

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016041.D
 Acq On : 24 Jul 2018 00:31
 Operator : SJ/JU
 Sample : J3762-07
 Misc : LOD 1 PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 24 08:11:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	37563	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	136136	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	71831	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	156950	20.00	ng	0.00
75) Chrysene-d12	21.70	240	172639	20.00	ng	0.00
86) Perylene-d12	24.07	264	186911	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.74	112	277393	122.67	ng	0.00
7) Phenol-d6	7.38	99	341945	115.79	ng	0.00
23) Nitrobenzene-d5	9.42	82	265348	90.66	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	119696	131.38	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	536171	90.82	ng	0.00
78) Terphenyl-d14	20.15	244	1035354	125.54	ng	0.00

Target Compounds

						Qvalue
6) Aniline	7.56	93	1071	0.315	ng	# 76
8) 2-Chlorophenol	7.79	128	2144	0.798	ng	# 78
9) Benzaldehyde	7.42	77	1738	0.838	ng	# 86
10) Phenol	7.41	94	2225	0.753	ng	# 1
11) bis(2-Chloroethyl)ether	7.67	93	1348	0.578	ng	# 79
12) 1,3-Dichlorobenzene	8.13	146	2214	0.704	ng	# 78
13) 1,4-Dichlorobenzene	8.28	146	2668	0.836	ng	# 77
14) 1,2-Dichlorobenzene	8.59	146	2178	0.698	ng	# 78
15) Benzyl Alcohol	8.55	79	5026	2.137	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	8.76	45	2704	0.757	ng	# 68
18) Hexachloroethane	9.30	117	902	0.654	ng	# 81
24) Nitrobenzene	9.46	77	2416	0.820	ng	# 83
31) Naphthalene	11.12	128	6652	0.965	ng	# 85
34) Hexachlorobutadiene	11.36	225	1389	0.809	ng	# 85
37) 2-Methylnaphthalene	12.71	142	3954	0.857	ng	# 84
39) 1,2,4,5-Tetrachlorobenzene	13.07	216	1738	0.711	ng	# 100
45) 1,1'-Biphenyl	13.70	154	6310	0.973	ng	# 97
46) 2-Chloronaphthalene	13.76	162	4027	0.799	ng	# 94
48) Acenaphthylene	14.59	152	5356	0.726	ng	# 89
49) Dimethylphthalate	14.31	163	5088	0.809	ng	# 94
50) 2,6-Dinitrotoluene	14.45	165	415	0.328	ng	# 25
51) Acenaphthene	14.92	154	4208	0.927	ng	# 89
54) Dibenzofuran	15.26	168	6281	0.840	ng	# 76
57) Fluorene	15.90	166	5034	0.906	ng	# 81
58) 2,3,4,6-Tetrachlorophenol	15.49	232	835	0.616	ng	# 100
59) Diethylphthalate	15.65	149	5182	0.765	ng	# 92
62) Azobenzene	16.17	77	4323	0.606	ng	# 74
65) n-Nitrosodiphenylamine	16.10	169	3853	0.746	ng	# 89
66) 4-Bromophenyl-phenylether	16.78	248	1217	0.685	ng	# 79
67) Hexachlorobenzene	16.90	284	1418	0.725	ng	# 84
68) Atrazine	17.04	200	1139	0.615	ng	# 70
70) Phenanthrene	17.63	178	8680	0.988	ng	# 99
71) Anthracene	17.73	178	7419	0.869	ng	# 95
72) Carbazole	18.00	167	5477	0.619	ng	# 92

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016041.D
 Acq On : 24 Jul 2018 00:31
 Operator : SJ/JU
 Sample : J3762-07
 Misc : LOD 1 PPM
 ALS Vial : 14 Sample Multiplier: 1

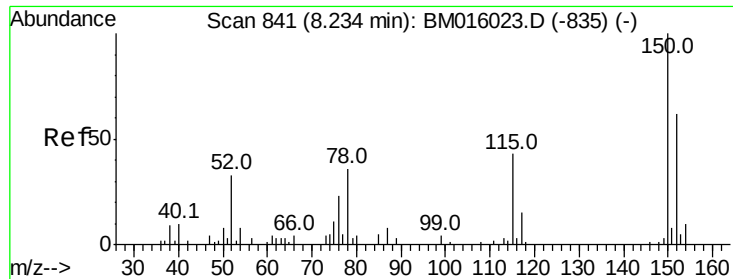
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 24 08:11:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

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

73) Di-n-butylphthalate	18.51	149	7128	0.647	nq	# 93
74) Fluoranthene	19.62	202	8298	0.847	nq	95
77) Pyrene	19.98	202	8388	0.811	nq	# 93
79) Butylbenzylphthalate	20.83	149	4372	0.832	nq	# 80
80) Benzo(a)anthracene	21.69	228	10053	0.945	nq	95
82) Chrysene	21.74	228	9392	0.921	nq	97
83) Bis(2-ethylhexyl)phthalate	21.57	149	5183	0.680	nq	# 89
84) Di-n-octyl phthalate	22.48	149	9513	0.743	nq	# 81
85) Indeno(1,2,3-cd)pyrene	26.51	276	11776	0.973	nq	97
87) Benzo(b)fluoranthene	23.36	252	11118	1.010	nq	# 89
88) Benzo(k)fluoranthene	23.40	252	10718	0.961	nq	# 84
89) Benzo(a)pyrene	23.97	252	10686	1.010	nq	# 89
90) Dibenzo(a,h)anthracene	26.51	278	10322	0.942	nq	92
91) Benzo(q,h,i)perylene	27.27	276	9989	0.964	nq	95

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

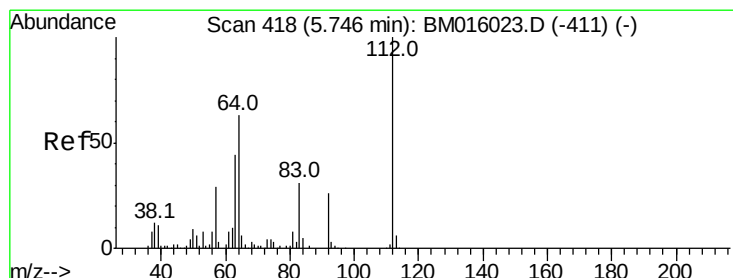
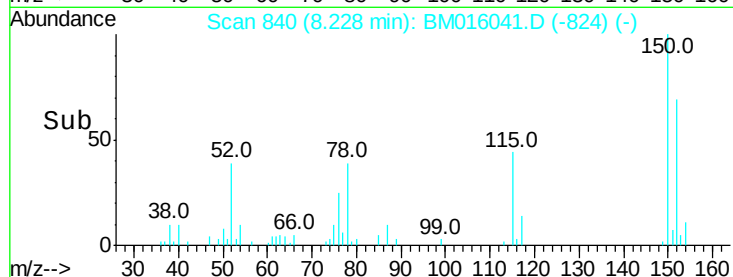
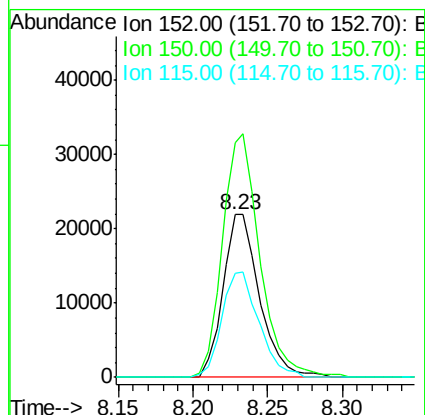
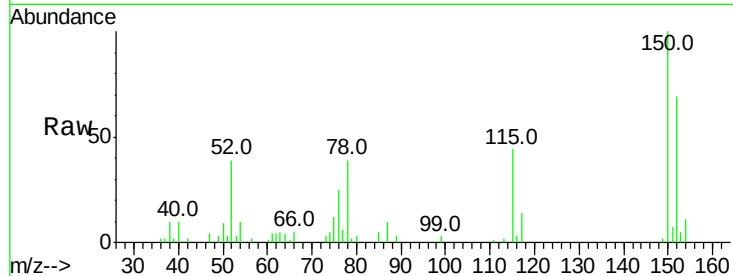


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 840
Delta R.T. -0.01 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

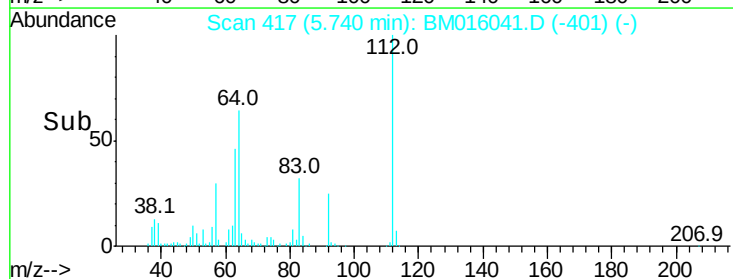
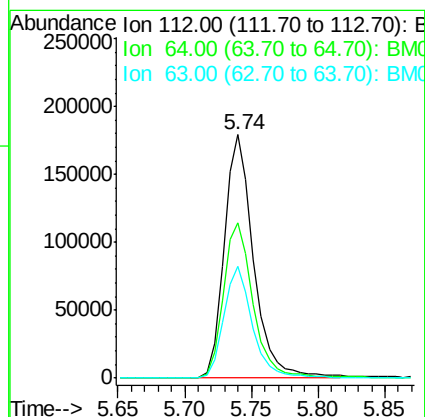
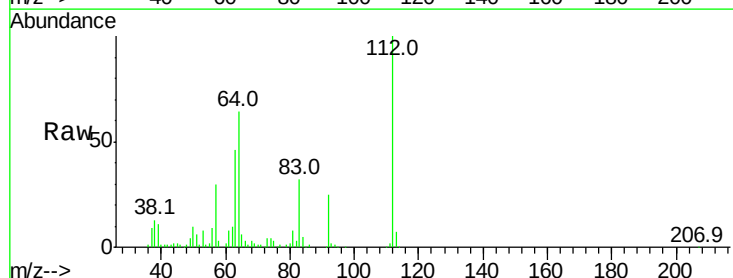
Tot Ion:152 Resp: 37563
Ion Ratio Lower Upper
152 100
150 144.3 119.5 179.3
115 64.0 43.0 64.4

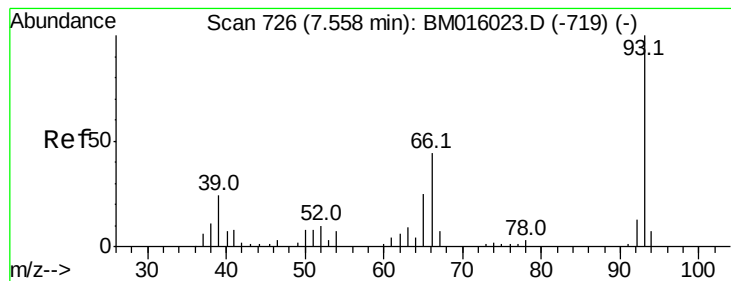


#5

2-Fluorophenol
Concen: N.D. ng
RT: 5.74 min Scan# 417
Delta R.T. -0.01 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

Tgt Ion:112 Resp: 277393
Ion Ratio Lower Upper
112 100
64 63.8 38.6 57.8#
63 46.0 19.3 28.9#





#6

Aniline

Concen: 0.315 ng

RT: 7.56 min Scan# 727

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

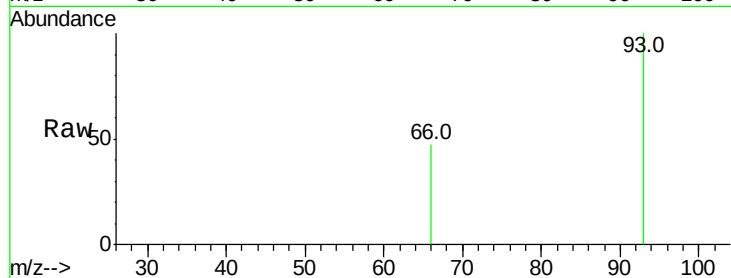
Tot Ion: 93 Resp: 1071

Ion Ratio Lower Upper

93 100

66 46.6 30.8 46.2#

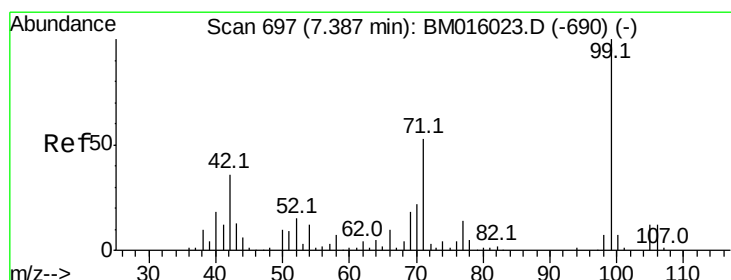
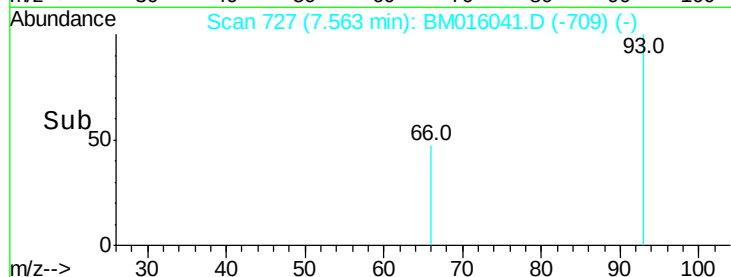
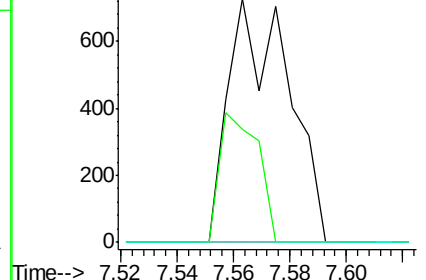
65 0.0 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BM016023.D (-719) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-719) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-719) (-)



#7

Phenol-d6

Concen: 0.315 ng

RT: 7.38 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

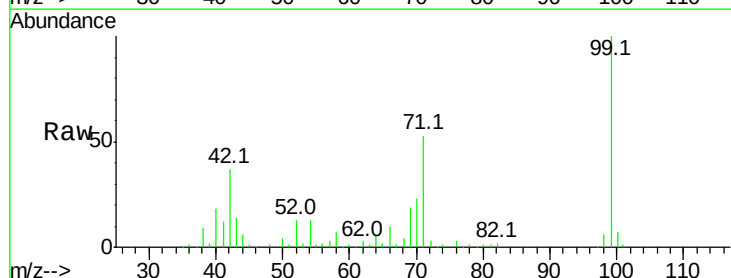
Tgt Ion: 99 Resp: 341945

Ion Ratio Lower Upper

99 100

42 37.4 11.0 16.4#

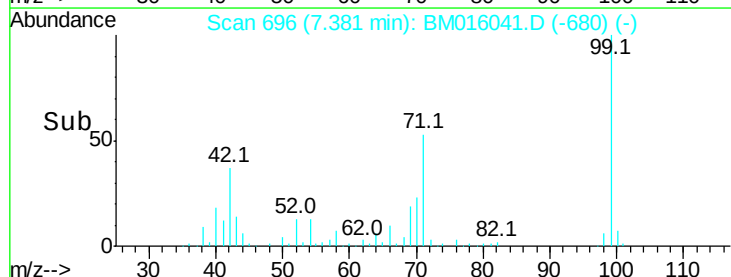
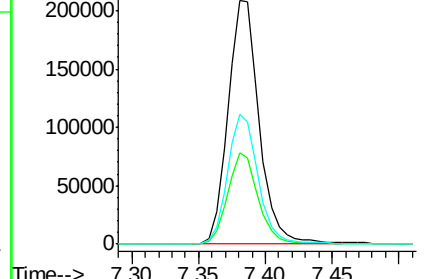
71 53.0 23.4 35.2#

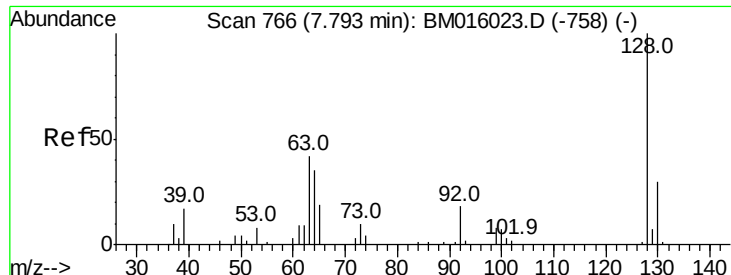


Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)





#8

2-Chlorophenol

Concen: 0.798 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

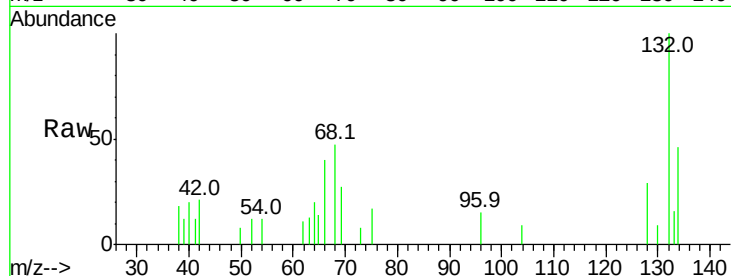
Tot Ion:128 Resp: 2144

Ion Ratio Lower Upper

128 100

130 30.9 12.0 52.0

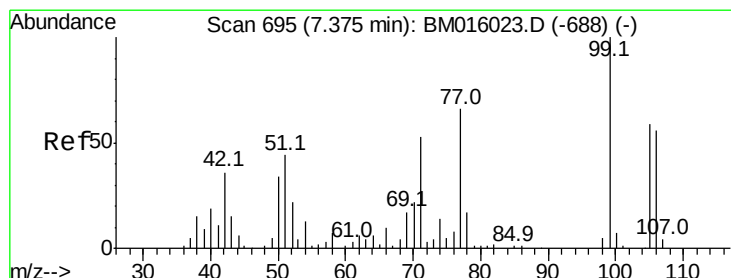
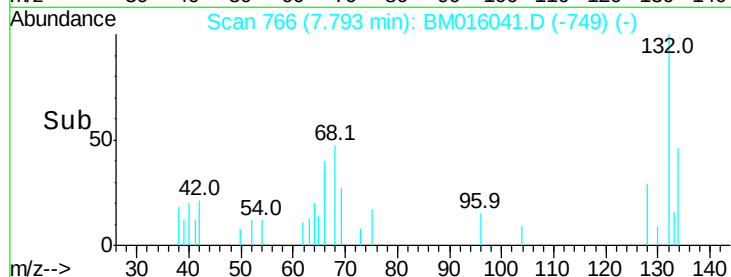
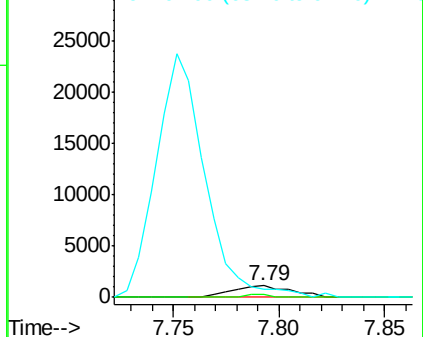
64 68.2 24.9 64.9#



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: 0.838 ng

RT: 7.42 min Scan# 703

Delta R.T. 0.05 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

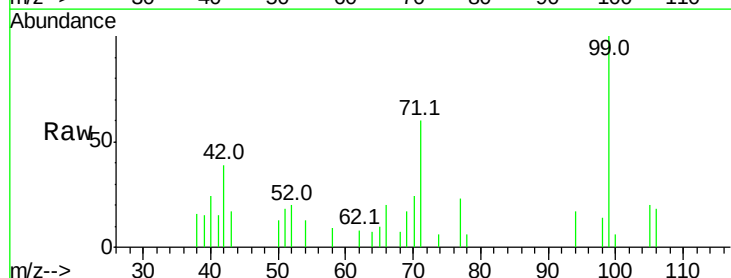
Tgt Ion: 77 Resp: 1738

Ion Ratio Lower Upper

77 100

105 87.2 78.8 118.8

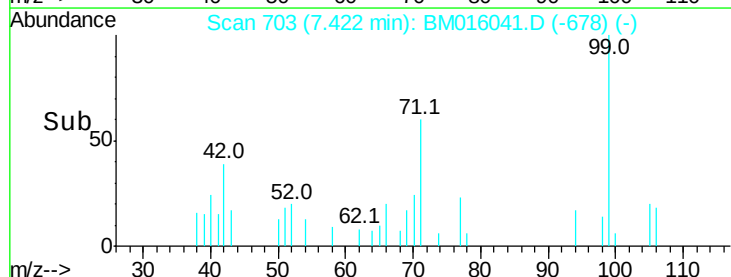
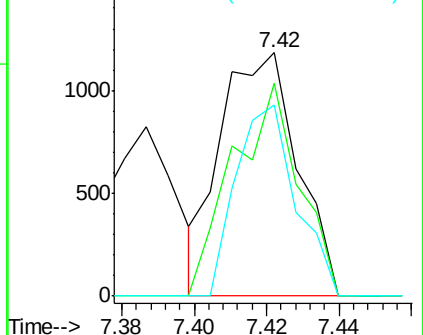
106 78.6 73.7 113.7

