

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011020\
 Data File : BE101023.D
 Acq On : 10 Jan 2020 14:05
 Operator : JU
 Sample : K5111-09
 Misc : MDL-MDL-W-0.1NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Quant Time: Jan 10 14:52:11 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 14:02:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	2942	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	12955	0.40	ng	0.01
13) Acenaphthene-d10	14.36	164	8077	0.40	ng	0.00
19) Phenanthrene-d10	17.11	188	17481	0.40	ng	0.01
27) Chrysene-d12	21.28	240	13199	0.40	ng	0.00
34) Perylene-d12	23.70	264	15456	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	2288	0.35	ng	0.00
5) Phenol-d6	6.92	99	2235	0.27	ng	0.00
8) Nitrobenzene-d5	8.89	82	2399	0.26	ng	0.01
11) 2-Methylnaphthalene-d10	12.12	152	7834	0.32	ng	0.01
14) 2,4,6-Tribromophenol	15.86	330	505	0.22	ng	0.01
15) 2-Fluorobiphenyl	13.00	172	11815	0.39	ng	0.00
25) Fluoranthene-d10	19.13	212	71445	0.29	ng	0.00
29) Terphenyl-d14	19.74	244	13900	0.43	ng	0.00

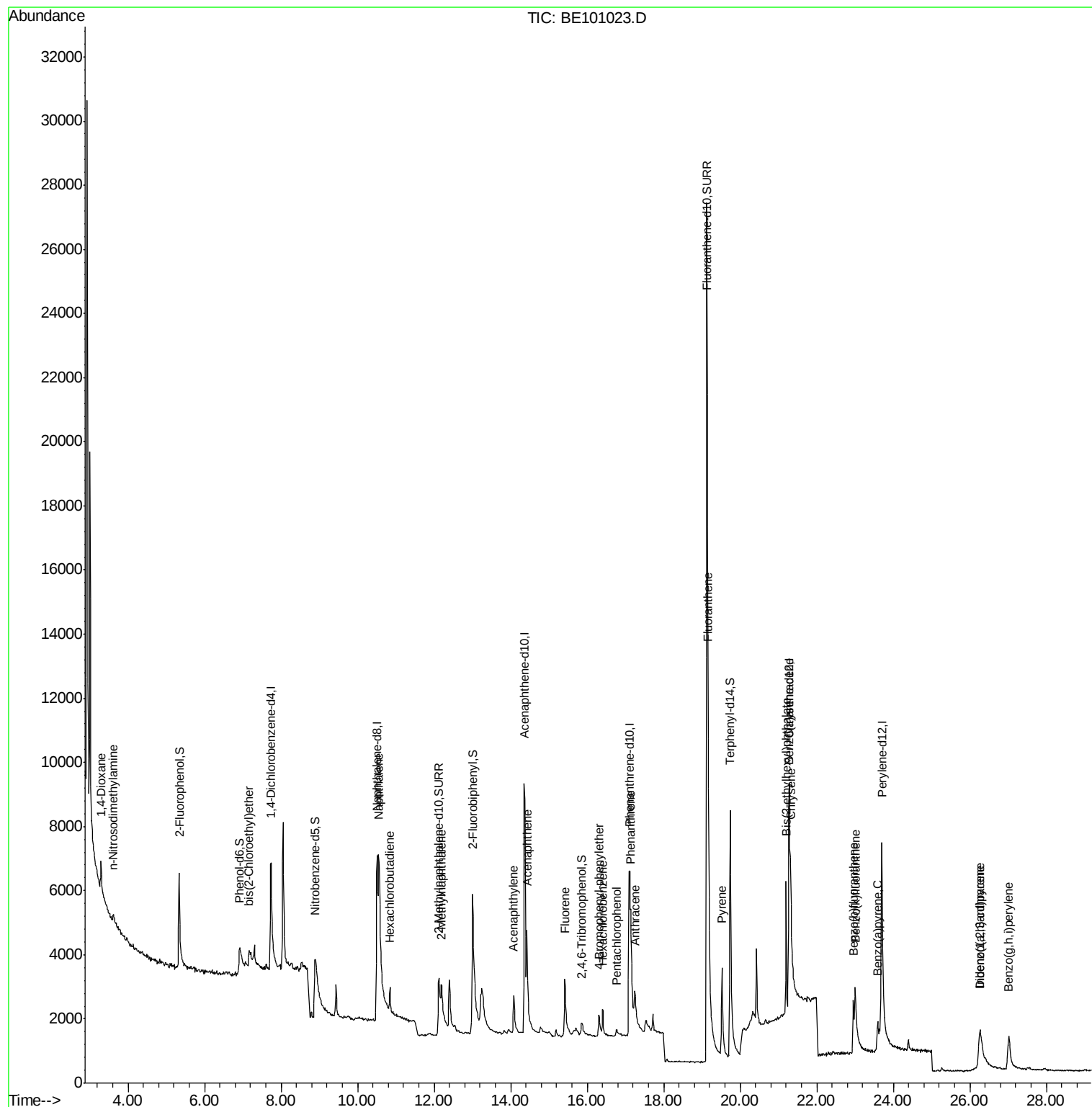
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	1214	0.162	ng	# 70
3) n-Nitrosodimethylamine	3.61	42	169	0.041	ng	# 1
6) bis(2-Chloroethyl)ether	7.16	93	474	0.048	ng	# 56
9) Naphthalene	10.56	128	12758	0.089	ng	# 96
10) Hexachlorobutadiene	10.85	225	551	0.090	ng	# 99
12) 2-Methylnaphthalene	12.19	142	1839	0.085	ng	# 93
16) Acenaphthylene	14.08	152	2262	0.069	ng	# 94
17) Acenaphthene	14.43	154	1887	0.080	ng	# 97
18) Fluorene	15.41	166	2186	0.073	ng	# 96
20) 4-Bromophenyl-phenylether	16.30	248	631	0.074	ng	# 90
21) Hexachlorobenzene	16.41	284	824	0.088	ng	# 94
22) Pentachlorophenol	16.77	266	276	0.119	ng	# 94
23) Phenanthrene	17.13	178	3752	0.079	ng	# 99
24) Anthracene	17.24	178	3834m	0.085	ng	# 99
26) Fluoranthene	19.16	202	4586	0.077	ng	# 99
28) Pyrene	19.52	202	4623	0.094	ng	# 99
30) Benzo(a)anthracene	21.27	228	2626	0.070	ng	# 98
31) Chrysene	21.32	228	5272	0.094	ng	# 99
32) Bis(2-ethylhexyl)phthalate	21.20	149	4624	0.074	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.25	276	3888m	0.088	ng	# 94
35) Benzo(b)fluoranthene	22.96	252	2711	0.063	ng	# 87
36) Benzo(k)fluoranthene	23.01	252	5245m	0.084	ng	# 99
37) Benzo(a)pyrene	23.59	252	3019m	0.072	ng	# 99
38) Dibenzo(a,h)anthracene	26.28	278	2557m	0.066	ng	# 92
39) Benzo(g,h,i)perylene	27.02	276	3615	0.076	ng	# 92

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

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Instrument :
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MDL-MDL-WATER-03-QT4-2019

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Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 14:02:12 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.74 min Scan# 423

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

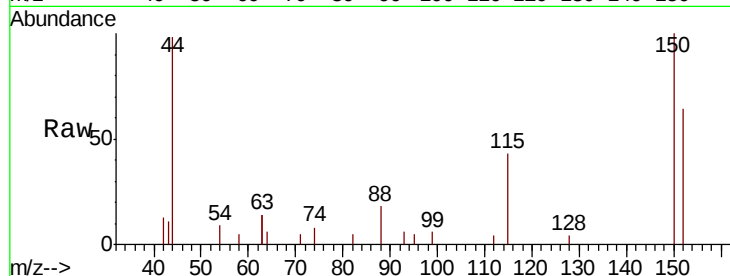
Tot Ion:152 Resp: 2942

Ion Ratio Lower Upper

152 100

150 156.2 120.3 180.5

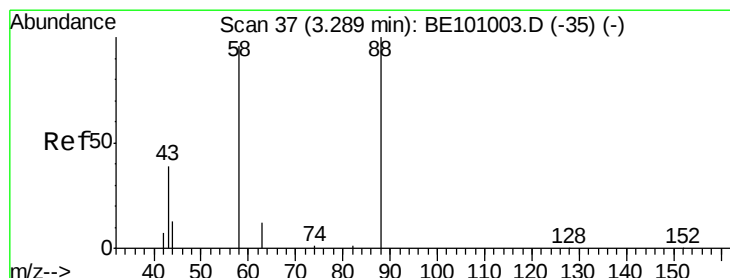
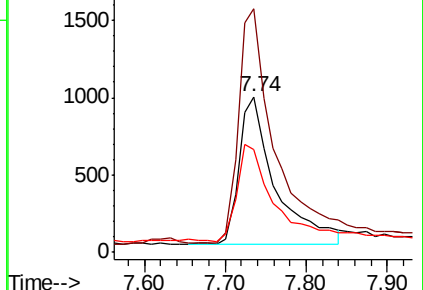
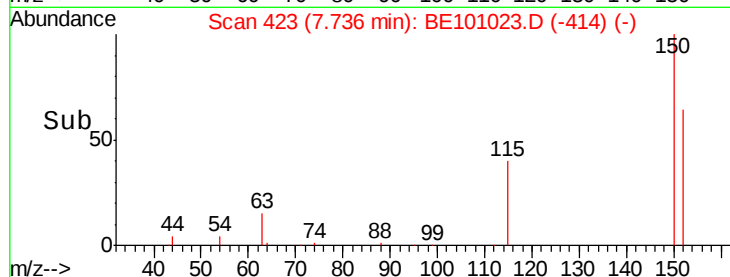
115 66.4 51.7 77.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.162 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

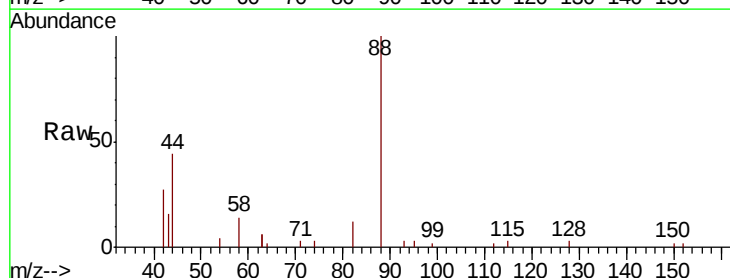
Tgt Ion: 88 Resp: 1214

Ion Ratio Lower Upper

88 100

58 38.8 53.0 79.4#

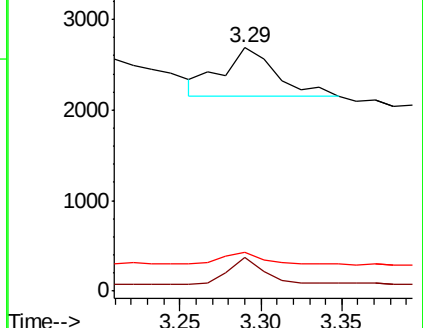
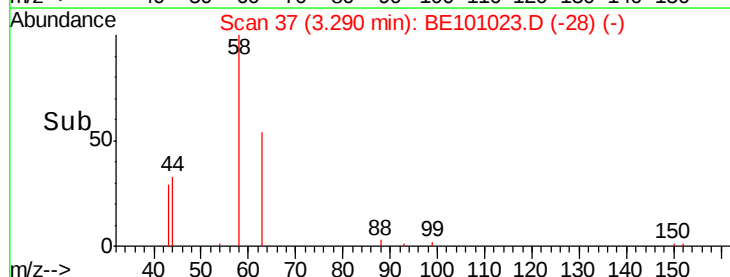
43 19.2 23.4 35.2#

