

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099030.D
 Acq On : 3 Oct 2017 14:36
 Operator : SJ/JU
 Sample : I5275-05
 Misc : LOD 5 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT4-2017

Quant Time: Oct 05 01:03:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

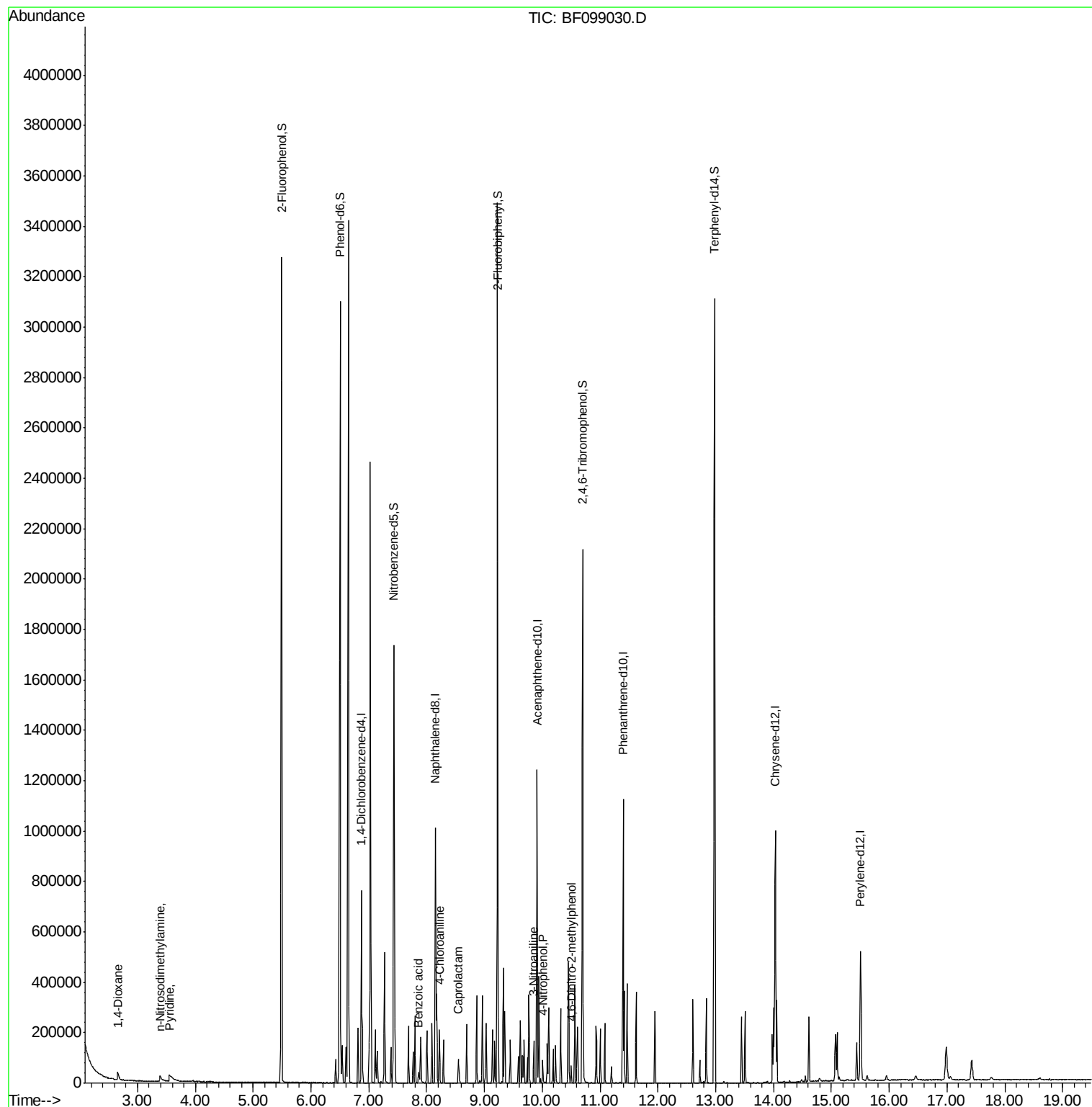
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	113805	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	485624	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	223528	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	399793	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	284844	20.00	ng	-0.05
86) Perylene-d12	15.51	264	227587	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1077125	150.67	ng	-0.05
7) Phenol-d6	6.50	99	1300872	147.51	ng	-0.04
23) Nitrobenzene-d5	7.43	82	641582	84.73	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	282531	154.47	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	1173561	87.65	ng	-0.05
78) Terphenyl-d14	12.98	244	982230	78.42	ng	-0.05
Target Compounds						
2) 1,4-Dioxane	2.66	88	19693	5.767	ng	92
3) Pyridine	3.55	79	43722	4.733	ng	# 90
4) n-Nitrosodimethylamine	3.39	42	17064	4.356	ng	98
32) Benzoic acid	7.86	122	13118	2.047	ng	95
33) 4-Chloroaniline	8.22	127	51659	5.424	ng	97
35) Caprolactam	8.55	113	11379	5.296	ng	91
52) 3-Nitroaniline	9.85	138	23192	5.415	ng	99
55) 4-Nitrophenol	10.00	139	15287	4.222	ng	98
64) 4,6-Dinitro-2-methylphenol	10.50	198	7325	3.011	ng	98

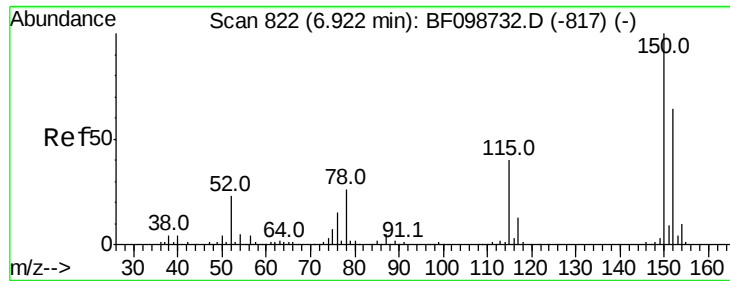
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099030.D
Acq On : 3 Oct 2017 14:36
Operator : SJ/JU
Sample : I5275-05
Misc : LOD 5 PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Quant Time: Oct 05 01:03:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration



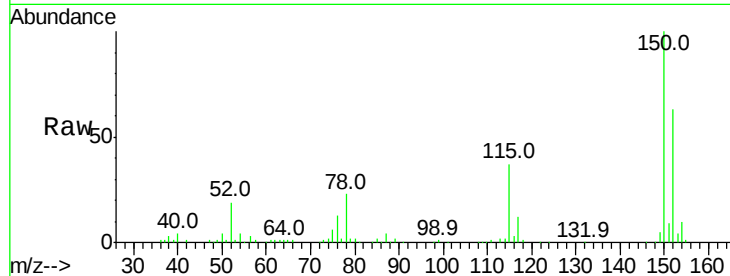


#1

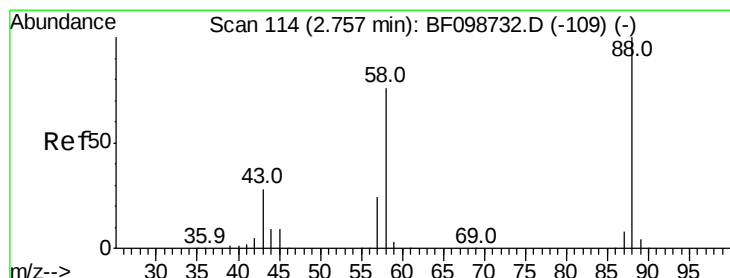
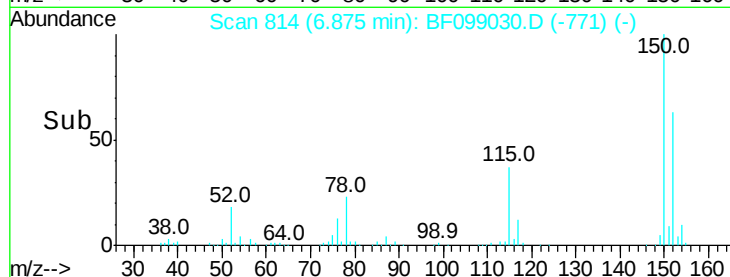
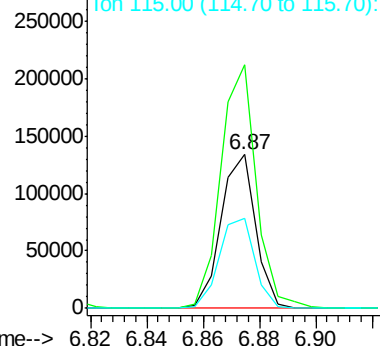
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tot Ion:152 Resp: 113805
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 58.4 50.1 75.1



