

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
 Data File : BF103196.D
 Acq On : 23 Feb 2018 13:45
 Operator : SJ/JU
 Sample : J1161-07
 Misc : LOD-S-5ppm
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 23 17:02:35 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

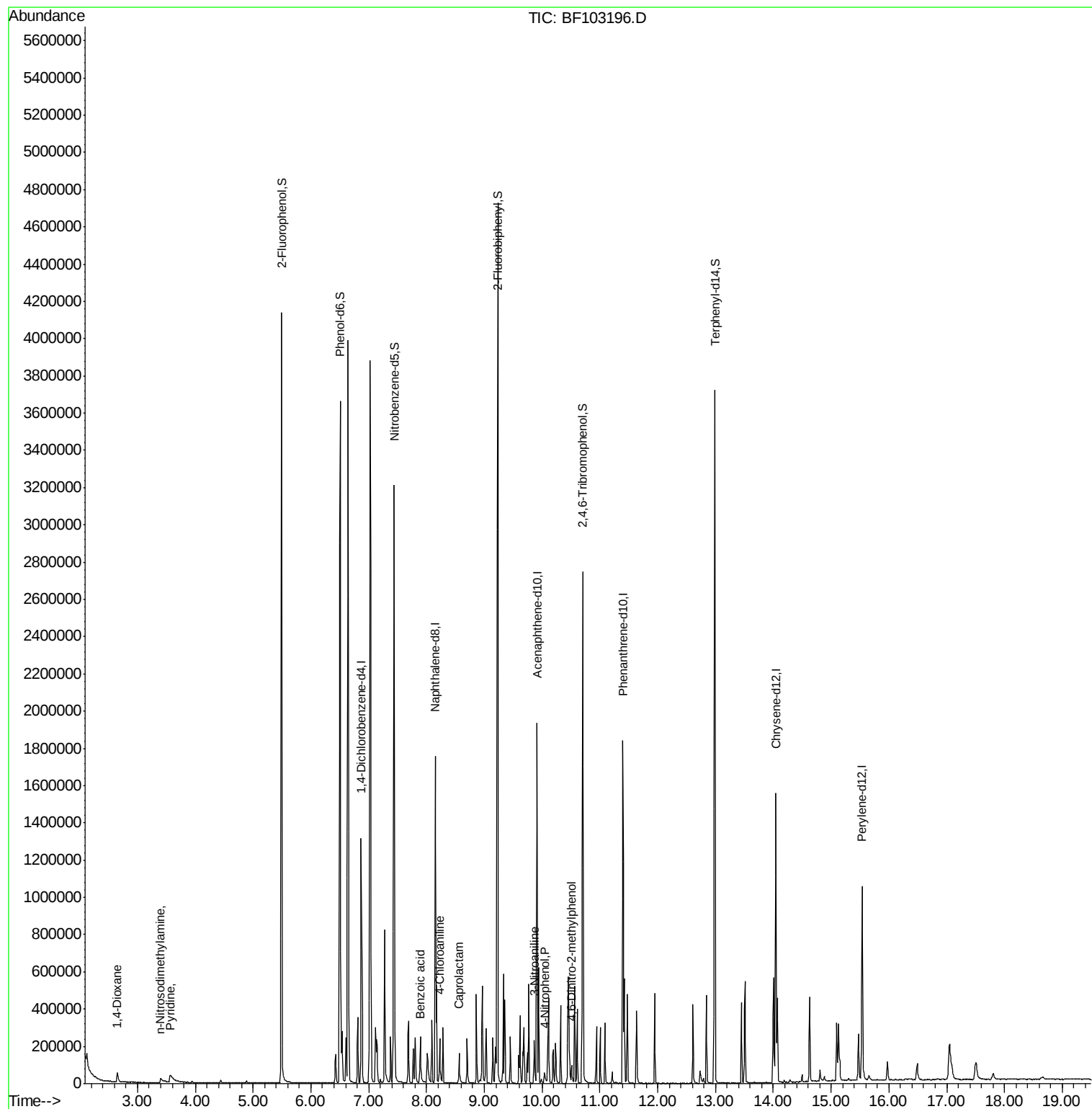
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	175913	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	768428	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	354695	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	610832	20.00	ng	0.00
75) Chrysene-d12	14.04	240	453083	20.00	ng	0.00
86) Perylene-d12	15.54	264	438017	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1318215	113.33	ng	0.00
7) Phenol-d6	6.50	99	1596300	112.16	ng	0.00
23) Nitrobenzene-d5	7.44	82	1207957	89.77	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	356488	118.74	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1771526	86.35	ng	0.00
78) Terphenyl-d14	12.99	244	1453266	77.10	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.65	88	29011	4.722	ng	96
3) Pyridine	3.56	79	59632	3.636	ng	96
4) n-Nitrosodimethylamine	3.40	42	18215	2.754	ng	# 95
32) Benzoic acid	7.88	122	22462	9.345	ng	90
33) 4-Chloroaniline	8.23	127	79472	4.895	ng	97
35) Caprolactam	8.56	113	16906	4.713	ng	# 72
52) 3-Nitroaniline	9.86	138	35350	4.666	ng	93
55) 4-Nitrophenol	10.04	139	15592	3.321	ng	# 82
64) 4,6-Dinitro-2-methylphenol	10.51	198	11411	7.699	ng	84

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022318\
Data File : BF103196.D
Acq On : 23 Feb 2018 13:45
Operator : SJ/JU
Sample : J1161-07
Misc : LOD-S-5ppm
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 23 17:02:35 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration



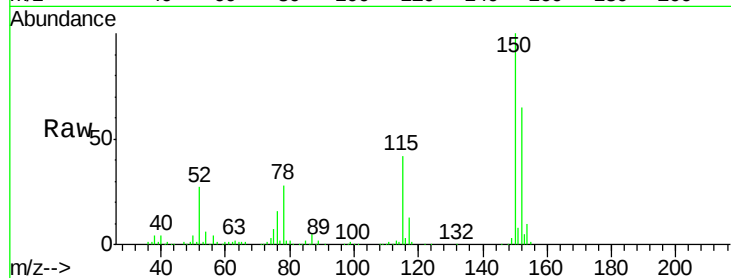


#1

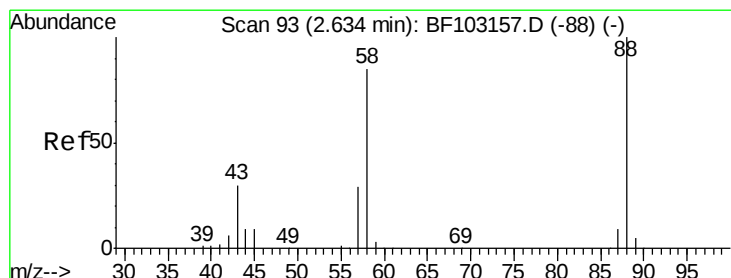
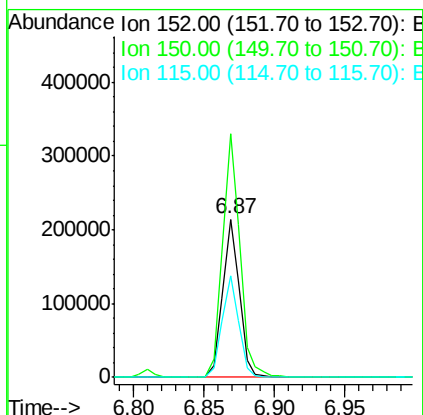
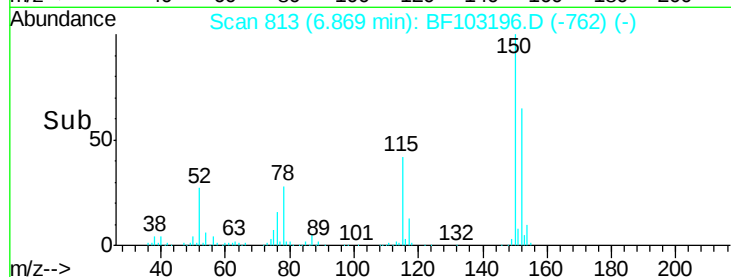
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

