

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
 Data File : BF110092.D
 Acq On : 23 Oct 2018 22:00
 Operator : JU/SJ
 Sample : J5164-07
 Misc : LOD 2PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Quant Time: Oct 24 07:24:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	174986	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	748050	20.00	ng	-0.02
39) Acenaphthene-d10	10.00	164	367037	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	716574	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	603476	20.00	ng	-0.02
87) Perylene-d12	15.67	264	517059	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1257986	117.07	ng	-0.02
7) Phenol-d6	6.59	99	1566557	113.98	ng	-0.02
23) Nitrobenzene-d5	7.53	82	928069	73.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	419638	115.42	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1711242	73.21	ng	-0.02
79) Terphenyl-d14	13.09	244	1854955	63.93	ng	-0.02

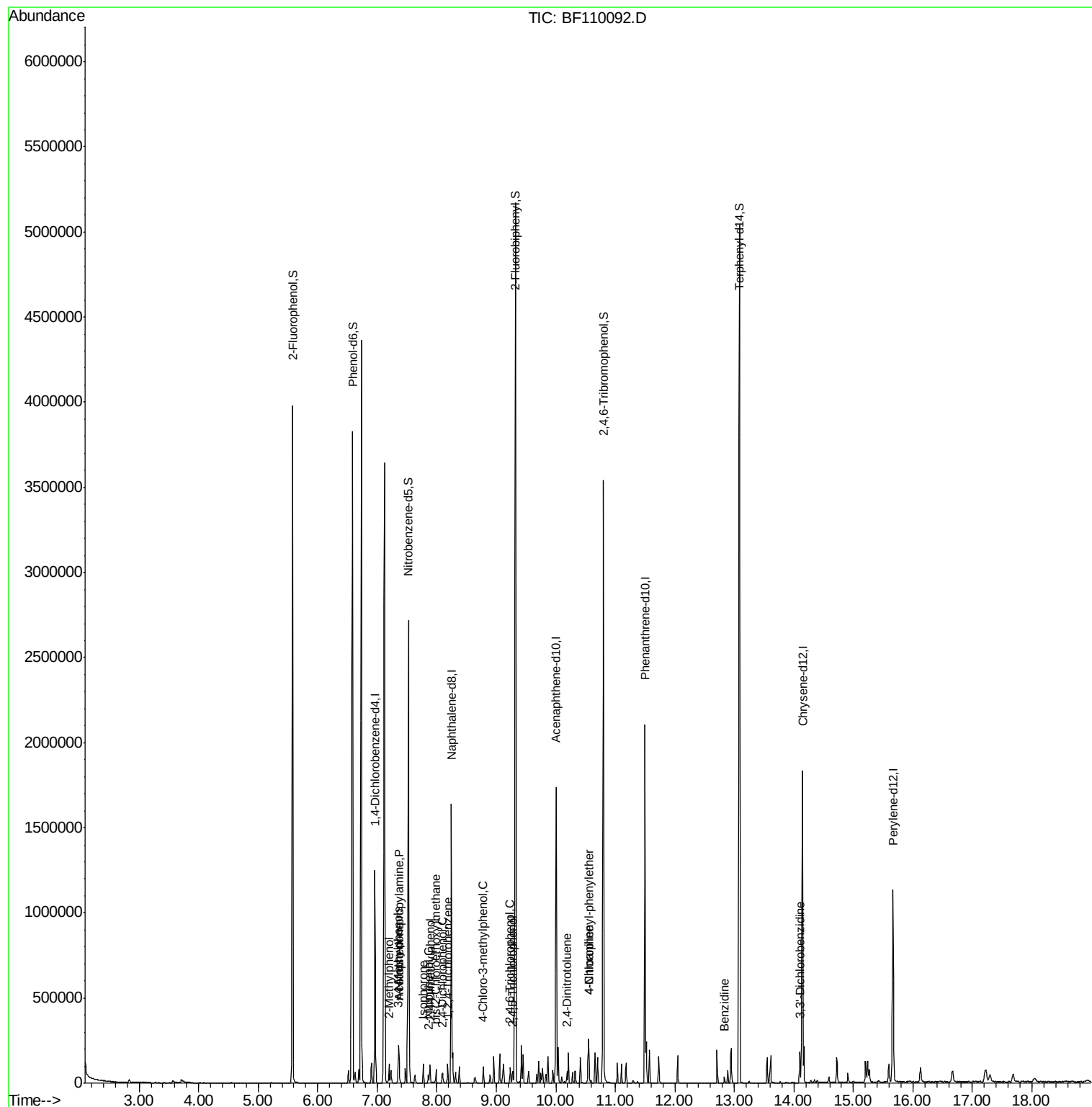
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) 2-Methylphenol	7.20	107	19490	1.974	ng	# 76
19) n-Nitroso-di-n-propylamine	7.36	70	16065	1.822	ng	92
20) 3+4-Methylphenols	7.35	107	23849	1.869	ng	# 87
22) Acetophenone	7.36	105	33659	1.953	ng	95
25) Isophorone	7.77	82	42817	1.992	ng	95
26) 2-Nitrophenol	7.86	139	9891	1.596	ng	97
27) 2,4-Dimethylphenol	7.89	122	20065	1.953	ng	92
28) bis(2-Chloroethoxy)methane	7.99	93	27255	1.866	ng	99
29) 2,4-Dichlorophenol	8.10	162	17558	1.692	ng	96
30) 1,2,4-Trichlorobenzene	8.19	180	20940	1.801	ng	94
36) 4-Chloro-3-methylphenol	8.78	107	19512	1.739	ng	96
43) 2,4,6-Trichlorophenol	9.23	196	11585	1.571	ng	90
44) 2,4,5-Trichlorophenol	9.27	196	13021	1.670	ng	96
57) 2,4-Dinitrotoluene	10.19	165	12065	1.628	ng	# 86
61) 4-Chlorophenyl-phenylether	10.55	204	23902	1.869	ng	91
62) 4-Nitroaniline	10.56	138	11375	1.648	ng	99
77) Benzidine	12.83	184	16362	0.645	ng	94
82) 3,3'-Dichlorobenzidine	14.09	252	14571	1.169	ng	99

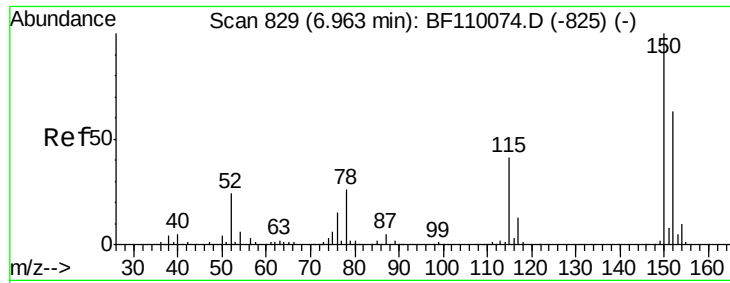
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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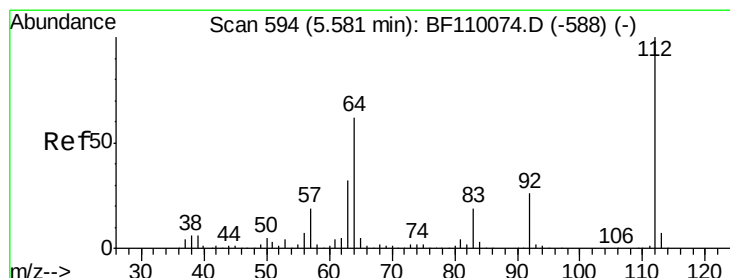
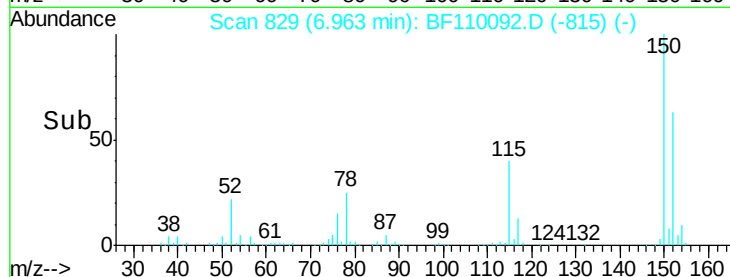
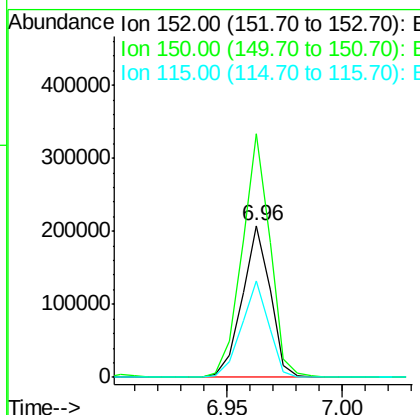
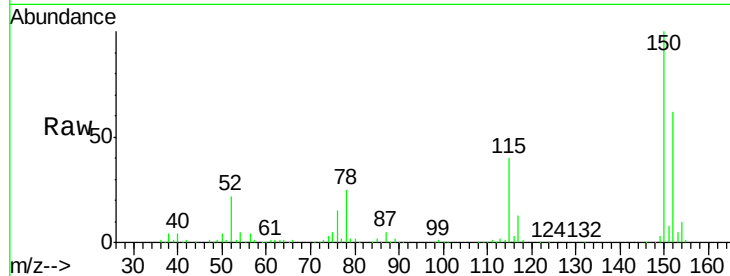




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

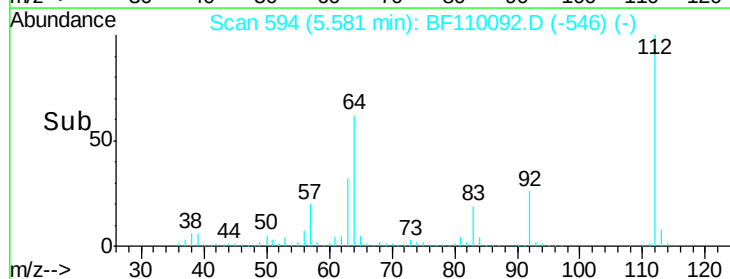
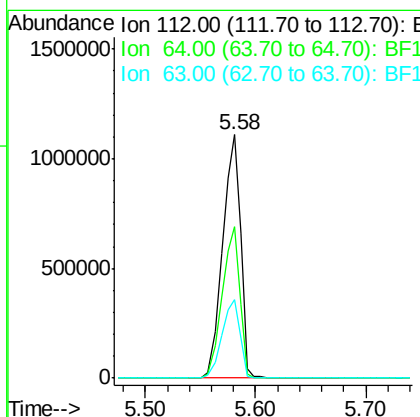
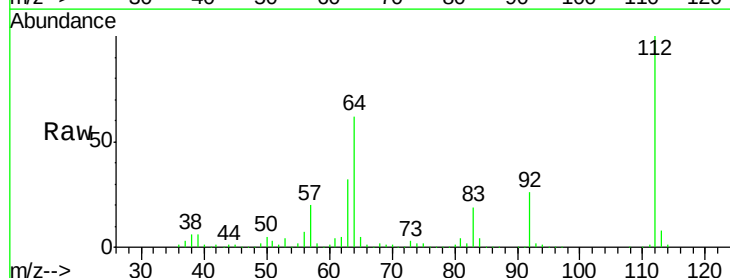
Instrument :
 BNA_F
 ClientSampleId :
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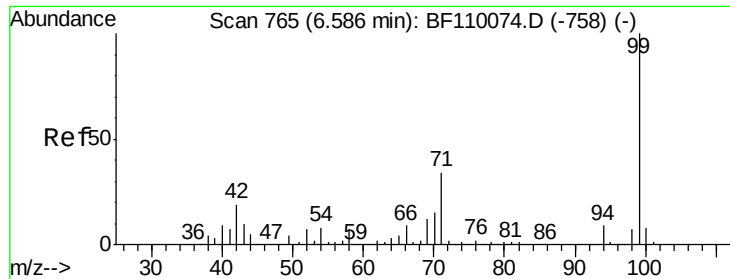
Tgt Ion:152 Resp: 174986
 Ion Ratio Lower Upper
 152 100
 150 160.2 122.7 184.1
 115 63.3 49.1 73.7



