

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050818\
 Data File : BF105163.D
 Acq On : 8 May 2018 23:52
 Operator : JU/SJ
 Sample : J2133-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: May 09 09:25:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 08 16:33:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	204046	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	809182	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	405248	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	800384	20.00	ng	0.00
75) Chrysene-d12	14.00	240	681280	20.00	ng	-0.02
86) Perylene-d12	15.54	264	612524	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1533916	123.85	ng	0.00
7) Phenol-d6	6.42	99	1863489	126.36	ng	0.00
23) Nitrobenzene-d5	7.36	82	1128178	94.49	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	603735	135.03	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	2045698	78.35	ng	0.00
78) Terphenyl-d14	12.91	244	2227687	75.95	ng	0.00

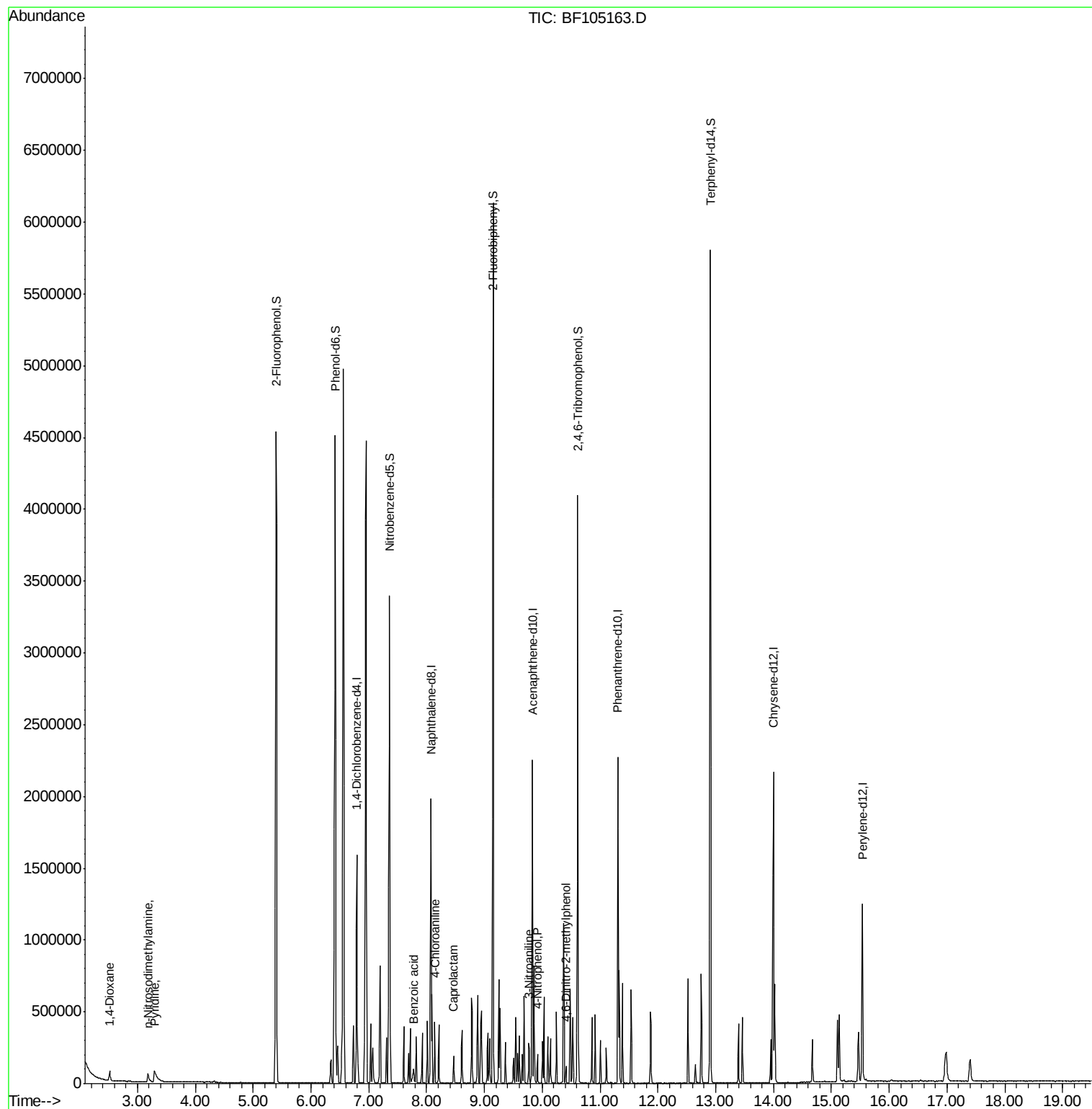
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.52	88	32511	4.965	ng	94
3) Pyridine	3.29	79	85486	4.868	ng	# 87
4) n-Nitrosodimethylamine	3.18	42	36984	4.155	ng	# 86
32) Benzoic acid	7.77	122	27883	12.980	ng	97
33) 4-Chloroaniline	8.14	127	89059	5.497	ng	98
35) Caprolactam	8.47	113	16259	4.823	ng	# 79
52) 3-Nitroaniline	9.77	138	34774	5.546	ng	91
55) 4-Nitrophenol	9.92	139	23381	8.221	ng	91
64) 4,6-Dinitro-2-methylphenol	10.41	198	13353	13.307	ng	87

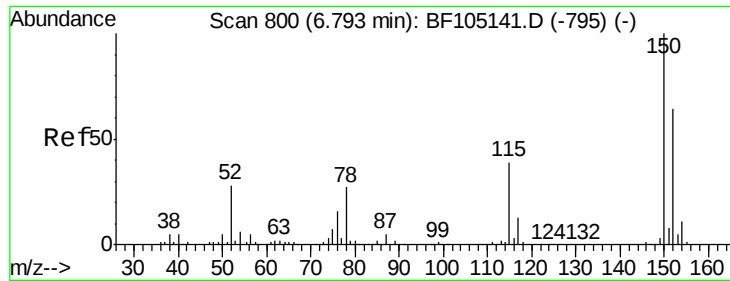
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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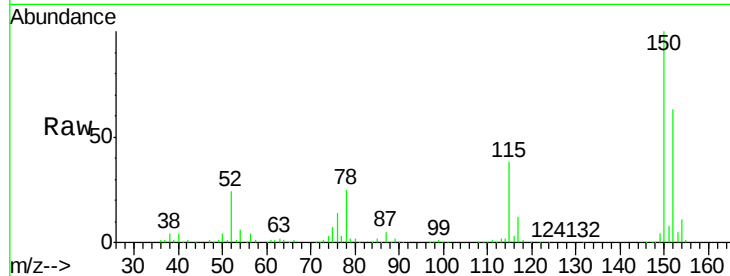


