

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032020\
 Data File : BN010310.D
 Acq On : 20 Mar 2020 15:13
 Operator : CG/JU
 Sample : L1161-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2020

Quant Time: Mar 20 16:13:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	3949	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	13532	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	8137	0.40	ng	0.00
19) Phenanthrene-d10	16.98	188	19676	0.40	ng	0.00
27) Chrysene-d12	21.19	240	20791	0.40	ng	0.00
34) Perylene-d12	23.36	264	20773	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	2924	0.37	ng	0.00
5) Phenol-d6	6.79	99	3651	0.38	ng	0.00
8) Nitrobenzene-d5	8.75	82	3226	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	7384	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.74	330	938	0.30	ng	0.00
15) 2-Fluorobiphenyl	12.86	172	11961	0.38	ng	0.00
25) Fluoranthene-d10	19.02	212	19969	0.34	ng	0.00
29) Terphenyl-d14	19.64	244	17587	0.39	ng	0.00

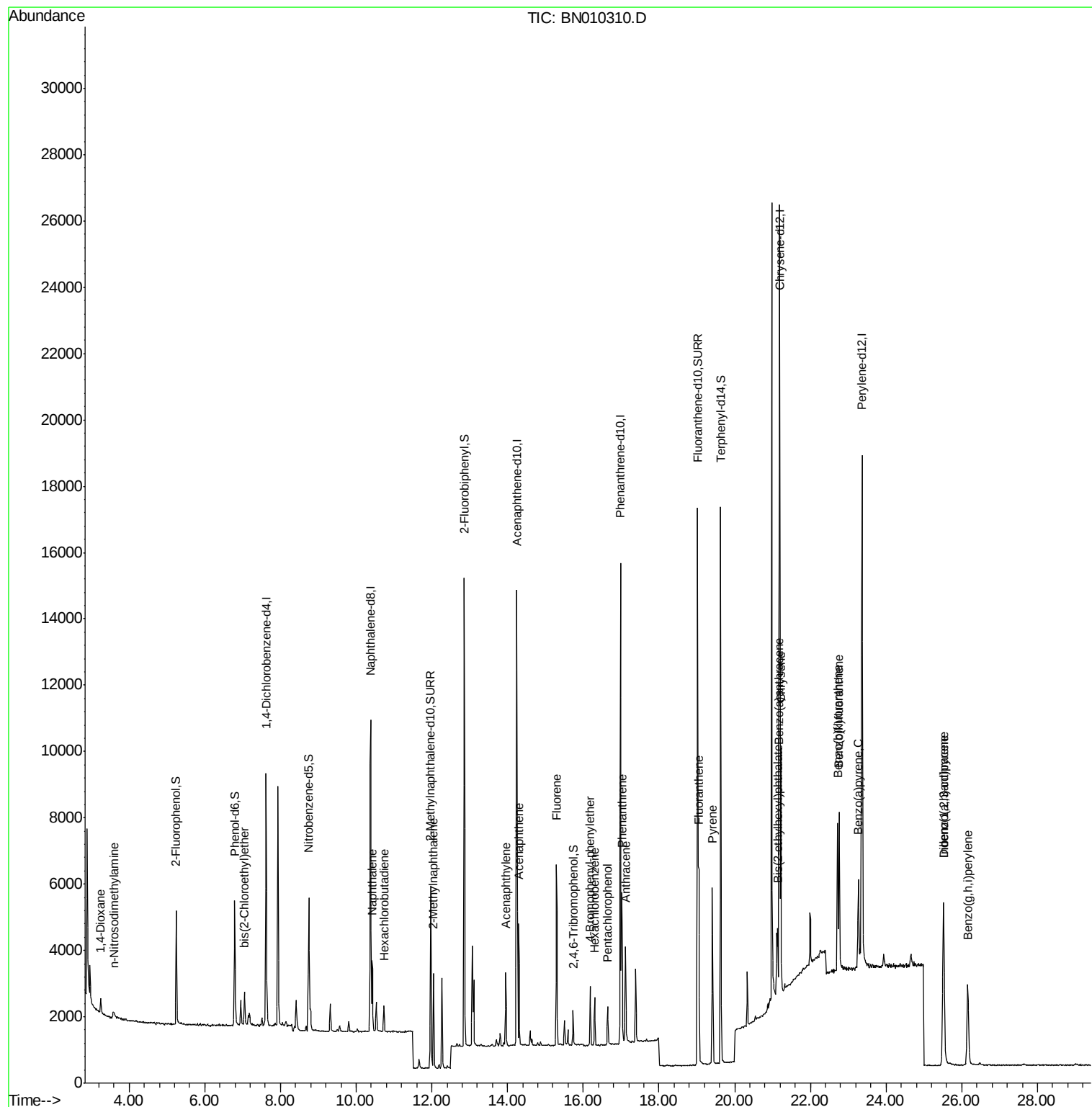
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	310	0.084	ng	96
3) n-Nitrosodimethylamine	3.60	42	243	0.078	ng	# 1
6) bis(2-Chloroethyl)ether	7.05	93	819	0.088	ng	96
9) Naphthalene	10.42	128	2901	0.086	ng	# 92
10) Hexachlorobutadiene	10.73	225	697	0.085	ng	# 98
12) 2-Methylnaphthalene	12.05	142	1996	0.085	ng	98
16) Acenaphthylene	13.95	152	2427	0.076	ng	99
17) Acenaphthene	14.30	154	1775	0.078	ng	95
18) Fluorene	15.29	166	2378	0.079	ng	99
20) 4-Bromophenyl-phenylether	16.18	248	873	0.073	ng	# 93
21) Hexachlorobenzene	16.30	284	1028	0.084	ng	98
22) Pentachlorophenol	16.64	266	700	0.167	ng	91
23) Phenanthrene	17.02	178	4338	0.080	ng	99
24) Anthracene	17.12	178	3470	0.075	ng	98
26) Fluoranthene	19.05	202	5279	0.080	ng	99
28) Pyrene	19.41	202	5175	0.080	ng	100
30) Benzo(a)anthracene	21.17	228	5242	0.079	ng	96
31) Chrysene	21.22	228	6026	0.085	ng	97
32) Bis(2-ethylhexyl)phthalate	21.13	149	1685	0.075	ng	97
33) Indeno(1,2,3-cd)pyrene	25.51	276	6101	0.080	ng	99
35) Benzo(b)fluoranthene	22.72	252	5678	0.080	ng	# 84
36) Benzo(k)fluoranthene	22.76	252	5769	0.080	ng	# 83
37) Benzo(a)pyrene	23.27	252	4173	0.070	ng	# 74
38) Dibenzo(a,h)anthracene	25.53	278	4997	0.078	ng	# 86
39) Benzo(g,h,i)perylene	26.16	276	5249	0.081	ng	93

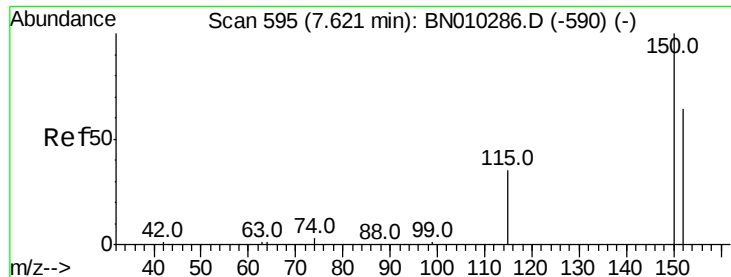
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. 0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

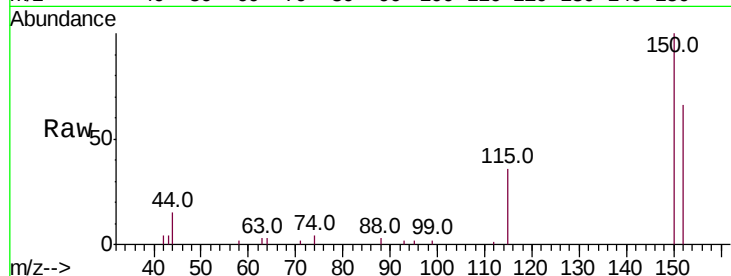
Tot Ion:152 Resp: 3949

Ion Ratio Lower Upper

152 100

150 152.4 123.1 184.7

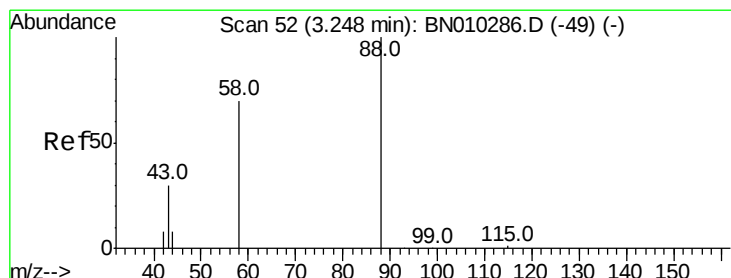
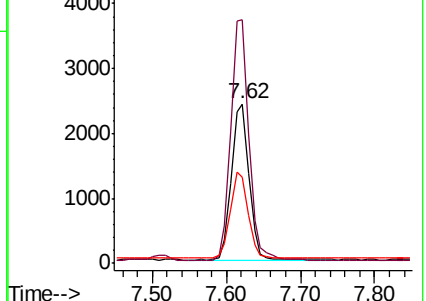
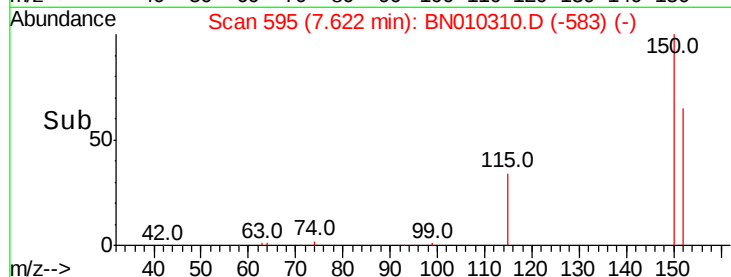
115 54.3 45.2 67.8



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: 0.084 ng

RT: 3.25 min Scan# 52

Delta R.T. 0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

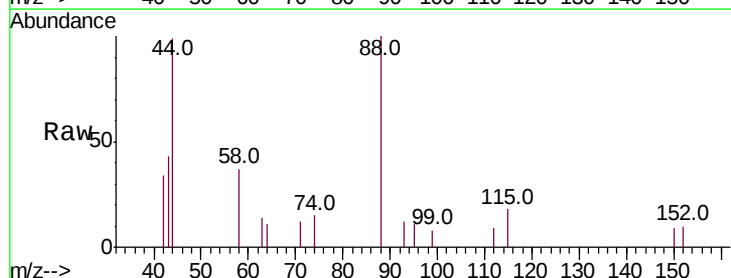
Tgt Ion: 88 Resp: 310

Ion Ratio Lower Upper

88 100

58 67.1 51.7 77.5

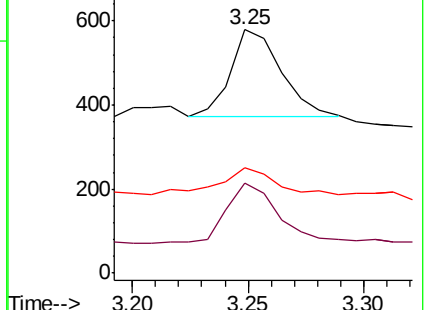
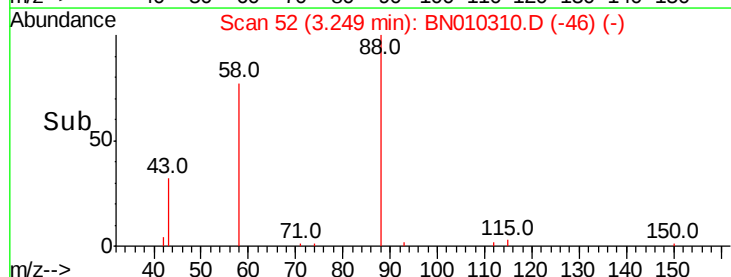
43 30.0 21.2 31.8

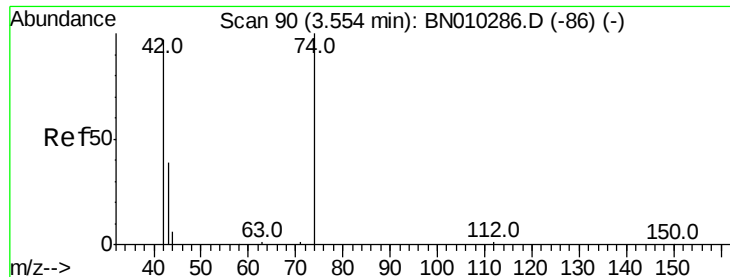


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.078 ng

RT: 3.60 min Scan# 96

Delta R.T. 0.05 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

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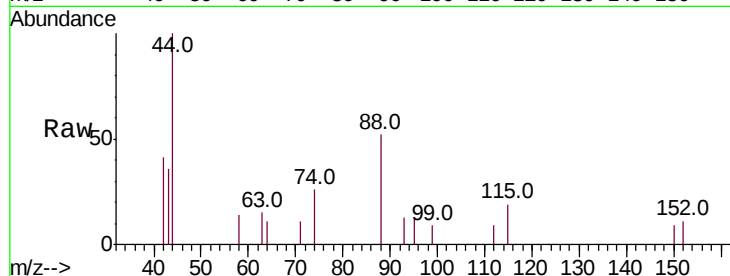
Tot Ion: 42 Resp: 243

