Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010920\
Data File : BE101015.D
Acq On : 9 Jan 2020 16:53
Operator : JU
Sample : K5111-07
Misc : LOD-MDL-W-0.1NG
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Manual Integrations APPROVED
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Quant Time: Jan 09 18:04:10 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 09 16:04:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3034	0.40	ng		0.00
7) Naphthalene-d8	10.51	136	13245	0.40	ng		0.01
13) Acenaphthene-d10	14.36	164	8296	0.40	ng		0.00
19) Phenanthrene-d10	17.09	188	18585	0.40	ng		0.00
27) Chrysene-d12	21.28	240	14105	0.40	ng		0.00
34) Perylene-d12	23.70	264	16666	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.34	112	2338	0.34	ng		0.00
5) Phenol-d6	6.92	99	2486	0.29	ng		0.00
8) Nitrobenzene-d5	8.89	82	2768	0.29	ng		0.01
11) 2-Methylnaphthalene-d10	12.11	152	8198	0.32	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	540	0.23	ng		0.00
15) 2-Fluorobiphenyl	13.00	172	12239	0.39	ng		0.00
25) Fluoranthene-d10	19.13	212	75779	0.29	ng		0.00
29) Terphenyl-d14	19.73	244	14902	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	1189	0.154	ng	#	69
3) n-Nitrosodimethylamine	3.62	42	219	0.052	ng	#	86
6) bis(2-Chloroethyl)ether	7.17	93	651	0.063	ng		82
9) Naphthalene	10.55	128	13533	0.092	ng	#	97
10) Hexachlorobutadiene	10.85	225	559	0.090	ng		96
12) 2-Methylnaphthalene	12.18	142	1884	0.085	ng		95
16) Acenaphthylene	14.08	152	2518	0.075	ng		97
17) Acenaphthene	14.43	154	1869	0.077	ng		98
18) Fluorene	15.41	166	2371	0.078	ng		98
20) 4-Bromophenyl-phenylether	16.30	248	690	0.076	ng	#	91
21) Hexachlorobenzene	16.41	284	876	0.088	ng		97
22) Pentachlorophenol	16.76	266	352	0.143	ng		97
23) Phenanthrene	17.15	178	3887	0.077	ng		99
24) Anthracene	17.24	178	3910	0.082	ng		97
26) Fluoranthene	19.16	202	4906	0.077	ng		99
28) Pyrene	19.52	202	4889	0.093	ng		99
30) Benzo(a)anthracene	21.26	228	2526	0.063	ng		94
31) Chrysene	21.32	228	5984	0.100	ng		95
32) Bis(2-ethylhexyl)phthalate	21.20	149	5551	0.083	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.24	276	3312	0.070	ng	#	92
35) Benzo(b)fluoranthene	22.96	252	3096	0.066	ng	#	86
36) Benzo(k)fluoranthene	23.00	252	5494m	0.081	ng		
37) Benzo(a)pyrene	23.59	252	2905	0.064	ng	#	78
38) Dibenzo(a,h)anthracene	26.28	278	2684m	0.065	ng		
39) Benzo(g,h,i)perylene	27.02	276	3746	0.073	ng	#	88

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010920\
Data File : BE101015.D
Acq On : 9 Jan 2020 16:53
Operator : JU
Sample : K5111-07
Misc : LOD-MDL-W-0.1NG
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 09 18:04:10 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 09 16:04:28 2020
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

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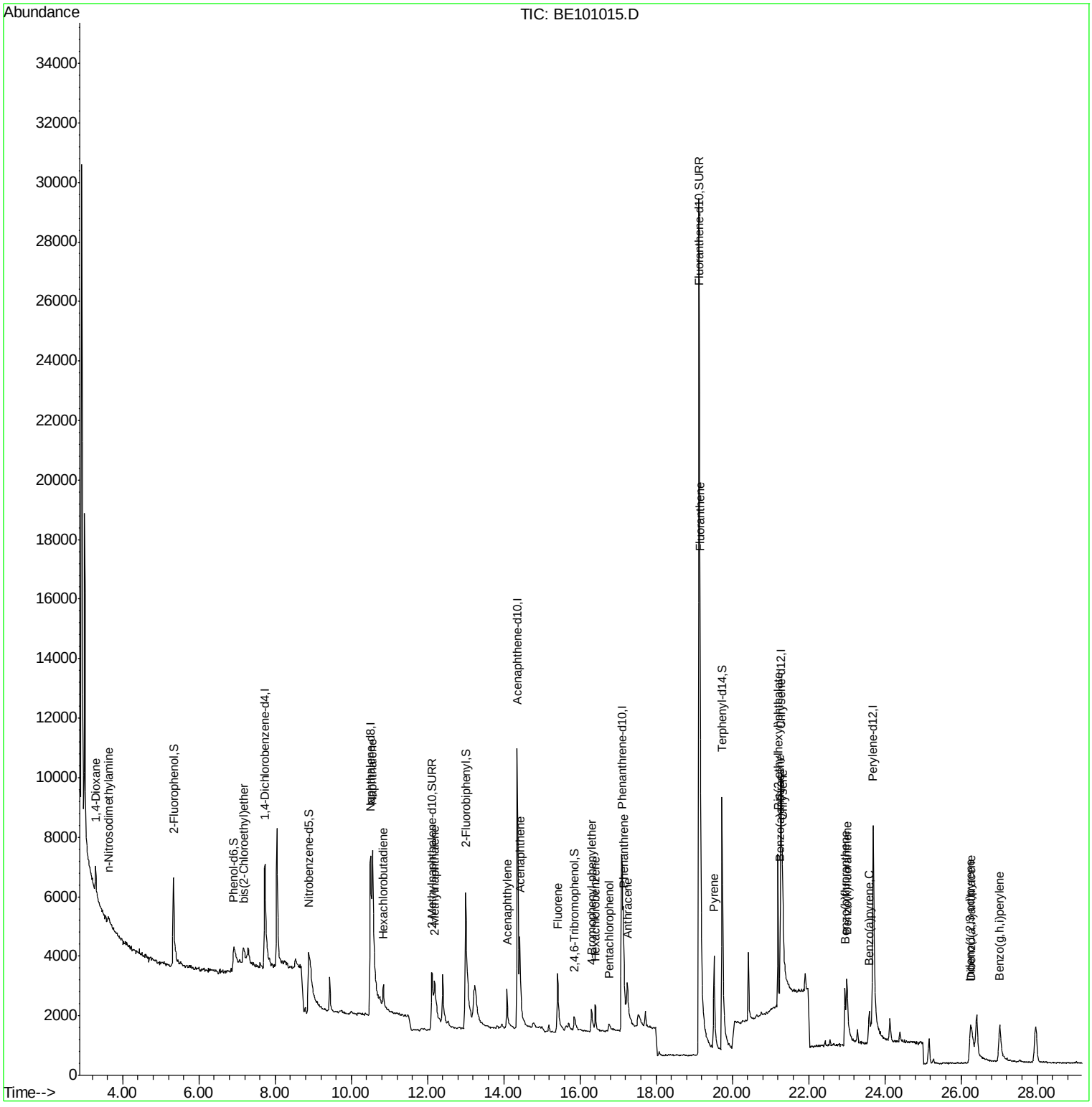
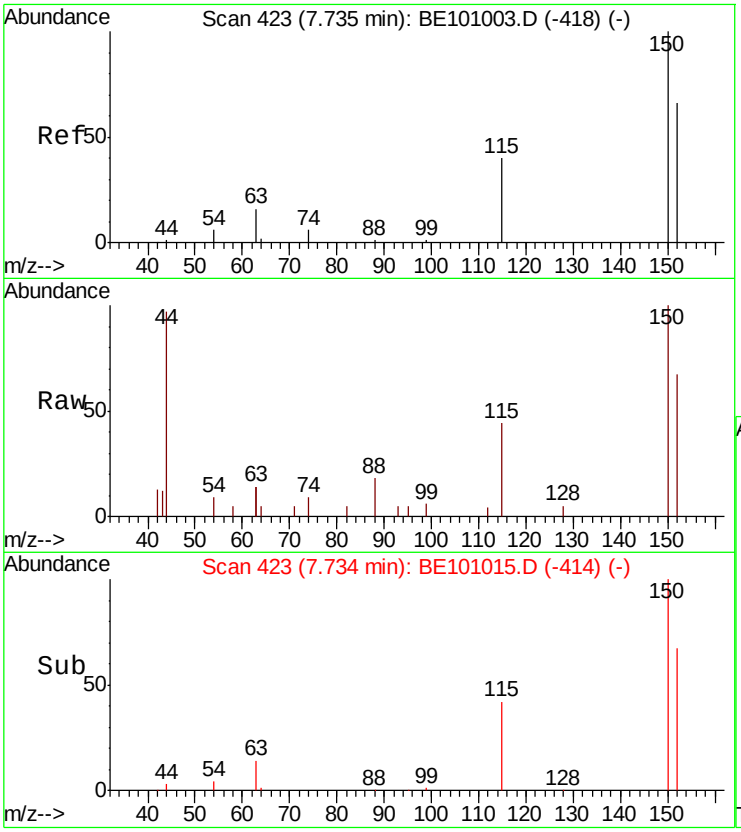
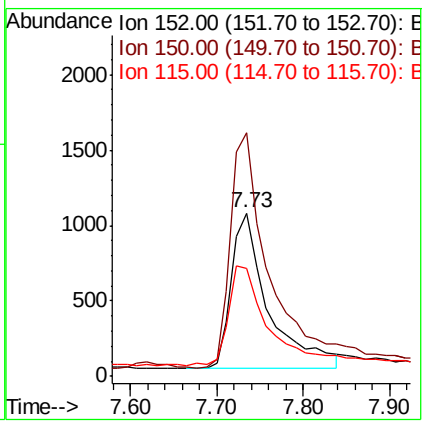




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 423
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:152 Resp: 3034

Ion	Ratio	Lower	Upper
152	100		
150	149.2	120.3	180.5
115	66.2	51.7	77.5



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

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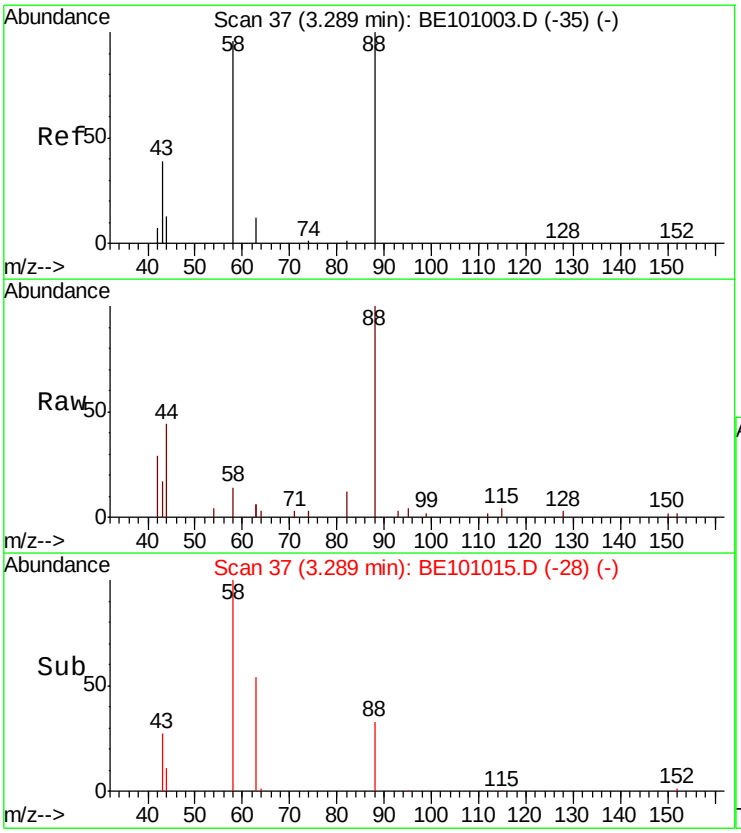
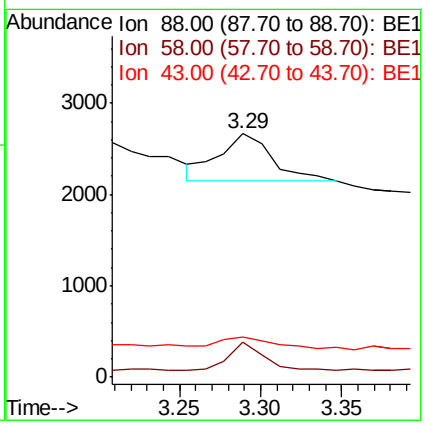
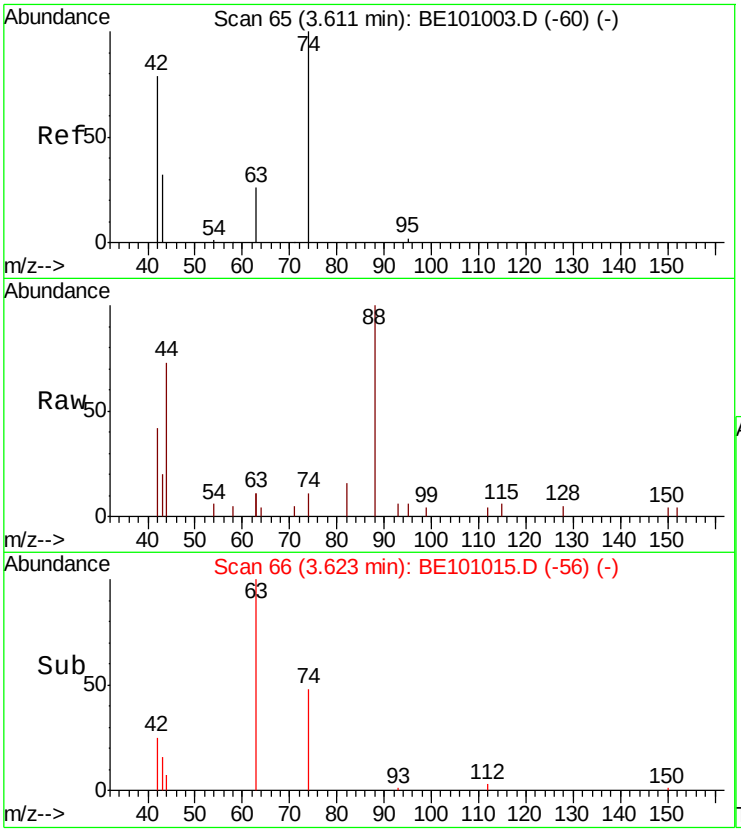


#2
1,4-Dioxane
Concen: 0.154 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion: 88 Resp: 1189