#1

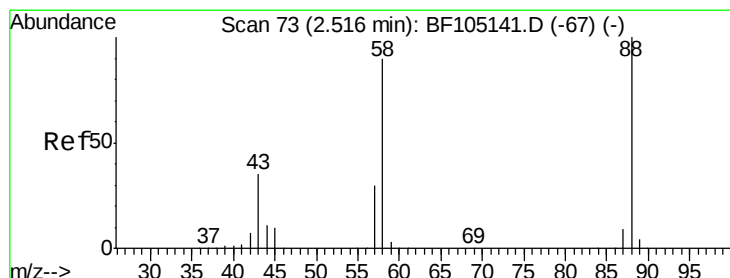
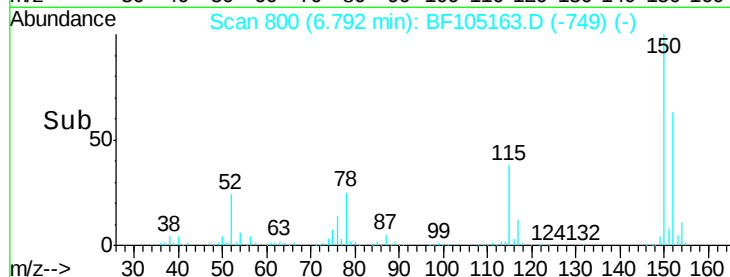
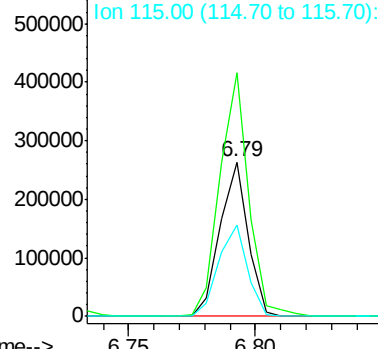
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF105163.D
Acq: 8 May 2018 23:52

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

Tot Ion:152 Resp: 204046
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 59.2 50.1 75.1



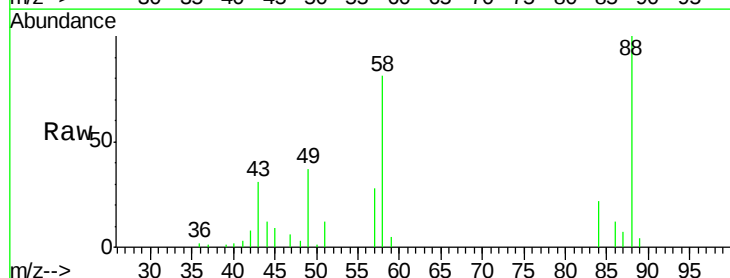
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



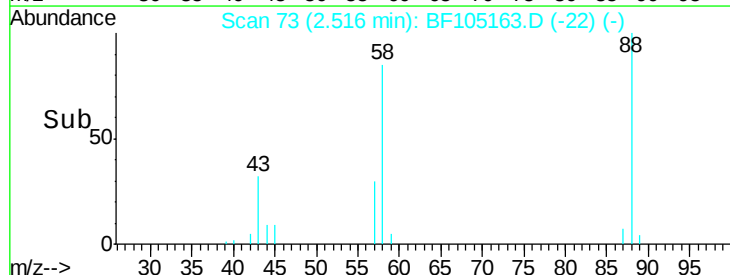
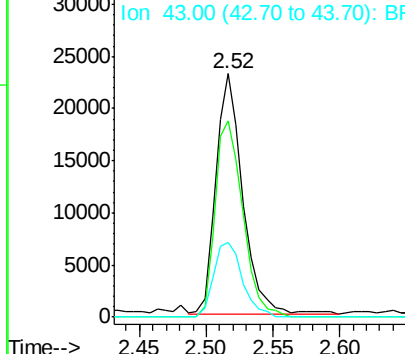
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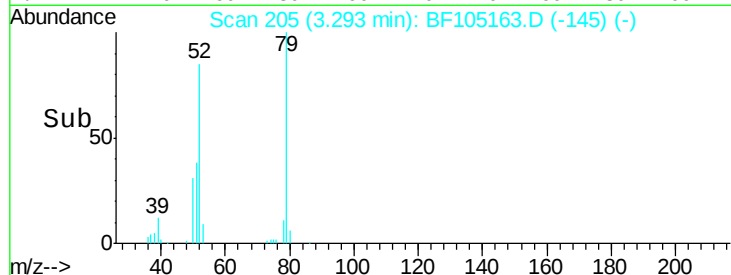
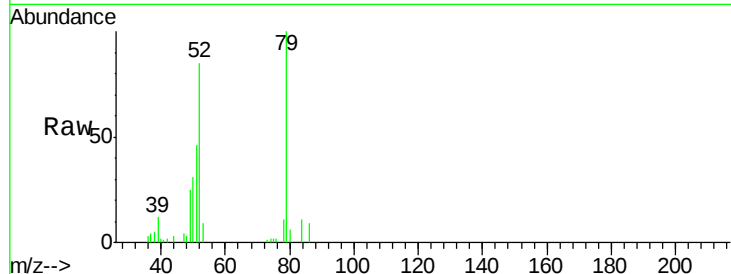
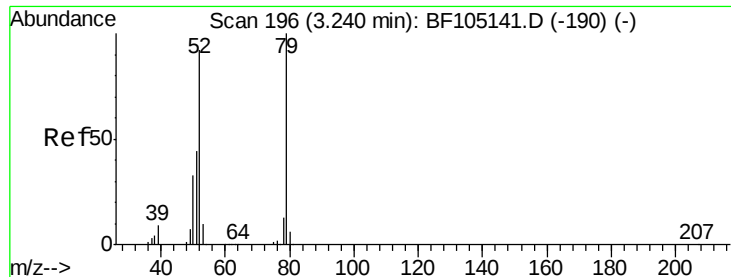
1,4-Dioxane
Concen: 4.965 ng
RT: 2.52 min Scan# 73
Delta R.T. -0.00 min
Lab File: BF105163.D
Acq: 8 May 2018 23:52

Tgt Ion: 88 Resp: 32511
Ion Ratio Lower Upper
88 100
58 84.5 62.6 93.8
43 33.4 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

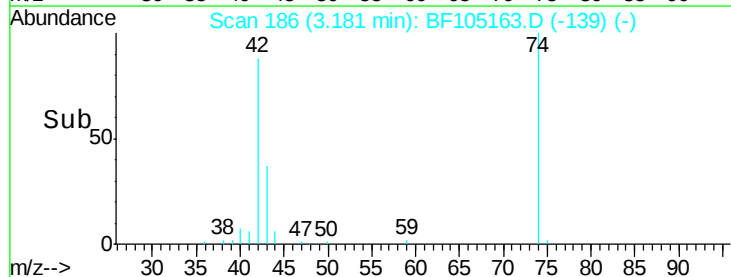
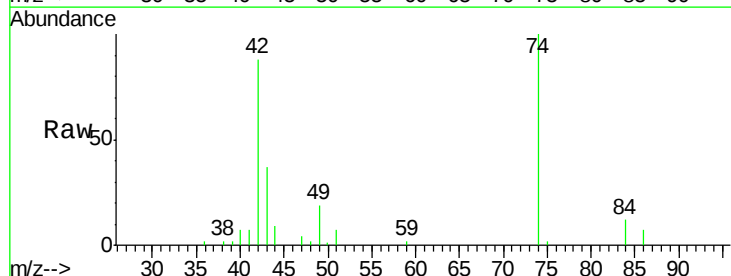
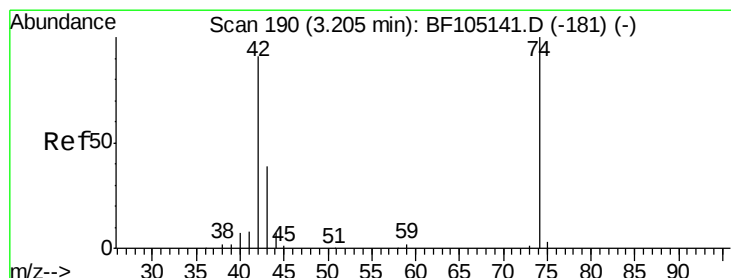
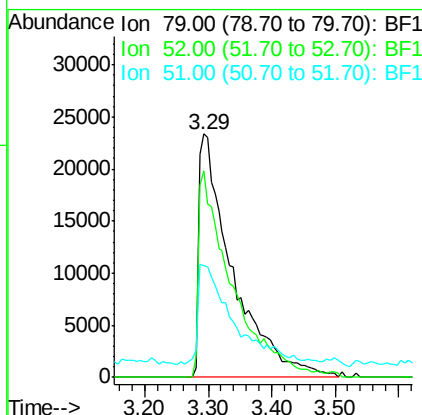




