

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101718\
 Data File : BM017179.D
 Acq On : 18 Oct 2018 05:34
 Operator : MJ/SJ
 Sample : J5164-09
 Misc : MDL 1 PPM
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Oct 18 13:03:07 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	201953	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	854930	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	490093	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1170303	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1342444	20.00	ng	-0.01
87) Perylene-d12	23.47	264	1350063	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	1598289	133.85	ng	0.00
7) Phenol-d6	6.85	99	2091290	128.60	ng	0.00
23) Nitrobenzene-d5	8.82	82	1219687	83.44	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	929028	140.17	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	2946444	79.99	ng	0.00
79) Terphenyl-d14	19.70	244	4610556	77.41	ng	0.00

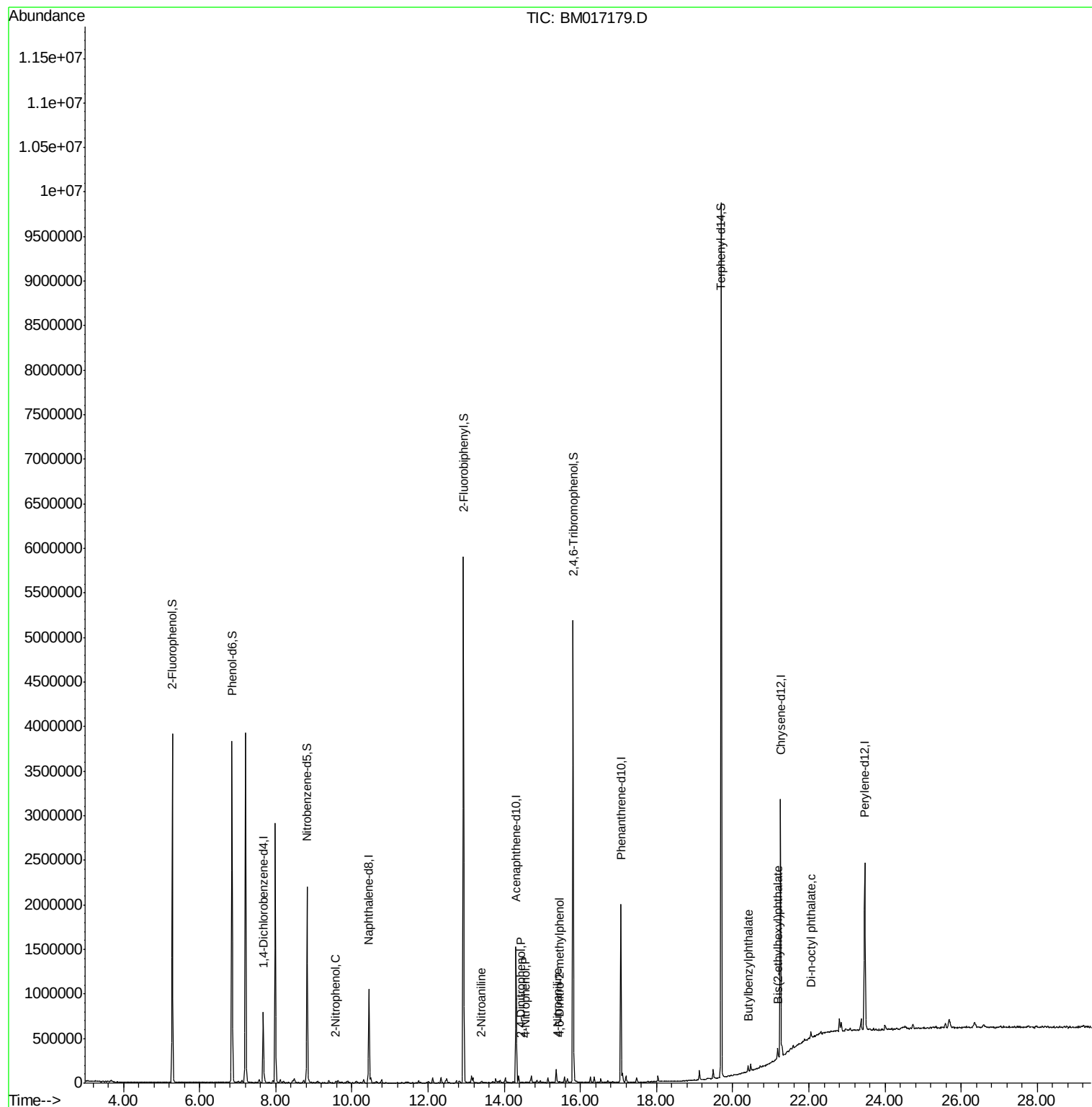
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	9.57	139	4340	6.232	ng	# 76
48) 2-Nitroaniline	13.40	65	5458	6.212	ng	# 82
54) 2,4-Dinitrophenol	14.45	184	1466	8.496	ng	93
56) 4-Nitrophenol	14.56	139	2475	5.000	ng	92
62) 4-Nitroaniline	15.40	138	3542	5.072	ng	97
65) 4,6-Dinitro-2-methylphenol	15.46	198	2745	7.314	ng	88
80) Butylbenzylphthalate	20.40	149	17349	7.693	ng	92
84) Bis(2-ethylhexyl)phthalate	21.18	149	25630	5.830	ng	95
85) Di-n-octyl phthalate	22.05	149	43058	6.086	ng	# 92

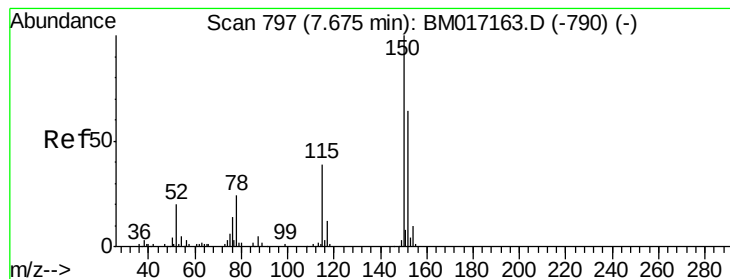
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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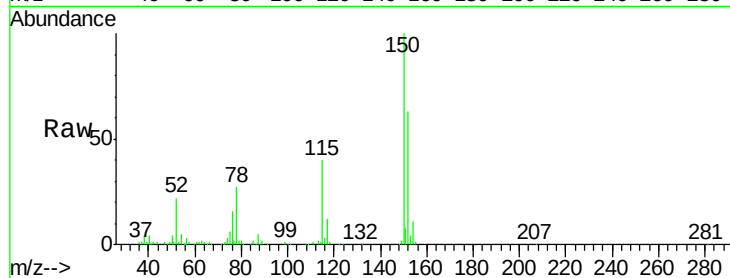


#1

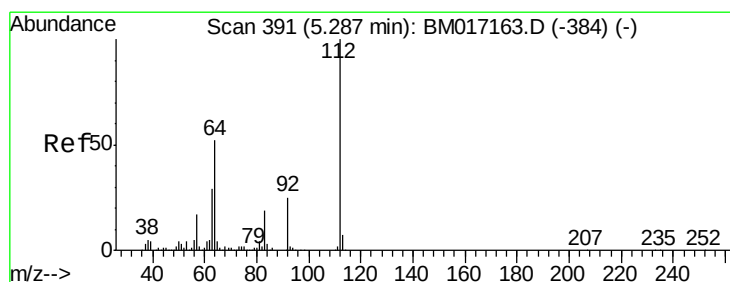
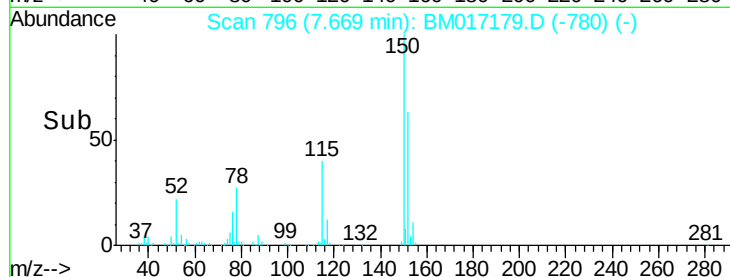
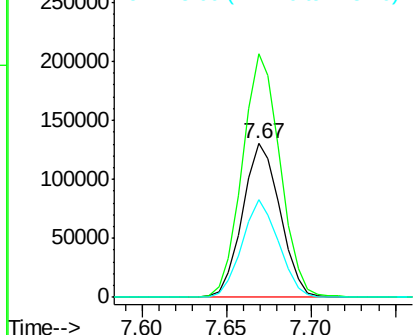
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017179.D
Acq: 18 Oct 2018 05:34

