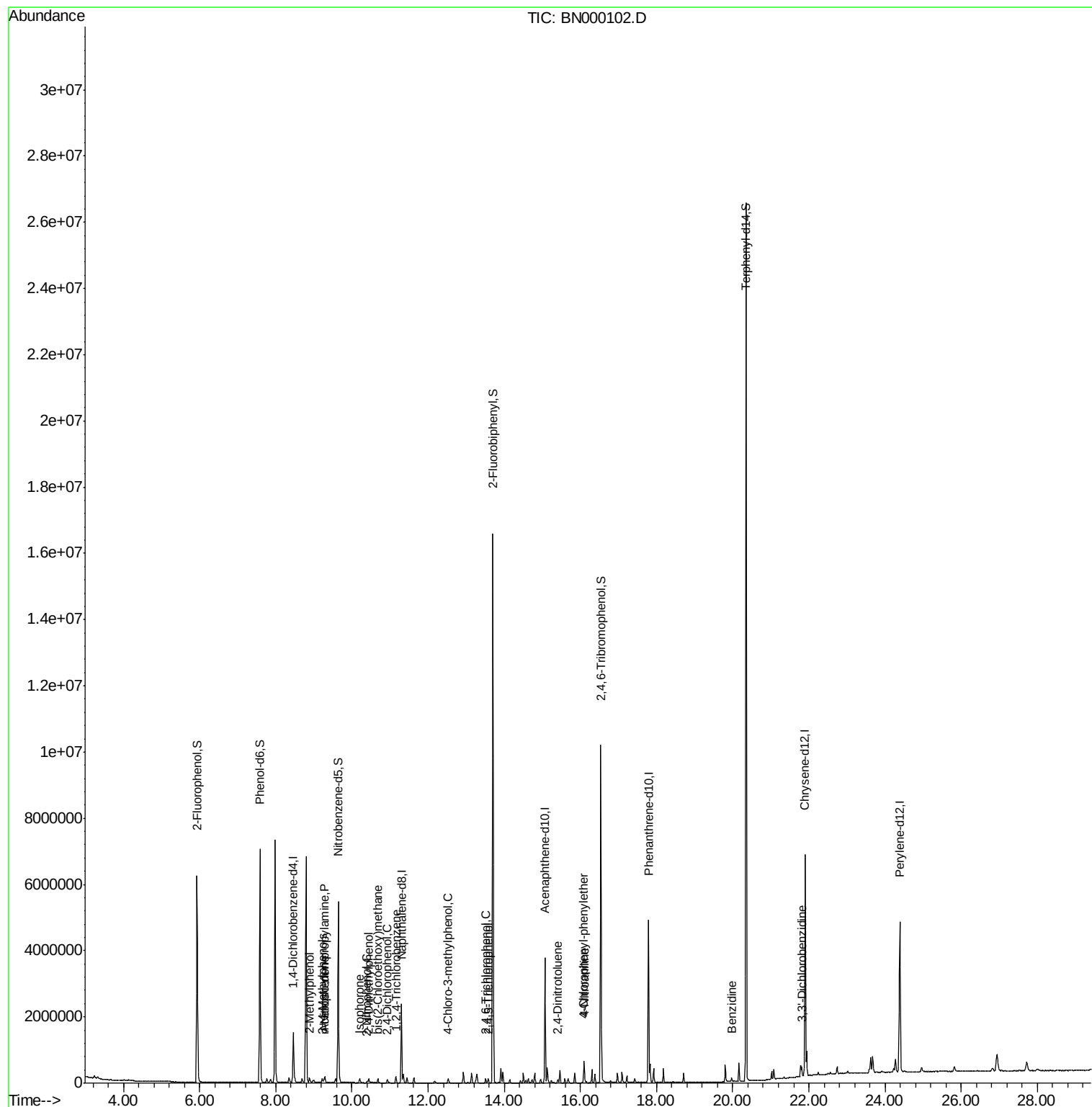


Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
Data File : BN000102.D
Acq On : 15 Feb 2018 18:08
Operator : JU/SJ
Sample : J1161-07
Misc : 2 PPM LOD
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Feb 16 10:19:33 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 : BN000102.D
 Acq On : 15 Feb 2018 18:08
 Operator : JU/SJ
 Sample : J1161-07
 Misc : 2 PPM LOD
 ALS Vial : 4 Sample Multiplier: 1

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

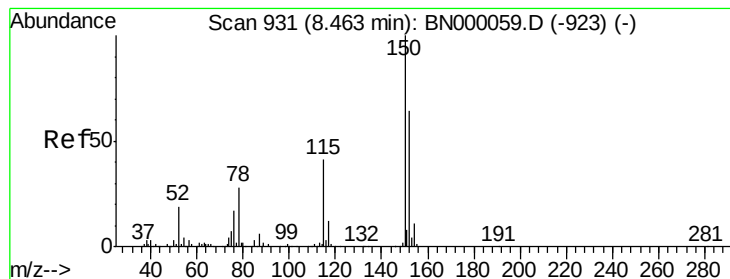
Quant Time: Feb 16 10:19:33 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 18:24:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	410556	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	2038644	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	1230059	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	2751084	20.00	ng	0.00
75) Chrysene-d12	21.90	240	2956501	20.00	ng	-0.02
86) Perylene-d12	24.39	264	3116598	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.93	112	3365152	133.59	ng	-0.01
7) Phenol-d6	7.58	99	4755197	124.62	ng	-0.01
23) Nitrobenzene-d5	9.64	82	3345437	97.57	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1617692	132.86	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	8232895	94.33	ng	-0.01
78) Terphenyl-d14	20.35	244	10217133	93.31	ng	-0.01

Target Compounds				Qvalue		
17) 2-Methylphenol	8.89	107	44426	1.552	ng	92
19) n-Nitroso-di-n-propylamine	9.26	70	38592	1.509	ng	# 85
20) 3+4-Methylphenols	9.22	107	60043	1.500	ng	92
22) Acetophenone	9.29	105	95351	1.669	ng	# 88
25) Isophorone	10.20	82	105737	1.492	ng	# 92
26) 2-Nitrophenol	10.40	139	16185	8.088	ng	96
27) 2,4-Dimethylphenol	10.44	122	43119m	1.403	ng	
28) bis(2-Chloroethoxy)methane	10.68	93	80300	1.766	ng	96
29) 2,4-Dichlorophenol	10.93	162	36073	1.268	ng	91
30) 1,2,4-Trichlorobenzene	11.16	180	62549	1.910	ng	96
36) 4-Chloro-3-methylphenol	12.53	107	43816	1.214	ng	95
42) 2,4,6-Trichlorophenol	13.52	196	24560	1.129	ng	97
43) 2,4,5-Trichlorophenol	13.57	196	29836	1.141	ng	# 92
56) 2,4-Dinitrotoluene	15.40	165	24795	4.928	ng	95
60) 4-Chlorophenyl-phenylether	16.09	204	86559	1.927	ng	92
61) 4-Nitroaniline	16.10	138	26745	1.009	ng	94
76) Benzidine	19.97	184	59587	0.632	ng	# 95
81) 3,3'-Dichlorobenzidine	21.81	252	72578	1.087	ng	# 95

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

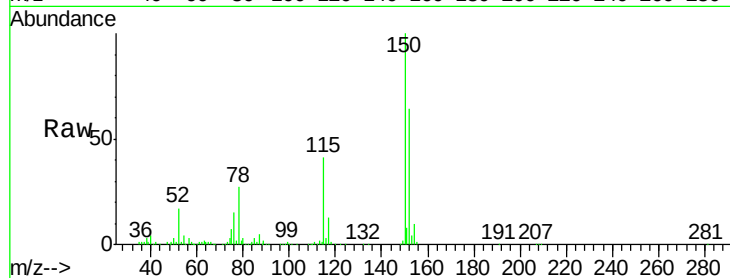


#1

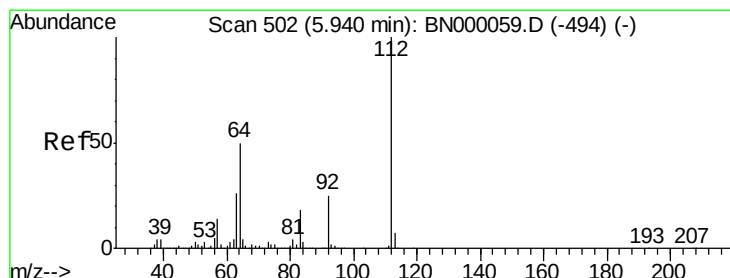
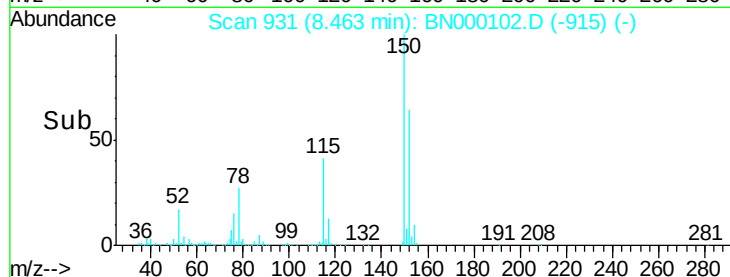
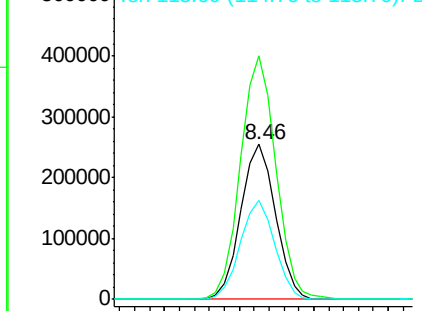
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

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

Tot Ion:152 Resp: 410556
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 63.9 53.0 79.4



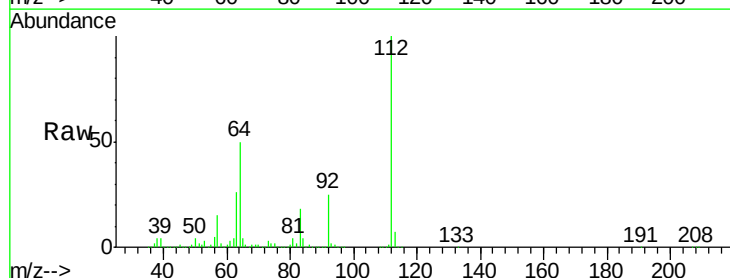
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



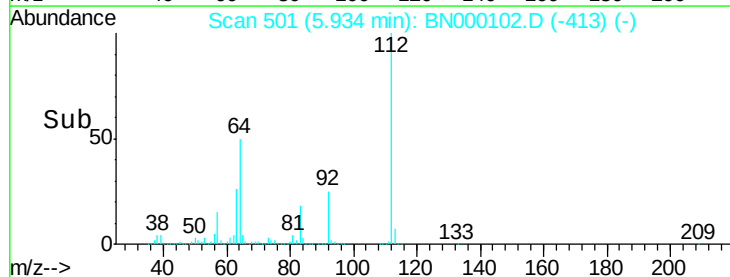
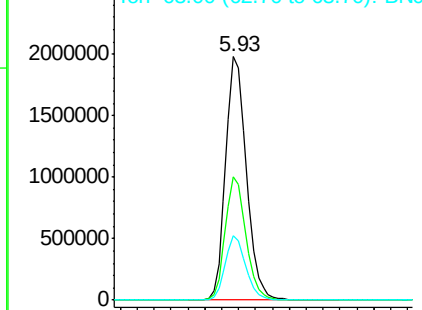
#5