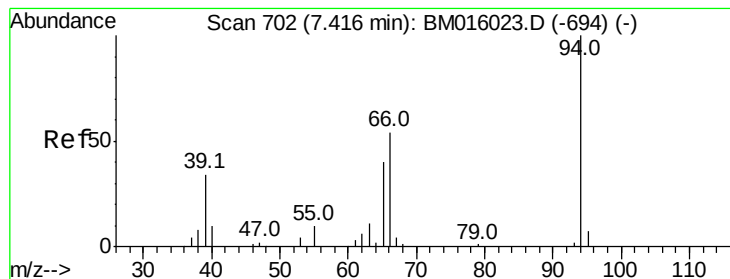


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.753 ng

RT: 7.41 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

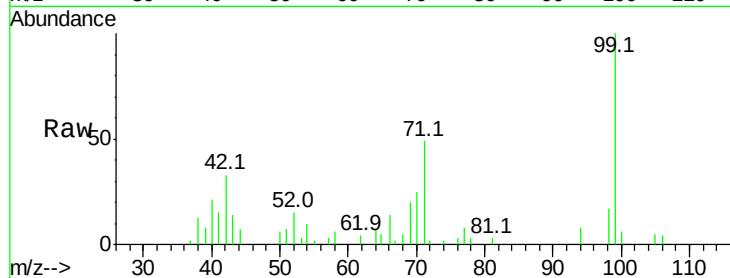
Tot Ion: 94 Resp: 2225

Ion Ratio Lower Upper

94 100

65 63.0 18.8 58.8#

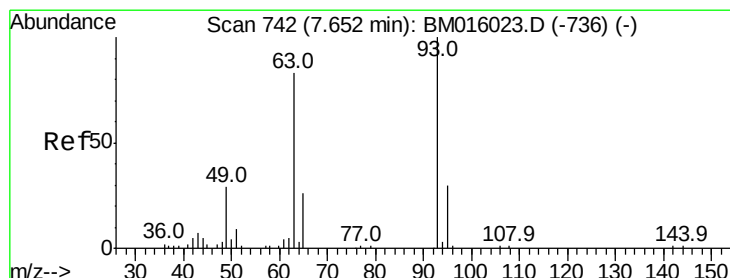
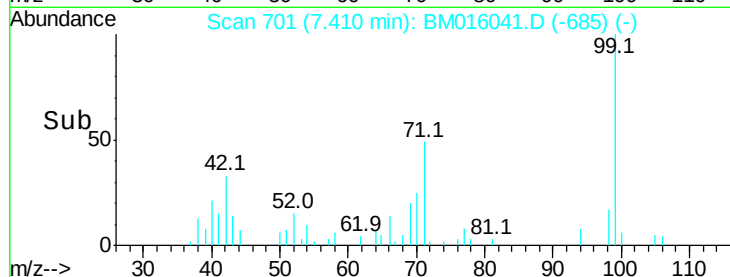
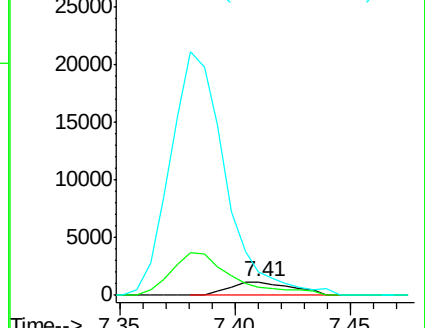
66 173.7 39.9 79.9#



Abundance Ion 94.00 (93.70 to 94.70): BM016023.D (-694) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-694) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-694) (-)



#11

bis(2-Chloroethyl)ether

Concen: 0.578 ng

RT: 7.67 min Scan# 745

Delta R.T. 0.02 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

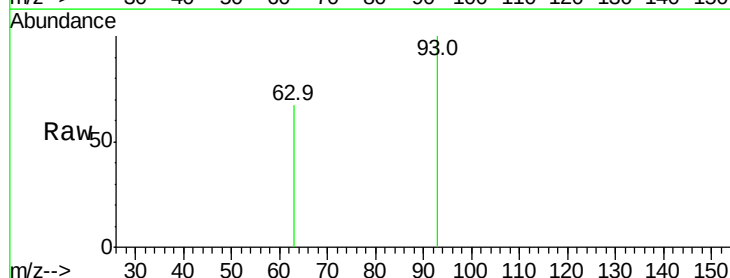
Tgt Ion: 93 Resp: 1348

Ion Ratio Lower Upper

93 100

63 66.7 49.5 89.5

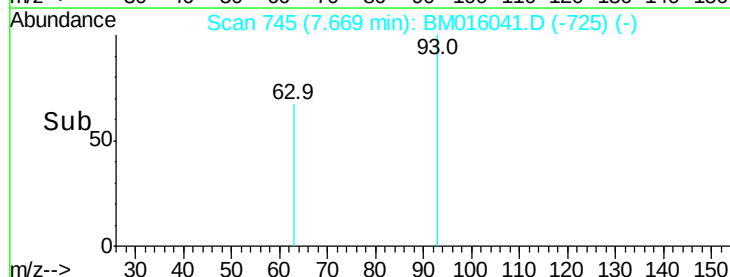
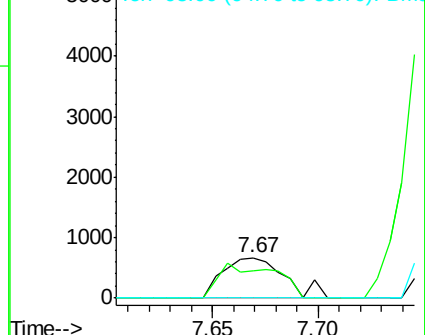
95 0.0 13.5 53.5#

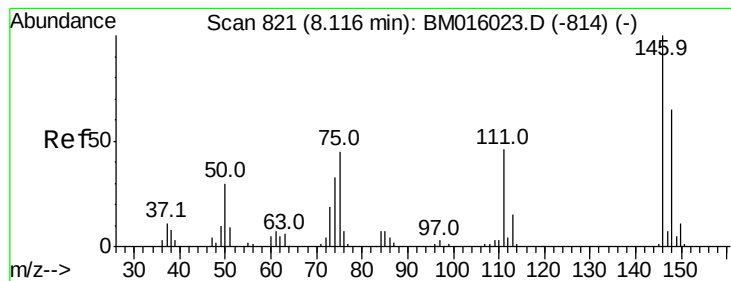


Abundance Ion 93.00 (92.70 to 93.70): BM016023.D (-736) (-)

Ion 63.00 (62.70 to 63.70): BM016023.D (-736) (-)

Ion 95.00 (94.70 to 95.70): BM016023.D (-736) (-)





#12

1,3-Dichlorobenzene

Concen: 0.704 ng

RT: 8.13 min Scan# 823

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

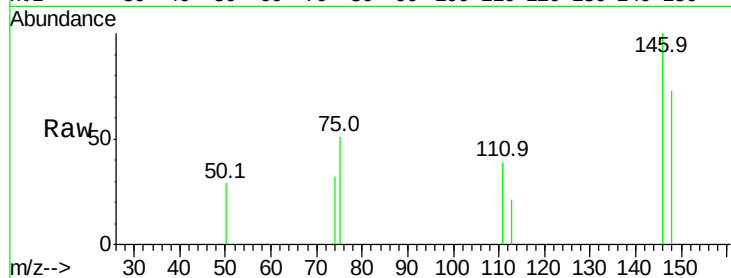
Tot Ion:146 Resp: 2214

Ion Ratio Lower Upper

146 100

148 73.0 50.9 76.3

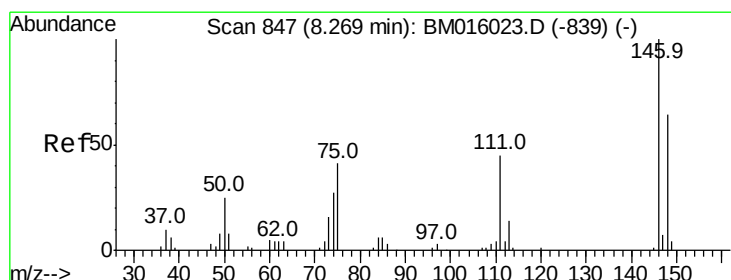
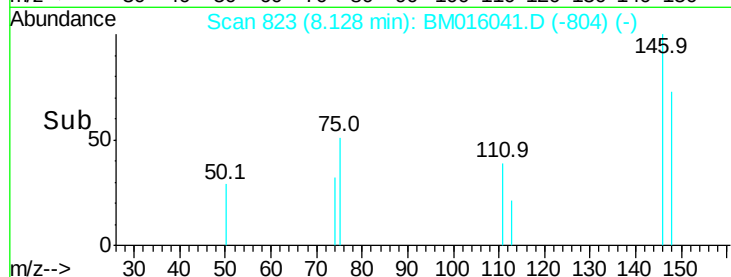
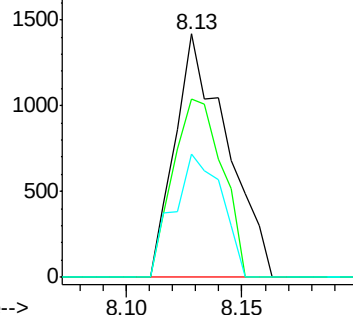
75 50.6 21.4 32.2#



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): BM



#13

1,4-Dichlorobenzene

Concen: 0.836 ng

RT: 8.28 min Scan# 849

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

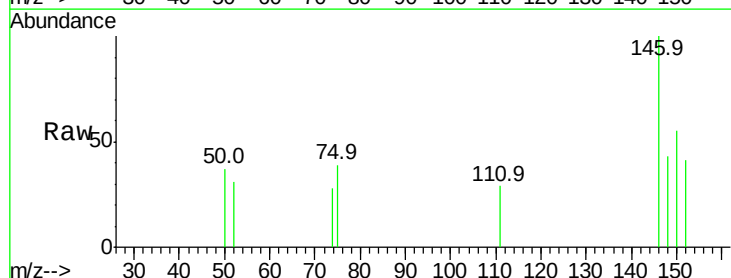
Tgt Ion:146 Resp: 2668

Ion Ratio Lower Upper

146 100

148 42.6 51.9 77.9#

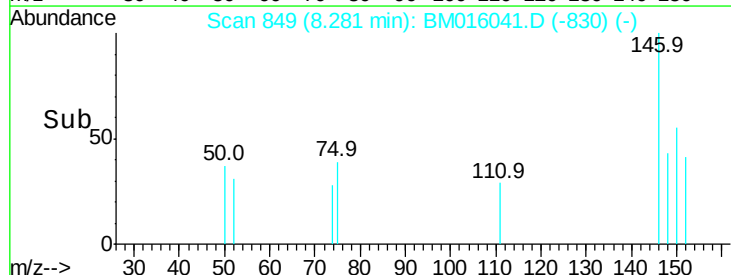
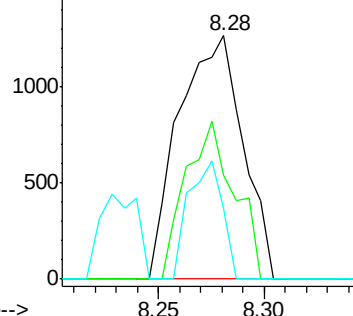
111 29.0 29.2 43.8#

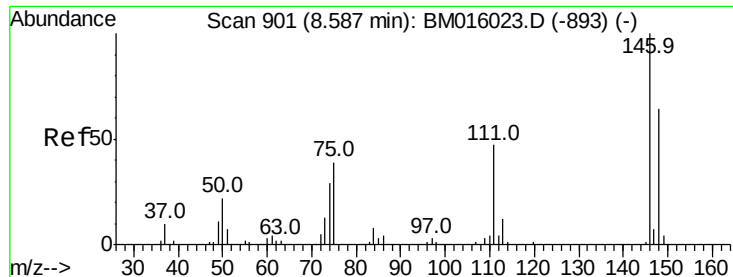


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

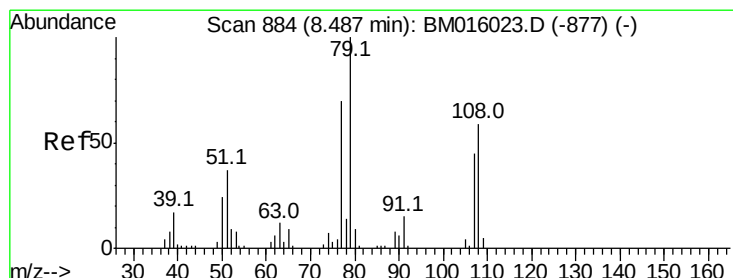
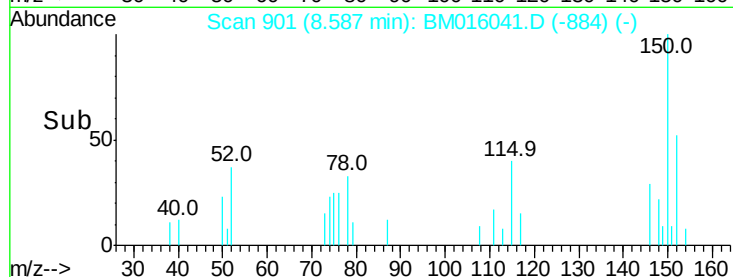
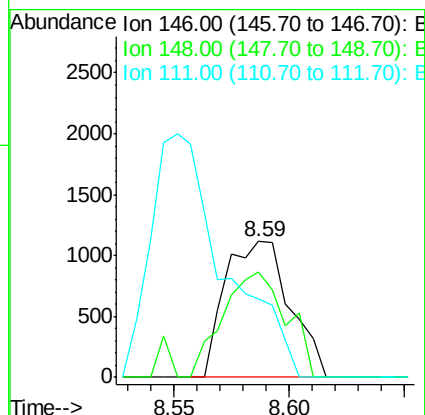
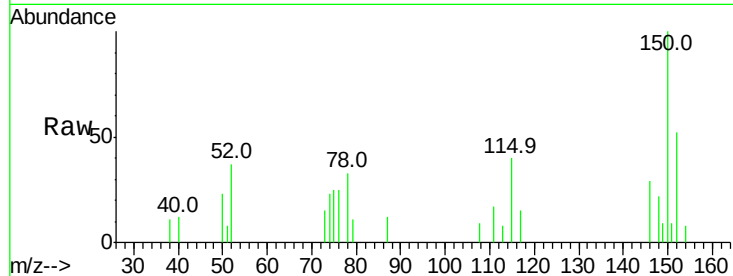




#14
 1,2-Dichlorobenzene
 Concen: 0.698 ng
 RT: 8.59 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

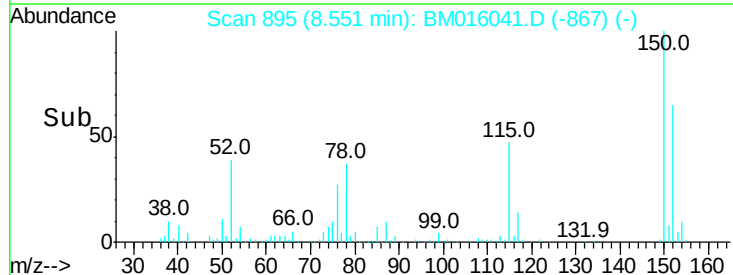
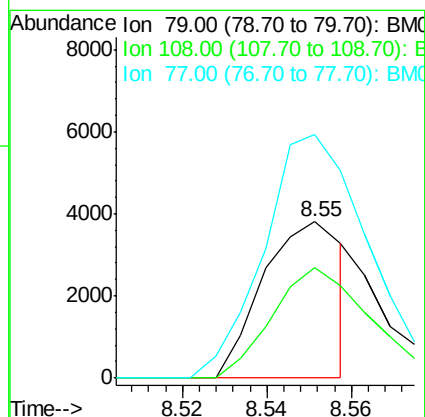
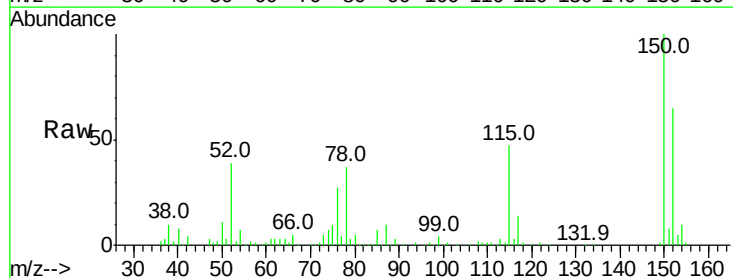
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

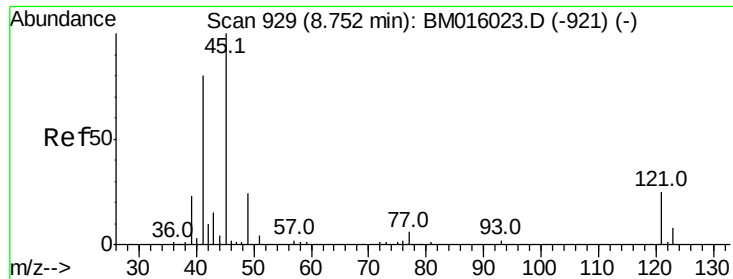
Tot Ion:146 Resp: 2178
 Ion Ratio Lower Upper
 146 100
 148 77.4 52.3 78.5
 111 58.3 30.6 45.8#



#15
 Benzyl Alcohol
 Concen: 2.137 ng
 RT: 8.55 min Scan# 895
 Delta R.T. 0.06 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Tgt Ion: 79 Resp: 5026
 Ion Ratio Lower Upper
 79 100
 108 71.1 65.0 97.4
 77 156.0 53.0 79.6#

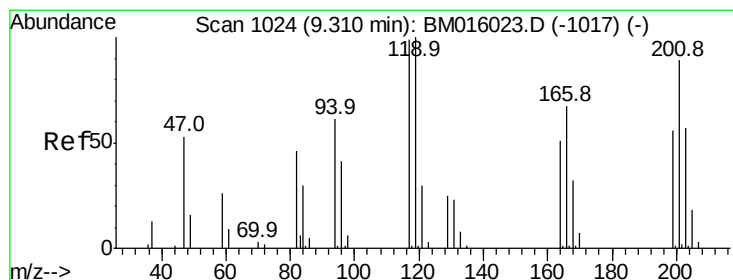
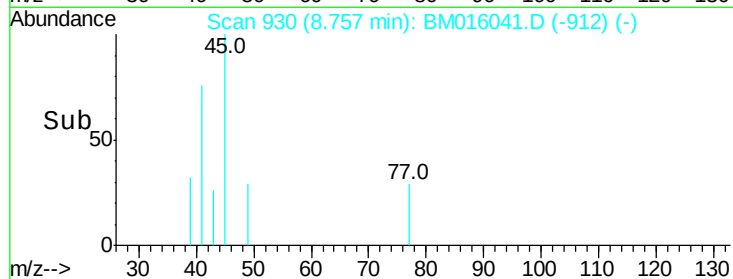
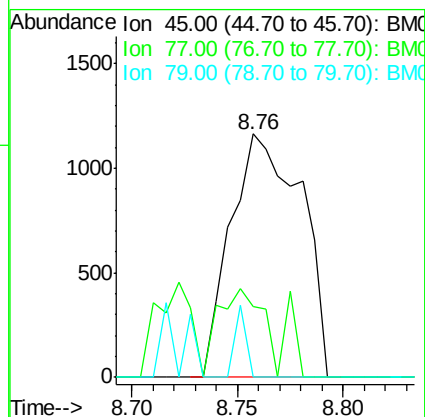
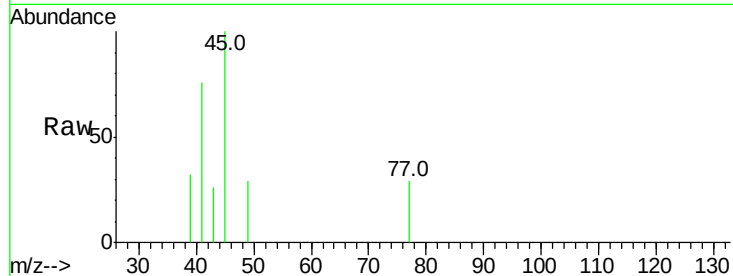




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.757 ng
RT: 8.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