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

Tgt Ion:152 Resp: 201953
Ion Ratio Lower Upper
152 100
150 158.2 124.3 186.5
115 63.4 48.1 72.1



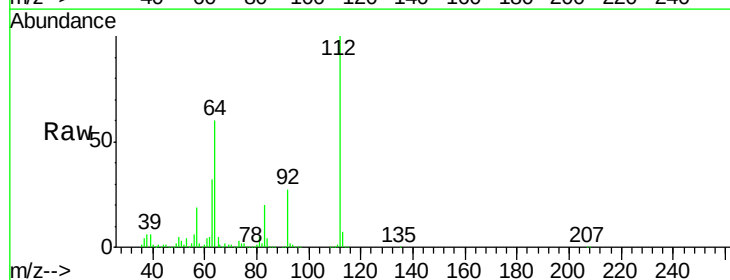
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



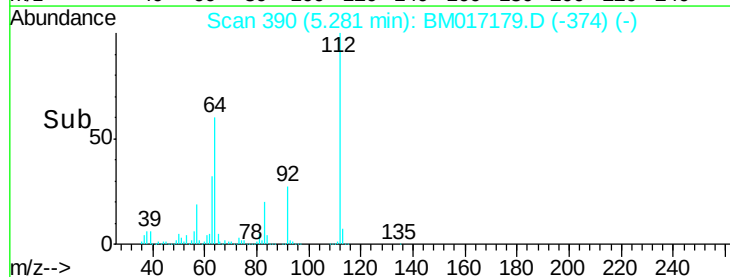
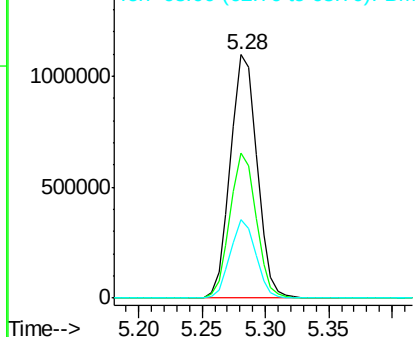
#5

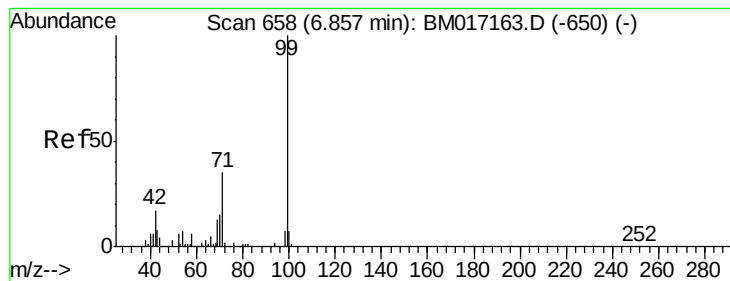
2-Fluorophenol
Concen: 133.855 ng
RT: 5.28 min Scan# 390
Delta R.T. -0.01 min
Lab File: BM017179.D
Acq: 18 Oct 2018 05:34

Tgt Ion:112 Resp: 1598289
Ion Ratio Lower Upper
112 100
64 59.6 41.7 62.5
63 32.0 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: 128.598 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT4-2018

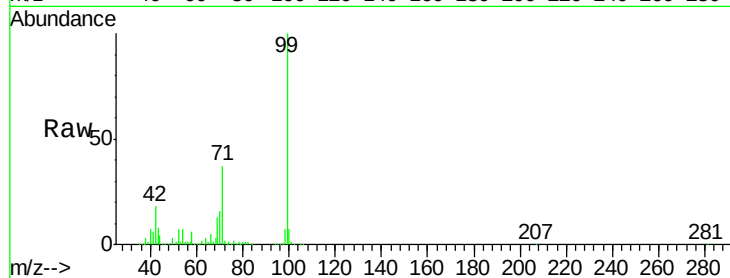
Tgt Ion: 99 Resp: 2091290

Ion Ratio Lower Upper

99 100

42 17.7 13.3 19.9

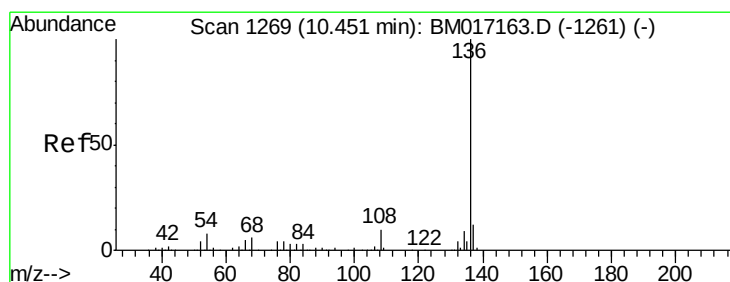
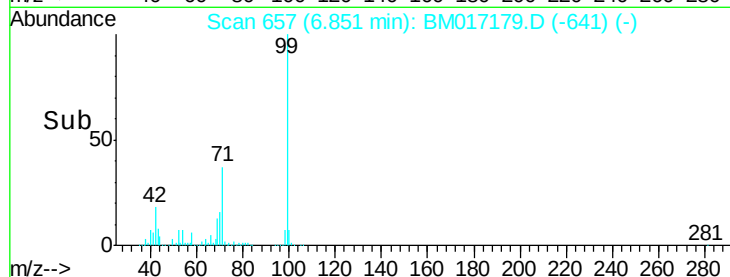
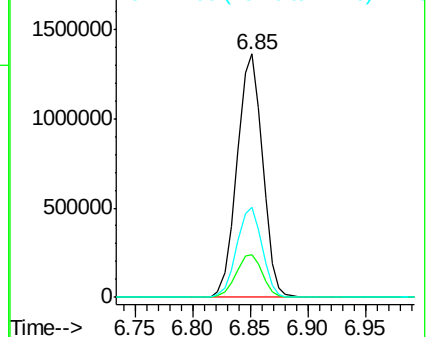
71 37.0 28.0 42.0



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# 1268

Delta R.T. -0.01 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

Tgt Ion: 136 Resp: 854930

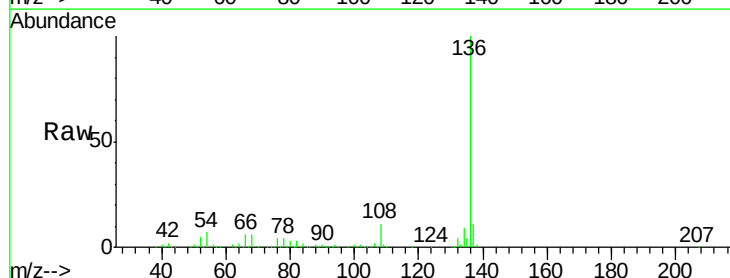
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 7.3 6.7 10.1

