

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
 Data File : BN002154.D
 Acq On : 26 Jul 2018 01:58
 Operator : JU/SJ
 Sample : J3762-07
 Misc : LOD 2 PPM
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 26 07:18:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 20:08:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	209081	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	848004	20.00	ng	0.00
38) Acenaphthene-d10	14.32	164	488667	20.00	ng	0.00
63) Phenanthrene-d10	17.07	188	1023140	20.00	ng	0.00
75) Chrysene-d12	21.27	240	914777	20.00	ng	0.00
86) Perylene-d12	23.49	264	871977	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1606317	123.69	ng	0.00
7) Phenol-d6	6.88	99	2167277	118.92	ng	0.00
23) Nitrobenzene-d5	8.84	82	1481596	89.60	ng	0.00
41) 2,4,6-Tribromophenol	15.82	330	816697	128.70	ng	0.00
44) 2-Fluorobiphenyl	12.94	172	3309014	88.20	ng	0.00
78) Terphenyl-d14	19.71	244	4704112	107.25	ng	0.00

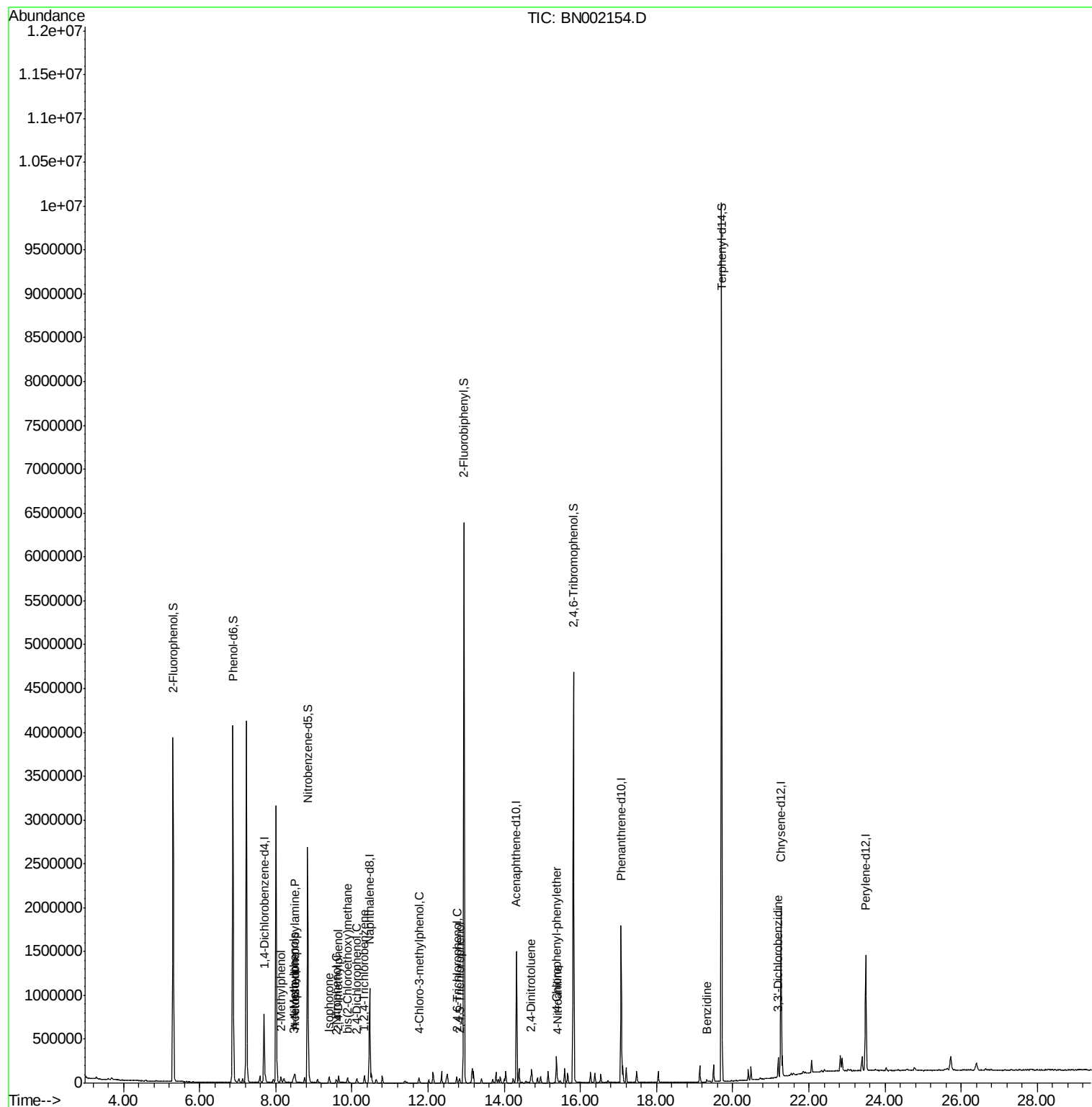
Target Compounds				Qvalue		
17) 2-Methylphenol	8.13	107	21028	1.649	ng	97
19) n-Nitroso-di-n-propylamine	8.49	70	20055	1.517	ng	# 95
20) 3+4-Methylphenols	8.46	107	28073	1.578	ng	93
22) Acetophenone	8.51	105	41719	1.897	ng	# 93
25) Isophorone	9.40	82	54893	1.933	ng	95
26) 2-Nitrophenol	9.59	139	11702	1.414	ng	# 94
27) 2,4-Dimethylphenol	9.65	122	22452	1.950	ng	92
28) bis(2-Chloroethoxy)methane	9.89	93	35277	1.923	ng	99
29) 2,4-Dichlorophenol	10.13	162	20811	1.550	ng	95
30) 1,2,4-Trichlorobenzene	10.33	180	28368	1.866	ng	95
36) 4-Chloro-3-methylphenol	11.76	107	24054	1.576	ng	93
42) 2,4,6-Trichlorophenol	12.75	196	16139	1.464	ng	84
43) 2,4,5-Trichlorophenol	12.83	196	18569	1.590	ng	# 93
56) 2,4-Dinitrotoluene	14.70	165	16639	1.359	ng	# 95
60) 4-Chlorophenyl-phenylether	15.37	204	37323	1.819	ng	95
61) 4-Nitroaniline	15.40	138	12428	1.248	ng	87
76) Benzidine	19.33	184	21835	0.732	ng	97
81) 3,3'-Dichlorobenzidine	21.19	252	21395	0.985	ng	# 99

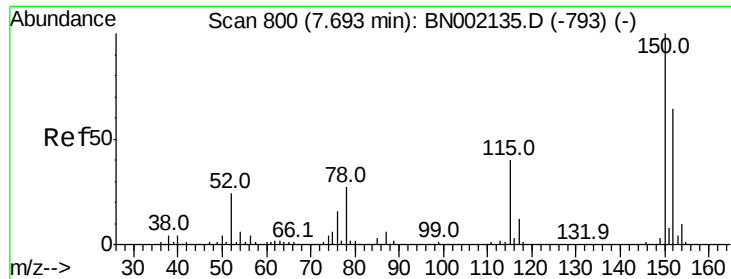
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\
Data File : BN002154.D
Acq On : 26 Jul 2018 01:58
Operator : JU/SJ
Sample : J3762-07
Misc : LOD 2 PPM
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 26 07:18:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 25 20:08:02 2018
Response via : Initial Calibration



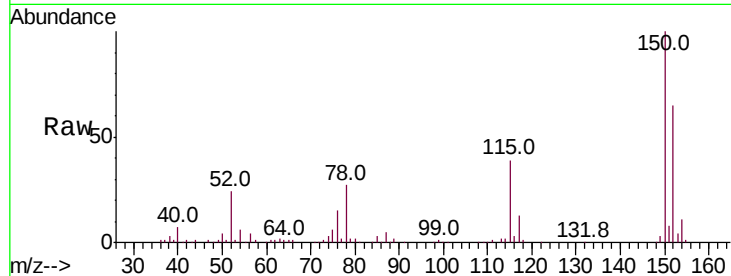


#1

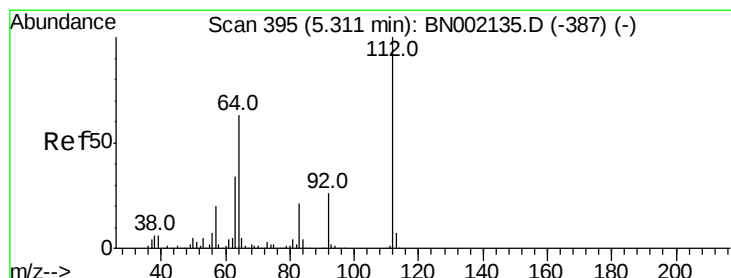
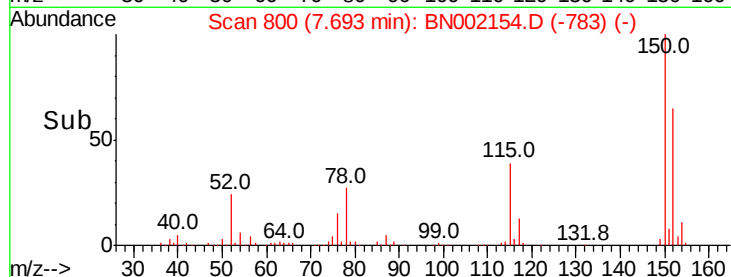
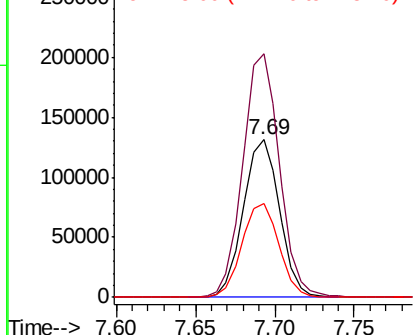
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 800
Delta R.T. 0.00 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

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

Tot Ion:152 Resp: 209081
Ion Ratio Lower Upper
152 100
150 154.3 126.6 189.8
115 59.6 53.0 79.4



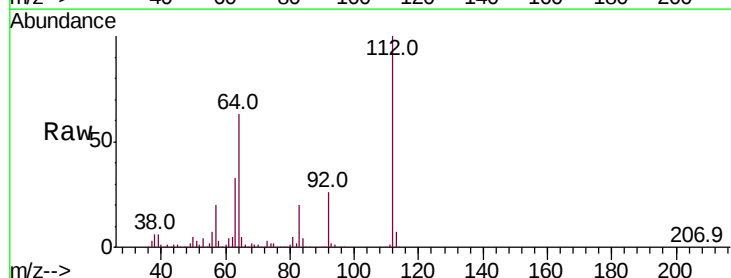
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



