

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 13:00:13 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

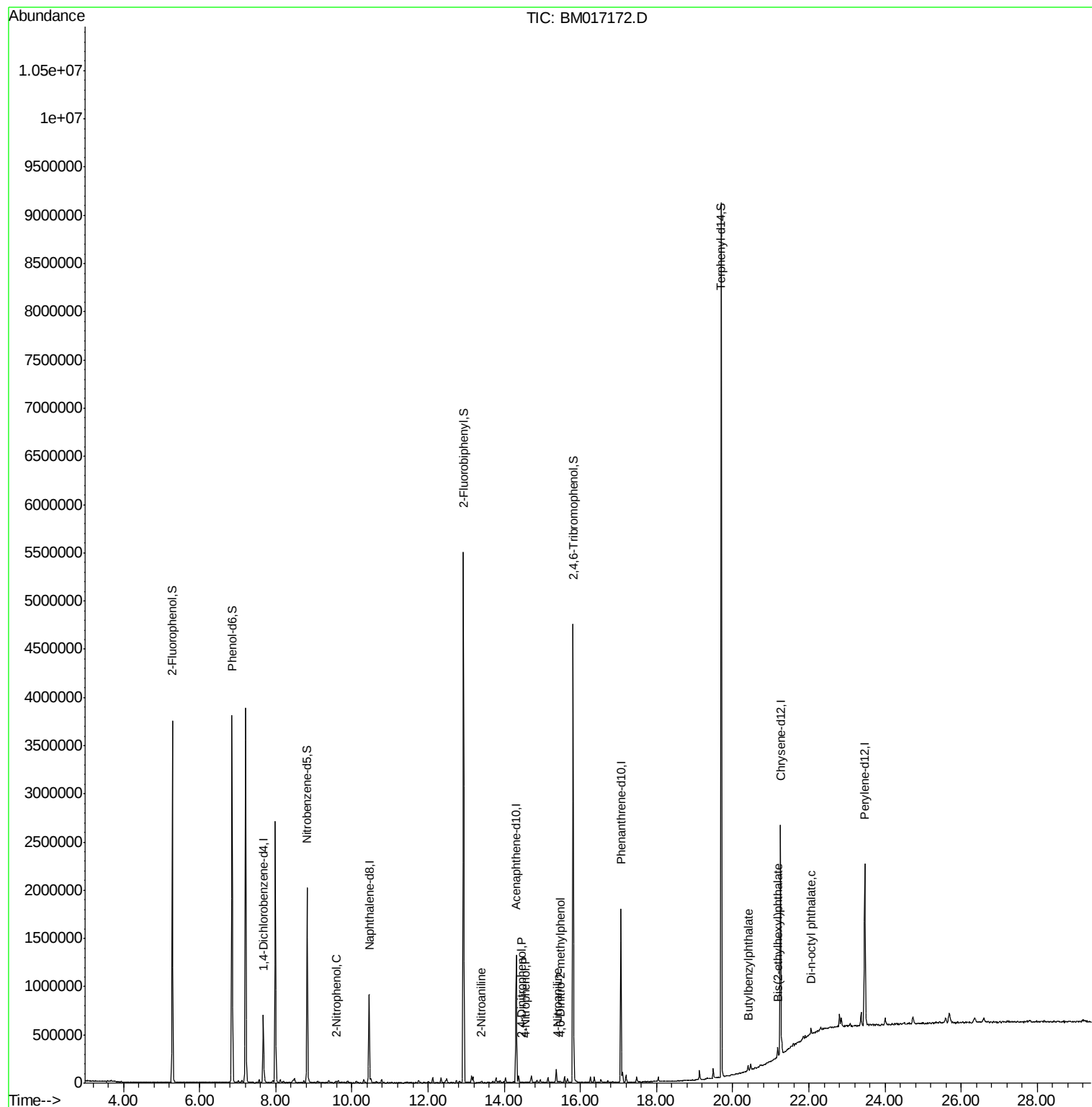
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	187077	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	759349	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	437027	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1021786	20.00	ng	0.00
76) Chrysene-d12	21.26	240	1178991	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						
26) 2-Nitrophenol	9.58	139	4293	6.292	ng	# 88
48) 2-Nitroaniline	13.40	65	4874	6.213	ng	# 78
54) 2,4-Dinitrophenol	14.46	184	857	8.403	ng	# 43
56) 4-Nitrophenol	14.57	139	2108	4.988	ng	# 84
62) 4-Nitroaniline	15.40	138	3191	5.075	ng	# 94
65) 4,6-Dinitro-2-methylphenol	15.46	198	2369	7.311	ng	# 86
80) Butylbenzylphthalate	20.40	149	14798	7.678	ng	# 86
84) Bis(2-ethylhexyl)phthalate	21.18	149	25306	5.895	ng	# 96
85) Di-n-octyl phthalate	22.06	149	41205	6.132	ng	# 97

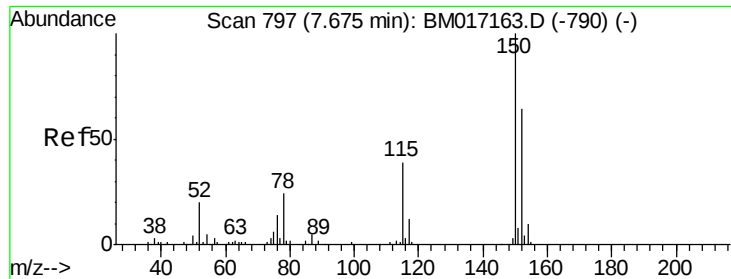
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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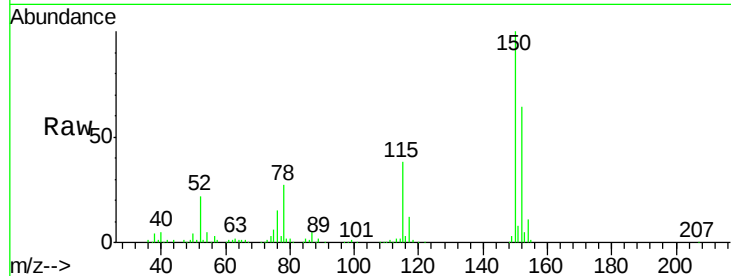


#1

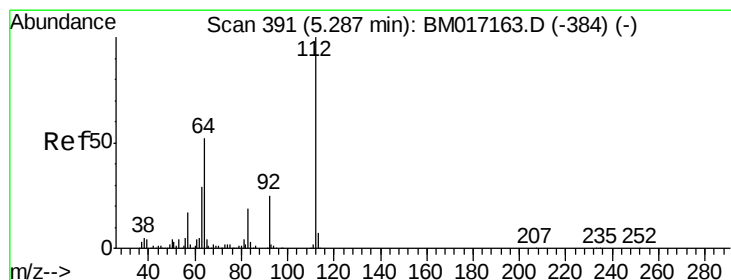
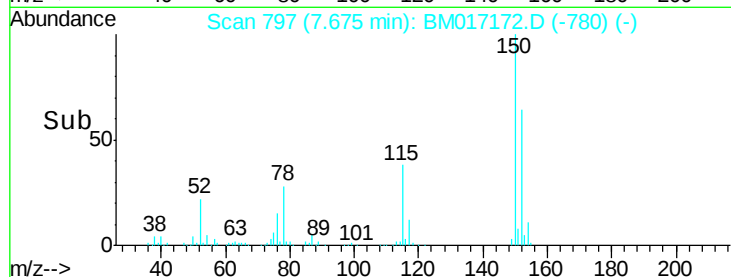
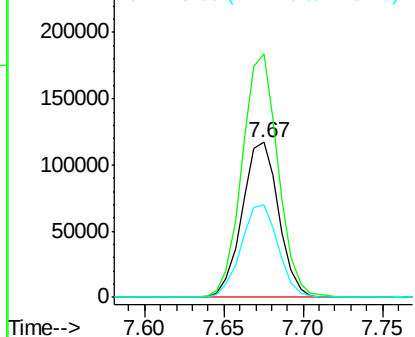
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 797
Delta R.T. -0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

