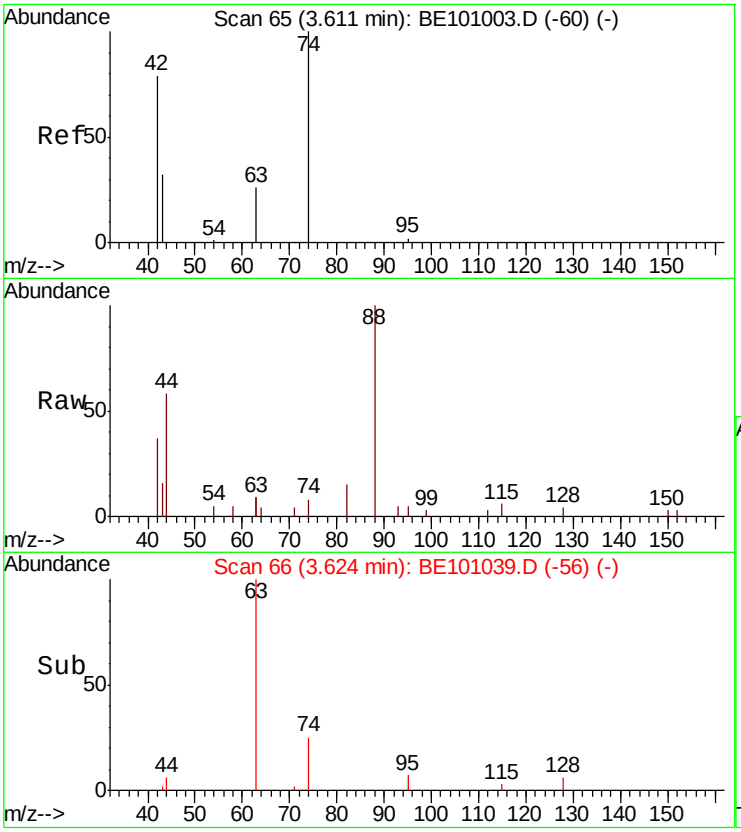


#2
1,4-Dioxane
Concen: 0.190 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion: 88 Resp: 1389

Ion	Ratio	Lower	Upper
88	100		
58	32.6	53.0	79.4#
43	19.0	23.4	35.2#

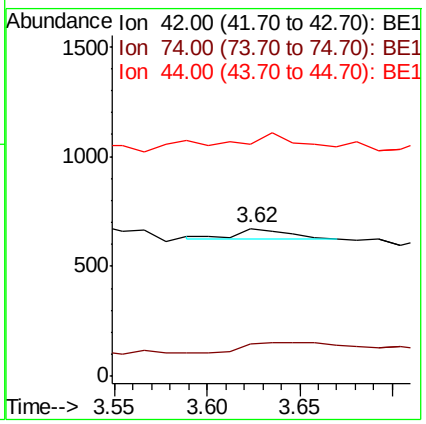




#3
n-Nitrosodimethylamine
Concen: 0.020 ng
RT: 3.62 min Scan# 66
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion: 42 Resp: 81

Ion	Ratio	Lower	Upper
42	100		
74	0.0	105.7	158.5#
44	0.0	10.0	15.0#



Instrument :
BNA_E
ClientSampleId :
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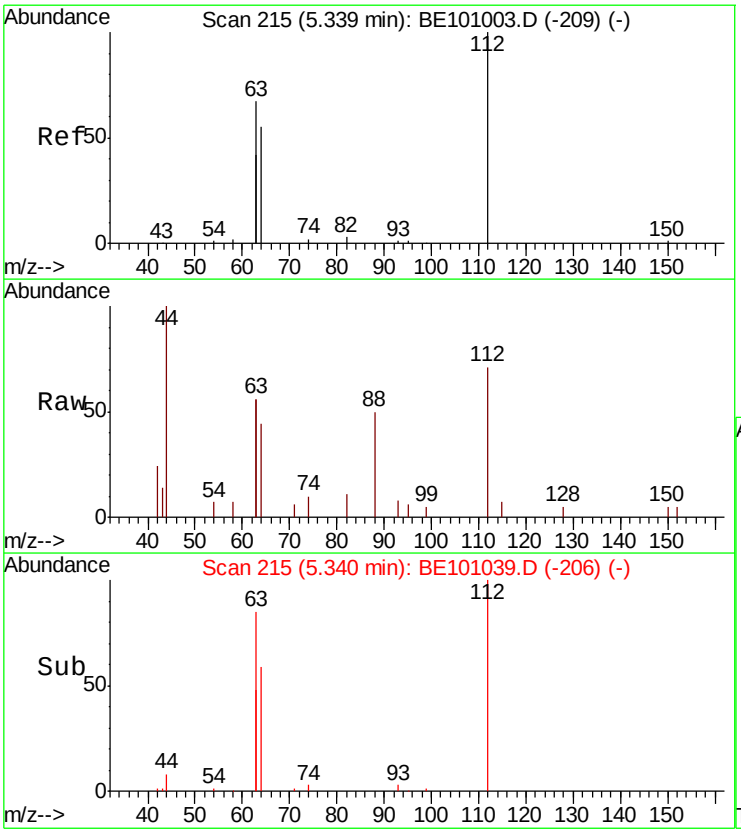
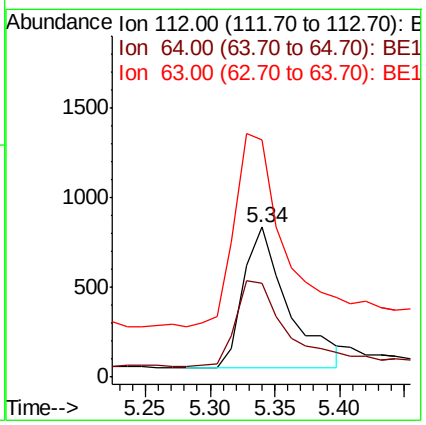
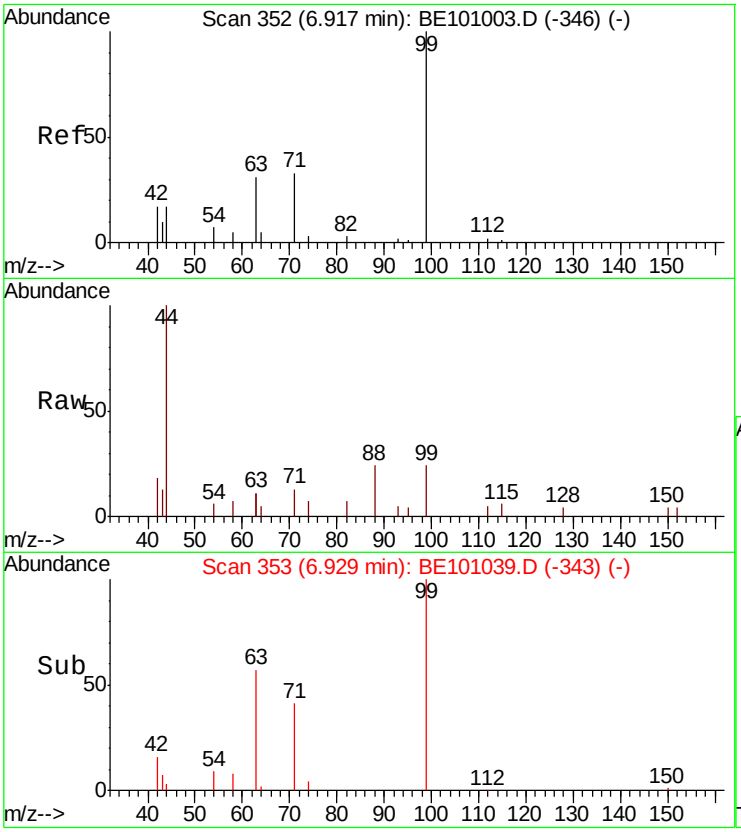


#4
2-Fluorophenol
Concen: 0.294 ng
RT: 5.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:112 Resp: 1892

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.6	80.4
63	148.8	114.6	172.0





#5
Phenol-d6
Concen: 0.229 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion: 99 Resp: 1862

Ion	Ratio	Lower	Upper
99	100		
42	19.8	18.3	27.5
71	38.2	28.0	42.0

Instrument :
BNA_E
ClientSampleId :
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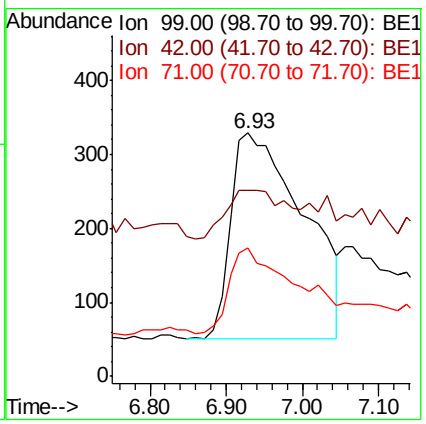
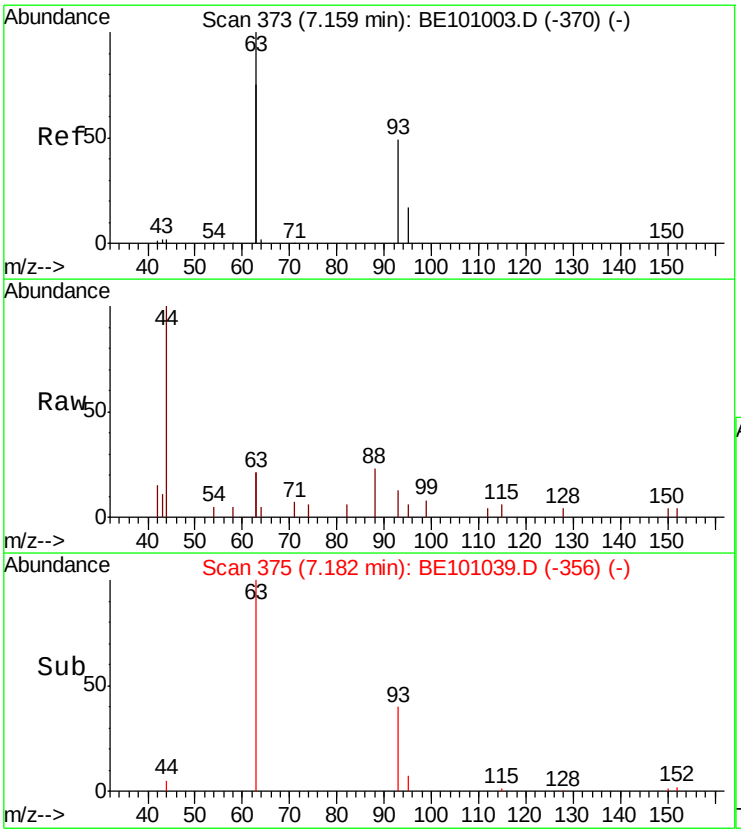
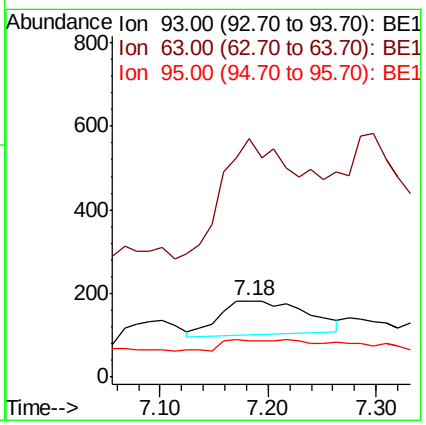


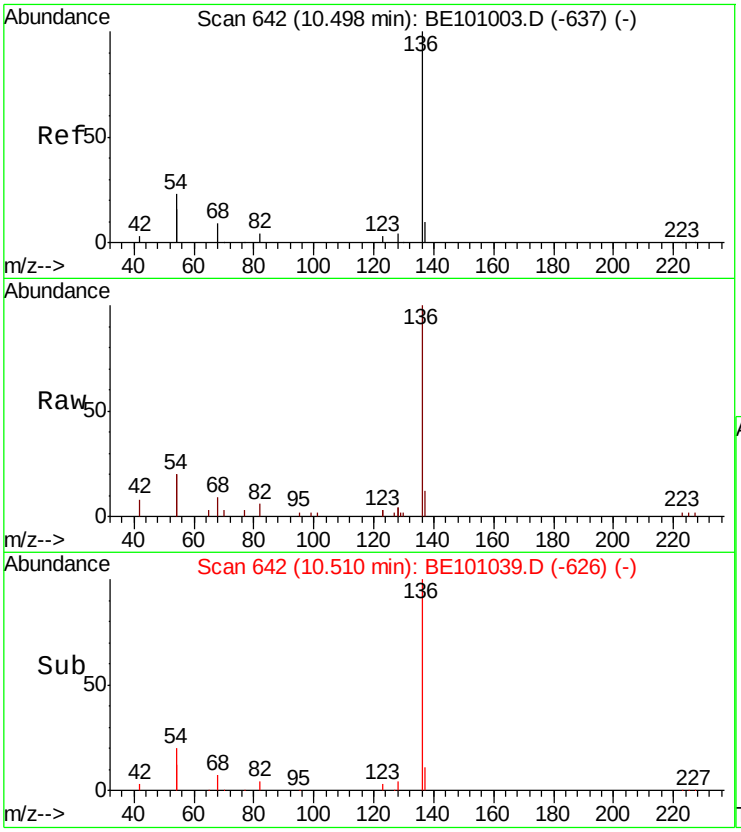


#6
bis(2-Chloroethyl)ether
Concen: 0.046 ng
RT: 7.18 min Scan# 375
Delta R.T. 0.02 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion: 93 Resp: 449