Ion	Ratio	Lower	Upper
88	100		
58	36.5	53.0	79.4#
43	20.1	23.4	35.2#

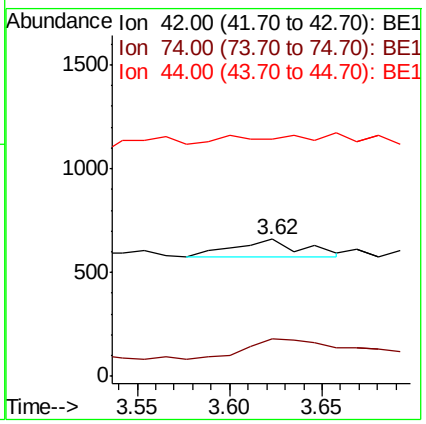




#3
n-Nitrosodimethylamine
Concen: 0.052 ng
RT: 3.62 min Scan# 66
Delta R.T. 0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion: 42 Resp: 219

Ion	Ratio	Lower	Upper
42	100		
74	146.6	105.7	158.5
44	0.0	10.0	15.0#



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

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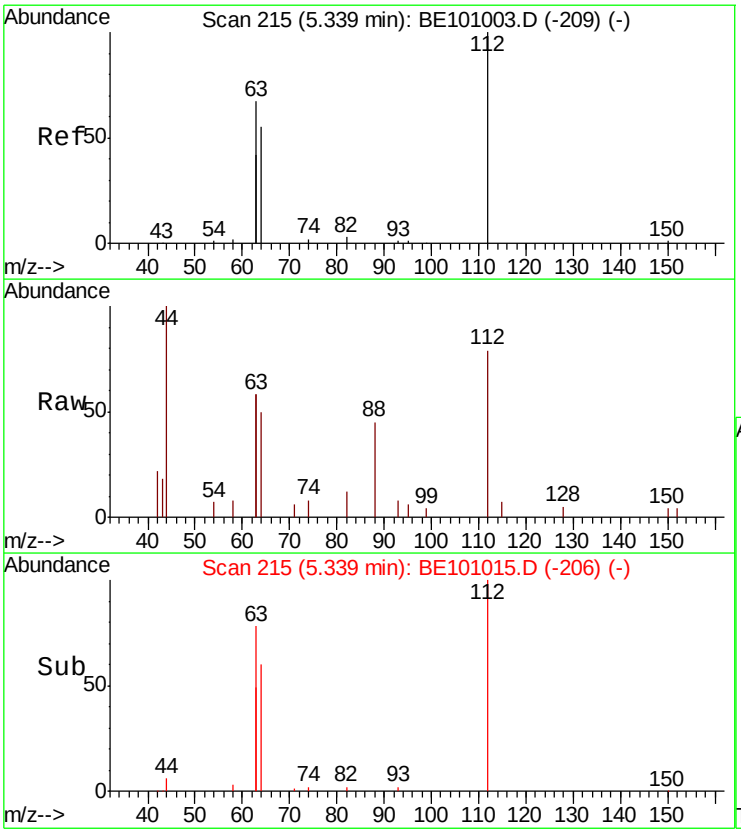
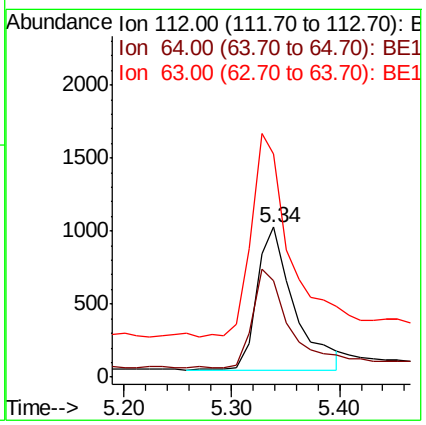
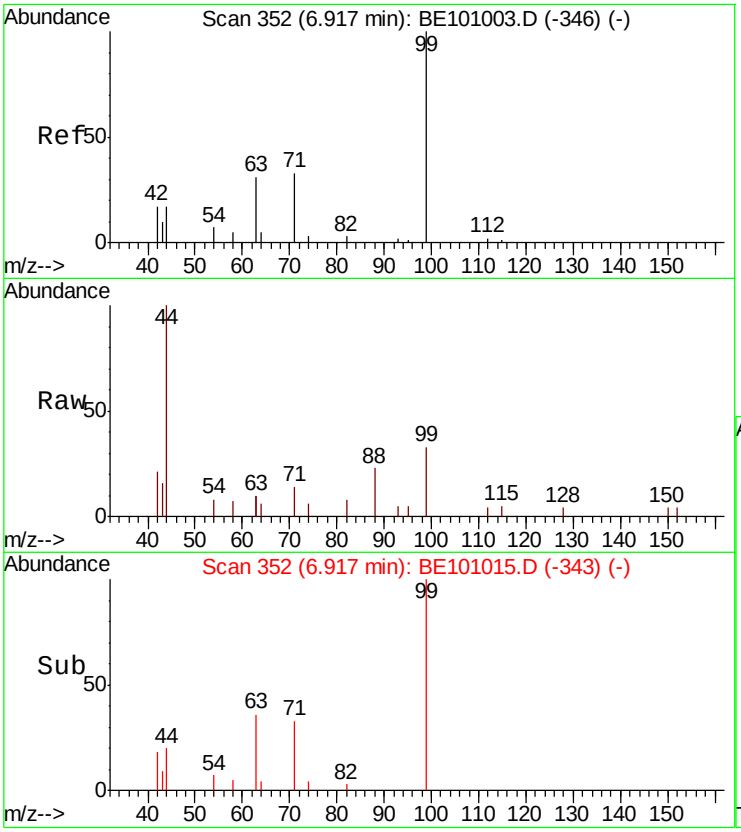


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.34 min Scan# 215
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:112 Resp: 2338

Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.6	80.4
63	149.1	114.6	172.0





#5
Phenol-d6
Concen: 0.288 ng
RT: 6.92 min Scan# 352
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion: 99 Resp: 2486

Ion	Ratio	Lower	Upper
99	100		
42	17.4	18.3	27.5#
71	33.1	28.0	42.0

Instrument :
BNA_E
ClientSampleId :
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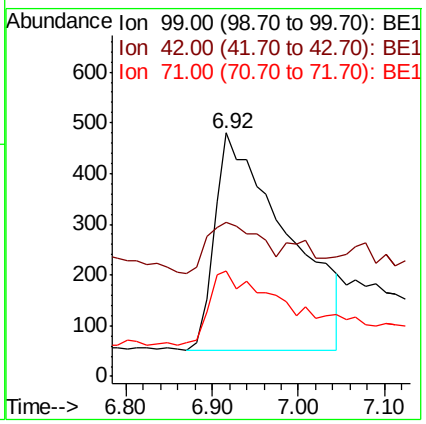
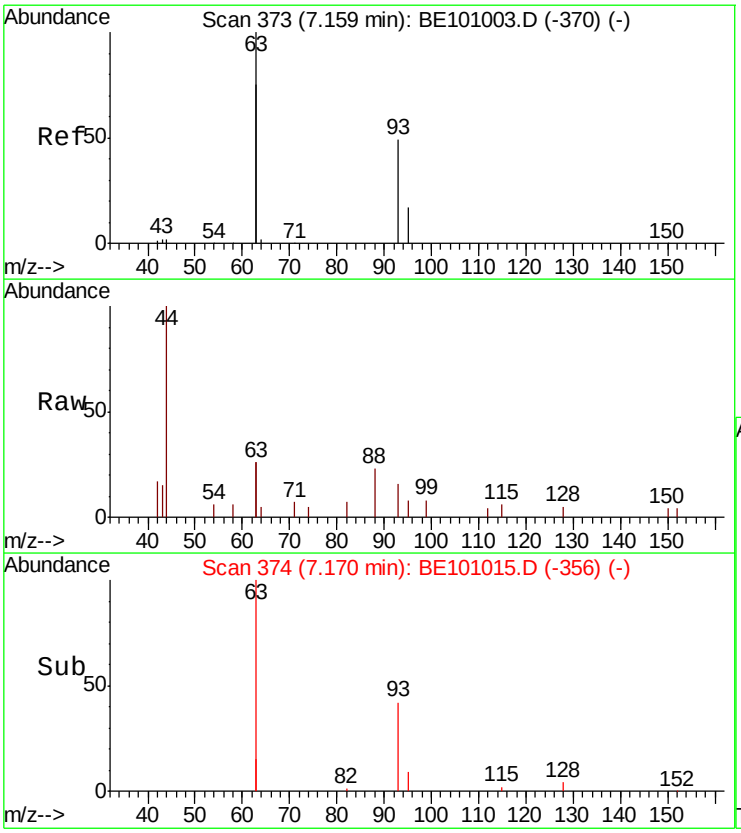
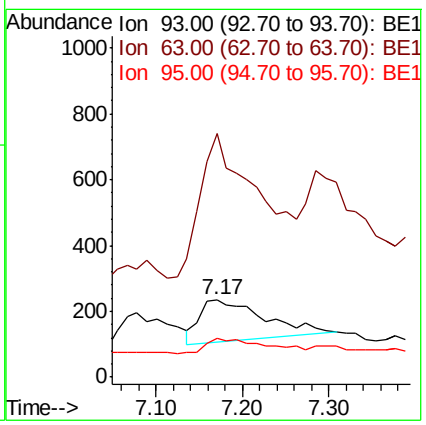


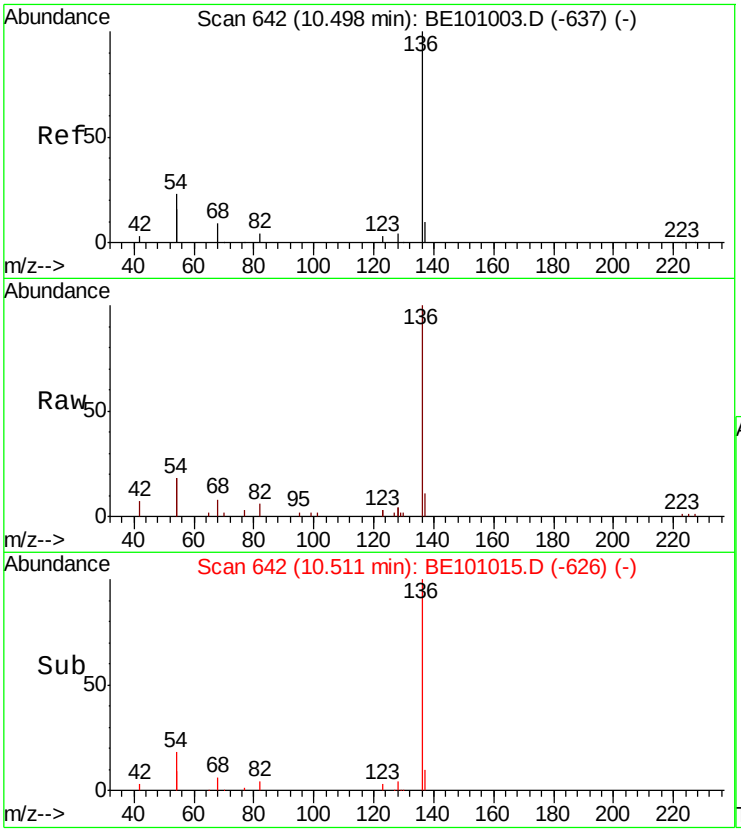


#6
bis(2-Chloroethyl)ether
Concen: 0.063 ng
RT: 7.17 min Scan# 374
Delta R.T. 0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion: 93 Resp: 651

Ion	Ratio	Lower	Upper
93	100		
63	330.1	233.9	350.9
95	32.4	23.5	35.3

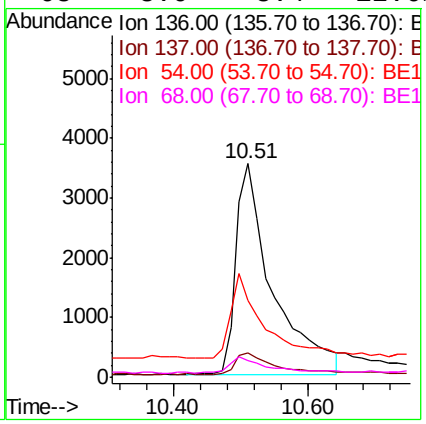




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.51 min Scan# 642
Delta R.T. 0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:136 Resp: 13245

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	35.9	36.8	55.2#
68	8.0	8.4	12.6#



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

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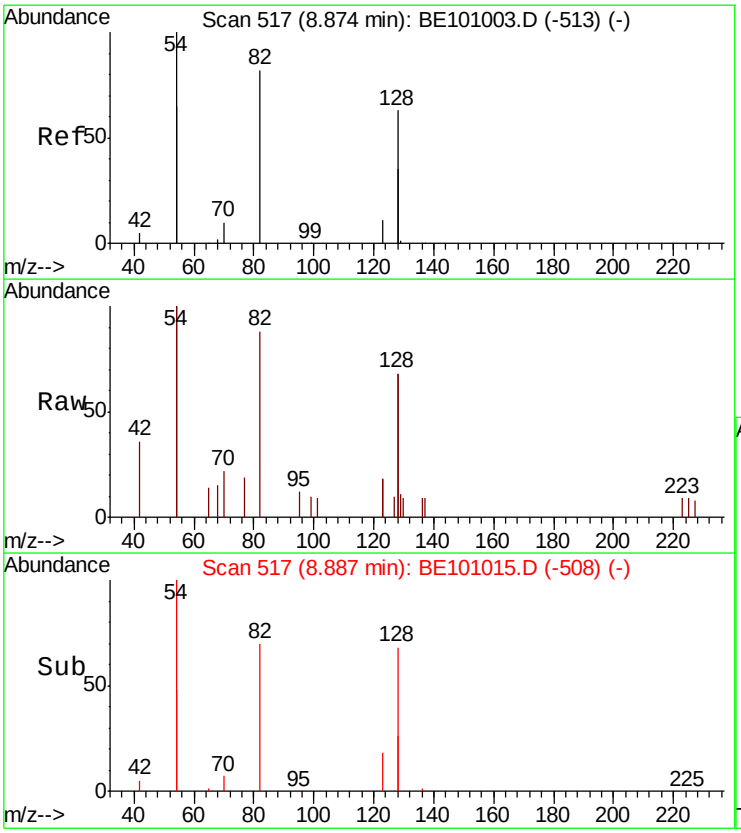
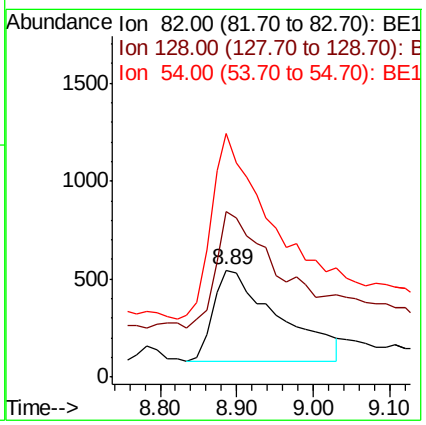
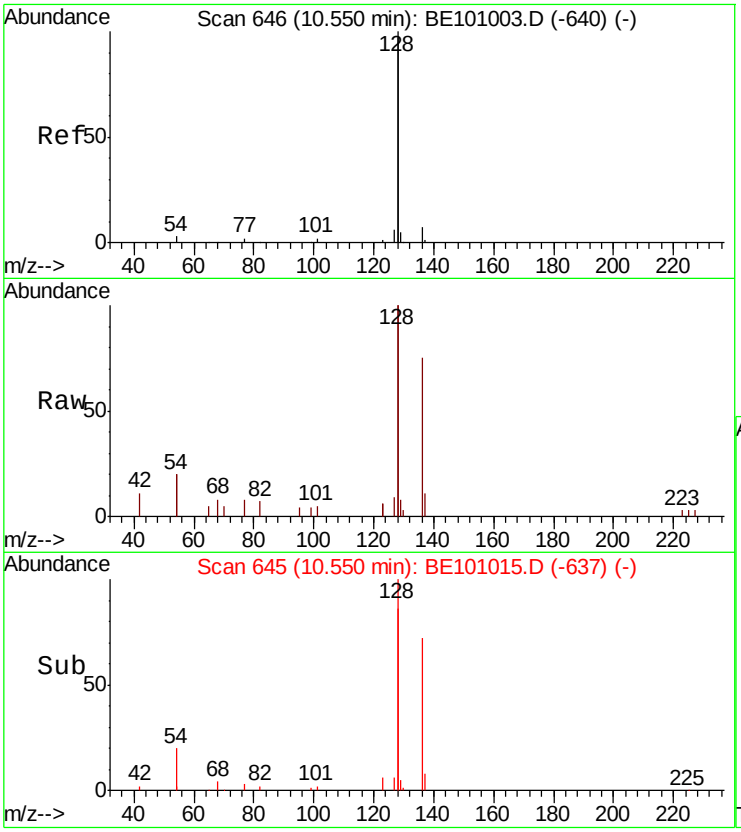


