

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE102418\
 Data File : BE098045.D
 Acq On : 24 Oct 2018 19:12
 Operator : SJ/JU
 Sample : J5164-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-WATER-02-QT4-2018

Quant Time: Oct 25 04:03:33 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	7.87	152	1021	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	5240	0.40	ng	0.00
13) Acenaphthene-d10	14.54	164	3736	0.40	ng	0.00
19) Phenanthrene-d10	17.29	188	9239	0.40	ng	0.00
27) Chrysene-d12	21.48	240	10875	0.40	ng	0.00
34) Perylene-d12	24.02	264	10679	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1290	0.42	ng	0.00
5) Phenol-d6	7.06	99	2177	0.42	ng	0.00
8) Nitrobenzene-d5	9.03	82	2376	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.28	152	3728	0.40	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	688	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.16	172	6028	0.40	ng	0.00
25) Fluoranthene-d10	19.32	212	45843	0.39	ng	0.00
29) Terphenyl-d14	19.92	244	9692	0.38	ng	0.00

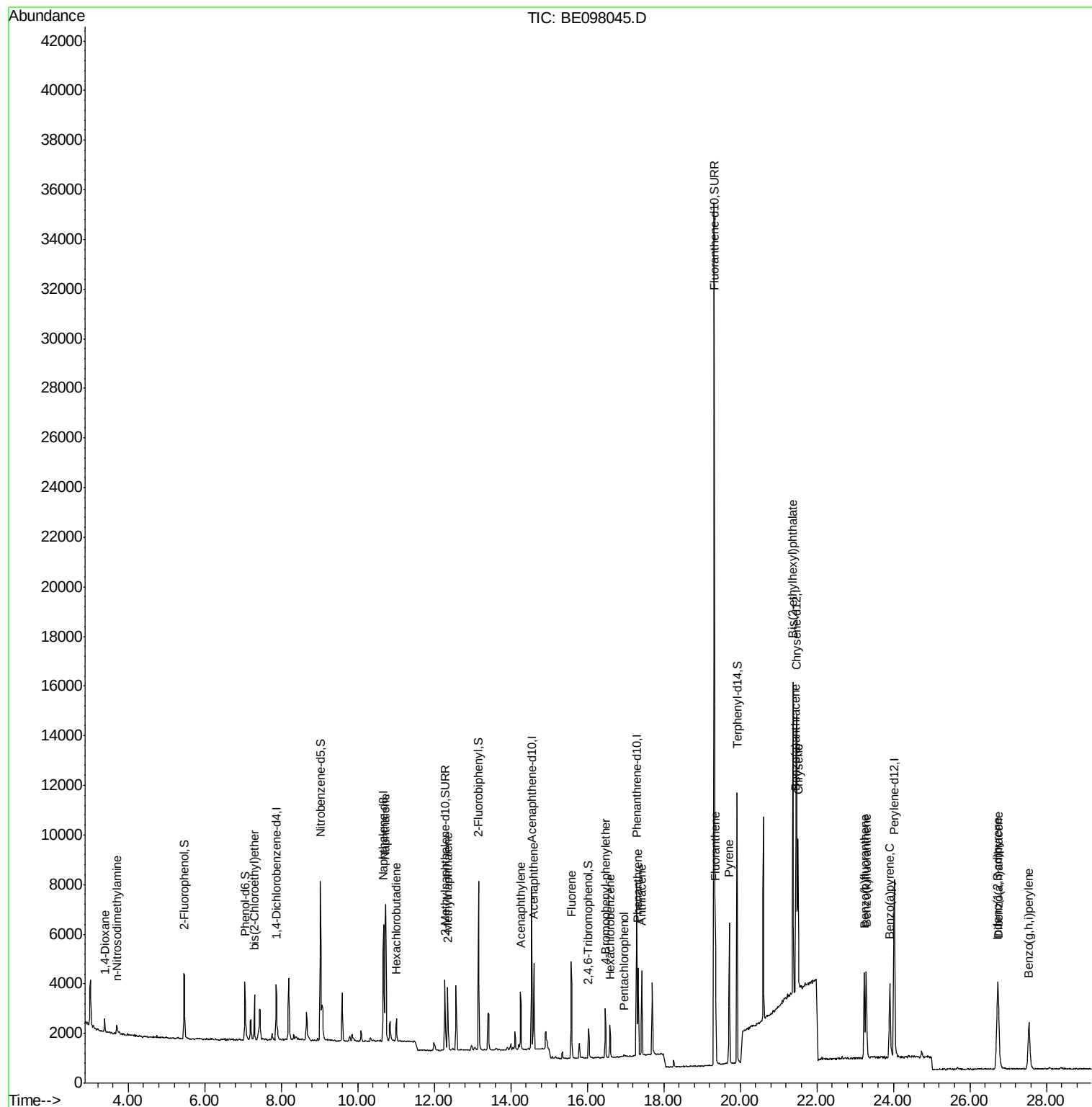
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	307	0.195	ng	96
3) n-Nitrosodimethylamine	3.70	42	325	0.155	ng	# 92
6) bis(2-Chloroethyl)ether	7.30	93	626	0.174	ng	90
9) Naphthalene	10.73	128	9171	0.176	ng	# 97
10) Hexachlorobutadiene	11.02	225	664	0.188	ng	94
12) 2-Methylnaphthalene	12.35	142	1655	0.176	ng	# 91
16) Acenaphthylene	14.26	152	2933	0.173	ng	99
17) Acenaphthene	14.60	154	1783	0.174	ng	99
18) Fluorene	15.58	166	2328	0.169	ng	96
20) 4-Bromophenyl-phenylether	16.47	248	964	0.173	ng	# 89
21) Hexachlorobenzene	16.59	284	1051	0.181	ng	99
22) Pentachlorophenol	16.95	266	94	0.194	ng	# 79
23) Phenanthrene	17.33	178	3770	0.166	ng	98
24) Anthracene	17.42	178	3703	0.166	ng	99
26) Fluoranthene	19.35	202	4781	0.169	ng	# 96
28) Pyrene	19.71	202	5064	0.169	ng	99
30) Benzo(a)anthracene	21.45	228	5549	0.173	ng	99
31) Chrysene	21.51	228	5222	0.167	ng	100
32) Bis(2-ethylhexyl)phthalate	21.38	149	12745	0.167	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.72	276	5747	0.168	ng	# 94
35) Benzo(b)fluoranthene	23.24	252	5101	0.172	ng	# 94
36) Benzo(k)fluoranthene	23.29	252	5320	0.173	ng	# 94
37) Benzo(a)pyrene	23.91	252	5014	0.172	ng	93
38) Dibenzo(a,h)anthracene	26.74	278	4728	0.166	ng	# 91
39) Benzo(g,h,i)perylene	27.55	276	4853	0.172	ng	95

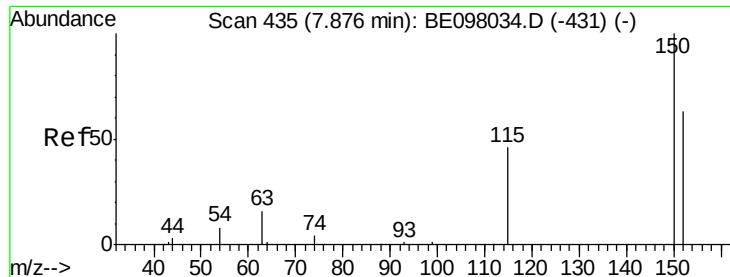
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 24 13:49:35 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.87 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

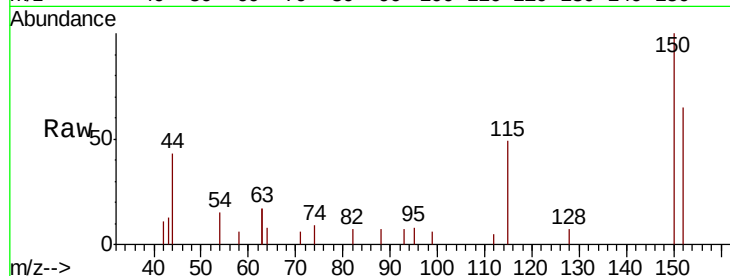
Tgt Ion:152 Resp: 1021

Ion Ratio Lower Upper

152 100

150 153.5 118.2 177.4

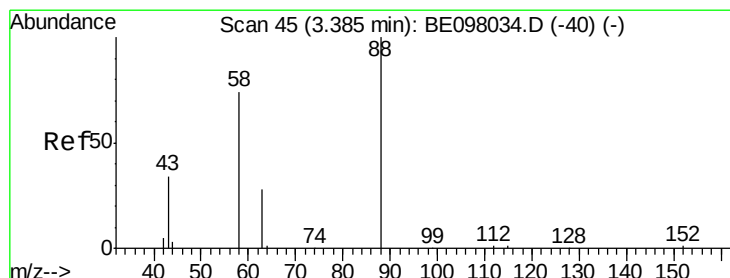
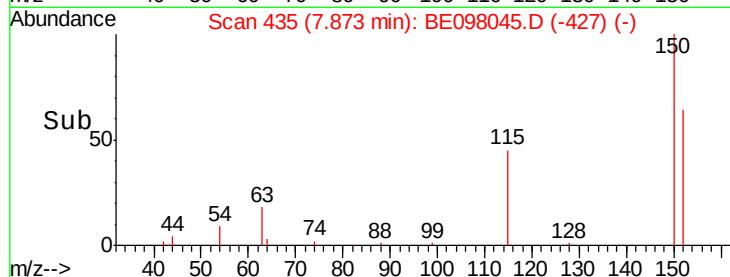
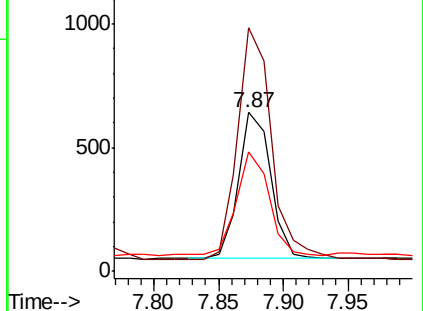
115 75.5 50.9 76.3



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: 0.195 ng

RT: 3.38 min Scan# 45

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

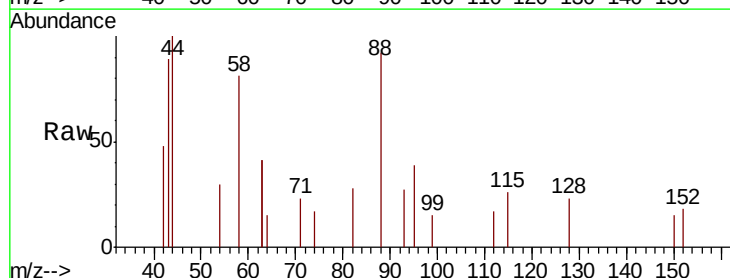
Tgt Ion: 88 Resp: 307

Ion Ratio Lower Upper

88 100

58 92.5 73.2 109.8

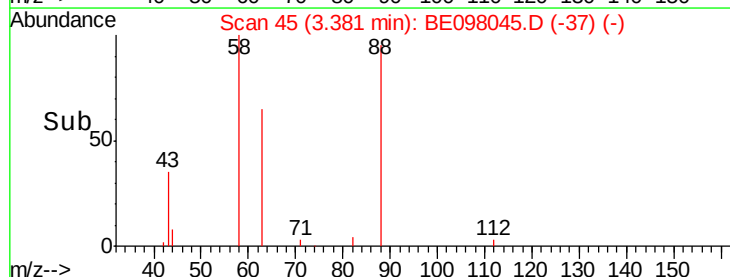
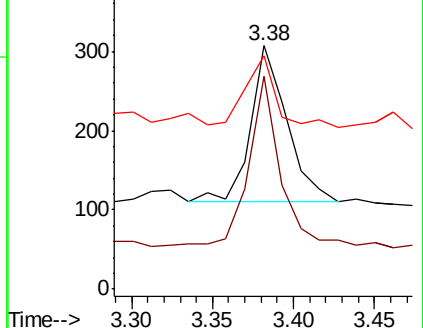
43 39.1 36.9 55.3

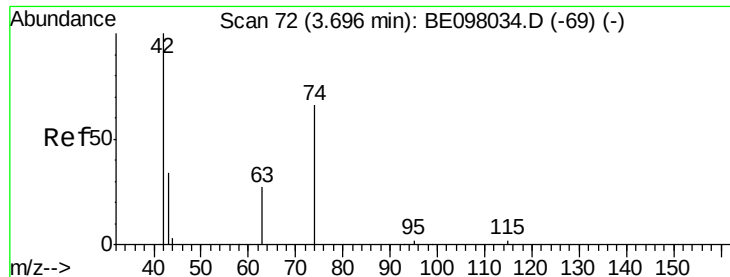


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.155 ng

RT: 3.70 min Scan# 73

Delta R.T. 0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

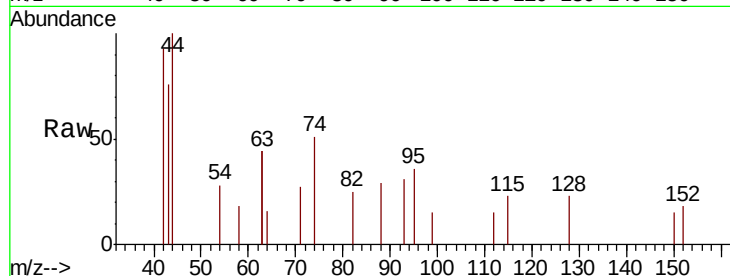
Tgt Ion: 42 Resp: 325

Ion Ratio Lower Upper

42 100

74 91.1 77.6 116.4

44 0.0 7.6 11.4#



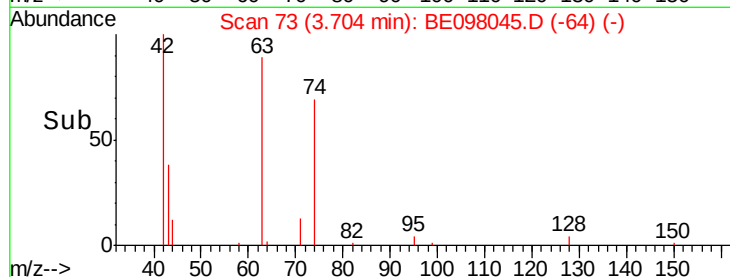
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