Ion Ratio Lower Upper

42 100

74 0.0 99.4 149.0#

44 0.0 4.8 7.2#

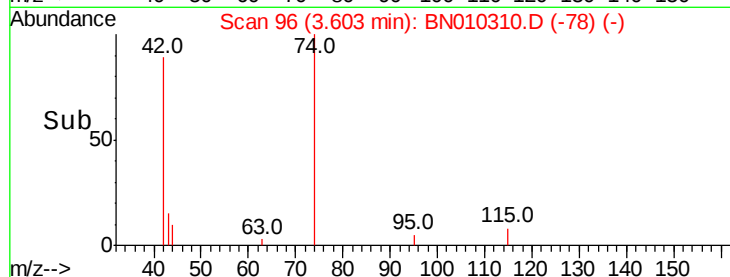


Abundance Ion 42.00 (41.70 to 42.70): BN010310.D (-78) (-)

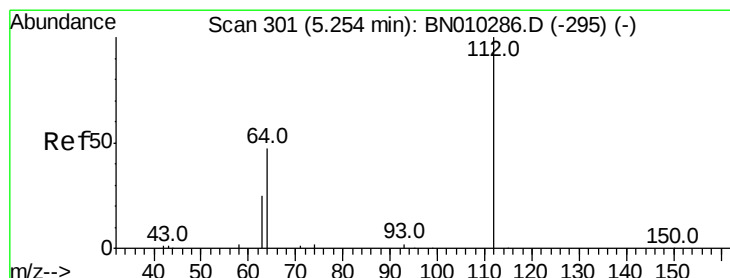
Ion 74.00 (73.70 to 74.70): BN010310.D (-78) (-)

Ion 44.00 (43.70 to 44.70): BN010310.D (-78) (-)

Time--> 3.50 3.55 3.60



Time--> 3.50 3.55 3.60



#4

2-Fluorophenol

Concen: 0.374 ng

RT: 5.25 min Scan# 300

Delta R.T. -0.01 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

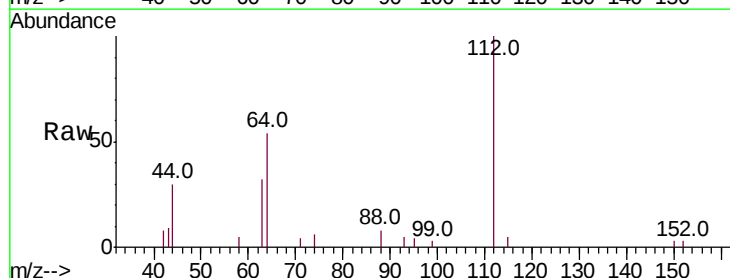
Tgt Ion: 112 Resp: 2924

Ion Ratio Lower Upper

112 100

64 51.3 41.4 62.2

63 28.0 22.9 34.3

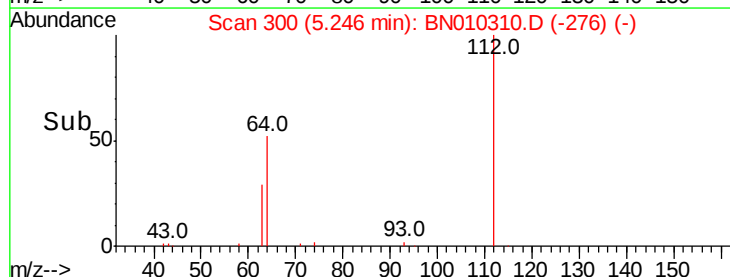


Abundance Ion 112.00 (111.70 to 112.70): BN010310.D (-276) (-)

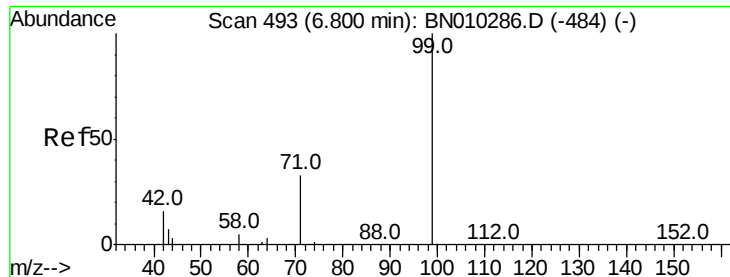
Ion 64.00 (63.70 to 64.70): BN010310.D (-276) (-)

Ion 63.00 (62.70 to 63.70): BN010310.D (-276) (-)

Time--> 5.10 5.20 5.30 5.40



Time--> 5.10 5.20 5.30 5.40



#5

Phenol-d6

Concen: 0.376 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

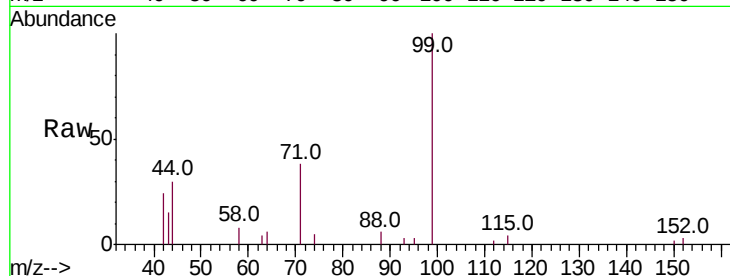
Tot Ion: 99 Resp: 3651

Ion Ratio Lower Upper

99 100

42 18.5 14.8 22.2

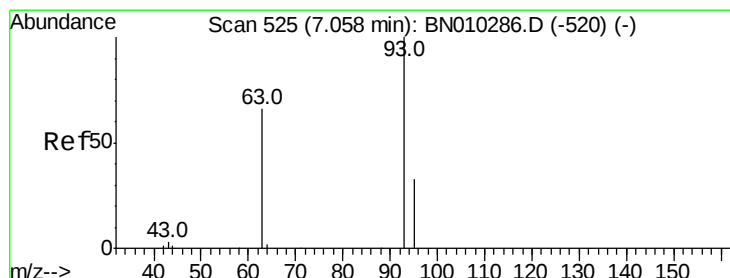
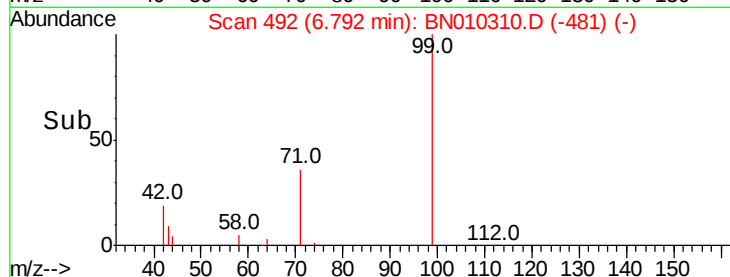
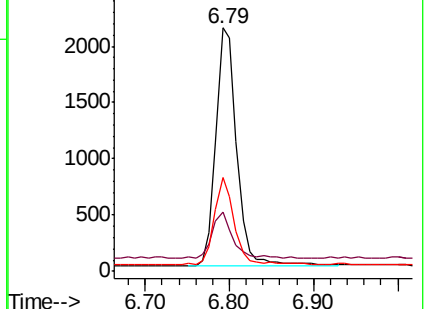
71 34.5 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BN010310.D (-484) (-)

Ion 42.00 (41.70 to 42.70): BN010310.D (-484) (-)

Ion 71.00 (70.70 to 71.70): BN010310.D (-484) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.088 ng

RT: 7.05 min Scan# 524

Delta R.T. -0.01 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

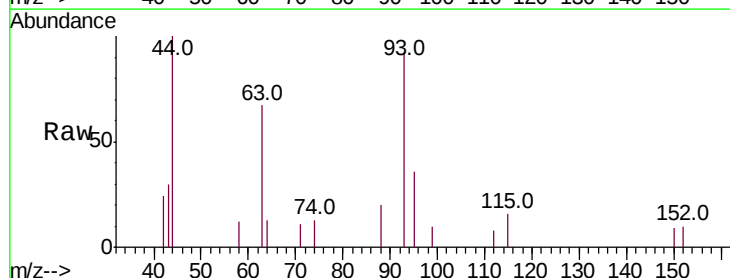
Tgt Ion: 93 Resp: 819

Ion Ratio Lower Upper

93 100

63 66.7 55.6 83.4

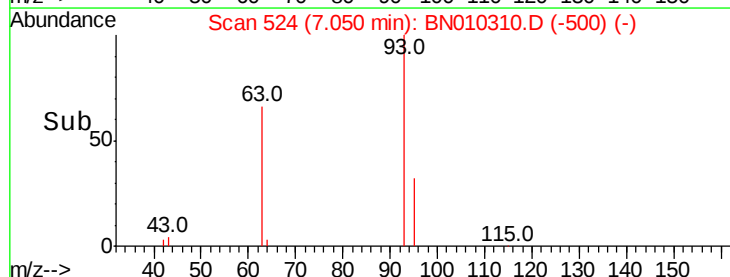
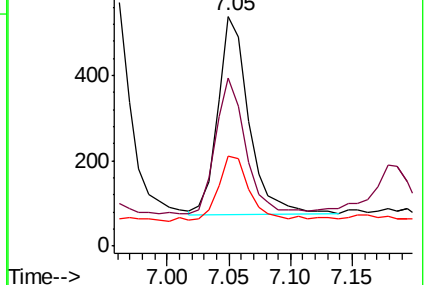
95 35.4 26.2 39.4

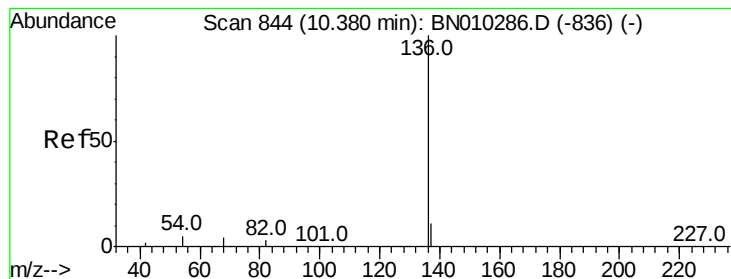


Abundance Ion 93.00 (92.70 to 93.70): BN010310.D (-500) (-)

Ion 63.00 (62.70 to 63.70): BN010310.D (-500) (-)

Ion 95.00 (94.70 to 95.70): BN010310.D (-500) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

Tot Ion:136 Resp: 13532

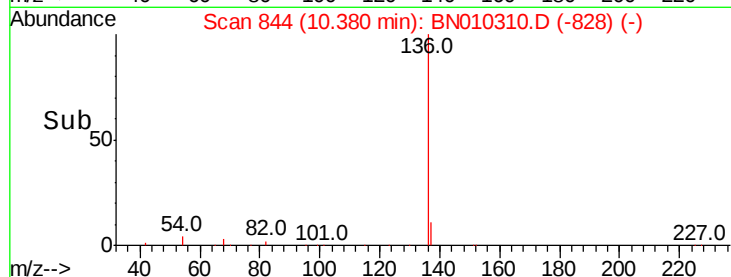
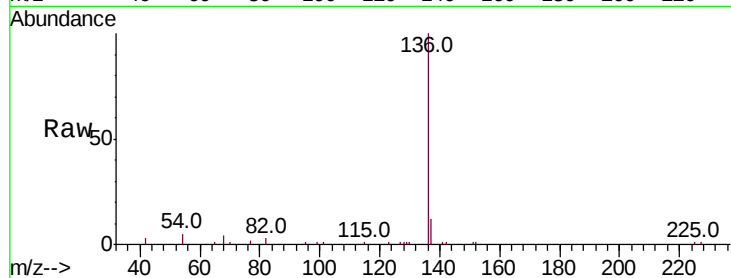
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 4.7 4.8 7.2#

68 4.1 4.1 6.1

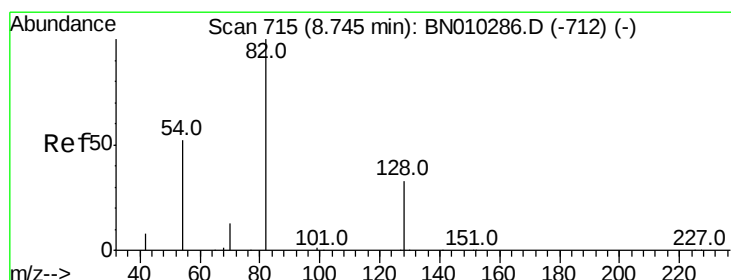
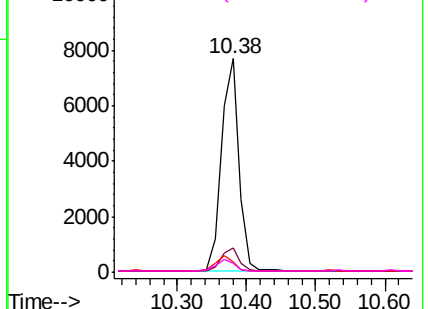


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.372 ng

RT: 8.75 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

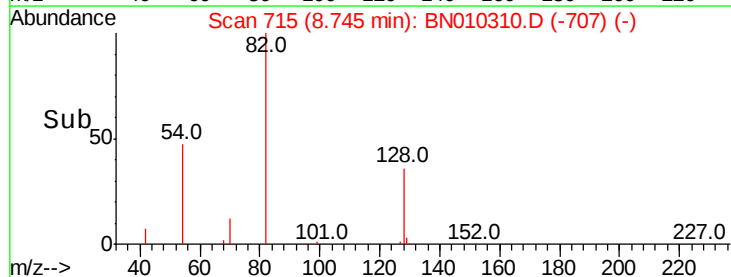
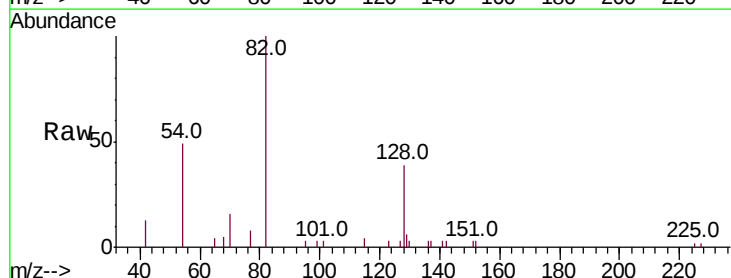
Tgt Ion: 82 Resp: 3226