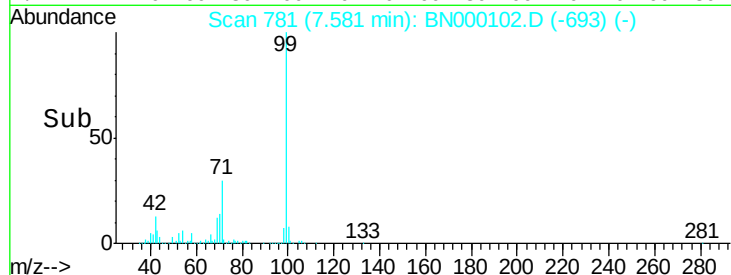
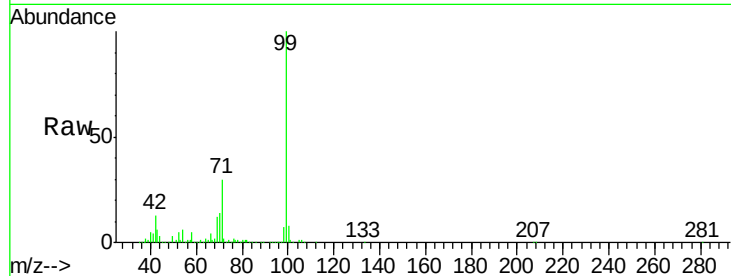
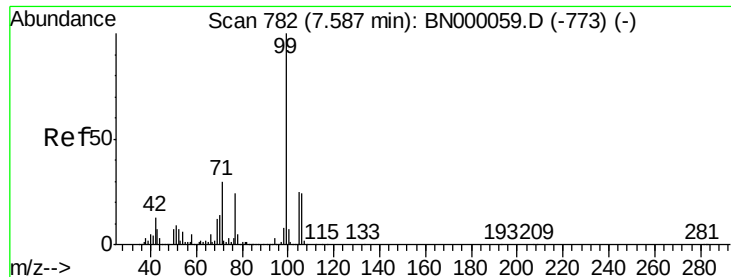
2-Fluorophenol
Concen: 133.585 ng
RT: 5.93 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt Ion:112 Resp: 3365152
Ion Ratio Lower Upper
112 100
64 50.4 56.3 84.5#
63 26.4 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#7

Phenol-d6

Concen: 124.617 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000102.D

Acq: 15 Feb 2018 18:08

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

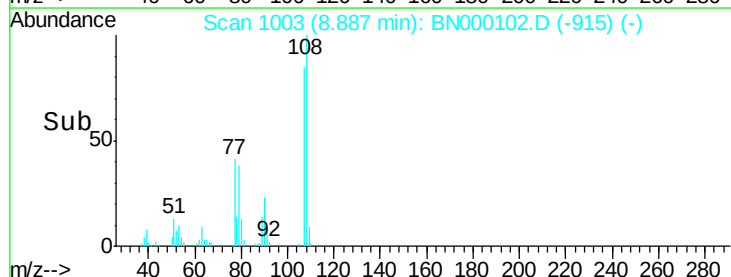
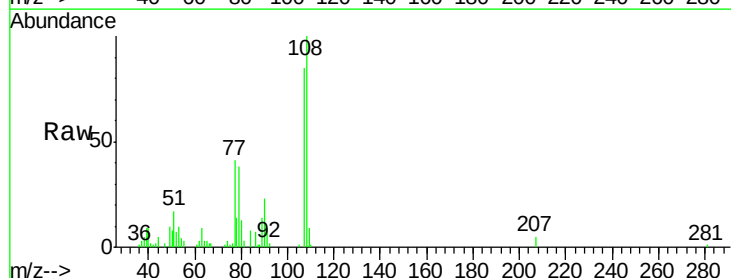
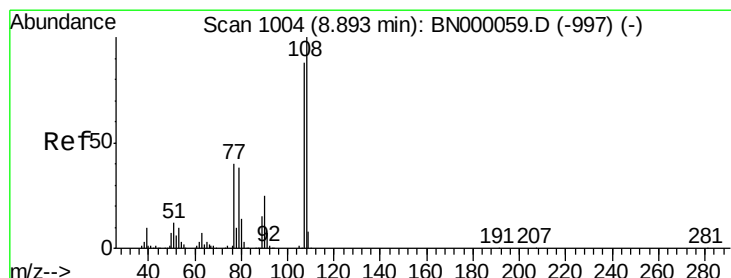
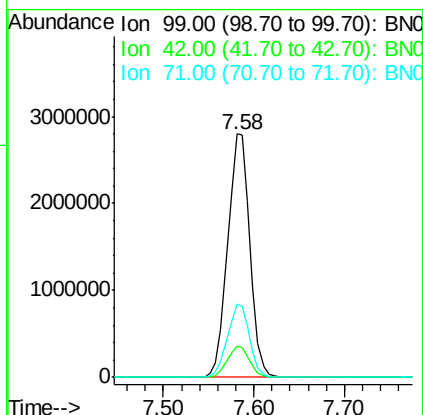
Tot Ion: 99 Resp: 4755197

Ion Ratio Lower Upper

99 100

42 13.0 14.1 21.1#

71 30.2 26.1 39.1



#17

2-Methylphenol

Concen: 1.552 ng

RT: 8.89 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BN000102.D

Acq: 15 Feb 2018 18:08

Tgt Ion: 107 Resp: 44426

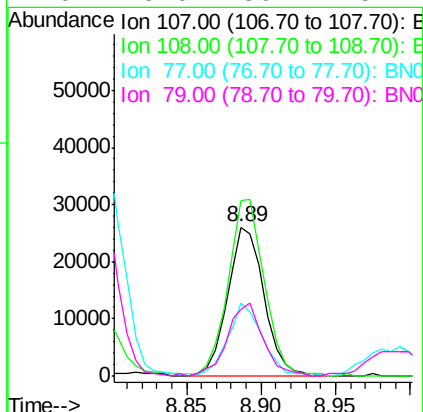
Ion Ratio Lower Upper

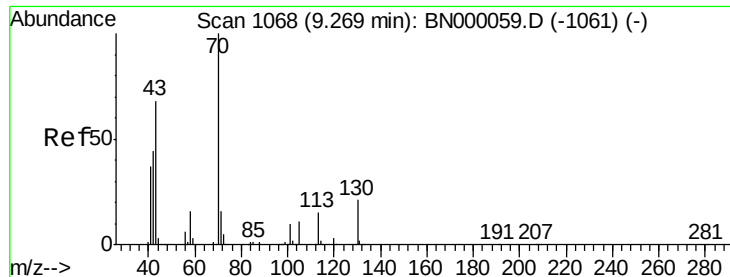
107 100

108 117.8 83.9 125.9

77 48.7 37.2 55.8

79 45.0 36.2 54.2

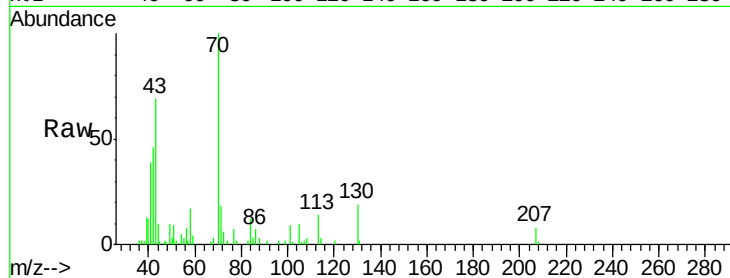




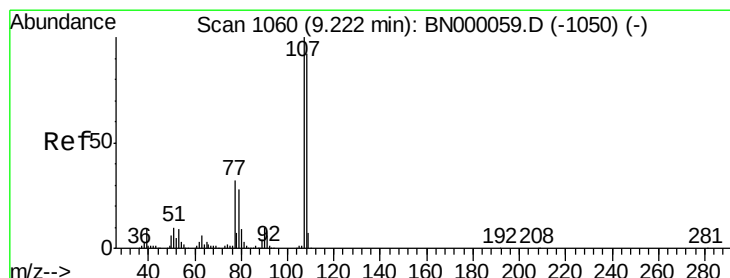
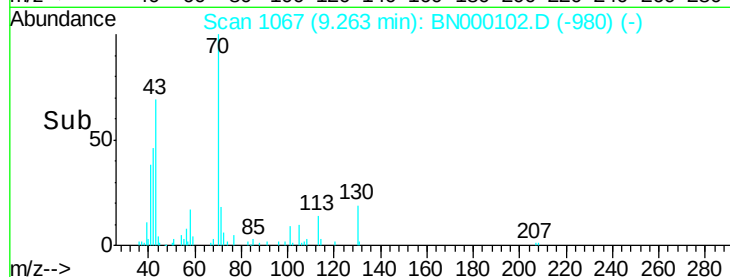
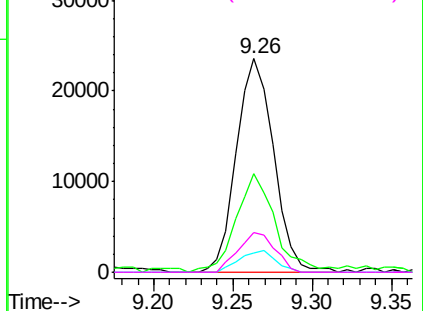
#19
n-Nitroso-di-n-propylamine
Concen: 1.509 ng
RT: 9.26 min Scan# 1067
Delta R.T. -0.02 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

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

Tot Ion: 70 Resp: 38592
Ion Ratio Lower Upper
70 100
42 46.2 49.1 73.7#
101 9.2 8.5 12.7
130 18.7 13.4 20.0

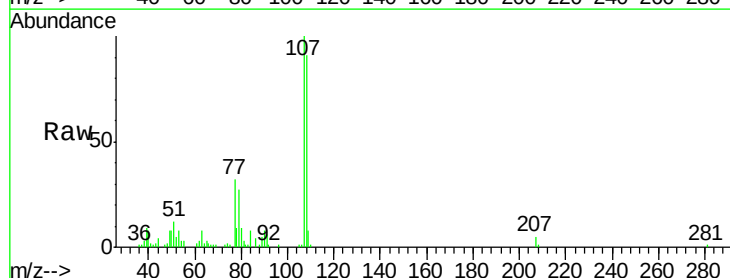


Abundance Ion 70.00 (69.70 to 70.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

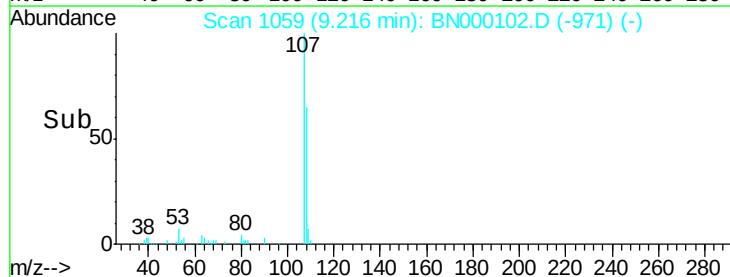
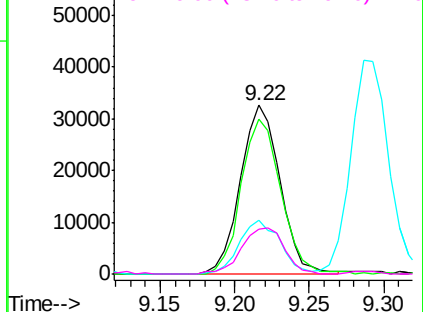


