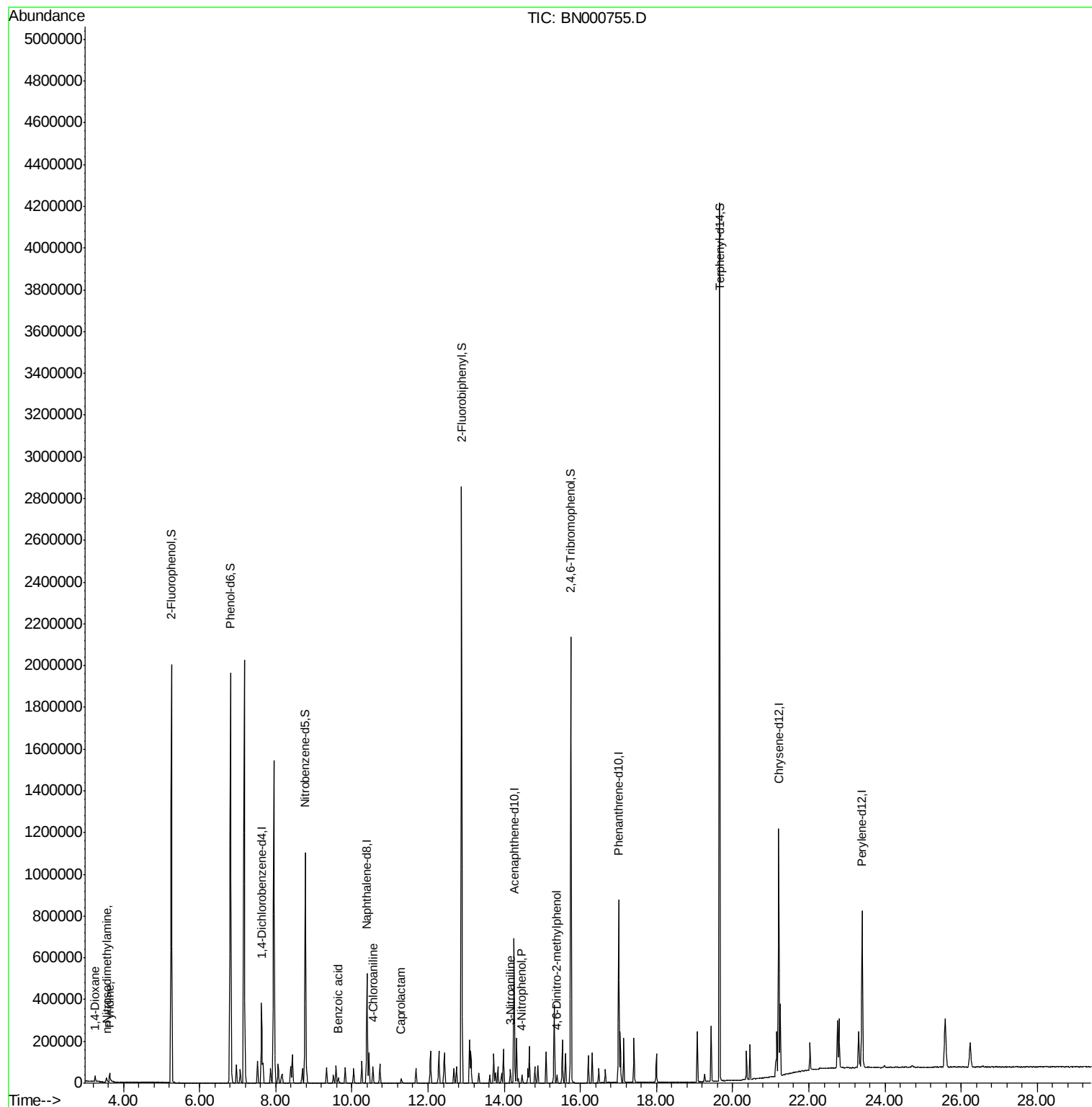
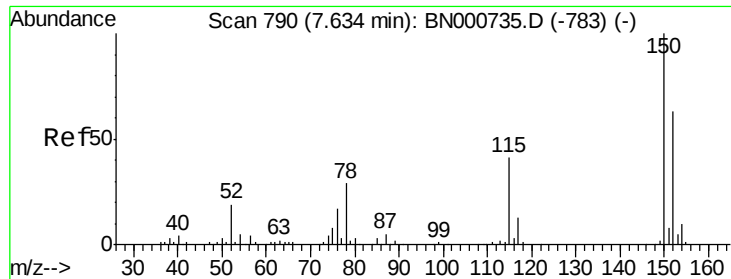


Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
Data File : BN000755.D
Acq On : 19 Apr 2018 00:16
Operator : JU/SJ
Sample : J2133-07
Misc : 5PPM LOD
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Apr 19 07:13:52 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 18 16:58:01 2018
Response via : Initial Calibration



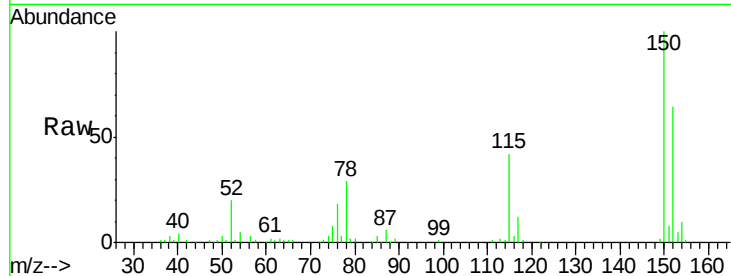


#1

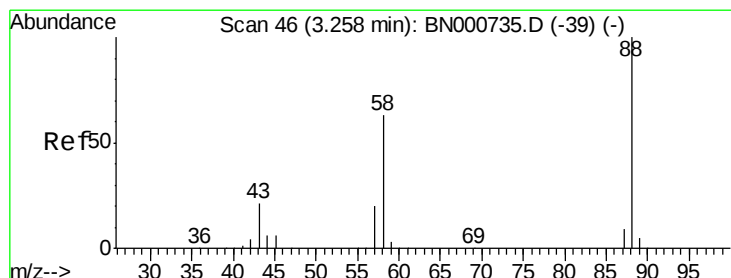
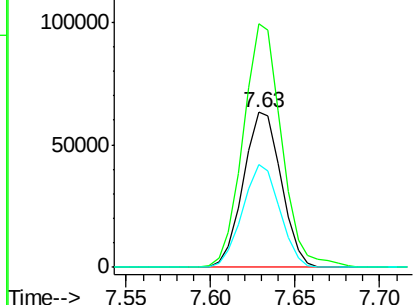
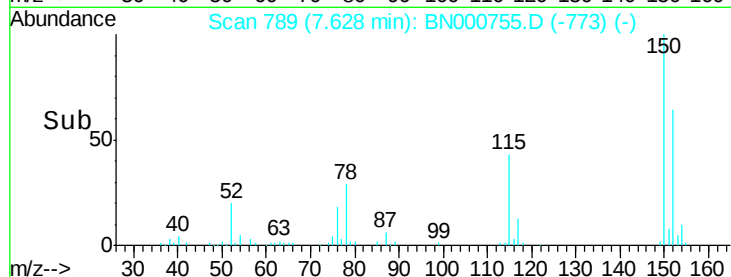
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.63 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BN000755.D
 Acq: 19 Apr 2018 00:16

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

Tot Ion:152 Resp: 98924
 Ion Ratio Lower Upper
 152 100
 150 156.9 126.6 189.8
 115 66.6 53.0 79.4



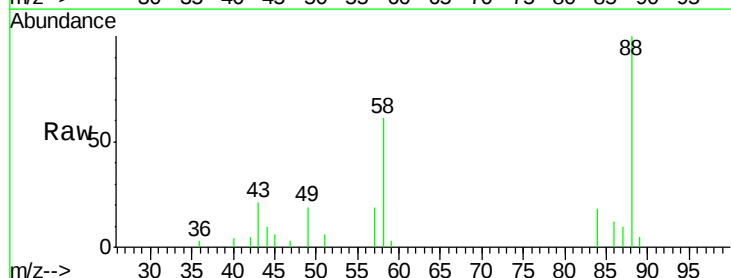
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