#5
 2-Fluorophenol
 Concen: 117.070 ng
 RT: 5.58 min Scan# 594
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

Tgt Ion:112 Resp: 1257986
 Ion Ratio Lower Upper
 112 100
 64 62.4 44.1 66.1
 63 32.3 23.7 35.5





#7

Phenol-d6

Concen: 113.978 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

Instrument :

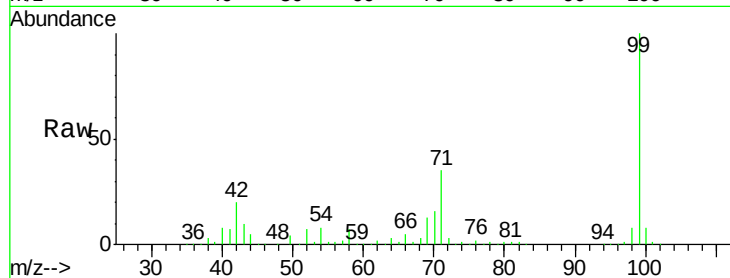
BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tgt Ion: 99 Resp: 1566557

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.8	23.6
71	35.3	28.0	42.0

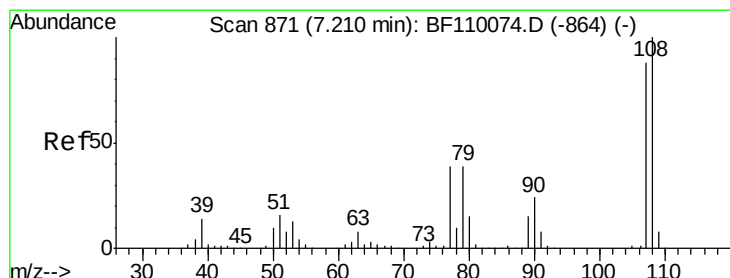
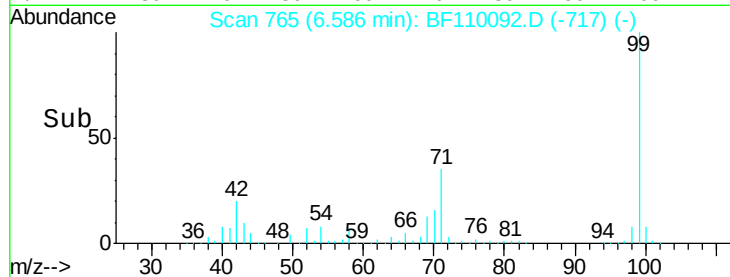


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#17

2-Methylphenol

Concen: 1.974 ng

RT: 7.20 min Scan# 869

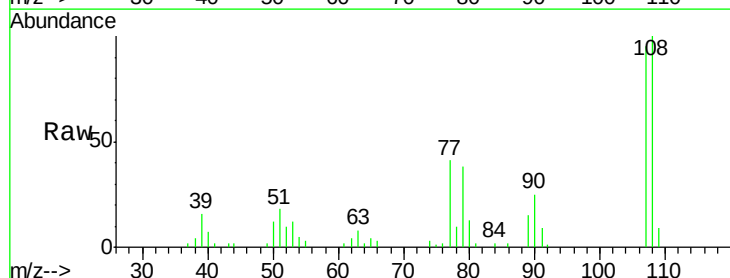
Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

Tgt Ion: 107 Resp: 19490

Ion	Ratio	Lower	Upper
107	100		
108	105.5	92.6	138.8
77	43.3	59.4	89.2#
79	40.3	54.0	81.0#



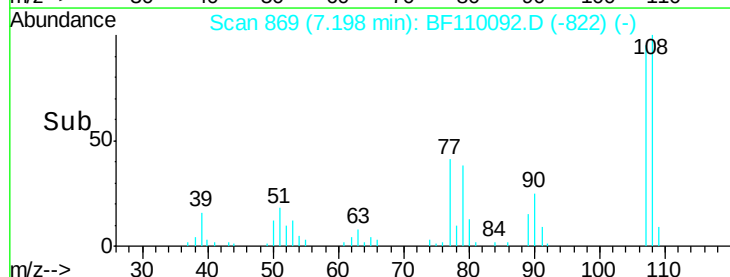
Abundance

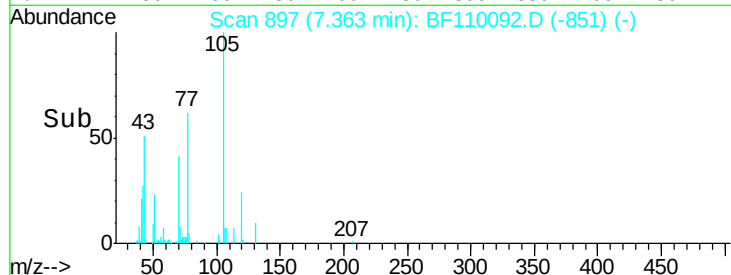
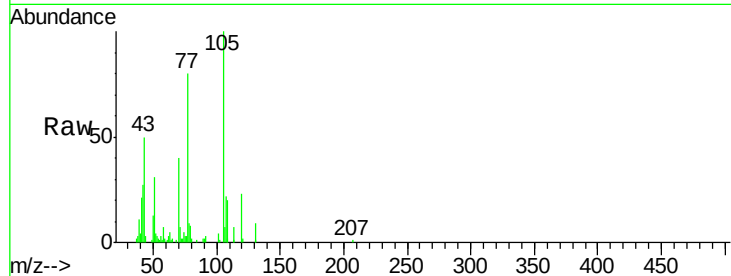
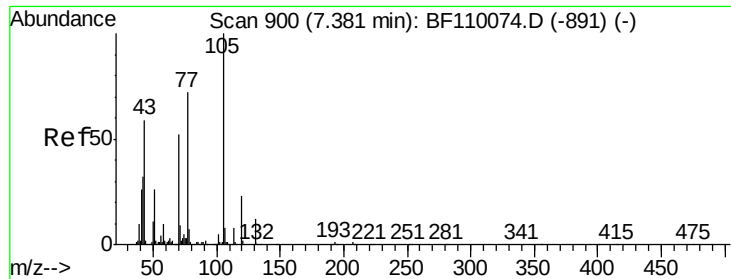
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

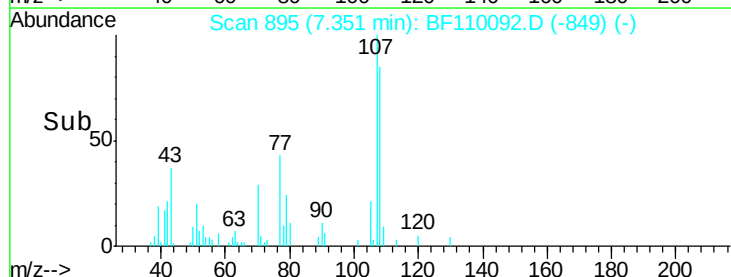
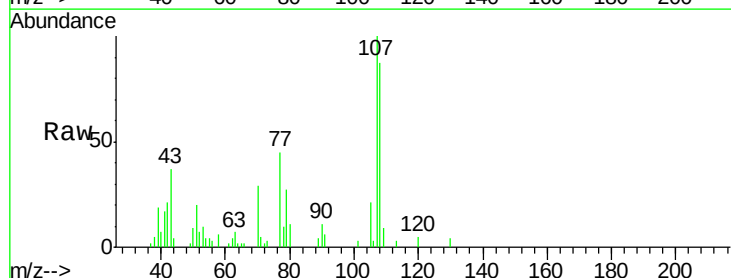
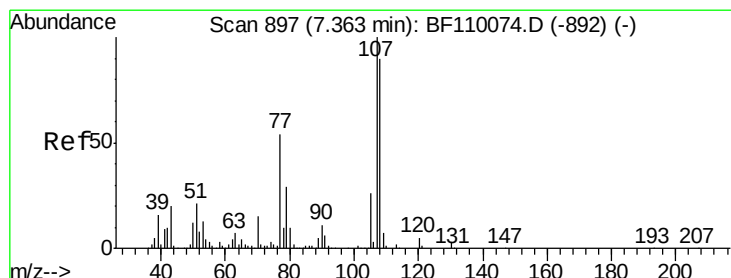
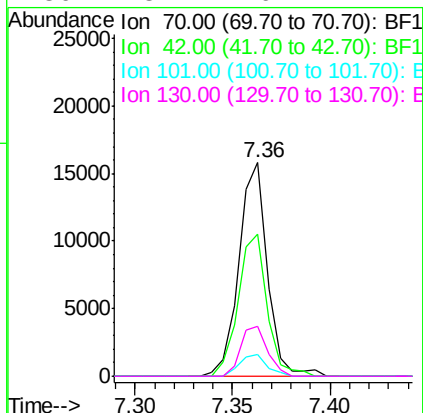




#19
n-Nitroso-di-n-propylamine
Concen: 1.822 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.03 min
Lab File: BF110092.D
Acq: 23 Oct 2018 22:00

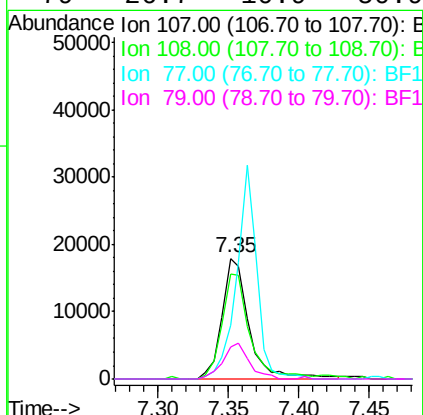
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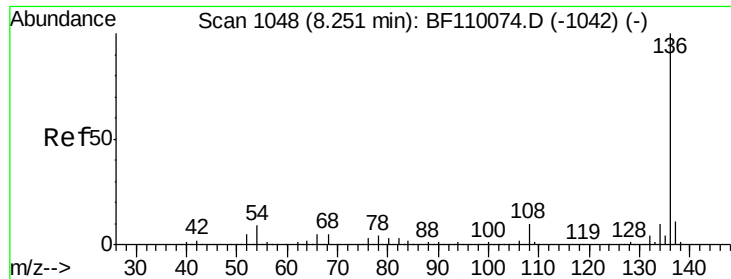
Tgt Ion:	70	Resp:	16065
Ion	Ratio	Lower	Upper
70	100		
42	66.3	47.4	71.2
101	9.9	7.3	10.9
130	23.4	16.2	24.2