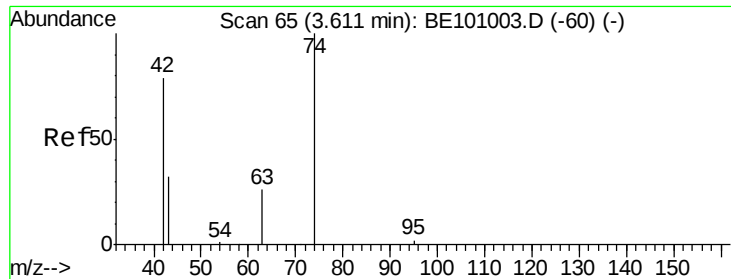


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1



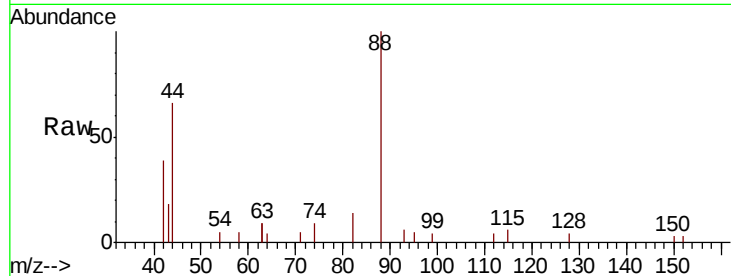


#3

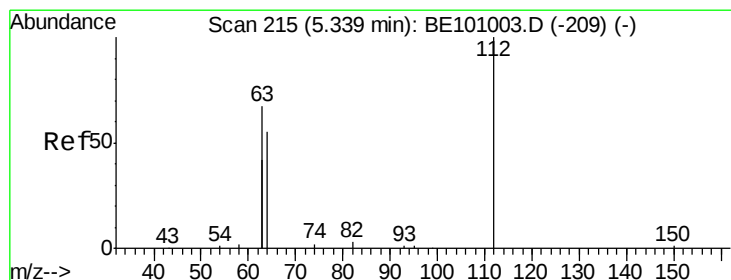
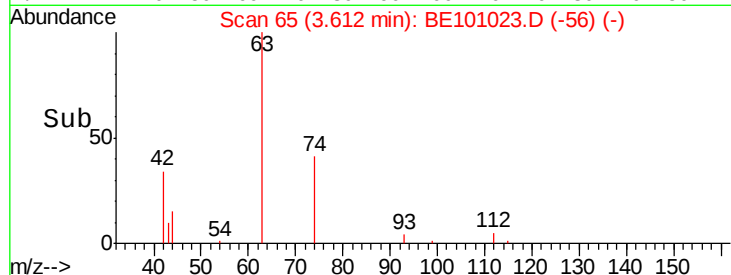
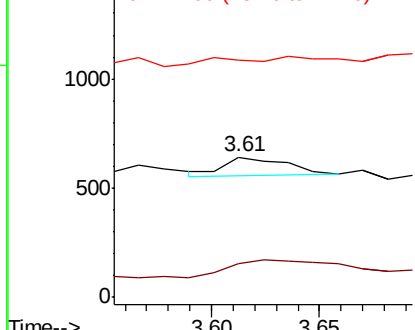
n-Nitrosodimethylamine
 Concen: 0.041 ng
 RT: 3.61 min Scan# 65
 Delta R.T. 0.00 min
 Lab File: BE101023.D
 Acq: 10 Jan 2020 14:05

Instrument :
 BNA_E
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tot Ion: 42 Resp: 169
 Ion Ratio Lower Upper
 42 100
 74 0.0 105.7 158.5#
 44 0.0 10.0 15.0#



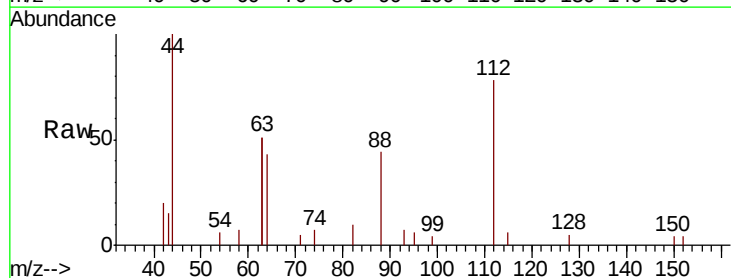
Abundance Ion 42.00 (41.70 to 42.70): BE1
 Ion 74.00 (73.70 to 74.70): BE1
 Ion 44.00 (43.70 to 44.70): BE1



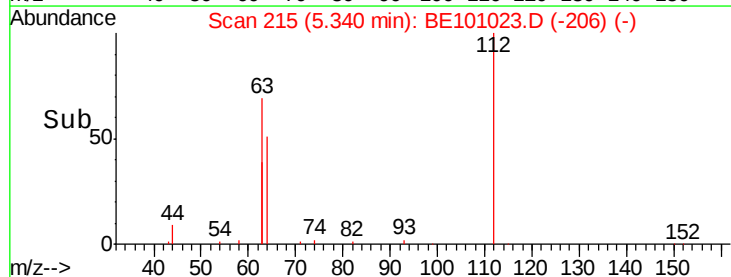
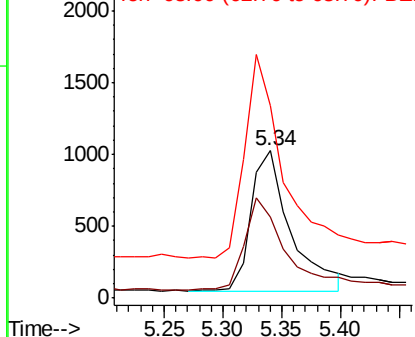
#4

2-Fluorophenol
 Concen: 0.346 ng
 RT: 5.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: BE101023.D
 Acq: 10 Jan 2020 14:05

Tgt Ion: 112 Resp: 2288
 Ion Ratio Lower Upper
 112 100
 64 64.5 53.6 80.4
 63 144.7 114.6 172.0



Abundance Ion 112.00 (111.70 to 112.70): BE1
 Ion 64.00 (63.70 to 64.70): BE1
 Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.267 ng

RT: 6.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

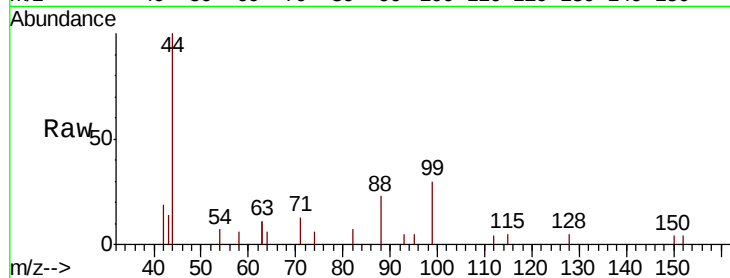
Tot Ion: 99 Resp: 2235

Ion Ratio Lower Upper

99 100

42 0.0 18.3 27.5#

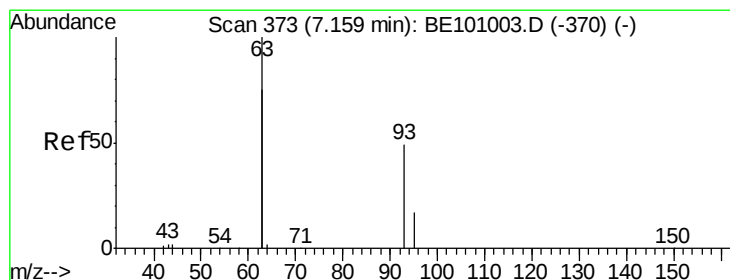
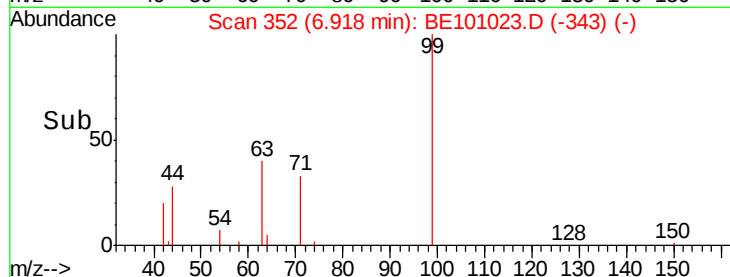
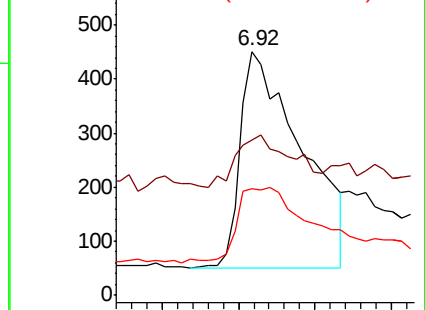
71 0.0 28.0 42.0#



Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.048 ng

RT: 7.16 min Scan# 373

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

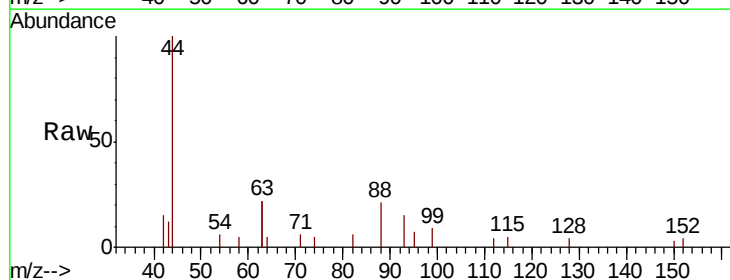
Tgt Ion: 93 Resp: 474

Ion Ratio Lower Upper

93 100

63 376.2 233.9 350.9#

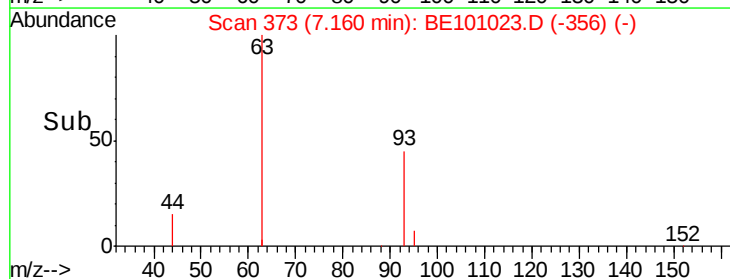
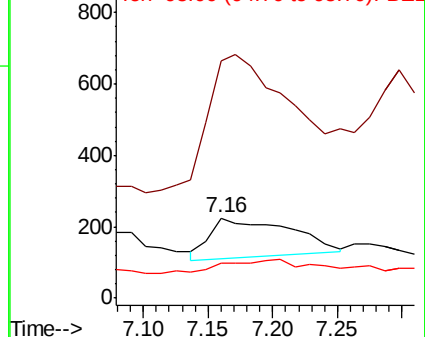
95 0.0 23.5 35.3#



Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.51 min Scan# 642

Delta R.T. 0.01 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tot Ion:136 Resp: 12955

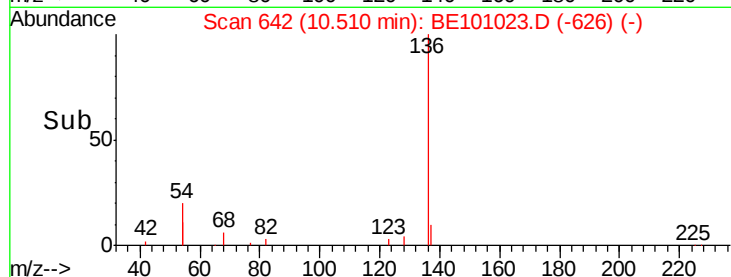
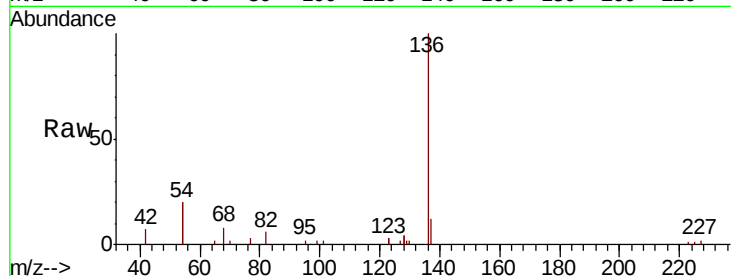
Ion Ratio Lower Upper

136 100

137 11.9 9.3 13.9

54 39.4 36.8 55.2

68 8.1 8.4 12.6#

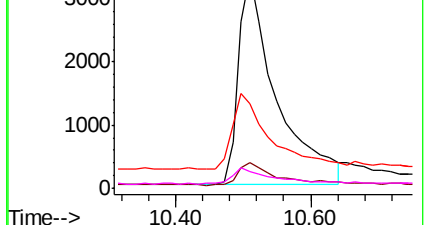


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.259 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

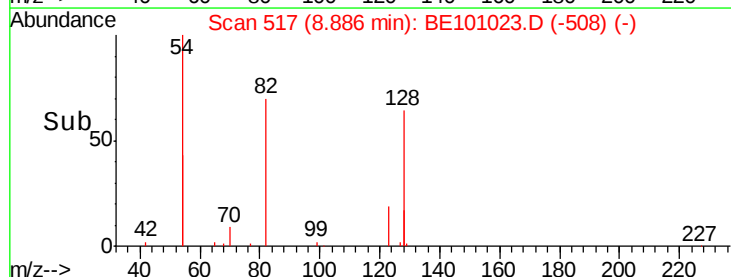
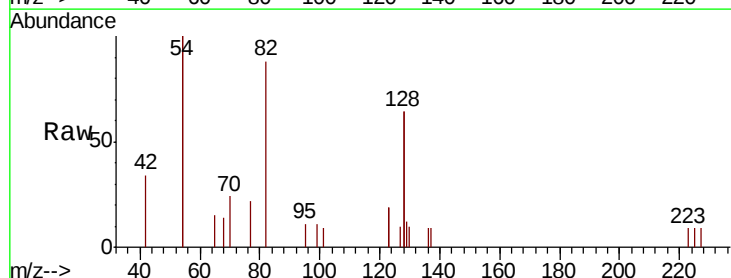
Tgt Ion: 82 Resp: 2399

