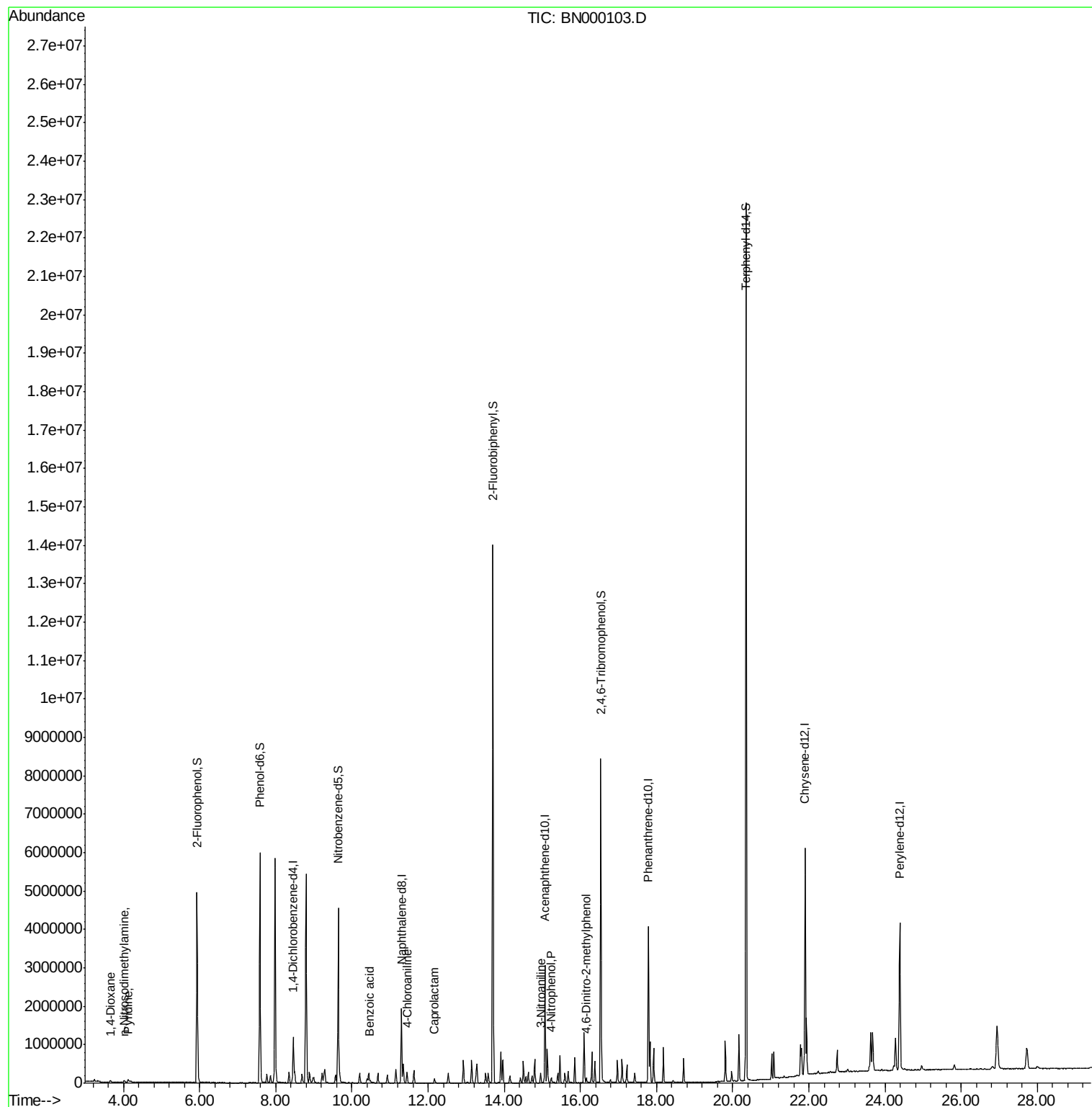


Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
Data File : BN000103.D
Acq On : 15 Feb 2018 18:42
Operator : JU/SJ
Sample : J1161-07
Misc : 5 PPM LOD
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Quant Time: Feb 16 10:22:20 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 18:24:45 2018
Response via : Initial Calibration



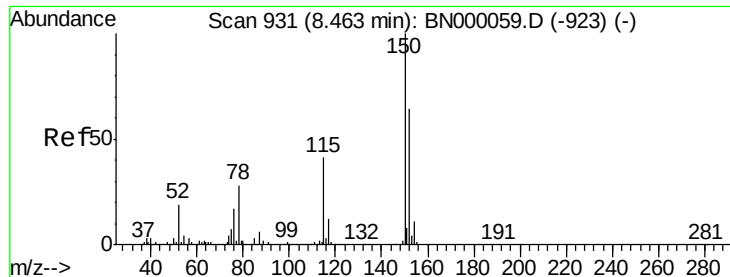
Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000103.D
 Acq On : 15 Feb 2018 18:42
 Operator : JU/SJ
 Sample : J1161-07
 Misc : 5 PPM LOD
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Quant Time: Feb 16 10:22:20 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 18:24:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	325893	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	1630822	20.00	ng	-0.01
38) Acenaphthene-d10	15.07	164	989108	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	2247572	20.00	ng	-0.01
75) Chrysene-d12	21.90	240	2512442	20.00	ng	-0.02
86) Perylene-d12	24.39	264	2675473	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.93	112	2653406	132.69	ng	-0.01
7) Phenol-d6	7.58	99	3849374	127.09	ng	-0.01
23) Nitrobenzene-d5	9.64	82	2735172	99.72	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1322517	135.08	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	6905159	98.39	ng	-0.01
78) Terphenyl-d14	20.35	244	9056143	97.33	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.66	88	35848	4.455	ng	99
3) Pyridine	4.12	79	99188	3.960	ng	99
4) n-Nitrosodimethylamine	4.01	42	28479	4.021	ng	91
32) Benzoic acid	10.48	122	24682m	11.598	ng	
33) 4-Chloroaniline	11.45	127	143480	3.653	ng	94
35) Caprolactam	12.16	113	22904	6.129	ng	93
52) 3-Nitroaniline	14.96	138	60484	2.915	ng	# 97
55) 4-Nitrophenol	15.23	139	37999	7.072	ng	# 82
64) 4,6-Dinitro-2-methylphenol	16.16	198	21700	10.376	ng	89

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

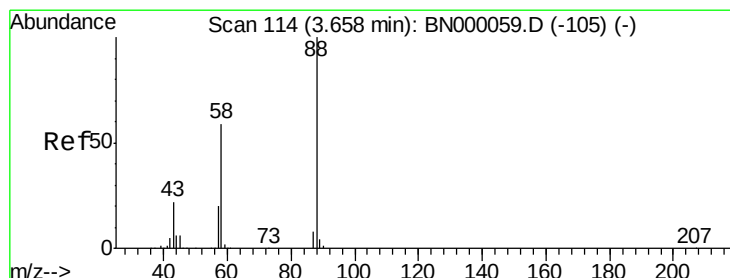
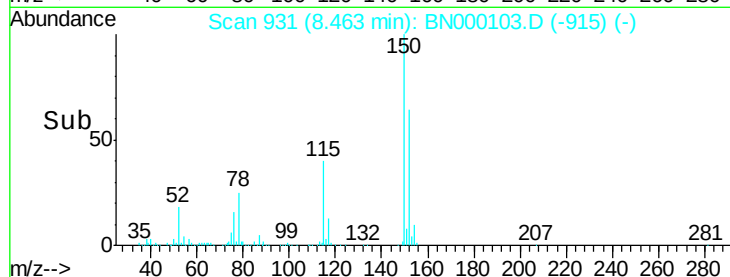
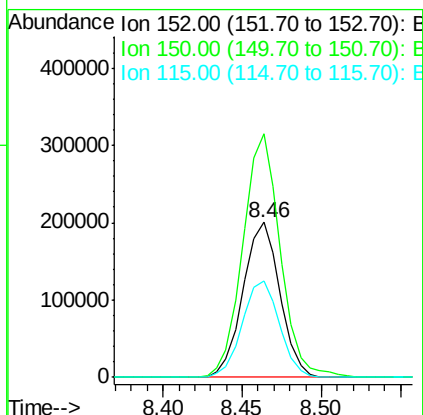
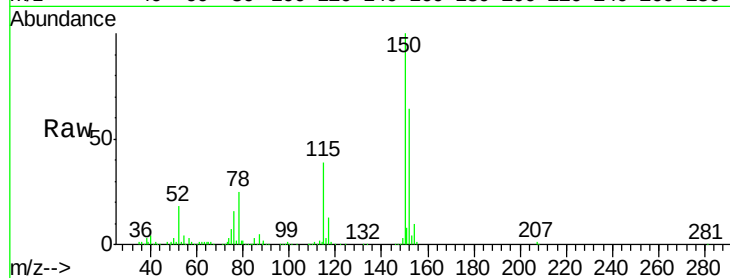