#20
3+4-Methylphenols
Concen: 1.869 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.03 min
Lab File: BF110092.D
Acq: 23 Oct 2018 22:00

Tgt Ion:	107	Resp:	23849
Ion	Ratio	Lower	Upper
107	100		
108	86.6	71.4	111.4
77	45.1	47.3	87.3#
79	26.7	10.9	50.9

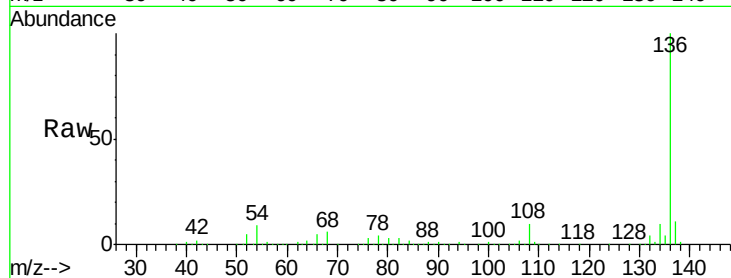




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110092.D
Acq: 23 Oct 2018 22:00

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

Tgt Ion:	136	Resp:	748050
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	9.2	5.4	8.2#
68	5.8	4.2	6.2



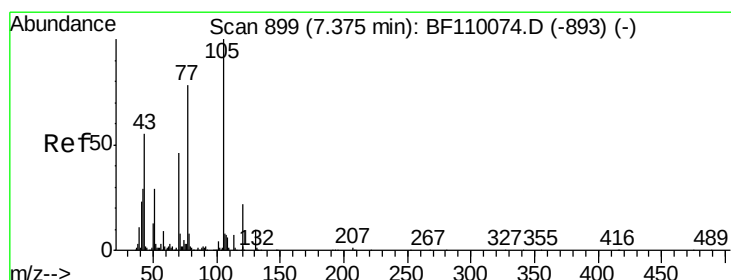
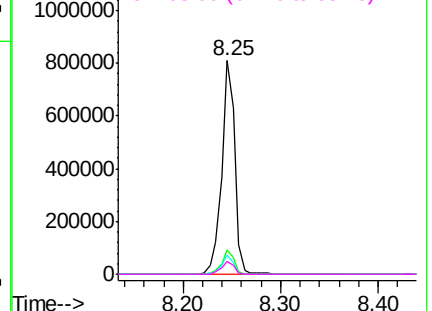
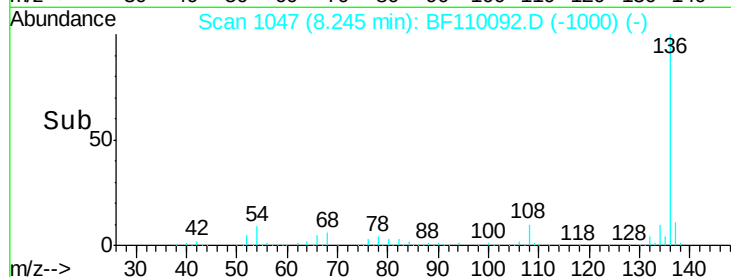
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

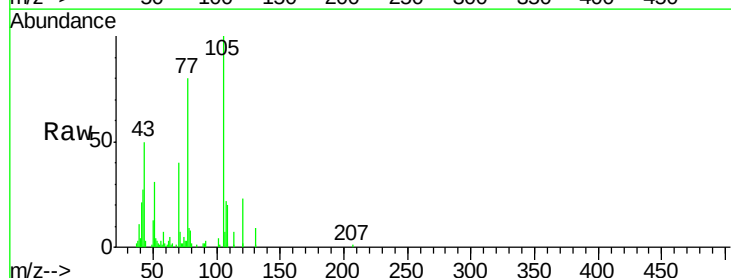
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 1.953 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.03 min
Lab File: BF110092.D
Acq: 23 Oct 2018 22:00

Tgt Ion:	105	Resp:	33659
Ion	Ratio	Lower	Upper
105	100		
71	7.5	5.2	7.8
51	30.7	21.8	32.8
120	23.1	17.0	25.4



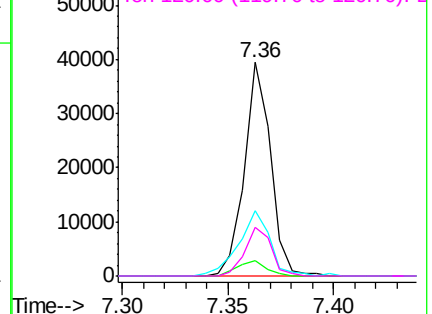
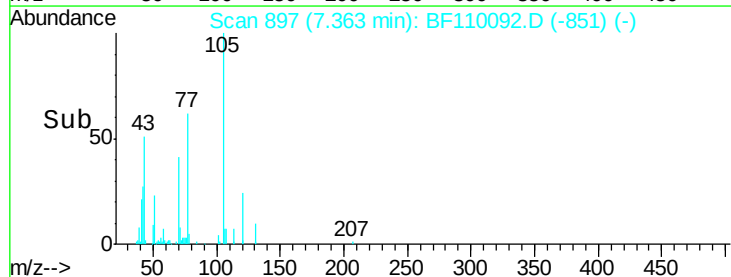
Abundance

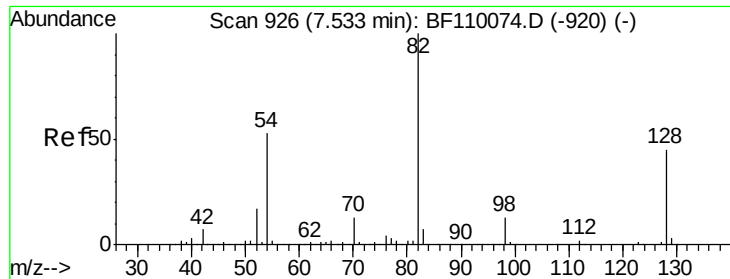
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

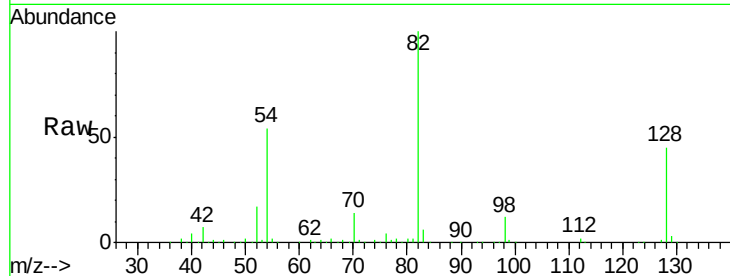




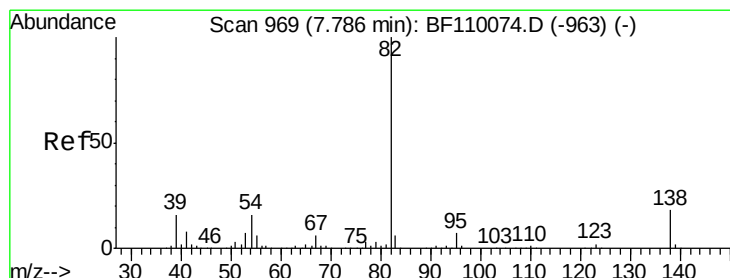
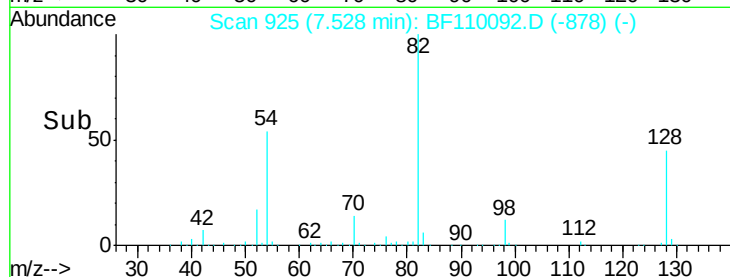
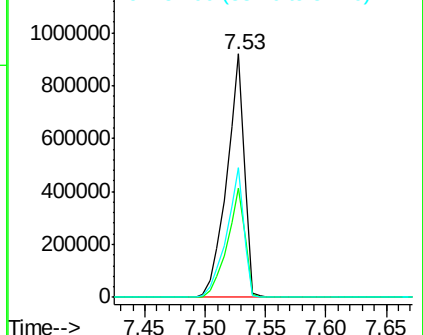
#23
 Nitrobenzene-d5
 Concen: 73.587 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion: 82 Resp: 928069
 Ion Ratio Lower Upper
 82 100
 128 44.9 34.2 51.2
 54 53.5 38.6 58.0

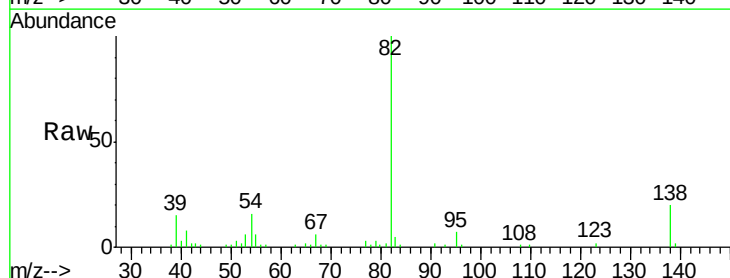


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

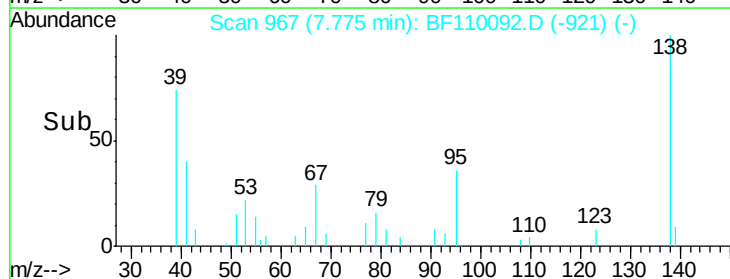
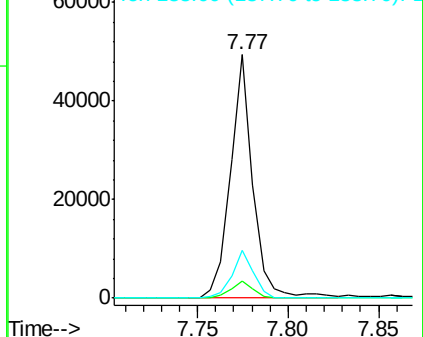