Ion Ratio Lower Upper

82 100

128 38.9 28.8 43.2

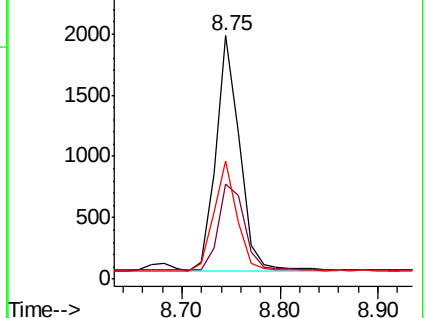
54 48.7 42.1 63.1

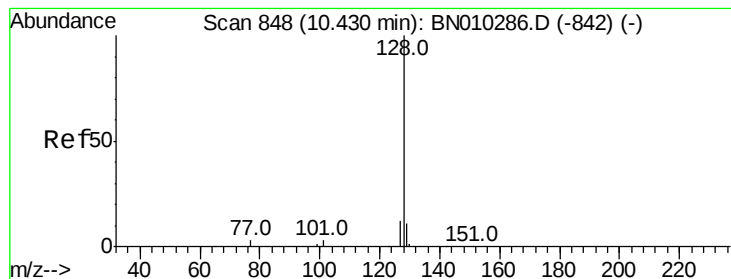


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.086 ng

RT: 10.42 min Scan# 847

Delta R.T. -0.01 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

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ClientSampleId :

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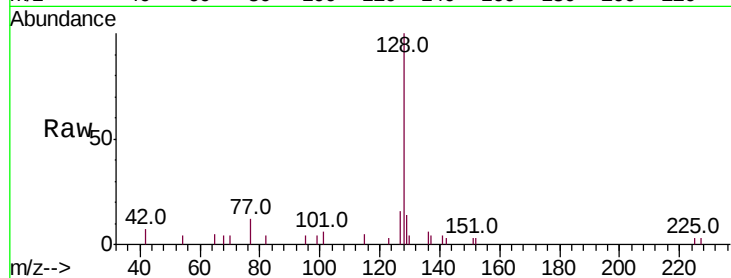
Tot Ion:128 Resp: 2901

Ion Ratio Lower Upper

128 100

129 14.3 9.1 13.7#

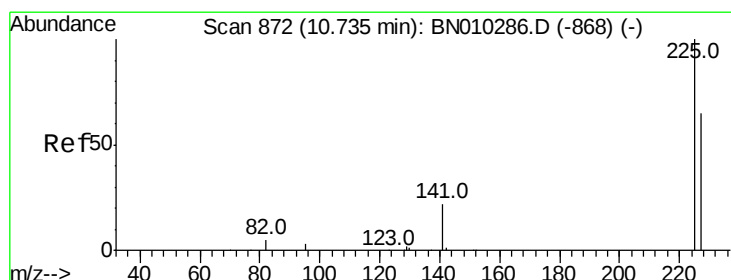
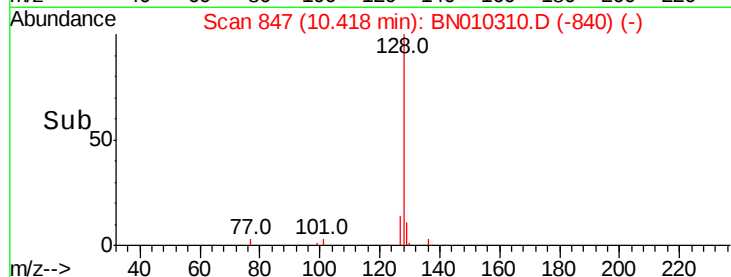
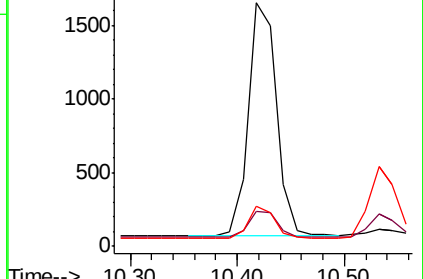
127 16.3 10.4 15.6#



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: 0.085 ng

RT: 10.73 min Scan# 872

Delta R.T. 0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

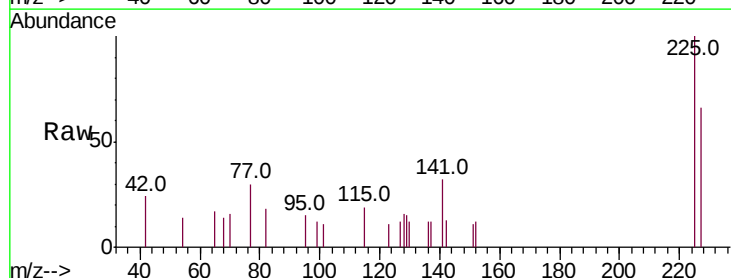
Tgt Ion:225 Resp: 697

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

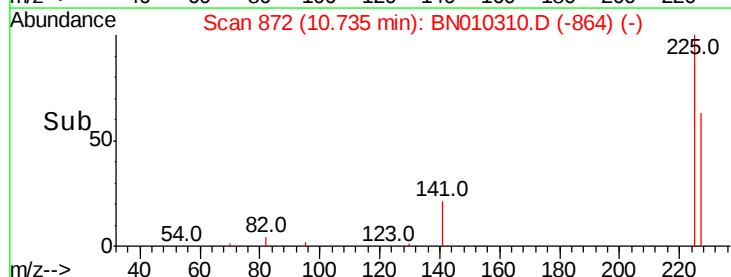
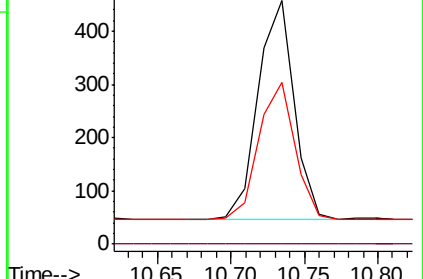
227 63.6 51.9 77.9

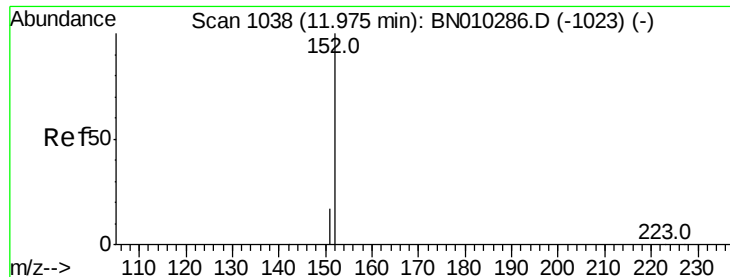


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.342 ng

RT: 11.97 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

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ClientSampleId :

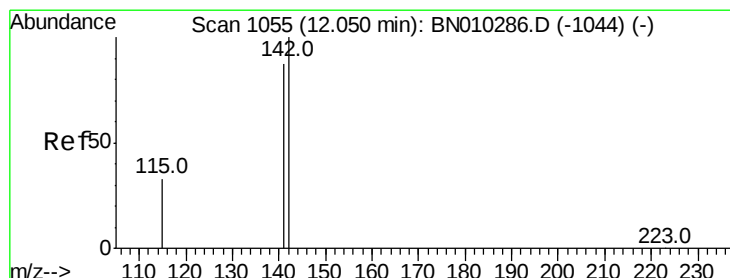
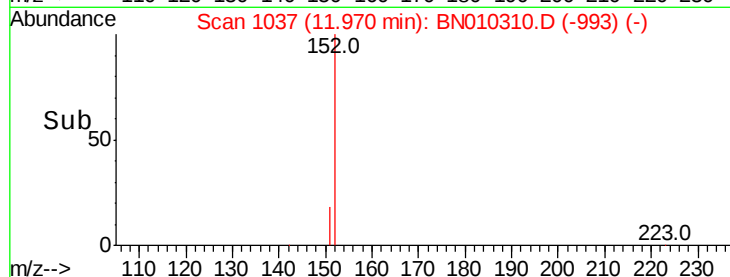
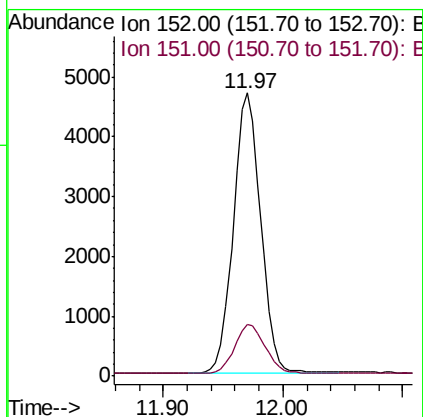
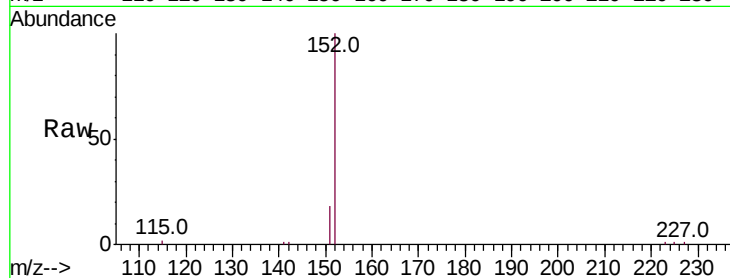
MDL-WATER-03-QT1-2020

Tot Ion:152 Resp: 7384

Ion Ratio Lower Upper

152 100

151 19.1 15.4 23.2



#12

2-Methylnaphthalene

Concen: 0.085 ng

RT: 12.05 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

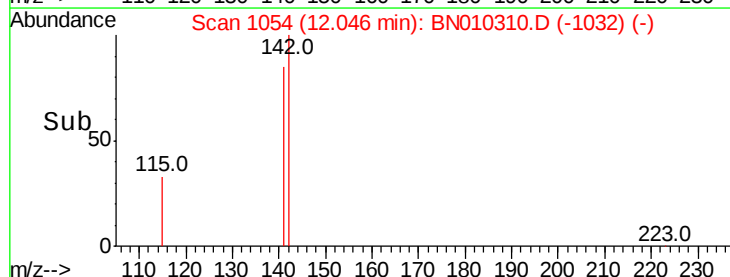
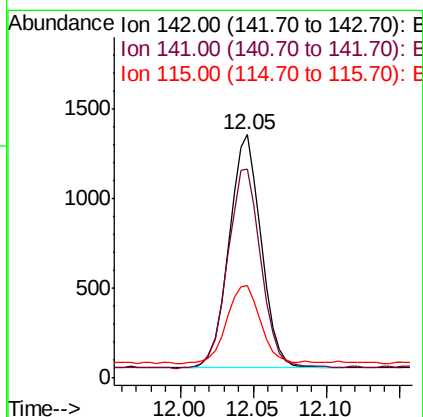
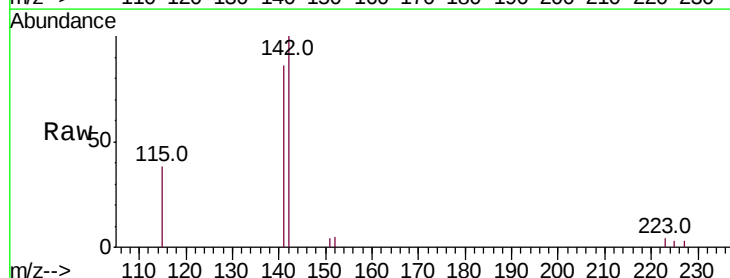
Tgt Ion:142 Resp: 1996

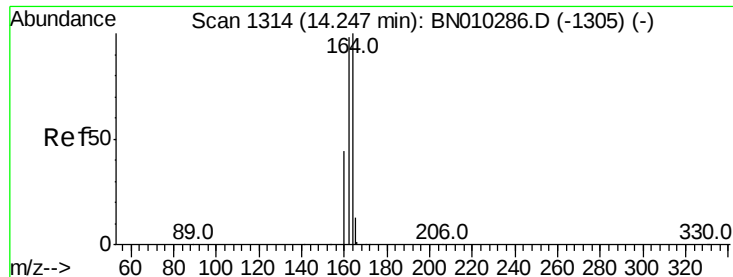
Ion Ratio Lower Upper

142 100

141 86.1 69.5 104.3

115 38.0 27.5 41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

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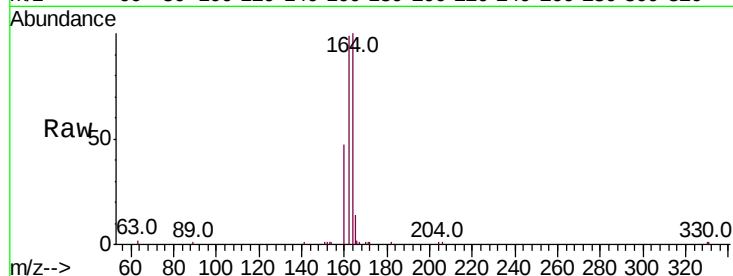
Tot Ion:164 Resp: 8137

Ion Ratio Lower Upper

164 100

162 98.9 78.2 117.2

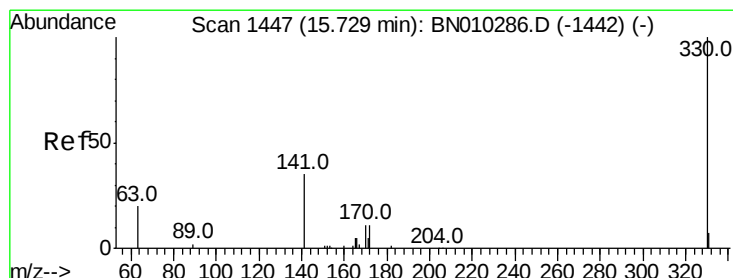
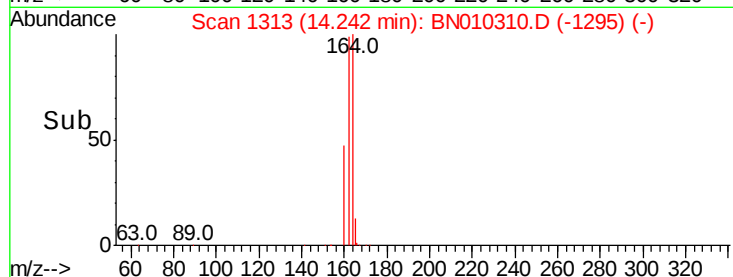
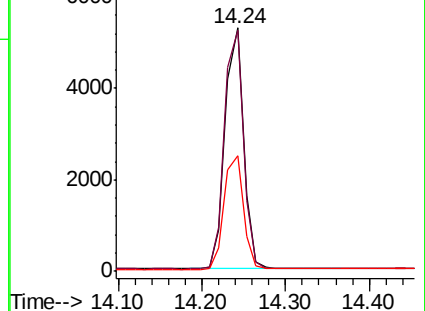
160 47.2 35.8 53.6