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

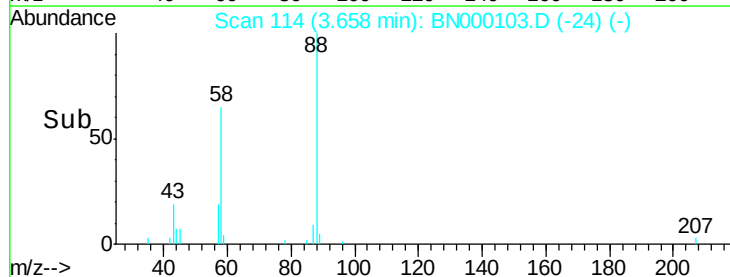
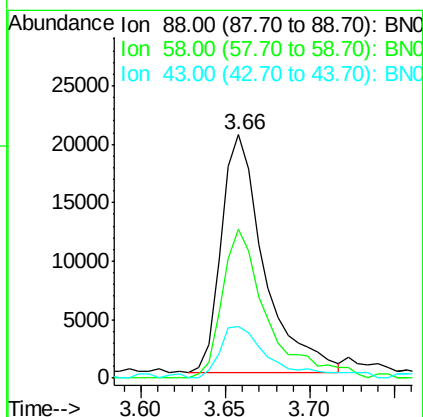
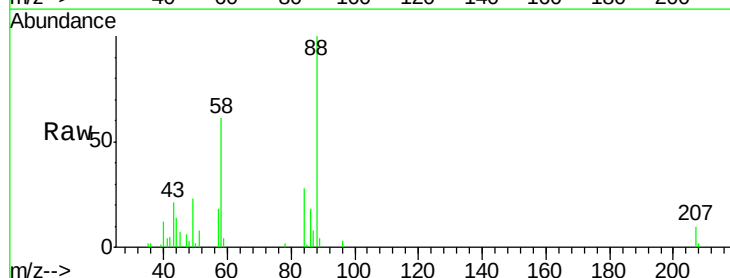
Tot Ion:152 Resp: 325893
Ion Ratio Lower Upper
152 100
150 157.3 126.6 189.8
115 61.9 53.0 79.4

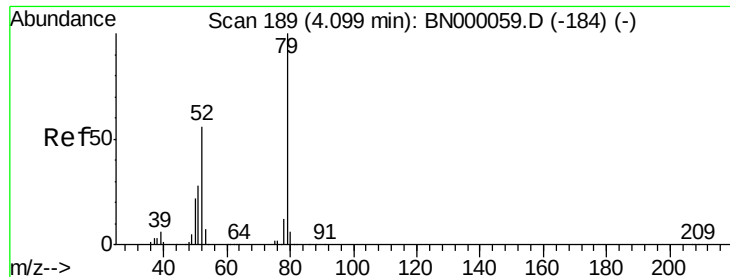


#2

1,4-Dioxane
Concen: 4.455 ng
RT: 3.66 min Scan# 114
Delta R.T. 0.00 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Tgt Ion: 88 Resp: 35848
Ion Ratio Lower Upper
88 100
58 65.4 52.0 78.0
43 26.0 20.0 30.0





#3

Pvridine

Concen: 3.960 ng

RT: 4.12 min Scan# 193

Delta R.T. 0.02 min

Lab File: BN000103.D

Acq: 15 Feb 2018 18:42

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

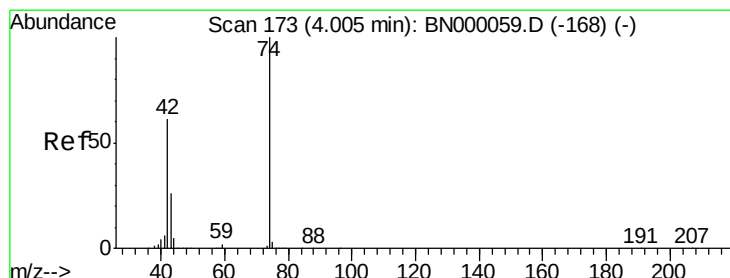
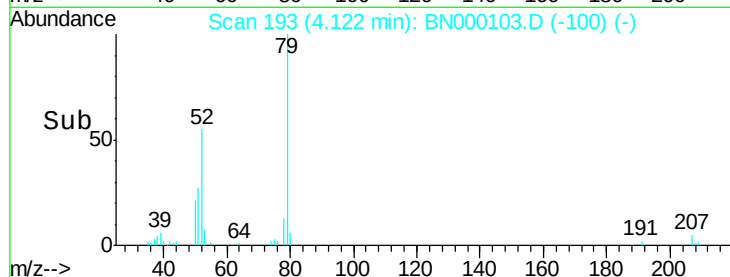
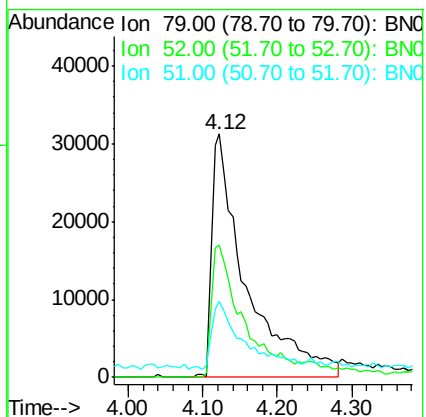
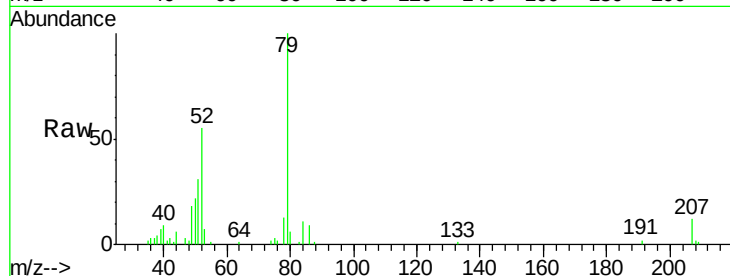
Tot Ion: 79 Resp: 99188