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

Tgt Ion:152 Resp: 175913
Ion Ratio Lower Upper
152 100
150 153.9 124.6 186.8
115 64.3 50.1 75.1



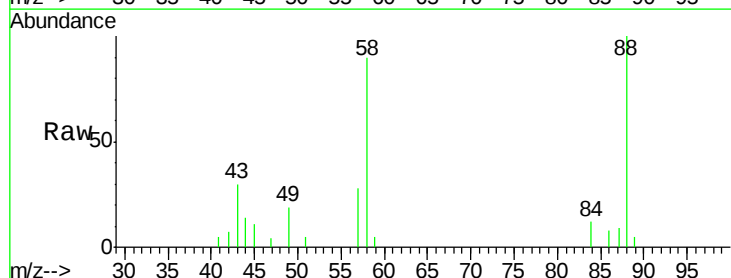
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



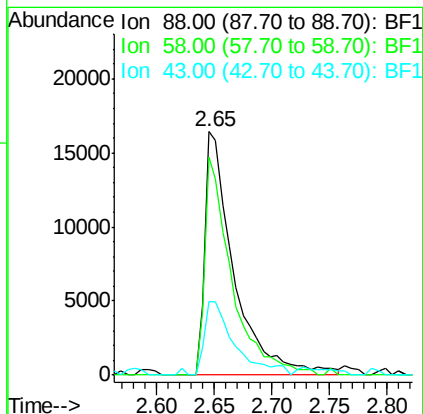
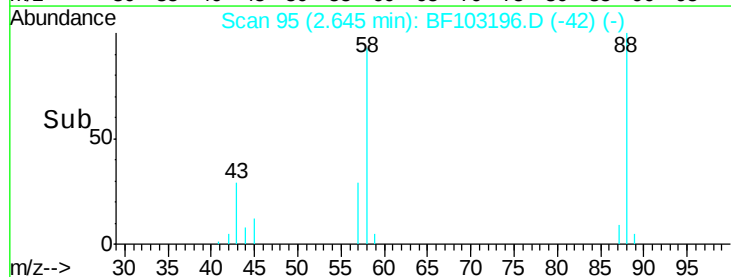
#2

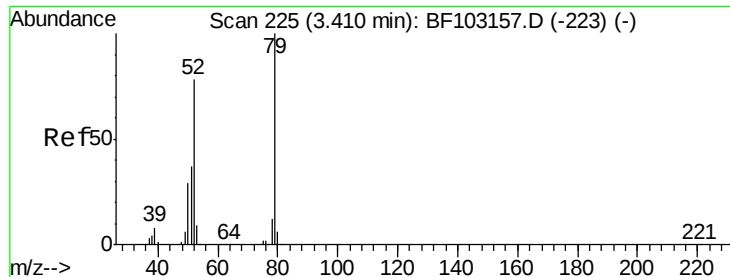
1,4-Dioxane
Concen: 4.722 ng
RT: 2.65 min Scan# 95
Delta R.T. 0.01 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

Tgt Ion: 88 Resp: 29011
Ion Ratio Lower Upper
88 100
58 82.6 62.6 93.8
43 31.7 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

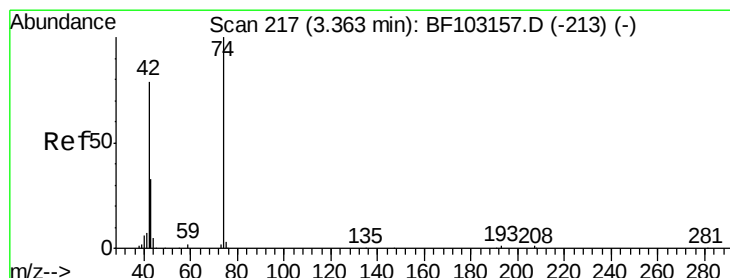
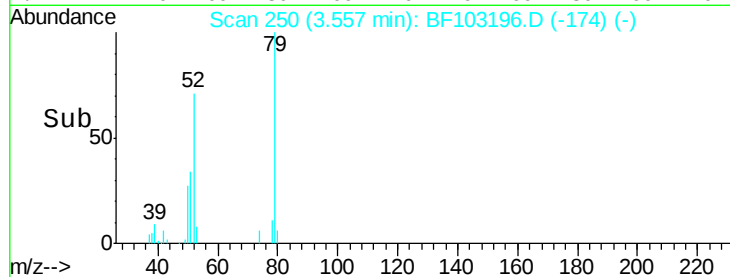
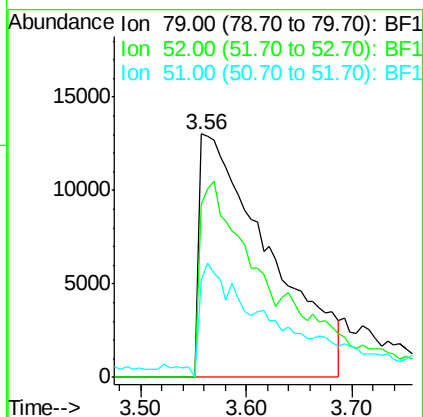
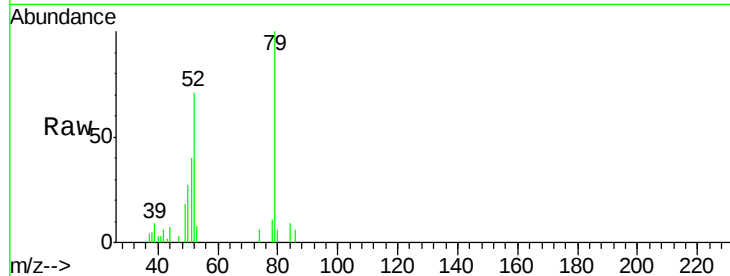




#3
 Pyridine
 Concen: 3.636 ng
 RT: 3.56 min Scan# 250
 Delta R.T. 0.15 min
 Lab File: BF103196.D
 Acq: 23 Feb 2018 13:45

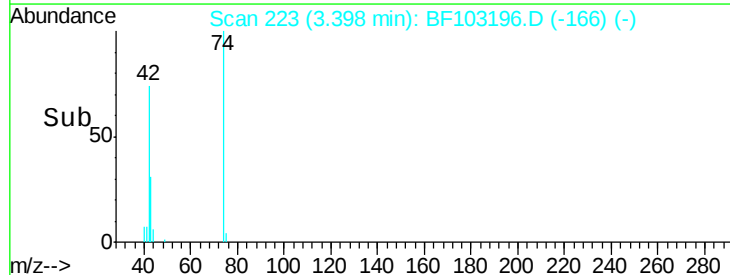
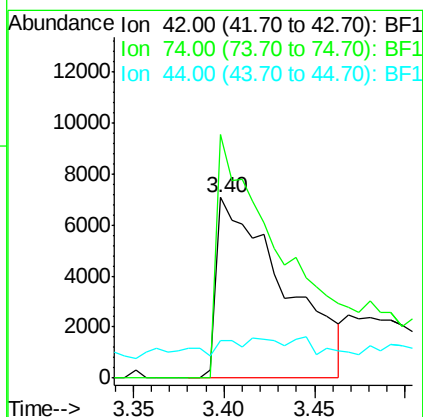
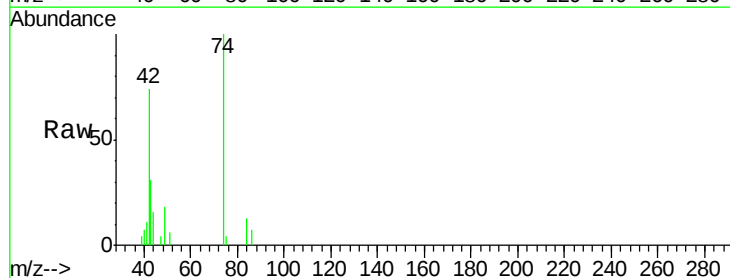
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