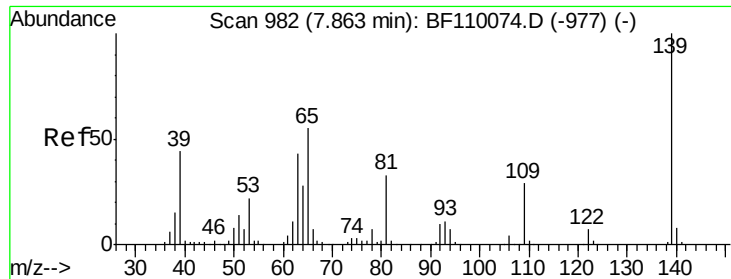
#25
 Isophorone
 Concen: 1.992 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.03 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

Tgt Ion: 82 Resp: 42817
 Ion Ratio Lower Upper
 82 100
 95 7.1 5.7 8.5
 138 19.5 13.2 19.8



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

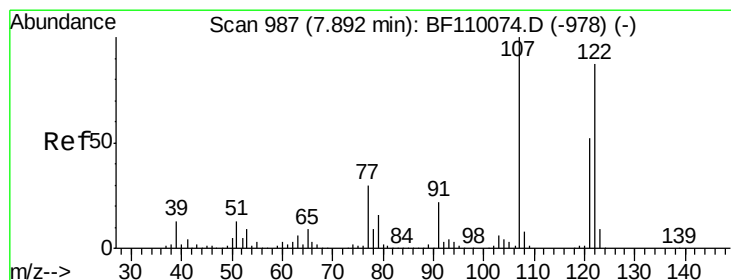
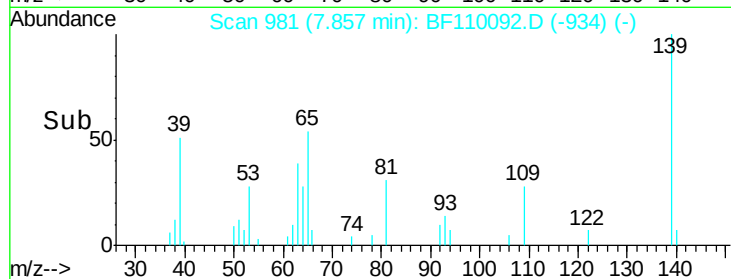
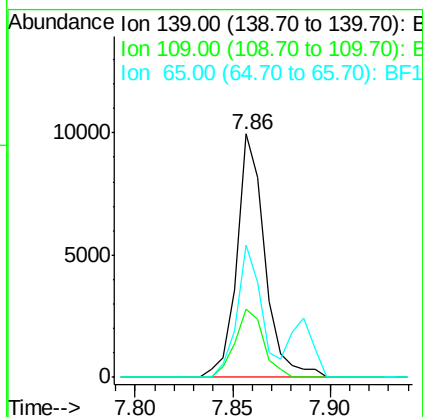
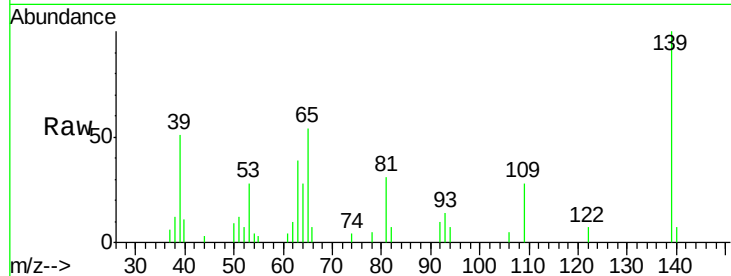




#26
2-Nitrophenol
Concen: 1.596 ng
RT: 7.86 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF110092.D
Acq: 23 Oct 2018 22:00

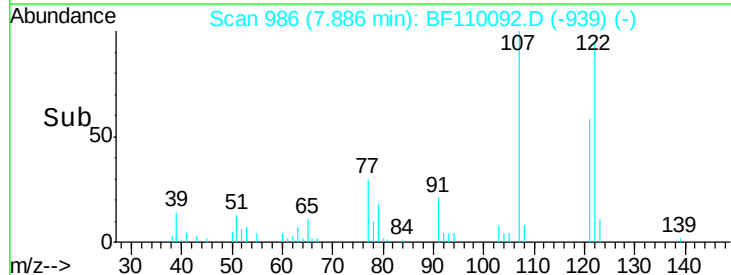
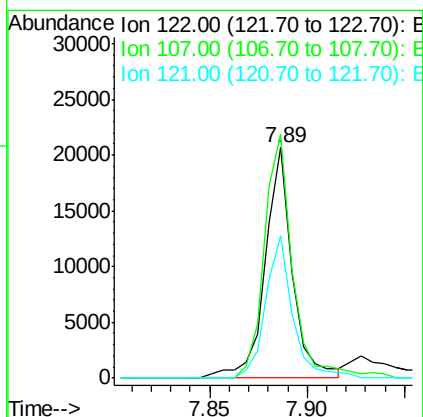
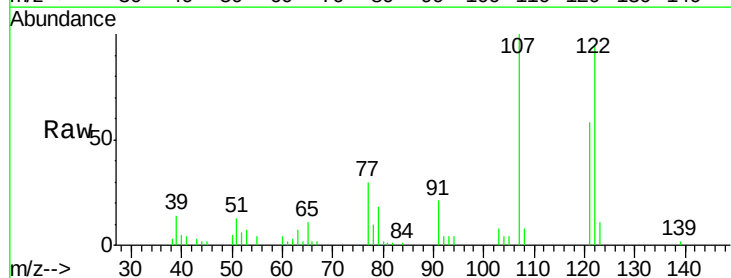
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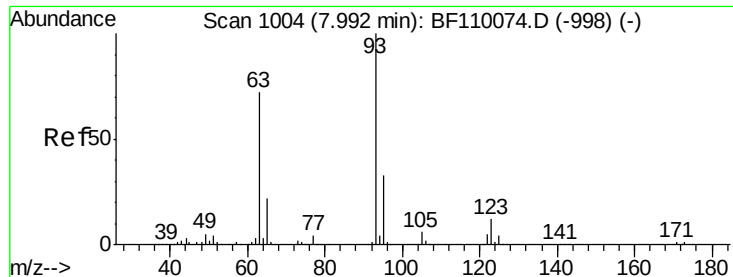
Tgt Ion:139 Resp: 9891
Ion Ratio Lower Upper
139 100
109 28.1 25.0 37.6
65 54.1 44.0 66.0



#27
2,4-Dimethylphenol
Concen: 1.953 ng
RT: 7.89 min Scan# 986
Delta R.T. -0.02 min
Lab File: BF110092.D
Acq: 23 Oct 2018 22:00

Tgt Ion:122 Resp: 20065
Ion Ratio Lower Upper
122 100
107 105.7 92.5 138.7
121 61.8 45.8 68.8





#28

bis(2-Chloroethoxy)methane

Concen: 1.866 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

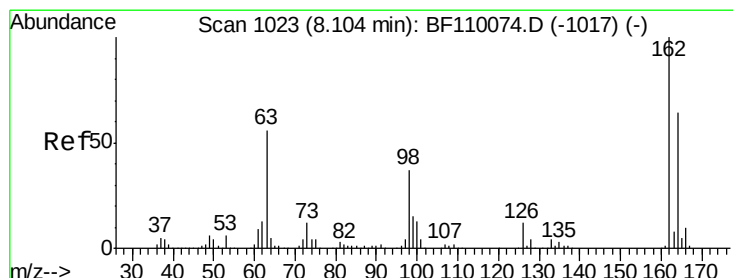
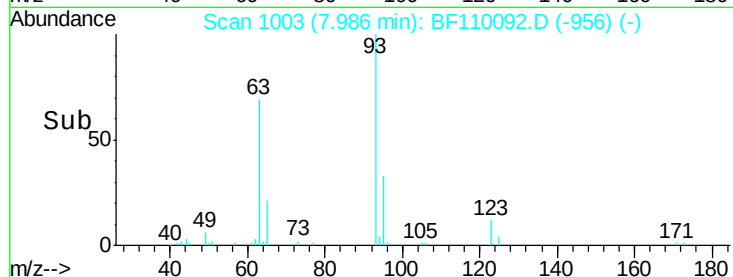
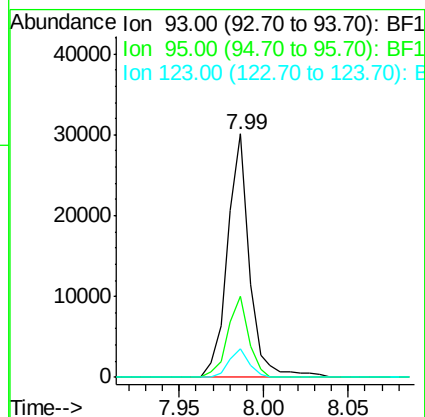
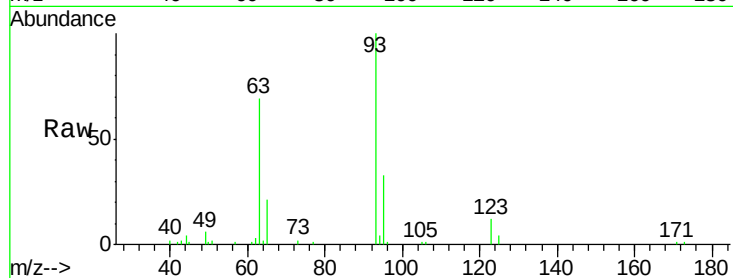
Tgt Ion: 93 Resp: 27255

Ion Ratio Lower Upper

93 100

95 33.2 26.4 39.6

123 11.8 9.0 13.6



#29

2,4-Dichlorophenol

Concen: 1.692 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

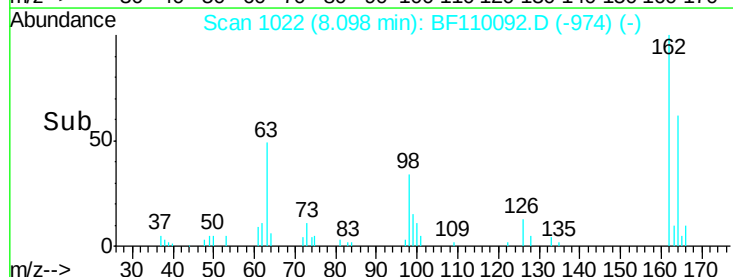
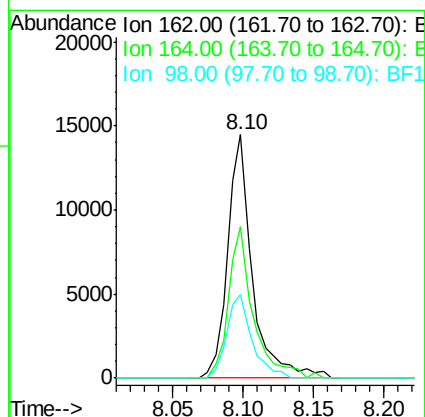
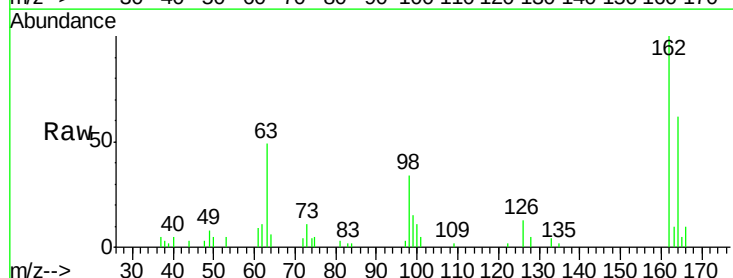
Tgt Ion: 162 Resp: 17558