Ion Ratio Lower Upper

79 100

52 54.6 44.0 66.0

51 31.4 24.0 36.0



#4

n-Nitrosodimethylamine

Concen: 4.021 ng

RT: 4.01 min Scan# 174

Delta R.T. 0.00 min

Lab File: BN000103.D

Acq: 15 Feb 2018 18:42

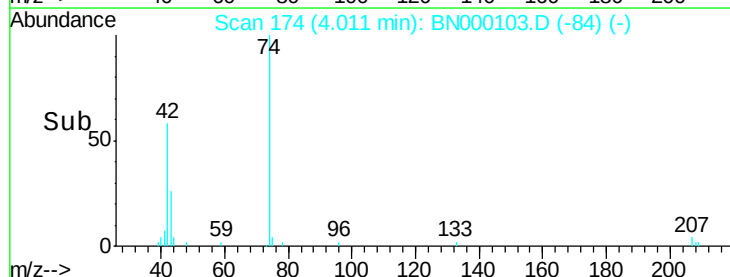
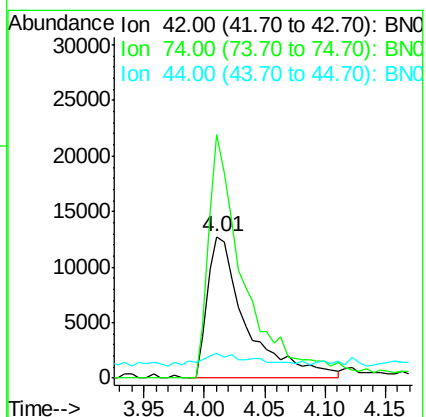
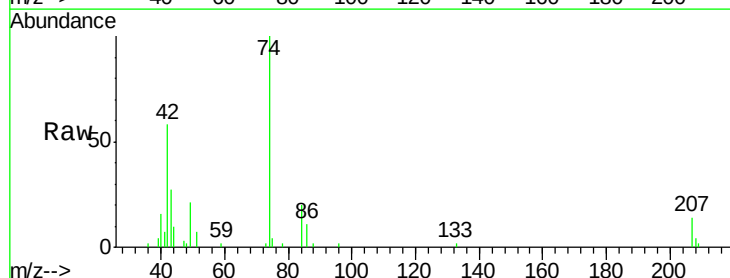
Tgt Ion: 42 Resp: 28479

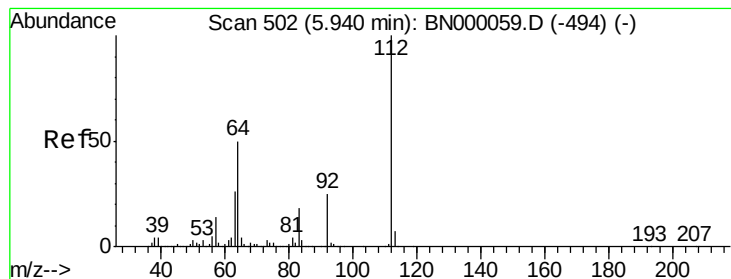
Ion Ratio Lower Upper

42 100

74 172.3 128.0 192.0

44 17.4 12.0 18.0





#5

2-Fluorophenol

Concen: 132.695 ng

RT: 5.93 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN000103.D

Acq: 15 Feb 2018 18:42

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

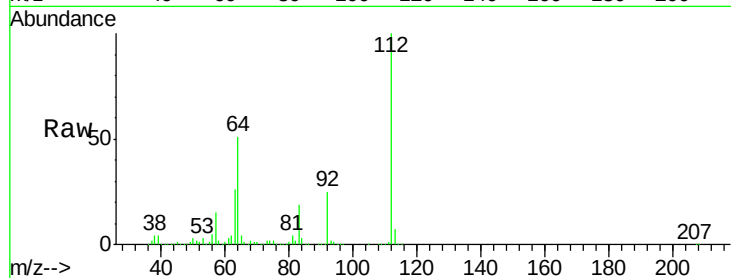
Tot Ion:112 Resp: 2653406

Ion Ratio Lower Upper

112 100

64 51.1 56.3 84.5#

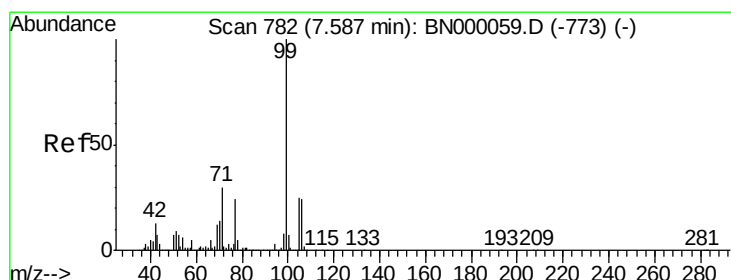
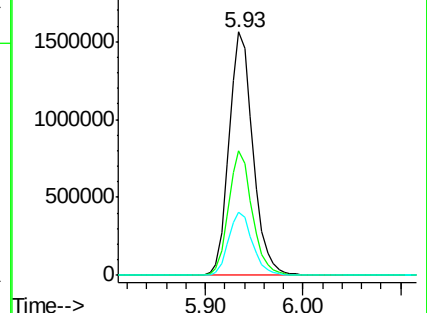
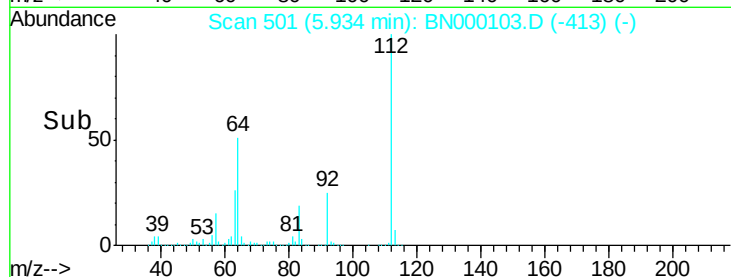
63 26.1 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#7

Phenol-d6

Concen: 127.086 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000103.D

Acq: 15 Feb 2018 18:42

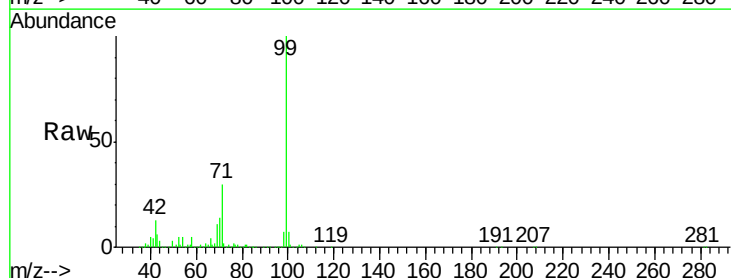
Tgt Ion: 99 Resp: 3849374

Ion Ratio Lower Upper

99 100

42 12.7 14.1 21.1#

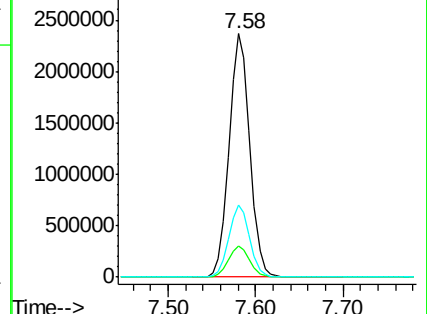
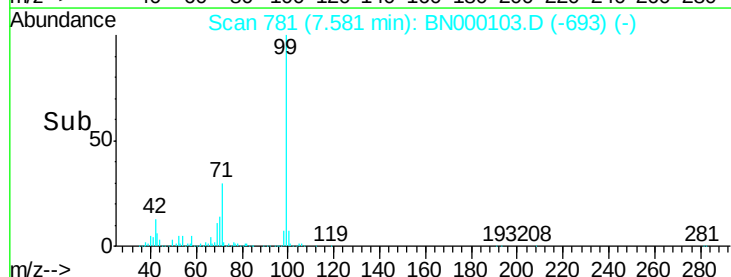
71 29.8 26.1 39.1