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: 0.300 ng

RT: 15.74 min Scan# 1447

Delta R.T. 0.01 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

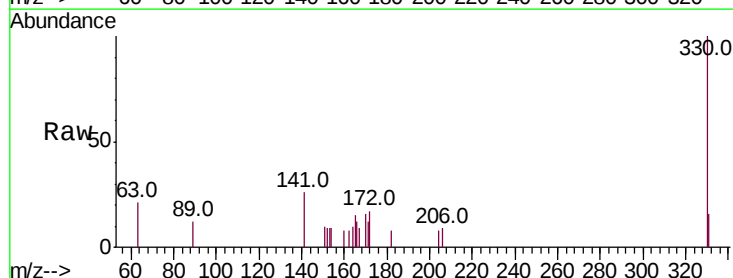
Tgt Ion:330 Resp: 938

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

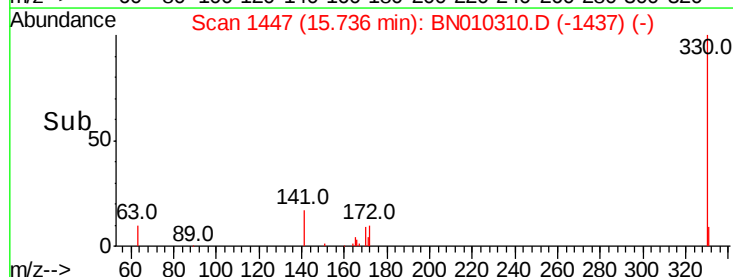
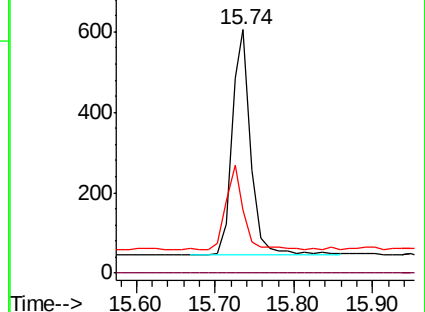
141 36.6 29.3 43.9

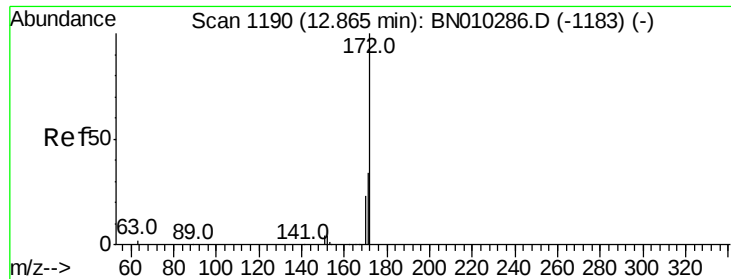


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

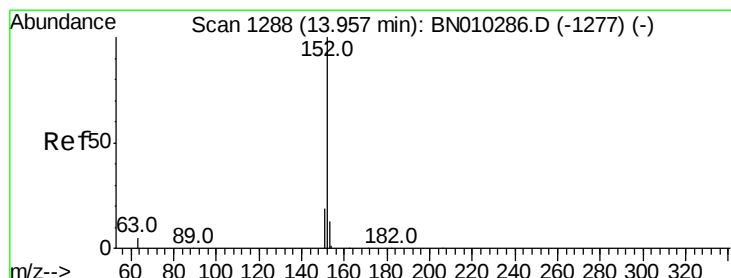
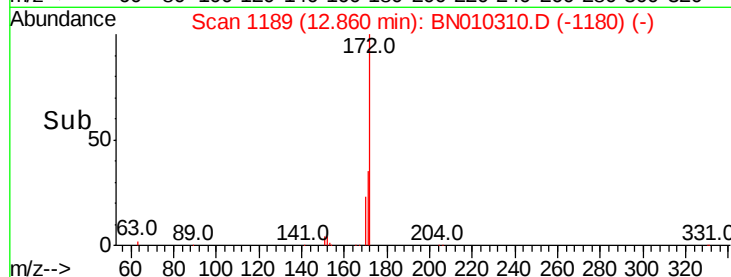
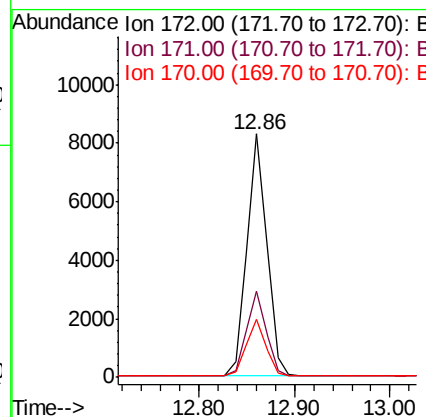
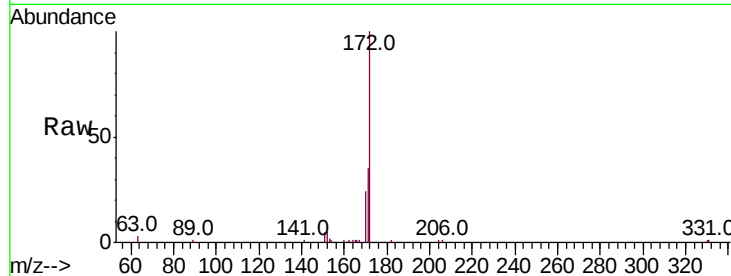




#15
2-Fluorobiphenyl
Concen: 0.384 ng
RT: 12.86 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

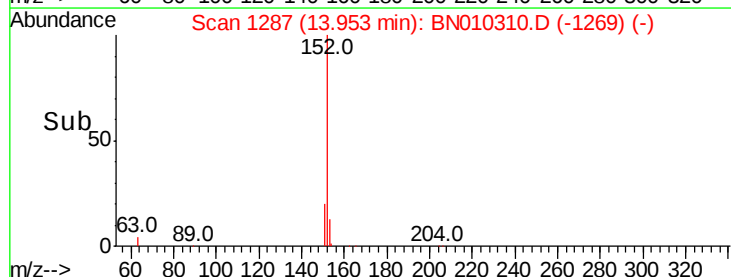
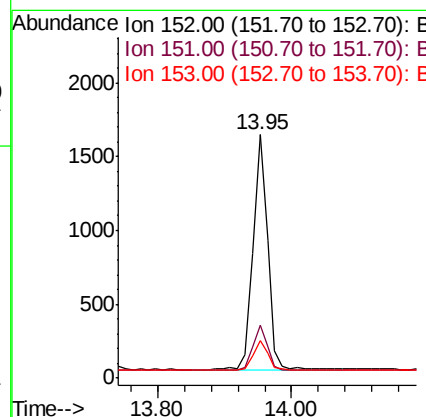
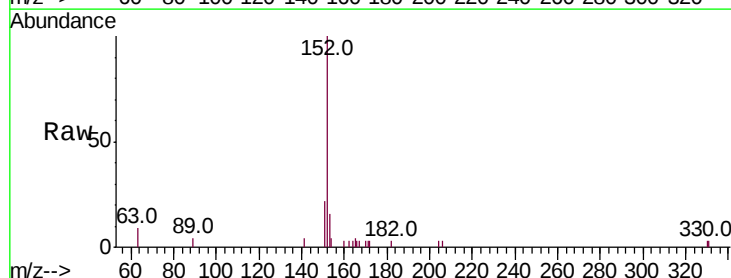
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

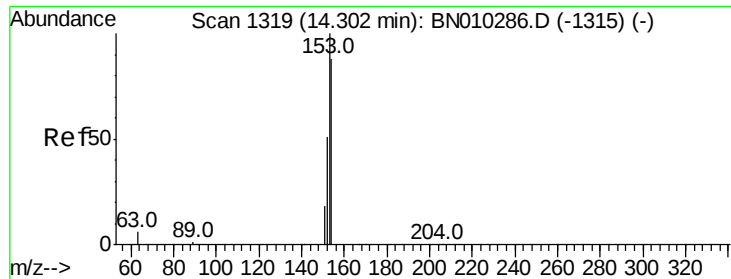
Tot Ion:172 Resp: 11961
Ion Ratio Lower Upper
172 100
171 35.2 27.6 41.4
170 23.6 18.5 27.7



#16
Acenaphthylene
Concen: 0.076 ng
RT: 13.95 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:152 Resp: 2427
Ion Ratio Lower Upper
152 100
151 18.7 15.6 23.4
153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 0.078 ng

RT: 14.30 min Scan# 1318

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

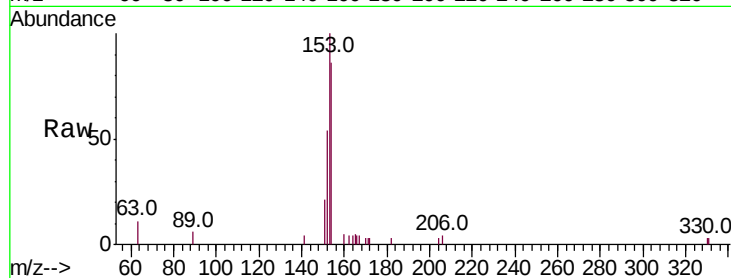
Tot Ion:154 Resp: 1775

Ion Ratio Lower Upper

154 100

153 115.7 88.1 132.1

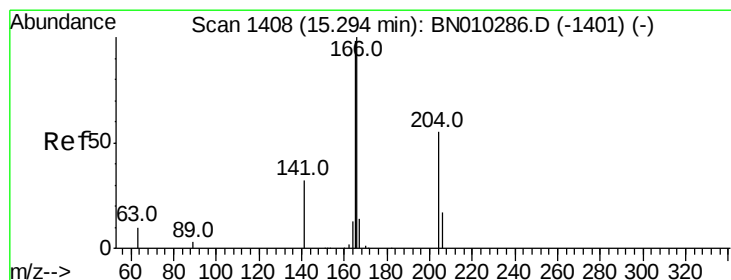
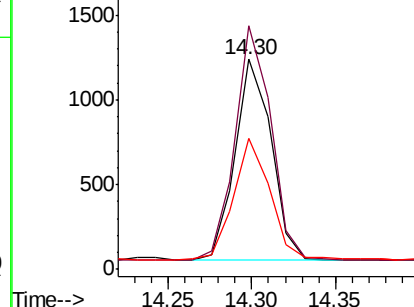
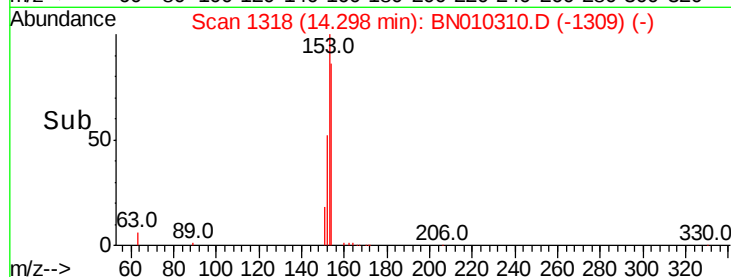
152 61.0 45.5 68.3



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: 0.079 ng

RT: 15.29 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

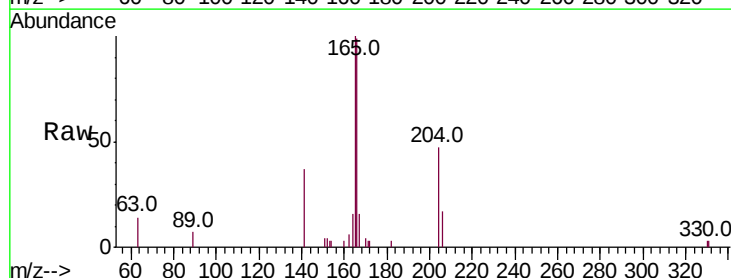
Tgt Ion:166 Resp: 2378

Ion Ratio Lower Upper

166 100

165 99.2 78.7 118.1

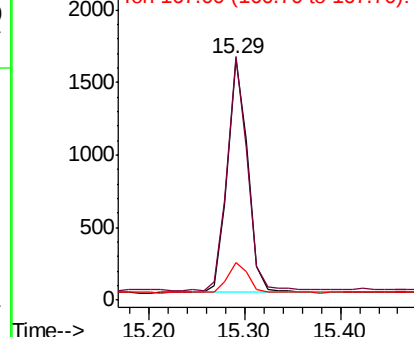
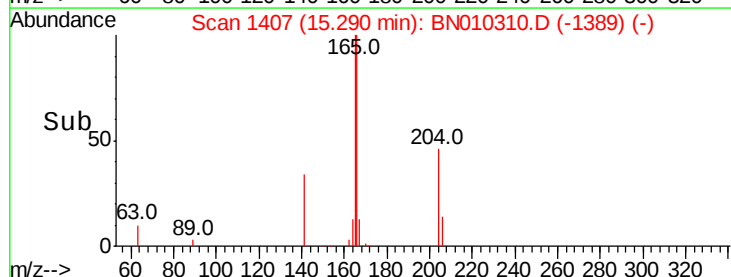
167 13.4 11.0 16.4

