

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101718\
 Data File : BM017172.D
 Acq On : 17 Oct 2018 23:35
 Operator : MJ/SJ
 Sample : J5164-07
 Misc : LOD 1 PPM
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 18 15:13:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	187077	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	759349	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	437027	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1021786	20.00	ng	0.00
76) Chrysene-d12	21.26	240	1178991	20.00	ng	0.00
87) Perylene-d12	23.47	264	1176124	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1548128	139.96	ng	0.00
7) Phenol-d6	6.85	99	2005012	133.10	ng	0.00
23) Nitrobenzene-d5	8.82	82	1150228	88.59	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	855439	144.74	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	2809024	85.52	ng	0.00
79) Terphenyl-d14	19.70	244	4380660	83.75	ng	0.00

Target Compounds				Qvalue		
6) Aniline	7.02	93	11249	0.597	ng	95
8) 2-Chlorophenol	7.24	128	13207	1.032	ng	83
9) Benzaldehyde	6.83	77	14132	1.471	ng	# 76
10) Phenol	6.87	94	15117	0.932	ng	# 54
11) bis(2-Chloroethyl)ether	7.11	93	12159	0.941	ng	95
12) 1,3-Dichlorobenzene	7.56	146	14781	0.991	ng	95
13) 1,4-Dichlorobenzene	7.71	146	14565	0.956	ng	96
14) 1,2-Dichlorobenzene	8.02	146	14964	1.019	ng	96
15) Benzyl Alcohol	7.92	79	9794	0.889	ng	92
16) 2,2'-oxybis(1-Chloropropan	8.21	45	16961	0.939	ng	94
18) Hexachloroethane	8.73	117	5315	1.019	ng	82
24) Nitrobenzene	8.86	77	15198	1.107	ng	# 87
31) Naphthalene	10.50	128	39684	1.066	ng	98
34) Hexachlorobutadiene	10.77	225	9395	1.123	ng	# 84
37) 2-Methylnaphthalene	12.12	142	28054	1.102	ng	95
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	15415	1.002	ng	94
46) 1,1'-Biphenyl	13.15	154	41616	1.058	ng	95
47) 2-Chloronaphthalene	13.18	162	27911	0.965	ng	97
48) 2-Nitroaniline	13.40	65	4874	6.213	ng	# 78
49) Acenaphthylene	14.03	152	38069	0.908	ng	96
50) Dimethylphthalate	13.78	163	34380	1.020	ng	# 97
51) 2,6-Dinitrotoluene	13.90	165	4684	0.631	ng	# 74
52) Acenaphthene	14.37	154	27082	1.029	ng	94
55) Dibenzofuran	14.72	168	42821	0.978	ng	98
58) Fluorene	15.37	166	32669	1.008	ng	94
59) 2,3,4,6-Tetrachlorophenol	14.95	232	6713	0.769	ng	# 94
60) Diethylphthalate	15.15	149	31861	0.953	ng	98
63) Azobenzene	15.66	77	25488	0.784	ng	95
66) n-Nitrosodiphenylamine	15.59	169	24826	0.803	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	10976	0.978	ng	94
68) Hexachlorobenzene	16.37	284	12359	0.948	ng	96
69) Atrazine	16.54	200	8051	0.728	ng	96
71) Phenanthrene	17.10	178	58837	1.067	ng	97
72) Anthracene	17.20	178	51079	0.975	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

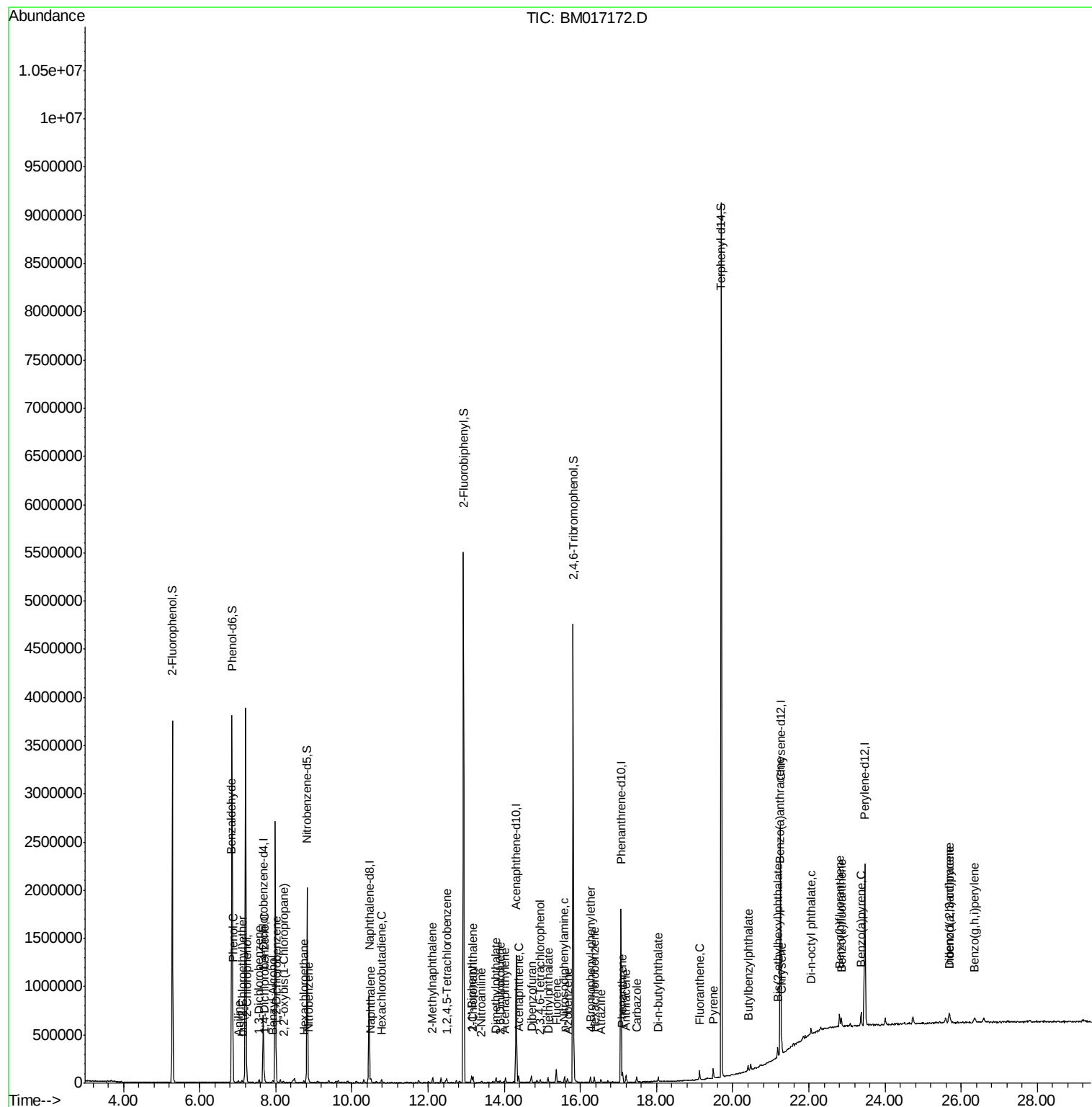
73) Carbazole	17.47	167	41156	0.769	nq	98
74) Di-n-butylphthalate	18.04	149	40294	0.714	nq #	98
75) Fluoranthene	19.13	202	61936	0.998	nq	98
78) Pyrene	19.49	202	63438	0.963	nq	99
80) Butylbenzylphthalate	20.40	149	14798	7.678	nq #	86
81) Benzo(a)anthracene	21.24	228	69260	1.044	nq	95
83) Chrysene	21.29	228	67399	1.026	nq	98
84) Bis(2-ethylhexyl)phthalate	21.18	149	25306	5.895	nq	96
85) Di-n-octyl phthalate	22.06	149	41205	6.132	nq #	97
86) Indeno(1,2,3-cd)pyrene	25.69	276	72878	0.992	nq	98
88) Benzo(b)fluoranthene	22.81	252	65685	1.021	nq	94
89) Benzo(k)fluoranthene	22.85	252	65190	1.010	nq	98
90) Benzo(a)pyrene	23.37	252	62088	1.017	nq #	94
91) Dibenzo(a,h)anthracene	25.69	278	63277	1.044	nq	97
92) Benzo(a,h,i)perylene	26.36	276	63337	1.054	nq	94

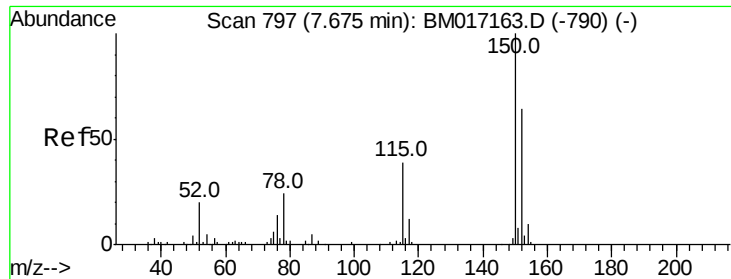
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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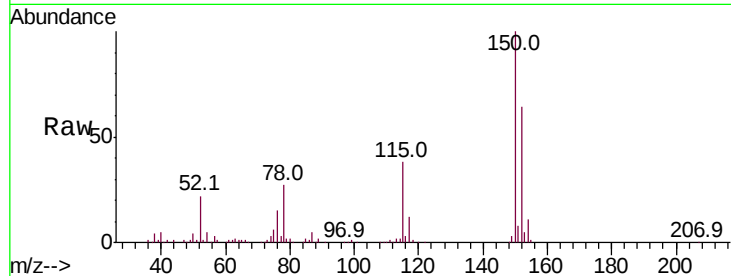


#1

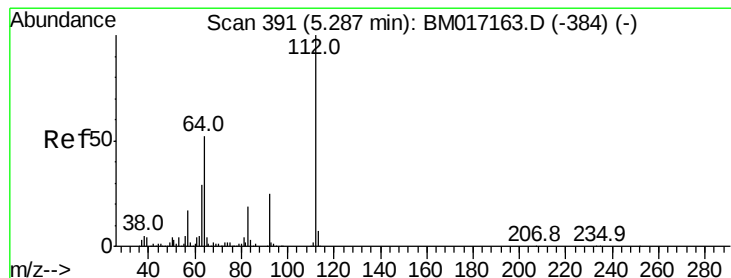
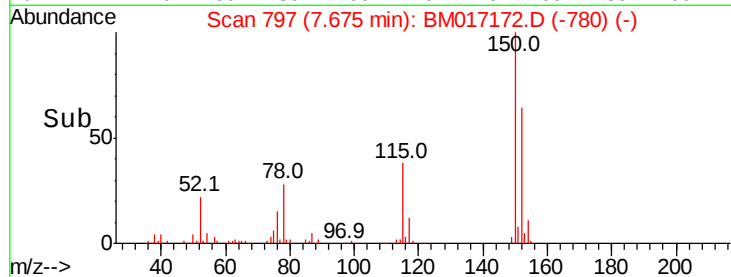
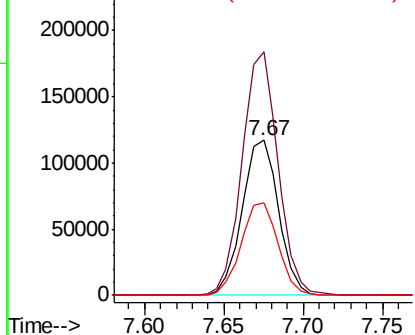
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 797
Delta R.T. -0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

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

Tot Ion:152 Resp: 187077
Ion Ratio Lower Upper
152 100
150 157.3 124.3 186.5
115 59.9 48.1 72.1



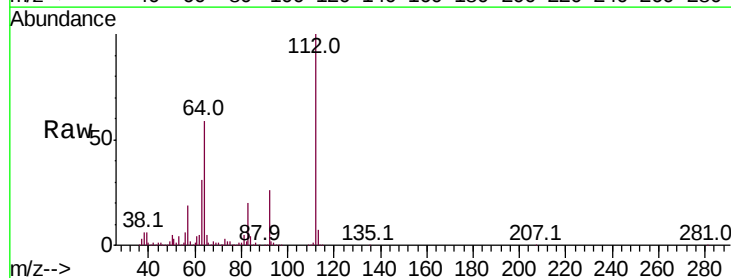
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



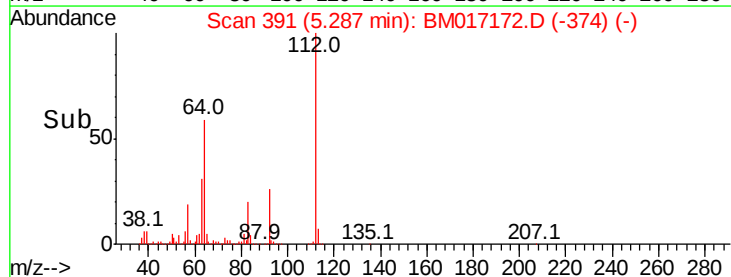
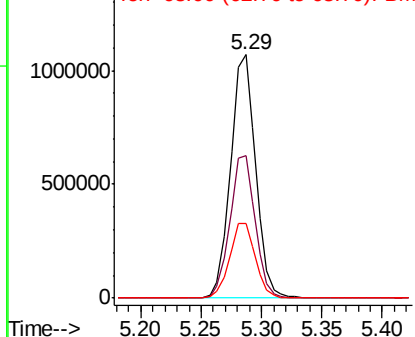
#5

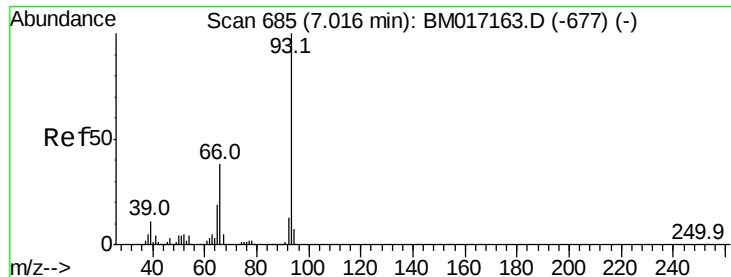
2-Fluorophenol
Concen: 139.964 ng
RT: 5.29 min Scan# 391
Delta R.T. 0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion:112 Resp: 1548128
Ion Ratio Lower Upper
112 100
64 58.7 41.7 62.5
63 30.9 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#6

Aniline

Concen: 0.597 ng

RT: 7.02 min Scan# 685

Delta R.T. -0.00 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

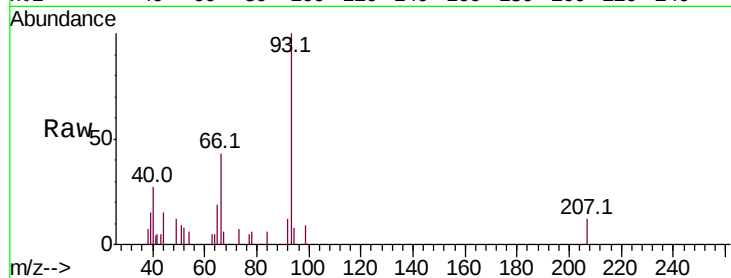
Tot Ion: 93 Resp: 11249

Ion Ratio Lower Upper

93 100

66 42.7 30.4 45.6

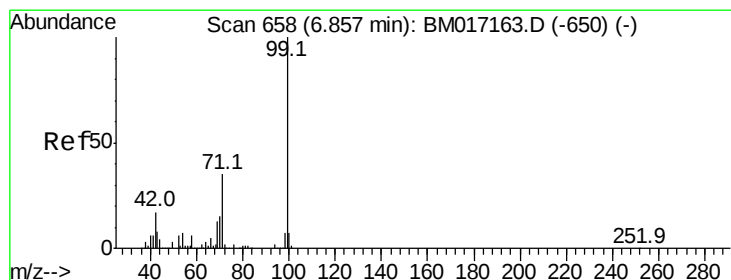
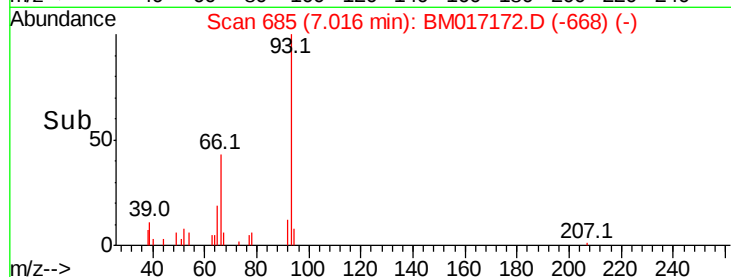
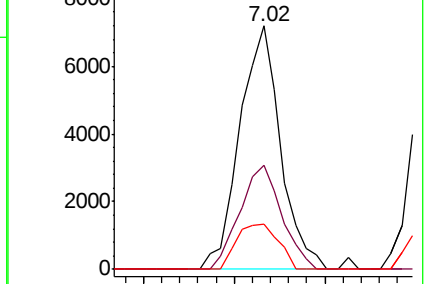
65 18.7 15.3 22.9



Abundance Ion 93.00 (92.70 to 93.70): BM017163.D (-677) (-)

Ion 66.00 (65.70 to 66.70): BM017163.D (-677) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-677) (-)



#7

Phenol-d6

Concen: 133.097 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

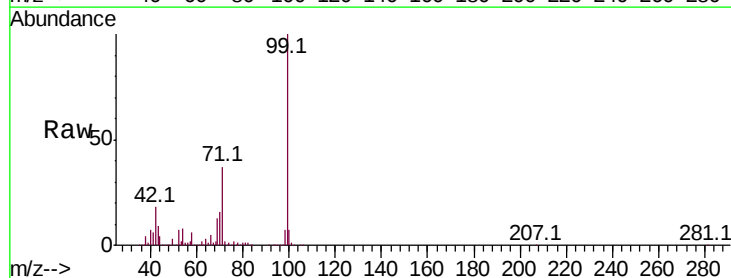
Tgt Ion: 99 Resp: 2005012

Ion Ratio Lower Upper

99 100

42 18.0 13.3 19.9

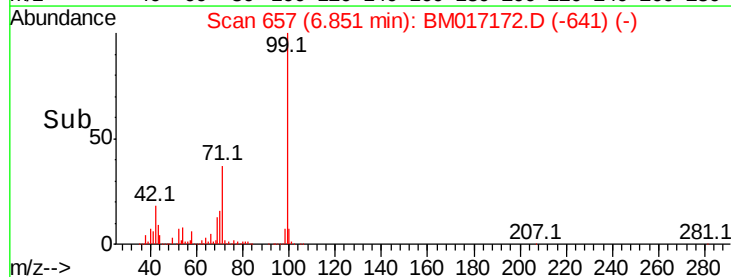
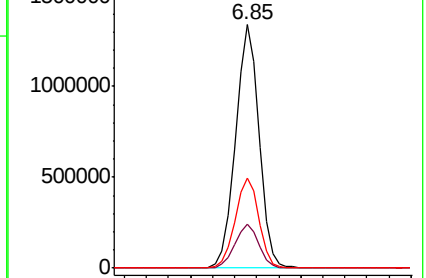
71 37.1 28.0 42.0

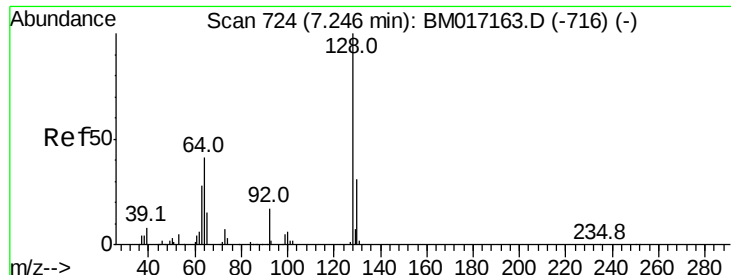


Abundance Ion 99.00 (98.70 to 99.70): BM017163.D (-650) (-)

Ion 42.00 (41.70 to 42.70): BM017163.D (-650) (-)

Ion 71.00 (70.70 to 71.70): BM017163.D (-650) (-)





#8

2-Chlorophenol

Concen: 1.032 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

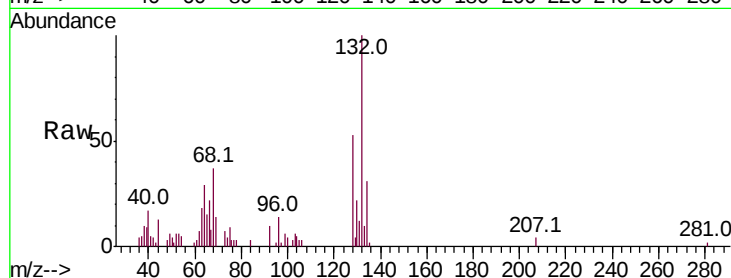
Tot Ion:128 Resp: 13207

Ion Ratio Lower Upper

128 100

130 40.8 11.0 51.0

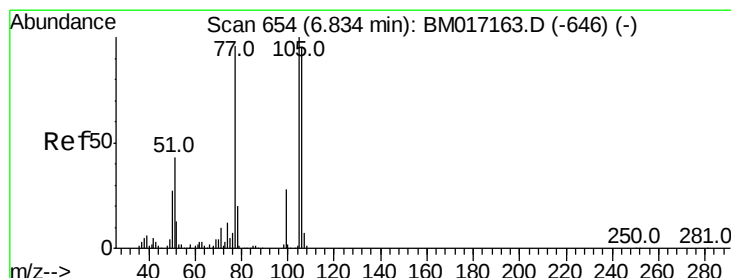
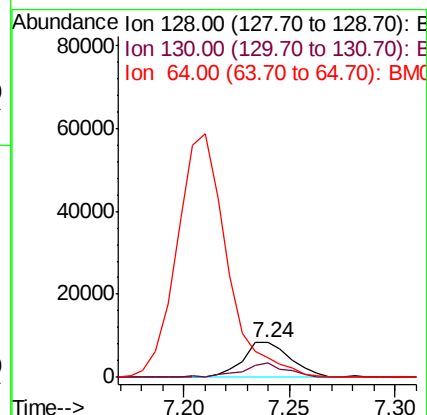
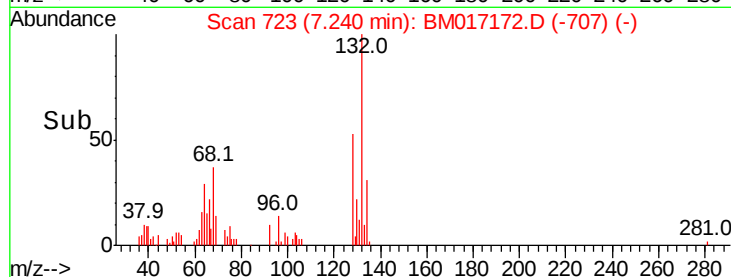
64 54.7 24.1 64.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 1.471 ng