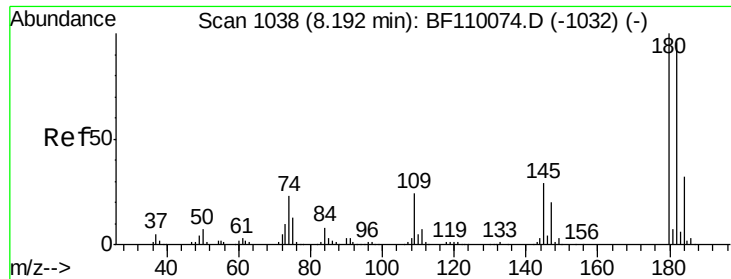
Ion Ratio Lower Upper

162 100

164 62.4 44.6 84.6

98 34.2 17.4 57.4

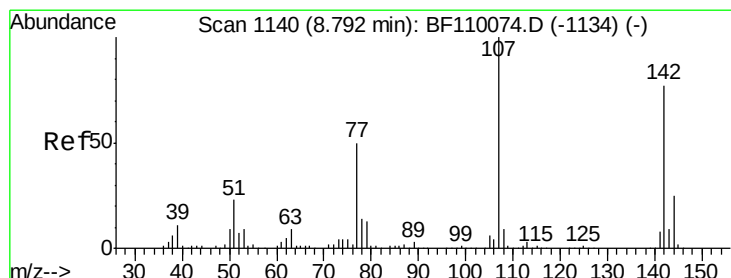
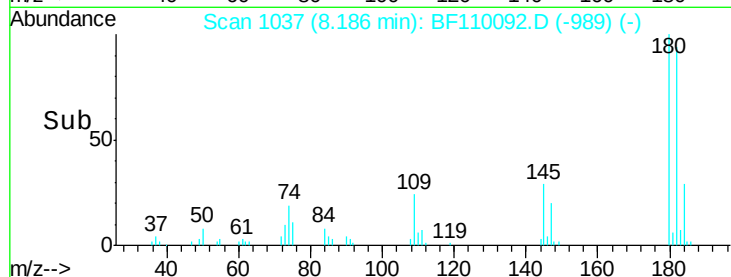
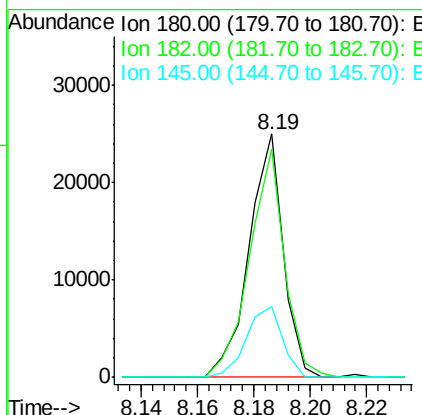
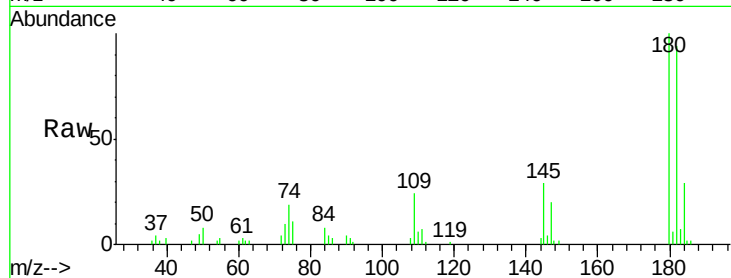




#30
 1,2,4-Trichlorobenzene
 Concen: 1.801 ng
 RT: 8.19 min Scan# 1037
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

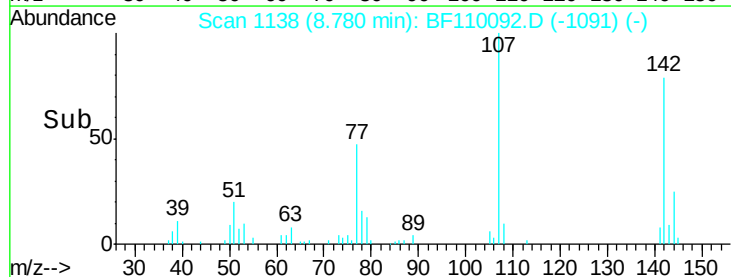
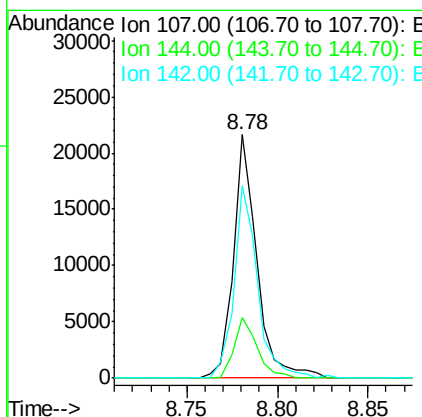
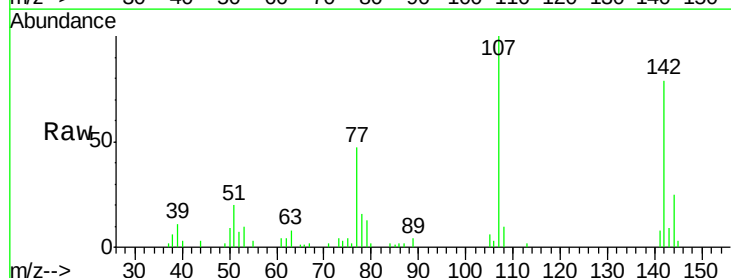
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

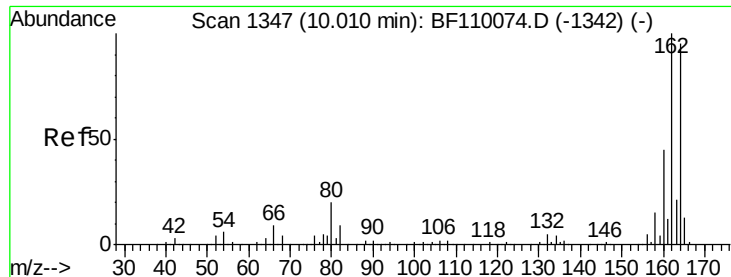
Tgt Ion:180 Resp: 20940
 Ion Ratio Lower Upper
 180 100
 182 93.9 80.3 120.5
 145 28.9 25.4 38.0



#36
 4-Chloro-3-methylphenol
 Concen: 1.739 ng
 RT: 8.78 min Scan# 1138
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

Tgt Ion:107 Resp: 19512
 Ion Ratio Lower Upper
 107 100
 144 24.8 20.0 30.0
 142 78.9 59.7 89.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

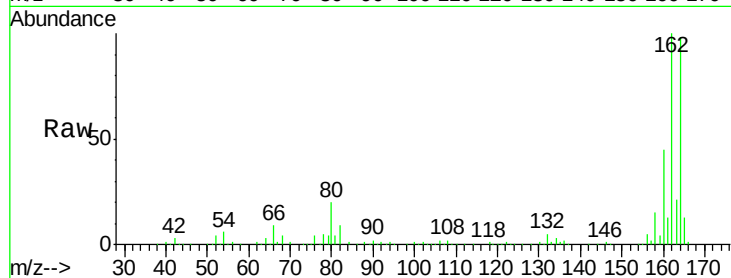
Tgt Ion:164 Resp: 367037

Ion Ratio Lower Upper

164 100

162 101.7 83.0 124.6

160 45.6 37.0 55.6

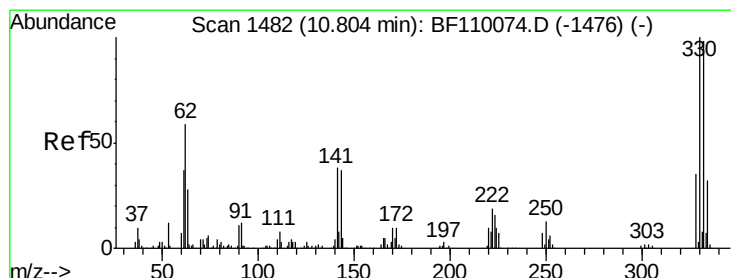
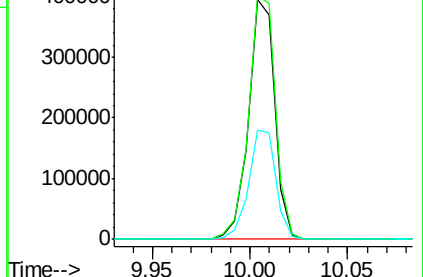
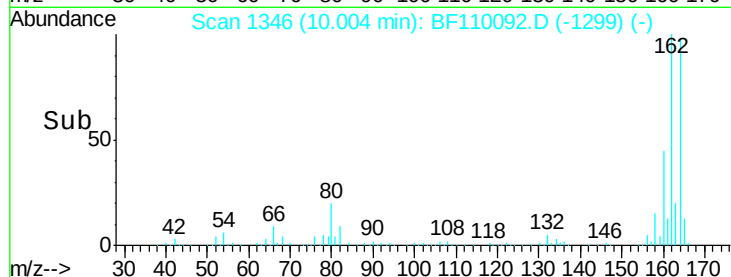