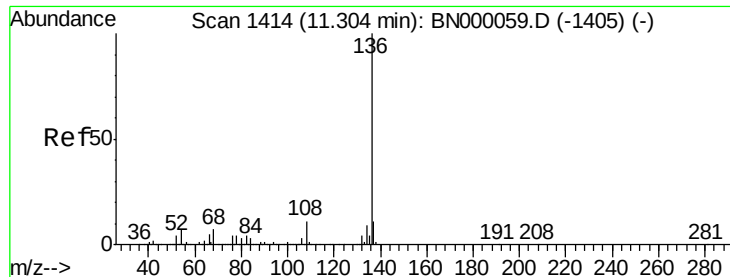


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

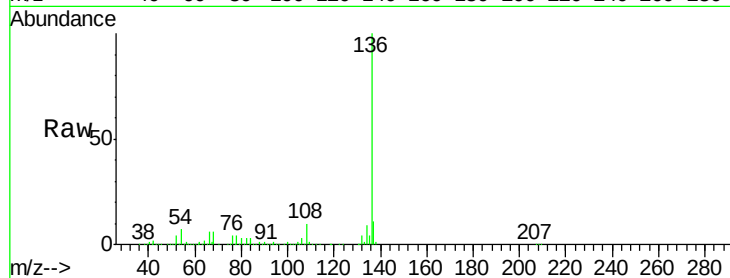




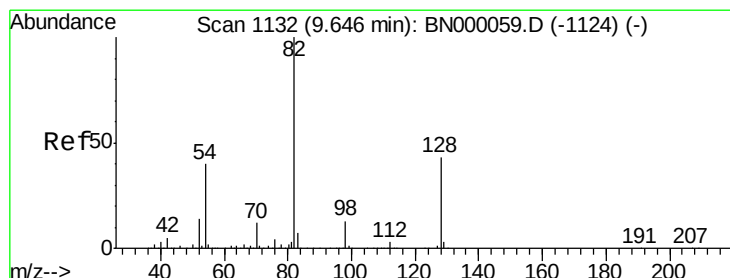
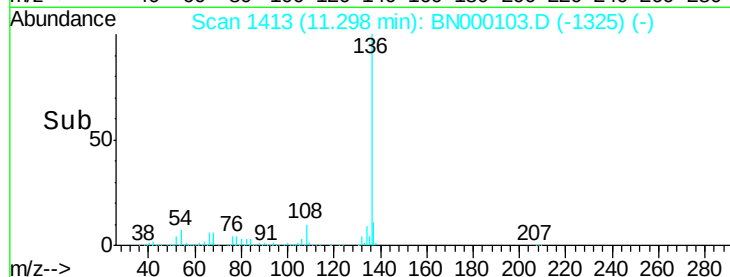
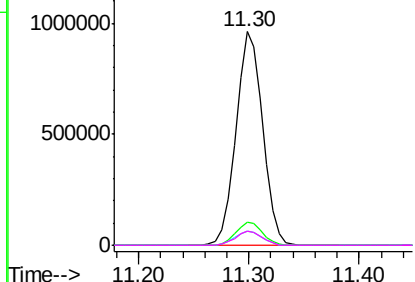
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.30 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion:136	Resp: 1630822
Ion Ratio	Lower Upper
136 100	
137 10.9	9.2 13.8
54 6.8	10.3 15.5#
68 6.3	4.5 6.7

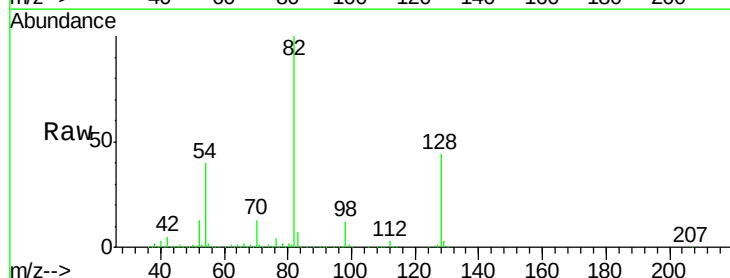


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

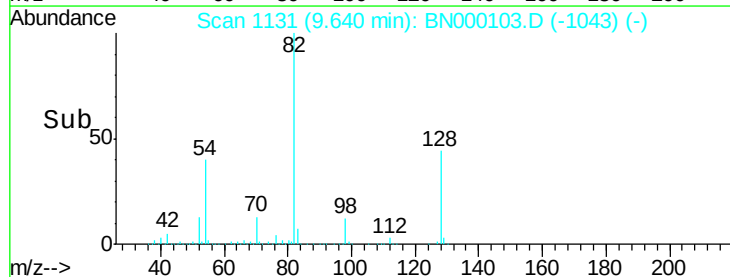
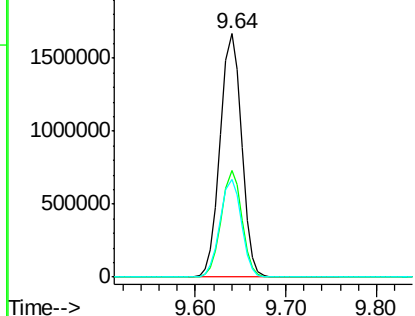


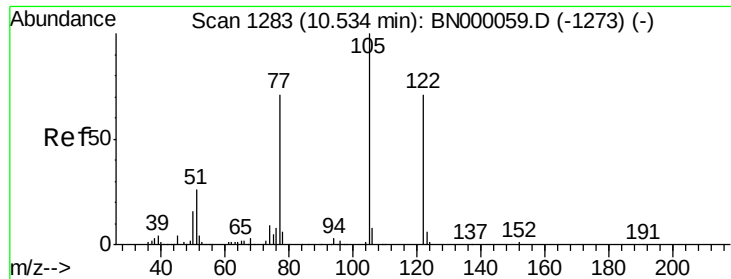
#23
Nitrobenzene-d5
Concen: 99.718 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Tgt	Ion: 82	Resp: 2735172	
Ion	Ratio	Lower	Upper
82	100		
128	43.6	29.7	44.5
54	40.3	43.1	64.7#



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

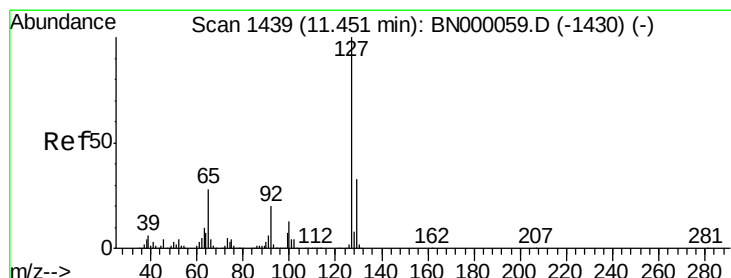
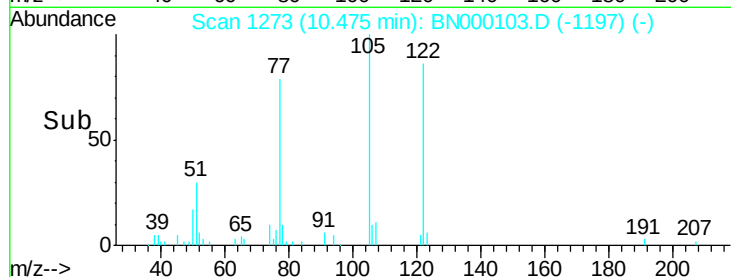
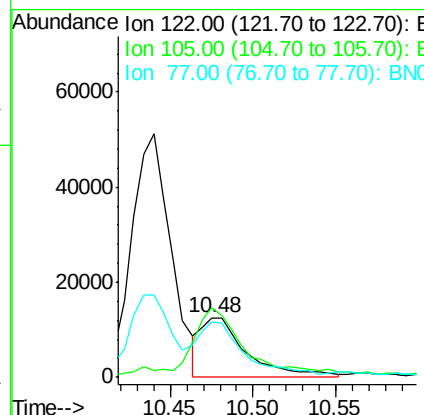
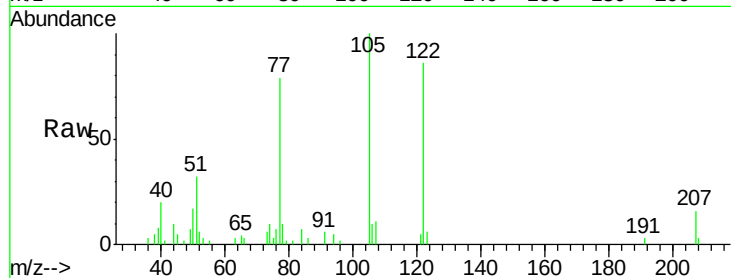