RT: 6.83 min Scan# 654

Delta R.T. 0.00 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

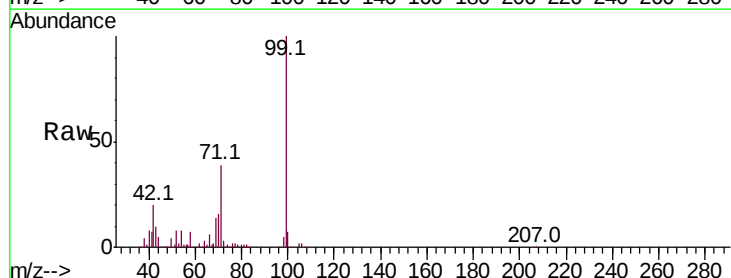
Tgt Ion: 77 Resp: 14132

Ion Ratio Lower Upper

77 100

105 78.9 83.9 123.9#

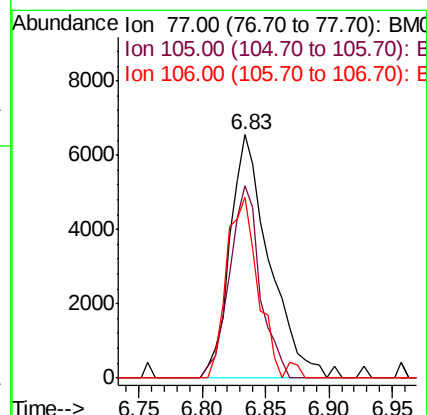
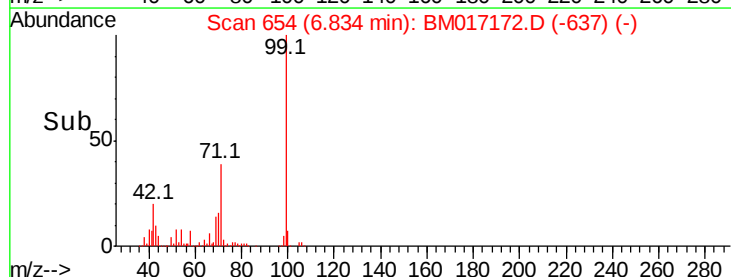
106 74.5 78.2 118.2#

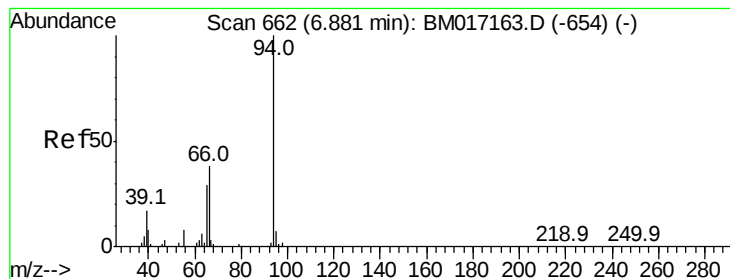


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.932 ng

RT: 6.87 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM017172.D

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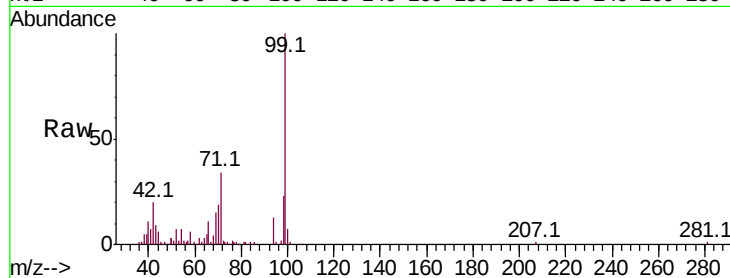
Tot Ion: 94 Resp: 15117

Ion Ratio Lower Upper

94 100

65 35.5 9.4 49.4

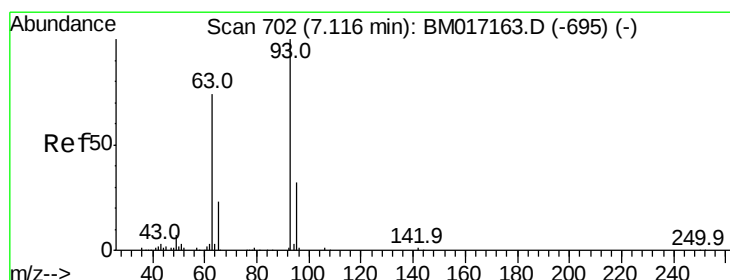
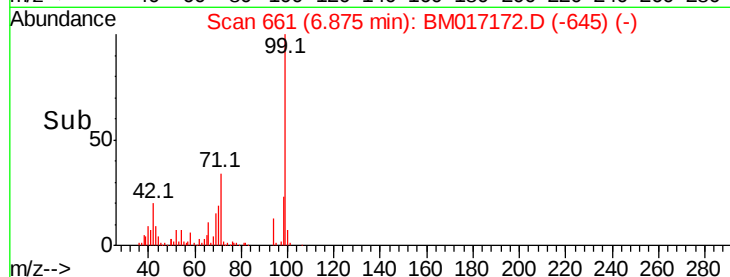
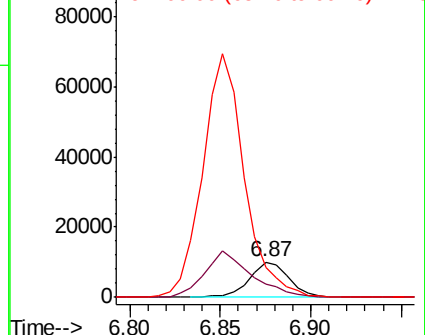
66 82.5 19.0 59.0#



Abundance Ion 94.00 (93.70 to 94.70): BM017163.D (-654) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-654) (-)

Ion 66.00 (65.70 to 66.70): BM017163.D (-654) (-)



#11

bis(2-Chloroethyl)ether

Concen: 0.941 ng

RT: 7.11 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

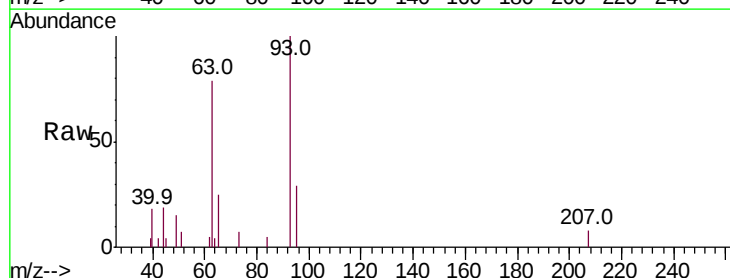
Tgt Ion: 93 Resp: 12159

Ion Ratio Lower Upper

93 100

63 78.7 54.0 94.0

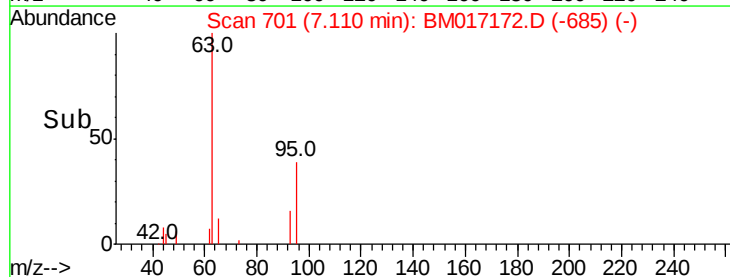
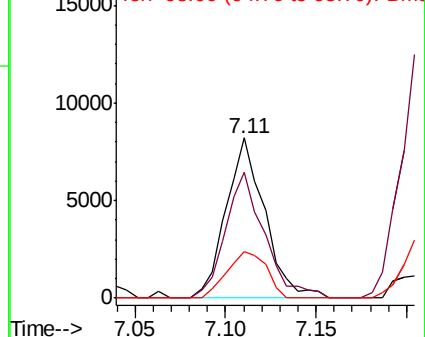
95 28.9 11.8 51.8

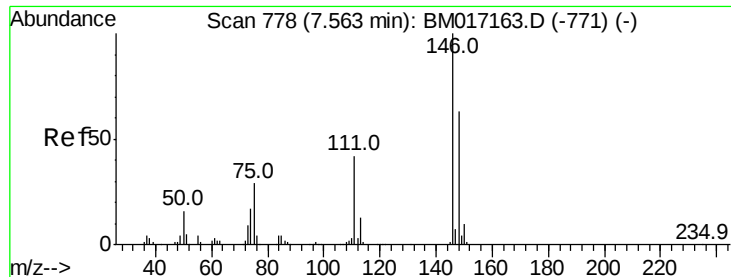


Abundance Ion 93.00 (92.70 to 93.70): BM017163.D (-695) (-)

Ion 63.00 (62.70 to 63.70): BM017163.D (-695) (-)

Ion 95.00 (94.70 to 95.70): BM017163.D (-695) (-)

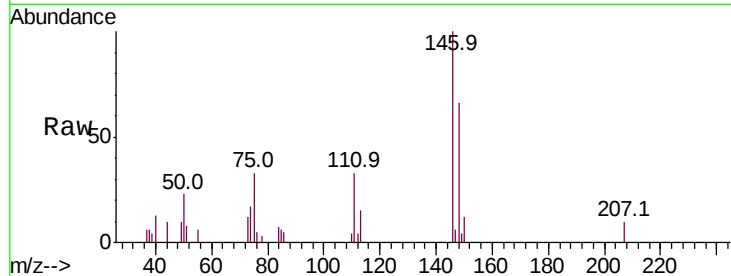




#12
 1,3-Dichlorobenzene
 Concen: 0.991 ng
 RT: 7.56 min Scan# 777
 Delta R.T. -0.01 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

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

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.0	50.2	75.4
75	33.5	23.3	34.9

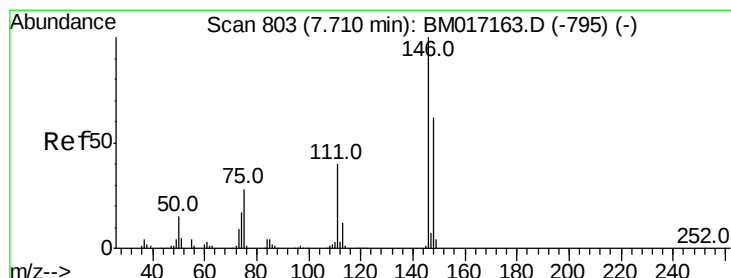
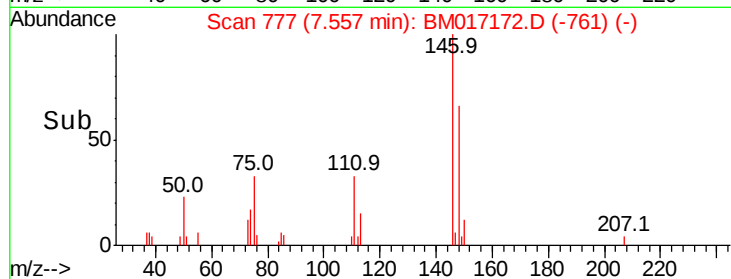
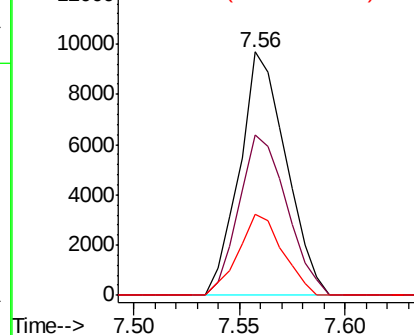


Abundance

Ion 146.00 (145.70 to 146.70): E

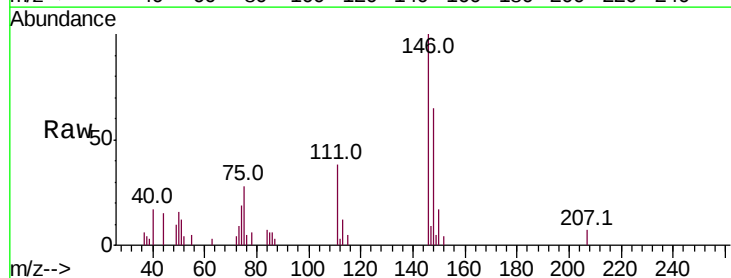
Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BMC



#13
 1,4-Dichlorobenzene
 Concen: 0.956 ng
 RT: 7.71 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	49.8	74.6
111	37.6	32.1	48.1

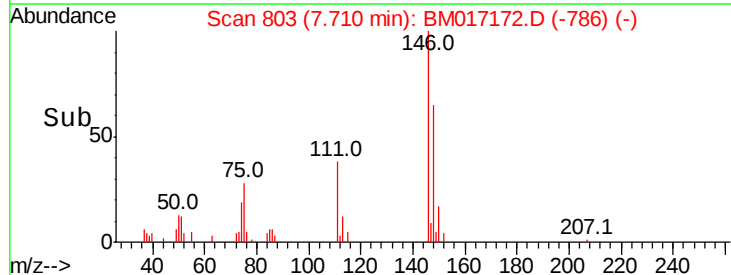
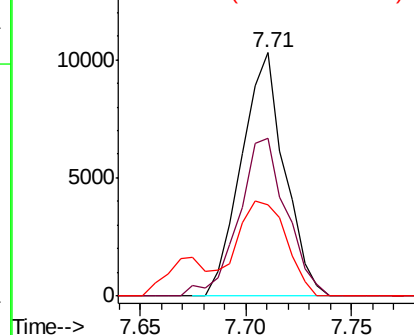


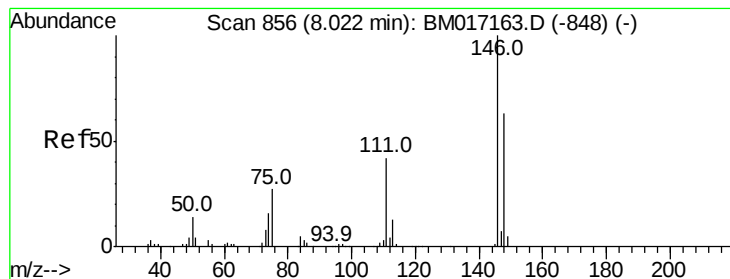
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 1.019 ng

RT: 8.02 min Scan# 856

Delta R.T. -0.00 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

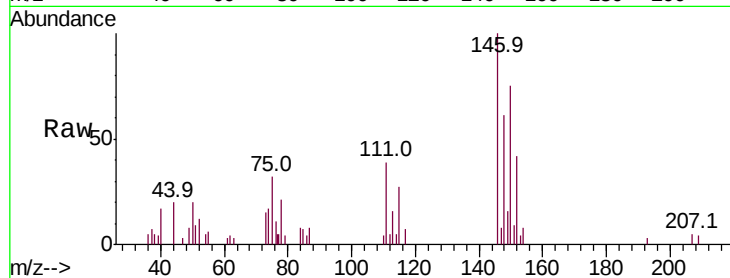
Tot Ion:146 Resp: 14964

Ion Ratio Lower Upper

146 100

148 60.9 50.8 76.2

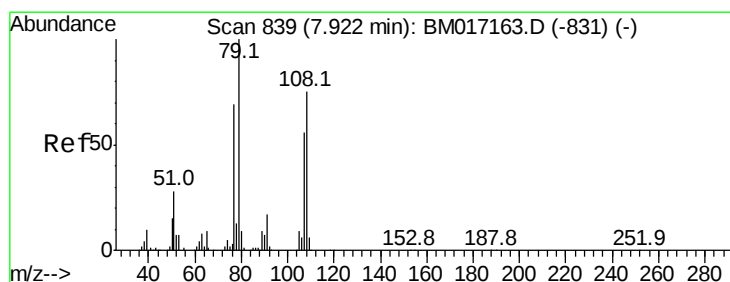
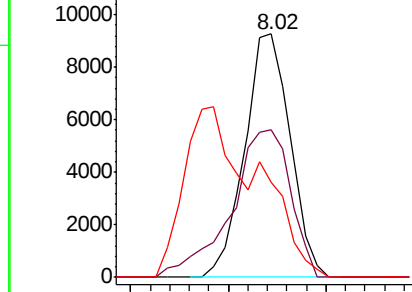
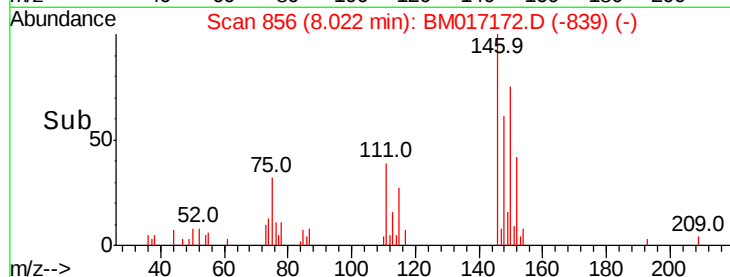
111 39.1 33.8 50.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 0.889 ng

RT: 7.92 min Scan# 839

Delta R.T. -0.00 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

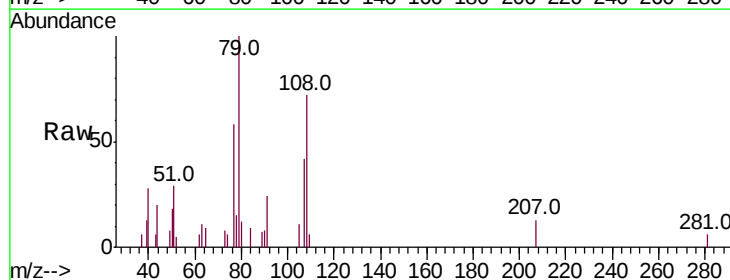
Tgt Ion: 79 Resp: 9794

Ion Ratio Lower Upper

79 100

108 72.0 60.3 90.5

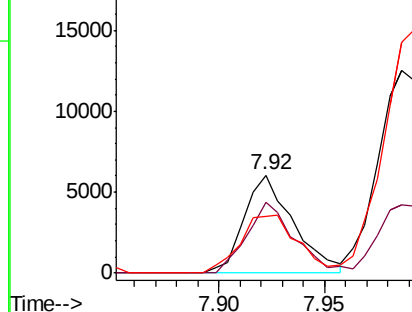
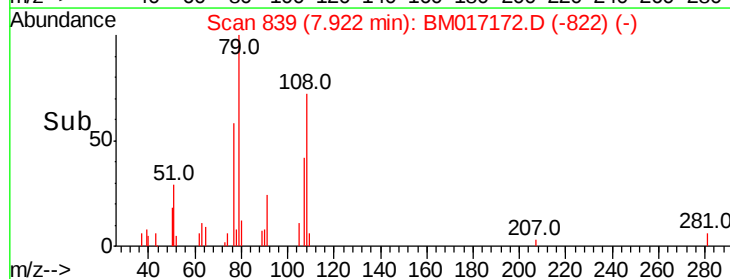
77 57.7 54.8 82.2

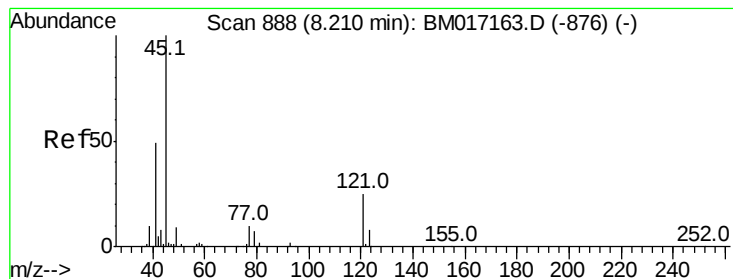


Abundance Ion 79.00 (78.70 to 79.70): BM0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