Ion Ratio Lower Upper

82 100

128 146.3 109.8 164.6

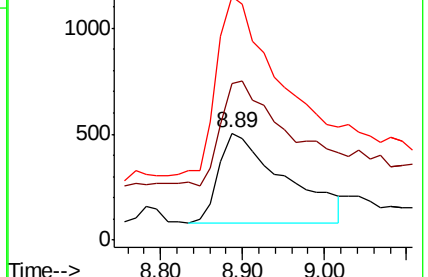
54 228.2 174.5 261.7

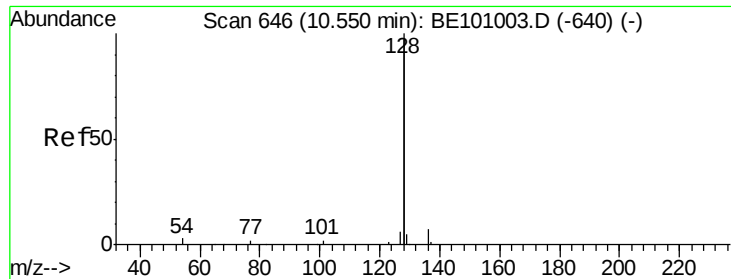


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.089 ng

RT: 10.56 min Scan# 646

Delta R.T. 0.01 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

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ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

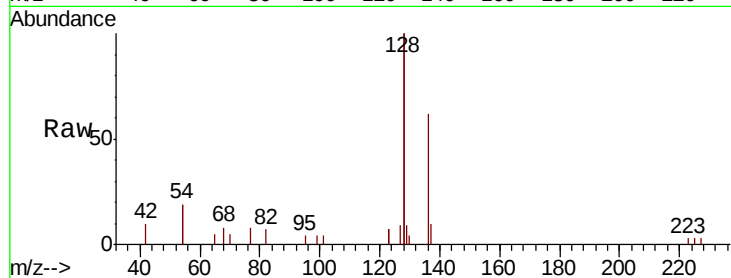
Tot Ion:128 Resp: 12758

Ion Ratio Lower Upper

128 100

129 4.7 2.3 3.5#

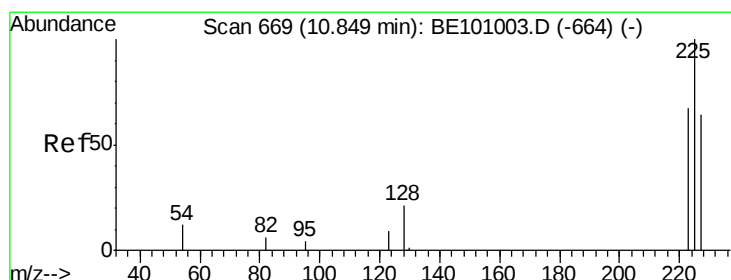
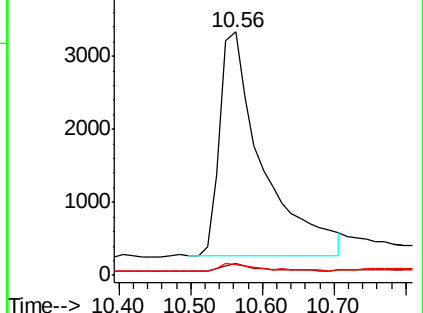
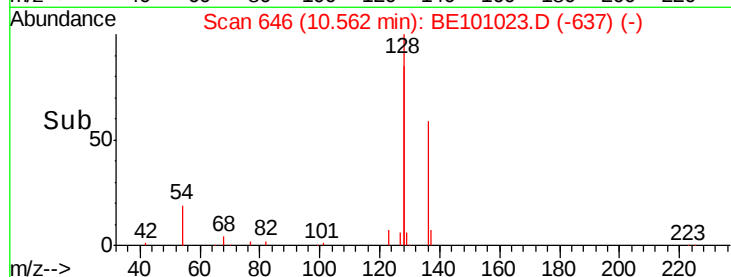
127 4.4 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.090 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

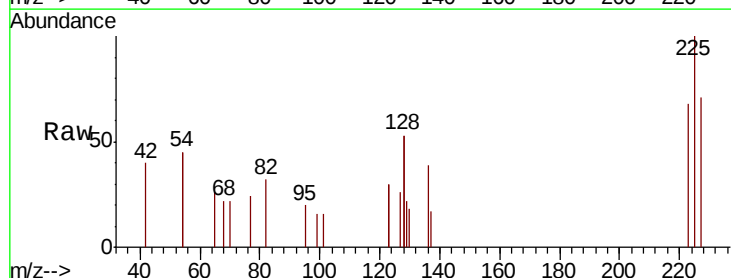
Tgt Ion:225 Resp: 551

Ion Ratio Lower Upper

225 100

223 65.3 52.2 78.4

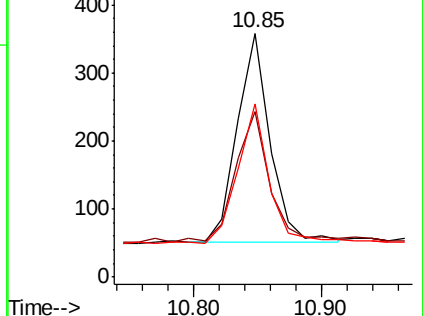
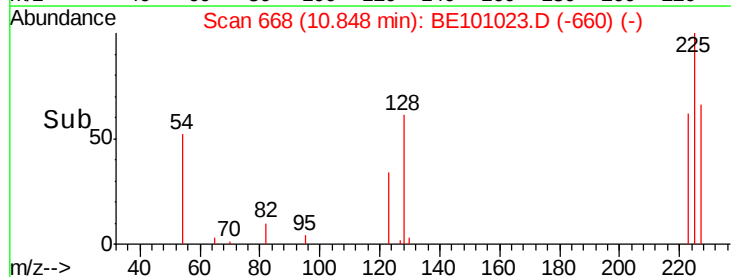
227 61.2 49.9 74.9

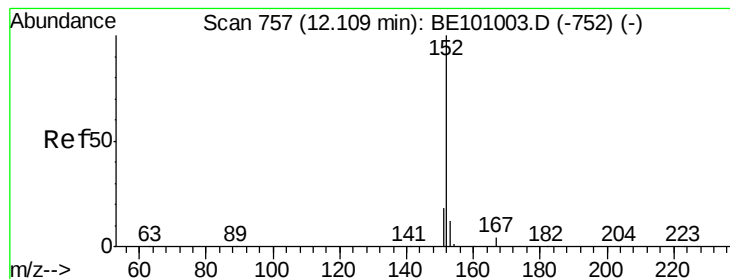


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.317 ng

RT: 12.12 min Scan# 757

Delta R.T. 0.01 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

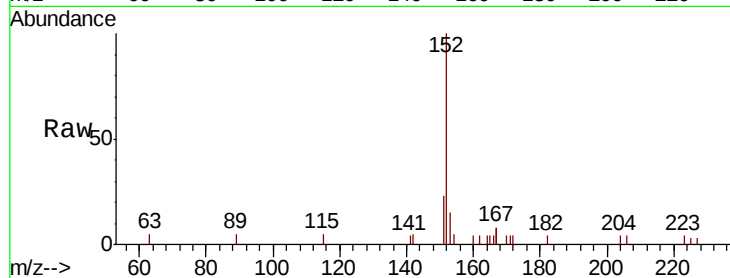
MDL-MDL-WATER-03-QT4-2019

Tot Ion:152 Resp: 7834

Ion Ratio Lower Upper

152 100

151 19.6 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.12

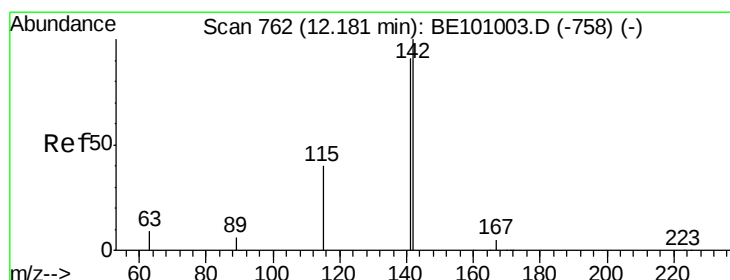
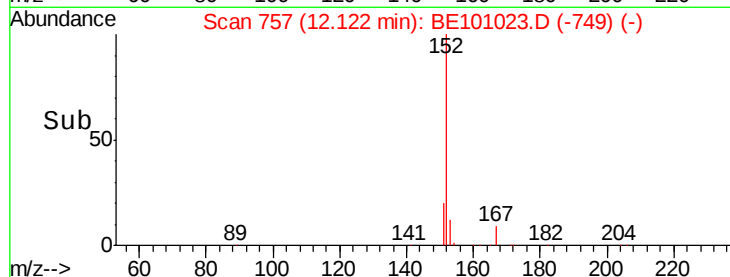
1500

1000

500

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.085 ng

RT: 12.19 min Scan# 762

Delta R.T. 0.01 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

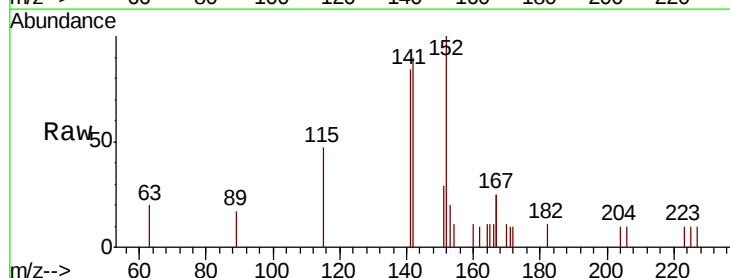
Tgt Ion:142 Resp: 1839

Ion Ratio Lower Upper

142 100

141 92.9 72.5 108.7

115 52.2 33.0 49.6#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

1000

800

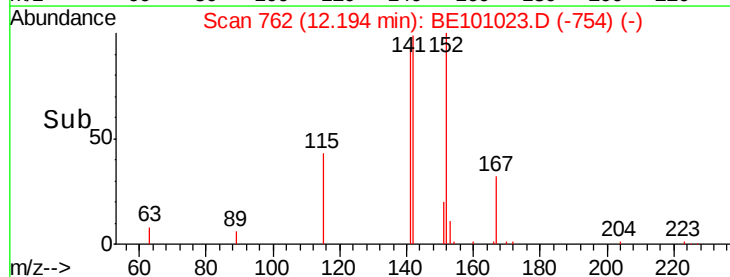
600

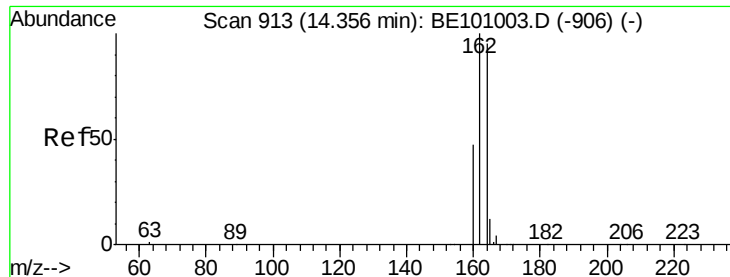
400

200

0

Time-->

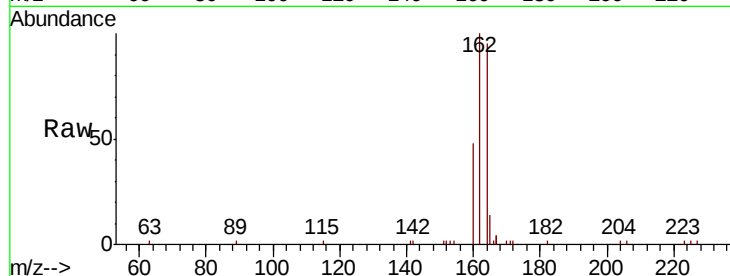




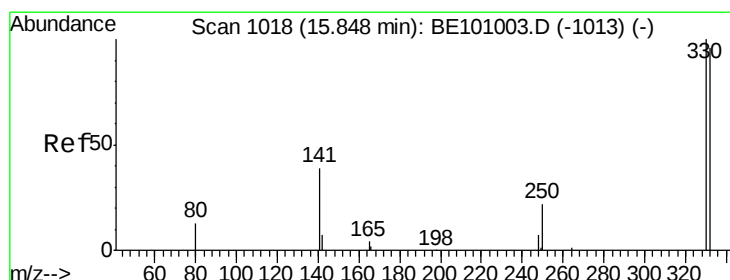
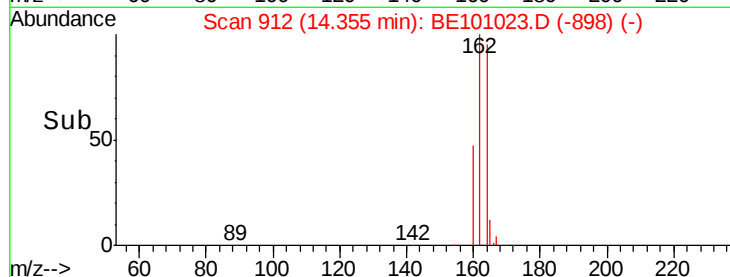
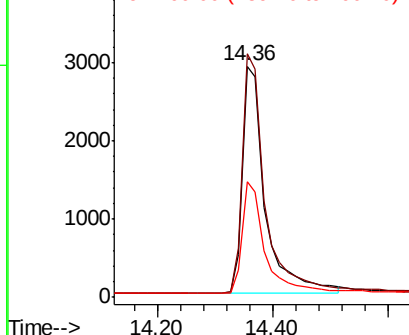
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tot Ion:164 Resp: 8077
Ion Ratio Lower Upper
164 100
162 105.4 84.1 126.1
160 50.2 40.4 60.6