Ion	Ratio	Lower	Upper
93	100		
63	334.5	233.9	350.9
95	13.4	23.5	35.3#

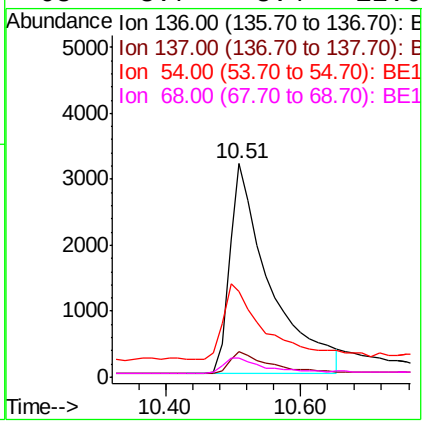




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.51 min Scan# 642
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:136 Resp: 13292

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.3	13.9
54	39.9	36.8	55.2
68	8.7	8.4	12.6



Instrument :
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ClientSampleId :
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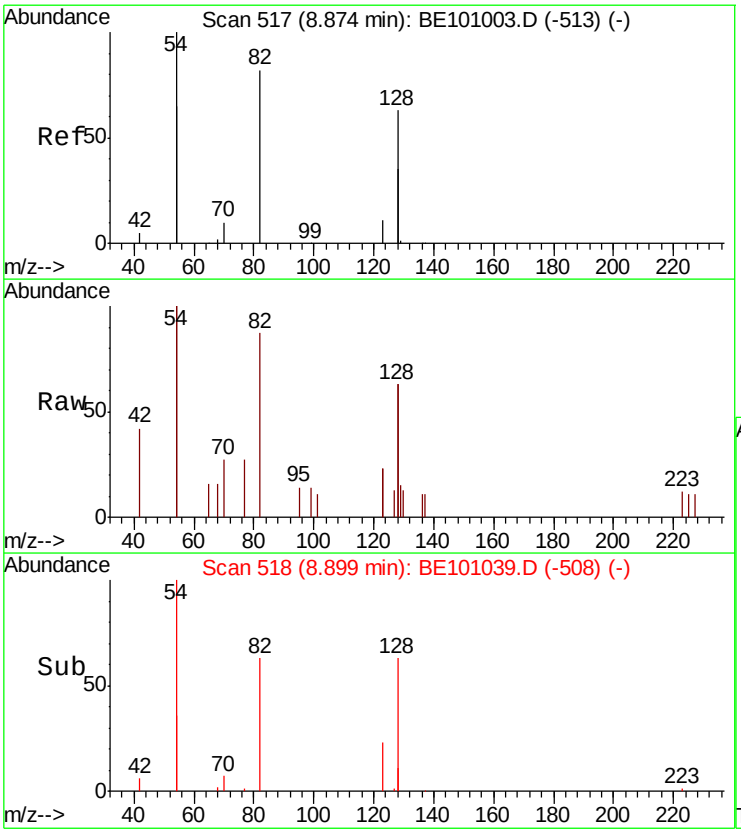
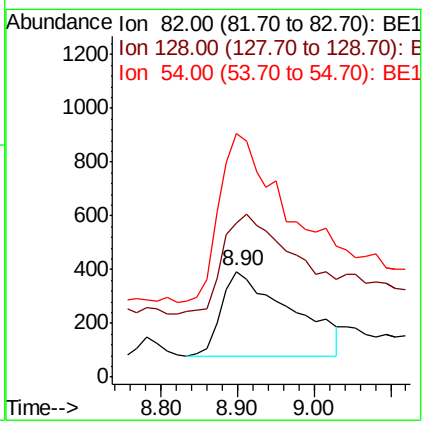
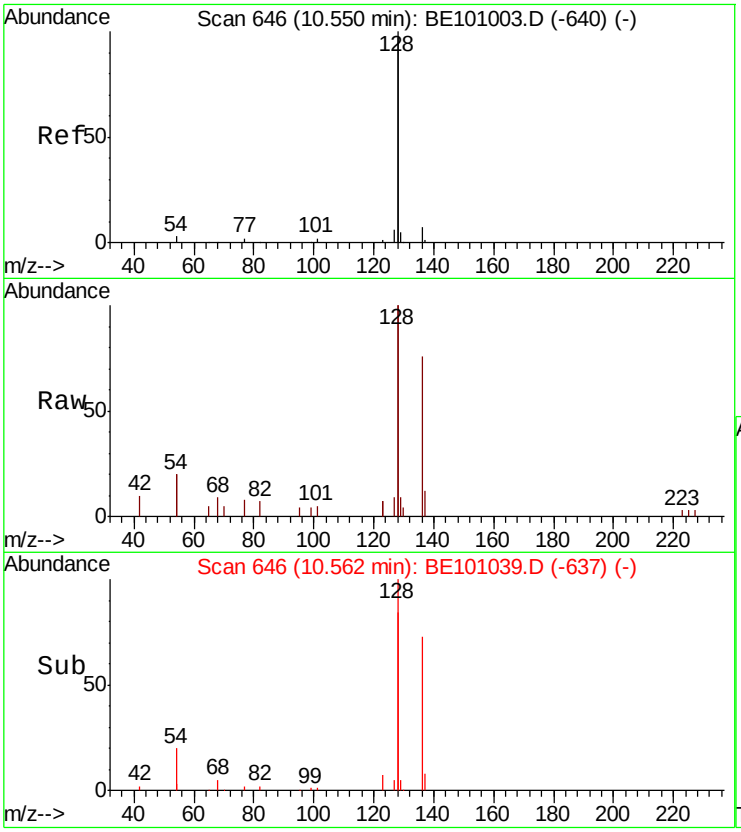


#8
Nitrobenzene-d5
Concen: 0.206 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.02 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion: 82 Resp: 1963

Ion	Ratio	Lower	Upper
82	100		
128	145.5	109.8	164.6
54	230.5	174.5	261.7

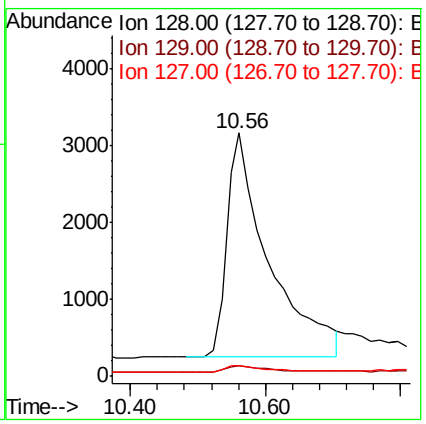




#9
Naphthalene
Concen: 0.085 ng
RT: 10.56 min Scan# 646
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:128 Resp: 12602

Ion	Ratio	Lower	Upper
128	100		
129	4.3	2.3	3.5#
127	4.3	2.7	4.1#



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ClientSampleId :
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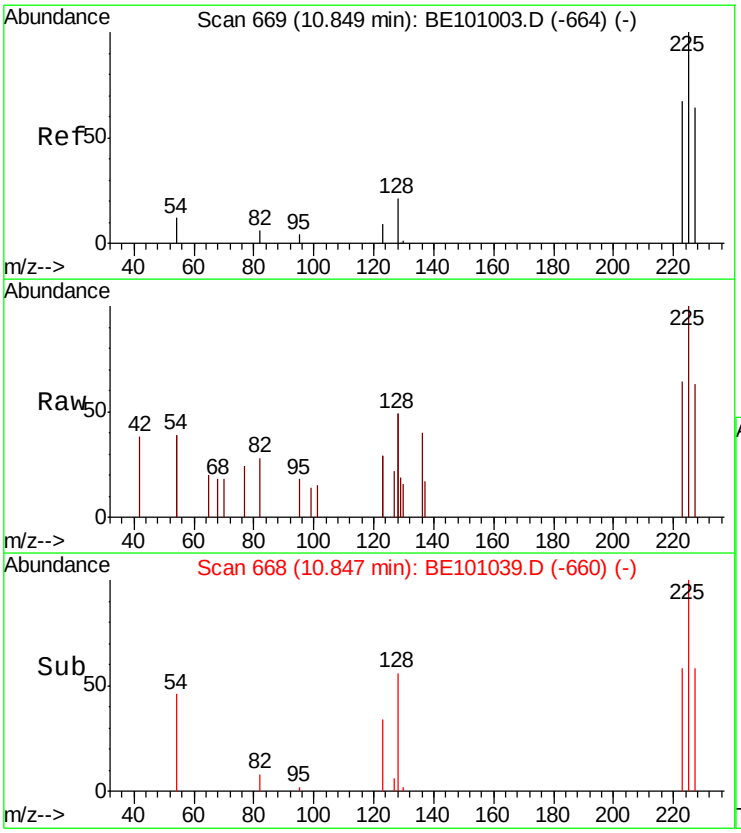
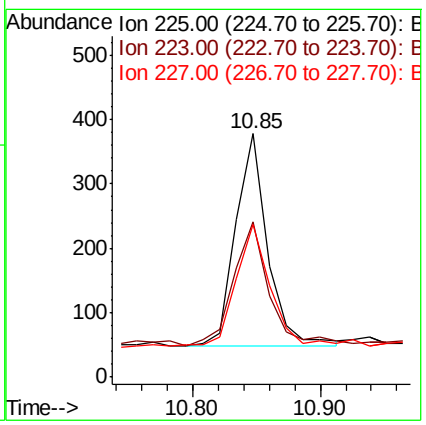
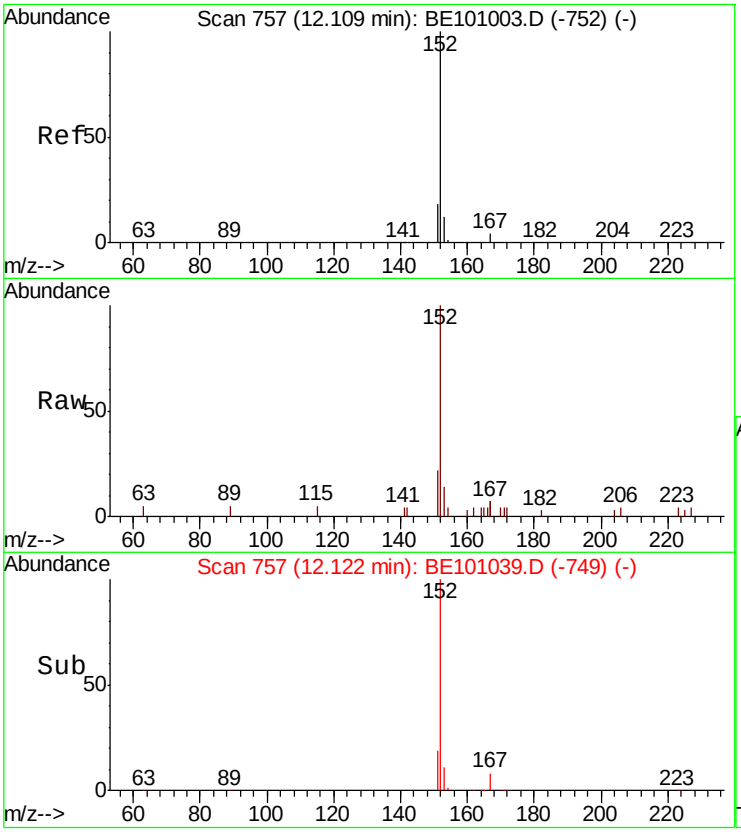


#10
Hexachlorobutadiene
Concen: 0.091 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:225 Resp: 570

Ion	Ratio	Lower	Upper
225	100		
223	66.7	52.2	78.4
227	60.5	49.9	74.9

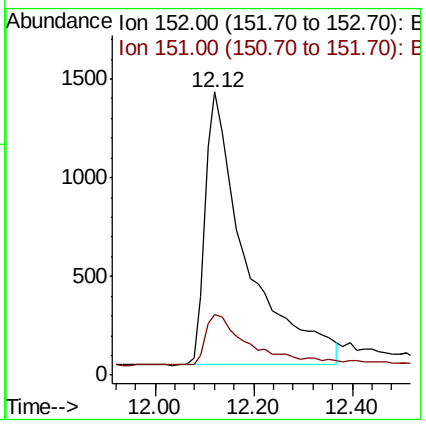




#11
2-Methylnaphthalene-d10
Concen: 0.315 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:152 Resp: 7988