#32
Benzoic acid
Concen: 11.598 ng
RT: 10.48 min Scan# 1273
Delta R.T. -0.08 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

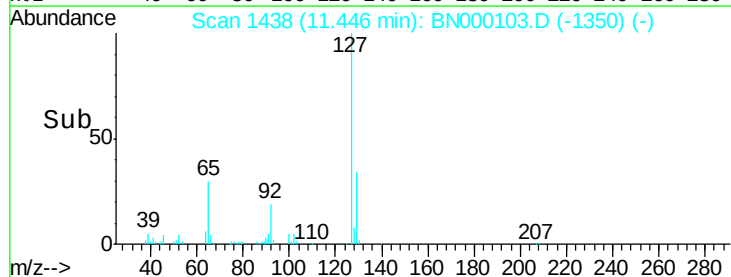
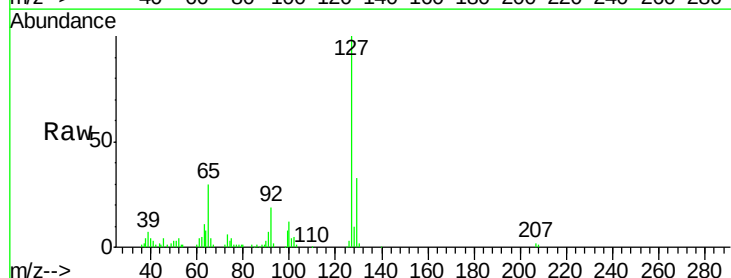
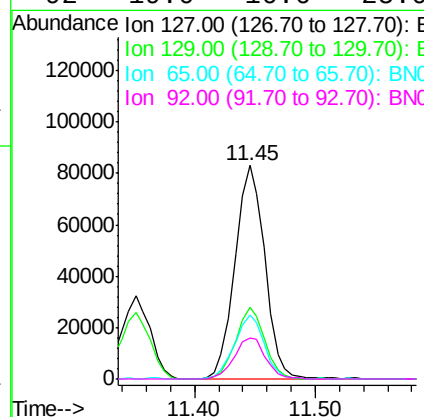
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

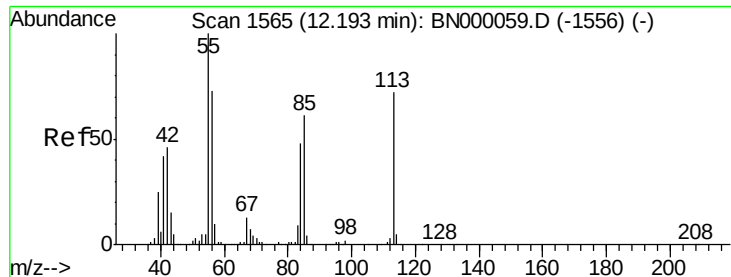
Tot Ion:122 Resp: 24682
Ion Ratio Lower Upper
122 100
105 116.2 123.5 163.5#
77 92.0 85.7 125.7



#33
4-Chloroaniline
Concen: 3.653 ng
RT: 11.45 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Tgt Ion:127 Resp: 143480
Ion Ratio Lower Upper
127 100
129 33.3 24.0 36.0
65 30.2 27.0 40.4
92 19.0 16.6 25.0

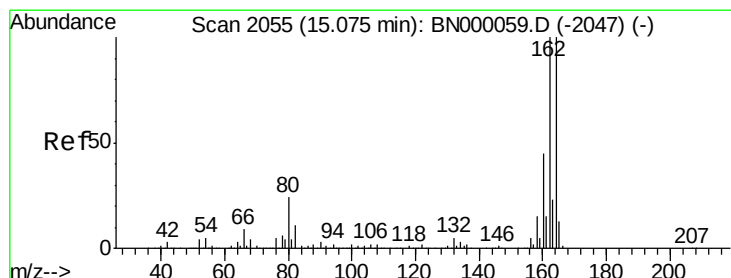
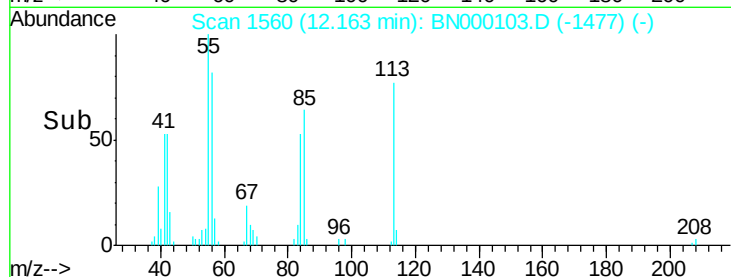
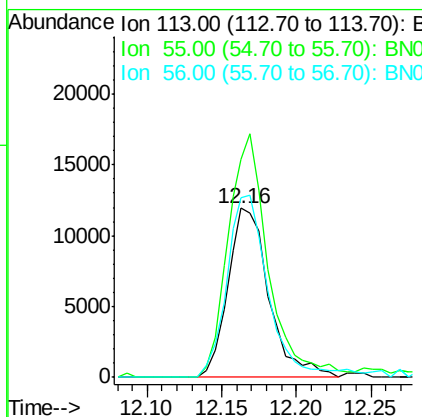
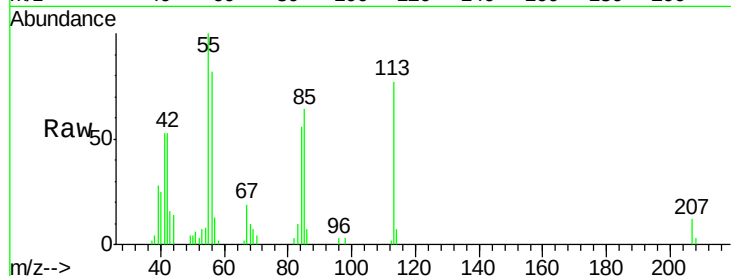




#35
 Caprolactam
 Concen: 6.129 ng
 RT: 12.16 min Scan# 1560
 Delta R.T. -0.04 min
 Lab File: BN000103.D
 Acq: 15 Feb 2018 18:42

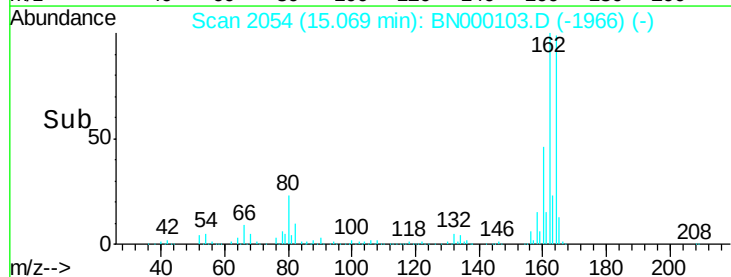
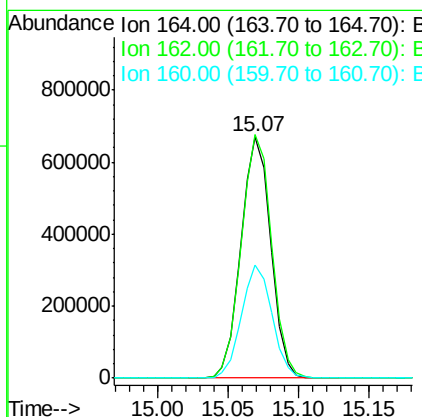
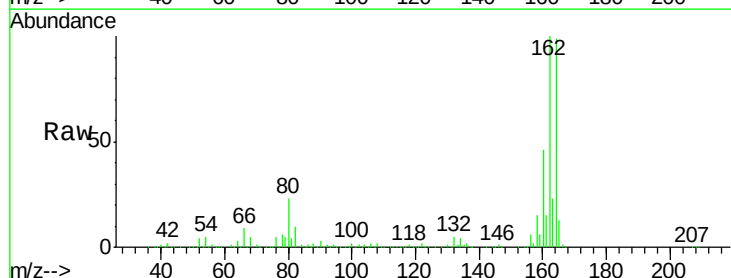
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

