

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE102418\
 Data File : BE098046.D
 Acq On : 24 Oct 2018 19:50
 Operator : SJ/JU
 Sample : J5164-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Quant Time: Oct 25 04:03:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 13:49:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	1034	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	5179	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	3635	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	8983	0.40	ng	0.00
27) Chrysene-d12	21.48	240	10526	0.40	ng	0.00
34) Perylene-d12	24.02	264	10438	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1055	0.34	ng	0.00
5) Phenol-d6	7.06	99	1804	0.35	ng	0.00
8) Nitrobenzene-d5	9.03	82	2028	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	2966	0.32	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	529	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	5036	0.34	ng	0.00
25) Fluoranthene-d10	19.32	212	36602	0.32	ng	0.00
29) Terphenyl-d14	19.91	244	8016	0.32	ng	0.00

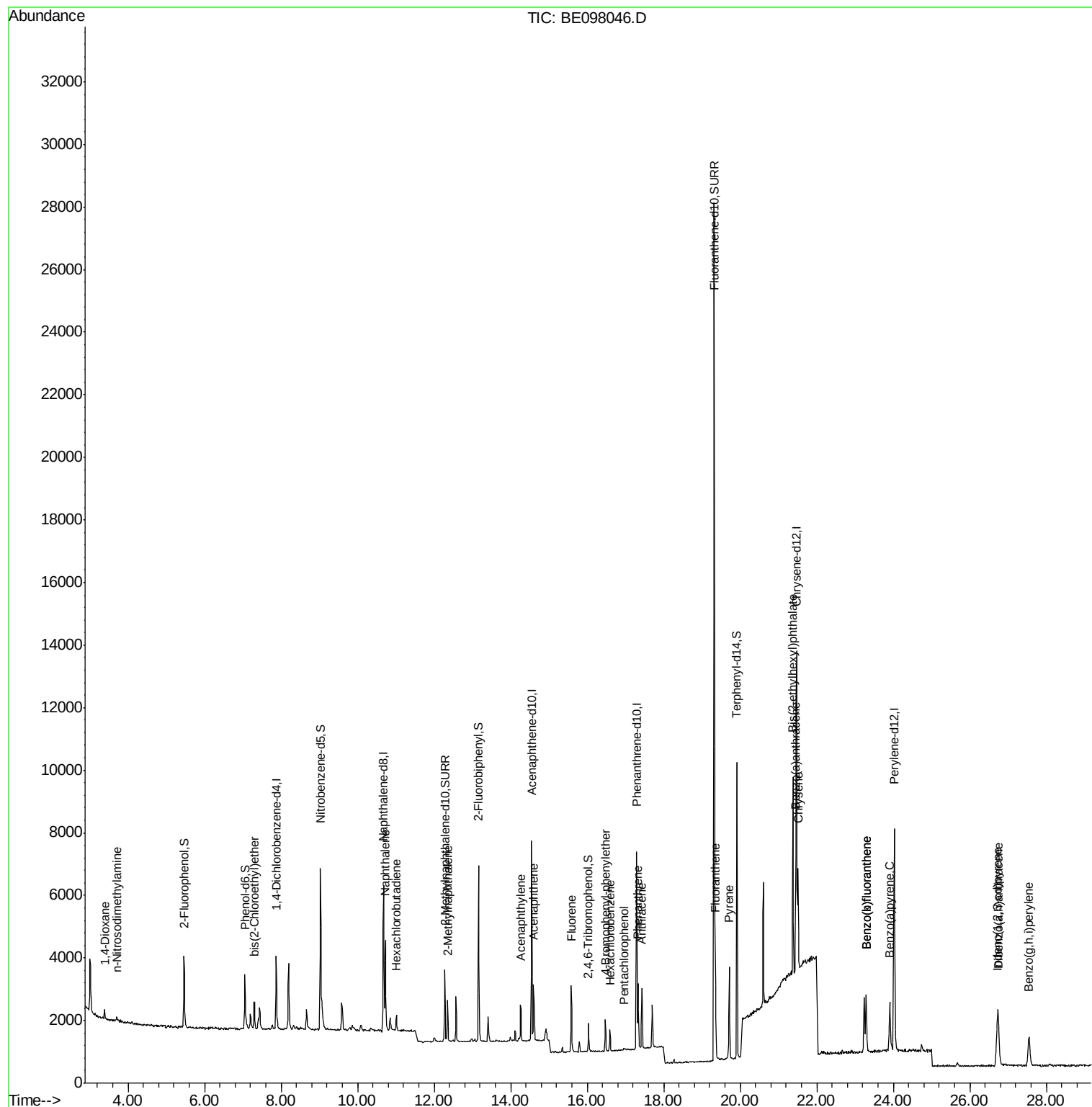
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.38	88	183	0.115	ng	# 77
3) n-Nitrosodimethylamine	3.71	42	194	0.091	ng	# 77
6) bis(2-Chloroethyl)ether	7.30	93	368	0.101	ng	87
9) Naphthalene	10.73	128	5015	0.097	ng	# 96
10) Hexachlorobutadiene	11.02	225	343	0.098	ng	99
12) 2-Methylnaphthalene	12.35	142	840	0.090	ng	# 92
16) Acenaphthylene	14.25	152	1580	0.096	ng	99
17) Acenaphthene	14.60	154	974	0.098	ng	99
18) Fluorene	15.58	166	1281	0.095	ng	98
20) 4-Bromophenyl-phenylether	16.48	248	489	0.090	ng	# 89
21) Hexachlorobenzene	16.59	284	553	0.098	ng	94
22) Pentachlorophenol	16.97	266	56	0.119	ng	# 63
23) Phenanthrene	17.33	178	2085	0.095	ng	96
24) Anthracene	17.42	178	1952	0.090	ng	99
26) Fluoranthene	19.35	202	2535	0.092	ng	97
28) Pyrene	19.71	202	2671	0.092	ng	99
30) Benzo(a)anthracene	21.45	228	2932	0.094	ng	97
31) Chrysene	21.51	228	2766	0.092	ng	97
32) Bis(2-ethylhexyl)phthalate	21.38	149	6786	0.092	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.71	276	3044	0.092	ng	# 87
35) Benzo(b)fluoranthene	23.29	252	2746	0.095	ng	92
36) Benzo(k)fluoranthene	23.29	252	2746	0.091	ng	92
37) Benzo(a)pyrene	23.90	252	2662	0.093	ng	# 86
38) Dibenzo(a,h)anthracene	26.75	278	2462	0.089	ng	# 86
39) Benzo(g,h,i)perylene	27.54	276	2498	0.091	ng	93

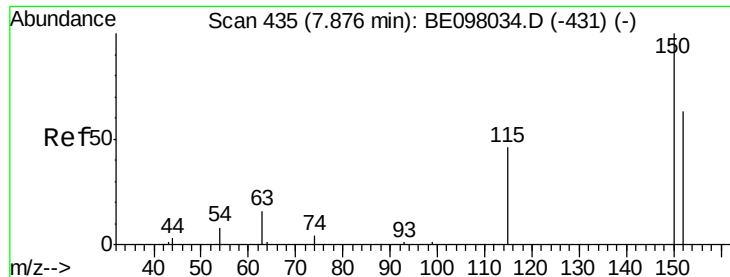
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 24 13:49:35 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

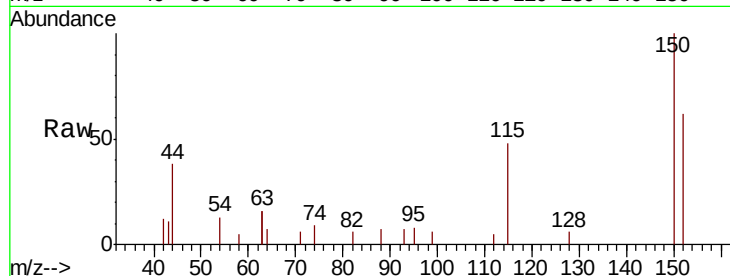
Tgt Ion:152 Resp: 1034

Ion Ratio Lower Upper

152 100

150 161.0 118.2 177.4

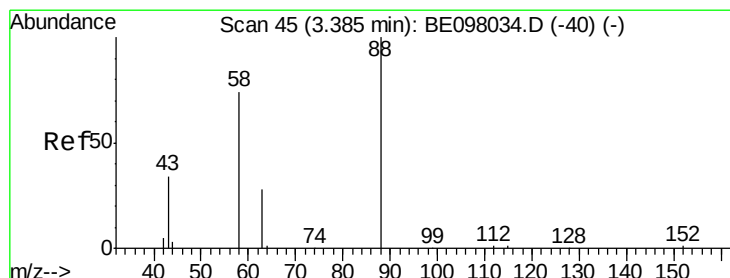
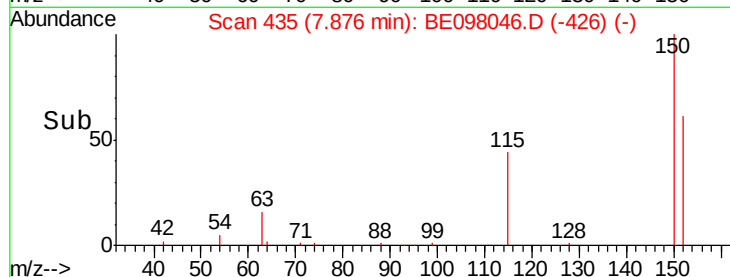
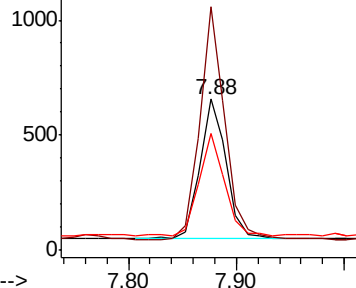
115 77.2 50.9 76.3#



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: 0.115 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

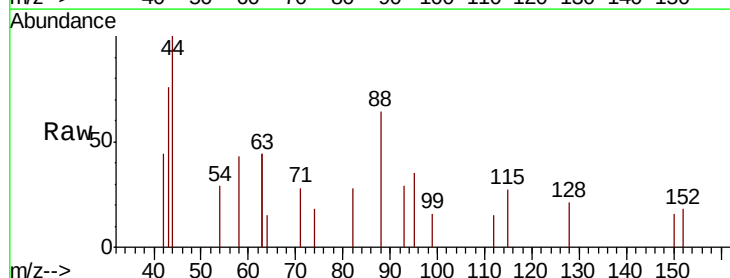
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

58 89.6 73.2 109.8

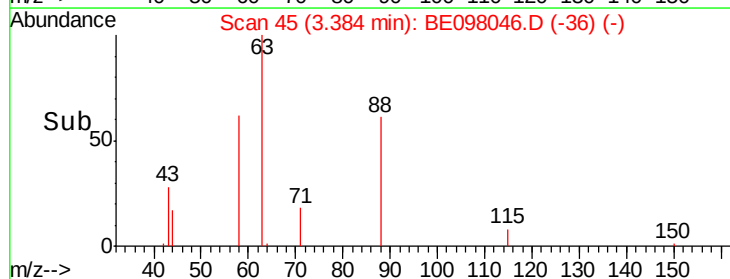
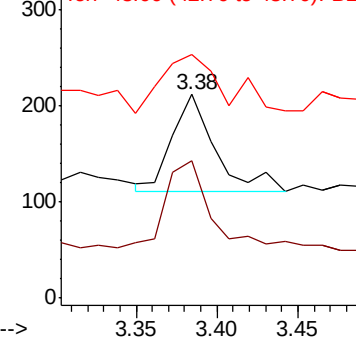
43 88.5 36.9 55.3#

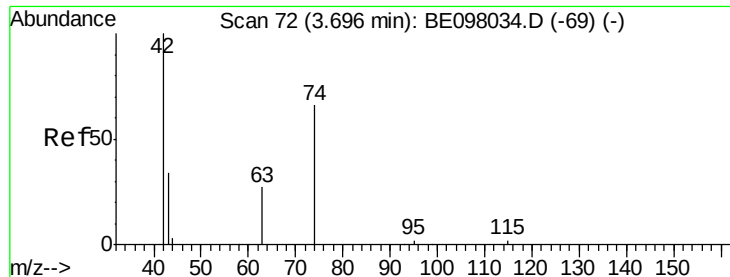


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.091 ng

RT: 3.71 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

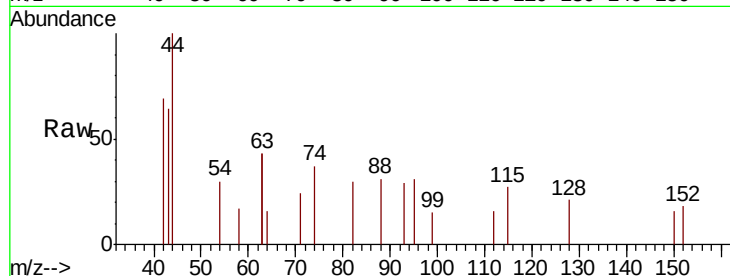
Tgt Ion: 42 Resp: 194

Ion Ratio Lower Upper

42 100

74 74.2 77.6 116.4#

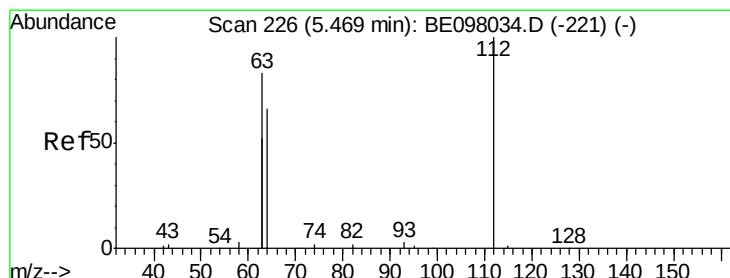
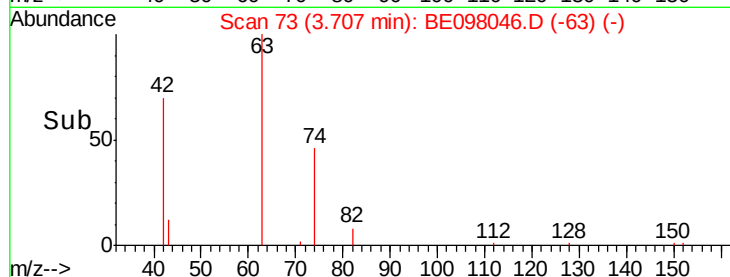
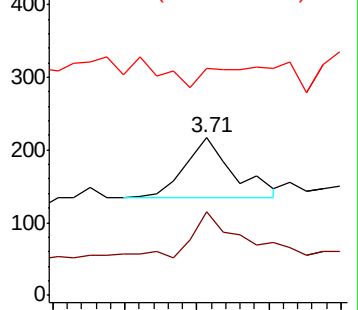
44 0.0 7.6 11.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.337 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