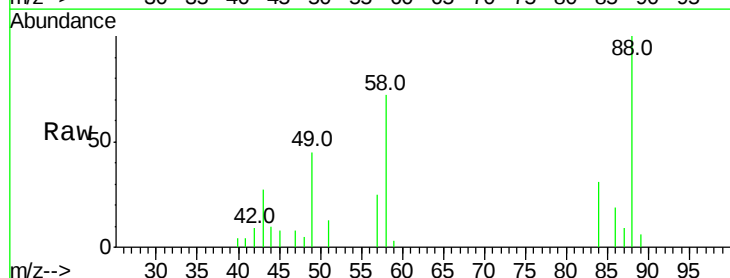
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



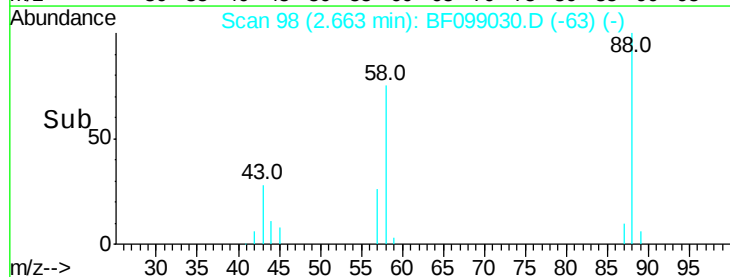
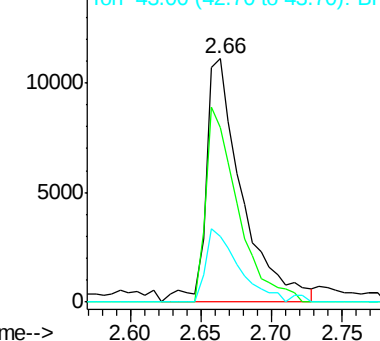
#2

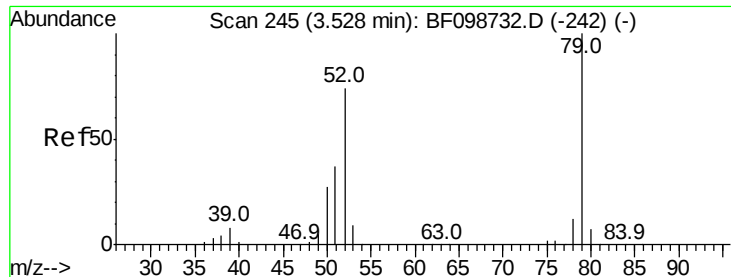
1,4-Dioxane
Concen: 5.767 ng
RT: 2.66 min Scan# 98
Delta R.T. -0.09 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Tgt Ion: 88 Resp: 19693
Ion Ratio Lower Upper
88 100
58 71.0 62.6 93.8
43 27.4 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 4.733 ng

RT: 3.55 min Scan# 249

Delta R.T. 0.02 min

Lab File: BF099030.D

Acq: 3 Oct 2017 14:36

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT4-2017

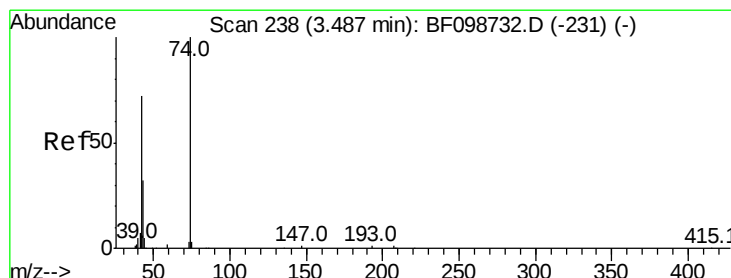
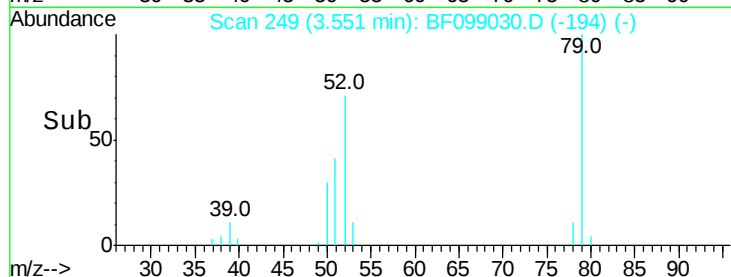
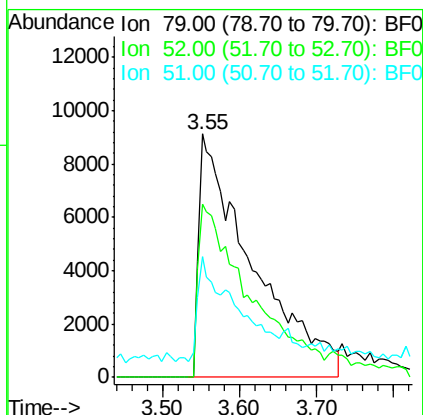
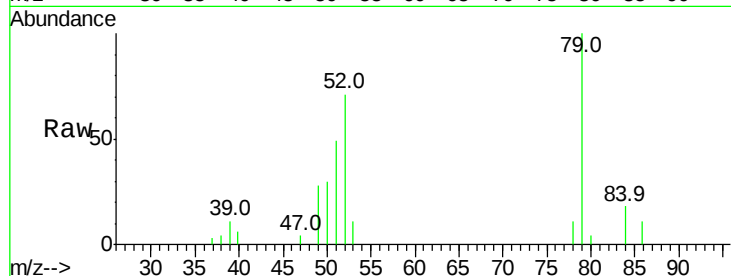
Tot Ion: 79 Resp: 43722

Ion Ratio Lower Upper

79 100

52 70.9 59.8 89.6

51 49.5 29.8 44.8#



#4

n-Nitrosodimethylamine

Concen: 4.356 ng

RT: 3.39 min Scan# 221

Delta R.T. -0.10 min

Lab File: BF099030.D

Acq: 3 Oct 2017 14:36

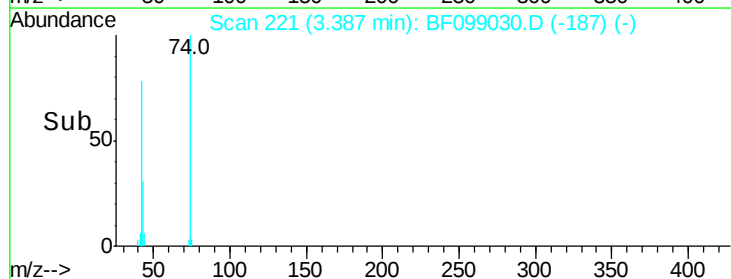
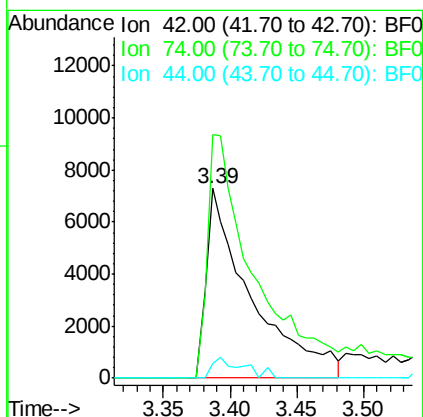
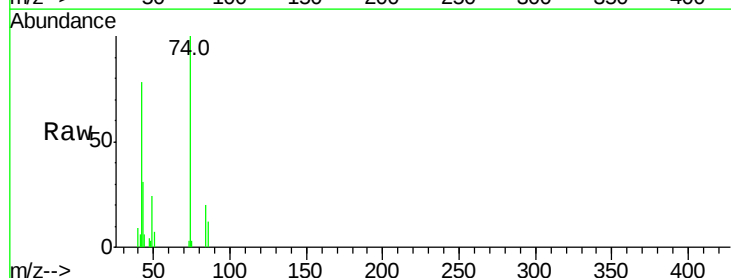
Tgt Ion: 42 Resp: 17064