#3
 Pvridine
 Concen: 4.868 ng
 RT: 3.29 min Scan# 205
 Delta R.T. 0.05 min
 Lab File: BF105163.D
 Acq: 8 May 2018 23:52

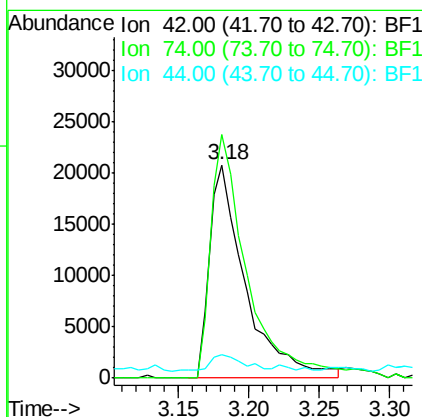
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

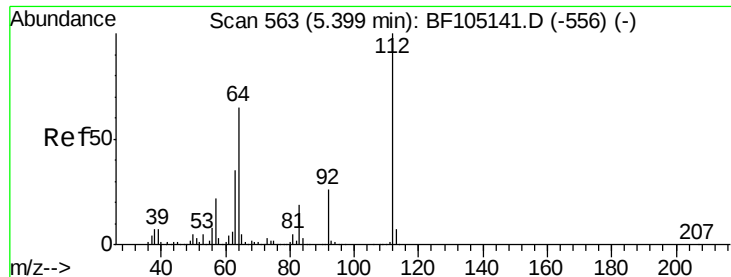
Tot Ion: 79 Resp: 85486
 Ion Ratio Lower Upper
 79 100
 52 85.0 59.8 89.6
 51 46.0 29.8 44.8#



#4
 n-Nitrosodimethylamine
 Concen: 4.155 ng
 RT: 3.18 min Scan# 186
 Delta R.T. -0.02 min
 Lab File: BF105163.D
 Acq: 8 May 2018 23:52

Tgt Ion: 42 Resp: 36984
 Ion Ratio Lower Upper
 42 100
 74 114.0 104.9 157.3
 44 10.8 6.9 10.3#





#5

2-Fluorophenol

Concen: 123.846 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.00 min

Lab File: BF105163.D

Acq: 8 May 2018 23:52

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

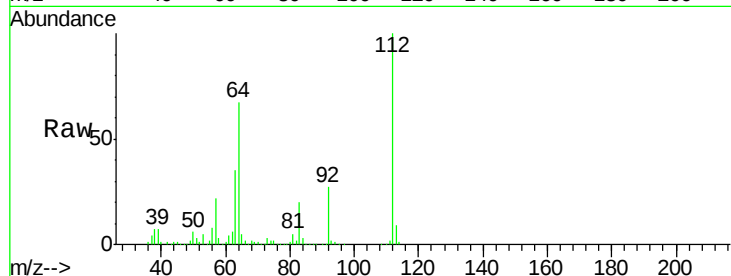
Tot Ion:112 Resp: 1533916

Ion Ratio Lower Upper

112 100

64 67.4 47.9 71.9

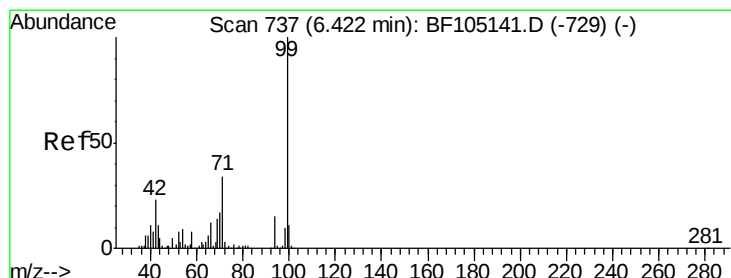
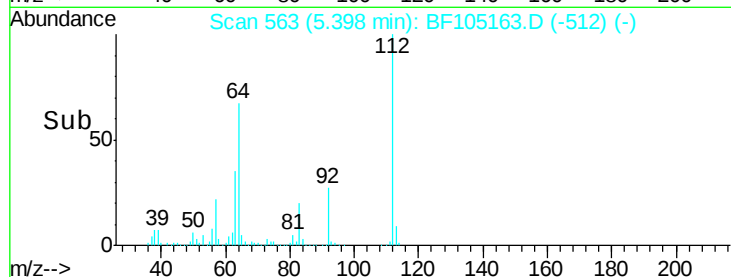
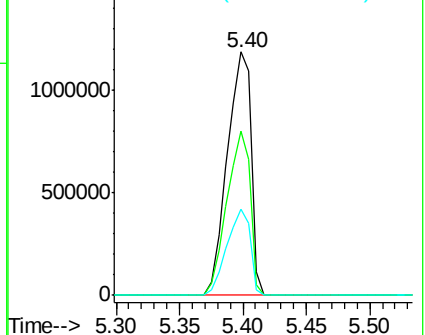
63 35.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 126.358 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF105163.D

Acq: 8 May 2018 23:52

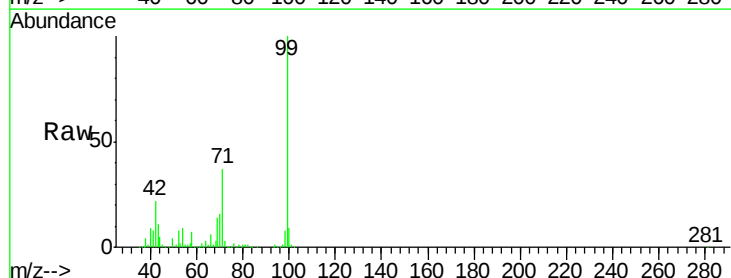
Tgt Ion: 99 Resp: 1863489

Ion Ratio Lower Upper

99 100

42 22.3 14.5 21.7#

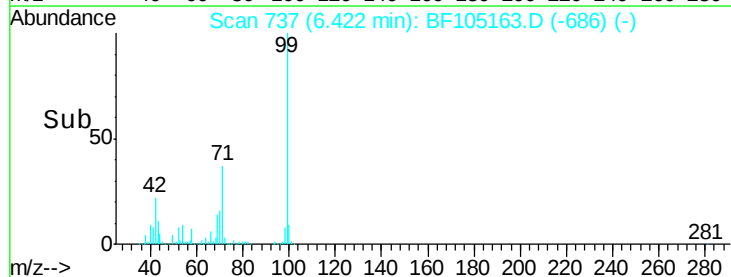
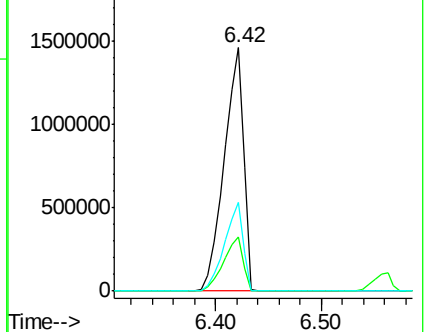
71 36.7 25.4 38.0