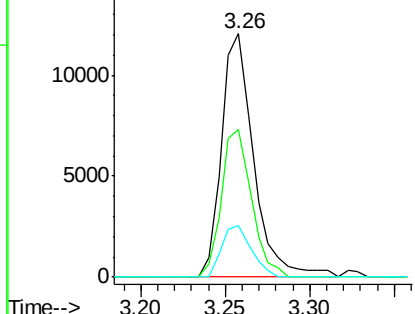
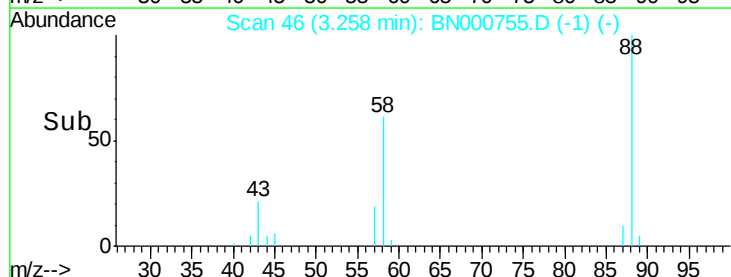
#2

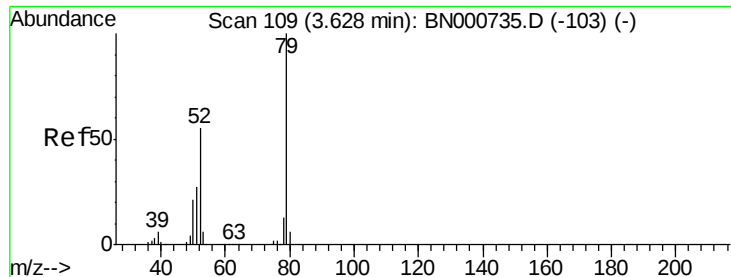
1,4-Dioxane
 Concen: 5.231 ng
 RT: 3.26 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: BN000755.D
 Acq: 19 Apr 2018 00:16

Tgt Ion: 88 Resp: 15978
 Ion Ratio Lower Upper
 88 100
 58 56.9 52.0 78.0
 43 19.4 20.0 30.0#



Abundance Ion 88.00 (87.70 to 88.70): BNC
 Ion 58.00 (57.70 to 58.70): BNC
 Ion 43.00 (42.70 to 43.70): BNC





#3

Pvridine

Concen: 4.651 ng

RT: 3.63 min Scan# 110

Delta R.T. 0.01 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

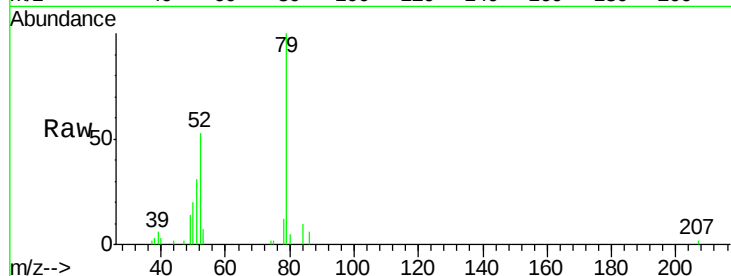
Tot Ion: 79 Resp: 37418

Ion Ratio Lower Upper

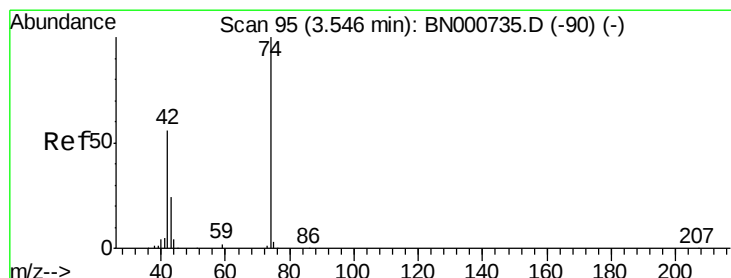
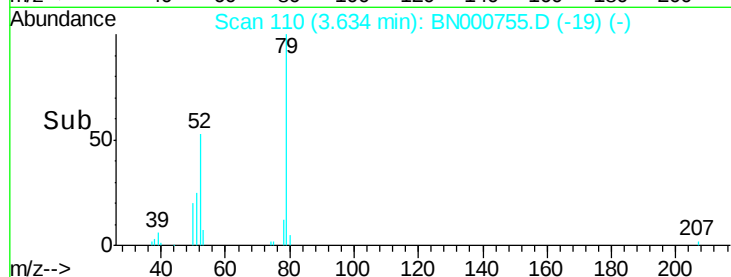
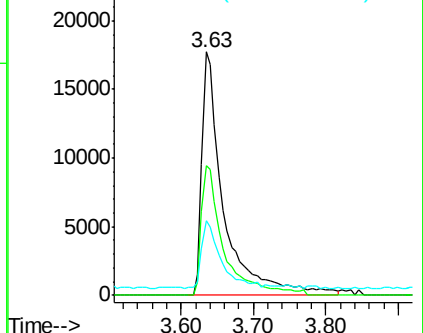
79 100

52 53.3 44.0 66.0

51 30.6 24.0 36.0



Abundance Ion 79.00 (78.70 to 79.70): BNC
Ion 52.00 (51.70 to 52.70): BNC
Ion 51.00 (50.70 to 51.70): BNC



#4

n-Nitrosodimethylamine

Concen: 4.381 ng

RT: 3.55 min Scan# 96

Delta R.T. 0.01 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

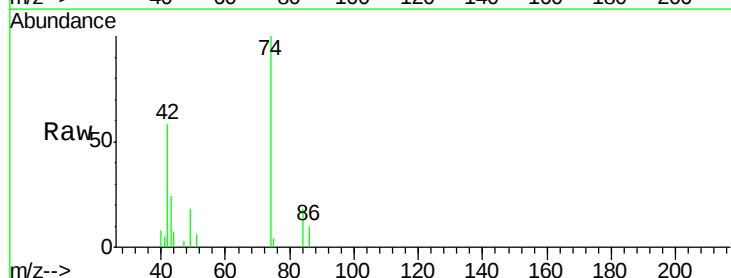
Tgt Ion: 42 Resp: 9694

Ion Ratio Lower Upper

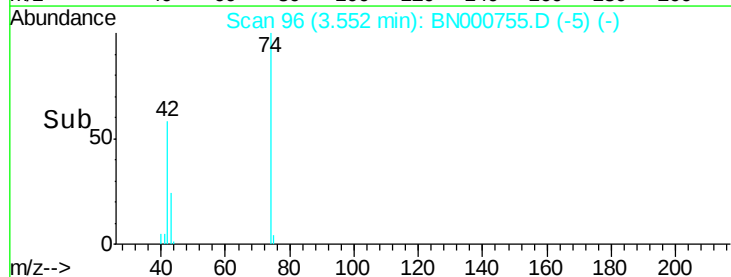
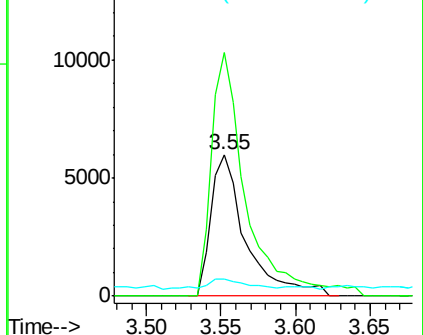
42 100