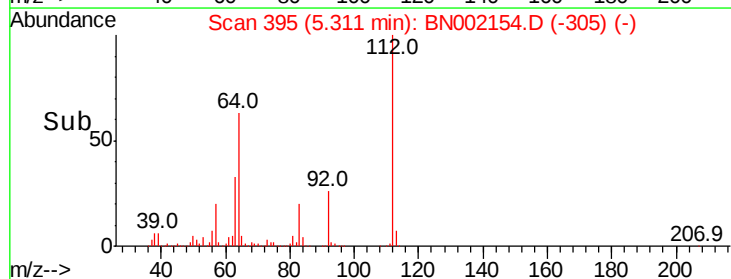
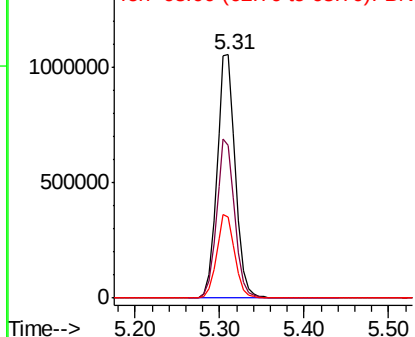
#5

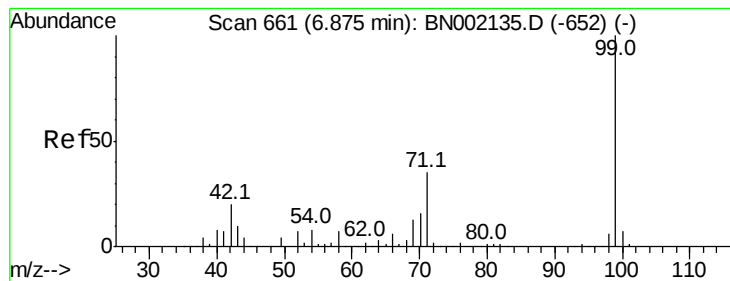
2-Fluorophenol
Concen: 123.687 ng
RT: 5.31 min Scan# 395
Delta R.T. 0.00 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

Tgt Ion:112 Resp: 1606317
Ion Ratio Lower Upper
112 100
64 62.7 56.3 84.5
63 33.1 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: 118.919 ng

RT: 6.88 min Scan# 661

Delta R.T. 0.00 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

Instrument :

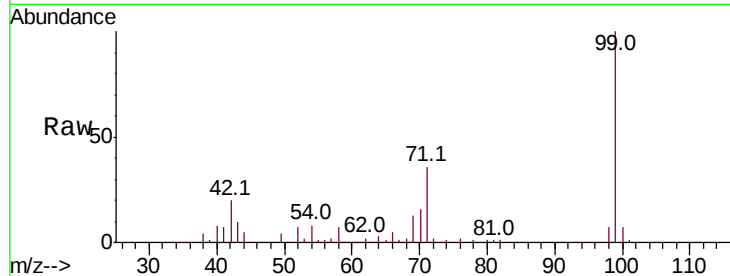
BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 99 Resp: 2167277

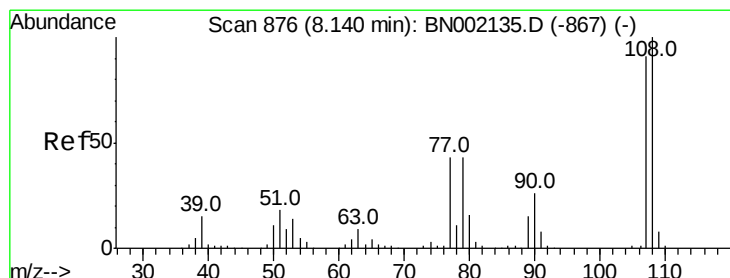
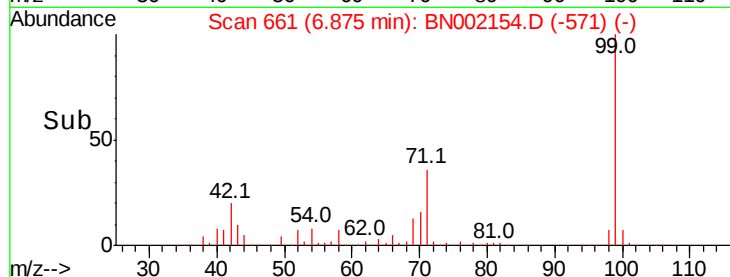
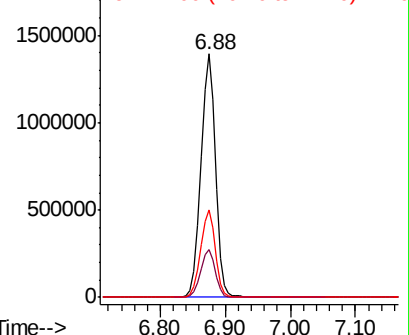
Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.1	21.1
71	36.1	26.1	39.1



Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0



#17

2-Methylphenol

Concen: 1.649 ng

RT: 8.13 min Scan# 875

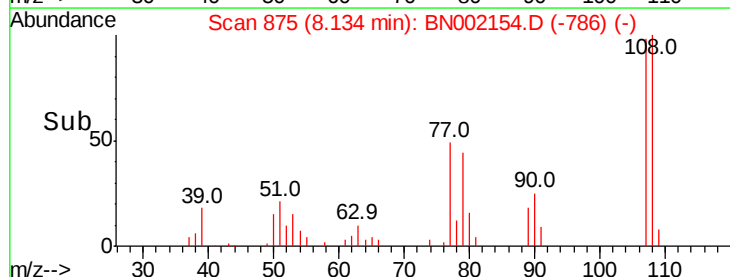
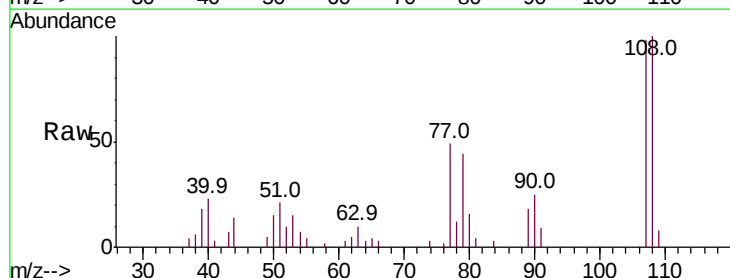
Delta R.T. -0.01 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

Tgt Ion:107 Resp: 21028

Ion	Ratio	Lower	Upper
107	100		
108	101.8	83.9	125.9
77	49.7	37.2	55.8
79	44.9	36.2	54.2

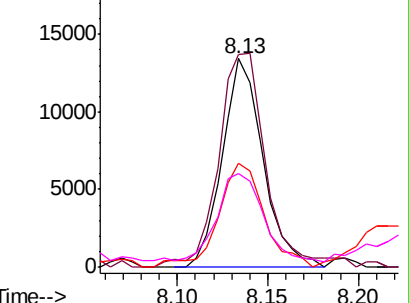


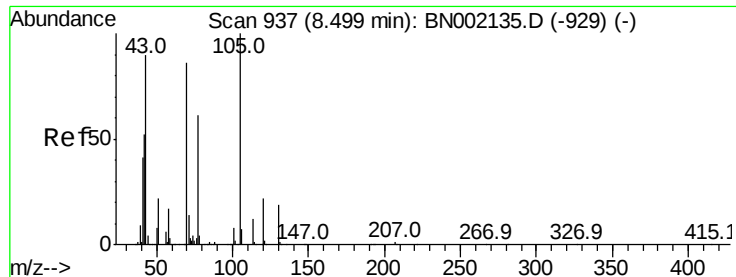
Abundance Ion 107.00 (106.70 to 107.70): E

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





#19

n-Nitroso-di-n-propylamine

Concen: 1.517 ng

RT: 8.49 min Scan# 935

Delta R.T. -0.01 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

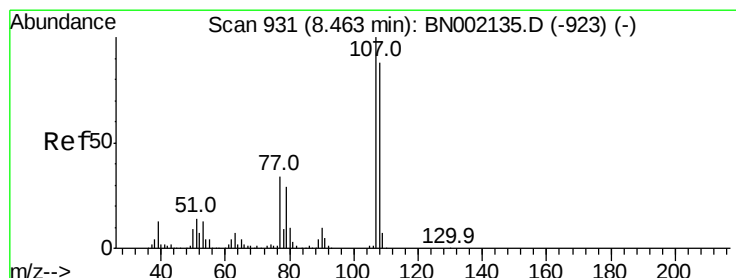
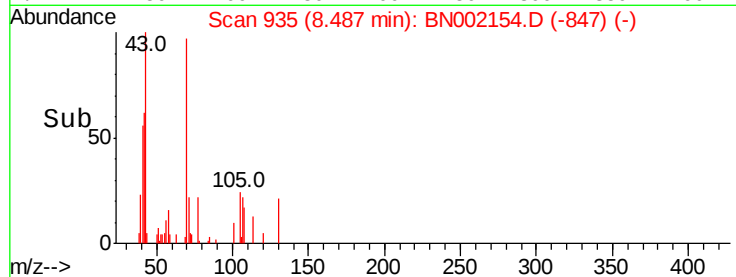
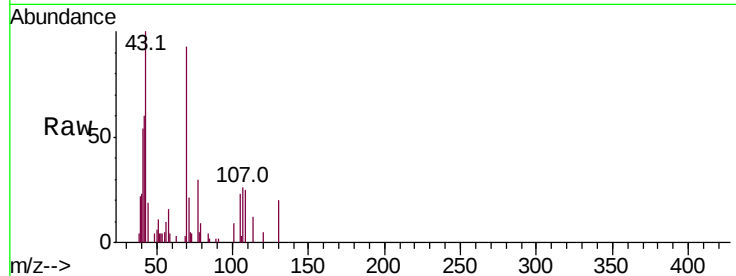
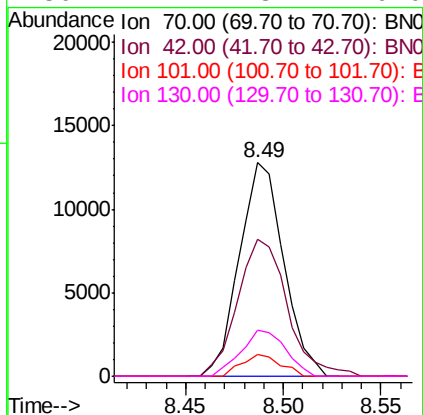
Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion:	70	Resp:	20055
Ion	Ratio	Lower	Upper
70	100		
42	64.4	49.1	73.7
101	10.2	8.5	12.7
130	21.4	13.4	20.0#