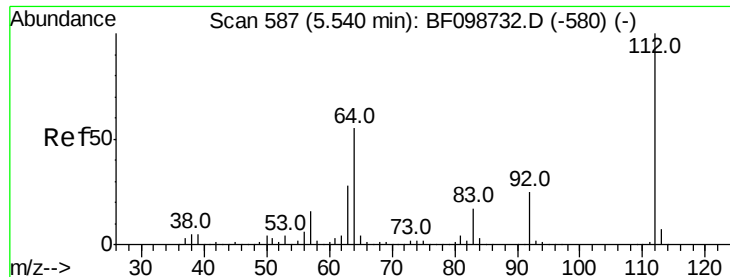
Ion Ratio Lower Upper

42 100

74 128.4 104.9 157.3

44 7.5 6.9 10.3





#5

2-Fluorophenol

Concen: 150.668 ng

RT: 5.49 min Scan# 579

Delta R.T. -0.05 min

Lab File: BF099030.D

Acq: 3 Oct 2017 14:36

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT4-2017

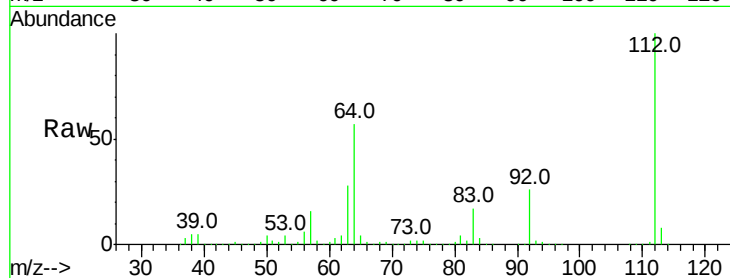
Tot Ion:112 Resp: 1077125

Ion Ratio Lower Upper

112 100

64 57.0 47.9 71.9

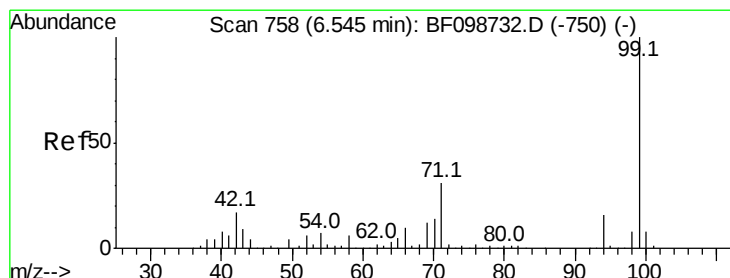
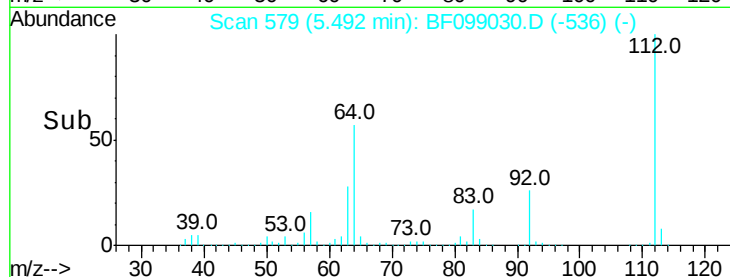
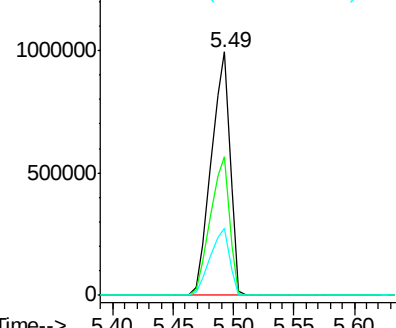
63 27.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 147.506 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF099030.D

Acq: 3 Oct 2017 14:36

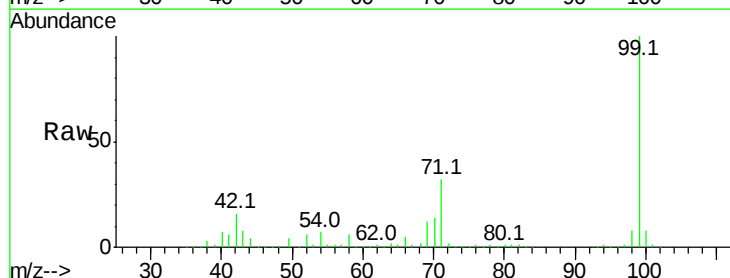
Tgt Ion: 99 Resp: 1300872

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

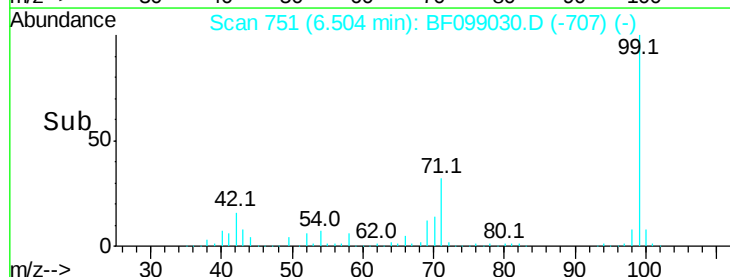
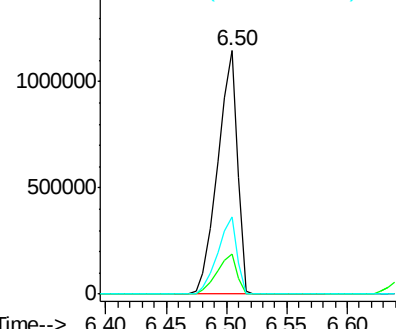
71 31.5 25.4 38.0