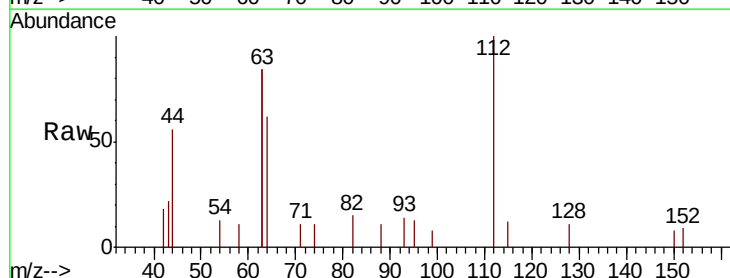
Tgt Ion: 112 Resp: 1055

Ion Ratio Lower Upper

112 100

64 81.6 58.9 88.3

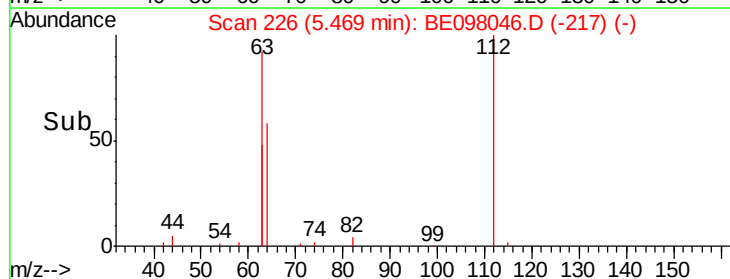
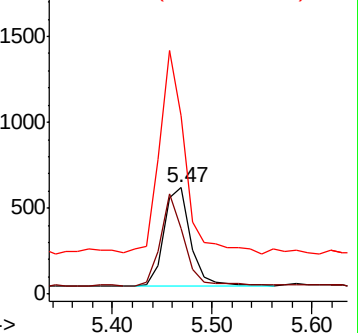
63 196.8 120.3 180.5#

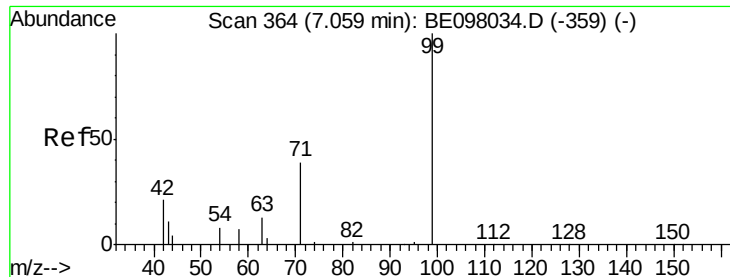


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.346 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

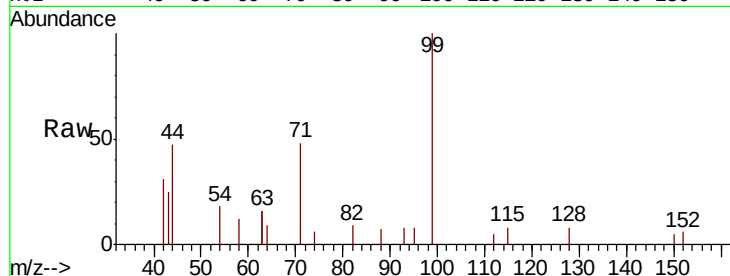
Tgt Ion: 99 Resp: 1804

Ion Ratio Lower Upper

99 100

42 30.2 19.9 29.9#

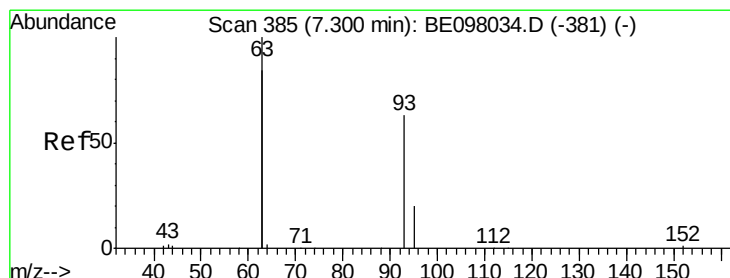
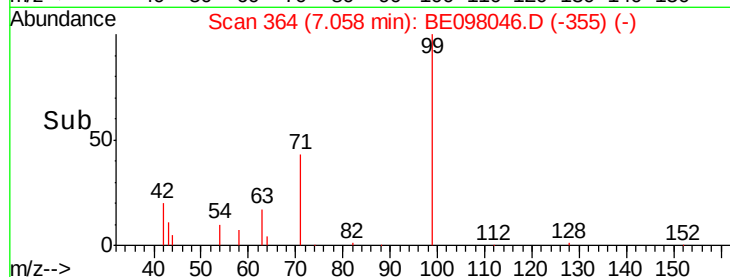
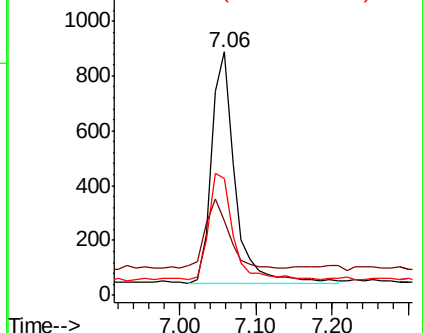
71 46.5 27.8 41.8#



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.101 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

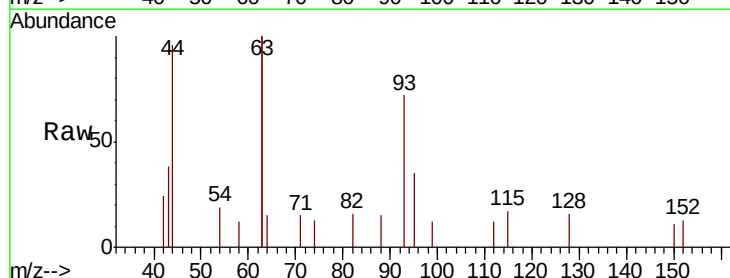
Tgt Ion: 93 Resp: 368

Ion Ratio Lower Upper

93 100

63 295.9 259.0 388.4

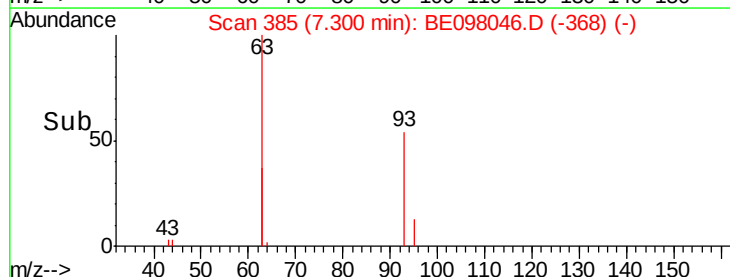
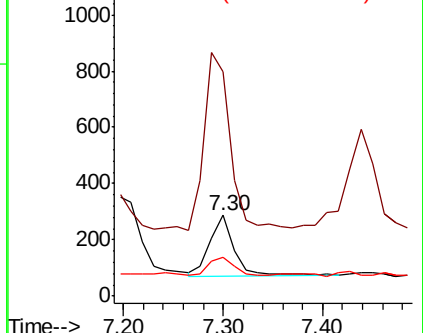
95 31.3 27.8 41.8

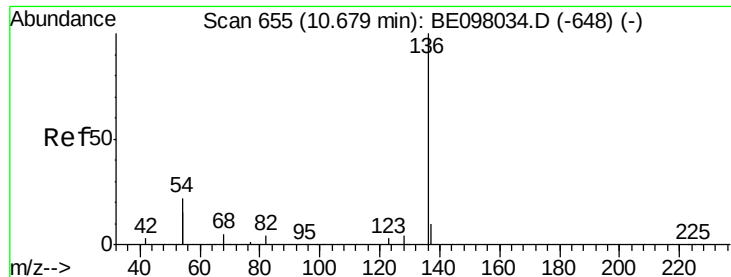


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

Tgt Ion: 136 Resp: 5179

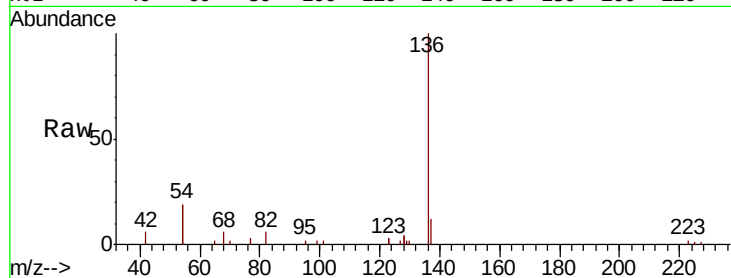
Ion Ratio Lower Upper

136 100

137 12.5 9.6 14.4

54 38.0 27.7 41.5

68 6.1 5.3 7.9

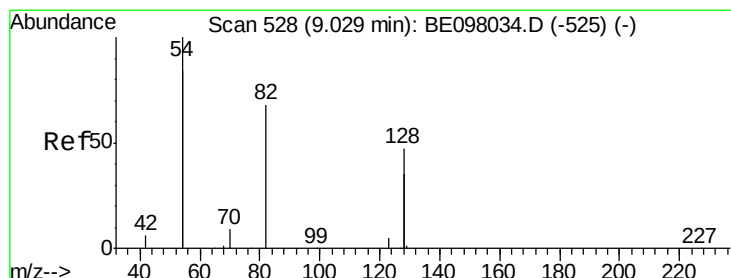
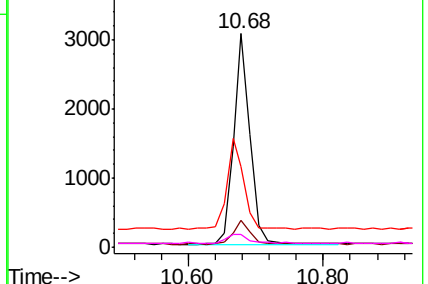
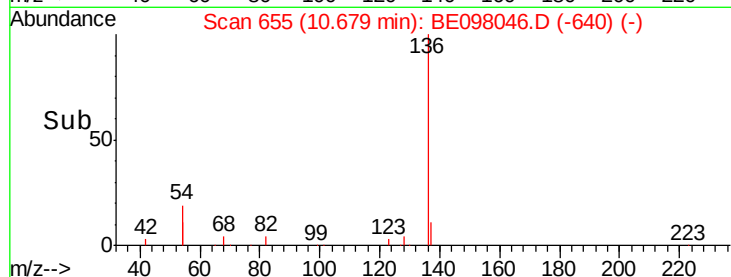


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.368 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

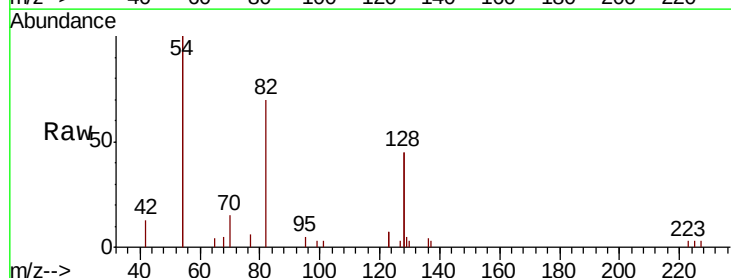
Tgt Ion: 82 Resp: 2028

Ion Ratio Lower Upper

82 100

128 127.9 129.9 194.9#

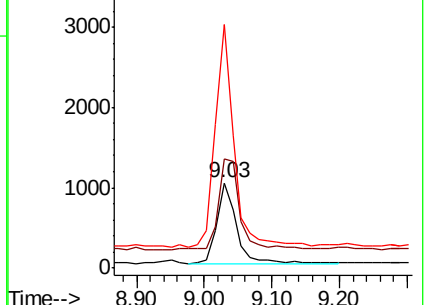
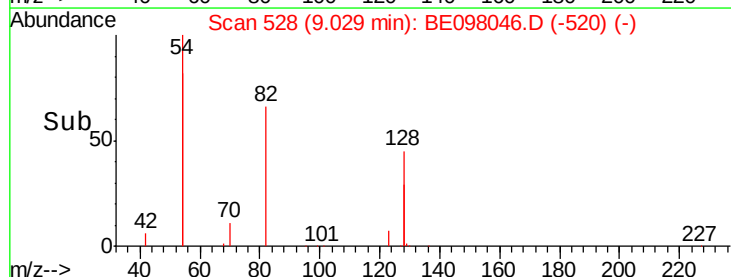
54 286.3 174.0 261.0#