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

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



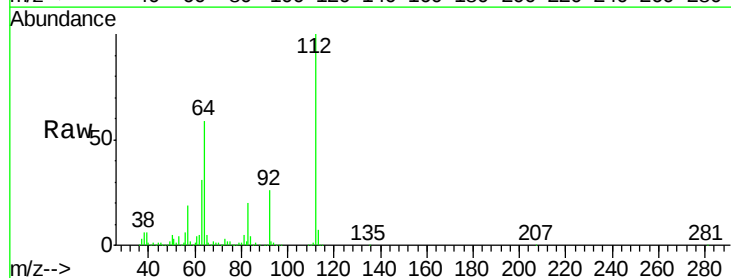
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



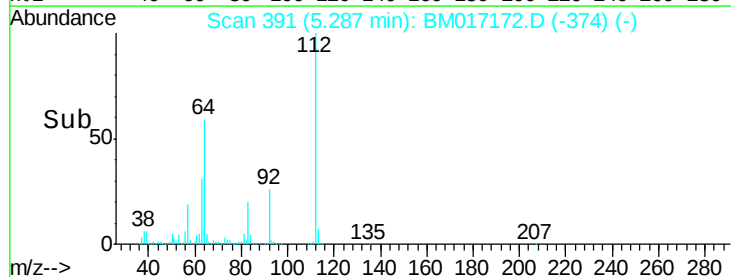
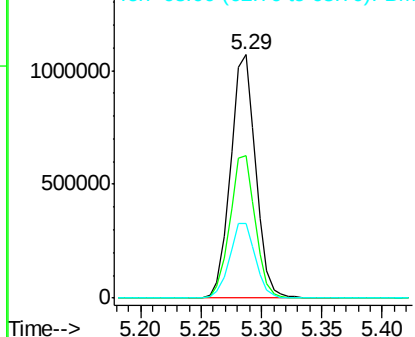
#5

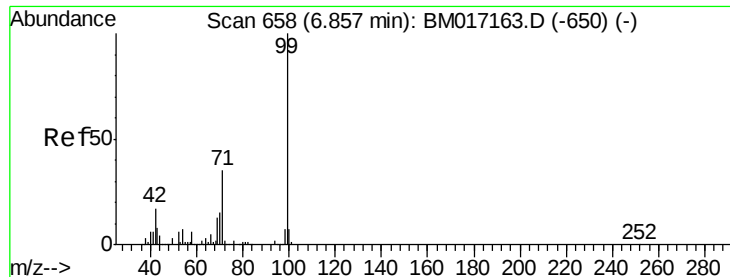
2-Fluorophenol
Concen: 139.964 ng
RT: 5.29 min Scan# 391
Delta R.T. 0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

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





#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

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT4-2018

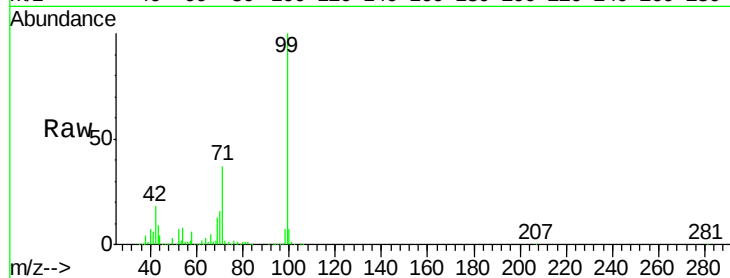
Tgt Ion: 99 Resp: 2005012

Ion Ratio Lower Upper

99 100

42 18.0 13.3 19.9

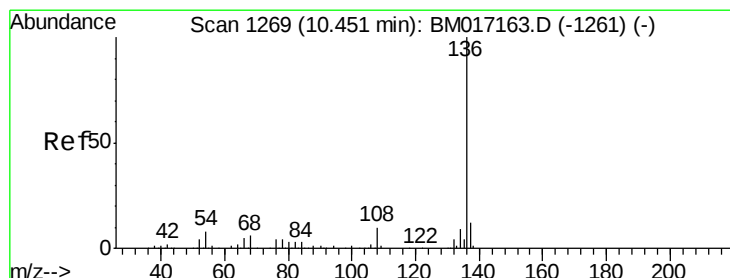
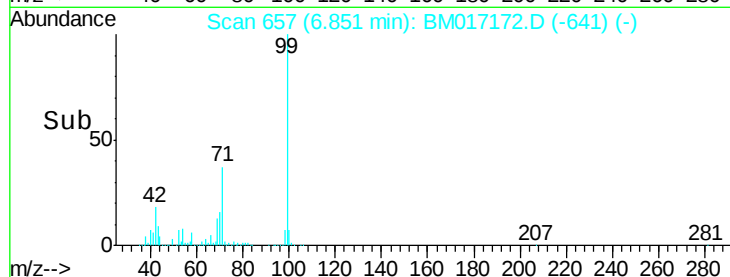
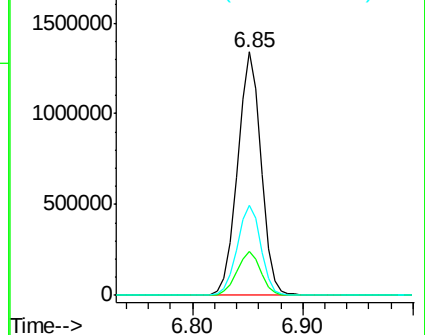
71 37.1 28.0 42.0



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) (-)



#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

Tgt Ion: 136 Resp: 759349

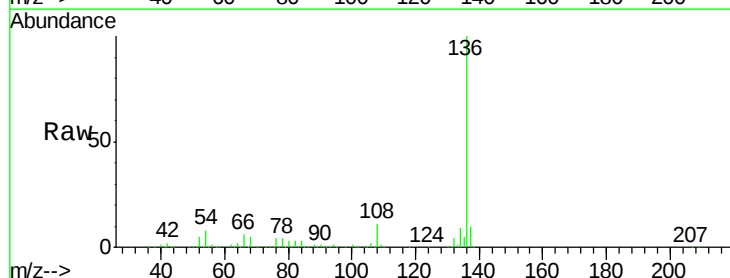
Ion Ratio Lower Upper

136 100

137 10.4 9.2 13.8

54 7.7 6.7 10.1

68 4.8 4.7 7.1

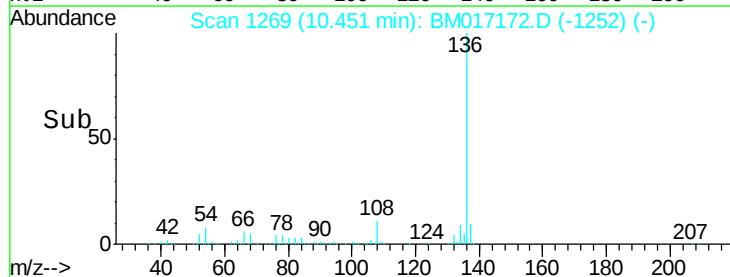
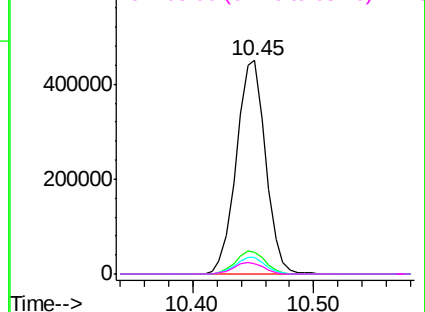