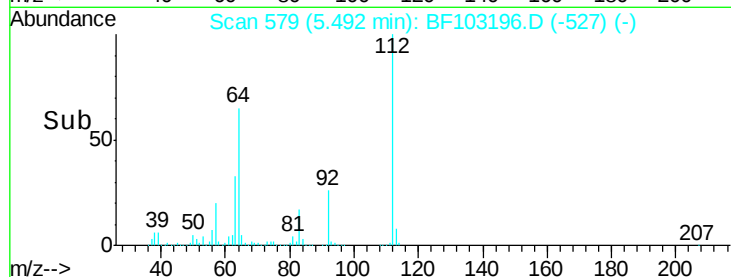
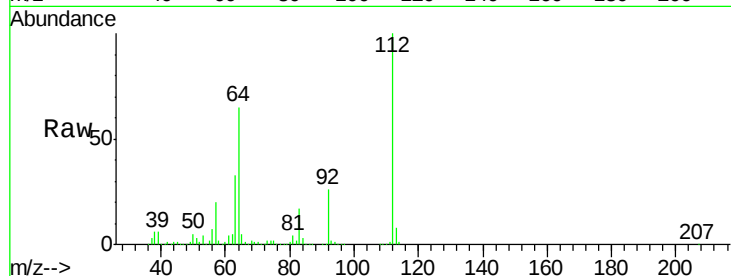
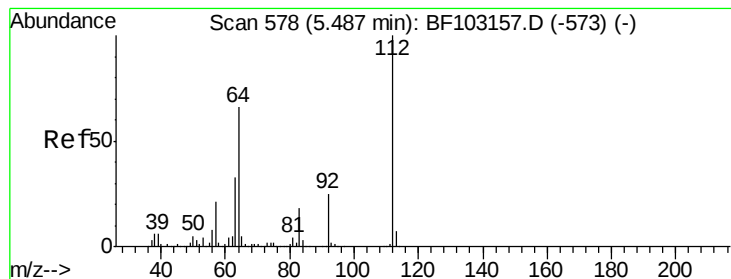
Tgt Ion: 79 Resp: 59632
 Ion Ratio Lower Upper
 79 100
 52 71.4 59.8 89.6
 51 40.2 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 2.754 ng
 RT: 3.40 min Scan# 223
 Delta R.T. 0.04 min
 Lab File: BF103196.D
 Acq: 23 Feb 2018 13:45

Tgt Ion: 42 Resp: 18215
 Ion Ratio Lower Upper
 42 100
 74 135.0 104.9 157.3
 44 21.2 6.9 10.3#





#5

2-Fluorophenol

Concen: 113.335 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF103196.D

Acq: 23 Feb 2018 13:45

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

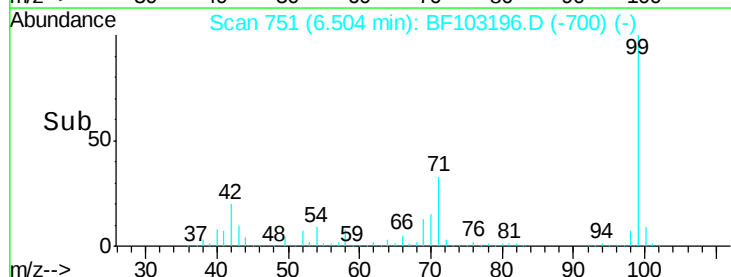
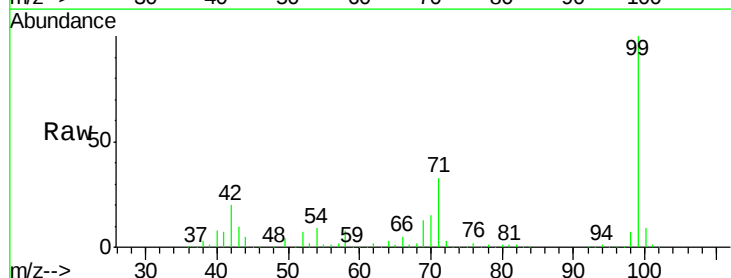
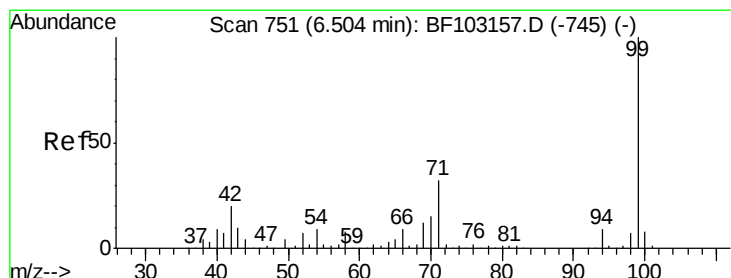
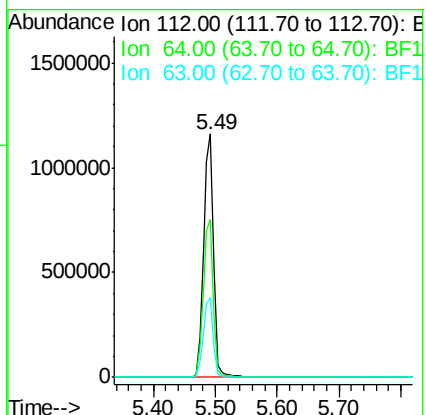
Tgt Ion:112 Resp: 1318215

Ion Ratio Lower Upper

112 100

64 64.6 47.9 71.9

63 32.7 23.7 35.5



#7

Phenol-d6

Concen: 112.159 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103196.D

Acq: 23 Feb 2018 13:45

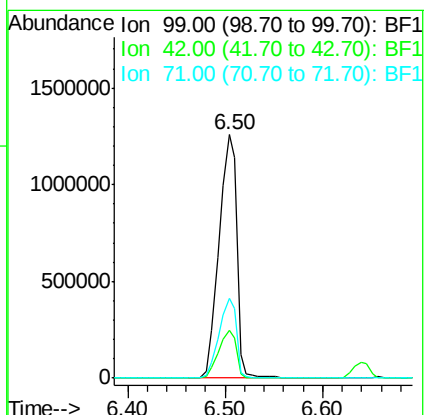
Tgt Ion: 99 Resp: 1596300

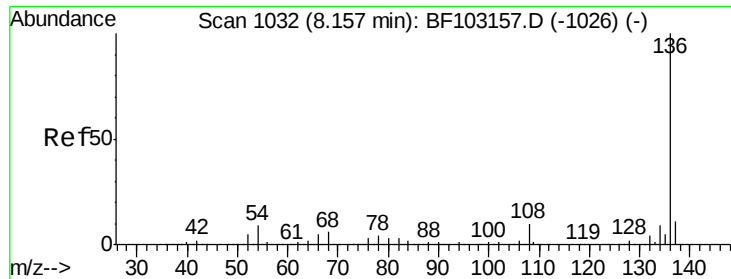
Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 33.0 25.4 38.0