68 5.5 4.7 7.1

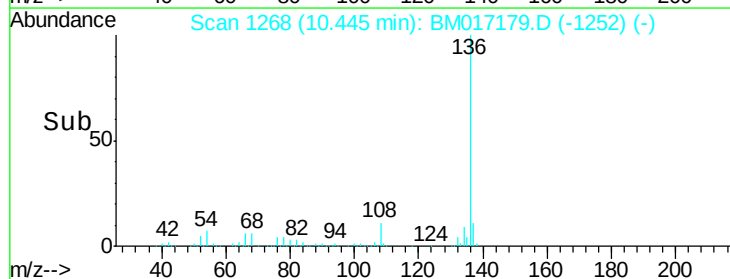
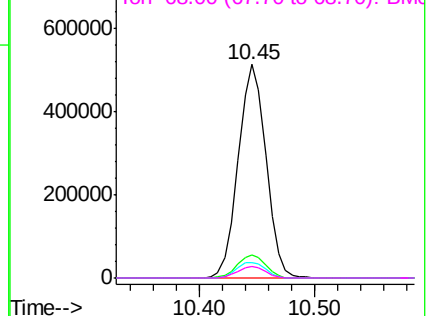


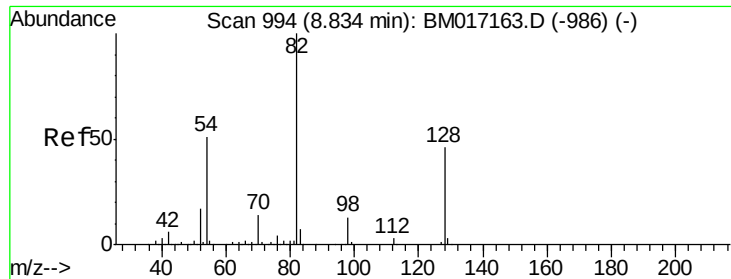
Abundance Ion 136.00 (135.70 to 136.70): BM017163.D (-1261) (-)

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) (-)

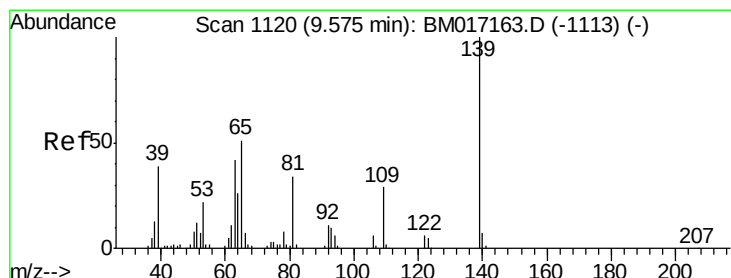
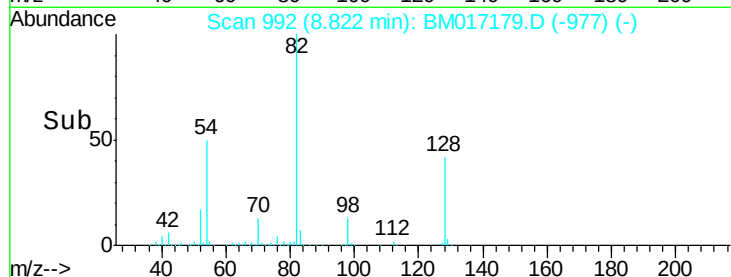
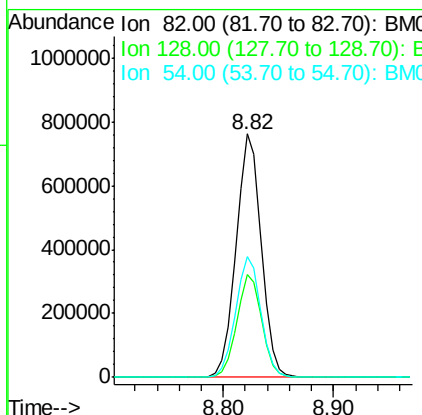
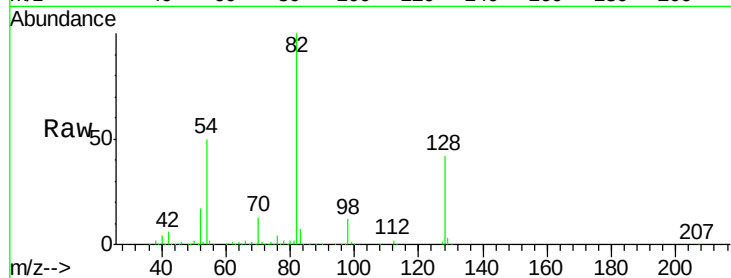




#23
 Nitrobenzene-d5
 Concen: 83.439 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BM017179.D
 Acq: 18 Oct 2018 05:34

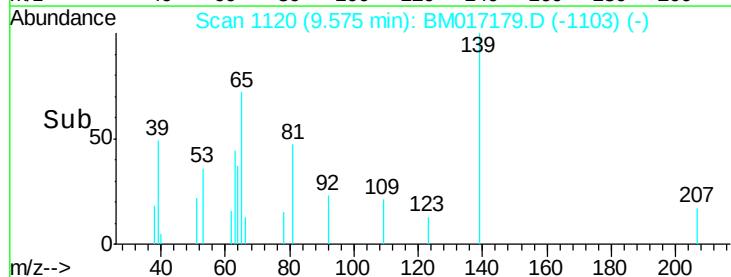
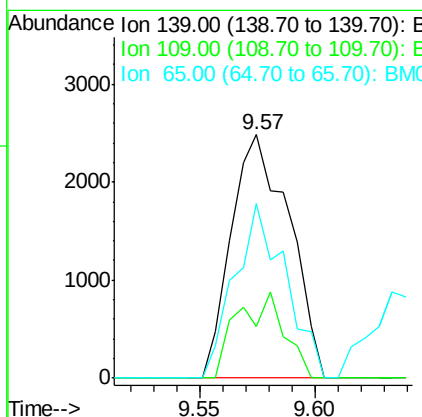
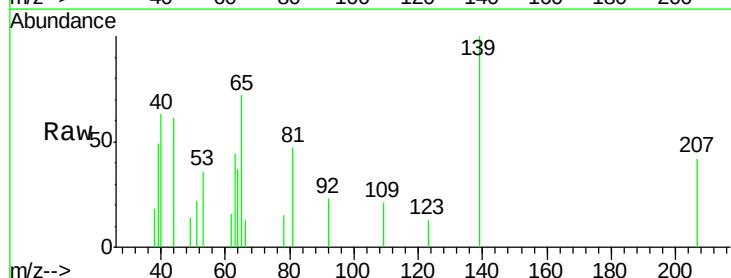
Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT4-2018

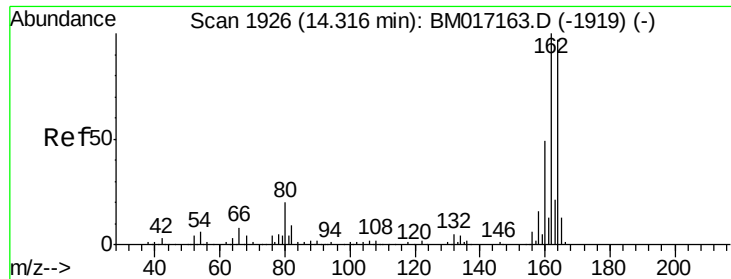
Tgt Ion: 82 Resp: 1219687
 Ion Ratio Lower Upper
 82 100
 128 42.0 37.0 55.6
 54 49.8 40.7 61.1



#26
 2-Nitrophenol
 Concen: 6.232 ng
 RT: 9.57 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BM017179.D
 Acq: 18 Oct 2018 05:34

Tgt Ion: 139 Resp: 4340
 Ion Ratio Lower Upper
 139 100
 109 21.2 23.2 34.8#
 65 71.8 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: BM017179.D