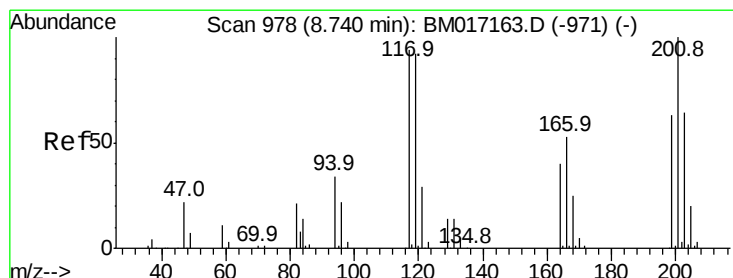
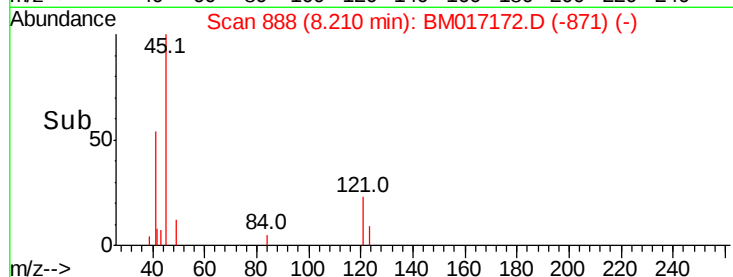
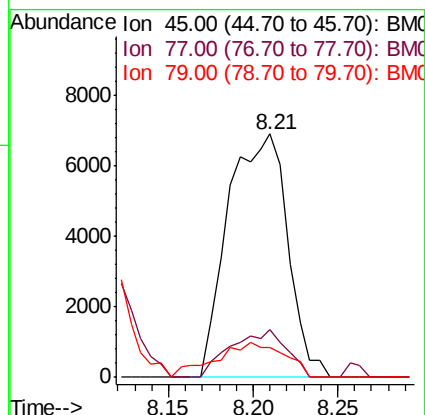
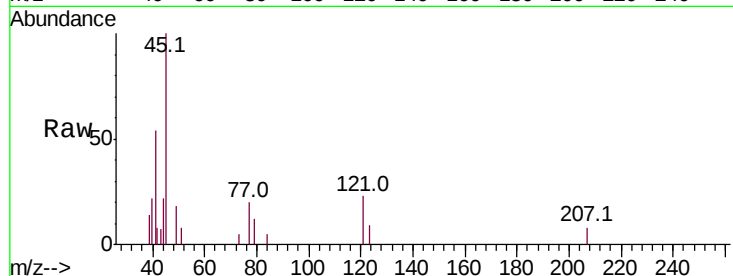




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.939 ng
RT: 8.21 min Scan# 888
Delta R.T. -0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

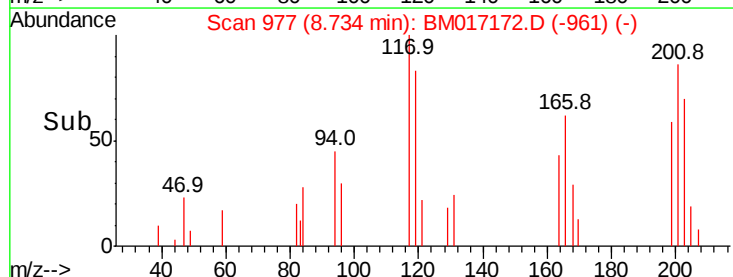
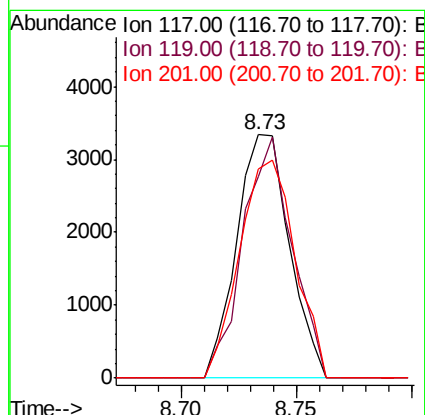
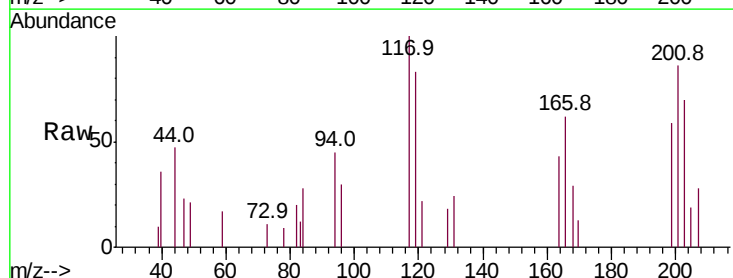
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

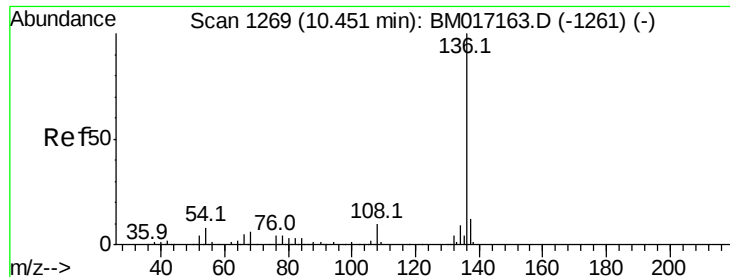
Tot Ion: 45 Resp: 16961
Ion Ratio Lower Upper
45 100
77 19.8 0.0 35.5
79 12.1 0.0 32.1



#18
Hexachloroethane
Concen: 1.019 ng
RT: 8.73 min Scan# 977
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion: 117 Resp: 5315
Ion Ratio Lower Upper
117 100
119 82.8 78.2 117.2
201 86.0 85.3 127.9

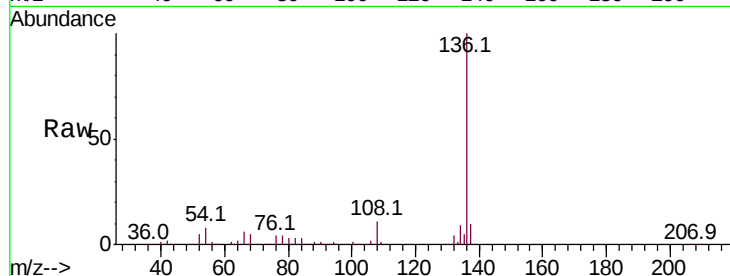




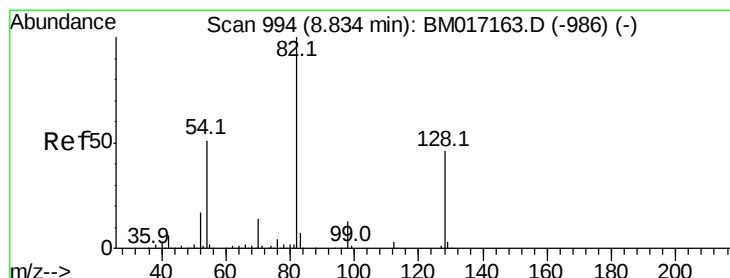
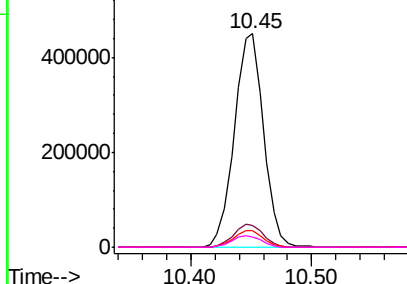
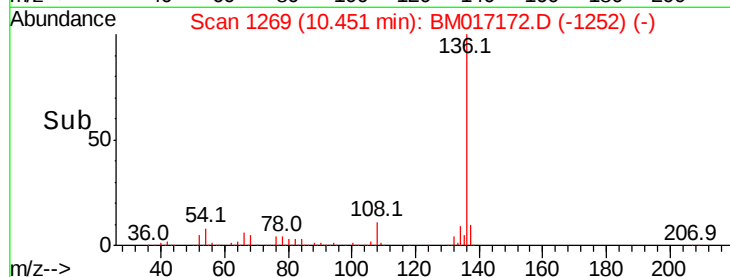
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

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

Tot Ion:136	Resp:	759349
Ion Ratio	Lower	Upper
136 100		
137 10.4	9.2	13.8
54 7.7	6.7	10.1
68 4.8	4.7	7.1

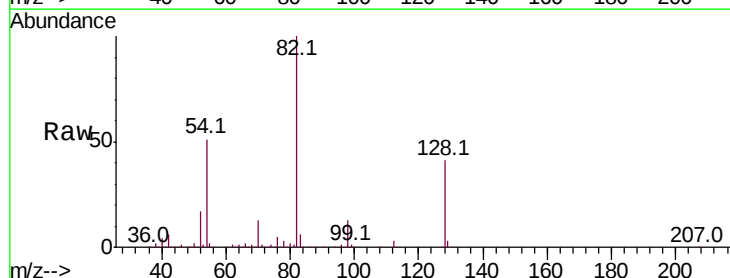


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

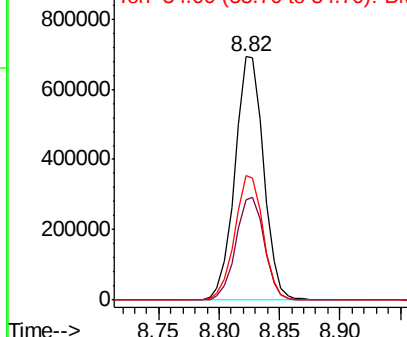
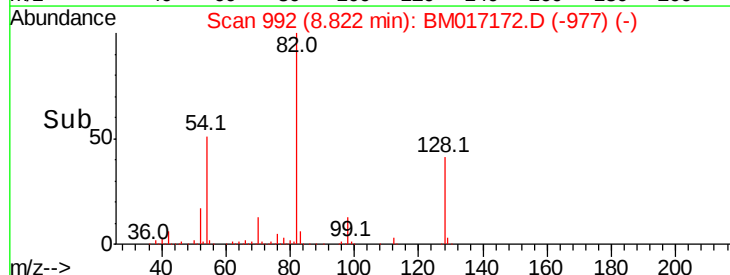


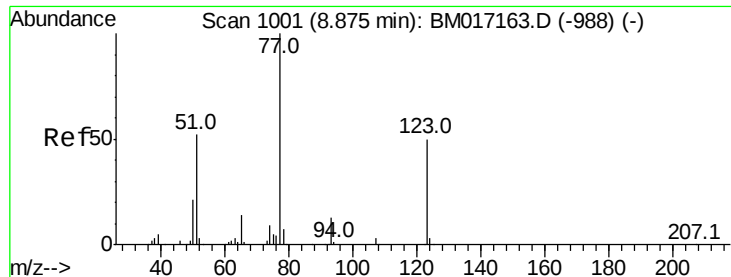
#23
Nitrobenzene-d5
Concen: 88.591 ng
RT: 8.82 min Scan# 992
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion: 82	Resp: 1150228
Ion Ratio	Lower Upper
82 100	
128 41.3	37.0 55.6
54 51.4	40.7 61.1



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

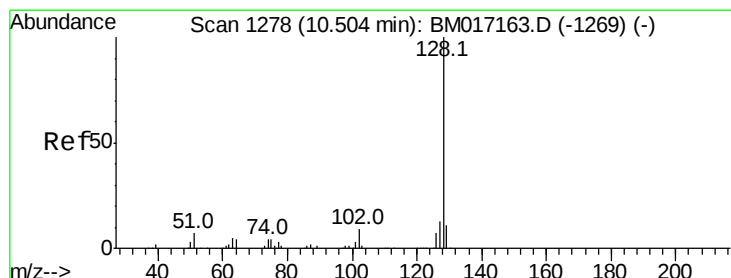
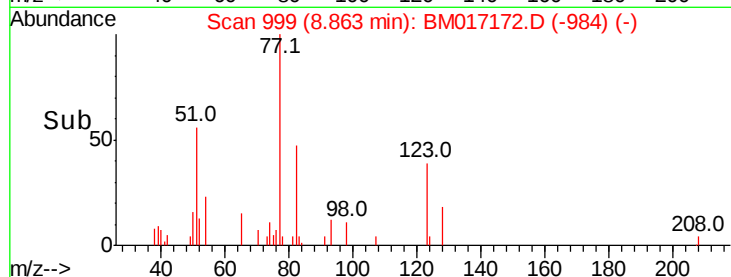
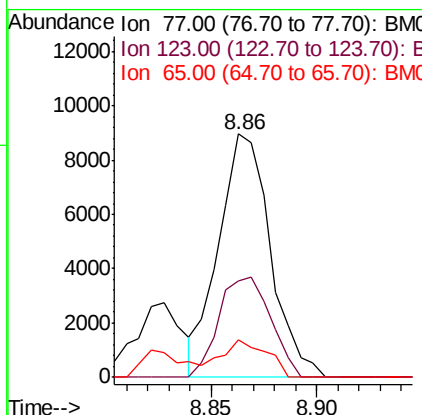
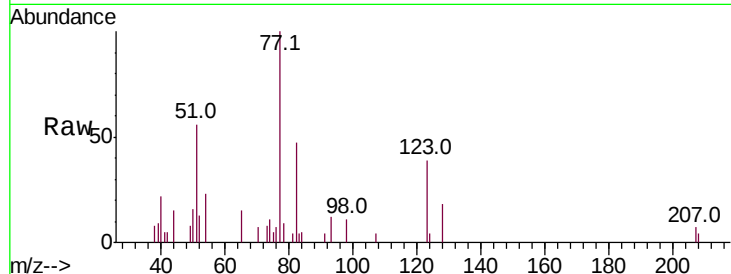




#24
Nitrobenzene
Concen: 1.107 ng
RT: 8.86 min Scan# 999
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

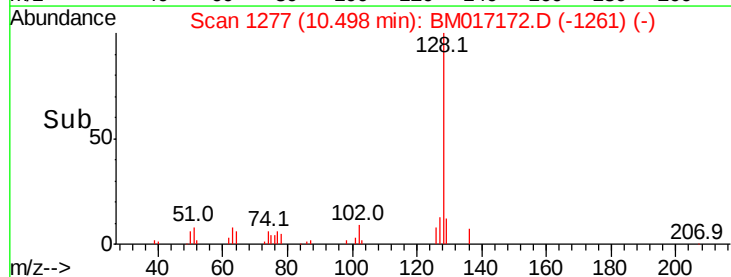
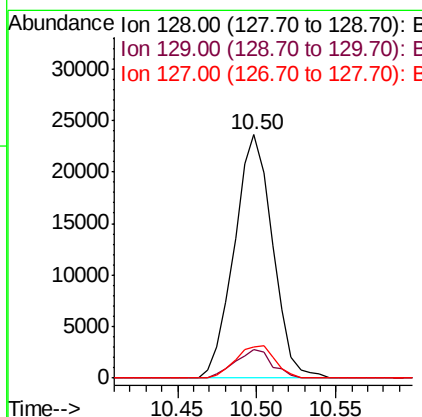
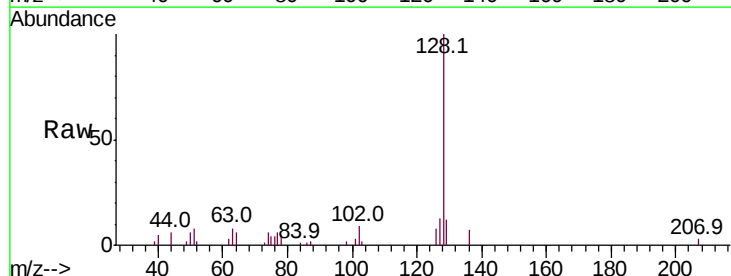
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

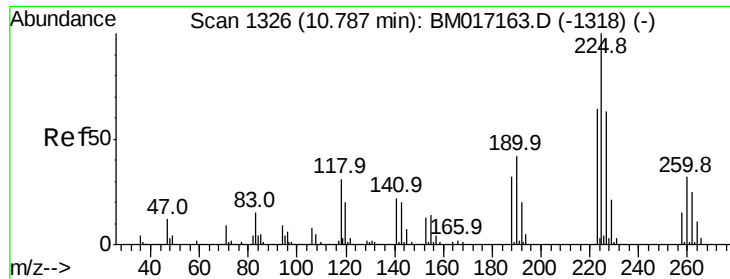
Tot Ion: 77 Resp: 15198
Ion Ratio Lower Upper
77 100
123 39.3 40.2 60.4#
65 15.3 11.4 17.0



#31
Naphthalene
Concen: 1.066 ng
RT: 10.50 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion: 128 Resp: 39684
Ion Ratio Lower Upper
128 100
129 12.0 8.5 12.7
127 12.9 10.3 15.5

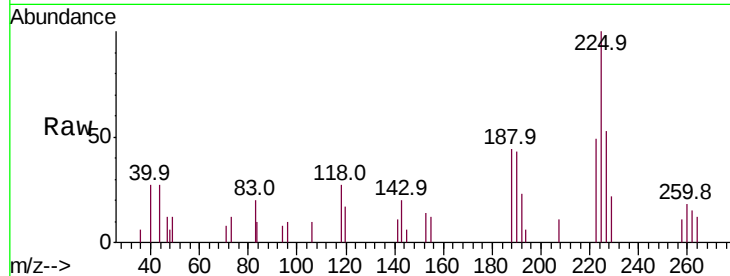




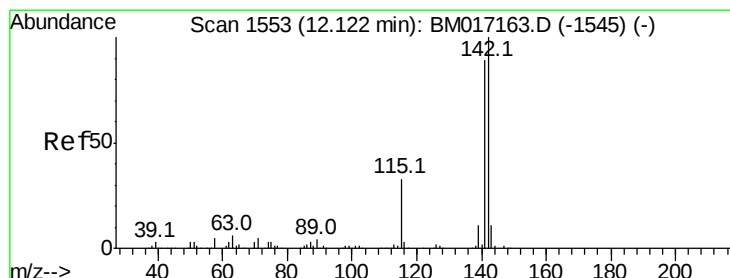
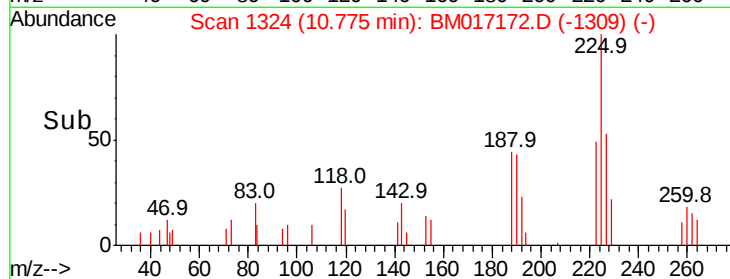
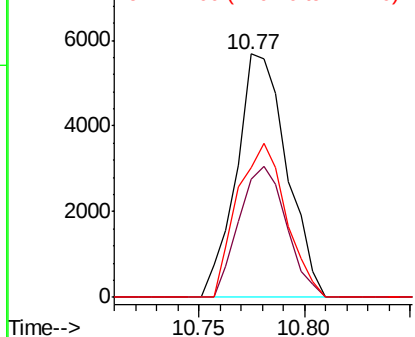
#34
Hexachlorobutadiene
Concen: 1.123 ng
RT: 10.77 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

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

Tot Ion:225 Resp: 9395
Ion Ratio Lower Upper
225 100
223 48.7 51.0 76.6#
227 53.5 50.8 76.2

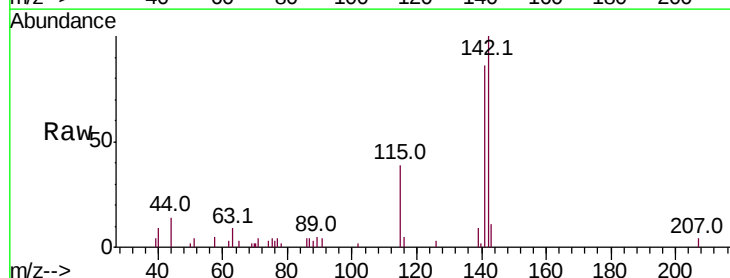


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

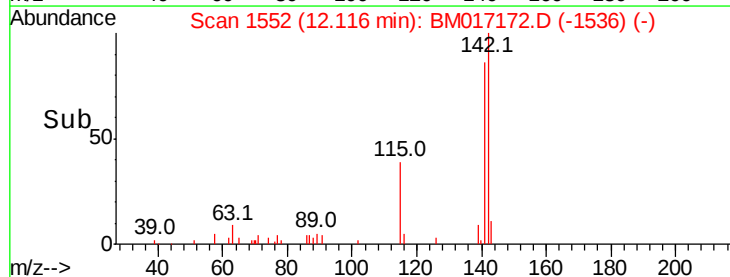
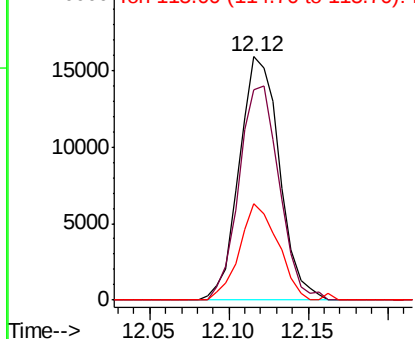


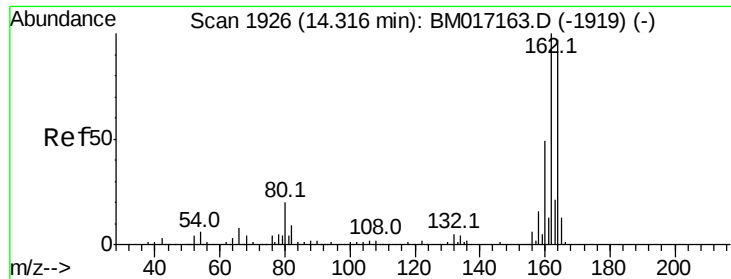
#37
2-Methylnaphthalene
Concen: 1.102 ng
RT: 12.12 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion:142 Resp: 28054
Ion Ratio Lower Upper
142 100
141 86.4 70.9 106.3
115 39.5 26.4 39.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