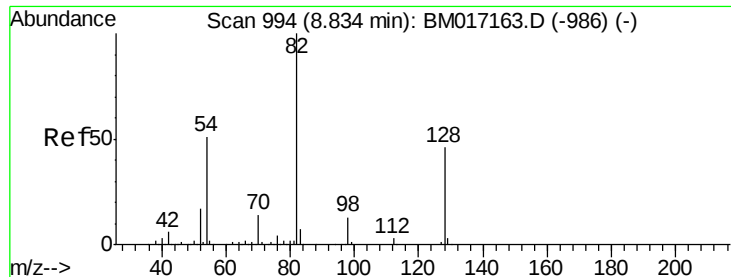
Abundance Ion 136.00 (135.70 to 136.70): BM017163.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM017163.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM017163.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM017163.D (-1261) (-)

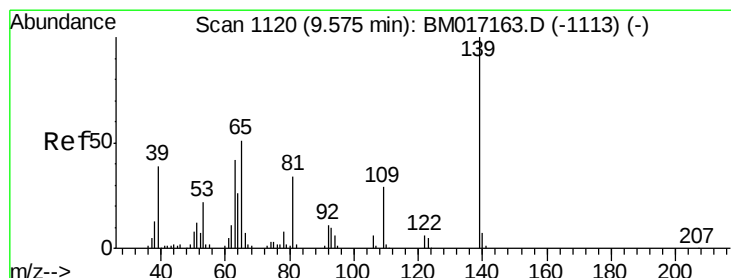
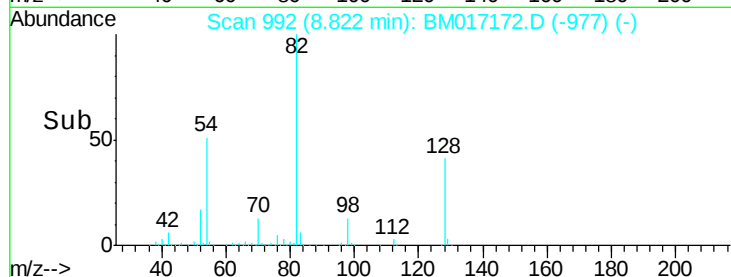
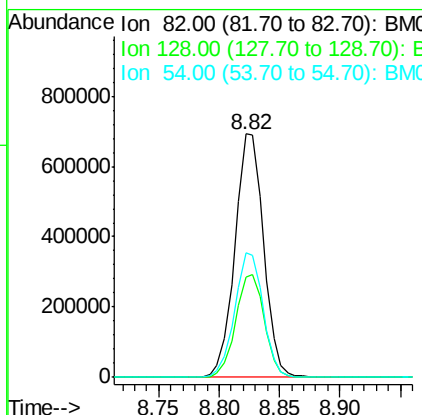
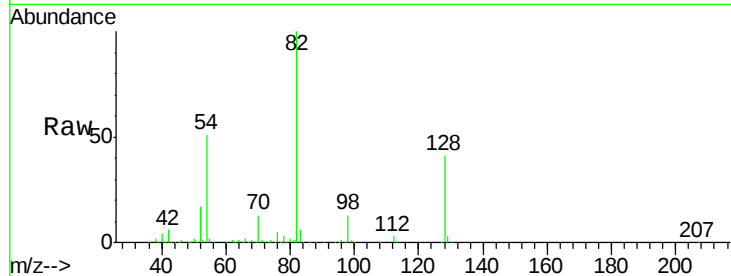




#23
 Nitrobenzene-d5
 Concen: 88.591 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

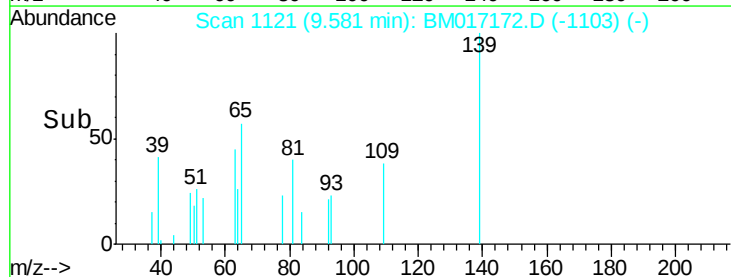
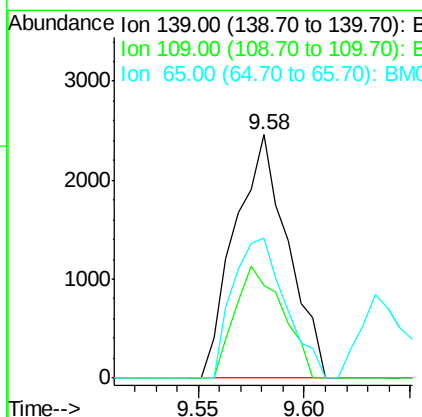
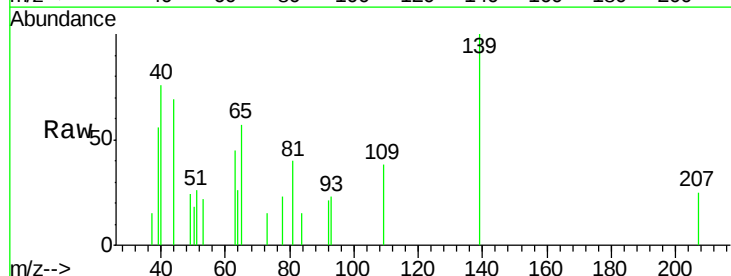
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2018

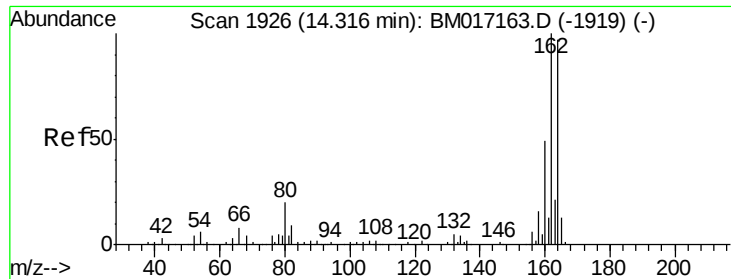
Tgt Ion: 82 Resp: 1150228
 Ion Ratio Lower Upper
 82 100
 128 41.3 37.0 55.6
 54 51.4 40.7 61.1



#26
 2-Nitrophenol
 Concen: 6.292 ng
 RT: 9.58 min Scan# 1121
 Delta R.T. 0.01 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

Tgt Ion: 139 Resp: 4293
 Ion Ratio Lower Upper
 139 100
 109 38.2 23.2 34.8#
 65 57.5 40.6 61.0