#20

3+4-Methylphenols

Concen: 1.578 ng

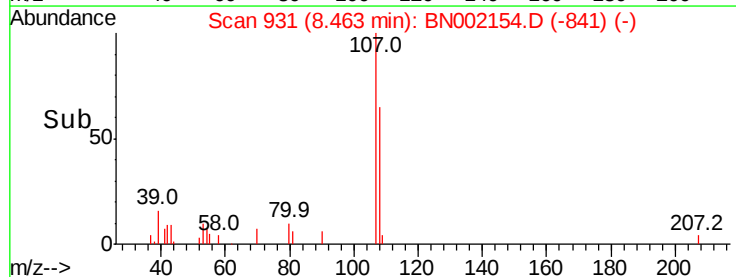
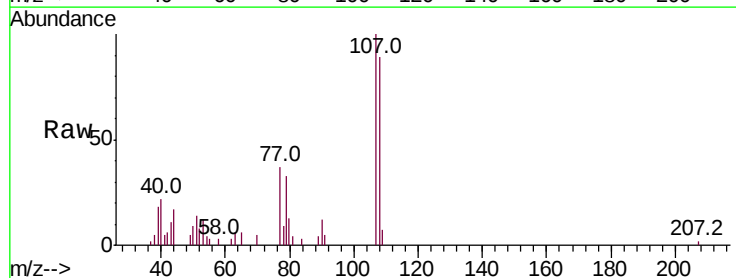
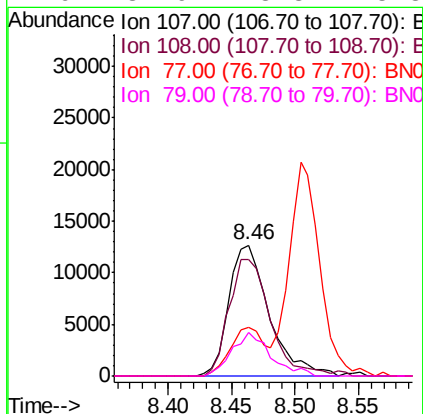
RT: 8.46 min Scan# 931

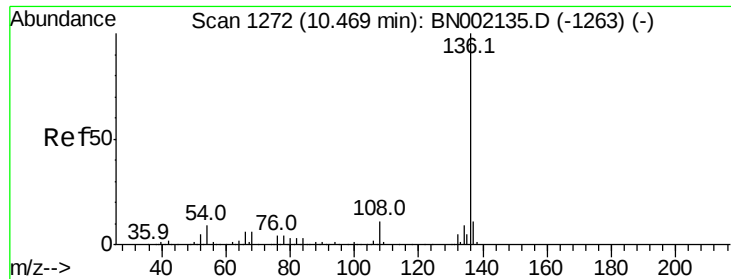
Delta R.T. 0.00 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

Tgt Ion:	107	Resp:	28073
Ion	Ratio	Lower	Upper
107	100		
108	88.6	61.6	101.6
77	37.0	13.9	53.9
79	32.9	8.8	48.8

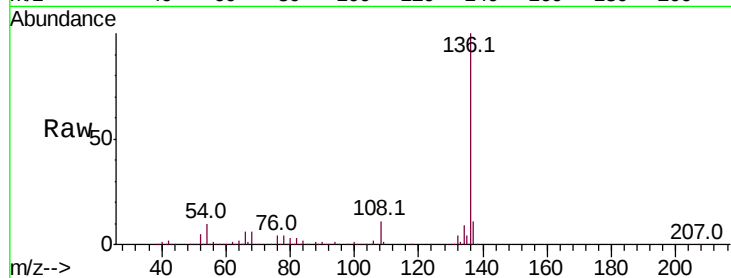




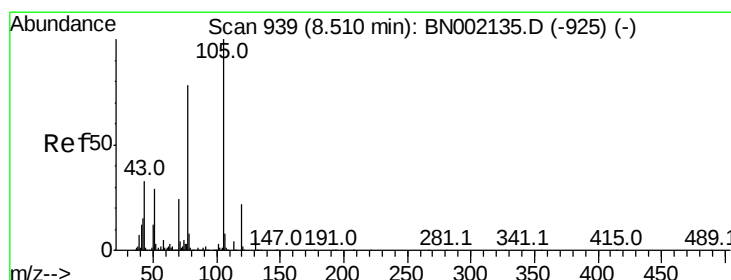
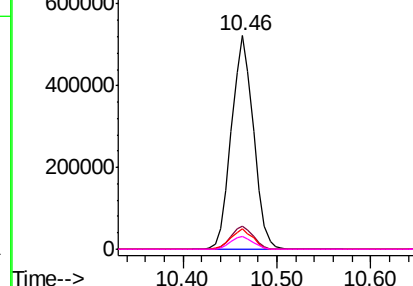
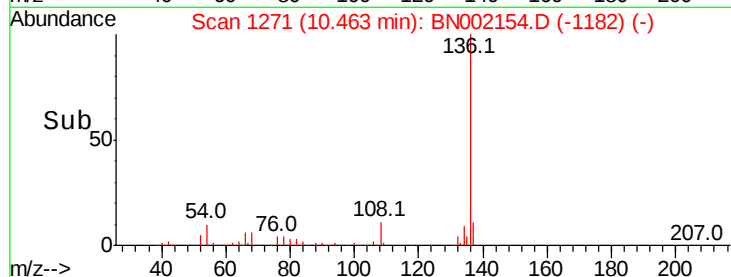
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

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

Tot Ion:	136	Resp:	848004
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.6	10.3	15.5#
68	6.0	4.5	6.7

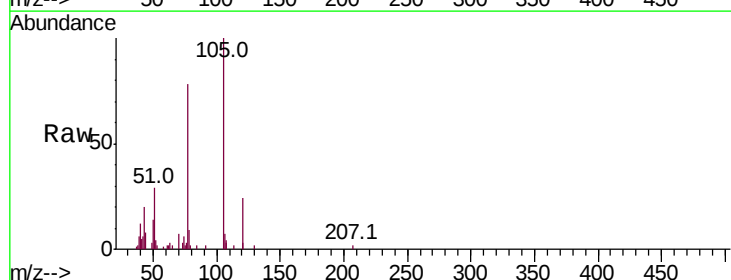


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

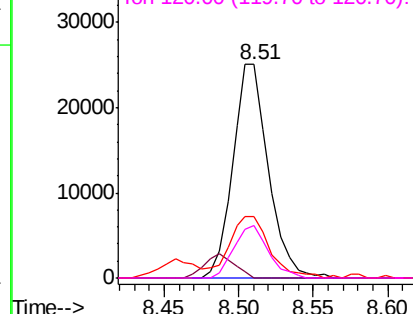
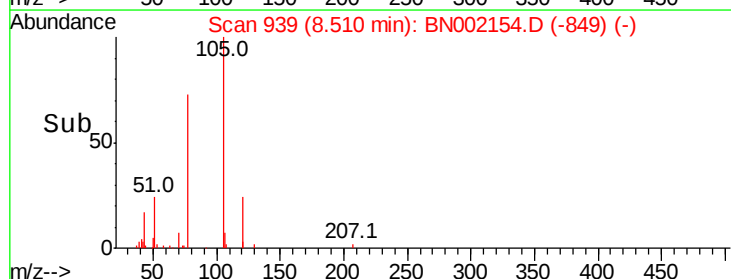


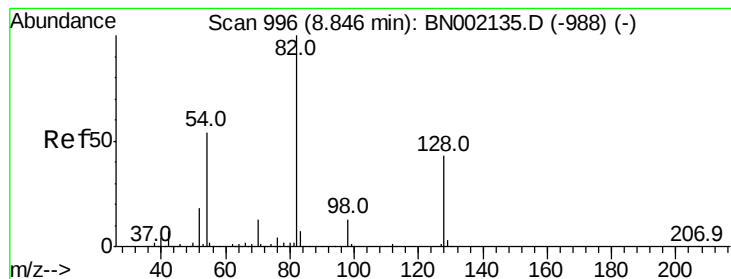
#22
Acetophenone
Concen: 1.897 ng
RT: 8.51 min Scan# 939
Delta R.T. 0.00 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

Tgt Ion:	105	Resp:	41719
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.0	4.4#
51	28.6	26.1	39.1
120	24.3	17.4	26.2



Abundance Ion 105.00 (104.70 to 105.70): E
40000
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: 89.600 ng

RT: 8.84 min Scan# 995

Delta R.T. -0.01 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

Instrument :

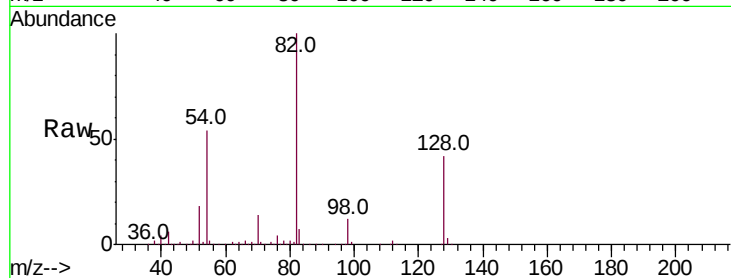
BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

Tot Ion: 82 Resp: 1481596

Ion	Ratio	Lower	Upper
82	100		
128	42.3	29.7	44.5
54	54.4	43.1	64.7

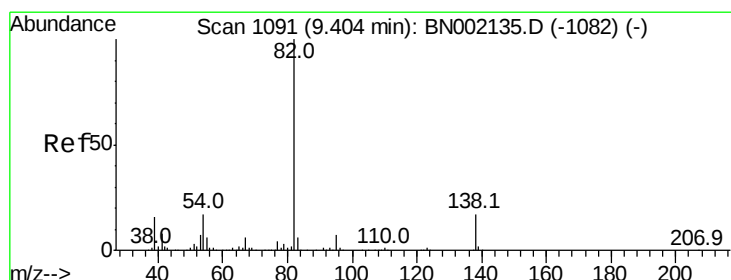
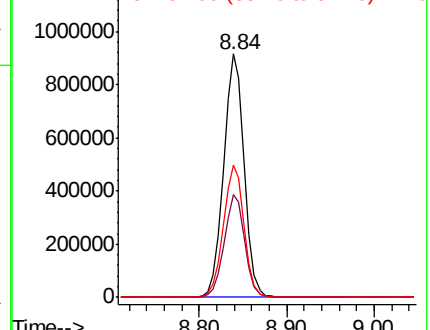
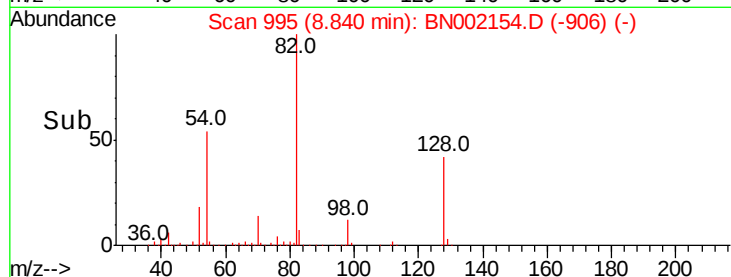


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#25

Isophorone

Concen: 1.933 ng

RT: 9.40 min Scan# 1090

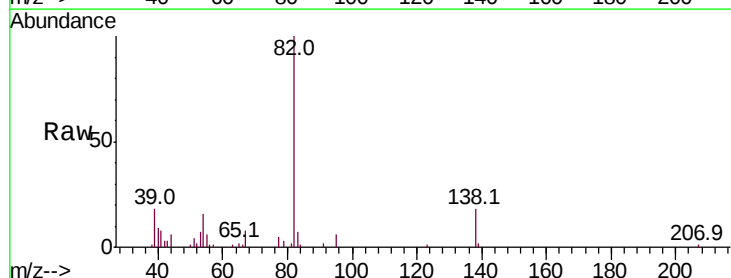
Delta R.T. -0.01 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