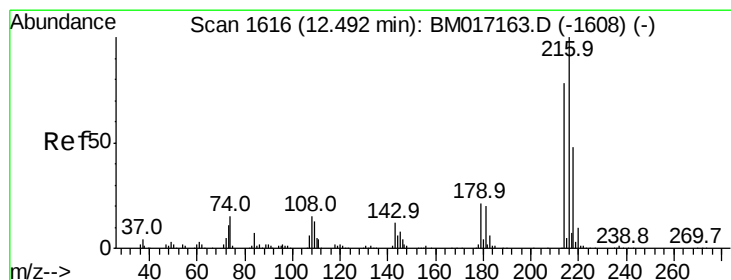
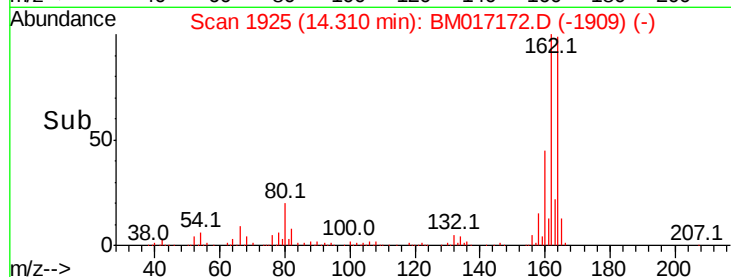
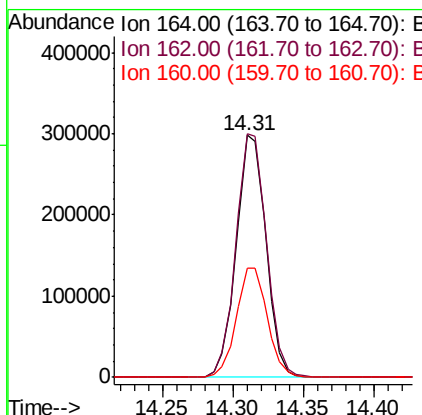
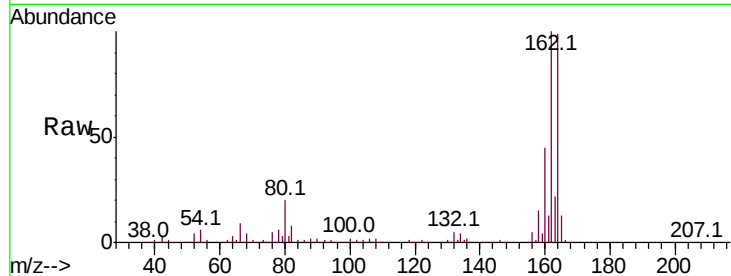




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.31 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

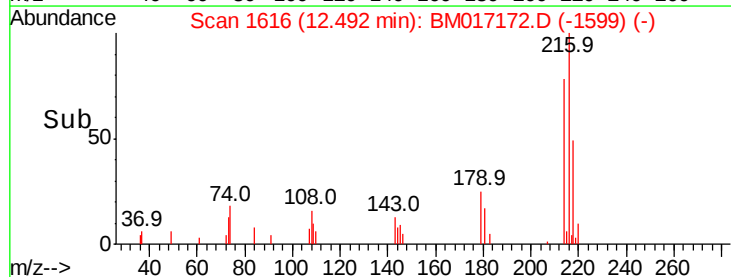
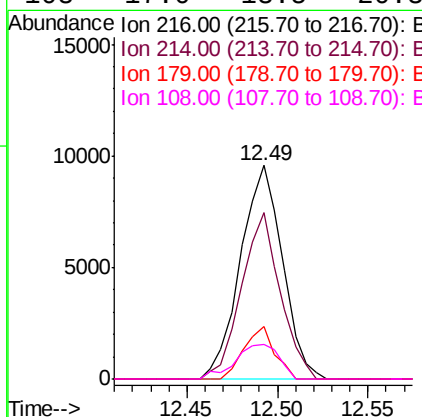
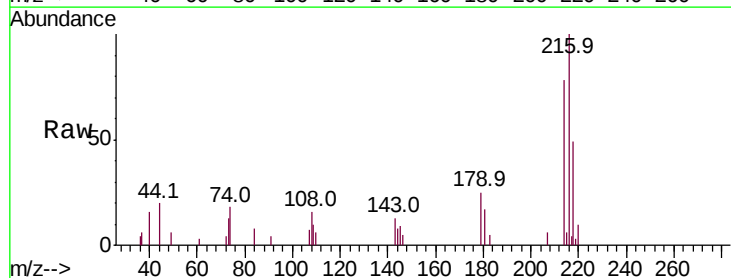
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

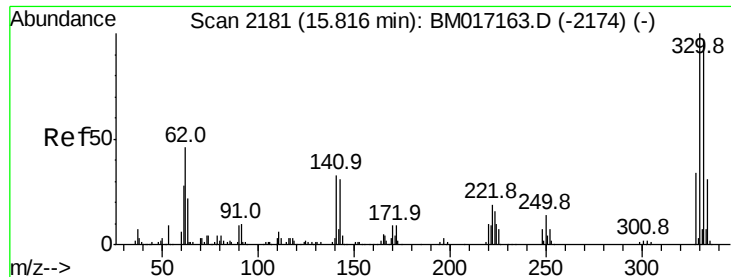
Tot Ion:	164	Resp:	437027
Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.1	123.1
160	44.9	40.2	60.2



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.002 ng
 RT: 12.49 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

Tgt Ion:	216	Resp:	15415
Ion	Ratio	Lower	Upper
216	100		
214	71.9	62.6	93.8
179	17.9	16.6	24.8
108	17.0	13.5	20.3





#42

2,4,6-Tribromophenol

Concen: 144.741 ng

RT: 15.81 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

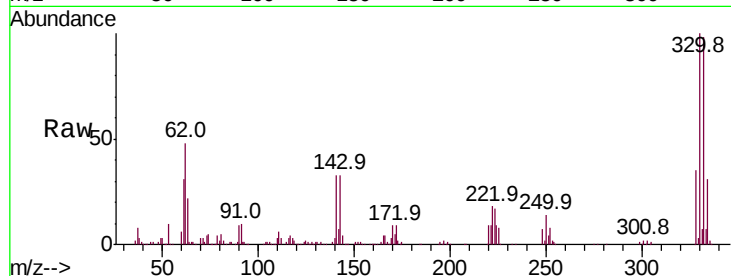
Tot Ion:330 Resp: 855439

Ion Ratio Lower Upper

330 100

332 97.1 77.3 115.9

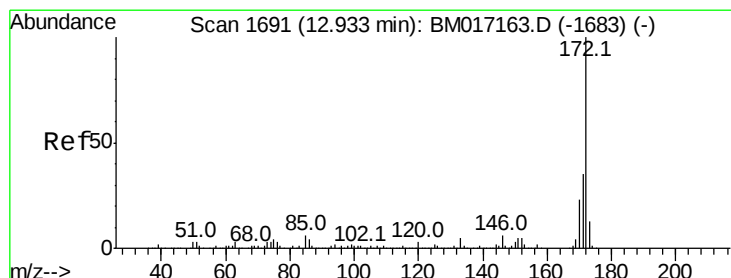
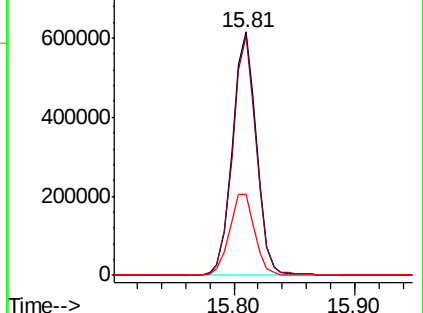
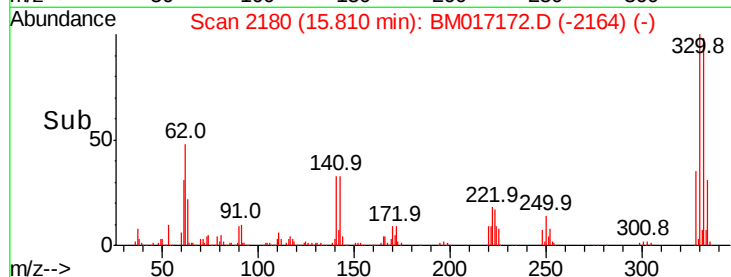
141 35.2 27.4 41.0



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



#45

2-Fluorobiphenyl

Concen: 85.522 ng

RT: 12.93 min Scan# 1690

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

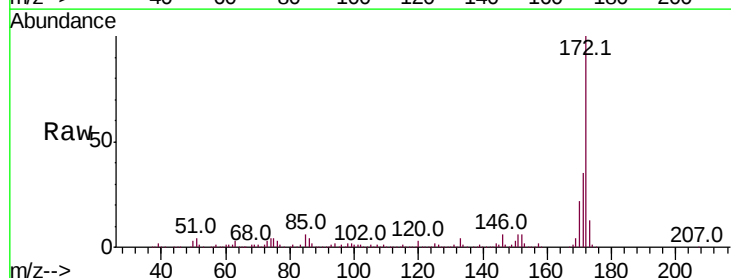
Tgt Ion:172 Resp: 2809024

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

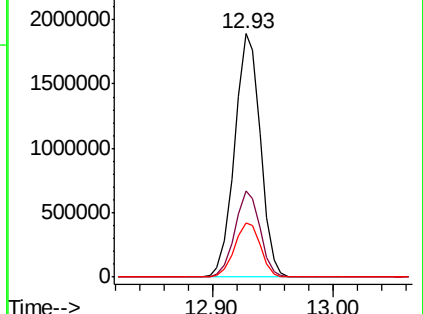
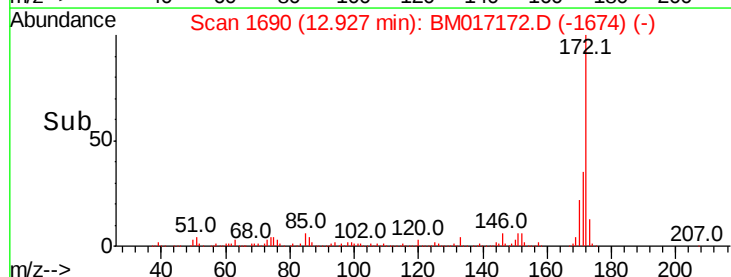
170 22.4 18.3 27.5

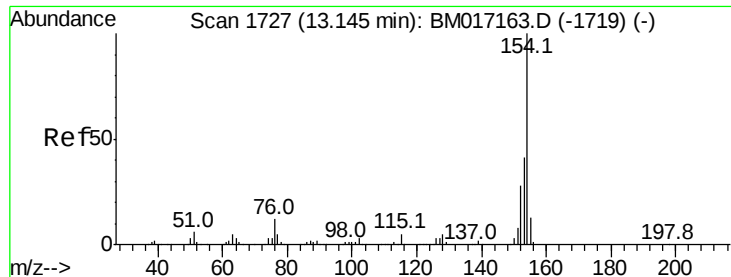


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 1.058 ng

RT: 13.15 min Scan# 1727

Delta R.T. -0.00 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

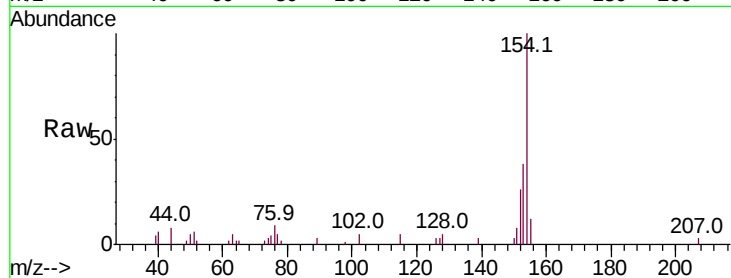
Tot Ion:154 Resp: 41616

Ion Ratio Lower Upper

154 100

153 37.8 20.5 60.5

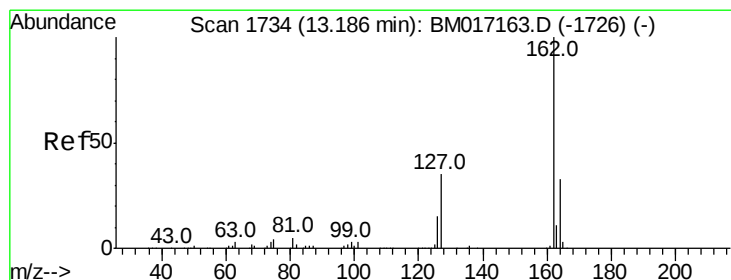
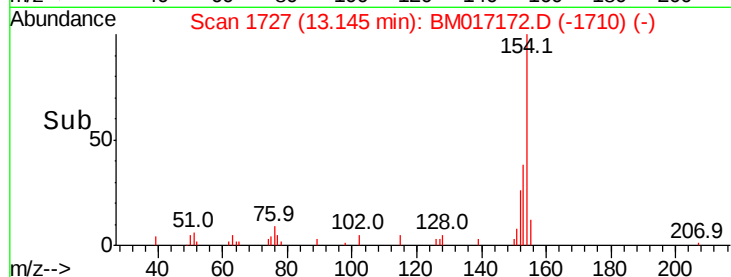
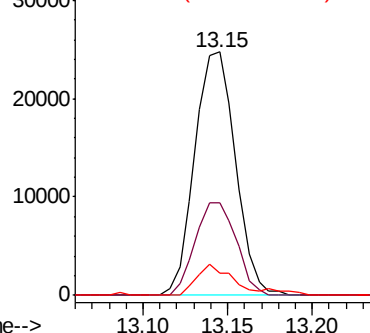
76 8.9 0.0 31.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#47

2-Chloronaphthalene

Concen: 0.965 ng

RT: 13.18 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

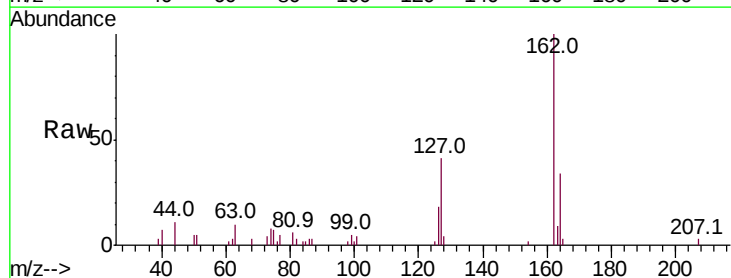
Tgt Ion:162 Resp: 27911

Ion Ratio Lower Upper

162 100

127 41.4 31.0 46.4

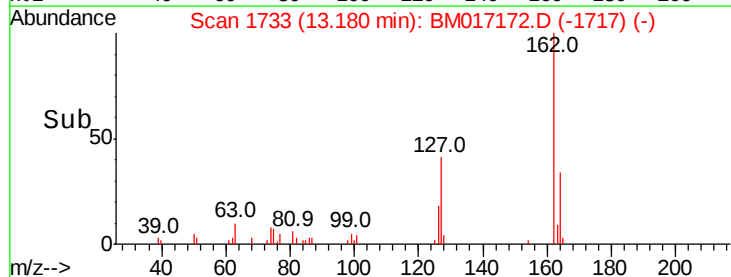
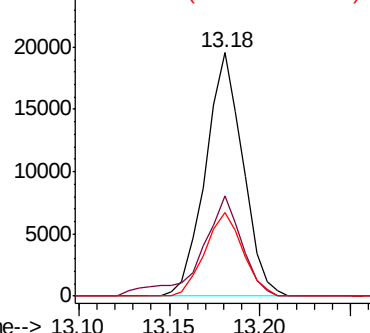
164 34.3 26.6 39.8

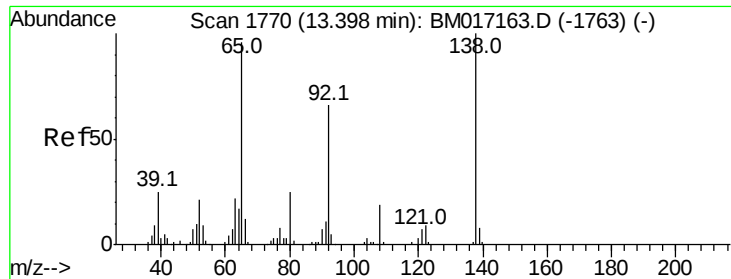


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#48

2-Nitroaniline

Concen: 6.213 ng

RT: 13.40 min Scan# 1771

Delta R.T. 0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

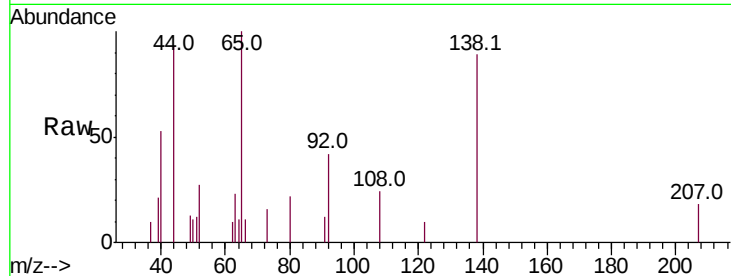
Tot Ion: 65 Resp: 4874

Ion Ratio Lower Upper

65 100

92 41.9 54.9 82.3#

138 88.6 83.7 125.5



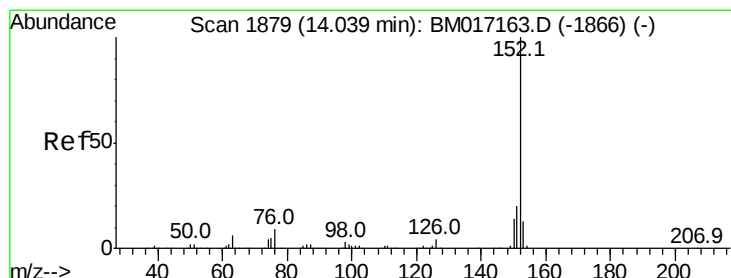
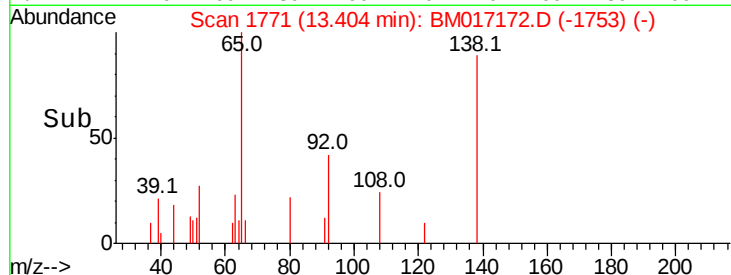
Abundance Ion 65.00 (64.70 to 65.70): BM017163.D (-1763) (-)

Ion 92.00 (91.70 to 92.70): BM017163.D (-1763) (-)

Ion 138.00 (137.70 to 138.70): BM017163.D (-1763) (-)

Time-->

13.35 13.40 13.45



#49

Acenaphthylene

Concen: 0.908 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

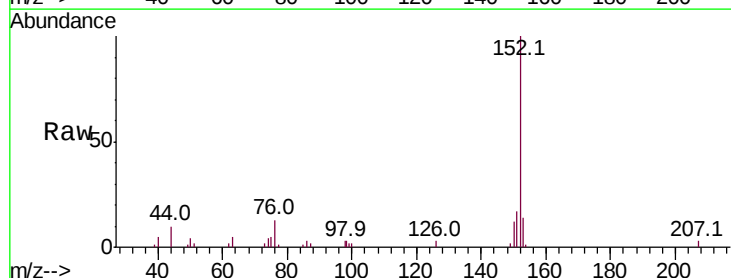
Tgt Ion: 152 Resp: 38069

Ion Ratio Lower Upper

152 100

151 17.5 16.0 24.0

153 13.6 10.4 15.6



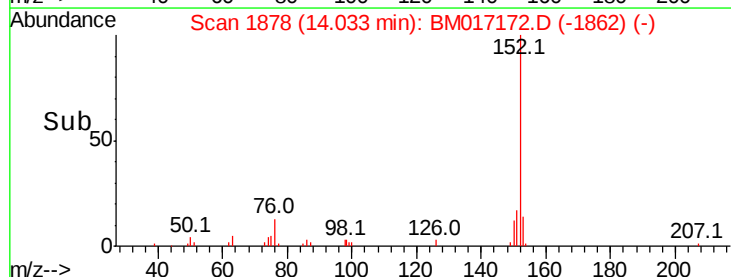
Abundance Ion 152.00 (151.70 to 152.70): BM017163.D (-1866) (-)

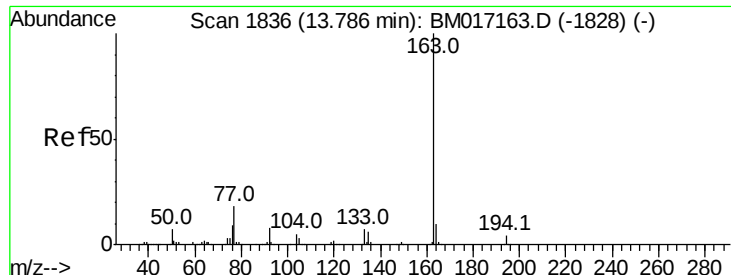
Ion 151.00 (150.70 to 151.70): BM017163.D (-1866) (-)

Ion 153.00 (152.70 to 153.70): BM017163.D (-1866) (-)