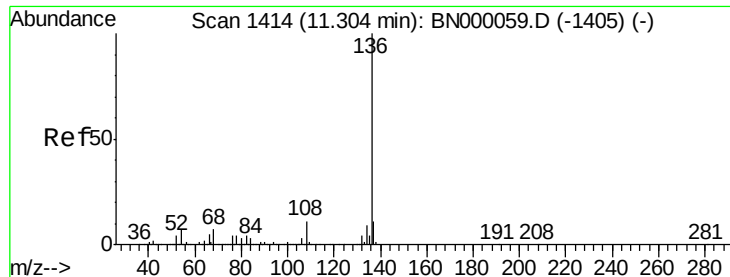
#20
3+4-Methylphenols
Concen: 1.500 ng
RT: 9.22 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt Ion:107 Resp: 60043
Ion Ratio Lower Upper
107 100
108 91.5 61.6 101.6
77 31.6 13.9 53.9
79 26.8 8.8 48.8



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BN0
Ion 79.00 (78.70 to 79.70): BN0

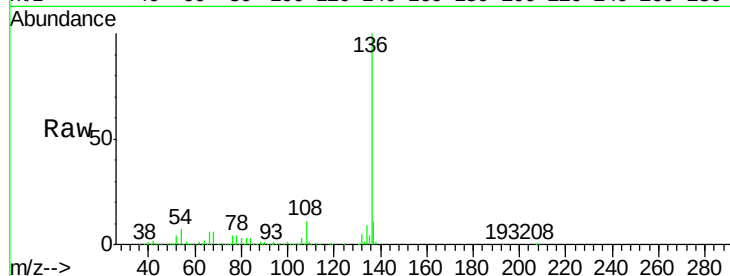




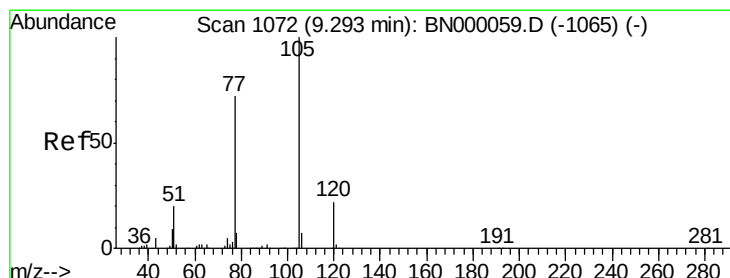
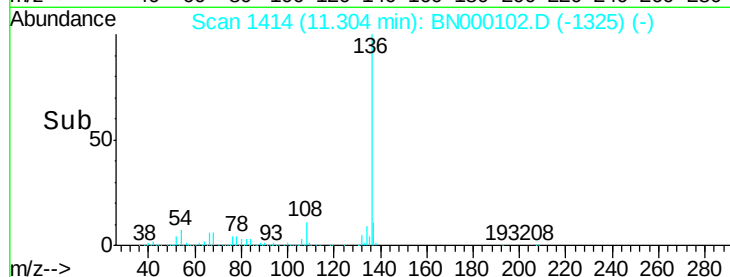
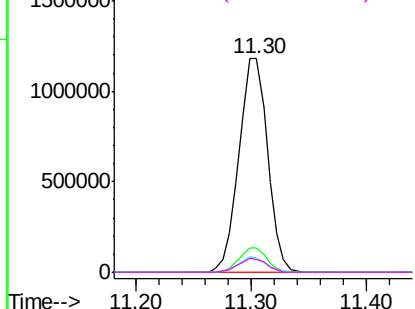
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.30 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

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

Tot Ion:136	Resp: 2038644
Ion Ratio	Lower Upper
136 100	
137 11.2	9.2 13.8
54 6.8	10.3 15.5#
68 6.0	4.5 6.7

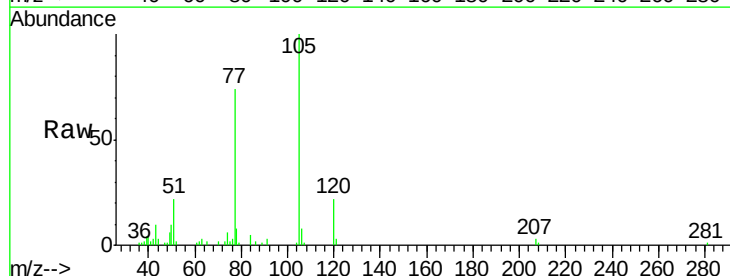


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

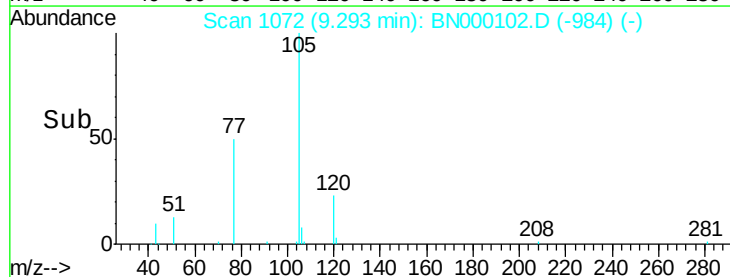
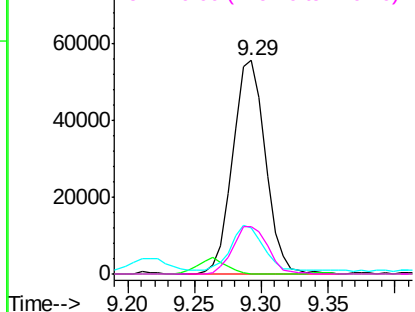


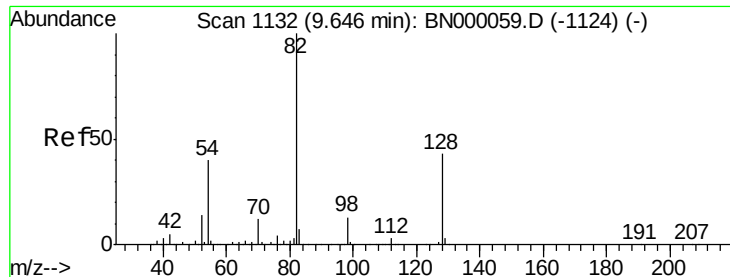
#22
Acetophenone
Concen: 1.669 ng
RT: 9.29 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt	Ion:105	Resp:	95351
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	21.9	26.1	39.1#
120	22.5	17.4	26.2



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BNC
Ion 51.00 (50.70 to 51.70): BNC
Ion 120.00 (119.70 to 120.70): E

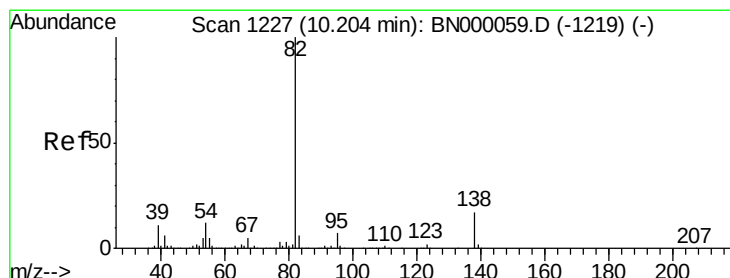
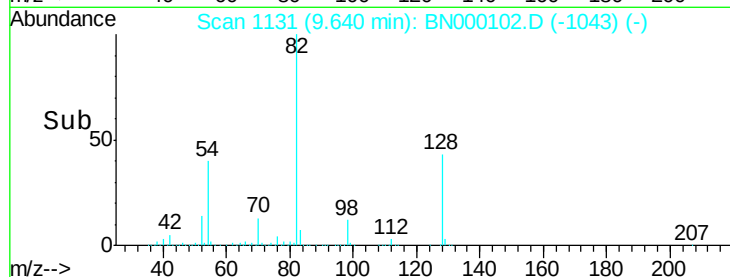
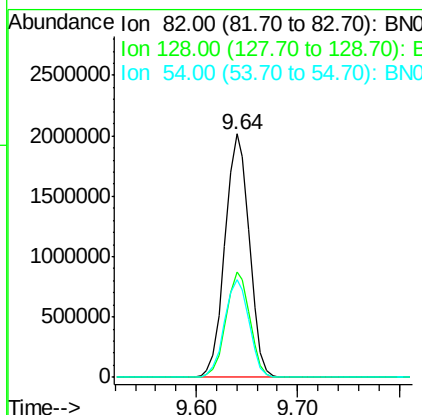
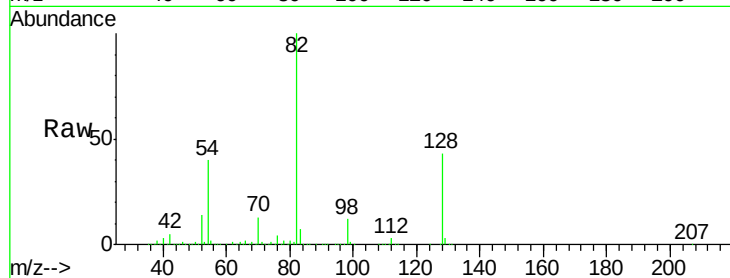




#23
Nitrobenzene-d5
Concen: 97.567 ng
RT: 9.64 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

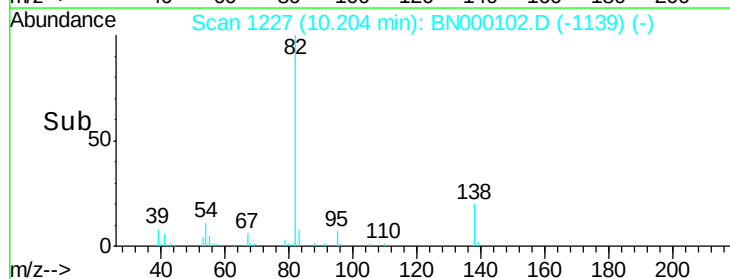
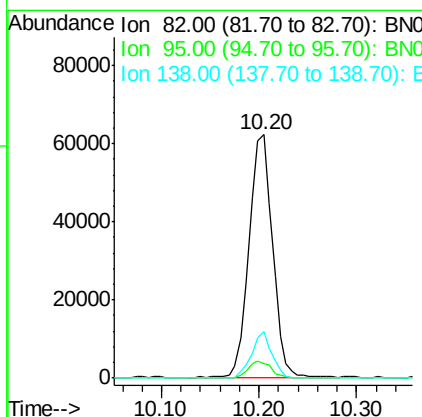
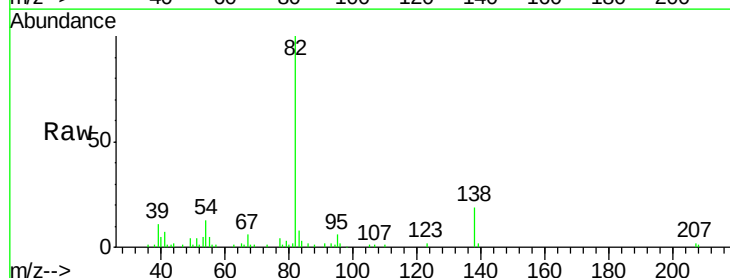
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