#8
Nitrobenzene-d5
Concen: 0.292 ng
RT: 8.89 min Scan# 517
Delta R.T. 0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion: 82 Resp: 2768

Ion	Ratio	Lower	Upper
82	100		
128	154.5	109.8	164.6
54	227.9	174.5	261.7





#9
Naphthalene
Concen: 0.092 ng
RT: 10.55 min Scan# 645
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:128 Resp: 13533

Ion	Ratio	Lower	Upper
128	100		
129	4.0	2.3	3.5#
127	4.4	2.7	4.1#

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

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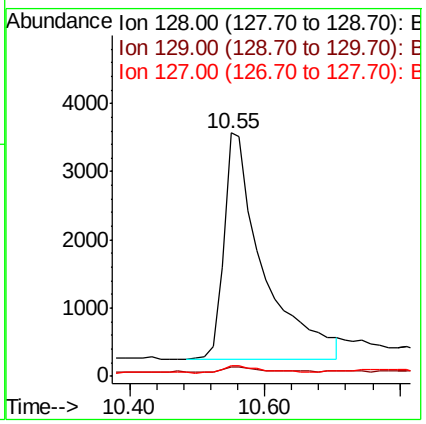
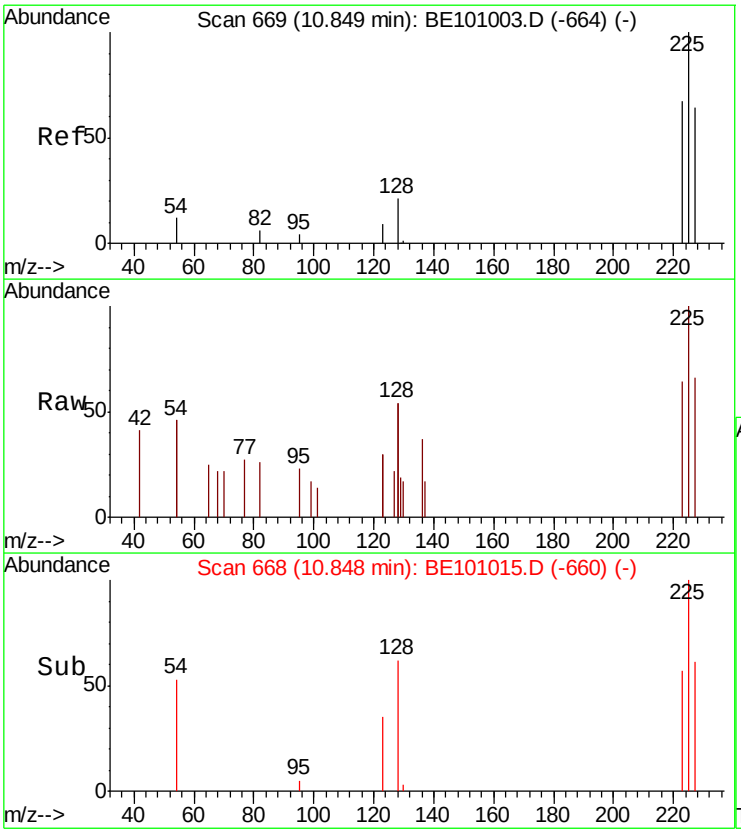
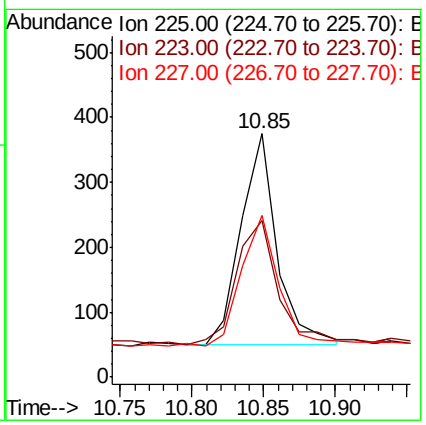


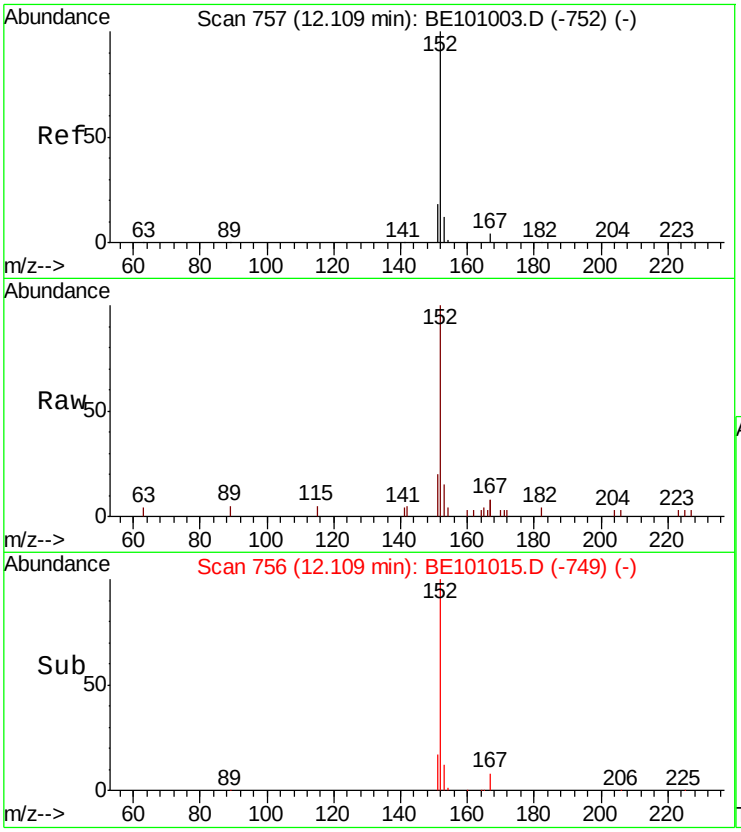


#10
Hexachlorobutadiene
Concen: 0.090 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:225 Resp: 559

Ion	Ratio	Lower	Upper
225	100		
223	68.0	52.2	78.4
227	65.8	49.9	74.9

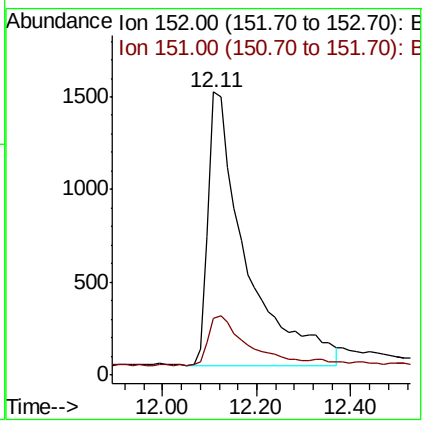




#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.11 min Scan# 756
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:152 Resp: 8198

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.0	22.6



Instrument :
BNA_E
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LOD-MDL-WATER-01-QT4-2019

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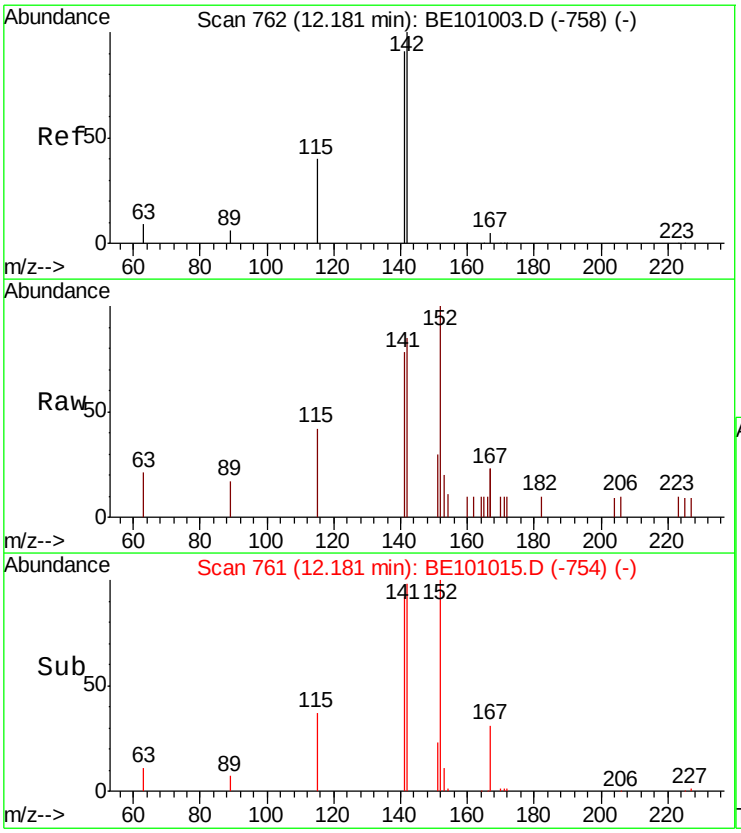
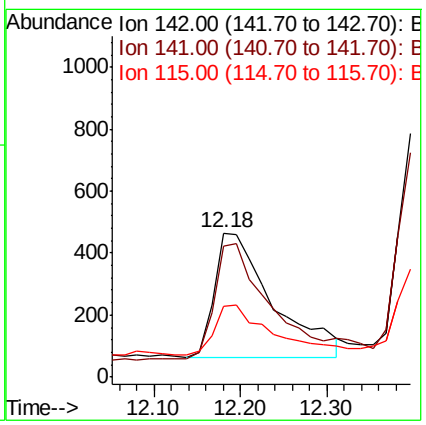
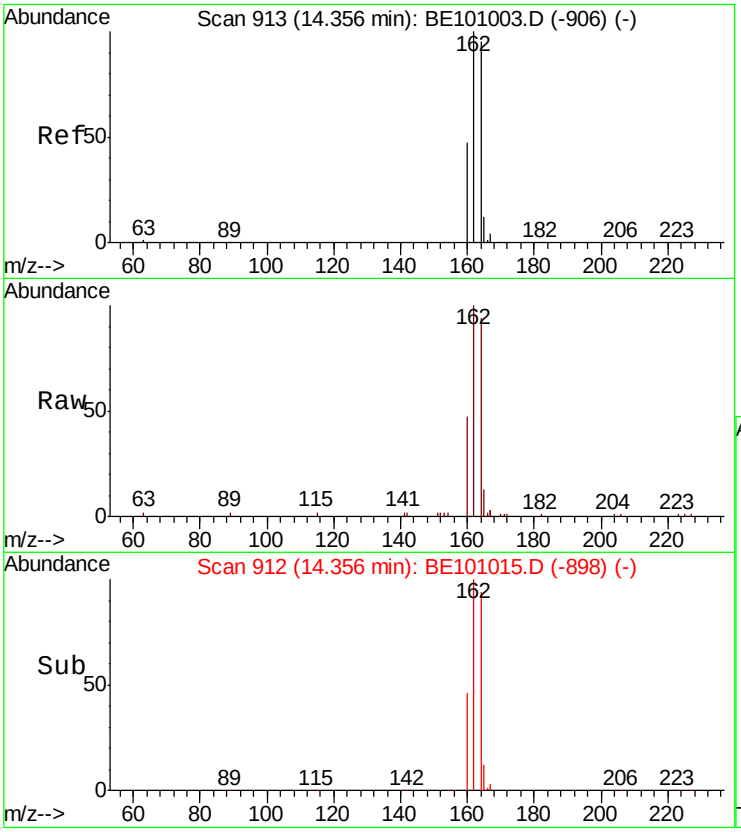


#12
2-Methylnaphthalene
Concen: 0.085 ng
RT: 12.18 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:142 Resp: 1884