Time-->

14.00 14.05 14.10





#50

Dimethylphthalate

Concen: 1.020 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

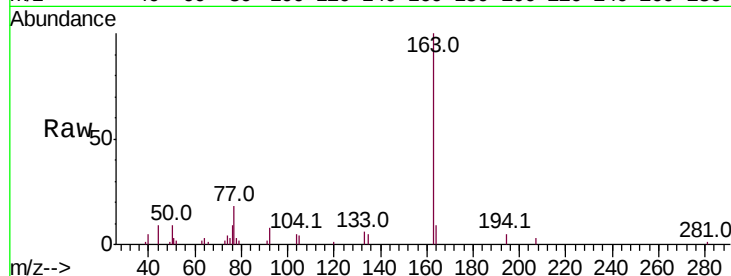
Tot Ion:163 Resp: 34380

Ion Ratio Lower Upper

163 100

194 4.9 3.3 4.9#

164 8.7 7.8 11.8

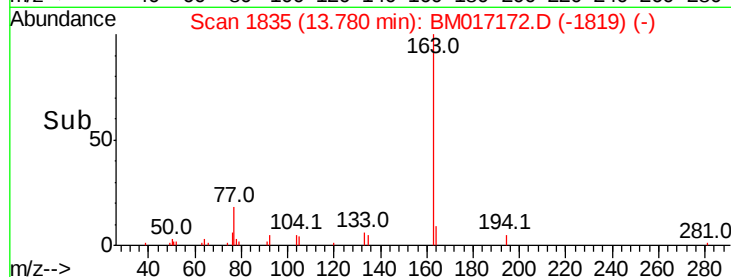


Abundance Ion 163.00 (162.70 to 163.70): E

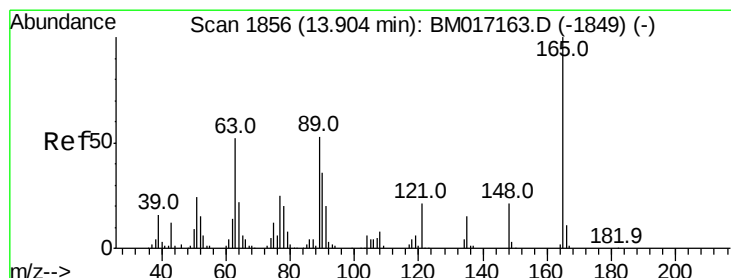
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#51

2,6-Dinitrotoluene

Concen: 0.631 ng

RT: 13.90 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

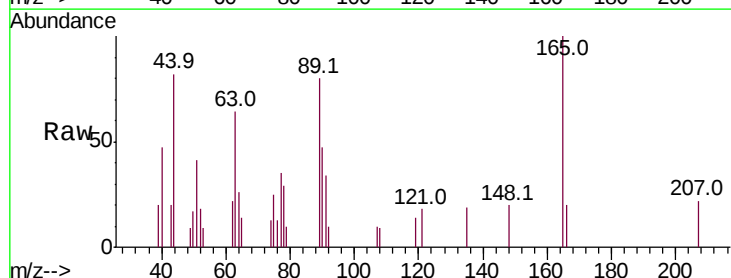
Tgt Ion:165 Resp: 4684

Ion Ratio Lower Upper

165 100

63 63.8 42.7 64.1

89 79.7 42.1 63.1#

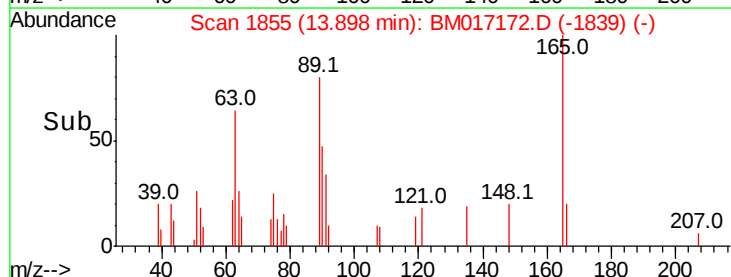


Abundance Ion 165.00 (164.70 to 165.70): E

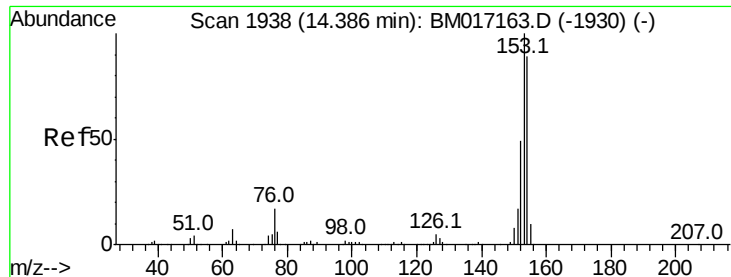
Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Time-->



Time-->



#52

Acenaphthene

Concen: 1.029 ng

RT: 14.37 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

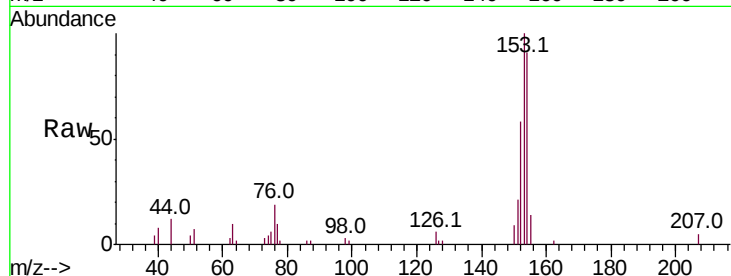
Tot Ion:154 Resp: 27082

Ion Ratio Lower Upper

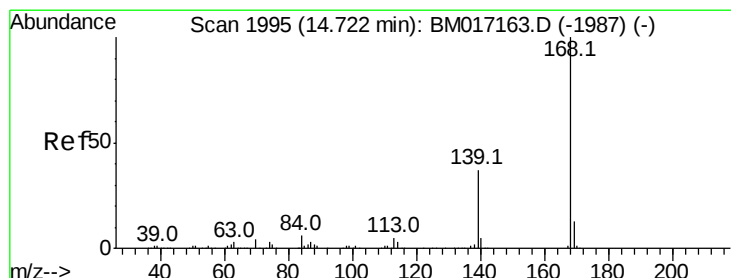
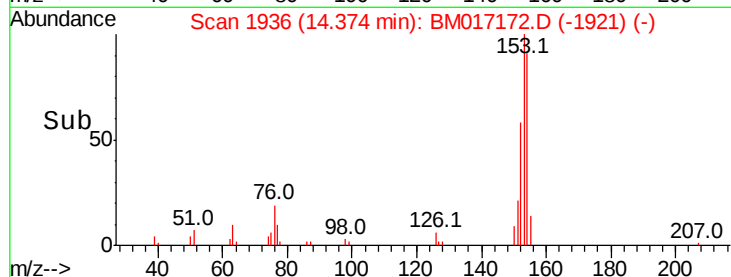
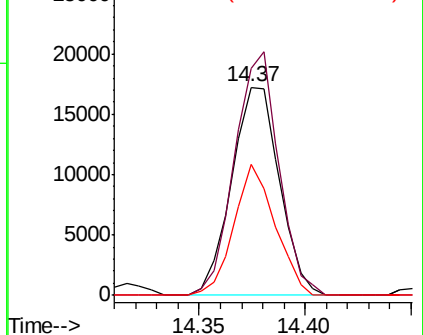
154 100

153 109.5 90.2 135.2

152 63.0 44.2 66.4



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



#55

Dibenzofuran

Concen: 0.978 ng

RT: 14.72 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

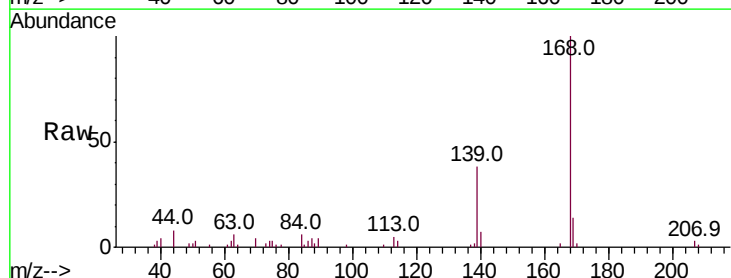
Tgt Ion:168 Resp: 42821

Ion Ratio Lower Upper

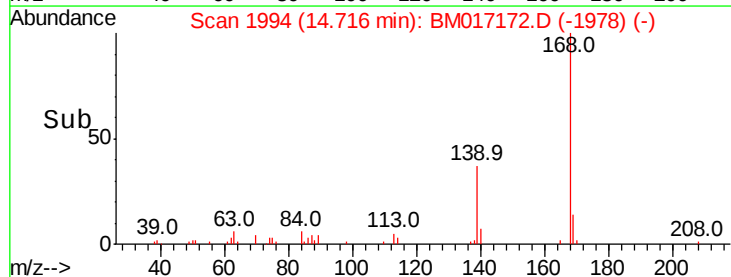
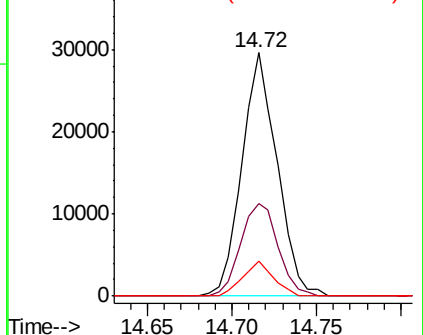
168 100

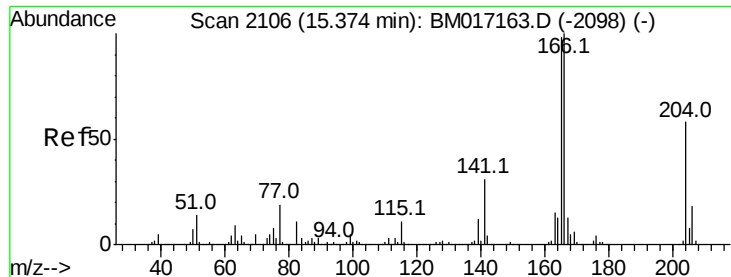
139 38.0 29.3 43.9

169 14.2 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

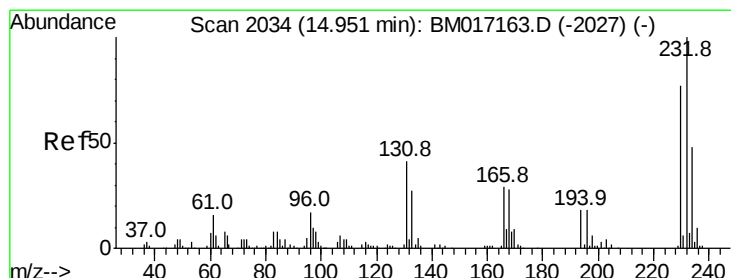
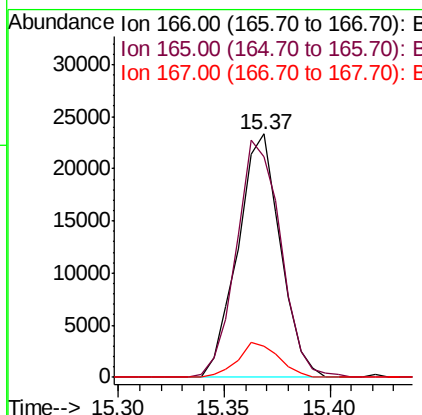
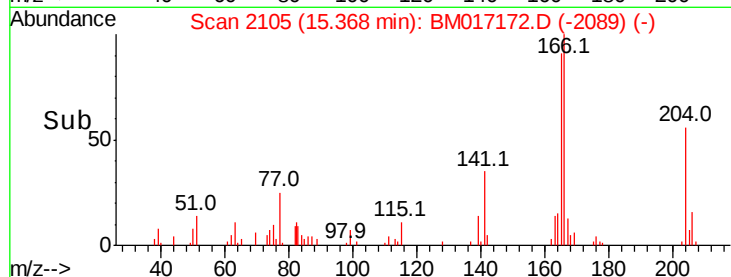
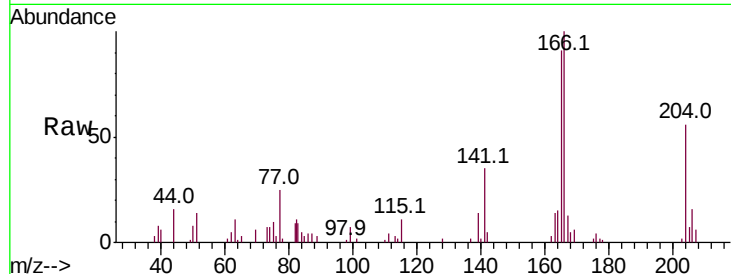




#58
Fluorene
Concen: 1.008 ng
RT: 15.37 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

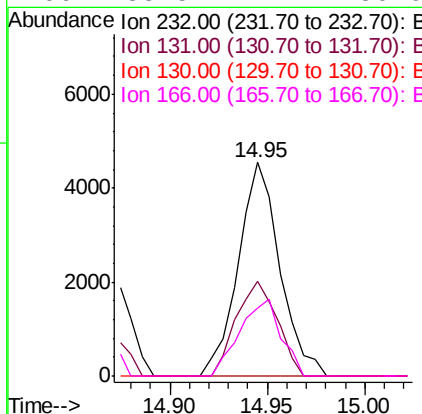
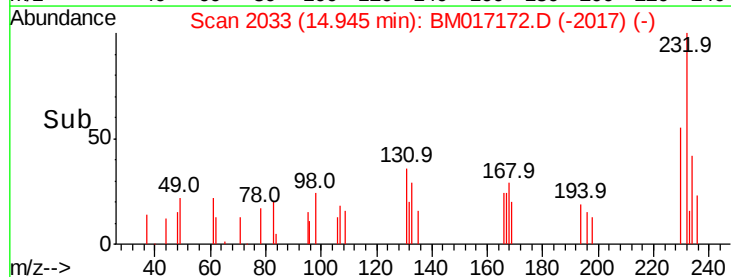
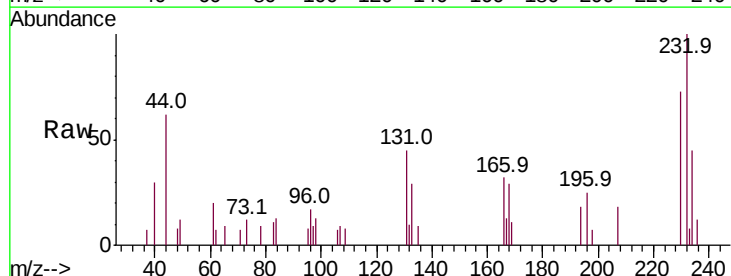
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

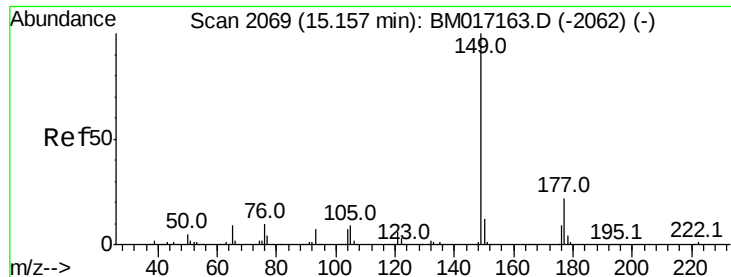
Tot Ion:166 Resp: 32669
Ion Ratio Lower Upper
166 100
165 90.8 78.1 117.1
167 12.6 10.6 16.0



#59
2,3,4,6-Tetrachlorophenol
Concen: 0.769 ng
RT: 14.95 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion:232 Resp: 6713
Ion Ratio Lower Upper
232 100
131 43.8 33.1 49.7
130 0.0 1.7 2.5#
166 35.5 24.4 36.6

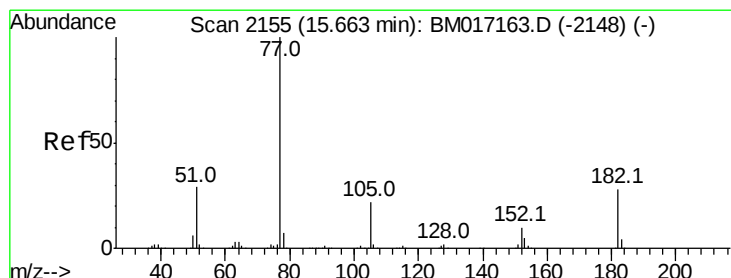
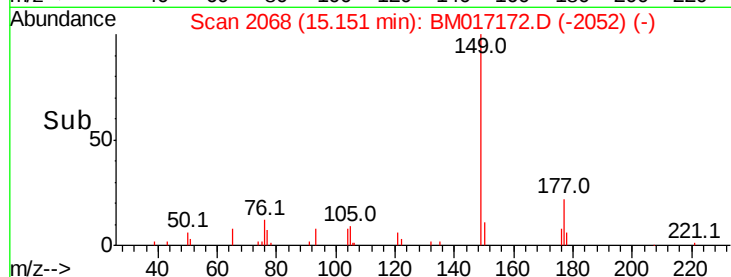
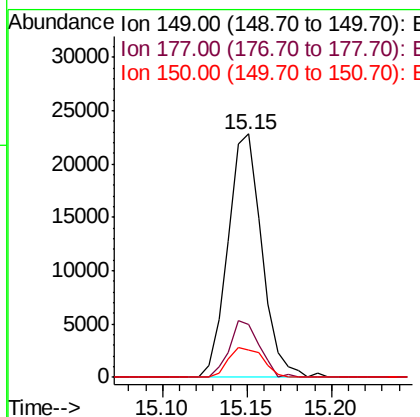
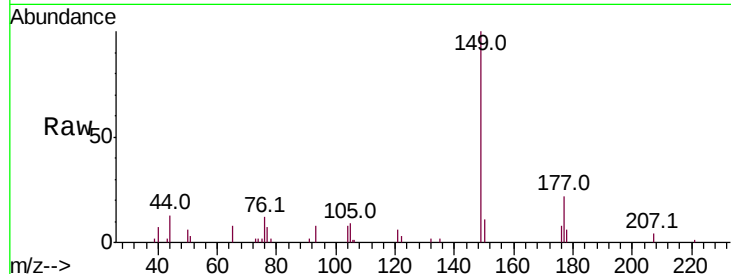




#60
Diethylphthalate
Concen: 0.953 ng
RT: 15.15 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

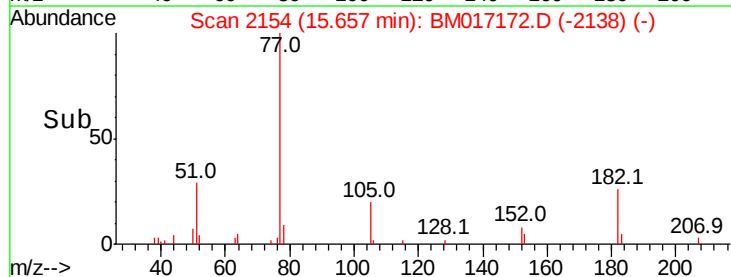
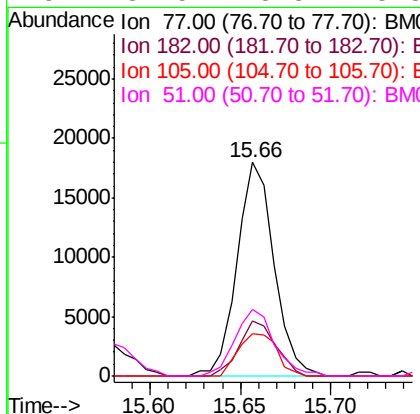
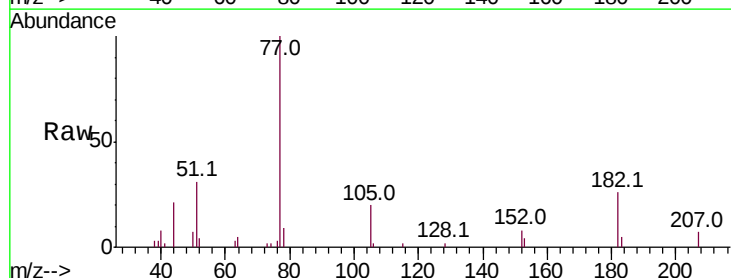
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

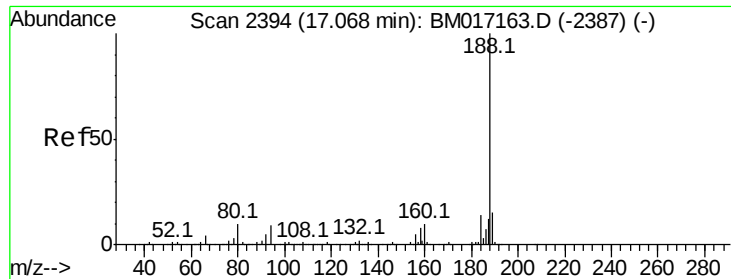
Tot Ion:149 Resp: 31861
Ion Ratio Lower Upper
149 100
177 21.6 17.7 26.5
150 11.1 10.0 15.0



#63
Azobenzene
Concen: 0.784 ng
RT: 15.66 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion: 77 Resp: 25488
Ion Ratio Lower Upper
77 100
182 25.7 8.3 48.3
105 19.6 1.5 41.5
51 31.5 8.8 48.8