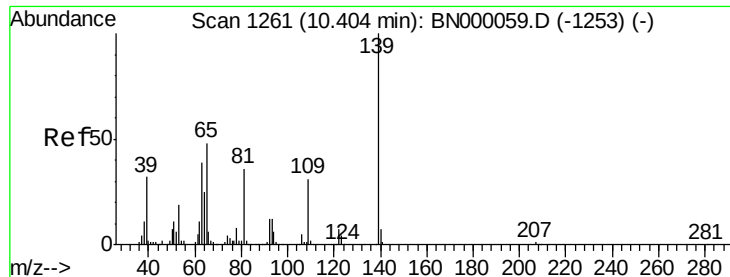
Tot Ion: 82 Resp: 3345437
Ion Ratio Lower Upper
82 100
128 43.1 29.7 44.5
54 40.2 43.1 64.7#



#25
Isophorone
Concen: 1.492 ng
RT: 10.20 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt Ion: 82 Resp: 105737
Ion Ratio Lower Upper
82 100
95 6.2 6.2 9.2
138 19.0 12.1 18.1#

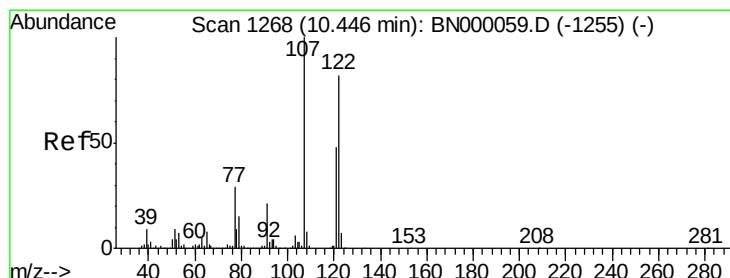
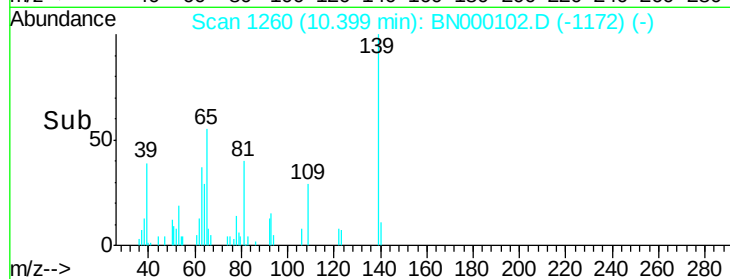
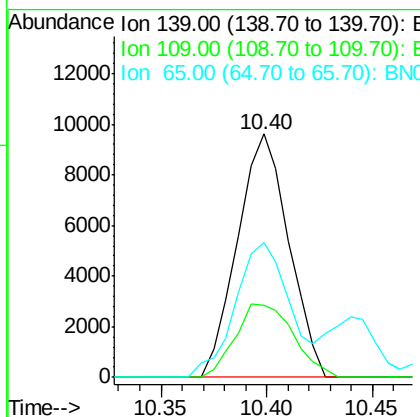
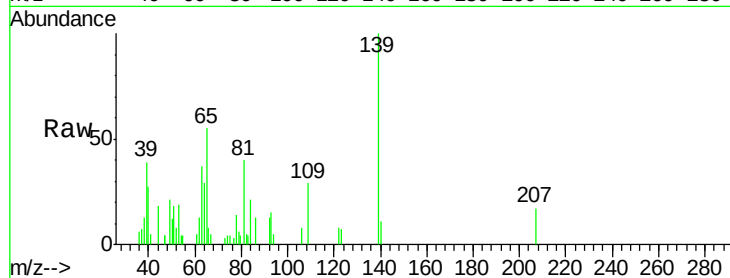




#26
2-Nitrophenol
Concen: 8.088 ng
RT: 10.40 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

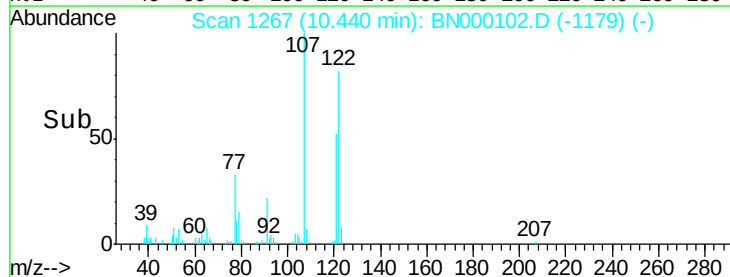
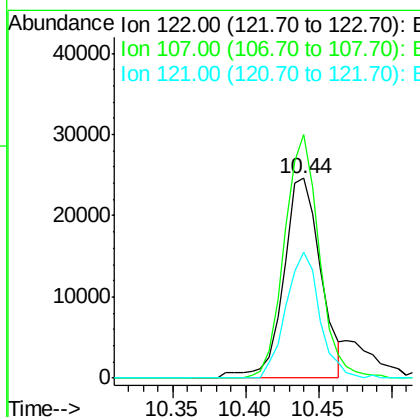
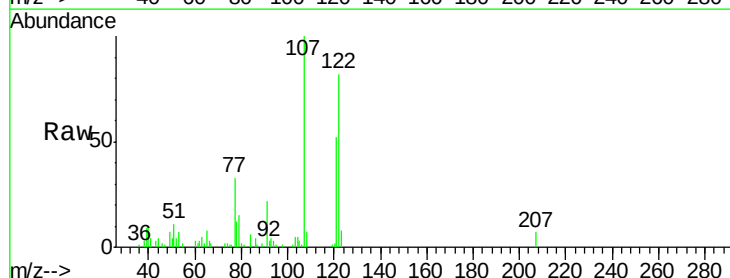
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

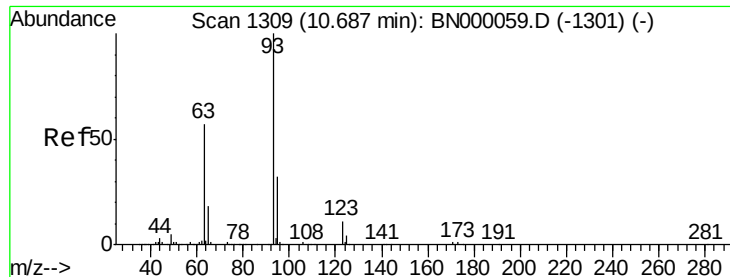
Tot Ion	Ratio	Lower	Upper
139	100		
109	29.5	24.2	36.2
65	55.2	47.4	71.0



#27
2,4-Dimethylphenol
Concen: 1.403 ng m
RT: 10.44 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt Ion	Ratio	Lower	Upper
122	100		
107	121.8	100.2	150.2
121	62.8	44.4	66.6

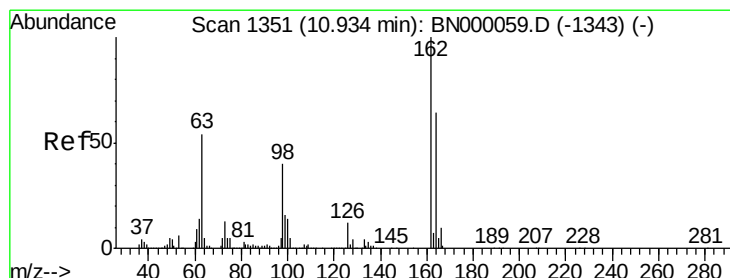
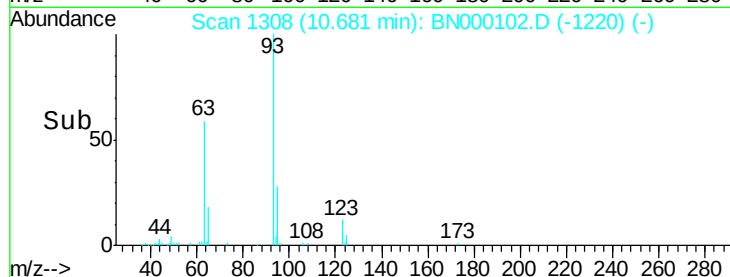
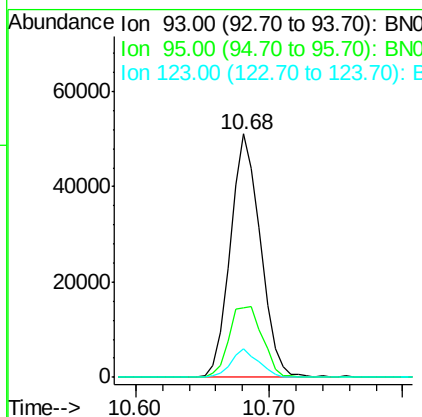
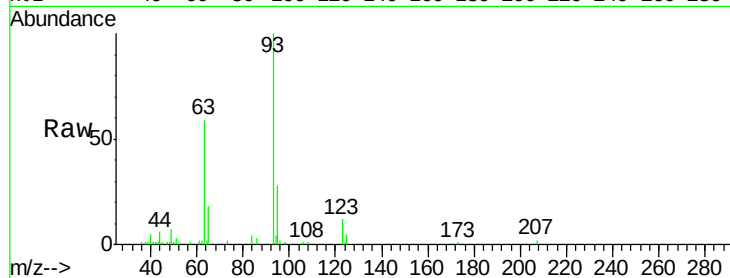




#28
bis(2-Chloroethoxy)methane
Concen: 1.766 ng
RT: 10.68 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

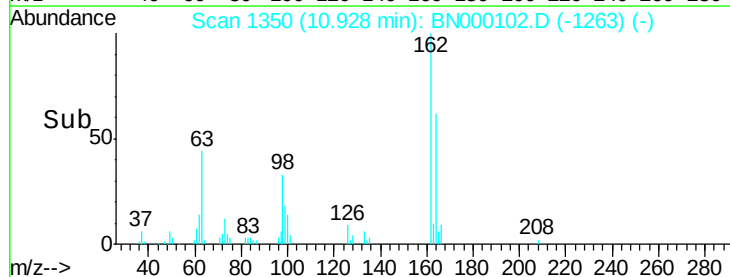
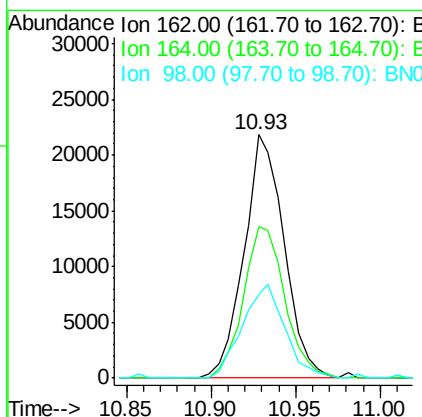
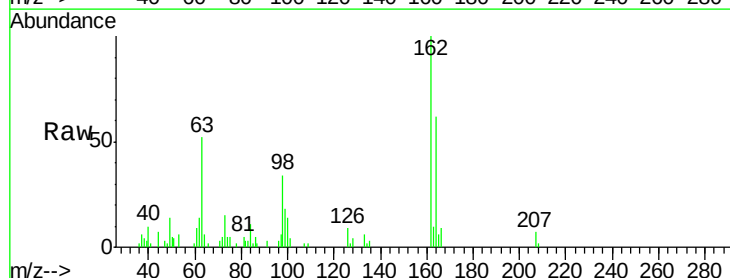
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