#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

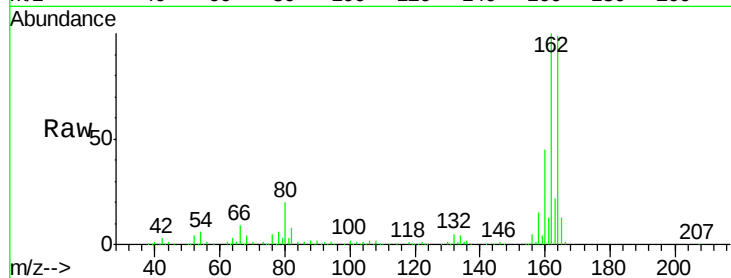
Tgt Ion:164 Resp: 437027

Ion Ratio Lower Upper

164 100

162 100.6 82.1 123.1

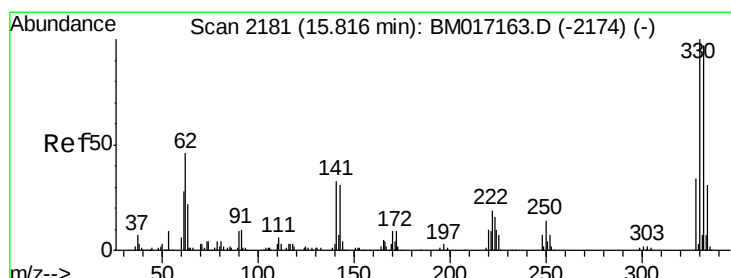
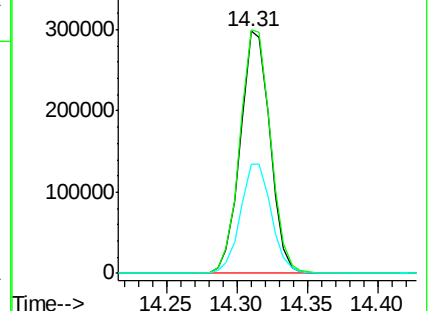
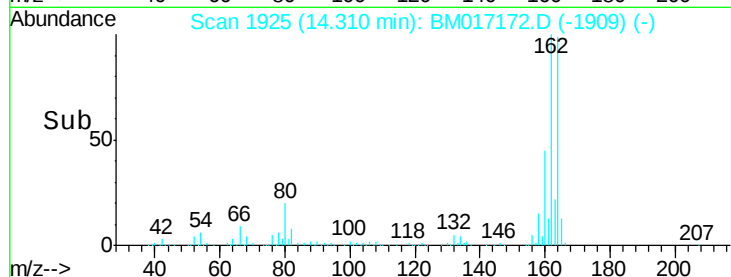
160 44.9 40.2 60.2



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



#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

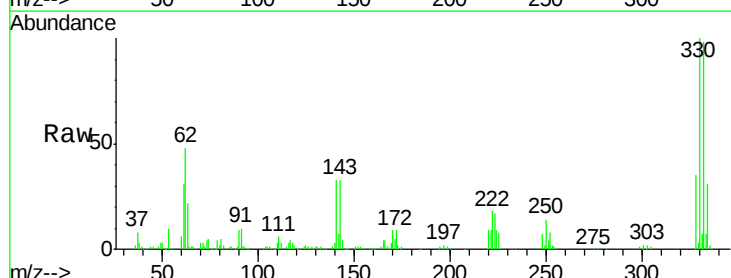
Tgt Ion:330 Resp: 855439

Ion Ratio Lower Upper

330 100

332 97.1 77.3 115.9

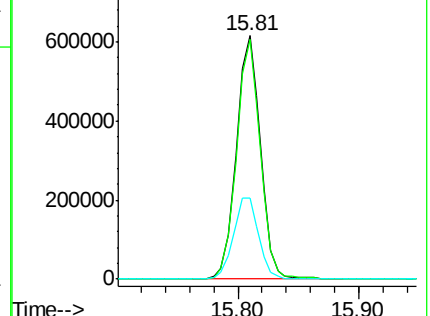
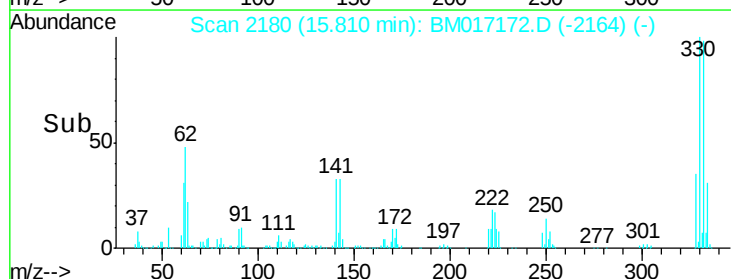
141 35.2 27.4 41.0

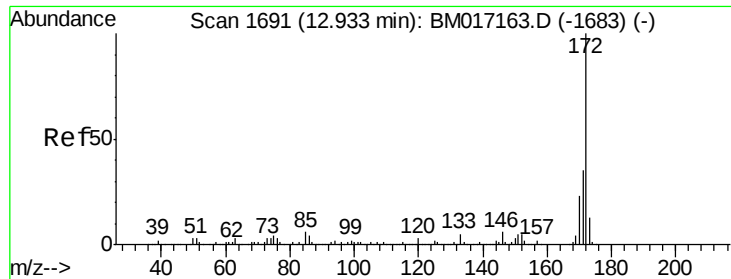


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

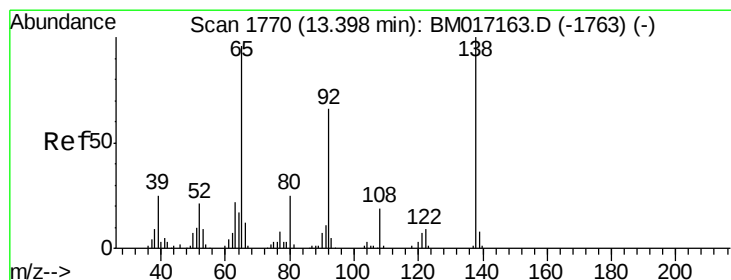
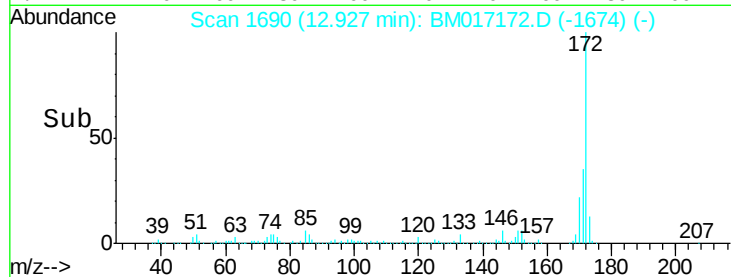
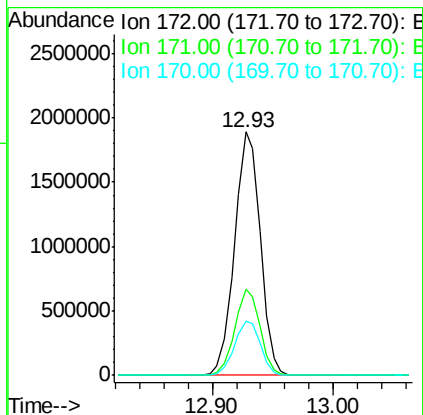
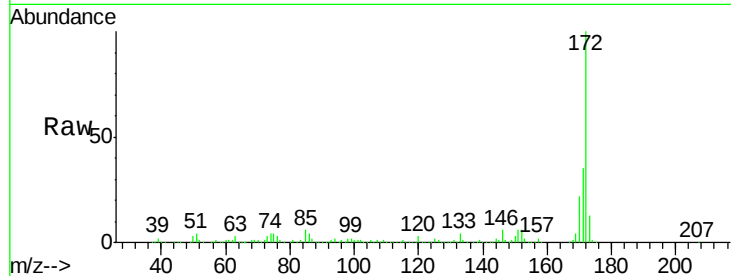




#45
2-Fluorobiphenyl
Concen: 85.522 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