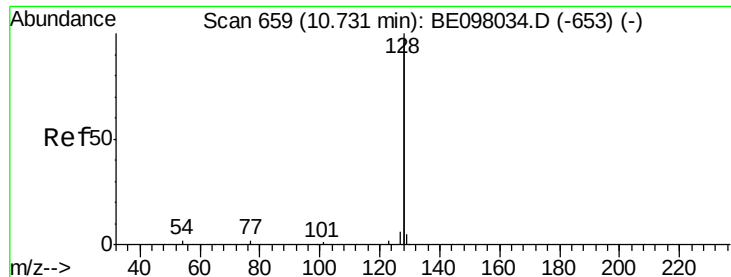


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.097 ng

RT: 10.73 min Scan# 659

Delta R.T. -0.00 min

Lab File: BE098046.D

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MDL-WATER-03-QT4-2018

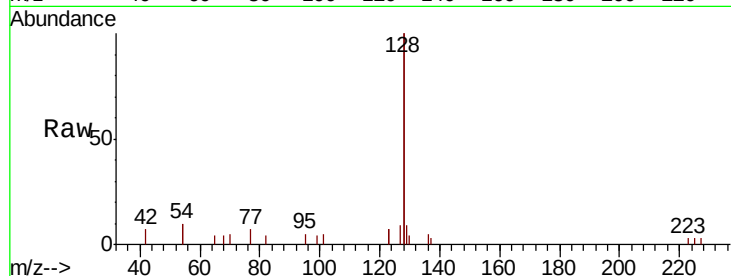
Tgt Ion:128 Resp: 5015

Ion Ratio Lower Upper

128 100

129 4.3 2.5 3.7#

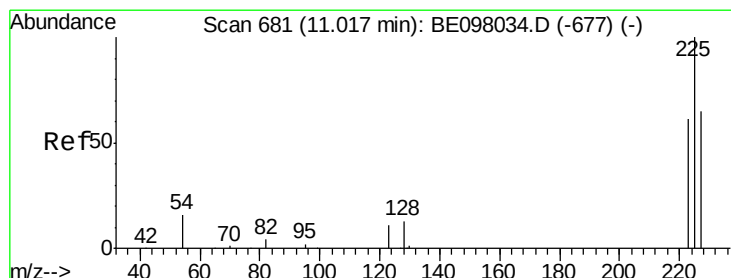
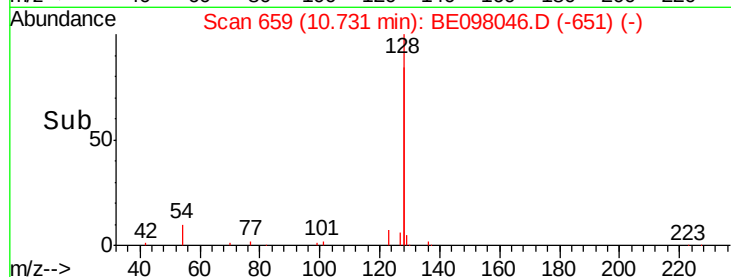
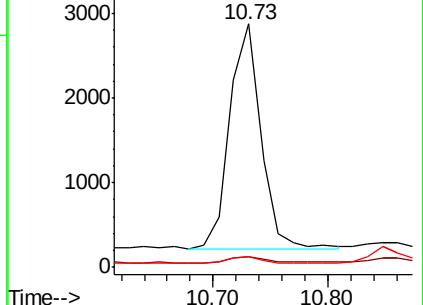
127 4.6 2.8 4.2#



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: 0.098 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

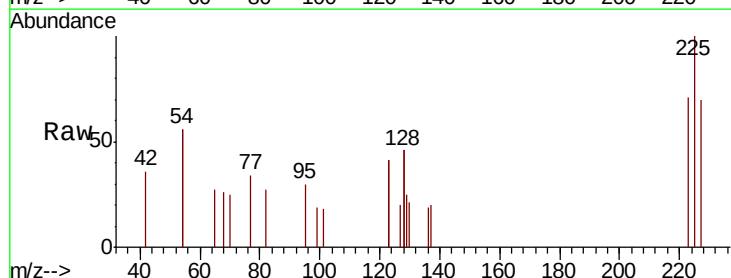
Tgt Ion:225 Resp: 343

Ion Ratio Lower Upper

225 100

223 65.3 51.8 77.8

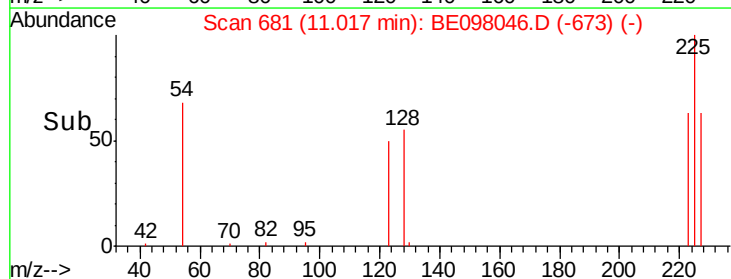
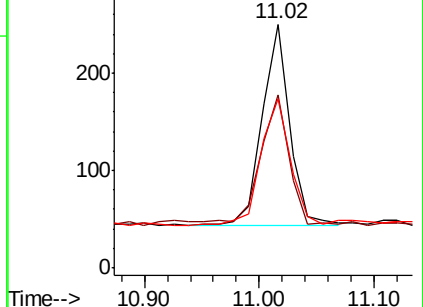
227 67.3 53.0 79.6

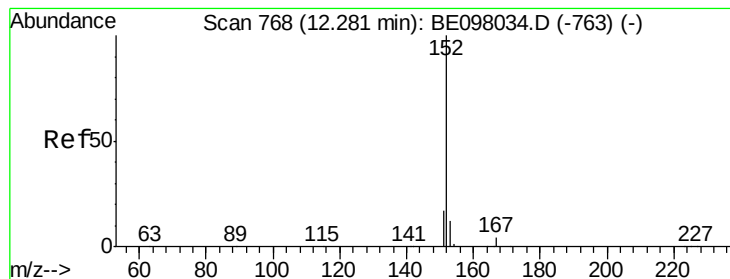


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.323 ng

RT: 12.28 min Scan# 768

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

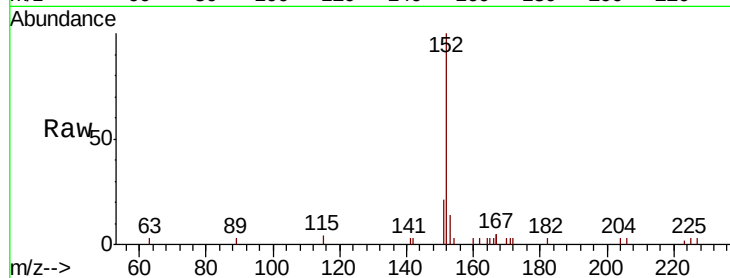
MDL-WATER-03-QT4-2018

Tgt Ion:152 Resp: 2966

Ion Ratio Lower Upper

152 100

151 20.6 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.28

2000

1500

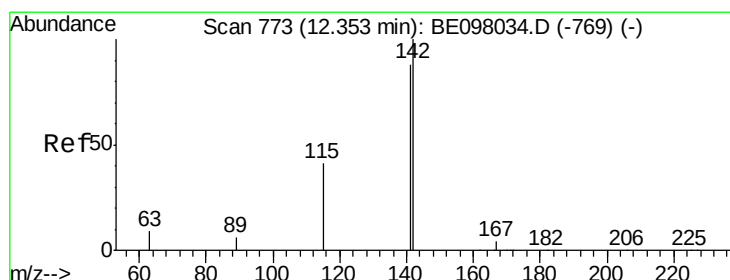
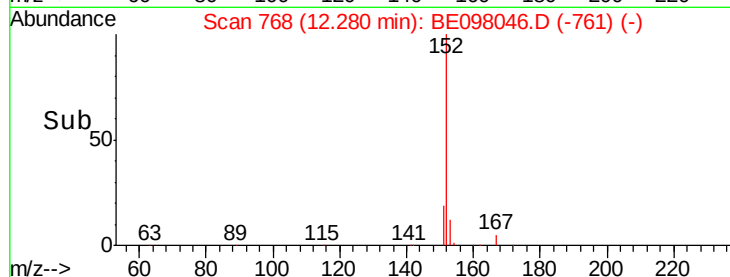
1000

500

0

12.20 12.30 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.090 ng

RT: 12.35 min Scan# 773

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

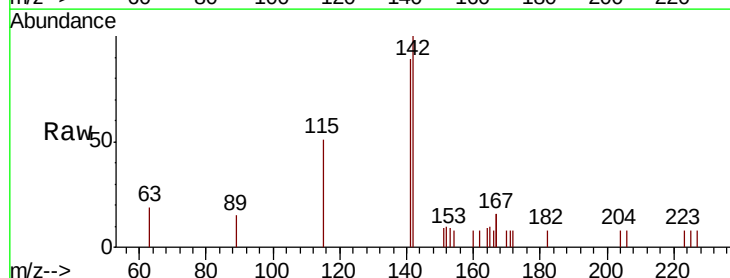
Tgt Ion:142 Resp: 840

Ion Ratio Lower Upper

142 100

141 89.1 69.8 104.6

115 50.6 30.5 45.7#



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

800

600

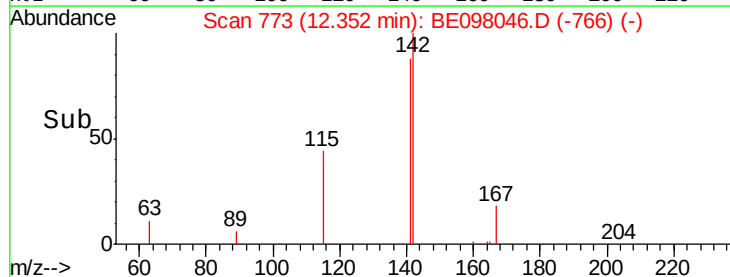
400

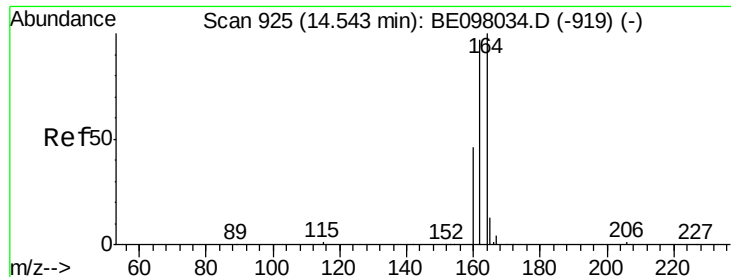
200

0

12.25 12.30 12.35 12.40

Time-->

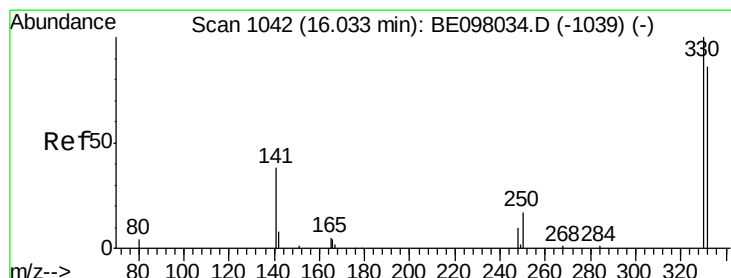
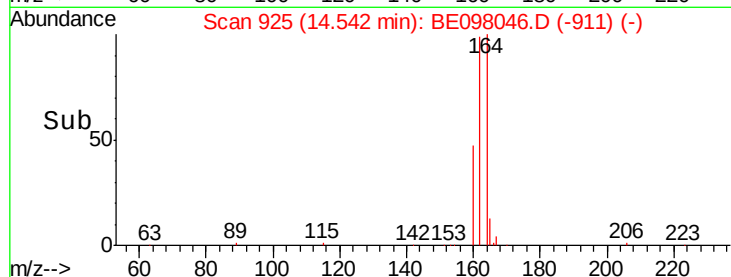
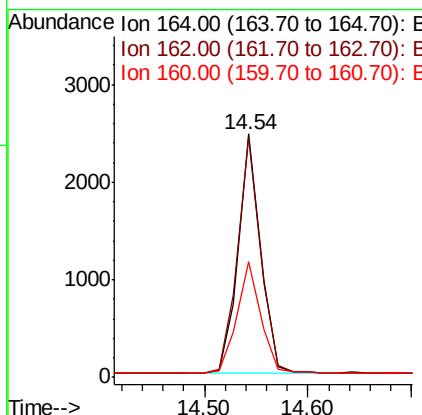
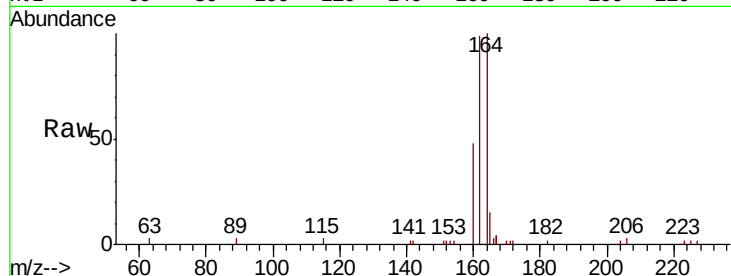




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.54 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BE098046.D
 Acq: 24 Oct 2018 19:50