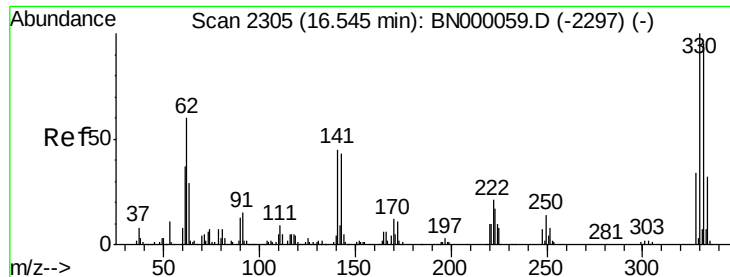
Tot Ion:113 Resp: 22904
 Ion Ratio Lower Upper
 113 100
 55 129.3 120.0 160.0
 56 105.9 90.0 130.0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.07 min Scan# 2054
 Delta R.T. -0.01 min
 Lab File: BN000103.D
 Acq: 15 Feb 2018 18:42

Tgt Ion:164 Resp: 989108
 Ion Ratio Lower Upper
 164 100
 162 101.0 78.8 118.2
 160 46.9 35.4 53.0

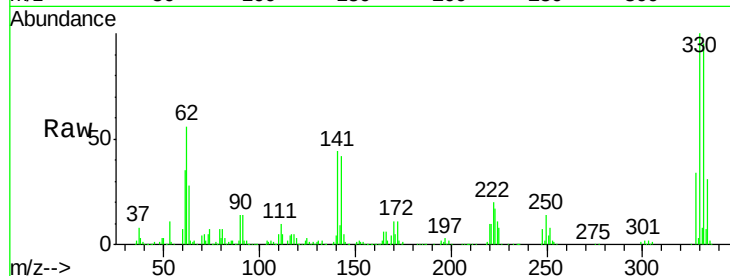




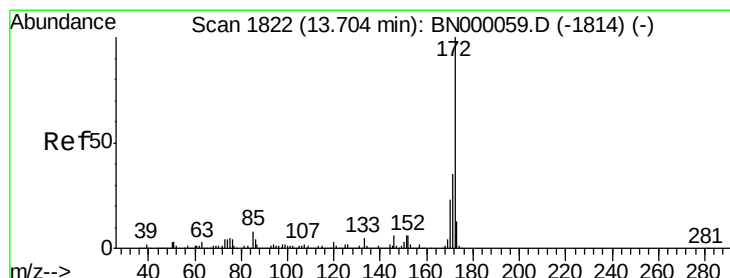
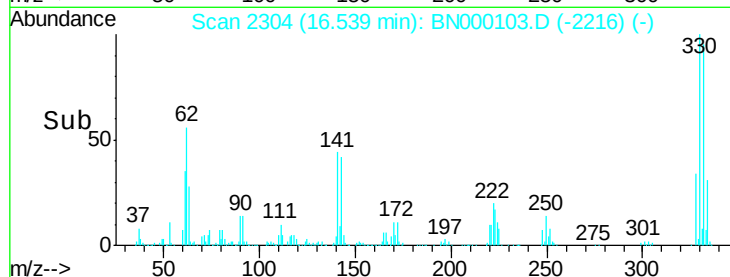
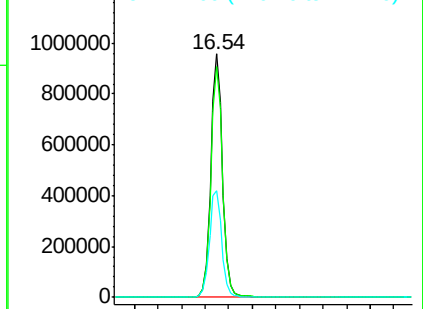
#41
 2,4,6-Tribromophenol
 Concen: 135.079 ng
 RT: 16.54 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BN000103.D
 Acq: 15 Feb 2018 18:42

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

Tot Ion:330 Resp: 1322517
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 46.7 25.2 37.8#

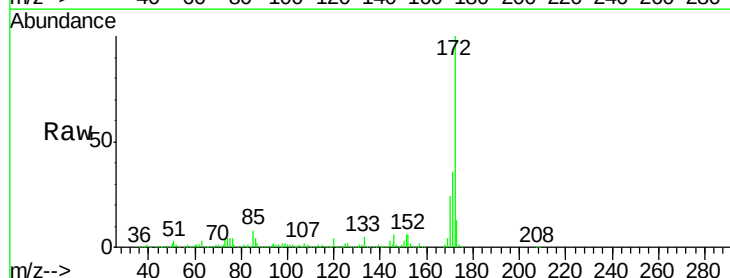


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

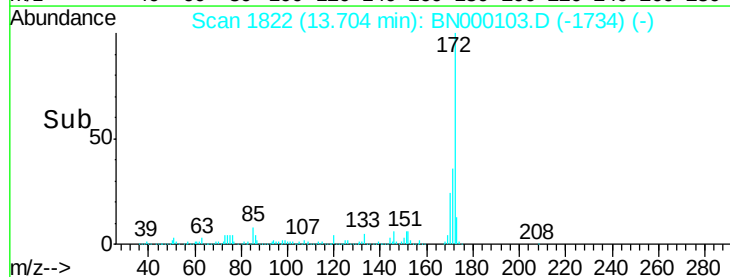
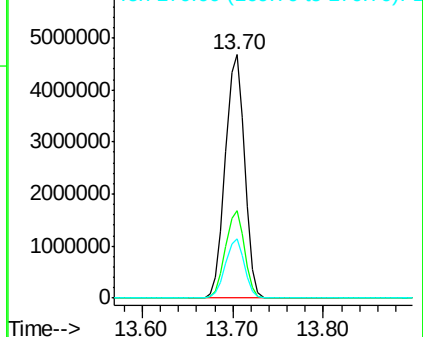


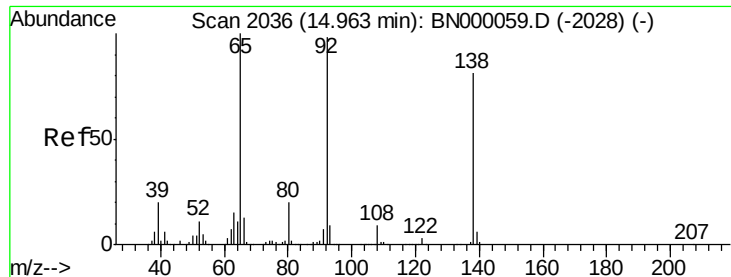
#44
 2-Fluorobiphenyl
 Concen: 98.394 ng
 RT: 13.70 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BN000103.D
 Acq: 15 Feb 2018 18:42

Tgt Ion:172 Resp: 6905159
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.0 45.0
 170 24.2 19.5 29.3