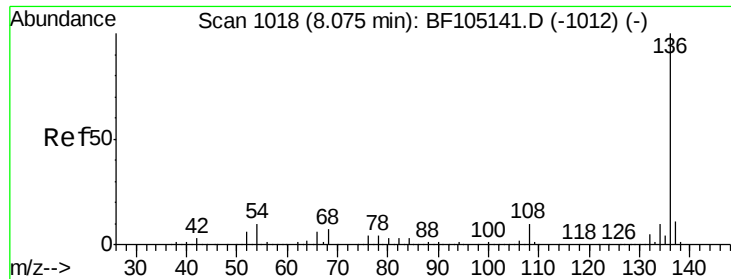


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

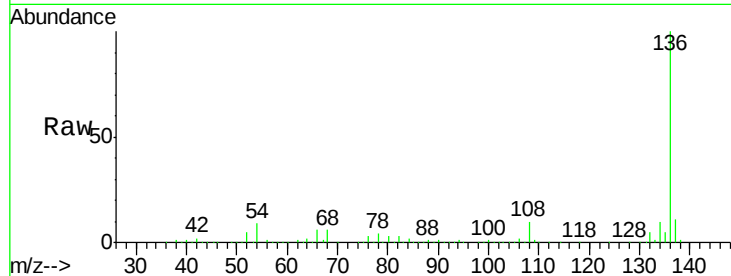




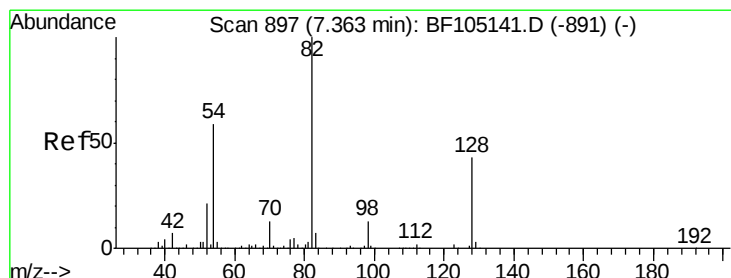
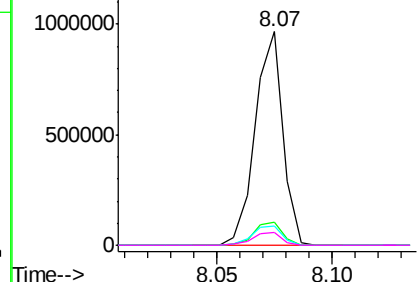
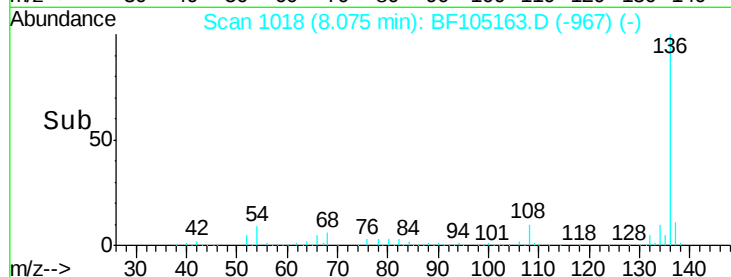
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105163.D
Acq: 8 May 2018 23:52

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

Tot Ion:136	Resp:	809182
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	9.1	6.6 9.8
68	6.1	5.0 7.4

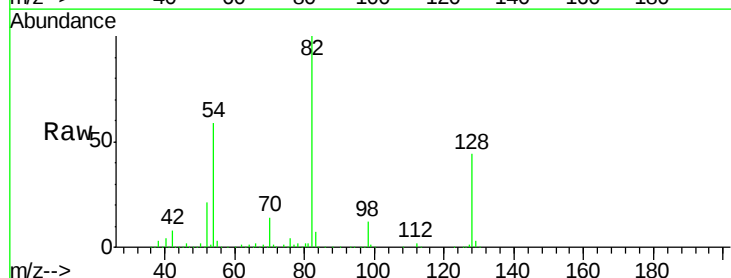


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

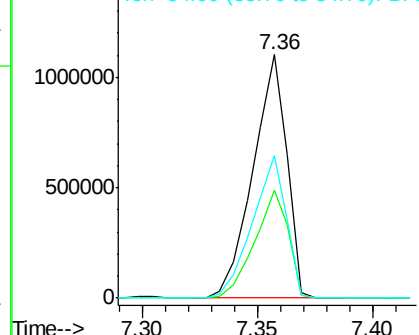
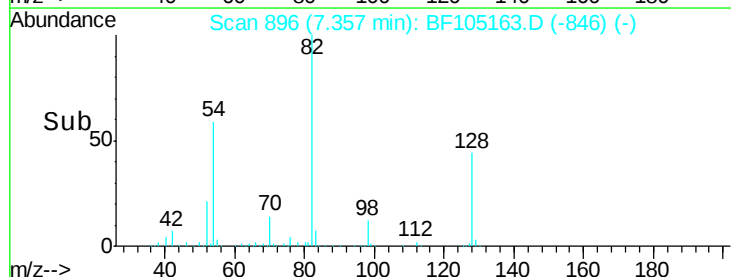


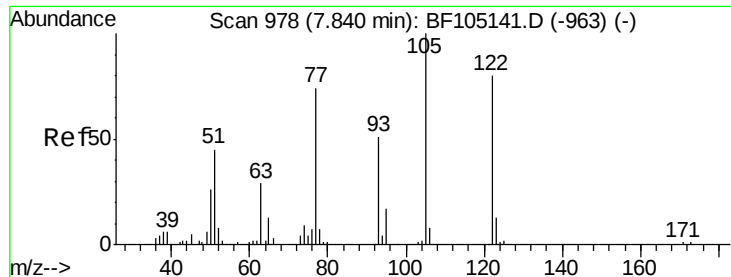
#23
Nitrobenzene-d5
Concen: 94.491 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105163.D
Acq: 8 May 2018 23:52

Tgt Ion: 82	Resp:	1128178
Ion Ratio	Lower	Upper
82	100	
128	44.3	36.1 54.1
54	58.7	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

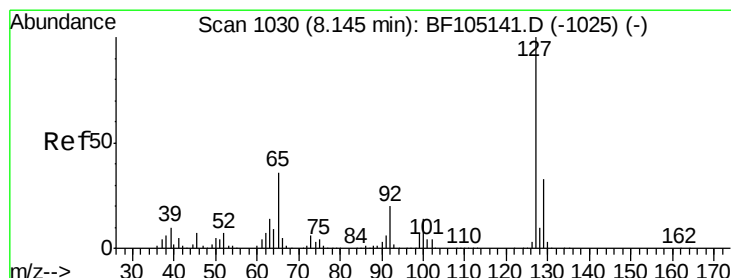
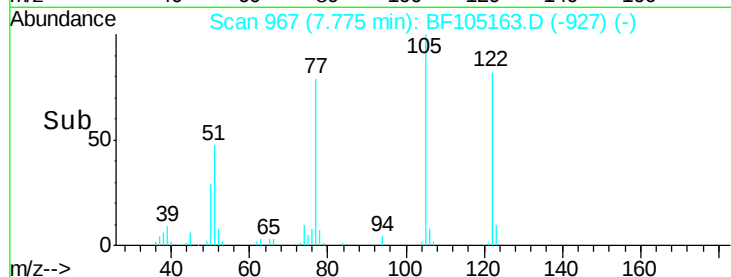
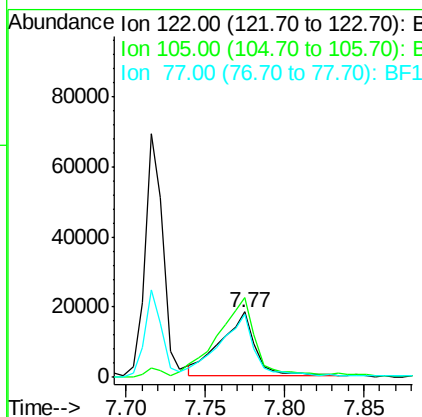
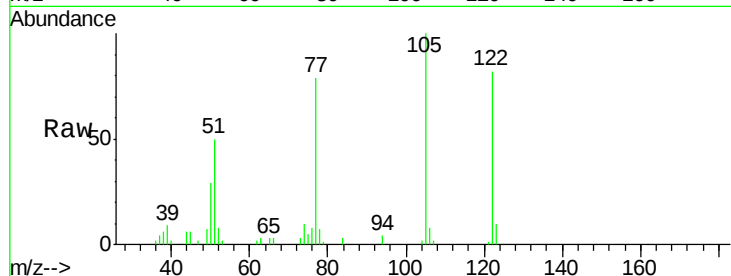