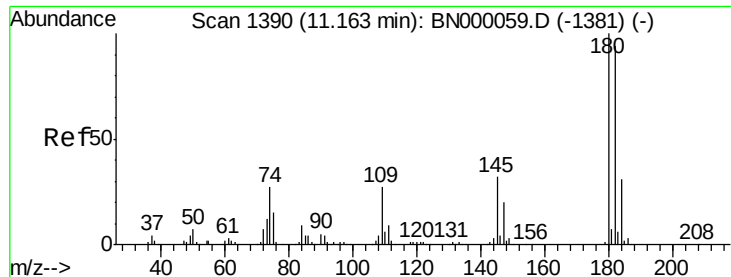
Tot Ion	Ratio	Lower	Upper
93	100		
95	28.4	24.3	36.5
123	11.8	8.4	12.6



#29
2,4-Dichlorophenol
Concen: 1.268 ng
RT: 10.93 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.1	48.0	88.0
98	34.4	21.1	61.1

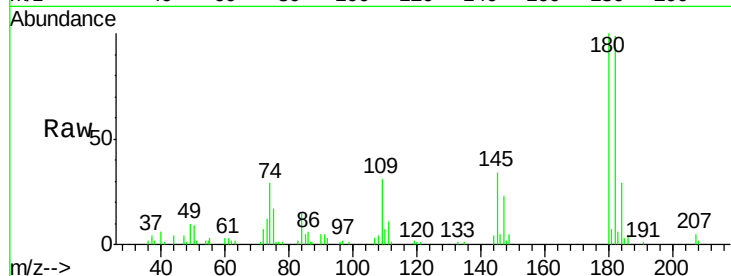




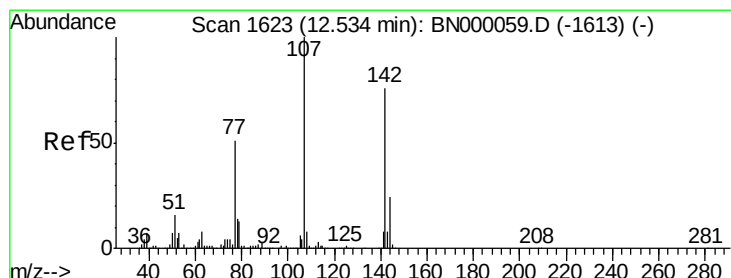
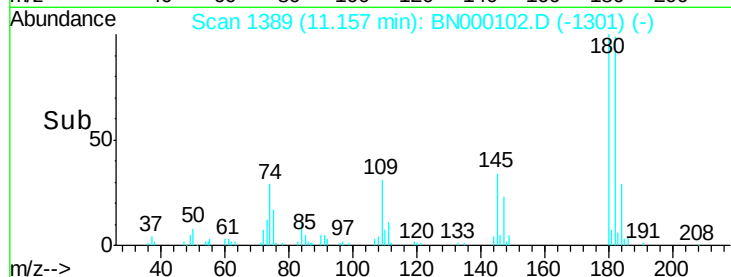
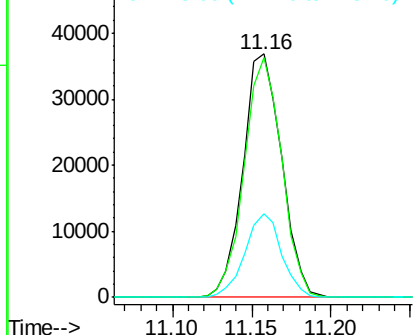
#30
 1,2,4-Trichlorobenzene
 Concen: 1.910 ng
 RT: 11.16 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BN000102.D
 Acq: 15 Feb 2018 18:08

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

Tot Ion:180 Resp: 62549
 Ion Ratio Lower Upper
 180 100
 182 98.7 77.5 116.3
 145 34.5 23.4 35.2

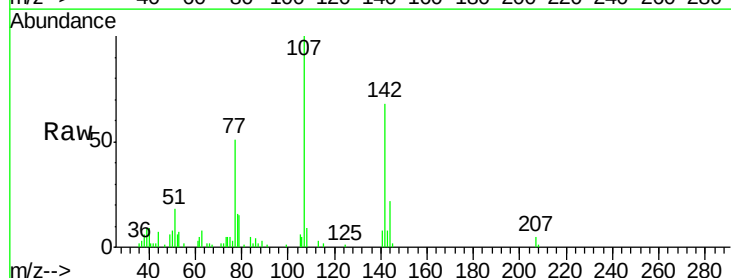


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

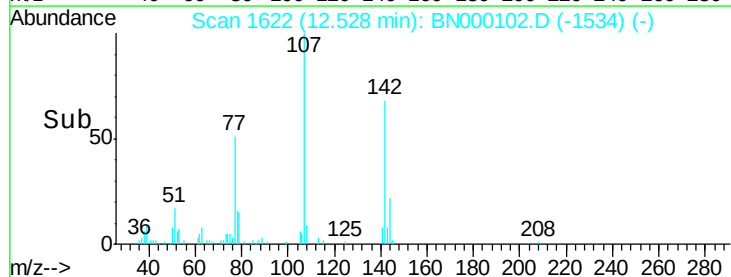
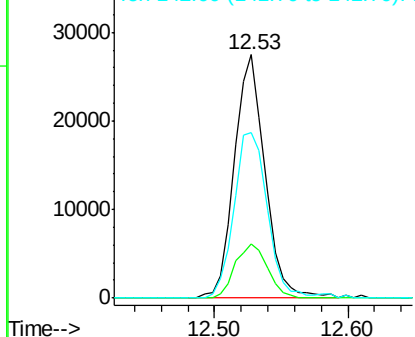


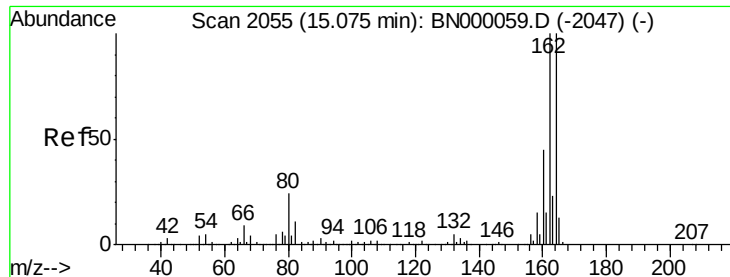
#36
 4-Chloro-3-methylphenol
 Concen: 1.214 ng
 RT: 12.53 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BN000102.D
 Acq: 15 Feb 2018 18:08

Tgt Ion:107 Resp: 43816
 Ion Ratio Lower Upper
 107 100
 144 22.4 18.2 27.4
 142 68.2 59.0 88.4



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

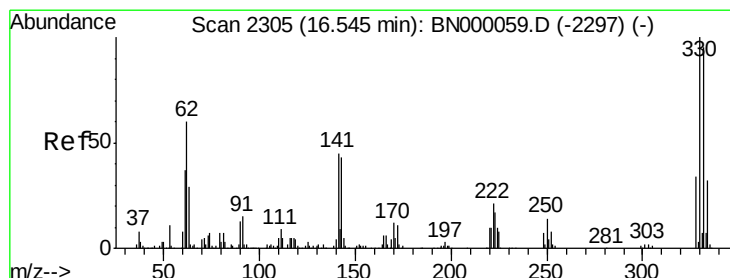
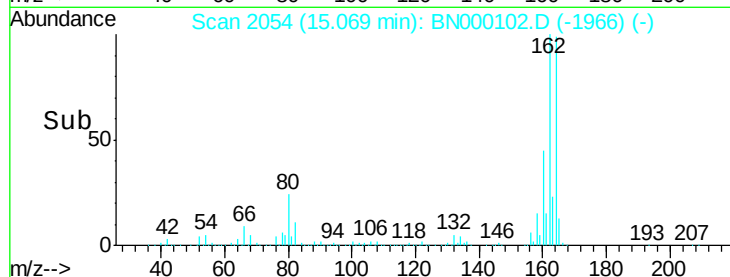
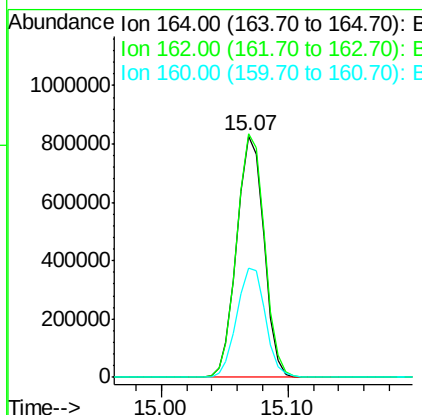
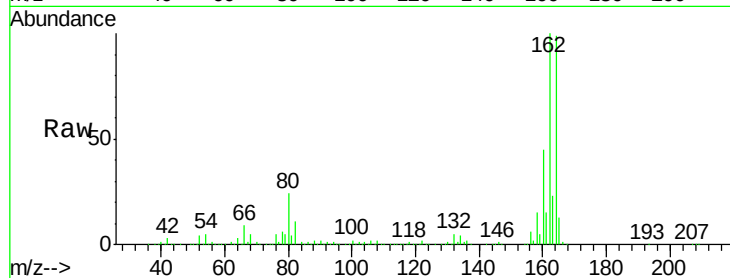




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.07 min Scan# 2054
 Delta R.T. -0.01 min
 Lab File: BN000102.D
 Acq: 15 Feb 2018 18:08

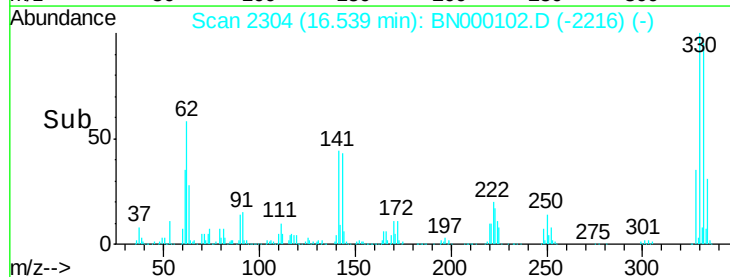
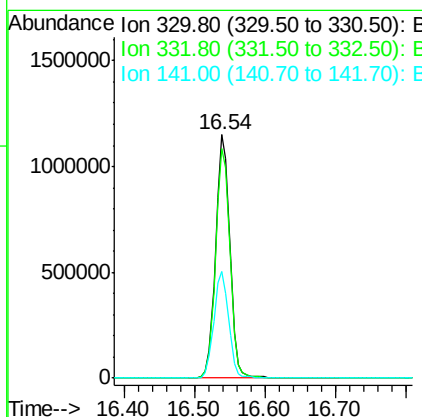
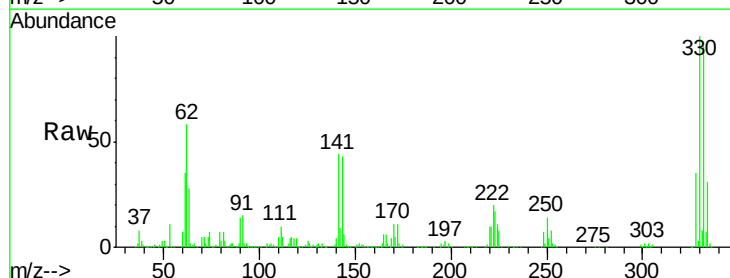
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