Tgt Ion: 82 Resp: 54893

Ion	Ratio	Lower	Upper
82	100		
95	6.2	6.2	9.2
138	17.6	12.1	18.1

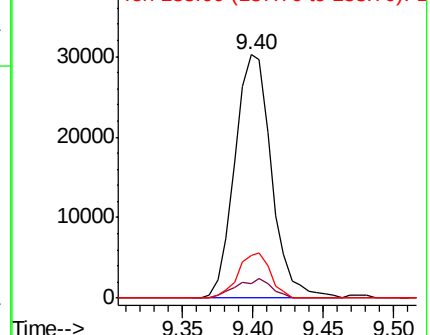
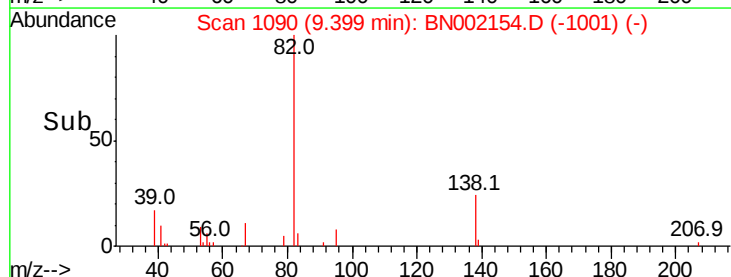


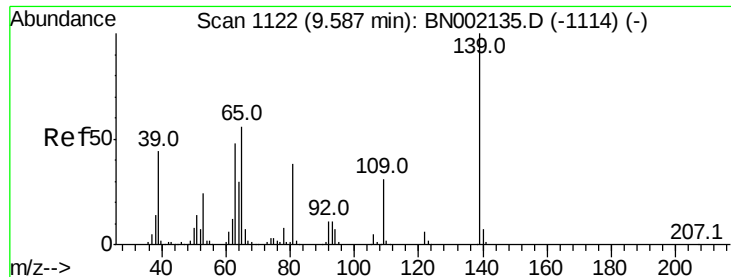
Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 95.00 (94.70 to 95.70): BN0

Ion 138.00 (137.70 to 138.70): E

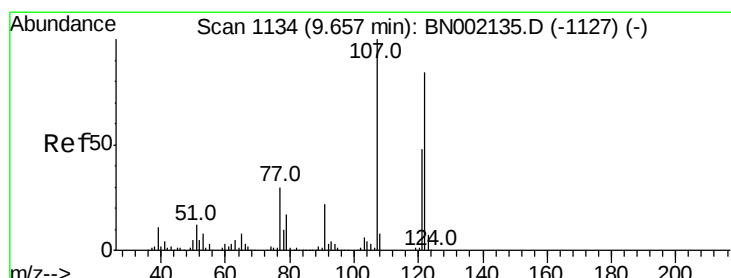
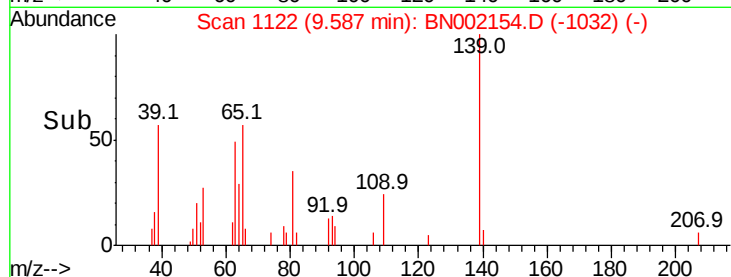
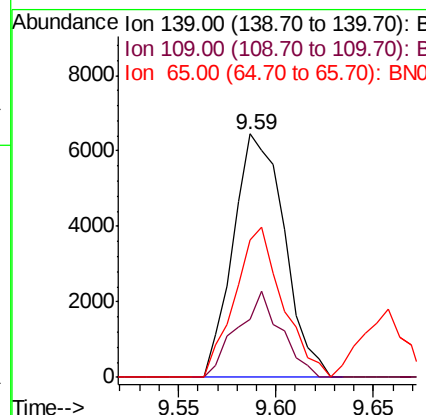
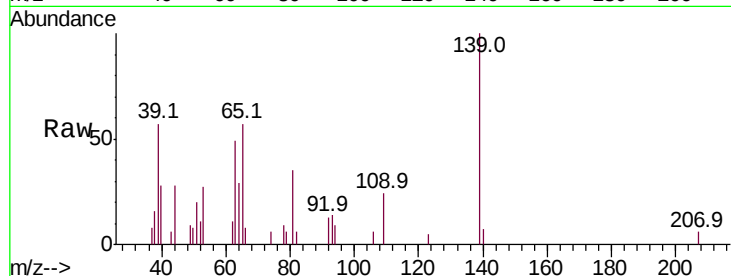




#26
2-Nitrophenol
Concen: 1.414 ng
RT: 9.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

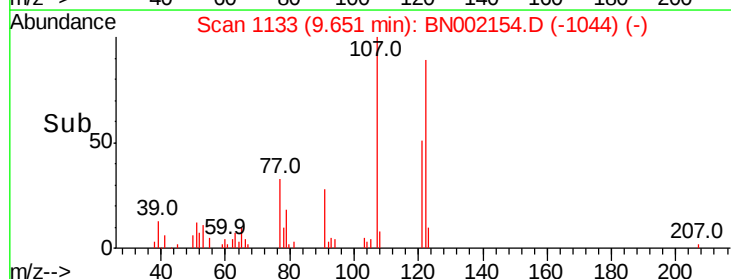
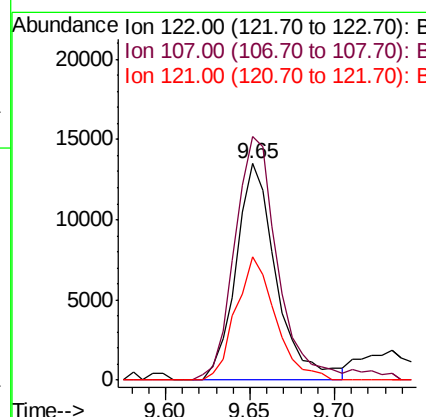
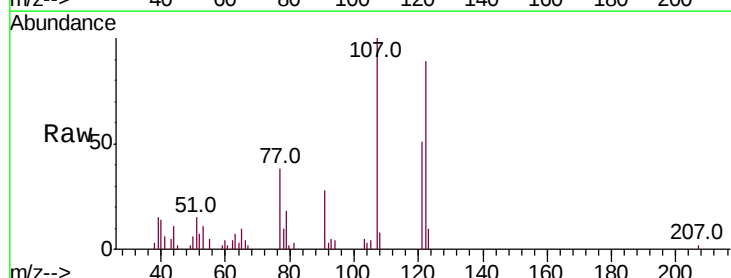
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

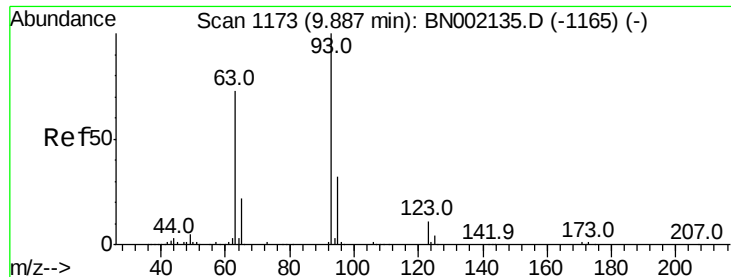
Tot Ion:139 Resp: 11702
Ion Ratio Lower Upper
139 100
109 23.8 24.2 36.2#
65 56.6 47.4 71.0



#27
2,4-Dimethylphenol
Concen: 1.950 ng
RT: 9.65 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

Tgt Ion:122 Resp: 22452
Ion Ratio Lower Upper
122 100
107 112.5 100.2 150.2
121 57.1 44.4 66.6

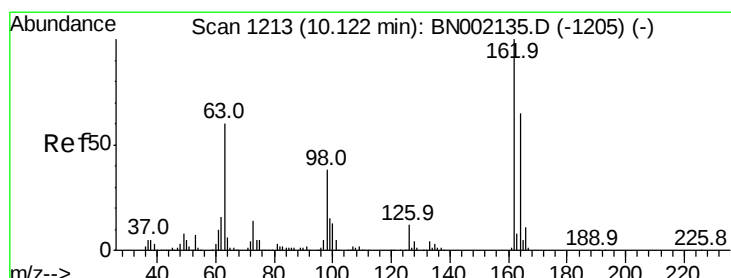
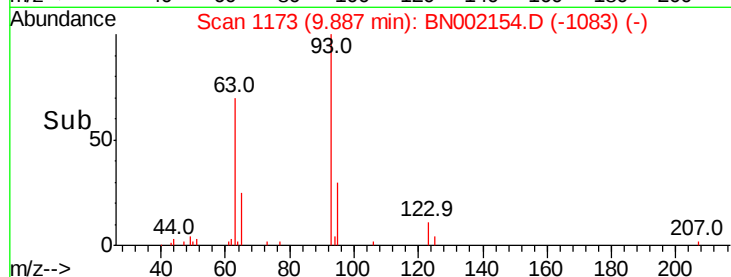
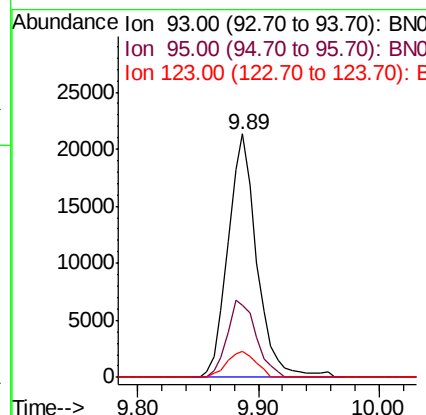
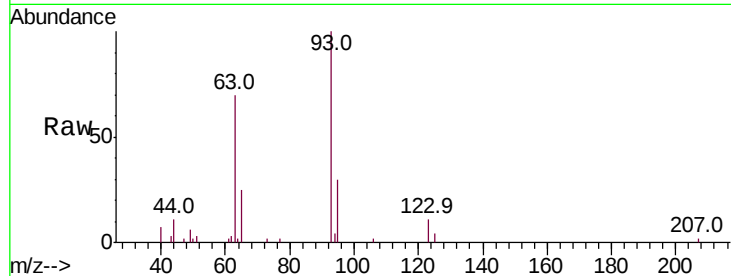




#28
bis(2-Chloroethoxy)methane
Concen: 1.923 ng
RT: 9.89 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

