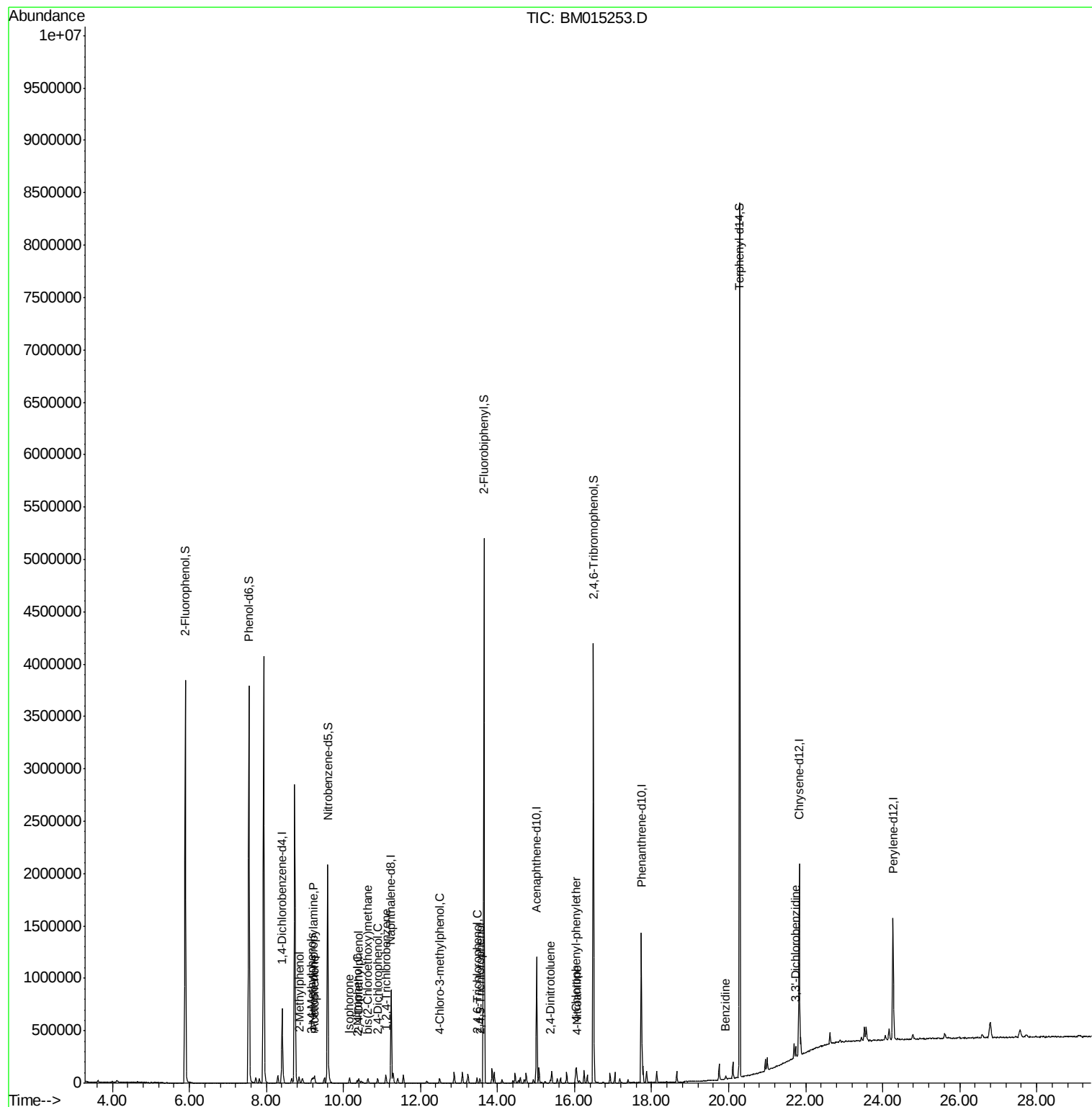
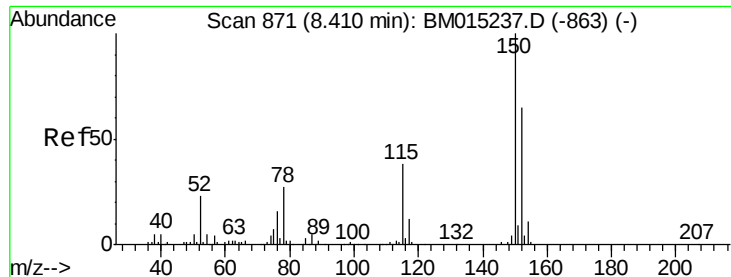


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Data File : BM015253.D
Acq On : 22 May 2018 23:03
Operator : SJ/JU
Sample : J2133-07
Misc : LOD 2 PPM
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

Quant Time: May 23 05:34:17 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration



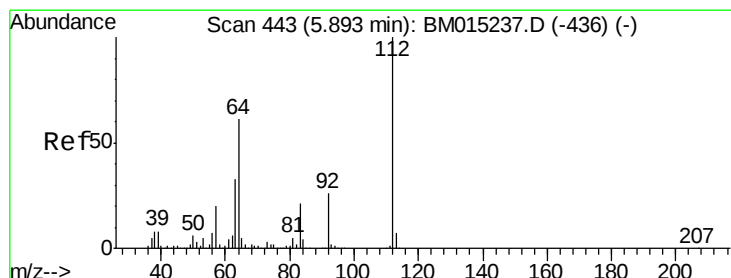
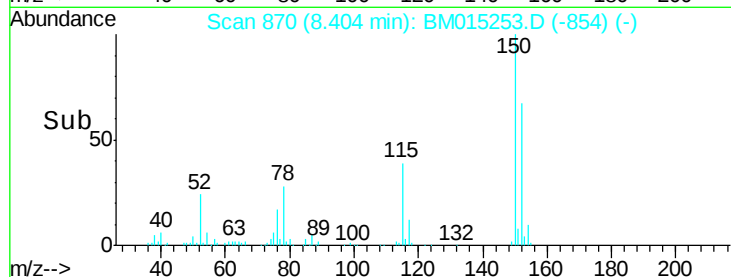
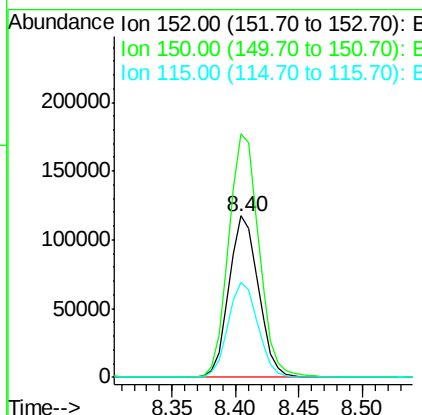
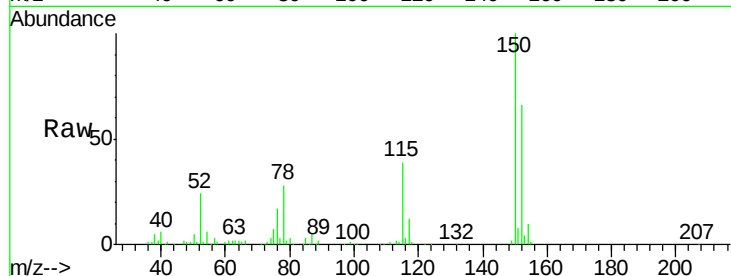


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.40 min Scan# 870
Delta R.T. -0.01 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

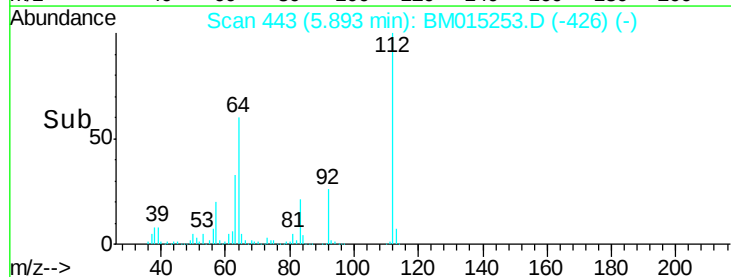
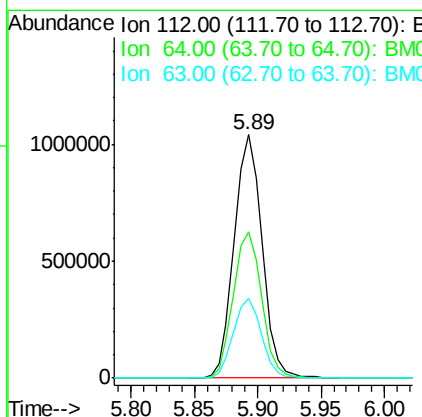
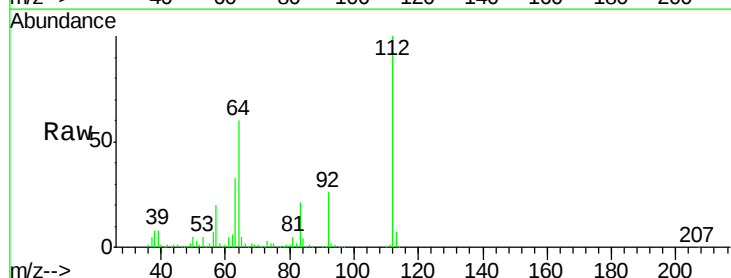
Tgt Ion:152 Resp: 188311
Ion Ratio Lower Upper
152 100
150 151.0 119.5 179.3
115 59.1 43.0 64.4

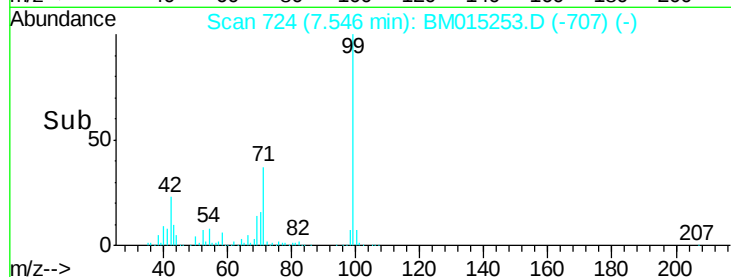
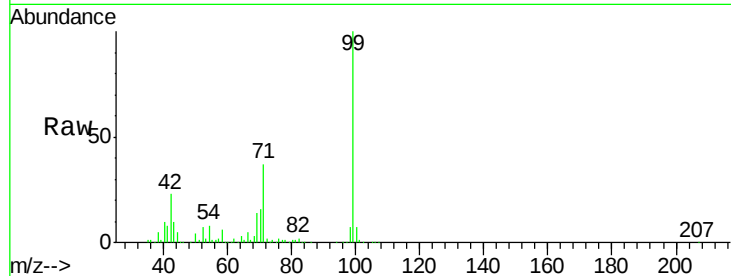
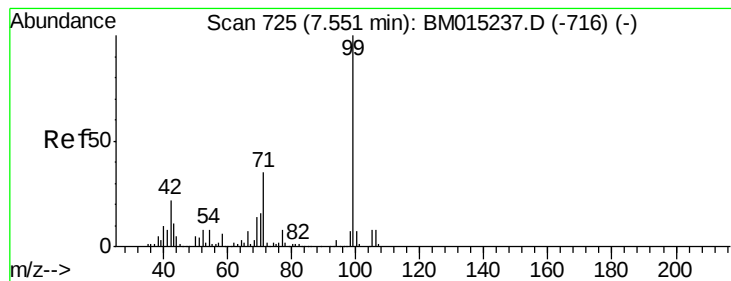