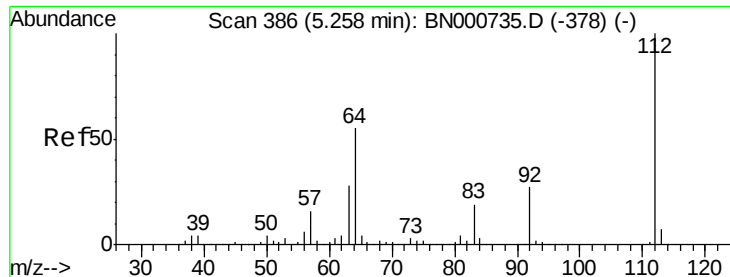
74 172.4 128.0 192.0

44 11.9 12.0 18.0#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC





#5

2-Fluorophenol

Concen: 137.705 ng

RT: 5.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

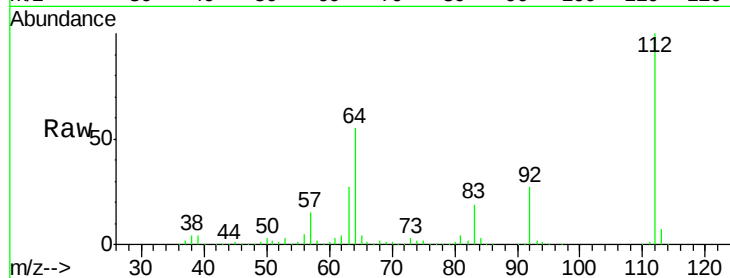
Tot Ion:112 Resp: 917031

Ion Ratio Lower Upper

112 100

64 55.1 56.3 84.5#

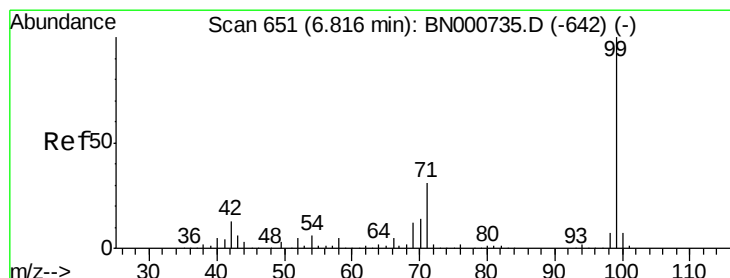
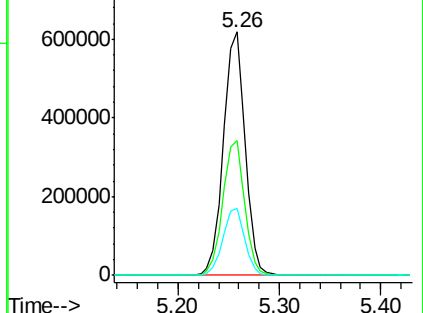
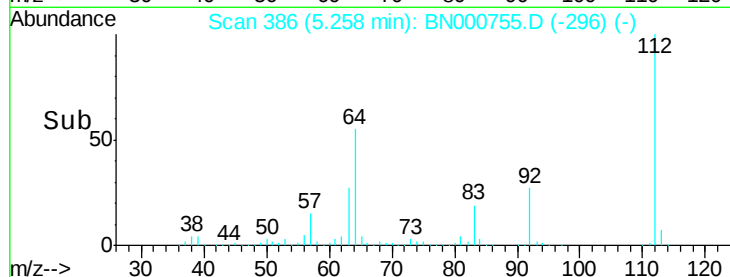
63 27.3 30.1 45.1#



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: 132.130 ng

RT: 6.81 min Scan# 650

Delta R.T. -0.01 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

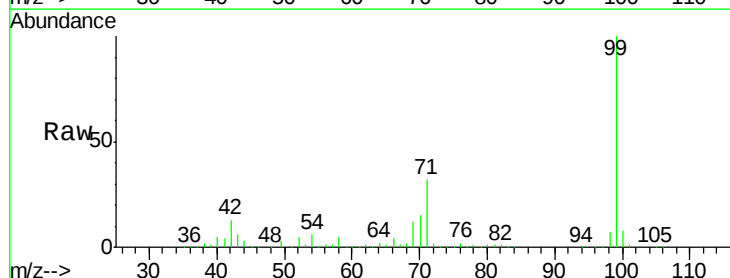
Tgt Ion: 99 Resp: 1199070

Ion Ratio Lower Upper

99 100

42 13.0 14.1 21.1#

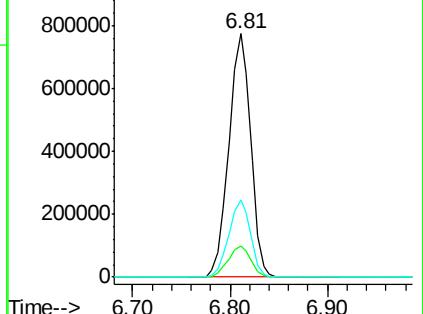
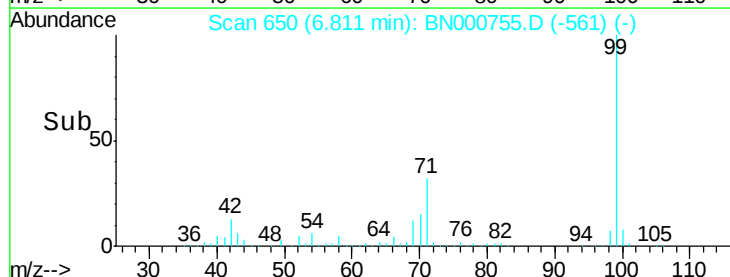
71 31.9 26.1 39.1

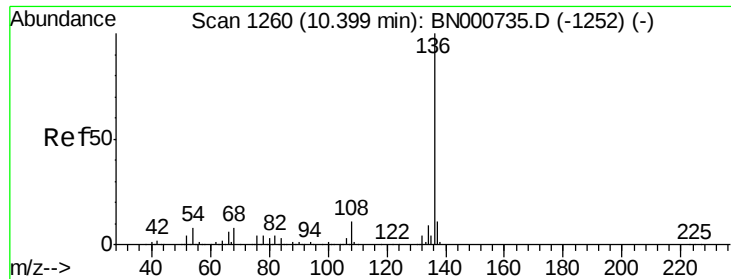


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC

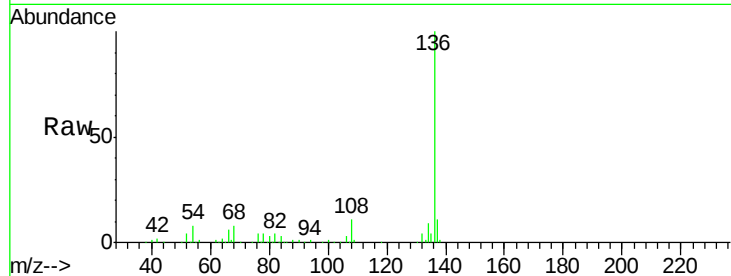




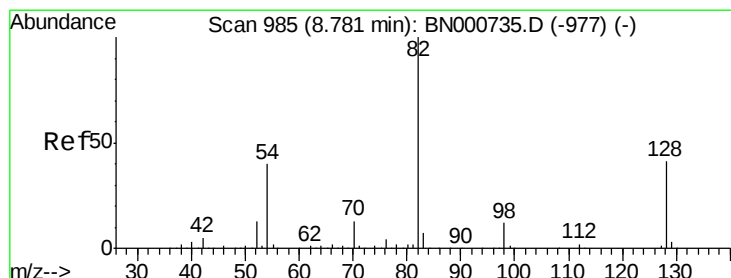
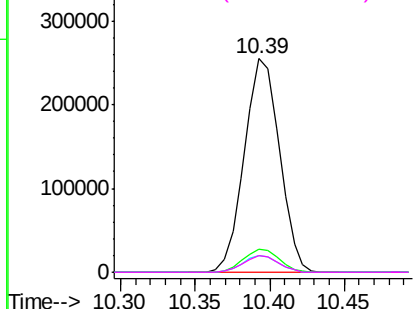
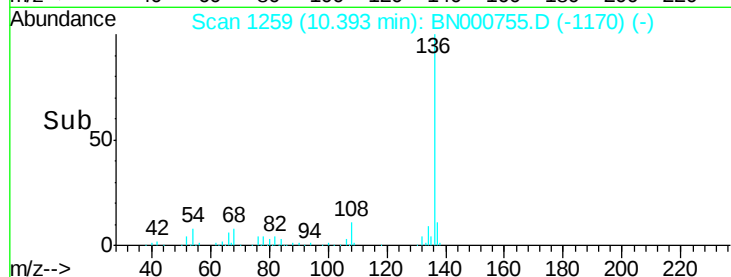
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.39 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BN000755.D
Acq: 19 Apr 2018 00:16