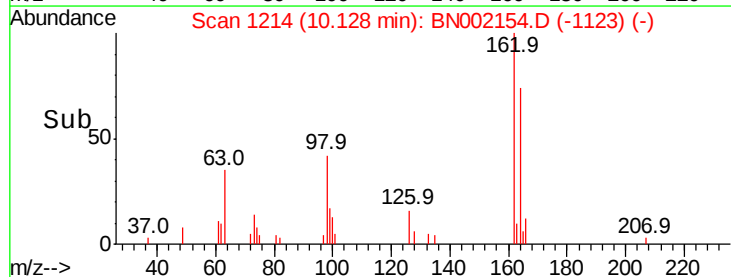
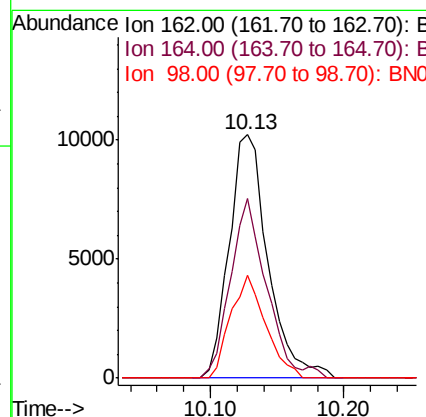
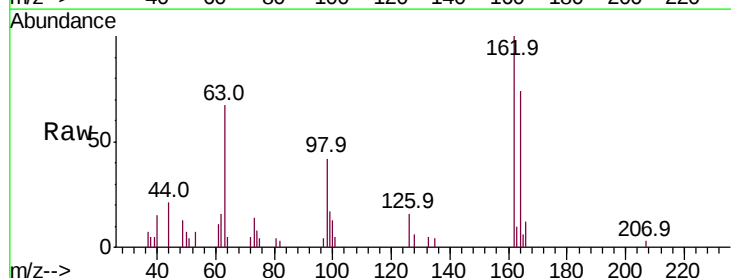
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

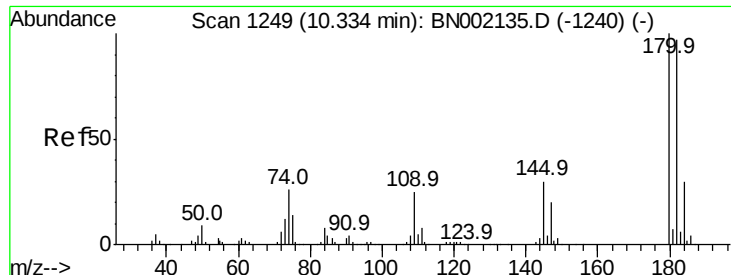
Tot Ion: 93 Resp: 35277
Ion Ratio Lower Upper
93 100
95 29.7 24.3 36.5
123 10.8 8.4 12.6



#29
2,4-Dichlorophenol
Concen: 1.550 ng
RT: 10.13 min Scan# 1214
Delta R.T. 0.01 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

Tgt Ion: 162 Resp: 20811
Ion Ratio Lower Upper
162 100
164 74.0 48.0 88.0
98 42.4 21.1 61.1

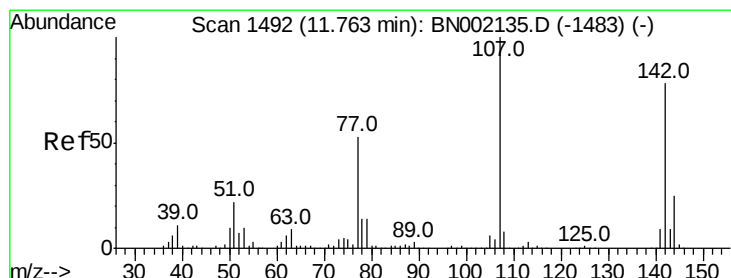
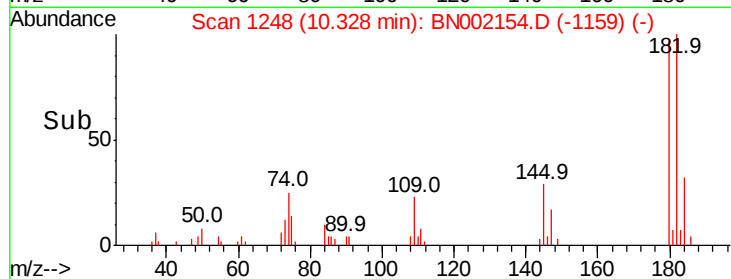
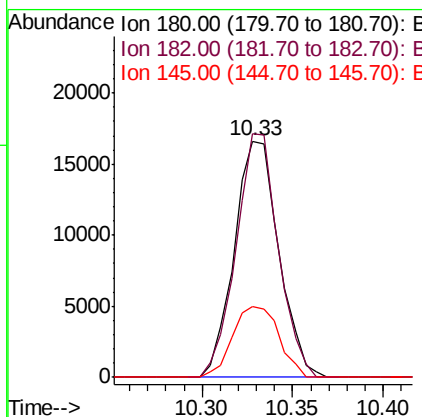
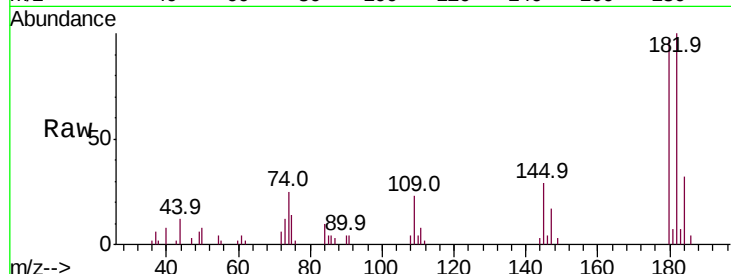




#30
 1,2,4-Trichlorobenzene
 Concen: 1.866 ng
 RT: 10.33 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BN002154.D
 Acq: 26 Jul 2018 01:58

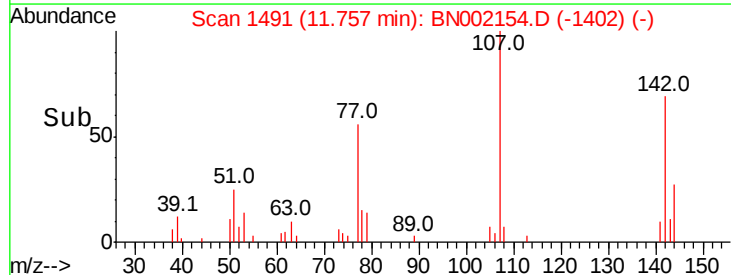
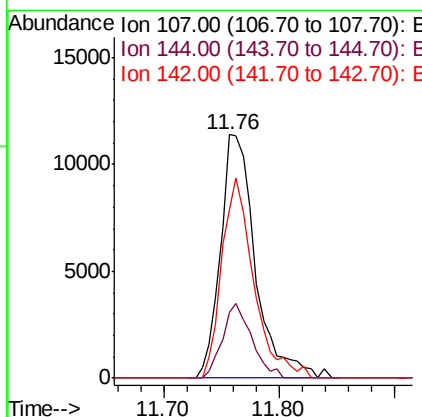
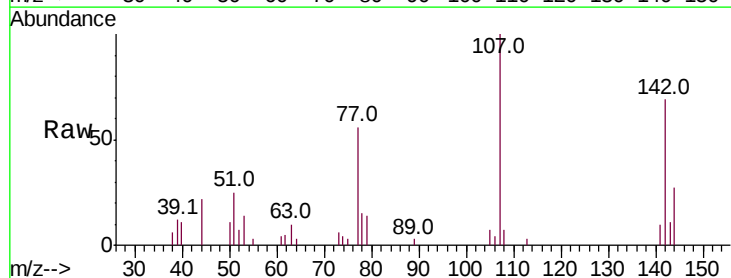
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

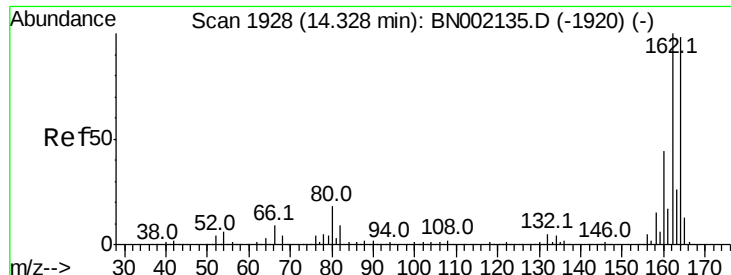
Tot Ion:180 Resp: 28368
 Ion Ratio Lower Upper
 180 100
 182 103.0 77.5 116.3
 145 30.2 23.4 35.2



#36
 4-Chloro-3-methylphenol
 Concen: 1.576 ng
 RT: 11.76 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BN002154.D
 Acq: 26 Jul 2018 01:58

Tgt Ion:107 Resp: 24054
 Ion Ratio Lower Upper
 107 100
 144 27.1 18.2 27.4
 142 68.8 59.0 88.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

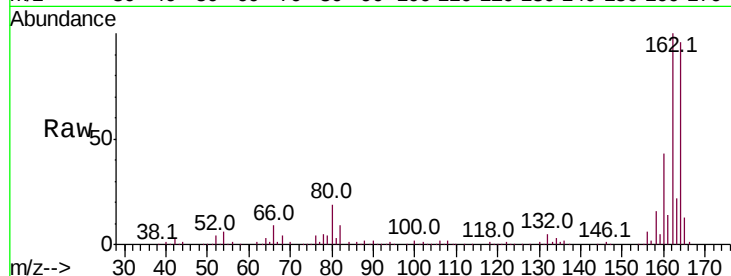
Tot Ion:164 Resp: 488667

Ion Ratio Lower Upper

164 100

162 103.9 78.8 118.2

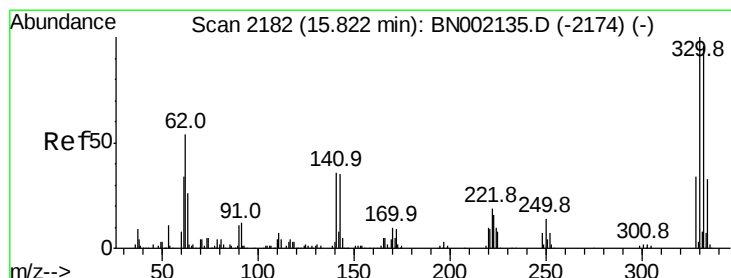
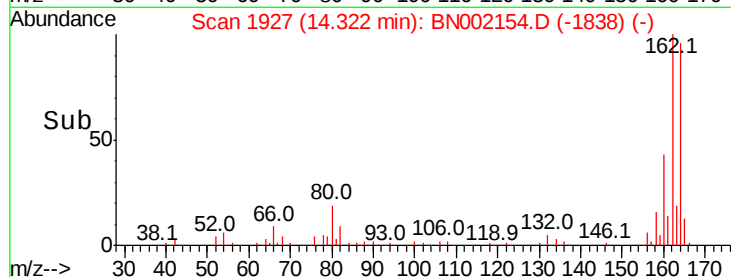
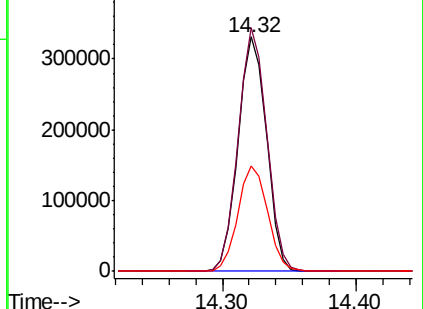
160 45.2 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 128.704 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