Acq: 18 Oct 2018 05:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT4-2018

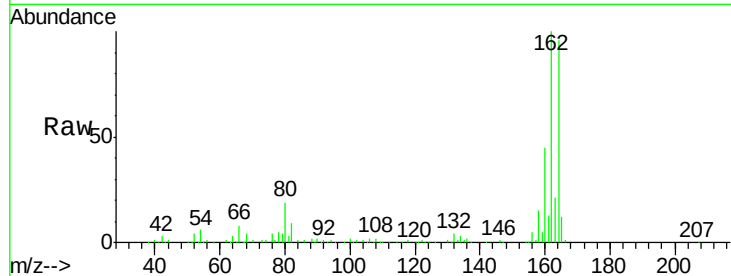
Tgt Ion:164 Resp: 490093

Ion Ratio Lower Upper

164 100

162 104.4 82.1 123.1

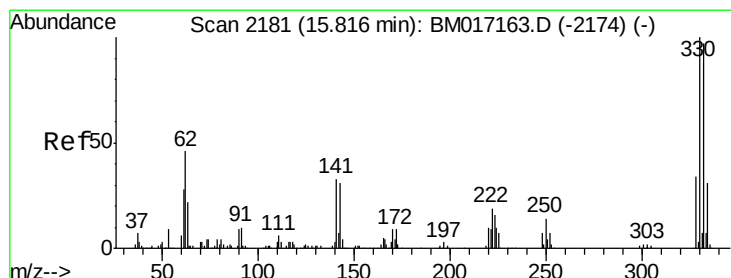
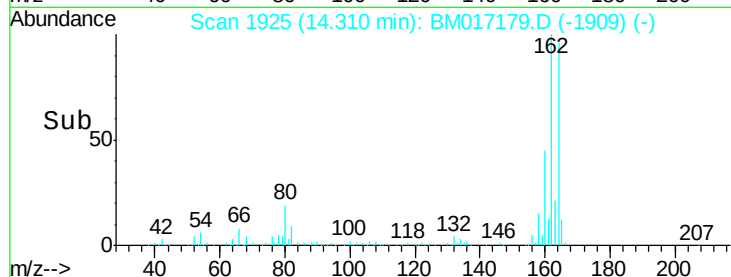
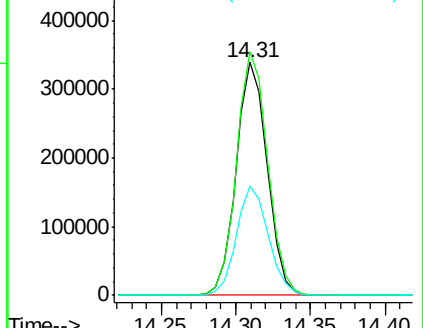
160 46.9 40.2 60.2



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: 140.172 ng

RT: 15.81 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

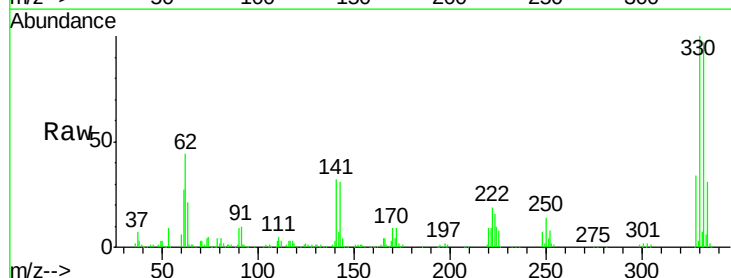
Tgt Ion:330 Resp: 929028

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

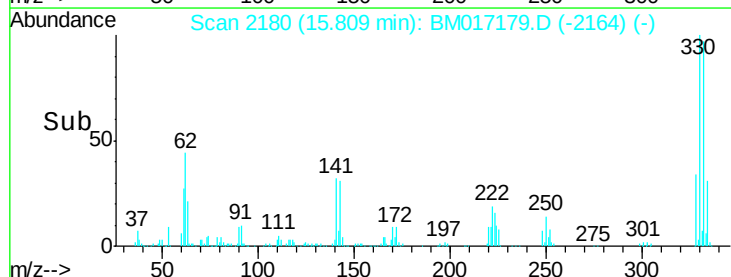
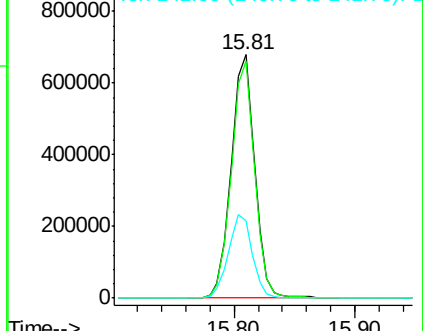
141 34.8 27.4 41.0

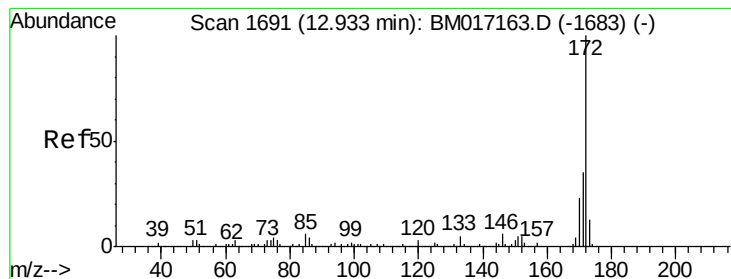


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 79.992 ng

RT: 12.93 min Scan# 1690

Delta R.T. -0.01 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT4-2018

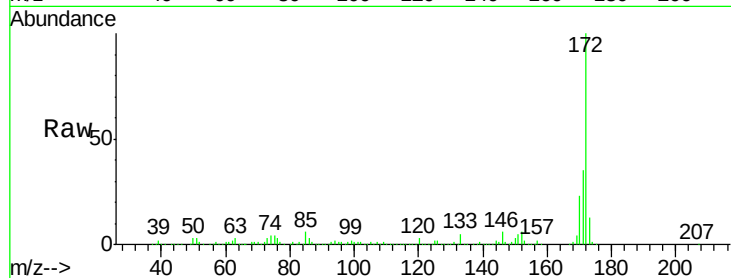
Tgt Ion:172 Resp: 2946444

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

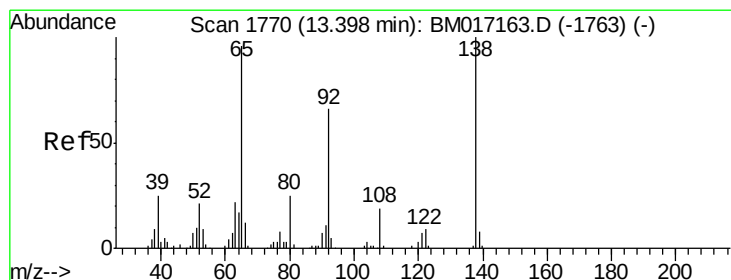
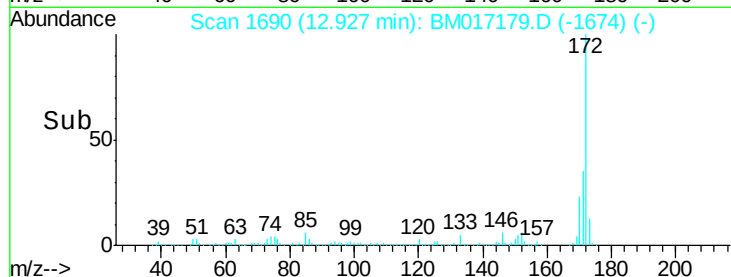
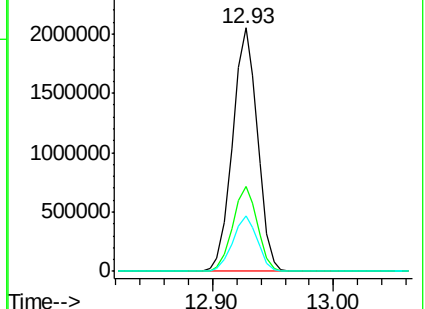
170 22.7 18.3 27.5