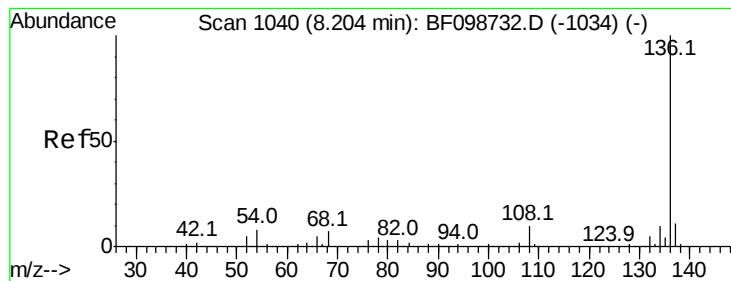


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

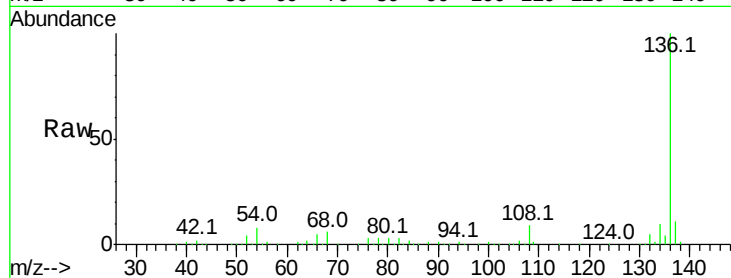




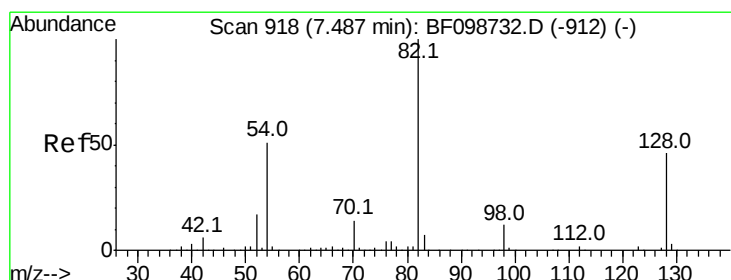
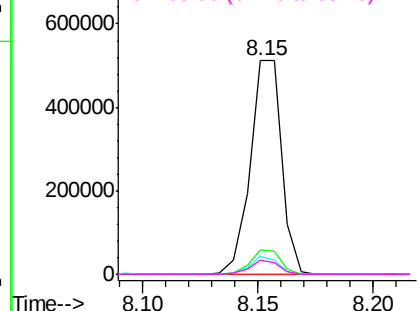
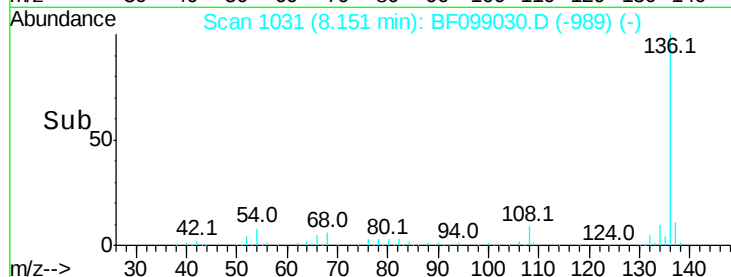
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tot Ion:	136	Resp:	485624
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.3	6.6	9.8
68	6.4	5.0	7.4

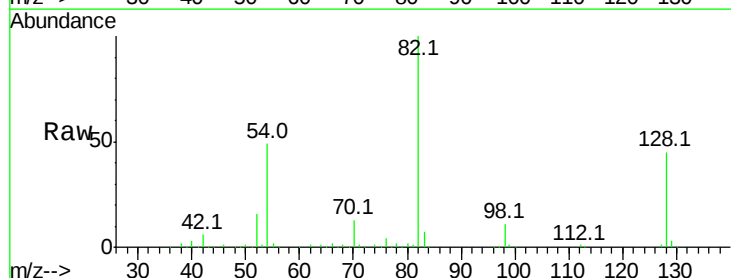


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

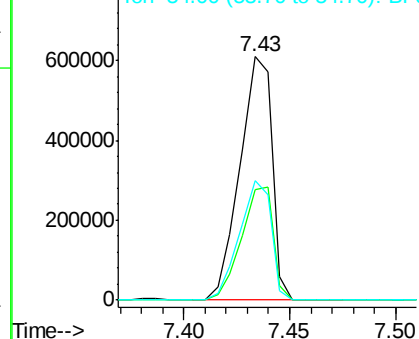
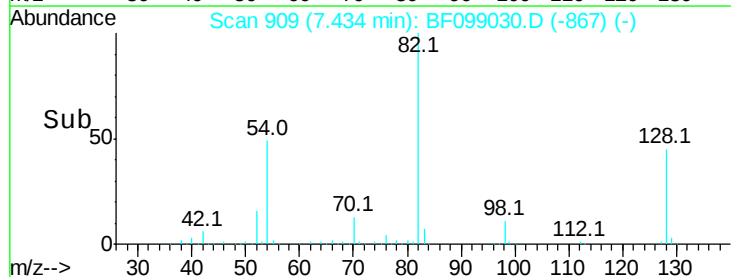


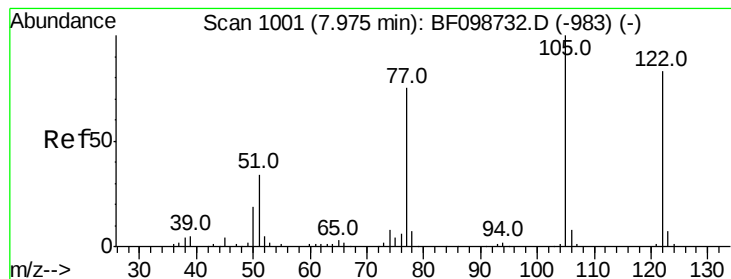
#23
Nitrobenzene-d5
Concen: 84.726 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Tgt Ion:	82	Resp:	641582
Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	49.2	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 2.047 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.11 min

Lab File: BF099030.D

Acq: 3 Oct 2017 14:36

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT4-2017

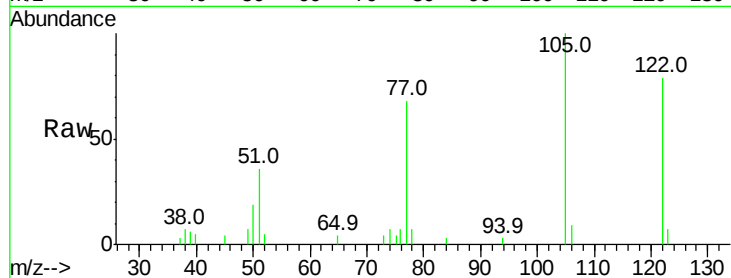
Tot Ion:122 Resp: 13118

Ion Ratio Lower Upper

122 100

105 126.0 101.1 141.1

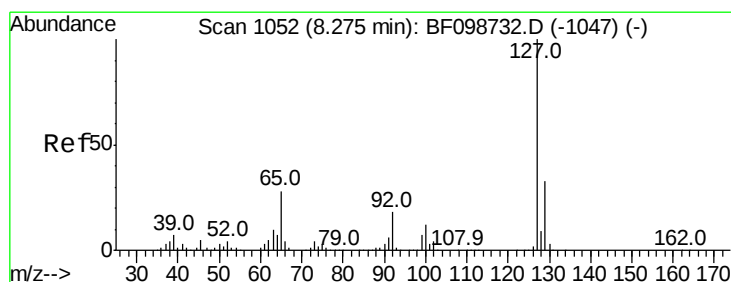
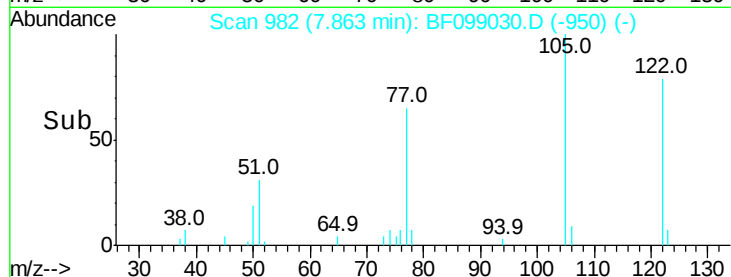
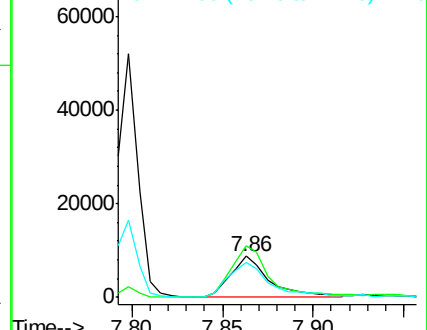
77 85.9 70.7 110.7