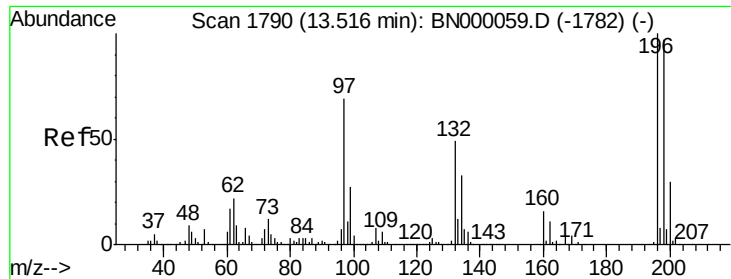
Tot Ion:164 Resp: 1230059
 Ion Ratio Lower Upper
 164 100
 162 100.8 78.8 118.2
 160 45.2 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 132.862 ng
 RT: 16.54 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BN000102.D
 Acq: 15 Feb 2018 18:08

Tgt Ion:330 Resp: 1617692
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 45.5 25.2 37.8#

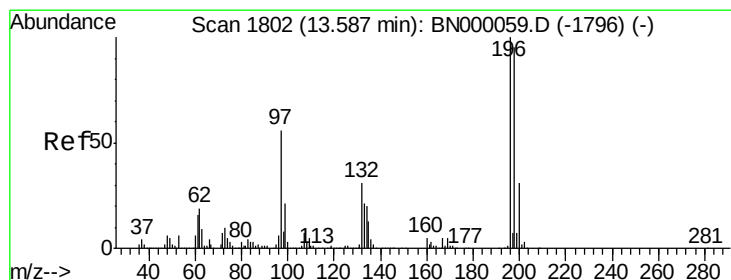
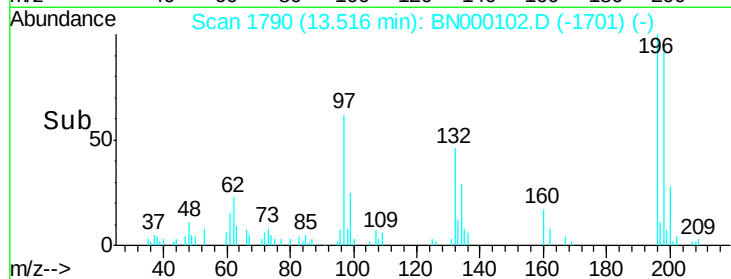
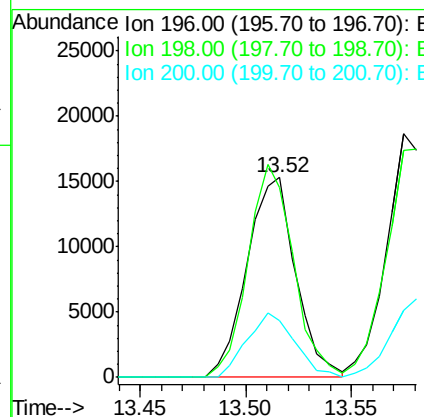
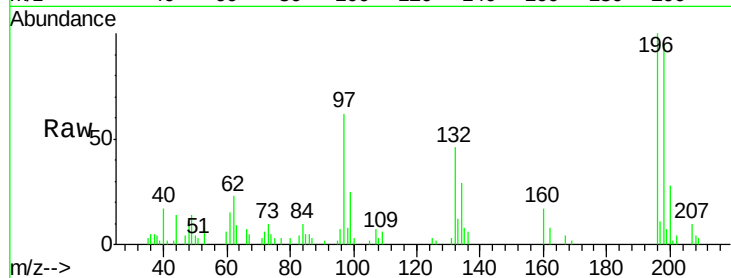




#42
2,4,6-Trichlorophenol
Concen: 1.129 ng
RT: 13.52 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

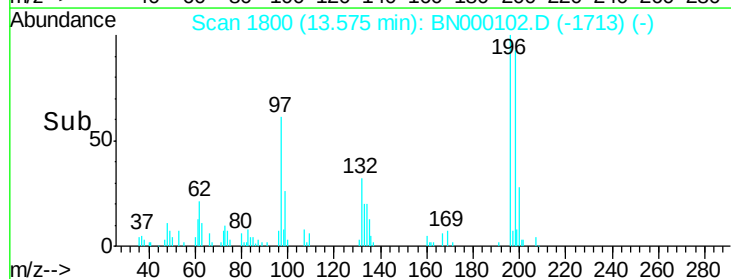
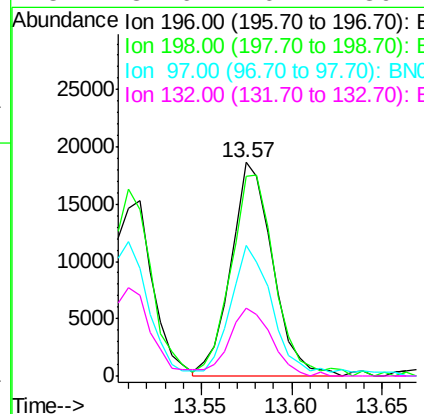
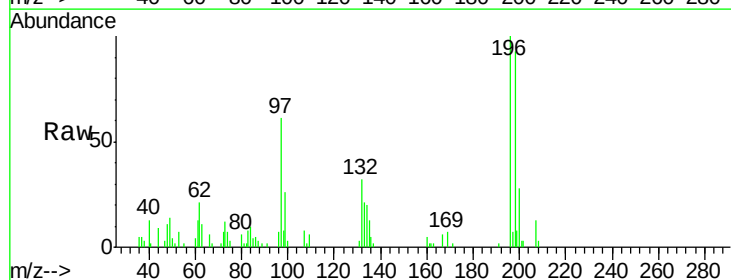
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

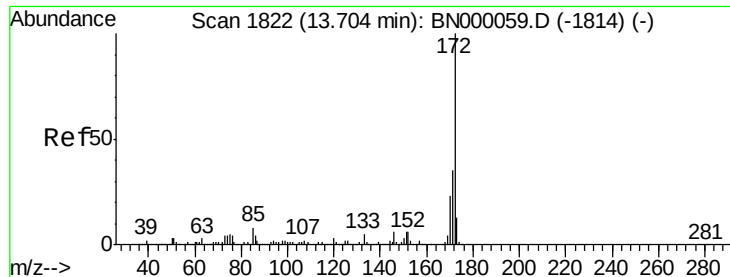
Tot Ion:196 Resp: 24560
Ion Ratio Lower Upper
196 100
198 94.8 78.2 117.2
200 28.4 24.6 36.8



#43
2,4,5-Trichlorophenol
Concen: 1.141 ng
RT: 13.57 min Scan# 1800
Delta R.T. -0.02 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt Ion:196 Resp: 29836
Ion Ratio Lower Upper
196 100
198 93.4 76.2 114.4
97 60.9 38.7 58.1#
132 31.6 20.2 30.2#

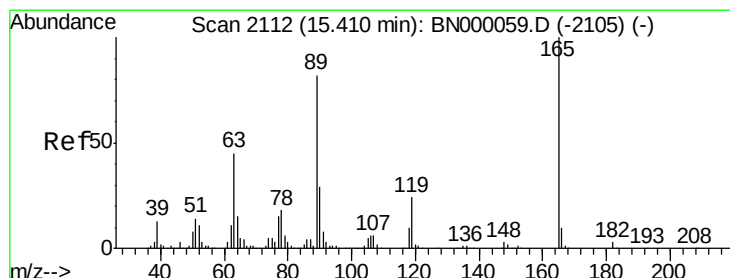
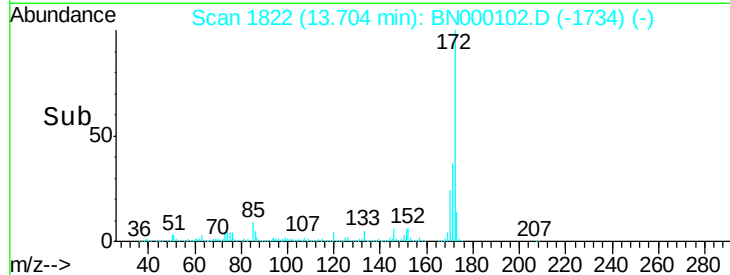
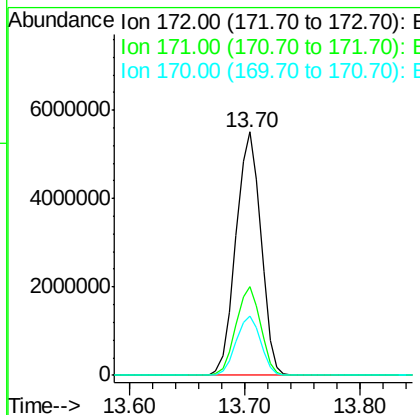
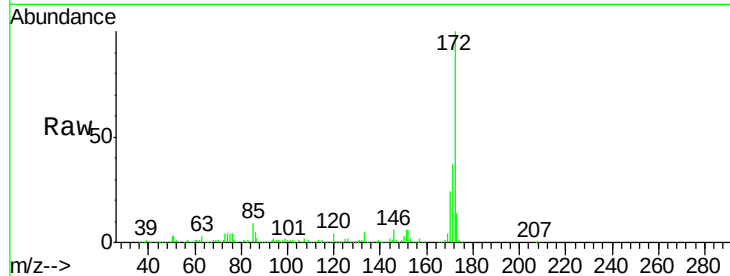




#44
2-Fluorobiphenyl
Concen: 94.333 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

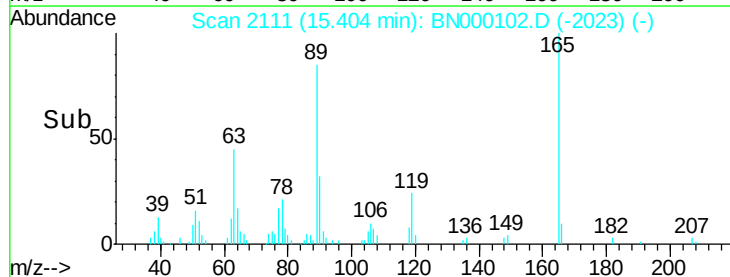
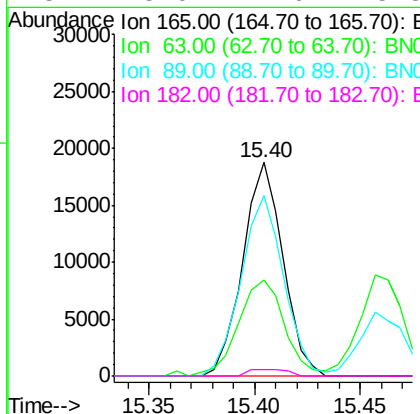
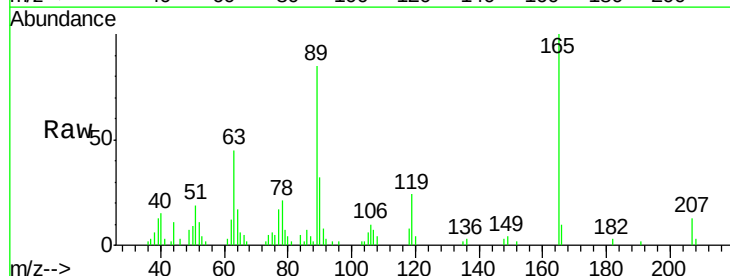
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