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.5	108.7
115	49.4	33.0	49.6

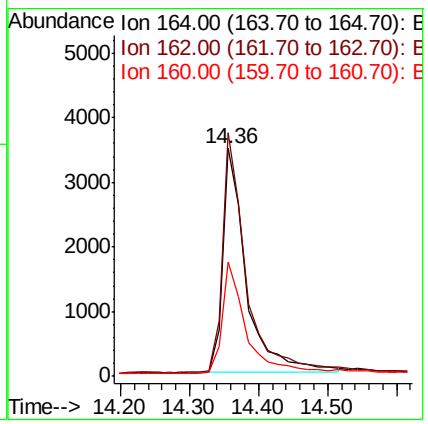




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:164 Resp: 8296

Ion	Ratio	Lower	Upper
164	100		
162	106.7	84.1	126.1
160	50.3	40.4	60.6



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Manual Integrations APPROVED
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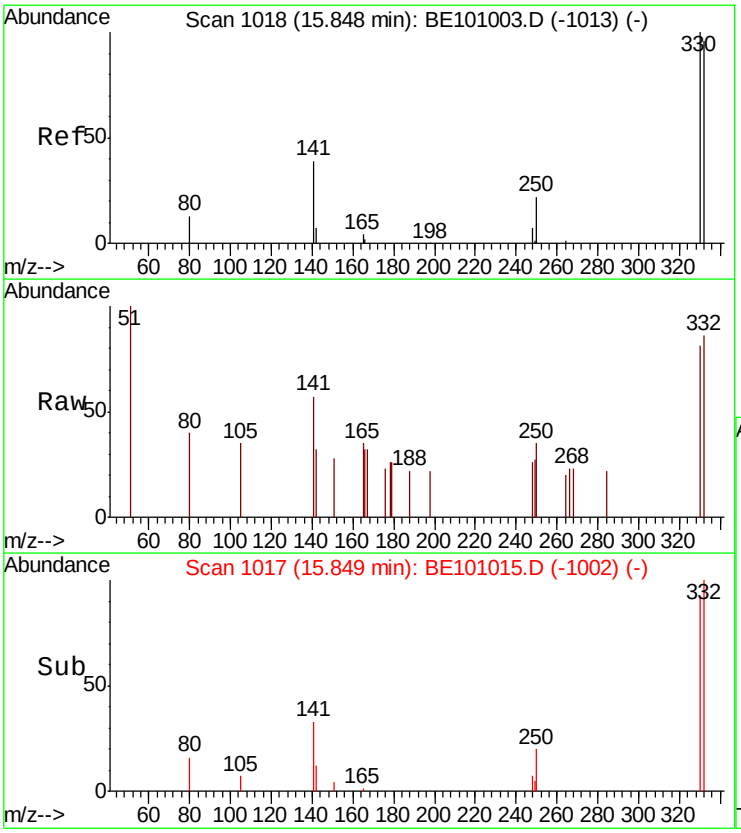
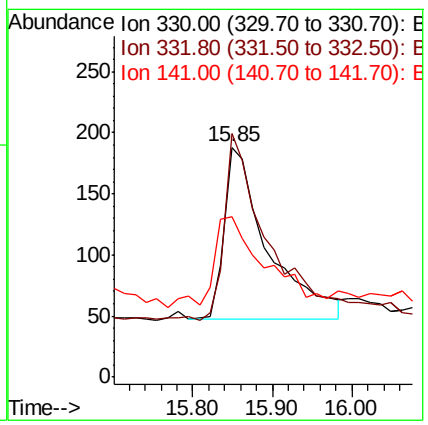
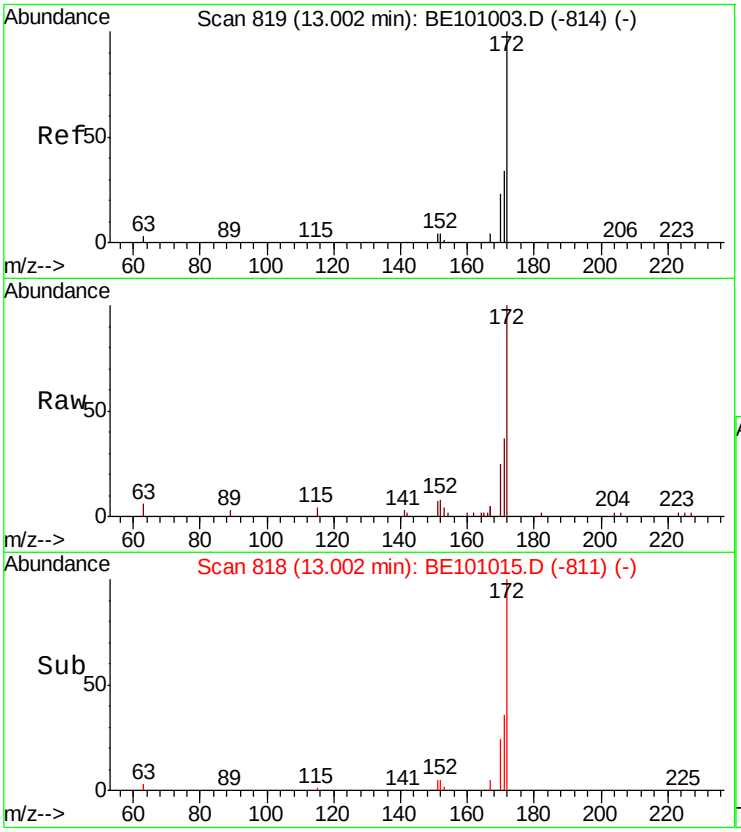


#14
2,4,6-Tribromophenol
Concen: 0.231 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:330 Resp: 540

Ion	Ratio	Lower	Upper
330	100		
332	108.0	78.4	117.6
141	63.1	37.0	55.4#

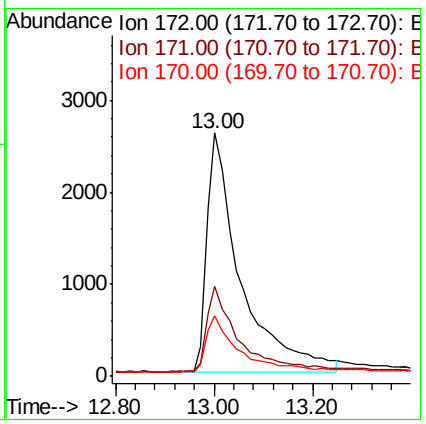




#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.00 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:172 Resp: 12239

Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.2	42.2
170	25.1	18.9	28.3



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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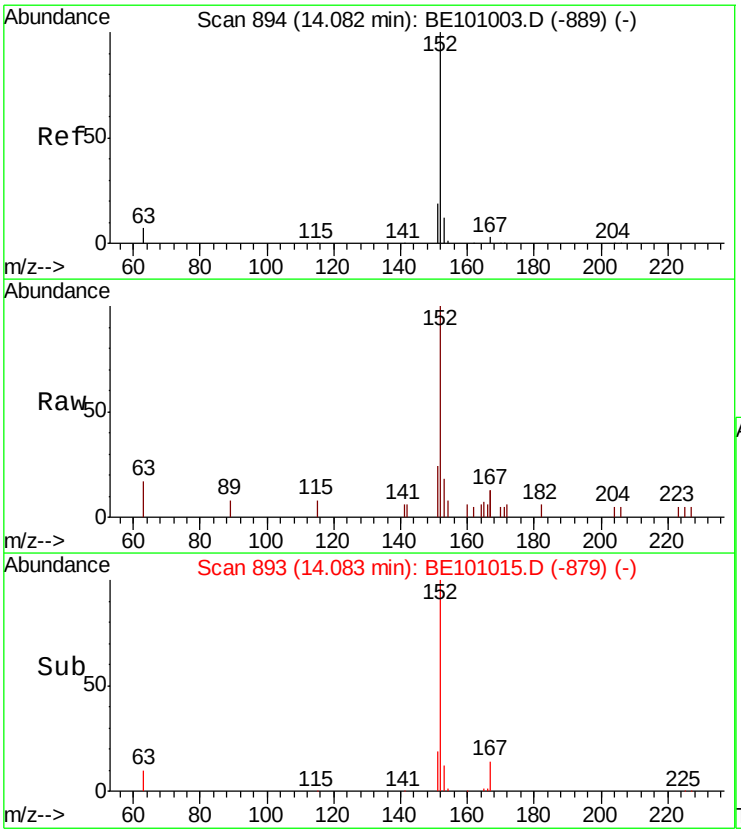
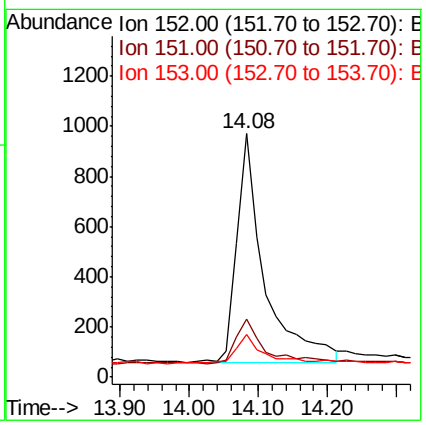
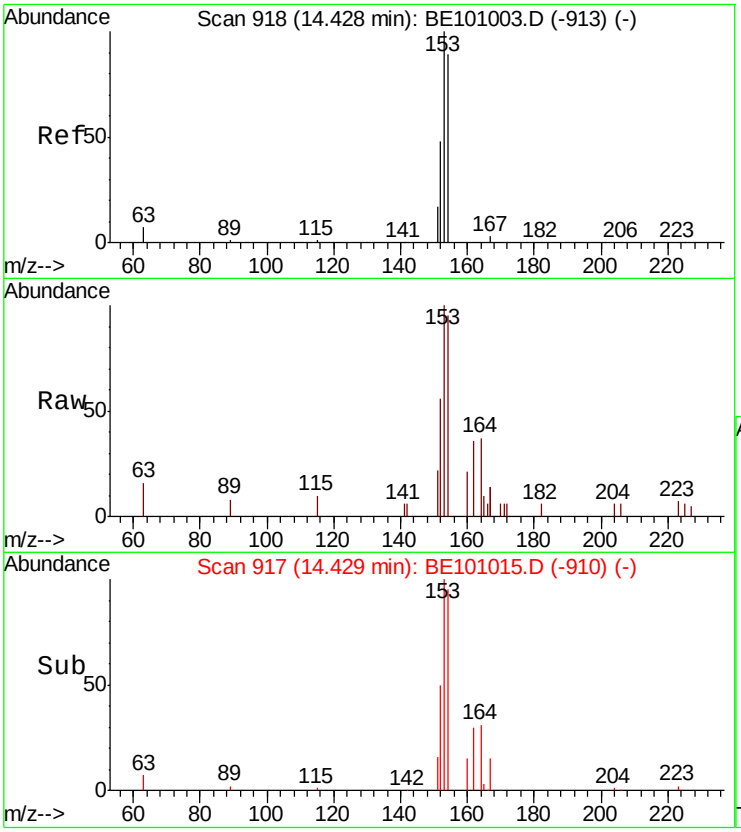


#16
Acenaphthylene
Concen: 0.075 ng
RT: 14.08 min Scan# 893
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:152 Resp: 2518

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.5	23.3
153	12.1	10.4	15.6

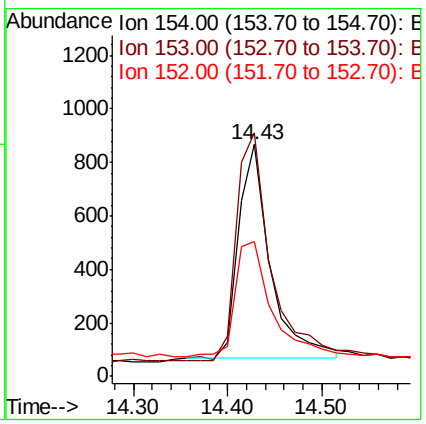




#17
Acenaphthene
Concen: 0.077 ng
RT: 14.43 min Scan# 917
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:154 Resp: 1869

Ion	Ratio	Lower	Upper
154	100		
153	117.5	93.6	140.4
152	61.5	46.3	69.5



Instrument :
BNA_E
ClientSampleId :
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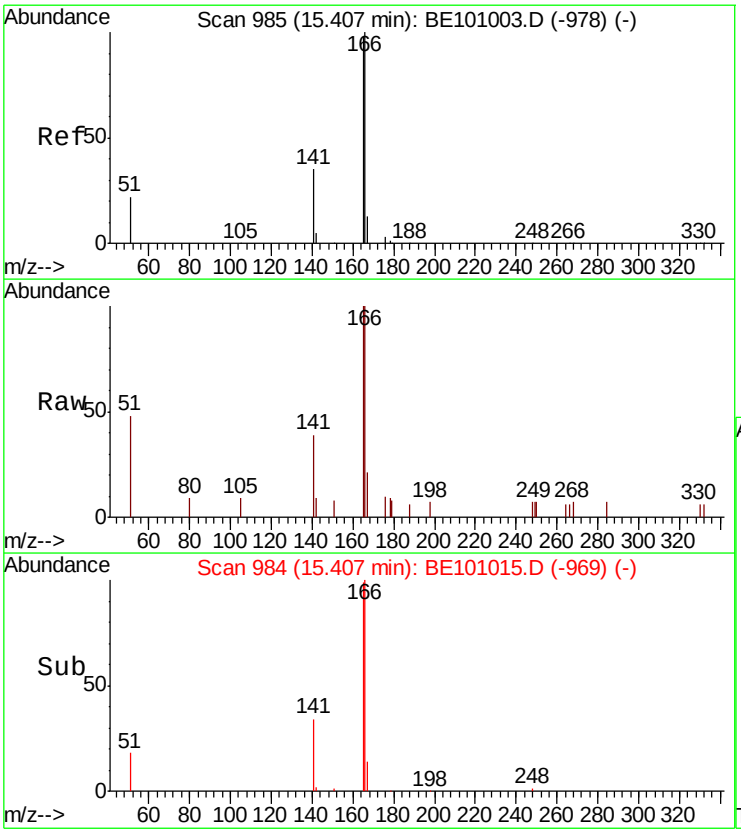
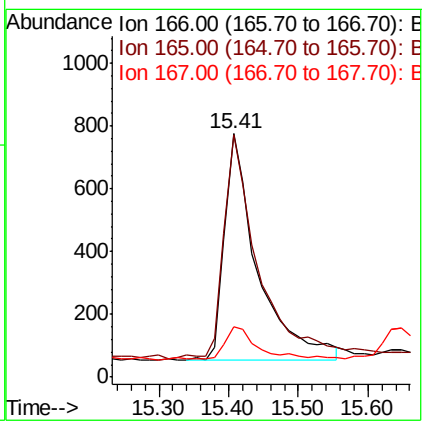
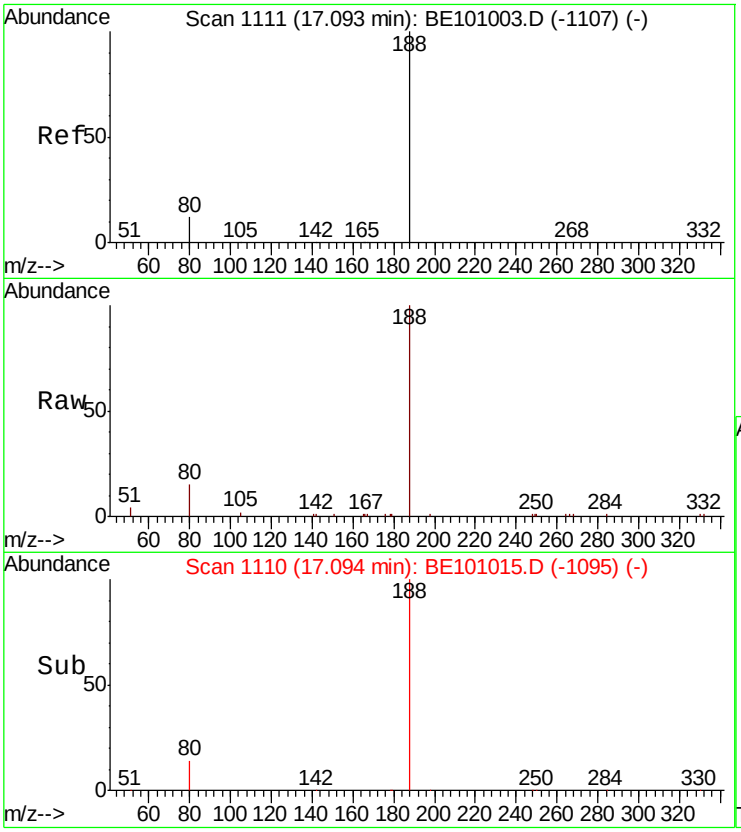