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): BF0



#33

4-Chloroaniline

Concen: 5.424 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.05 min

Lab File: BF099030.D

Acq: 3 Oct 2017 14:36

Tgt Ion:127 Resp: 51659

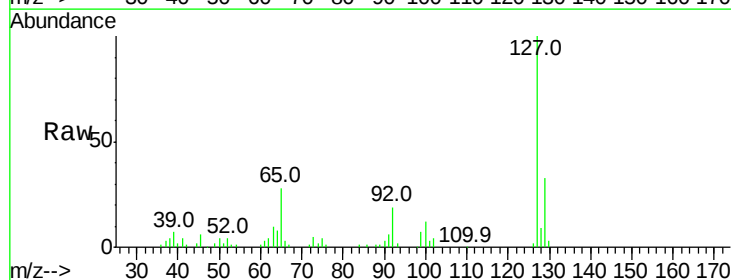
Ion Ratio Lower Upper

127 100

129 33.2 25.9 38.9

65 27.7 25.0 37.4

92 19.3 15.2 22.8

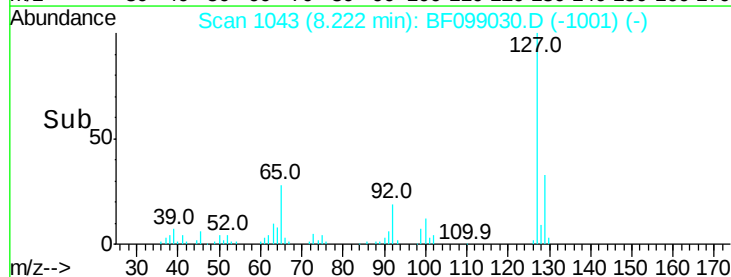
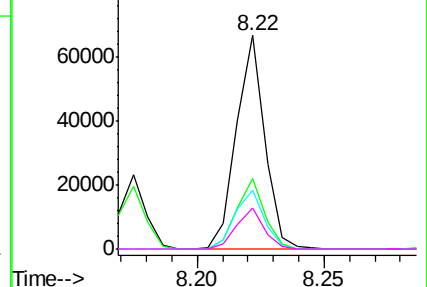


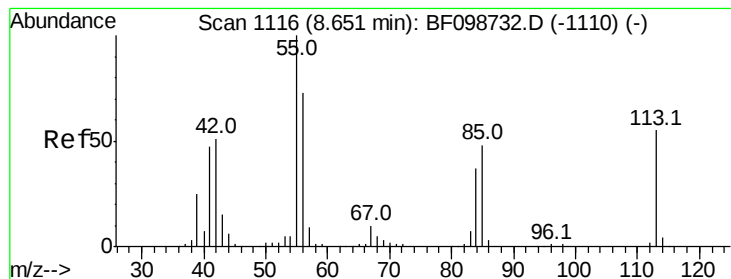
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 5.296 ng

RT: 8.55 min Scan# 1099

Delta R.T. -0.10 min

Lab File: BF099030.D

Acq: 3 Oct 2017 14:36

Instrument :

BNA_F

ClientSampleId :

LOD-WATER-05-QT4-2017

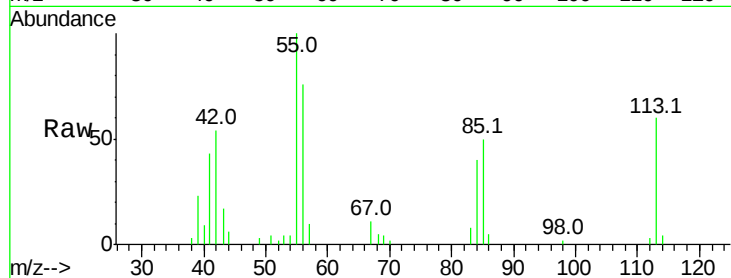
Tot Ion:113 Resp: 11379

Ion Ratio Lower Upper

113 100

55 168.0 163.3 203.3

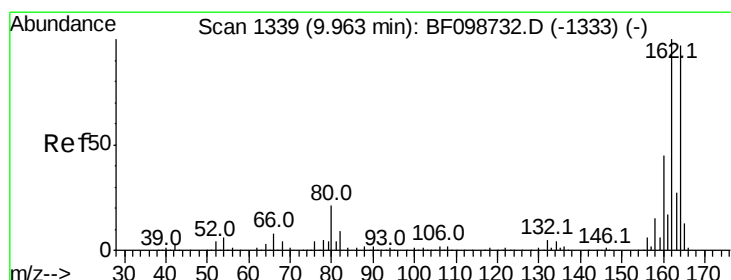
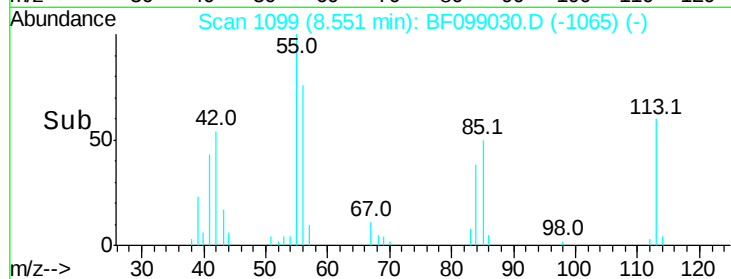
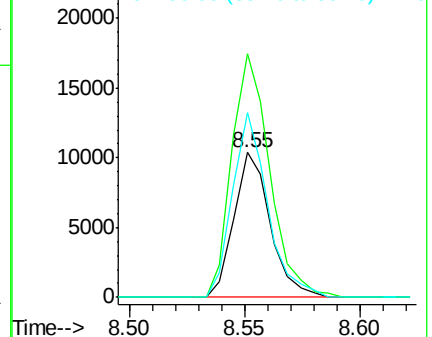
56 127.7 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.05 min

Lab File: BF099030.D

Acq: 3 Oct 2017 14:36

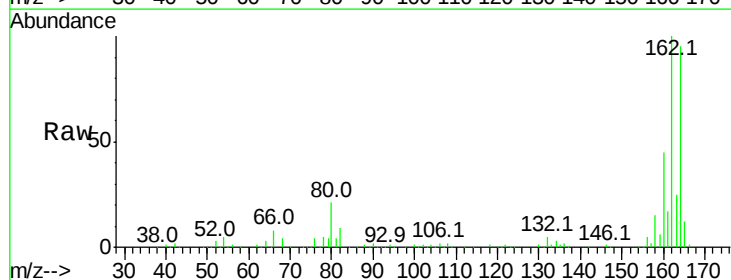
Tgt Ion:164 Resp: 223528

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

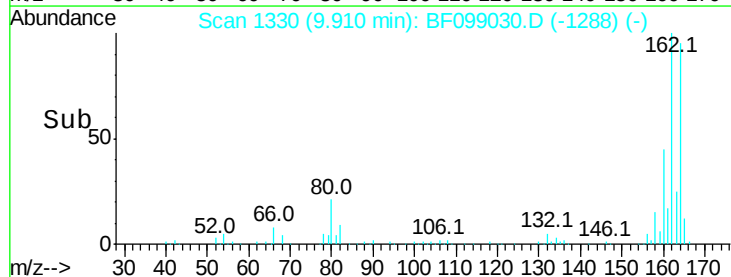
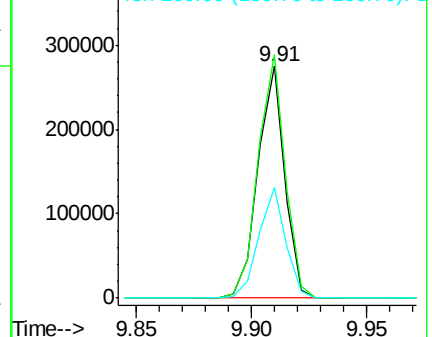
160 47.4 38.3 57.5