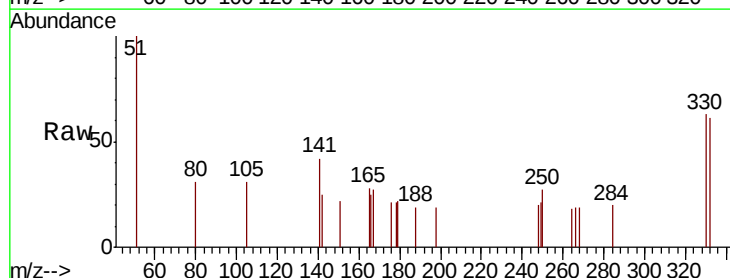


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

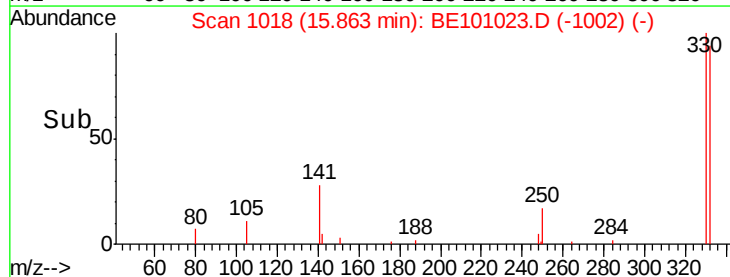
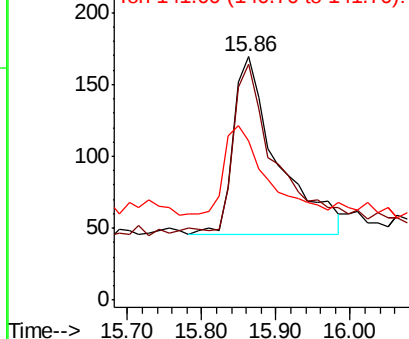


#14
2,4,6-Tribromophenol
Concen: 0.222 ng
RT: 15.86 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

Tgt Ion:330 Resp: 505
Ion Ratio Lower Upper
330 100
332 92.7 78.4 117.6
141 46.1 37.0 55.4



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

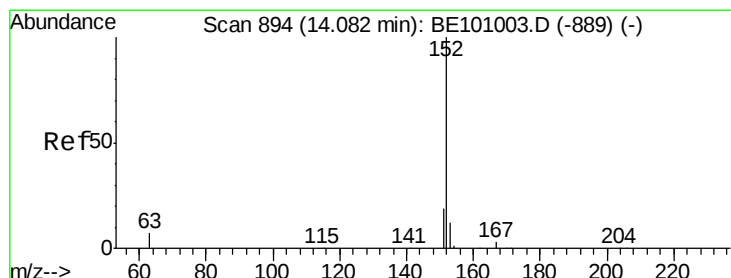
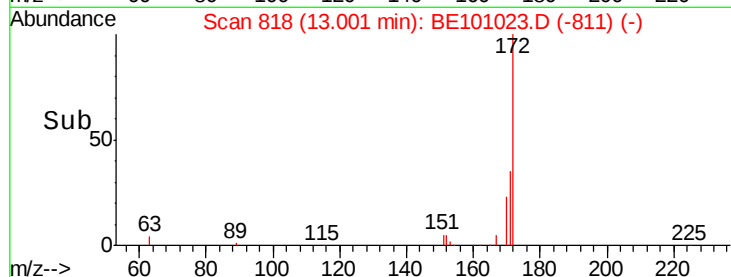
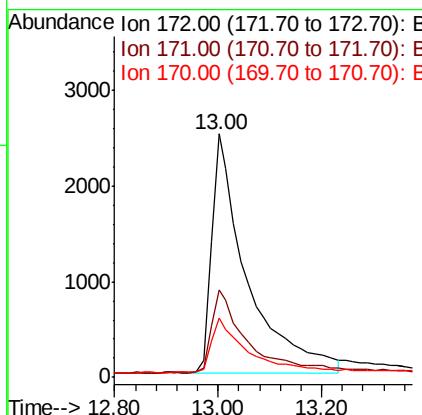
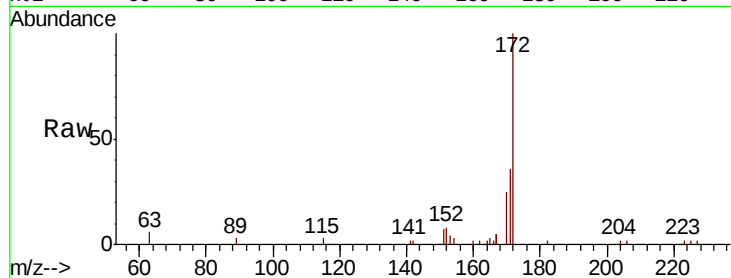




#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 13.00 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

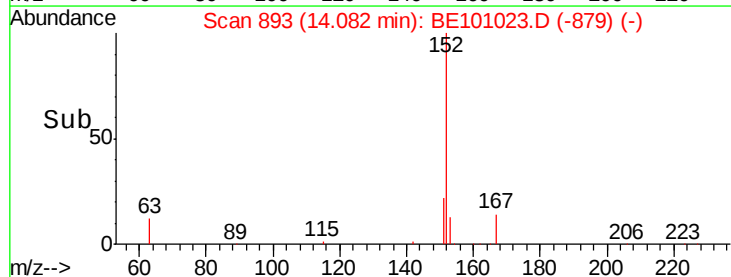
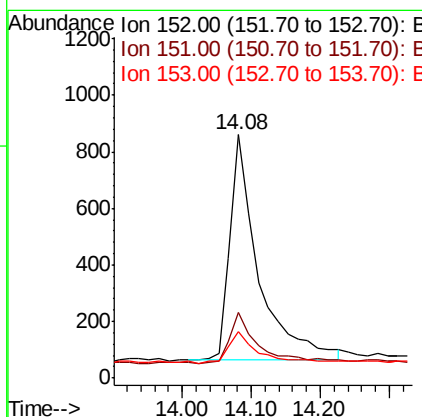
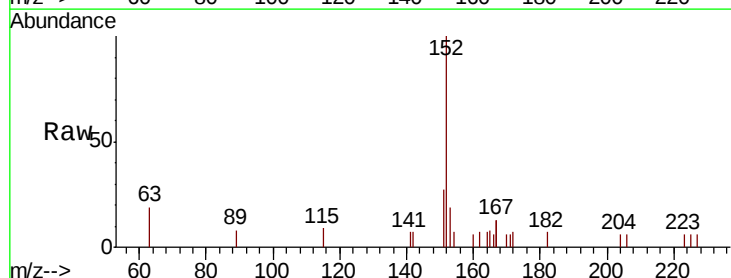
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tot Ion:172 Resp: 11815
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.2
170 24.5 18.9 28.3



#16
Acenaphthylene
Concen: 0.069 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

Tgt Ion:152 Resp: 2262
Ion Ratio Lower Upper
152 100
151 22.5 15.5 23.3
153 14.5 10.4 15.6

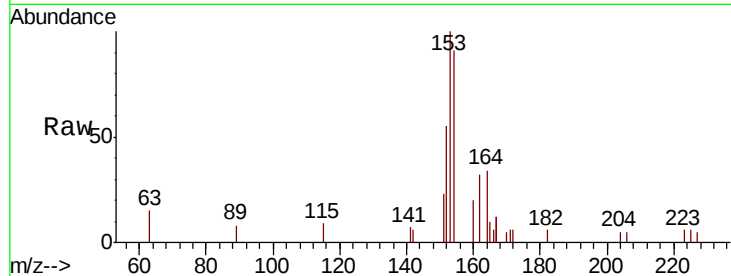




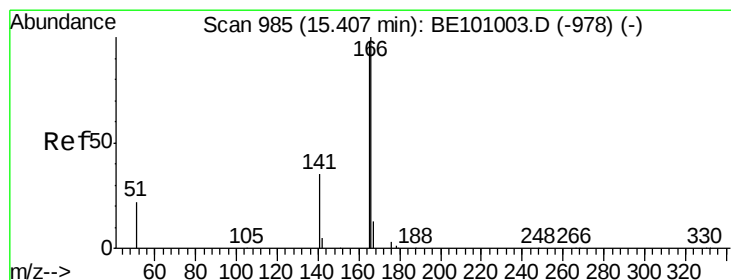
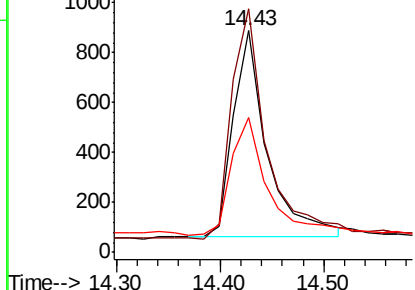
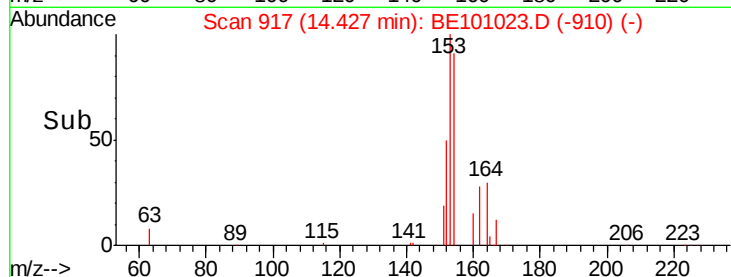
#17
Acenaphthene
Concen: 0.080 ng
RT: 14.43 min Scan# 917
Delta R.T. -0.00 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tot Ion:154 Resp: 1887
Ion Ratio Lower Upper
154 100
153 115.7 93.6 140.4
152 61.8 46.3 69.5

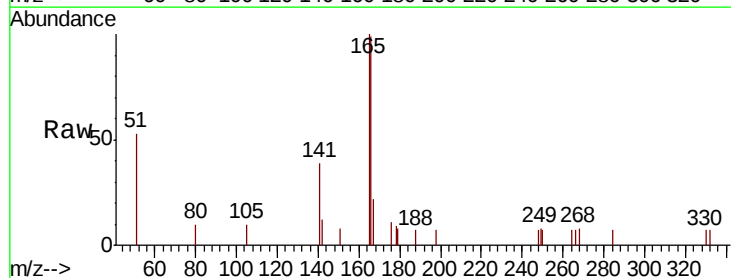


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

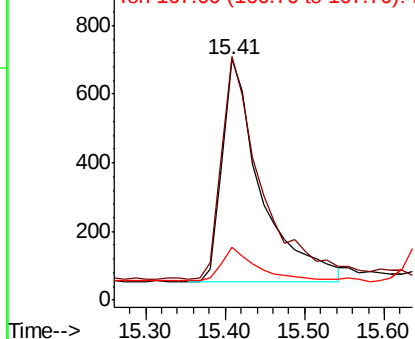
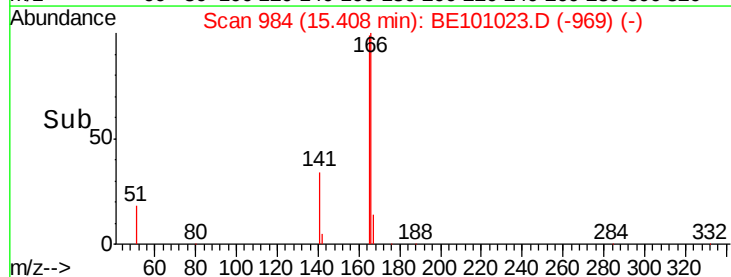