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

Tot Ion:136	Resp:	416649
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	8.0	10.3 15.5#
68	7.7	4.5 6.7#

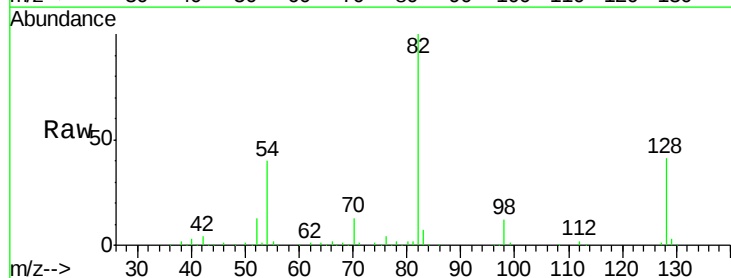


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNC
Ion 68.00 (67.70 to 68.70): BNC

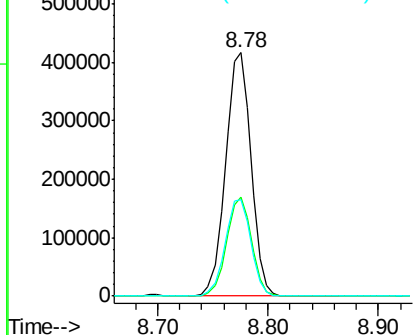
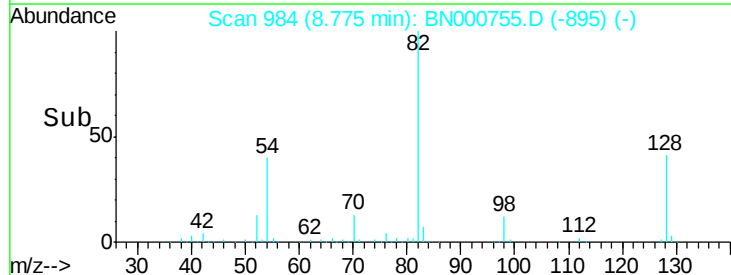


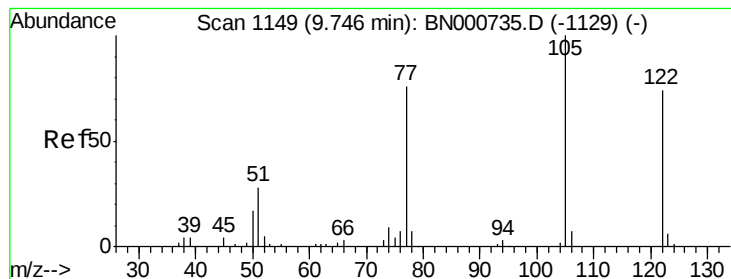
#23
Nitrobenzene-d5
Concen: 83.976 ng
RT: 8.78 min Scan# 984
Delta R.T. -0.01 min
Lab File: BN000755.D
Acq: 19 Apr 2018 00:16

Tgt Ion: 82	Resp:	671174
Ion Ratio	Lower	Upper
82	100	
128	40.8	29.7 44.5
54	39.8	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: 6.336 ng

RT: 9.64 min Scan# 1131

Delta R.T. -0.11 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

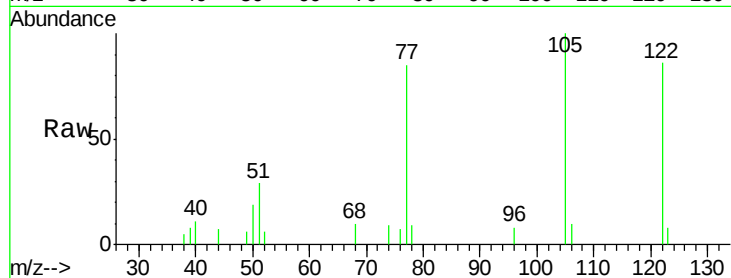
Tot Ion:122 Resp: 10320

Ion Ratio Lower Upper

122 100

105 116.8 123.5 163.5#

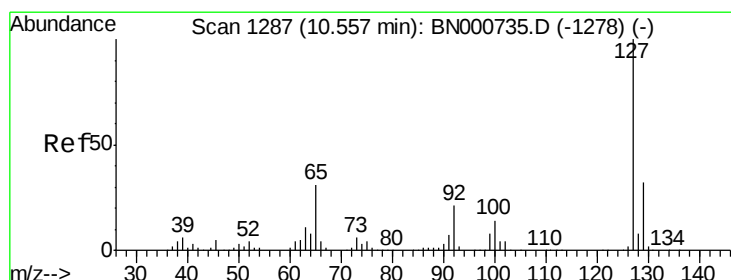
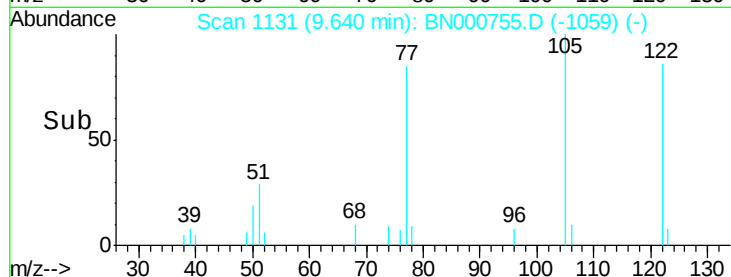
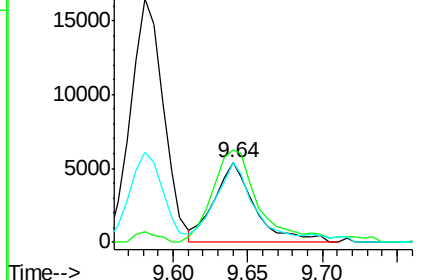
77 99.6 85.7 125.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BNC



#33

4-Chloroaniline

Concen: 4.436 ng

RT: 10.55 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

Tgt Ion:127 Resp: 40577

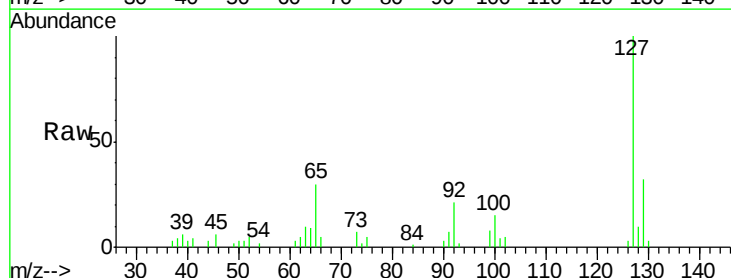
Ion Ratio Lower Upper

127 100

129 31.8 24.0 36.0

65 30.2 27.0 40.4

92 21.4 16.6 25.0

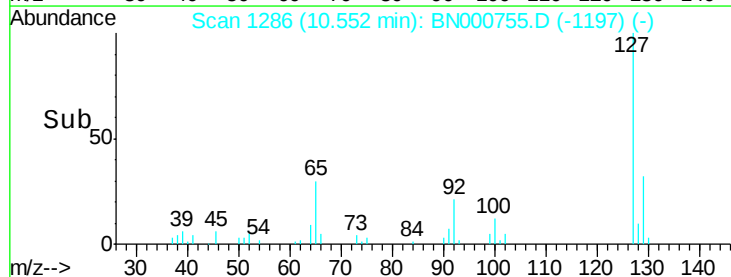
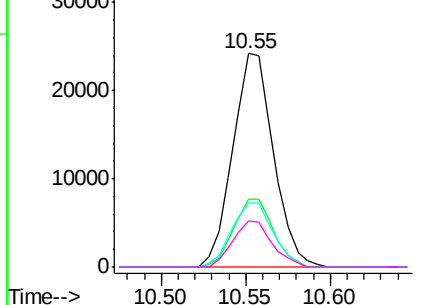