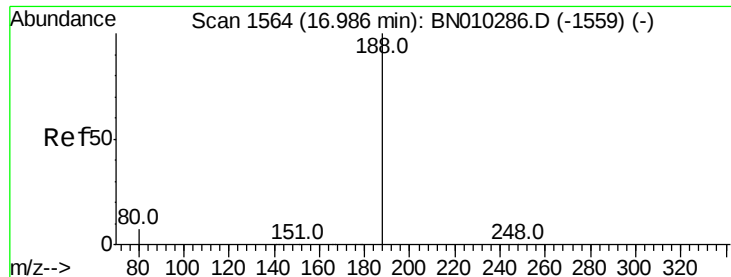


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.98 min Scan# 1563

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

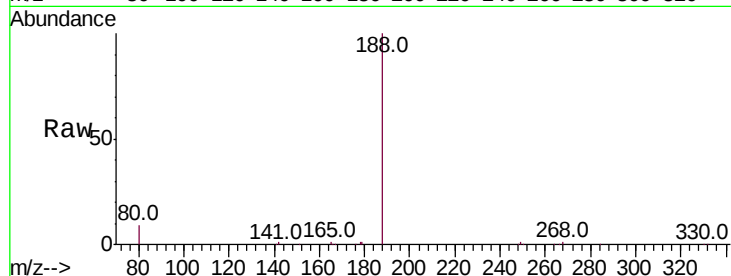
Tot Ion:188 Resp: 19676

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

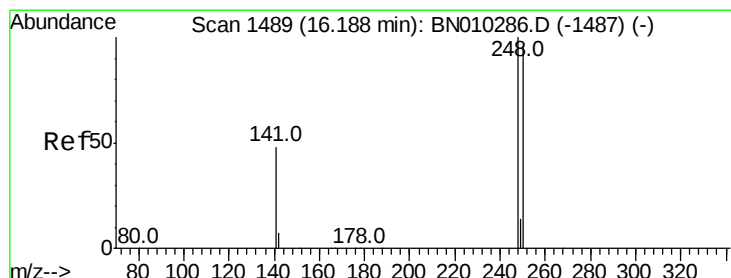
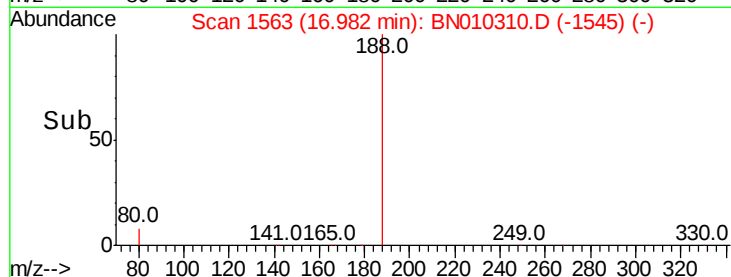
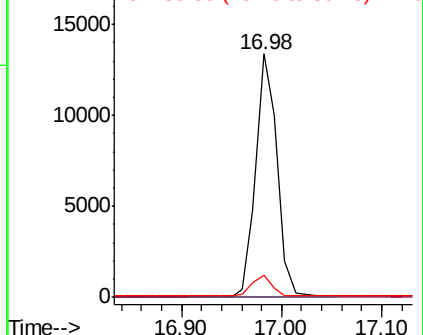
80 8.9 6.0 9.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.073 ng

RT: 16.18 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

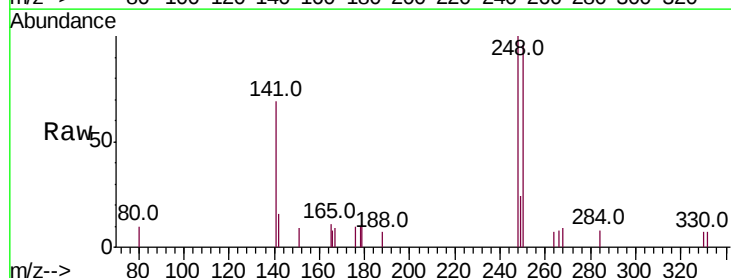
Tgt Ion:248 Resp: 873

Ion Ratio Lower Upper

248 100

250 96.1 76.8 115.2

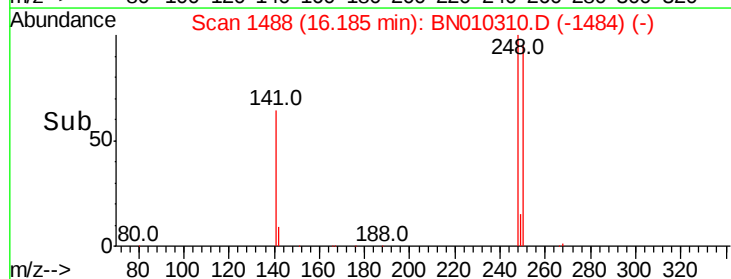
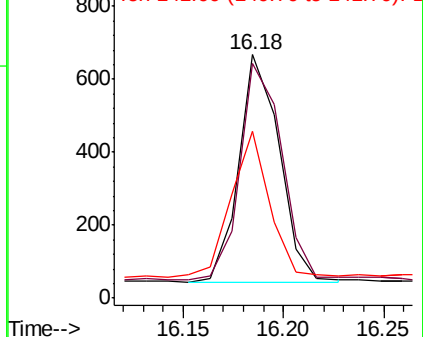
141 68.6 44.4 66.6#

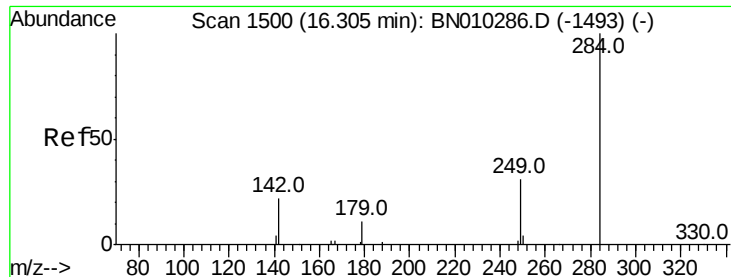


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.084 ng

RT: 16.30 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

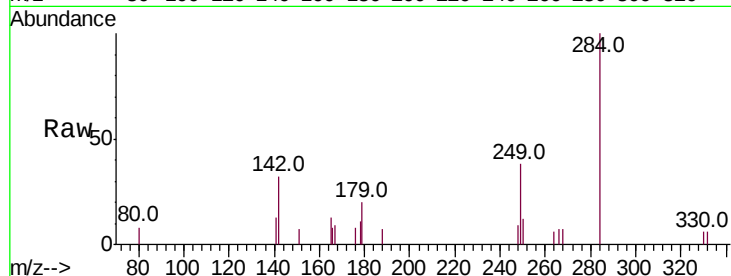
Tot Ion:284 Resp: 1028

Ion Ratio Lower Upper

284 100

142 33.4 27.4 41.2

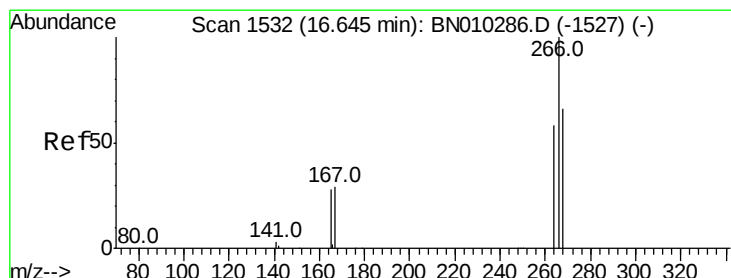
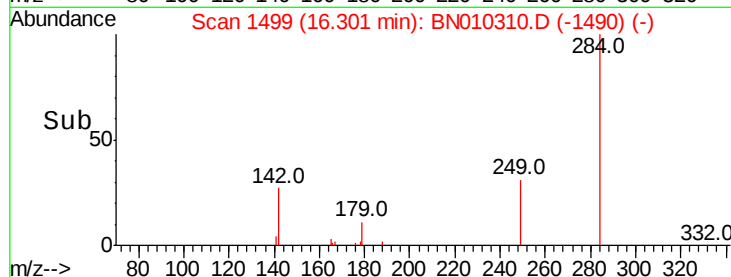
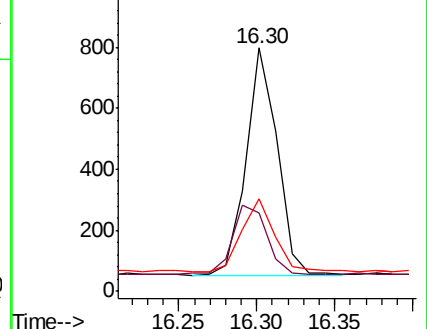
249 34.1 26.5 39.7



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: 0.167 ng

RT: 16.64 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

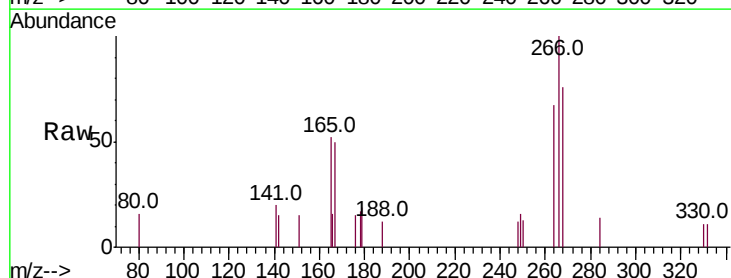
Tgt Ion:266 Resp: 700

Ion Ratio Lower Upper

266 100

264 66.6 47.7 71.5

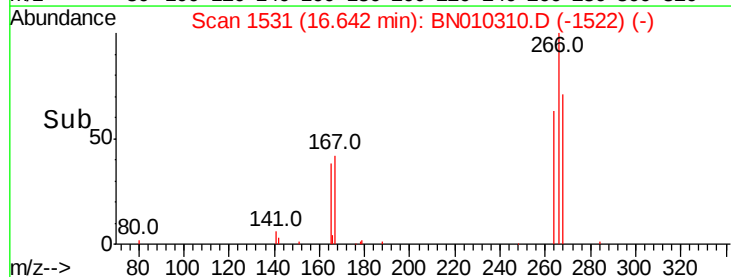
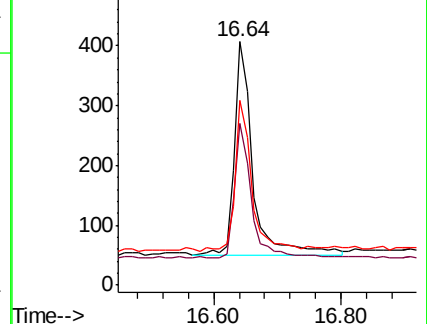
268 76.2 54.9 82.3

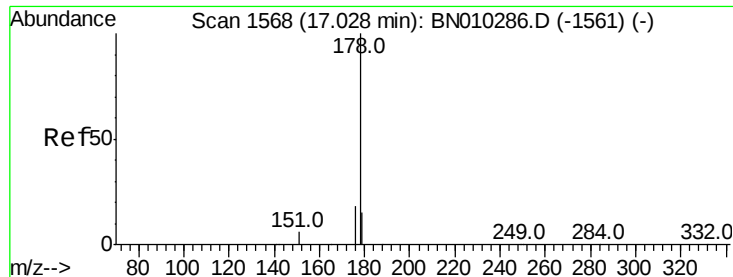


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.080 ng

RT: 17.02 min Scan# 1567

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

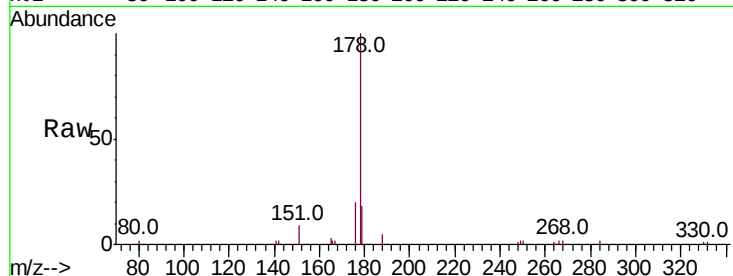
Tot Ion:178 Resp: 4338

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

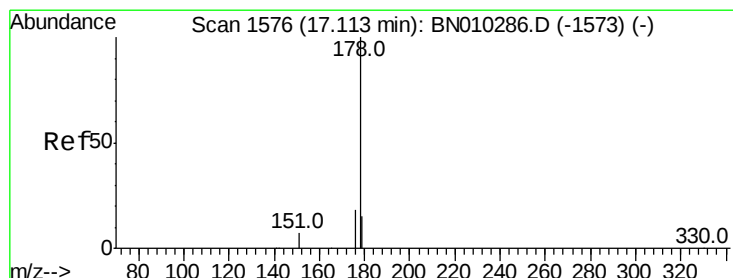
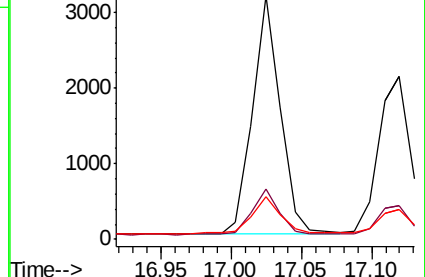
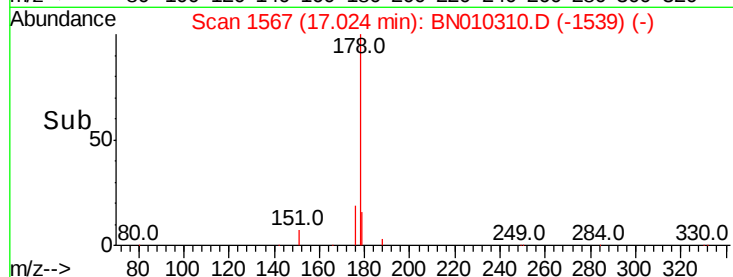
179 16.3 12.4 18.6