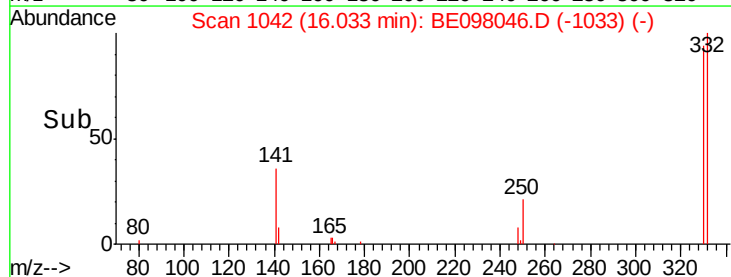
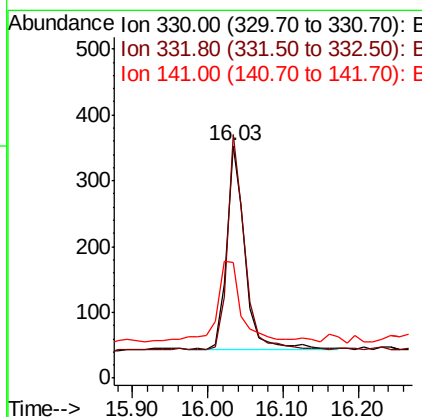
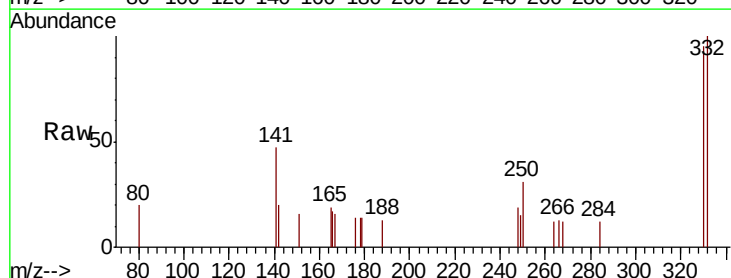
Instrument :
 BNA_E
 ClientSampleId :
 MDL-WATER-03-QT4-2018

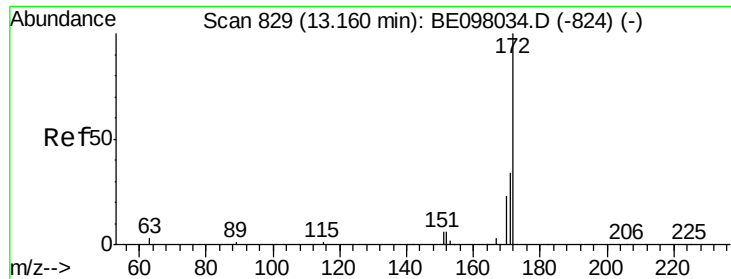
Tgt Ion:164 Resp: 3635
 Ion Ratio Lower Upper
 164 100
 162 98.7 77.4 116.2
 160 47.6 36.5 54.7



#14
 2,4,6-Tribromophenol
 Concen: 0.289 ng
 RT: 16.03 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BE098046.D
 Acq: 24 Oct 2018 19:50

Tgt Ion:330 Resp: 529
 Ion Ratio Lower Upper
 330 100
 332 99.1 76.5 114.7
 141 44.8 31.8 47.6

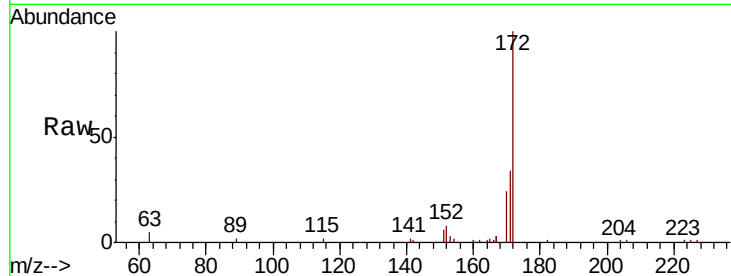




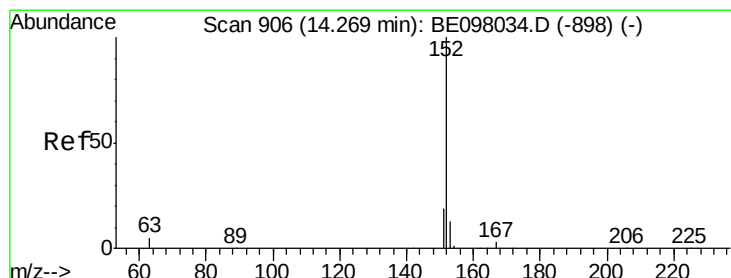
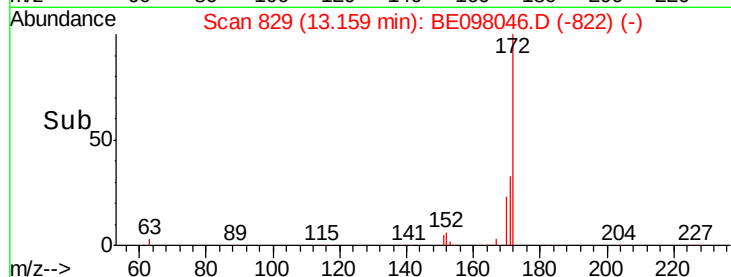
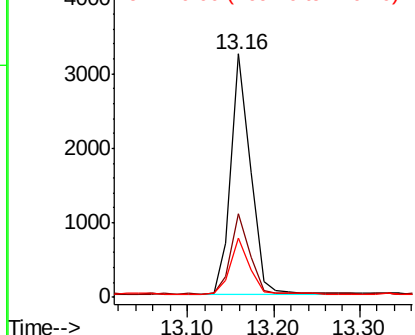
#15
2-Fluorobiphenyl
Concen: 0.342 ng
RT: 13.16 min Scan# 829
Delta R.T. -0.00 min
Lab File: BE098046.D
Acq: 24 Oct 2018 19:50

Instrument :
BNA_E
ClientSampleId :
MDL-WATER-03-QT4-2018

Tgt Ion:172 Resp: 5036
Ion Ratio Lower Upper
172 100
171 34.3 26.0 39.0
170 24.3 18.0 27.0

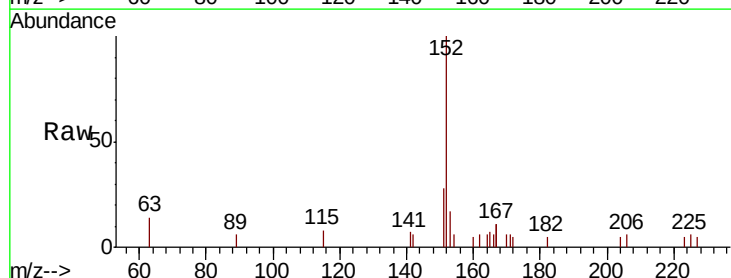


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

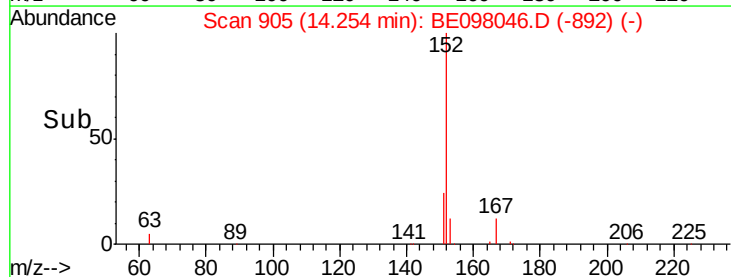
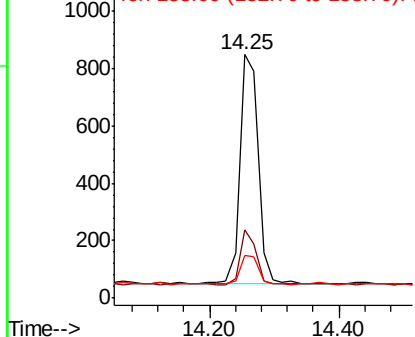


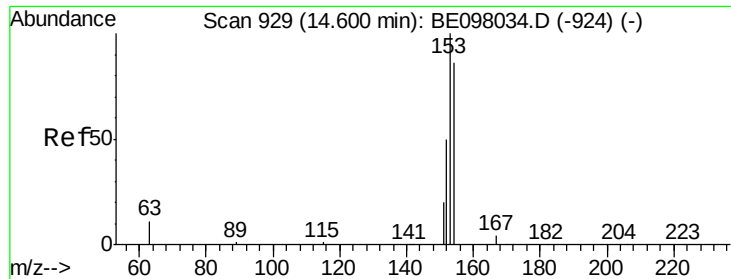
#16
Acenaphthylene
Concen: 0.096 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.01 min
Lab File: BE098046.D
Acq: 24 Oct 2018 19:50

Tgt Ion:152 Resp: 1580
Ion Ratio Lower Upper
152 100
151 20.8 16.1 24.1
153 13.2 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.098 ng

RT: 14.60 min Scan# 929

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

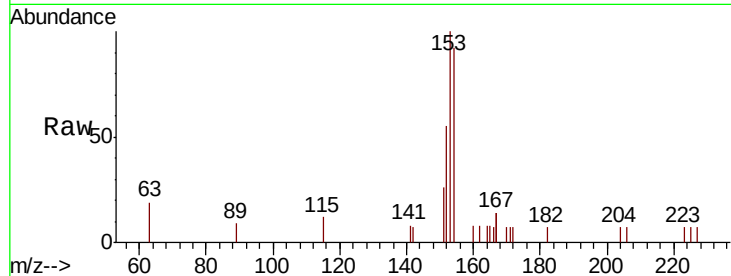
Tgt Ion:154 Resp: 974

Ion Ratio Lower Upper

154 100

153 115.1 92.6 139.0

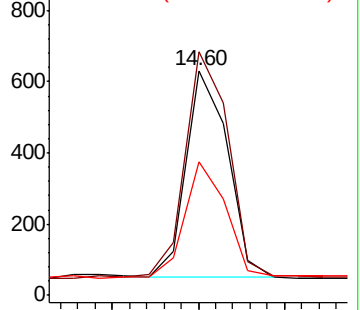
152 56.6 45.5 68.3



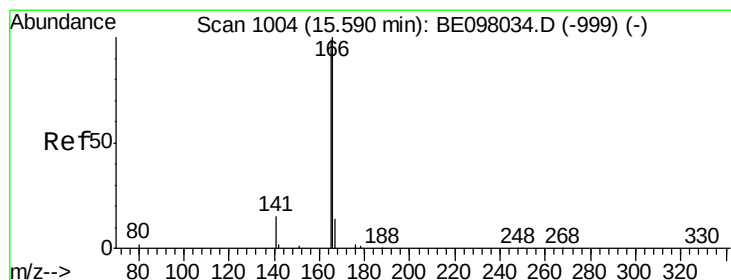
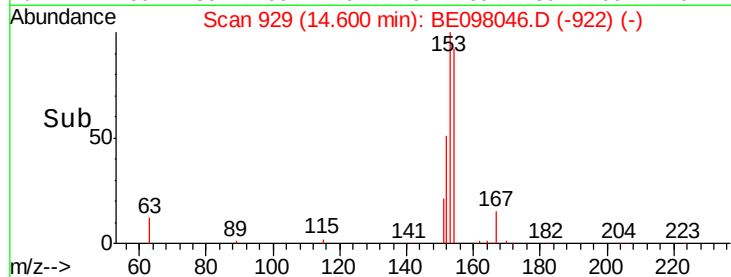
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#18

Fluorene

Concen: 0.095 ng

RT: 15.58 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

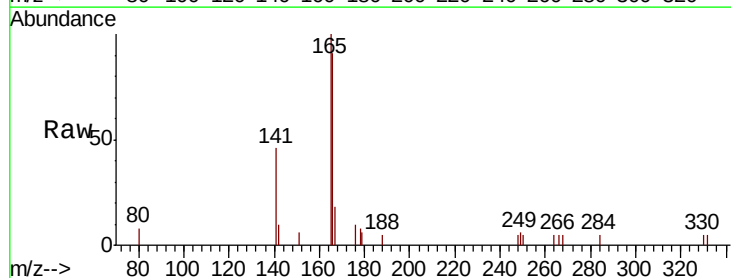
Tgt Ion:166 Resp: 1281

Ion Ratio Lower Upper

166 100

165 99.5 78.2 117.4

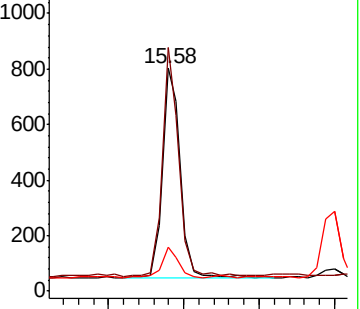
167 13.4 11.0 16.6



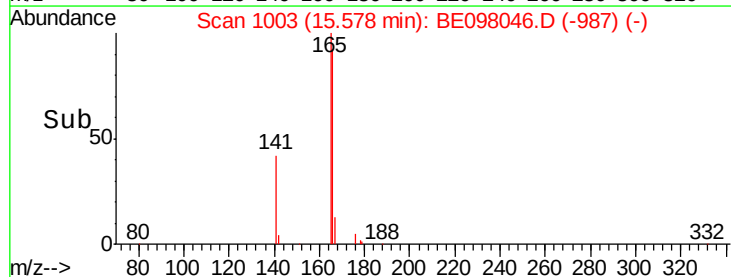
Abundance Ion 166.00 (165.70 to 166.70): E

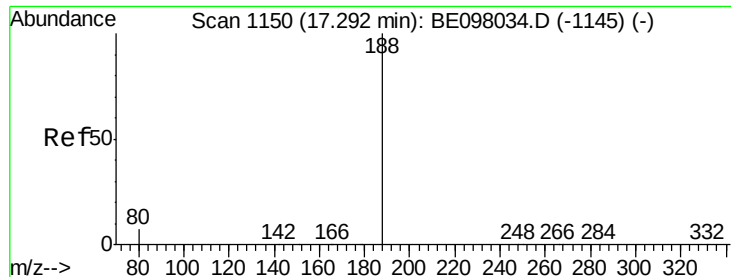
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.29 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