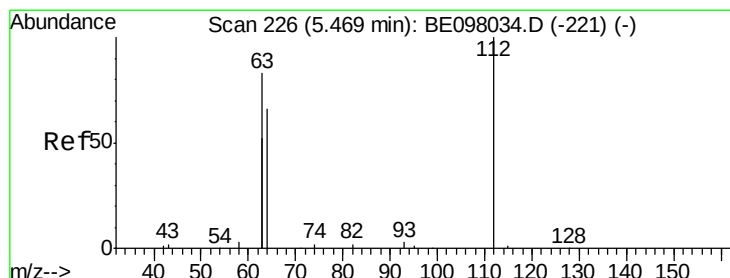
Ion 44.00 (43.70 to 44.70): BE0

3.70

3.75



Time-->



#4

2-Fluorophenol

Concen: 0.417 ng

RT: 5.47 min Scan# 226

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

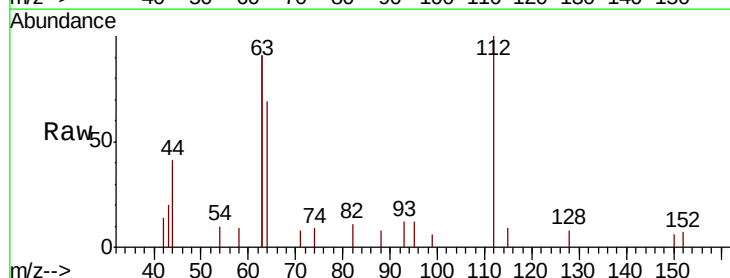
Tgt Ion: 112 Resp: 1290

Ion Ratio Lower Upper

112 100

64 83.9 58.9 88.3

63 200.5 120.3 180.5#



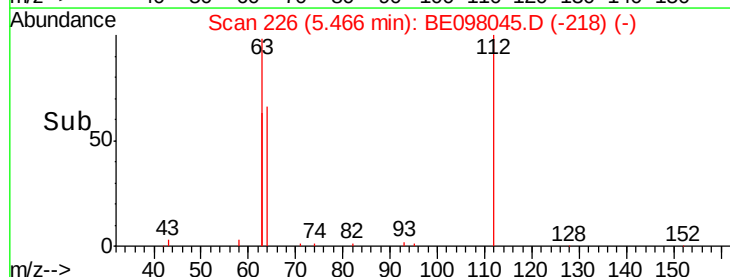
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

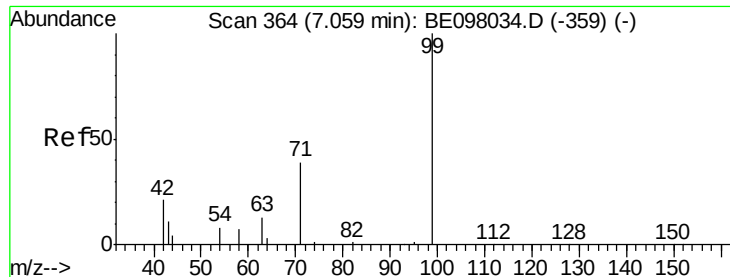
Ion 63.00 (62.70 to 63.70): BE0

5.47

5.50



Time-->



#5

Phenol-d6

Concen: 0.423 ng

RT: 7.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

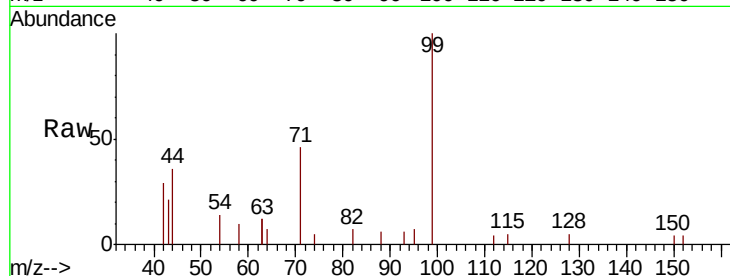
Tgt Ion: 99 Resp: 2177

Ion Ratio Lower Upper

99 100

42 32.3 19.9 29.9#

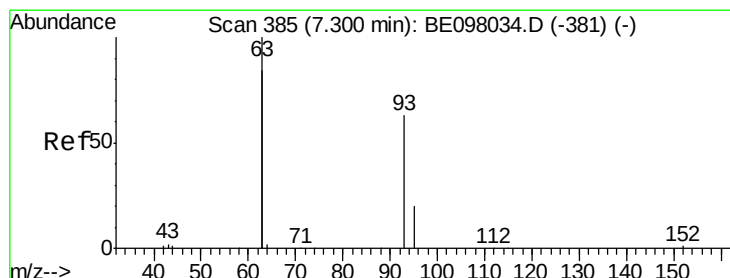
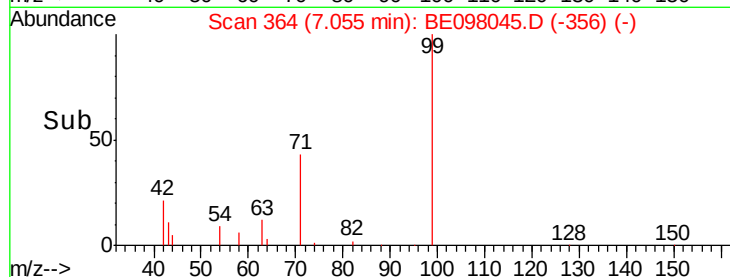
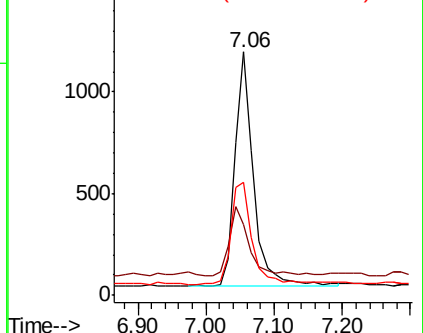
71 52.1 27.8 41.8#



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: 0.174 ng

RT: 7.30 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

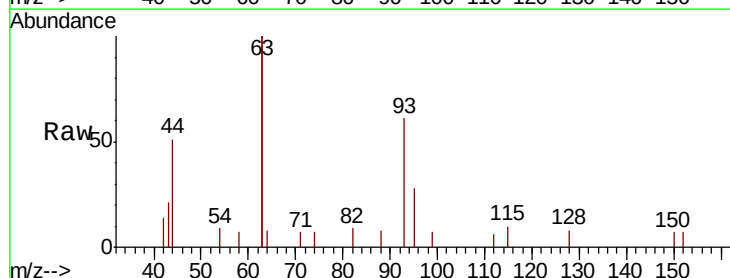
Tgt Ion: 93 Resp: 626

Ion Ratio Lower Upper

93 100

63 345.7 259.0 388.4

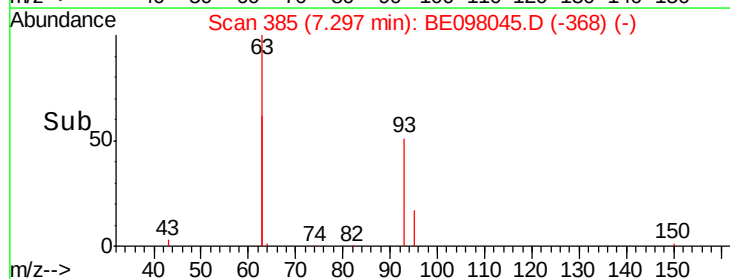
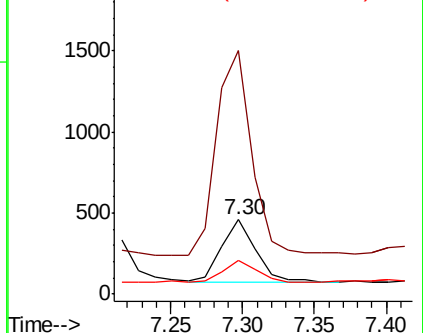
95 39.9 27.8 41.8

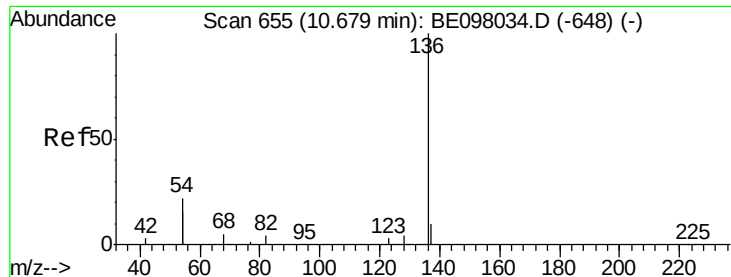


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

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LOQ-WATER-02-QT4-2018

Tgt Ion: 136 Resp: 5240

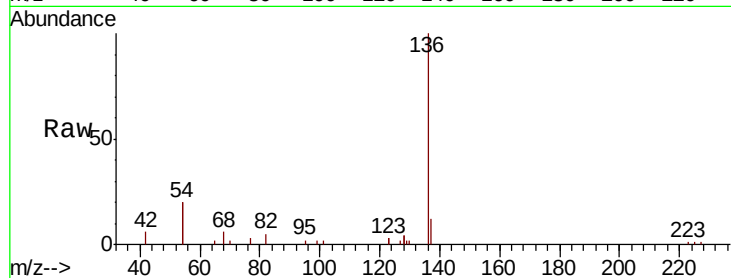
Ion Ratio Lower Upper

136 100

137 11.8 9.6 14.4

54 40.8 27.7 41.5

68 6.3 5.3 7.9

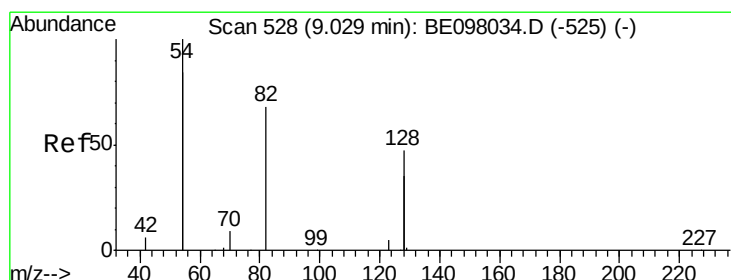
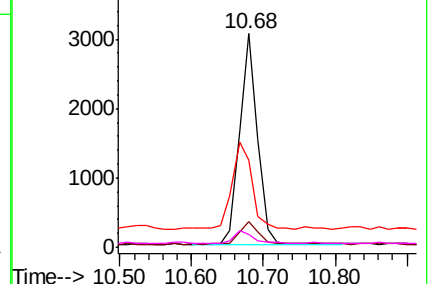
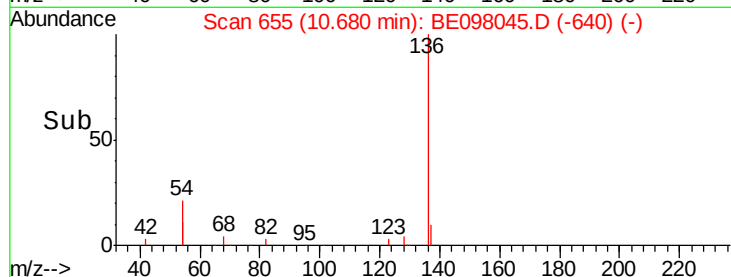


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.426 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

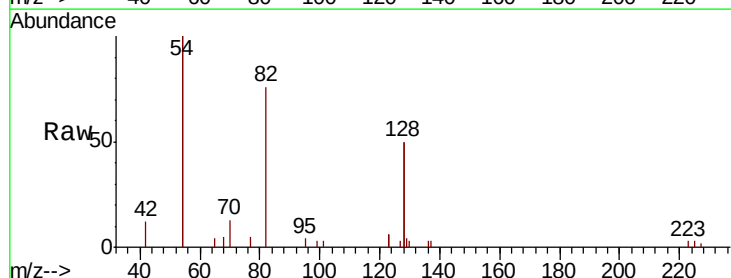
Tgt Ion: 82 Resp: 2376

Ion Ratio Lower Upper

82 100

128 131.5 129.9 194.9

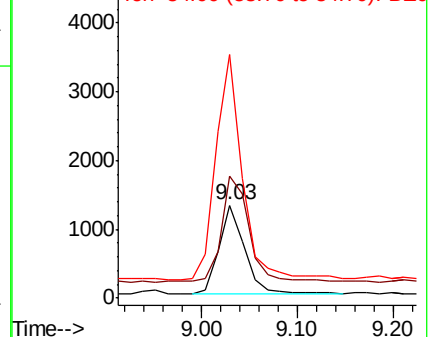
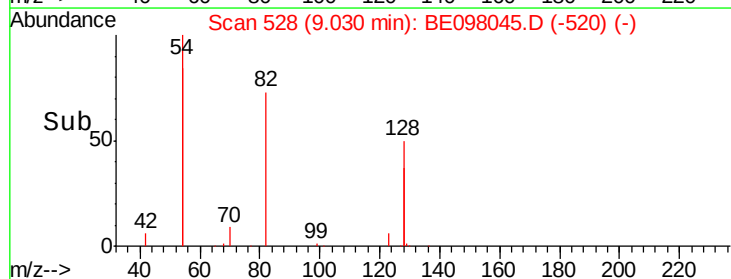
54 261.9 174.0 261.0#