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

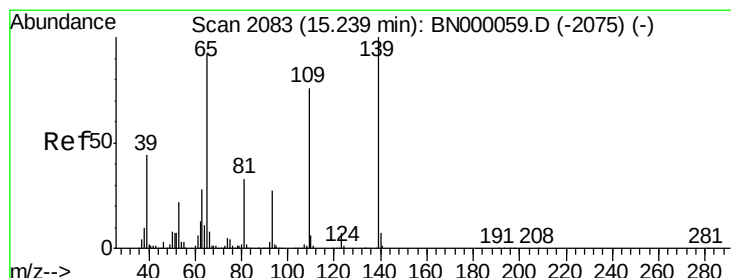
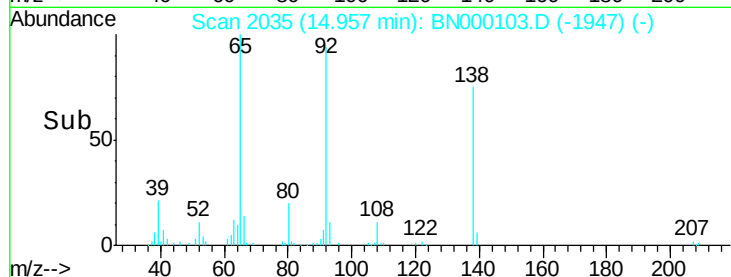
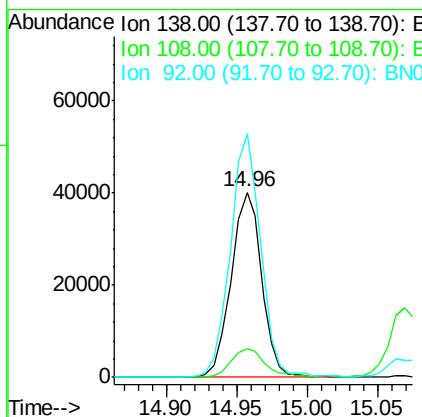
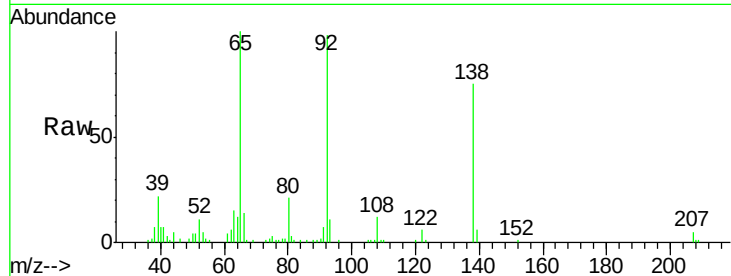




#52
3-Nitroaniline
Concen: 2.915 ng
RT: 14.96 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

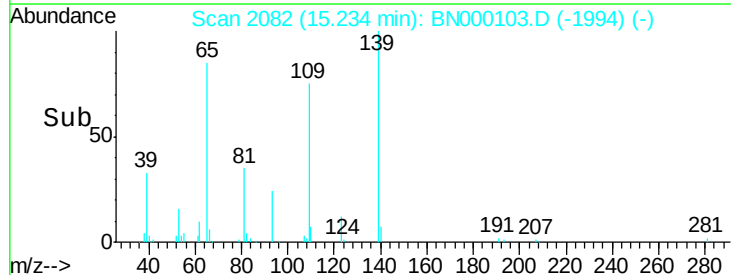
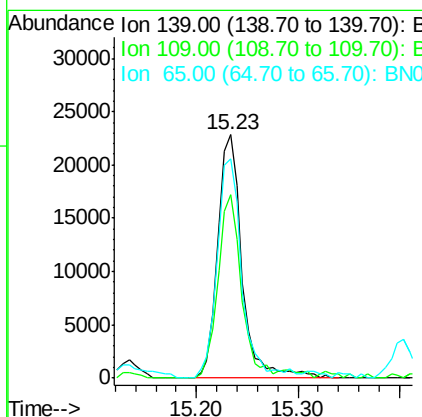
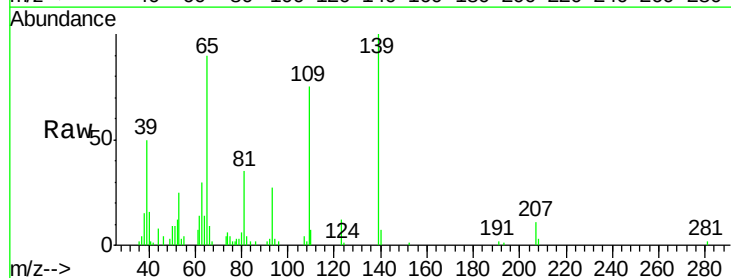
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

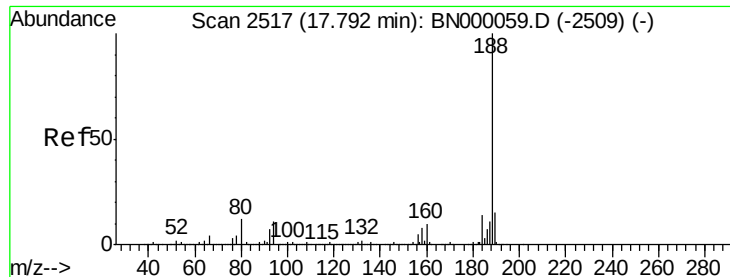
Tot Ion:138 Resp: 60484
Ion Ratio Lower Upper
138 100
108 15.7 17.5 26.3#
92 131.3 105.8 158.8



#55
4-Nitrophenol
Concen: 7.072 ng
RT: 15.23 min Scan# 2082
Delta R.T. -0.01 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Tgt Ion:139 Resp: 37999
Ion Ratio Lower Upper
139 100
109 75.3 62.2 102.2
65 90.3 97.2 137.2#

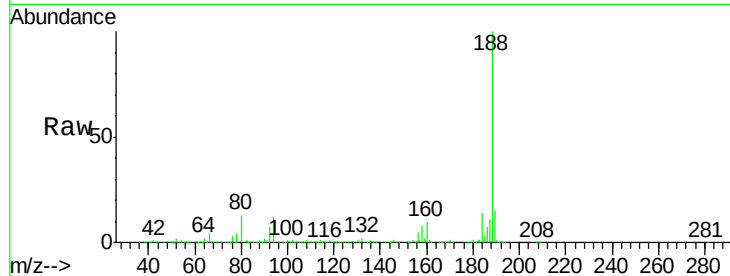




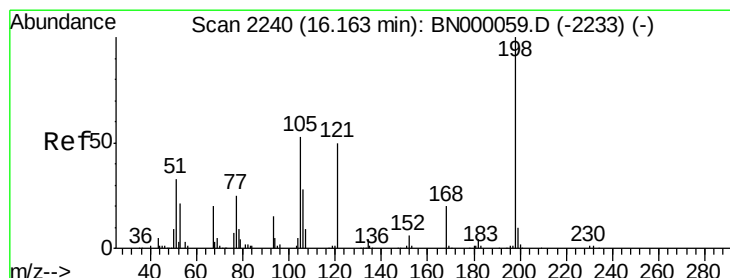
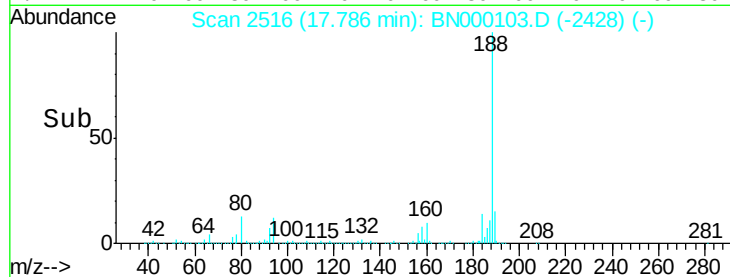
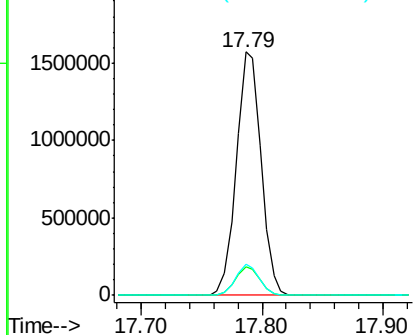
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.79 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion:188 Resp: 2247572
Ion Ratio Lower Upper
188 100
94 12.0 6.9 10.3#
80 12.7 7.7 11.5#