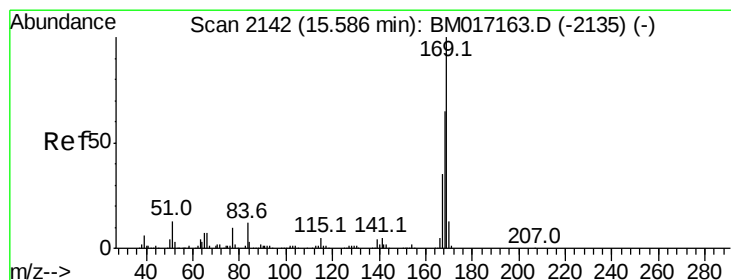
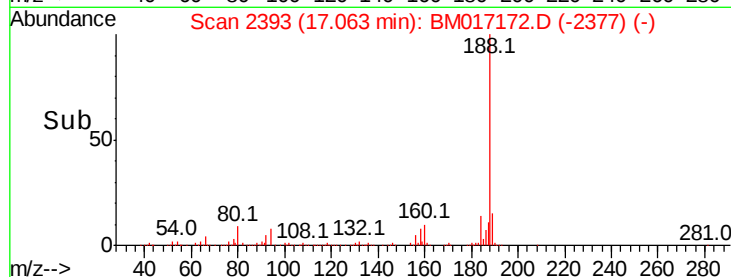
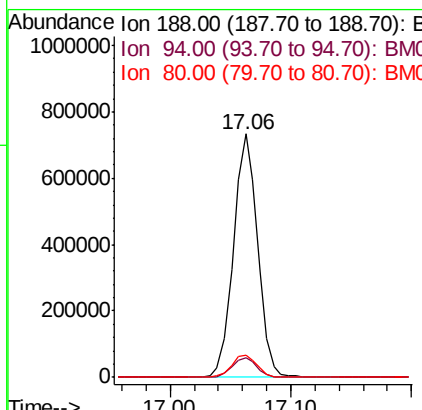
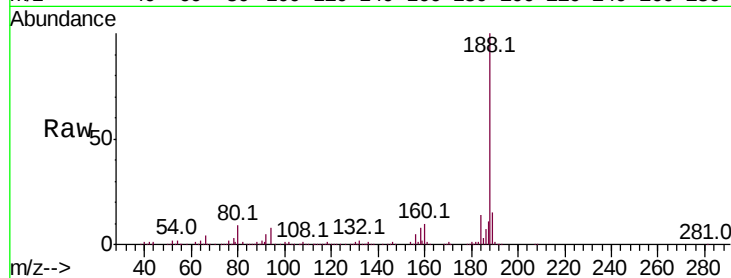




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

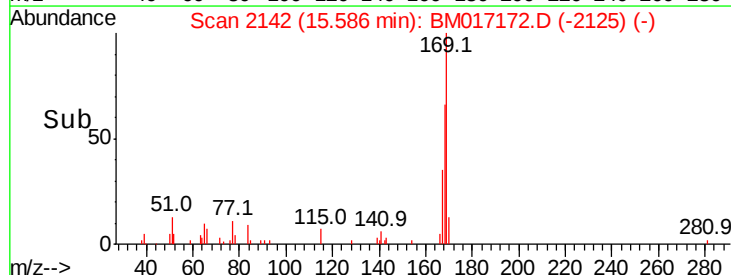
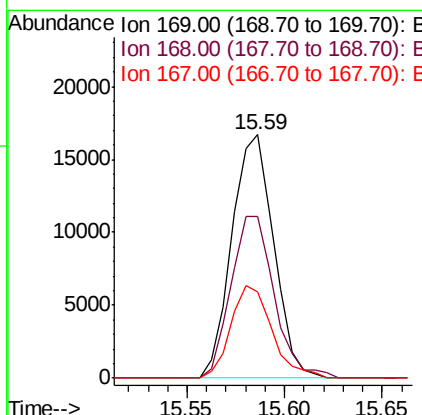
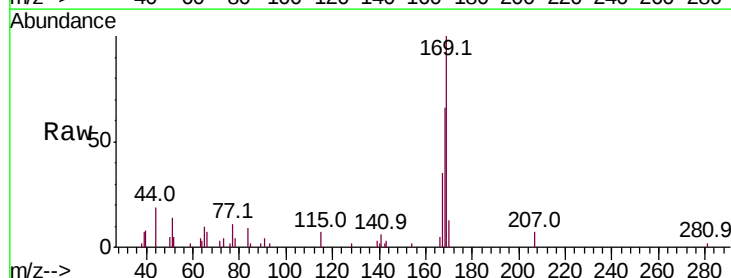
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

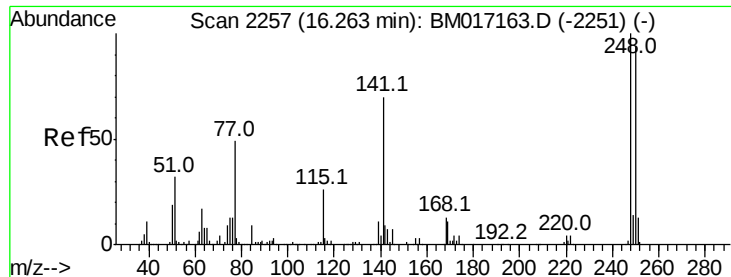
Tot Ion:188 Resp: 1021786
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 9.3 7.7 11.5



#66
n-Nitrosodiphenylamine
Concen: 0.803 ng
RT: 15.59 min Scan# 2142
Delta R.T. -0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion:169 Resp: 24826
Ion Ratio Lower Upper
169 100
168 66.4 52.2 78.4
167 35.5 28.4 42.6

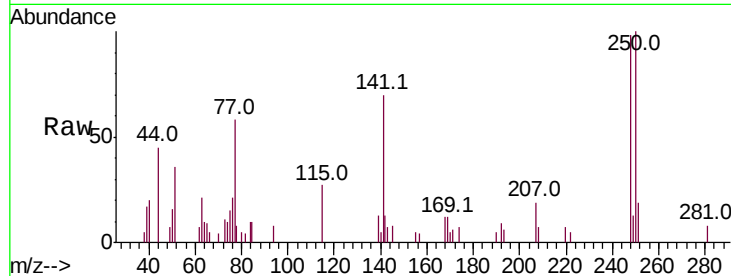




#67
 4-Bromophenyl-phenylether
 Concen: 0.978 ng
 RT: 16.26 min Scan# 2257
 Delta R.T. -0.00 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

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

Tot Ion	Ratio	Lower	Upper
248	100		
250	101.7	75.1	112.7
141	71.3	55.6	83.4

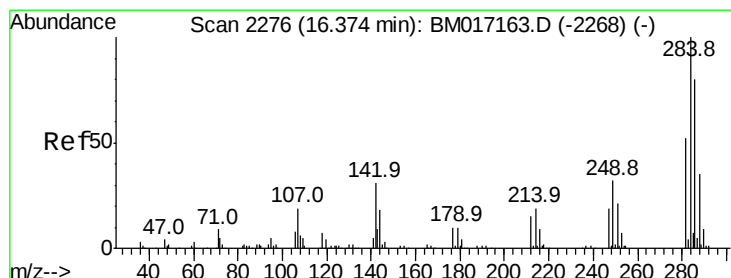
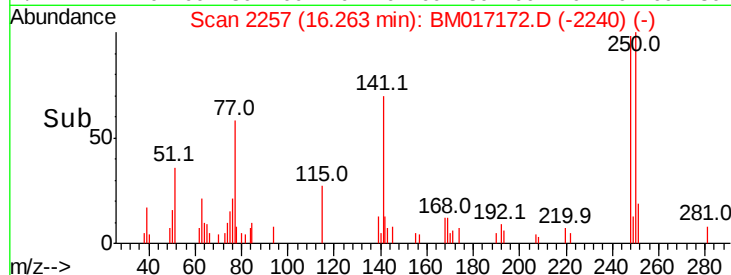
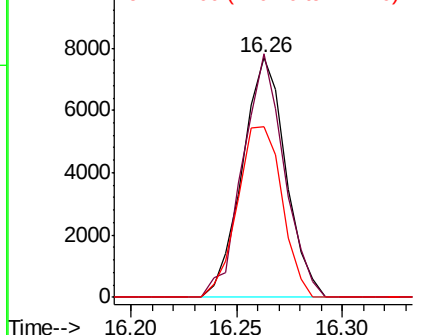


Abundance

Ion 248.00 (247.70 to 248.70): E

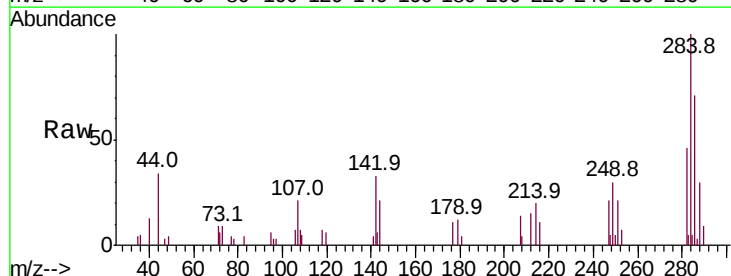
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 0.948 ng
 RT: 16.37 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.4	25.0	37.6
249	30.1	25.5	38.3

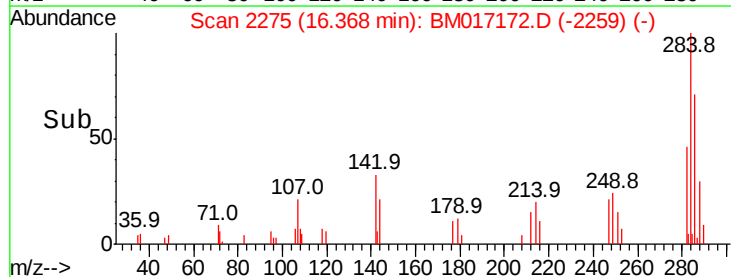
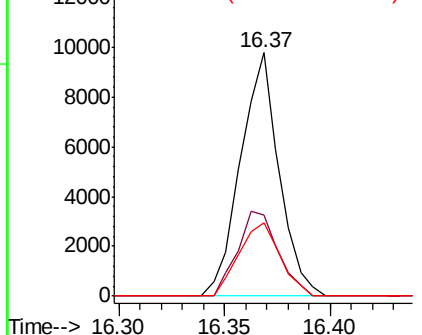


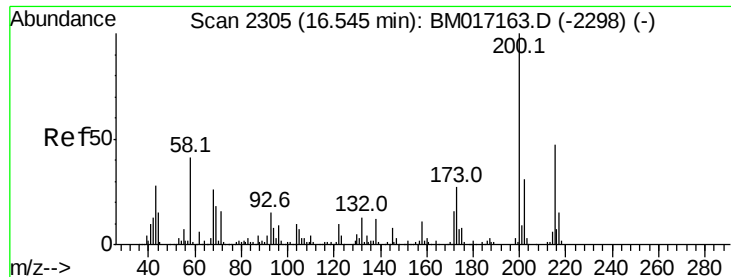
Abundance

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

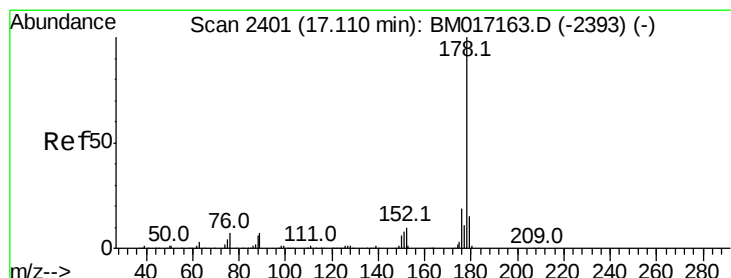
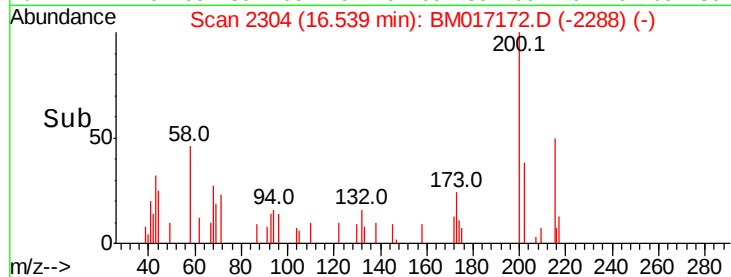
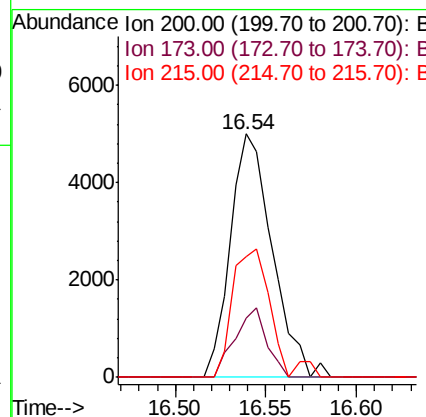
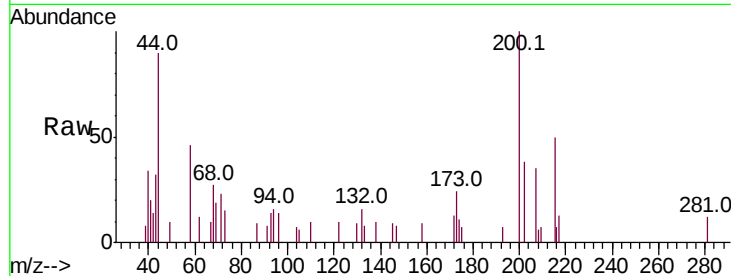




#69
Atrazine
Concen: 0.728 ng
RT: 16.54 min Scan# 2304
Delta R.T. -0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

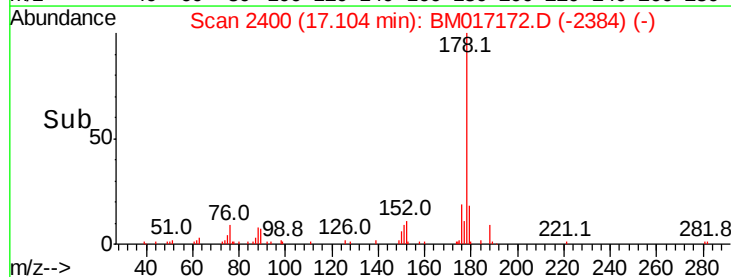
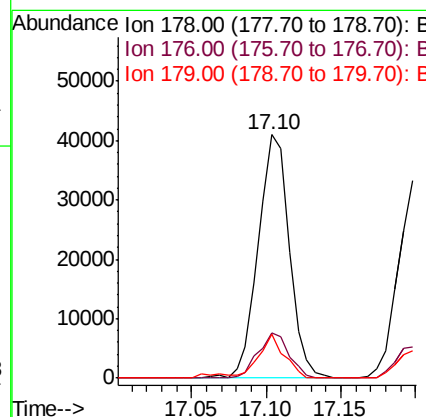
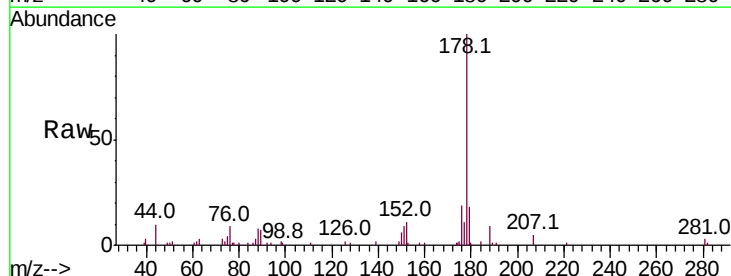
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

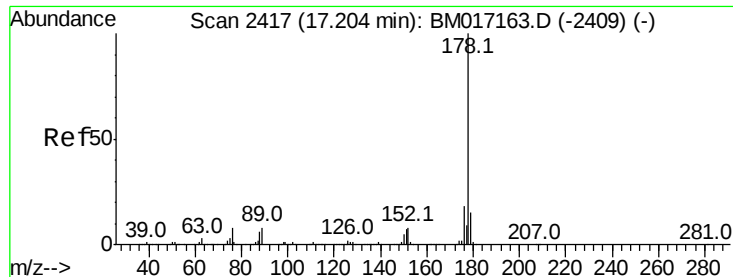
Tot Ion:200 Resp: 8051
Ion Ratio Lower Upper
200 100
173 24.1 7.0 47.0
215 49.8 27.3 67.3



#71
Phenanthrene
Concen: 1.067 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion:178 Resp: 58837
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 18.0 12.3 18.5





#72

Anthracene

Concen: 0.975 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

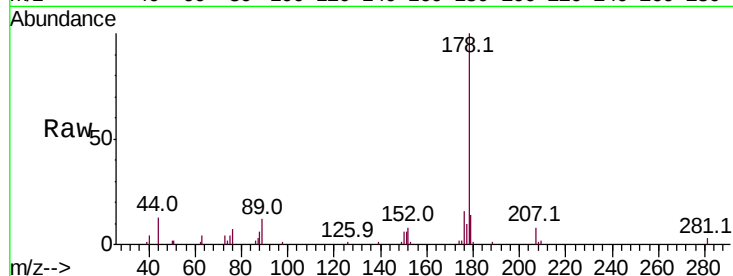
Tot Ion:178 Resp: 51079

Ion Ratio Lower Upper

178 100

176 15.9 14.5 21.7

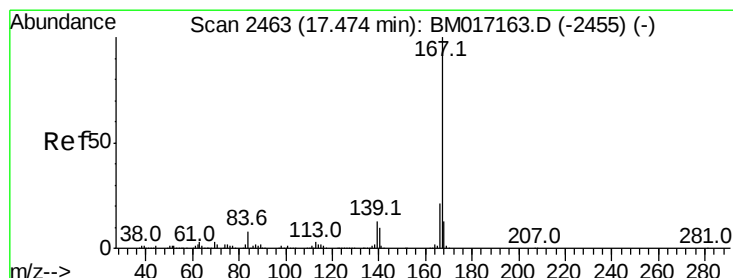
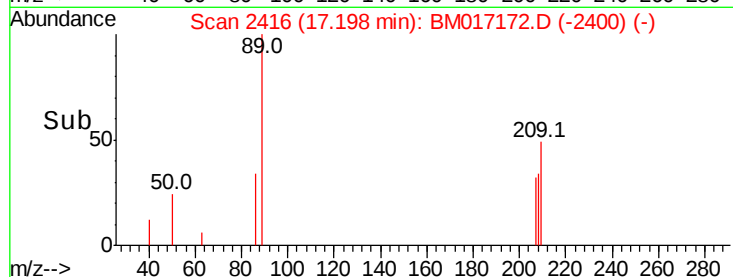
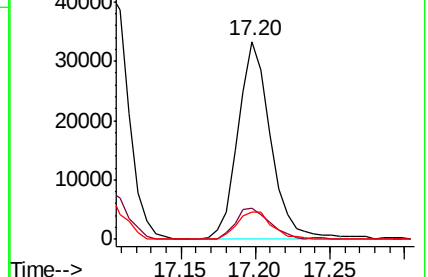
179 13.6 12.2 18.2



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



#73

Carbazole

Concen: 0.769 ng

RT: 17.47 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

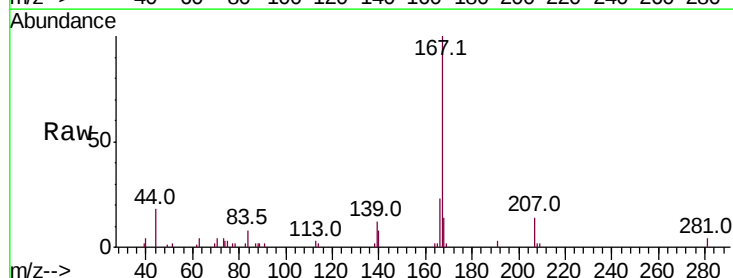
Tgt Ion:167 Resp: 41156

Ion Ratio Lower Upper

167 100

166 23.0 17.1 25.7

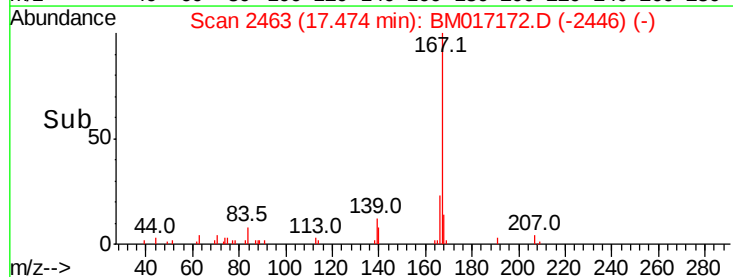
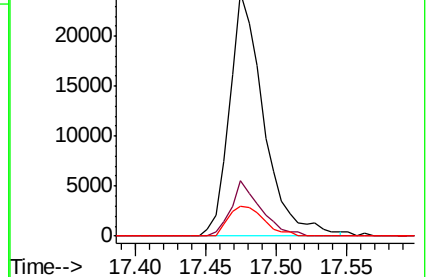
139 12.2 10.1 15.1