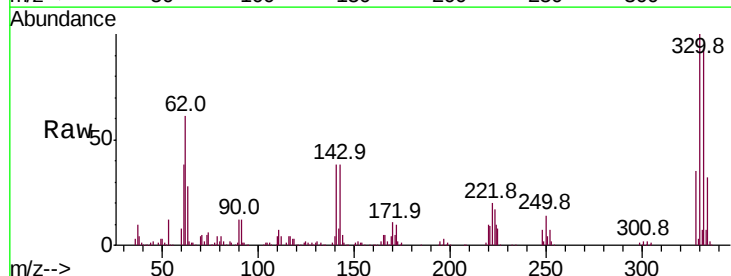
Tgt Ion:330 Resp: 816697

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

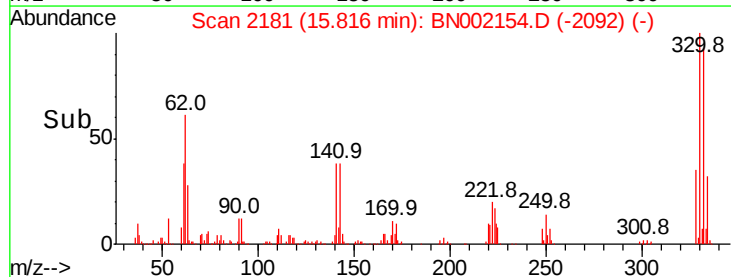
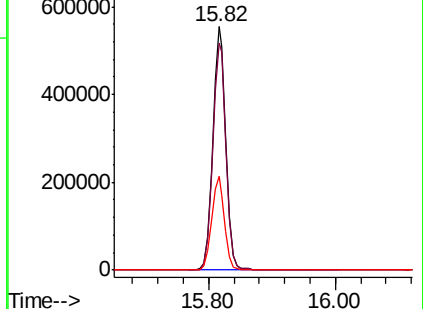
141 37.6 25.2 37.8

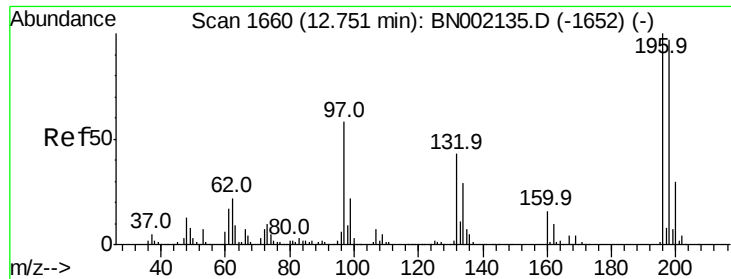


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

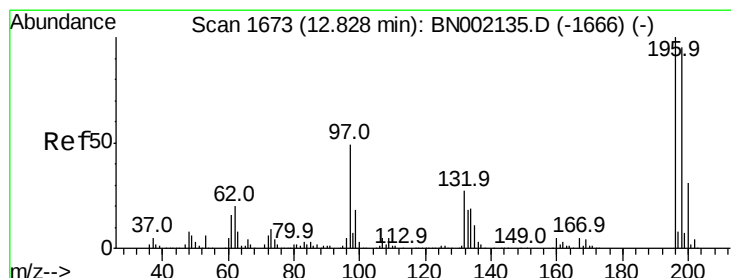
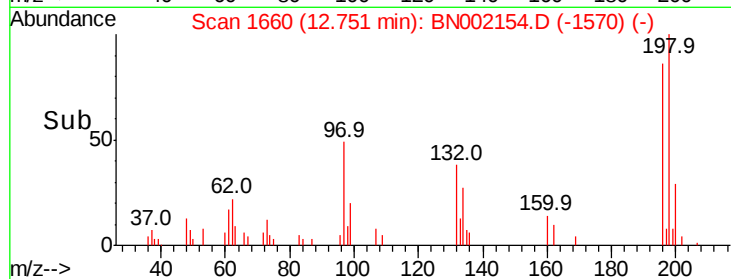
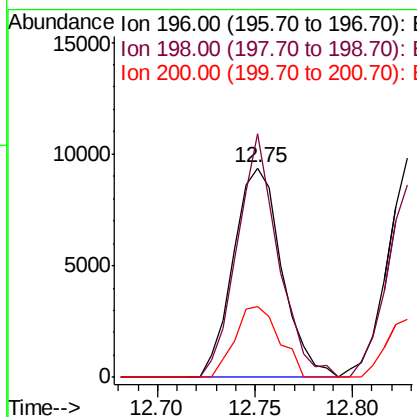
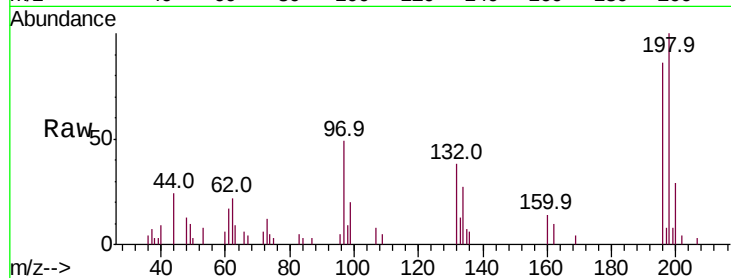




#42
 2,4,6-Trichlorophenol
 Concen: 1.464 ng
 RT: 12.75 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: BN002154.D
 Acq: 26 Jul 2018 01:58

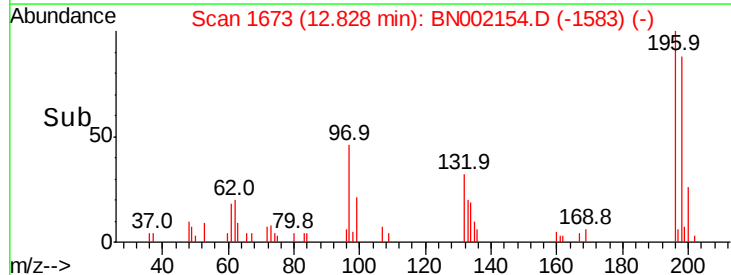
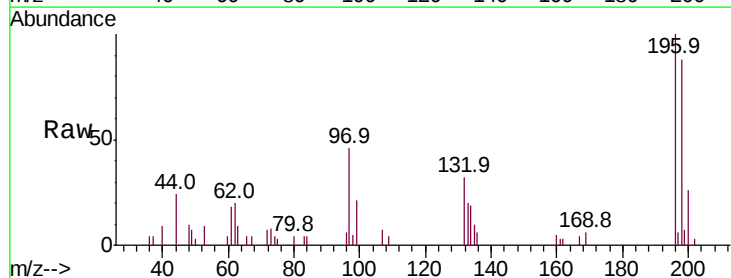
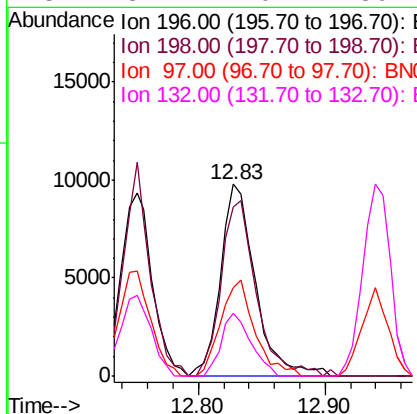
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

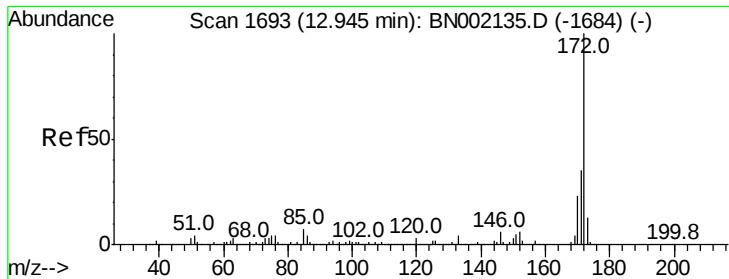
Tot Ion:196 Resp: 16139
 Ion Ratio Lower Upper
 196 100
 198 116.4 78.2 117.2
 200 33.9 24.6 36.8



#43
 2,4,5-Trichlorophenol
 Concen: 1.590 ng
 RT: 12.83 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: BN002154.D
 Acq: 26 Jul 2018 01:58

Tgt Ion:196 Resp: 18569
 Ion Ratio Lower Upper
 196 100
 198 88.0 76.2 114.4
 97 46.1 38.7 58.1
 132 32.4 20.2 30.2#

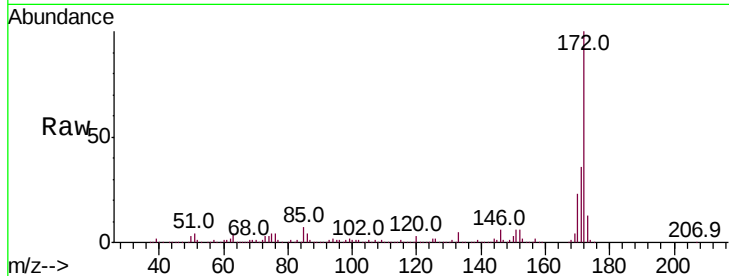




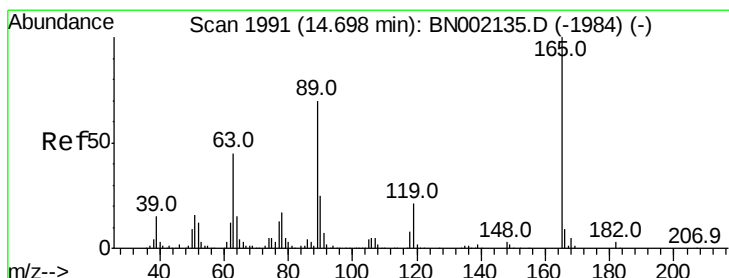
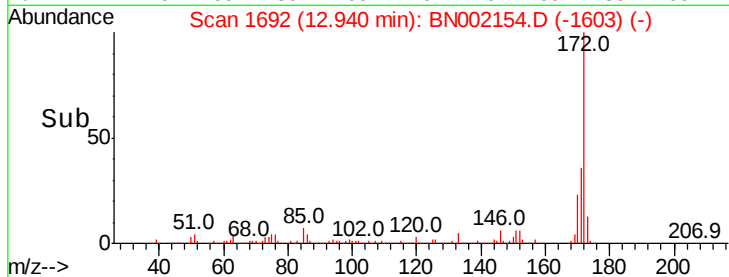
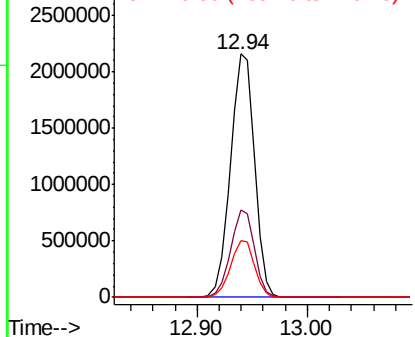
#44
2-Fluorobiphenyl
Concen: 88.199 ng
RT: 12.94 min Scan# 1692
Delta R.T. -0.01 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

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

Tot Ion:172 Resp: 3309014
Ion Ratio Lower Upper
172 100
171 35.8 30.0 45.0
170 23.3 19.5 29.3