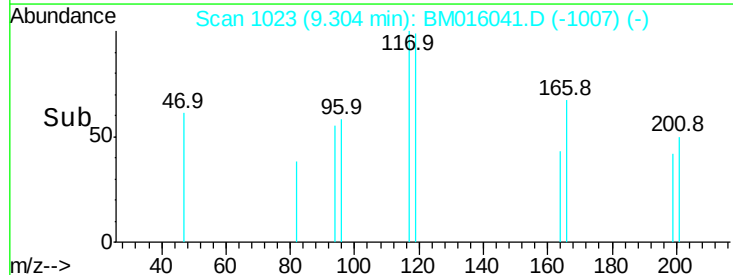
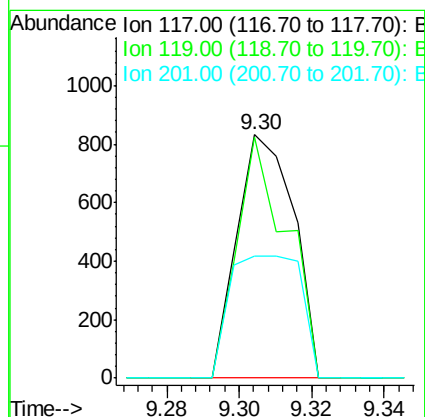
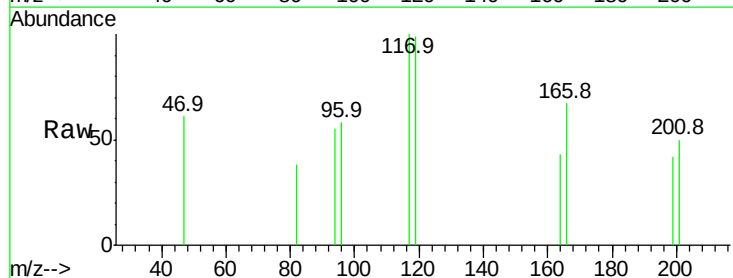
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

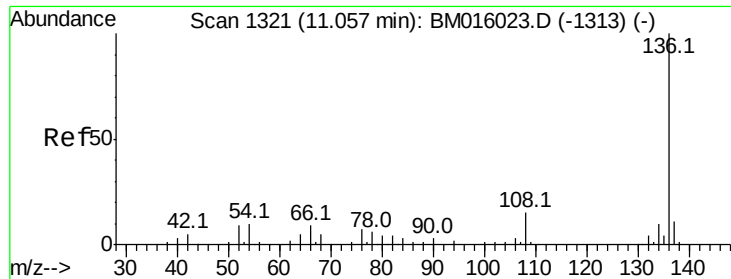
Tot Ion: 45 Resp: 2704
Ion Ratio Lower Upper
45 100
77 29.3 0.0 35.2
79 0.0 0.0 32.0



#18
Hexachloroethane
Concen: 0.654 ng
RT: 9.30 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

Tgt Ion: 117 Resp: 902
Ion Ratio Lower Upper
117 100
119 99.0 79.2 118.8
201 50.2 69.8 104.6#

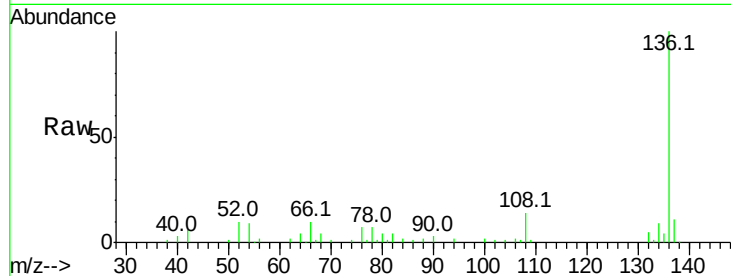




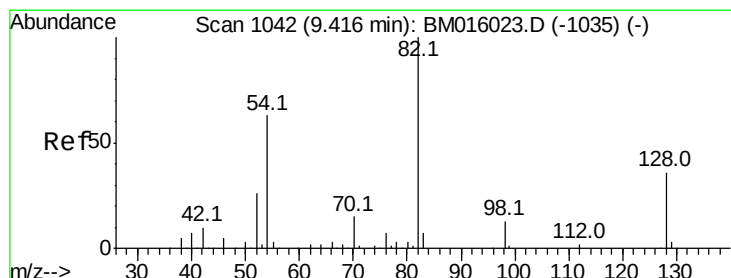
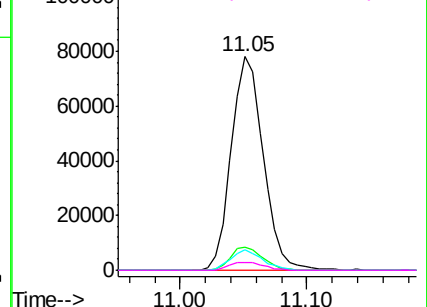
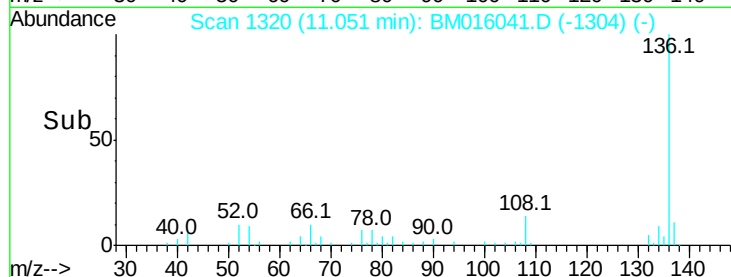
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:	136	Resp:	136136
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.4	4.6	6.8#
68	3.7	3.7	5.5

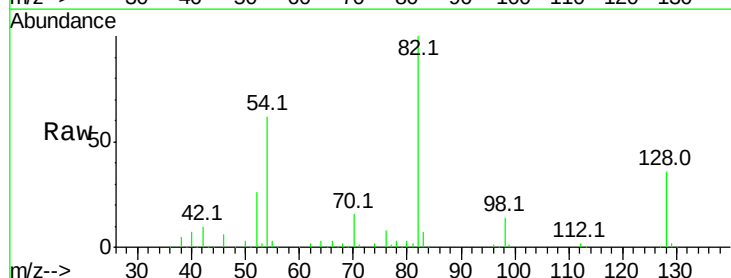


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

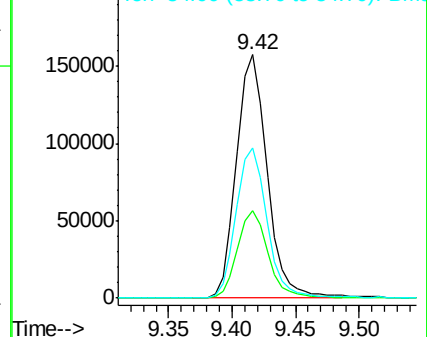
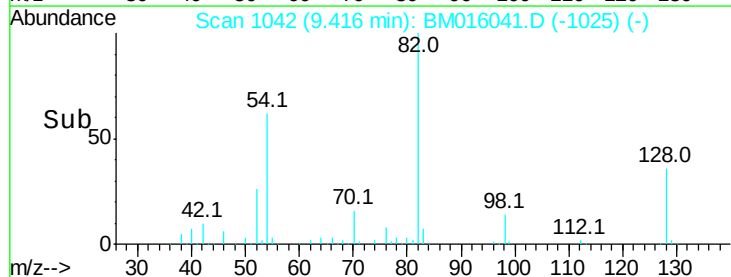


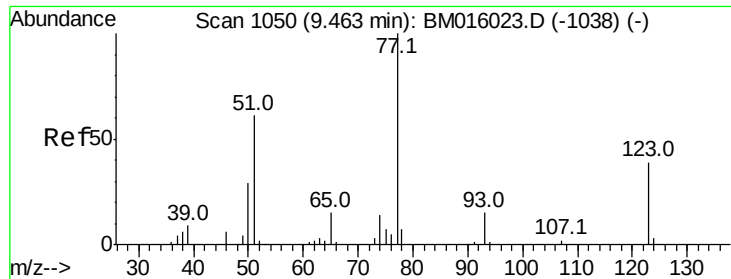
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.42 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

Tgt Ion:	82	Resp:	265348
Ion	Ratio	Lower	Upper
82	100		
128	36.0	32.8	49.2
54	61.9	40.6	60.8#



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

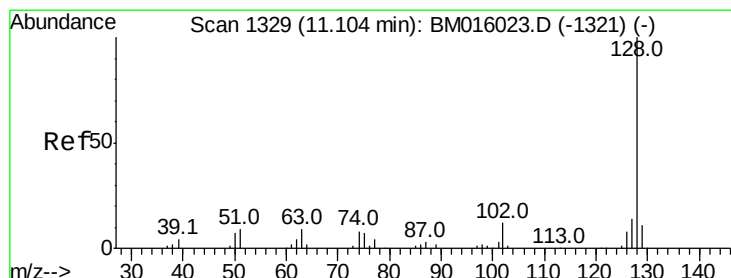
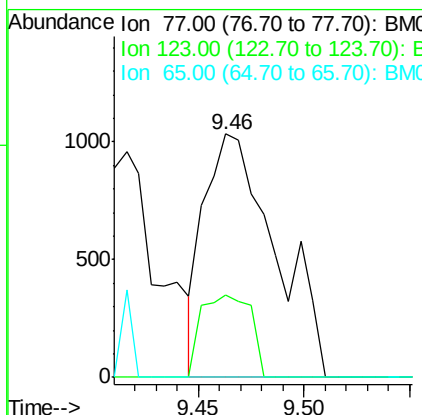
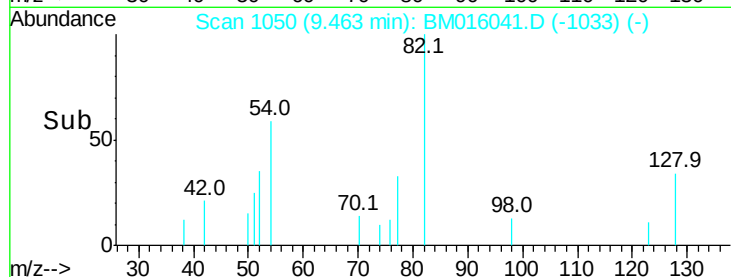
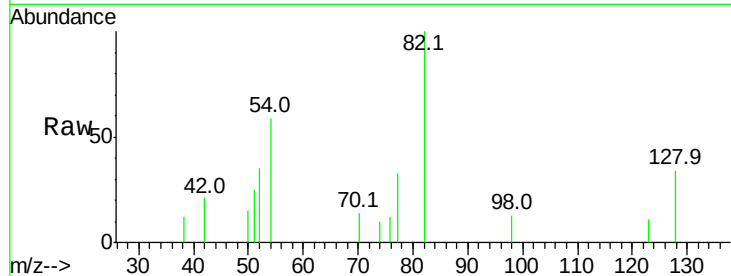




#24
 Nitrobenzene
 Concen: 0.820 ng
 RT: 9.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

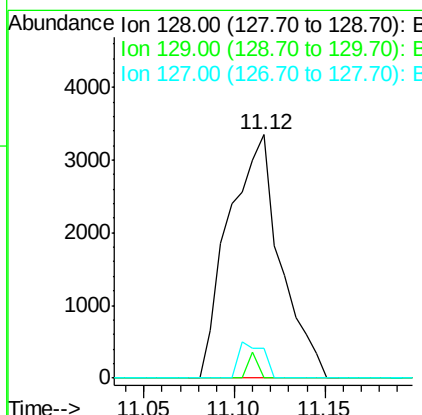
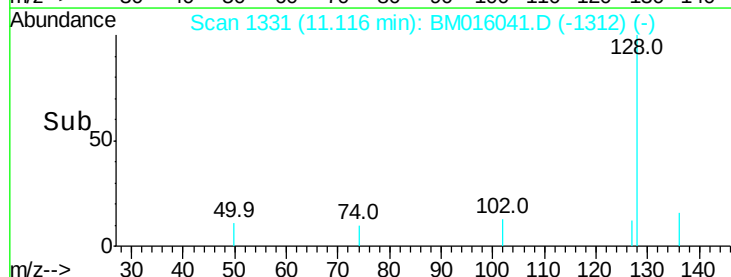
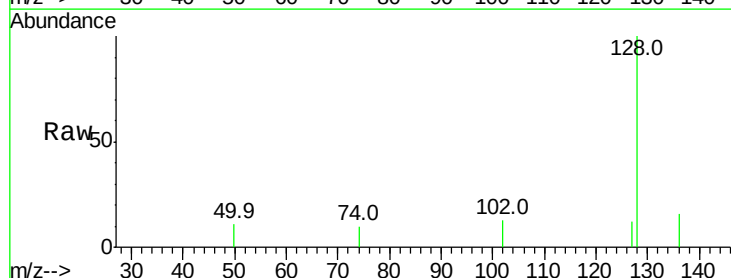
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

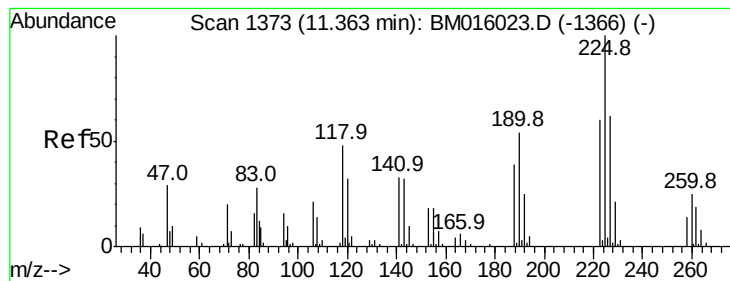
Tot Ion: 77 Resp: 2416
 Ion Ratio Lower Upper
 77 100
 123 34.0 32.6 49.0
 65 0.0 10.9 16.3#



#31
 Naphthalene
 Concen: 0.965 ng
 RT: 11.12 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Tgt Ion: 128 Resp: 6652
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.9 13.3#
 127 12.2 10.4 15.6





#34

Hexachlorobutadiene

Concen: 0.809 ng

RT: 11.36 min Scan# 1372

Delta R.T. -0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

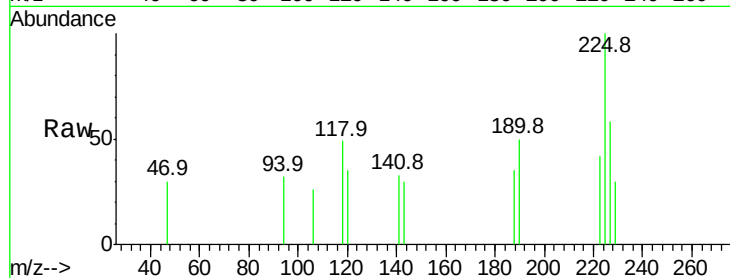
Tot Ion:225 Resp: 1389

Ion Ratio Lower Upper

225 100

223 41.8 47.9 71.9#

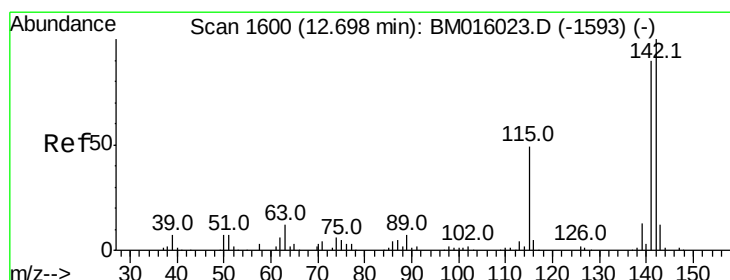
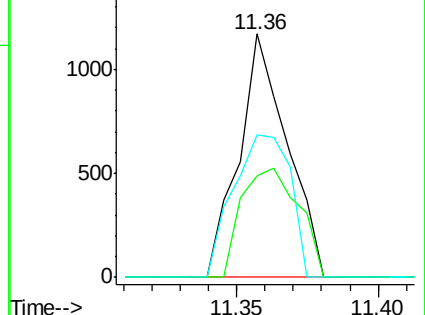
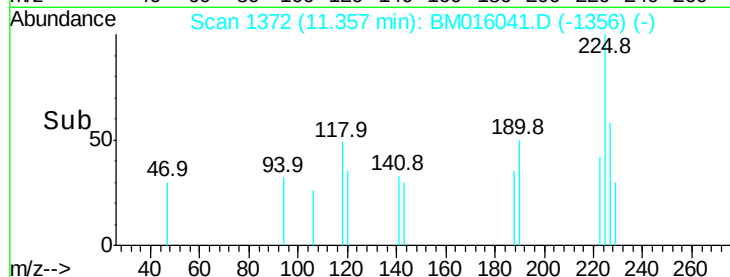
227 58.3 50.1 75.1



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: 0.857 ng

RT: 12.71 min Scan# 1602

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

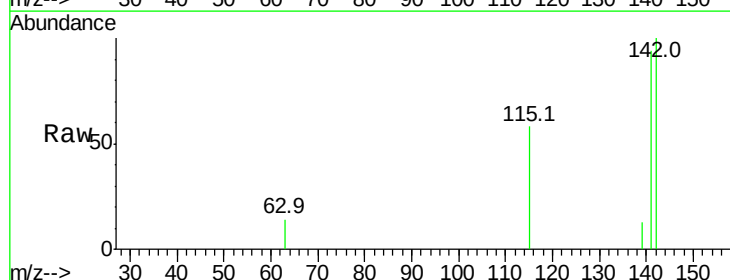
Tgt Ion:142 Resp: 3954

Ion Ratio Lower Upper

142 100

141 94.4 71.9 107.9

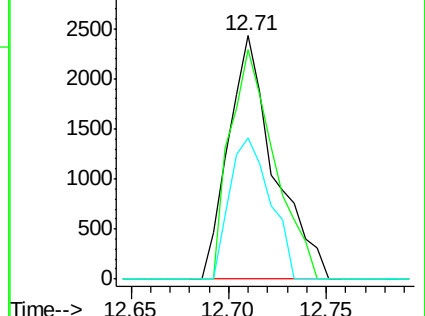
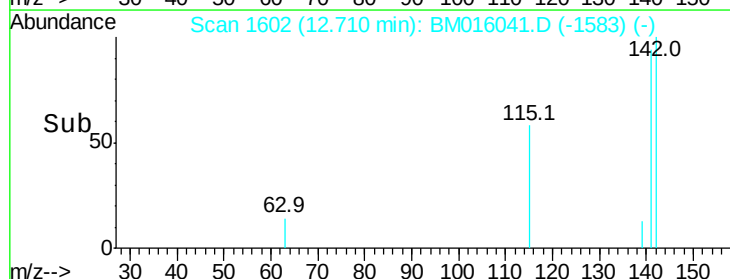
115 57.8 25.4 38.0#

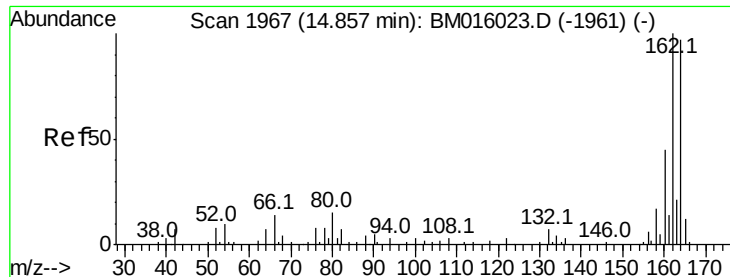


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.86 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

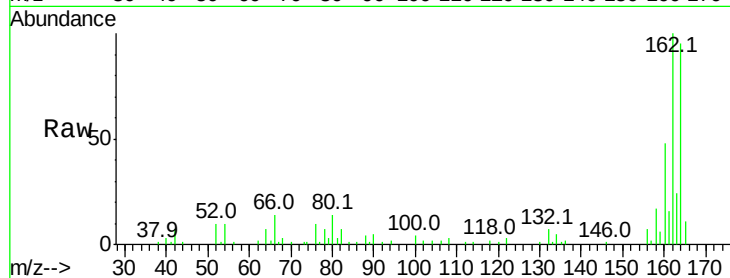
Tot Ion:164 Resp: 71831

Ion Ratio Lower Upper

164 100

162 105.2 82.4 123.6

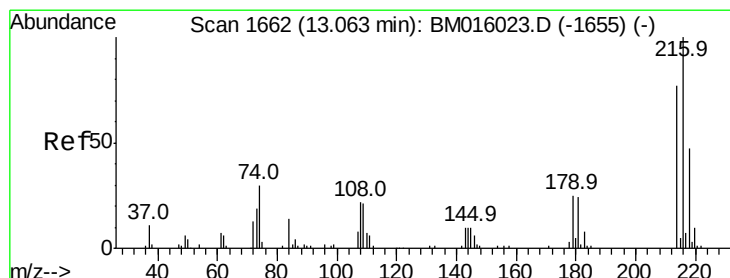
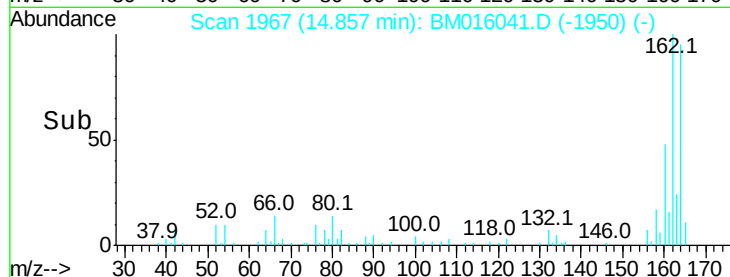
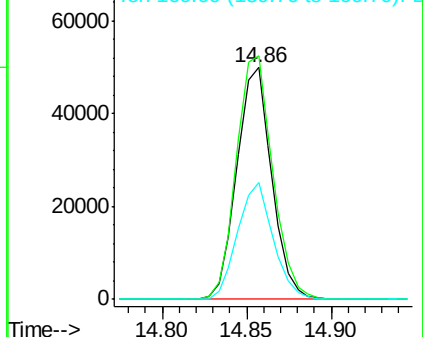
160 50.4 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.711 ng