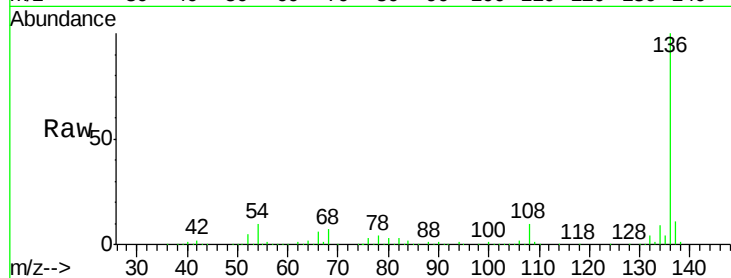




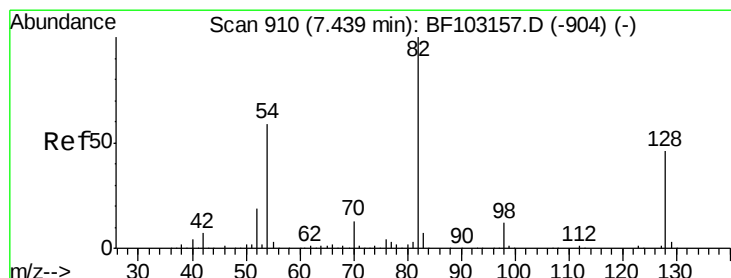
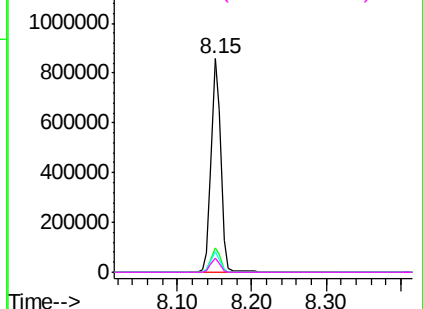
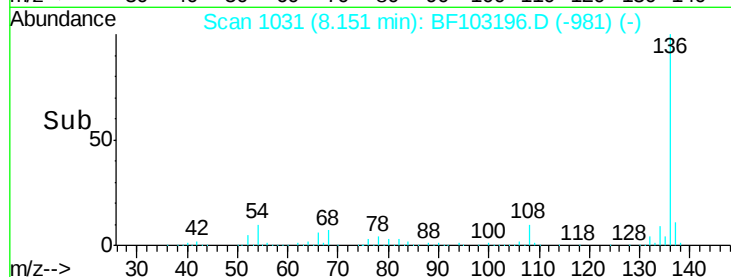
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

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

Tgt Ion:	136	Resp:	768428
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.7	6.6	9.8
68	6.8	5.0	7.4

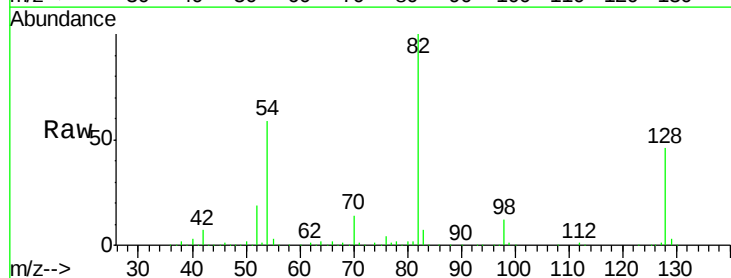


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

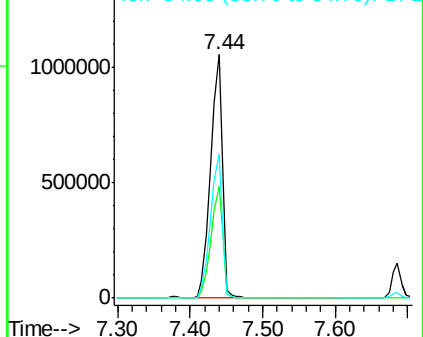
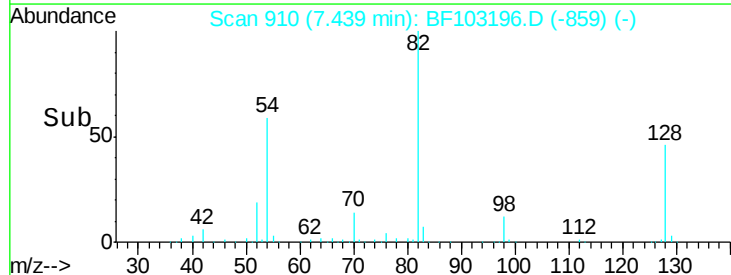


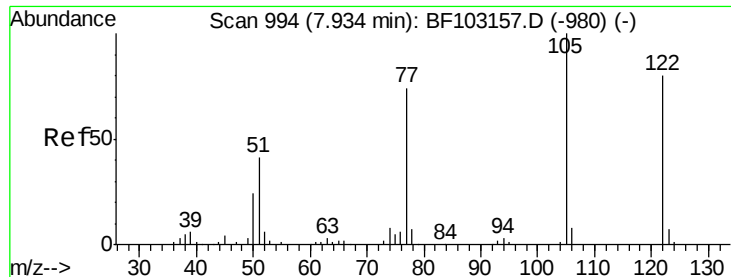
#23
Nitrobenzene-d5
Concen: 89.774 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

Tgt Ion:	82	Resp:	1207957
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	58.9	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 9.345 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.05 min

Lab File: BF103196.D

Acq: 23 Feb 2018 13:45

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT1-2018

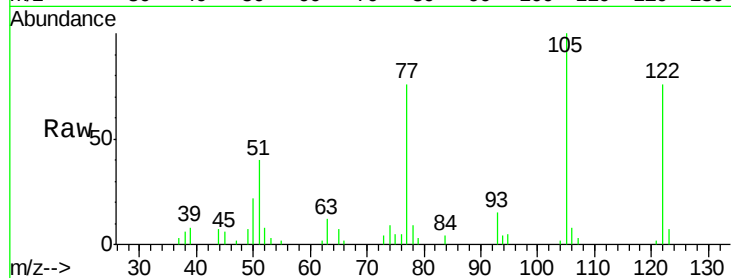
Tgt Ion:122 Resp: 22462

Ion Ratio Lower Upper

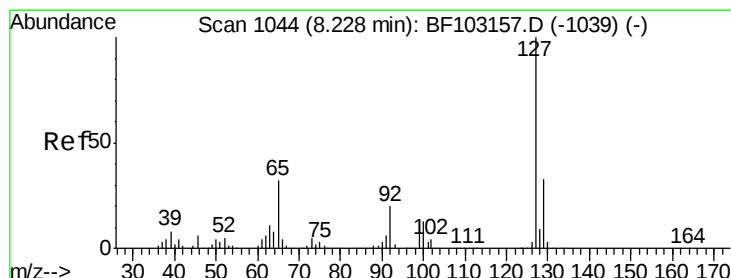
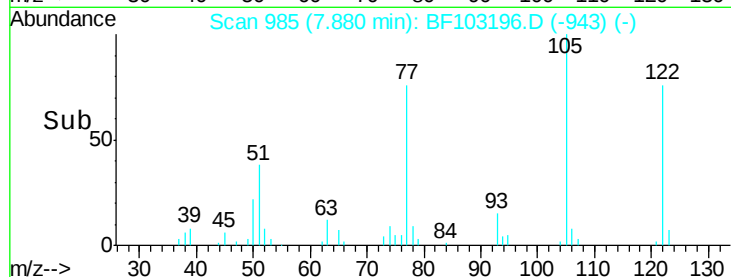
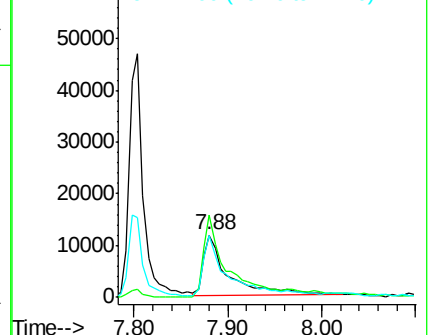
122 100