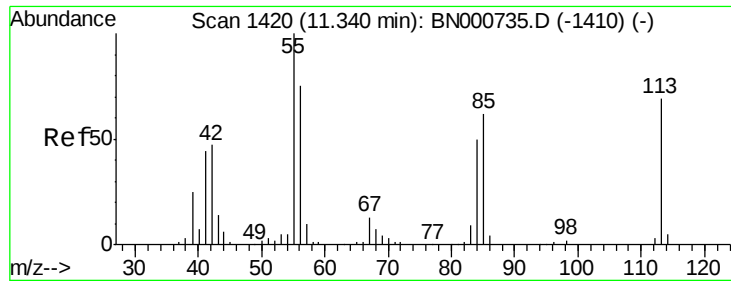
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BNC

Ion 92.00 (91.70 to 92.70): BNC





#35

Caprolactam

Concen: 2.668 ng

RT: 11.30 min Scan# 1413

Delta R.T. -0.04 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

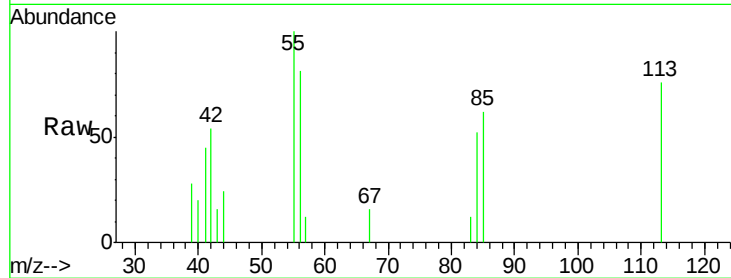
Tot Ion:113 Resp: 5209

Ion Ratio Lower Upper

113 100

55 132.3 120.0 160.0

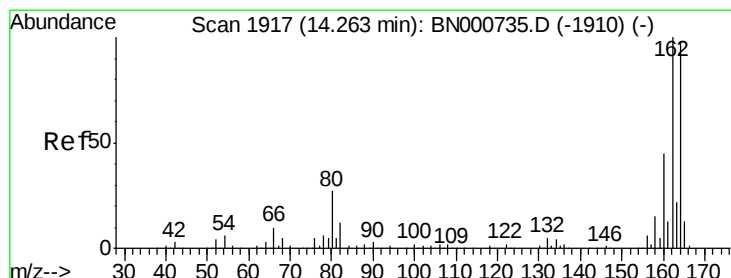
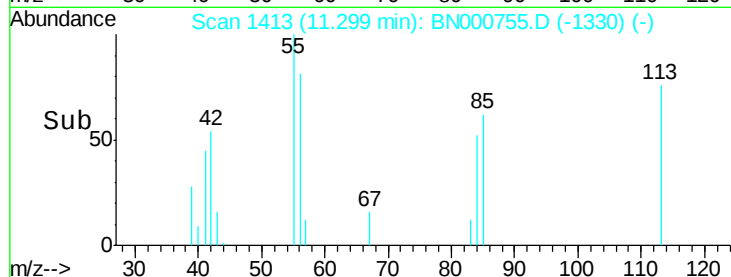
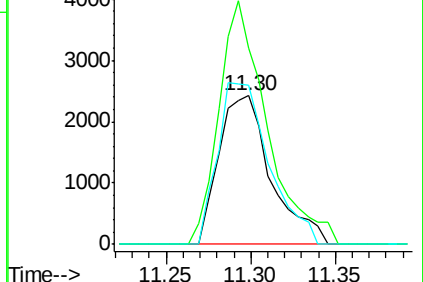
56 107.0 90.0 130.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BNO

Ion 56.00 (55.70 to 56.70): BNO



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.26 min Scan# 1916

Delta R.T. -0.01 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

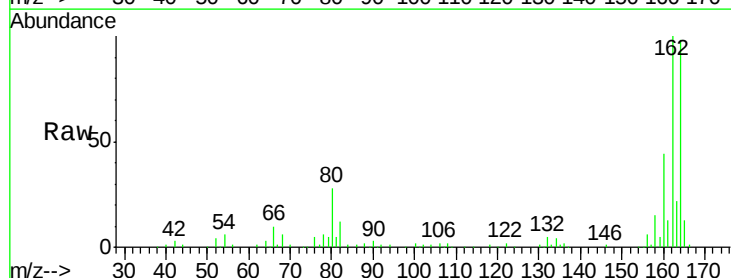
Tgt Ion:164 Resp: 221203

Ion Ratio Lower Upper

164 100

162 102.6 78.8 118.2

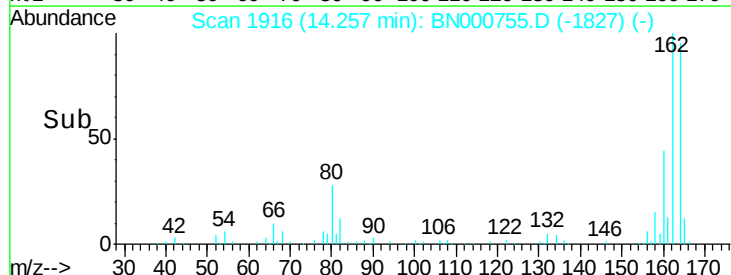
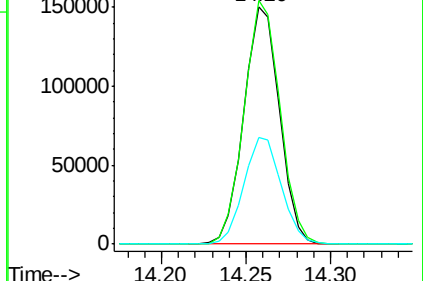
160 44.9 35.4 53.0

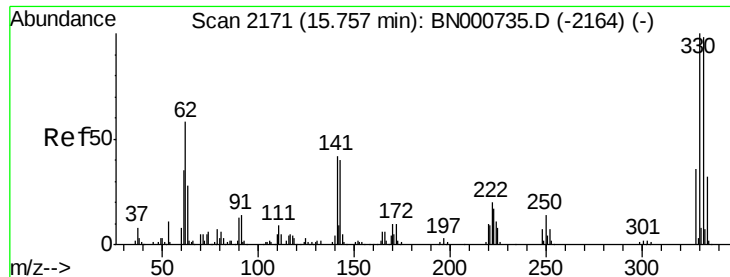


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

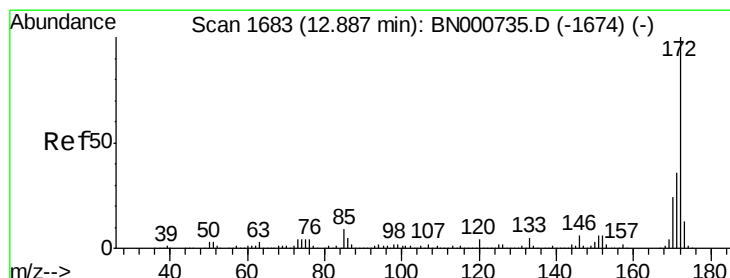
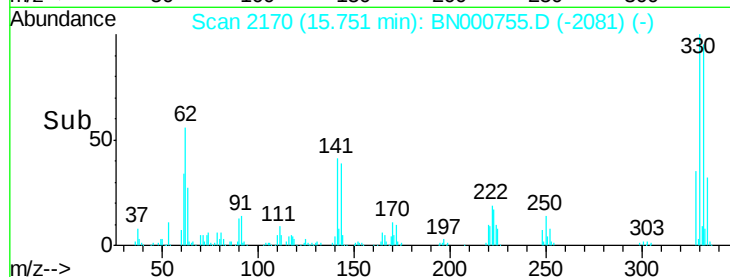
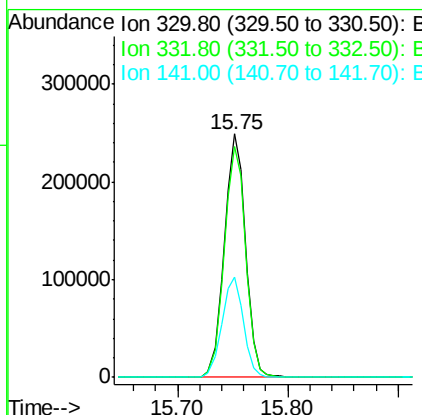
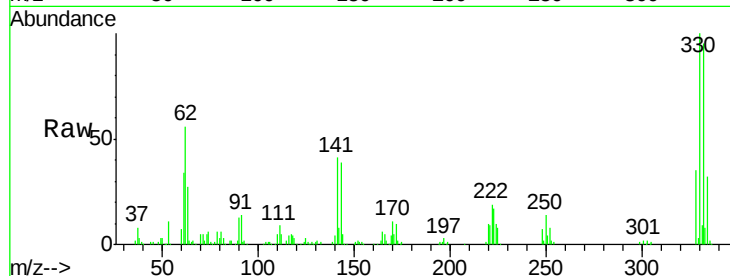