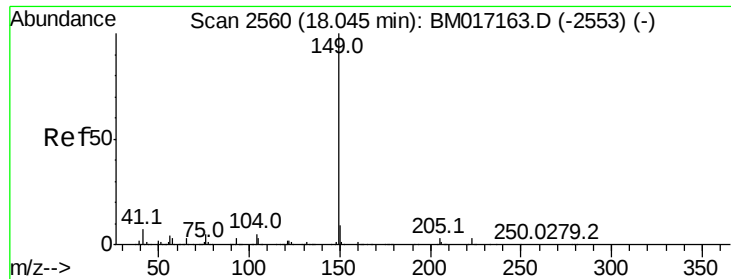


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

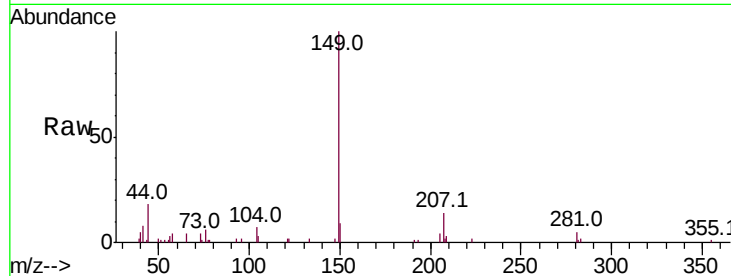




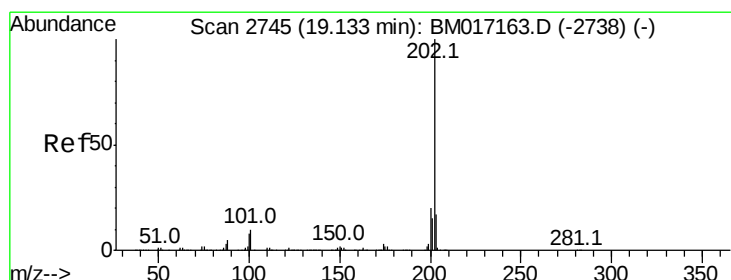
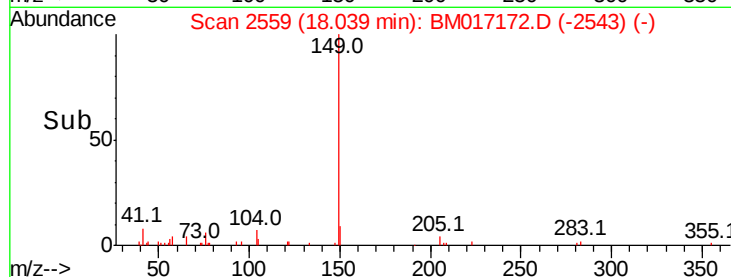
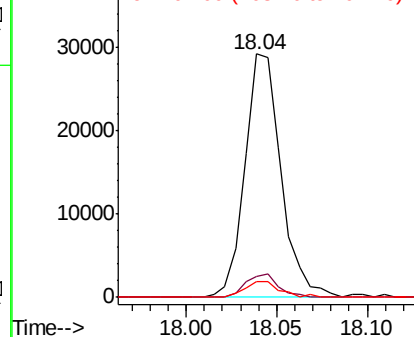
#74
Di-n-butylphthalate
Concen: 0.714 ng
RT: 18.04 min Scan# 2559
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

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

Tot Ion:149 Resp: 40294
Ion Ratio Lower Upper
149 100
150 8.8 7.4 11.0
104 6.6 4.3 6.5#

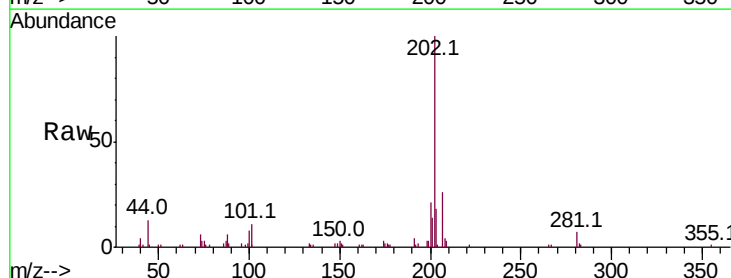


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

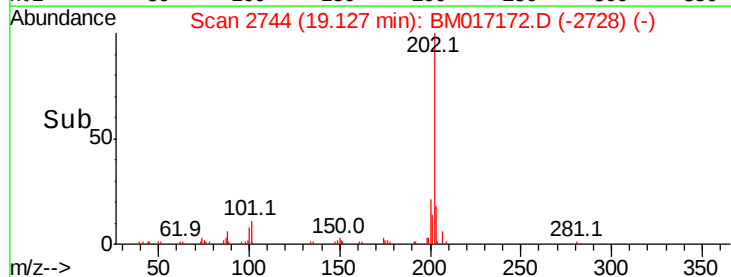
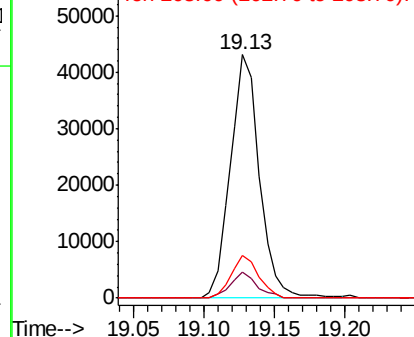


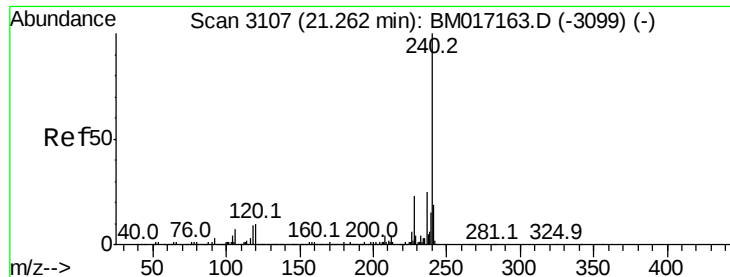
#75
Fluoranthene
Concen: 0.998 ng
RT: 19.13 min Scan# 2744
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion:202 Resp: 61936
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.0
203 17.5 0.0 37.2



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

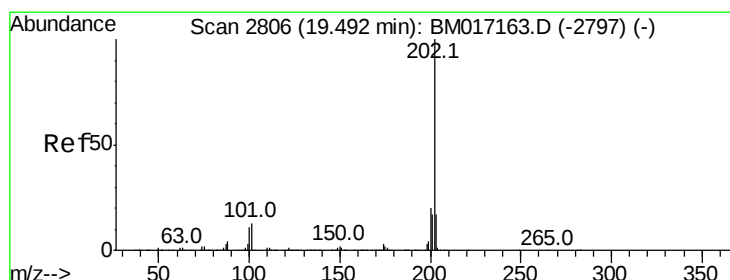
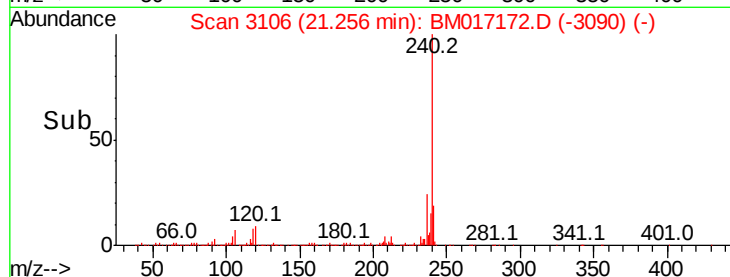
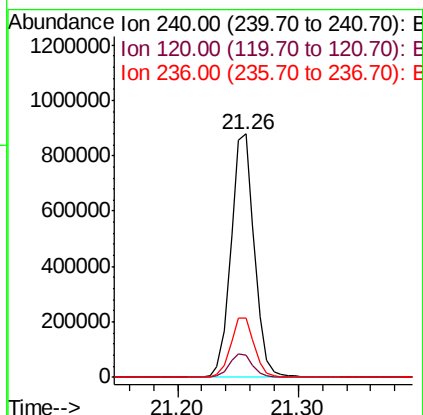
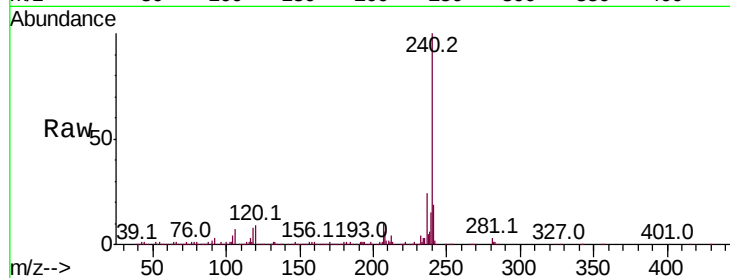




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.26 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

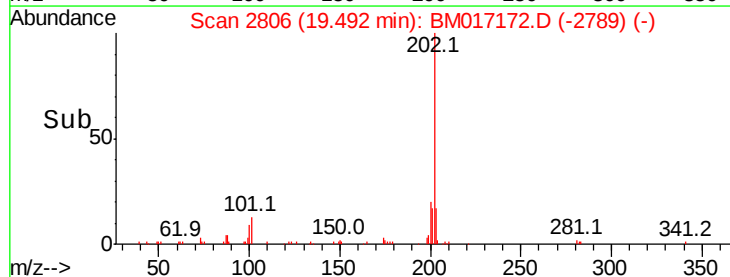
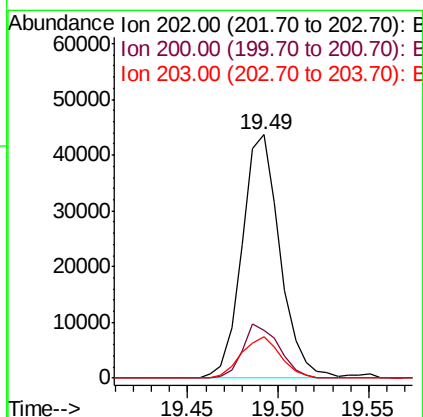
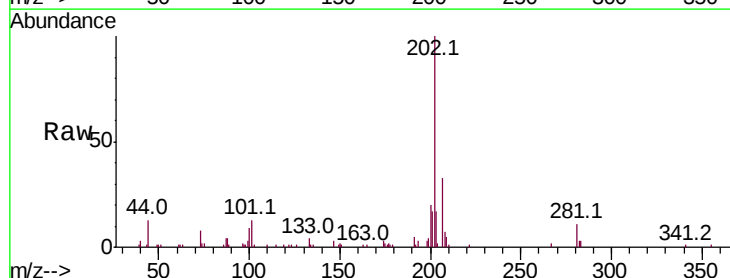
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

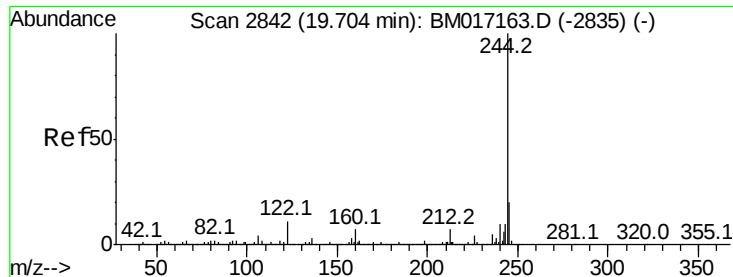
Tot Ion:240 Resp: 1178991
Ion Ratio Lower Upper
240 100
120 9.1 8.1 12.1
236 24.4 19.9 29.9



#78
Pyrene
Concen: 0.963 ng
RT: 19.49 min Scan# 2806
Delta R.T. -0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion:202 Resp: 63438
Ion Ratio Lower Upper
202 100
200 19.8 16.3 24.5
203 17.0 13.9 20.9



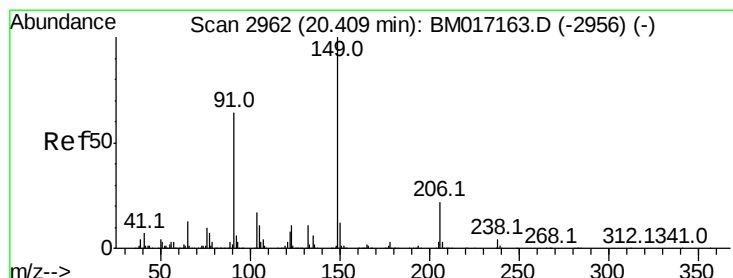
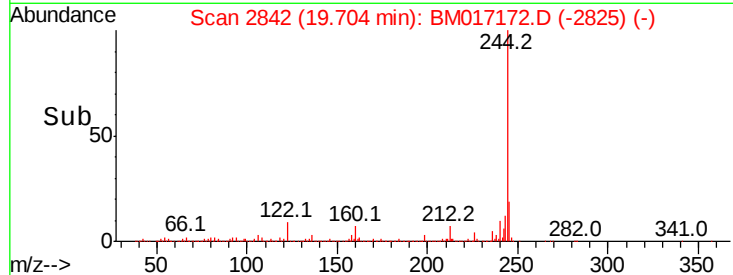
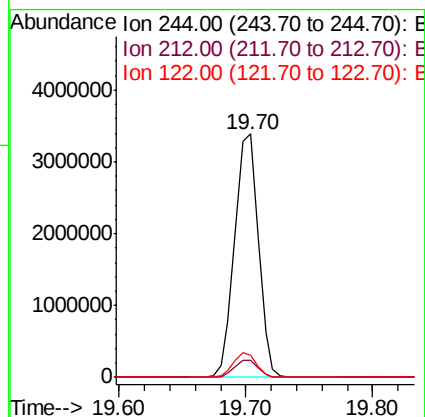
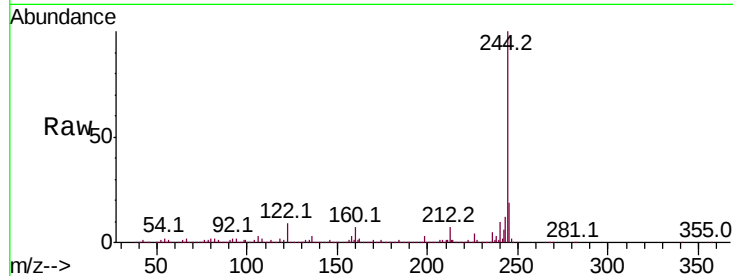


#79
 Terphenyl-d14
 Concen: 83.750 ng
 RT: 19.70 min Scan# 2842
 Delta R.T. -0.00 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

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

Tot Ion:244 Resp: 4380660

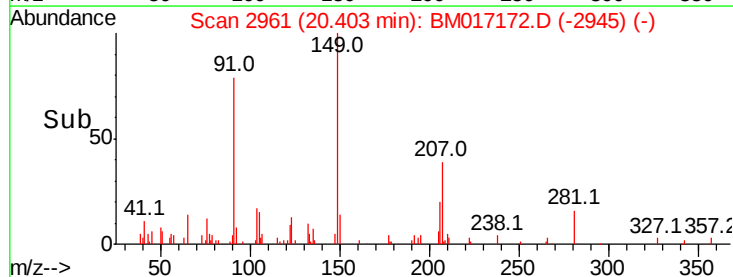
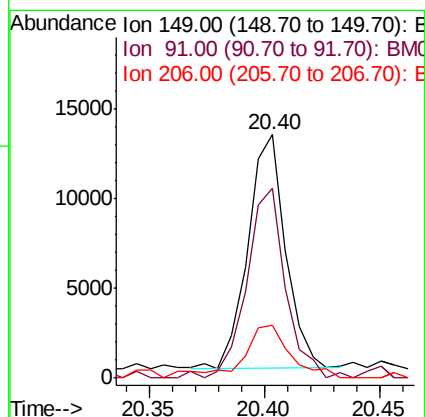
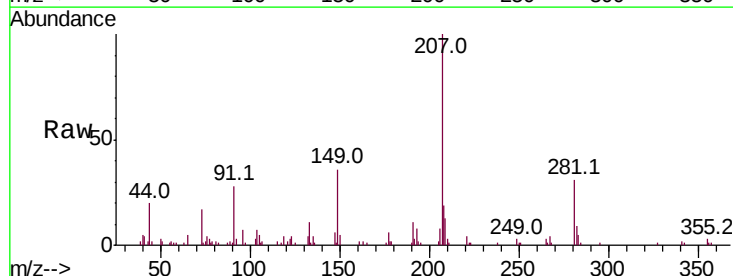
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.5	8.3
122	9.2	8.4	12.6

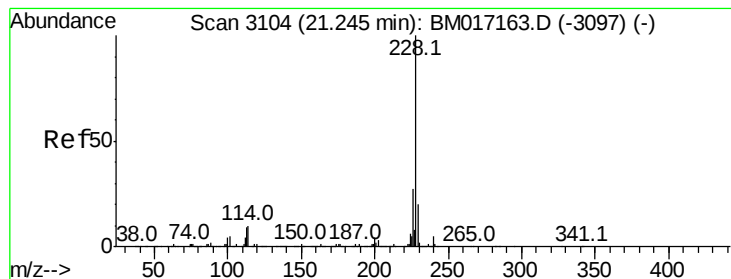


#80
 Butylbenzylphthalate
 Concen: 7.678 ng
 RT: 20.40 min Scan# 2961
 Delta R.T. -0.01 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

Tgt Ion:149 Resp: 14798

Ion	Ratio	Lower	Upper
149	100		
91	77.9	51.3	76.9#
206	21.5	18.0	27.0





#81

Benzo(a)anthracene

Concen: 1.044 ng

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

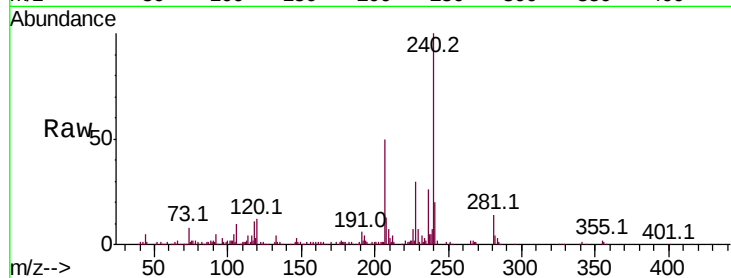
Tot Ion:228 Resp: 69260

Ion Ratio Lower Upper

228 100

226 24.9 21.4 32.0

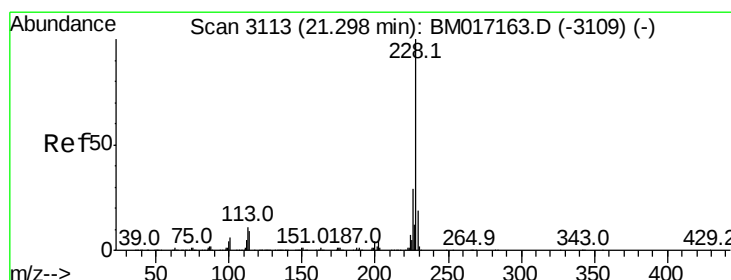
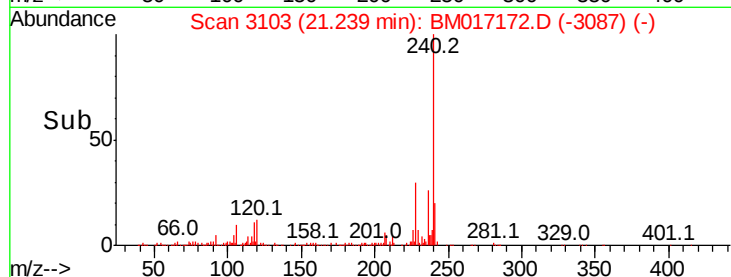
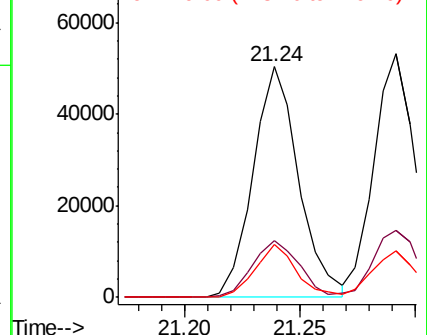
229 22.8 15.9 23.9



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



#83

Chrysene

Concen: 1.026 ng

RT: 21.29 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

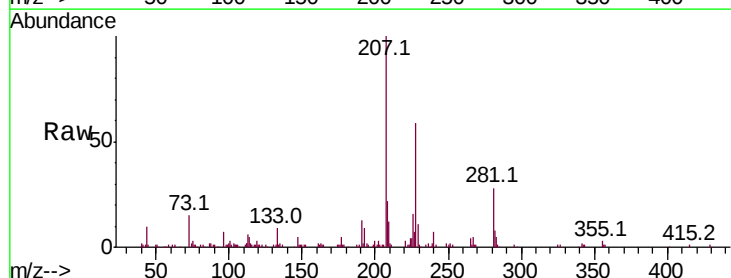
Tgt Ion:228 Resp: 67399

Ion Ratio Lower Upper

228 100

226 27.5 23.3 34.9

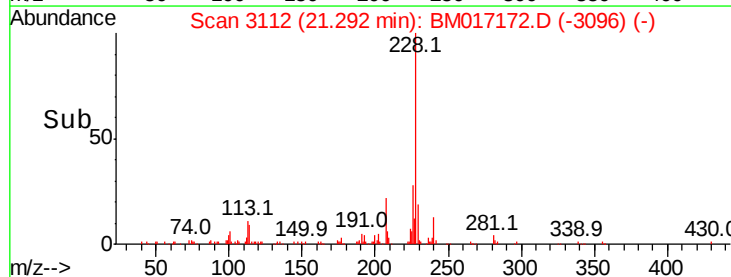
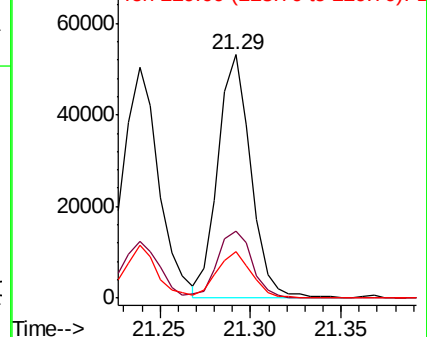
229 19.2 15.6 23.4

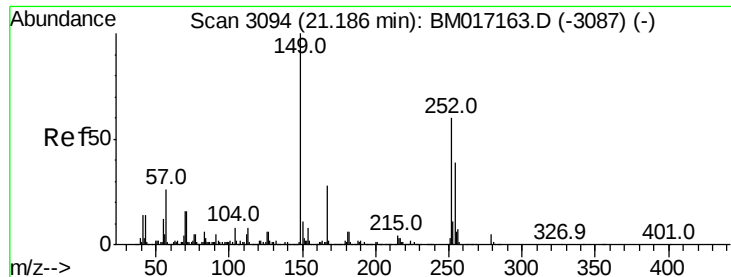


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.895 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