#32
Benzoic acid
Concen: 12.980 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.06 min
Lab File: BF105163.D
Acq: 8 May 2018 23:52

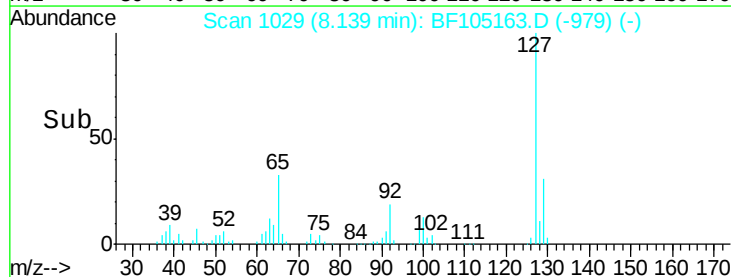
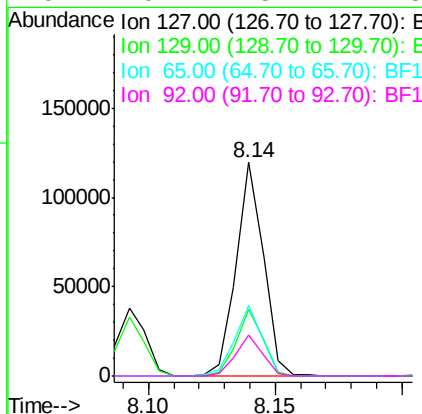
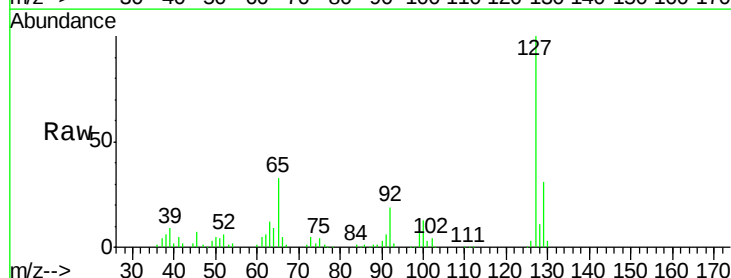
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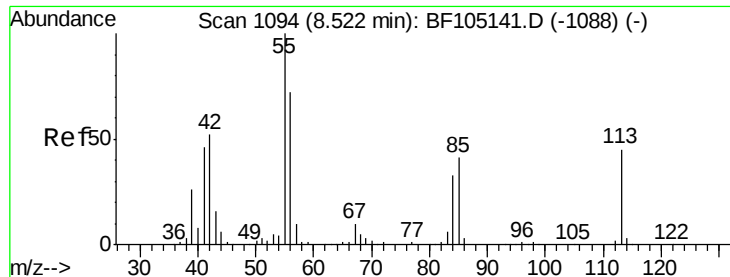
Tot Ion:122 Resp: 27883
Ion Ratio Lower Upper
122 100
105 122.2 101.1 141.1
77 96.4 70.7 110.7



#33
4-Chloroaniline
Concen: 5.497 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF105163.D
Acq: 8 May 2018 23:52

Tgt Ion:127 Resp: 89059
Ion Ratio Lower Upper
127 100
129 31.2 25.9 38.9
65 33.2 25.0 37.4
92 19.1 15.2 22.8

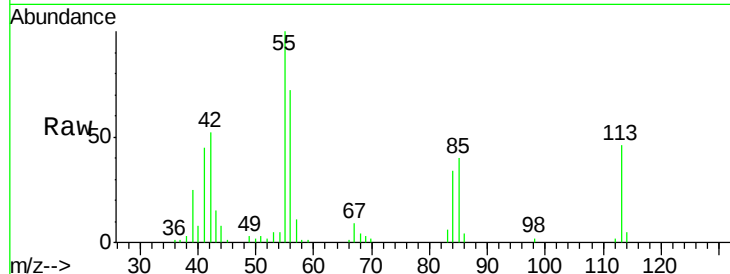




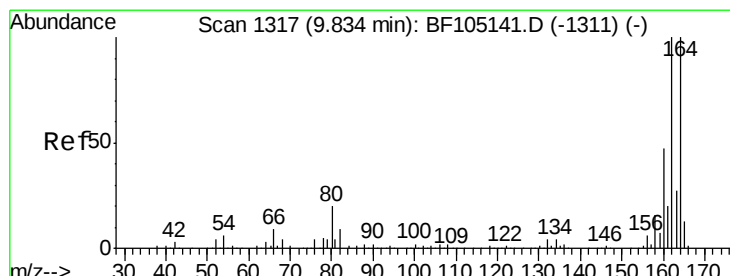
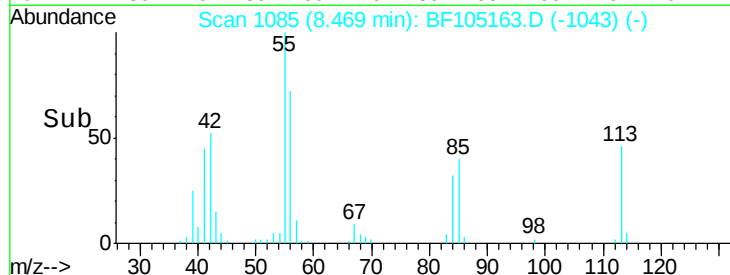
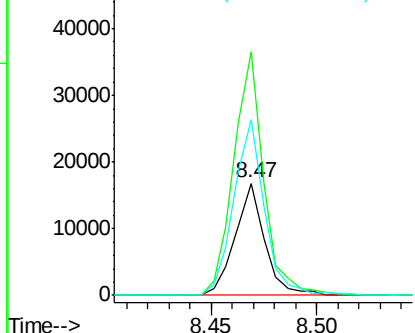
#35
 Caprolactam
 Concen: 4.823 ng
 RT: 8.47 min Scan# 1085
 Delta R.T. -0.05 min
 Lab File: BF105163.D
 Acq: 8 May 2018 23:52

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

Tot Ion:113 Resp: 16259
 Ion Ratio Lower Upper
 113 100
 55 216.9 163.3 203.3#
 56 156.9 115.7 155.7#