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



#48

2-Nitroaniline

Concen: 6.212 ng

RT: 13.40 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

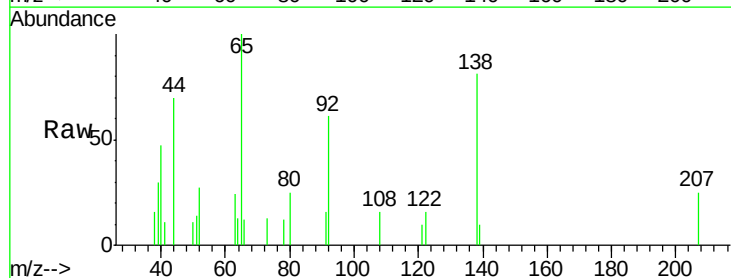
Tgt Ion: 65 Resp: 5458

Ion Ratio Lower Upper

65 100

92 60.7 54.9 82.3

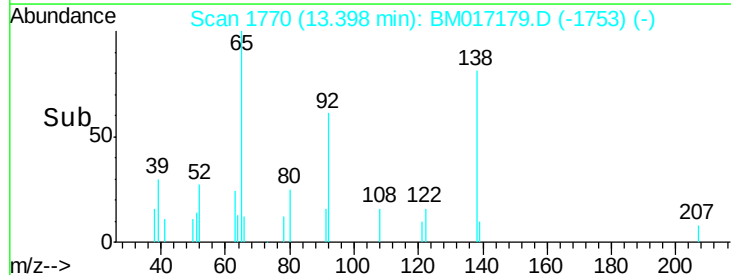
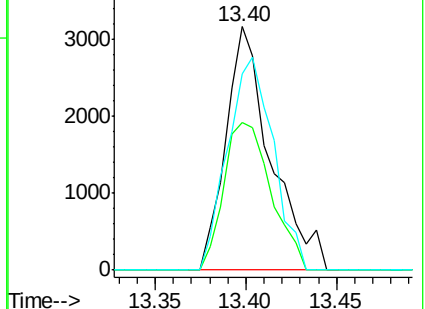
138 80.6 83.7 125.5#

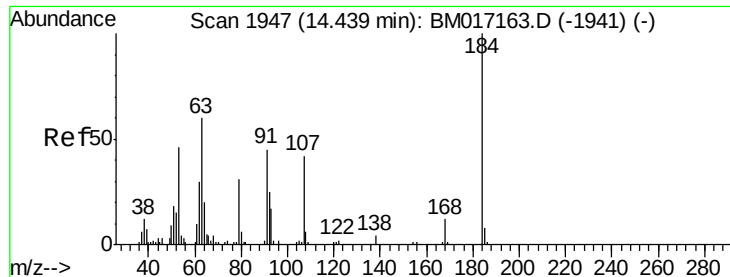


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E

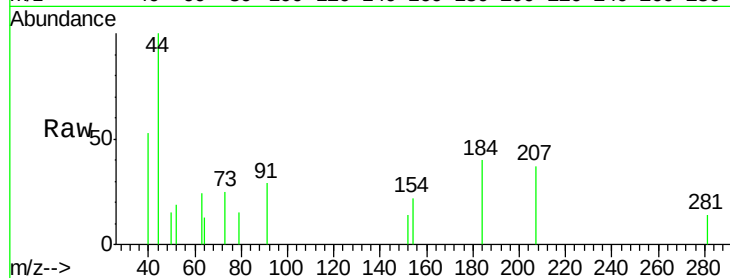




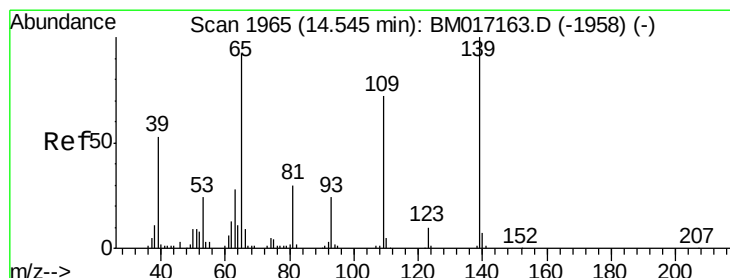
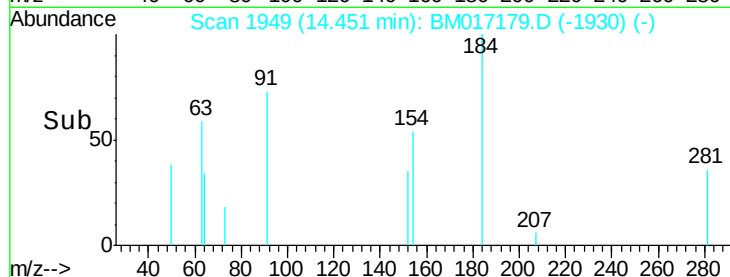
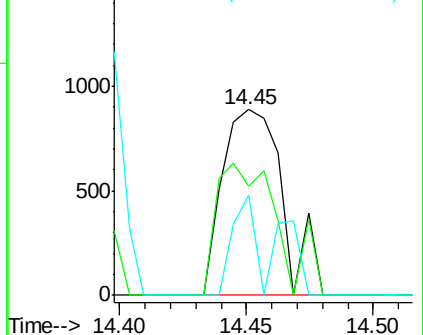
#54
 2,4-Dinitrophenol
 Concen: 8.496 ng
 RT: 14.45 min Scan# 1949
 Delta R.T. 0.01 min
 Lab File: BM017179.D
 Acq: 18 Oct 2018 05:34

Instrument :
 BNA_M
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 MDL-WATER-03-QT4-2018

Tgt Ion:184 Resp: 1466
 Ion Ratio Lower Upper
 184 100
 63 59.2 51.2 76.8
 154 54.2 47.8 71.8

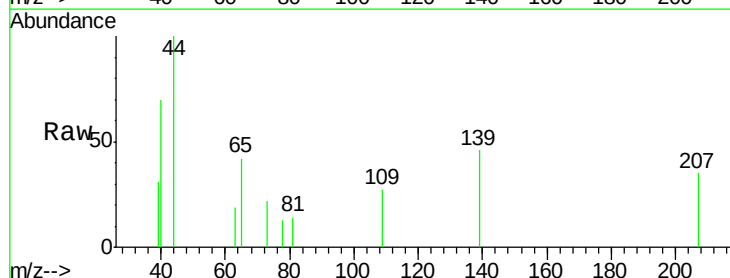


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BM017163.D (-1941) (-)
 Ion 154.00 (153.70 to 154.70): E

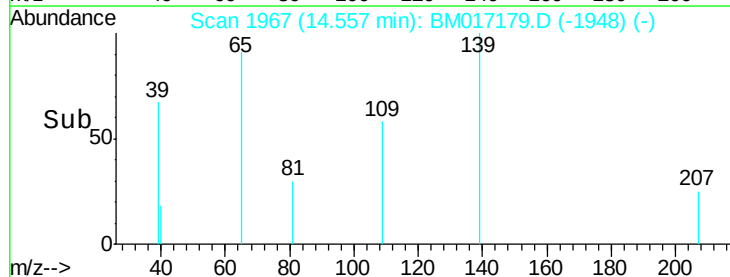
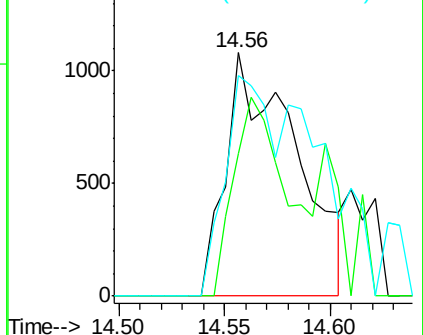