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.0	22.6



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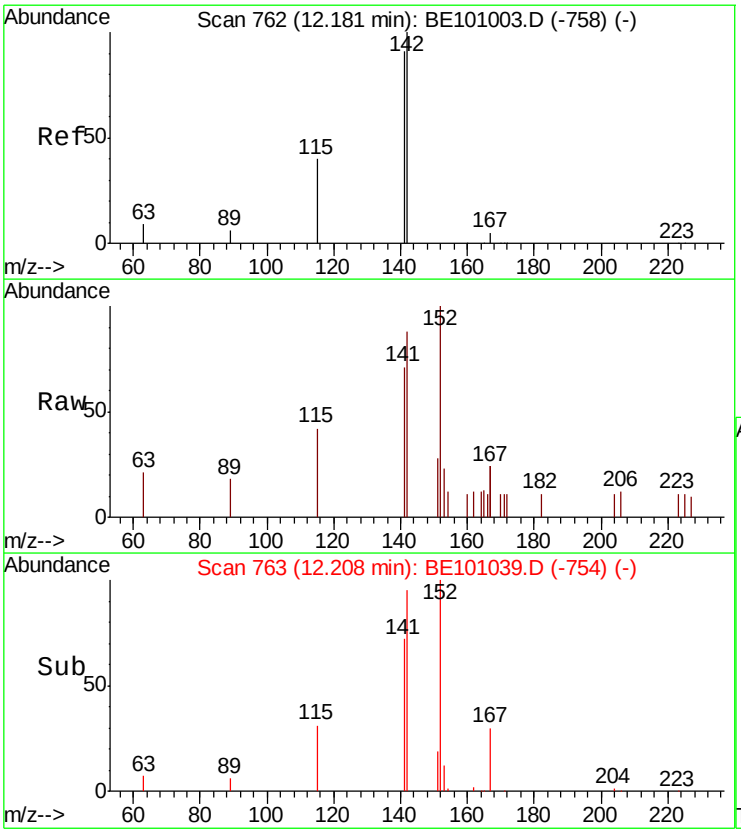
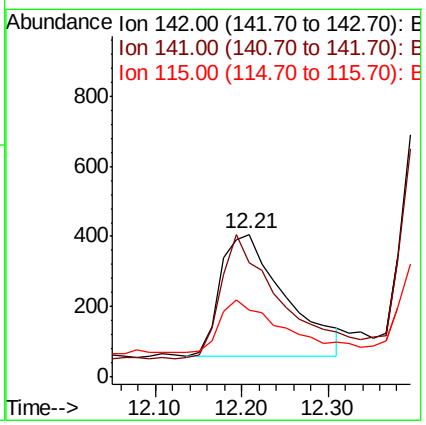
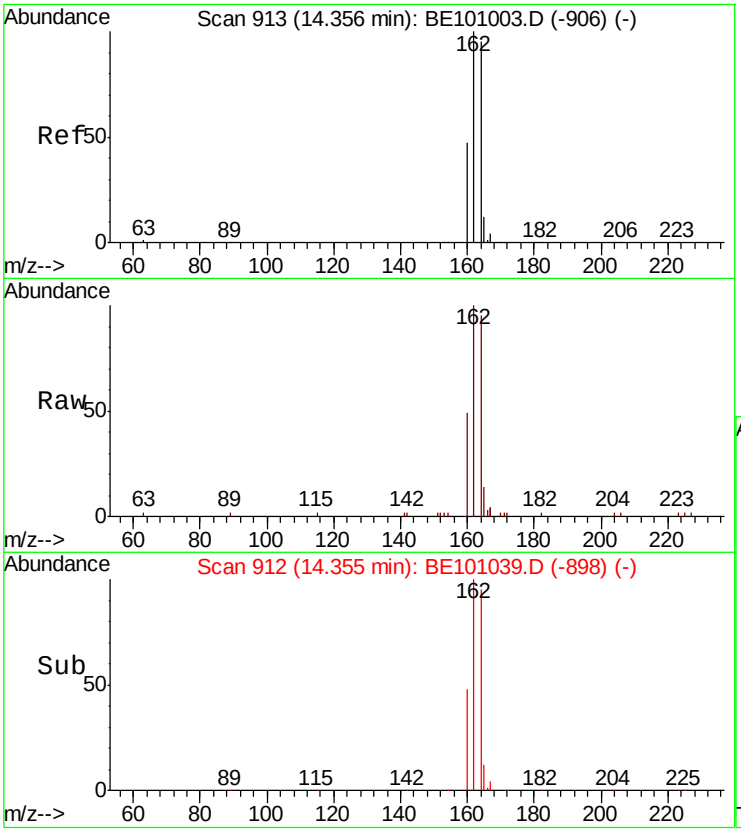


#12
2-Methylnaphthalene
Concen: 0.080 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.03 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:142 Resp: 1797

Ion	Ratio	Lower	Upper
142	100		
141	80.0	72.5	108.7
115	47.3	33.0	49.6

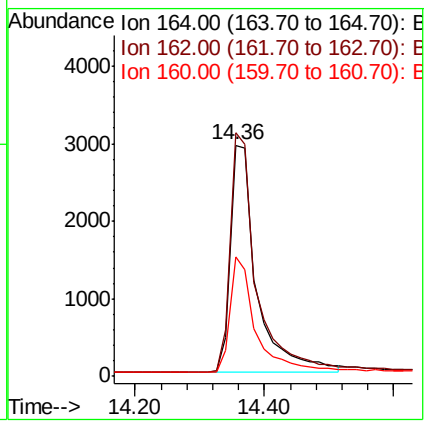




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:164 Resp: 8344

Ion	Ratio	Lower	Upper
164	100		
162	105.3	84.1	126.1
160	51.8	40.4	60.6



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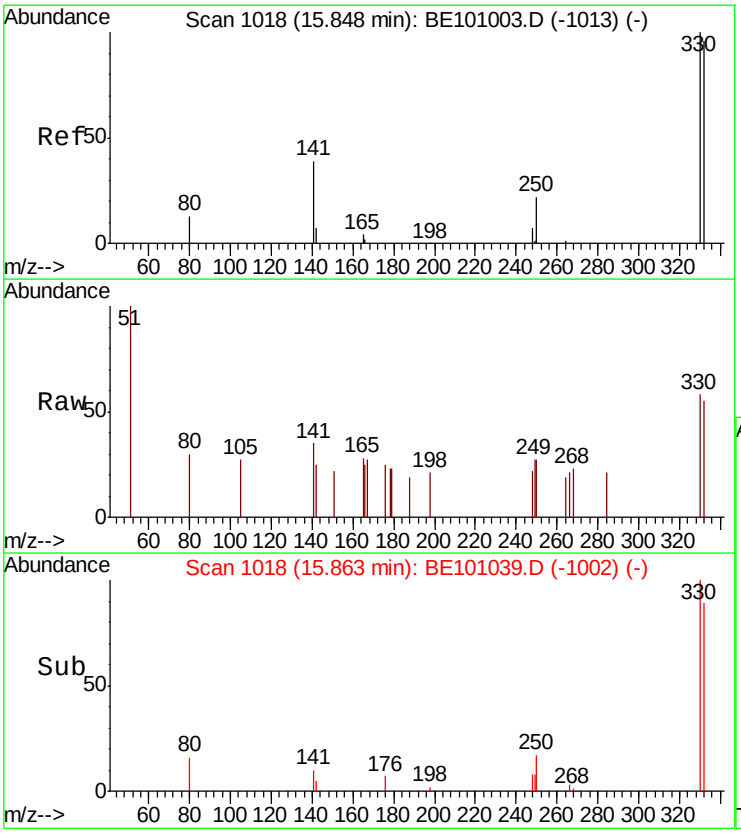
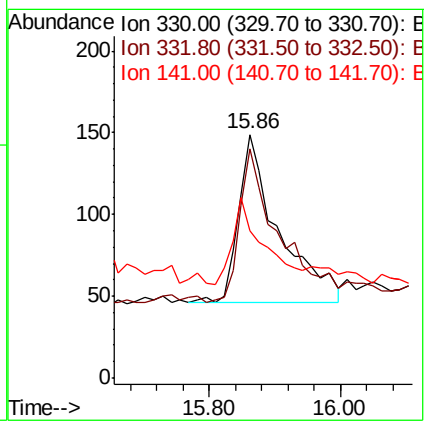
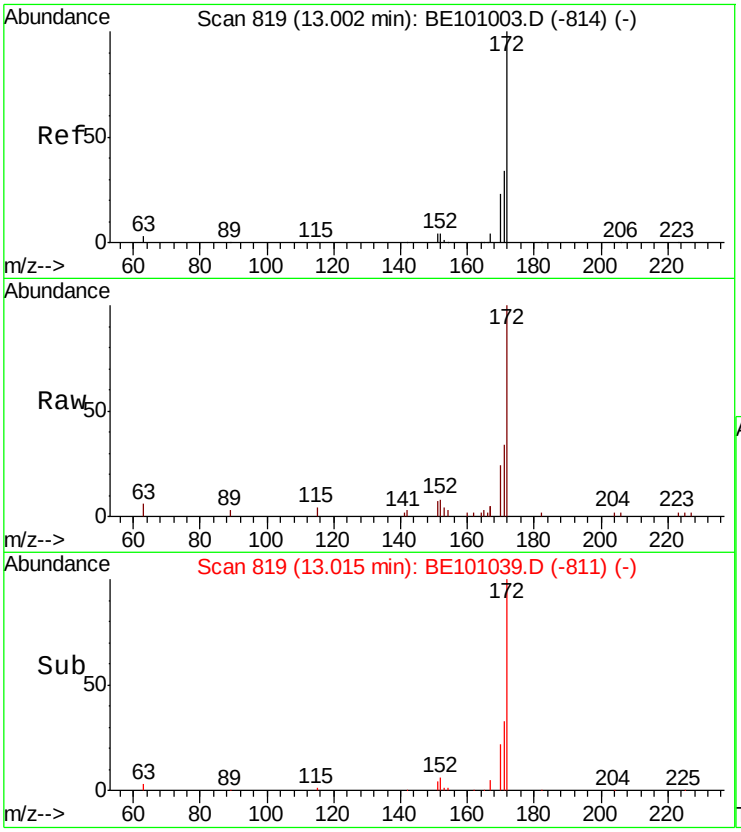


#14
2,4,6-Tribromophenol
Concen: 0.185 ng
RT: 15.86 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:330 Resp: 435

Ion	Ratio	Lower	Upper
330	100		
332	91.5	78.4	117.6
141	40.9	37.0	55.4

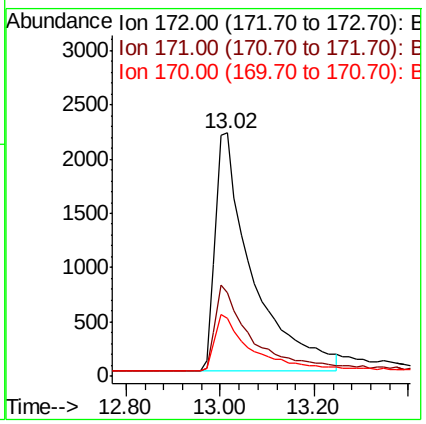




#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:172 Resp: 12019

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.2	42.2
170	23.6	18.9	28.3



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT3-2019

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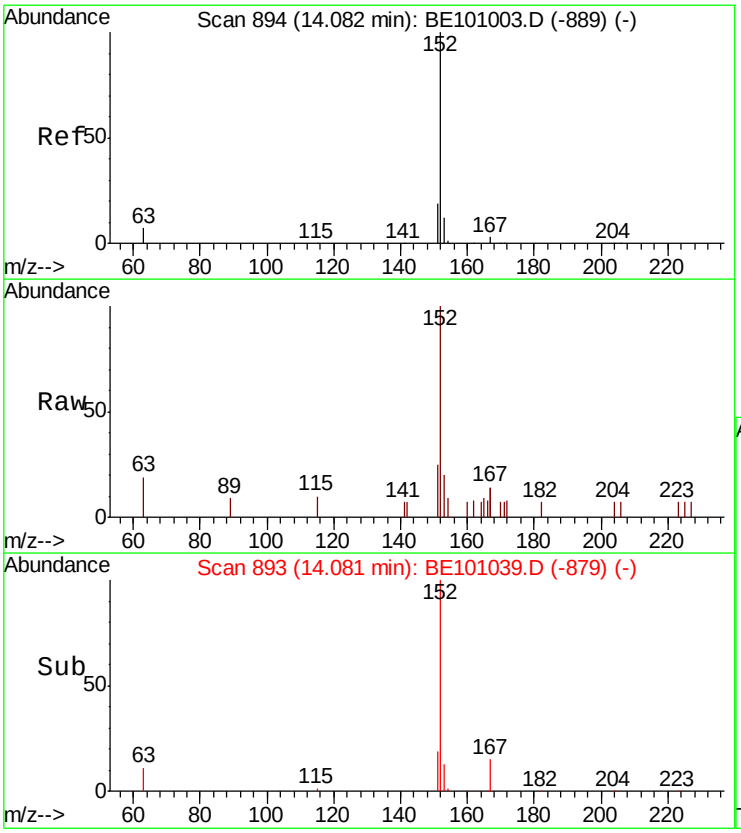
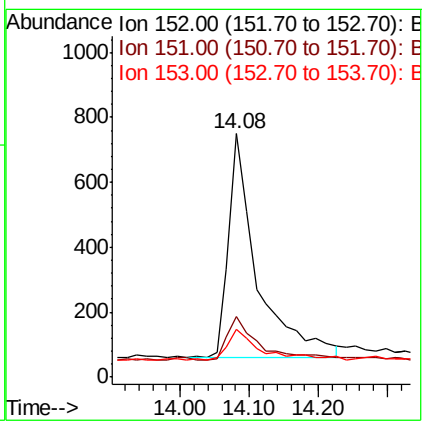
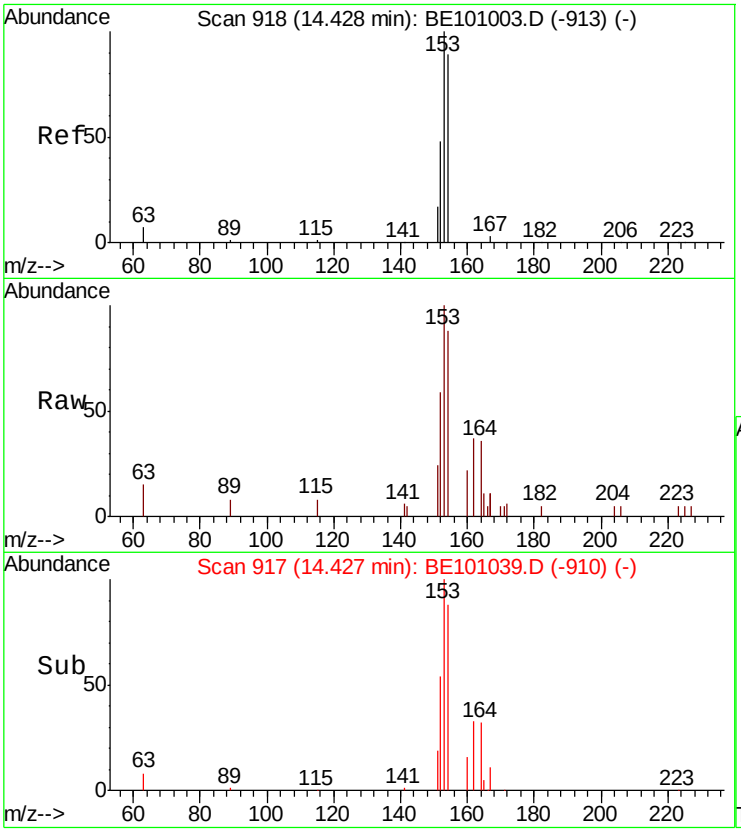