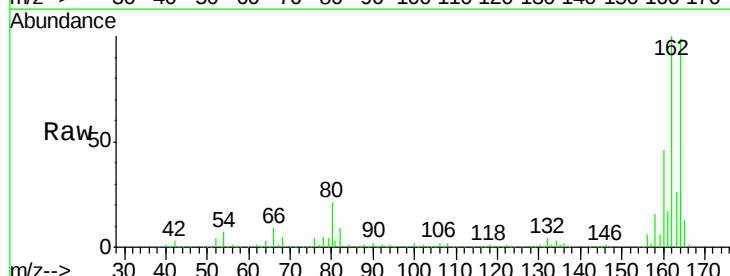


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

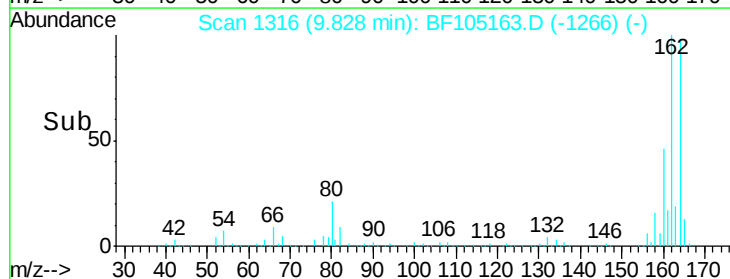
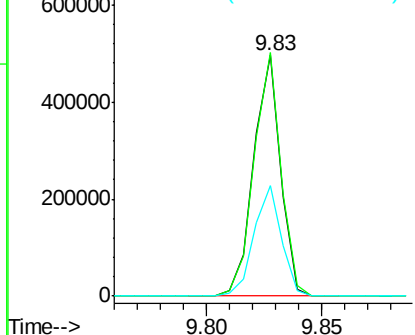


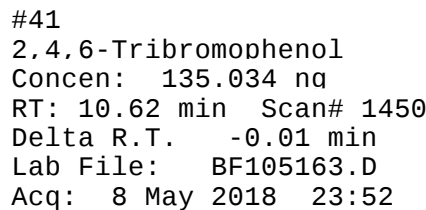
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF105163.D
 Acq: 8 May 2018 23:52

Tgt Ion:164 Resp: 405248
 Ion Ratio Lower Upper
 164 100
 162 101.2 86.1 129.1
 160 46.1 38.3 57.5



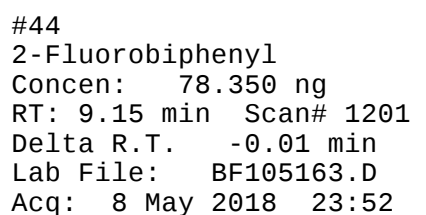
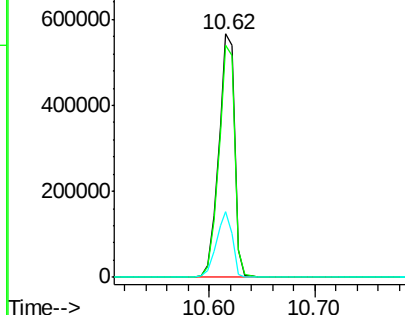
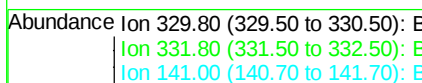
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



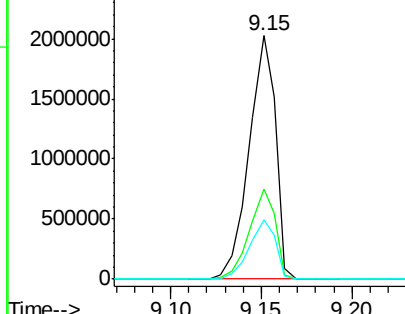
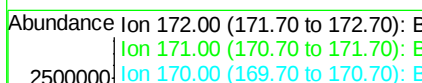


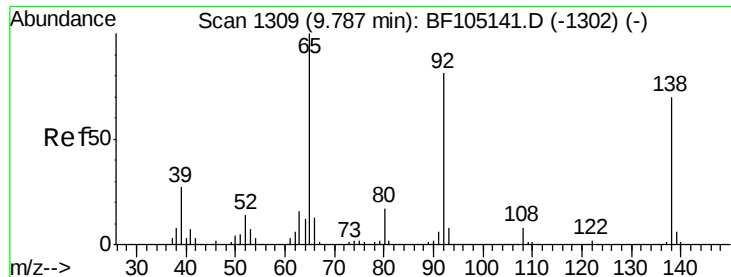
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-OT2-2018

Tot	Ion:330	Resp:	603735
Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	27.3	29.9	44.9#



Tgt	Ion:172	Resp:	2045698
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.6	19.6	29.4

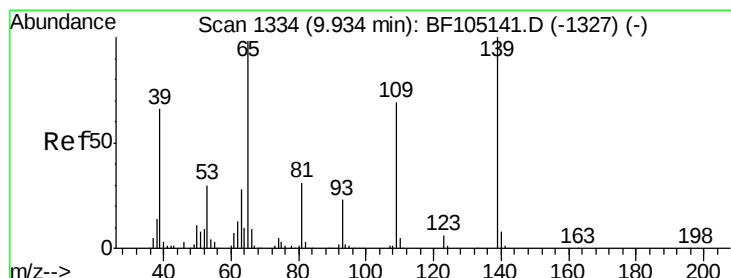
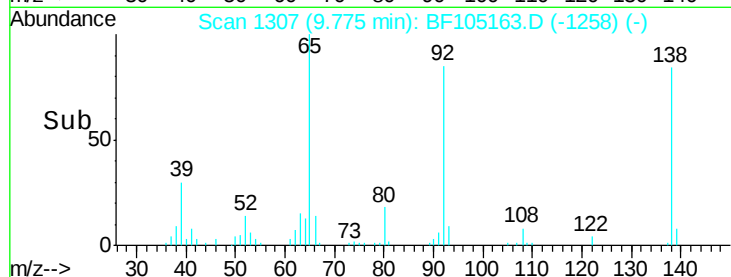
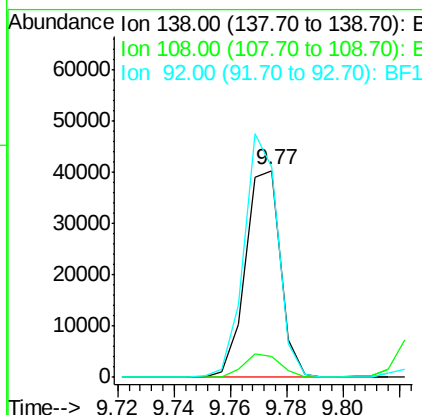
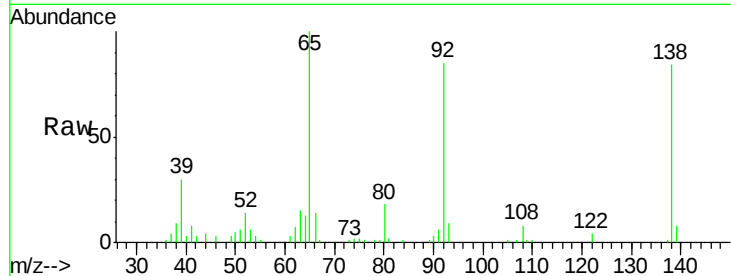




#52
 3-Nitroaniline
 Concen: 5.546 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF105163.D
 Acq: 8 May 2018 23:52