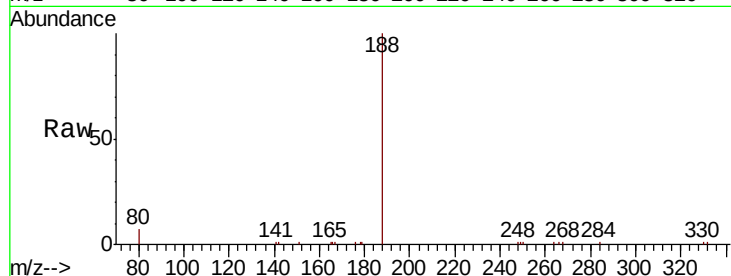
Tgt Ion:188 Resp: 8983

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

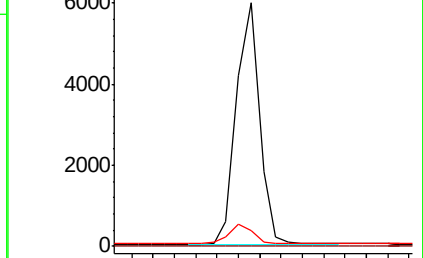
80 6.7 6.3 9.5



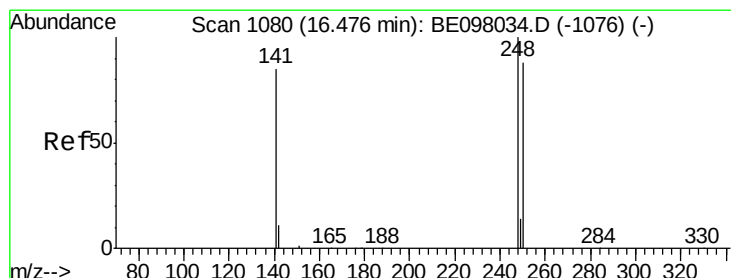
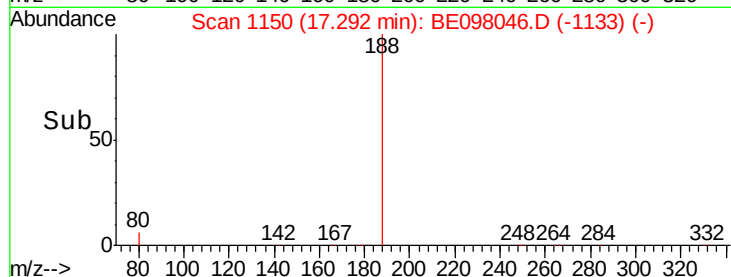
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.090 ng

RT: 16.48 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

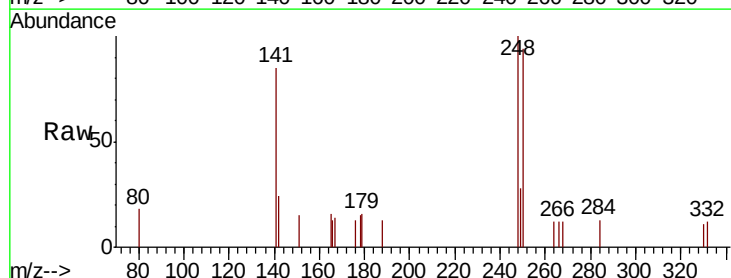
Tgt Ion:248 Resp: 489

Ion Ratio Lower Upper

248 100

250 93.7 75.1 112.7

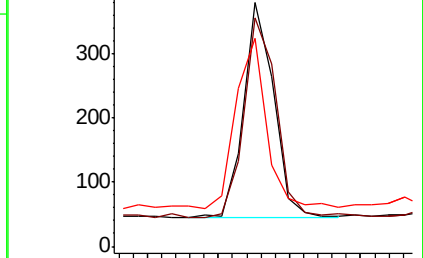
141 85.5 51.8 77.8#



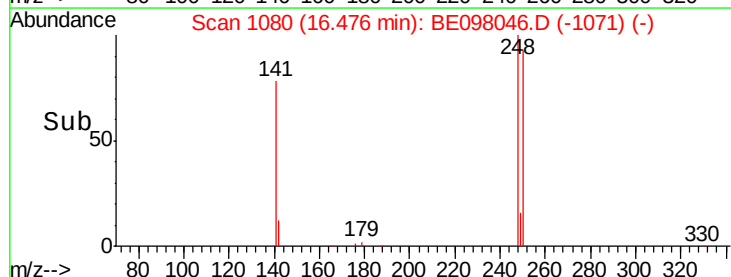
Abundance Ion 248.00 (247.70 to 248.70): E

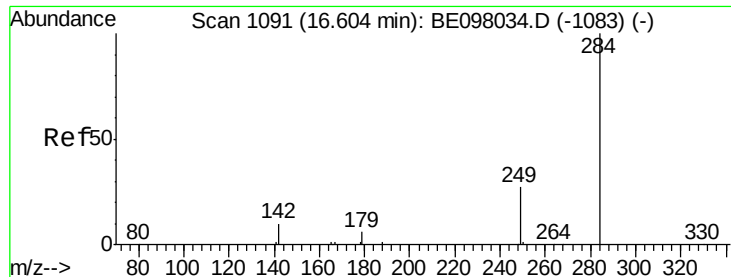
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#21

Hexachlorobenzene

Concen: 0.098 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

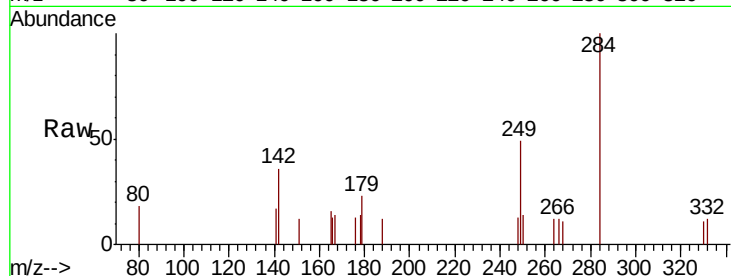
Tgt Ion:284 Resp: 553

Ion Ratio Lower Upper

284 100

142 29.7 25.9 38.9

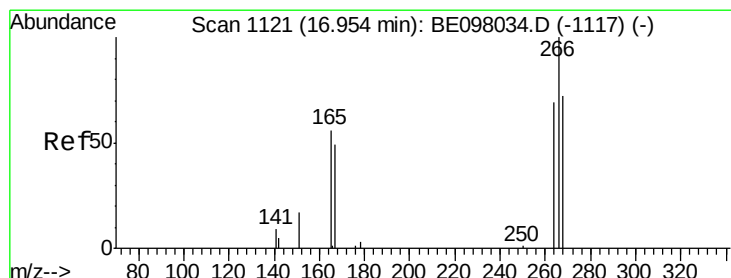
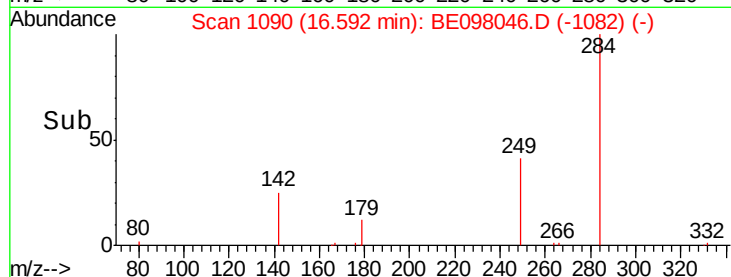
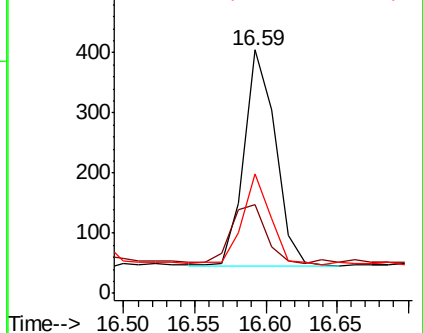
249 37.3 26.6 40.0



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: 16.97 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

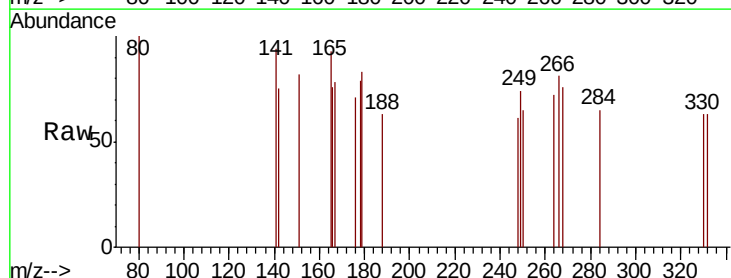
Tgt Ion:266 Resp: 56

Ion Ratio Lower Upper

266 100

264 89.7 51.3 76.9#

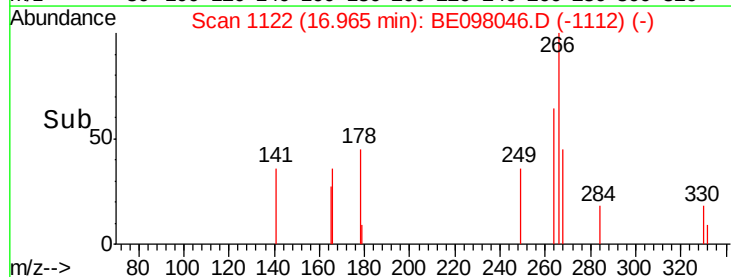
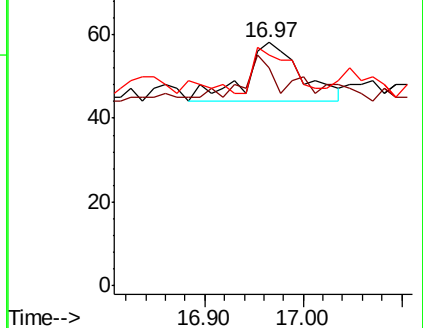
268 94.8 50.1 75.1#

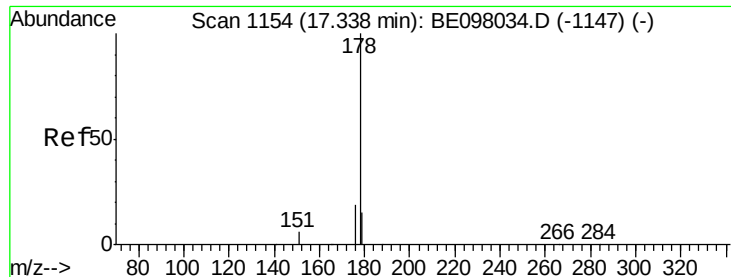


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.095 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

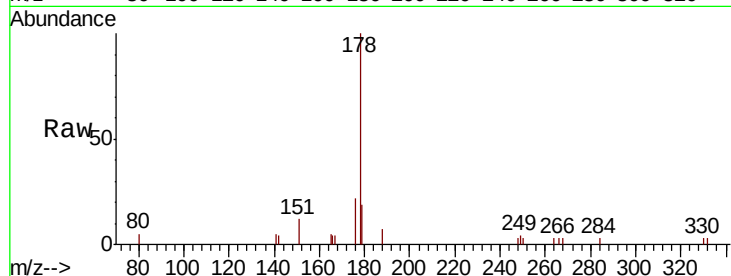
Tgt Ion:178 Resp: 2085

Ion Ratio Lower Upper

178 100

176 20.7 15.5 23.3

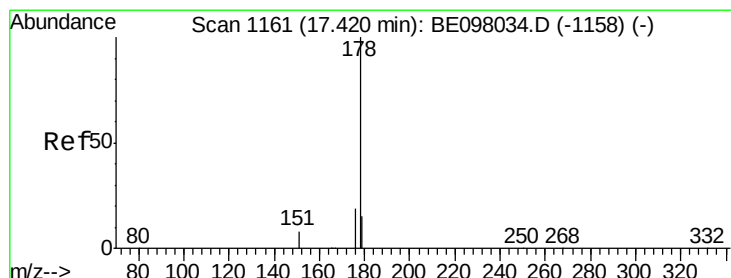
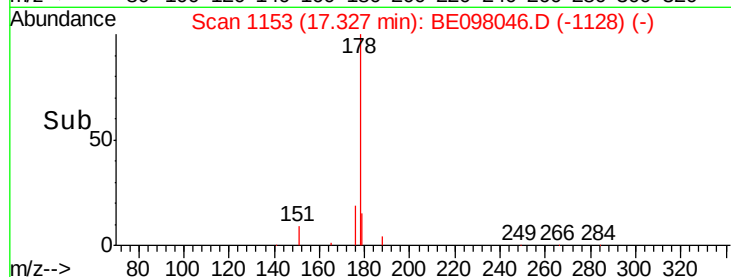
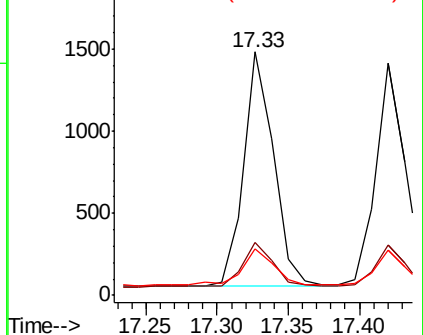
179 18.1 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

2000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.090 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

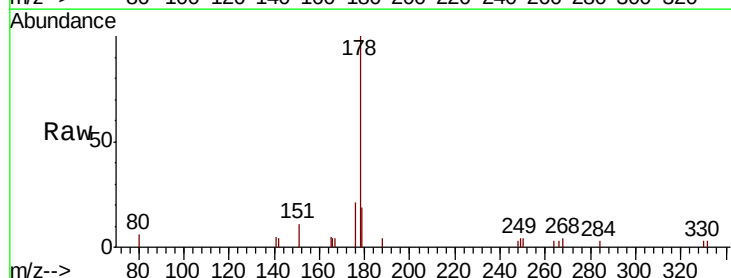
Tgt Ion:178 Resp: 1952

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

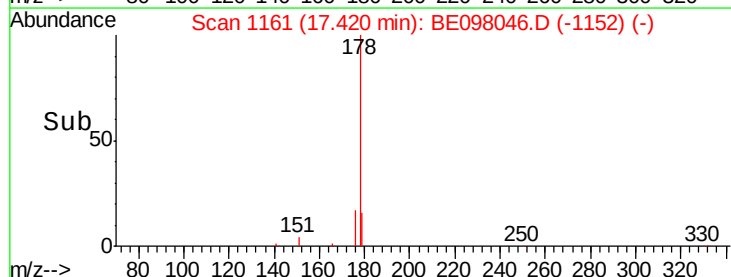
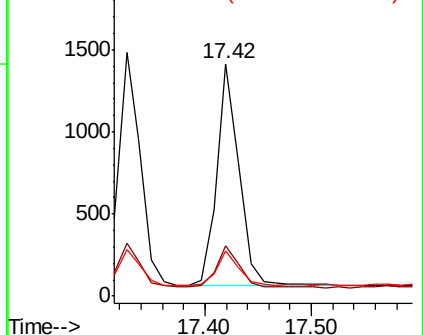
179 15.5 11.9 17.9