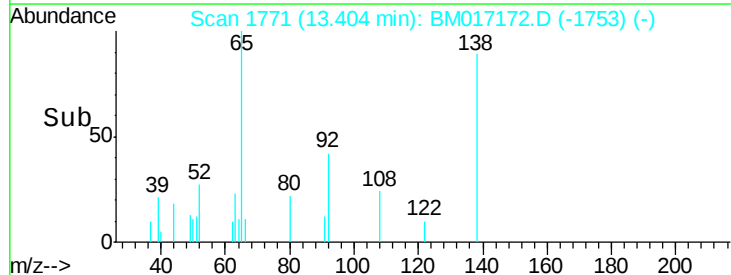
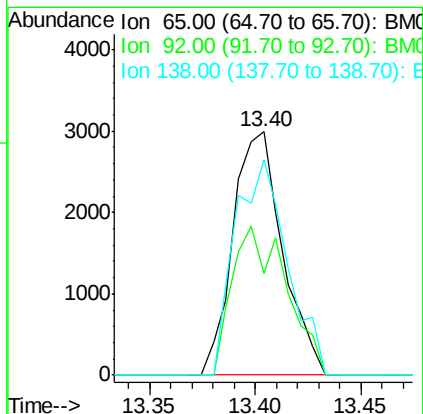
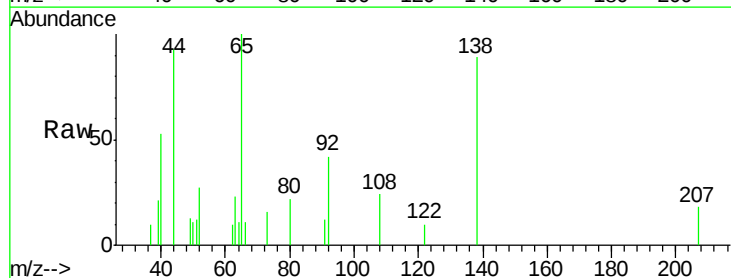
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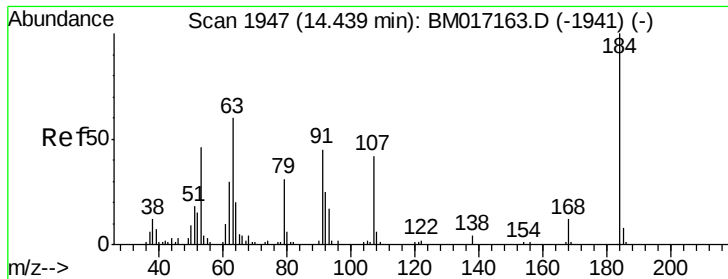
Tgt Ion: 172 Resp: 2809024
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.4 18.3 27.5



#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

Tgt Ion: 65 Resp: 4874
Ion Ratio Lower Upper
65 100
92 41.9 54.9 82.3#
138 88.6 83.7 125.5

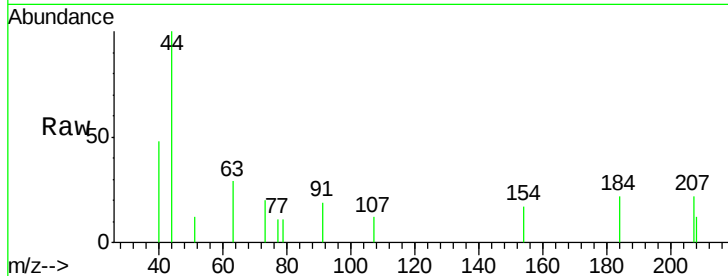




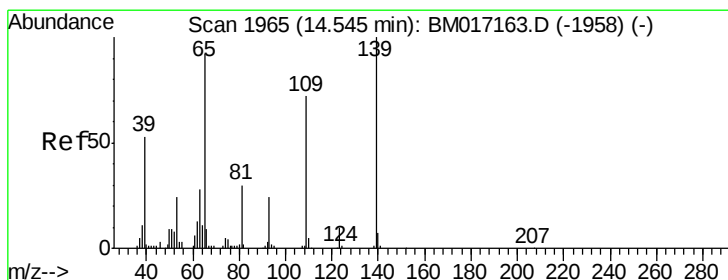
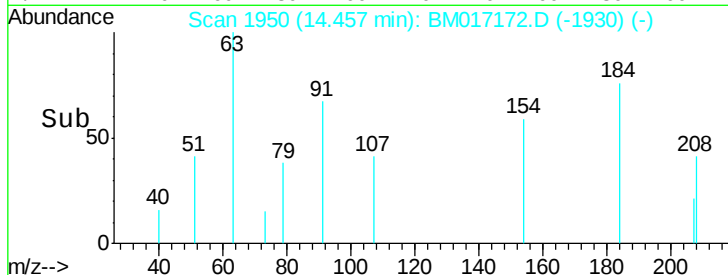
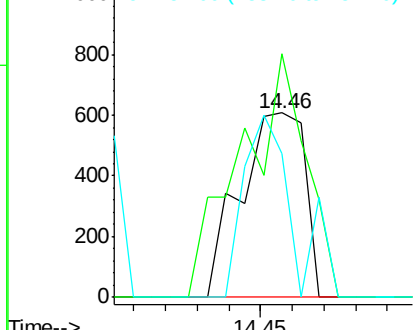
#54
2,4-Dinitrophenol
Concen: 8.403 ng
RT: 14.46 min Scan# 1950
Delta R.T. 0.02 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

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

Tgt Ion:184 Resp: 857
Ion Ratio Lower Upper
184 100
63 132.1 51.2 76.8#
154 77.8 47.8 71.8#

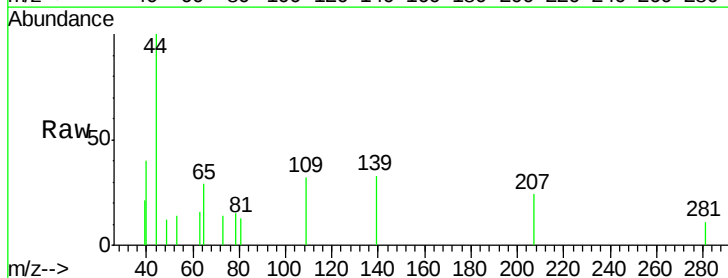


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 154.00 (153.70 to 154.70): E

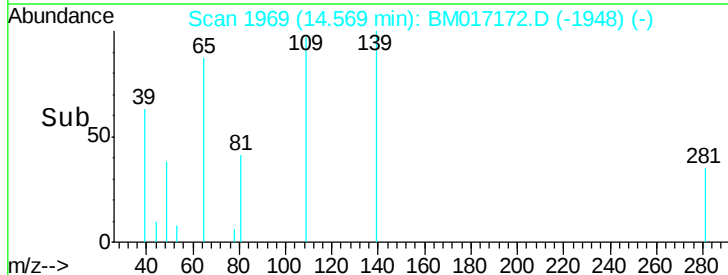
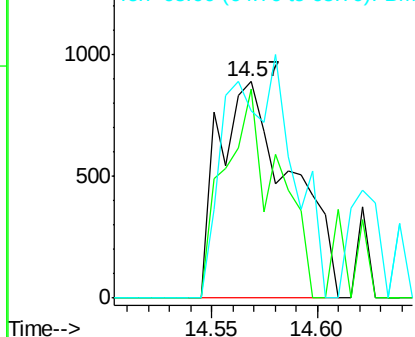