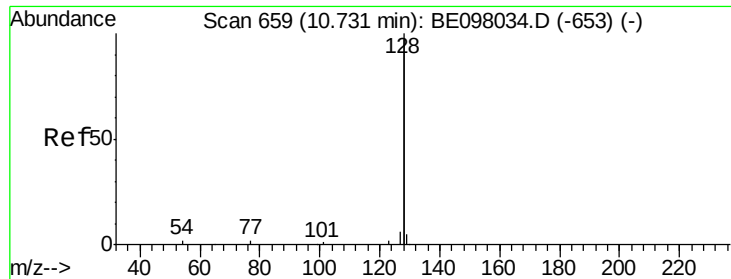


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.176 ng

RT: 10.73 min Scan# 659

Delta R.T. 0.00 min

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LOQ-WATER-02-QT4-2018

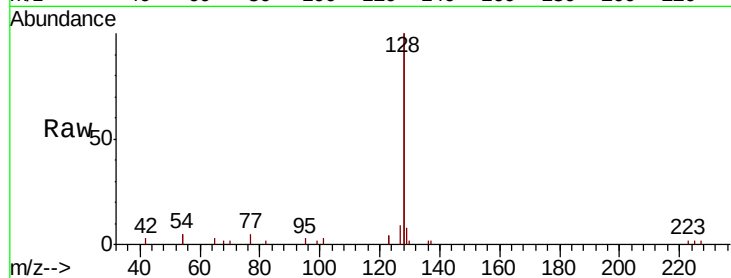
Tgt Ion:128 Resp: 9171

Ion Ratio Lower Upper

128 100

129 4.0 2.5 3.7#

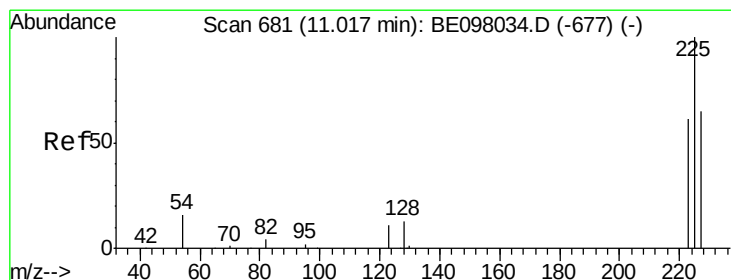
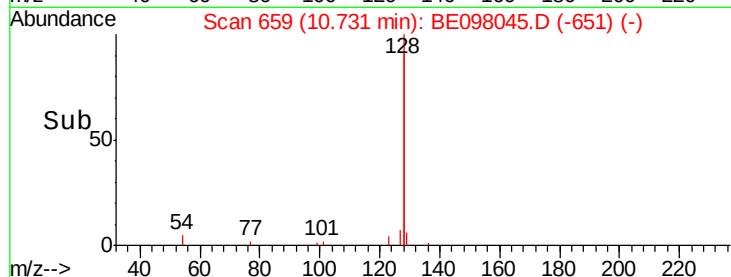
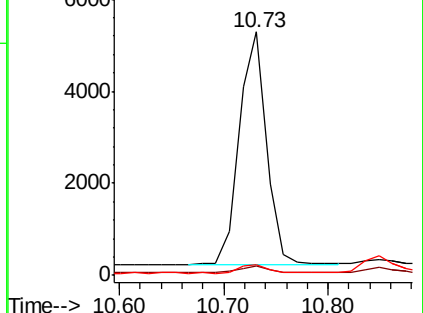
127 4.3 2.8 4.2#



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: 0.188 ng

RT: 11.02 min Scan# 681

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

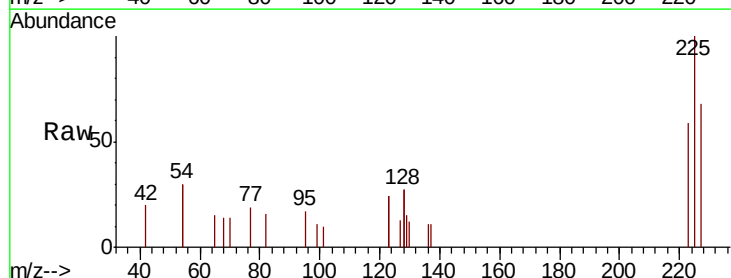
Tgt Ion:225 Resp: 664

Ion Ratio Lower Upper

225 100

223 60.4 51.8 77.8

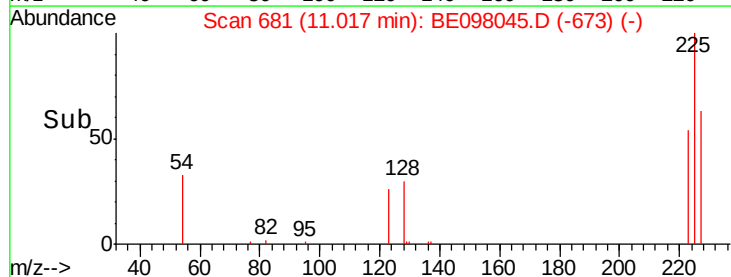
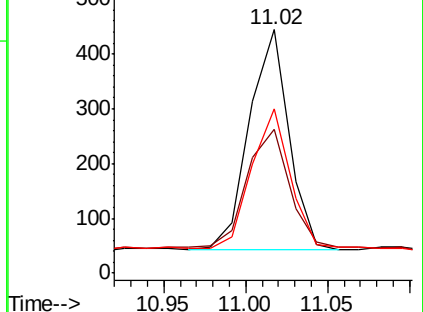
227 61.4 53.0 79.6

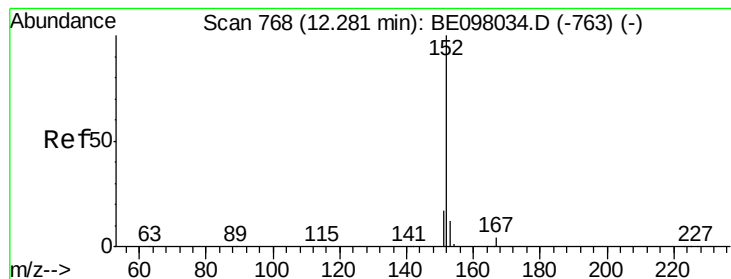


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.401 ng

RT: 12.28 min Scan# 768

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

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ClientSampleId :

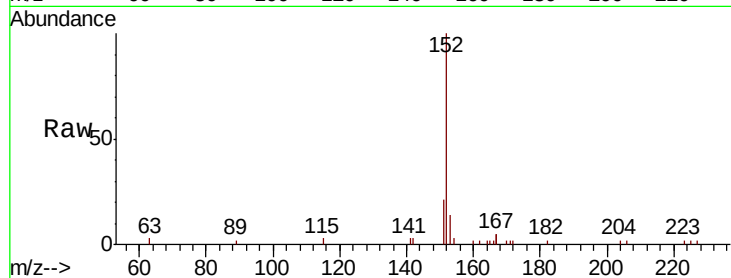
LOQ-WATER-02-QT4-2018

Tgt Ion:152 Resp: 3728

Ion Ratio Lower Upper

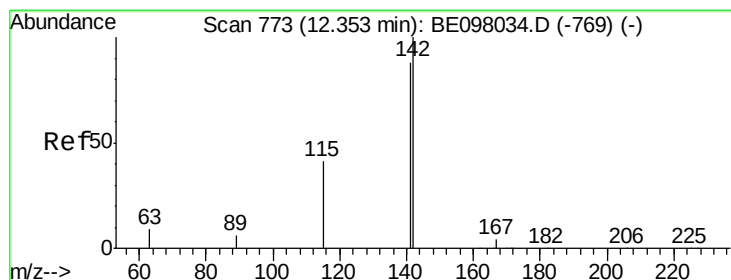
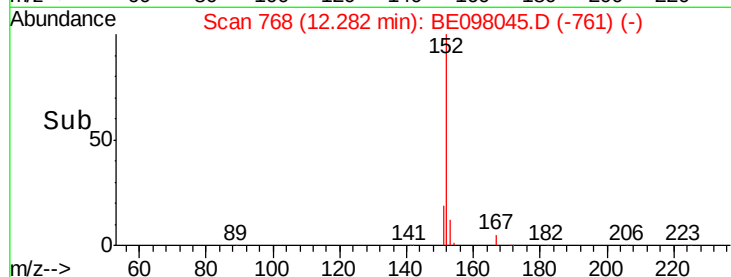
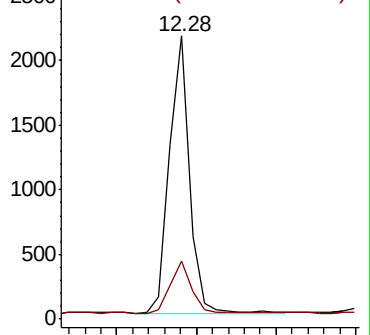
152 100

151 20.9 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.176 ng

RT: 12.35 min Scan# 773

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

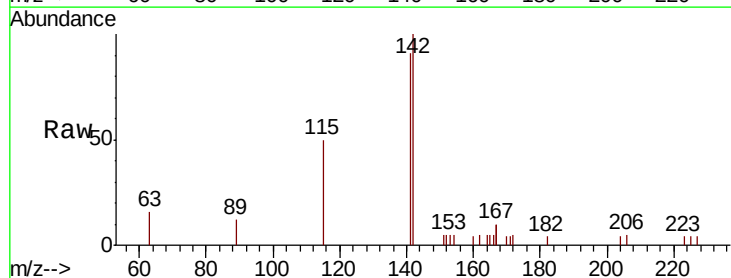
Tgt Ion:142 Resp: 1655

Ion Ratio Lower Upper

142 100

141 91.2 69.8 104.6

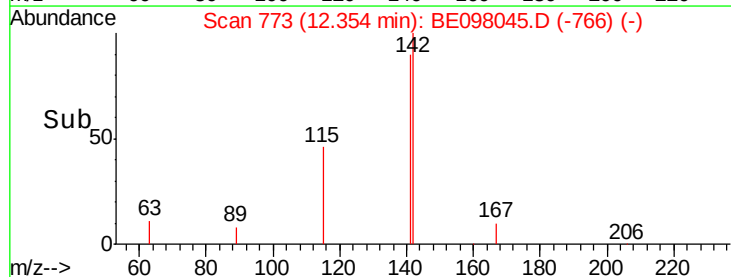
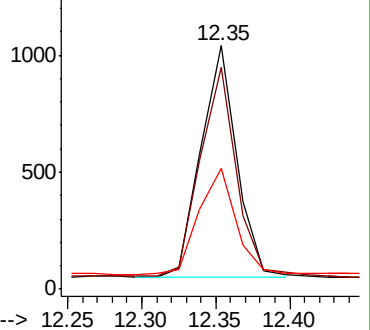
115 49.7 30.5 45.7#

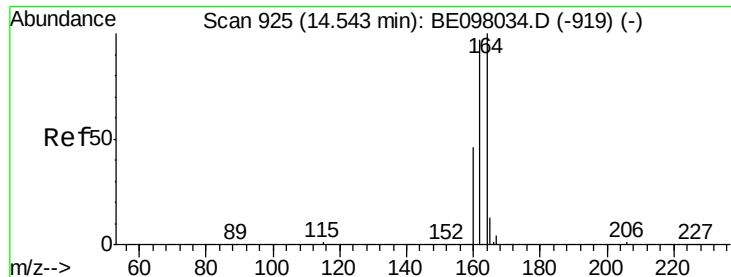


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

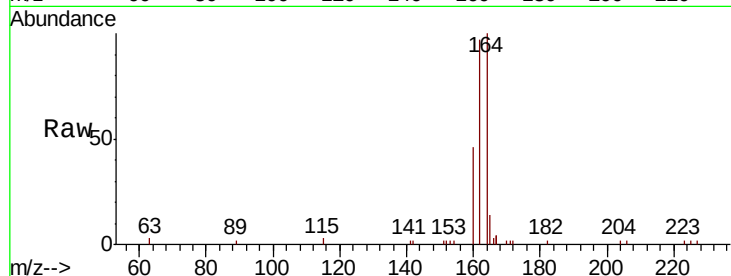




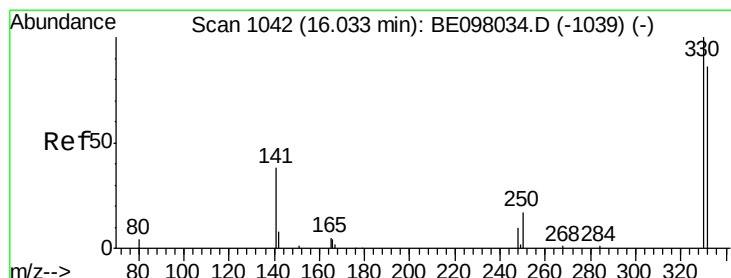
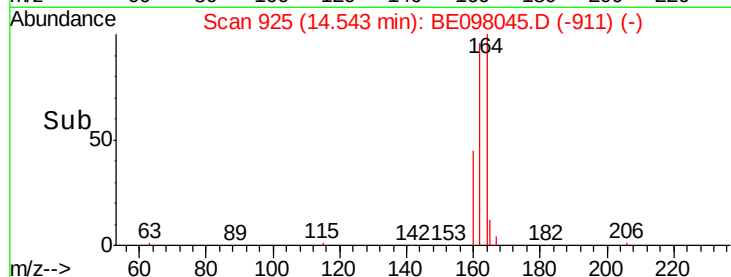
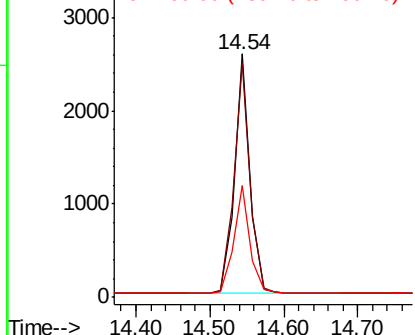
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:164 Resp: 3736
Ion Ratio Lower Upper
164 100
162 96.5 77.4 116.2
160 45.7 36.5 54.7