RT: 13.07 min Scan# 1663

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Tgt Ion:216 Resp: 1738

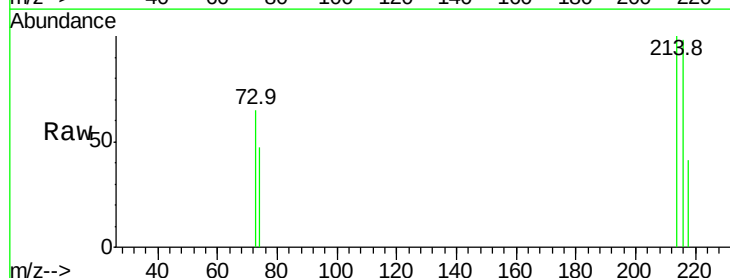
Ion Ratio Lower Upper

216 100

214 97.2 0.0 0.0#

179 0.0 0.0 0.0

108 6.3 0.0 0.0#

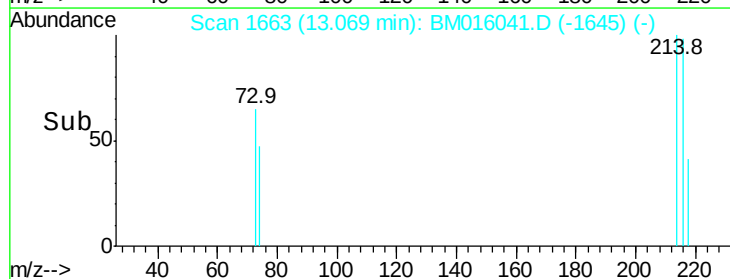
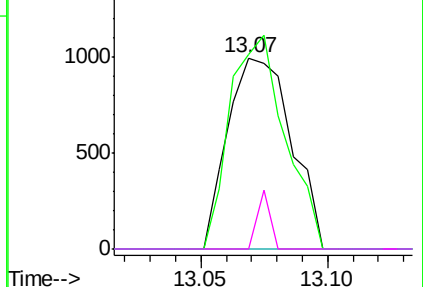


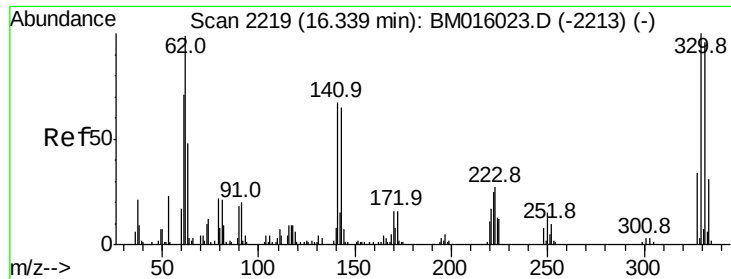
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

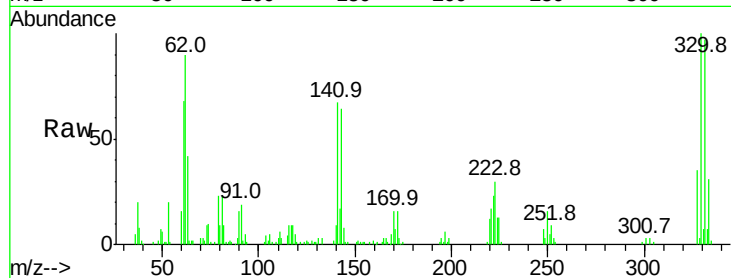




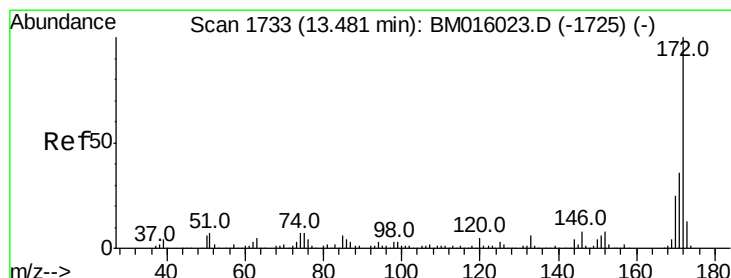
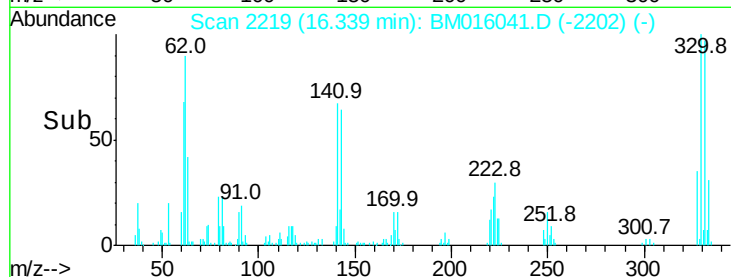
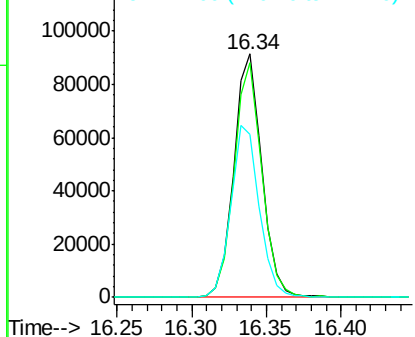
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:330 Resp: 119696
 Ion Ratio Lower Upper
 330 100
 332 95.7 0.0 0.0#
 141 71.8 0.0 0.0#

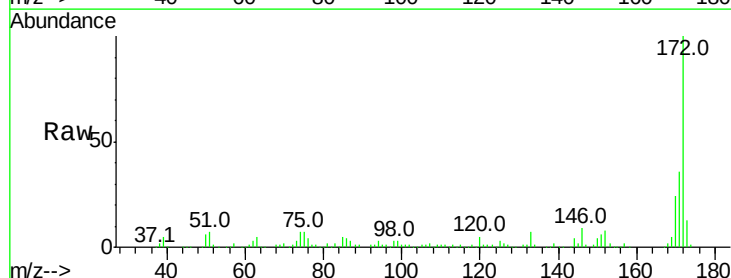


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

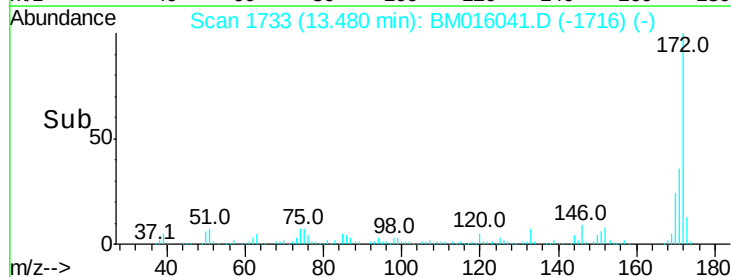
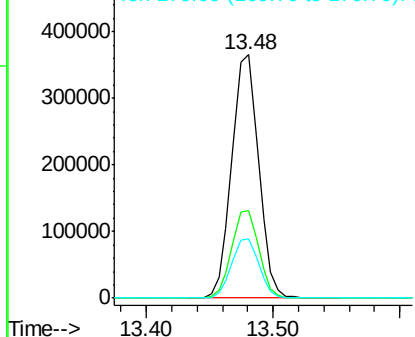


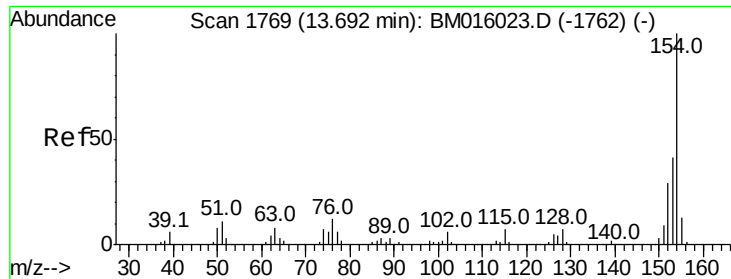
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Tgt Ion:172 Resp: 536171
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.5 42.7
 170 24.2 18.8 28.2



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

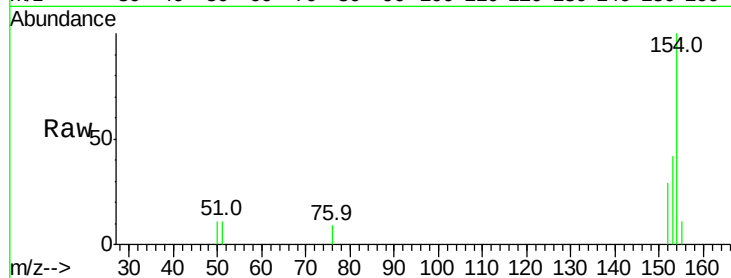




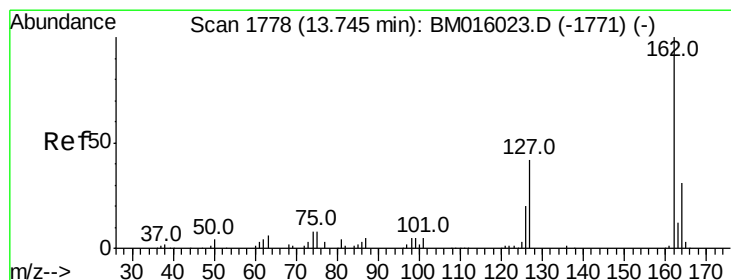
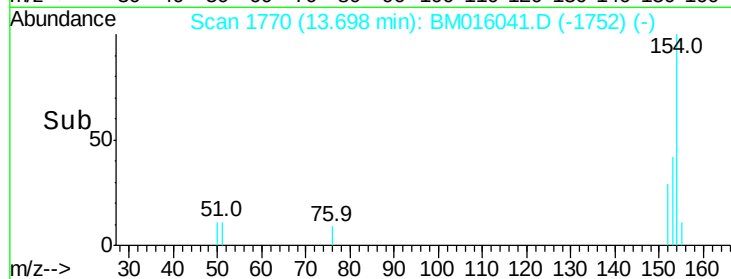
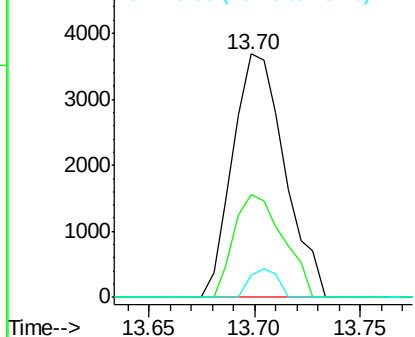
#45
 1,1'-Biphenyl
 Concen: 0.973 ng
 RT: 13.70 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:154 Resp: 6310
 Ion Ratio Lower Upper
 154 100
 153 42.3 20.7 60.7
 76 9.4 0.0 30.9

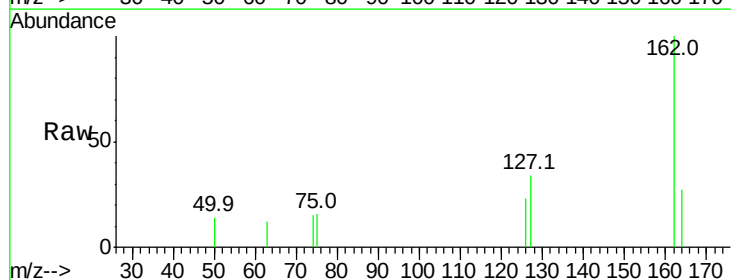


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

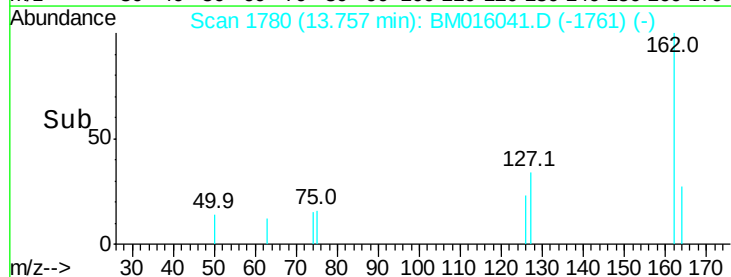
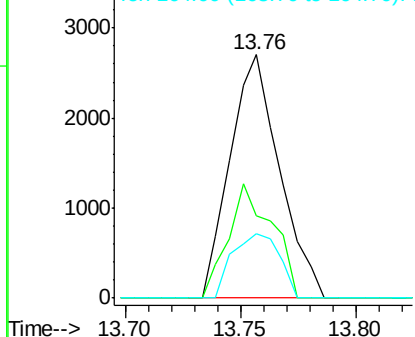


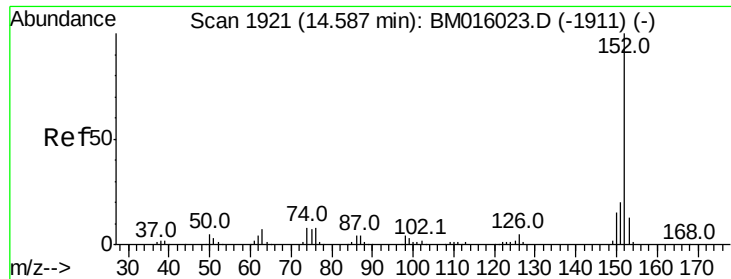
#46
 2-Chloronaphthalene
 Concen: 0.799 ng
 RT: 13.76 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Tgt Ion:162 Resp: 4027
 Ion Ratio Lower Upper
 162 100
 127 33.9 26.9 40.3
 164 26.6 26.8 40.2#



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

Acenaphthylene

Concen: 0.726 ng

RT: 14.59 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

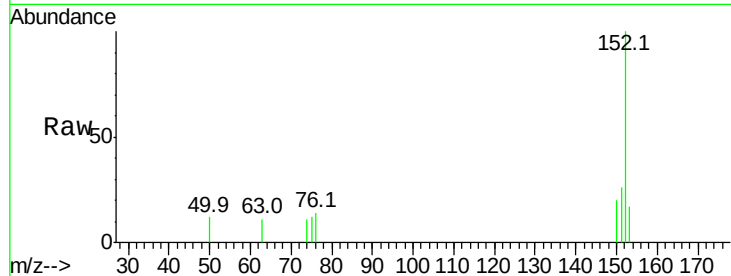
Tot Ion:152 Resp: 5356

Ion Ratio Lower Upper

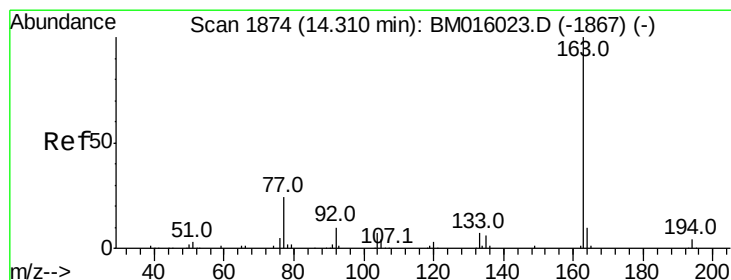
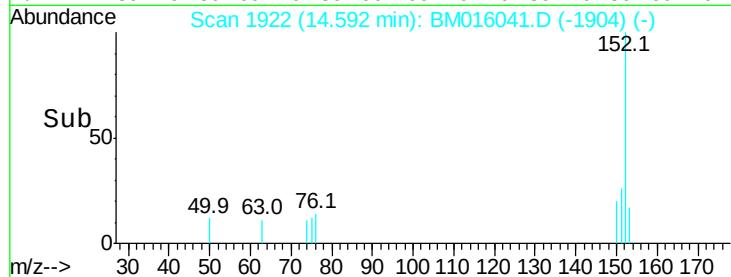
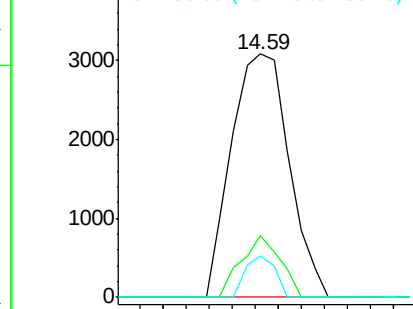
152 100

151 25.5 15.9 23.9#

153 16.9 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.809 ng

RT: 14.31 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

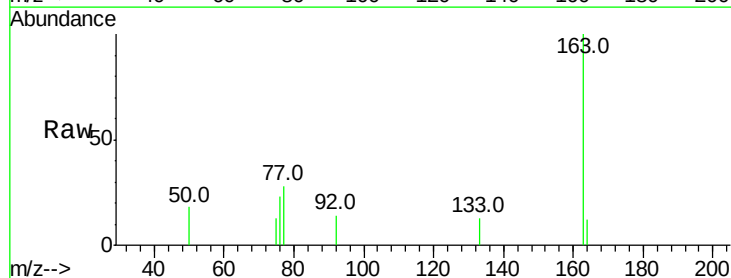
Tgt Ion:163 Resp: 5088

Ion Ratio Lower Upper

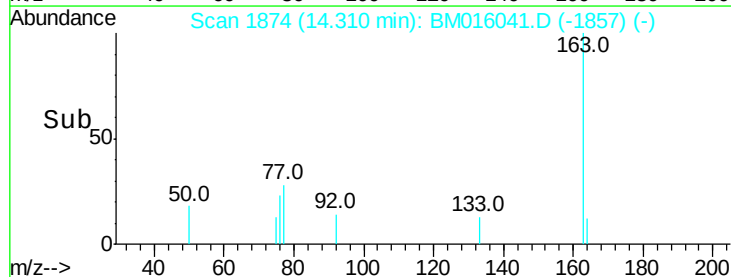
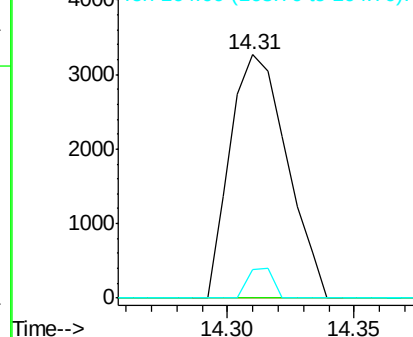
163 100

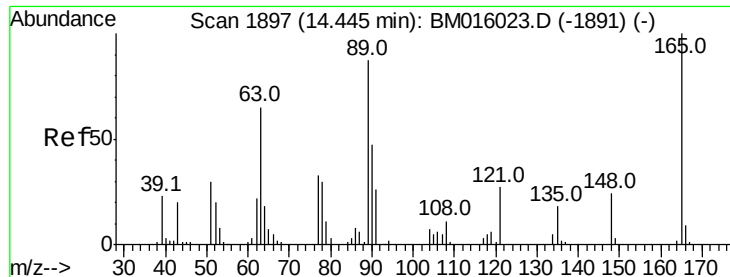
194 0.0 2.7 4.1#

164 11.9 8.2 12.2



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

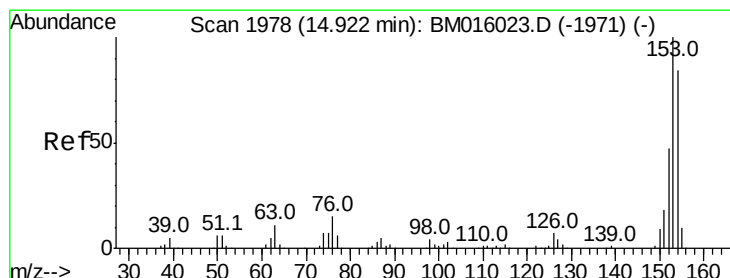
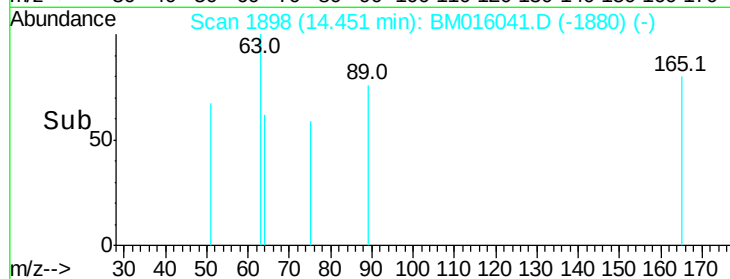
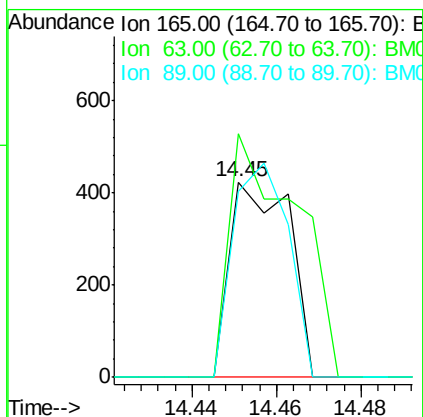
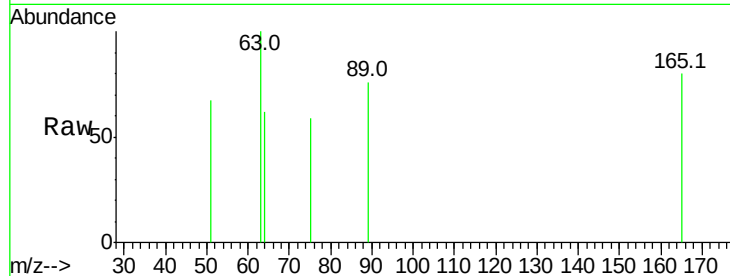