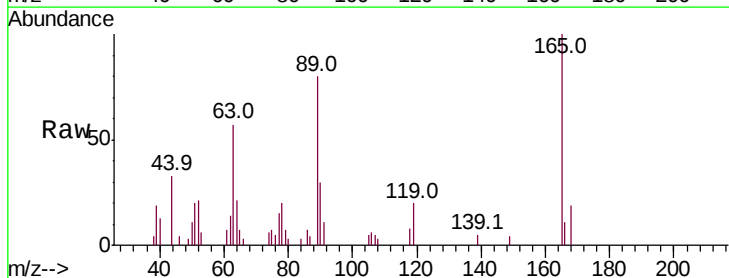


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

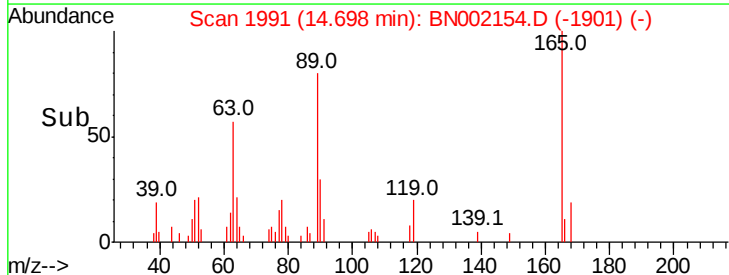
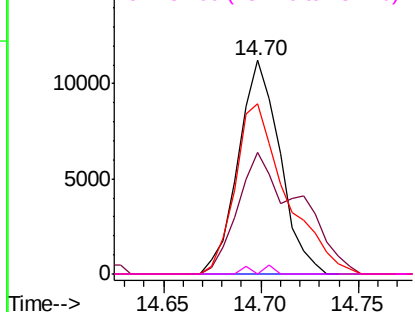


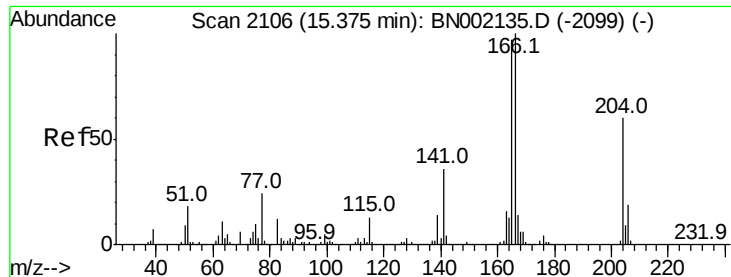
#56
2,4-Dinitrotoluene
Concen: 1.359 ng
RT: 14.70 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

Tgt Ion:165 Resp: 16639
Ion Ratio Lower Upper
165 100
63 56.8 42.0 63.0
89 79.8 66.9 100.3
182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BNC
Ion 89.00 (88.70 to 89.70): BNC
Ion 182.00 (181.70 to 182.70): E

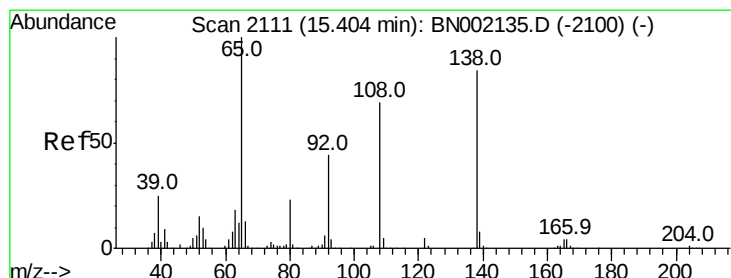
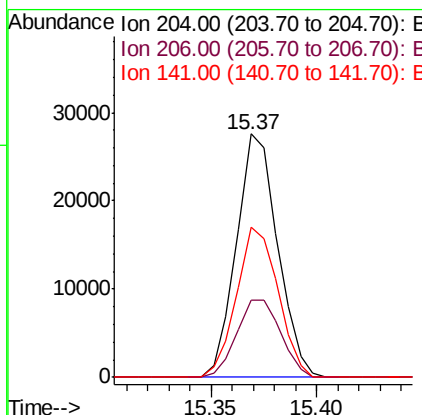
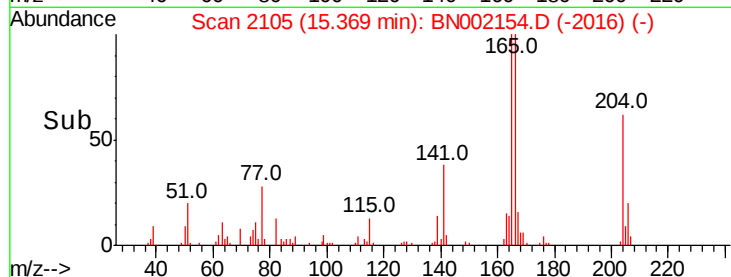
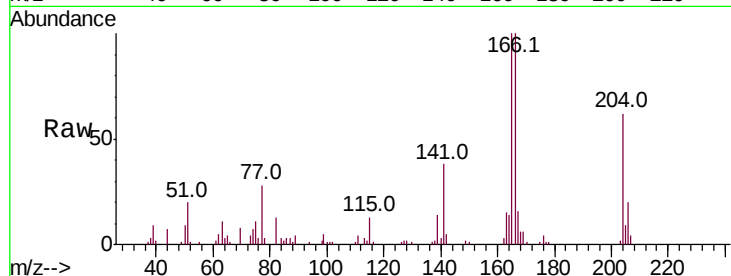




#60
4-Chlorophenyl-phenylether
Concen: 1.819 ng
RT: 15.37 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

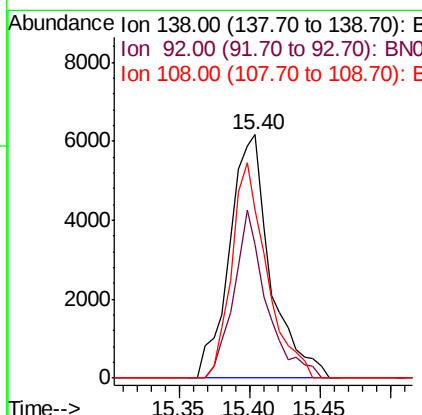
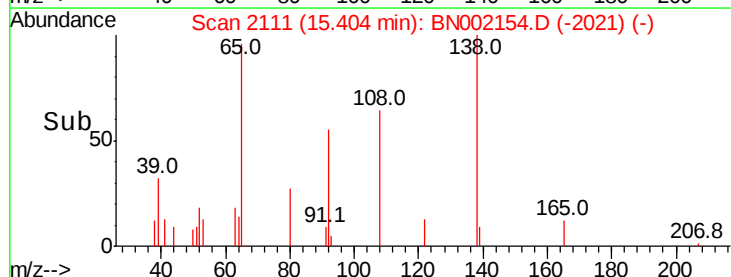
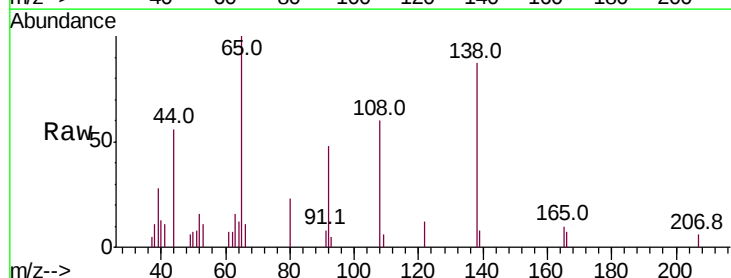
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

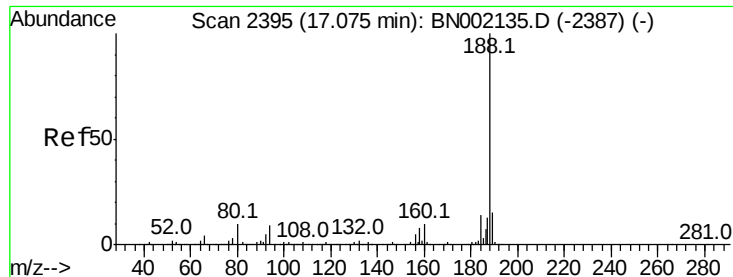
Tot Ion:204 Resp: 37323
Ion Ratio Lower Upper
204 100
206 31.8 26.2 39.2
141 61.9 45.8 68.6



#61
4-Nitroaniline
Concen: 1.248 ng
RT: 15.40 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

Tgt Ion:138 Resp: 12428
Ion Ratio Lower Upper
138 100
92 54.7 40.1 80.1
108 69.0 65.4 105.4

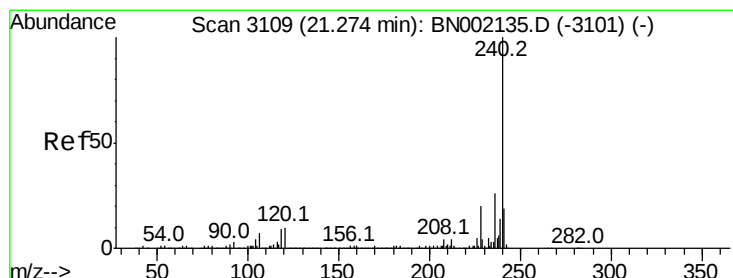
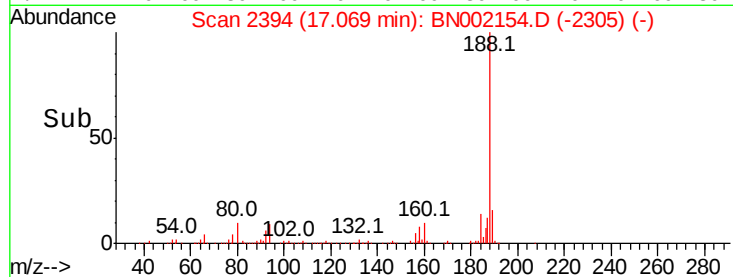
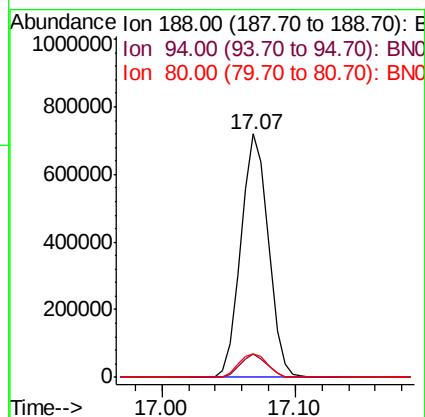
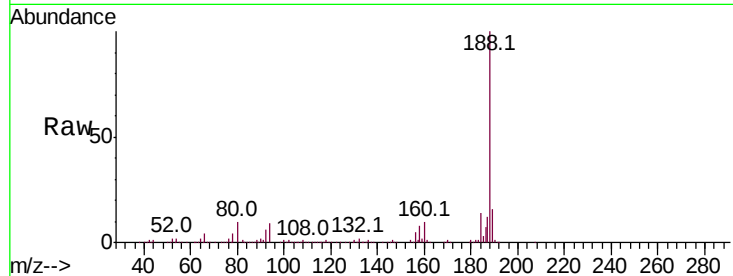