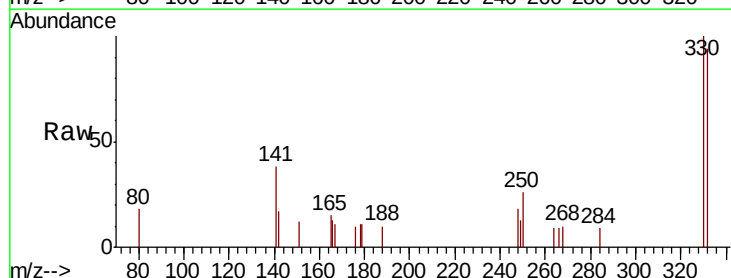


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

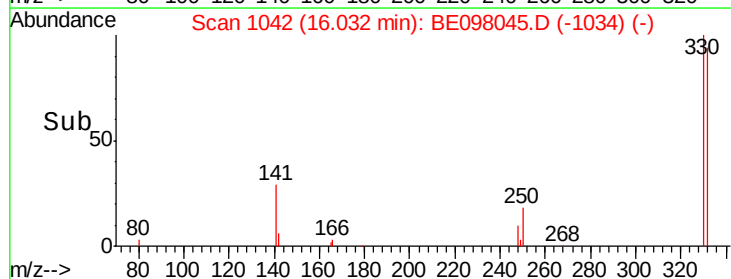
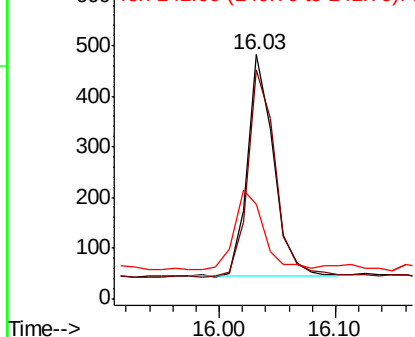


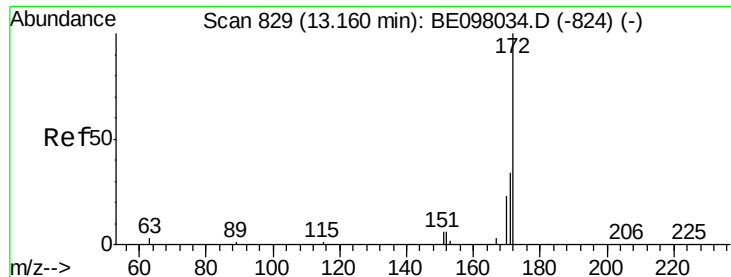
#14
2,4,6-Tribromophenol
Concen: 0.366 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:330 Resp: 688
Ion Ratio Lower Upper
330 100
332 99.7 76.5 114.7
141 39.7 31.8 47.6



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

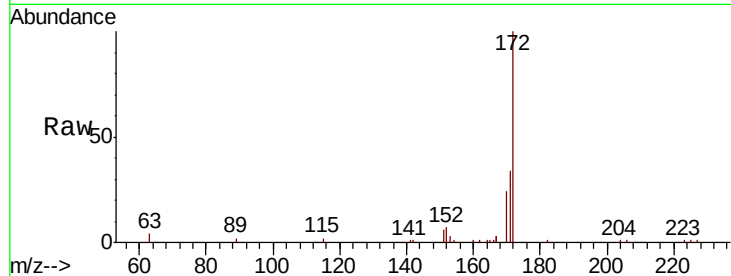




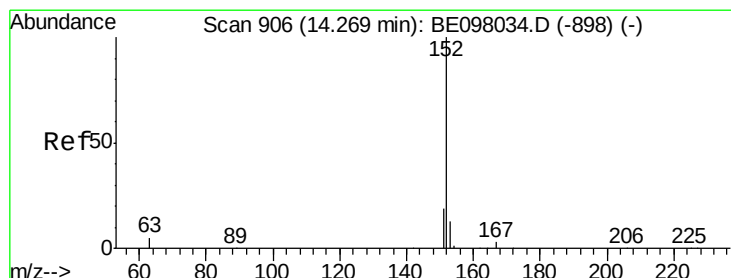
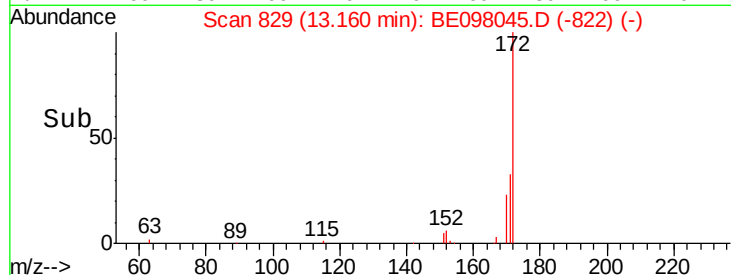
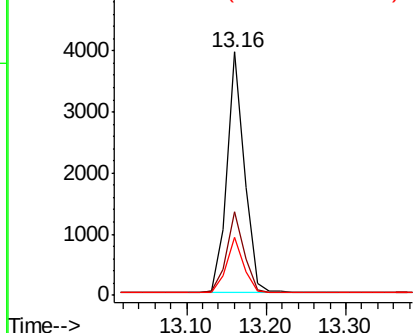
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:172 Resp: 6028
Ion Ratio Lower Upper
172 100
171 34.3 26.0 39.0
170 23.6 18.0 27.0

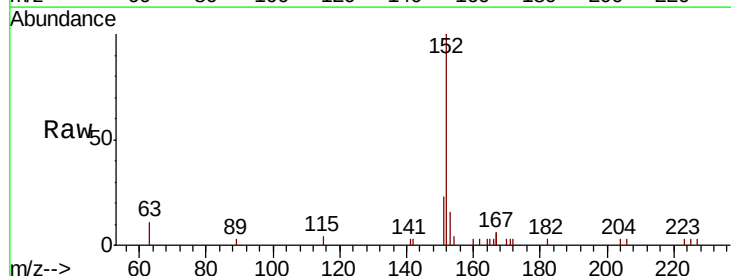


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

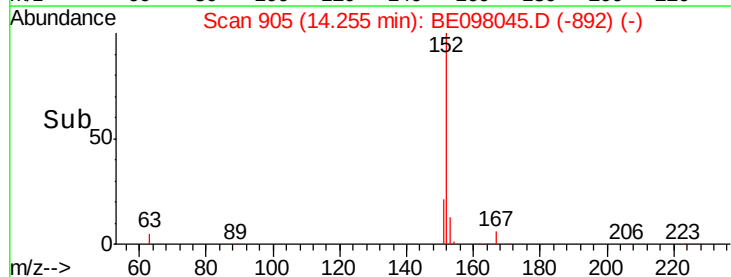
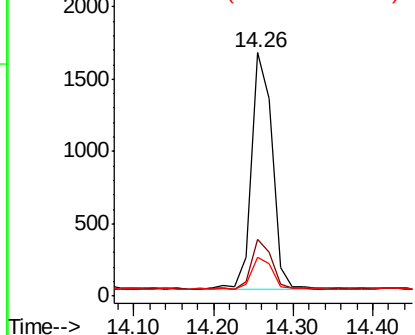


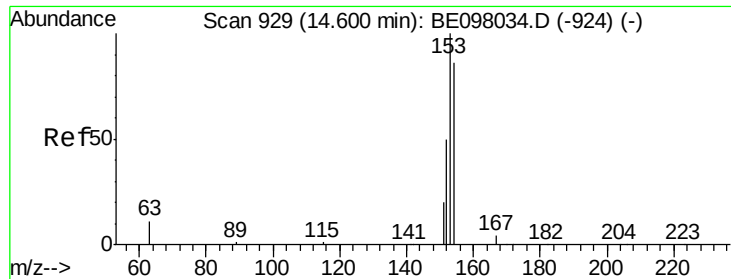
#16
Acenaphthylene
Concen: 0.173 ng
RT: 14.26 min Scan# 905
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:152 Resp: 2933
Ion Ratio Lower Upper
152 100
151 20.6 16.1 24.1
153 13.9 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

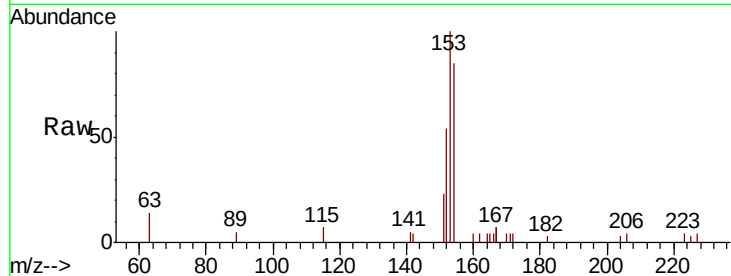




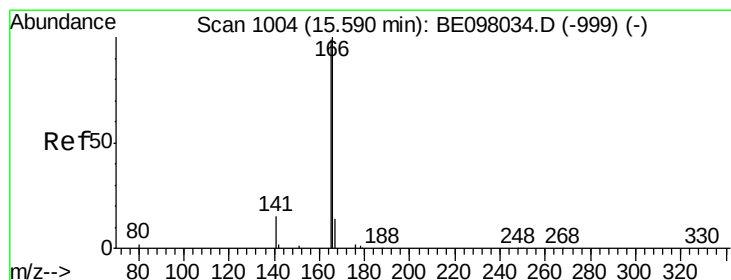
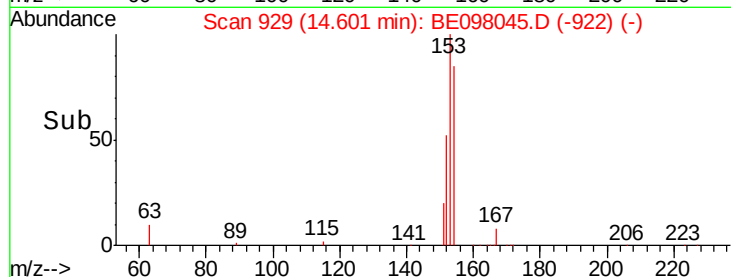
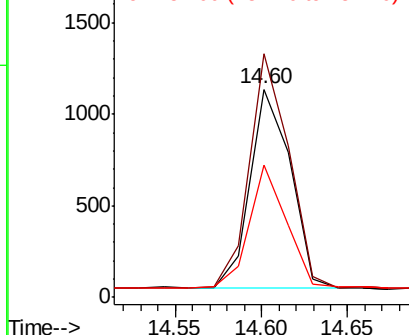
#17
Acenaphthene
Concen: 0.174 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT4-2018

Tgt Ion:154 Resp: 1783
Ion Ratio Lower Upper
154 100
153 114.5 92.6 139.0
152 57.3 45.5 68.3

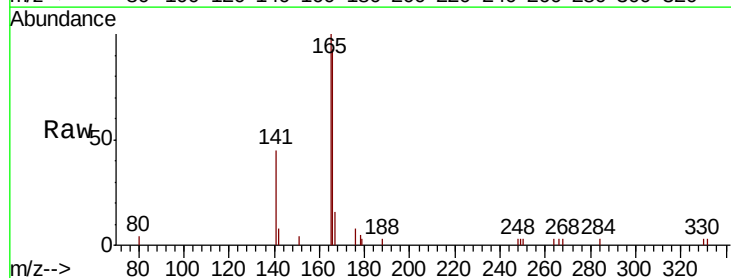


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

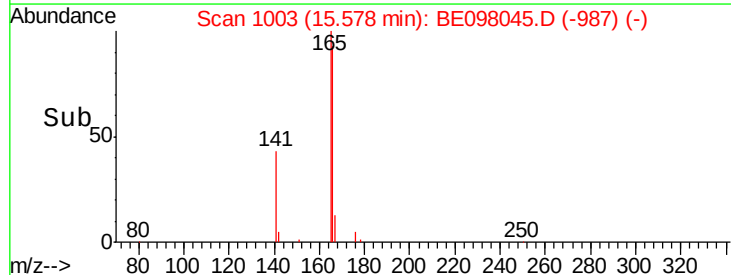
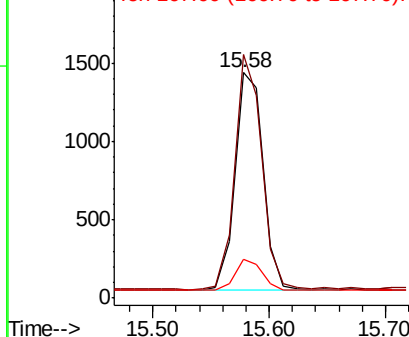


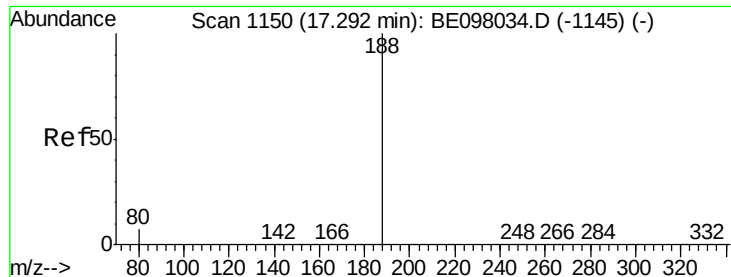
#18
Fluorene
Concen: 0.169 ng
RT: 15.58 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BE098045.D
Acq: 24 Oct 2018 19:12