105 131.5 101.1 141.1

77 100.1 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): BF1



#33

4-Chloroaniline

Concen: 4.895 ng

RT: 8.23 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF103196.D

Acq: 23 Feb 2018 13:45

Tgt Ion:127 Resp: 79472

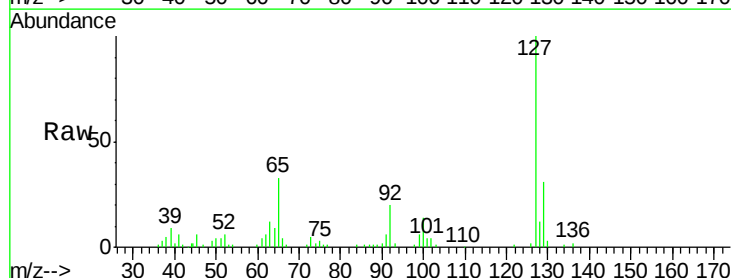
Ion Ratio Lower Upper

127 100

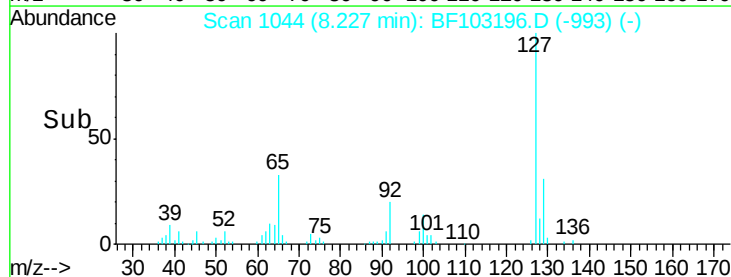
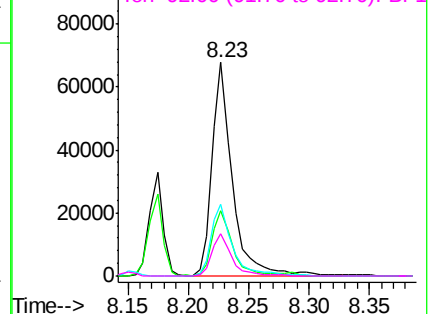
129 30.8 25.9 38.9

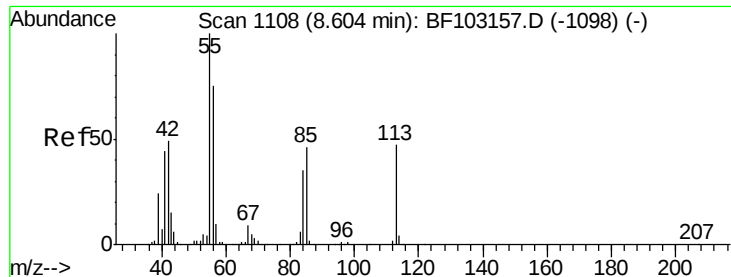
65 33.4 25.0 37.4

92 19.7 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): BF1
Ion 92.00 (91.70 to 92.70): BF1

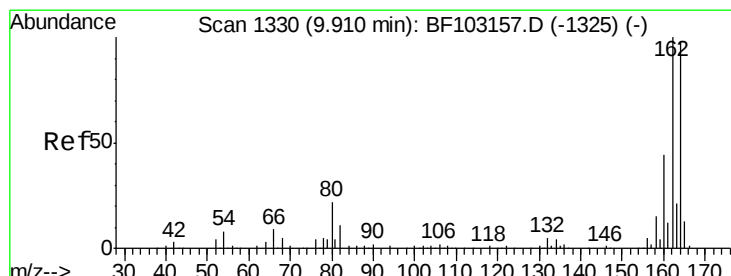
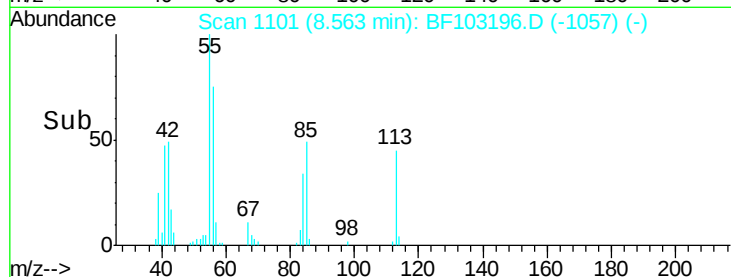
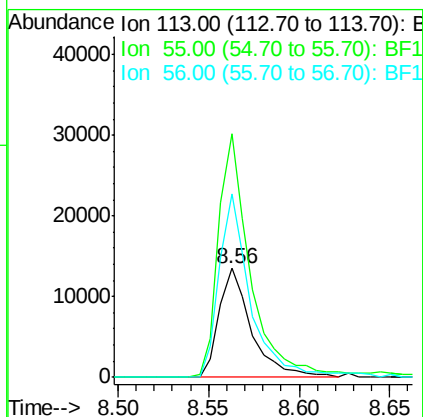
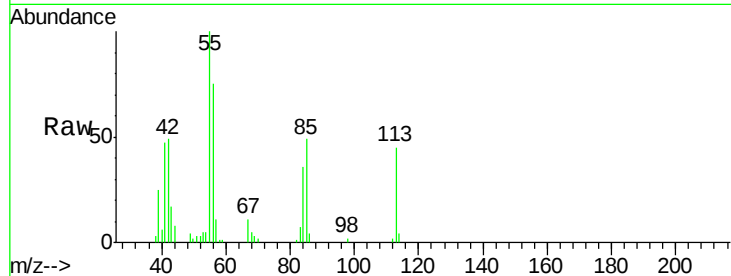




#35
 Caprolactam
 Concen: 4.713 ng
 RT: 8.56 min Scan# 1101
 Delta R.T. -0.04 min
 Lab File: BF103196.D
 Acq: 23 Feb 2018 13:45

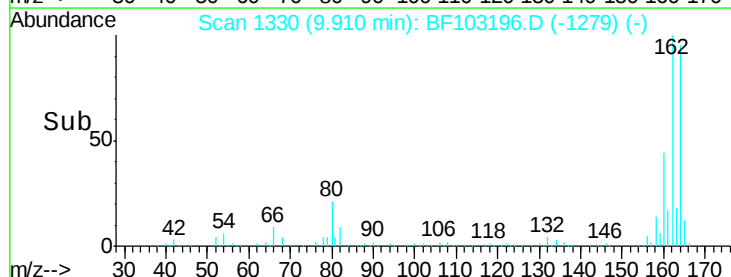
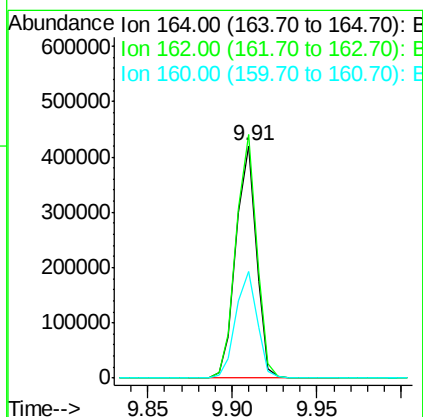
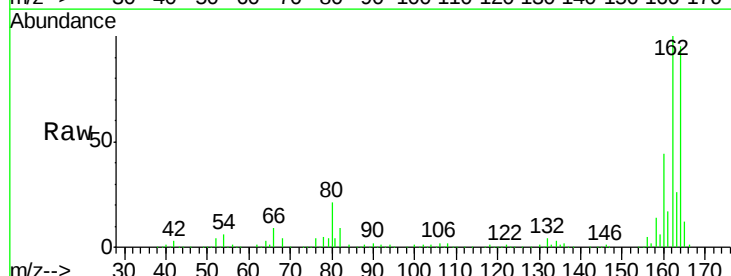
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2018