#50
 2,6-Dinitrotoluene
 Concen: 0.328 ng
 RT: 14.45 min Scan# 1898
 Delta R.T. 0.01 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

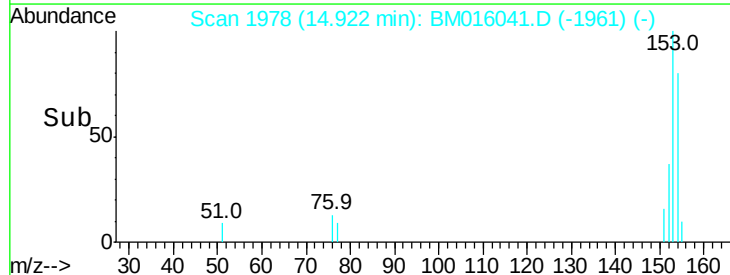
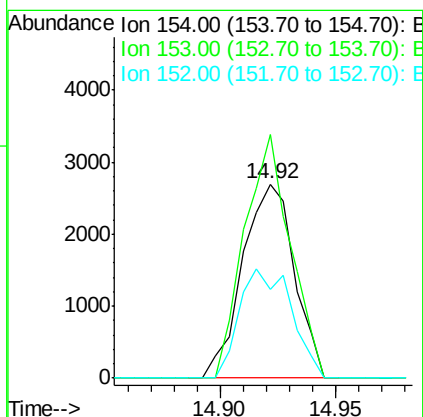
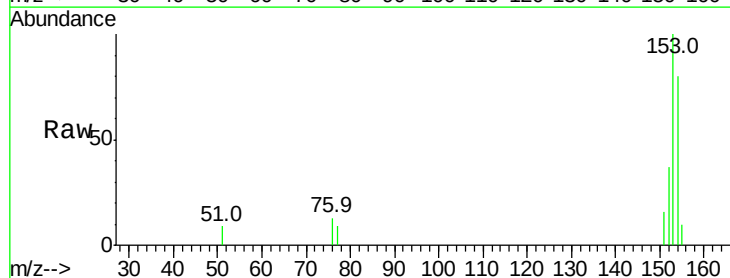
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

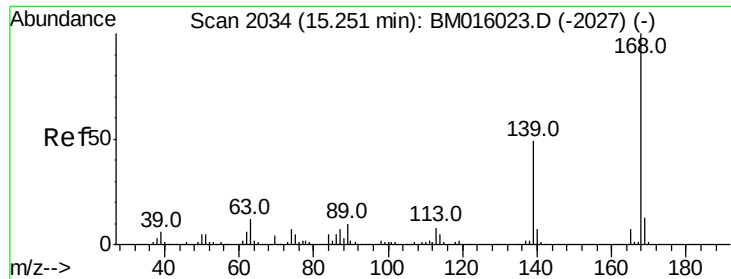
Tot Ion:165 Resp: 415
 Ion Ratio Lower Upper
 165 100
 63 124.8 44.1 66.1#
 89 95.0 44.3 66.5#



#51
 Acenaphthene
 Concen: 0.927 ng
 RT: 14.92 min Scan# 1978
 Delta R.T. -0.00 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Tgt Ion:154 Resp: 4208
 Ion Ratio Lower Upper
 154 100
 153 125.3 90.0 135.0
 152 46.0 42.6 63.8





#54

Dibenzenofuran

Concen: 0.840 ng

RT: 15.26 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

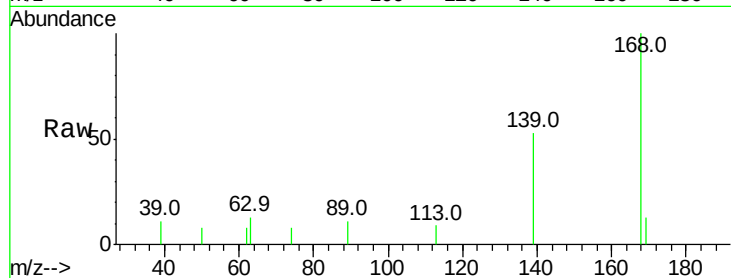
Tot Ion:168 Resp: 6281

Ion Ratio Lower Upper

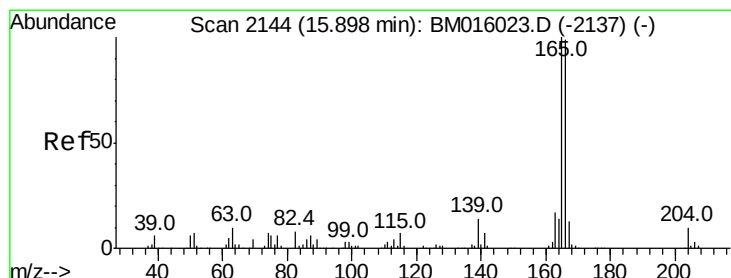
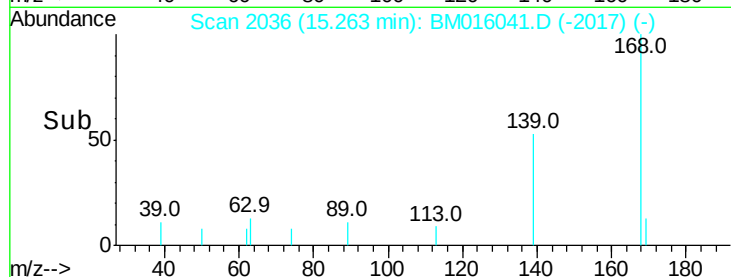
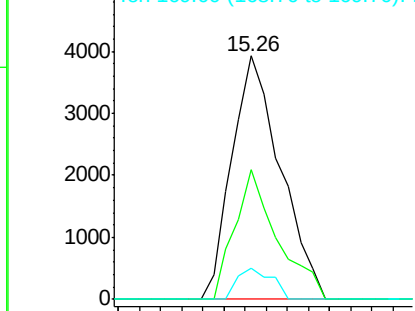
168 100

139 53.3 27.3 40.9#

169 13.0 10.6 16.0



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



#57

Fluorene

Concen: 0.906 ng

RT: 15.90 min Scan# 2145

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

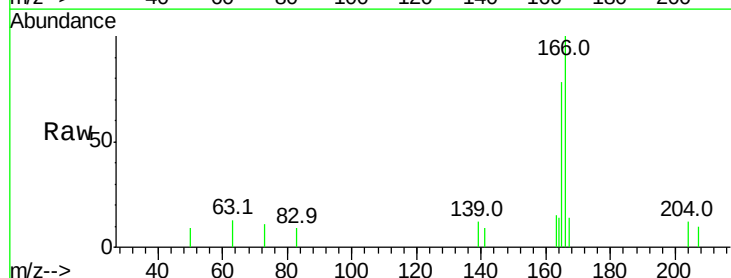
Tgt Ion:166 Resp: 5034

Ion Ratio Lower Upper

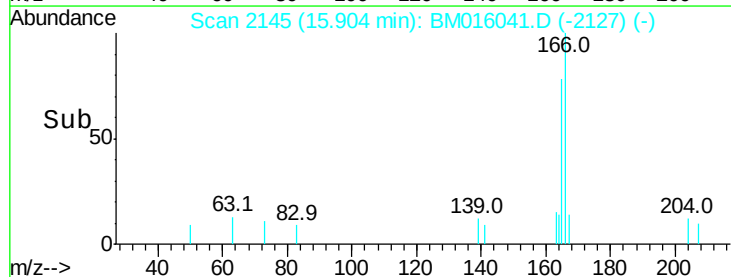
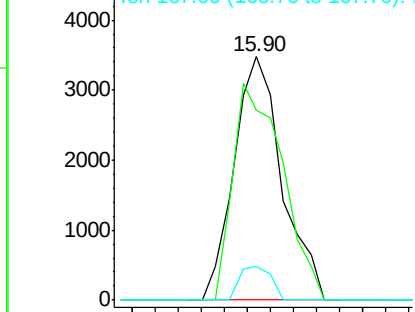
166 100

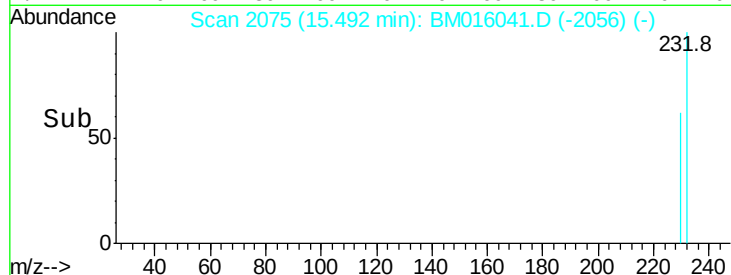
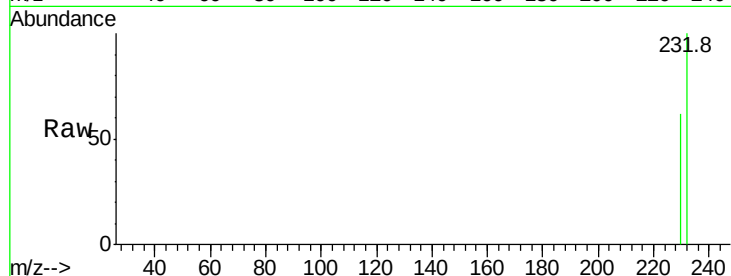
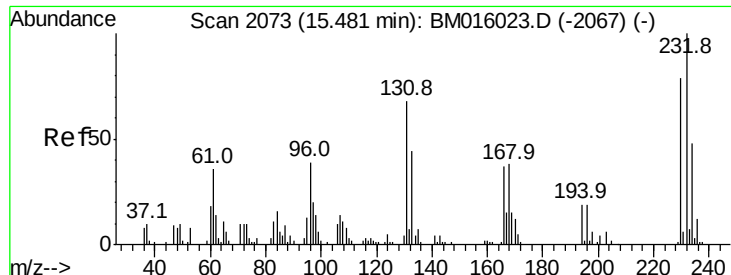
165 78.1 79.0 118.4#

167 13.7 10.3 15.5



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

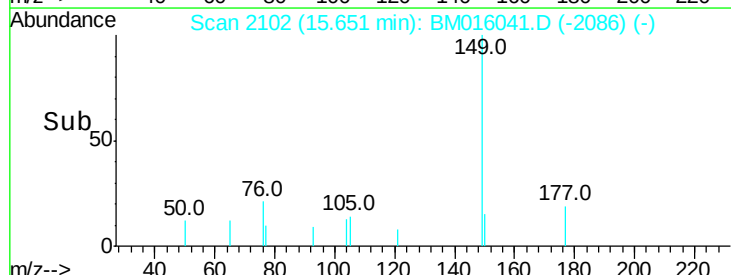
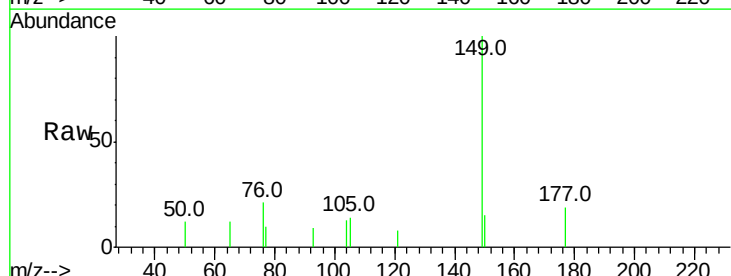
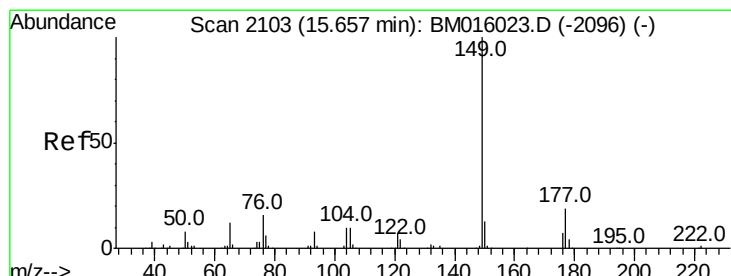
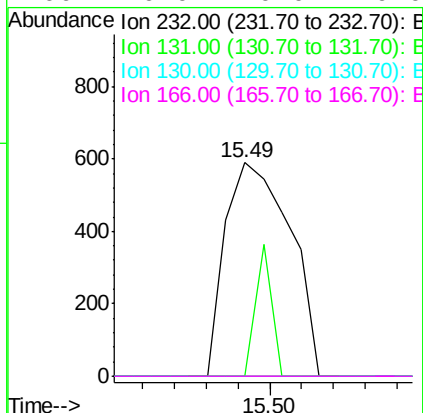




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.616 ng
 RT: 15.49 min Scan# 2075
 Delta R.T. 0.01 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

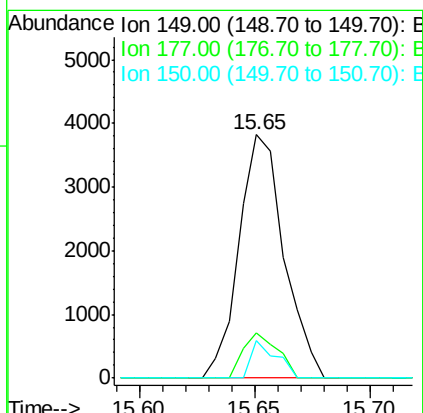
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

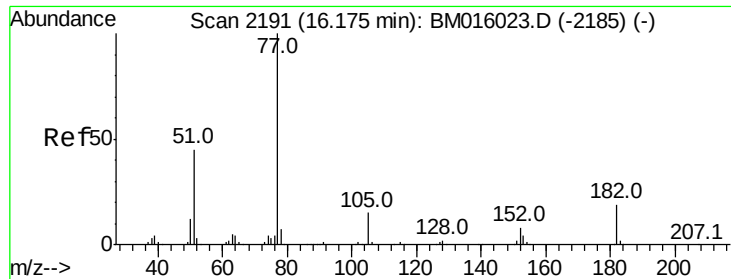
Tot Ion:	232	Resp:	835
Ion	Ratio	Lower	Upper
232	100		
131	15.4	0.0	0.0#
130	0.0	0.0	0.0
166	0.0	0.0	0.0



#59
 Diethylphthalate
 Concen: 0.765 ng
 RT: 15.65 min Scan# 2102
 Delta R.T. -0.01 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Tgt Ion:	149	Resp:	5182
Ion	Ratio	Lower	Upper
149	100		
177	18.7	18.3	27.5
150	15.4	9.8	14.8#





#62

Azobenzene

Concen: 0.606 ng

RT: 16.17 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument:

BNA_M

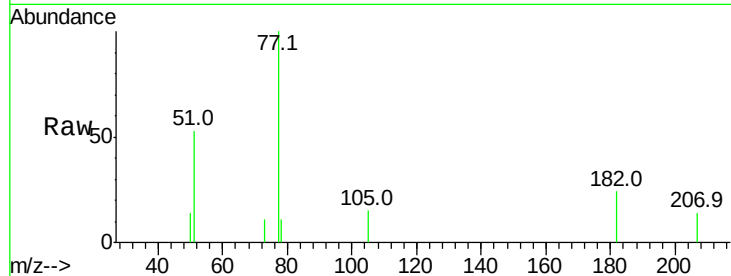
ClientSampleId:

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 77 Resp: 4323

Ion Ratio Lower Upper

77	100		
182	23.5	6.5	46.5
105	14.7	3.8	43.8
51	53.0	5.5	45.5#

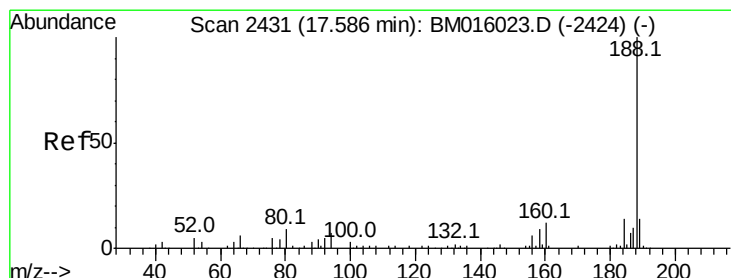
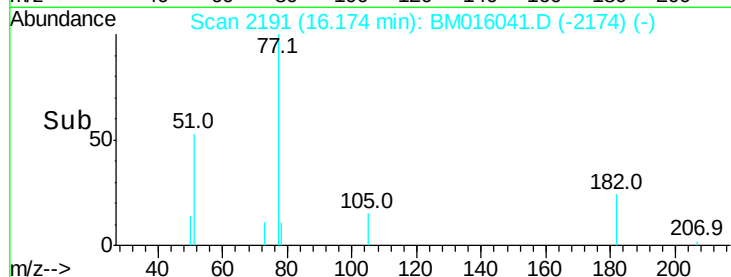
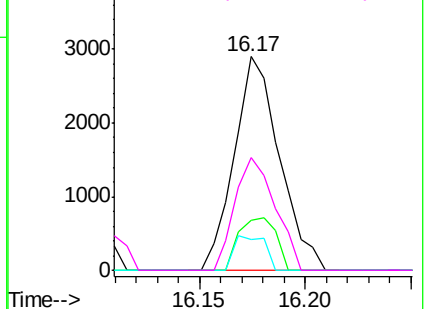


Abundance Ion 77.00 (76.70 to 77.70): BM016023.D (-2185) (-)

Ion 182.00 (181.70 to 182.70): BM016023.D (-2185) (-)

Ion 105.00 (104.70 to 105.70): BM016023.D (-2185) (-)

Ion 51.00 (50.70 to 51.70): BM016023.D (-2185) (-)



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.59 min Scan# 2431

Delta R.T. -0.00 min

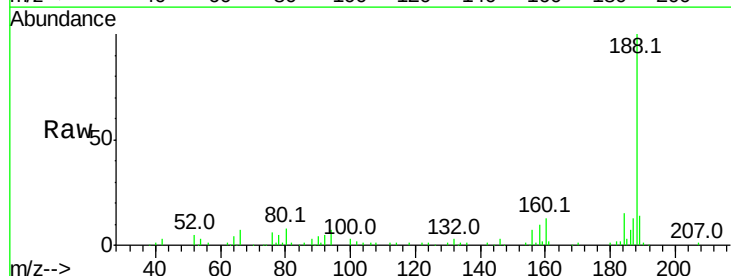
Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Tgt Ion: 188 Resp: 156950

Ion Ratio Lower Upper

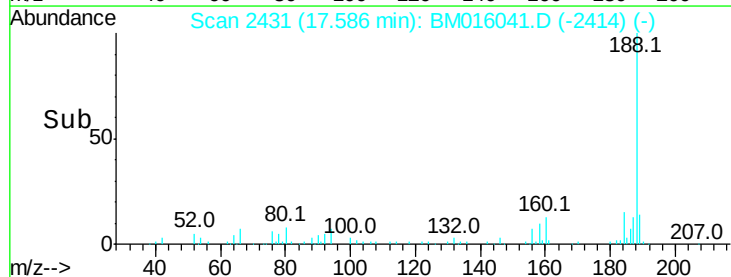
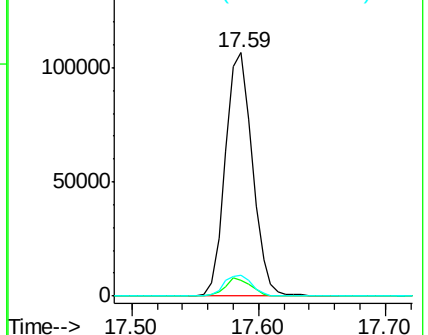
188	100		
94	6.7	8.7	13.1#
80	8.4	9.3	13.9#

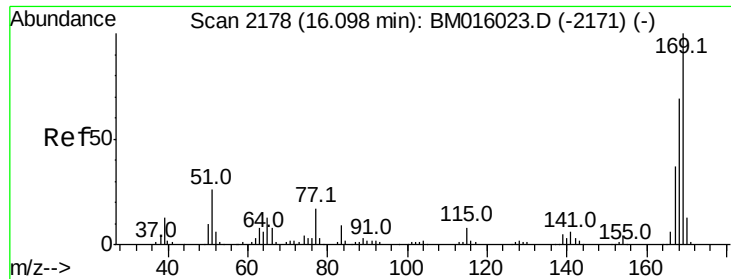


Abundance Ion 188.00 (187.70 to 188.70): BM016023.D (-2424) (-)

Ion 94.00 (93.70 to 94.70): BM016023.D (-2424) (-)

Ion 80.00 (79.70 to 80.70): BM016023.D (-2424) (-)