#16
Acenaphthylene
Concen: 0.059 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:152 Resp: 2003

Ion	Ratio	Lower	Upper
152	100		
151	21.7	15.5	23.3
153	13.8	10.4	15.6

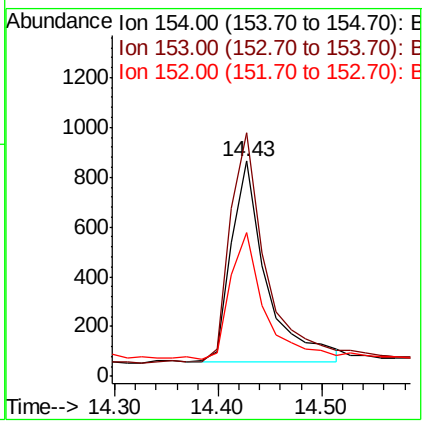




#17
Acenaphthene
Concen: 0.077 ng
RT: 14.43 min Scan# 917
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:154 Resp: 1884

Ion	Ratio	Lower	Upper
154	100		
153	118.0	93.6	140.4
152	60.4	46.3	69.5



Instrument :
BNA_E
ClientSampleId :
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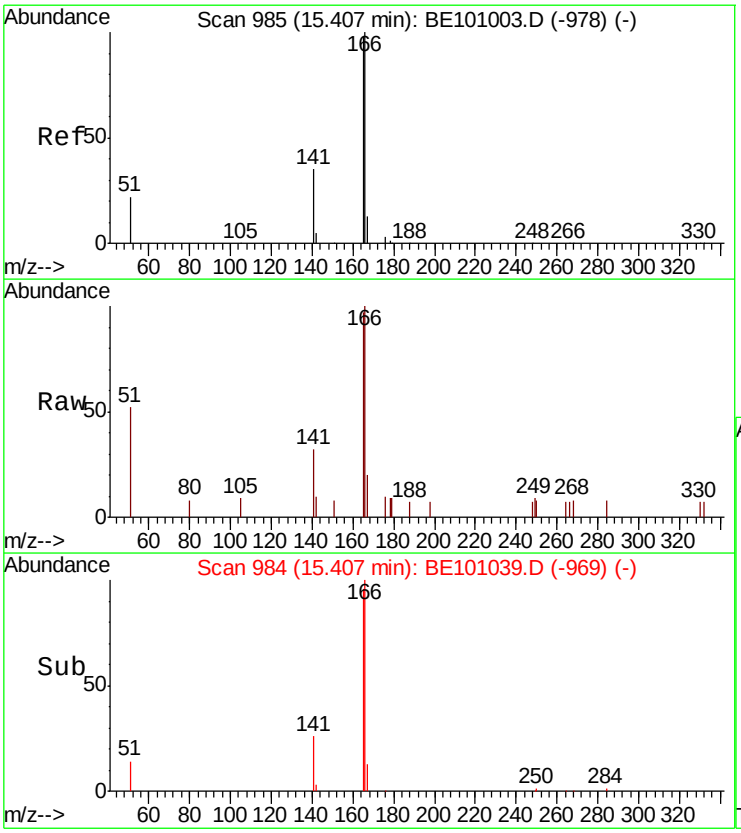
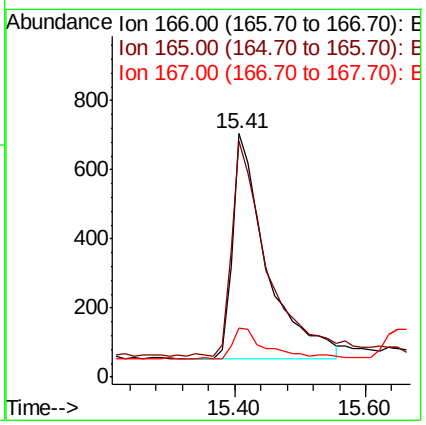
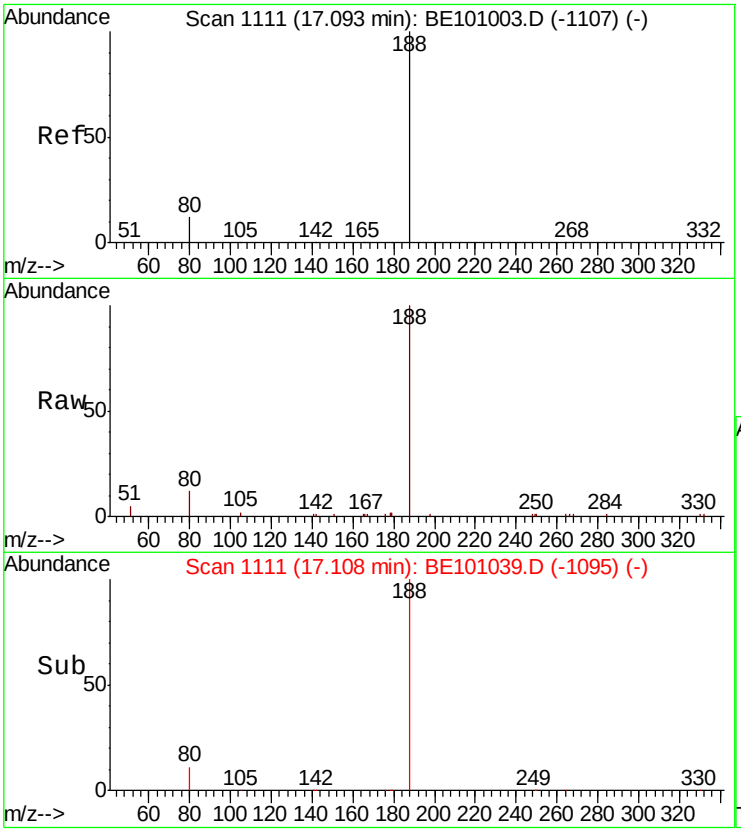


#18
Fluorene
Concen: 0.078 ng
RT: 15.41 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:166 Resp: 2385

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.8	119.8
167	13.7	11.0	16.6

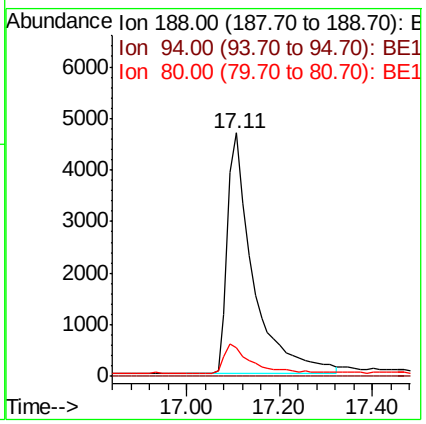




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.11 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:188 Resp: 17901

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.8	10.8	16.2



Instrument :
BNA_E
ClientSampleId :
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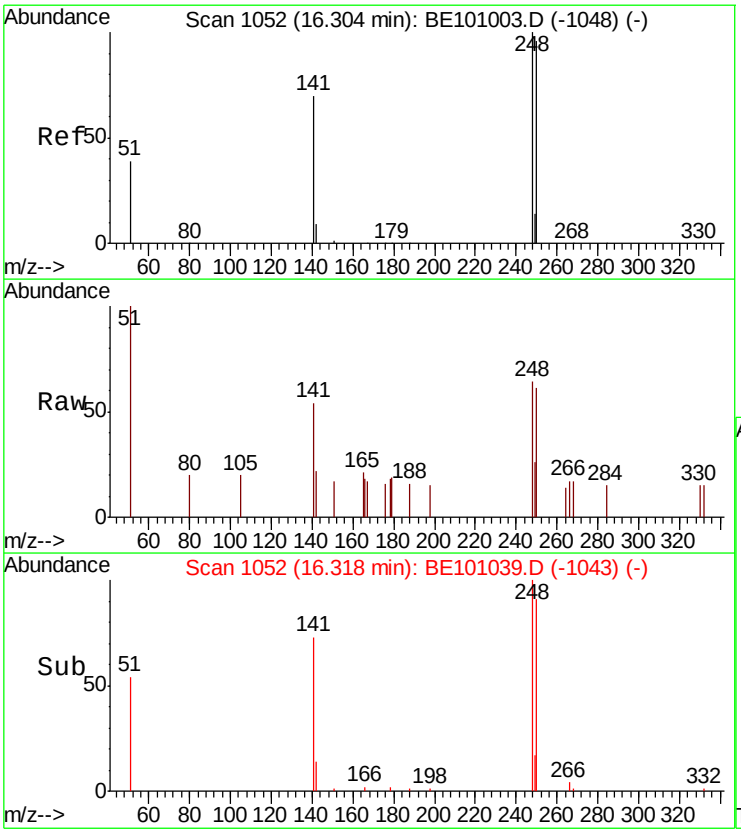
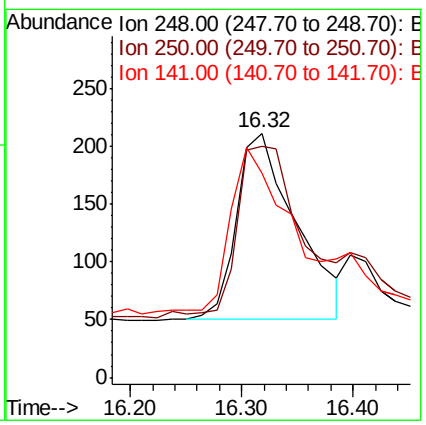
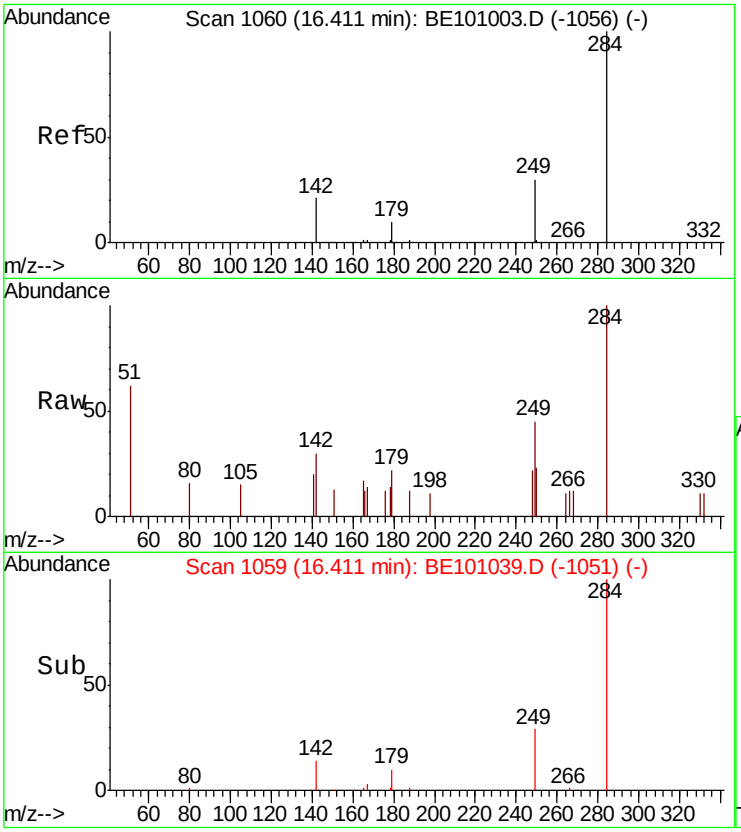