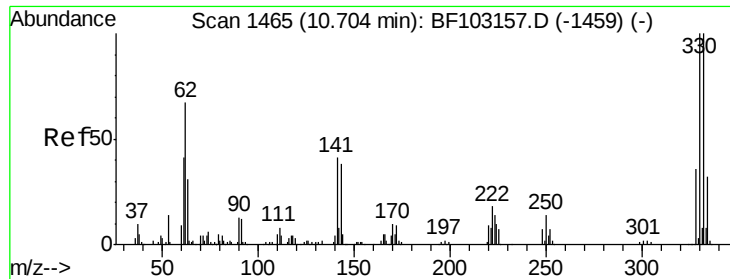
Tgt Ion:113 Resp: 16906
 Ion Ratio Lower Upper
 113 100
 55 224.2 163.3 203.3#
 56 169.2 115.7 155.7#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF103196.D
 Acq: 23 Feb 2018 13:45

Tgt Ion:164 Resp: 354695
 Ion Ratio Lower Upper
 164 100
 162 104.7 86.1 129.1
 160 46.1 38.3 57.5

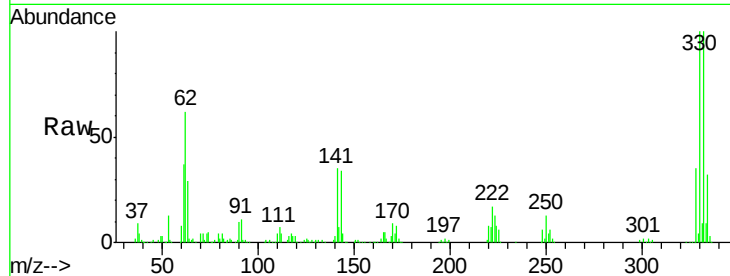




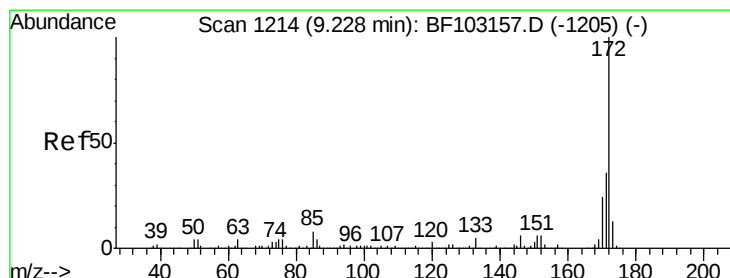
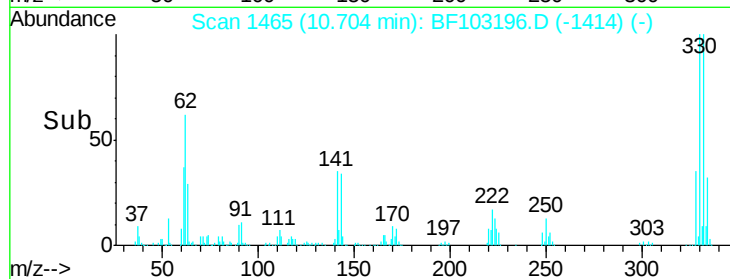
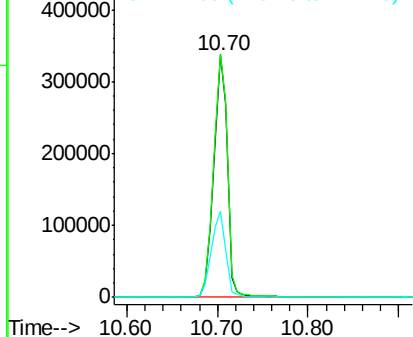
#41
 2,4,6-Tribromophenol
 Concen: 118.738 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103196.D
 Acq: 23 Feb 2018 13:45

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

Tgt Ion:330 Resp: 356488
 Ion Ratio Lower Upper
 330 100
 332 102.1 77.0 115.6
 141 38.1 29.9 44.9

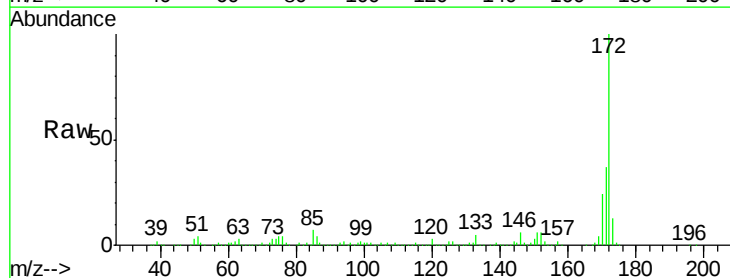


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

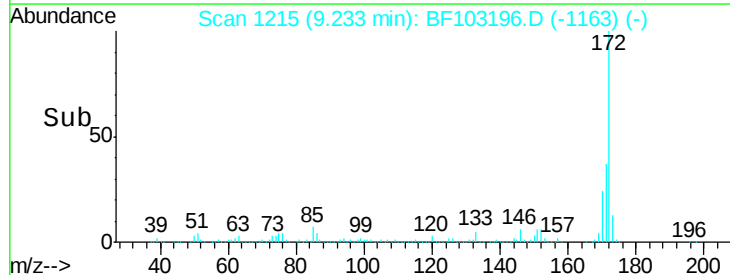
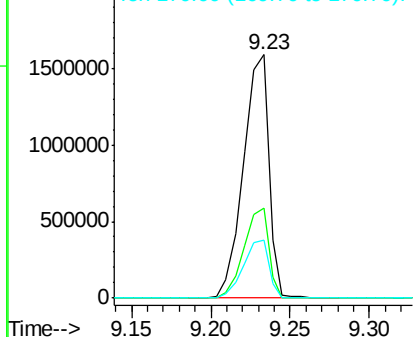


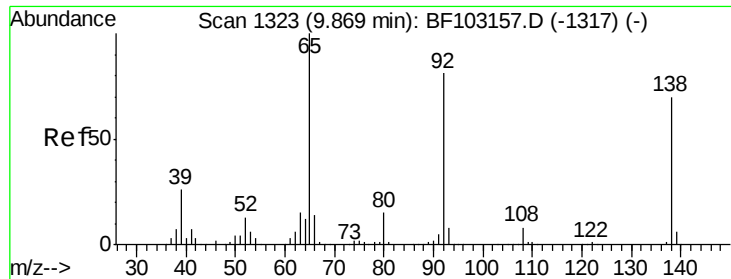
#44
 2-Fluorobiphenyl
 Concen: 86.348 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. 0.01 min
 Lab File: BF103196.D
 Acq: 23 Feb 2018 13:45

Tgt Ion:172 Resp: 1771526
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.7 44.5
 170 24.0 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