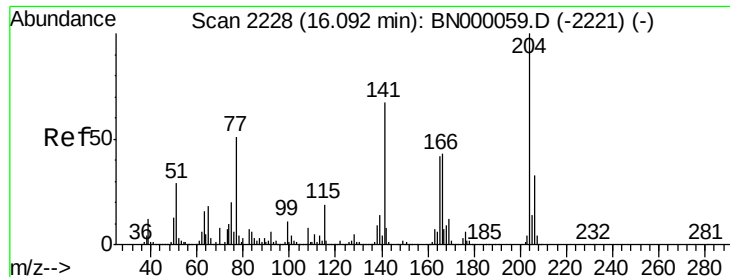
Tot Ion:172 Resp: 8232895
Ion Ratio Lower Upper
172 100
171 36.5 30.0 45.0
170 24.4 19.5 29.3



#56
2,4-Dinitrotoluene
Concen: 4.928 ng
RT: 15.40 min Scan# 2111
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt Ion:165 Resp: 24795
Ion Ratio Lower Upper
165 100
63 45.0 42.0 63.0
89 84.6 66.9 100.3
182 3.0 2.6 3.8





#60

4-Chlorophenyl-phenylether

Concen: 1.927 ng

RT: 16.09 min Scan# 2227

Delta R.T. -0.02 min

Lab File: BN000102.D

Acq: 15 Feb 2018 18:08

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

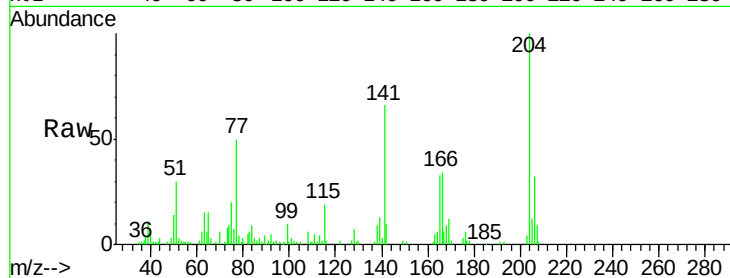
Tot Ion:204 Resp: 86559

Ion Ratio Lower Upper

204 100

206 32.5 26.2 39.2

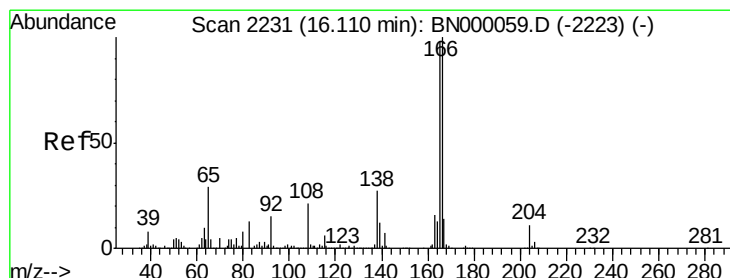
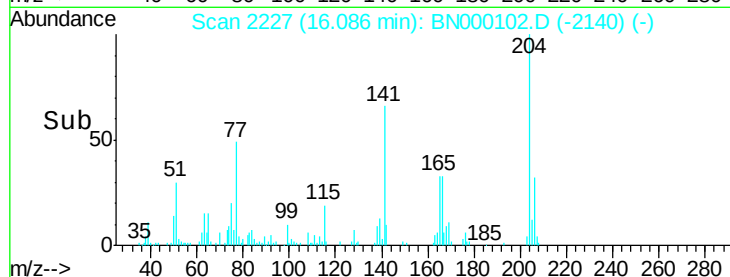
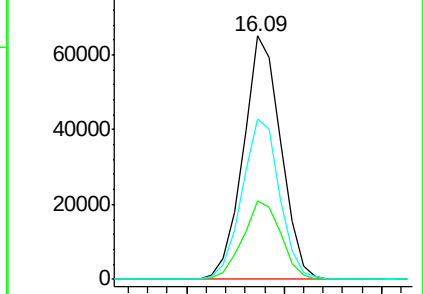
141 65.8 45.8 68.6



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#61

4-Nitroaniline

Concen: 1.009 ng

RT: 16.10 min Scan# 2229

Delta R.T. -0.02 min

Lab File: BN000102.D

Acq: 15 Feb 2018 18:08

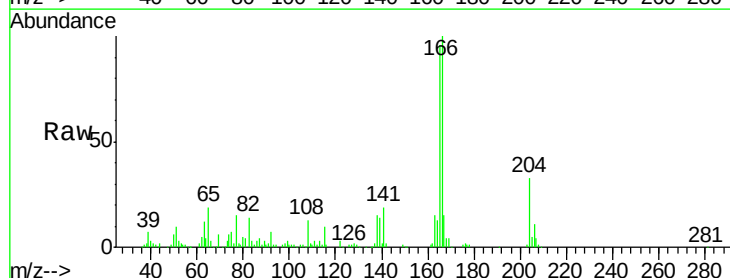
Tgt Ion:138 Resp: 26745

Ion Ratio Lower Upper

138 100

92 51.0 40.1 80.1

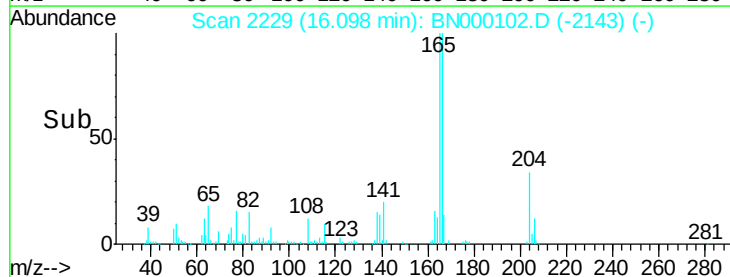
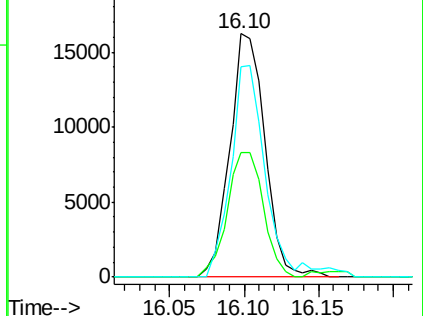
108 86.6 65.4 105.4

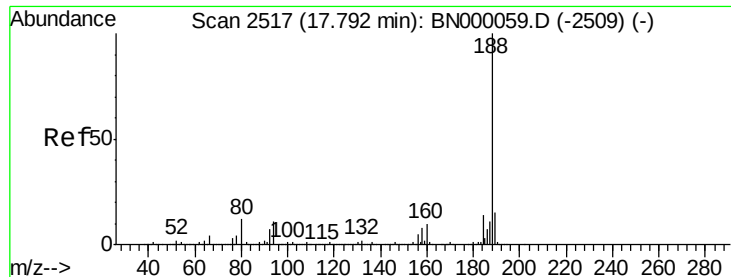


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BNC

Ion 108.00 (107.70 to 108.70): E

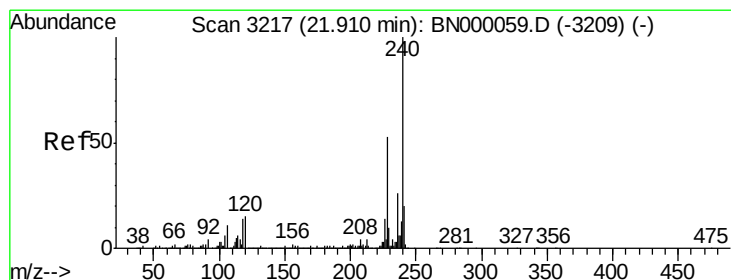
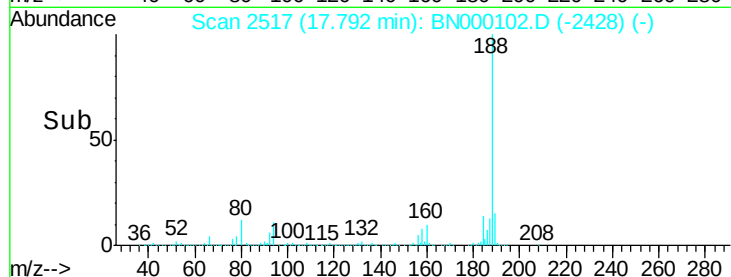
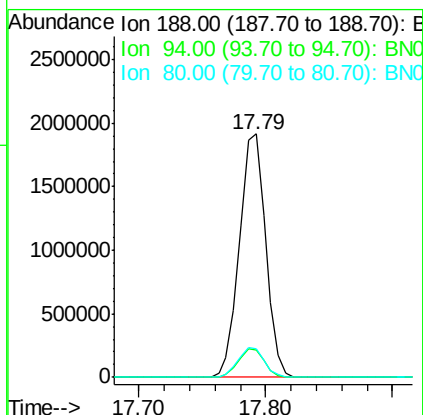
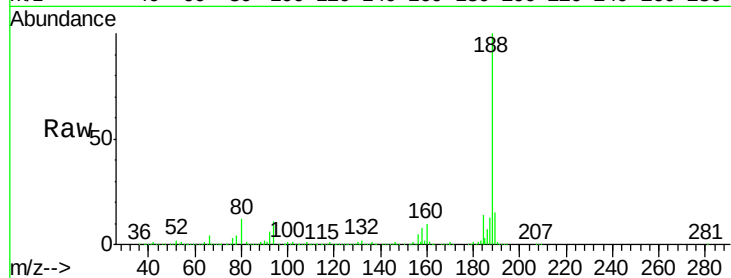




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.79 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

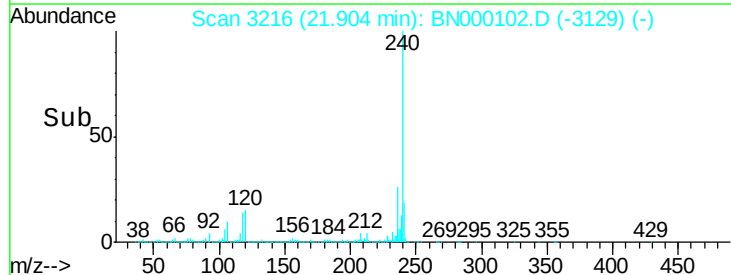
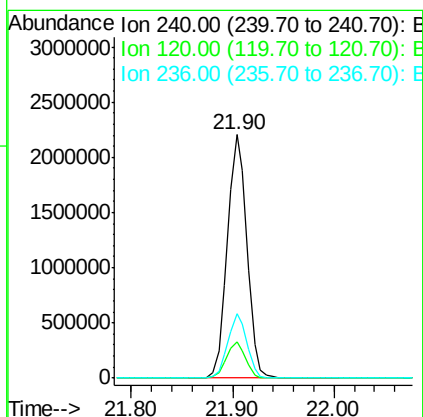
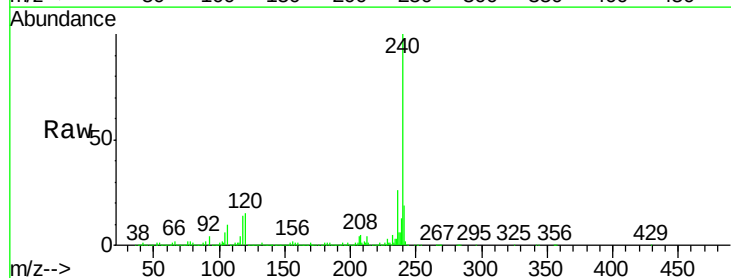
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