#5

2-Fluorophenol
Concen: 137.882 ng
RT: 5.89 min Scan# 443
Delta R.T. 0.00 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

Tgt Ion:112 Resp: 1587003
Ion Ratio Lower Upper
112 100
64 60.2 38.6 57.8#
63 33.0 19.3 28.9#





#7

Phenol-d6

Concen: 134.485 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: BM015253.D

Acq: 22 May 2018 23:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

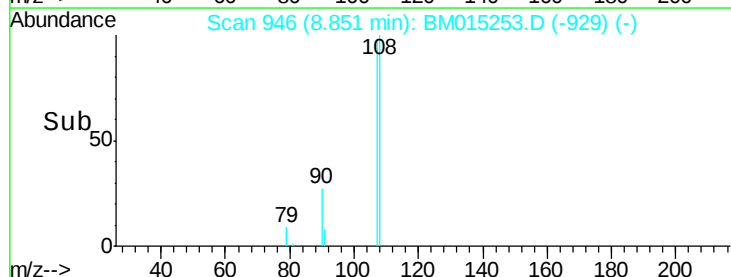
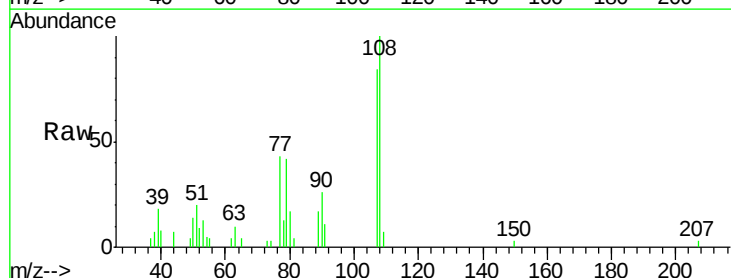
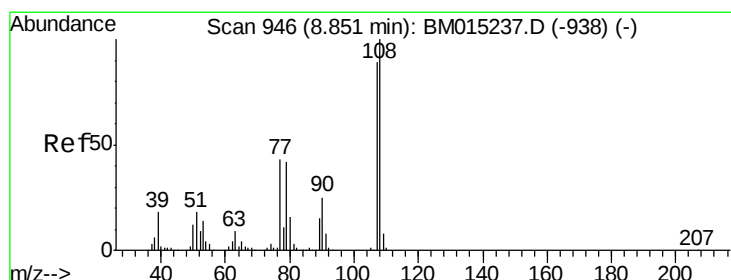
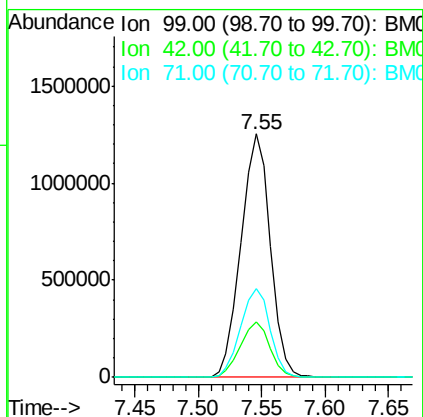
Tgt Ion: 99 Resp: 2015680

Ion Ratio Lower Upper

99 100

42 22.8 11.0 16.4#

71 36.6 23.4 35.2#



#17

2-Methylphenol

Concen: 1.689 ng

RT: 8.85 min Scan# 946

Delta R.T. 0.00 min

Lab File: BM015253.D

Acq: 22 May 2018 23:03

Tgt Ion: 107 Resp: 17093

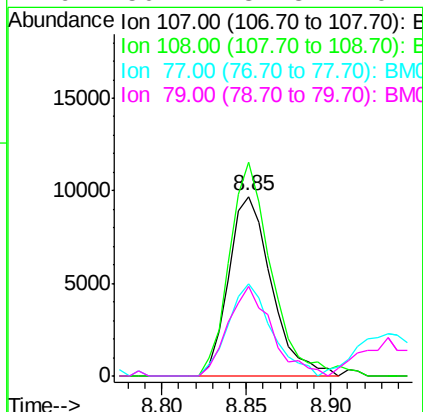
Ion Ratio Lower Upper

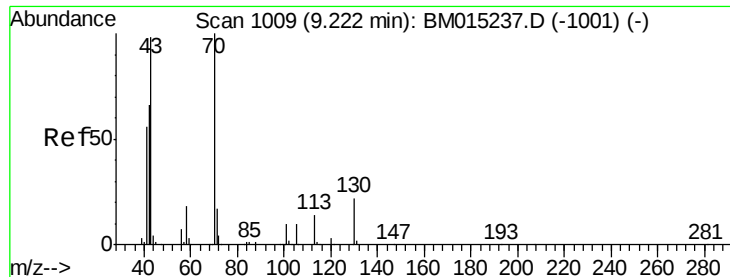
107 100

108 119.0 89.8 134.8

77 51.1 32.6 48.8#

79 50.2 32.8 49.2#

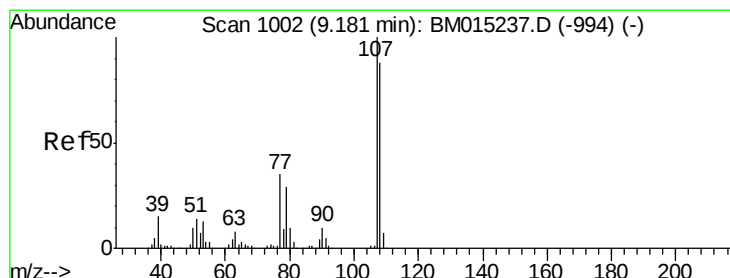
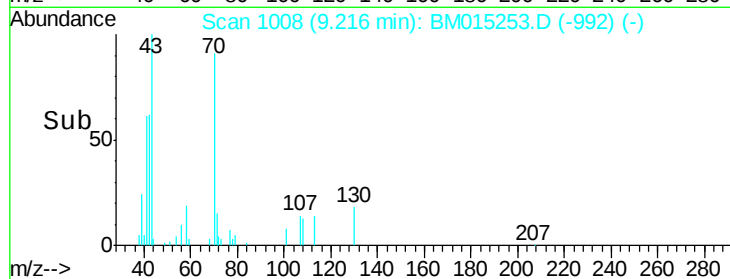
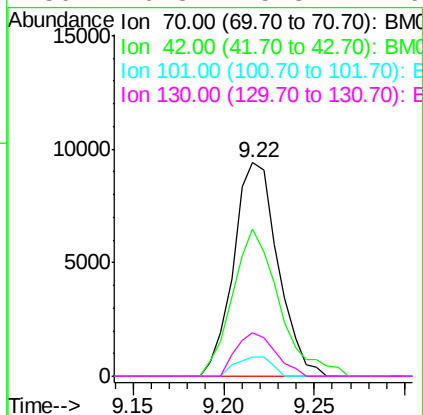
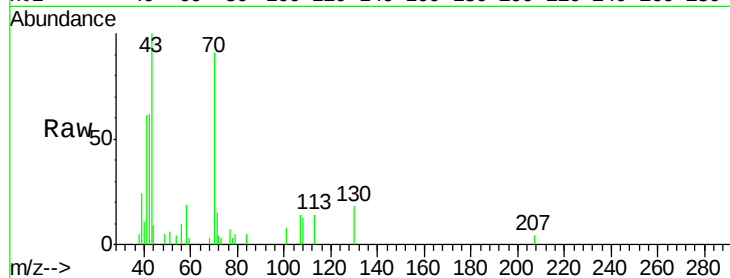




#19
n-Nitroso-di-n-propylamine
Concen: 1.678 ng
RT: 9.22 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

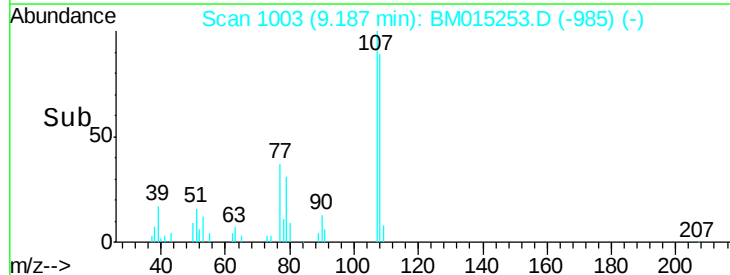
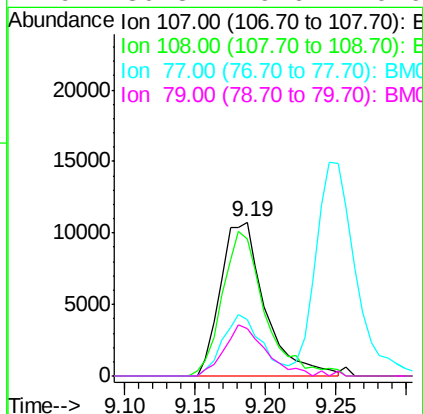
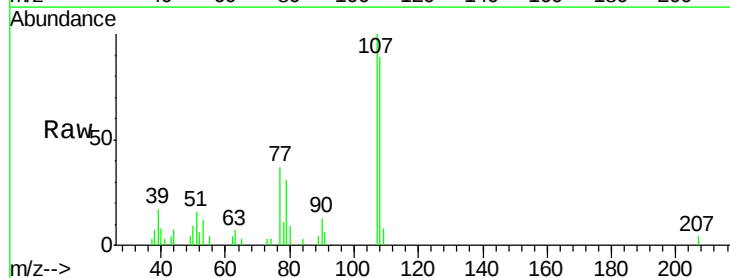
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

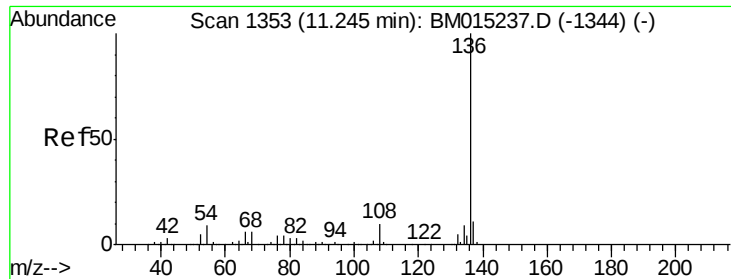
Tgt Ion:	70	Resp:	16027
Ion	Ratio	Lower	Upper
70	100		
42	68.9	44.5	66.7#
101	9.3	7.4	11.2
130	20.3	15.3	22.9



#20
3+4-Methylphenols
Concen: 1.754 ng
RT: 9.19 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

Tgt Ion:	107	Resp:	23568
Ion	Ratio	Lower	Upper
107	100		
108	89.2	73.2	113.2
77	36.7	10.7	50.7
79	30.8	9.6	49.6