#18
Fluorene
Concen: 0.078 ng
RT: 15.41 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:166 Resp: 2371

Ion	Ratio	Lower	Upper
166	100		
165	101.9	79.8	119.8
167	14.1	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: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:188 Resp: 18585

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	15.4	10.8	16.2

Instrument :
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ClientSampleId :
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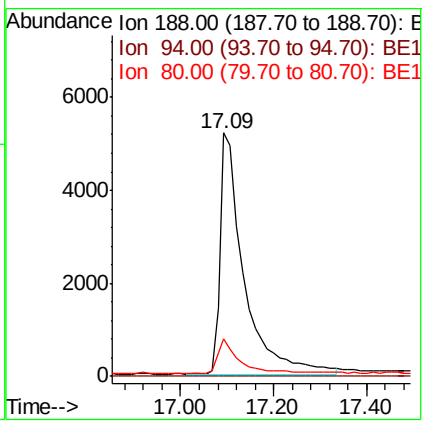
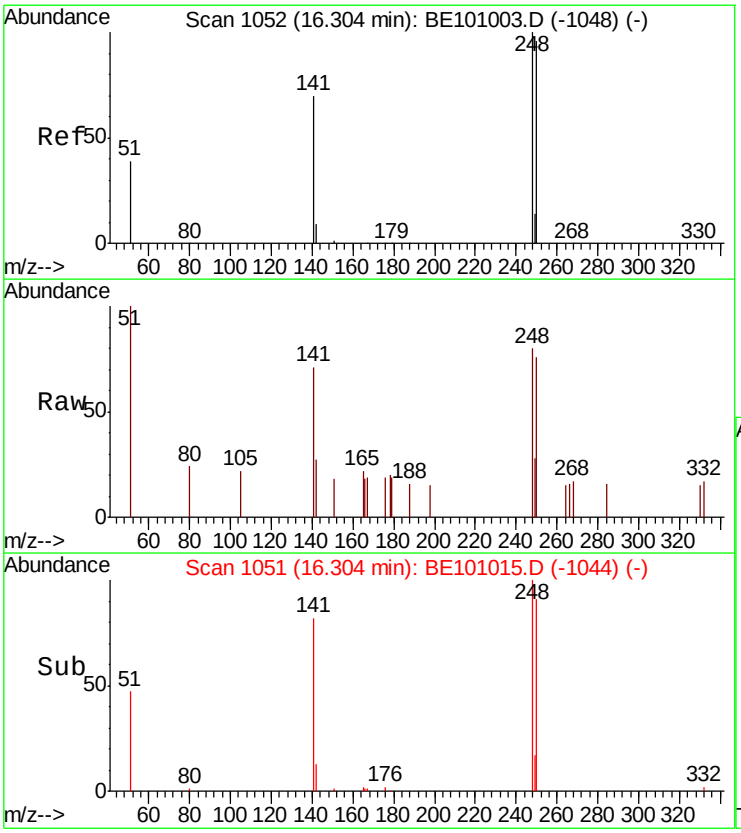
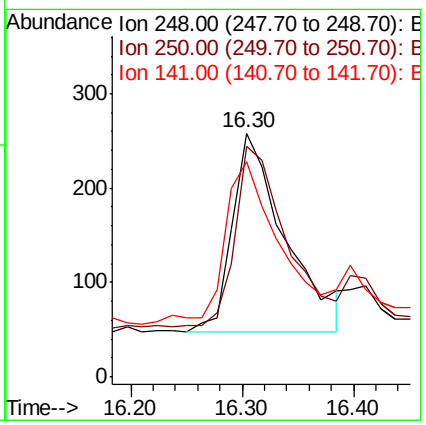


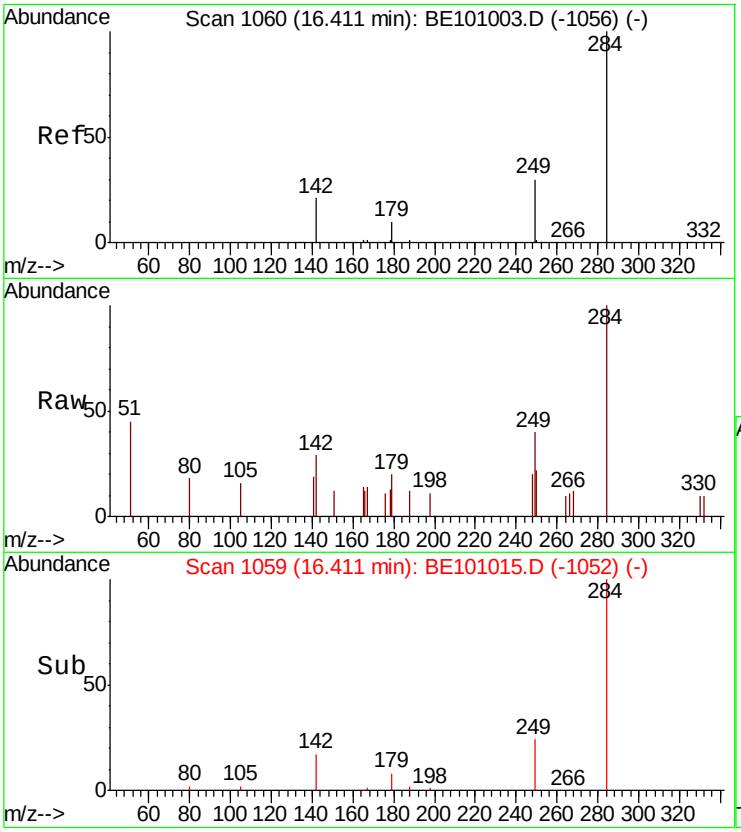


#20
4-Bromophenyl-phenylether
Concen: 0.076 ng
RT: 16.30 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:248 Resp: 690

Ion	Ratio	Lower	Upper
248	100		
250	95.0	76.6	115.0
141	88.4	57.7	86.5#

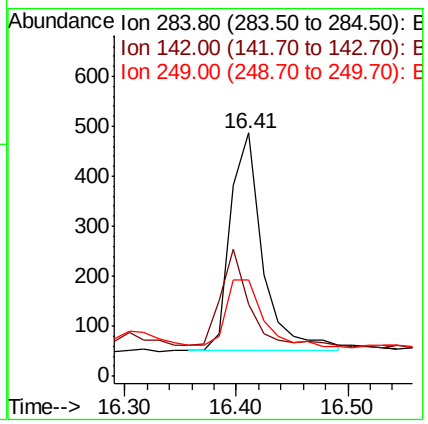




#21
Hexachlorobenzene
Concen: 0.088 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:284 Resp: 876

Ion	Ratio	Lower	Upper
284	100		
142	39.6	34.0	51.0
249	36.3	28.2	42.4



Instrument :
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ClientSampleId :
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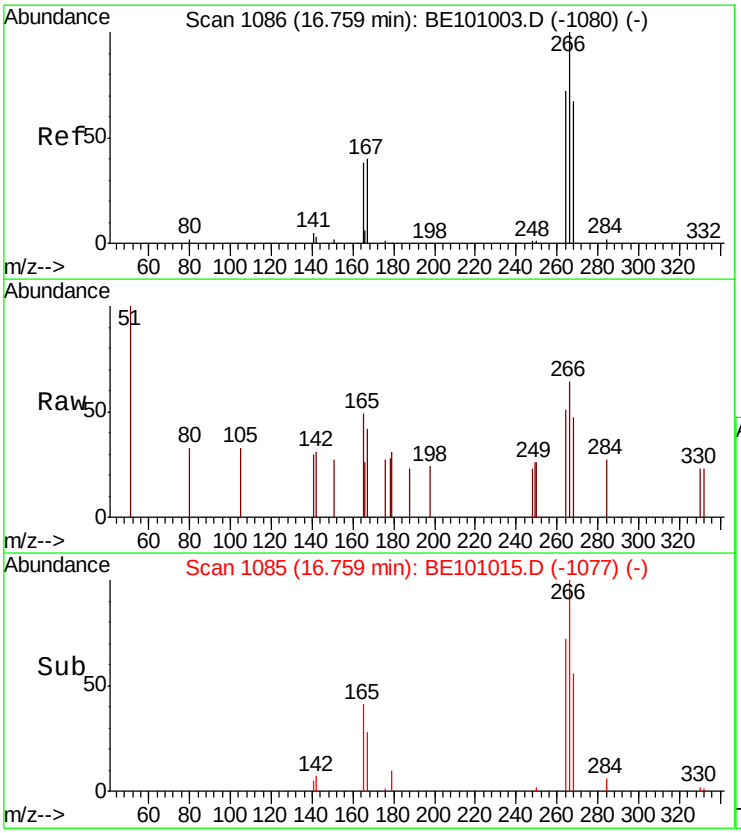
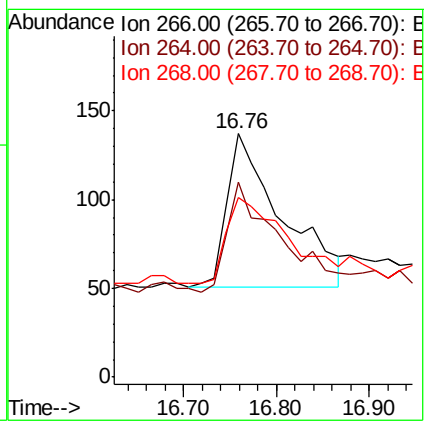
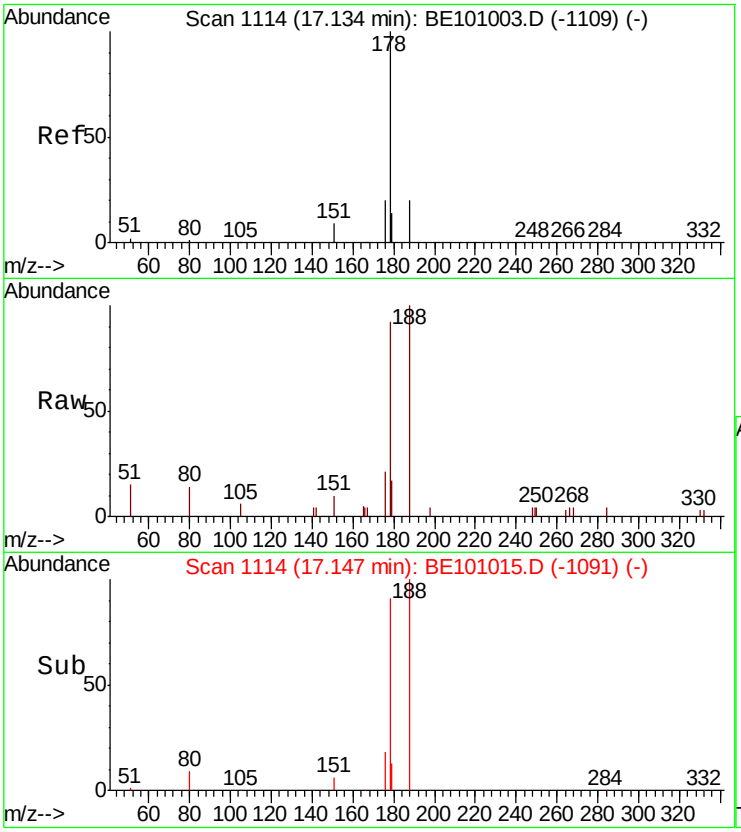


#22
Pentachlorophenol
Concen: 0.143 ng
RT: 16.76 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:266 Resp: 352

Ion	Ratio	Lower	Upper
266	100		
264	80.3	61.0	91.4
268	73.7	58.5	87.7

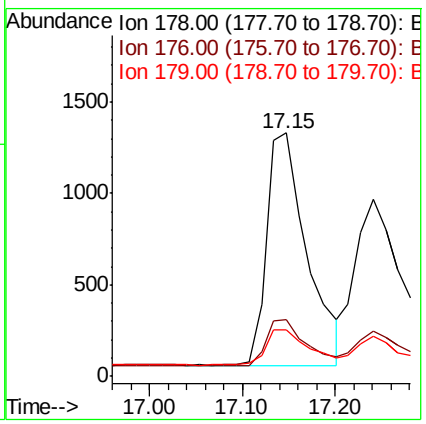




#23
Phenanthrene
Concen: 0.077 ng
RT: 17.15 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:178 Resp: 3887