Tgt Ion:166 Resp: 2328
Ion Ratio Lower Upper
166 100
165 102.7 78.2 117.4
167 14.3 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: 17.29 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

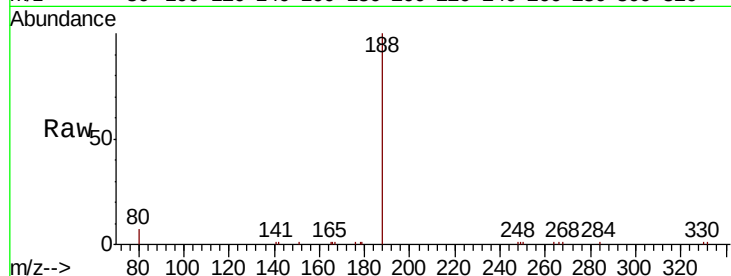
Tgt Ion:188 Resp: 9239

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

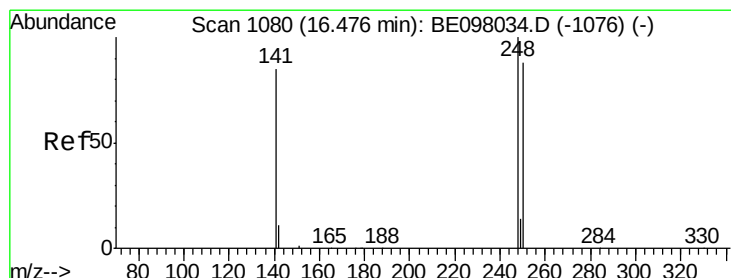
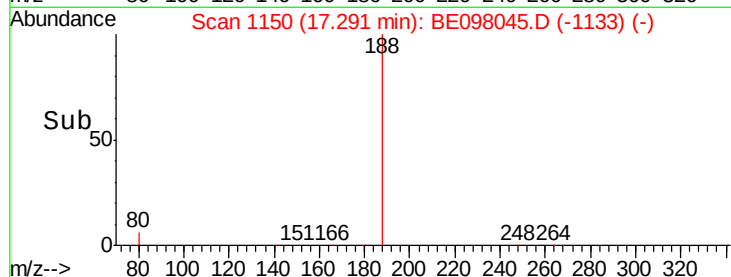
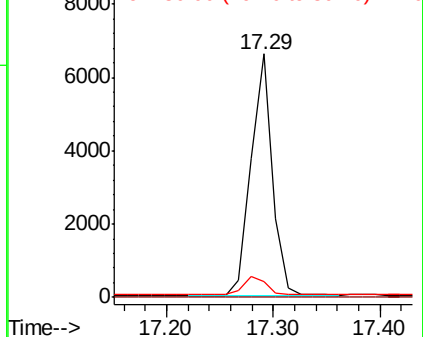
80 6.7 6.3 9.5



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



#20

4-Bromophenyl-phenylether

Concen: 0.173 ng

RT: 16.47 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

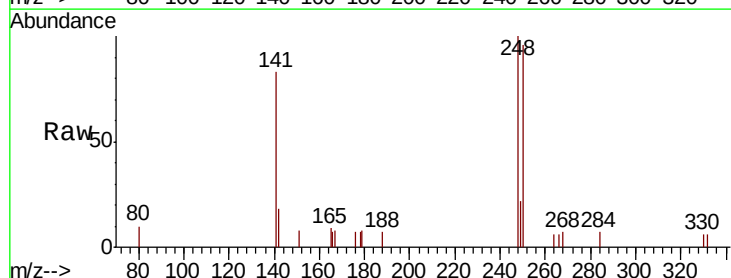
Tgt Ion:248 Resp: 964

Ion Ratio Lower Upper

248 100

250 95.9 75.1 112.7

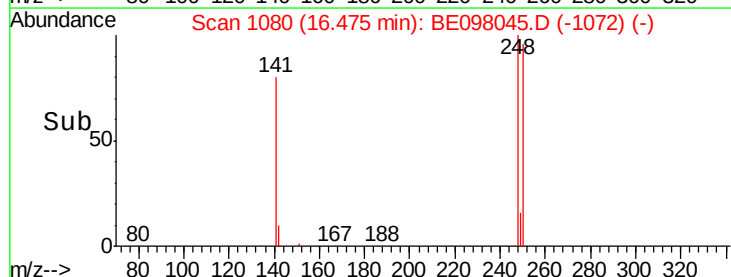
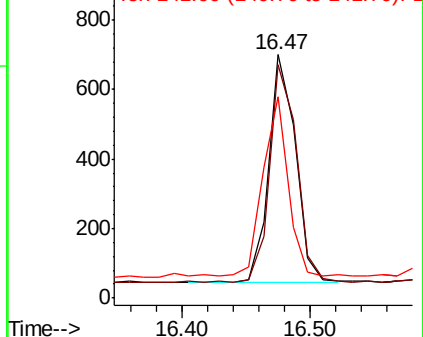
141 82.9 51.8 77.8#

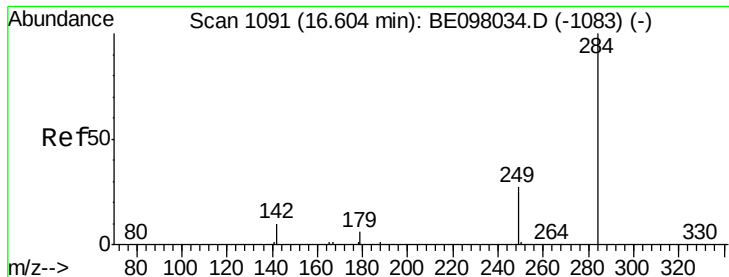


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.181 ng

RT: 16.59 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

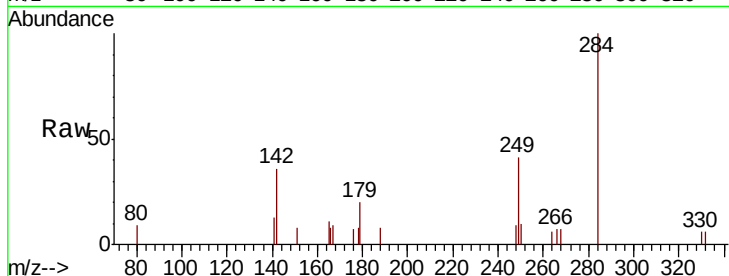
Tgt Ion:284 Resp: 1051

Ion Ratio Lower Upper

284 100

142 32.4 25.9 38.9

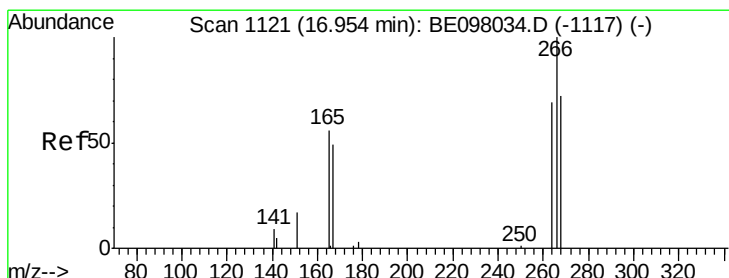
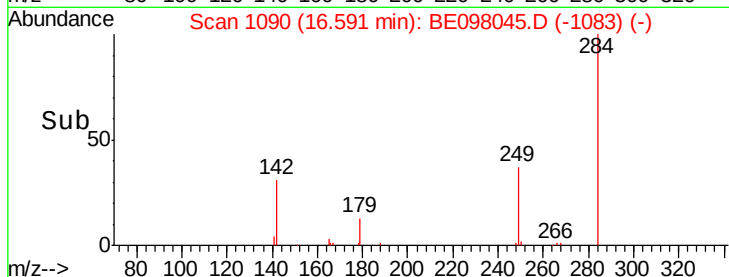
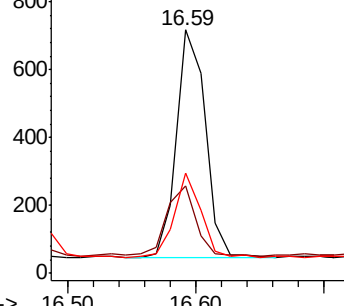
249 34.3 26.6 40.0



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: 0.194 ng

RT: 16.95 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

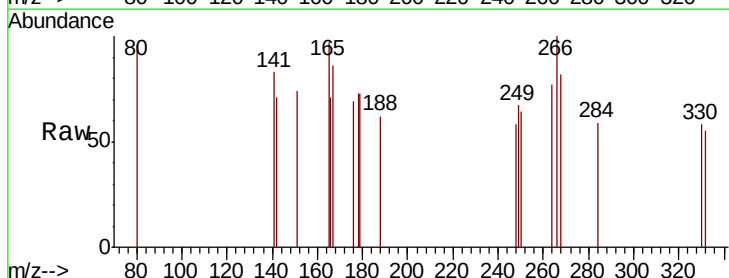
Tgt Ion:266 Resp: 94

Ion Ratio Lower Upper

266 100

264 76.9 51.3 76.9#

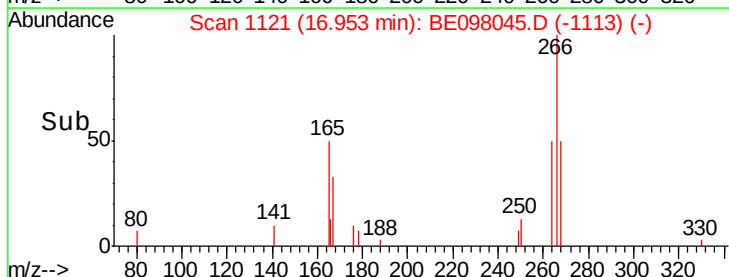
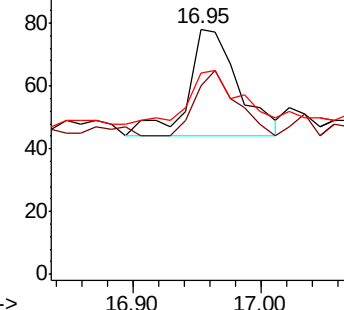
268 82.1 50.1 75.1#

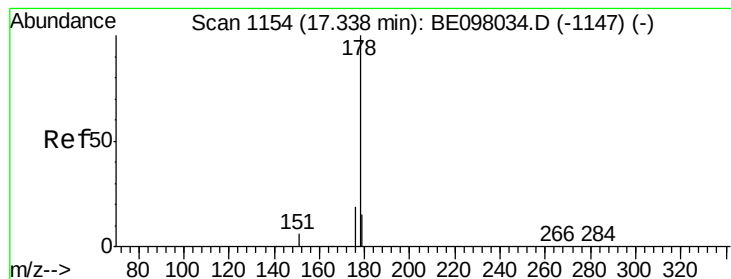


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.166 ng

RT: 17.33 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

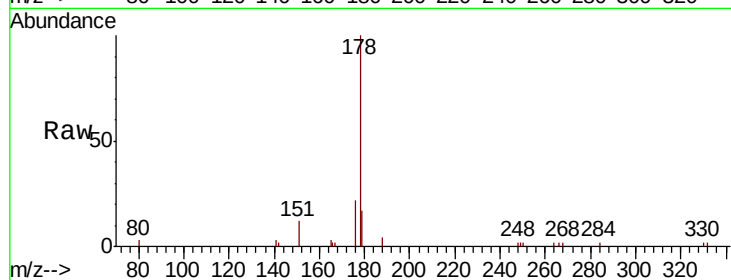
Tgt Ion:178 Resp: 3770

Ion Ratio Lower Upper

178 100

176 20.2 15.5 23.3

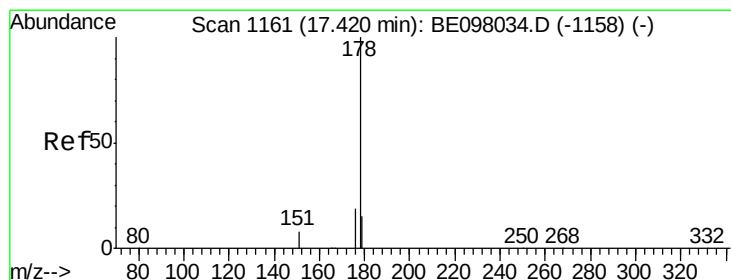
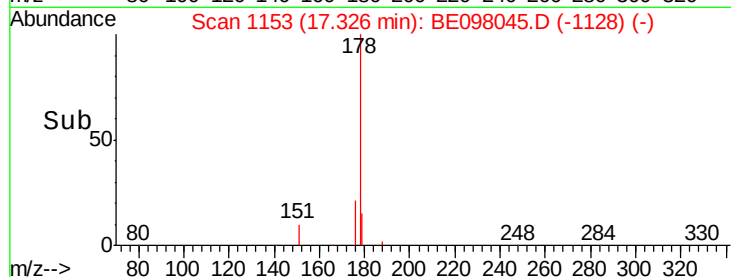
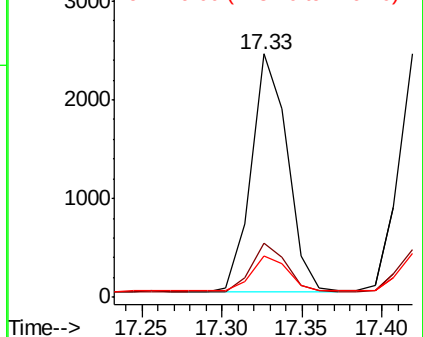
179 16.3 12.2 18.4