#41
 2,4,6-Tribromophenol
 Concen: 150.783 ng
 RT: 15.75 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BN000755.D
 Acq: 19 Apr 2018 00:16

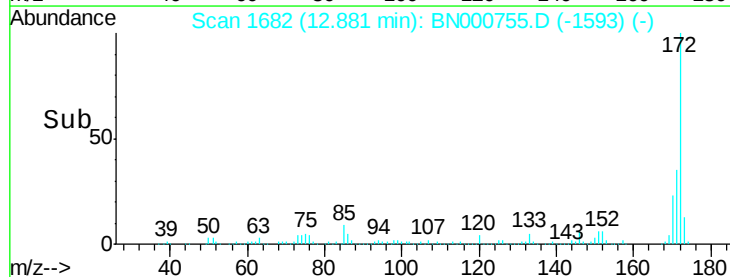
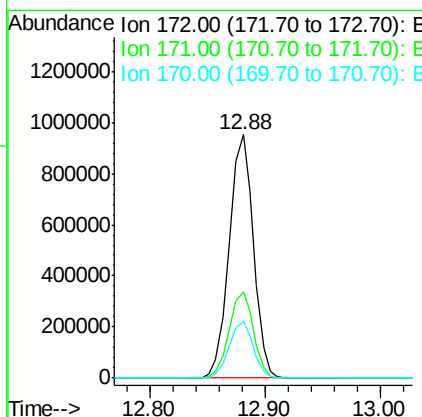
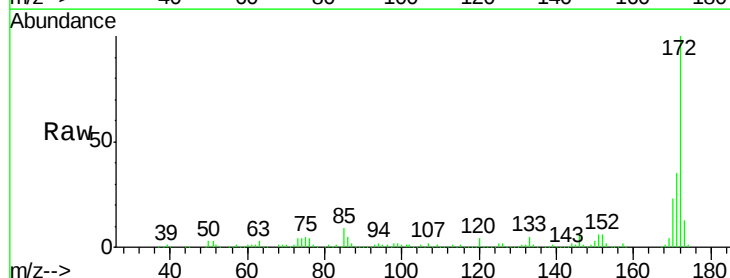
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

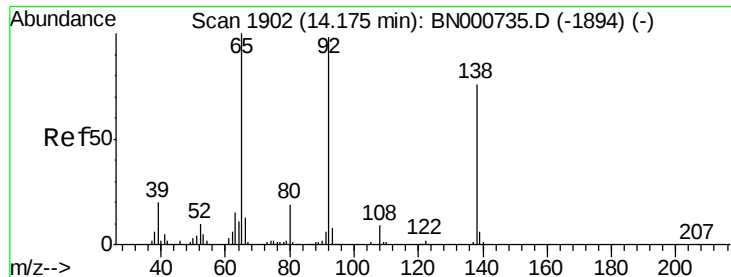
Tot Ion:330 Resp: 335775
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 41.3 25.2 37.8#



#44
 2-Fluorobiphenyl
 Concen: 86.073 ng
 RT: 12.88 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: BN000755.D
 Acq: 19 Apr 2018 00:16

Tgt Ion:172 Resp: 1379221
 Ion Ratio Lower Upper
 172 100
 171 35.3 30.0 45.0
 170 23.4 19.5 29.3

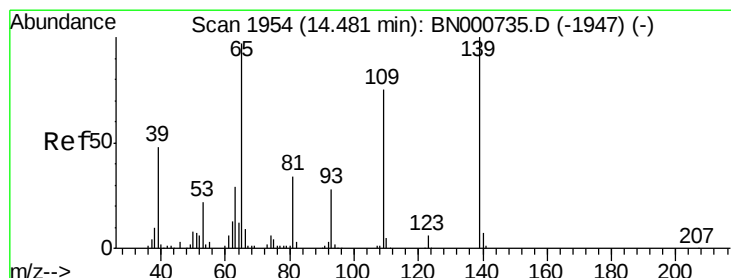
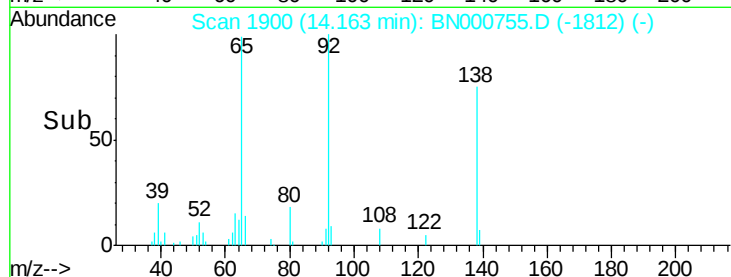
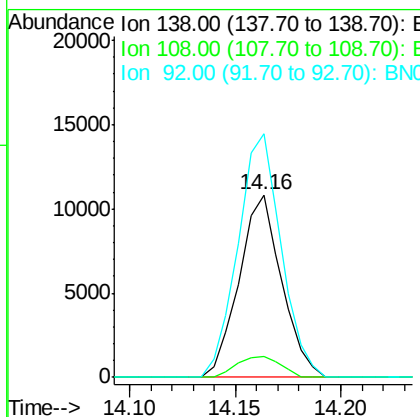
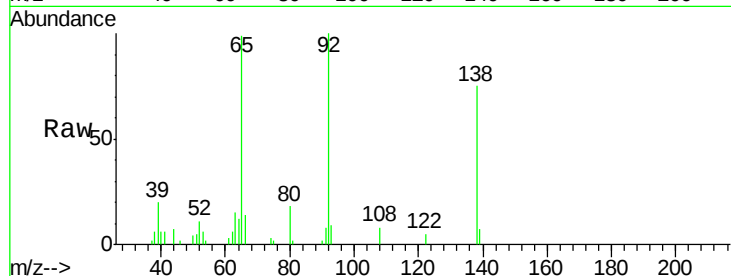




#52
3-Nitroaniline
Concen: 3.547 ng
RT: 14.16 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BN000755.D
Acq: 19 Apr 2018 00:16

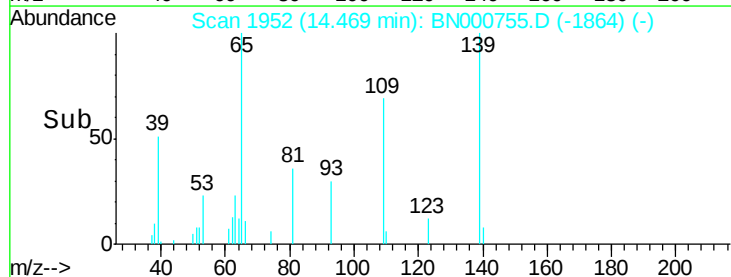
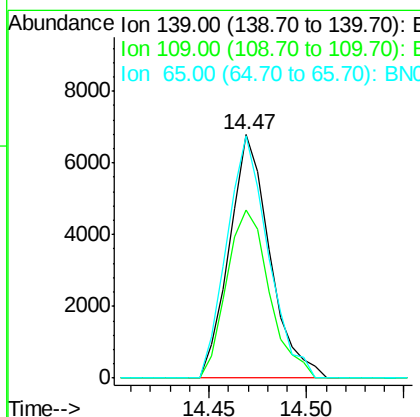
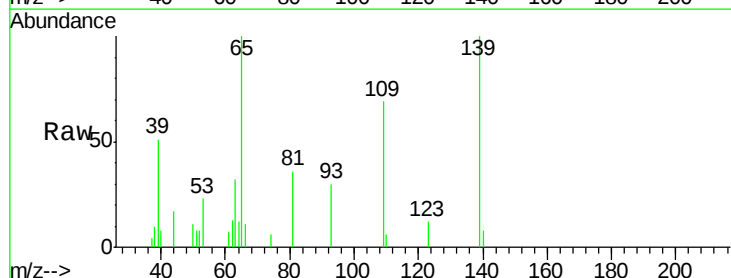
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