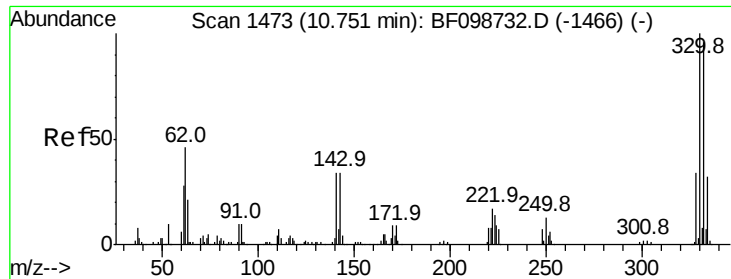


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

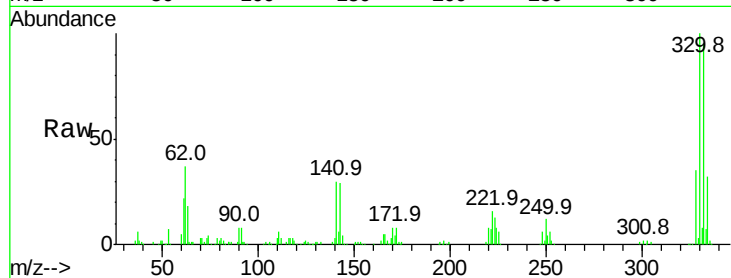




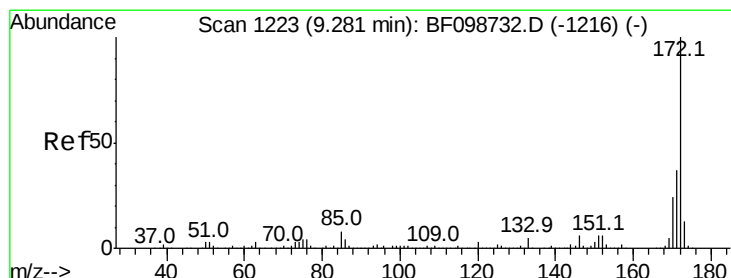
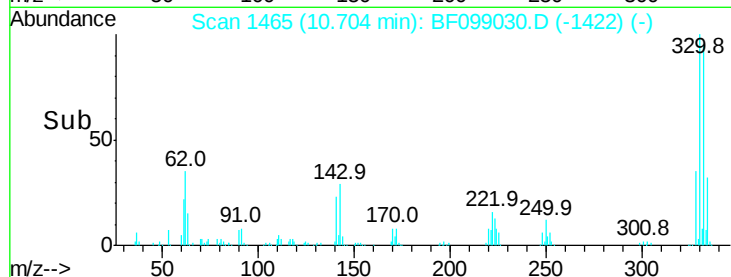
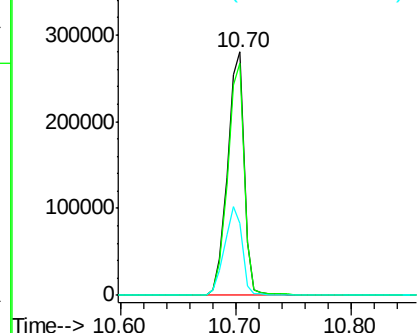
#41
 2,4,6-Tribromophenol
 Concen: 154.467 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.05 min
 Lab File: BF099030.D
 Acq: 3 Oct 2017 14:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT4-2017

Tot Ion:330 Resp: 282531
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 38.6 29.9 44.9

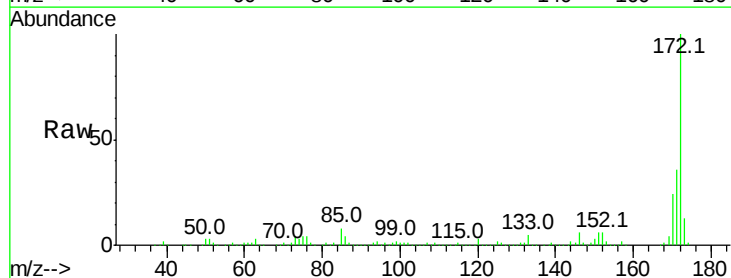


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

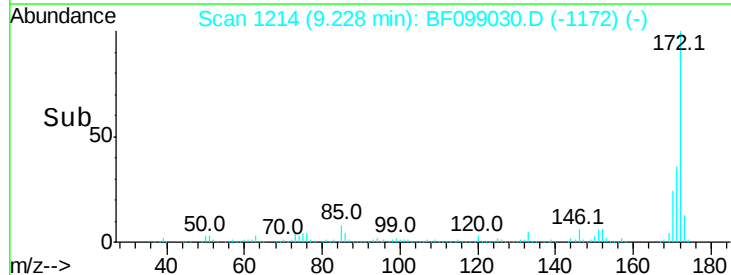
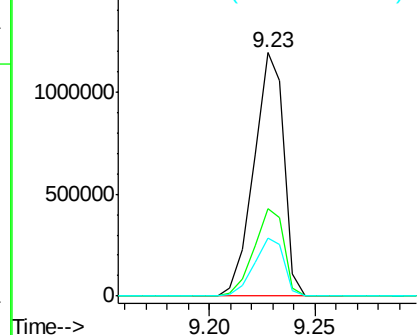


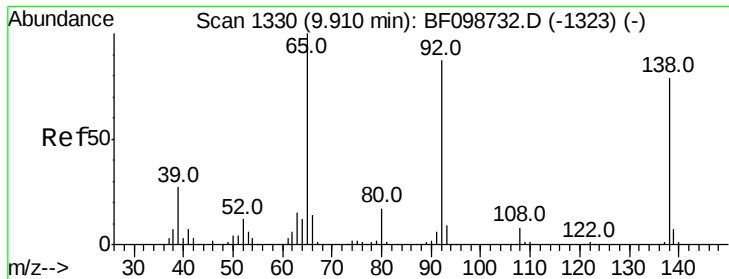
#44
 2-Fluorobiphenyl
 Concen: 87.647 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099030.D
 Acq: 3 Oct 2017 14:36

Tgt Ion:172 Resp: 1173561
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.9 19.6 29.4



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

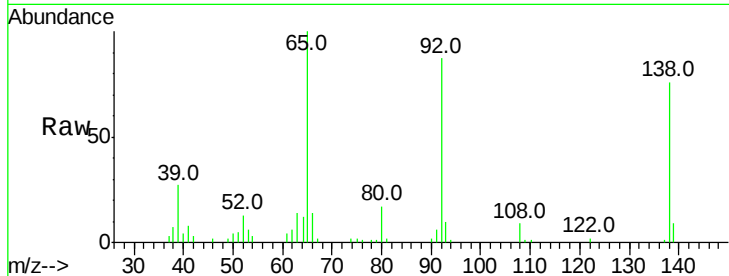




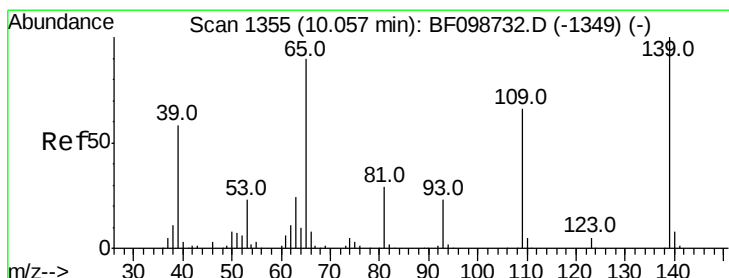
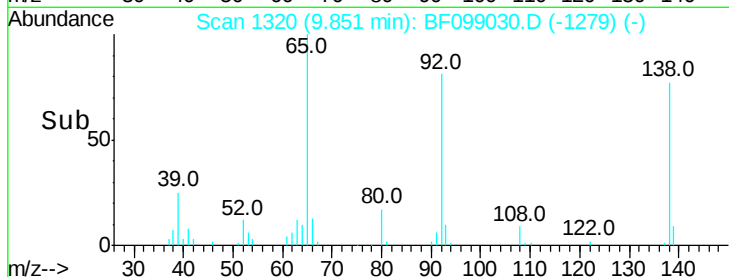
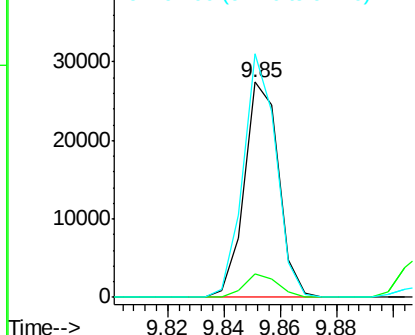
#52
3-Nitroaniline
Concen: 5.415 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.06 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tot Ion:138 Resp: 23192
Ion Ratio Lower Upper
138 100
108 11.2 9.4 14.0
92 113.2 89.4 134.2