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: 0.166 ng

RT: 17.42 min Scan# 1161

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

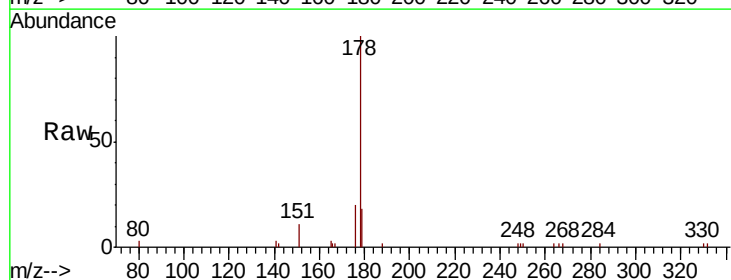
Tgt Ion:178 Resp: 3703

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

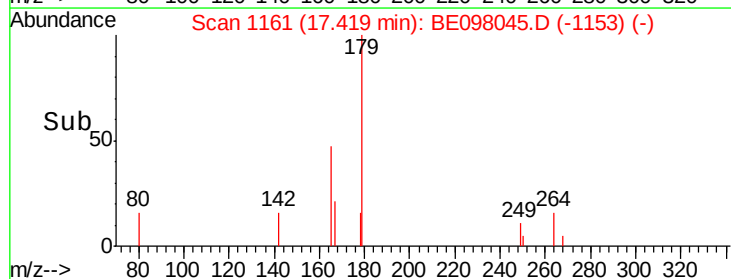
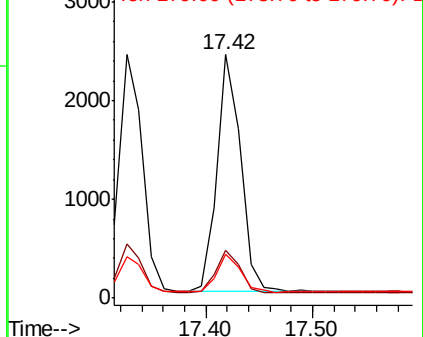
179 15.9 11.9 17.9

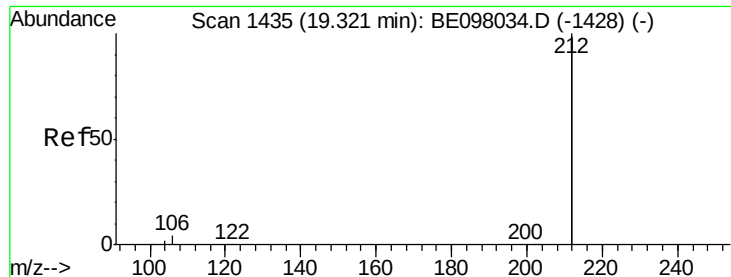


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.32 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

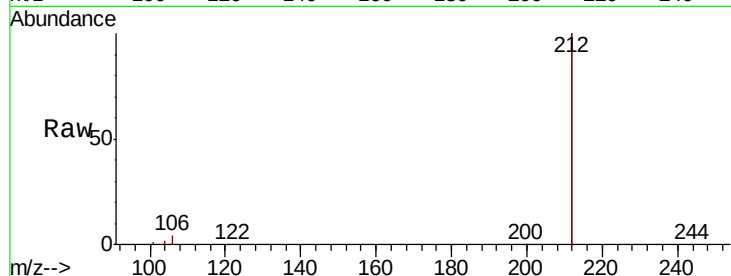
Tgt Ion:212 Resp: 45843

Ion Ratio Lower Upper

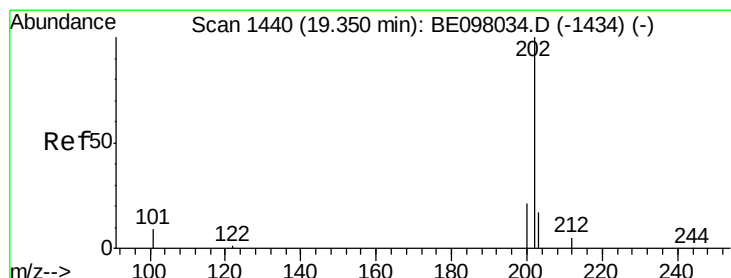
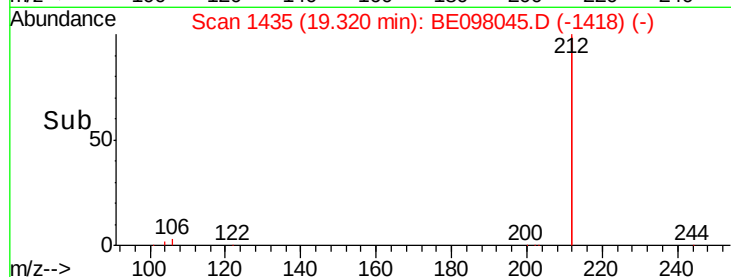
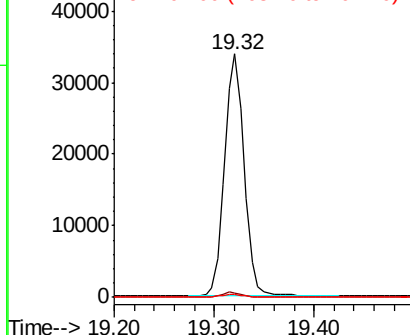
212 100

106 2.0 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: 0.169 ng

RT: 19.35 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

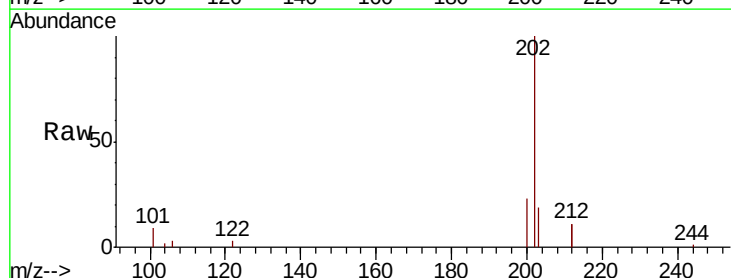
Tgt Ion:202 Resp: 4781

Ion Ratio Lower Upper

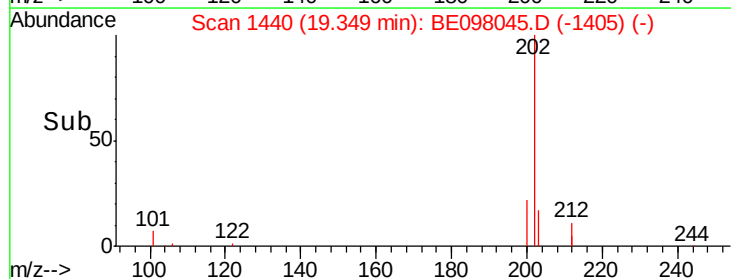
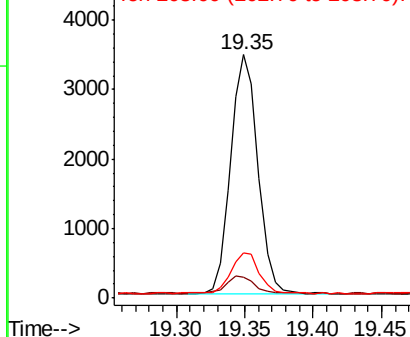
202 100

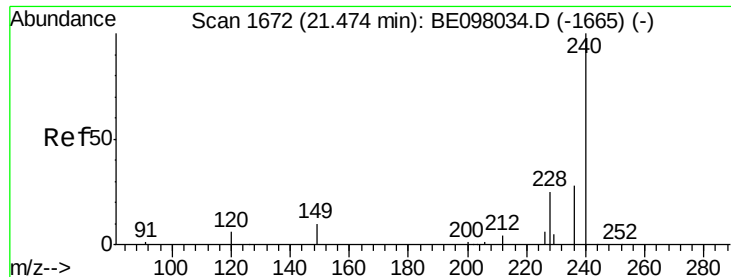
101 8.1 8.2 12.2#

203 17.4 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: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

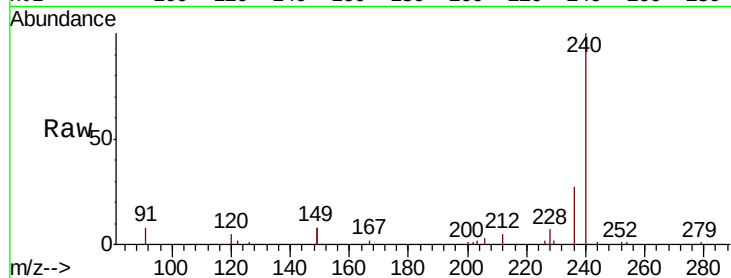
Tgt Ion:240 Resp: 10875

Ion Ratio Lower Upper

240 100

120 5.2 7.1 10.7#

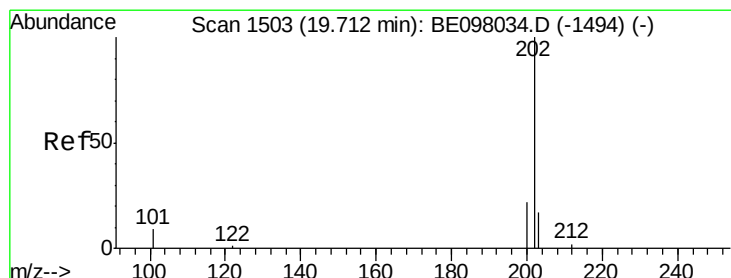
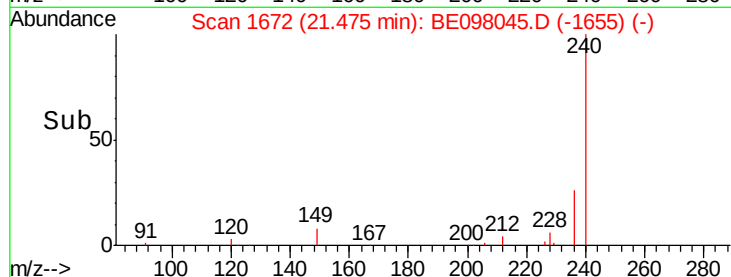
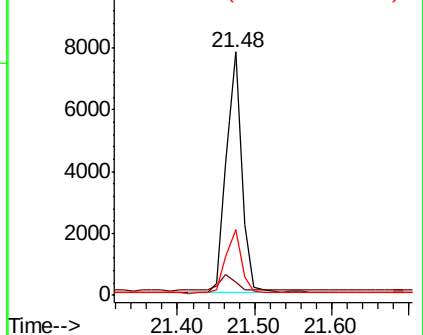
236 27.0 21.3 31.9



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: 0.169 ng

RT: 19.71 min Scan# 1503

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

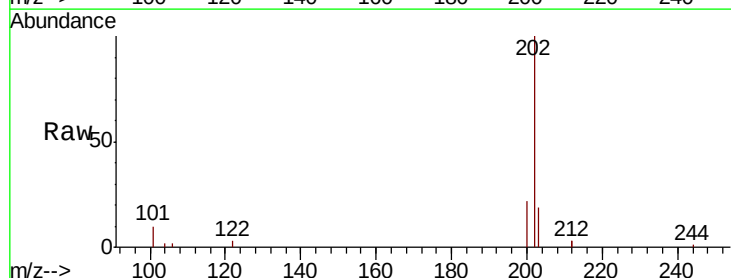
Tgt Ion:202 Resp: 5064

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

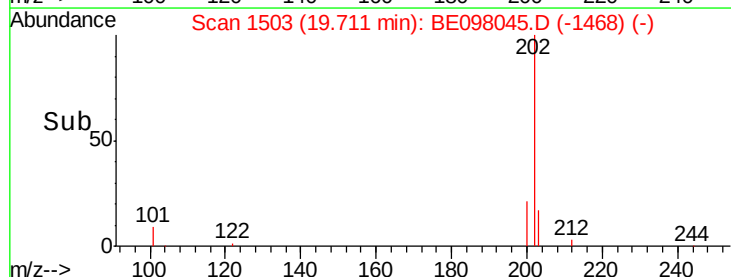
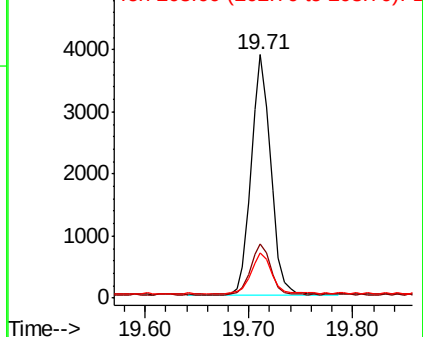
203 17.3 14.2 21.4