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	16.0	12.0	18.0



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

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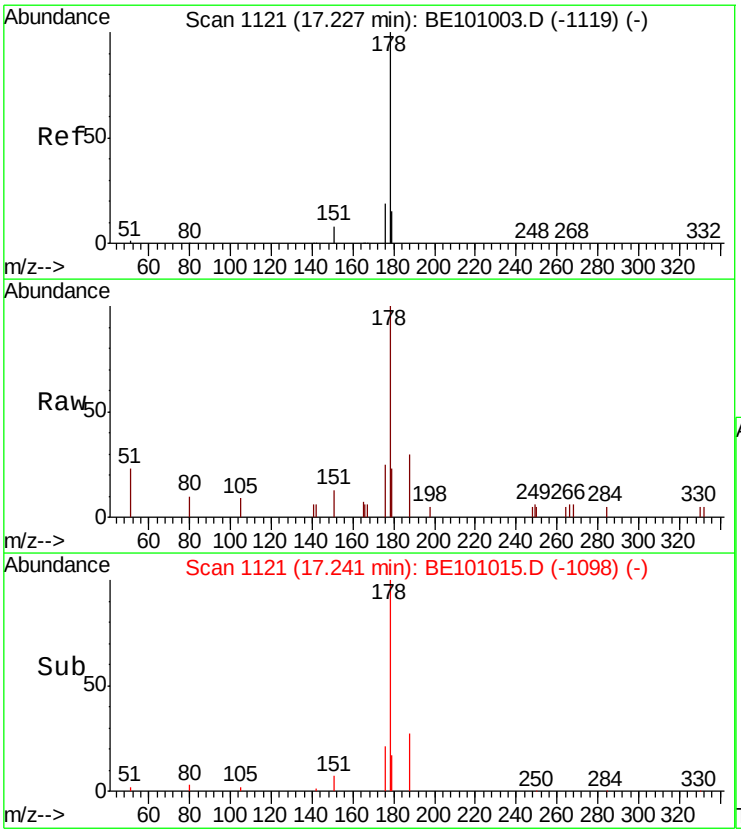
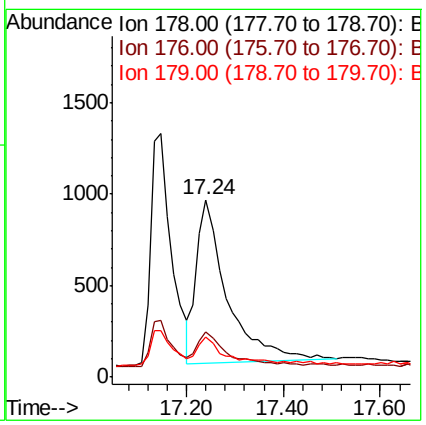
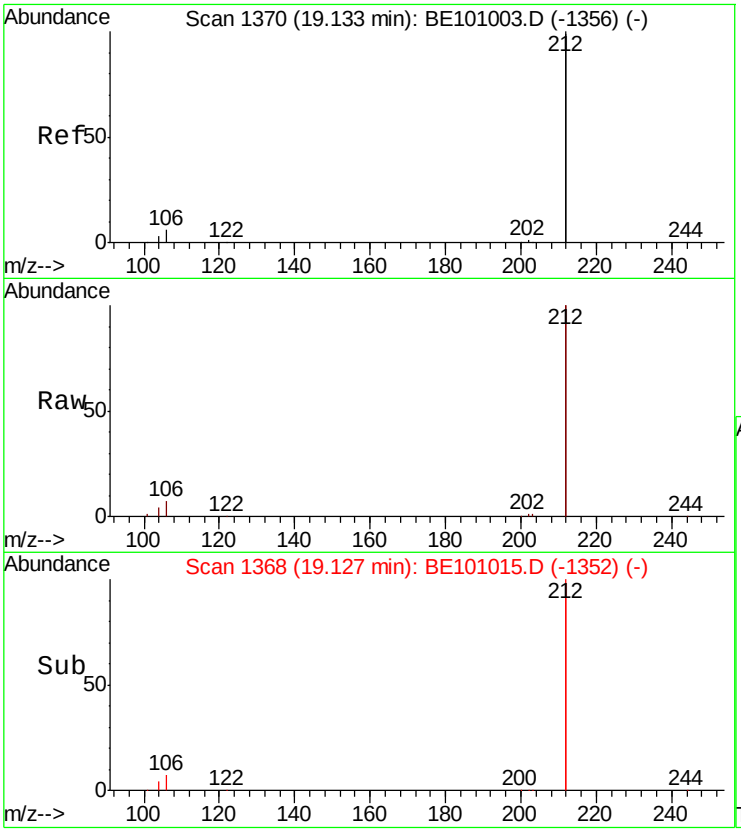


#24
Anthracene
Concen: 0.082 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:178 Resp: 3910

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.8	22.2
179	13.5	12.4	18.6

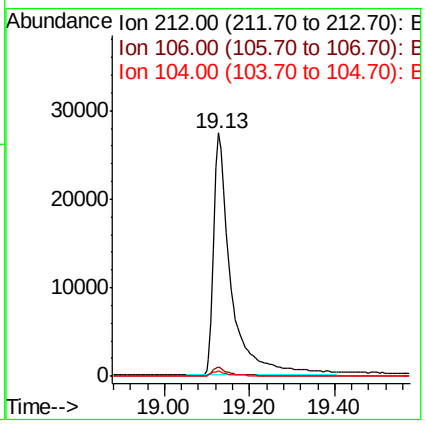




#25
Fluoranthene-d10
Concen: 0.294 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:212 Resp: 75779

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.6	3.8
104	1.7	1.4	2.0



Instrument :
BNA_E
ClientSampleId :
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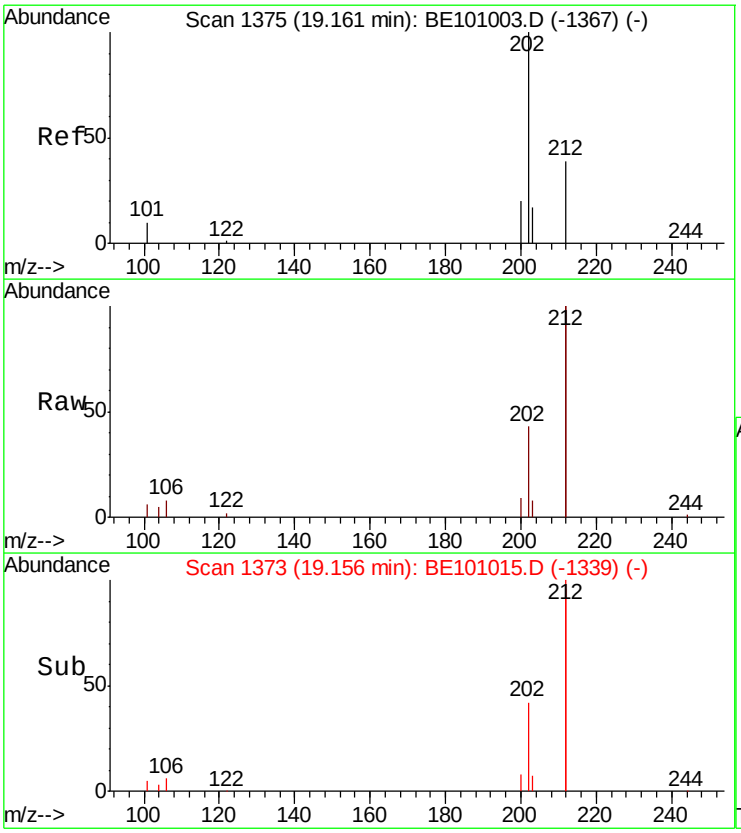
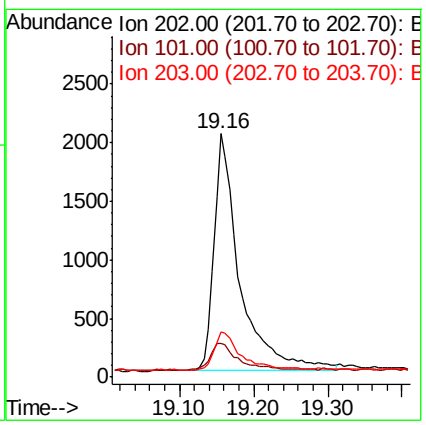
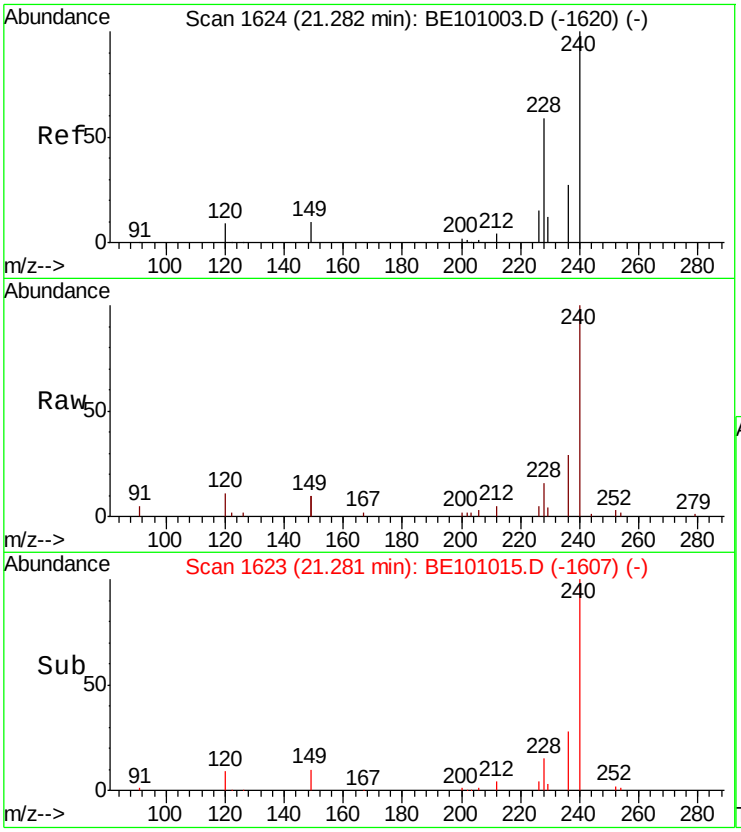


#26
Fluoranthene
Concen: 0.077 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:202 Resp: 4906

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.6	14.4
203	16.3	13.8	20.6

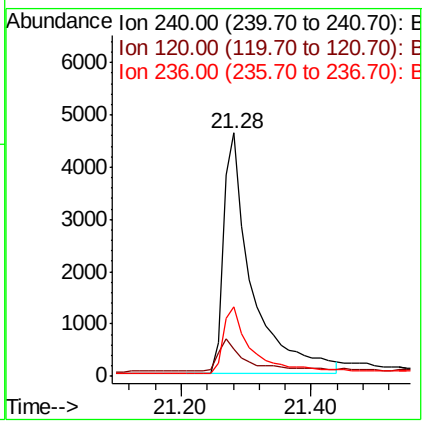




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:240 Resp: 14105

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	28.6	22.2	33.4



Instrument :
BNA_E
ClientSampleId :
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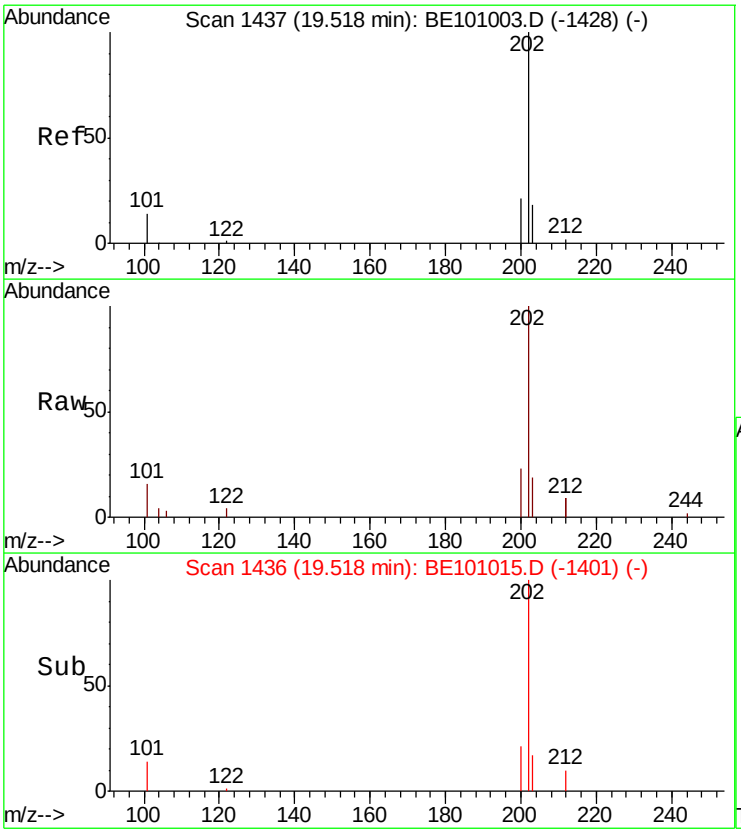
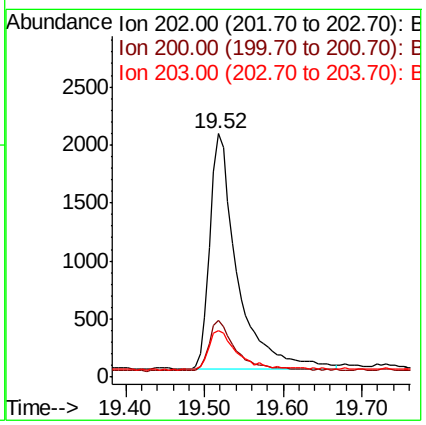
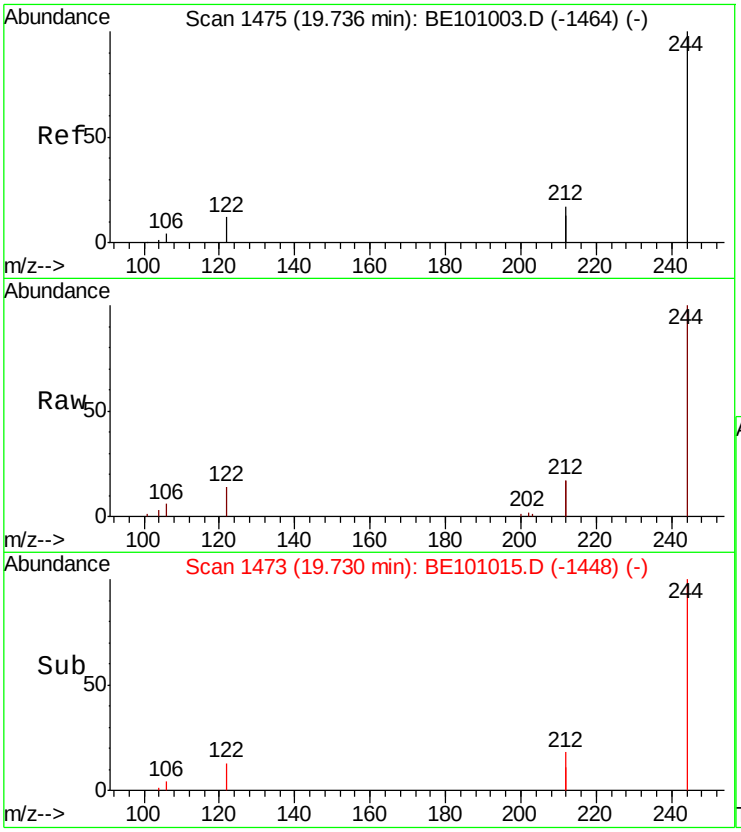


#28
Pyrene
Concen: 0.093 ng
RT: 19.52 min Scan# 1436
Delta R.T. 0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:202 Resp: 4889