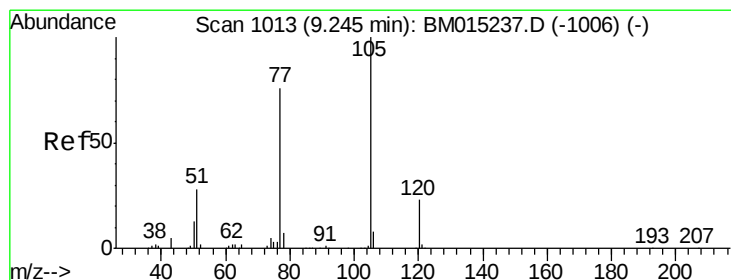
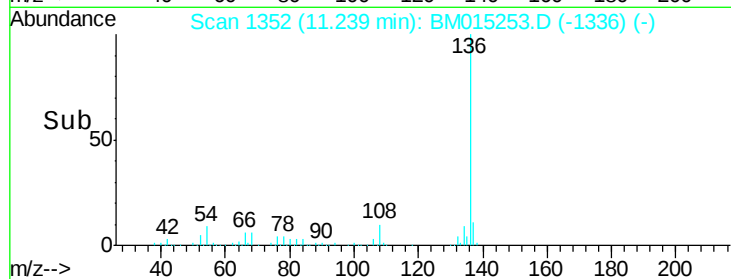
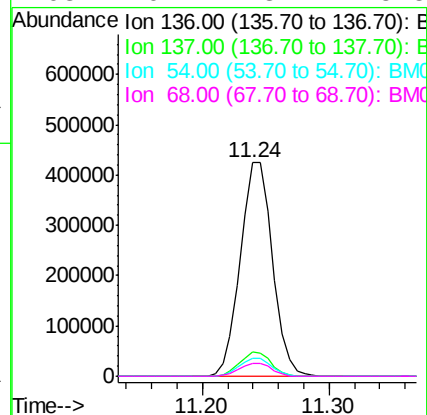
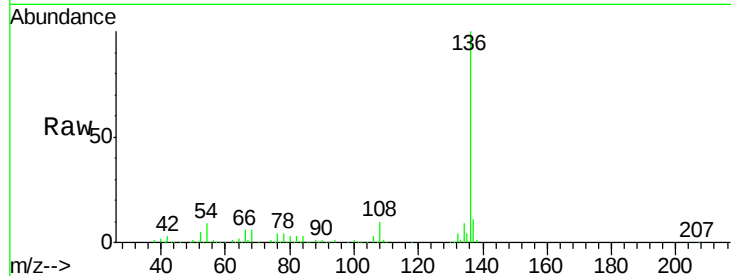




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.24 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

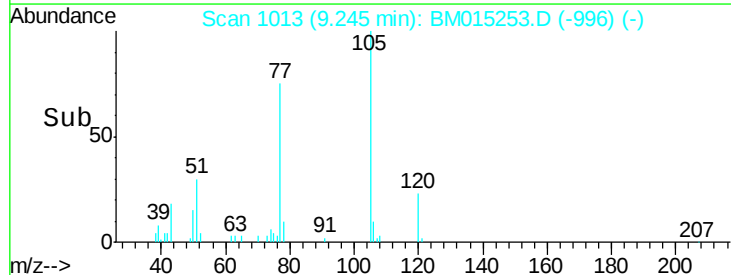
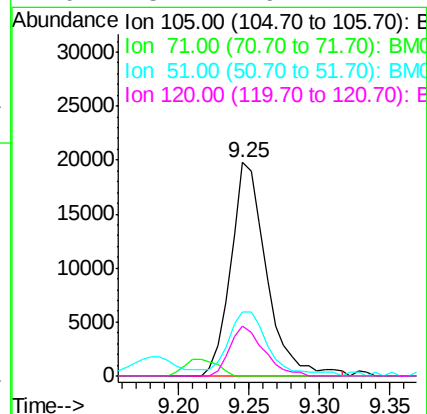
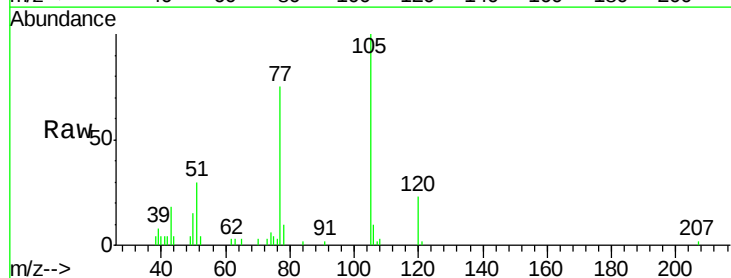
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

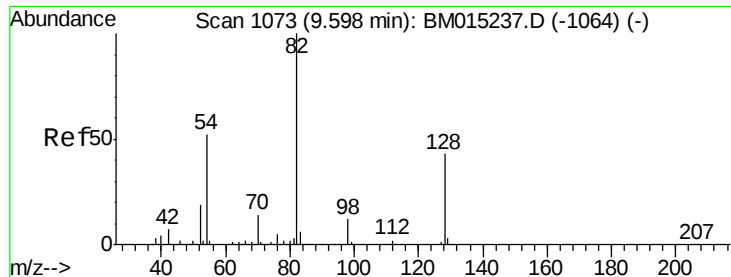
Tgt Ion:	136	Resp:	747438
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	8.6	4.6	6.8#
68	6.1	3.7	5.5#



#22
Acetophenone
Concen: 1.937 ng
RT: 9.25 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

Tgt Ion:	105	Resp:	34729
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	29.8	21.6	32.4
120	23.2	16.1	24.1

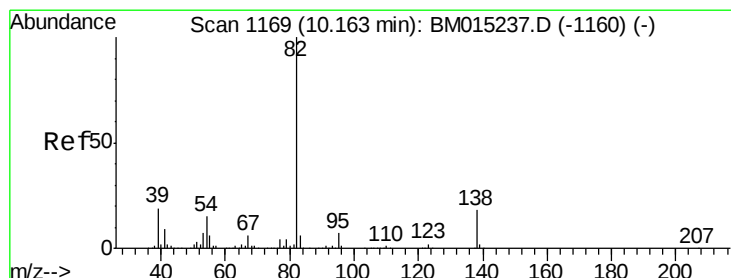
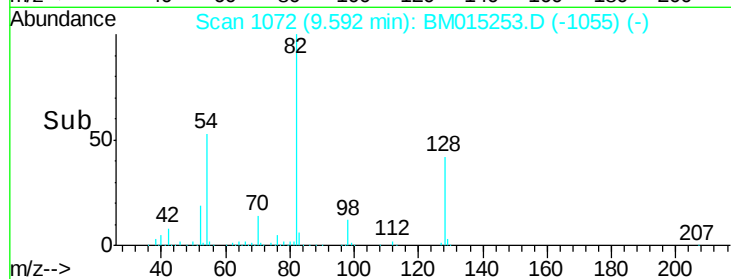
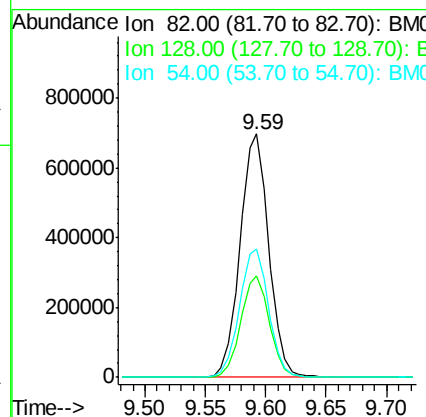
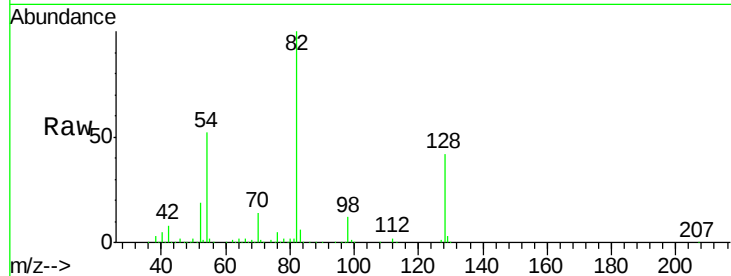




#23
 Nitrobenzene-d5
 Concen: 84.820 ng
 RT: 9.59 min Scan# 1072
 Delta R.T. 0.00 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

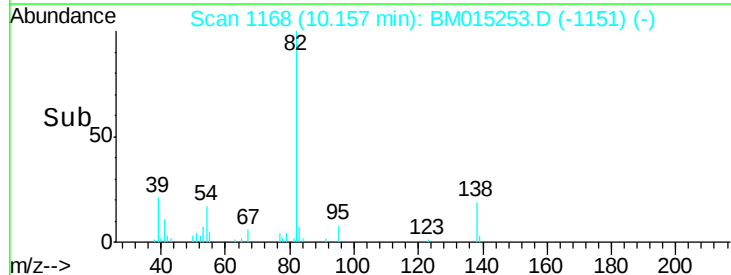
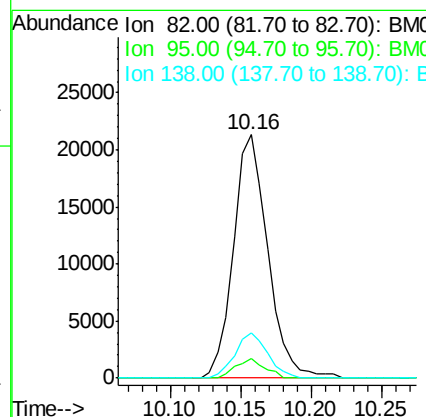
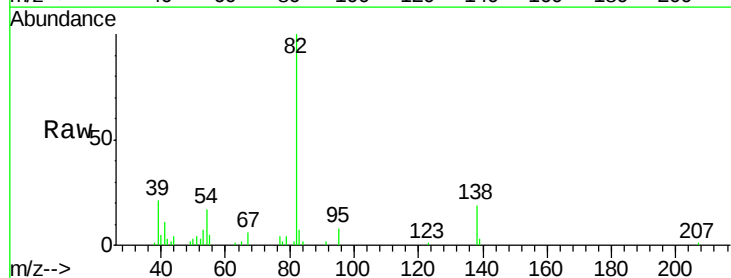
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

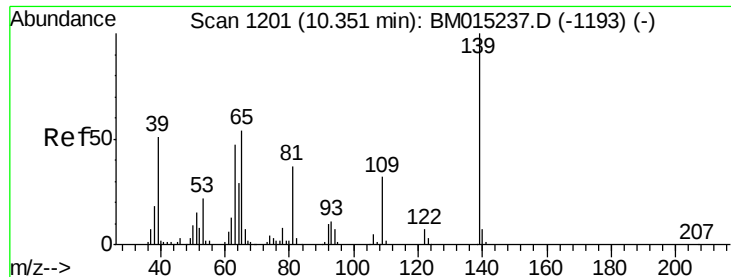
Tgt Ion: 82 Resp: 1157304
 Ion Ratio Lower Upper
 82 100
 128 41.6 32.8 49.2
 54 52.5 40.6 60.8



#25
 Isophorone
 Concen: 1.547 ng
 RT: 10.16 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

Tgt Ion: 82 Resp: 36264
 Ion Ratio Lower Upper
 82 100
 95 7.9 5.8 8.6
 138 18.6 16.3 24.5