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



#24

Anthracene

Concen: 0.075 ng

RT: 17.12 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

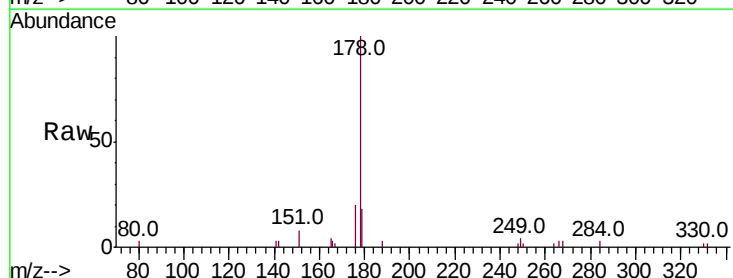
Tgt Ion:178 Resp: 3470

Ion Ratio Lower Upper

178 100

176 17.2 14.5 21.7

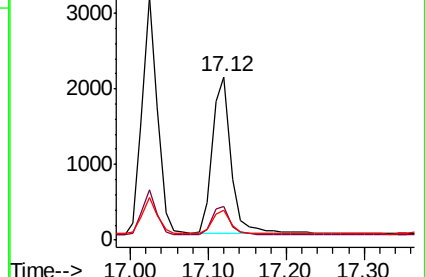
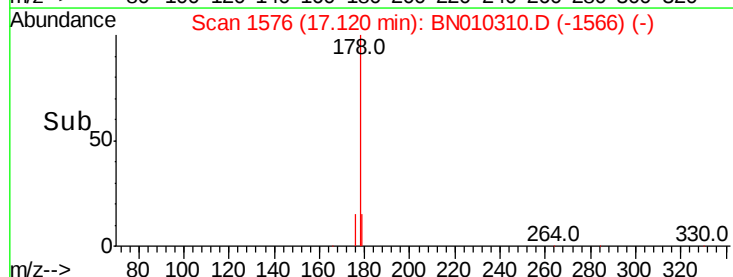
179 15.0 12.3 18.5

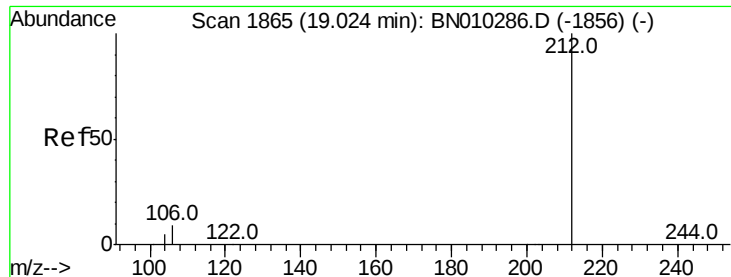


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.337 ng

RT: 19.02 min Scan# 1863

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

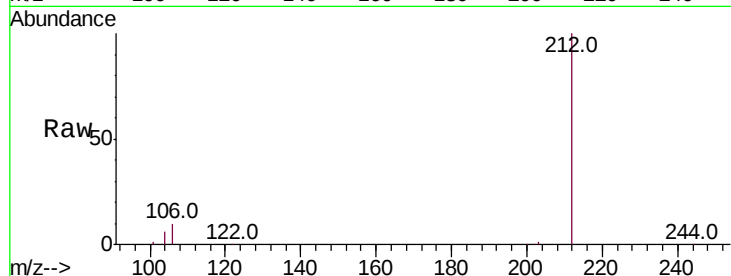
Tot Ion:212 Resp: 19969

Ion Ratio Lower Upper

212 100

106 9.4 7.4 11.2

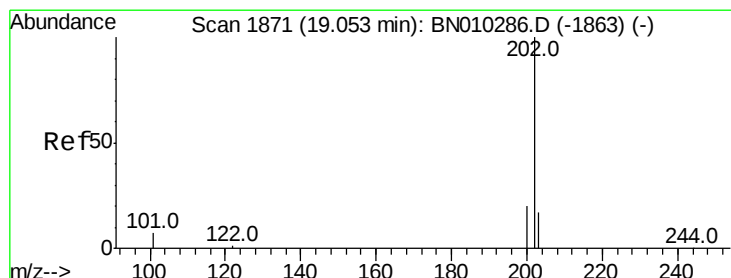
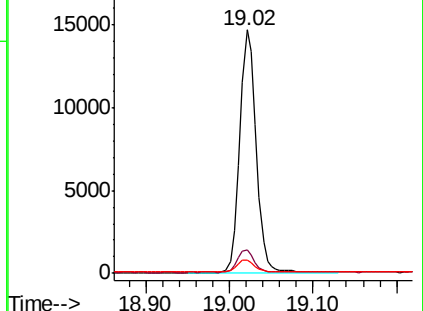
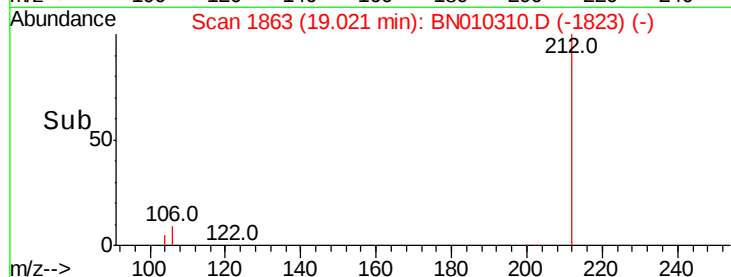
104 5.3 4.2 6.4



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: 0.080 ng

RT: 19.05 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

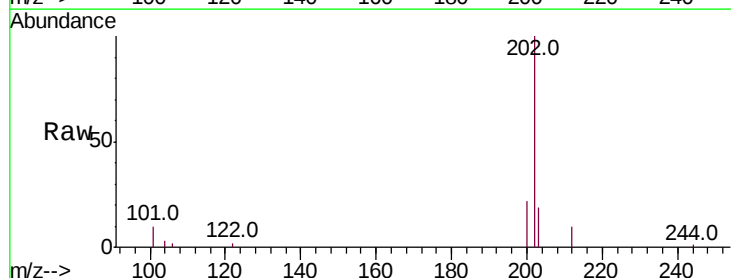
Tgt Ion:202 Resp: 5279

Ion Ratio Lower Upper

202 100

101 8.4 6.6 9.8

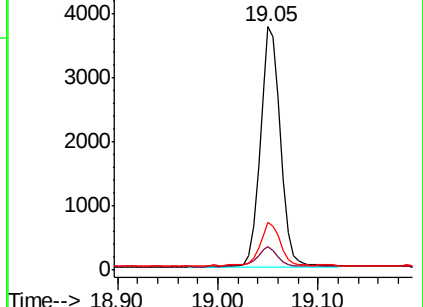
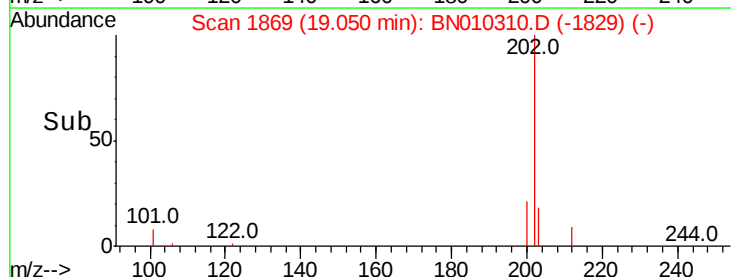
203 17.6 13.8 20.8

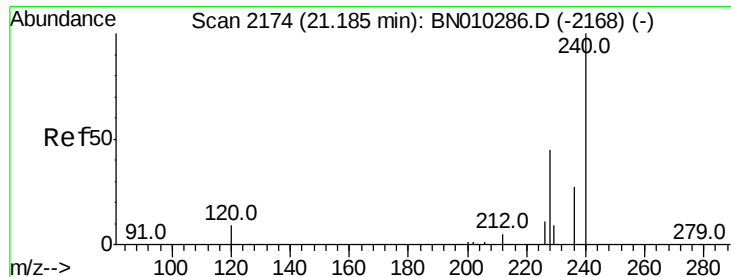


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

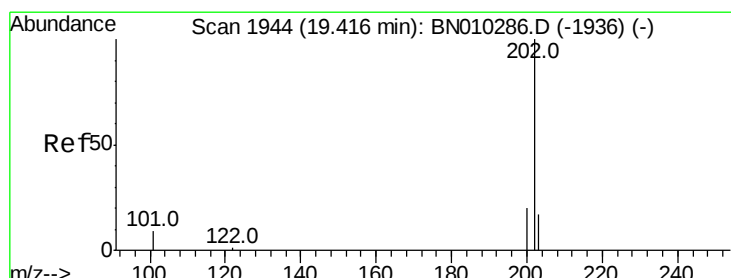
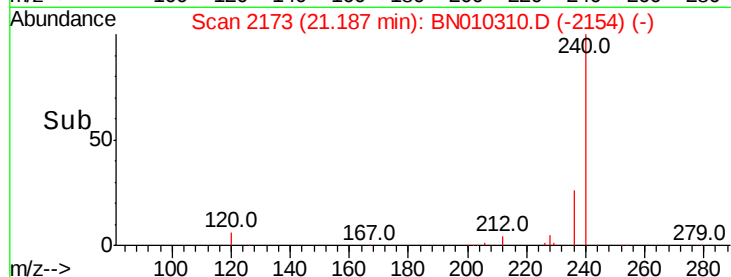
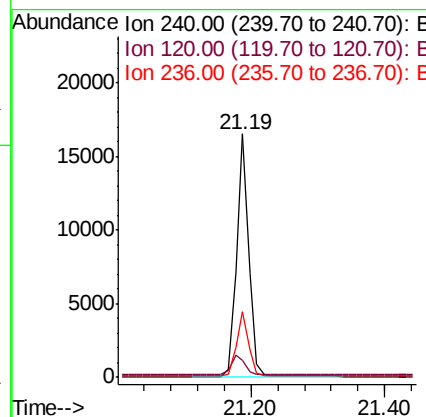
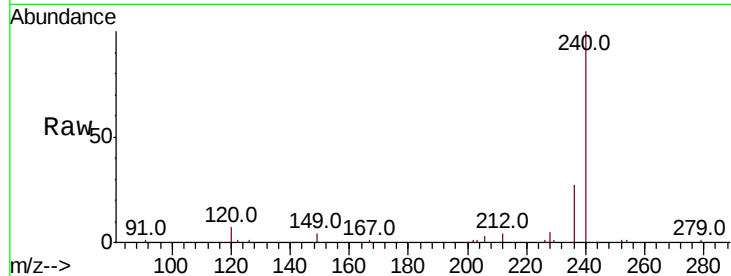




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

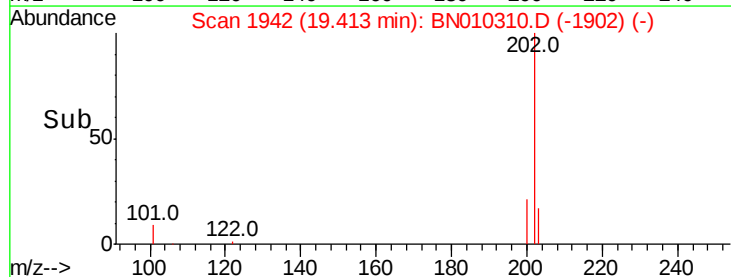
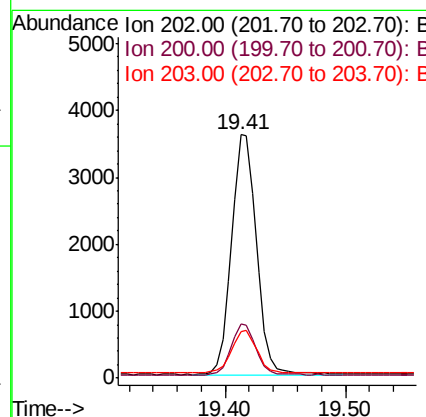
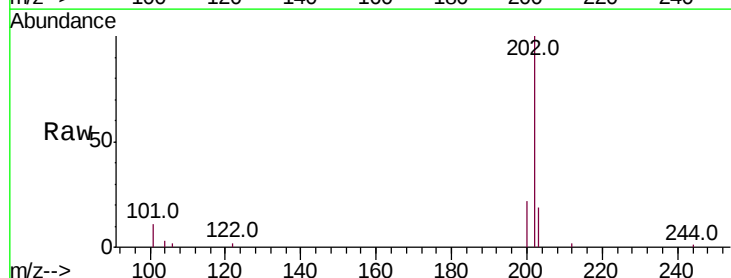
Instrument :
BNA_N
ClientSampleId :
MDL-WATER-03-QT1-2020

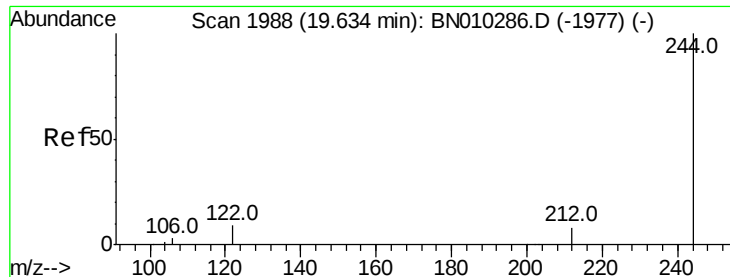
Tot Ion:240 Resp: 20791
Ion Ratio Lower Upper
240 100
120 6.8 7.9 11.9#
236 26.8 22.2 33.4



#28
Pyrene
Concen: 0.080 ng
RT: 19.41 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BN010310.D
Acq: 20 Mar 2020 15:13

Tgt Ion:202 Resp: 5175
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 17.6 14.2 21.2