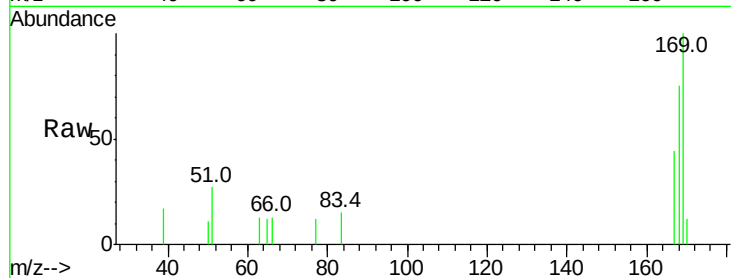




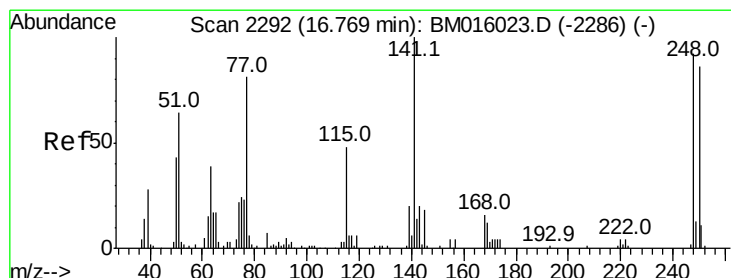
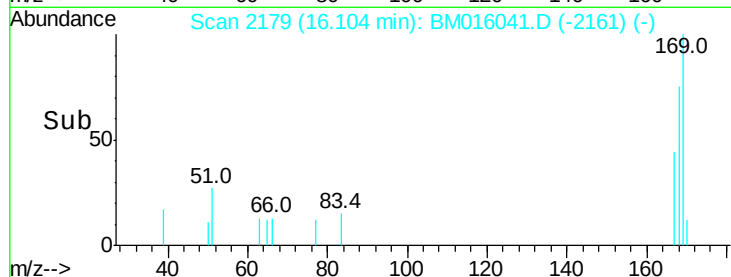
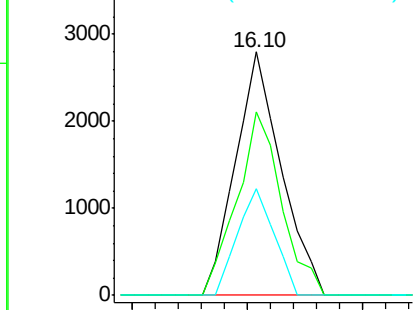
#65
 n-Nitrosodiphenylamine
 Concen: 0.746 ng
 RT: 16.10 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:169 Resp: 3853
 Ion Ratio Lower Upper
 169 100
 168 75.3 53.9 80.9
 167 43.7 28.9 43.3#

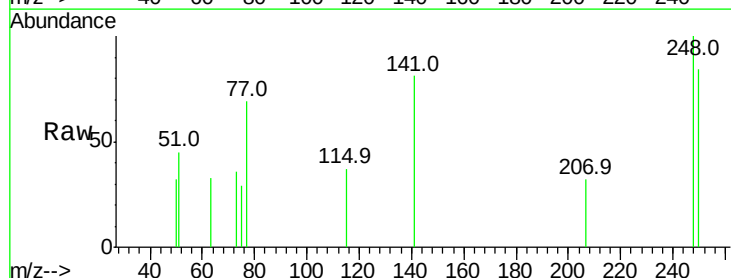


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

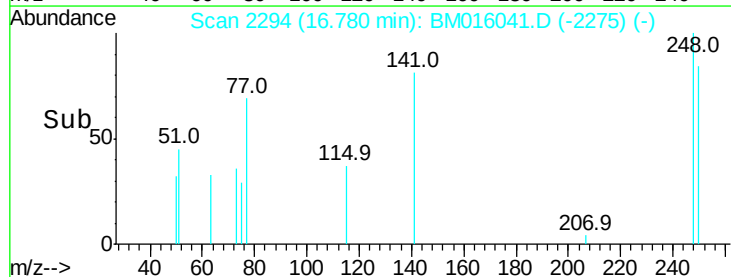
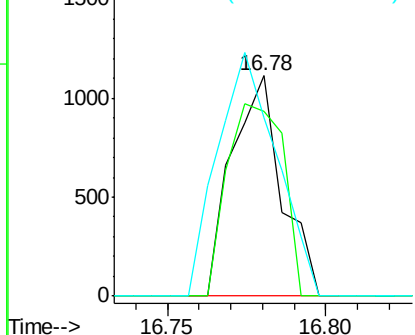


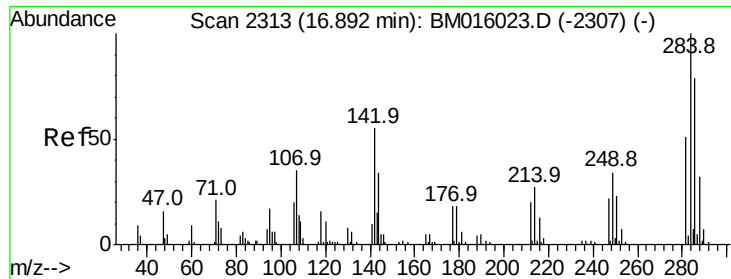
#66
 4-Bromophenyl-phenylether
 Concen: 0.685 ng
 RT: 16.78 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BM016041.D
 Acq: 24 Jul 2018 00:31

Tgt Ion:248 Resp: 1217
 Ion Ratio Lower Upper
 248 100
 250 83.9 77.4 116.0
 141 81.0 45.2 67.8#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 0.725 ng

RT: 16.90 min Scan# 2314

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

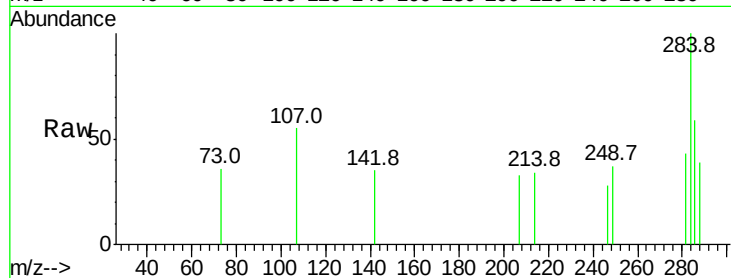
Tot Ion:284 Resp: 1418

Ion Ratio Lower Upper

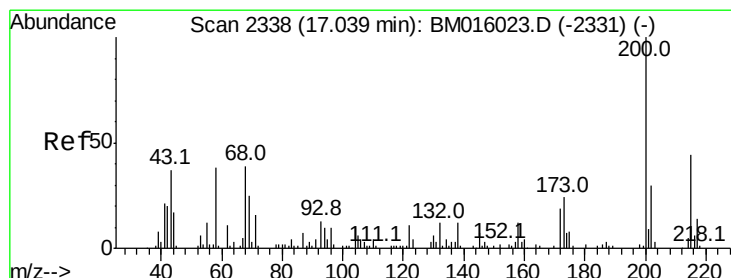
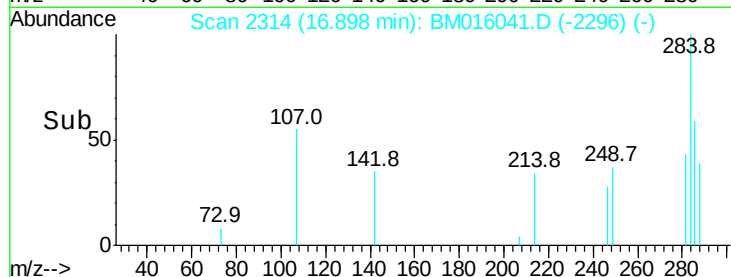
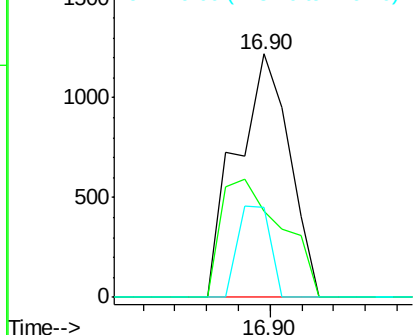
284 100

142 35.2 20.4 30.6#

249 36.7 23.8 35.6#



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



#68

Atrazine

Concen: 0.615 ng

RT: 17.04 min Scan# 2338

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

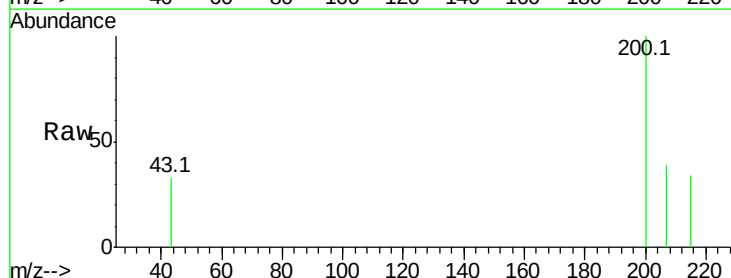
Tgt Ion:200 Resp: 1139

Ion Ratio Lower Upper

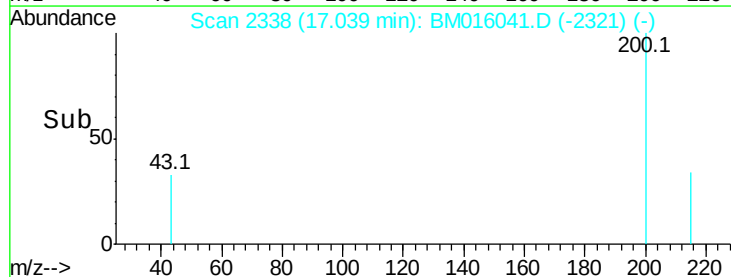
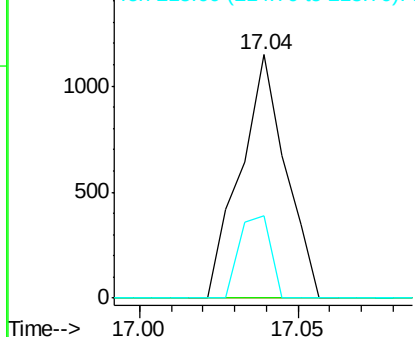
200 100

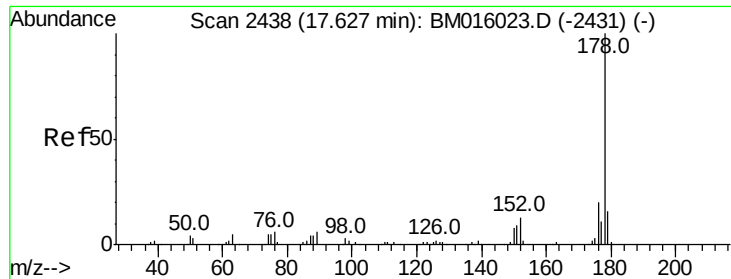
173 0.0 4.8 44.8#

215 33.9 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 0.988 ng

RT: 17.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

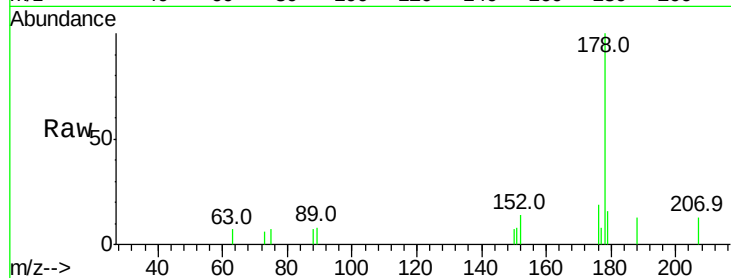
Tot Ion:178 Resp: 8680

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

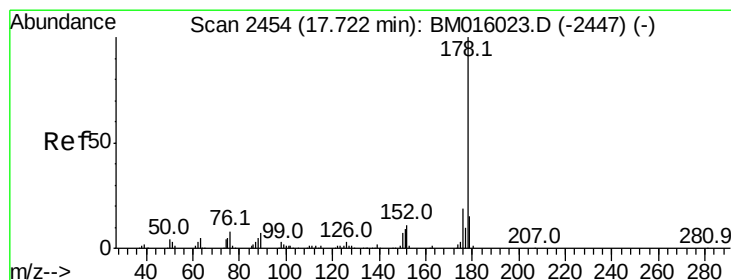
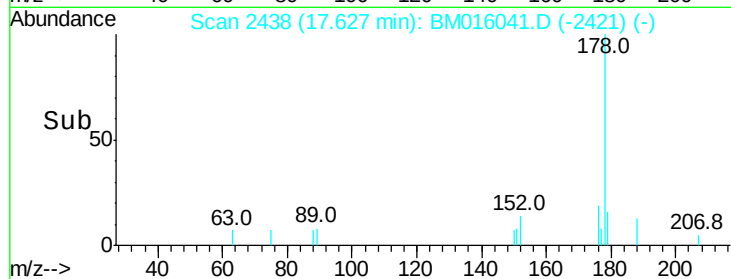
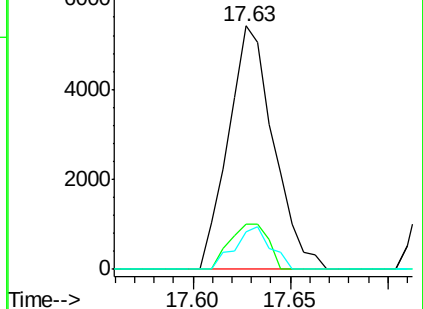
179 15.6 12.1 18.1



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



#71

Anthracene

Concen: 0.869 ng

RT: 17.73 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

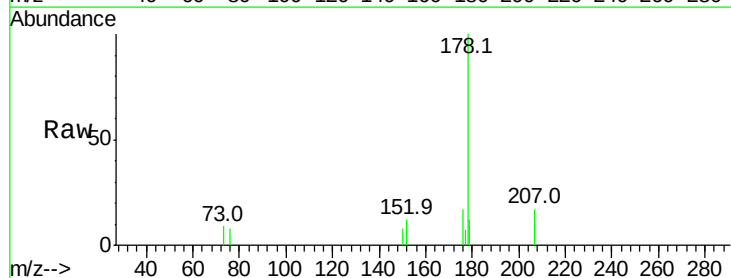
Tgt Ion:178 Resp: 7419

Ion Ratio Lower Upper

178 100

176 17.3 14.6 22.0

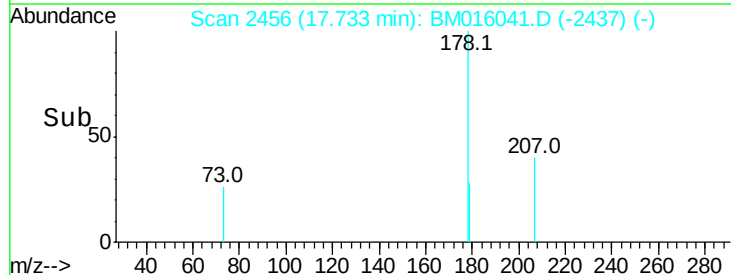
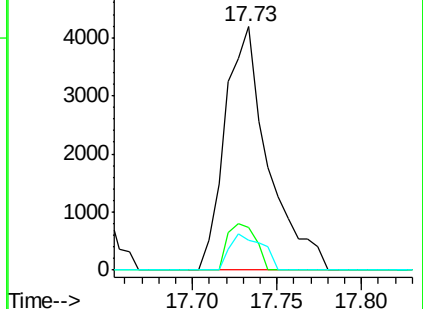
179 12.2 12.6 19.0#

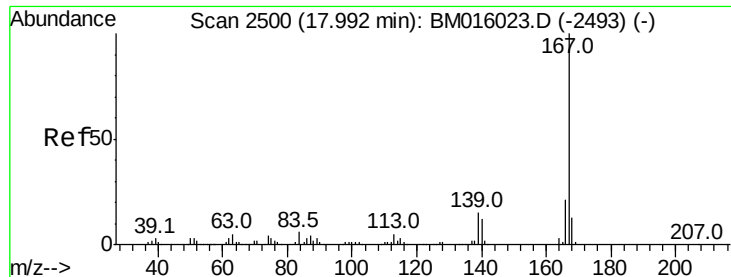


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.619 ng

RT: 18.00 min Scan# 2502

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

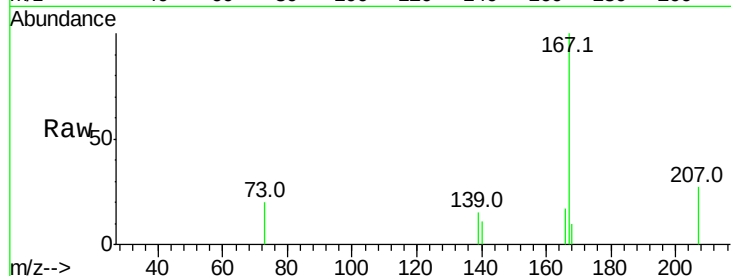
Tot Ion:167 Resp: 5477

Ion Ratio Lower Upper

167 100

166 16.5 17.2 25.8#

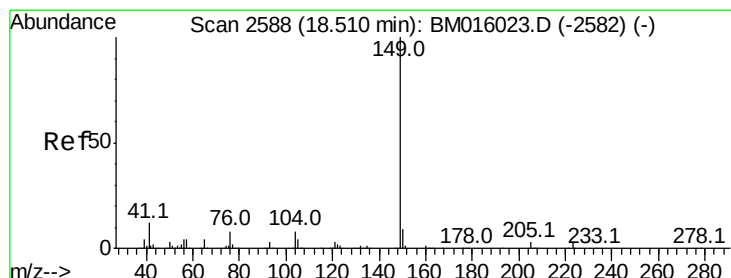
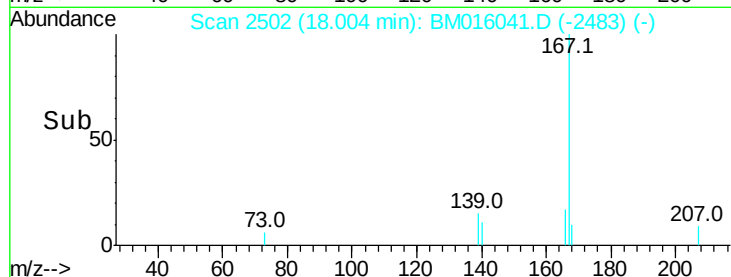
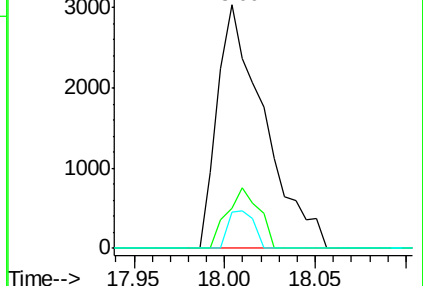
139 15.0 10.8 16.2



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



#73

Di-n-butylphthalate

Concen: 0.647 ng

RT: 18.51 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

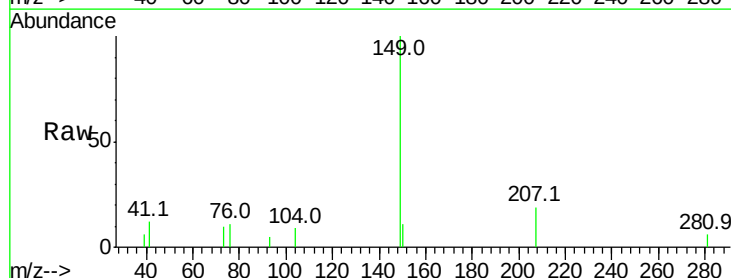
Tgt Ion:149 Resp: 7128

Ion Ratio Lower Upper

149 100

150 10.8 7.5 11.3

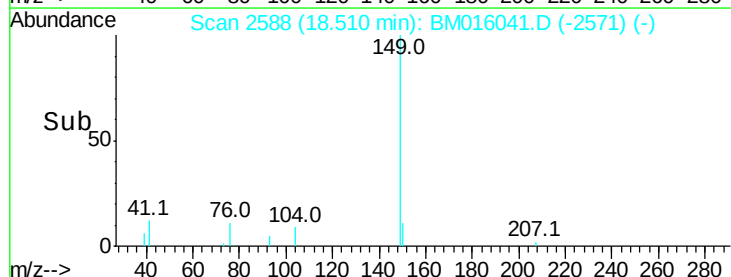
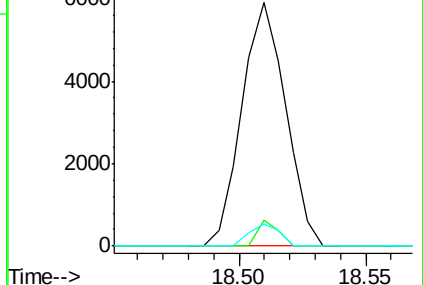
104 9.1 3.7 5.5#