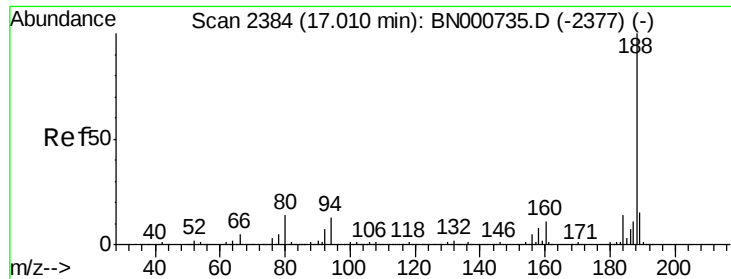
Tot Ion:138 Resp: 15115
Ion Ratio Lower Upper
138 100
108 11.3 17.5 26.3#
92 133.2 105.8 158.8



#55
4-Nitrophenol
Concen: 3.087 ng
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN000755.D
Acq: 19 Apr 2018 00:16

Tgt Ion:139 Resp: 9769
Ion Ratio Lower Upper
139 100
109 69.2 62.2 102.2
65 99.8 97.2 137.2

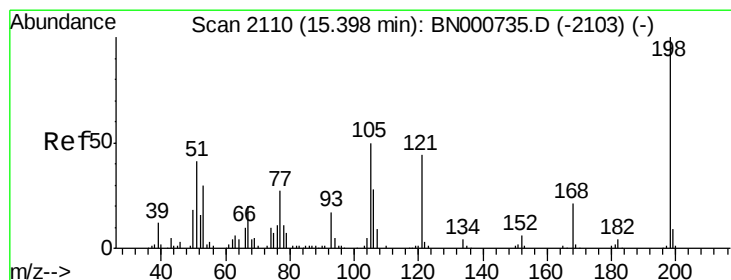
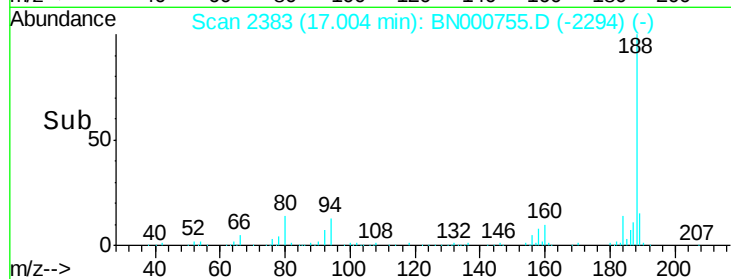
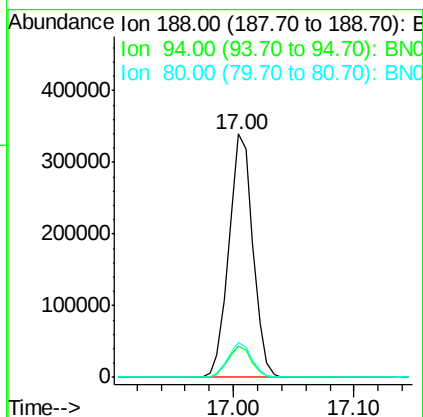
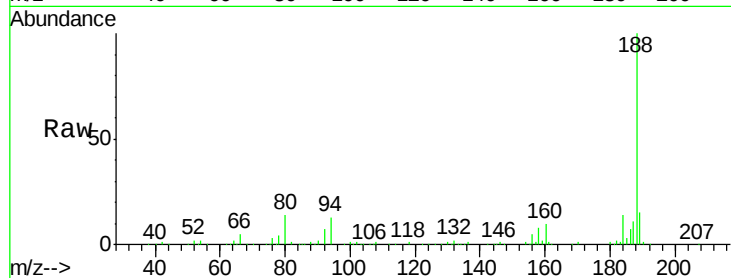




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.00 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BN000755.D
Acq: 19 Apr 2018 00:16

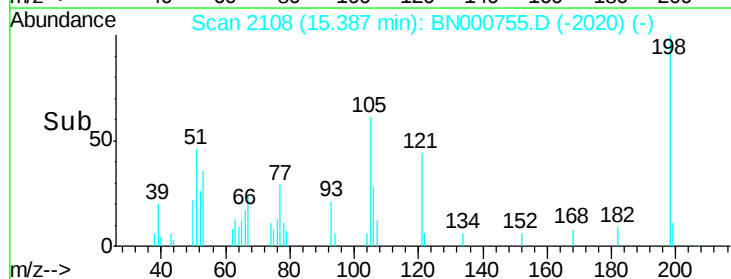
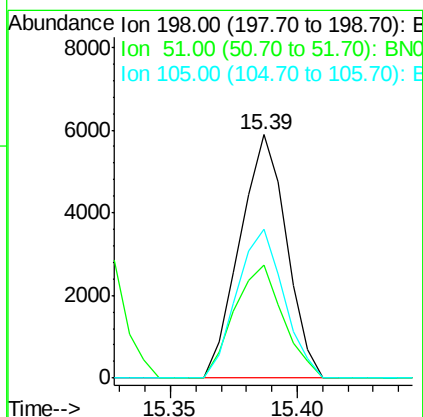
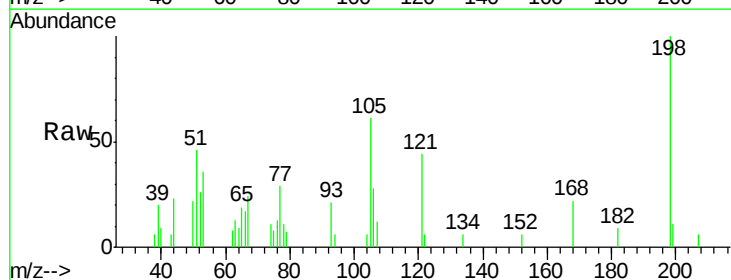
Instrument :
BNA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

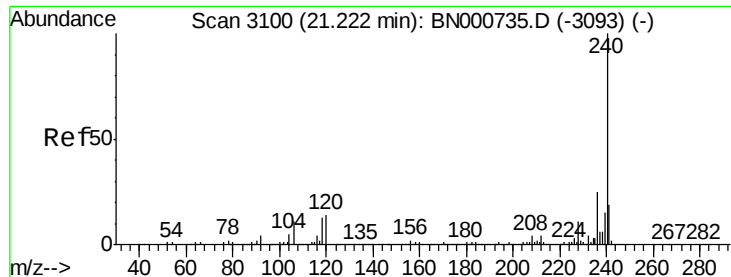
Tot Ion:188 Resp: 469355
Ion Ratio Lower Upper
188 100
94 13.0 6.9 10.3#
80 14.4 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.611 ng
RT: 15.39 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BN000755.D
Acq: 19 Apr 2018 00:16

Tgt Ion:198 Resp: 7569
Ion Ratio Lower Upper
198 100
51 46.3 30.6 70.6
105 61.3 23.8 63.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.21 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