#18
Fluorene
Concen: 0.073 ng
RT: 15.41 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

Tgt Ion:166 Resp: 2186
Ion Ratio Lower Upper
166 100
165 104.7 79.8 119.8
167 13.8 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

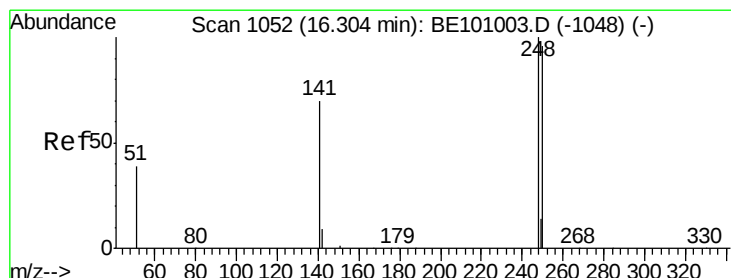
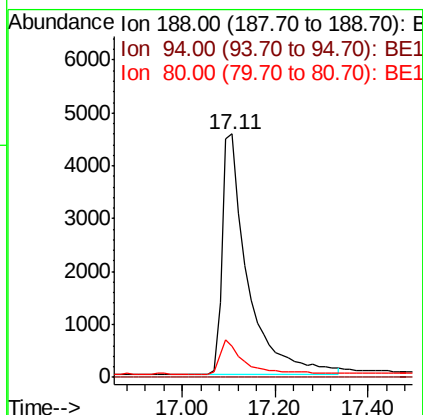
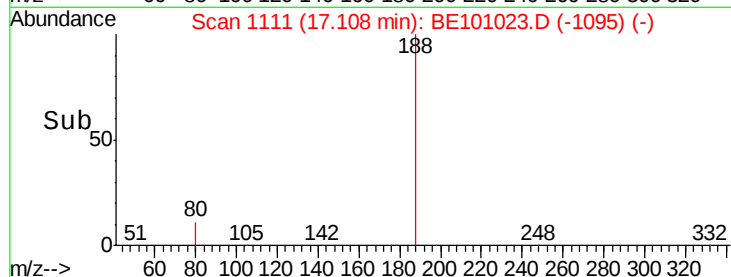
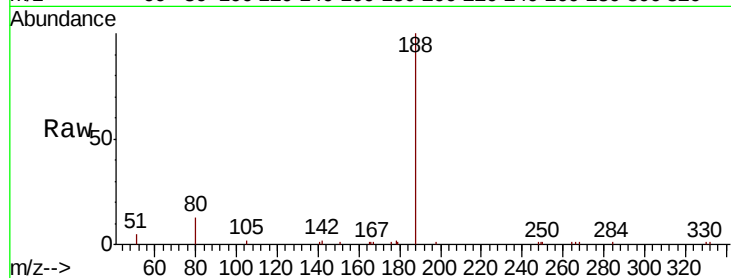




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.11 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

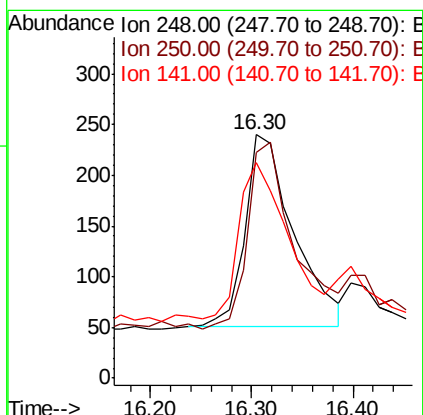
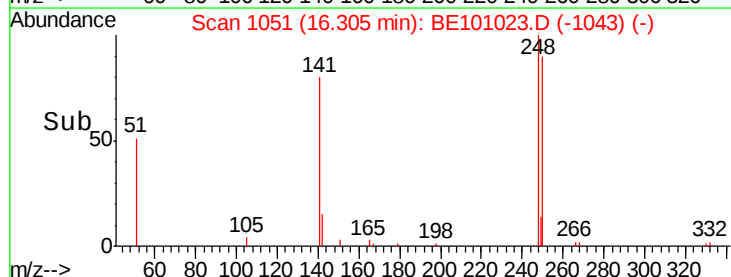
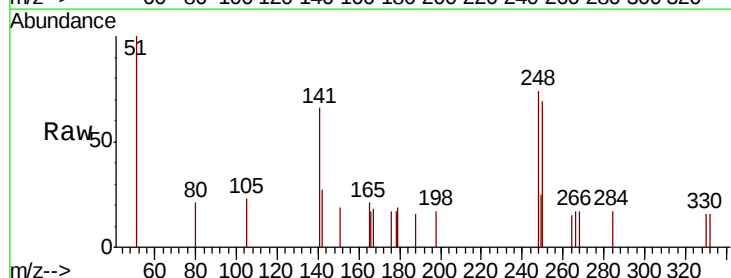
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

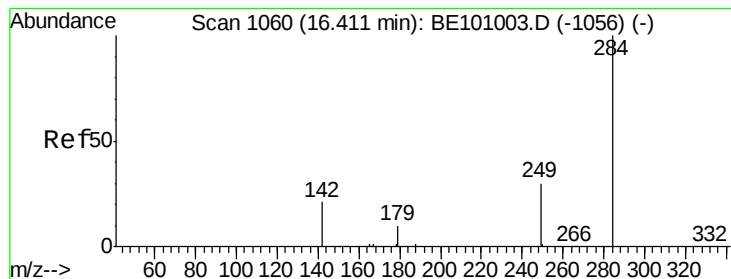
Tot Ion:188 Resp: 17481
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.6 10.8 16.2



#20
4-Bromophenyl-phenylether
Concen: 0.074 ng
RT: 16.30 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

Tgt Ion:248 Resp: 631
Ion Ratio Lower Upper
248 100
250 92.5 76.6 115.0
141 88.3 57.7 86.5#





#21

Hexachlorobenzene

Concen: 0.088 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

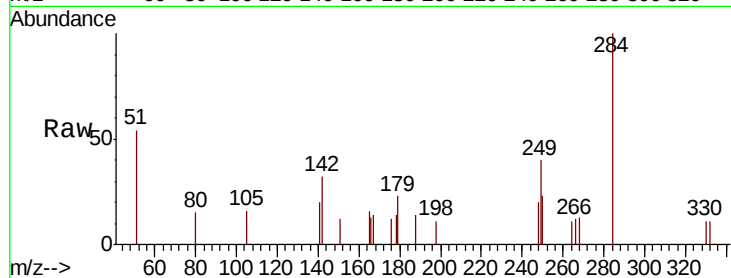
Tot Ion:284 Resp: 824

Ion Ratio Lower Upper

284 100

142 45.6 34.0 51.0

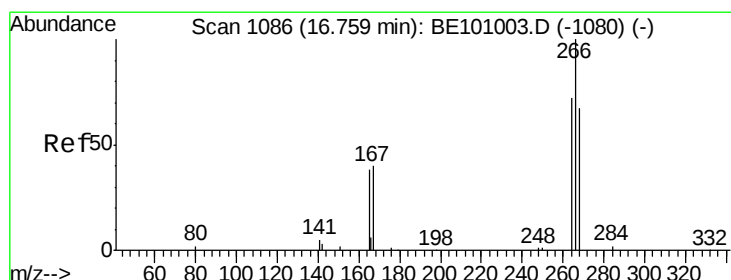
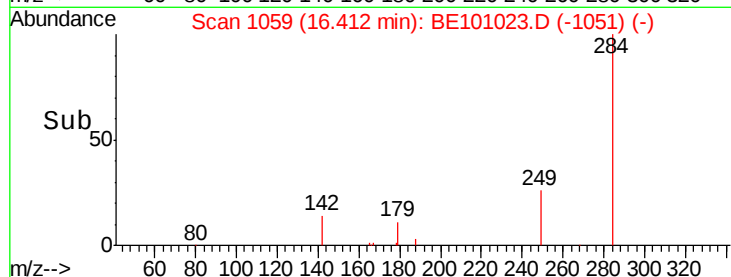
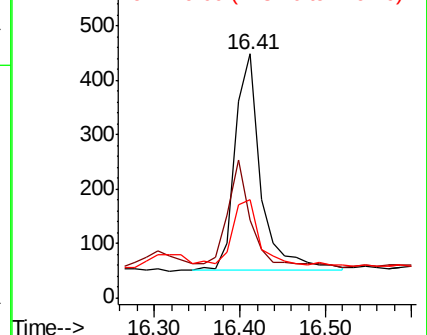
249 30.9 28.2 42.4



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.119 ng

RT: 16.77 min Scan# 1086

Delta R.T. 0.02 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

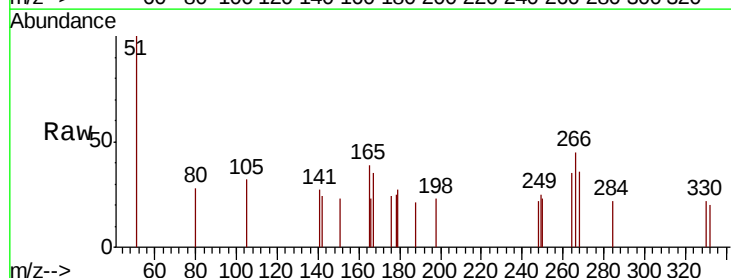
Tgt Ion:266 Resp: 276

Ion Ratio Lower Upper

266 100

264 79.2 61.0 91.4

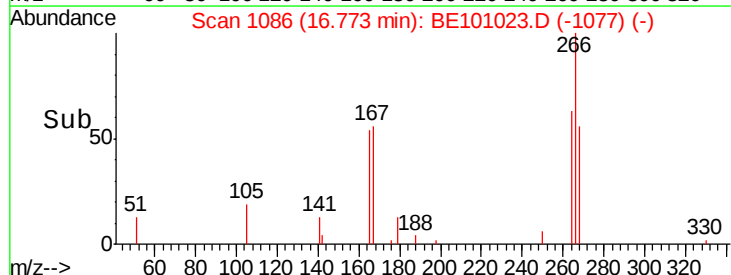
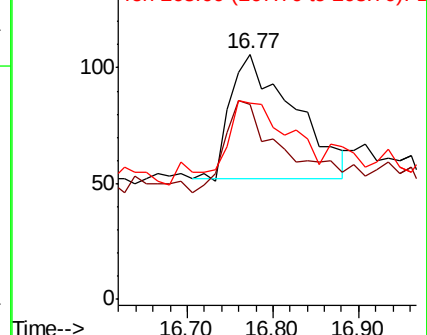
268 80.2 58.5 87.7



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.079 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

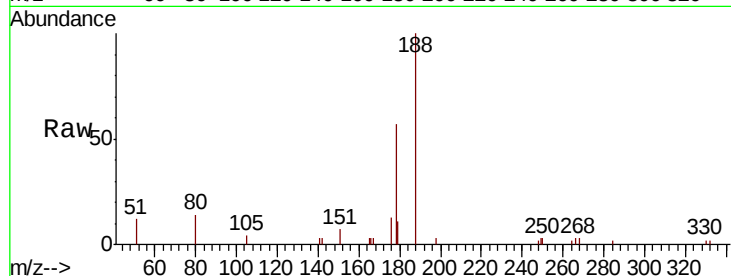
Tot Ion:178 Resp: 3752

Ion Ratio Lower Upper

178 100

176 18.9 15.7 23.5

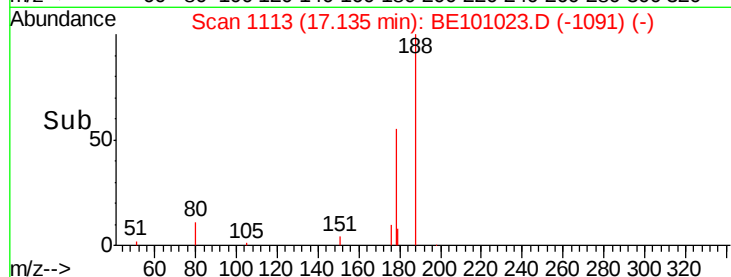
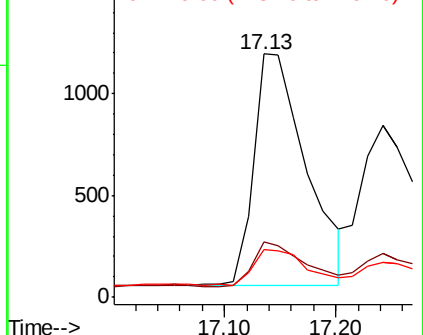
179 15.6 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.085 ng m