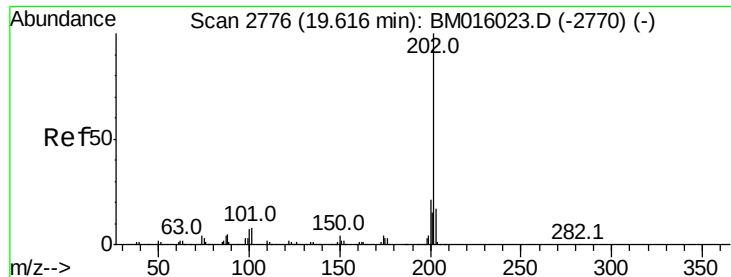


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 0.847 ng

RT: 19.62 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

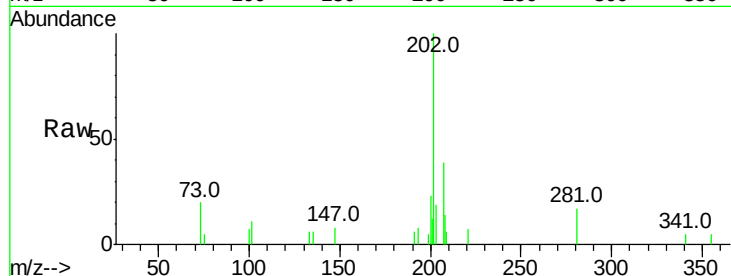
Tot Ion:202 Resp: 8298

Ion Ratio Lower Upper

202 100

101 11.1 0.0 28.7

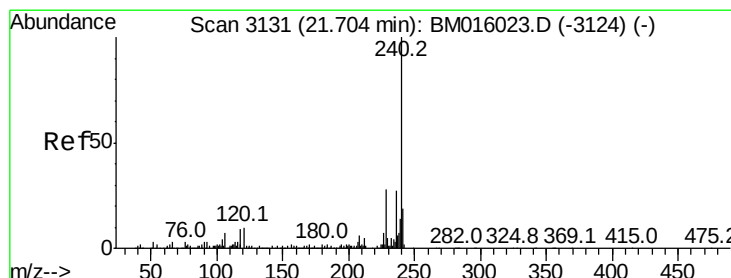
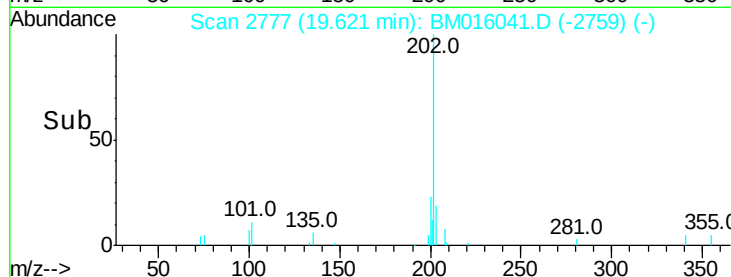
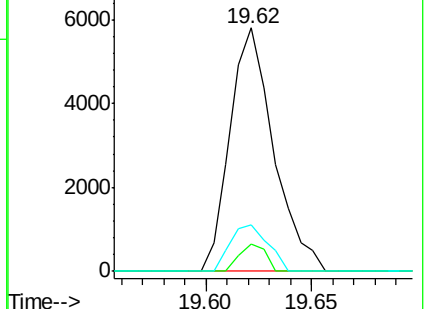
203 19.1 0.0 37.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

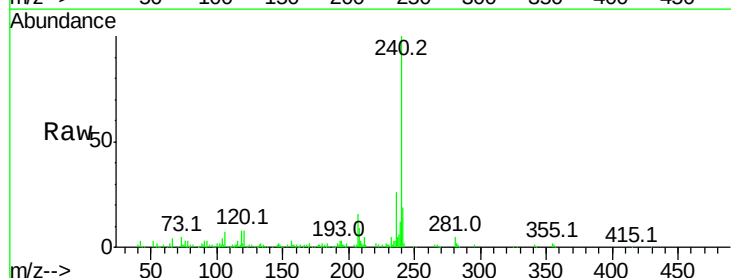
Tgt Ion:240 Resp: 172639

Ion Ratio Lower Upper

240 100

120 8.5 8.2 12.2

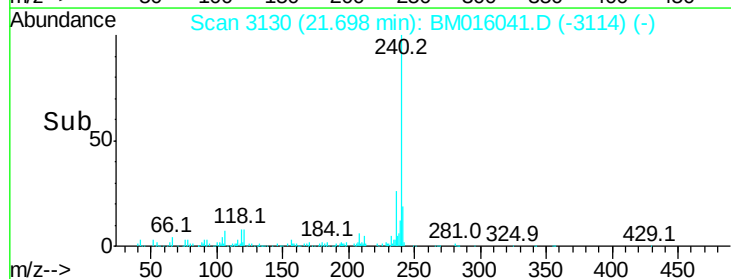
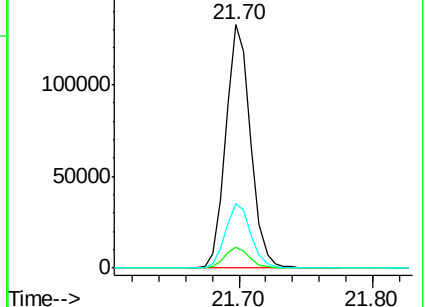
236 26.5 20.0 30.0

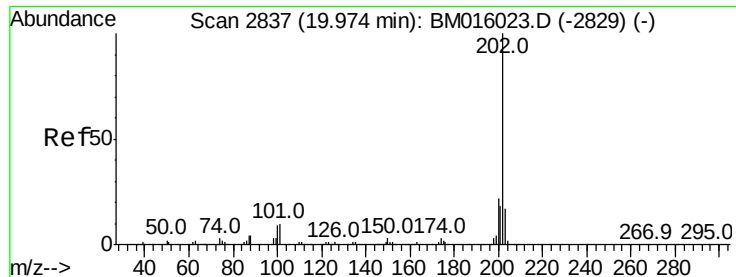


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 0.811 ng

RT: 19.98 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

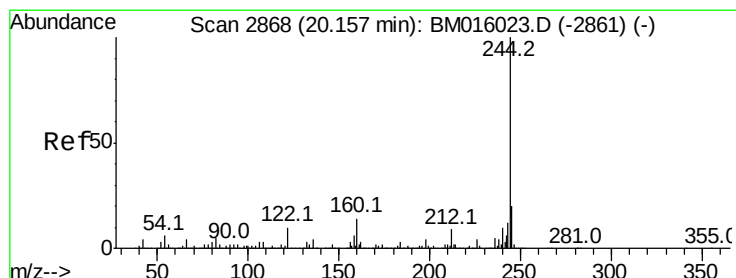
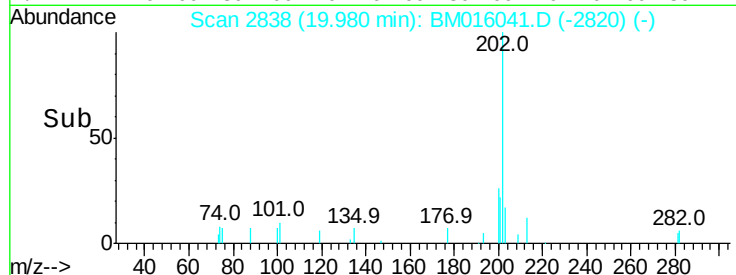
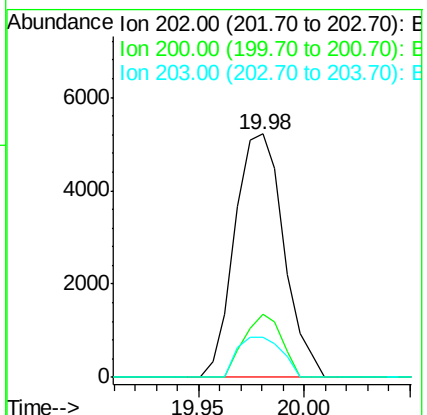
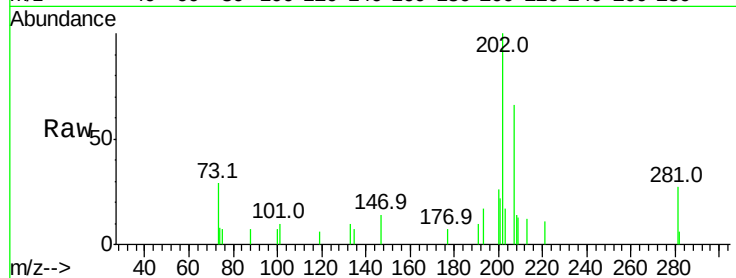
Tot Ion:202 Resp: 8388

Ion Ratio Lower Upper

202 100

200 25.7 16.9 25.3#

203 16.5 14.1 21.1



#78

Terphenyl-d14

Concen: 0.811 ng

RT: 20.15 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

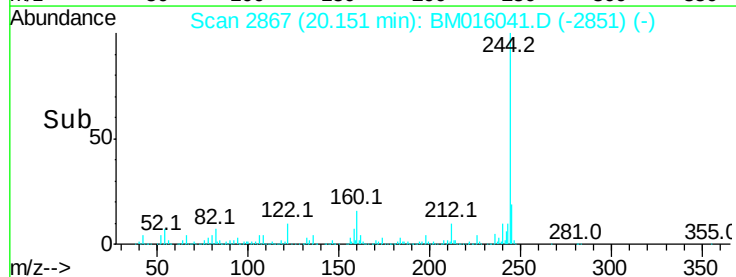
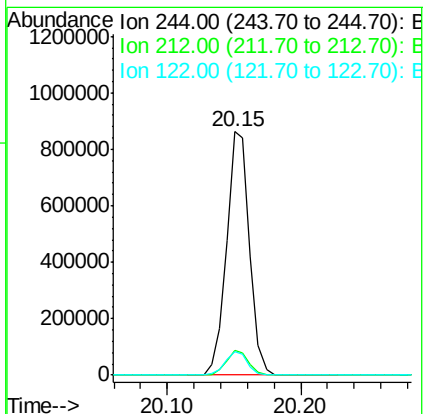
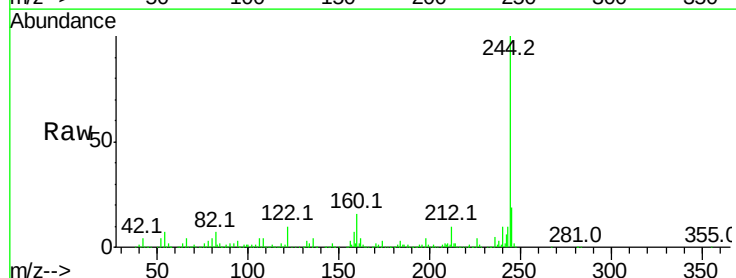
Tgt Ion:244 Resp: 1035354

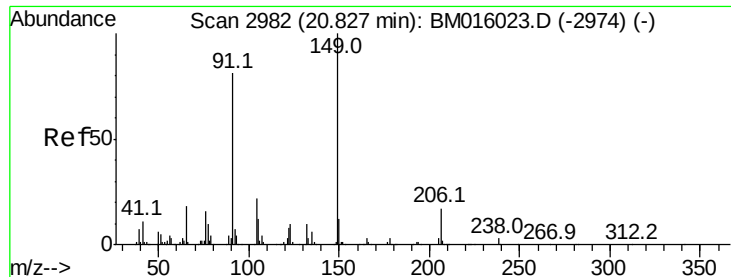
Ion Ratio Lower Upper

244 100

212 10.0 4.9 7.3#

122 9.8 6.2 9.4#

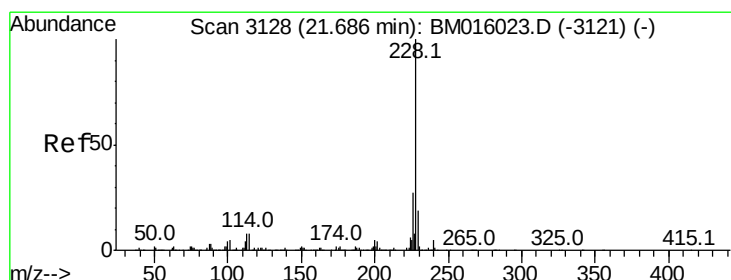
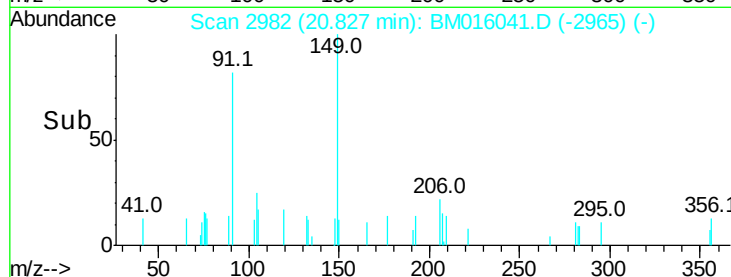
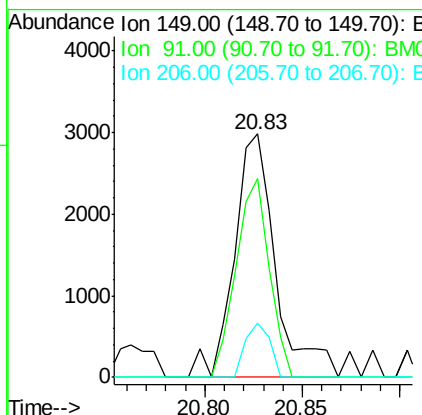
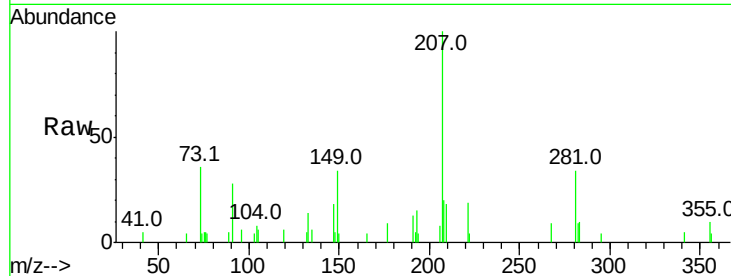




#79
Butylbenzylphthalate
Concen: 0.832 ng
RT: 20.83 min Scan# 2982
Delta R.T. -0.00 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

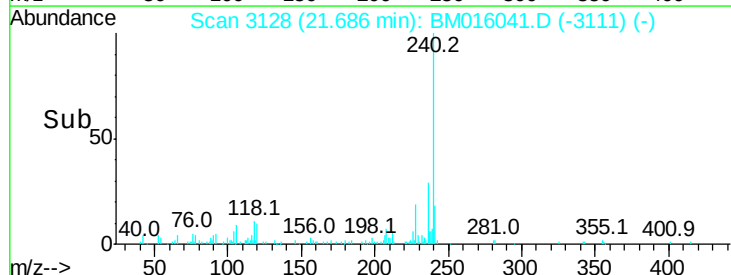
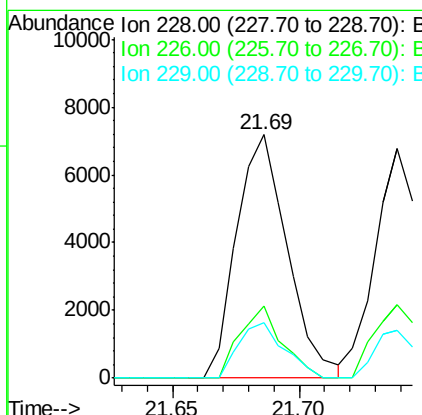
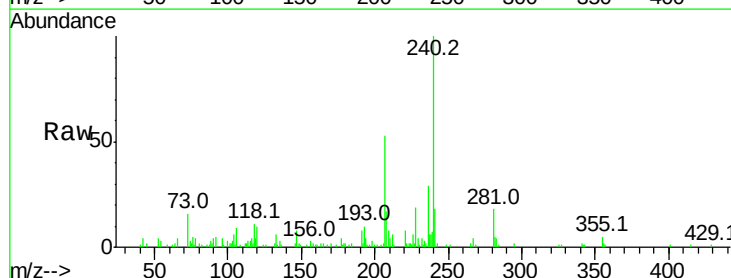
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

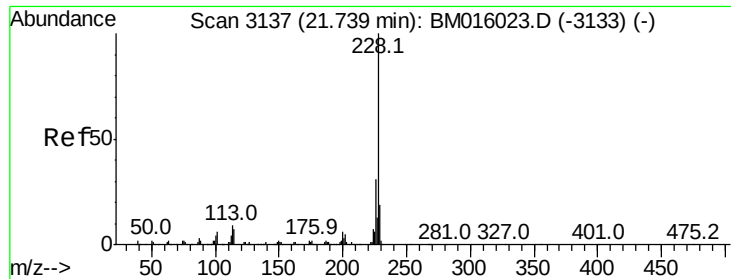
Tot Ion:149 Resp: 4372
Ion Ratio Lower Upper
149 100
91 81.6 50.1 75.1#
206 22.3 16.2 24.2



#80
Benzo(a)anthracene
Concen: 0.945 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

Tgt Ion:228 Resp: 10053
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 22.9 16.0 24.0





#82

Chrysene

Concen: 0.921 ng

RT: 21.74 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

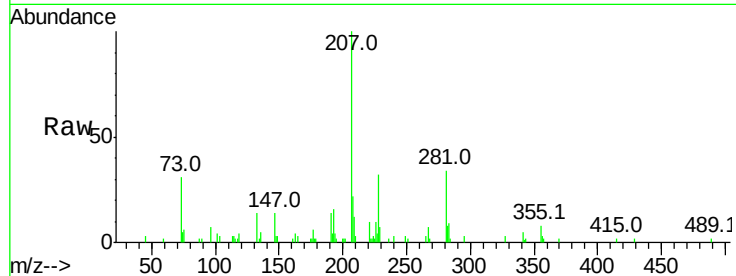
Tot Ion:228 Resp: 9392

Ion Ratio Lower Upper

228 100

226 31.7 24.1 36.1

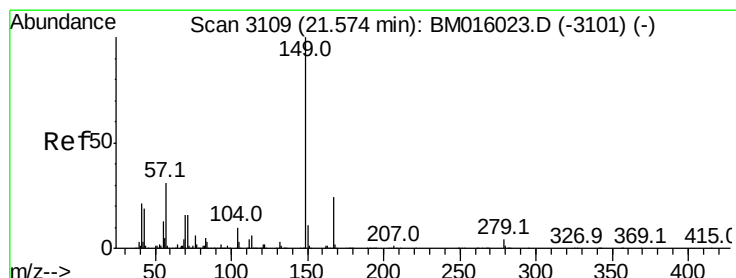
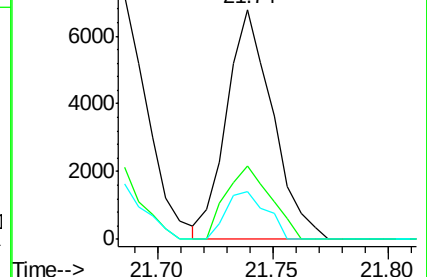
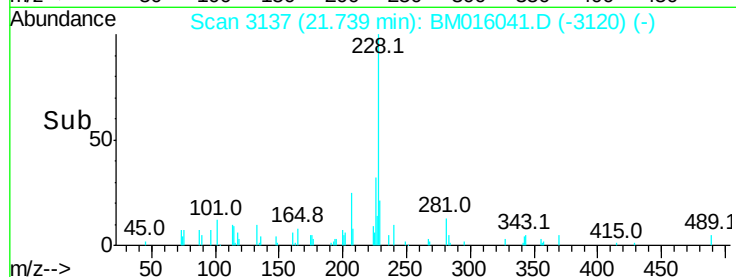
229 20.8 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.680 ng

RT: 21.57 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

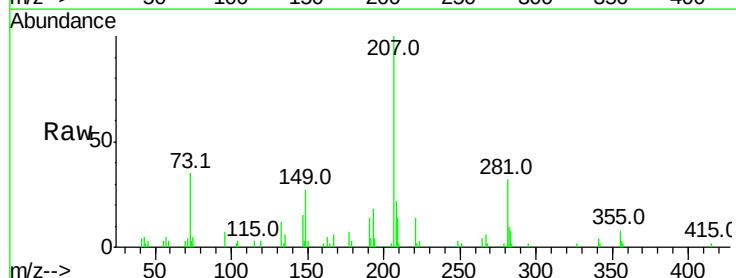
Tgt Ion:149 Resp: 5183

Ion Ratio Lower Upper

149 100

167 21.8 22.4 33.6#

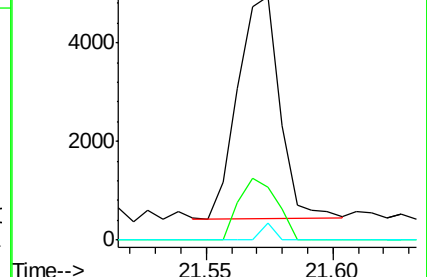
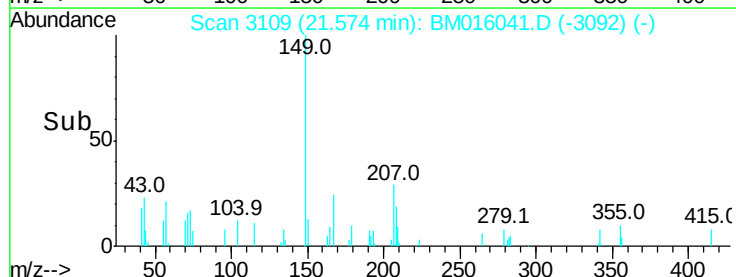
279 7.1 3.4 5.0#