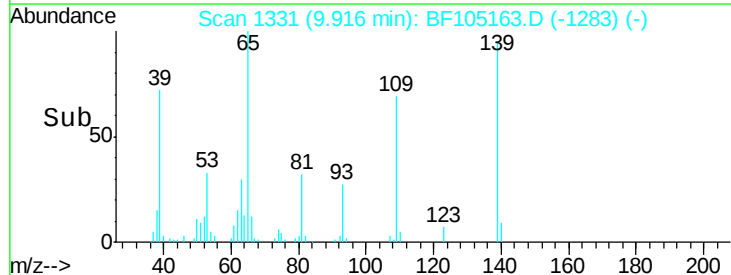
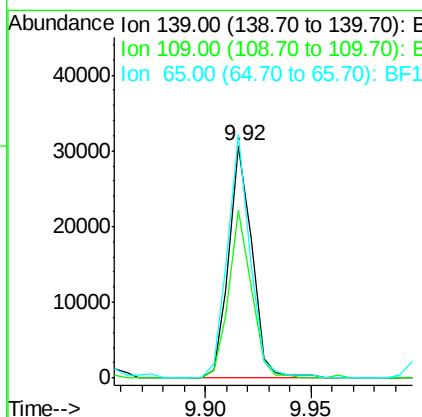
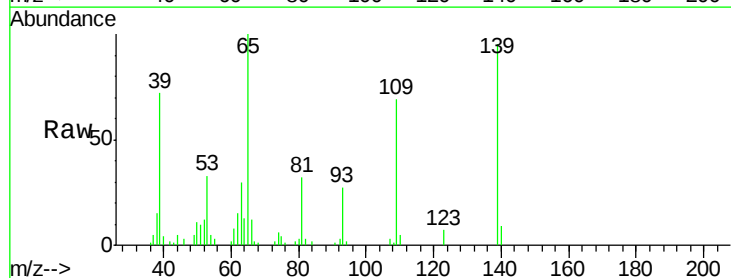
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

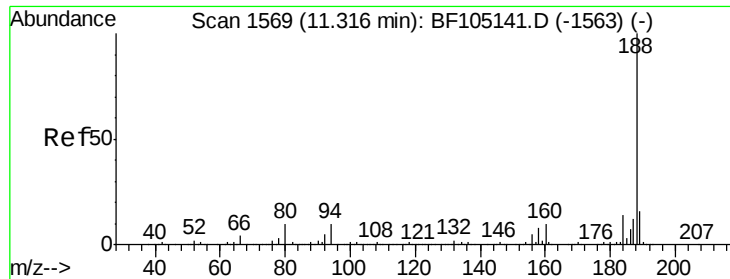
Tot Ion:138 Resp: 34774
 Ion Ratio Lower Upper
 138 100
 108 10.1 9.4 14.0
 92 101.6 89.4 134.2



#55
 4-Nitrophenol
 Concen: 8.221 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.02 min
 Lab File: BF105163.D
 Acq: 8 May 2018 23:52

Tgt Ion:139 Resp: 23381
 Ion Ratio Lower Upper
 139 100
 109 72.2 48.4 88.4
 65 104.8 72.6 112.6

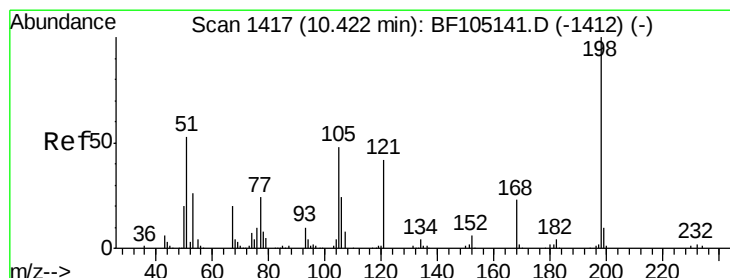
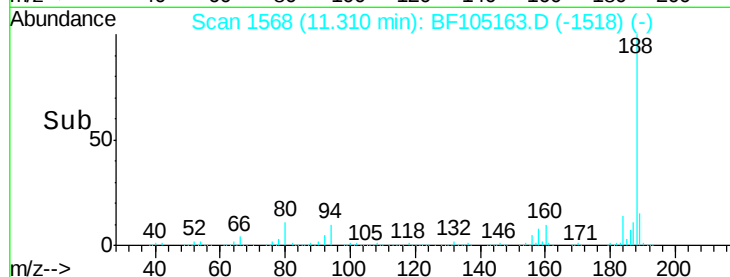
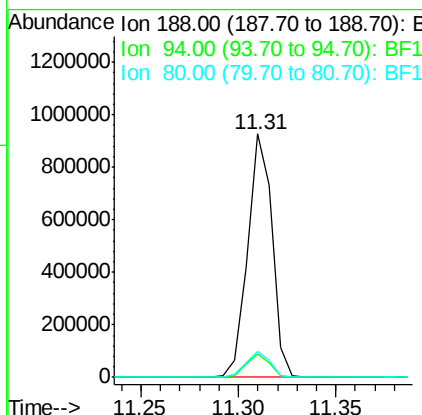
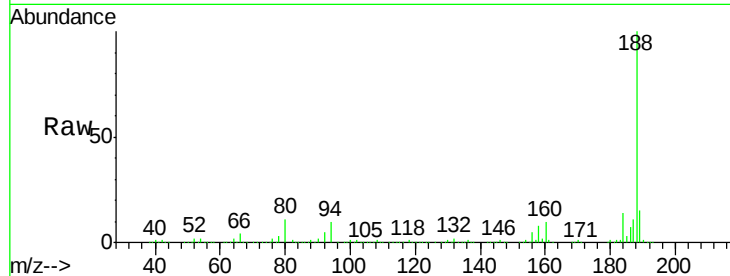




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF105163.D
Acq: 8 May 2018 23:52

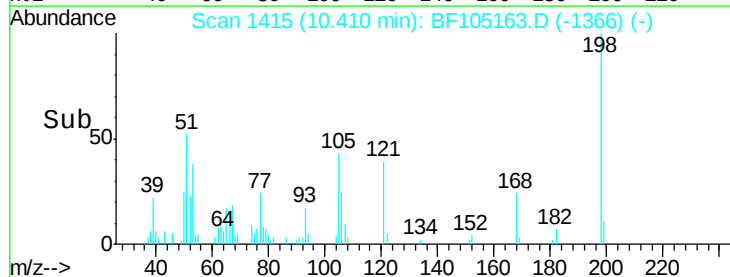
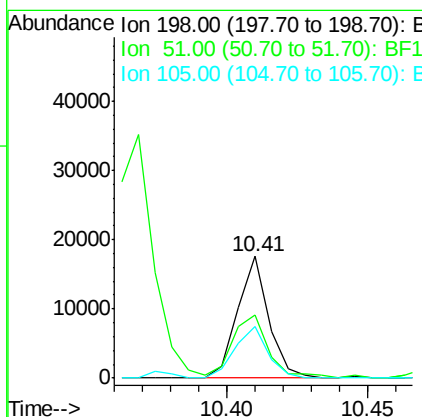
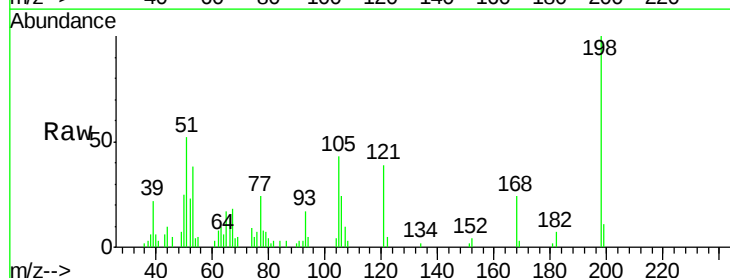
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