#29

Terphenyl-d14

Concen: 0.392 ng

RT: 19.64 min Scan# 1987

Delta R.T. 0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

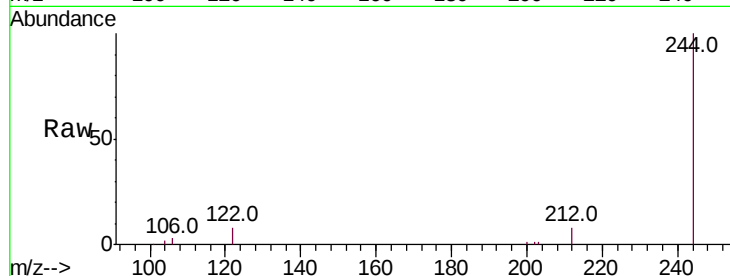
Tot Ion:244 Resp: 17587

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

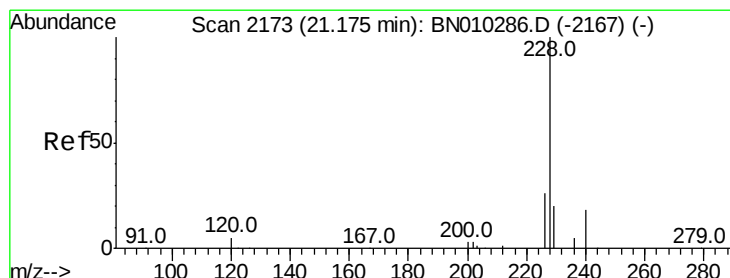
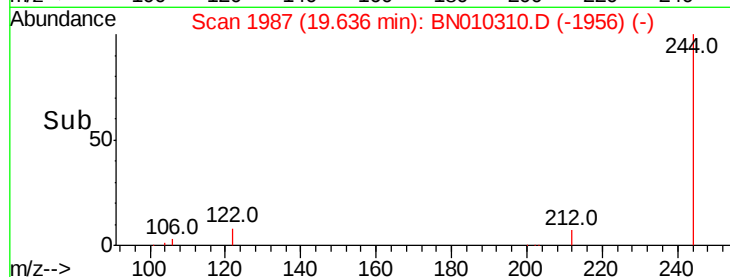
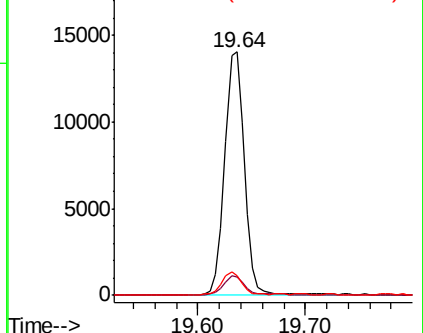
122 8.2 7.6 11.4



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: 0.079 ng

RT: 21.17 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

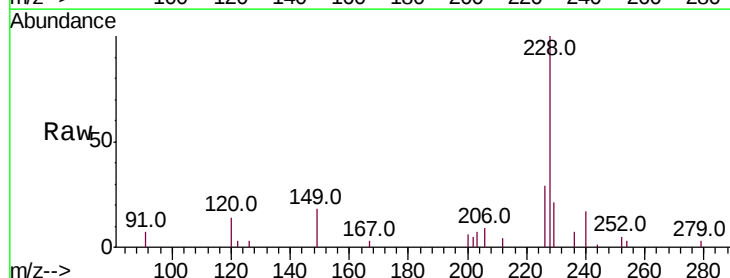
Tgt Ion:228 Resp: 5242

Ion Ratio Lower Upper

228 100

226 29.2 21.0 31.4

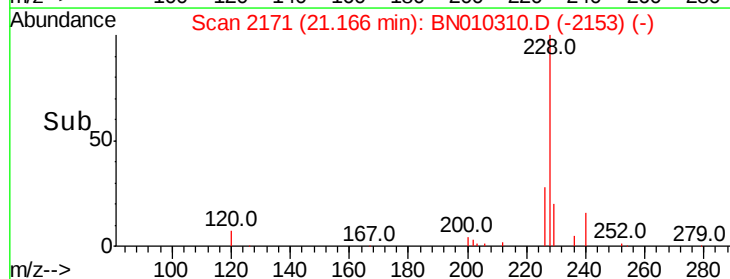
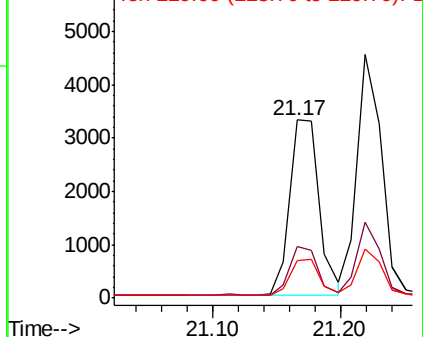
229 20.8 16.0 24.0

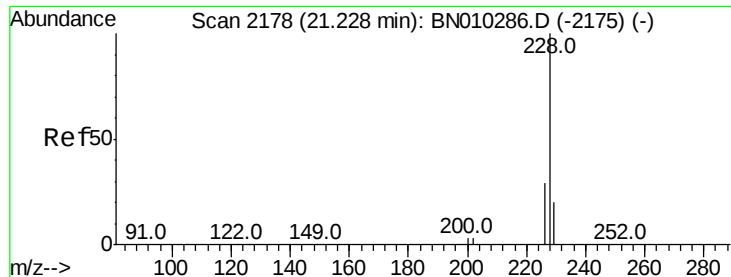


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.085 ng

RT: 21.22 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

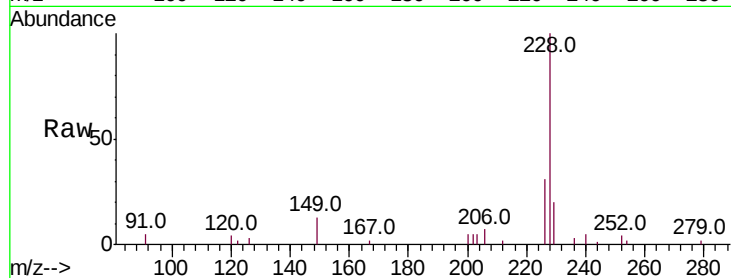
Tot Ion:228 Resp: 6026

Ion Ratio Lower Upper

228 100

226 31.1 23.0 34.6

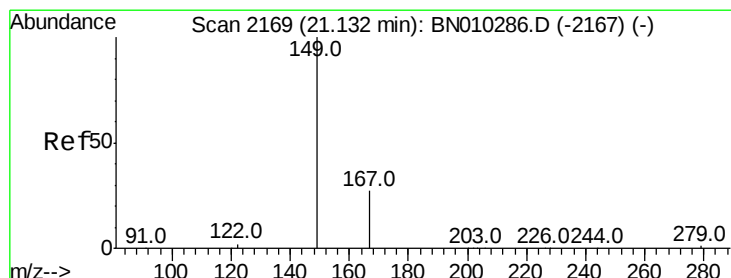
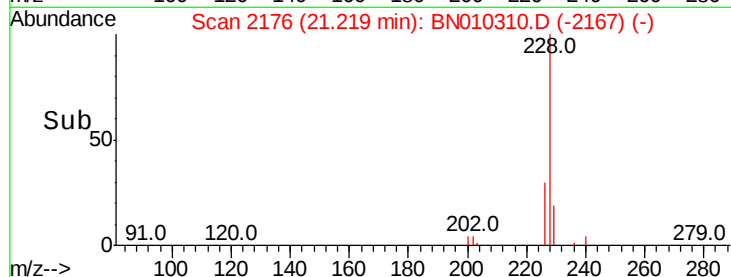
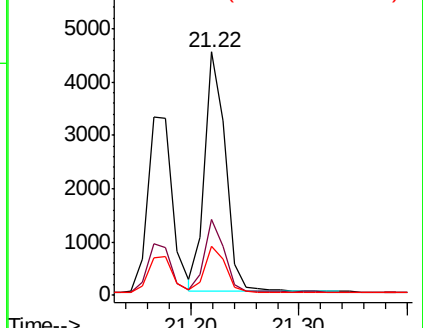
229 19.9 16.0 24.0



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: 0.075 ng

RT: 21.13 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

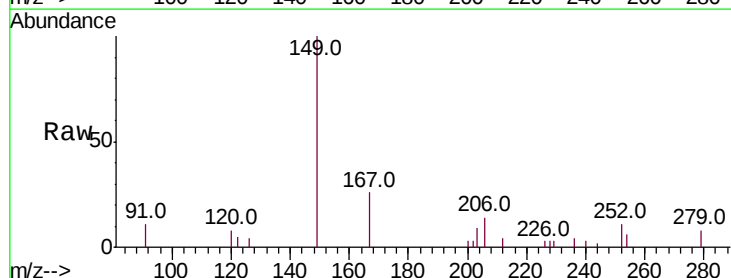
Tgt Ion:149 Resp: 1685

Ion Ratio Lower Upper

149 100

167 26.8 23.0 34.6

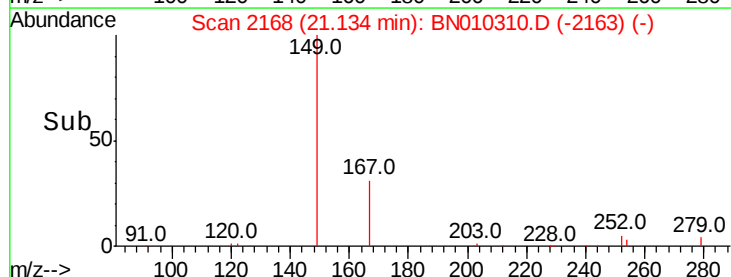
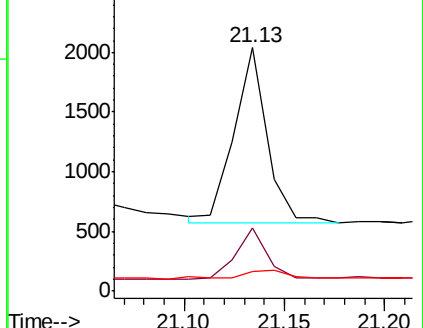
279 4.5 3.8 5.8

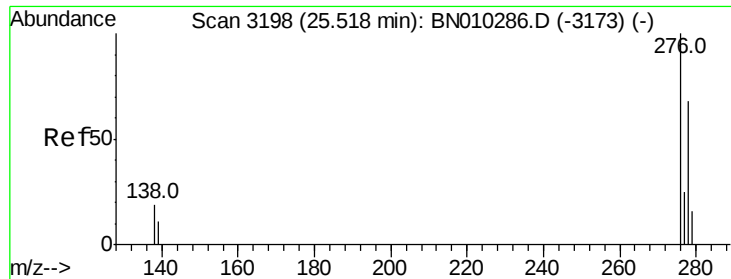


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.080 ng

RT: 25.51 min Scan# 3195

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

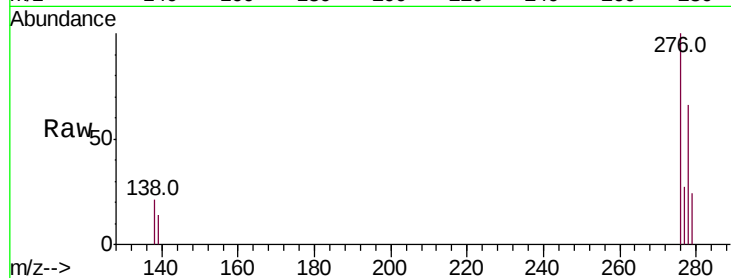
Tot Ion:276 Resp: 6101

Ion Ratio Lower Upper

276 100

138 19.4 15.6 23.4

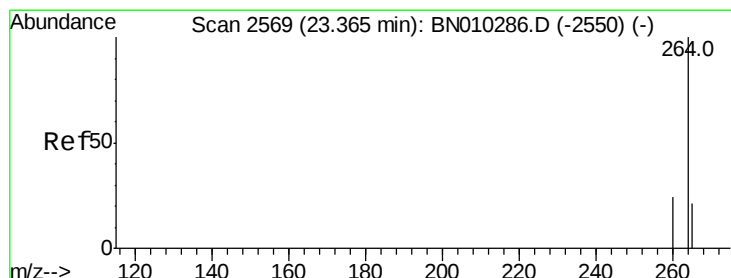
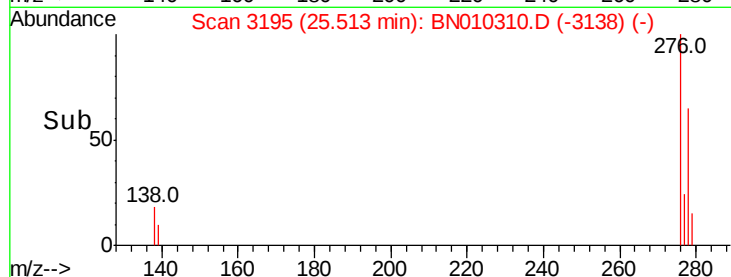
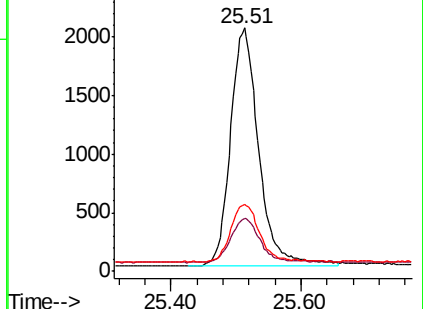
277 24.3 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.36 min Scan# 2567