#20
4-Bromophenyl-phenylether
Concen: 0.069 ng
RT: 16.32 min Scan# 1052
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:248 Resp: 600

Ion	Ratio	Lower	Upper
248	100		
250	94.8	76.6	115.0
141	83.9	57.7	86.5

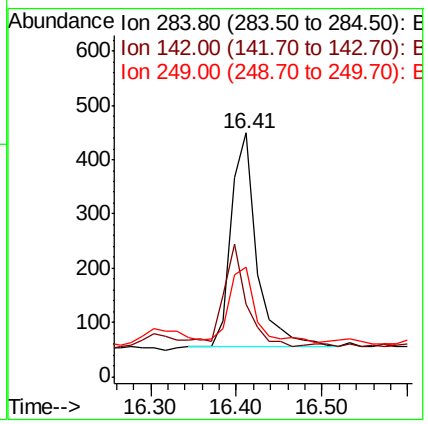




#21
Hexachlorobenzene
Concen: 0.085 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:284 Resp: 812

Ion	Ratio	Lower	Upper
284	100		
142	41.3	34.0	51.0
249	35.8	28.2	42.4



Instrument :
BNA_E
ClientSampleId :
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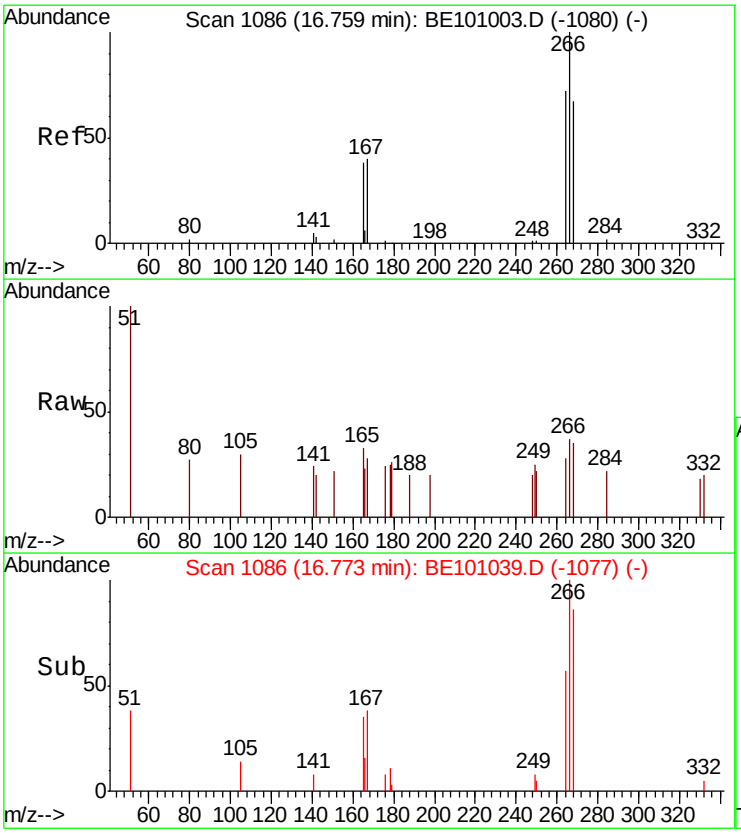
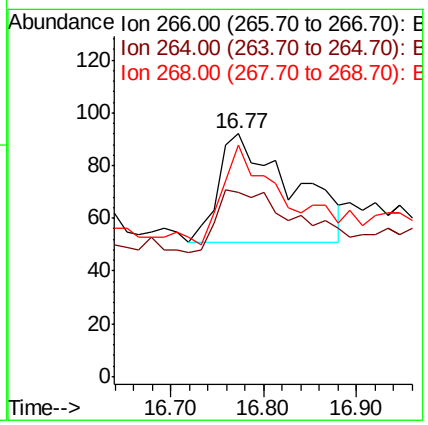
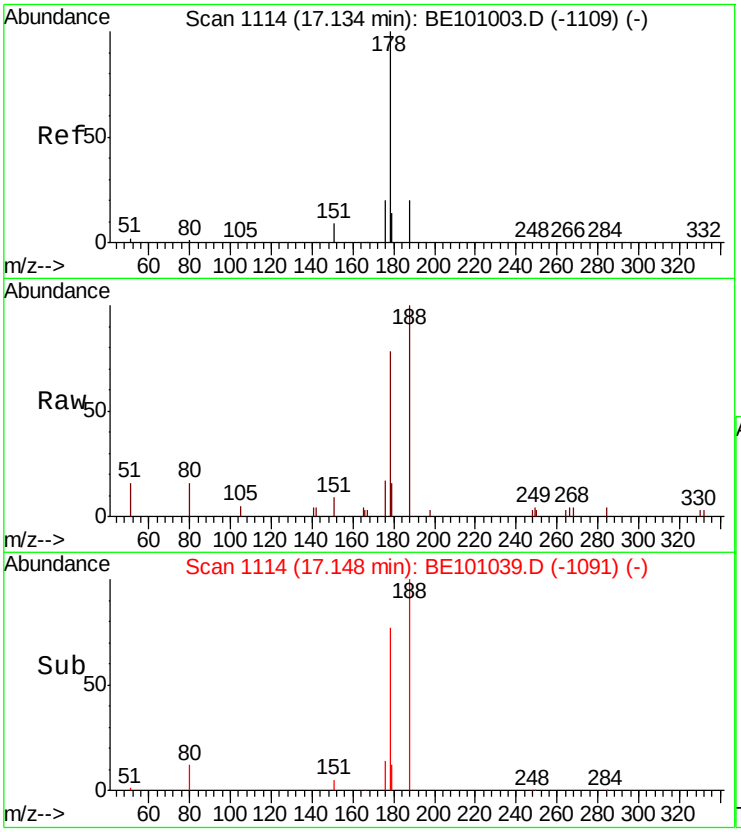


#22
Pentachlorophenol
Concen: 0.095 ng
RT: 16.77 min Scan# 1086
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:266 Resp: 225

Ion	Ratio	Lower	Upper
266	100		
264	76.1	61.0	91.4
268	95.7	58.5	87.7#

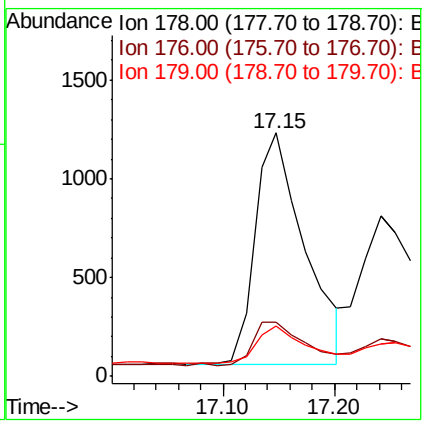




#23
Phenanthrene
Concen: 0.075 ng
RT: 17.15 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:178 Resp: 3645

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.7	12.0	18.0



Instrument :
BNA_E
ClientSampleId :
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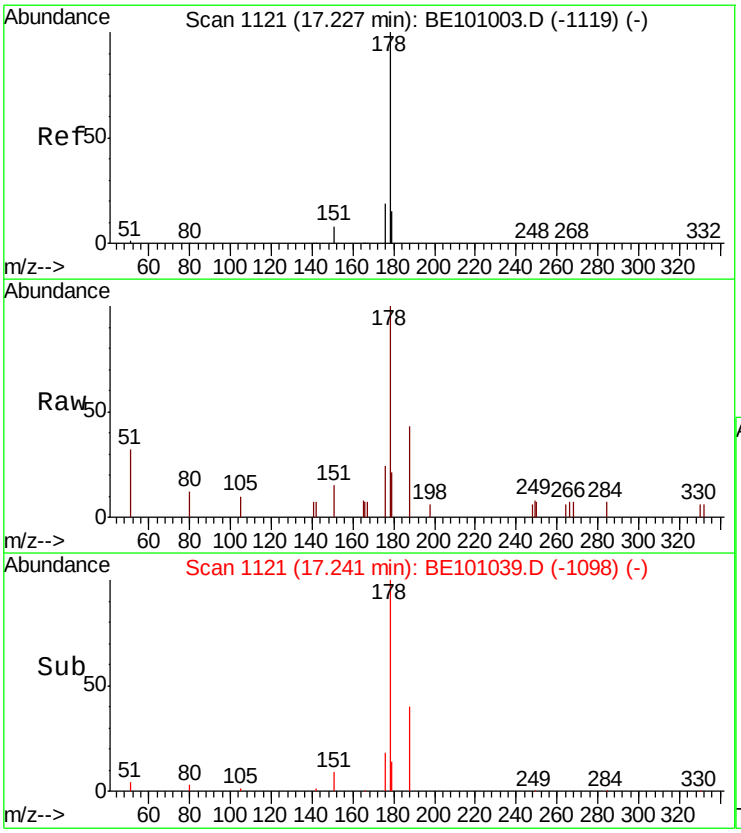
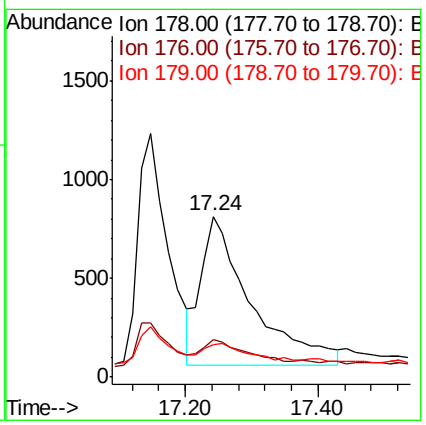
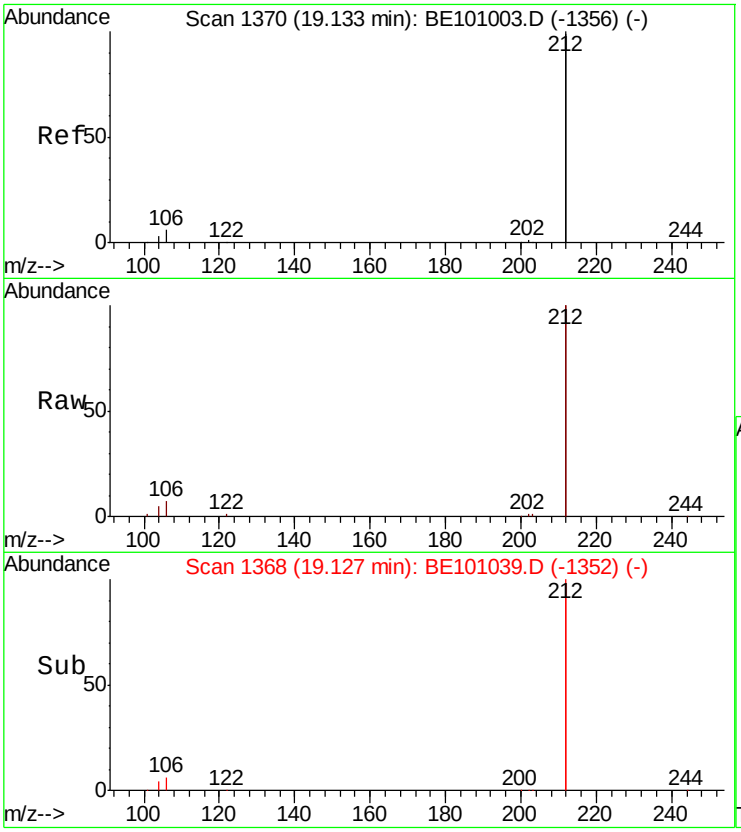


#24
Anthracene
Concen: 0.087 ng m
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:178 Resp: 4005

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	14.3	12.4	18.6





#25
Fluoranthene-d10
Concen: 0.278 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:212 Resp: 69165