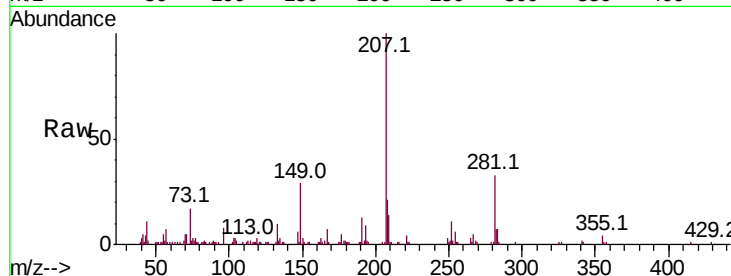
Tot Ion:149 Resp: 25306

Ion Ratio Lower Upper

149 100

167 25.6 22.2 33.4

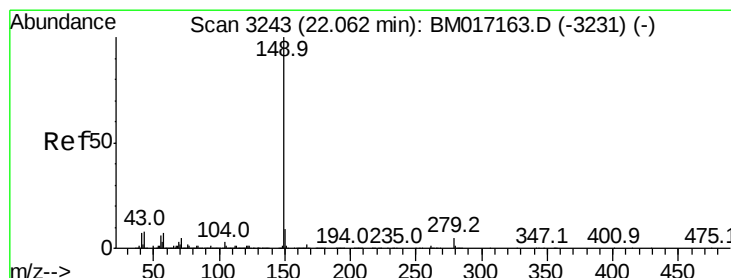
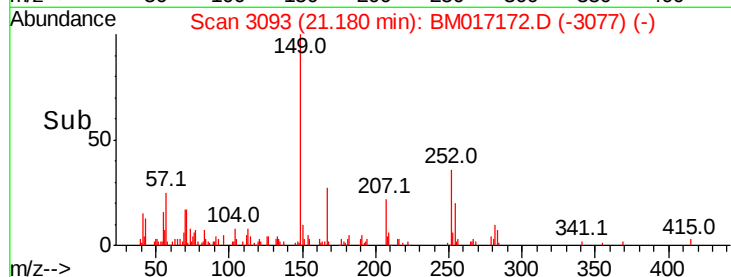
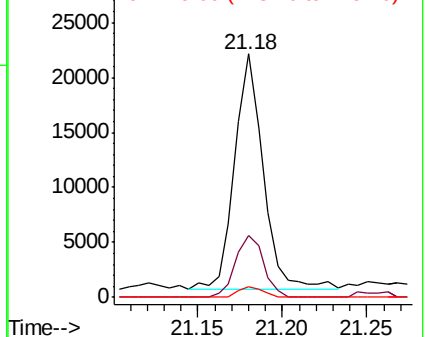
279 4.3 3.6 5.4



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



#85

Di-n-octyl phthalate

Concen: 6.132 ng

RT: 22.06 min Scan# 3242

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

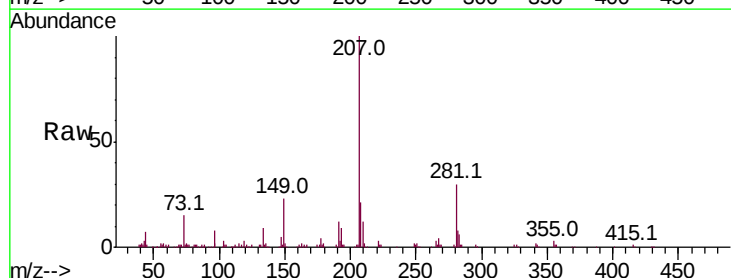
Tgt Ion:149 Resp: 41205

Ion Ratio Lower Upper

149 100

167 2.9 1.4 2.0#

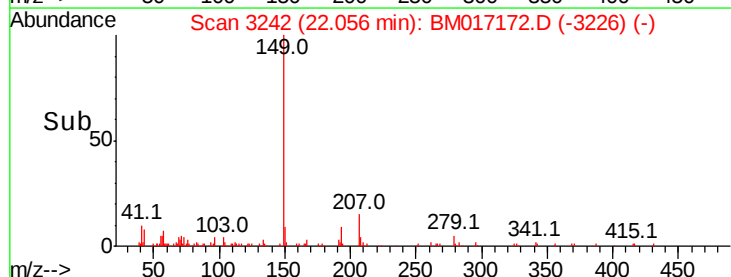
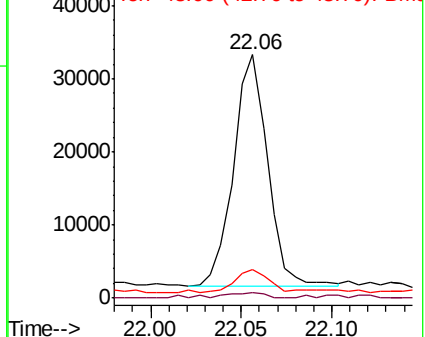
43 10.2 7.2 10.8

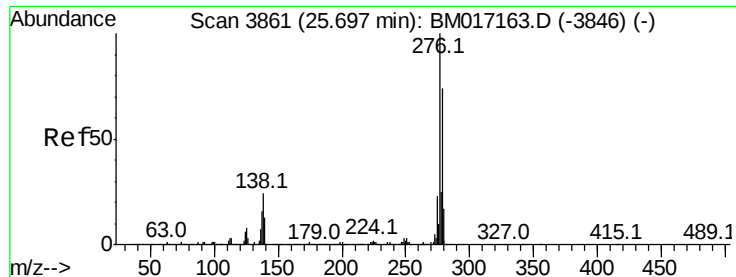


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.992 ng

RT: 25.69 min Scan# 3859

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

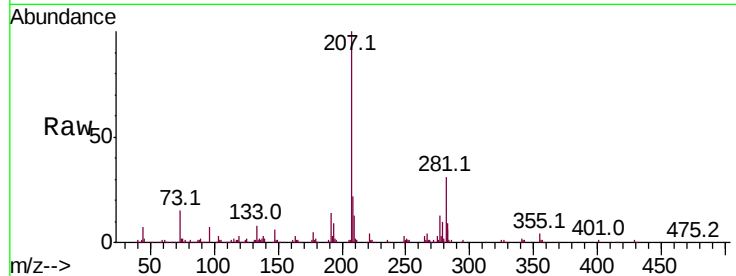
Tot Ion:276 Resp: 72878

Ion Ratio Lower Upper

276 100

138 23.3 19.5 29.3

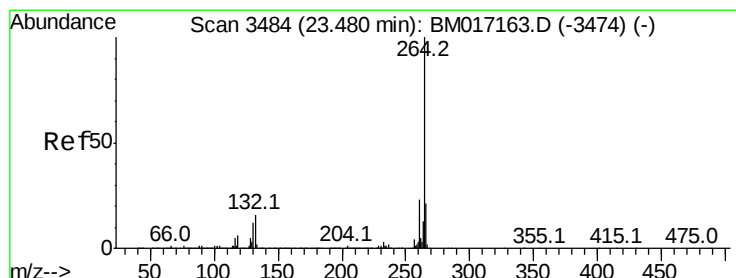
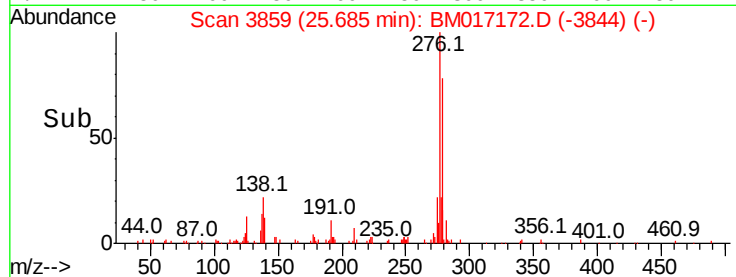
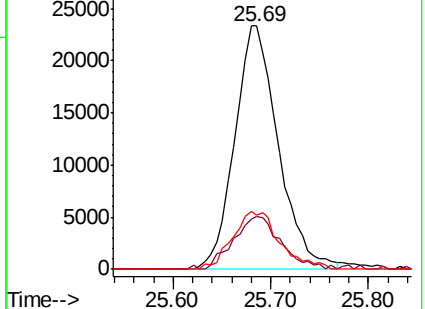
277 25.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.47 min Scan# 3482

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

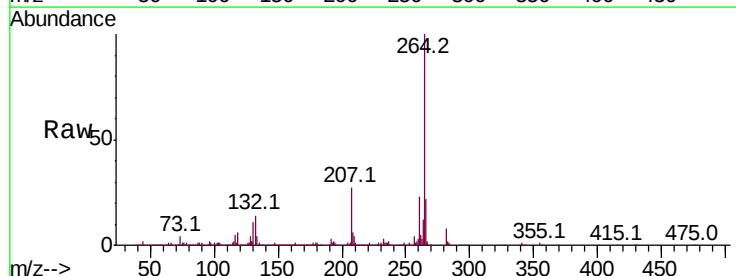
Tgt Ion:264 Resp: 1176124

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

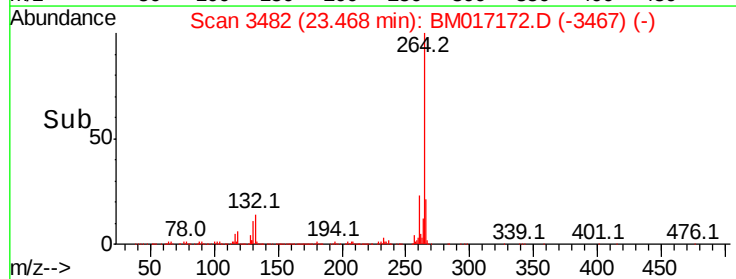
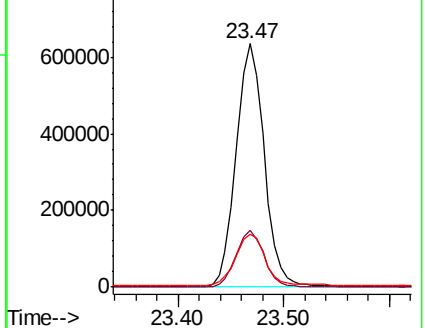
265 22.0 17.8 26.8

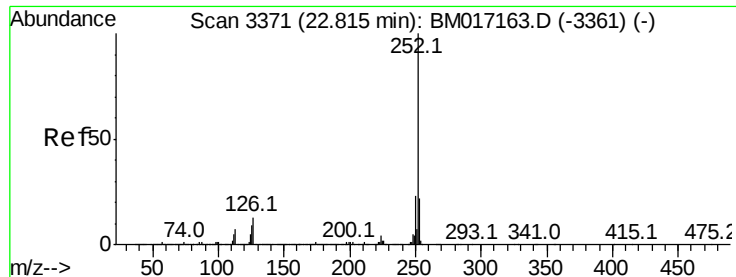


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 1.021 ng

RT: 22.81 min Scan# 3370

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

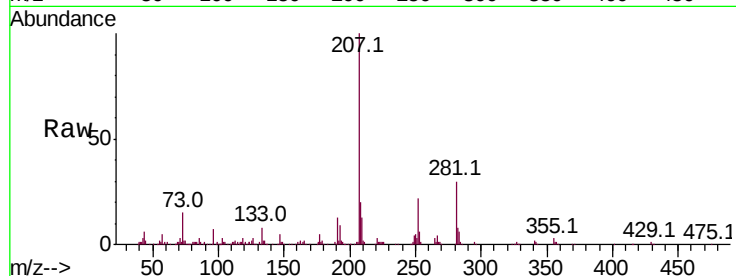
Tot Ion:252 Resp: 65685

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

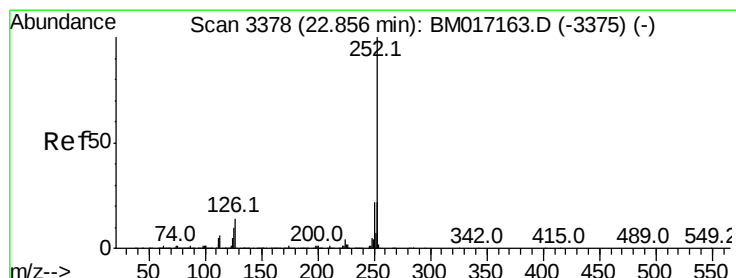
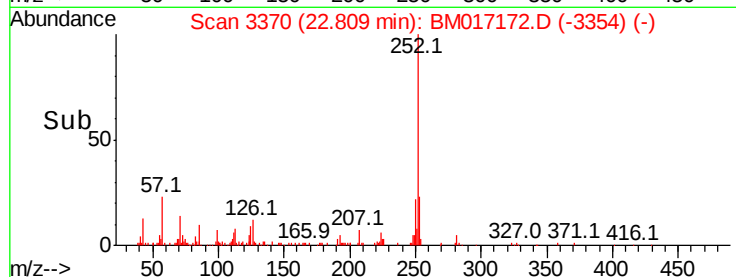
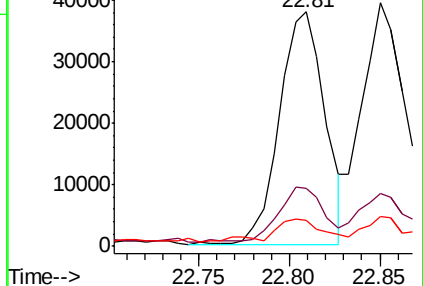
125 11.0 7.5 11.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 1.010 ng

RT: 22.85 min Scan# 3377

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

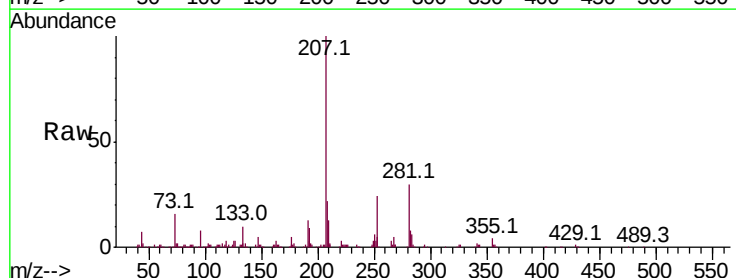
Tgt Ion:252 Resp: 65190

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

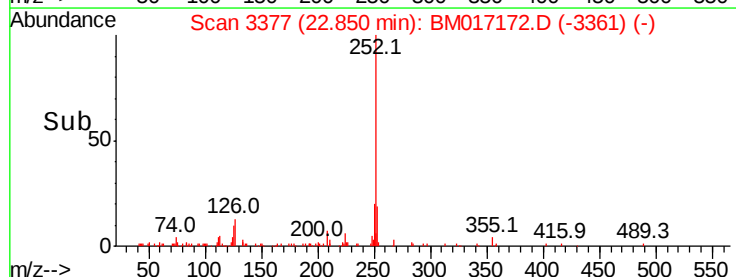
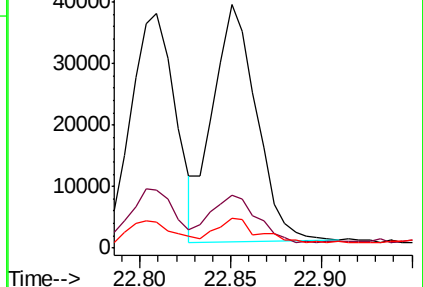
125 12.0 8.2 12.2

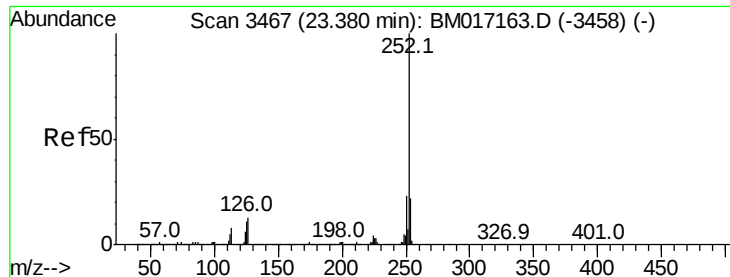


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 1.017 ng

RT: 23.37 min Scan# 3466

Delta R.T. -0.01 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

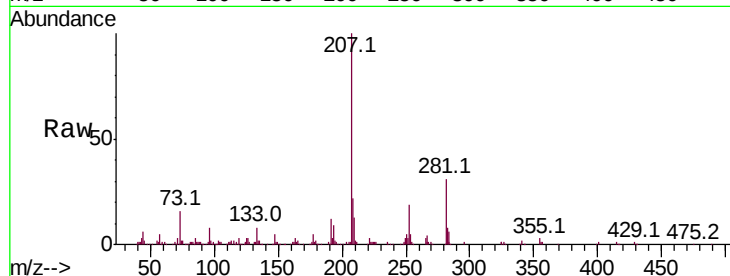
Tot Ion:252 Resp: 62088

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 14.1 8.6 13.0#

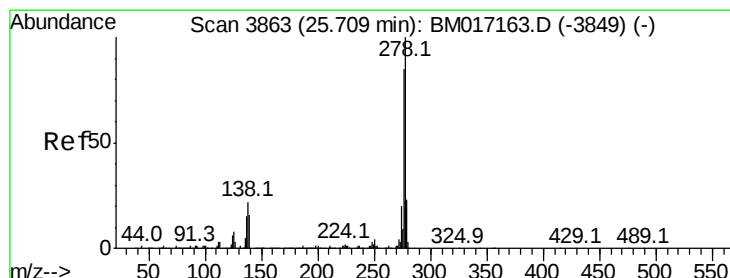
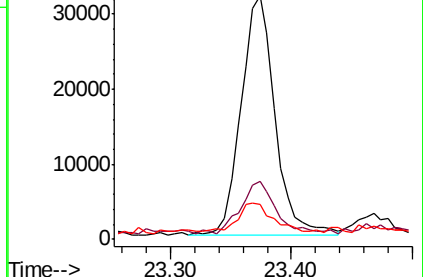
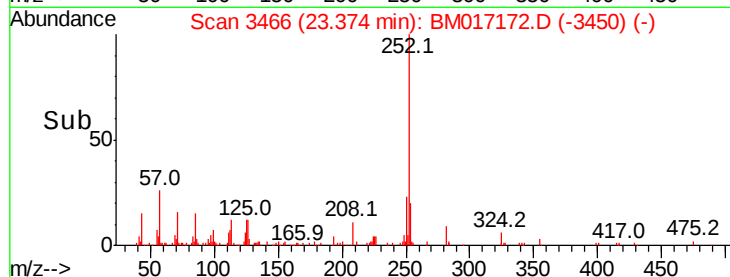


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#91

Dibenzo(a,h)anthracene

Concen: 1.044 ng

RT: 25.69 min Scan# 3860

Delta R.T. -0.02 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

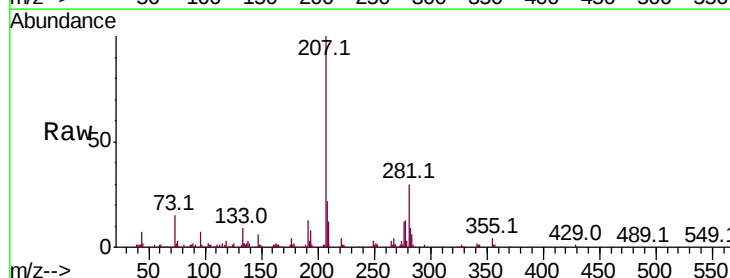
Tgt Ion:278 Resp: 63277

Ion Ratio Lower Upper

278 100

139 14.0 12.7 19.1

279 24.1 18.7 28.1

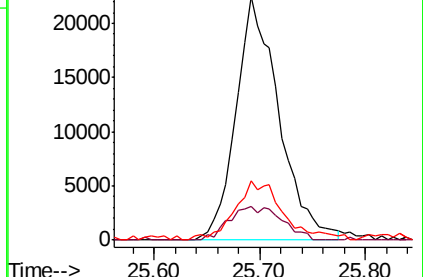
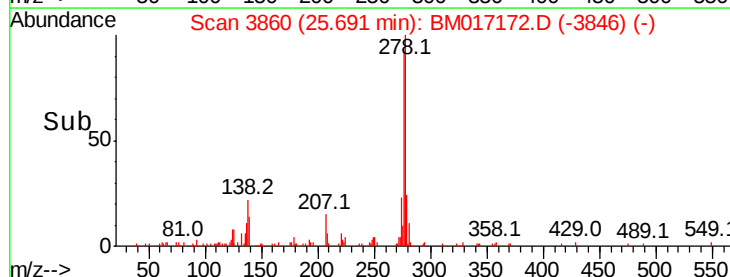


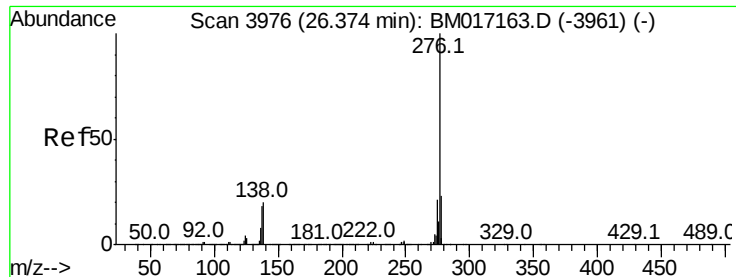
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->





#92

Benzo(a,h,i)perylene

Concen: 1.054 ng

RT: 26.36 min Scan# 3973

Delta R.T. -0.02 min

Lab File: BM017172.D

Acq: 17 Oct 2018 23:35

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

Tot Ion:276 Resp: 63337

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

138 18.1 16.4 24.6