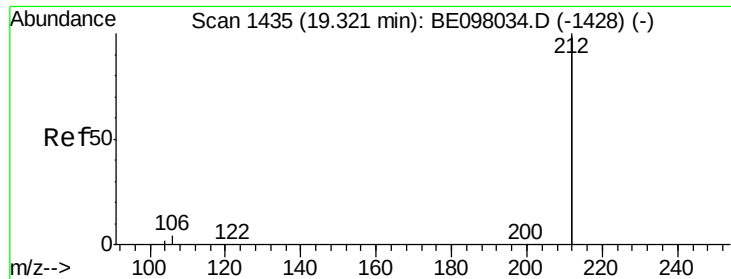


Abundance Ion 178.00 (177.70 to 178.70): E

2000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.318 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

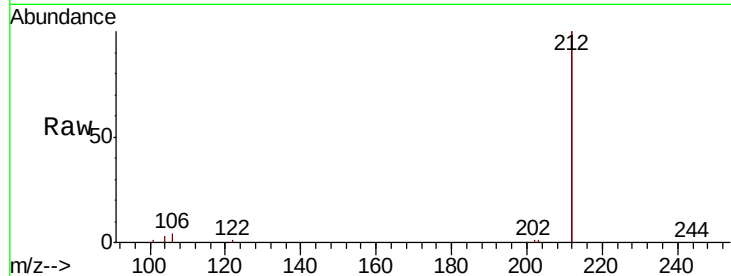
Tgt Ion:212 Resp: 36602

Ion Ratio Lower Upper

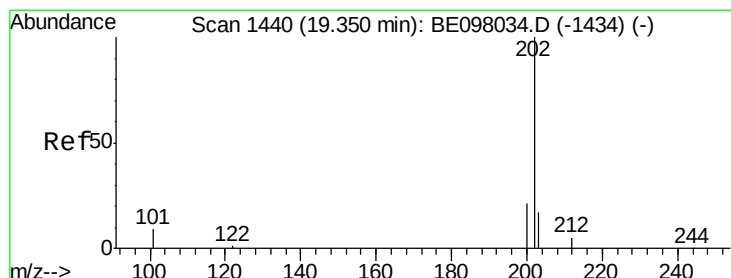
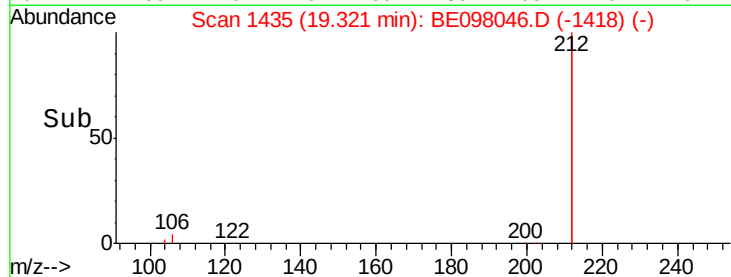
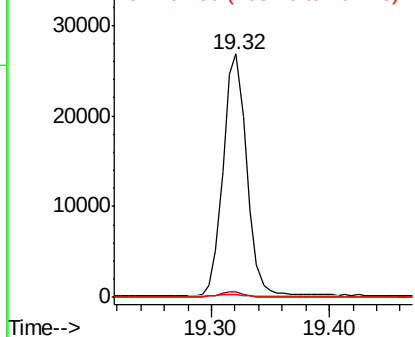
212 100

106 1.9 2.3 3.5#

104 1.1 1.3 1.9#



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: 0.092 ng

RT: 19.35 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

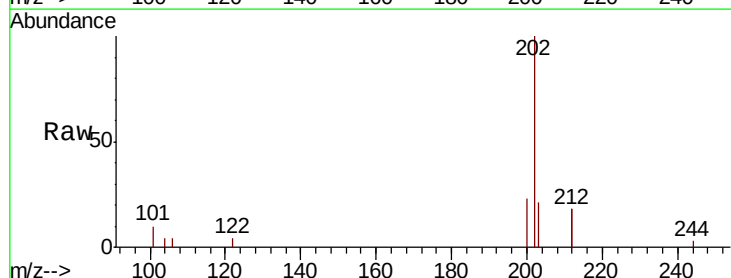
Tgt Ion:202 Resp: 2535

Ion Ratio Lower Upper

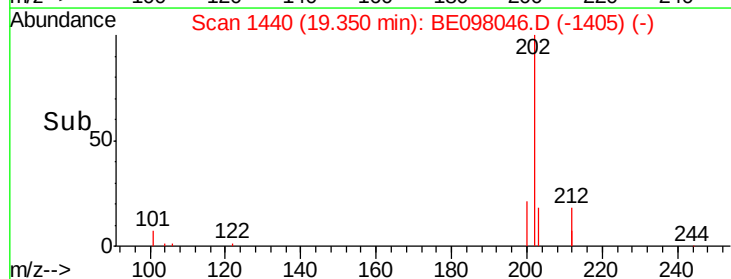
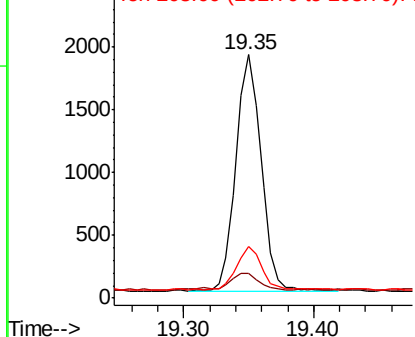
202 100

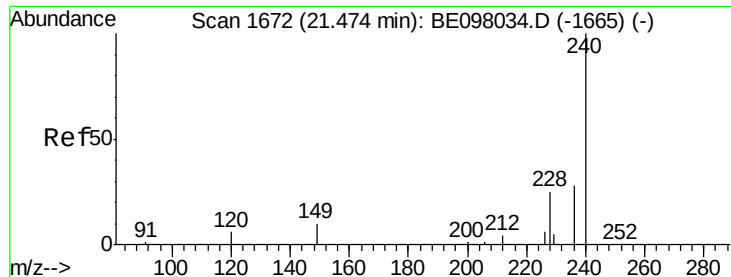
101 8.5 8.2 12.2

203 17.8 15.0 22.4



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: 21.48 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

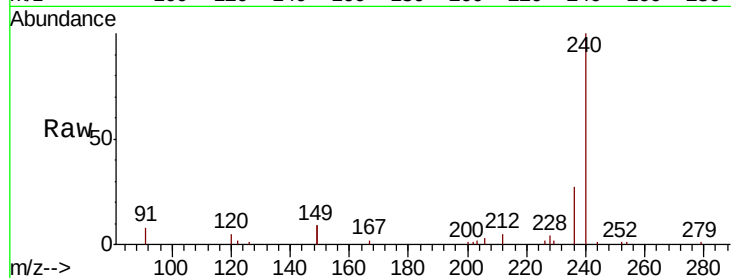
Tgt Ion:240 Resp: 10526

Ion Ratio Lower Upper

240 100

120 5.4 7.1 10.7#

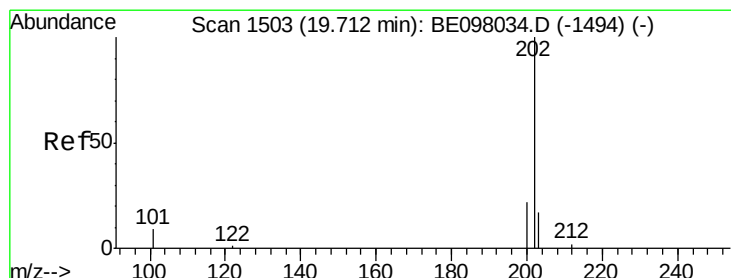
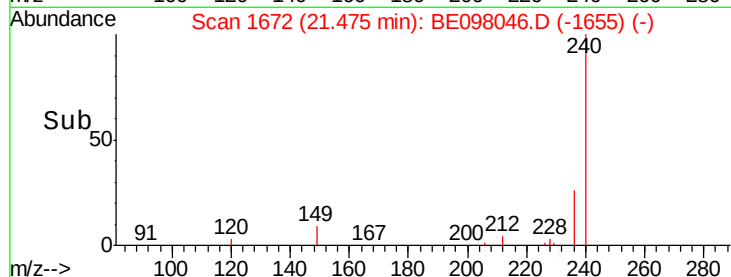
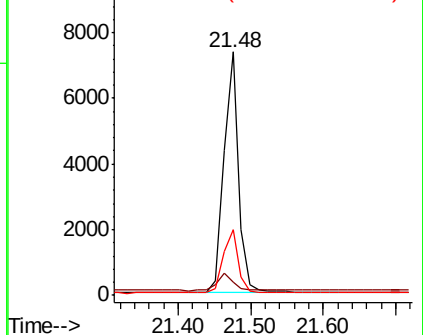
236 27.0 21.3 31.9



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: 0.092 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

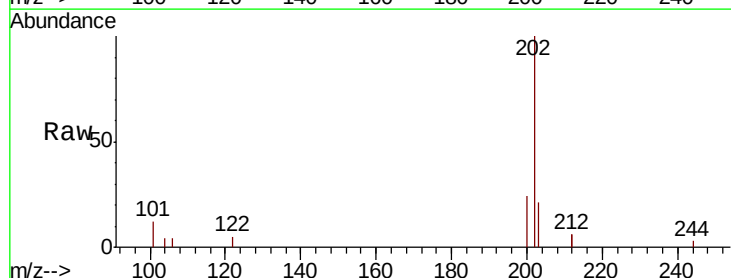
Tgt Ion:202 Resp: 2671

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.4

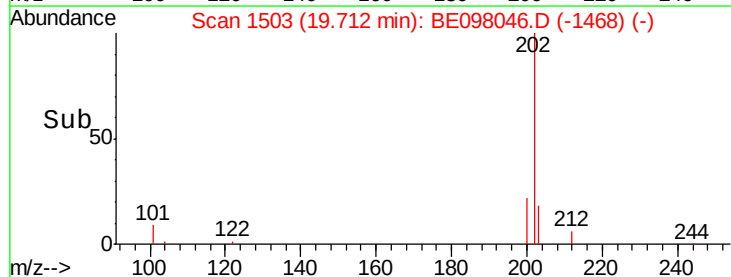
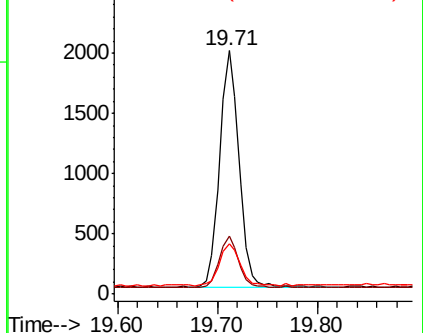
203 18.3 14.2 21.4

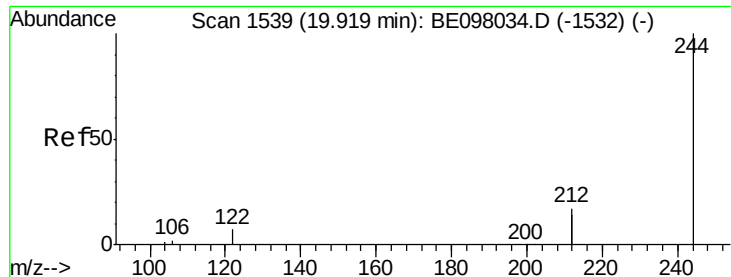


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.323 ng

RT: 19.91 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

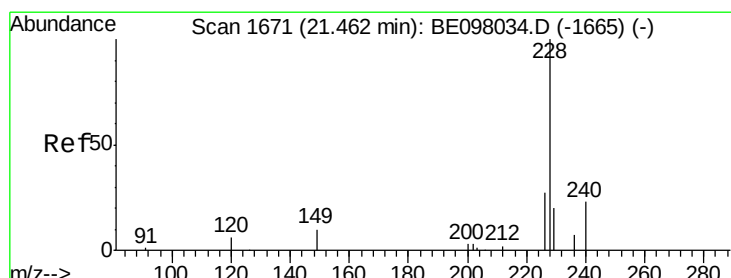
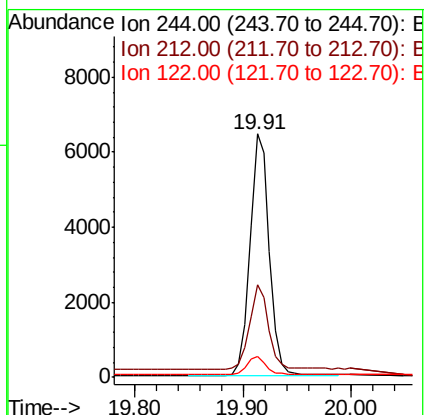
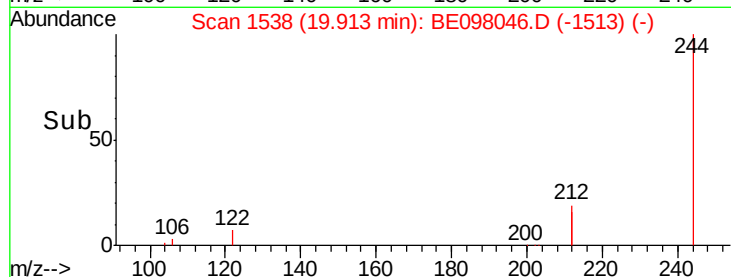
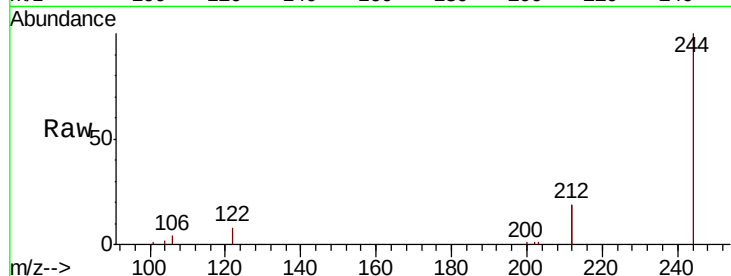
Tgt Ion:244 Resp: 8016