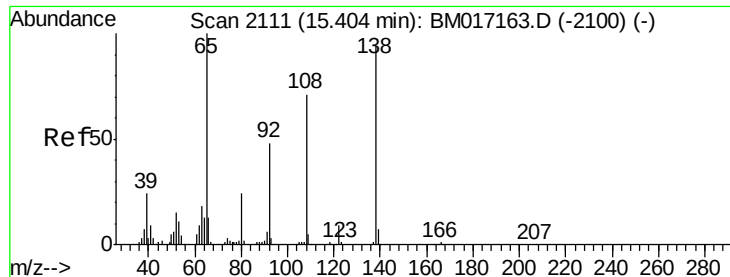
#56
 4-Nitrophenol
 Concen: 5.000 ng
 RT: 14.56 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: BM017179.D
 Acq: 18 Oct 2018 05:34

Tgt Ion:139 Resp: 2475
 Ion Ratio Lower Upper
 139 100
 109 58.5 51.8 91.8
 65 90.8 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): BM017163.D (-1958) (-)

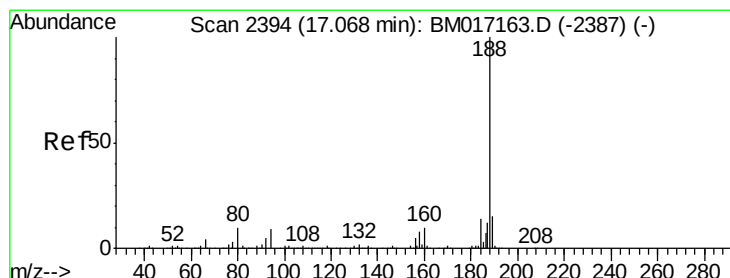
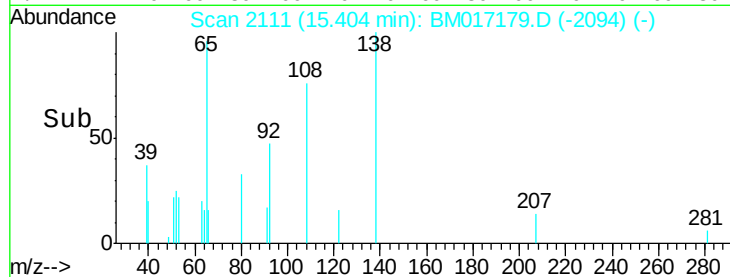
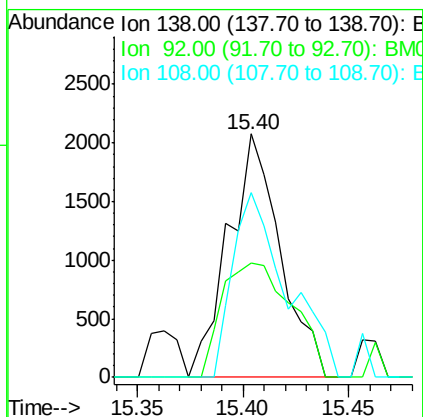
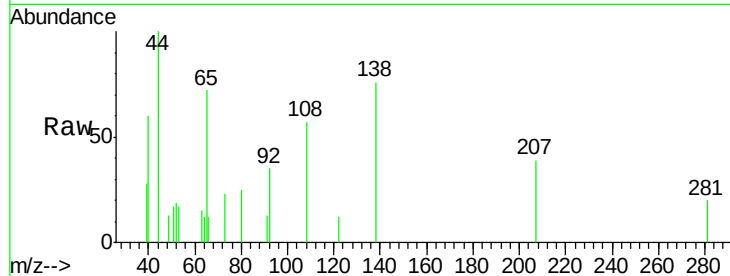




#62
4-Nitroaniline
Concen: 5.072 ng
RT: 15.40 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BM017179.D
Acq: 18 Oct 2018 05:34

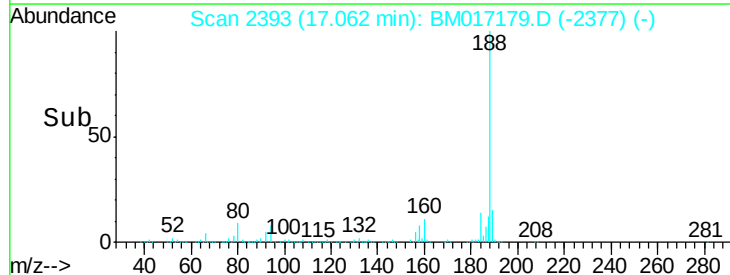
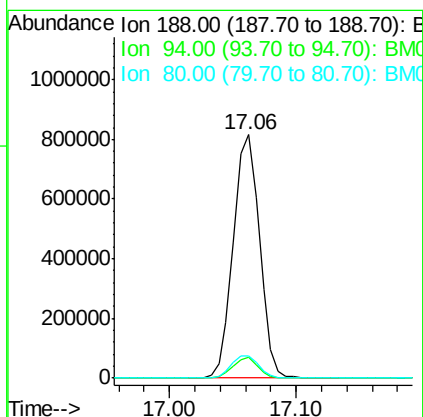
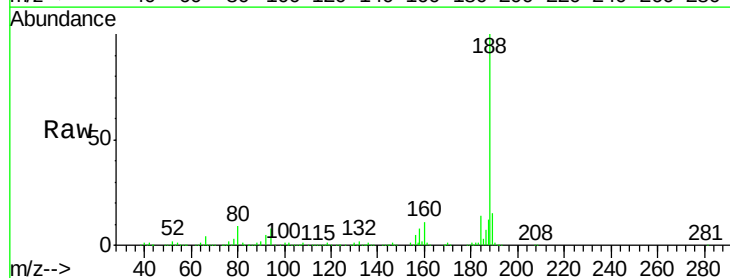
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT4-2018

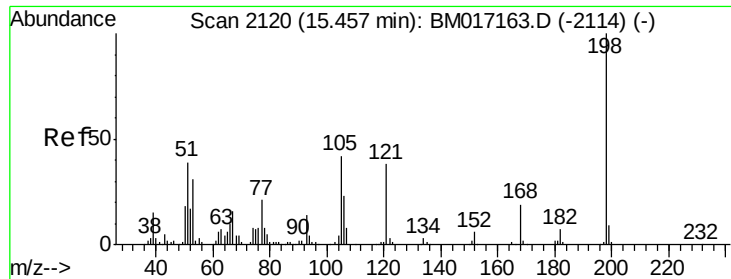
Tgt Ion:138 Resp: 3542
Ion Ratio Lower Upper
138 100
92 46.9 31.2 71.2
108 76.0 55.5 95.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM017179.D
Acq: 18 Oct 2018 05:34

Tgt Ion:188 Resp: 1170303
Ion Ratio Lower Upper
188 100
94 8.3 7.0 10.4
80 9.3 7.7 11.5