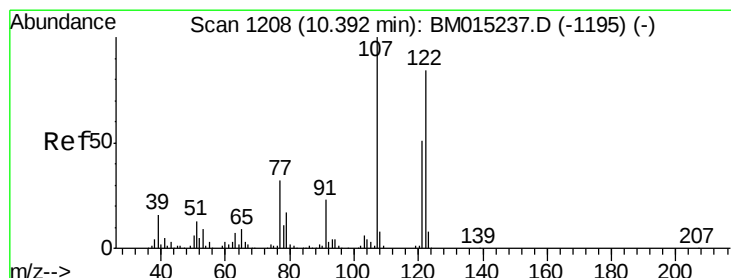
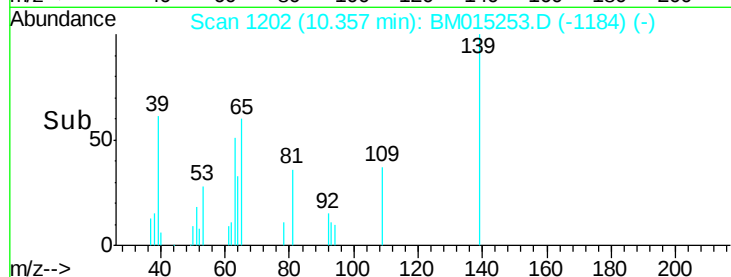
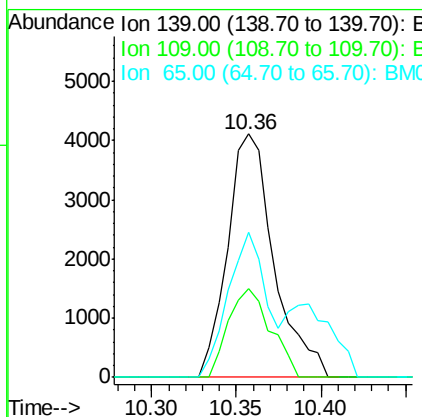
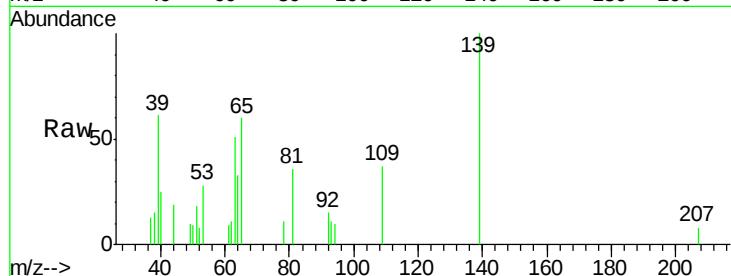




#26
2-Nitrophenol
Concen: 1.234 ng
RT: 10.36 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

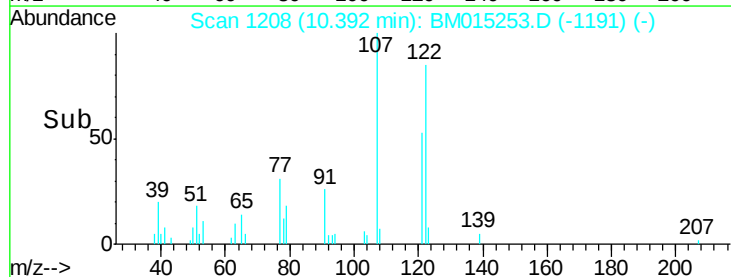
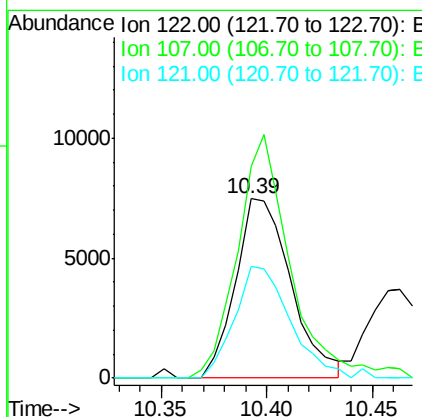
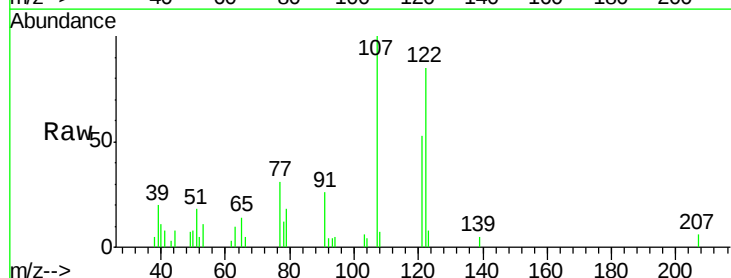
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

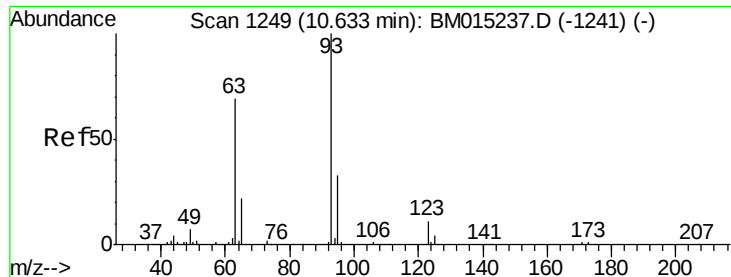
Tgt Ion:139 Resp: 7863
Ion Ratio Lower Upper
139 100
109 36.6 20.1 30.1#
65 59.6 31.5 47.3#



#27
2,4-Dimethylphenol
Concen: 1.180 ng
RT: 10.39 min Scan# 1208
Delta R.T. 0.00 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

Tgt Ion:122 Resp: 13638
Ion Ratio Lower Upper
122 100
107 118.2 84.7 127.1
121 62.8 46.6 69.8

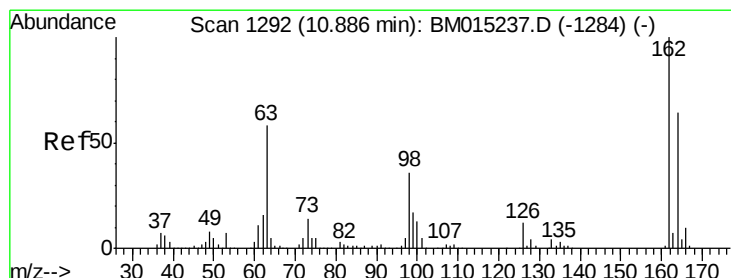
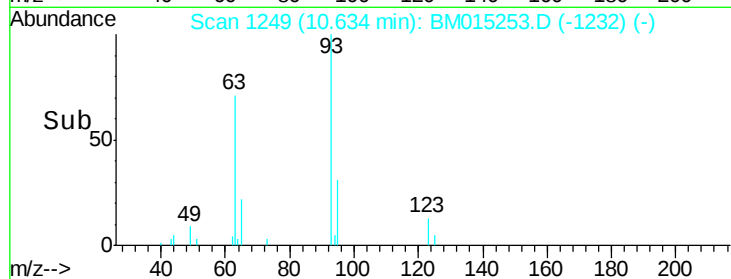
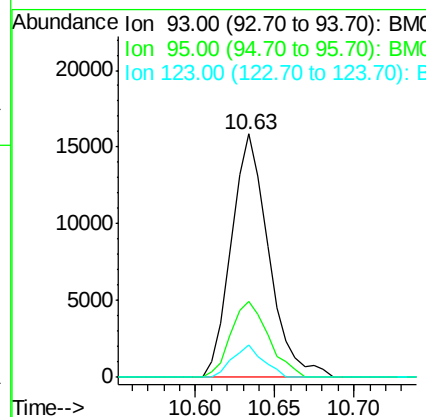
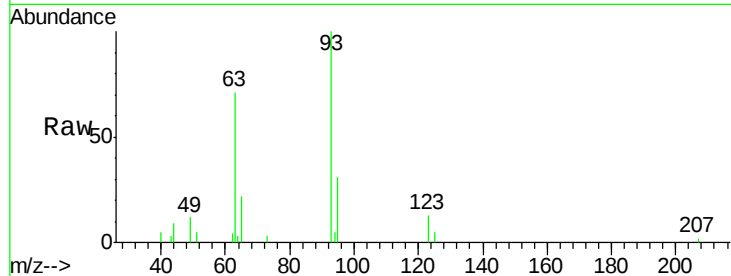




#28
bis(2-Chloroethoxy)methane
Concen: 1.692 ng
RT: 10.63 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

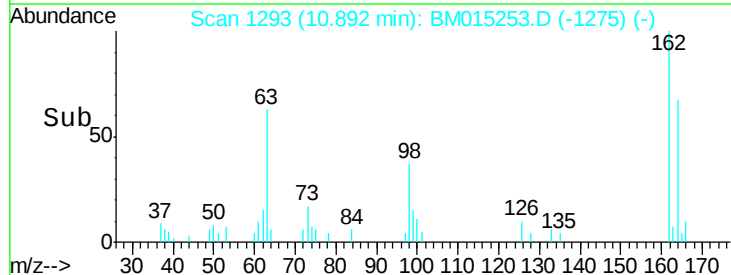
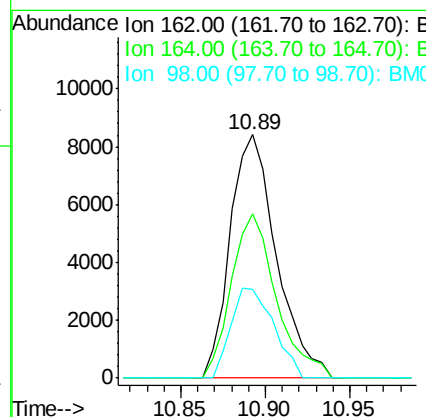
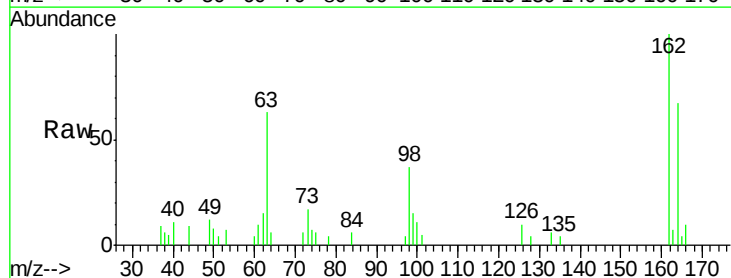
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

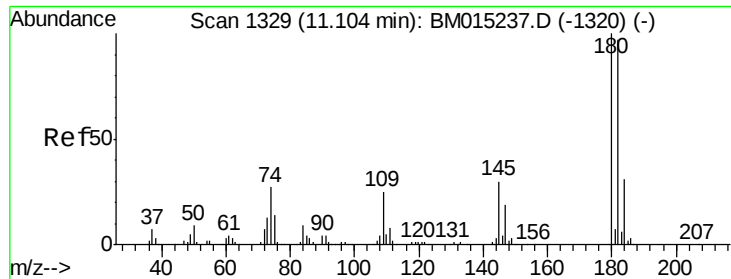
Tgt Ion: 93 Resp: 25963
Ion Ratio Lower Upper
93 100
95 31.3 25.5 38.3
123 13.3 8.6 13.0#



#29
2,4-Dichlorophenol
Concen: 1.464 ng
RT: 10.89 min Scan# 1293
Delta R.T. 0.01 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

Tgt Ion: 162 Resp: 16026
Ion Ratio Lower Upper
162 100
164 67.2 42.8 82.8
98 36.6 14.5 54.5