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.6	3.8
104	1.9	1.4	2.0

Instrument :
BNA_E
ClientSampleId :
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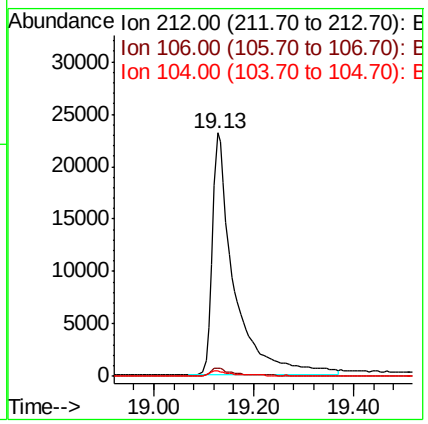
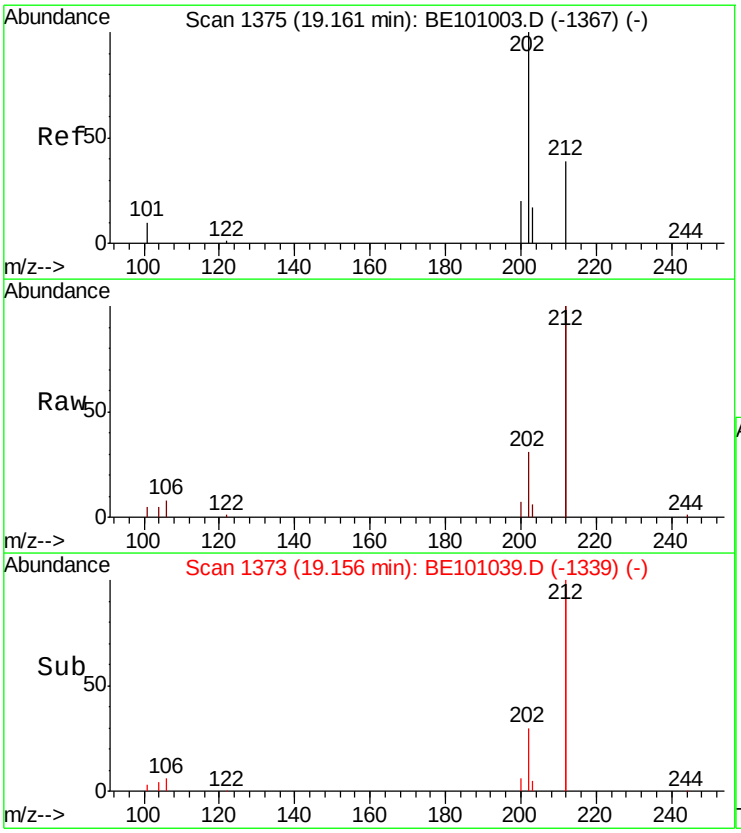
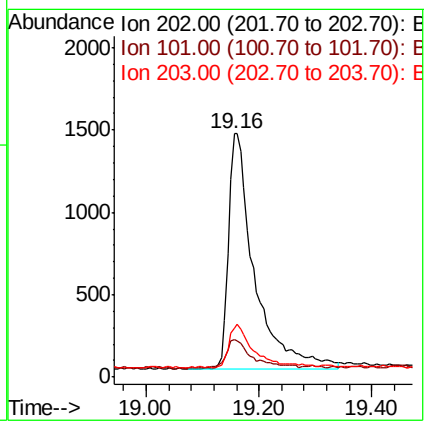


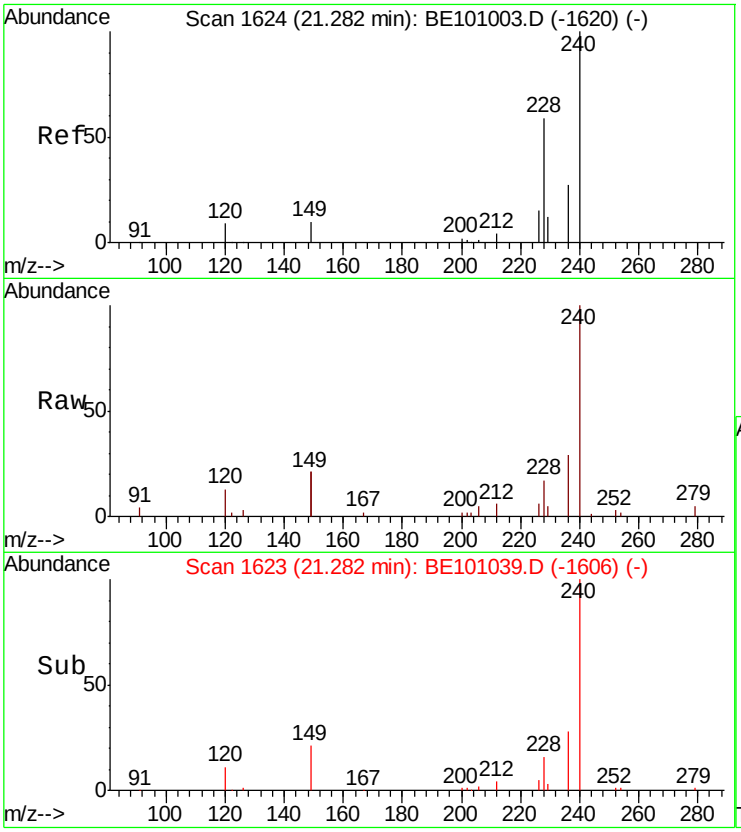


#26
Fluoranthene
Concen: 0.075 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:202 Resp: 4586

Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.6	14.4
203	16.3	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: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:240 Resp: 13963

Ion	Ratio	Lower	Upper
240	100		
120	12.8	8.6	13.0
236	29.4	22.2	33.4

Instrument :
BNA_E
ClientSampleId :
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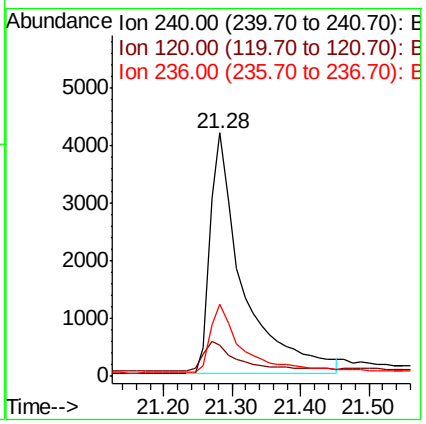
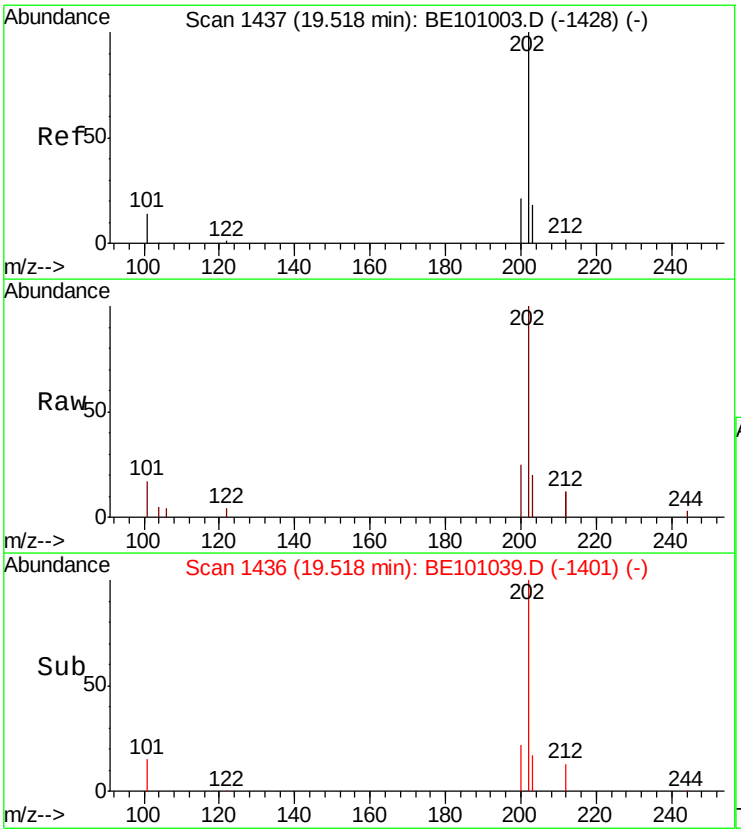
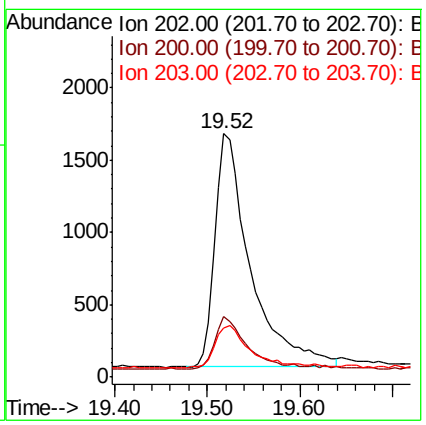


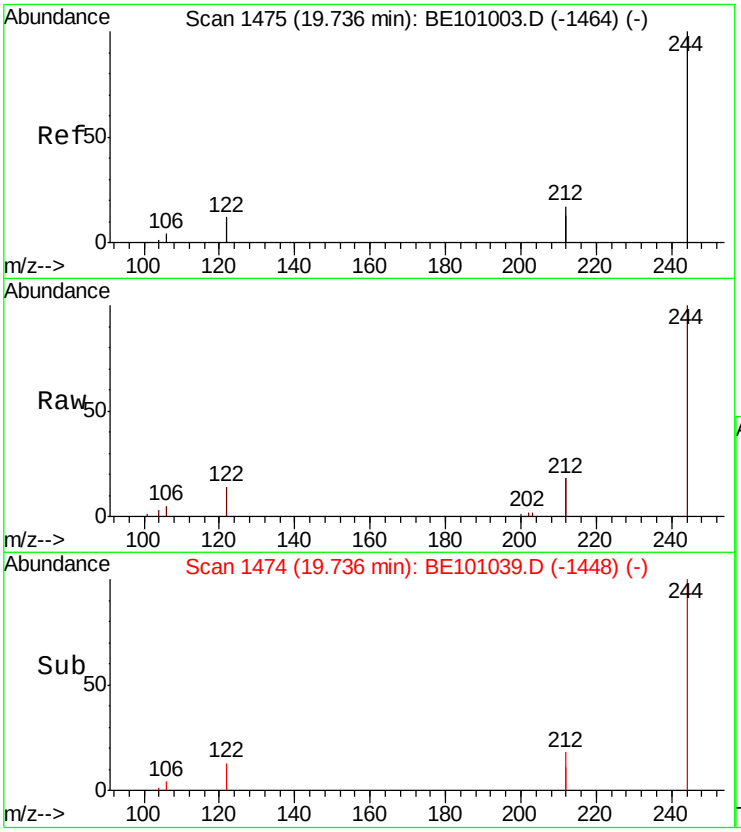


#28
Pyrene
Concen: 0.083 ng
RT: 19.52 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:202 Resp: 4292

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.2	13.8	20.6





#29
Terphenyl-d14
Concen: 0.406 ng
RT: 19.74 min Scan# 1474
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:244 Resp: 13933

Ion	Ratio	Lower	Upper
244	100		
212	36.0	27.2	40.8
122	13.7	9.8	14.8

Instrument :
BNA_E
ClientSampleId :
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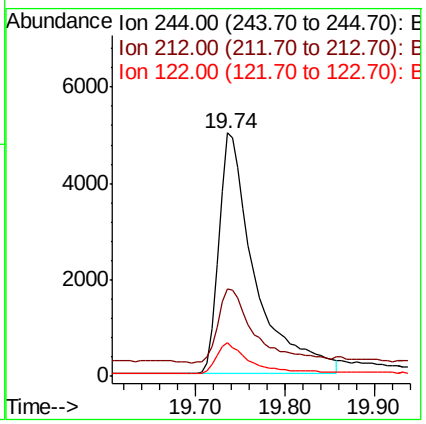
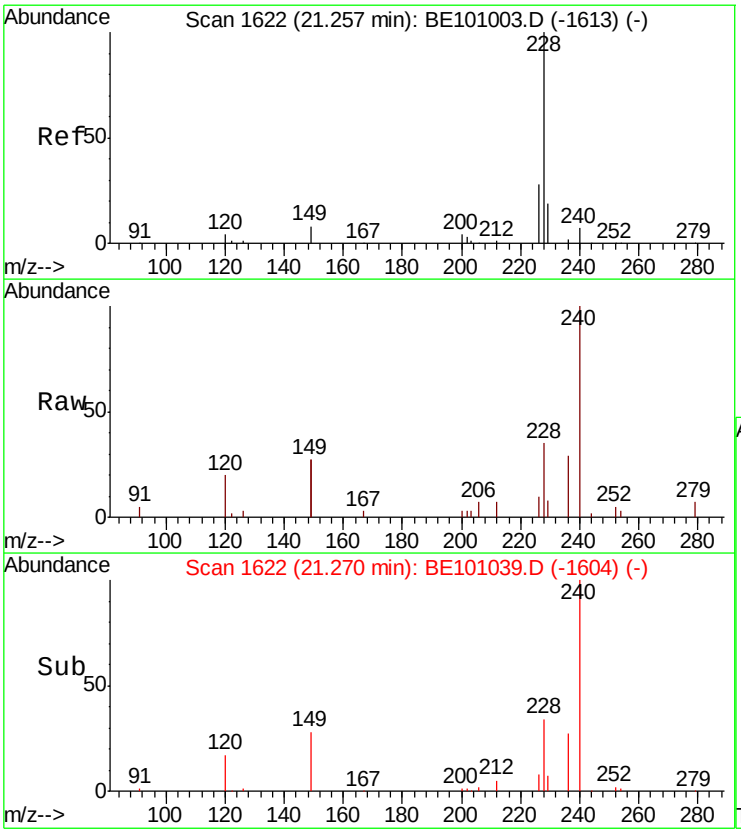
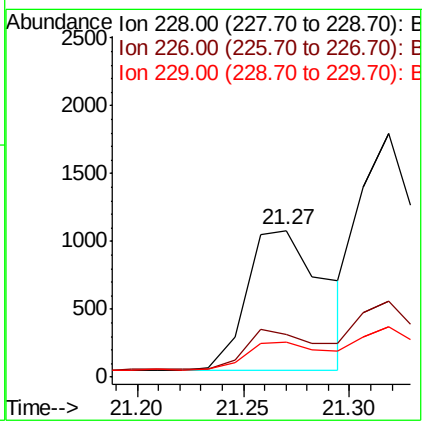