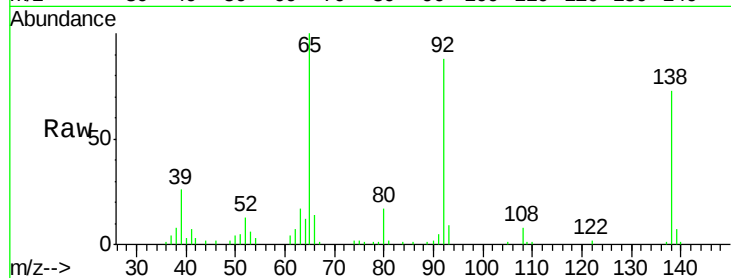




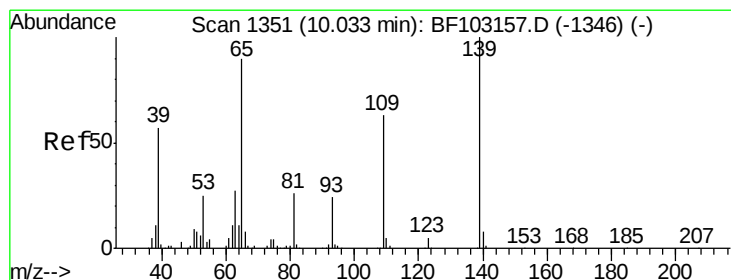
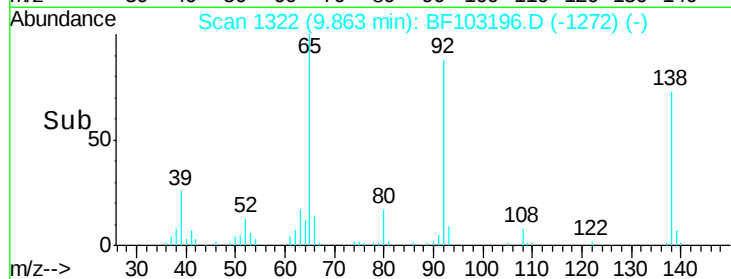
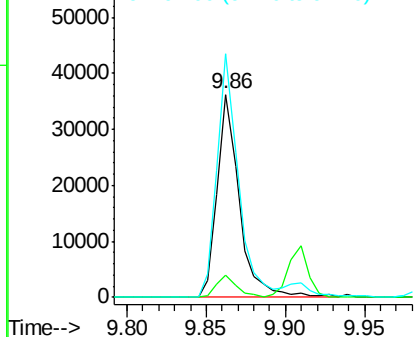
#52
 3-Nitroaniline
 Concen: 4.666 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF103196.D
 Acq: 23 Feb 2018 13:45

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

Tgt Ion:138 Resp: 35350
 Ion Ratio Lower Upper
 138 100
 108 10.7 9.4 14.0
 92 119.9 89.4 134.2

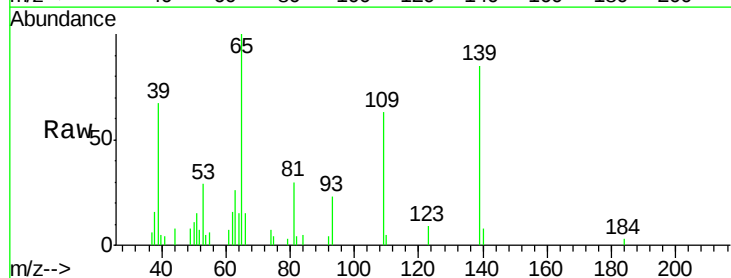


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

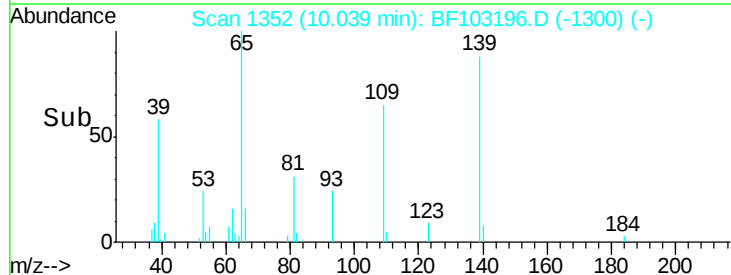
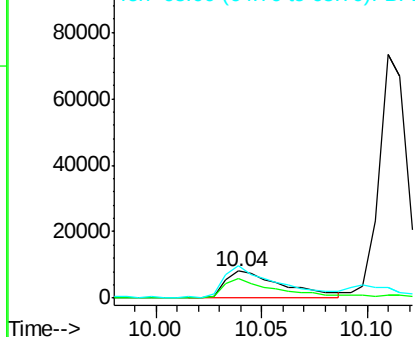


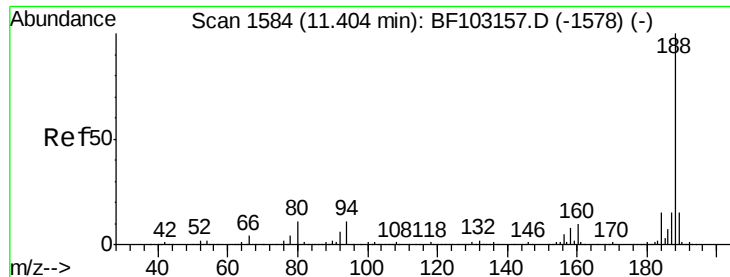
#55
 4-Nitrophenol
 Concen: 3.321 ng
 RT: 10.04 min Scan# 1352
 Delta R.T. 0.01 min
 Lab File: BF103196.D
 Acq: 23 Feb 2018 13:45

Tgt Ion:139 Resp: 15592
 Ion Ratio Lower Upper
 139 100
 109 73.5 48.4 88.4
 65 117.3 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): BF1

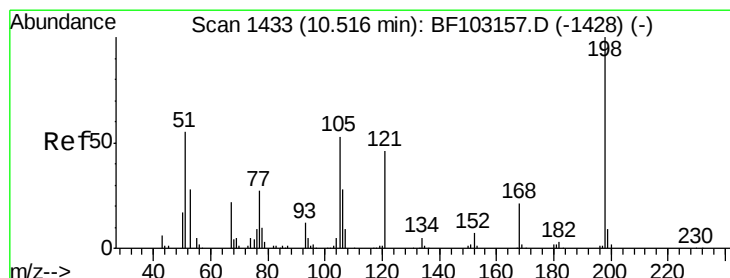
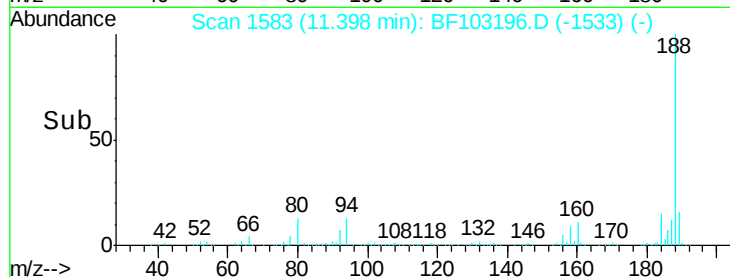
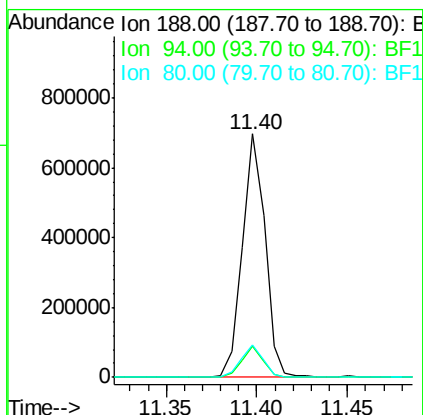
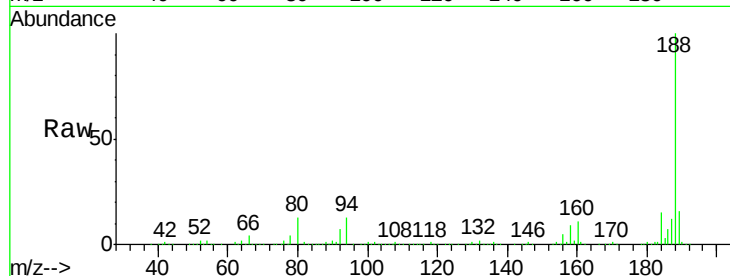