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

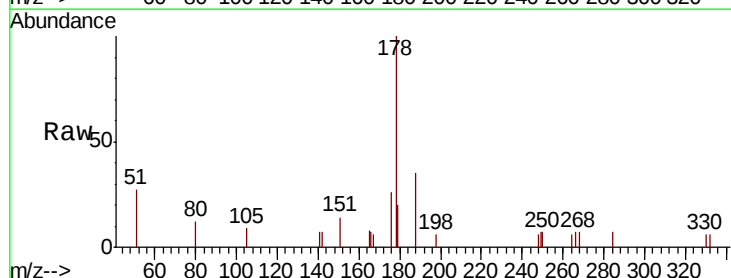
Tgt Ion:178 Resp: 3834

Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

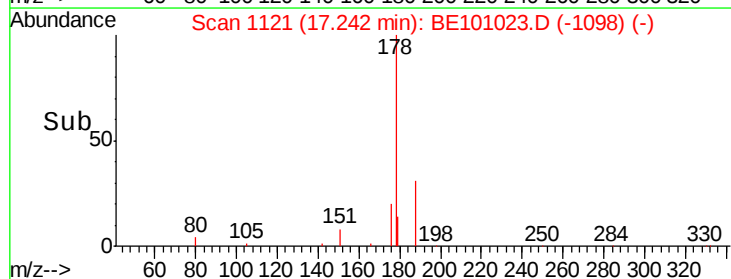
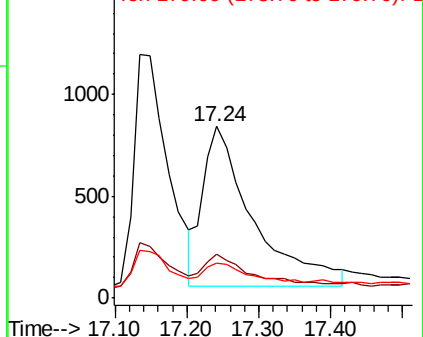
179 15.2 12.4 18.6

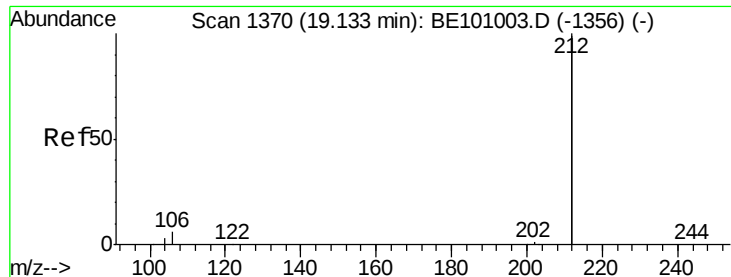


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.294 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

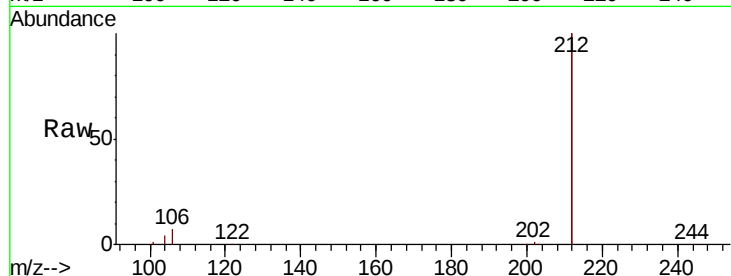
Tot Ion:212 Resp: 71445

Ion Ratio Lower Upper

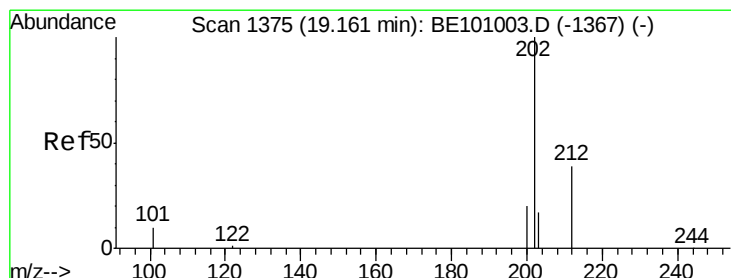
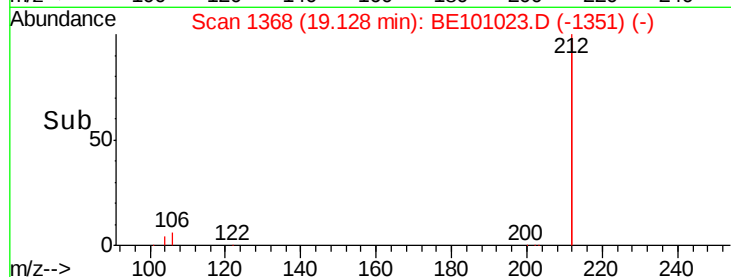
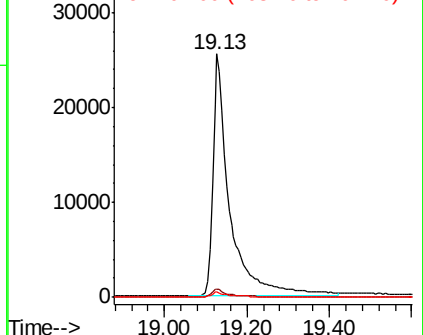
212 100

106 3.0 2.6 3.8

104 1.7 1.4 2.0



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.077 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

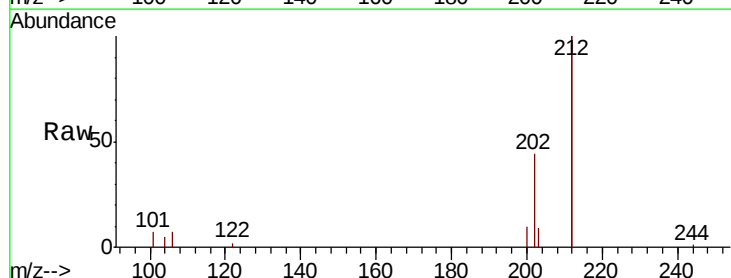
Tgt Ion:202 Resp: 4586

Ion Ratio Lower Upper

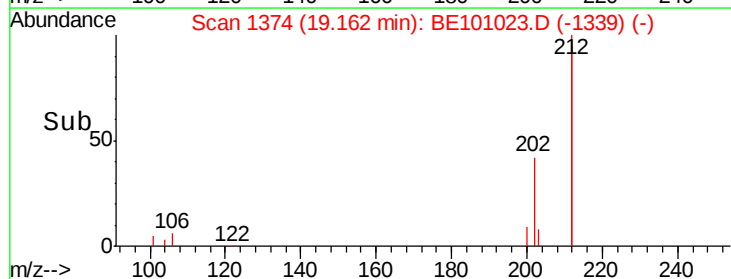
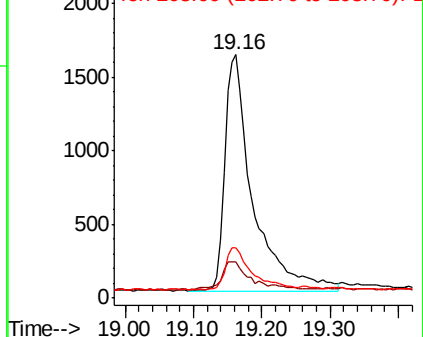
202 100

101 10.9 9.6 14.4

203 17.2 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

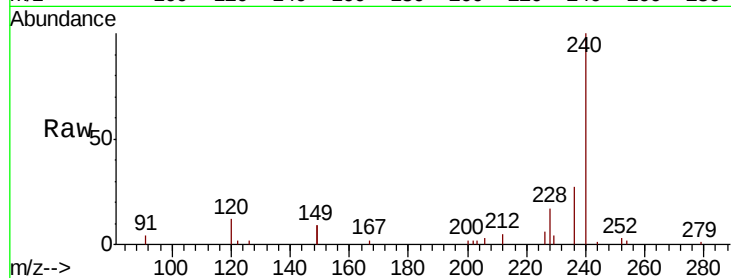
Tot Ion:240 Resp: 13199

Ion Ratio Lower Upper

240 100

120 11.7 8.6 13.0

236 27.5 22.2 33.4

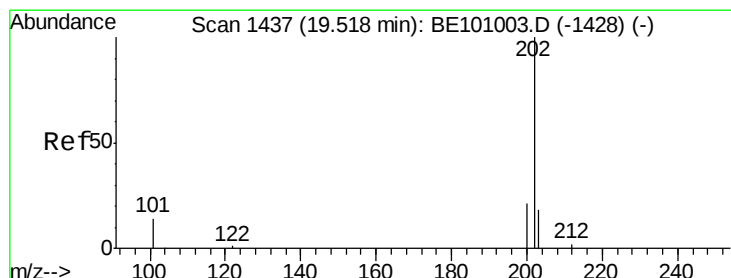
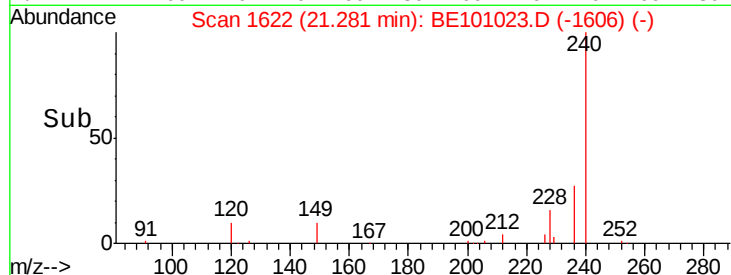
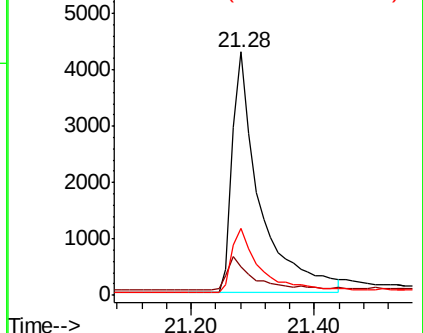


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.094 ng

RT: 19.52 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

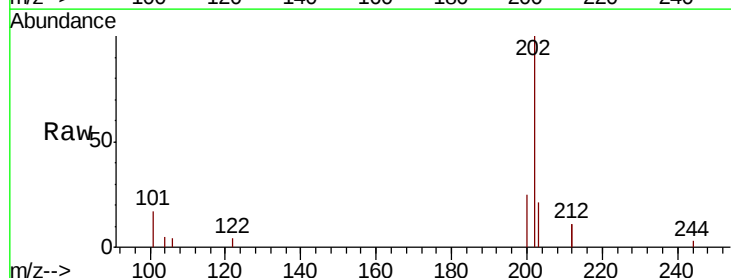
Tgt Ion:202 Resp: 4623

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 16.7 13.8 20.6

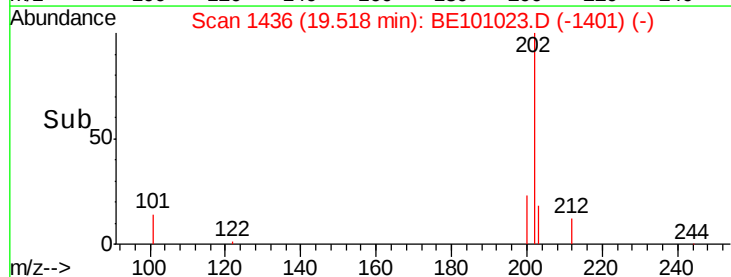
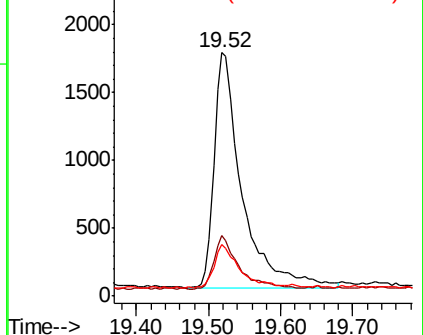