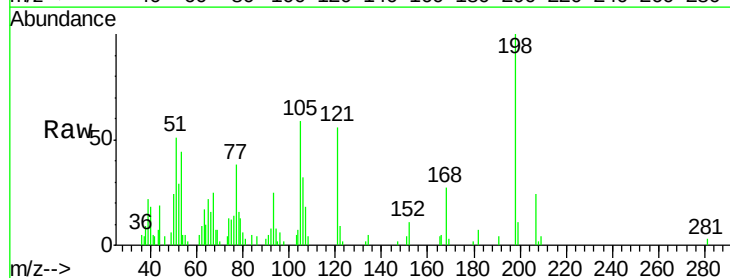


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

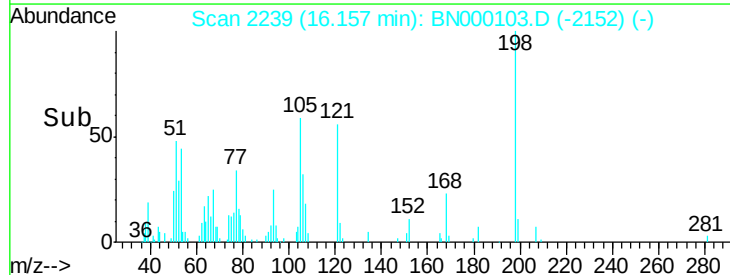
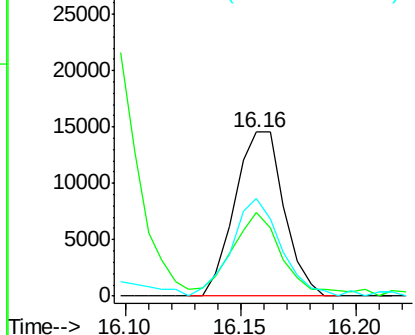


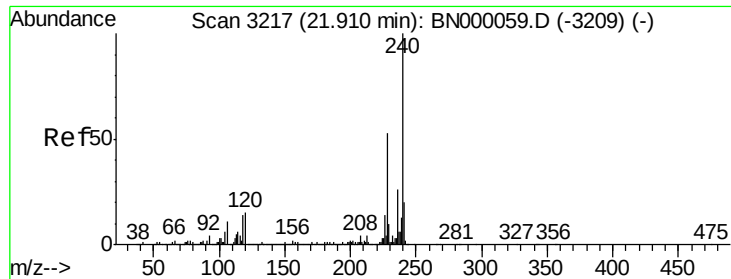
#64
4,6-Dinitro-2-methylphenol
Concen: 10.376 ng
RT: 16.16 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Tgt Ion:198 Resp: 21700
Ion Ratio Lower Upper
198 100
51 50.7 30.6 70.6
105 59.3 23.8 63.8



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.90 min Scan# 3216

Delta R.T. -0.02 min

Lab File: BN000103.D

Acq: 15 Feb 2018 18:42

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

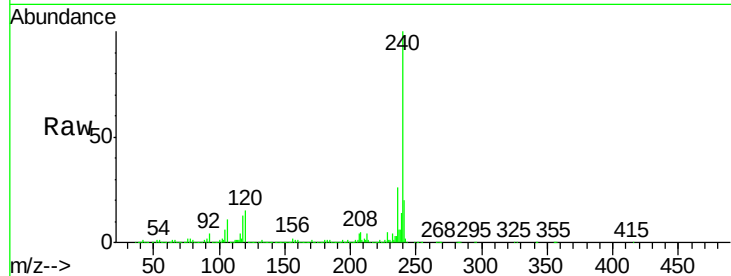
Tot Ion:240 Resp: 2512442

Ion Ratio Lower Upper

240 100

120 14.6 6.8 10.2#

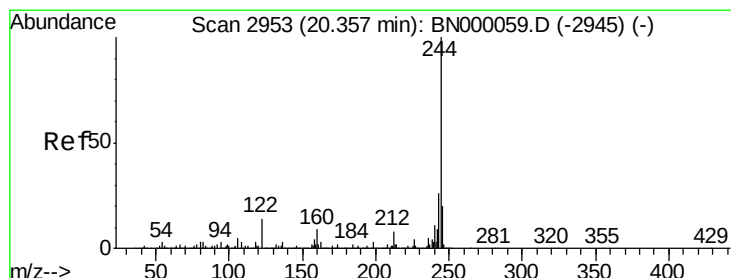
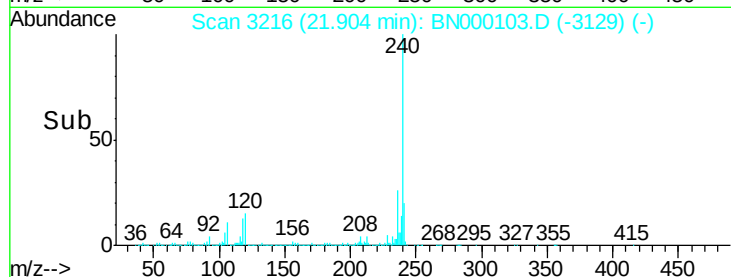
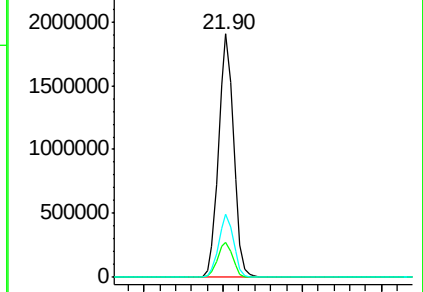
236 25.8 20.9 31.3



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



#78

Terphenyl-d14

Concen: 97.327 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000103.D

Acq: 15 Feb 2018 18:42

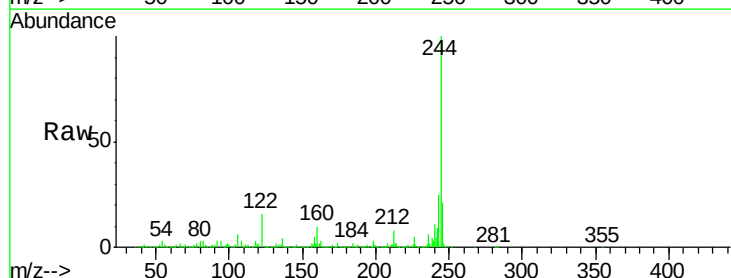
Tgt Ion:244 Resp: 9056143

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

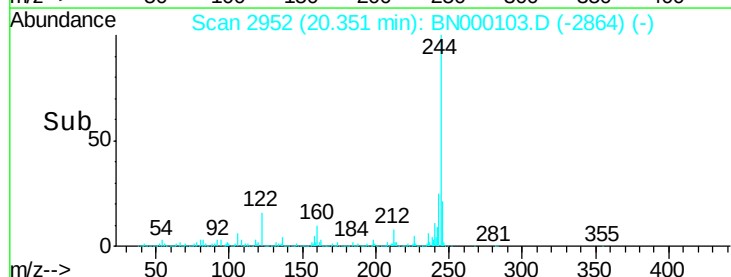
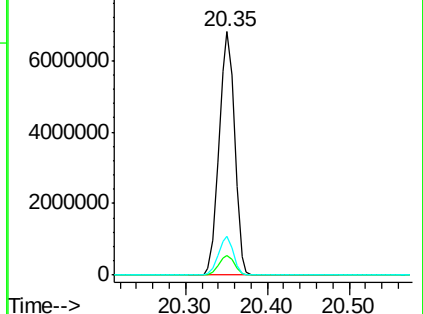
122 15.9 7.0 10.4#

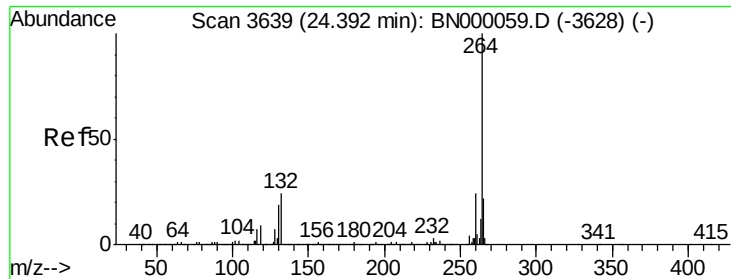


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3638
Delta R.T. -0.03 min
Lab File: BN000103.D
Acq: 15 Feb 2018 18:42

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

Tot Ion: 264 Resp: 2675473

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.4	26.0
265	21.7	17.7	26.5