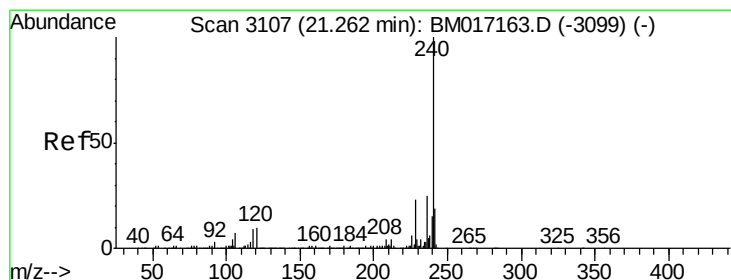
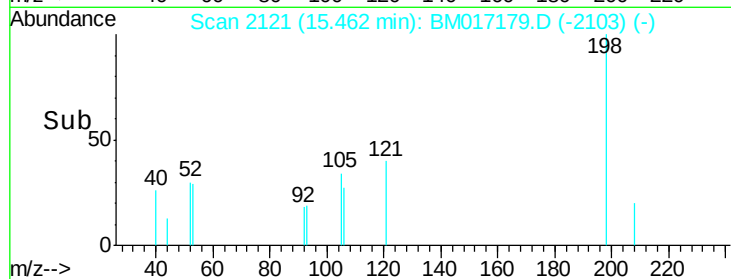
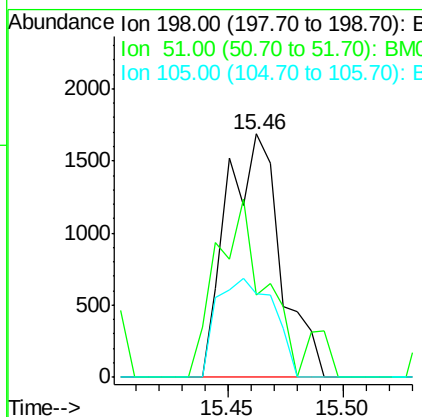
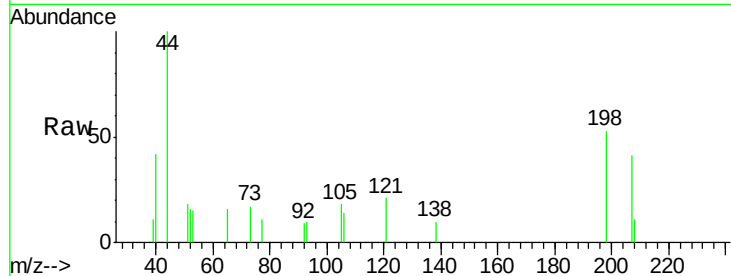




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.314 ng
 RT: 15.46 min Scan# 2121
 Delta R.T. 0.01 min
 Lab File: BM017179.D
 Acq: 18 Oct 2018 05:34

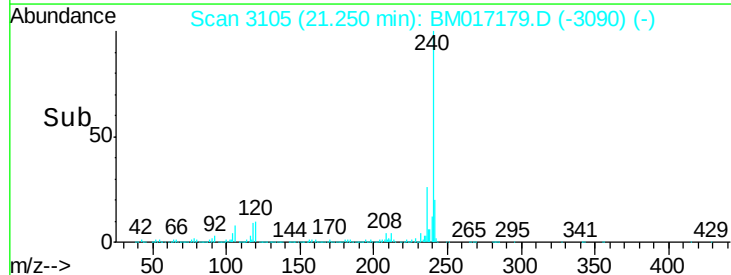
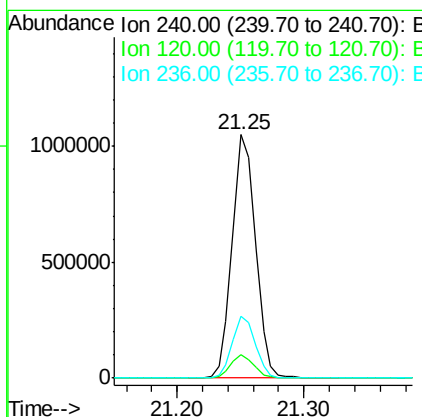
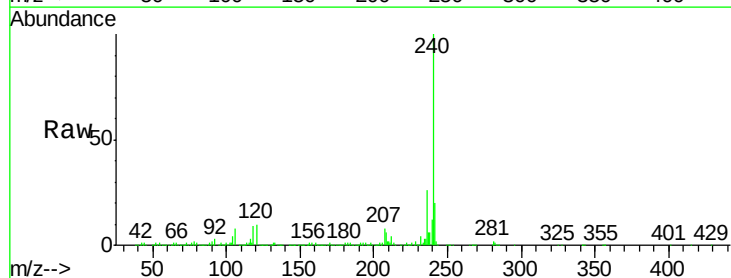
Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT4-2018

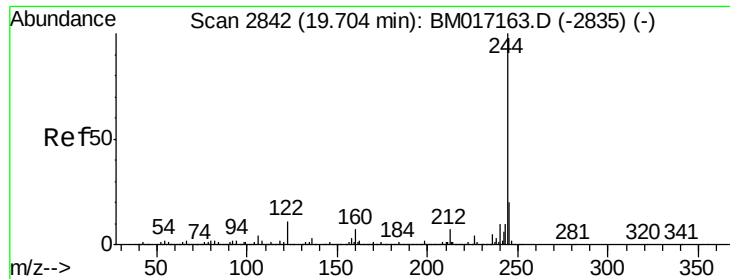
Tgt Ion:198 Resp: 2745
 Ion Ratio Lower Upper
 198 100
 51 33.6 20.3 60.3
 105 34.2 21.9 61.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.25 min Scan# 3105
 Delta R.T. -0.01 min
 Lab File: BM017179.D
 Acq: 18 Oct 2018 05:34

Tgt Ion:240 Resp: 1342444
 Ion Ratio Lower Upper
 240 100
 120 9.7 8.1 12.1
 236 25.5 19.9 29.9





#79

Terphenyl-d14

Concen: 77.413 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT4-2018

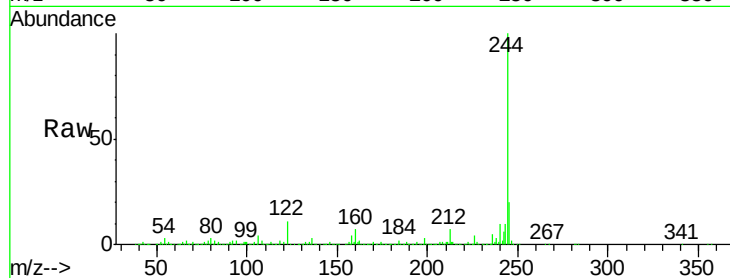
Tgt Ion:244 Resp: 4610556

Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

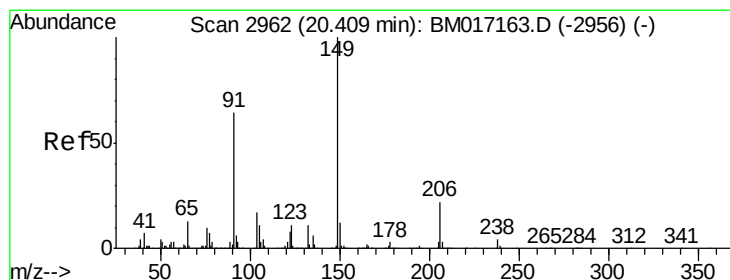
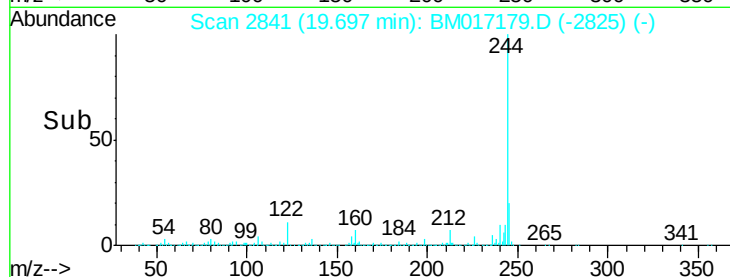
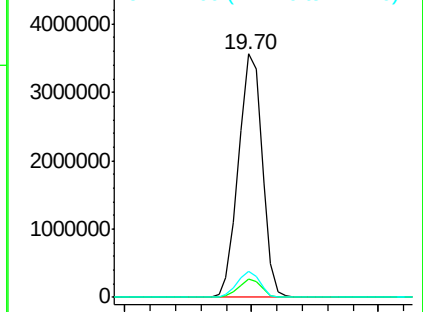
122 10.6 8.4 12.6