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

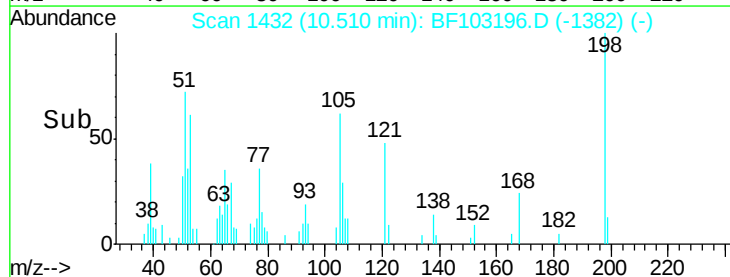
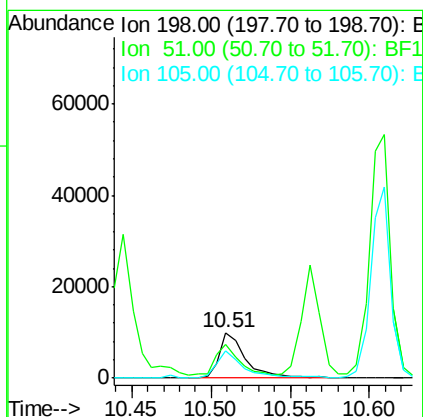
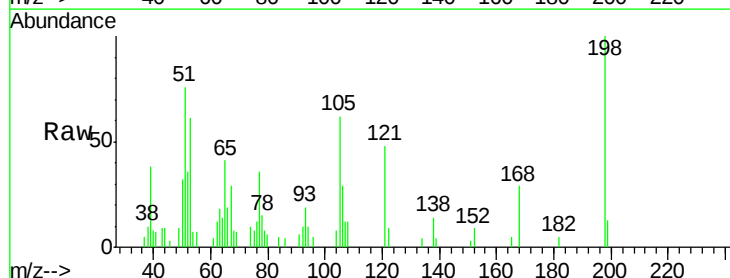
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

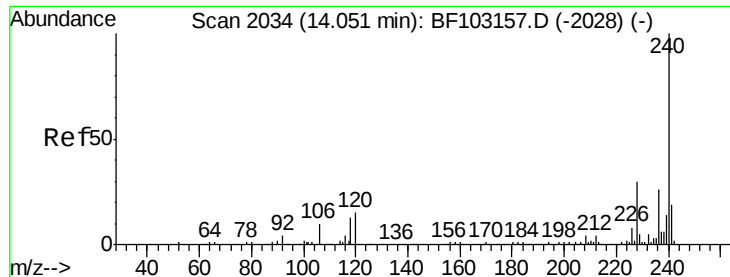
Tgt Ion:188 Resp: 610832
Ion Ratio Lower Upper
188 100
94 12.7 8.5 12.7#
80 13.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.699 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

Tgt Ion:198 Resp: 11411
Ion Ratio Lower Upper
198 100
51 75.5 37.7 77.7
105 61.5 36.3 76.3

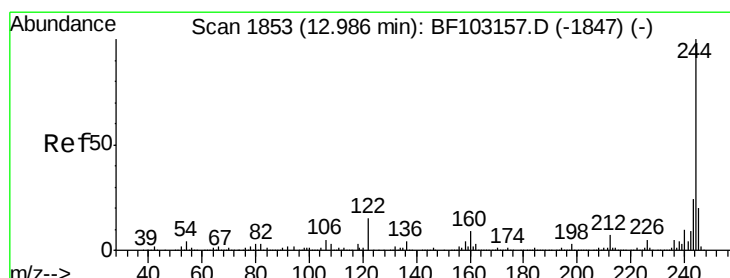
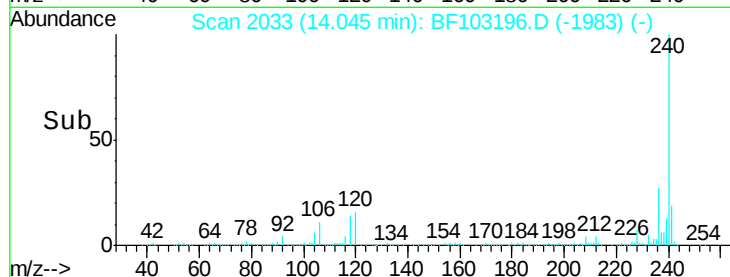
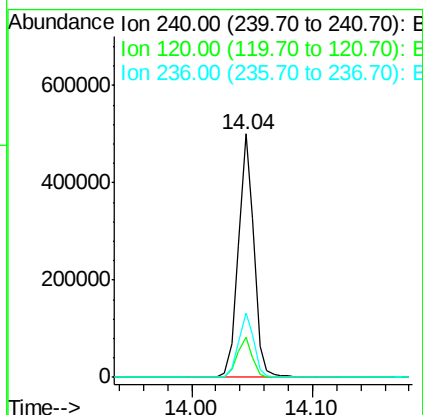
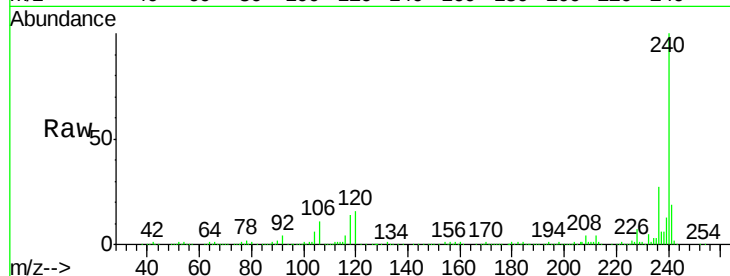




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

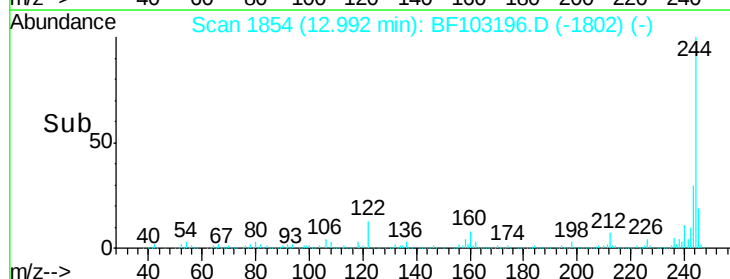
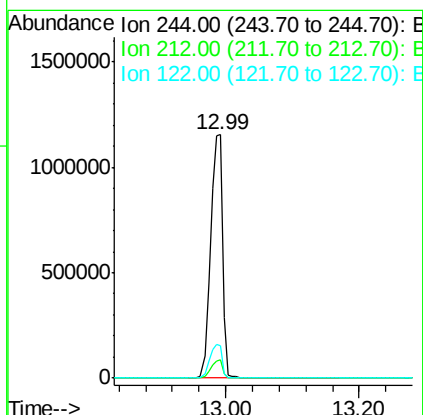
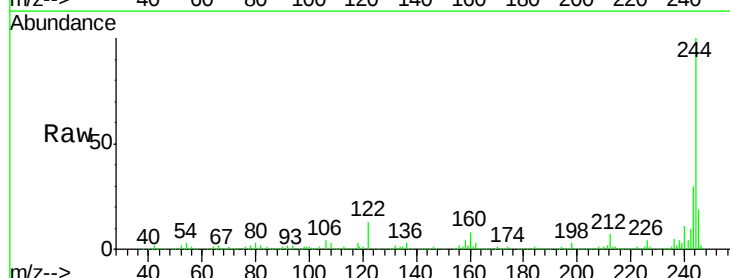
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT1-2018

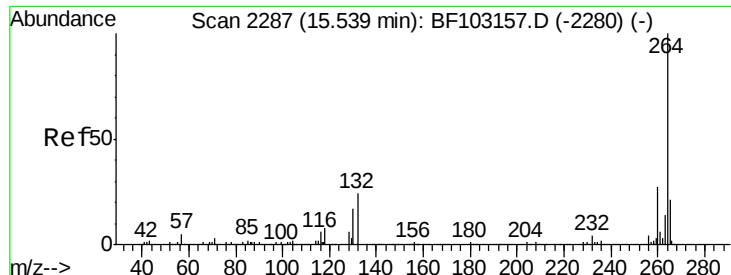
Tgt Ion:240 Resp: 453083
Ion Ratio Lower Upper
240 100
120 16.2 9.5 14.3#
236 26.7 20.7 31.1



#78
Terphenyl-d14
Concen: 77.104 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.01 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

Tgt Ion:244 Resp: 1453266
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.0
122 13.1 11.0 16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.00 min
Lab File: BF103196.D
Acq: 23 Feb 2018 13:45

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

Tgt Ion: 264 Resp: 438017
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.5 17.5 26.3