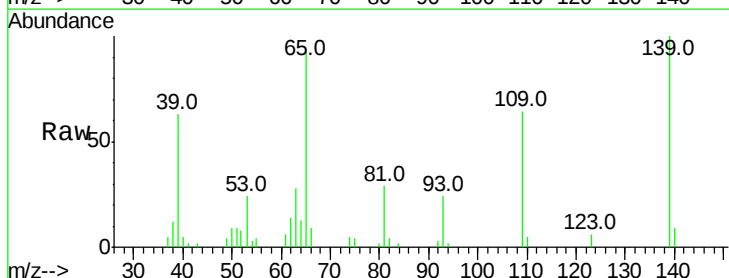


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

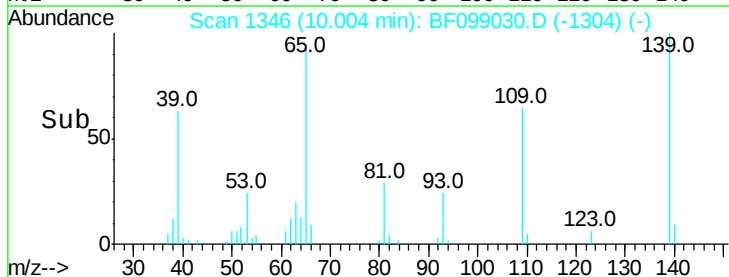
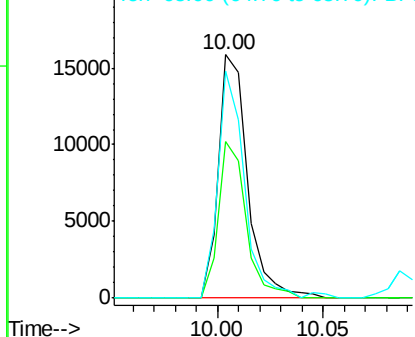


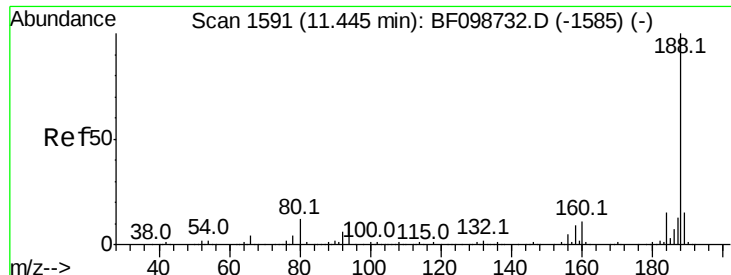
#55
4-Nitrophenol
Concen: 4.222 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.05 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Tgt Ion:139 Resp: 15287
Ion Ratio Lower Upper
139 100
109 64.4 48.4 88.4
65 93.0 72.6 112.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

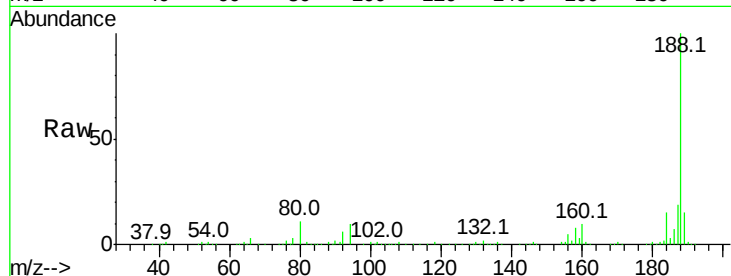




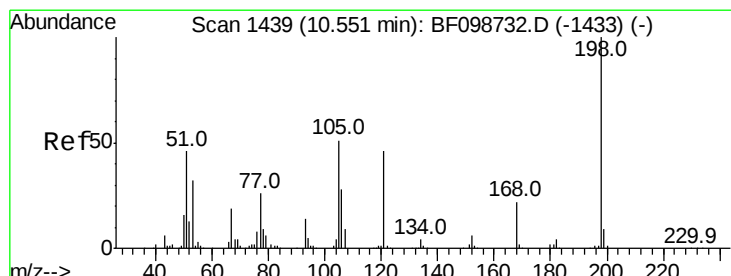
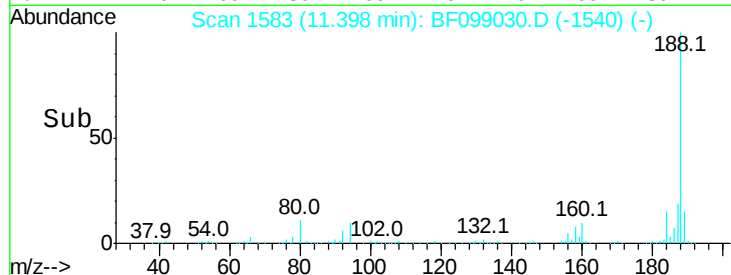
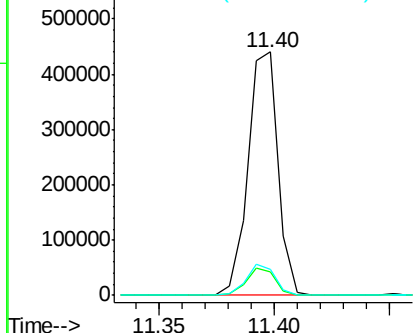
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

Tot Ion:188 Resp: 399793
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.6 9.2 13.8

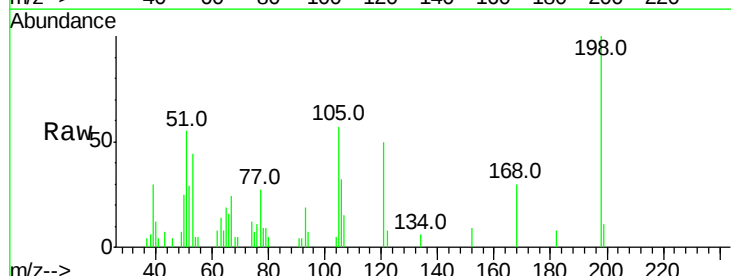


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

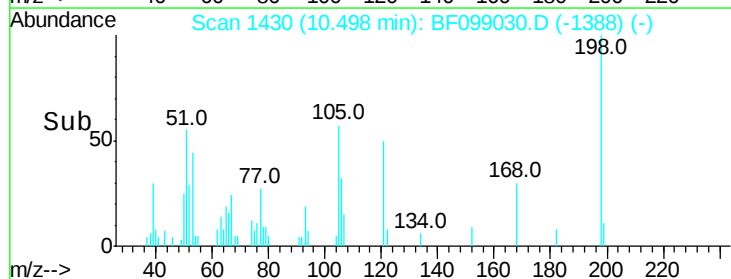
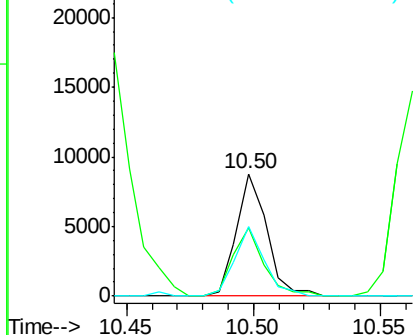