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

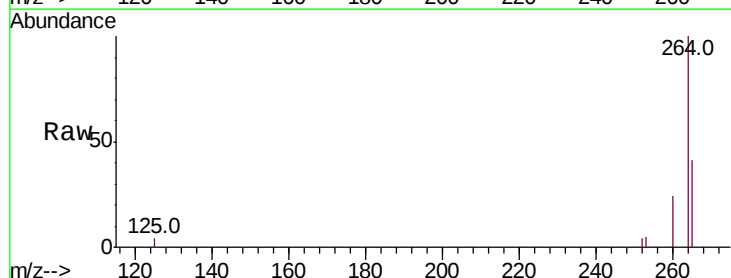
Tgt Ion:264 Resp: 20773

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

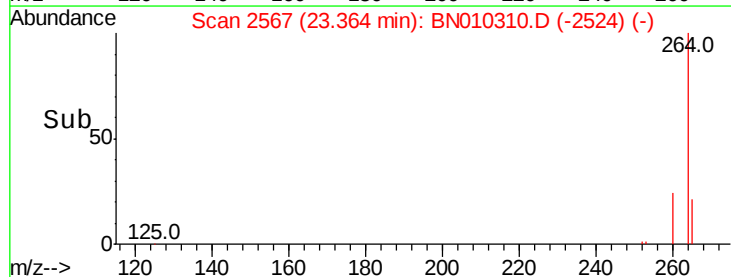
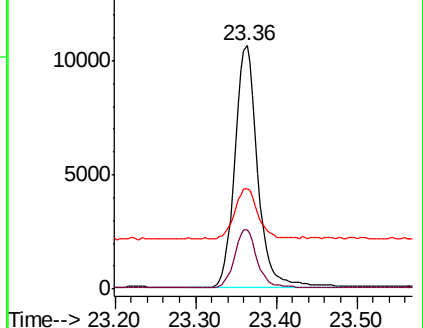
265 41.4 32.4 48.6

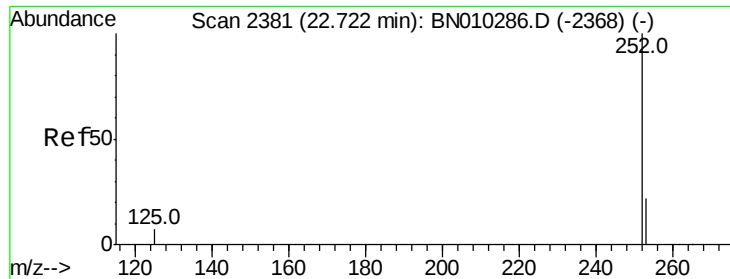


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.080 ng

RT: 22.72 min Scan# 2378

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

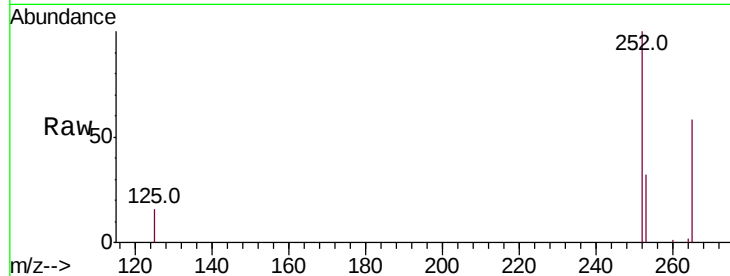
Tot Ion:252 Resp: 5678

Ion Ratio Lower Upper

252 100

253 31.6 19.2 28.8#

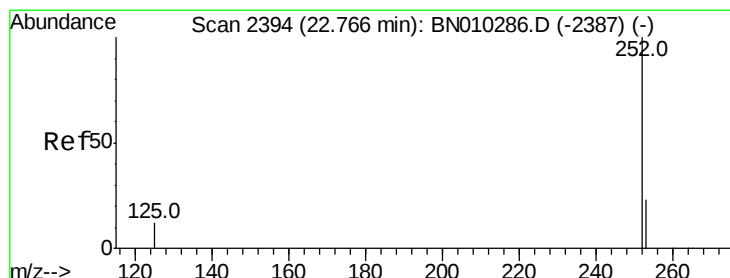
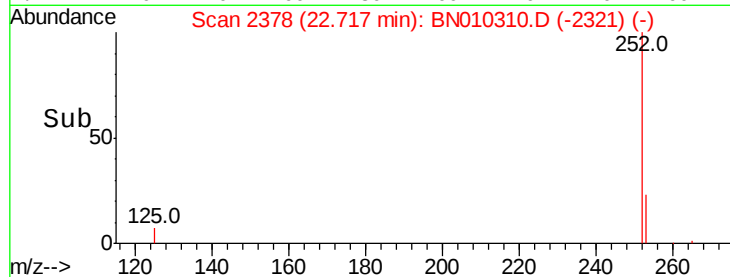
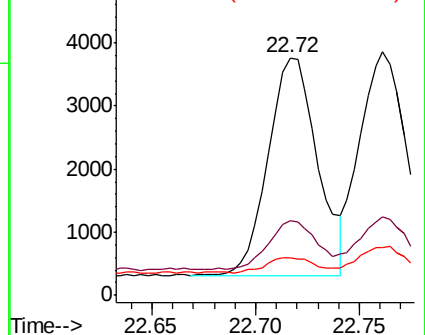
125 16.0 7.4 11.0#



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: 0.080 ng

RT: 22.76 min Scan# 2391

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

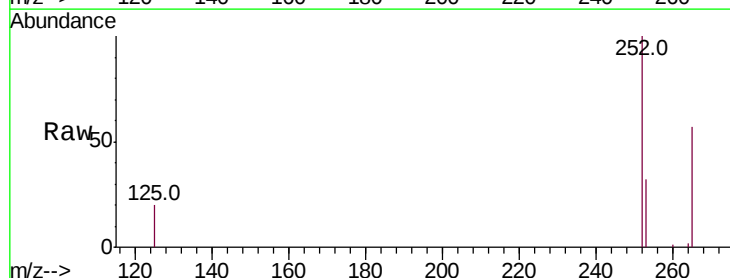
Tgt Ion:252 Resp: 5769

Ion Ratio Lower Upper

252 100

253 32.0 19.4 29.0#

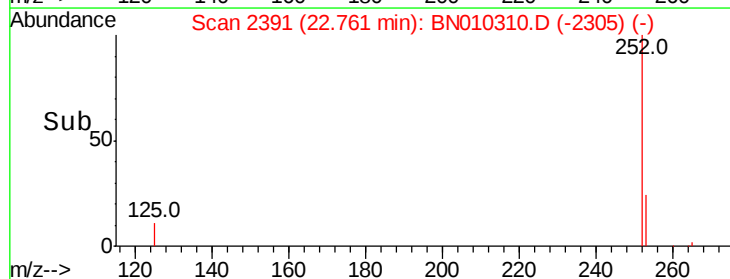
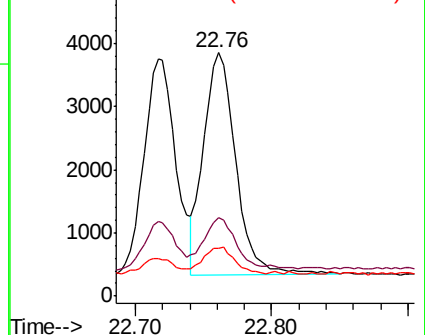
125 19.9 10.2 15.2#

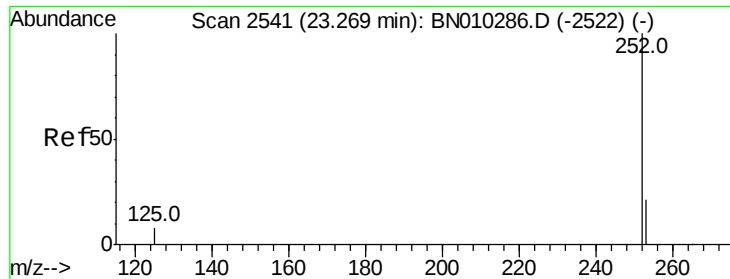


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.070 ng

RT: 23.27 min Scan# 2539

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

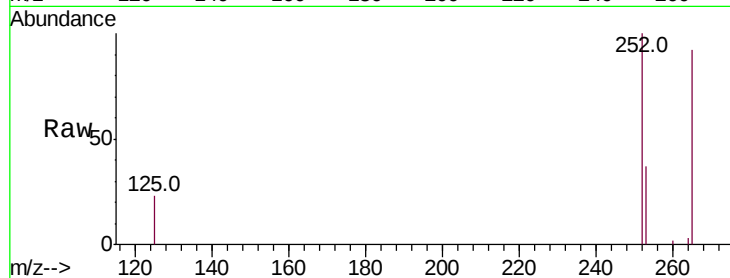
Tot Ion:252 Resp: 4173

Ion Ratio Lower Upper

252 100

253 36.7 19.9 29.9#

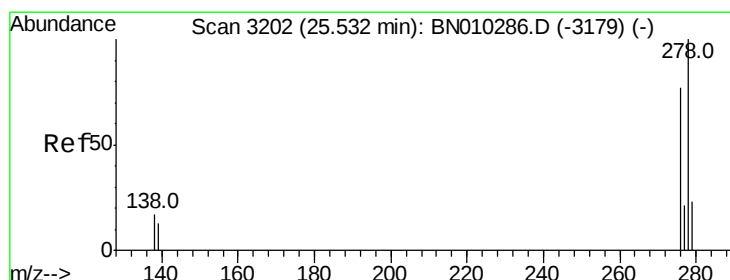
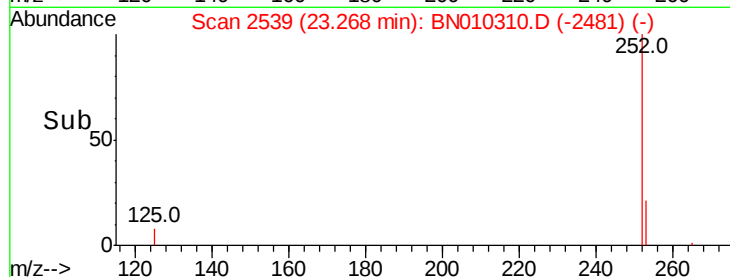
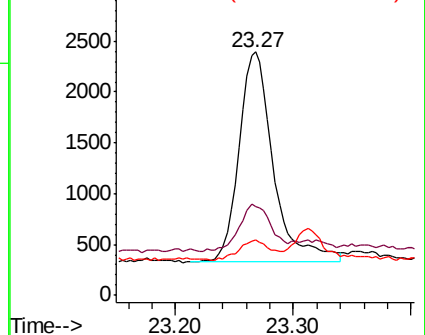
125 22.5 8.9 13.3#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.078 ng

RT: 25.53 min Scan# 3199

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

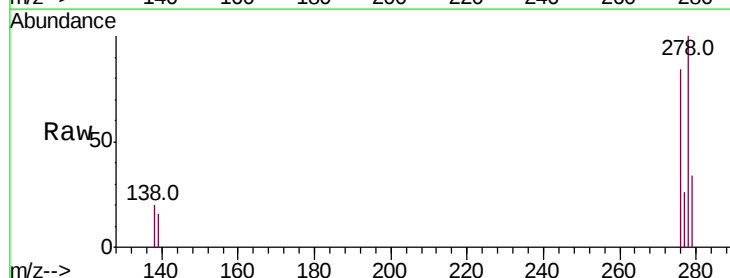
Tgt Ion:278 Resp: 4997

Ion Ratio Lower Upper

278 100

139 15.6 10.6 16.0

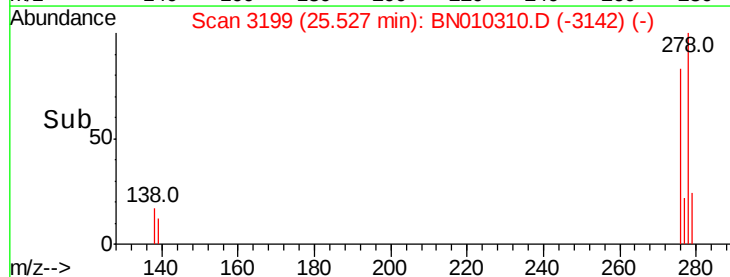
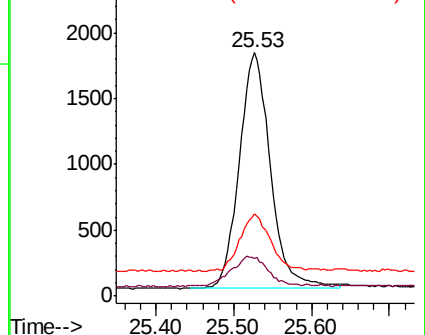
279 33.6 19.8 29.6#

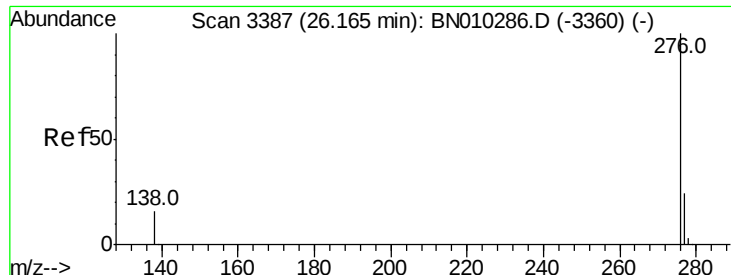


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.081 ng

RT: 26.16 min Scan# 3384

Delta R.T. -0.00 min

Lab File: BN010310.D

Acq: 20 Mar 2020 15:13

Instrument :

BNA_N

ClientSampleId :

MDL-WATER-03-QT1-2020

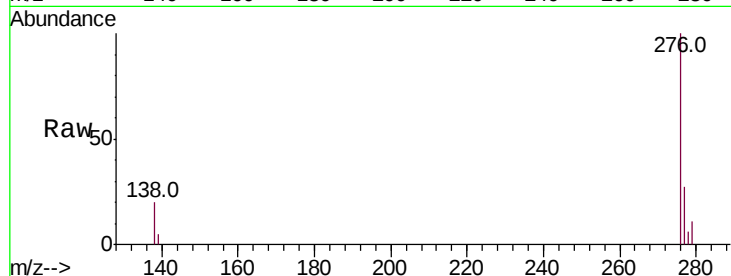
Tot Ion:276 Resp: 5249

Ion Ratio Lower Upper

276 100

277 27.5 19.6 29.4

138 19.9 13.3 19.9



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