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

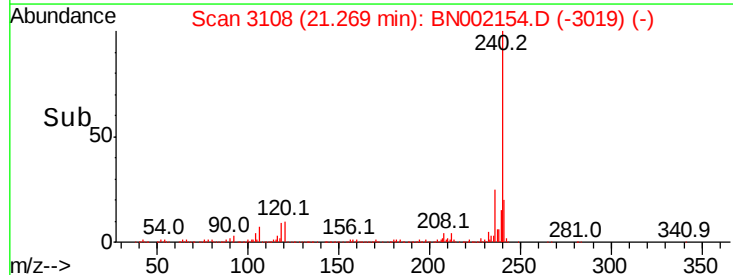
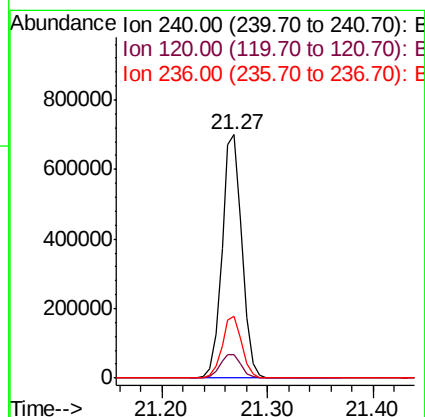
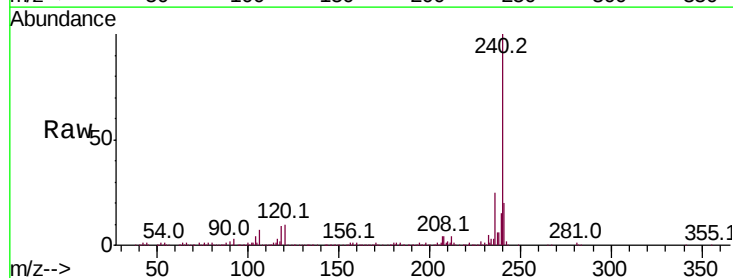
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

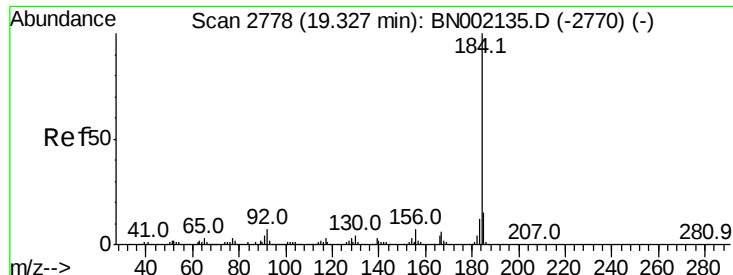
Tot Ion:188 Resp: 1023140
Ion Ratio Lower Upper
188 100
94 9.5 6.9 10.3
80 9.8 7.7 11.5



#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BN002154.D
Acq: 26 Jul 2018 01:58

Tgt Ion:240 Resp: 914777
Ion Ratio Lower Upper
240 100
120 9.9 6.8 10.2
236 25.2 20.9 31.3





#76

Benzidine

Concen: 0.732 ng

RT: 19.33 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

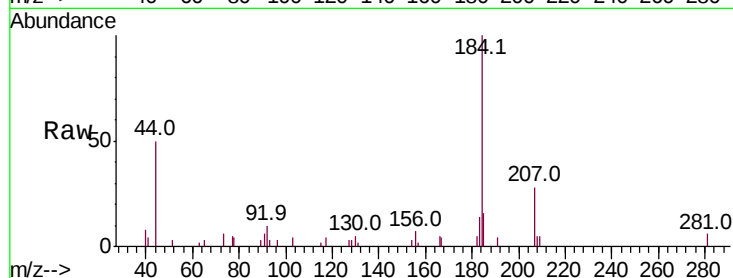
Tot Ion:184 Resp: 21835

Ion Ratio Lower Upper

184 100

185 16.0 11.1 16.7

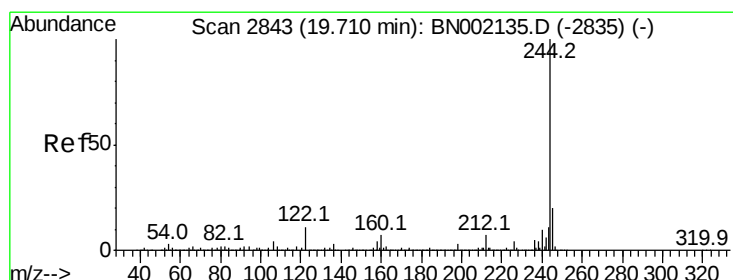
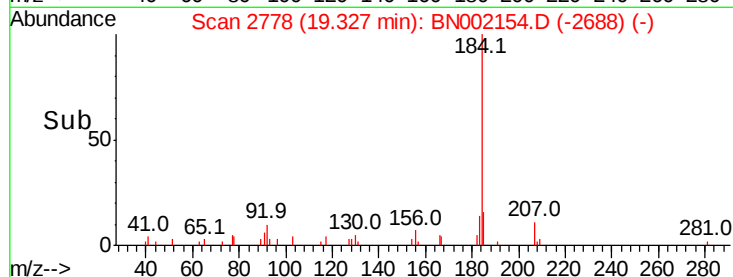
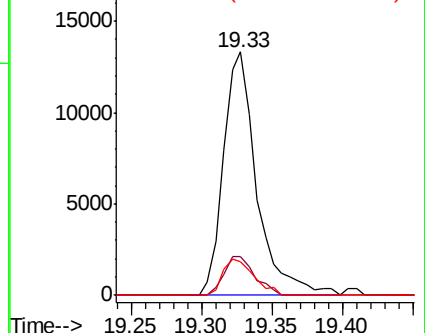
183 13.7 10.6 16.0



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: 107.251 ng

RT: 19.71 min Scan# 2843

Delta R.T. 0.00 min

Lab File: BN002154.D

Acq: 26 Jul 2018 01:58

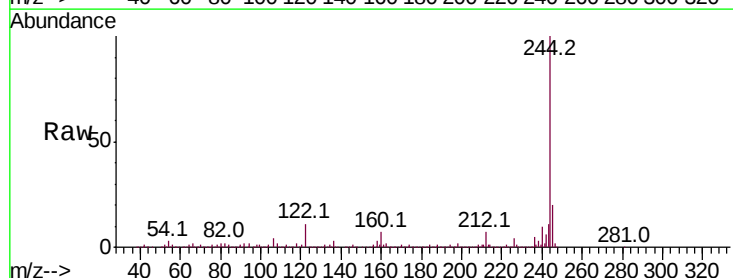
Tgt Ion:244 Resp: 4704112

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

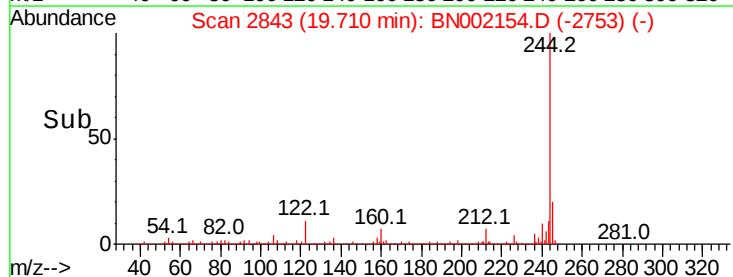
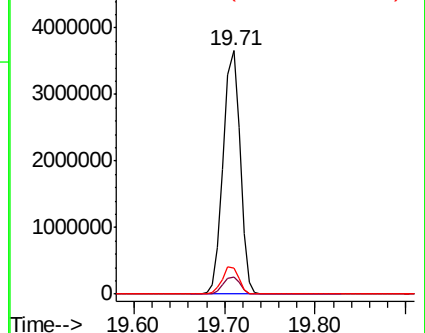
122 10.7 7.0 10.4#

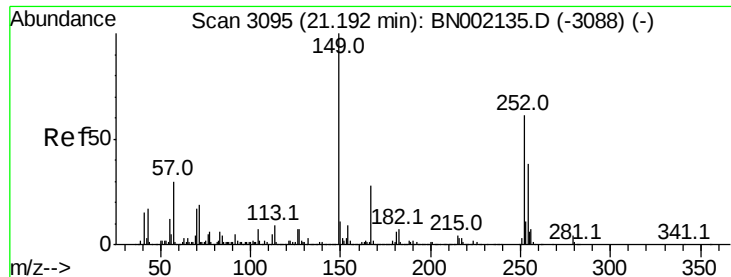


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

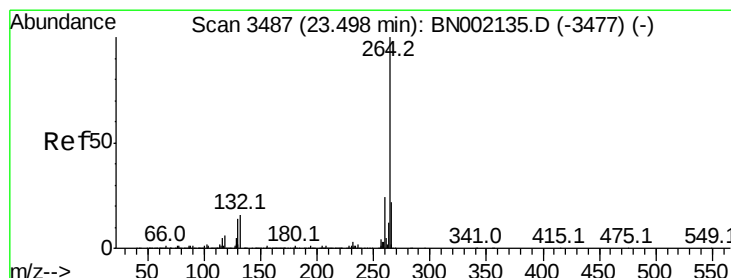
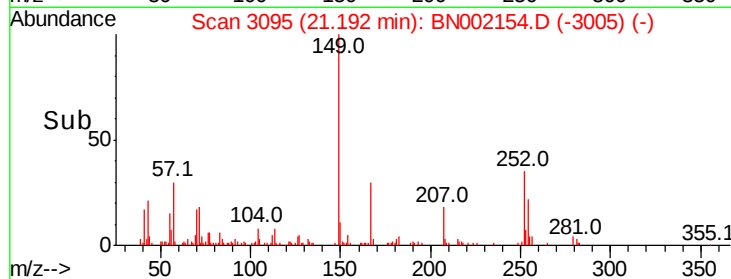
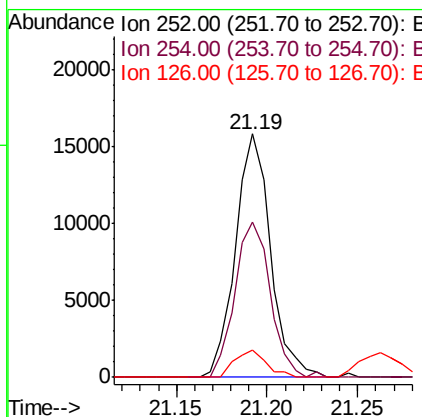
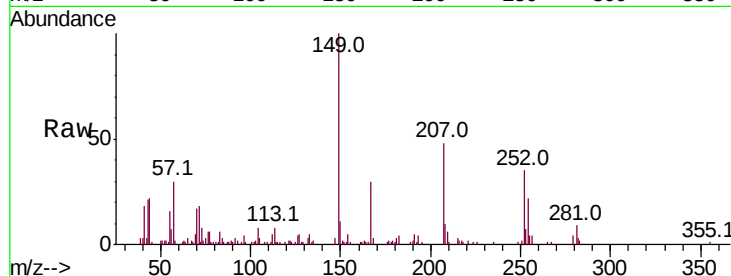




#81
 3,3'-Dichlorobenzidine
 Concen: 0.985 ng
 RT: 21.19 min Scan# 3095
 Delta R.T. 0.00 min
 Lab File: BN002154.D
 Acq: 26 Jul 2018 01:58

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.8	76.2
126	11.3	7.4	11.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.49 min Scan# 3486
 Delta R.T. -0.01 min
 Lab File: BN002154.D
 Acq: 26 Jul 2018 01:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.2	17.7	26.5