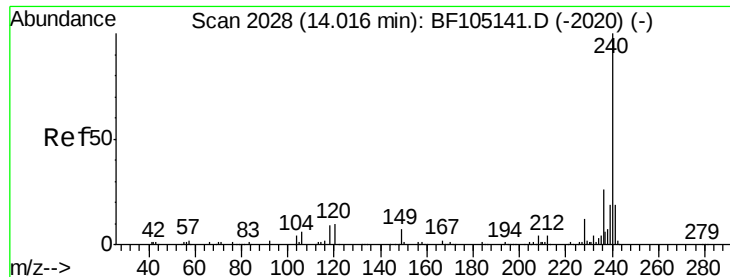
Tot Ion:188 Resp: 800384
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.6 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 13.307 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF105163.D
Acq: 8 May 2018 23:52

Tgt Ion:198 Resp: 13353
Ion Ratio Lower Upper
198 100
51 51.9 37.7 77.7
105 42.9 36.3 76.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF105163.D

Acq: 8 May 2018 23:52

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

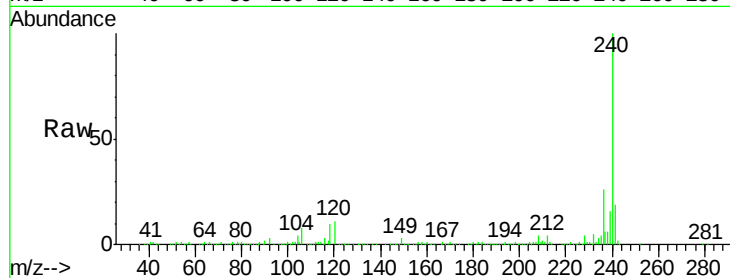
Tot Ion:240 Resp: 681280

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

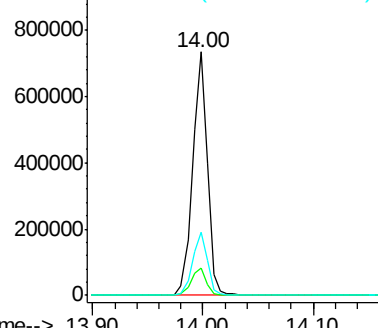
236 25.8 20.7 31.1



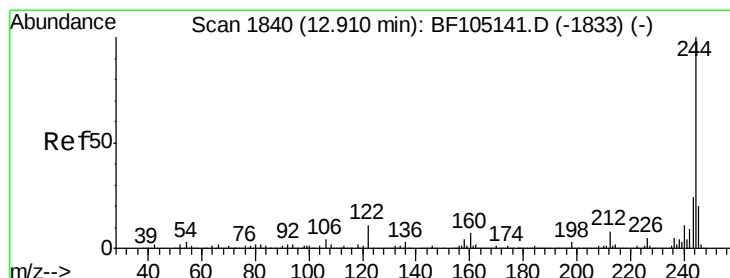
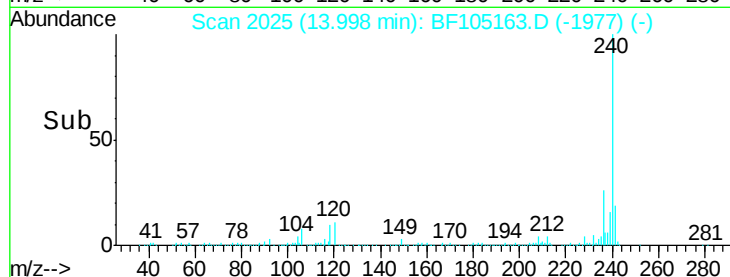
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 14.00 14.10



#78

Terphenyl-d14

Concen: 75.954 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF105163.D

Acq: 8 May 2018 23:52

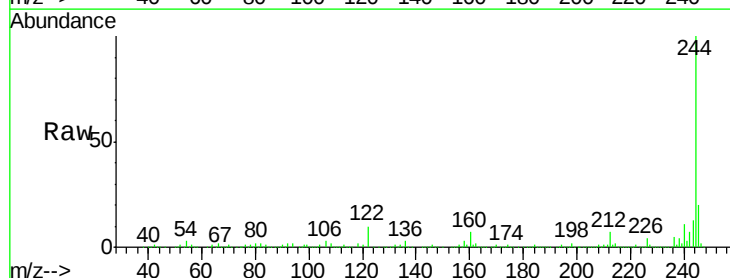
Tgt Ion:244 Resp: 2227687

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

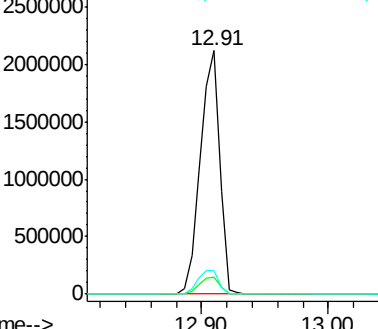
122 9.9 11.0 16.4#



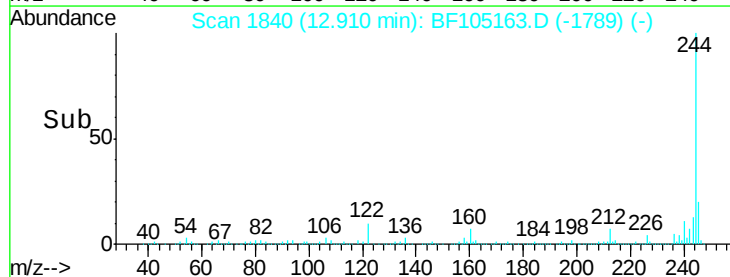
Abundance Ion 244.00 (243.70 to 244.70): E

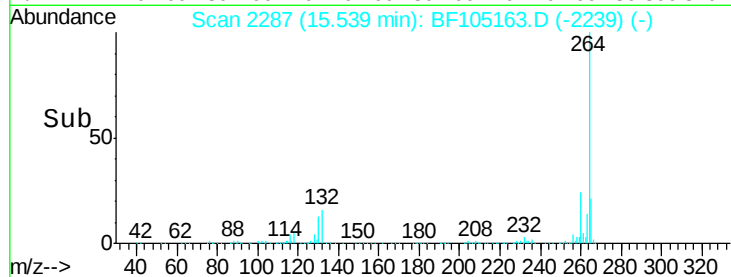
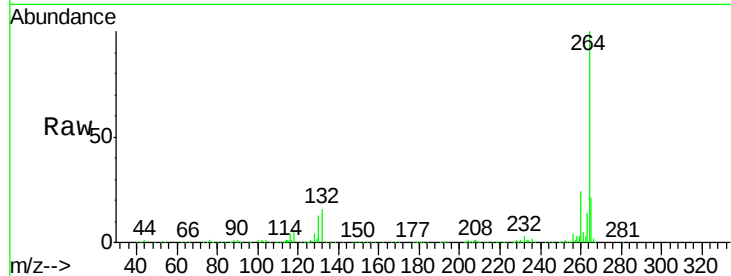
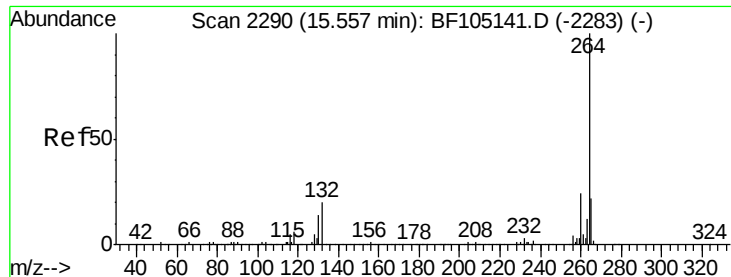
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. -0.02 min

Lab File: BF105163.D

Acq: 8 May 2018 23:52

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

Tot Ion:264 Resp: 612524

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.1 17.5 26.3