Ion Ratio Lower Upper

244 100

212 38.3 26.2 39.2

122 8.4 7.7 11.5



#30

Benzo(a)anthracene

Concen: 0.094 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

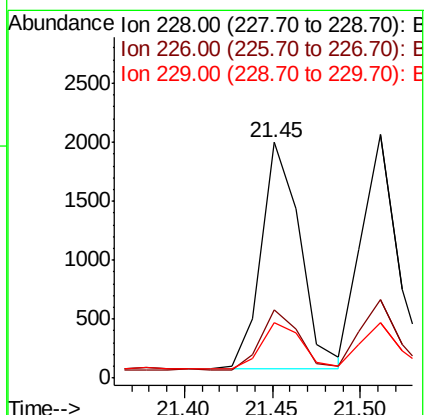
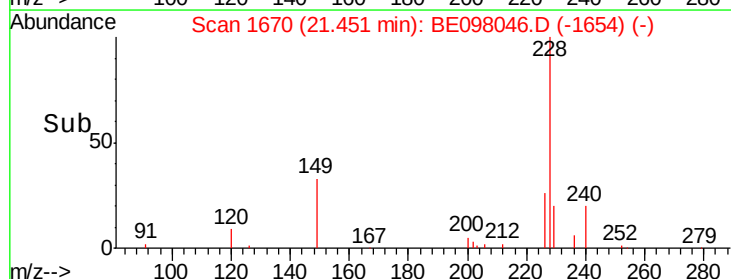
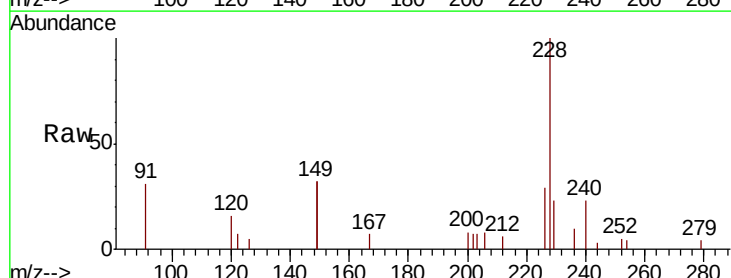
Tgt Ion:228 Resp: 2932

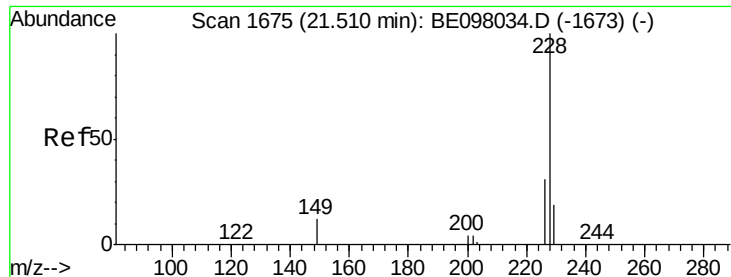
Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

229 23.3 16.9 25.3





#31

Chrysene

Concen: 0.092 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

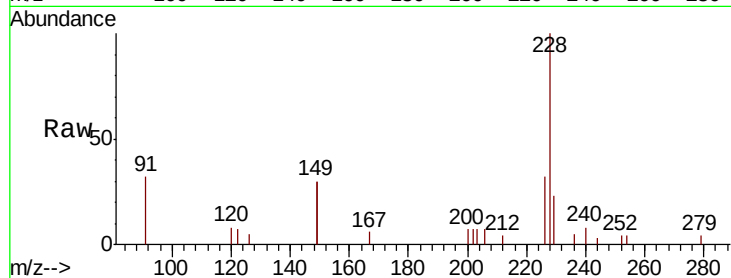
Tgt Ion:228 Resp: 2766

Ion Ratio Lower Upper

228 100

226 32.1 24.3 36.5

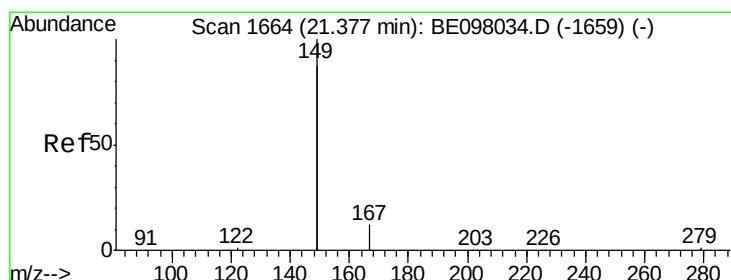
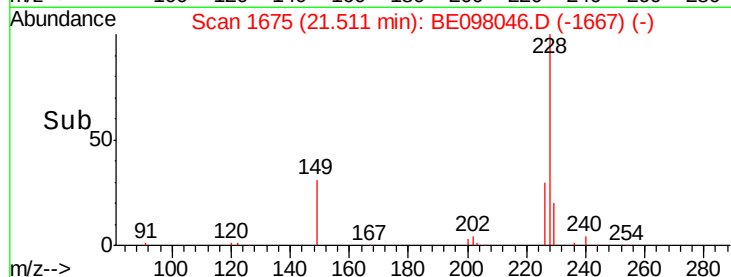
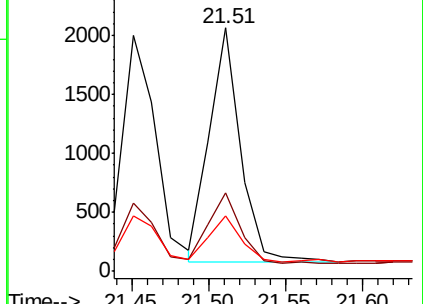
229 22.9 17.3 25.9



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: 0.092 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

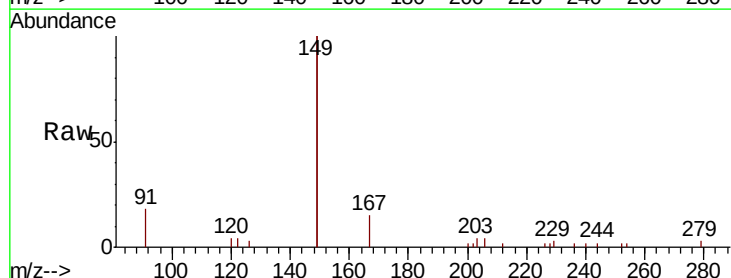
Tgt Ion:149 Resp: 6786

Ion Ratio Lower Upper

149 100

167 7.5 5.6 8.4

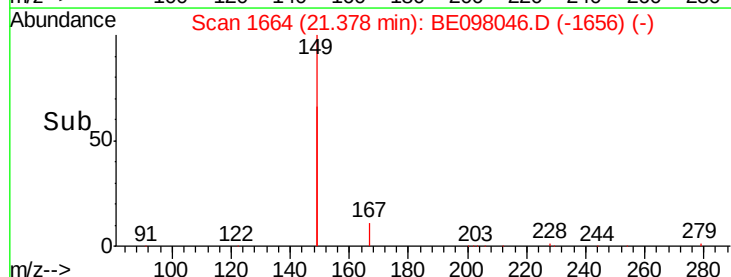
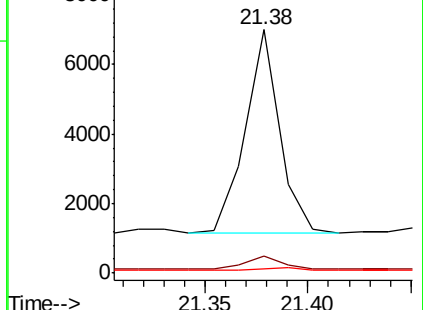
279 1.5 0.9 1.3#

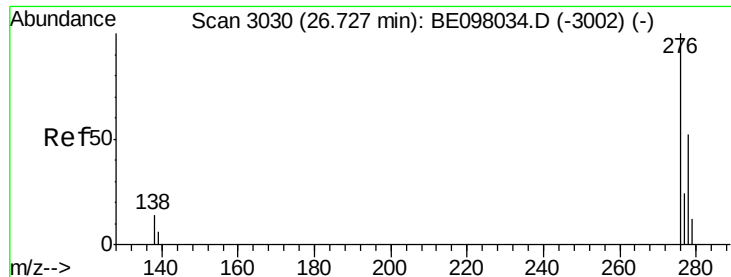


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

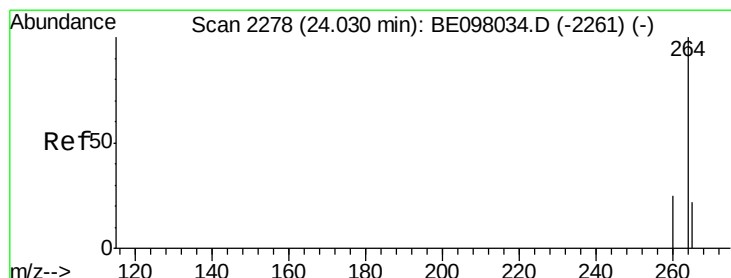
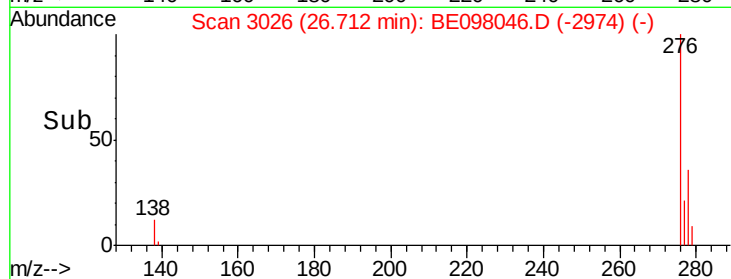
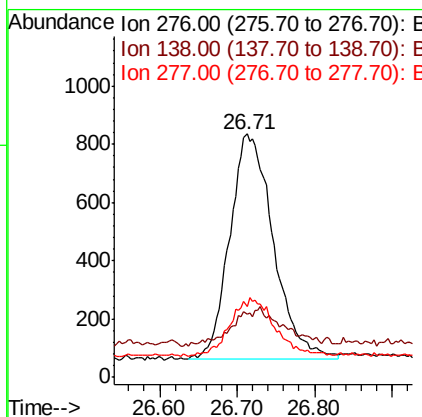
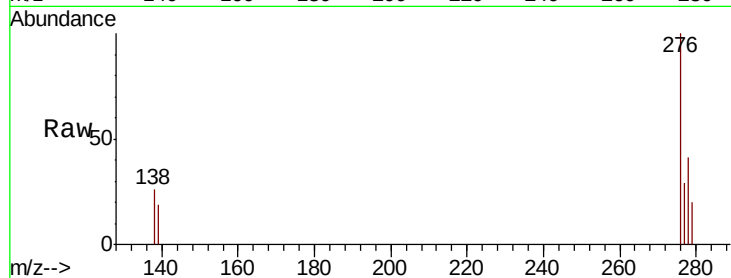




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.092 ng
 RT: 26.71 min Scan# 3026
 Delta R.T. -0.01 min
 Lab File: BE098046.D
 Acq: 24 Oct 2018 19:50

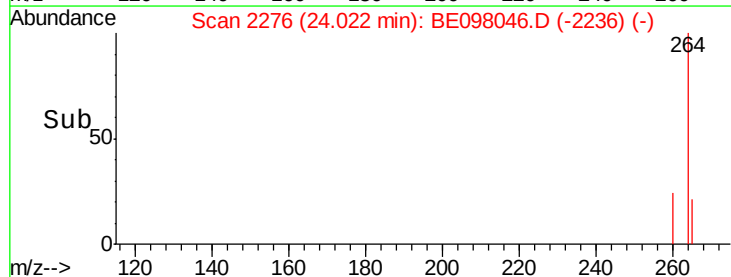
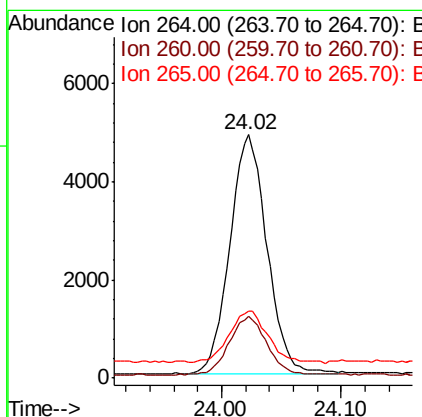
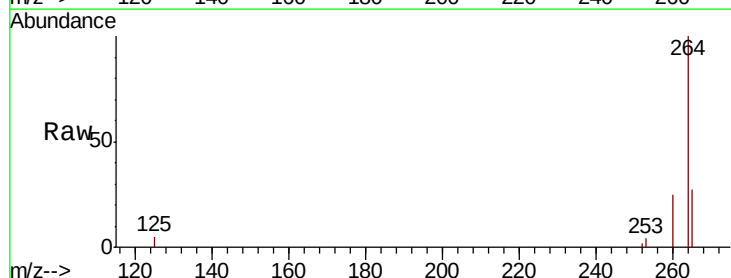
Instrument :
 BNA_E
 ClientSampleId :
 MDL-WATER-03-QT4-2018