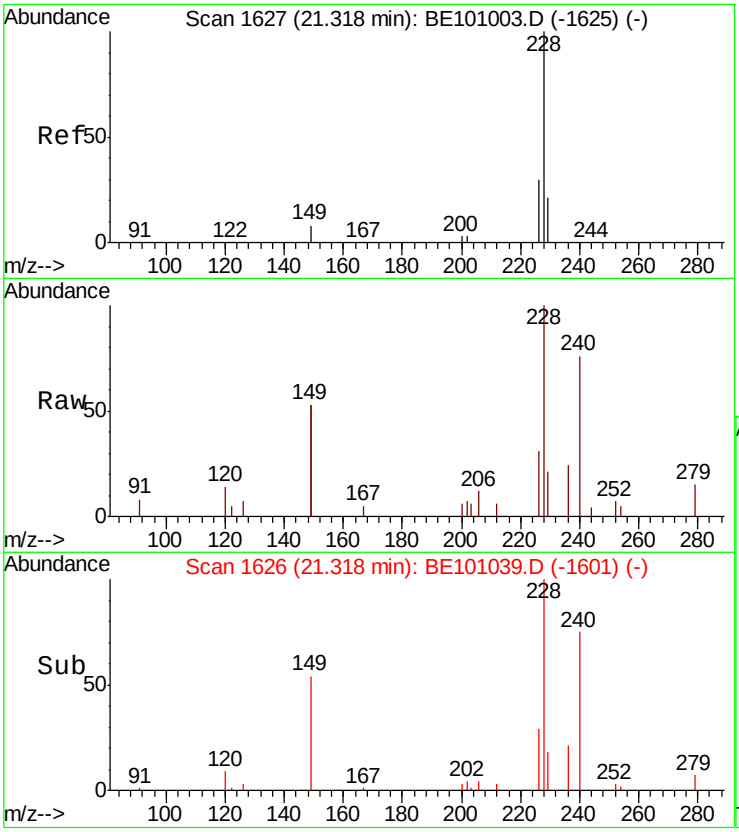


#30
Benzo(a)anthracene
Concen: 0.067 ng m
RT: 21.27 min Scan# 1622
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:228 Resp: 2659

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.7	34.1
229	24.0	15.5	23.3#

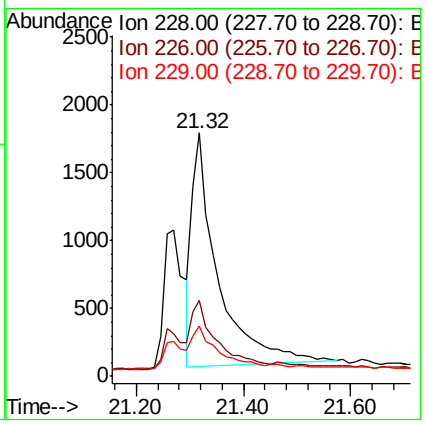




#31
Chrysene
Concen: 0.097 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:228 Resp: 5733

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.5	35.3
229	20.6	16.7	25.1



Instrument :
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ClientSampleId :
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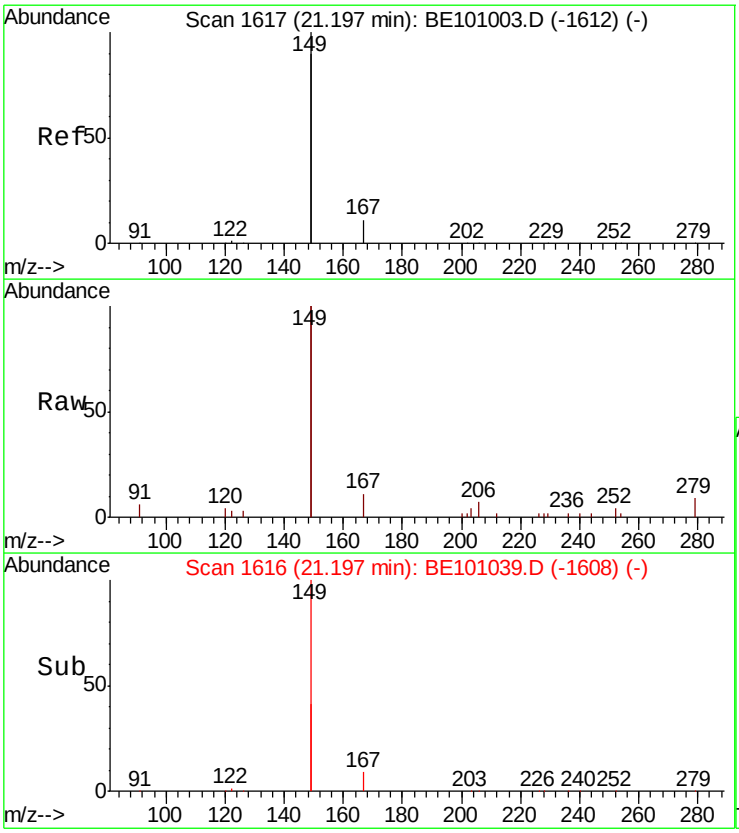
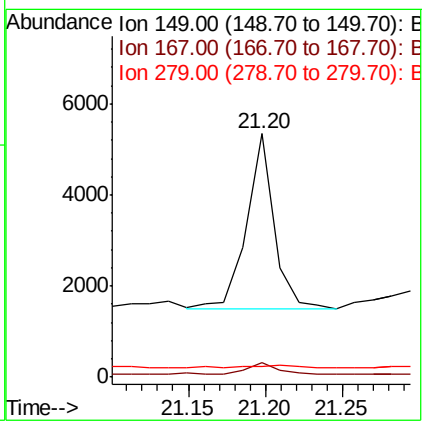
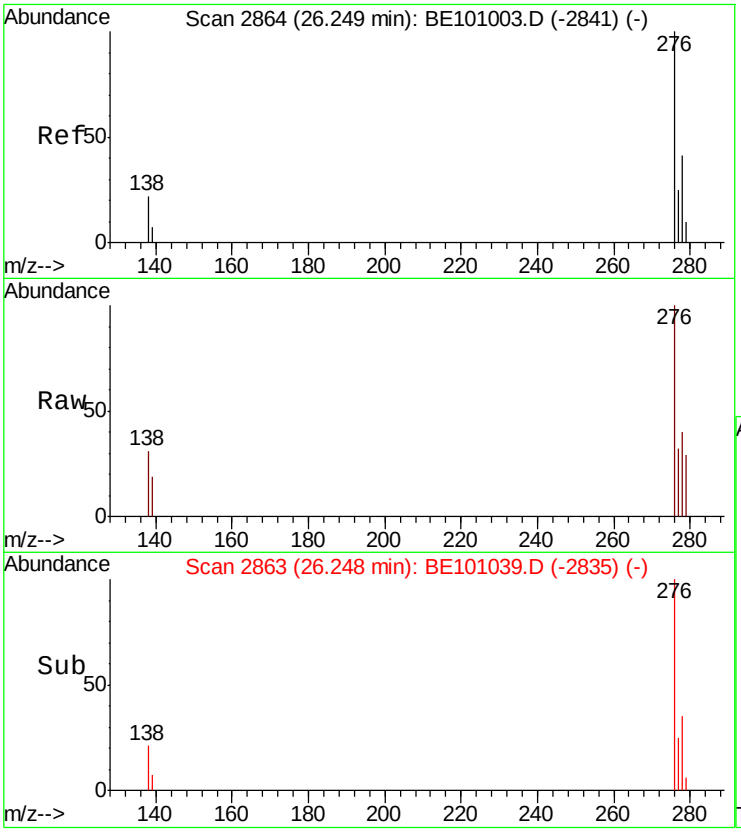


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.20 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:149 Resp: 4815

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.2	7.8
279	3.5	0.8	1.2#





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.067 ng
RT: 26.25 min Scan# 2863
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:276 Resp: 3122

Ion	Ratio	Lower	Upper
276	100		
138	13.4	16.1	24.1#
277	10.3	18.1	27.1#

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT3-2019

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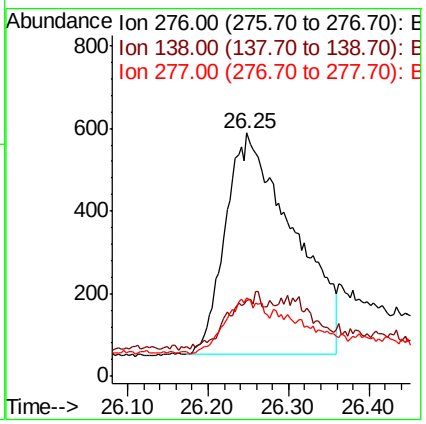
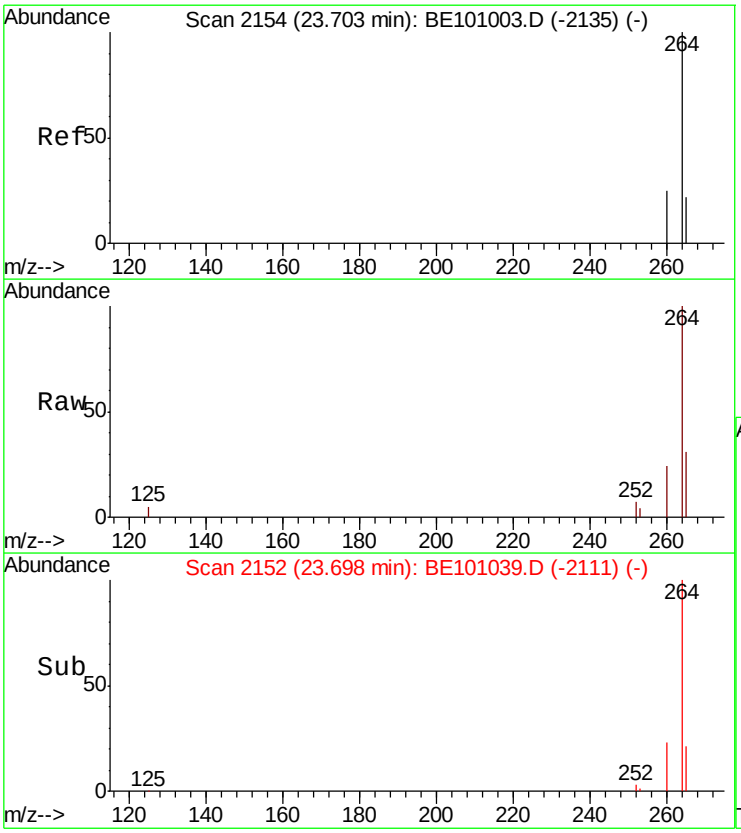
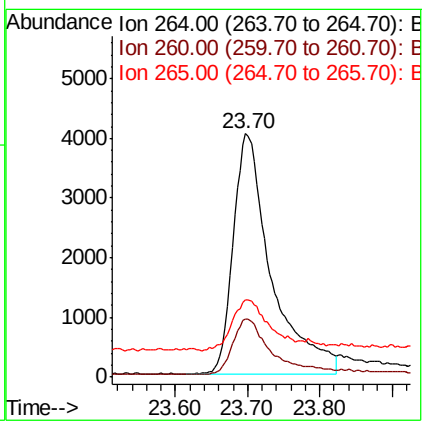


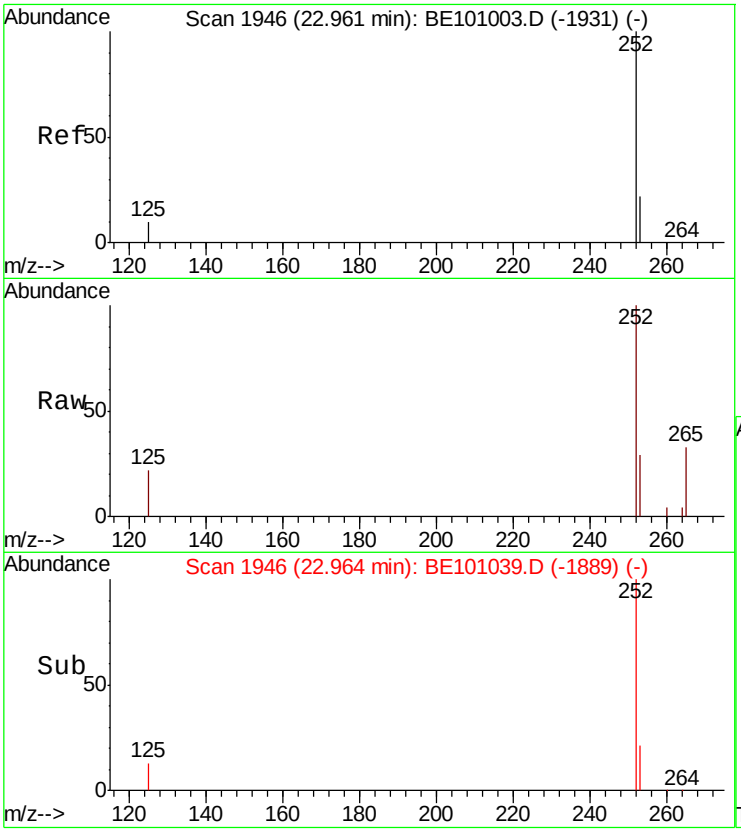


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.70 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:264 Resp: 14386