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: 7.693 ng

RT: 20.40 min Scan# 2961

Delta R.T. -0.01 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

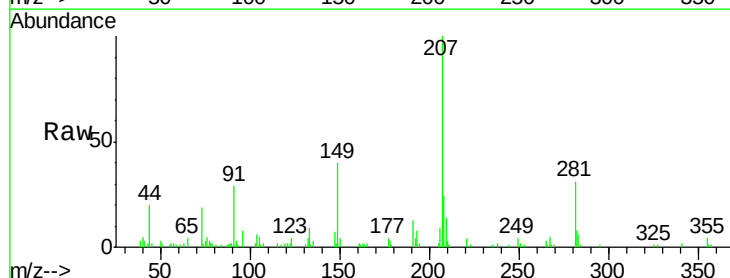
Tgt Ion:149 Resp: 17349

Ion Ratio Lower Upper

149 100

91 71.8 51.3 76.9

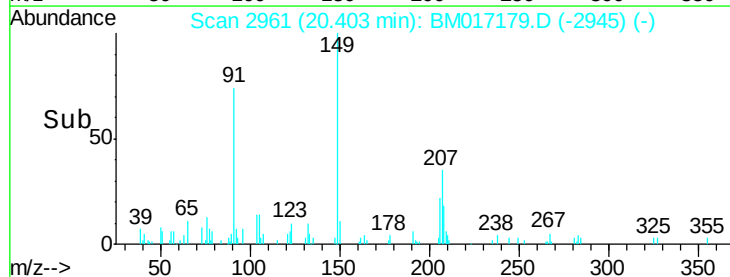
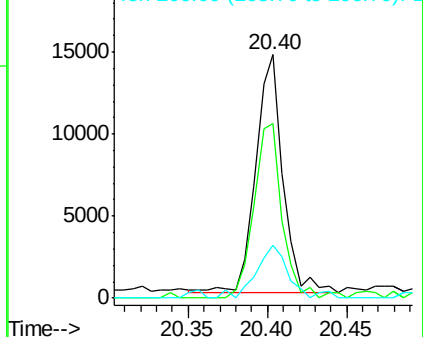
206 21.7 18.0 27.0

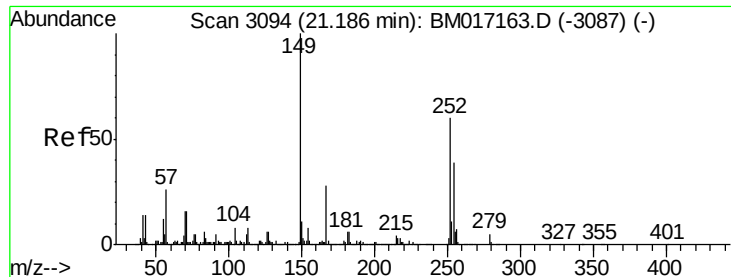


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.830 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT4-2018

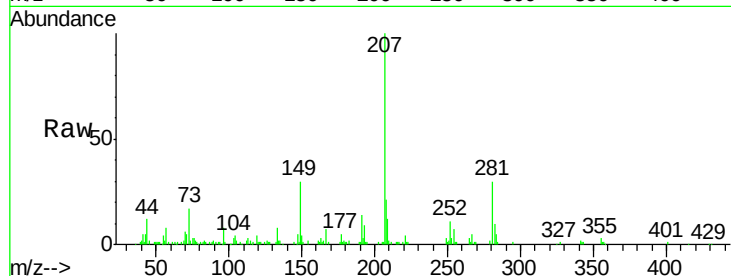
Tgt Ion:149 Resp: 25630

Ion Ratio Lower Upper

149 100

167 25.1 22.2 33.4

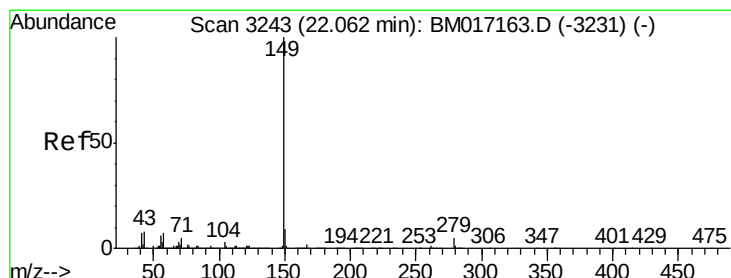
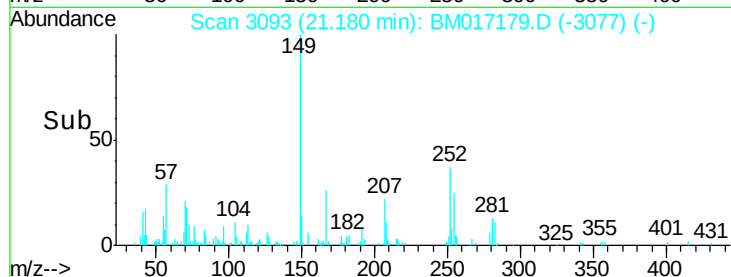
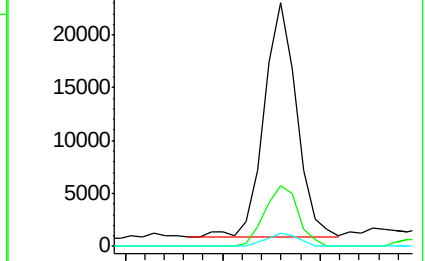
279 5.3 3.6 5.4



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: 6.086 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM017179.D

Acq: 18 Oct 2018 05:34

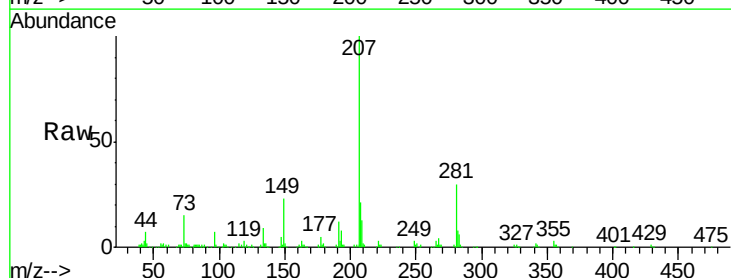
Tgt Ion:149 Resp: 43058

Ion Ratio Lower Upper

149 100

167 3.0 1.4 2.0#

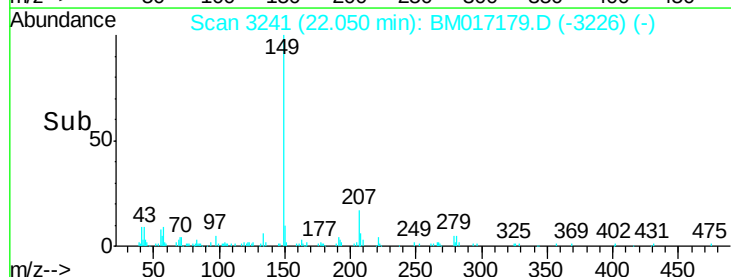
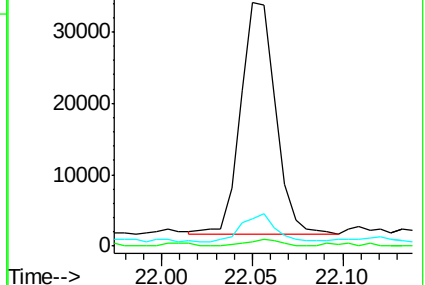
43 12.1 7.2 10.8#

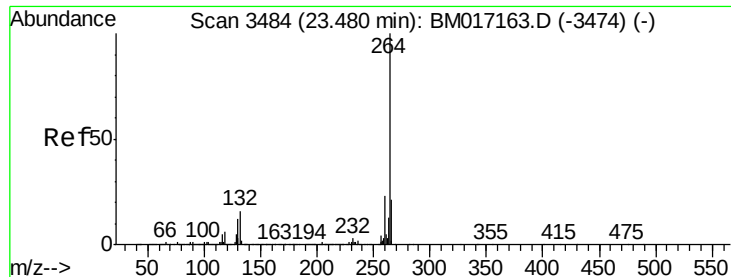


Abundance Ion 149.00 (148.70 to 149.70): E

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: BM017179.D
Acq: 18 Oct 2018 05:34

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

Tgt Ion: 264 Resp: 1350063

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	21.7	17.8	26.8