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

10.00



#42

2,4,6-Tribromophenol

Concen: 115.420 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

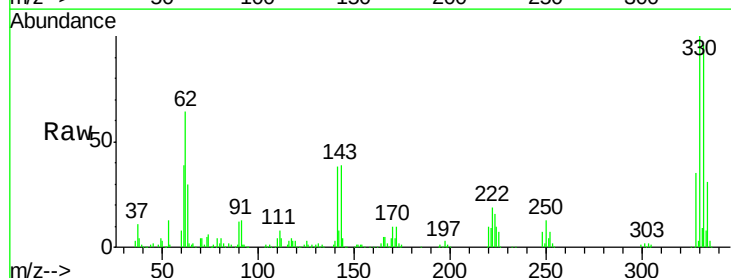
Tgt Ion:330 Resp: 419638

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 36.4 27.0 40.4

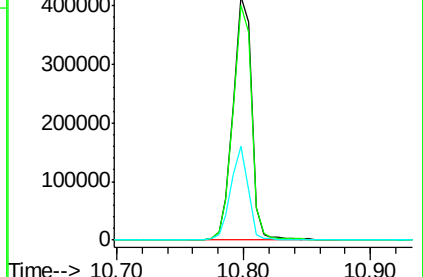
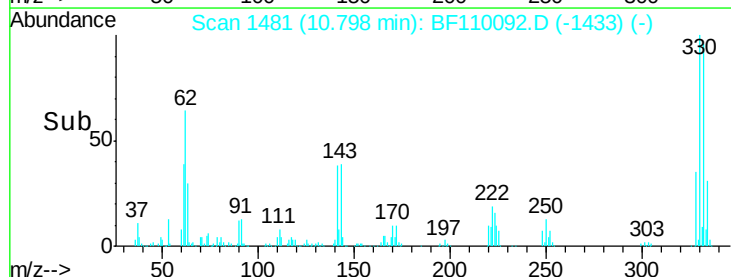


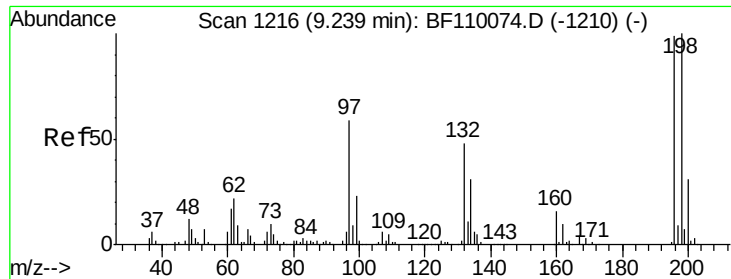
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

10.80

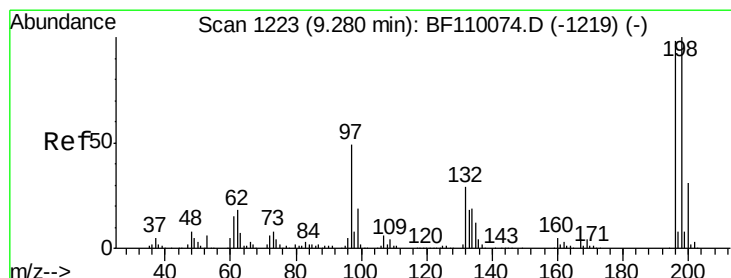
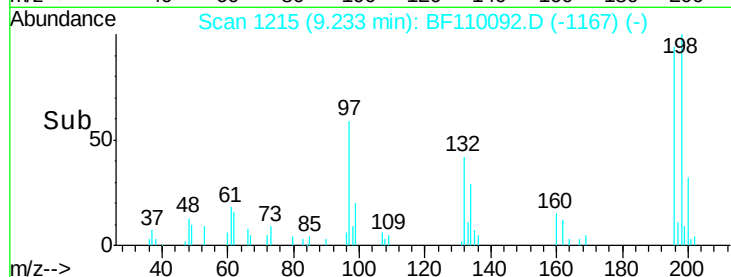
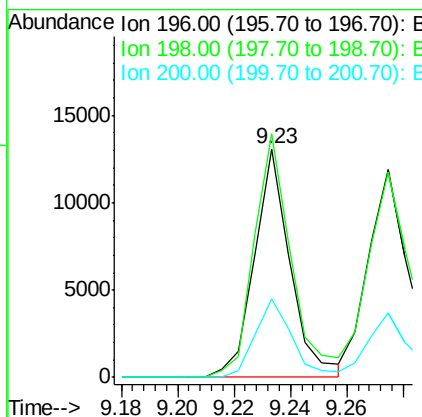
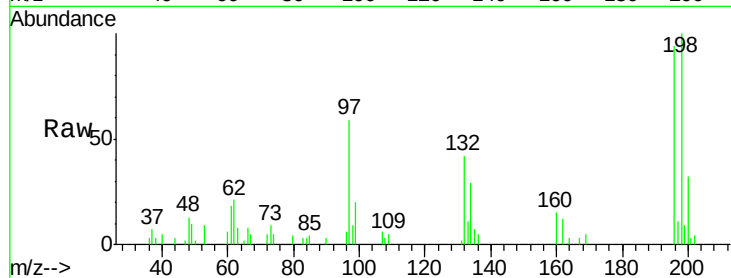




#43
 2,4,6-Trichlorophenol
 Concen: 1.571 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

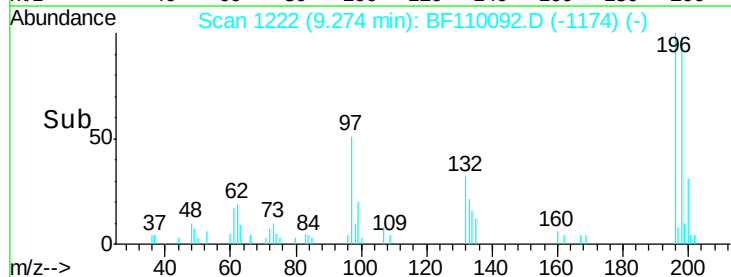
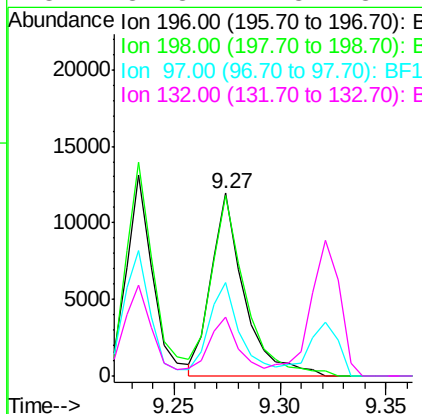
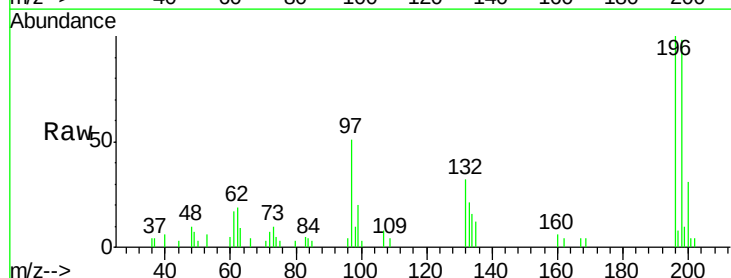
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

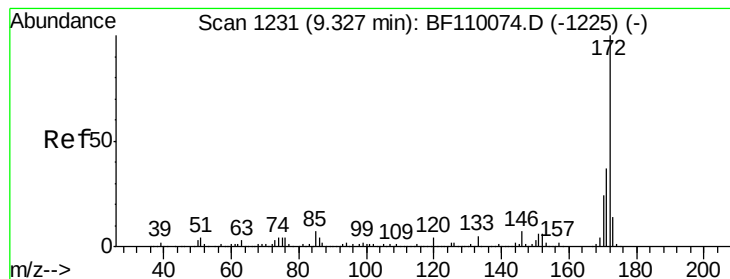
Tgt Ion:196 Resp: 11585
 Ion Ratio Lower Upper
 196 100
 198 106.5 76.2 114.4
 200 34.3 24.4 36.6



#44
 2,4,5-Trichlorophenol
 Concen: 1.670 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

Tgt Ion:196 Resp: 13021
 Ion Ratio Lower Upper
 196 100
 198 98.4 75.8 113.6
 97 51.4 42.4 63.6
 132 32.3 22.8 34.2





#45

2-Fluorobiphenyl

Concen: 73.210 ng

RT: 9.32 min Scan# 1230

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

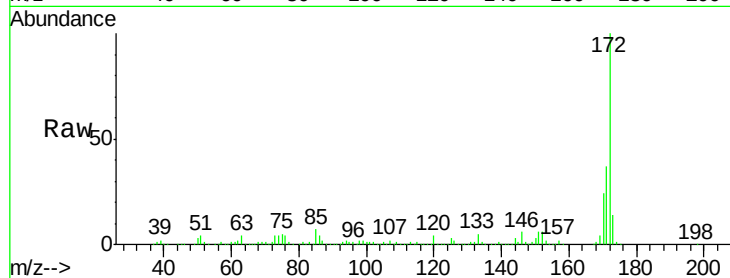
Tgt Ion:172 Resp: 1711242

Ion Ratio Lower Upper

172 100

171 36.9 28.6 43.0

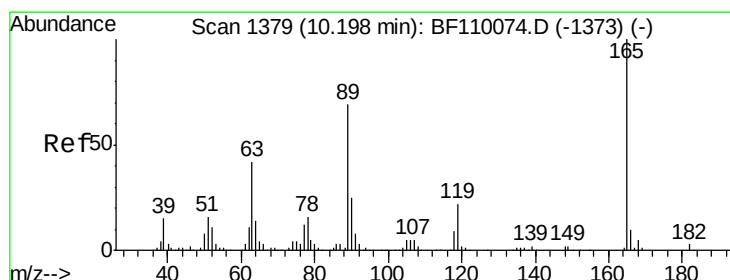
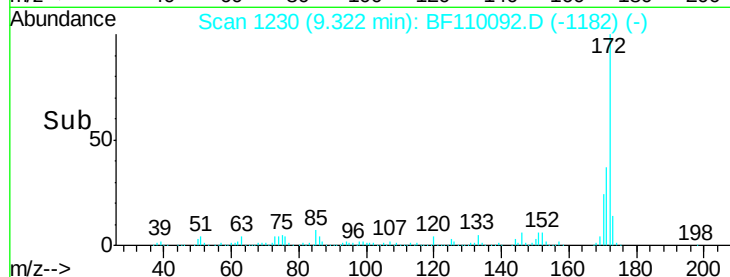
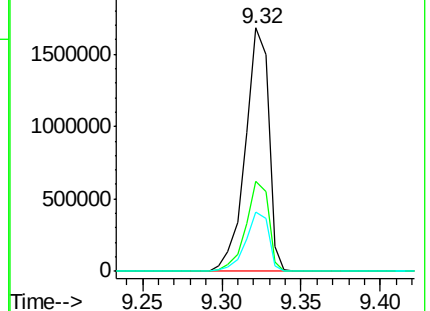
170 24.5 19.7 29.5