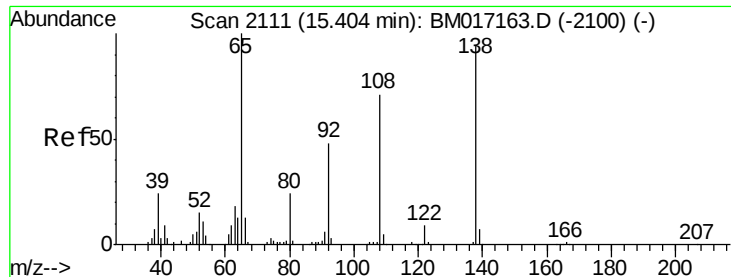
#56
4-Nitrophenol
Concen: 4.988 ng
RT: 14.57 min Scan# 1969
Delta R.T. 0.02 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

Tgt Ion:139 Resp: 2108
Ion Ratio Lower Upper
139 100
109 96.8 51.8 91.8#
65 86.7 72.1 112.1



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM0

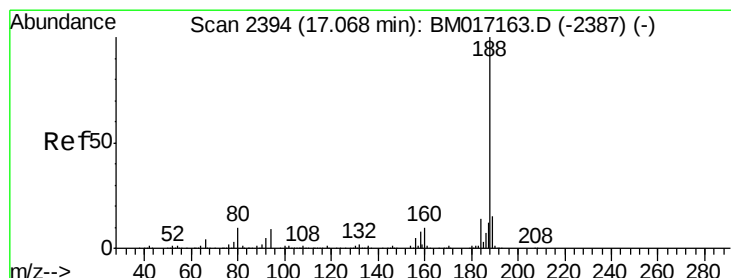
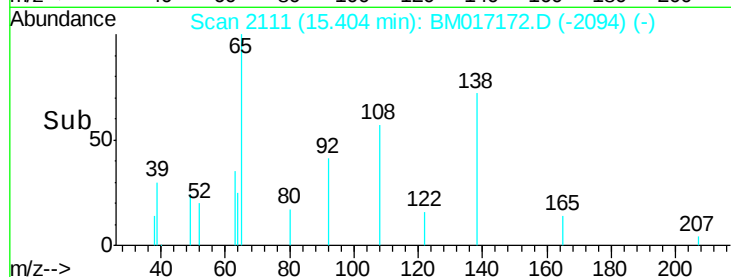
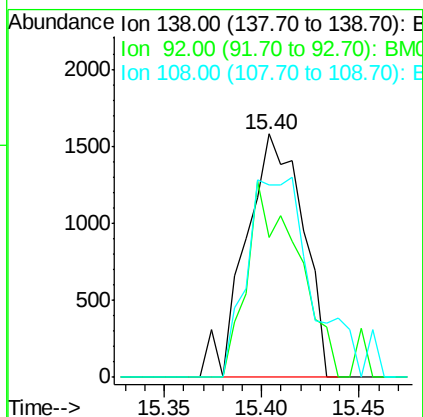
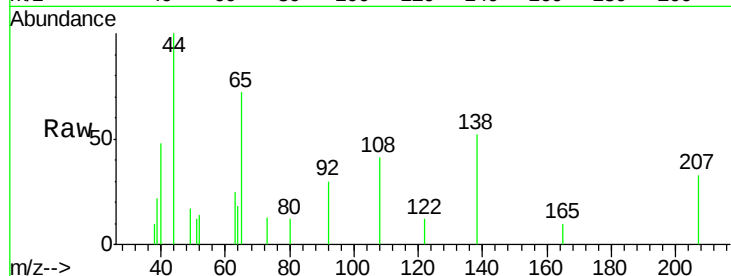




#62
4-Nitroaniline
Concen: 5.075 ng
RT: 15.40 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BM017172.D
Acq: 17 Oct 2018 23:35

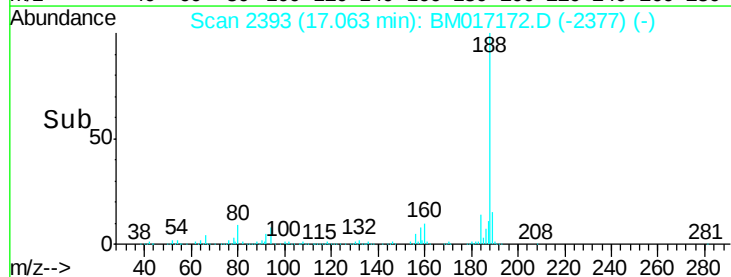
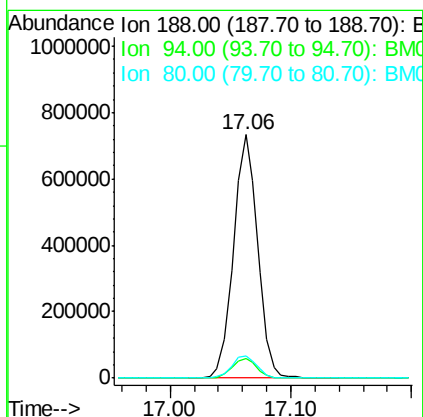
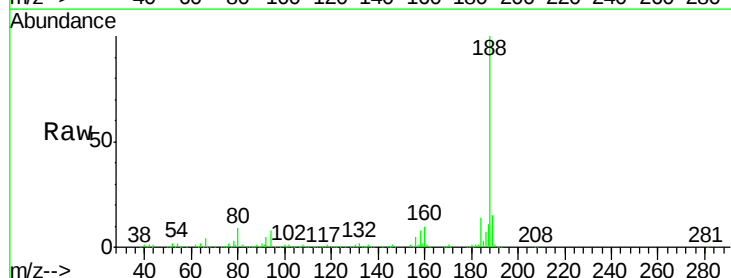
Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT4-2018

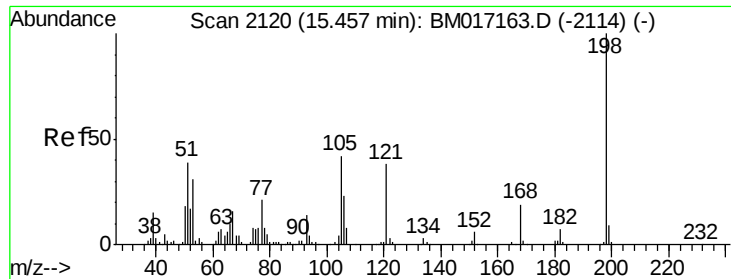
Tgt Ion:138 Resp: 3191
Ion Ratio Lower Upper
138 100
92 57.5 31.2 71.2
108 79.0 55.5 95.5