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.429 ng

RT: 19.74 min Scan# 1474

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

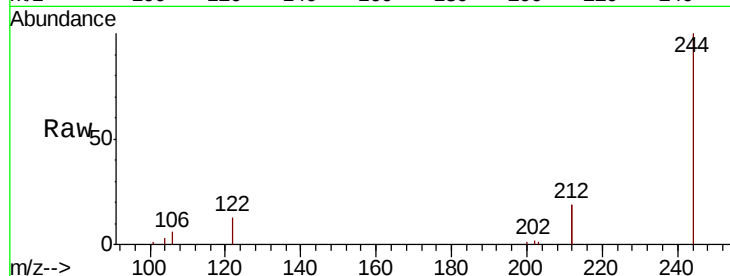
Tot Ion:244 Resp: 13900

Ion Ratio Lower Upper

244 100

212 37.5 27.2 40.8

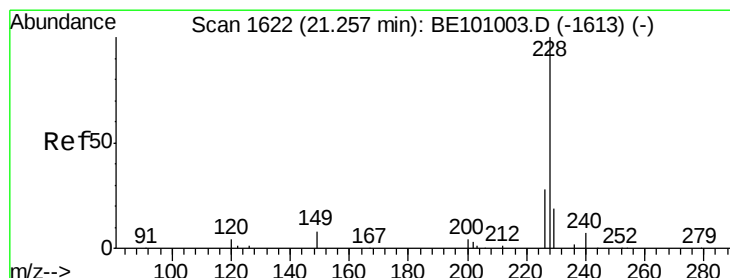
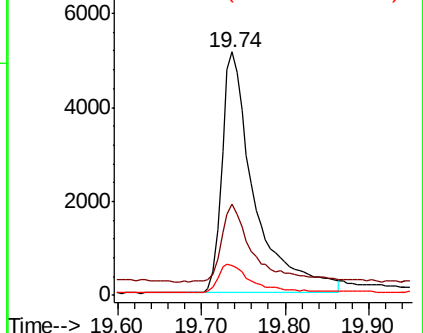
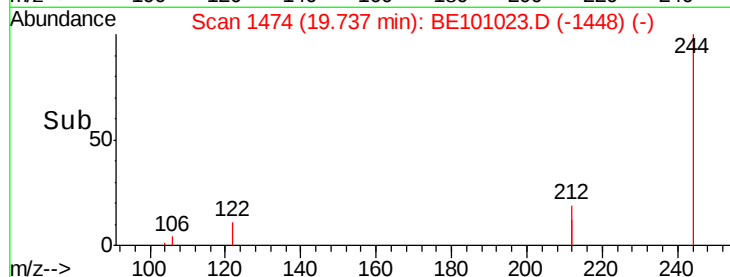
122 12.5 9.8 14.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.070 ng

RT: 21.27 min Scan# 1621

Delta R.T. 0.01 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

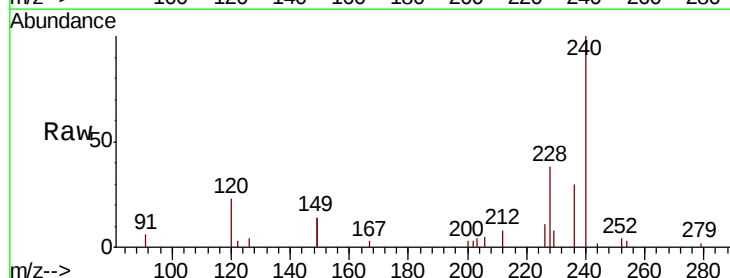
Tgt Ion:228 Resp: 2626

Ion Ratio Lower Upper

228 100

226 28.6 22.7 34.1

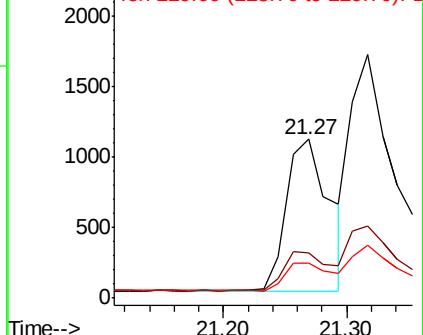
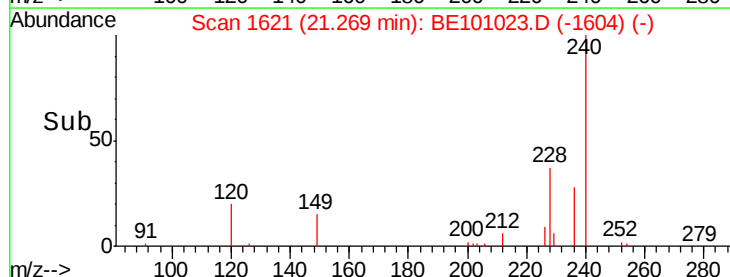
229 21.7 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.094 ng

RT: 21.32 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

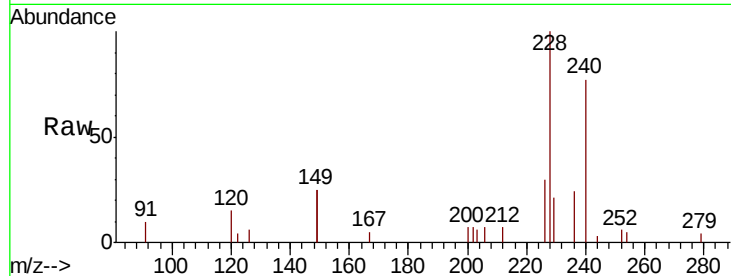
Tot Ion:228 Resp: 5272

Ion Ratio Lower Upper

228 100

226 29.6 23.5 35.3

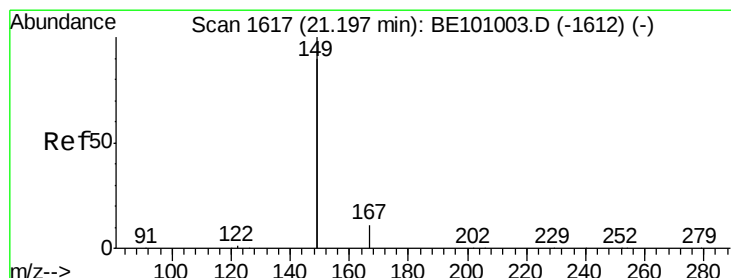
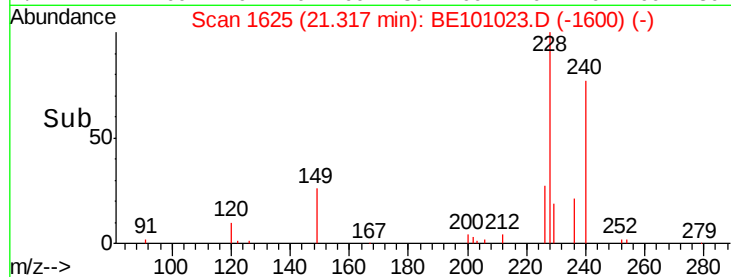
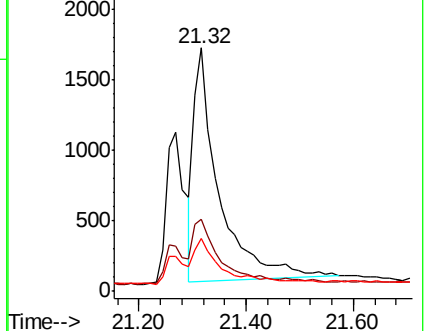
229 21.5 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.074 ng

RT: 21.20 min Scan# 1615

Delta R.T. -0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

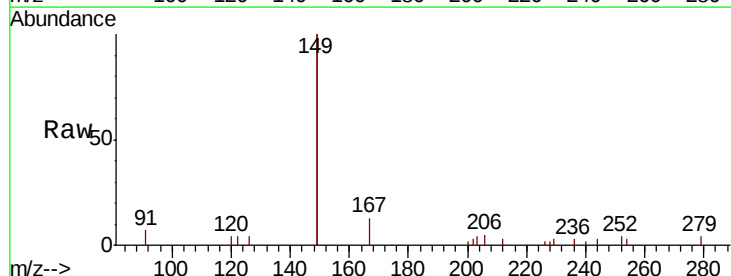
Tgt Ion:149 Resp: 4624

Ion Ratio Lower Upper

149 100

167 8.0 5.2 7.8#

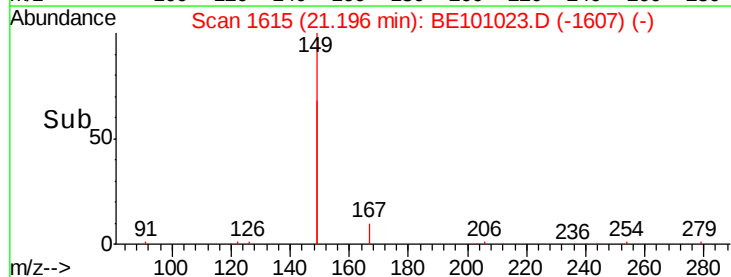
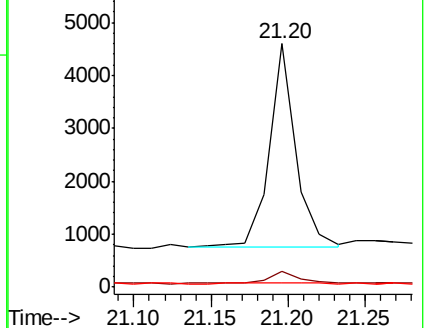
279 1.3 0.8 1.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

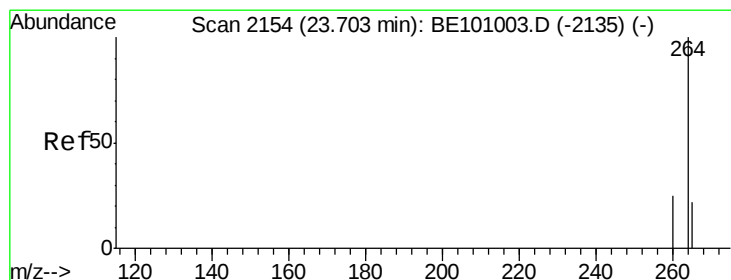
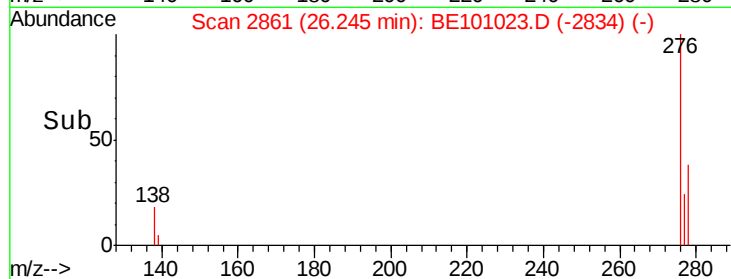
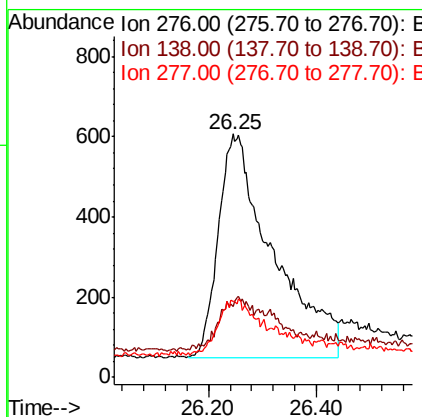
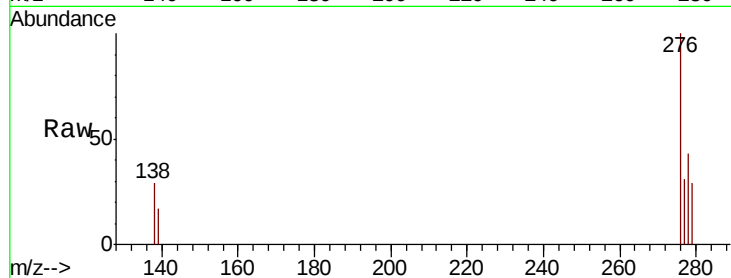




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.088 ng/ml
RT: 26.25 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

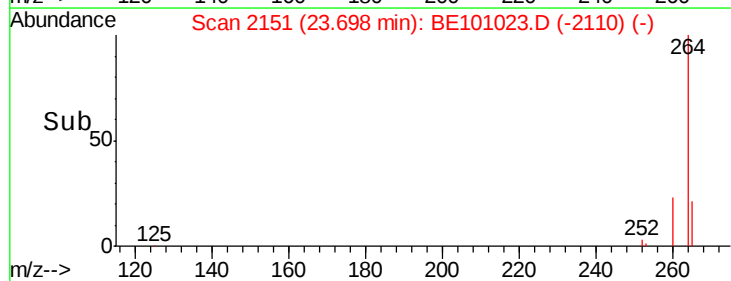
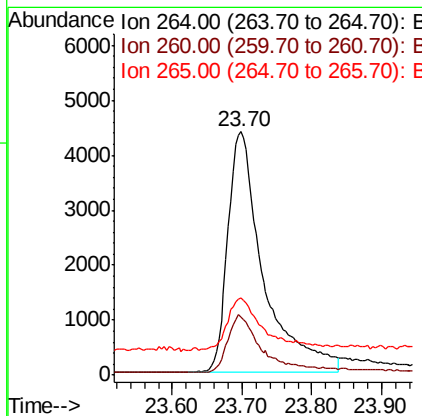
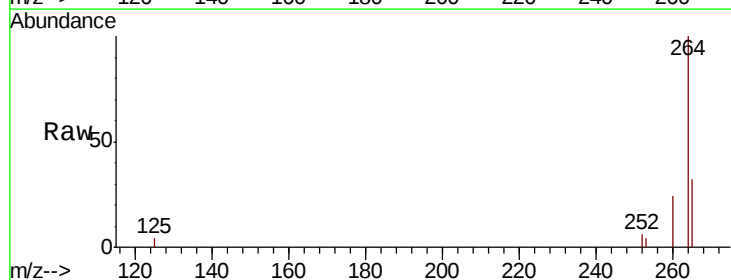
Instrument :
BNA_E
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tot Ion: 276 Resp: 3888
Ion Ratio Lower Upper
276 100
138 6.1 16.1 24.1#
277 8.5 18.1 27.1#