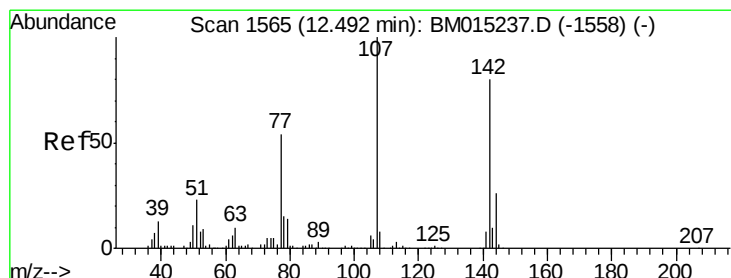
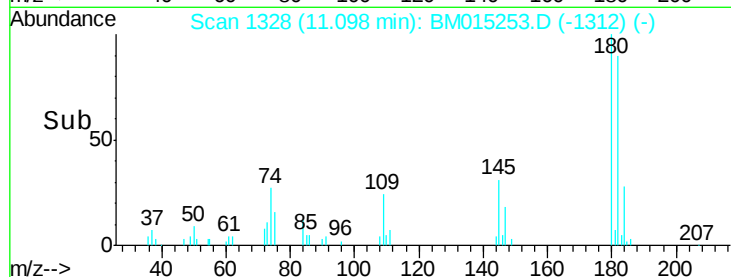
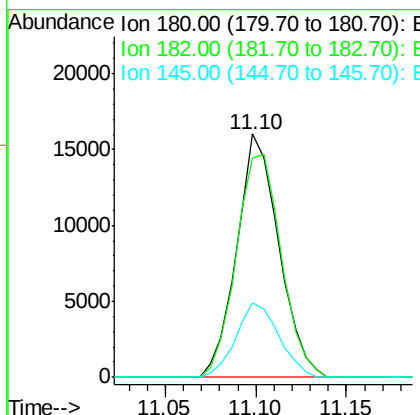
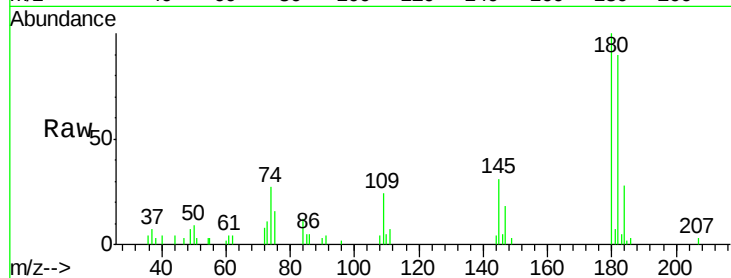




#30
 1,2,4-Trichlorobenzene
 Concen: 2.007 ng
 RT: 11.10 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

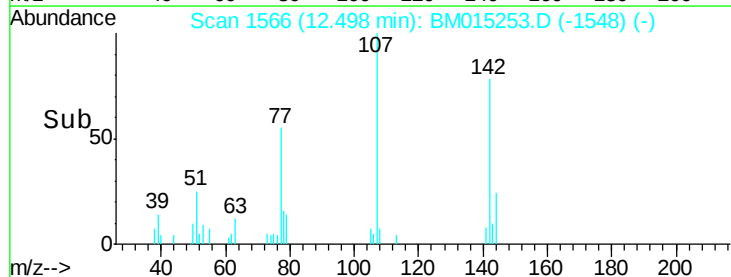
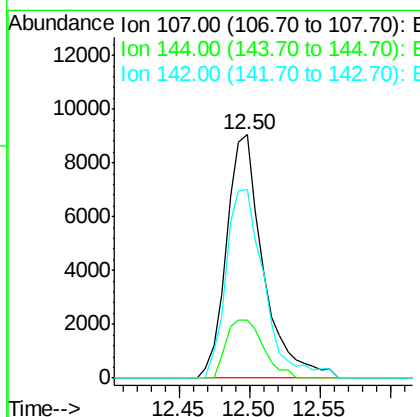
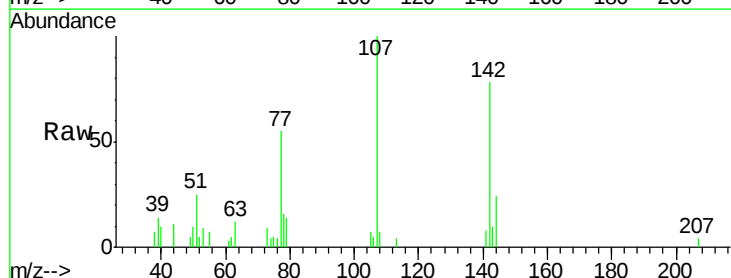
Instrument :
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 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

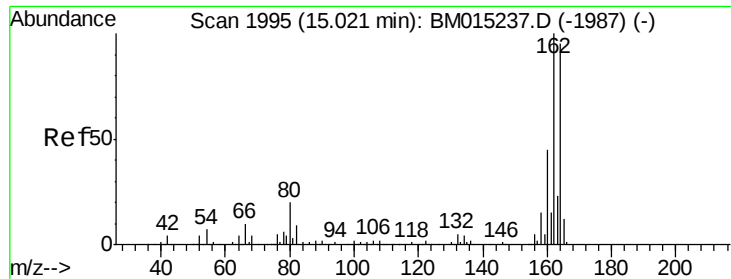
Tgt Ion:180 Resp: 25888
 Ion Ratio Lower Upper
 180 100
 182 90.0 77.6 116.4
 145 30.5 23.4 35.2



#36
 4-Chloro-3-methylphenol
 Concen: 1.468 ng
 RT: 12.50 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

Tgt Ion:107 Resp: 16416
 Ion Ratio Lower Upper
 107 100
 144 23.9 23.3 34.9
 142 77.7 72.6 109.0

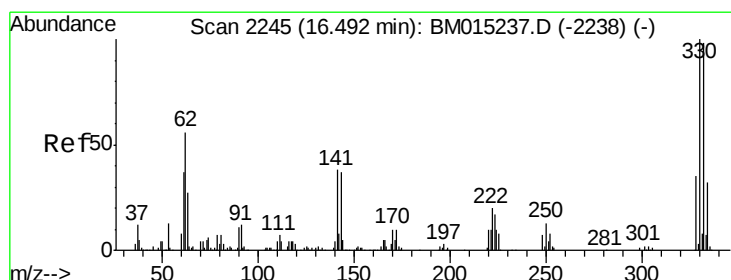
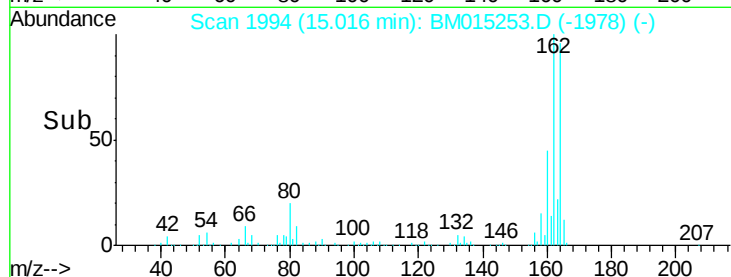
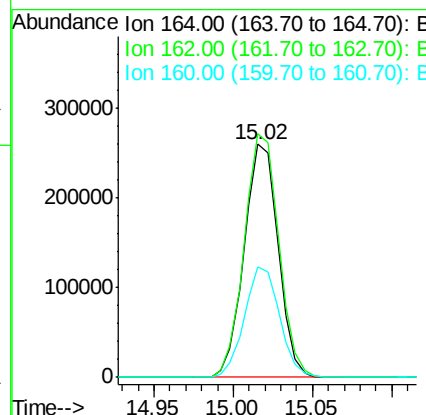
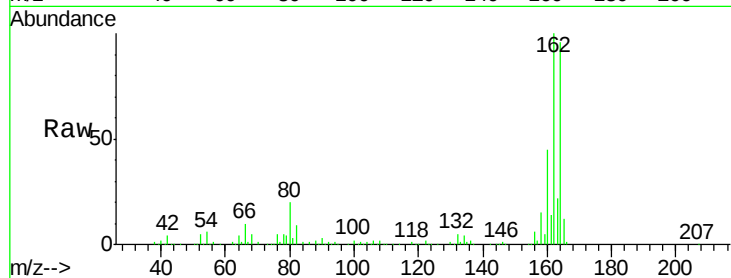




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.02 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

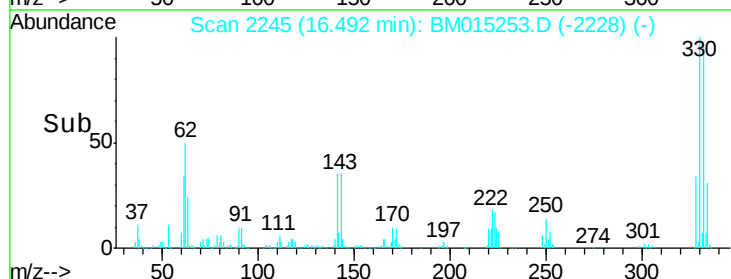
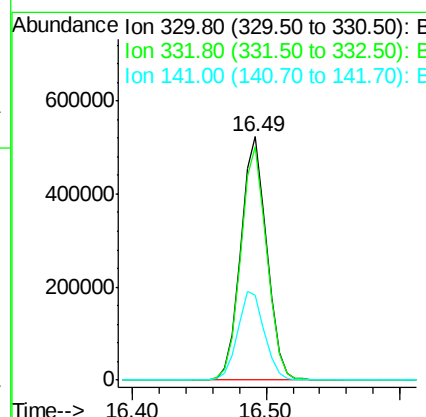
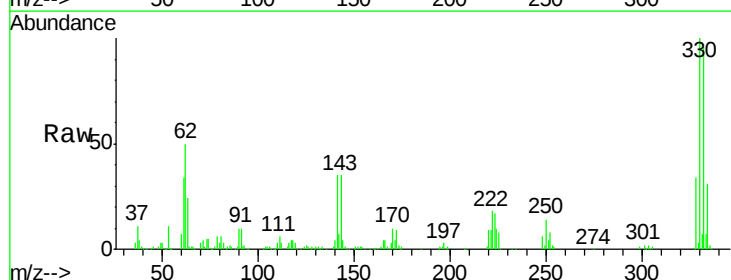
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

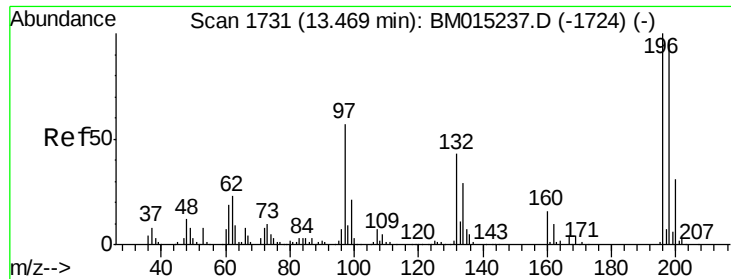
Tgt Ion:164 Resp: 386591
Ion Ratio Lower Upper
164 100
162 104.4 82.4 123.6
160 47.5 35.8 53.6



#41
2,4,6-Tribromophenol
Concen: 145.850 ng
RT: 16.49 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

Tgt Ion:330 Resp: 707039
Ion Ratio Lower Upper
330 100
332 96.0 0.0 0.0#
141 37.8 0.0 0.0#

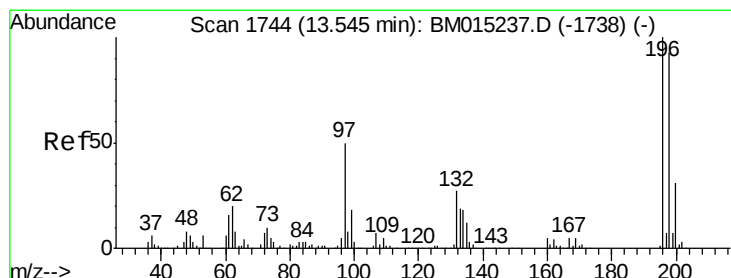
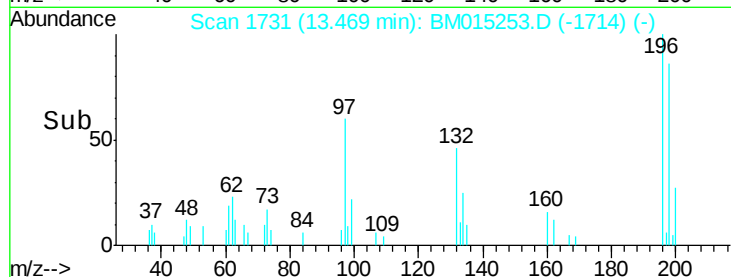
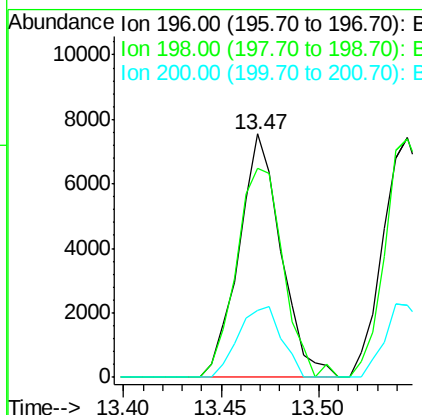
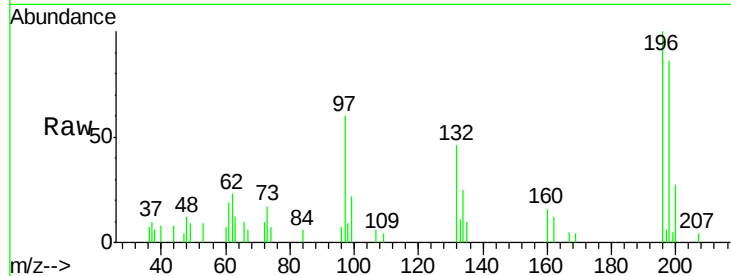