#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

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

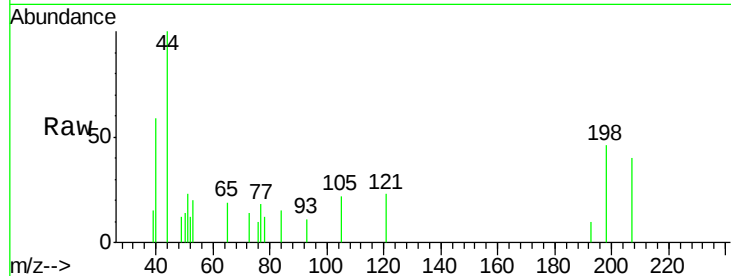




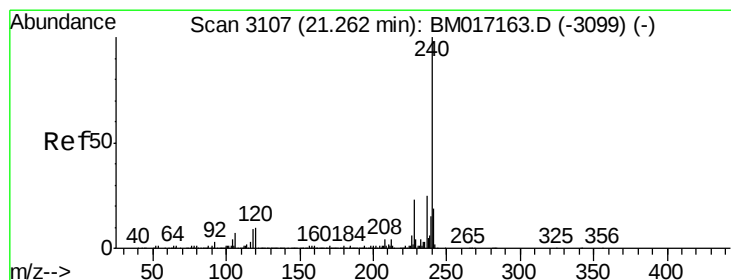
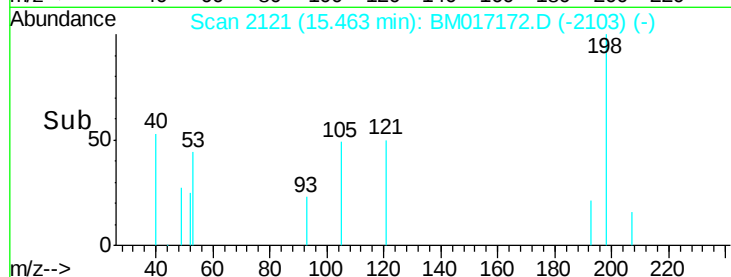
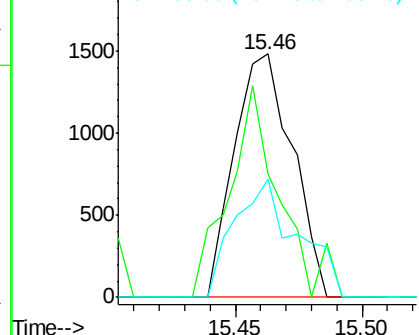
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.311 ng
 RT: 15.46 min Scan# 2121
 Delta R.T. 0.01 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

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

Tgt Ion:198 Resp: 2369
 Ion Ratio Lower Upper
 198 100
 51 50.9 20.3 60.3
 105 48.5 21.9 61.9

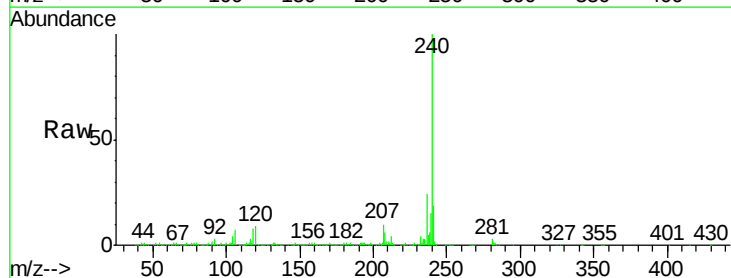


Abundance Ion 198.00 (197.70 to 198.70): E
 2000 Ion 51.00 (50.70 to 51.70): BM
 Ion 105.00 (104.70 to 105.70): E

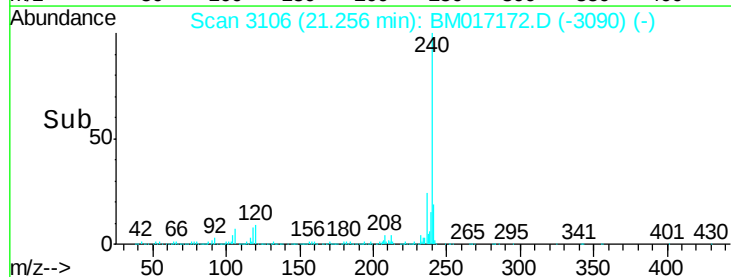
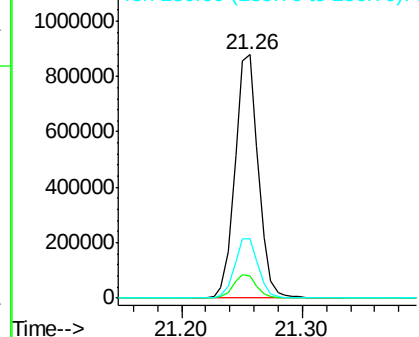


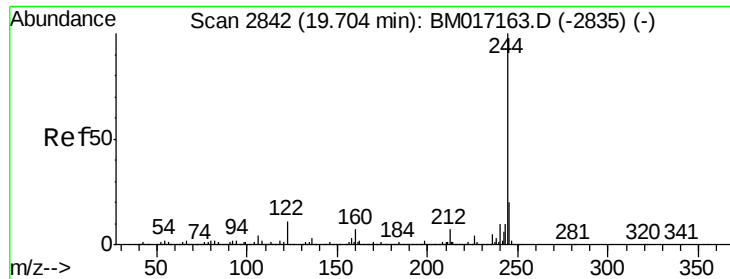
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.26 min Scan# 3106
 Delta R.T. -0.01 min
 Lab File: BM017172.D
 Acq: 17 Oct 2018 23:35

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



Abundance Ion 240.00 (239.70 to 240.70): E
 1200000 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#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

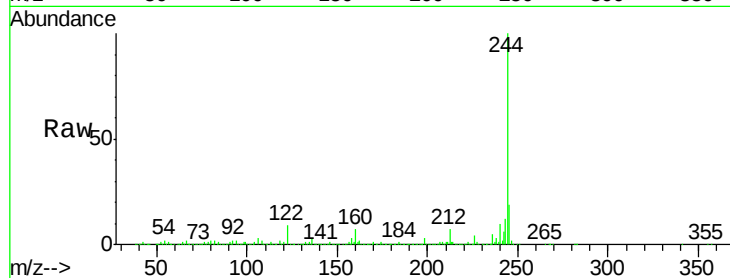
Tgt Ion:244 Resp: 4380660

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

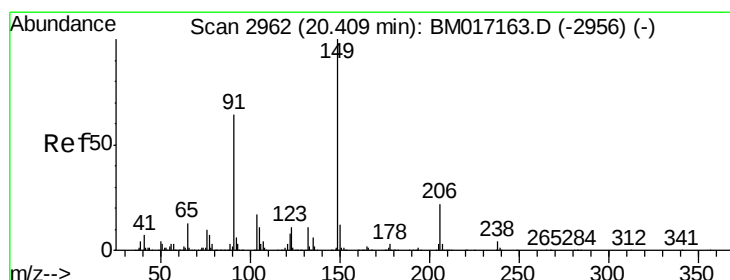
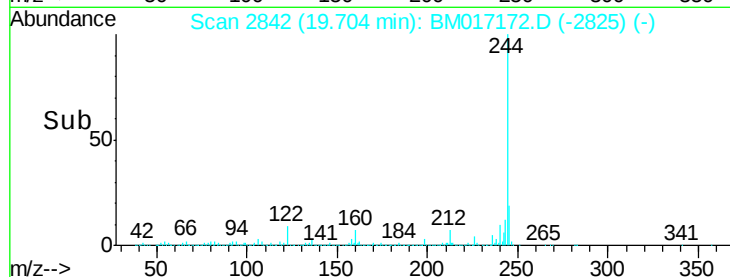
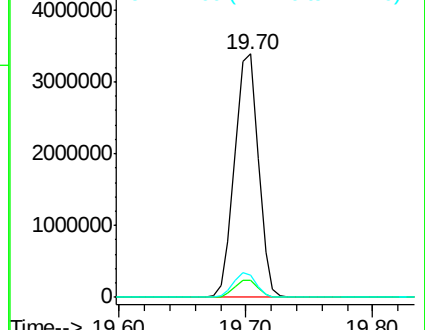
122 9.2 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#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