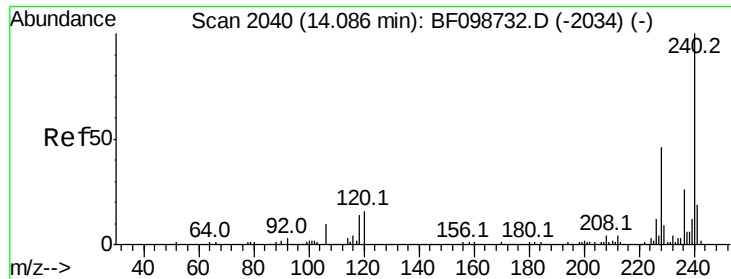
#64
4,6-Dinitro-2-methylphenol
Concen: 3.011 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.05 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Tgt Ion:198 Resp: 7325
Ion Ratio Lower Upper
198 100
51 55.4 37.7 77.7
105 56.7 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

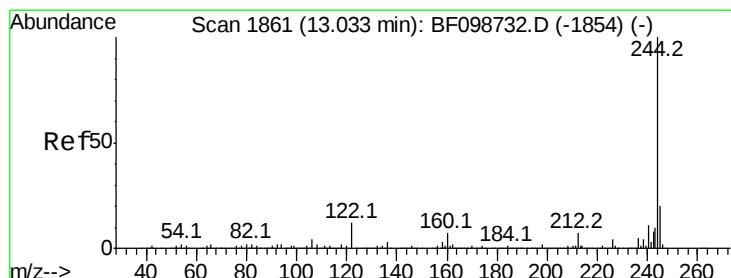
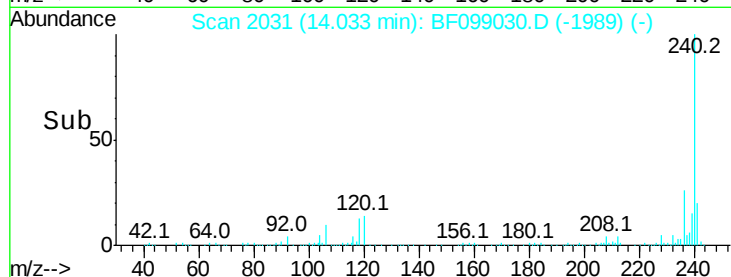
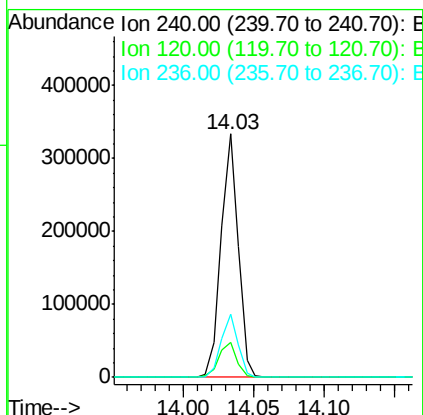
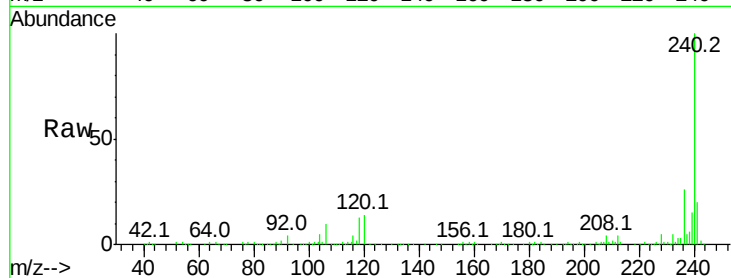




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.05 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

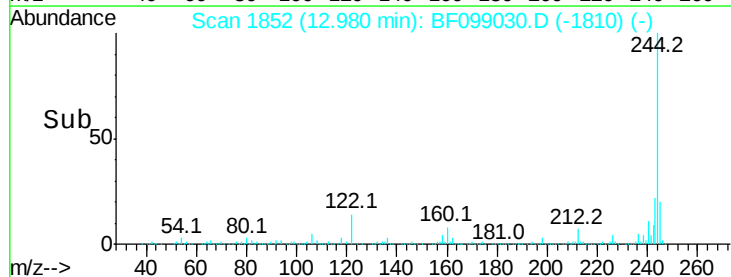
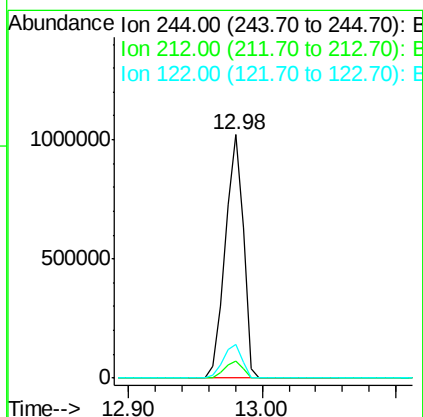
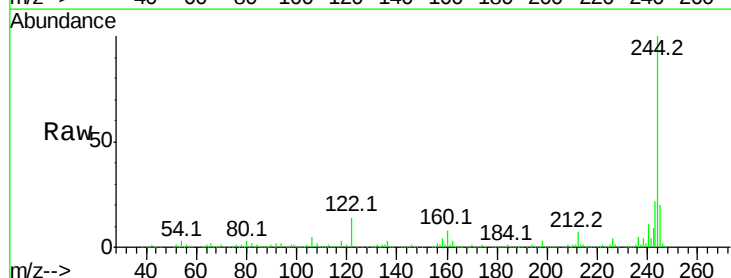
Instrument :
BNA_F
ClientSampleId :
LOD-WATER-05-QT4-2017

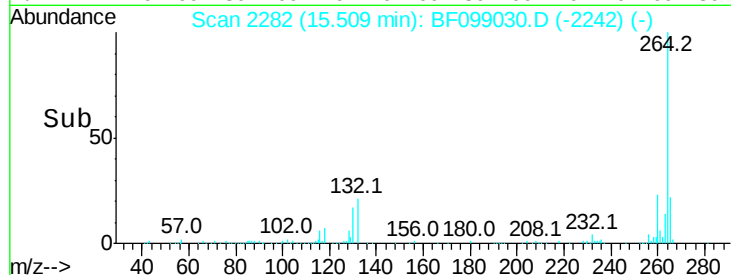
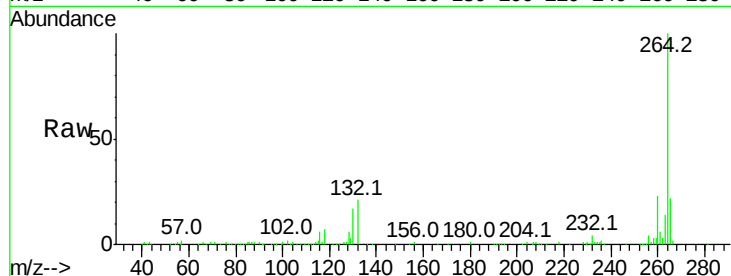
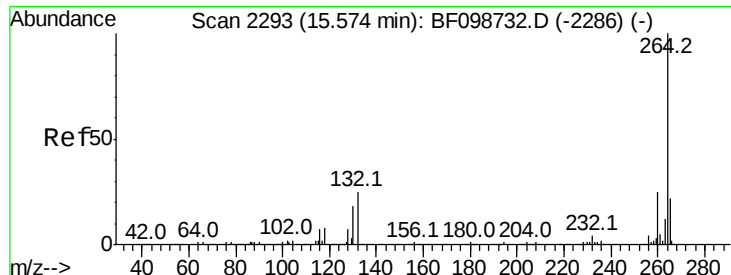
Tot Ion:240 Resp: 284844
Ion Ratio Lower Upper
240 100
120 14.5 9.5 14.3#
236 25.9 20.7 31.1



#78
Terphenyl-d14
Concen: 78.421 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.05 min
Lab File: BF099030.D
Acq: 3 Oct 2017 14:36

Tgt Ion:244 Resp: 982230
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 14.1 11.0 16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.06 min
 Lab File: BF099030.D
 Acq: 3 Oct 2017 14:36

Instrument :
 BNA_F
 ClientSampleId :
 LOD-WATER-05-QT4-2017

Tot Ion:264	Resp:	227587
Ion Ratio	Lower	Upper
264	100	
260	22.7	19.2 28.8
265	21.7	17.5 26.3