#42
 2,4,6-Trichlorophenol
 Concen: 1.385 ng
 RT: 13.47 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

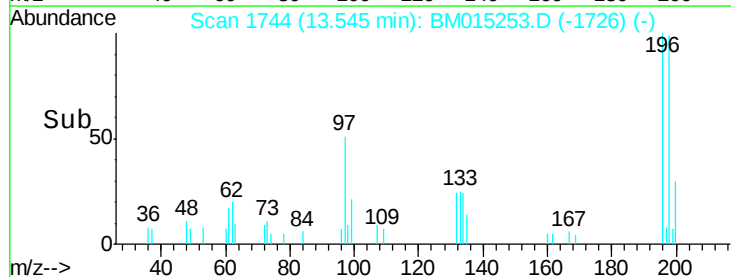
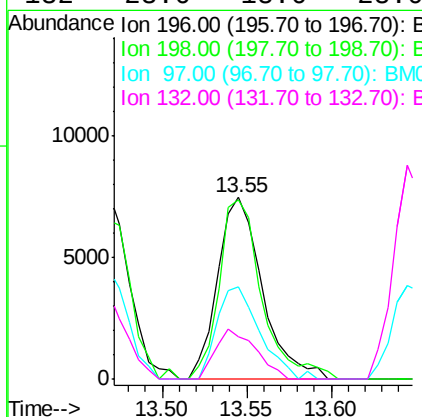
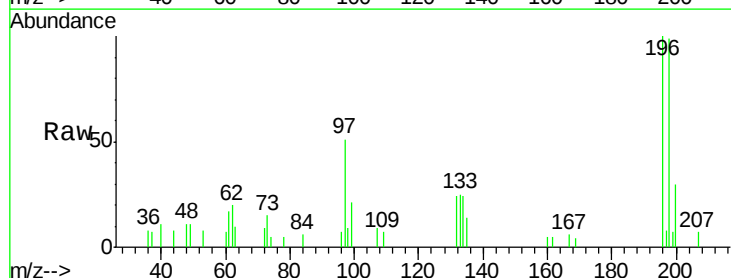
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

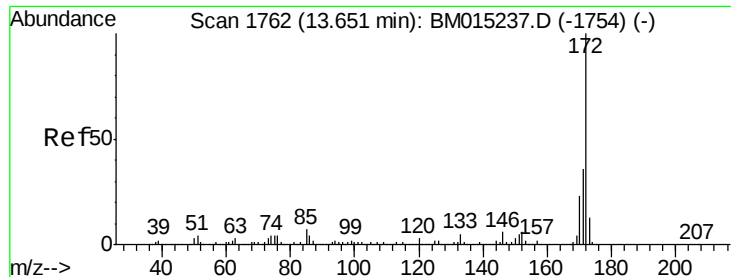
Tgt Ion:196 Resp: 11335
 Ion Ratio Lower Upper
 196 100
 198 85.7 76.3 114.5
 200 27.4 25.6 38.4



#43
 2,4,5-Trichlorophenol
 Concen: 1.555 ng
 RT: 13.55 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

Tgt Ion:196 Resp: 13742
 Ion Ratio Lower Upper
 196 100
 198 99.2 79.4 119.0
 97 51.0 26.8 40.2#
 132 23.6 18.6 28.0

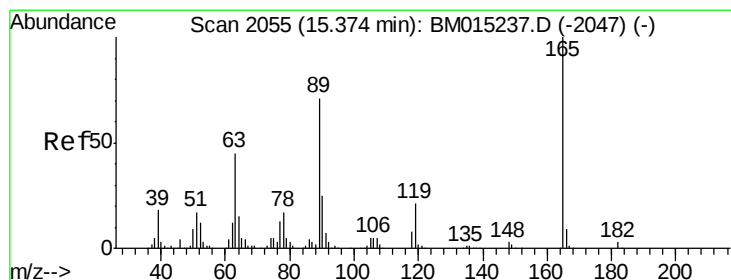
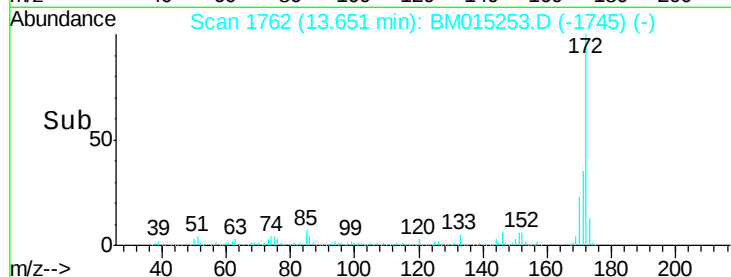
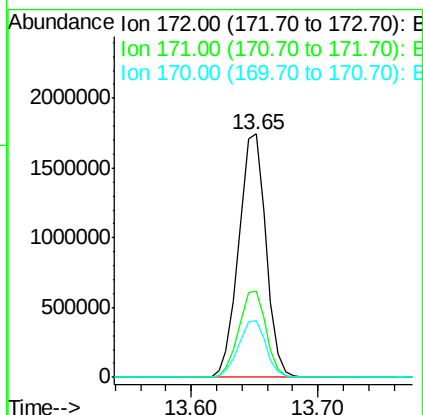
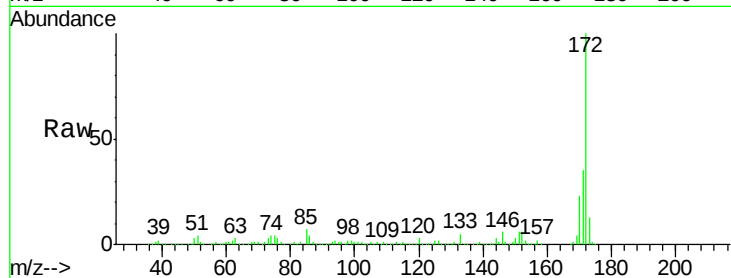




#44
 2-Fluorobiphenyl
 Concen: 83.059 ng
 RT: 13.65 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

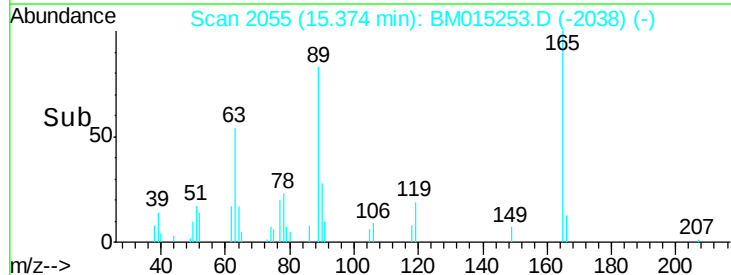
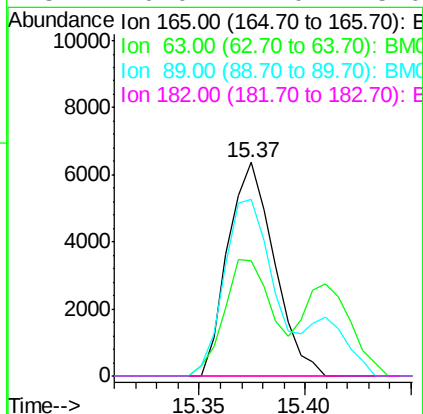
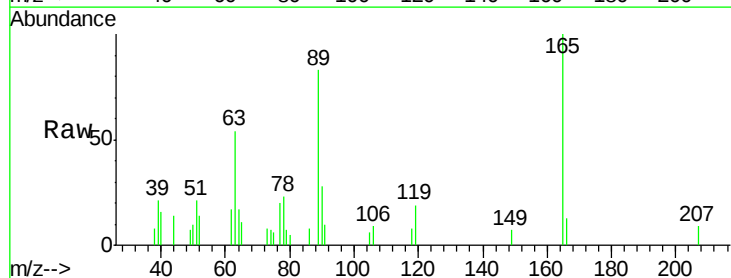
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

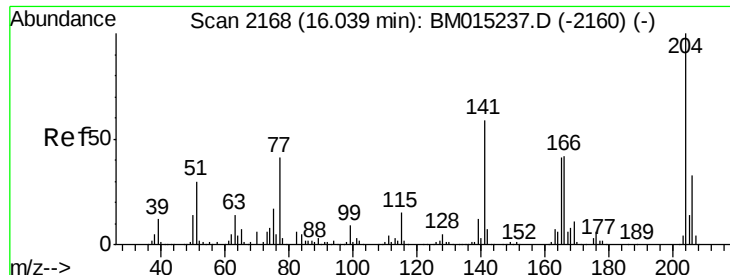
Tgt Ion:172 Resp: 2582992
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.5 42.7
 170 23.2 18.8 28.2



#56
 2,4-Dinitrotoluene
 Concen: 1.097 ng
 RT: 15.37 min Scan# 2055
 Delta R.T. 0.00 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

Tgt Ion:165 Resp: 9666
 Ion Ratio Lower Upper
 165 100
 63 54.2 52.4 78.6
 89 82.8 72.4 108.6
 182 0.0 2.0 3.0#

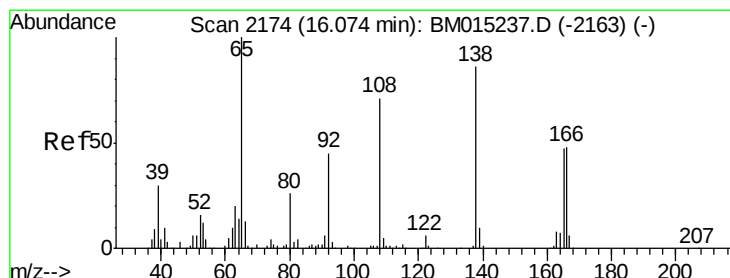
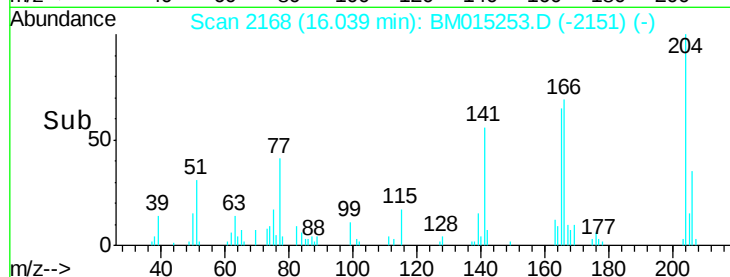
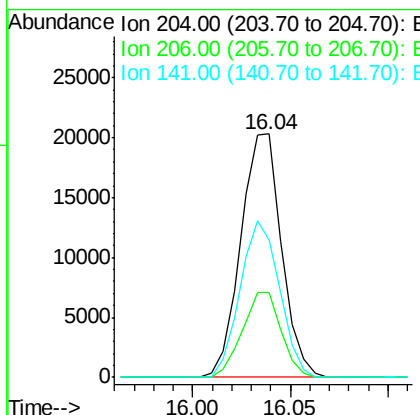
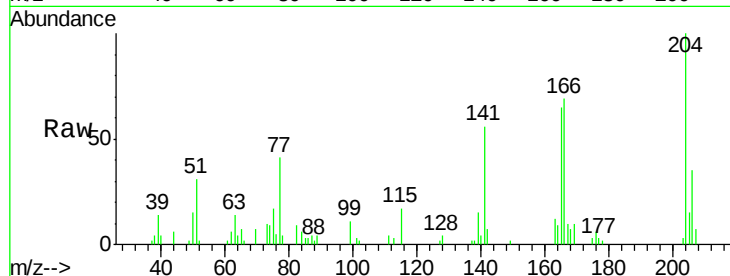