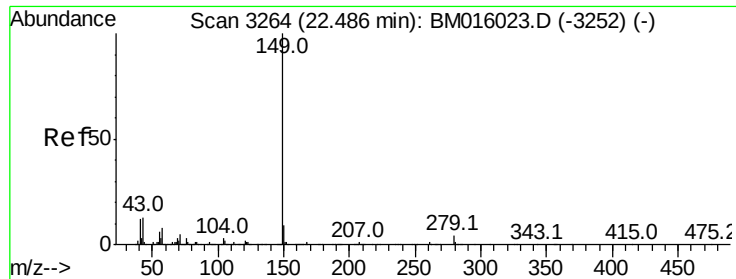


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.743 ng

RT: 22.48 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

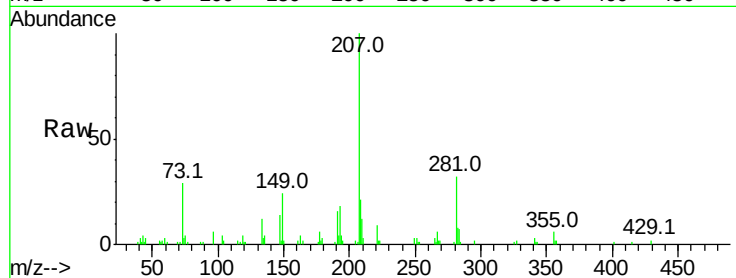
Tot Ion:149 Resp: 9513

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

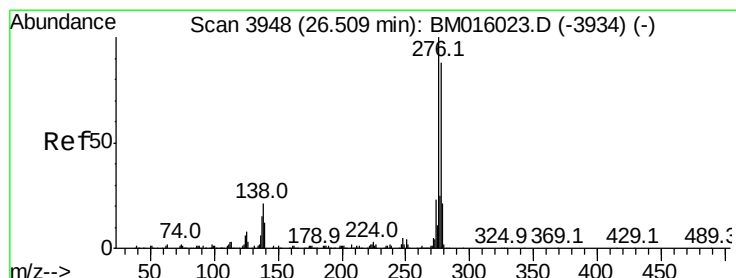
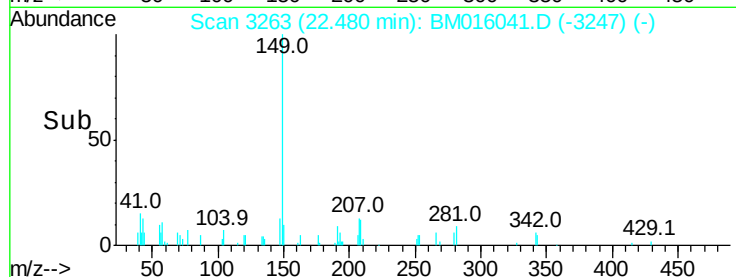
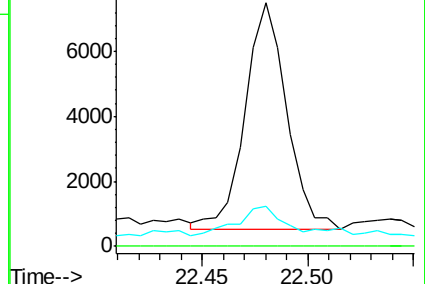
43 16.9 7.3 10.9#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.973 ng

RT: 26.51 min Scan# 3948

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

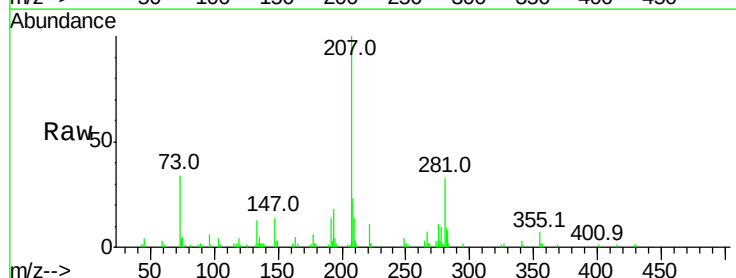
Tgt Ion:276 Resp: 11776

Ion Ratio Lower Upper

276 100

138 17.7 12.0 18.0

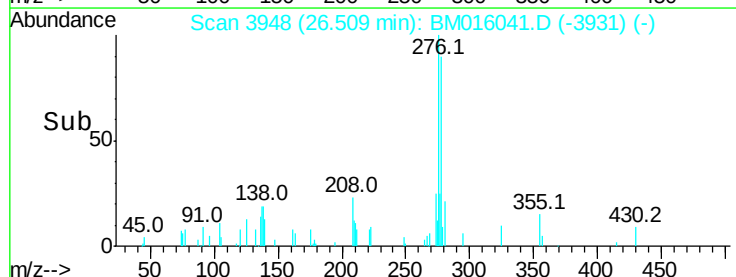
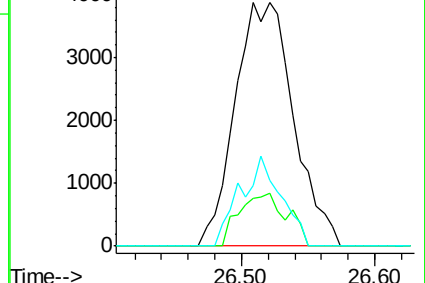
277 25.8 20.0 30.0

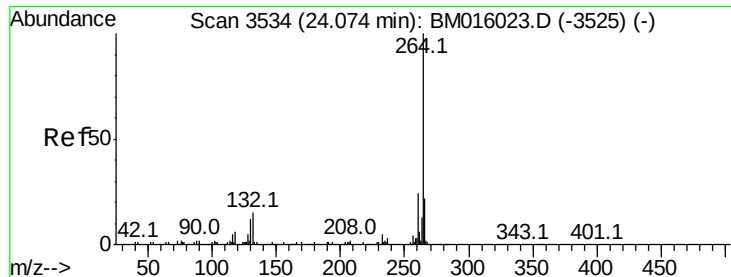


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

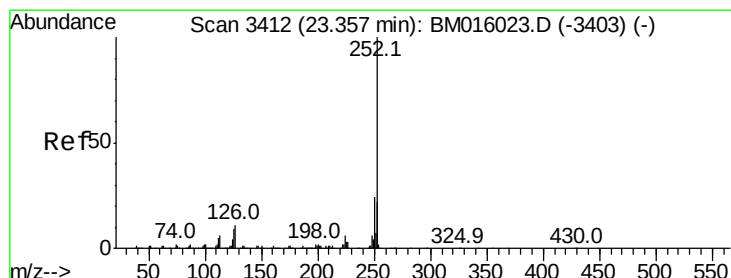
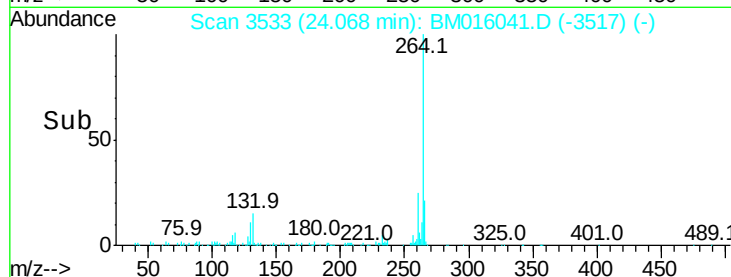
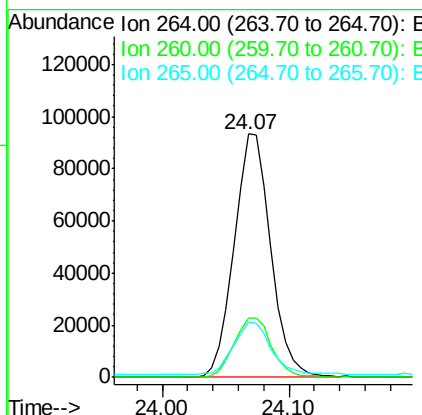
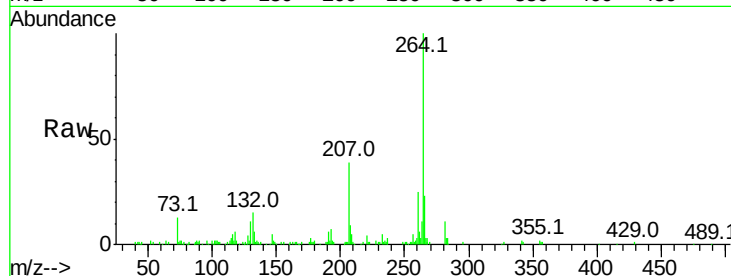




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.07 min Scan# 3533
Delta R.T. -0.01 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

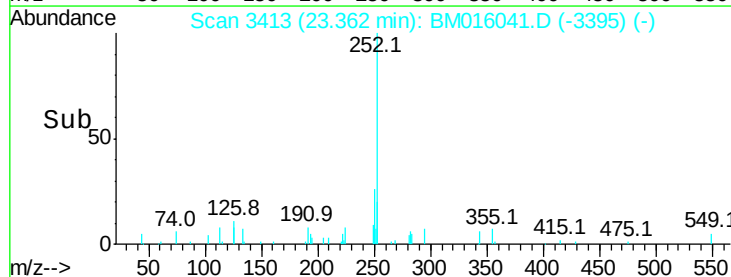
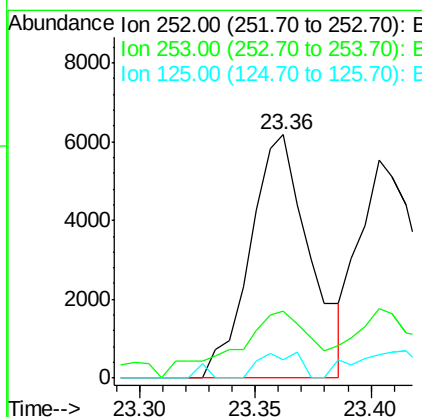
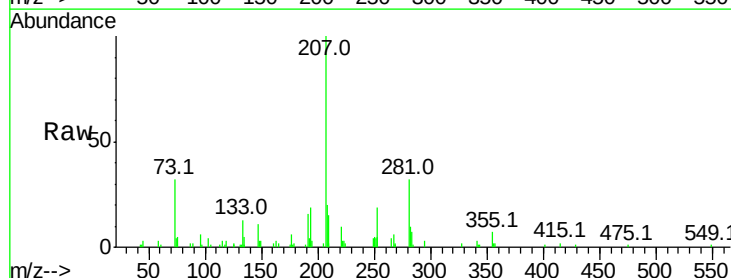
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

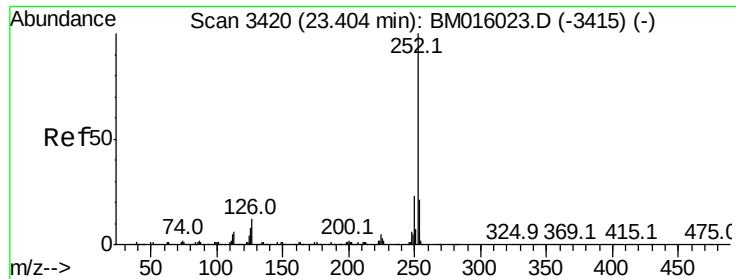
Tot Ion:264 Resp: 186911
Ion Ratio Lower Upper
264 100
260 24.6 18.6 27.8
265 22.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 1.010 ng
RT: 23.36 min Scan# 3413
Delta R.T. 0.01 min
Lab File: BM016041.D
Acq: 24 Jul 2018 00:31

Tgt Ion:252 Resp: 11118
Ion Ratio Lower Upper
252 100
253 27.3 18.0 27.0#
125 7.5 9.9 14.9#





#88

Benzo(k)fluoranthene

Concen: 0.961 ng

RT: 23.40 min Scan# 3420

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

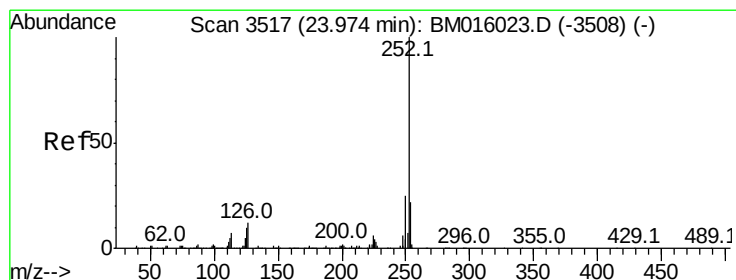
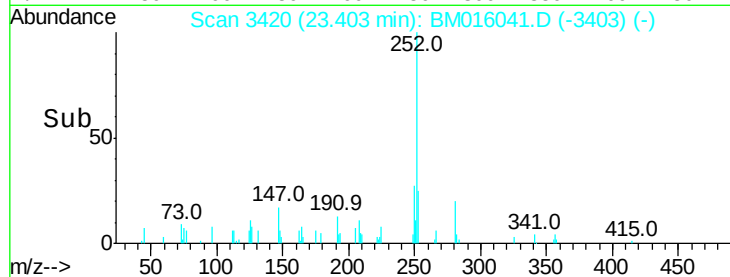
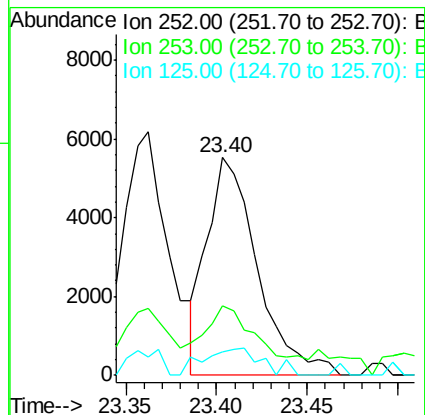
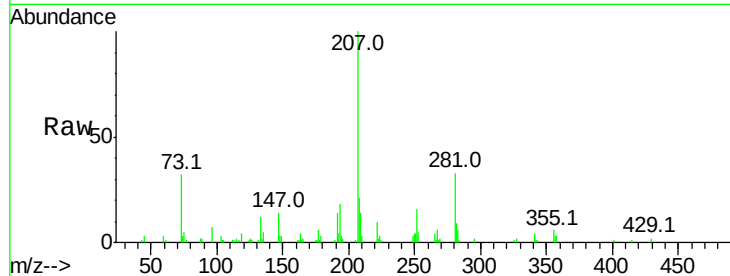
Tot Ion:252 Resp: 10718

Ion Ratio Lower Upper

252 100

253 32.1 17.2 25.8#

125 10.8 8.1 12.1



#89

Benzo(a)pyrene

Concen: 1.010 ng

RT: 23.97 min Scan# 3517

Delta R.T. -0.00 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

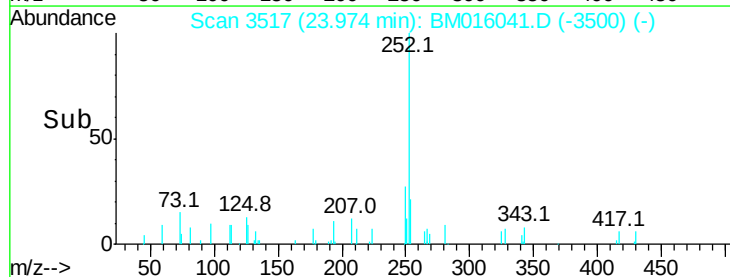
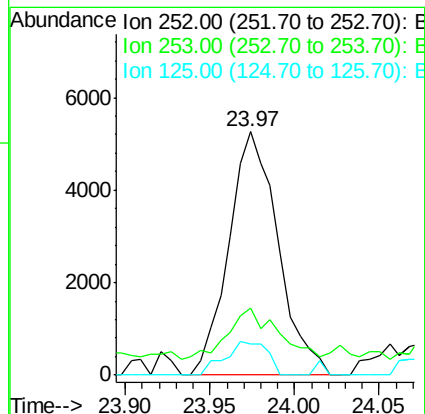
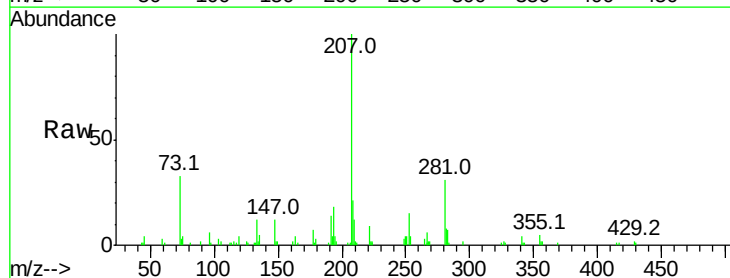
Tgt Ion:252 Resp: 10686

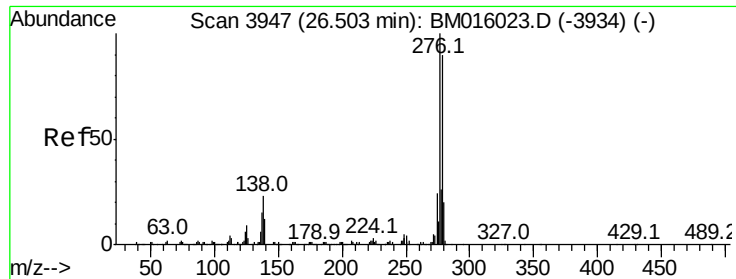
Ion Ratio Lower Upper

252 100

253 27.7 17.6 26.4#

125 12.9 7.4 11.2#





#90

Dibenzo(a,h)anthracene

Concen: 0.942 ng

RT: 26.51 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

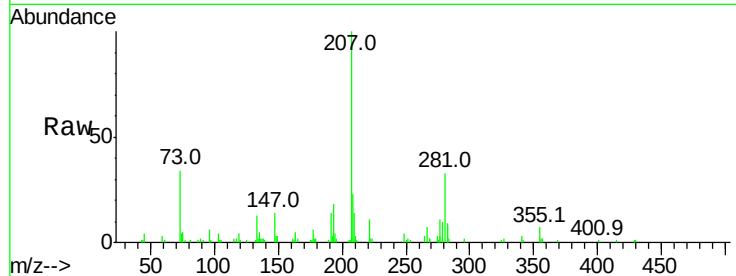
Tot Ion:278 Resp: 10322

Ion Ratio Lower Upper

278 100

139 13.9 13.4 20.0

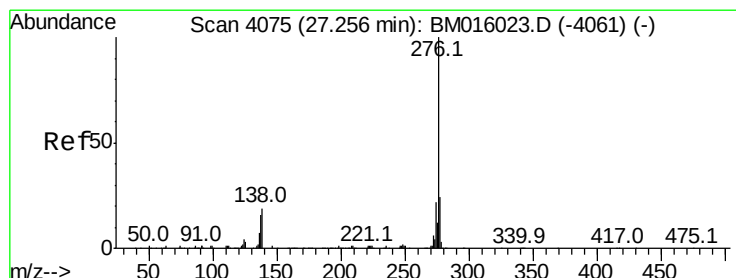
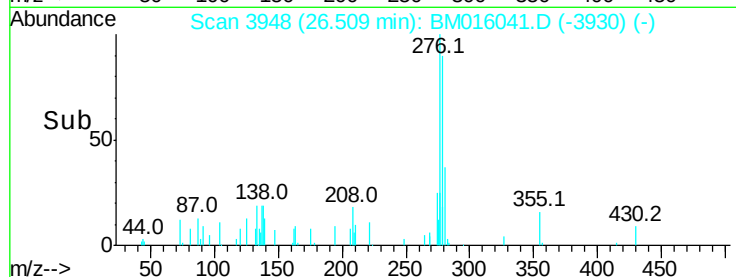
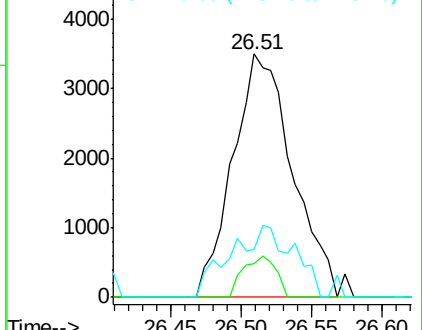
279 19.5 19.0 28.4



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



#91

Benzo(g,h,i)perylene

Concen: 0.964 ng

RT: 27.27 min Scan# 4077

Delta R.T. 0.01 min

Lab File: BM016041.D

Acq: 24 Jul 2018 00:31

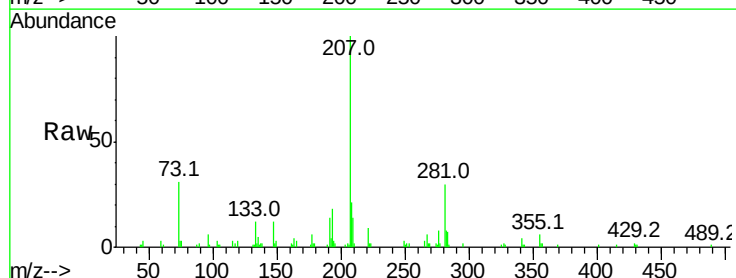
Tgt Ion:276 Resp: 9989

Ion Ratio Lower Upper

276 100

277 19.6 18.5 27.7

138 22.6 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