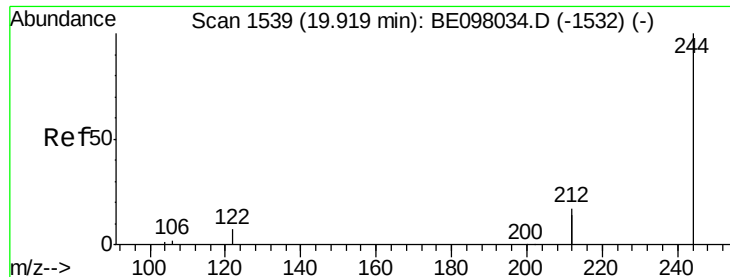


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.378 ng

RT: 19.92 min Scan# 1539

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

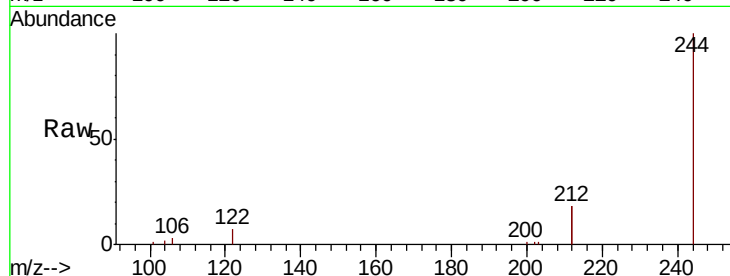
Tgt Ion:244 Resp: 9692

Ion Ratio Lower Upper

244 100

212 35.5 26.2 39.2

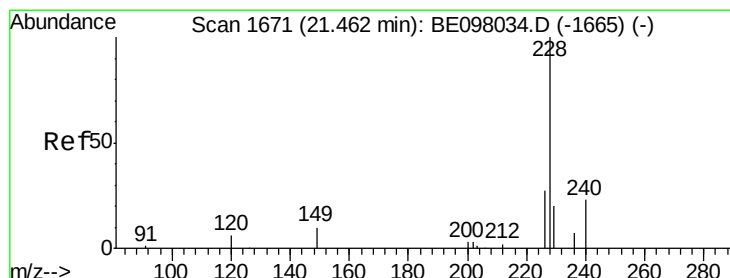
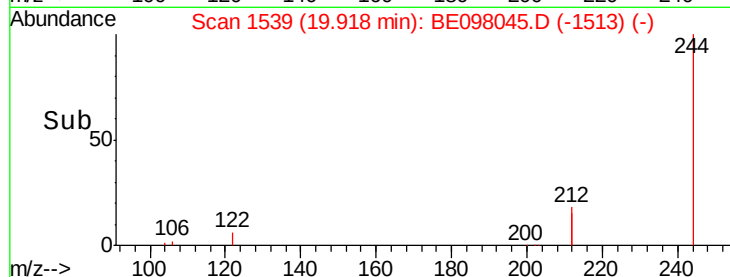
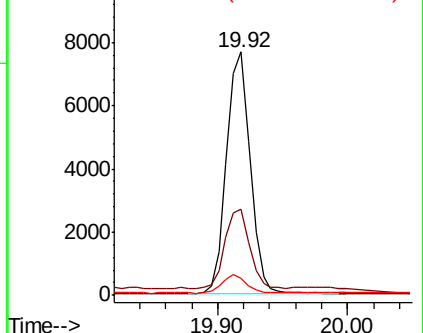
122 6.9 7.7 11.5#



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: 0.173 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

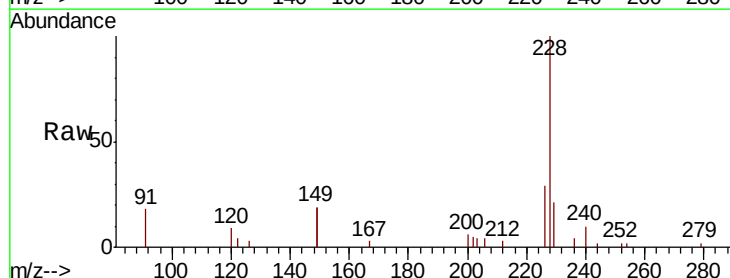
Tgt Ion:228 Resp: 5549

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

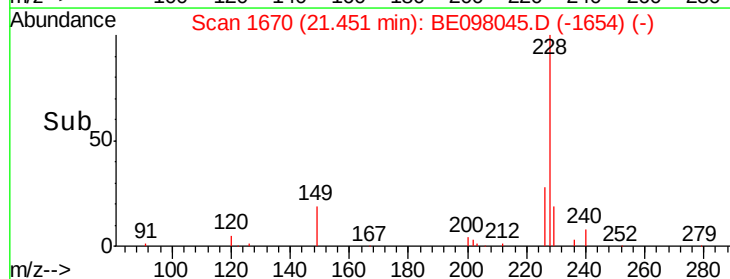
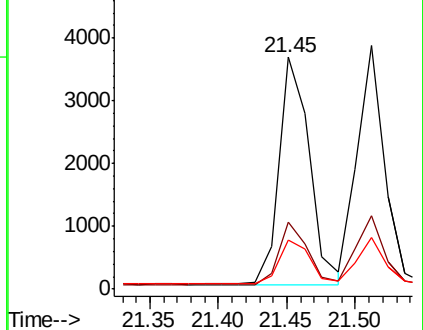
229 21.1 16.9 25.3

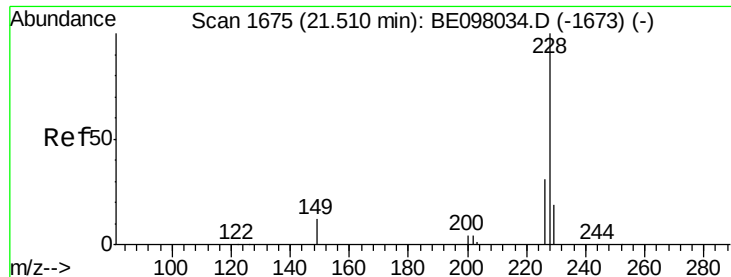


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.167 ng

RT: 21.51 min Scan# 1675

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

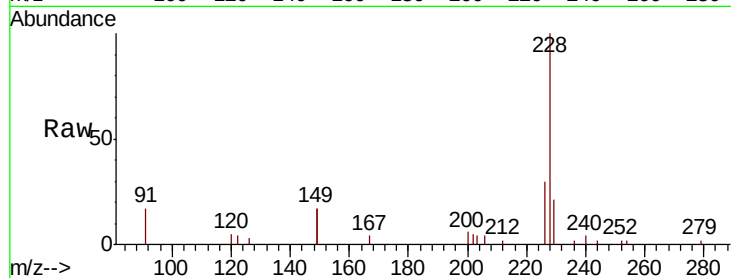
Tgt Ion:228 Resp: 5222

Ion Ratio Lower Upper

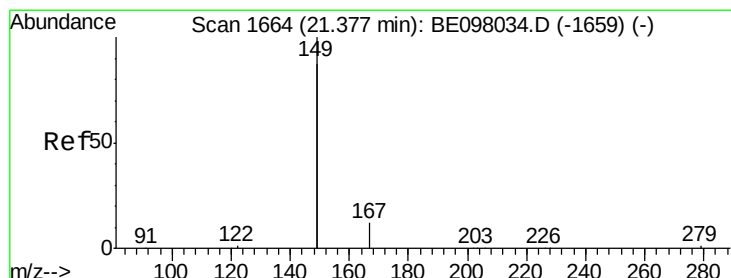
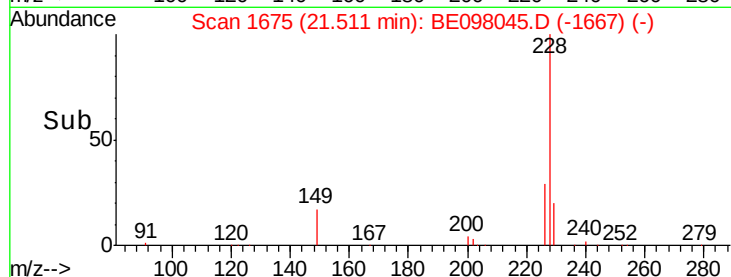
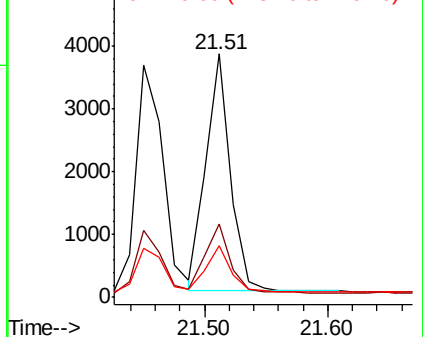
228 100

226 30.3 24.3 36.5

229 21.3 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: 0.167 ng

RT: 21.38 min Scan# 1664

Delta R.T. 0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

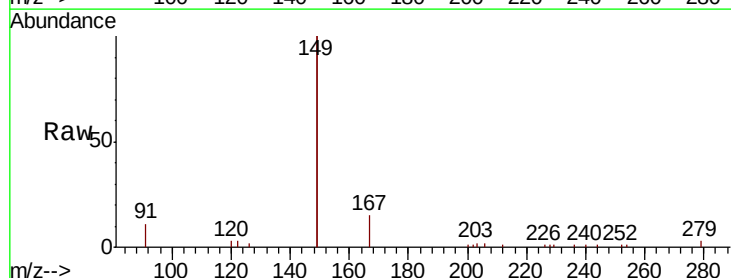
Tgt Ion:149 Resp: 12745

Ion Ratio Lower Upper

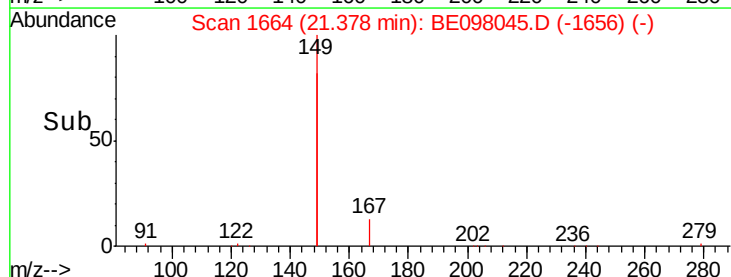
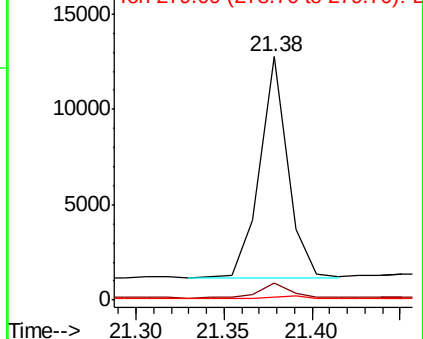
149 100

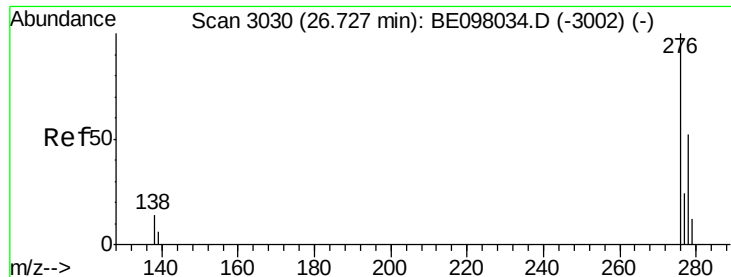
167 7.1 5.6 8.4

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: 0.168 ng

RT: 26.72 min Scan# 3027

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

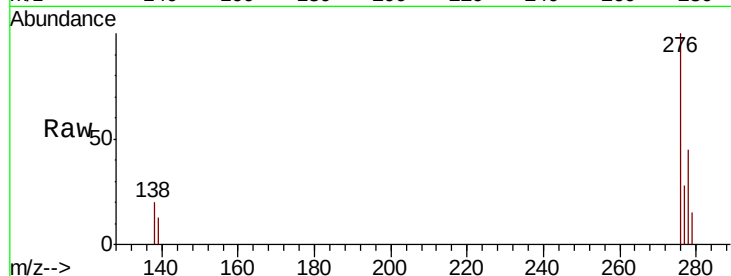
Tgt Ion:276 Resp: 5747

Ion Ratio Lower Upper

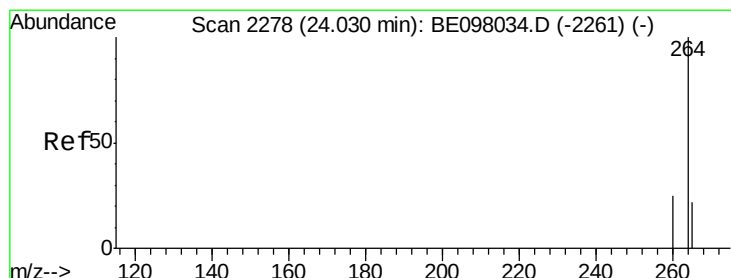
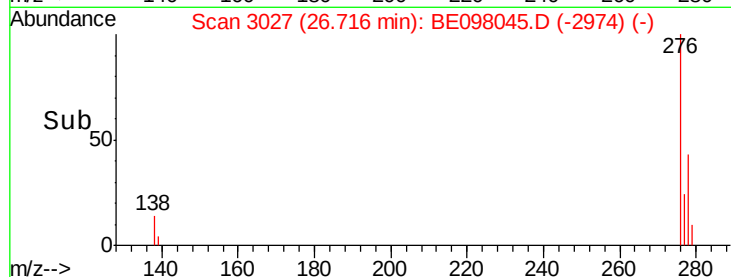
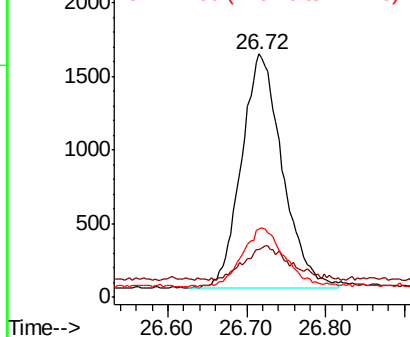
276 100

138 15.3 17.0 25.6#

277 25.1 20.5 30.7



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: 24.02 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

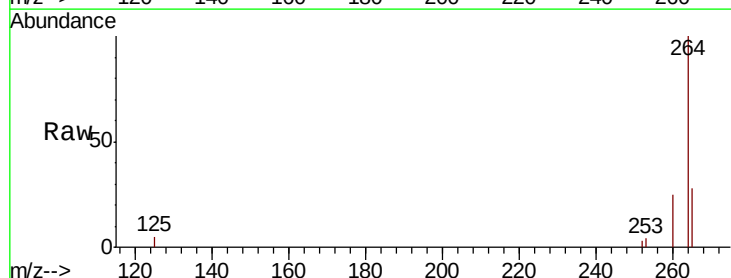
Tgt Ion:264 Resp: 10679

Ion Ratio Lower Upper

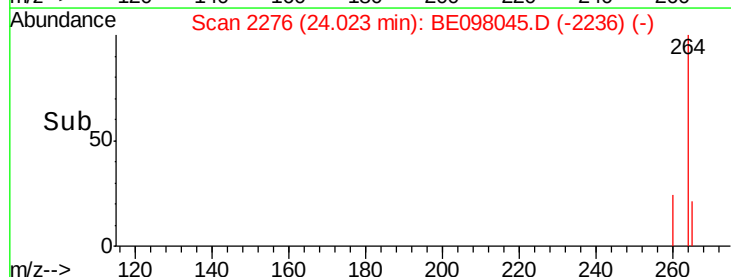
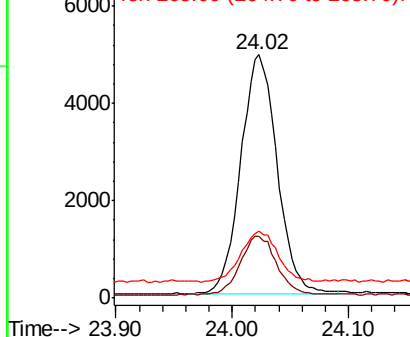
264 100