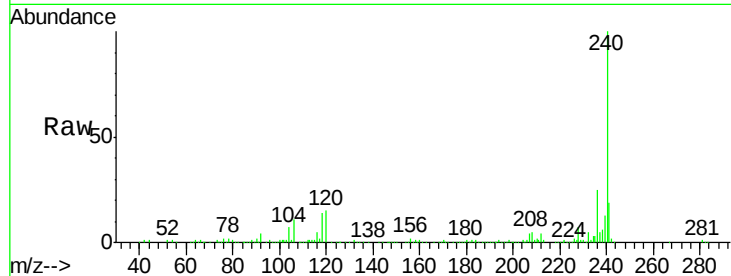
Tot Ion:240 Resp: 477357

Ion Ratio Lower Upper

240 100

120 15.1 6.8 10.2#

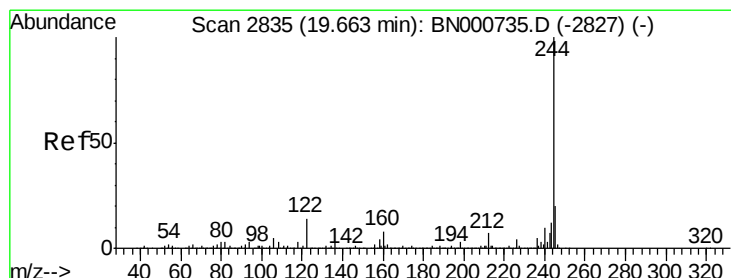
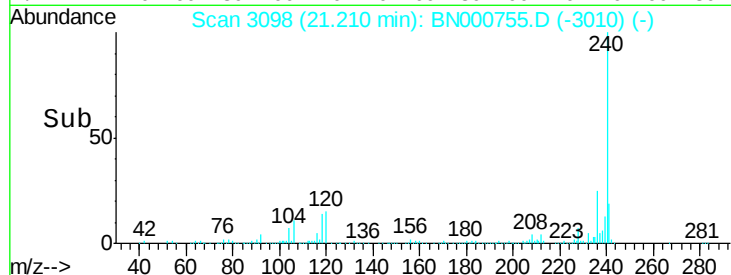
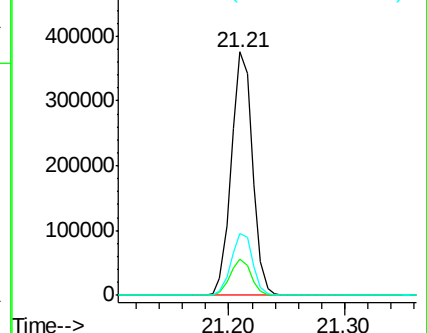
236 25.2 20.9 31.3



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: 81.781 ng

RT: 19.66 min Scan# 2834

Delta R.T. -0.01 min

Lab File: BN000755.D

Acq: 19 Apr 2018 00:16

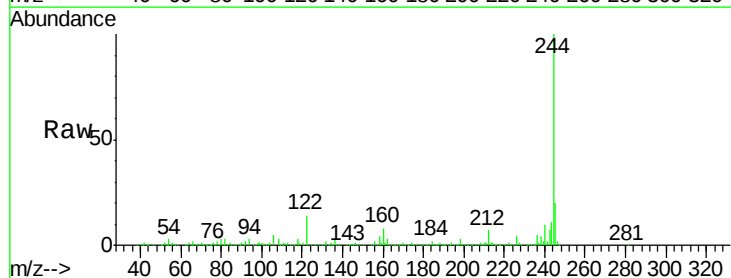
Tgt Ion:244 Resp: 1810586

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

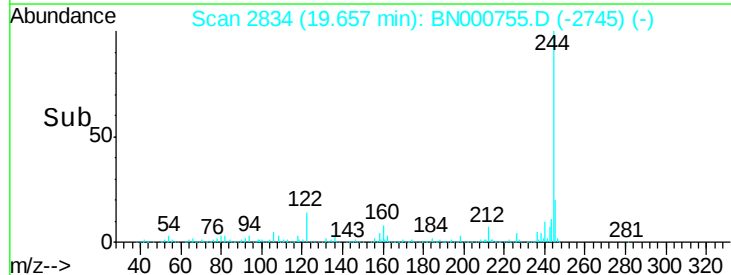
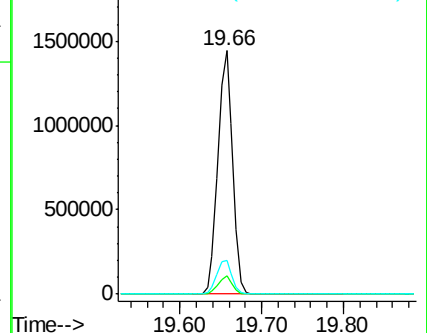
122 13.9 7.0 10.4#

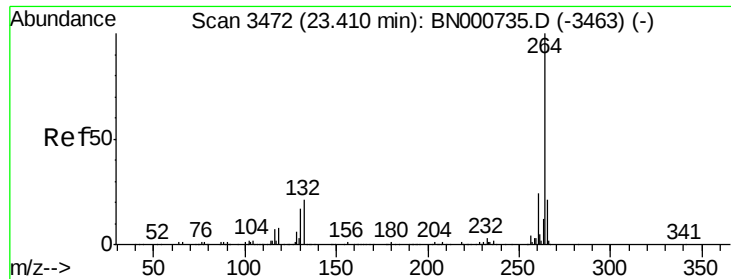


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

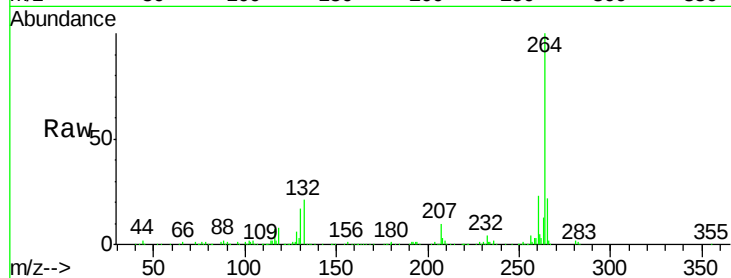




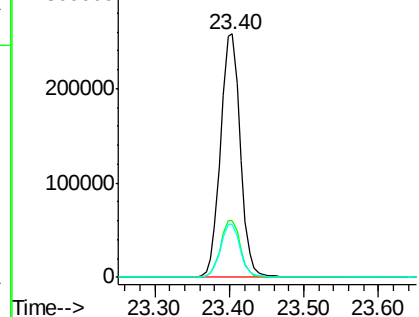
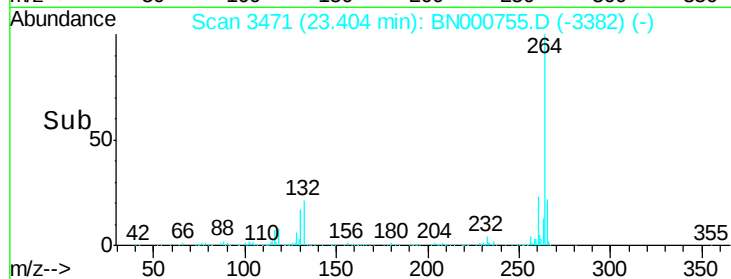
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BN000755.D
Acq: 19 Apr 2018 00:16

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.4	26.0
265	21.8	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



Data Path : Z:\HPCHEM1\BNA N\DATA\BN041818\
 Data File : BN000755.D
 Acq On : 19 Apr 2018 00:16
 Operator : JU/SJ
 Sample : J2133-07
 Misc : 5PPM LOD
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Apr 19 07:13:52 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN041818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 16:58:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	98924	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	416649	20.00	ng	0.00
38) Acenaphthene-d10	14.26	164	221203	20.00	ng	0.00
63) Phenanthrene-d10	17.00	188	469355	20.00	ng	0.00
75) Chrysene-d12	21.21	240	477357	20.00	ng	-0.01
86) Perylene-d12	23.40	264	474872	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	917031	137.71	ng	0.00
7) Phenol-d6	6.81	99	1199070	132.13	ng	0.00
23) Nitrobenzene-d5	8.78	82	671174	83.98	ng	0.00
41) 2,4,6-Tribromophenol	15.75	330	335775	150.78	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	1379221	86.07	ng	0.00
78) Terphenyl-d14	19.66	244	1810586	81.78	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.26	88	15978	5.231	ng	# 89
3) Pyridine	3.63	79	37418	4.651	ng	# 98
4) n-Nitrosodimethylamine	3.55	42	9694	4.381	ng	# 91
32) Benzoic acid	9.64	122	10320	6.336	ng	# 85
33) 4-Chloroaniline	10.55	127	40577	4.436	ng	# 96
35) Caprolactam	11.30	113	5209	2.668	ng	# 95
52) 3-Nitroaniline	14.16	138	15115	3.547	ng	# 96
55) 4-Nitrophenol	14.47	139	9769	3.087	ng	# 85
64) 4,6-Dinitro-2-methylphenol	15.39	198	7569	2.611	ng	# 84

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