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.6	13.8	20.6

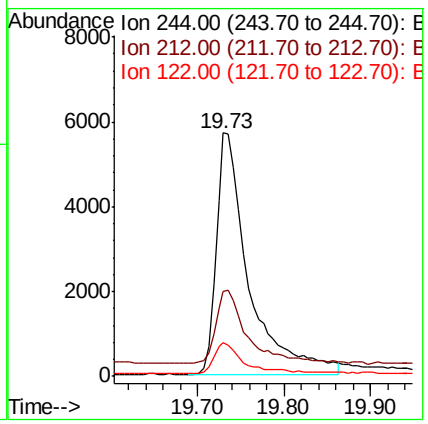




#29
Terphenyl-d14
Concen: 0.430 ng
RT: 19.73 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:244 Resp: 14902

Ion	Ratio	Lower	Upper
244	100		
212	34.8	27.2	40.8
122	14.0	9.8	14.8



Instrument :
BNA_E
ClientSampleId :
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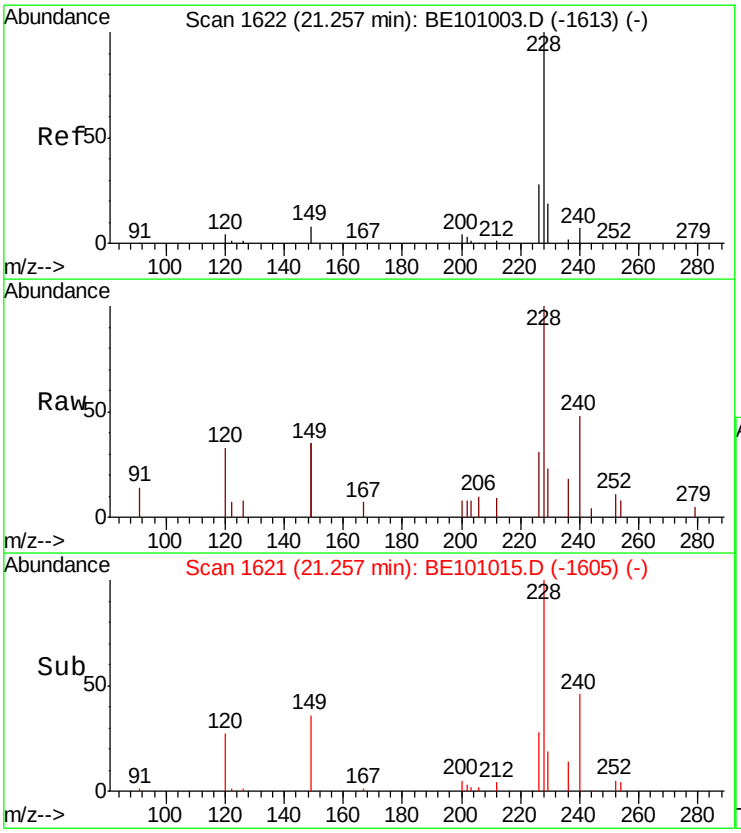
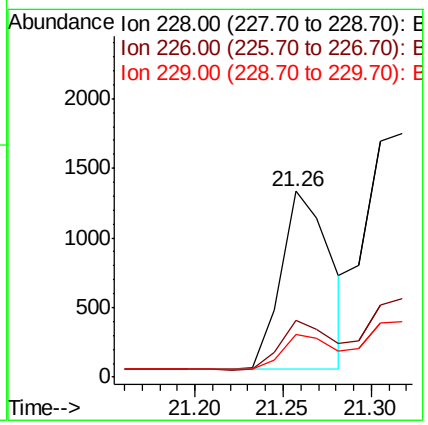
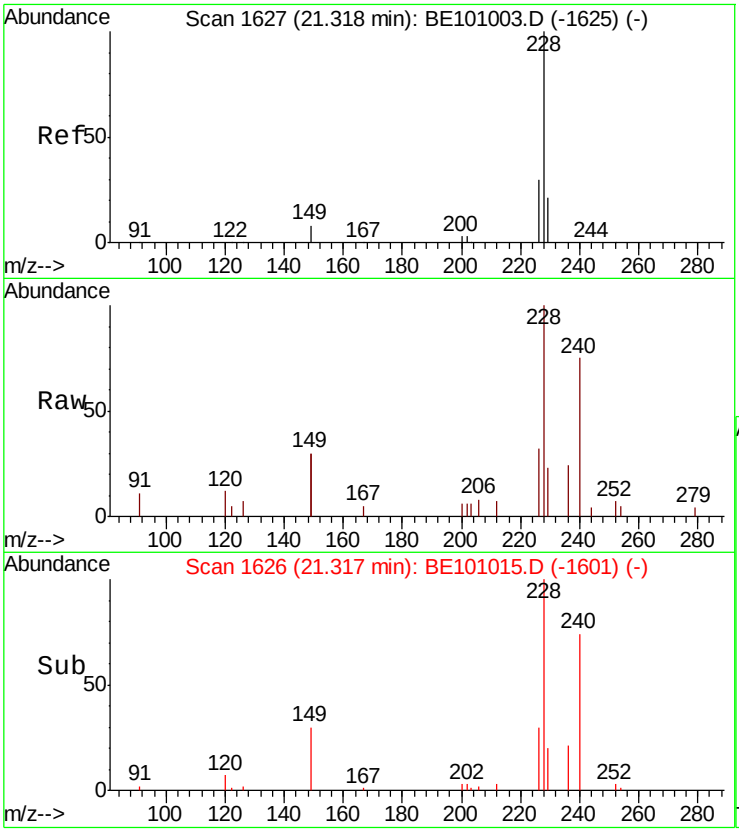


#30
Benzo(a)anthracene
Concen: 0.063 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:228 Resp: 2526

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.7	34.1
229	22.9	15.5	23.3

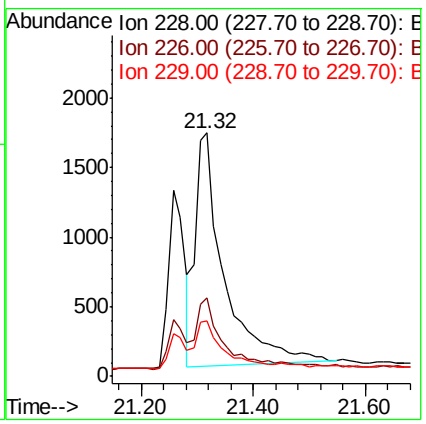




#31
Chrysene
Concen: 0.100 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:228 Resp: 5984

Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.5	35.3
229	22.6	16.7	25.1



Instrument :
BNA_E
ClientSampleId :
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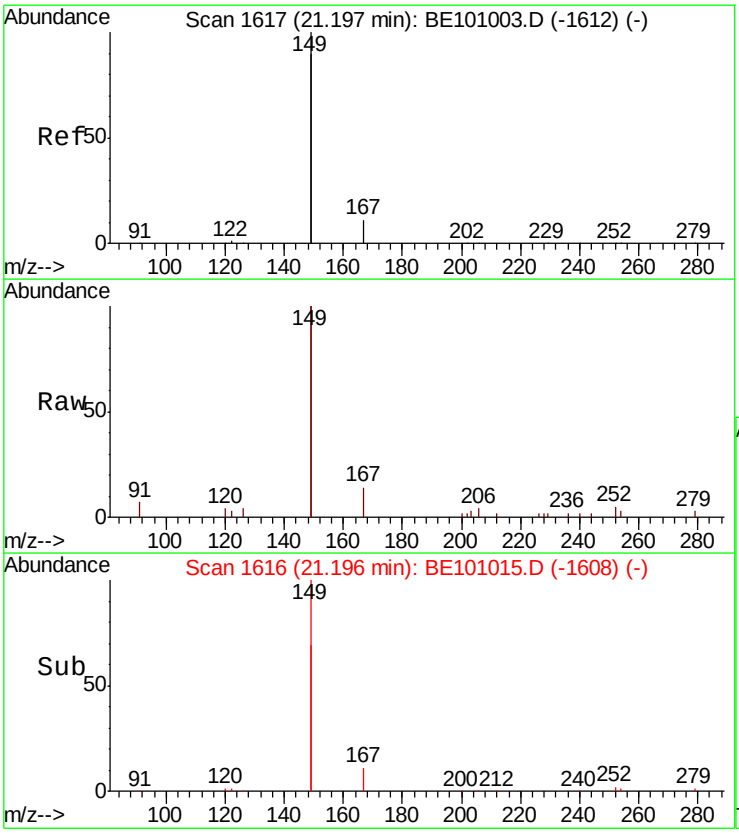
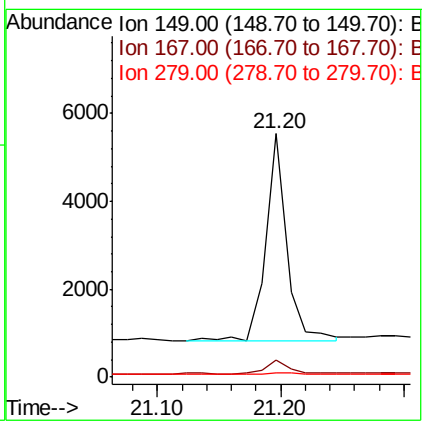
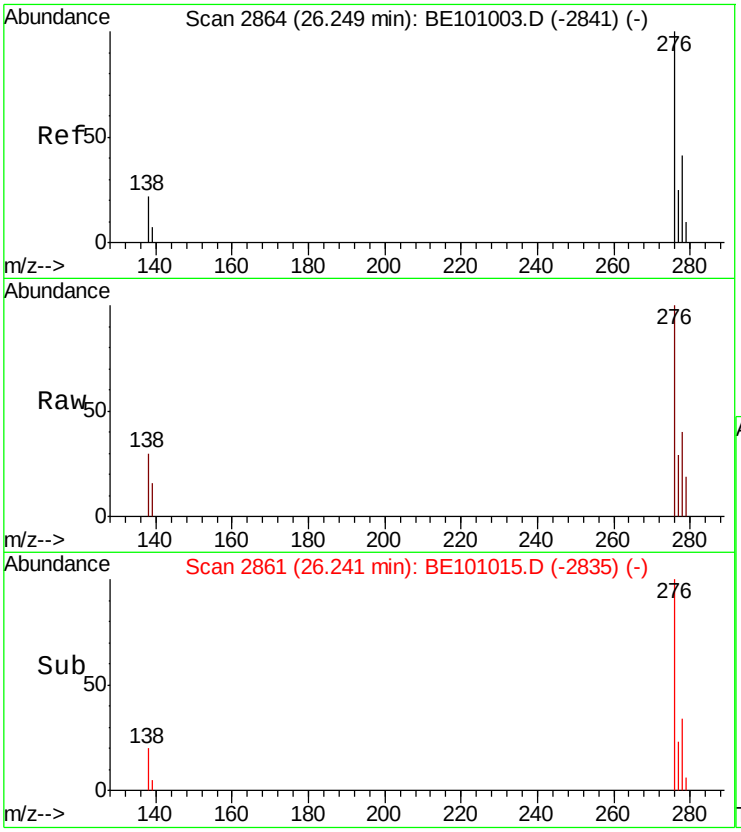


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.083 ng
RT: 21.20 min Scan# 1616
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:149 Resp: 5551

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.2	7.8
279	1.3	0.8	1.2#





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.070 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:276 Resp: 3312

Ion	Ratio	Lower	Upper
276	100		
138	14.5	16.1	24.1#
277	20.8	18.1	27.1

Instrument :
BNA_E
ClientSampleId :
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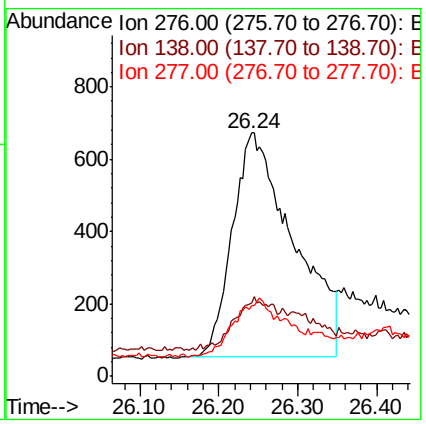
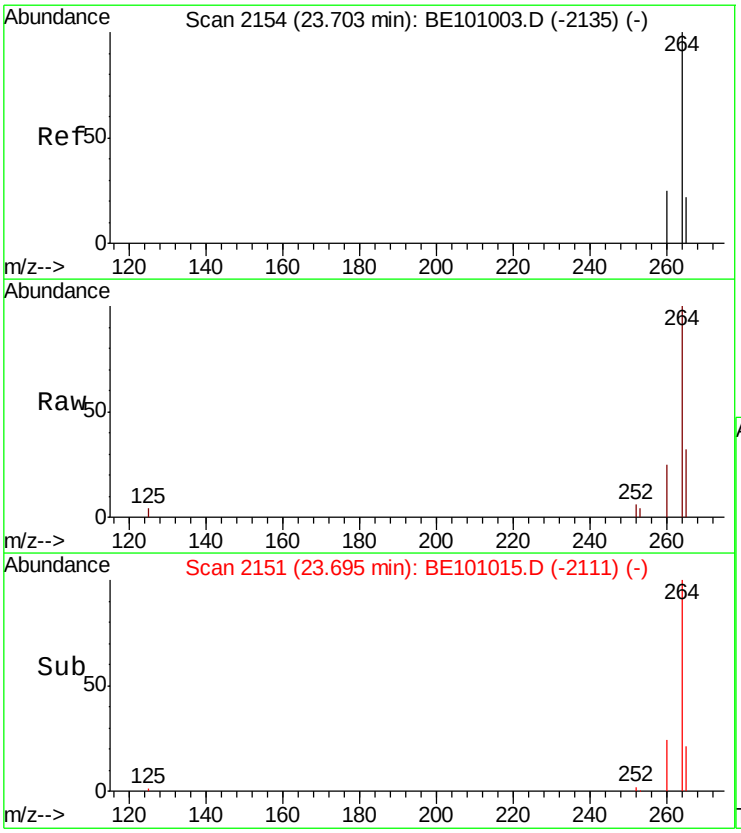
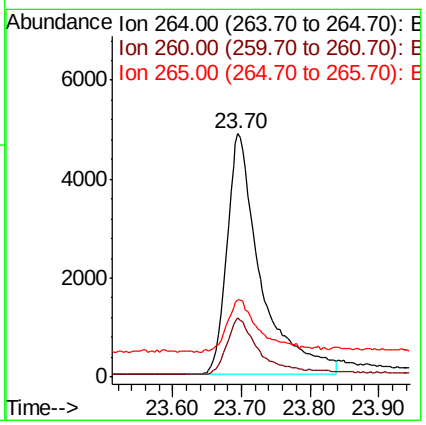