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



#57

2,4-Dinitrotoluene

Concen: 1.628 ng

RT: 10.19 min Scan# 1377

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

Tgt Ion:165 Resp: 12065

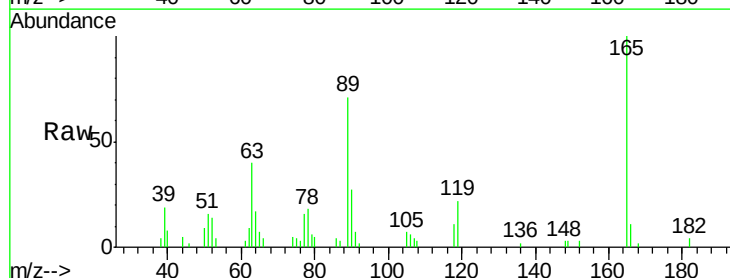
Ion Ratio Lower Upper

165 100

63 40.3 44.8 67.2#

89 70.6 62.2 93.4

182 3.6 2.1 3.1#

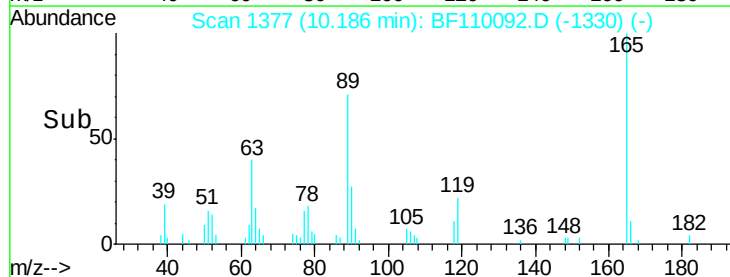
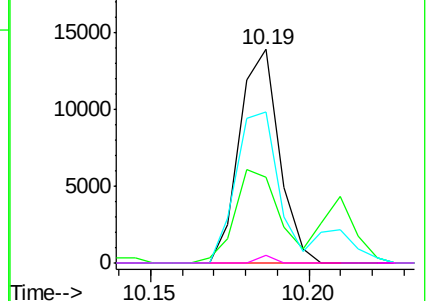


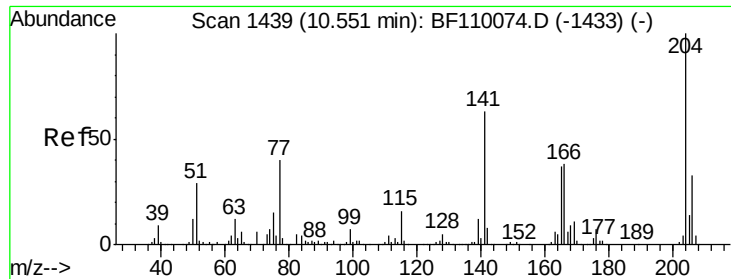
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

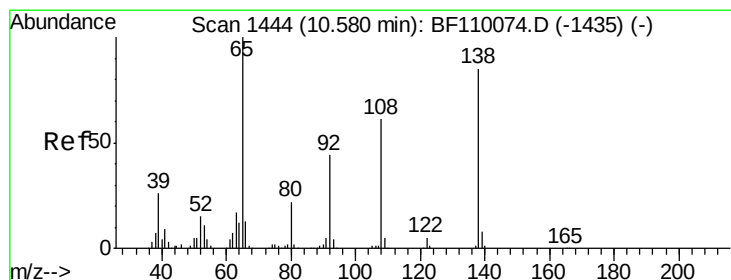
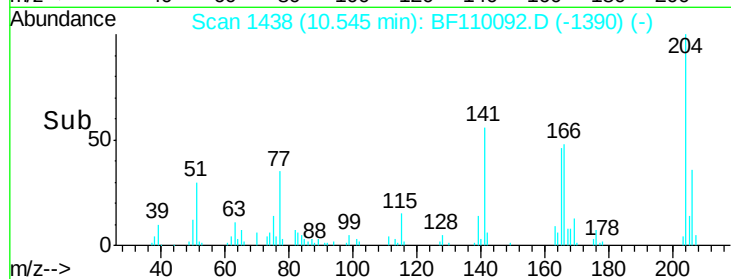
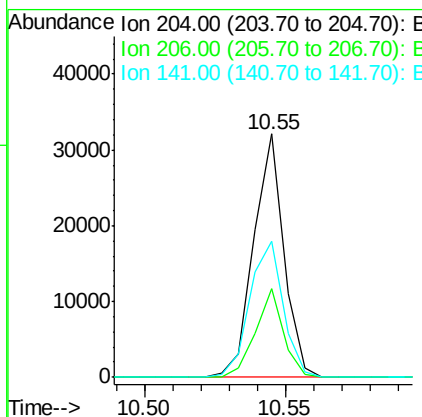
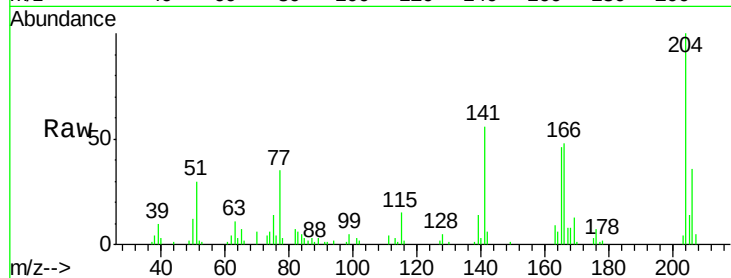




#61
 4-Chlorophenyl-phenylether
 Concen: 1.869 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

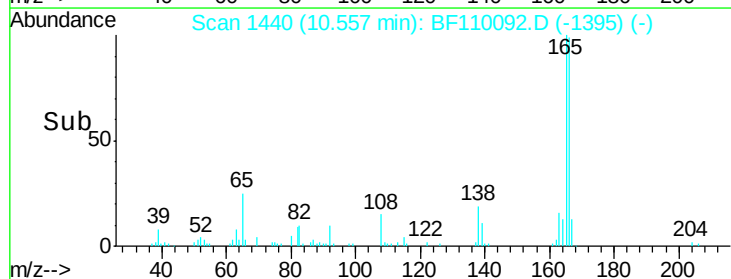
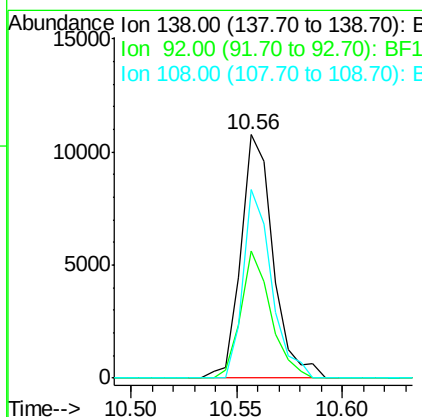
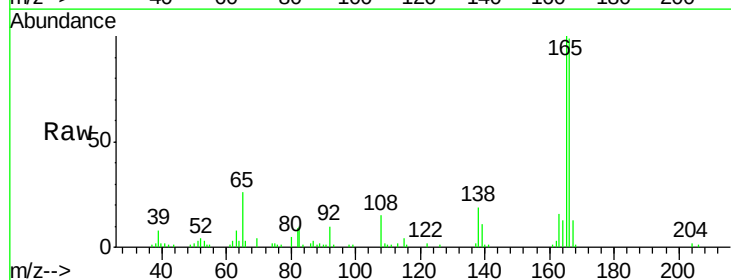
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

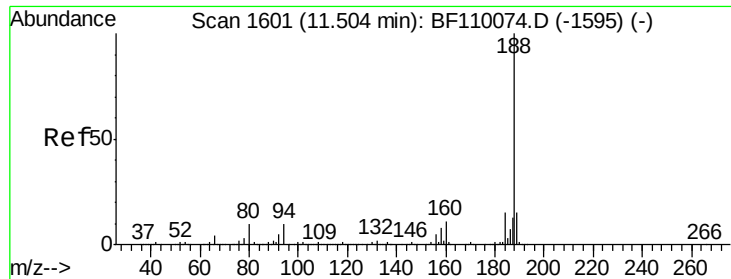
Tgt Ion: 204 Resp: 23902
 Ion Ratio Lower Upper
 204 100
 206 36.3 26.5 39.7
 141 55.8 51.8 77.8



#62
 4-Nitroaniline
 Concen: 1.648 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.04 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

Tgt Ion: 138 Resp: 11375
 Ion Ratio Lower Upper
 138 100
 92 52.3 31.7 71.7
 108 77.7 59.3 99.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

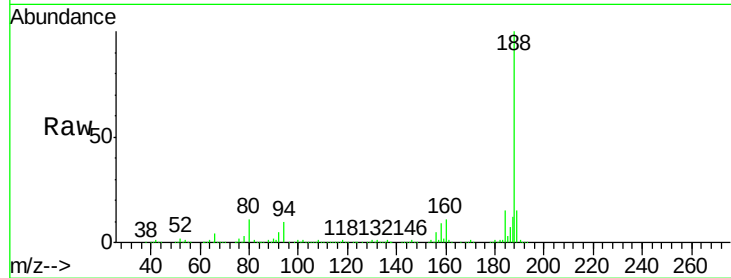
Tgt Ion:188 Resp: 716574

Ion Ratio Lower Upper

188 100

94 9.7 7.2 10.8

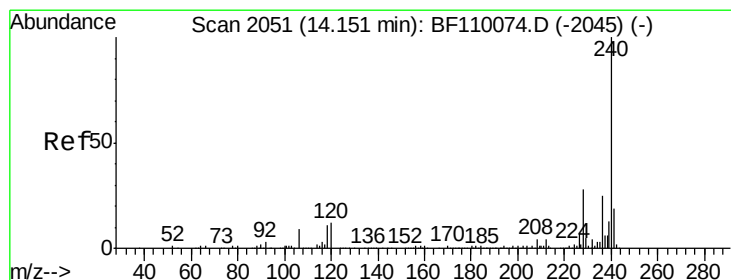
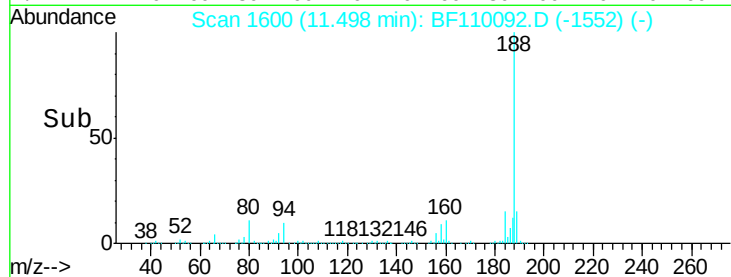
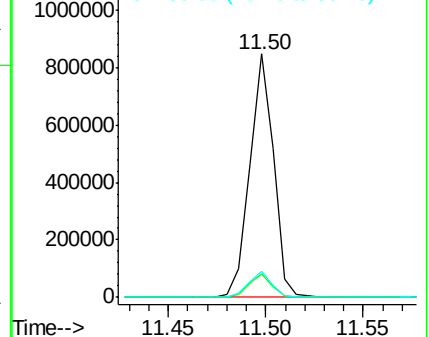
80 10.6 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.02 min