#60
 4-Chlorophenyl-phenylether
 Concen: 1.922 ng
 RT: 16.04 min Scan# 2168
 Delta R.T. 0.00 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

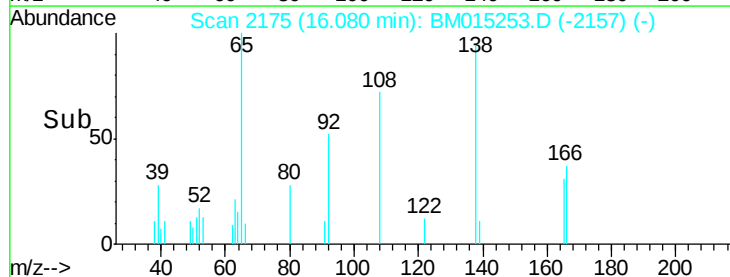
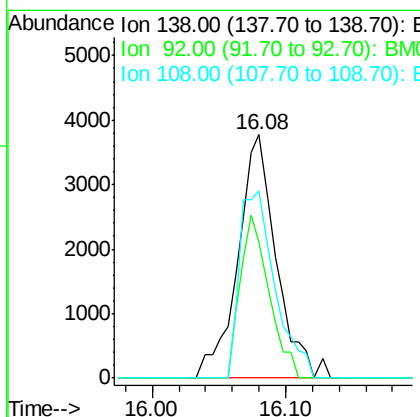
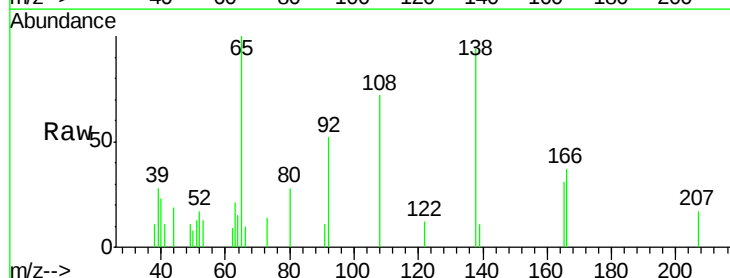
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

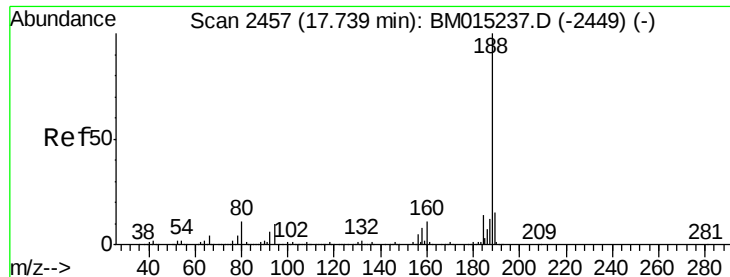
Tgt Ion: 204 Resp: 29386
 Ion Ratio Lower Upper
 204 100
 206 35.1 26.6 39.8
 141 56.5 45.2 67.8



#61
 4-Nitroaniline
 Concen: 1.060 ng
 RT: 16.08 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

Tgt Ion: 138 Resp: 7512
 Ion Ratio Lower Upper
 138 100
 92 56.0 16.7 56.7
 108 77.1 37.6 77.6

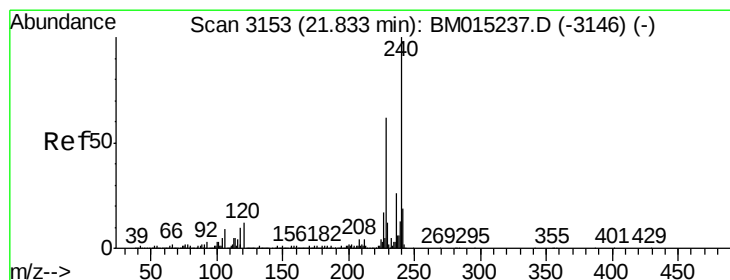
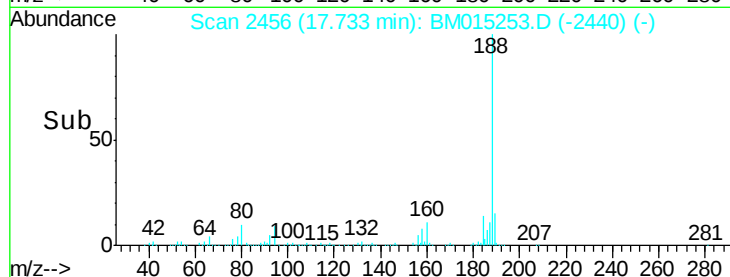
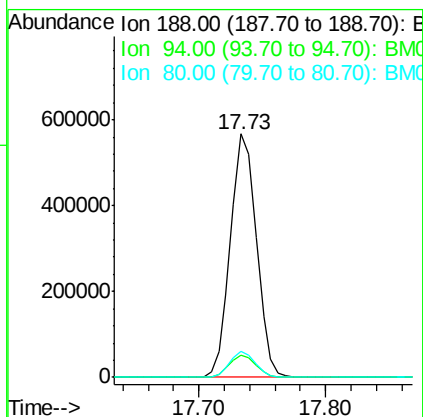
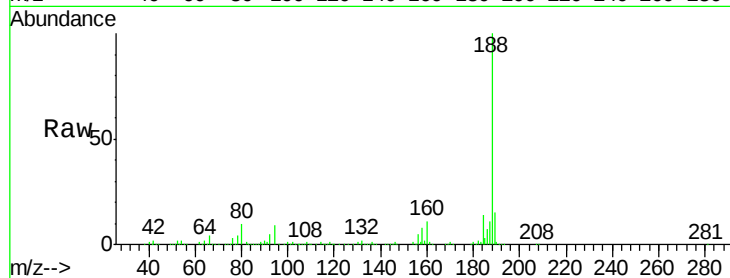




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.73 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

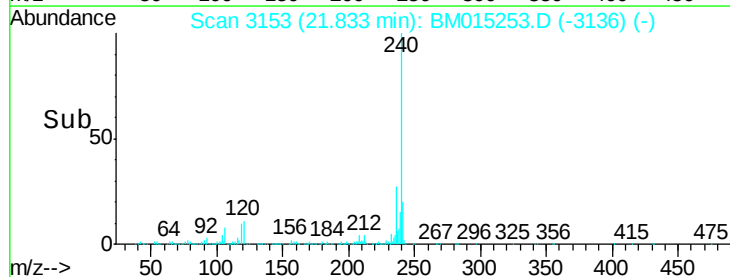
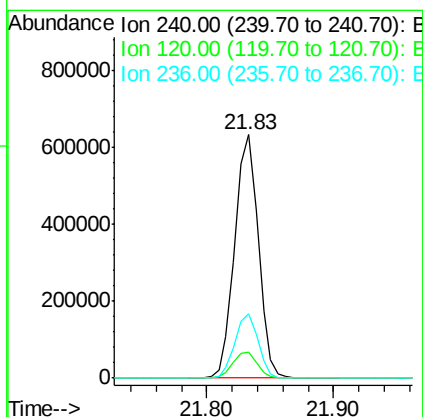
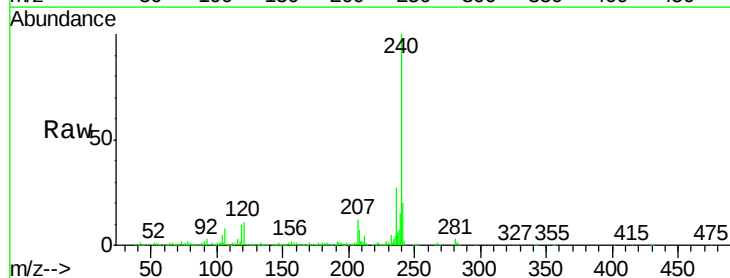
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

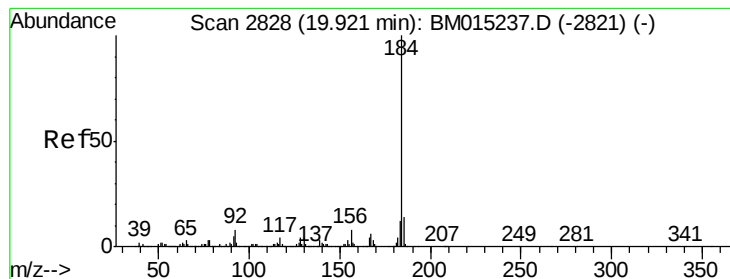
Tgt Ion:188 Resp: 808980
Ion Ratio Lower Upper
188 100
94 9.1 8.7 13.1
80 10.4 9.3 13.9



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.83 min Scan# 3153
Delta R.T. 0.00 min
Lab File: BM015253.D
Acq: 22 May 2018 23:03

Tgt Ion:240 Resp: 811910
Ion Ratio Lower Upper
240 100
120 10.8 8.2 12.2
236 26.6 20.0 30.0





#76

Benzidine

Concen: 0.867 ng

RT: 19.93 min Scan# 2829

Delta R.T. 0.01 min

Lab File: BM015253.D

Acq: 22 May 2018 23:03

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

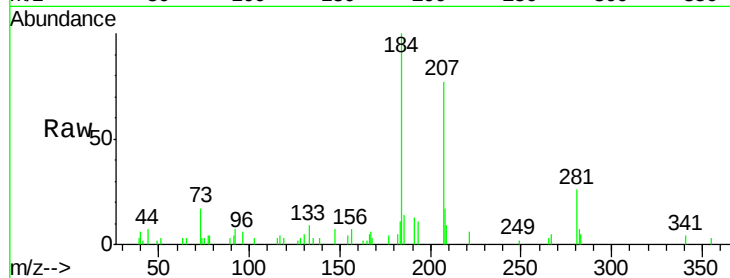
Tgt Ion:184 Resp: 22045

Ion Ratio Lower Upper

184 100

185 13.8 11.3 16.9

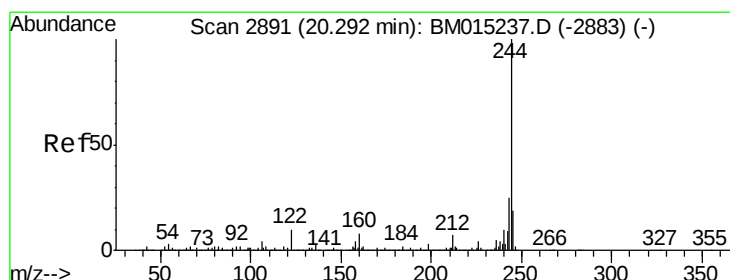
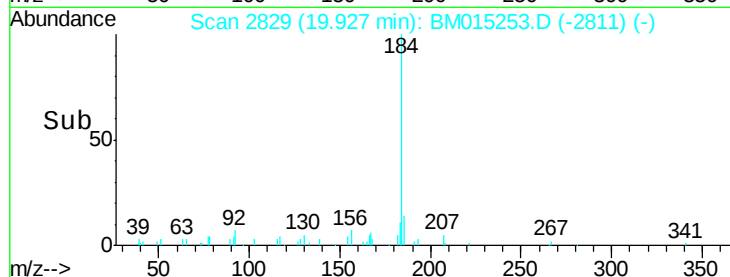
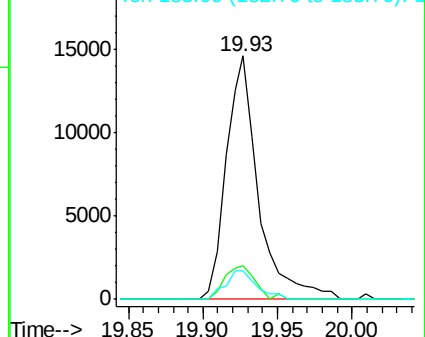
183 11.5 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 93.740 ng