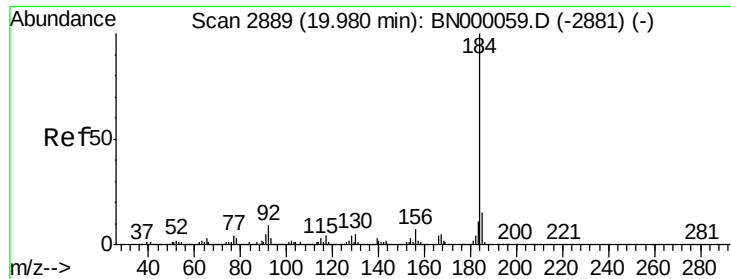
Tot Ion:188 Resp: 2751084
Ion Ratio Lower Upper
188 100
94 11.1 6.9 10.3#
80 11.8 7.7 11.5#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.90 min Scan# 3216
Delta R.T. -0.02 min
Lab File: BN000102.D
Acq: 15 Feb 2018 18:08

Tgt Ion:240 Resp: 2956501
Ion Ratio Lower Upper
240 100
120 14.9 6.8 10.2#
236 26.4 20.9 31.3





#76

Benzidine

Concen: 0.632 ng

RT: 19.97 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BN000102.D

Acq: 15 Feb 2018 18:08

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

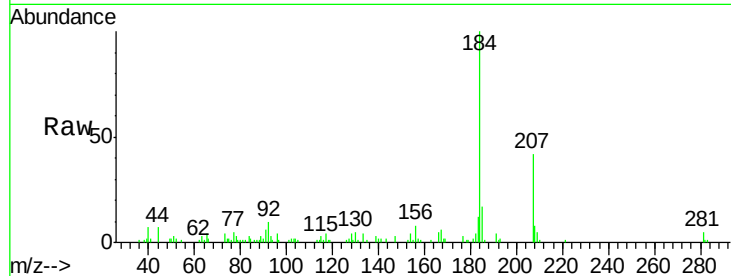
Tot Ion:184 Resp: 59587

Ion Ratio Lower Upper

184 100

185 17.2 11.1 16.7#

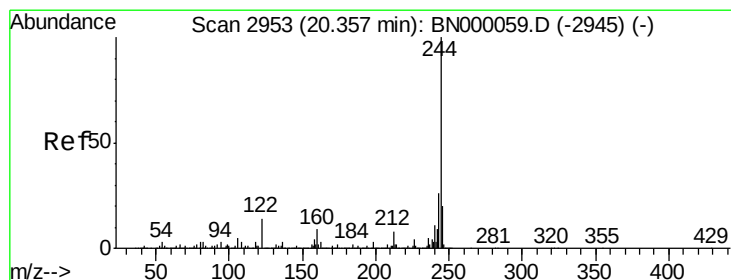
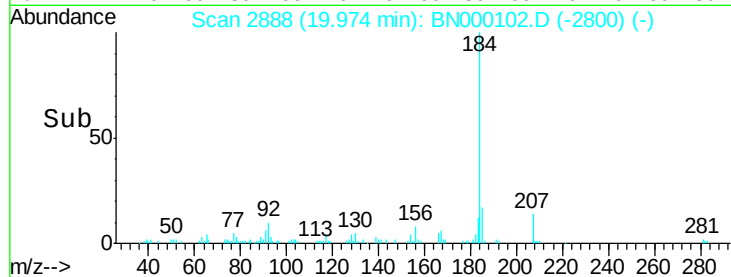
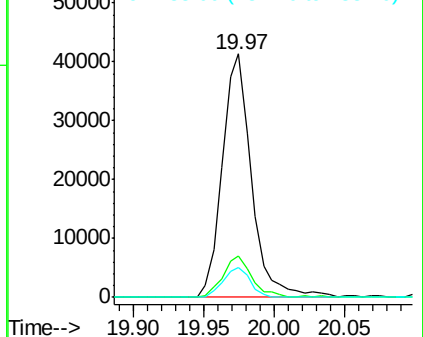
183 12.4 10.6 16.0



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: 93.312 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000102.D

Acq: 15 Feb 2018 18:08

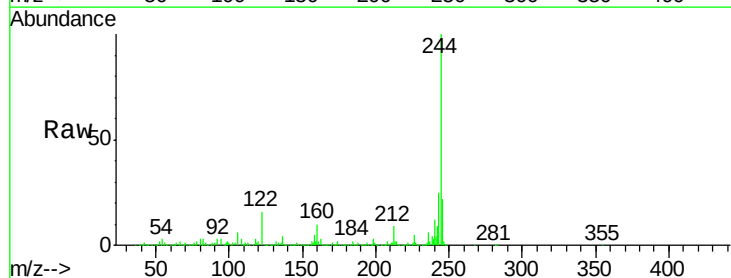
Tgt Ion:244 Resp:10217133

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

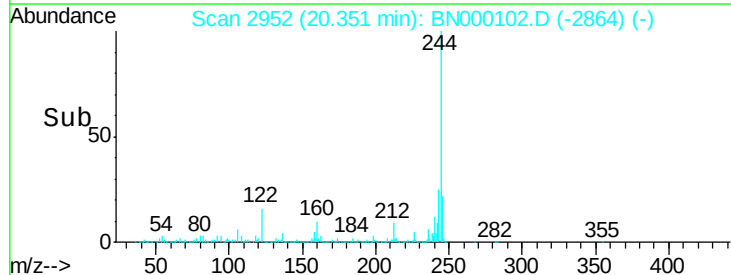
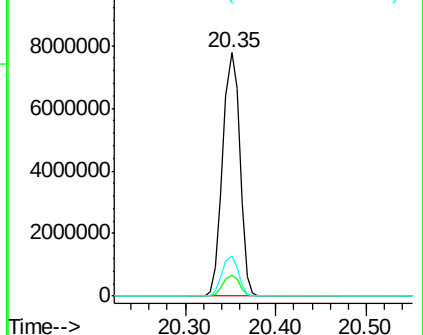
122 16.2 7.0 10.4#

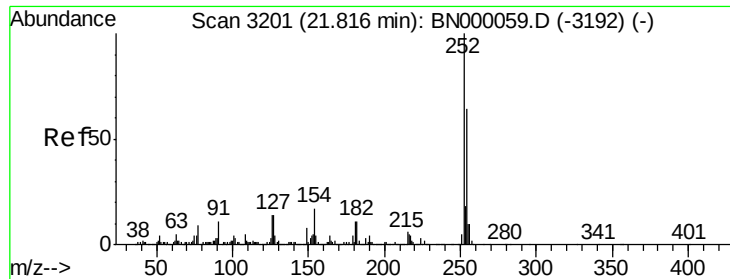


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

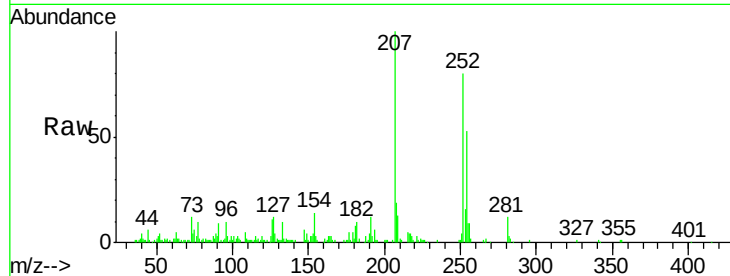




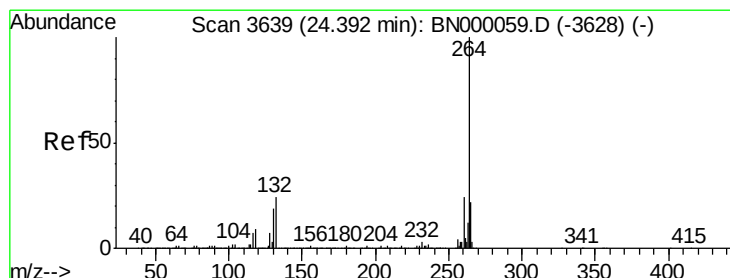
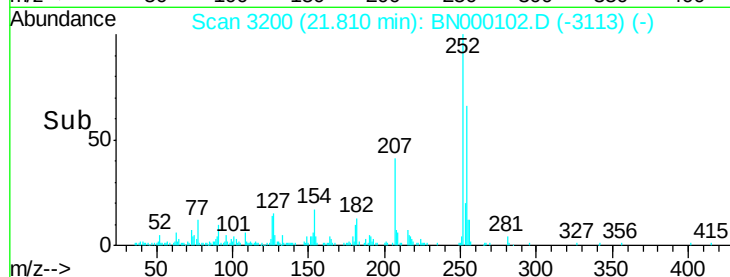
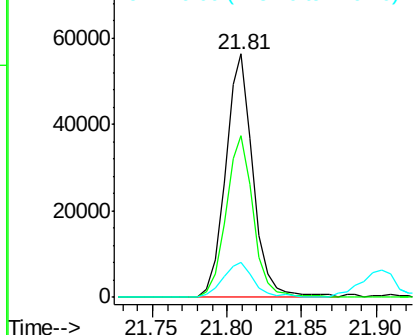
#81
 3,3'-Dichlorobenzidine
 Concen: 1.087 ng
 RT: 21.81 min Scan# 3200
 Delta R.T. -0.02 min
 Lab File: BN000102.D
 Acq: 15 Feb 2018 18:08

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

Tot Ion:252 Resp: 72578
 Ion Ratio Lower Upper
 252 100
 254 66.3 50.8 76.2
 126 14.4 7.4 11.2#

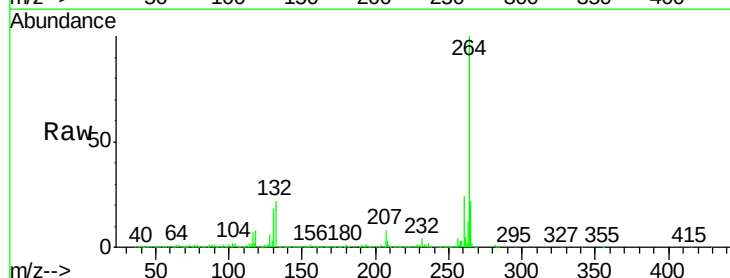


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.39 min Scan# 3638
 Delta R.T. -0.03 min
 Lab File: BN000102.D
 Acq: 15 Feb 2018 18:08

Tgt Ion:264 Resp: 3116598
 Ion Ratio Lower Upper
 264 100
 260 24.4 17.4 26.0
 265 22.0 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