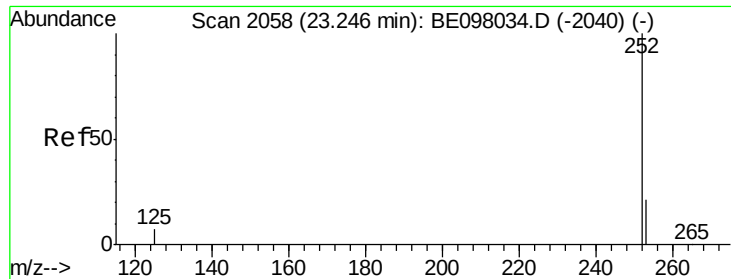
Tgt Ion: 276 Resp: 3044
 Ion Ratio Lower Upper
 276 100
 138 8.0 17.0 25.6#
 277 26.0 20.5 30.7



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.02 min Scan# 2276
 Delta R.T. -0.01 min
 Lab File: BE098046.D
 Acq: 24 Oct 2018 19:50

Tgt Ion: 264 Resp: 10438
 Ion Ratio Lower Upper
 264 100
 260 25.2 21.1 31.7
 265 27.4 29.2 43.8#





#35

Benzo(b)fluoranthene

Concen: 0.095 ng

RT: 23.29 min Scan# 2070

Delta R.T. 0.04 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

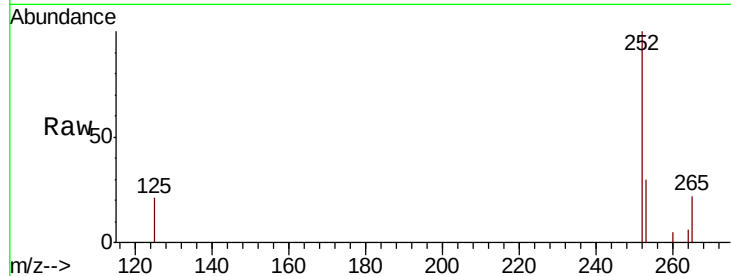
Tgt Ion:252 Resp: 2746

Ion Ratio Lower Upper

252 100

253 30.4 20.6 31.0

125 20.8 14.3 21.5

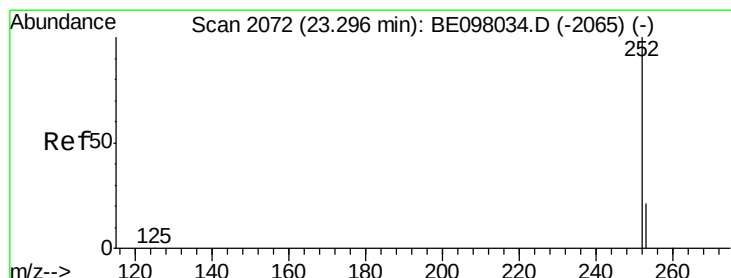
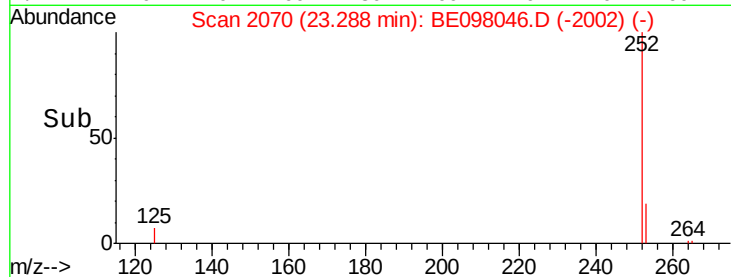
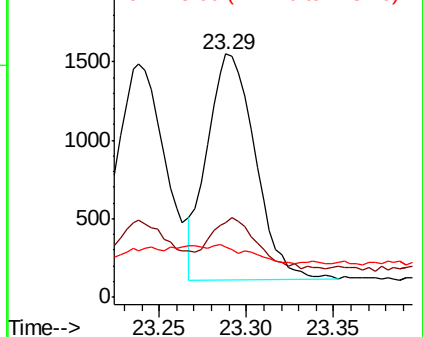


Abundance

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: 0.091 ng

RT: 23.29 min Scan# 2070

Delta R.T. -0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

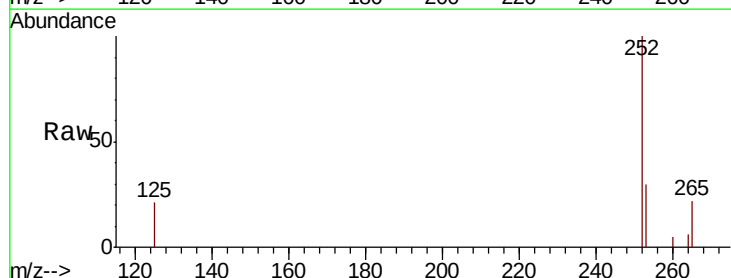
Tgt Ion:252 Resp: 2746

Ion Ratio Lower Upper

252 100

253 30.4 20.4 30.6

125 20.8 14.6 21.8

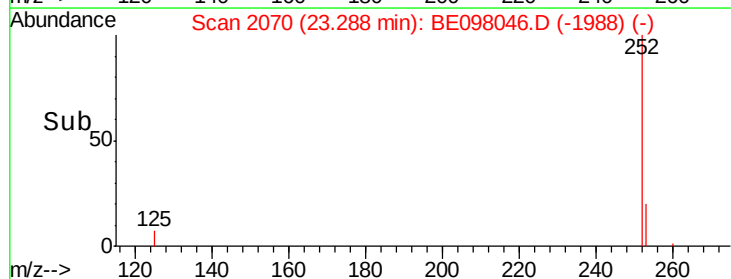
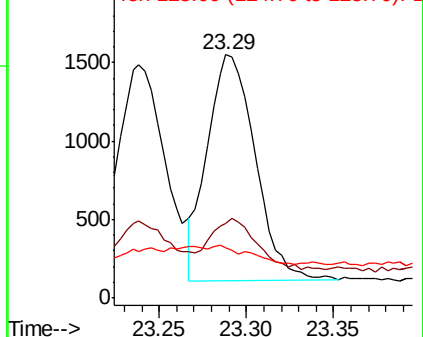


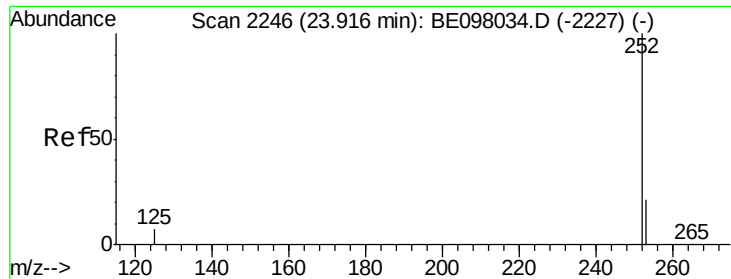
Abundance

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: 0.093 ng

RT: 23.90 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018

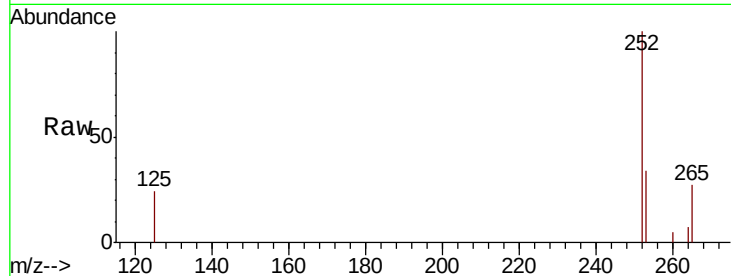
Tgt Ion: 252 Resp: 2662

Ion Ratio Lower Upper

252 100

253 34.4 20.6 31.0#

125 23.7 15.6 23.4#

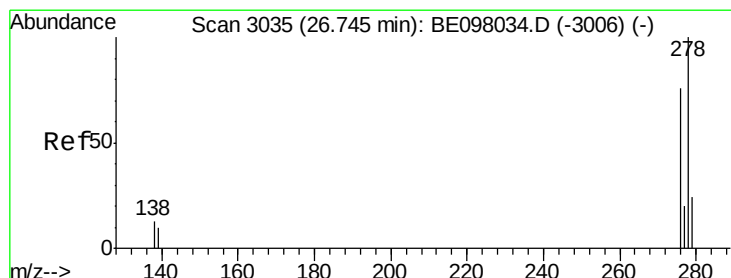
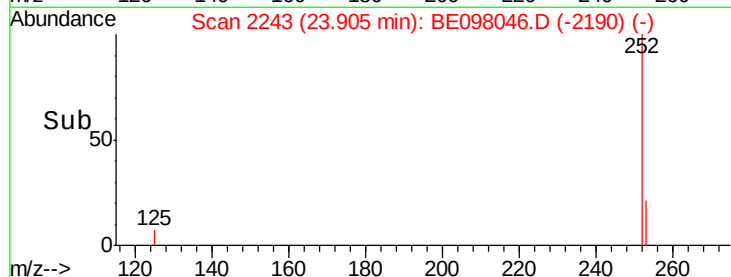
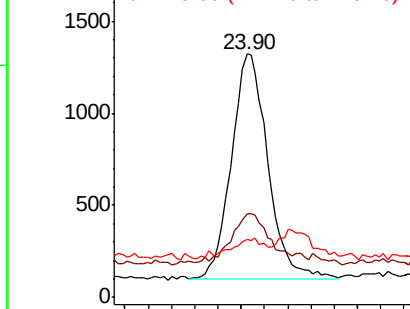


Abundance

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: 0.089 ng

RT: 26.75 min Scan# 3036

Delta R.T. 0.00 min

Lab File: BE098046.D

Acq: 24 Oct 2018 19:50

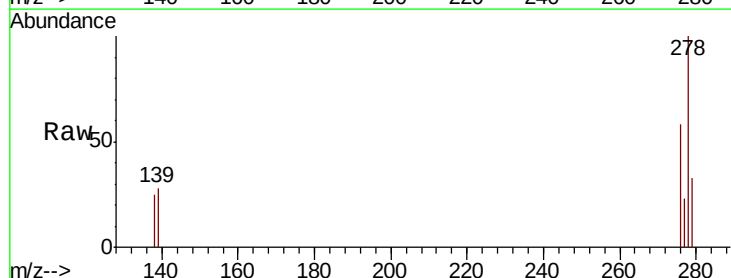
Tgt Ion: 278 Resp: 2462

Ion Ratio Lower Upper

278 100

139 28.5 16.3 24.5#

279 32.9 21.4 32.2#

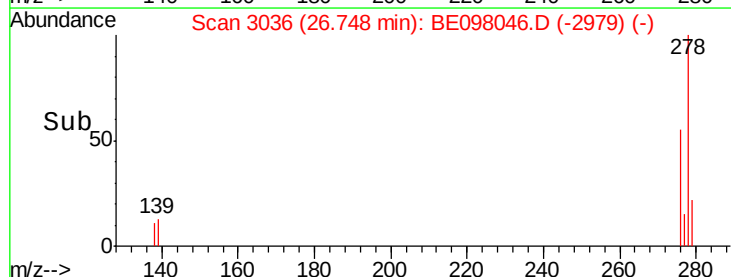
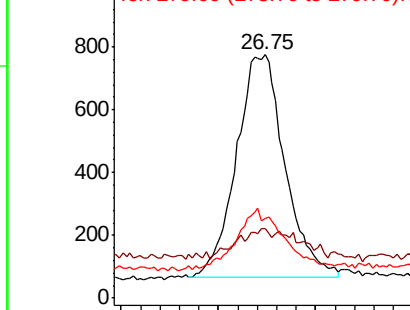


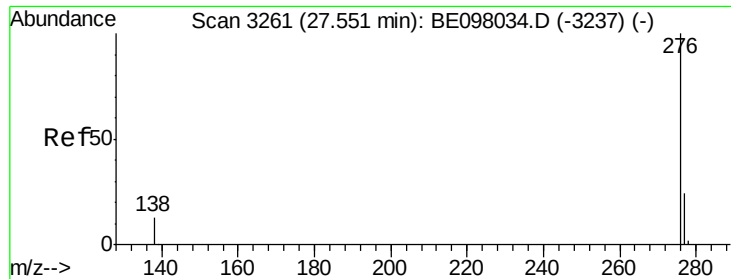
Abundance

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(g,h,i)perylene

Concen: 0.091 ng

RT: 27.54 min Scan# 3259

Delta R.T. -0.01 min

Lab File: BE098046.D

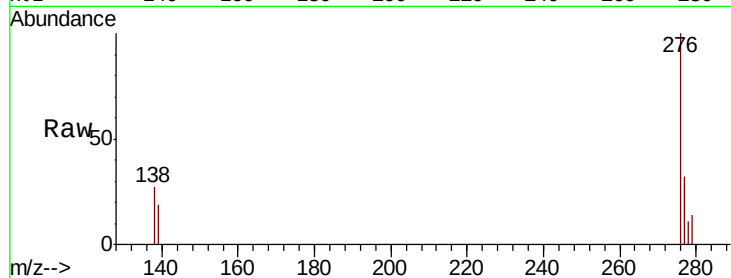
Acq: 24 Oct 2018 19:50

Instrument :

BNA_E

ClientSampleId :

MDL-WATER-03-QT4-2018



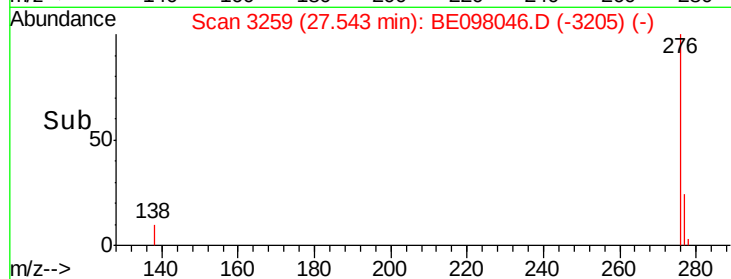
Tgt Ion: 276 Resp: 2498

Ion Ratio Lower Upper

276 100

277 31.6 22.1 33.1

138 27.3 19.3 28.9



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