RT: 20.29 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BM015253.D

Acq: 22 May 2018 23:03

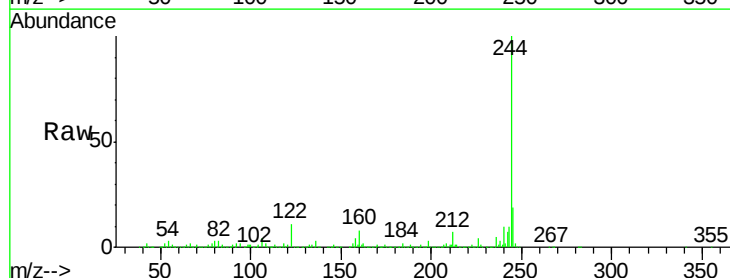
Tgt Ion:244 Resp: 3446608

Ion Ratio Lower Upper

244 100

212 7.3 4.9 7.3

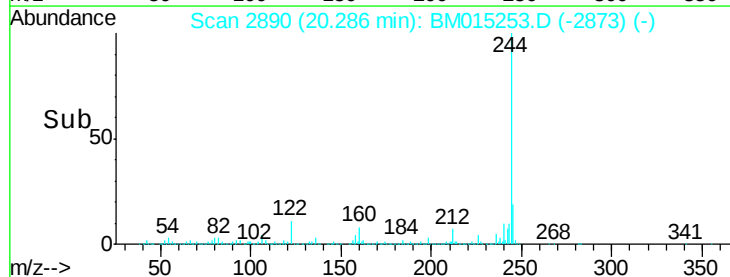
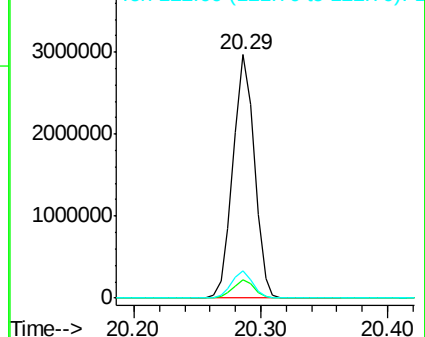
122 11.0 6.2 9.4#

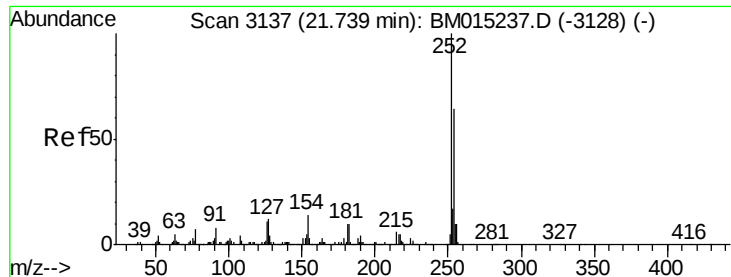


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

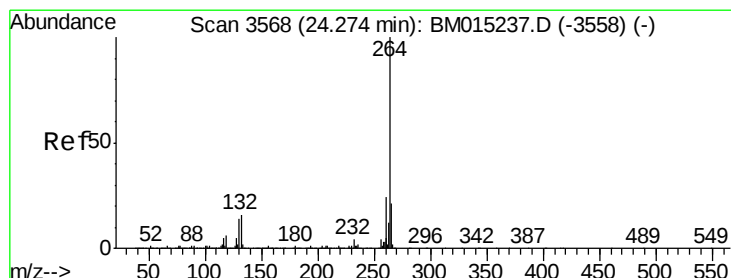
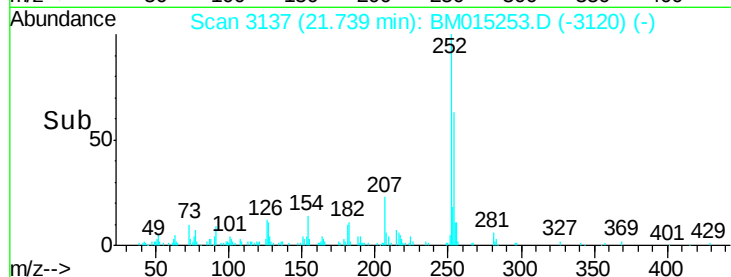
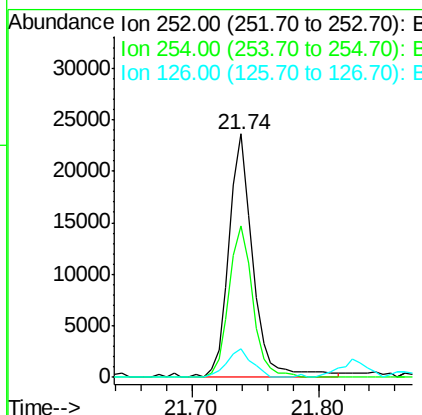
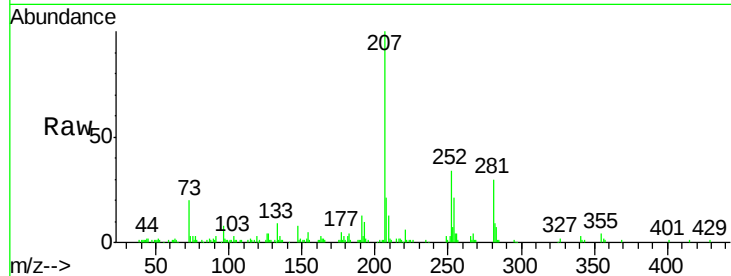




#81
 3,3'-Dichlorobenzidine
 Concen: 1.644 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. 0.00 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

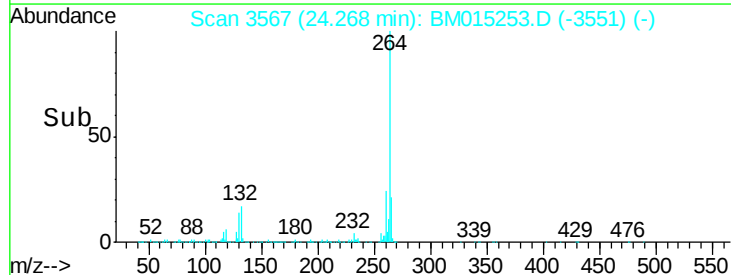
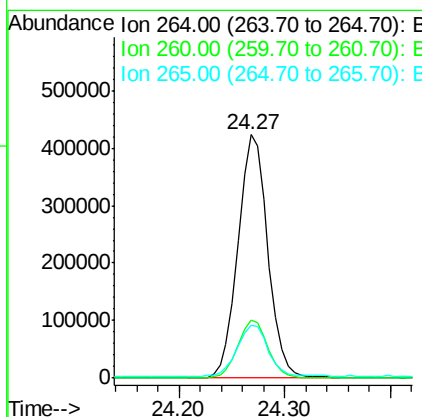
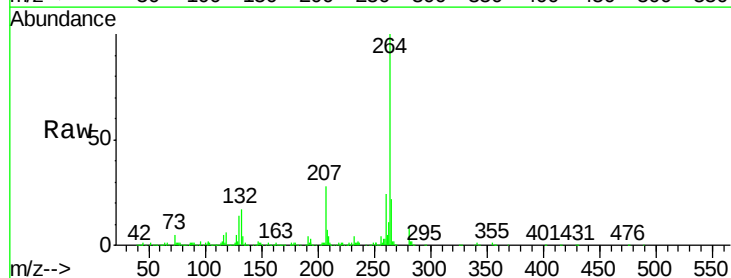
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Tgt Ion: 252 Resp: 31137
 Ion Ratio Lower Upper
 252 100
 254 62.5 51.9 77.9
 126 11.8 9.8 14.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.27 min Scan# 3567
 Delta R.T. -0.01 min
 Lab File: BM015253.D
 Acq: 22 May 2018 23:03

Tgt Ion: 264 Resp: 830378
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 27.8
 265 21.9 17.3 25.9



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015253.D
 Acq On : 22 May 2018 23:03
 Operator : SJ/JU
 Sample : J2133-07
 Misc : LOD 2 PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

Quant Time: May 23 05:34:17 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	188311	20.00	ng	0.00
21) Naphthalene-d8	11.24	136	747438	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	386591	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	808980	20.00	ng	0.00
75) Chrysene-d12	21.83	240	811910	20.00	ng	0.00
86) Perylene-d12	24.27	264	830378	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.89	112	1587003	137.88	ng	0.00
7) Phenol-d6	7.55	99	2015680	134.49	ng	0.00
23) Nitrobenzene-d5	9.59	82	1157304	84.82	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	707039	145.85	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2582992	83.06	ng	0.00
78) Terphenyl-d14	20.29	244	3446608	93.74	ng	0.00

Target Compounds

						Qvalue
17) 2-Methylphenol	8.85	107	17093	1.689	ng	# 90
19) n-Nitroso-di-n-propylamine	9.22	70	16027	1.678	ng	# 87
20) 3+4-Methylphenols	9.19	107	23568	1.754	ng	95
22) Acetophenone	9.25	105	34729	1.937	ng	# 94
25) Isophorone	10.16	82	36264	1.547	ng	97
26) 2-Nitrophenol	10.36	139	7863	1.234	ng	# 71
27) 2,4-Dimethylphenol	10.39	122	13638	1.180	ng	90
28) bis(2-Chloroethoxy)methane	10.63	93	25963	1.692	ng	# 97
29) 2,4-Dichlorophenol	10.89	162	16026	1.464	ng	95
30) 1,2,4-Trichlorobenzene	11.10	180	25888	2.007	ng	94
36) 4-Chloro-3-methylphenol	12.50	107	16416	1.468	ng	87
42) 2,4,6-Trichlorophenol	13.47	196	11335	1.385	ng	91
43) 2,4,5-Trichlorophenol	13.55	196	13742	1.555	ng	# 93
56) 2,4-Dinitrotoluene	15.37	165	9666	1.097	ng	# 89
60) 4-Chlorophenyl-phenylether	16.04	204	29386	1.922	ng	99
61) 4-Nitroaniline	16.08	138	7512	1.060	ng	71
76) Benzidine	19.93	184	22045	0.867	ng	99
81) 3,3'-Dichlorobenzidine	21.74	252	31137	1.644	ng	97

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