Lab File: BF110092.D

Acq: 23 Oct 2018 22:00

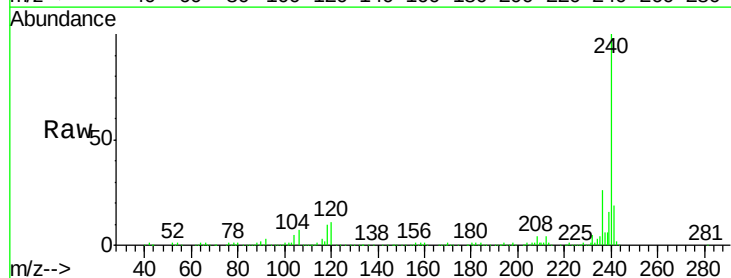
Tgt Ion:240 Resp: 603476

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

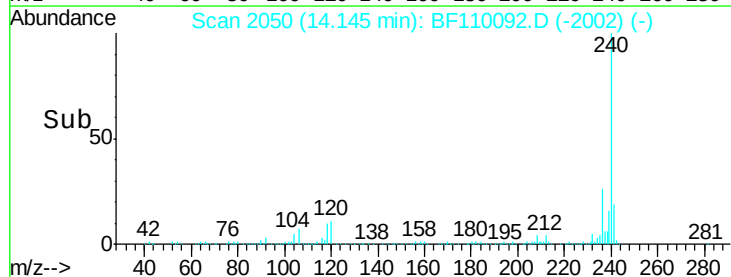
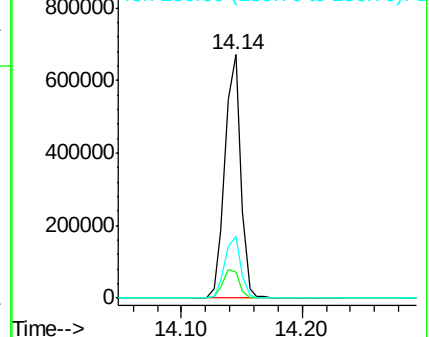
236 25.6 21.2 31.8

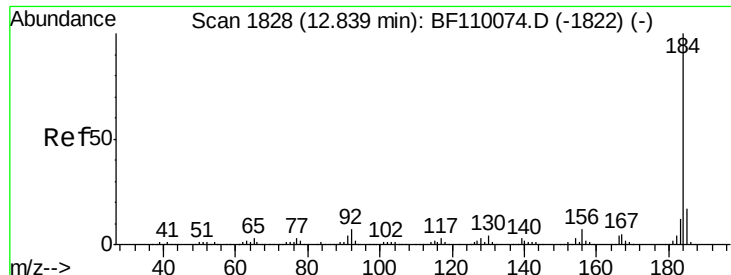


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

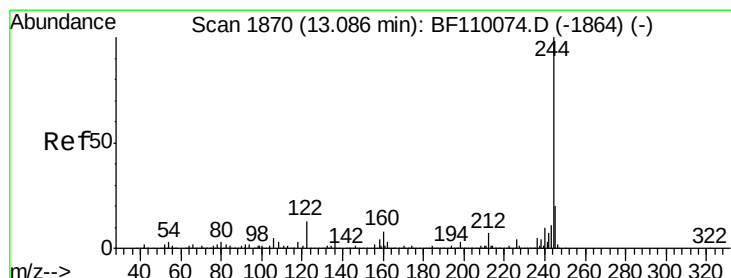
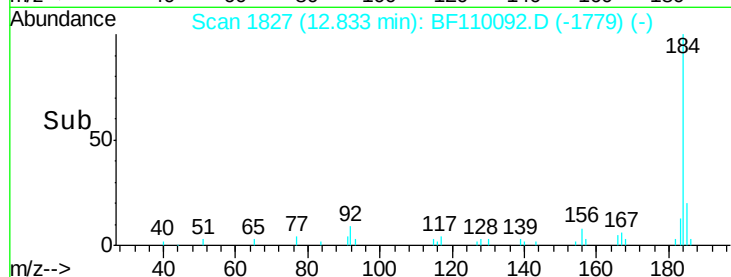
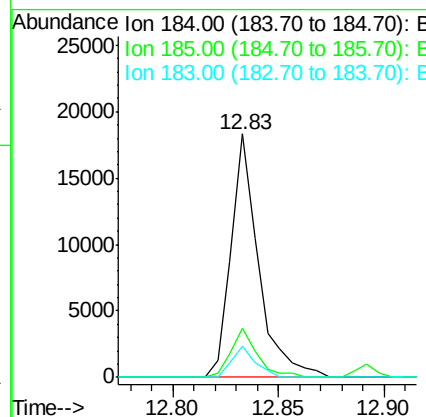
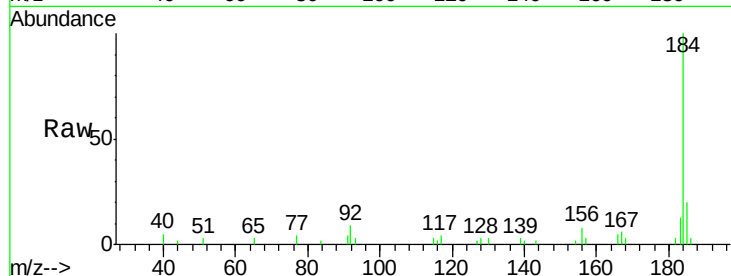




#77
Benzidine
Concen: 0.645 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF110092.D
Acq: 23 Oct 2018 22:00

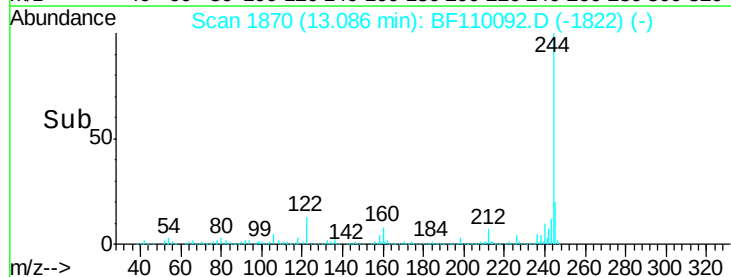
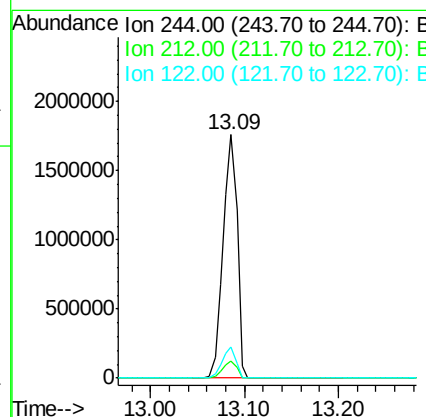
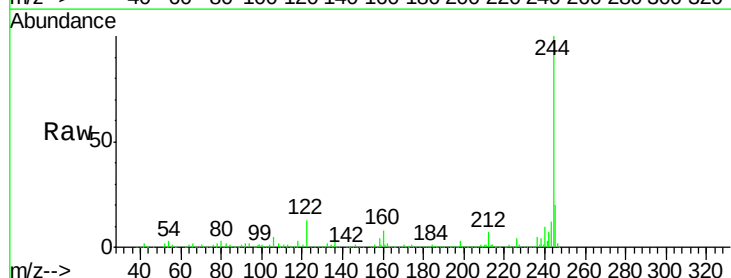
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

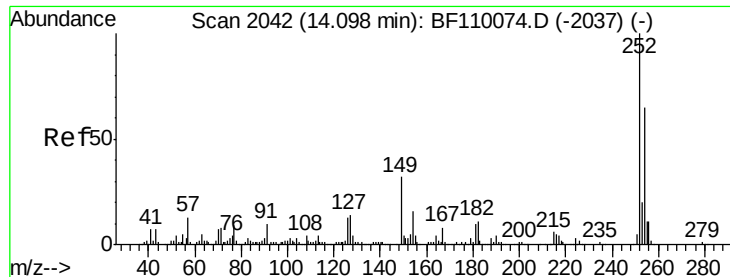
Tgt Ion:184 Resp: 16362
Ion Ratio Lower Upper
184 100
185 20.1 13.4 20.2
183 12.8 9.4 14.2



#79
Terphenyl-d14
Concen: 63.926 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110092.D
Acq: 23 Oct 2018 22:00

Tgt Ion:244 Resp: 1854955
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 13.0 8.7 13.1

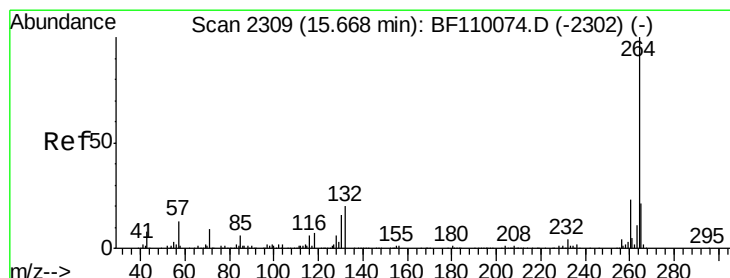
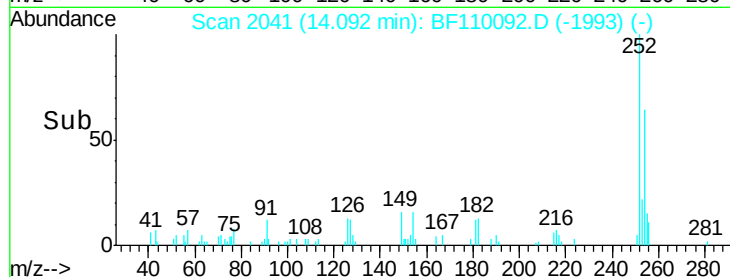
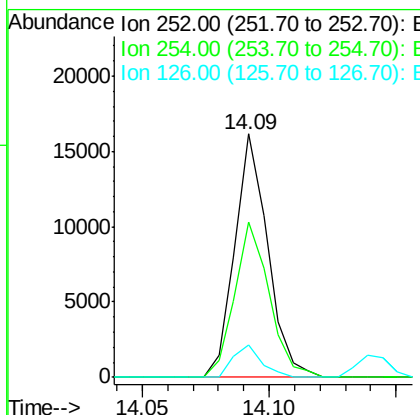
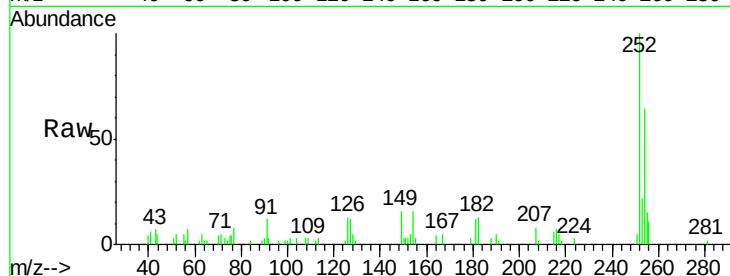




#82
 3,3'-Dichlorobenzidine
 Concen: 1.169 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

Tgt Ion:252 Resp: 14571
 Ion Ratio Lower Upper
 252 100
 254 63.9 51.3 76.9
 126 13.3 9.4 14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.67 min Scan# 2309
 Delta R.T. -0.02 min
 Lab File: BF110092.D
 Acq: 23 Oct 2018 22:00

Tgt Ion:264 Resp: 517059
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 20.8 16.7 25.1