Ion	Ratio	Lower	Upper
264	100		
260	23.8	20.3	30.5
265	31.5	27.0	40.4





#35
Benzo(b)fluoranthene
Concen: 0.067 ng
RT: 22.96 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:252 Resp: 2715

Ion	Ratio	Lower	Upper
252	100		
253	29.2	18.5	27.7#
125	21.6	9.5	14.3#

Instrument :
BNA_E
ClientSampleId :
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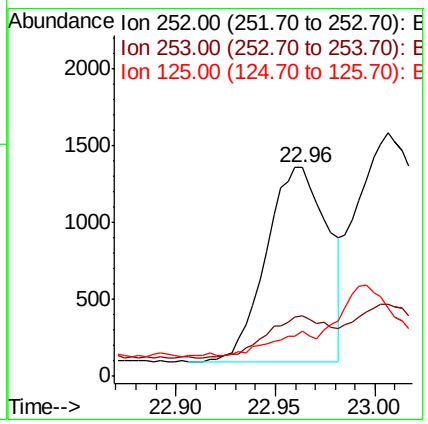
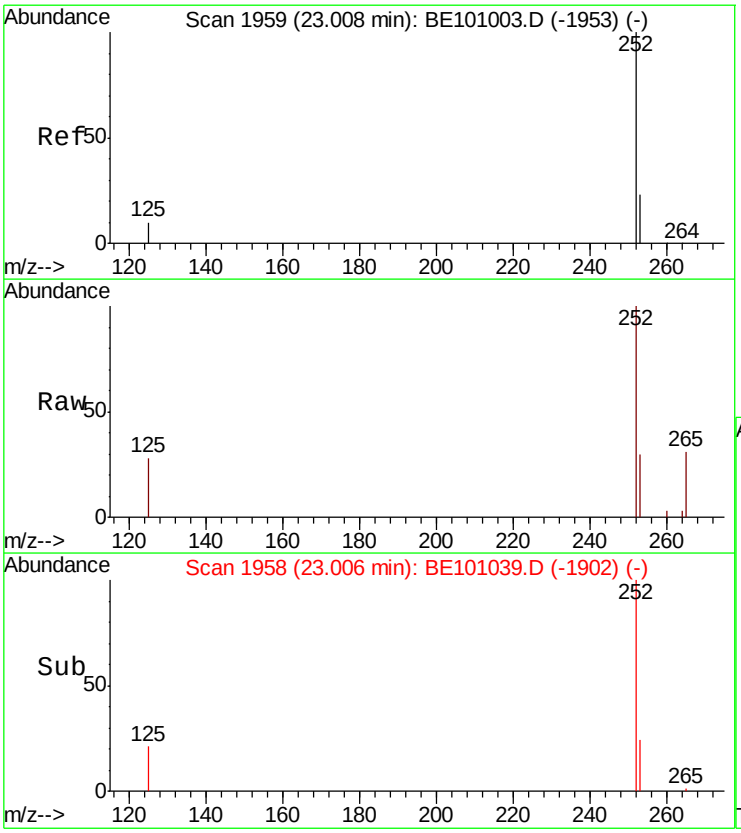
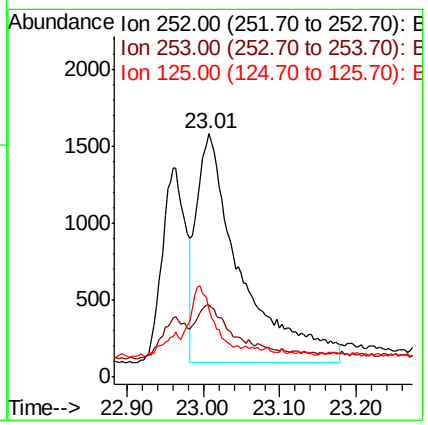


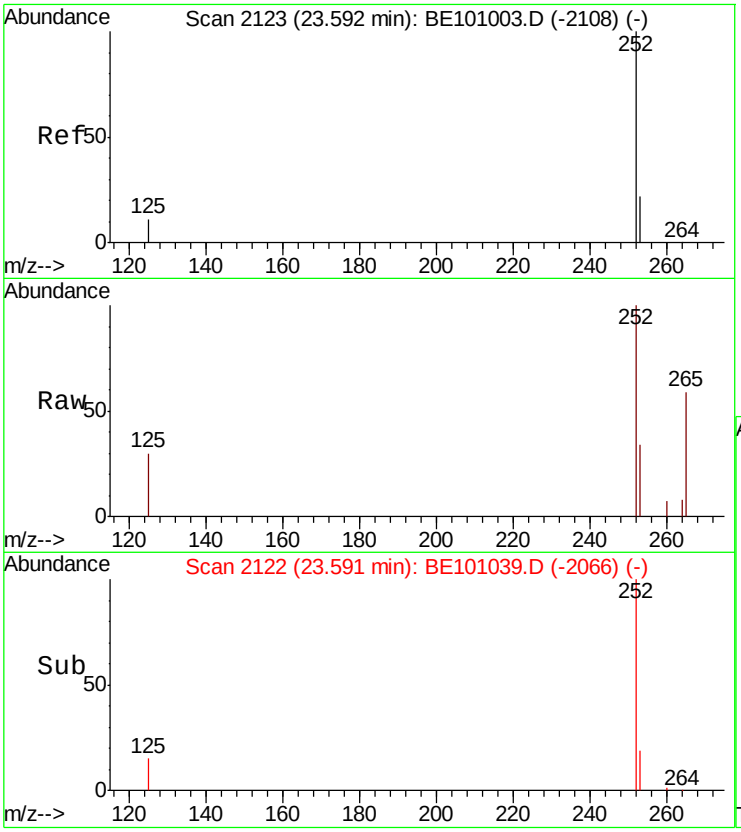


#36
Benzo(k)fluoranthene
Concen: 0.104 ng m
RT: 23.01 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:252 Resp: 6091

Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.9	28.3#
125	28.1	10.1	15.1#





#37
Benzo(a)pyrene
Concen: 0.076 ng m
RT: 23.59 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:252 Resp: 2969

Ion	Ratio	Lower	Upper
252	100		
253	33.6	19.4	29.2#
125	29.6	11.8	17.6#

Instrument :
BNA_E
ClientSampleId :
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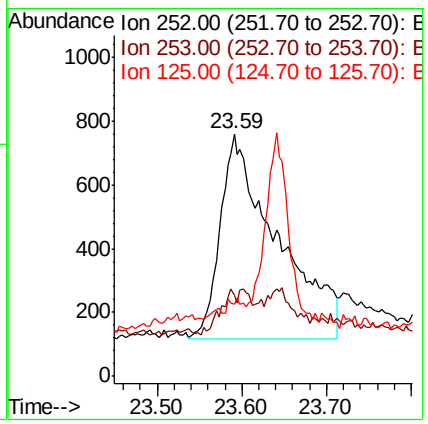
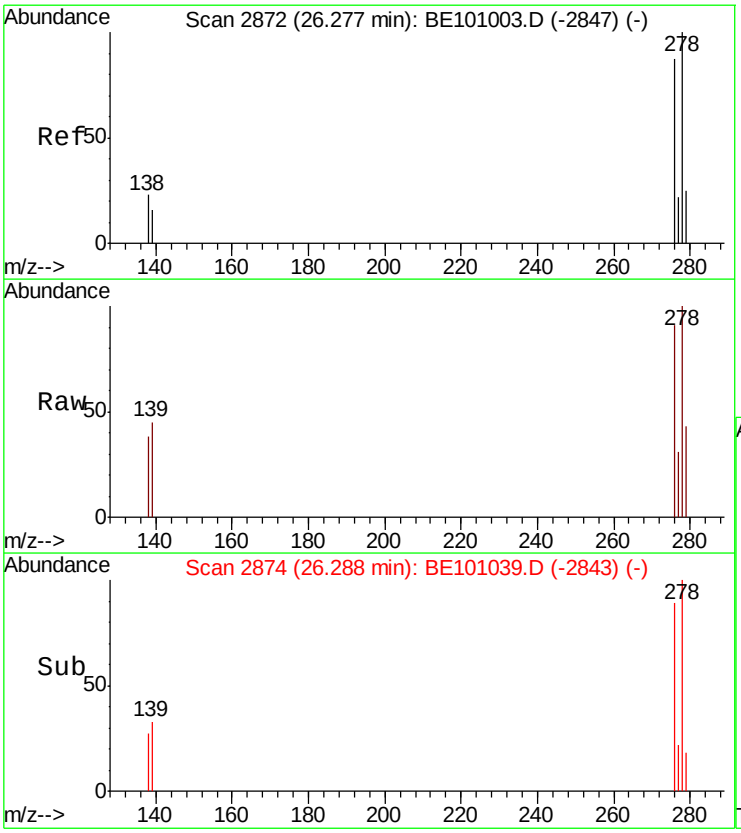
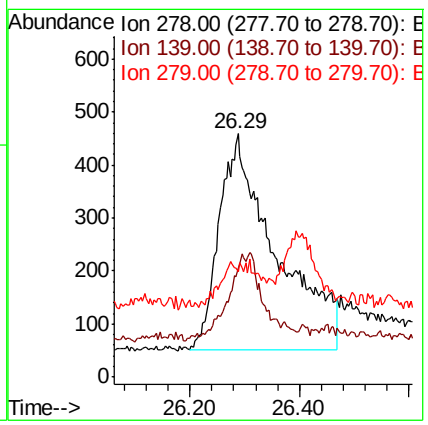


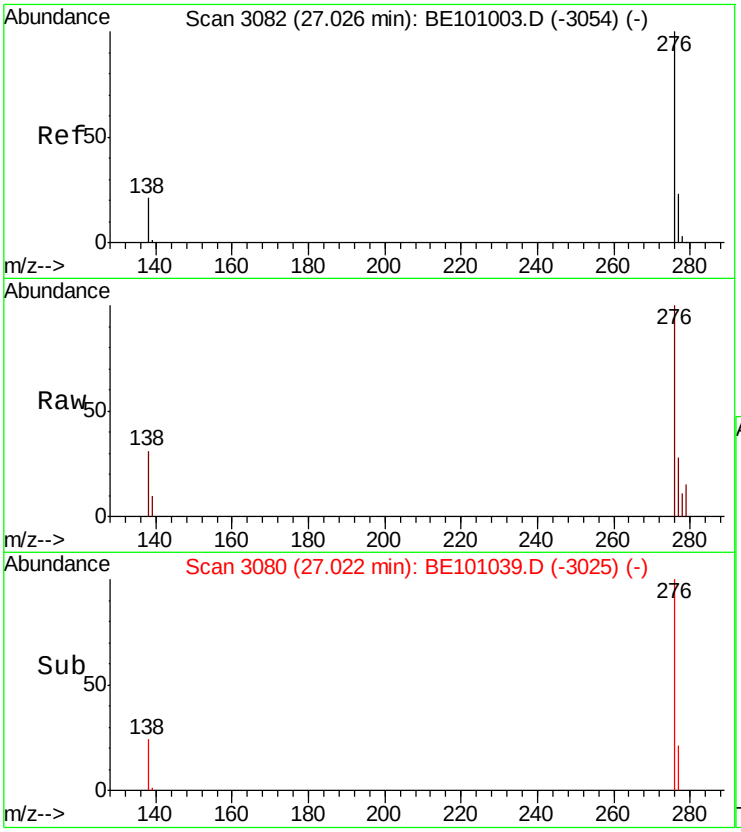


#38
Dibenzo(a,h)anthracene
Concen: 0.081 ng m
RT: 26.29 min Scan# 2874
Delta R.T. 0.01 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:278 Resp: 2923

Ion	Ratio	Lower	Upper
278	100		
139	44.7	15.0	22.4#
279	43.4	22.6	33.8#

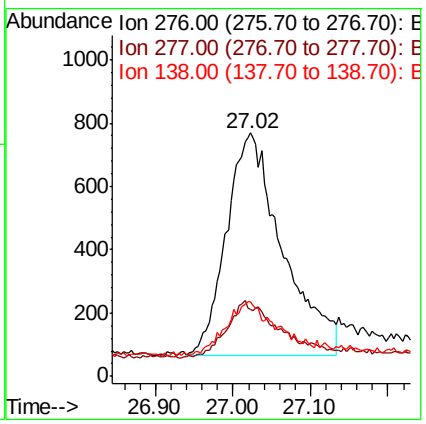




#39
Benzo(g,h,i)perylene
Concen: 0.080 ng
RT: 27.02 min Scan# 3080
Delta R.T. -0.00 min
Lab File: BE101039.D
Acq: 13 Jan 2020 15:22

Tgt Ion:276 Resp: 3538

Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.4	29.2
138	30.8	17.9	26.9#



Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT3-2019

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