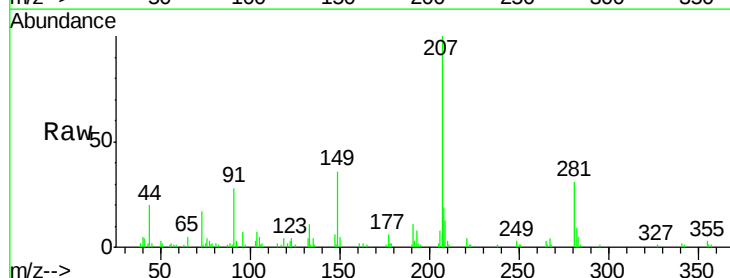
Tgt Ion:149 Resp: 14798

Ion Ratio Lower Upper

149 100

91 77.9 51.3 76.9#

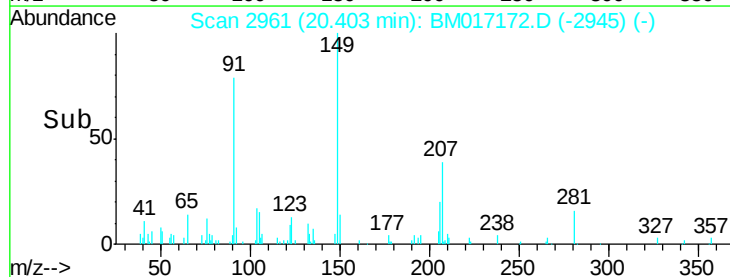
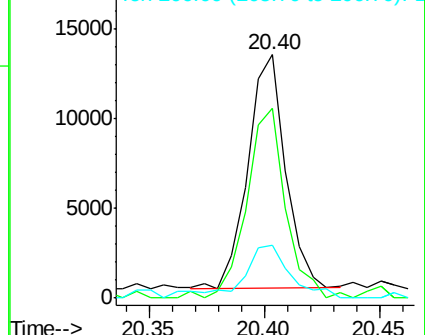
206 21.5 18.0 27.0

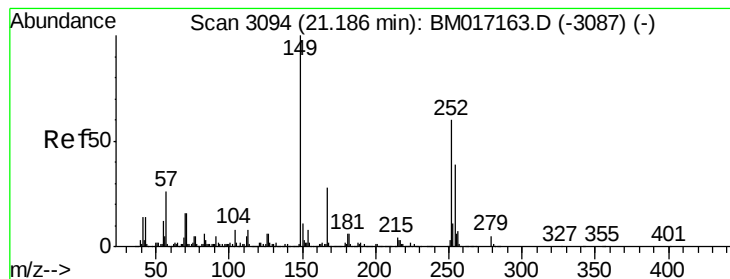


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): 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

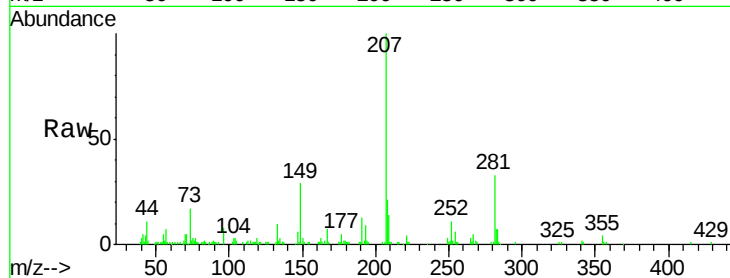
Tgt Ion:149 Resp: 25306

Ion Ratio Lower Upper

149 100

167 25.6 22.2 33.4

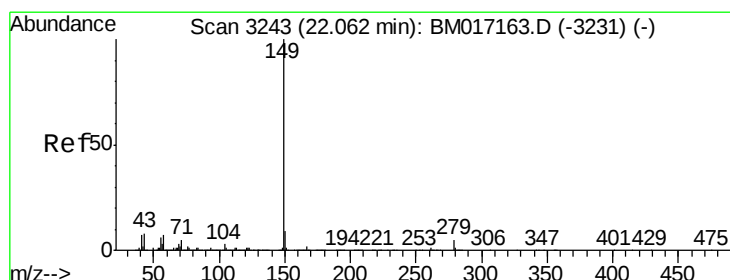
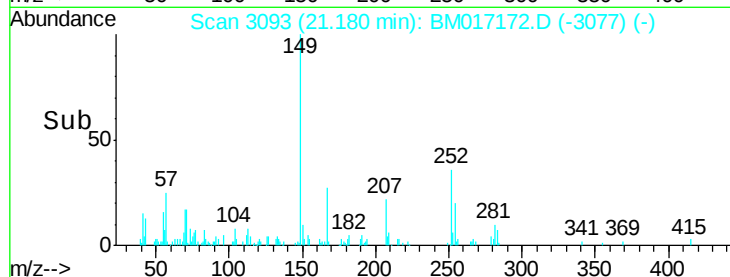
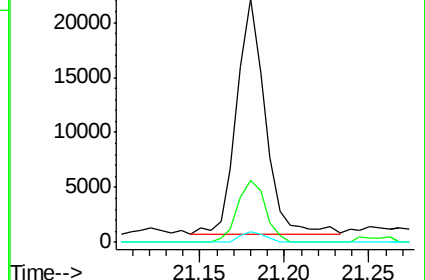
279 4.3 3.6 5.4



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

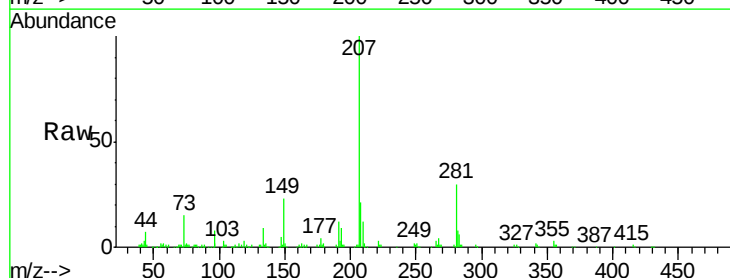
Tgt Ion:149 Resp: 41205

Ion Ratio Lower Upper

149 100

167 2.9 1.4 2.0#

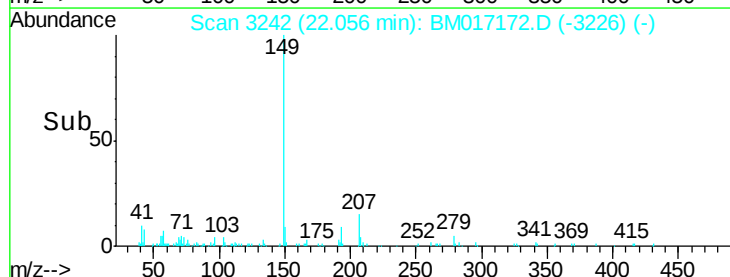
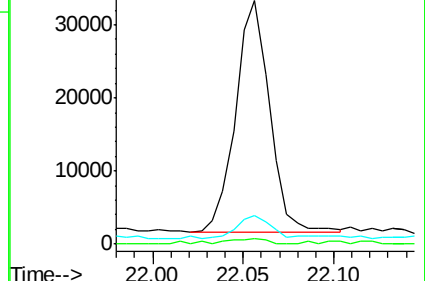
43 10.2 7.2 10.8

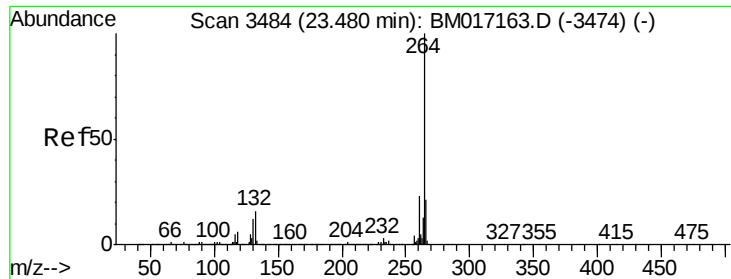


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0





#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

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

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