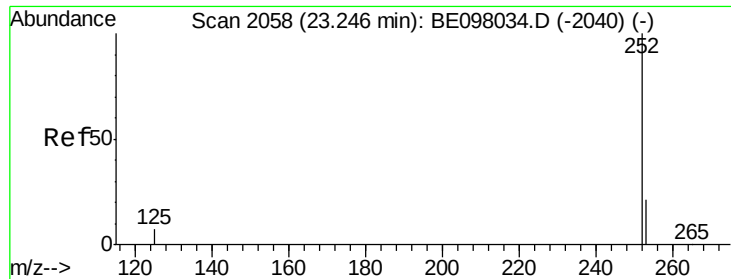
260 25.3 21.1 31.7

265 27.7 29.2 43.8#



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: 0.172 ng

RT: 23.24 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

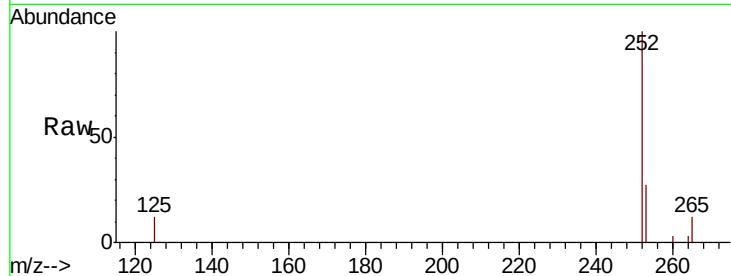
Instrument :

BNA_E

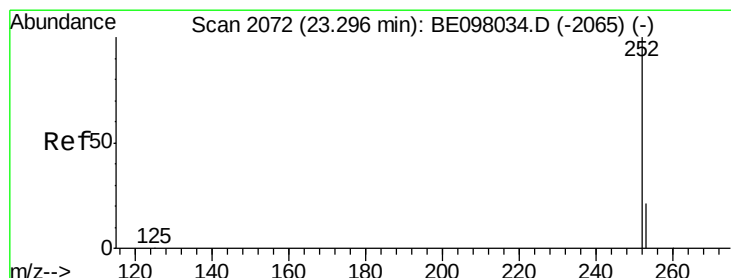
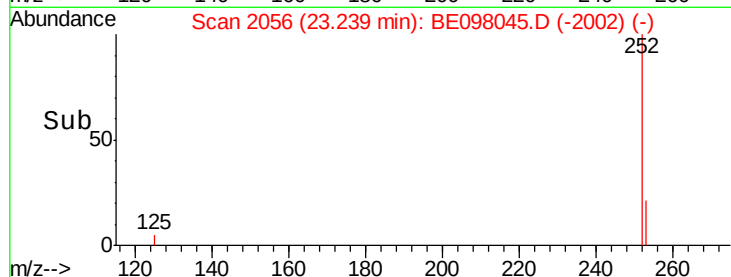
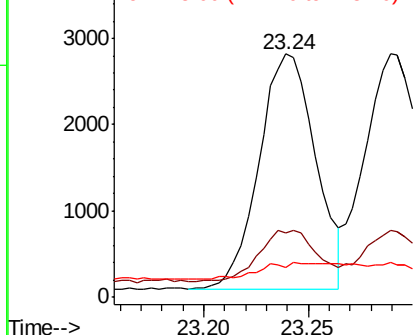
ClientSampleId :

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Tgt Ion:	252	Resp:	5101
Ion Ratio	Lower	Upper	
252	100		
253	26.5	20.6	31.0
125	12.4	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: 0.173 ng

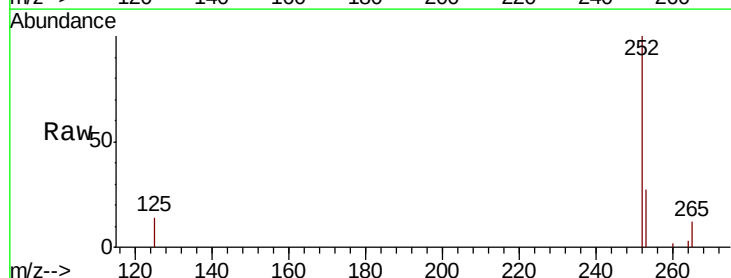
RT: 23.29 min Scan# 2070

Delta R.T. -0.01 min

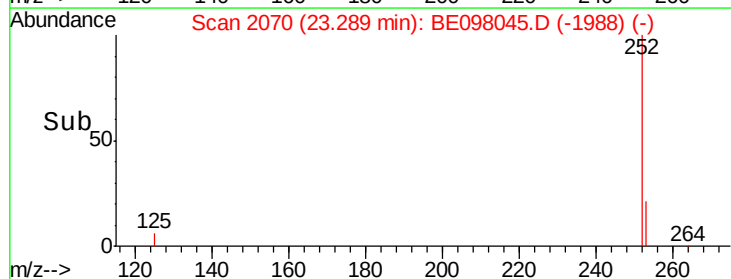
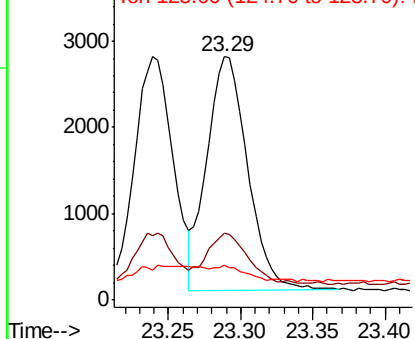
Lab File: BE098045.D

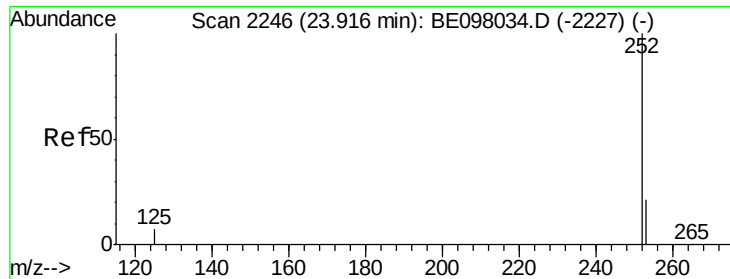
Acq: 24 Oct 2018 19:12

Tgt Ion:	252	Resp:	5320
Ion Ratio	Lower	Upper	
252	100		
253	27.4	20.4	30.6
125	14.1	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: 0.172 ng

RT: 23.91 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018

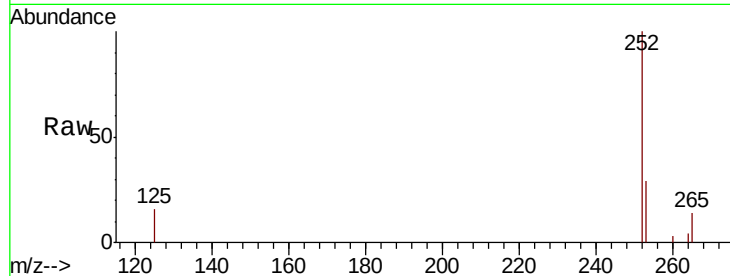
Tgt Ion:252 Resp: 5014

Ion Ratio Lower Upper

252 100

253 29.4 20.6 31.0

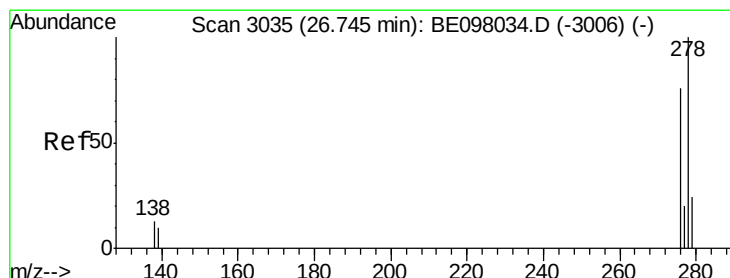
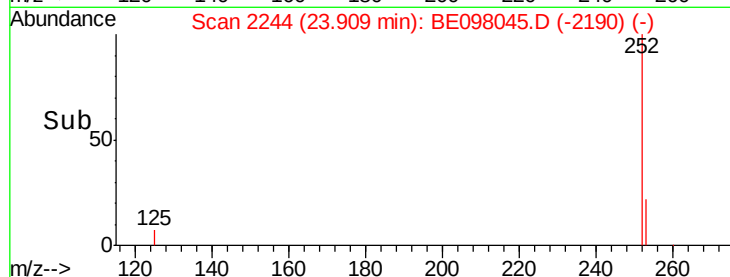
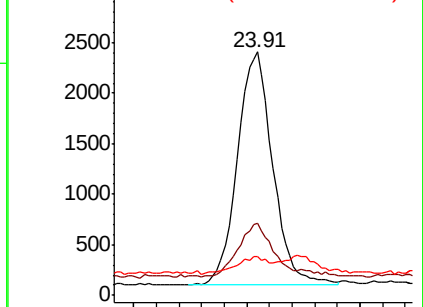
125 15.9 15.6 23.4



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: 0.166 ng

RT: 26.74 min Scan# 3034

Delta R.T. -0.00 min

Lab File: BE098045.D

Acq: 24 Oct 2018 19:12

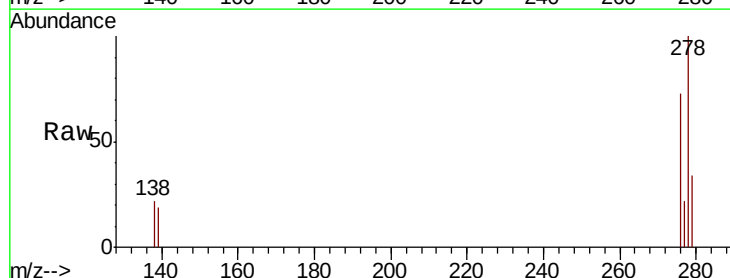
Tgt Ion:278 Resp: 4728

Ion Ratio Lower Upper

278 100

139 19.1 16.3 24.5

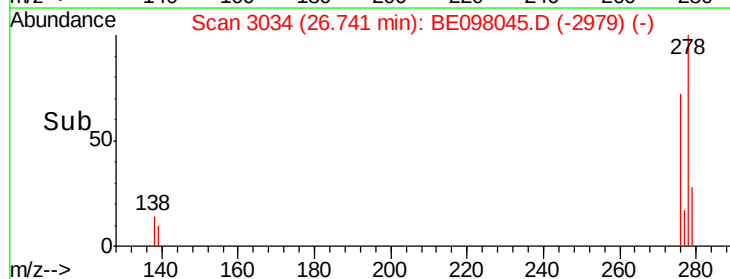
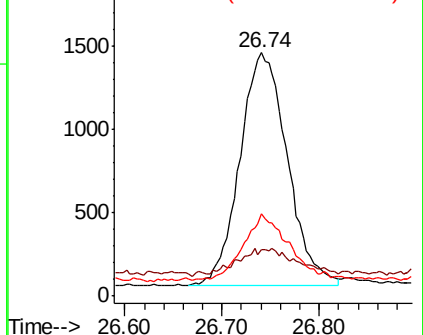
279 33.6 21.4 32.2#

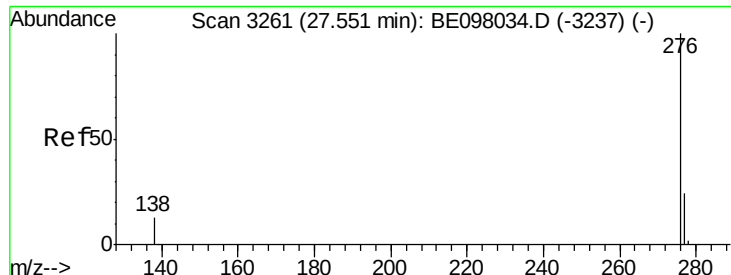


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.172 ng

RT: 27.55 min Scan# 3260

Delta R.T. -0.00 min

Lab File: BE098045.D

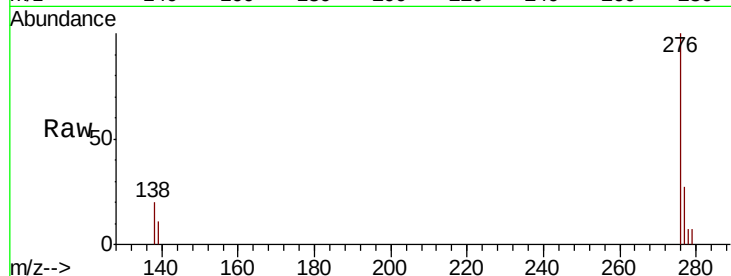
Acq: 24 Oct 2018 19:12

Instrument :

BNA_E

ClientSampleId :

LOQ-WATER-02-QT4-2018



Tgt Ion: 276 Resp: 4853

Ion Ratio Lower Upper

276 100

277 26.7 22.1 33.1

138 20.0 19.3 28.9