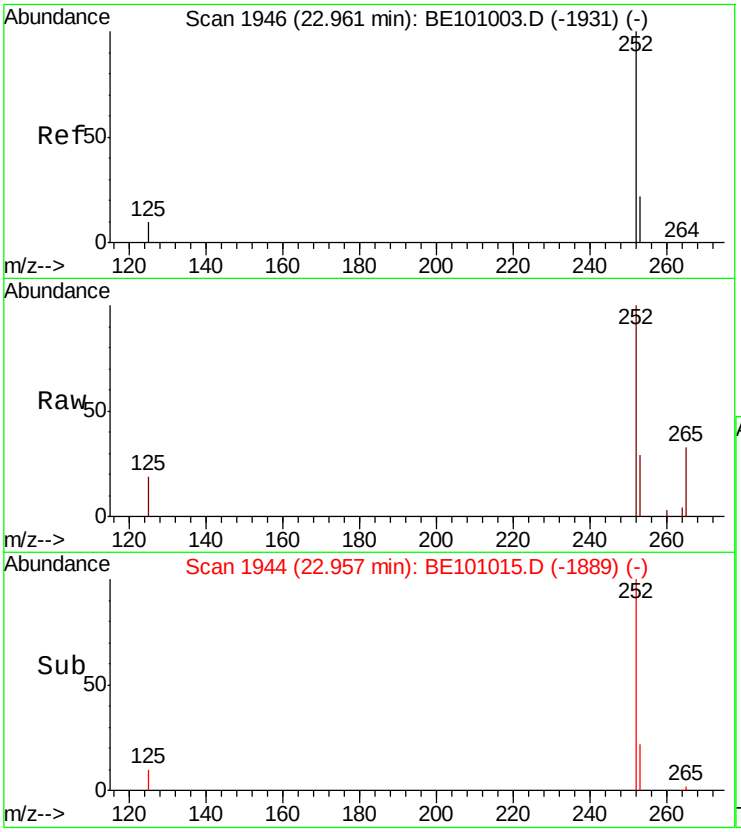


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.70 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:264 Resp: 16666

Ion	Ratio	Lower	Upper
264	100		
260	24.5	20.3	30.5
265	31.9	27.0	40.4





#35
Benzo(b)fluoranthene
Concen: 0.066 ng
RT: 22.96 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:252 Resp: 3096

Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.5	27.7#
125	19.2	9.5	14.3#

Instrument :
BNA_E
ClientSampleId :
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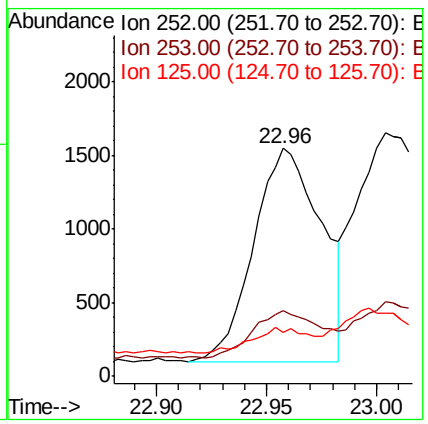
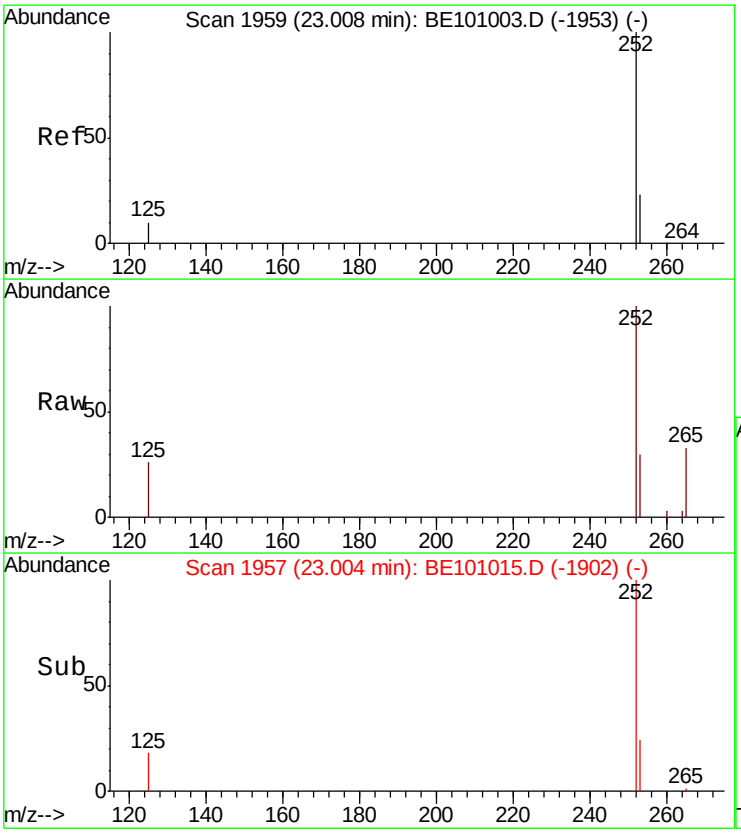
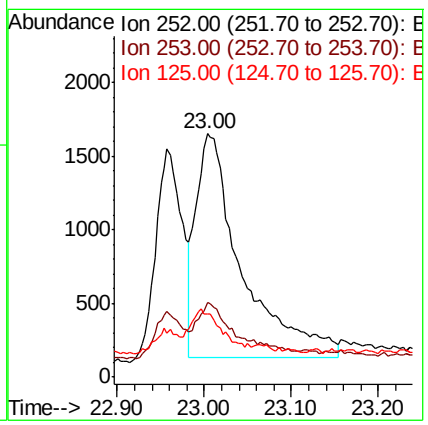


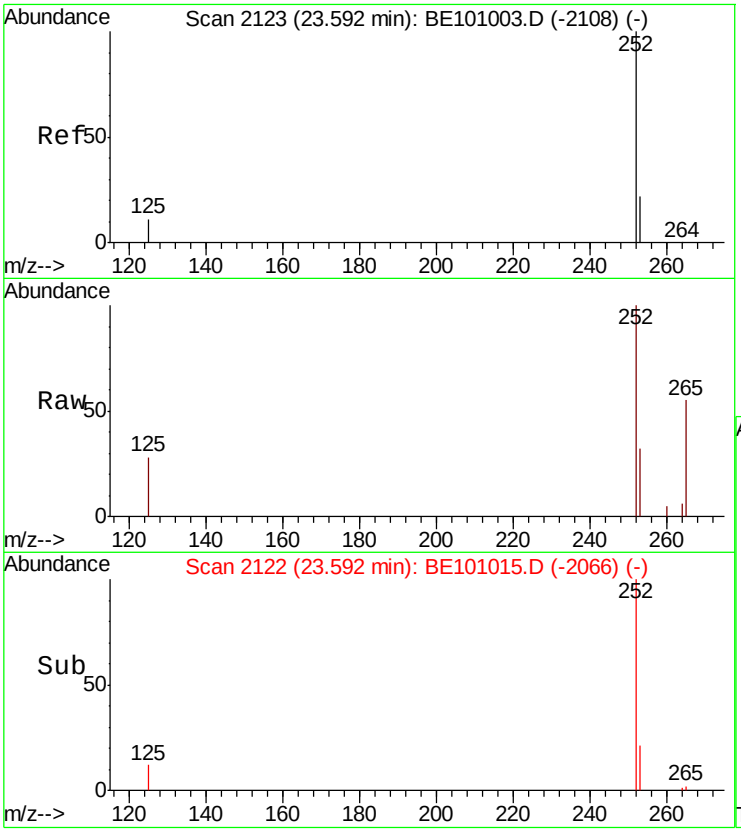


#36
Benzo(k)fluoranthene
Concen: 0.081 ng m
RT: 23.00 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:252 Resp: 5494

Ion	Ratio	Lower	Upper
252	100		
253	30.4	18.9	28.3#
125	26.2	10.1	15.1#





#37
Benzo(a)pyrene
Concen: 0.064 ng
RT: 23.59 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:252 Resp: 2905

Ion	Ratio	Lower	Upper
252	100		
253	32.2	19.4	29.2#
125	27.7	11.8	17.6#

Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

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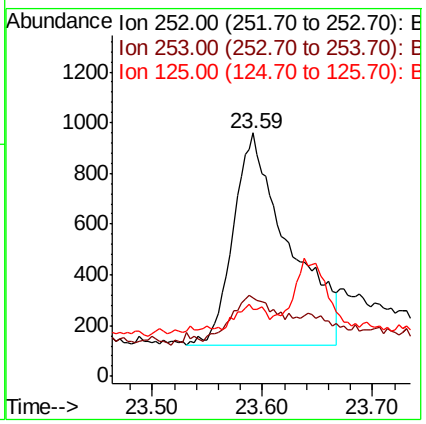
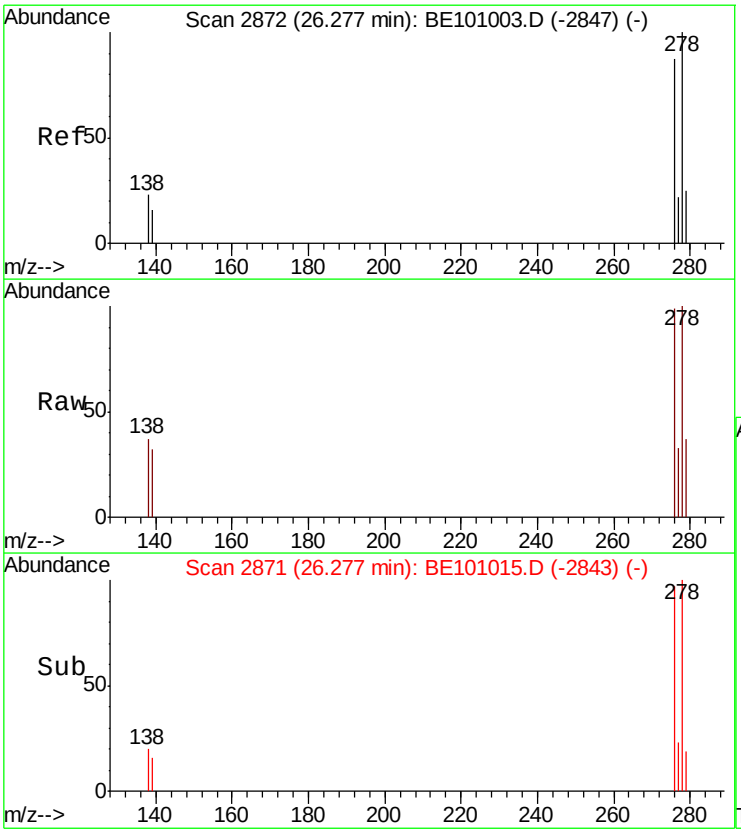
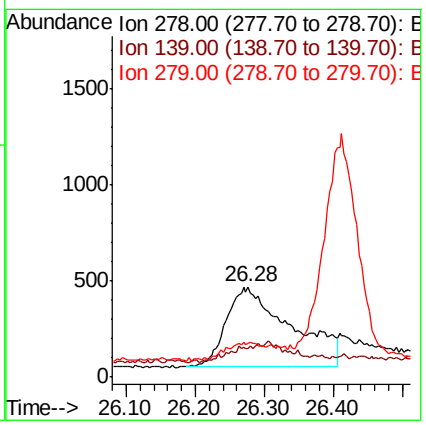


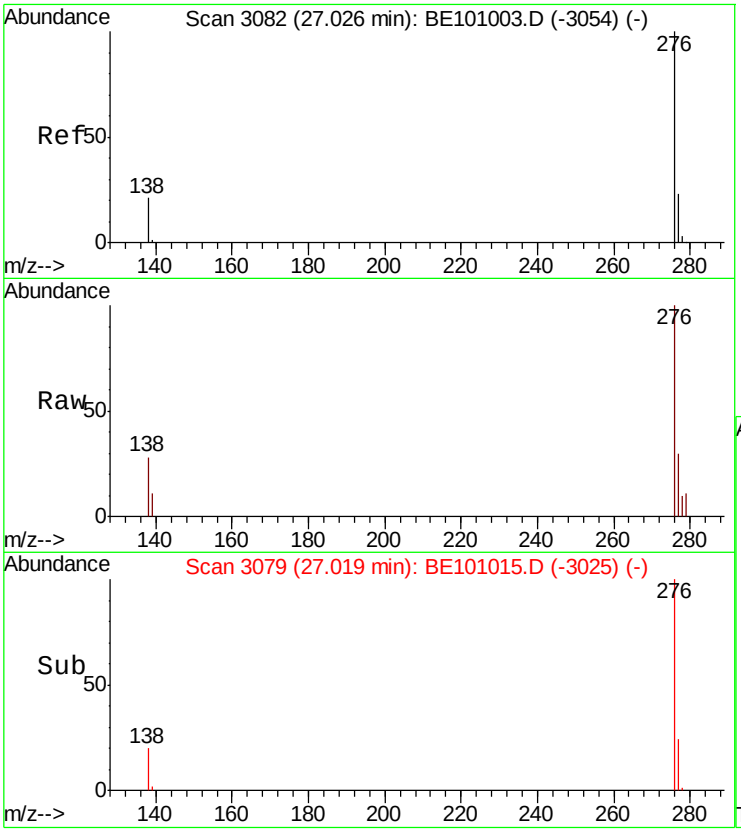


#38
Dibenzo(a,h)anthracene
Concen: 0.065 ng m
RT: 26.28 min Scan# 2871
Delta R.T. -0.00 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:278 Resp: 2684

Ion	Ratio	Lower	Upper
278	100		
139	32.2	15.0	22.4#
279	37.1	22.6	33.8#

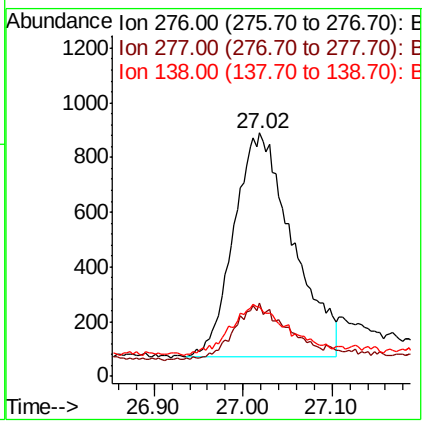




#39
Benzo(g,h,i)perylene
Concen: 0.073 ng
RT: 27.02 min Scan# 3079
Delta R.T. -0.01 min
Lab File: BE101015.D
Acq: 9 Jan 2020 16:53

Tgt Ion:276 Resp: 3746

Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.4	29.2#
138	28.3	17.9	26.9#



Instrument :
BNA_E
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

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