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.70 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BE101023.D
Acq: 10 Jan 2020 14:05

Tgt Ion: 264 Resp: 15456
Ion Ratio Lower Upper
264 100
260 23.7 20.3 30.5
265 31.6 27.0 40.4





#35

Benzo(b)fluoranthene

Concen: 0.063 ng

RT: 22.96 min Scan# 1945

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

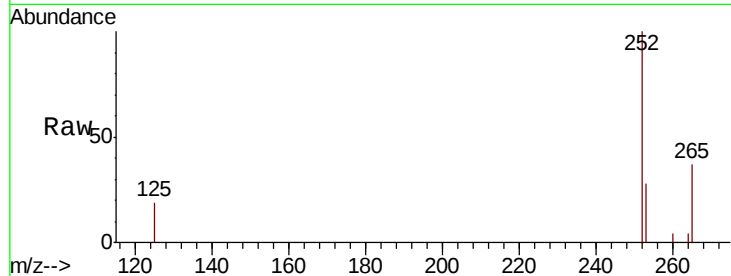
Tot Ion:252 Resp: 2711

Ion Ratio Lower Upper

252 100

253 28.1 18.5 27.7#

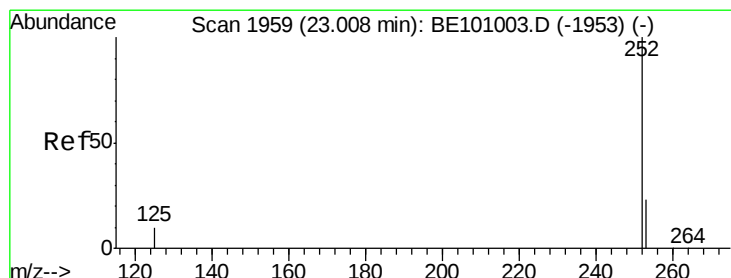
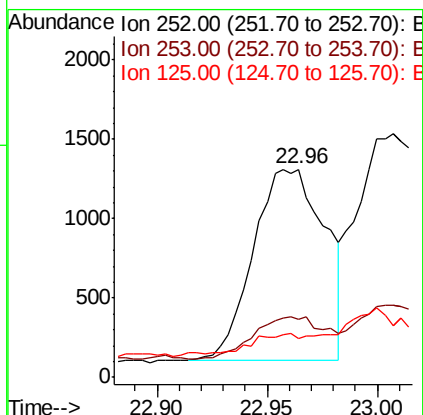
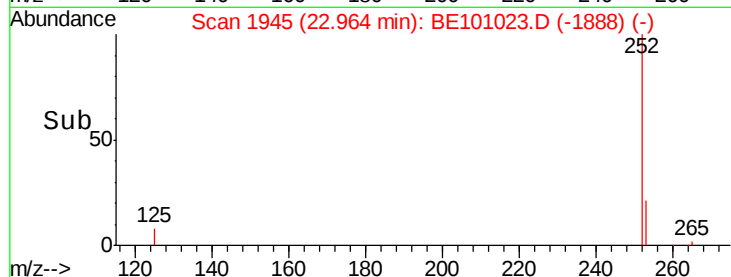
125 18.7 9.5 14.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.084 ng m

RT: 23.01 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

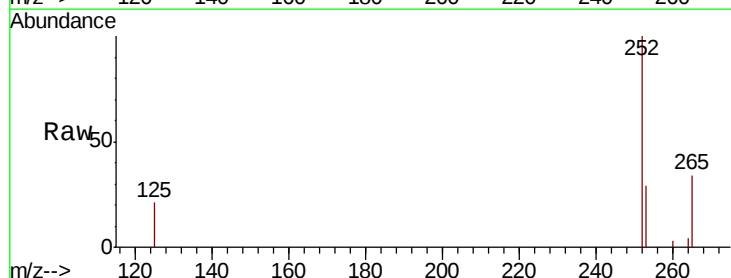
Tgt Ion:252 Resp: 5245

Ion Ratio Lower Upper

252 100

253 29.4 18.9 28.3#

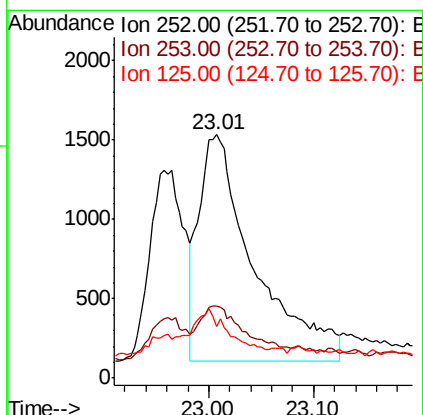
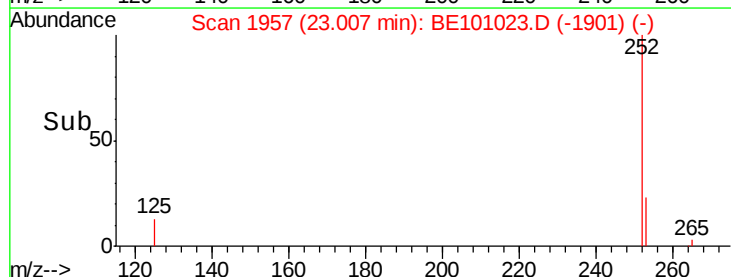
125 21.4 10.1 15.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.072 ng m

RT: 23.59 min Scan# 2121

Delta R.T. -0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

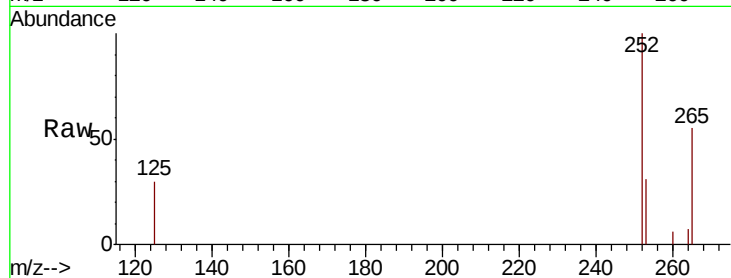
Tot Ion:252 Resp: 3019

Ion Ratio Lower Upper

252 100

253 31.3 19.4 29.2#

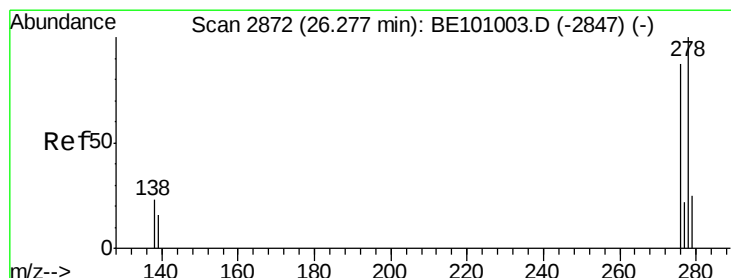
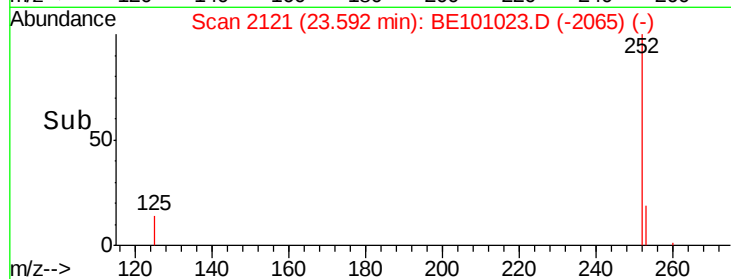
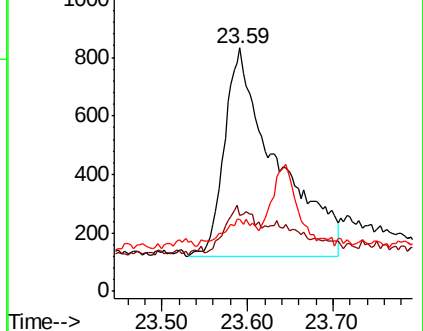
125 29.7 11.8 17.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.066 ng m

RT: 26.28 min Scan# 2871

Delta R.T. 0.00 min

Lab File: BE101023.D

Acq: 10 Jan 2020 14:05

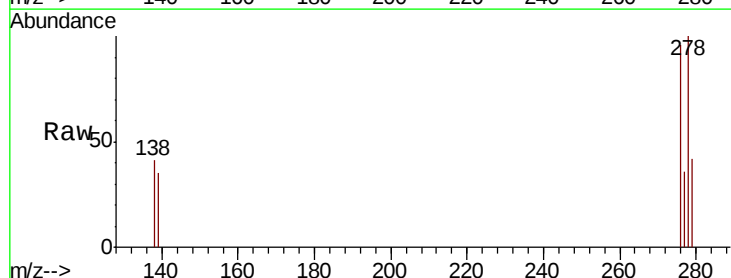
Tgt Ion:278 Resp: 2557

Ion Ratio Lower Upper

278 100

139 34.7 15.0 22.4#

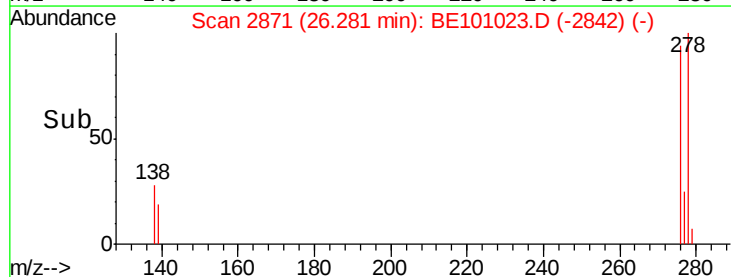
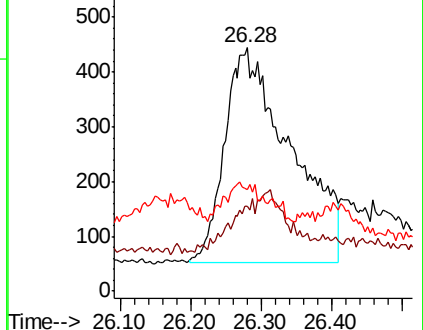
279 41.9 22.6 33.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.076 ng

RT: 27.02 min Scan# 3079

Delta R.T. -0.00 min

Lab File: BE101023.D

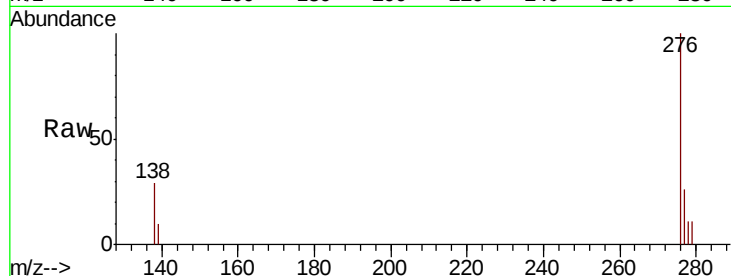
Acq: 10 Jan 2020 14:05

Instrument :

BNA_E

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019



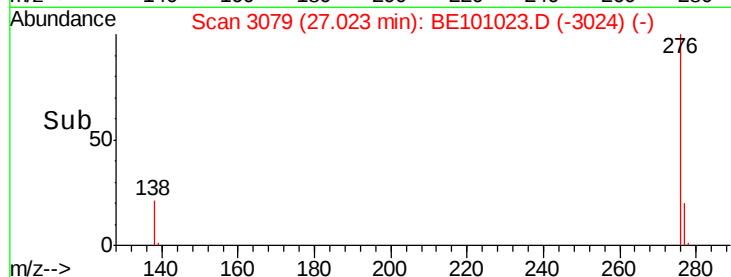
Tot Ion: 276 Resp: 3615

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.2

138 28.6 17.9 26.9#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

