

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071317\
 Data File : BM010810.D
 Acq On : 13 Jul 2017 13:42
 Operator : SJ/JU
 Sample : I3757-05
 Misc : 5PPM LOD
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER-05-QT3-2017

Quant Time: Jul 13 16:10:38 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 12 14:21:16 2017
 Response via : Initial Calibration

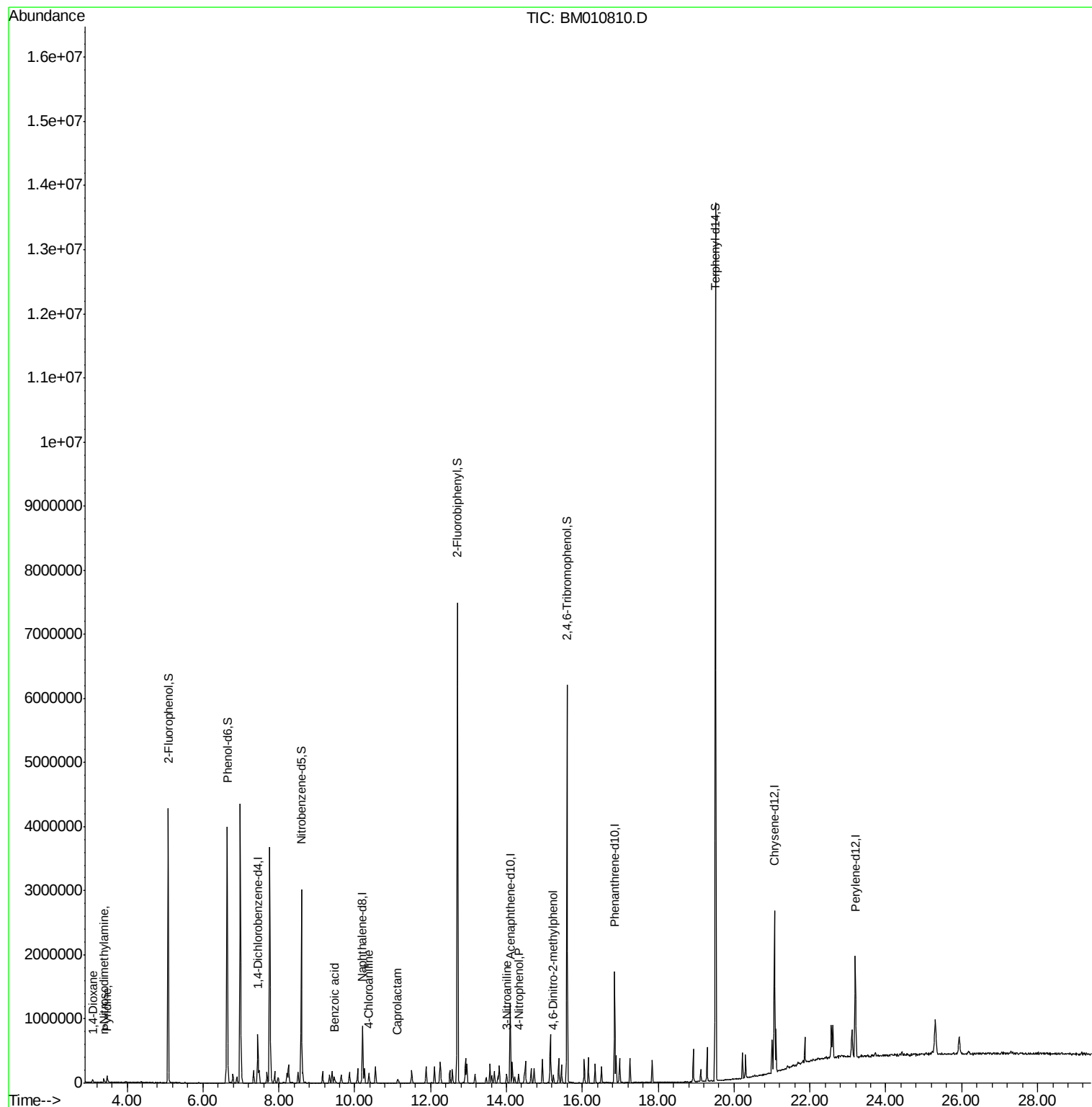
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	149260	20.00	ng	0.00
21) Naphthalene-d8	10.20	136	553836	20.00	ng	0.00
38) Acenaphthene-d10	14.10	164	350454	20.00	ng	0.00
63) Phenanthrene-d10	16.85	188	903643	20.00	ng	0.00
75) Chrysene-d12	21.07	240	1118287	20.00	ng	0.00
86) Perylene-d12	23.20	264	1087253	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	1334155	148.06	ng	0.00
7) Phenol-d6	6.64	99	1749045	140.80	ng	0.00
23) Nitrobenzene-d5	8.59	82	1581719	109.78	ng	0.00
41) 2,4,6-Tribromophenol	15.60	330	868326	162.13	ng	0.00
44) 2-Fluorobiphenyl	12.71	172	3233773	114.79	ng	0.00
78) Terphenyl-d14	19.52	244	5458742	94.41	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.09	88	22155	5.572	ng	Qvalue # 100
3) Pyridine	3.47	79	51068	4.699	ng	# 93
4) n-Nitrosodimethylamine	3.39	42	25860	4.656	ng	# 56
32) Benzoic acid	9.46	122	29117	4.232	ng	# 80
33) 4-Chloroaniline	10.37	127	55033	4.851	ng	# 81
35) Caprolactam	11.13	113	11459	4.345	ng	# 78
52) 3-Nitroaniline	14.00	138	21652	4.073	ng	# 36
55) 4-Nitrophenol	14.33	139	21780	4.717	ng	# 28
64) 4,6-Dinitro-2-methylphenol	15.24	198	23373	3.922	ng	84

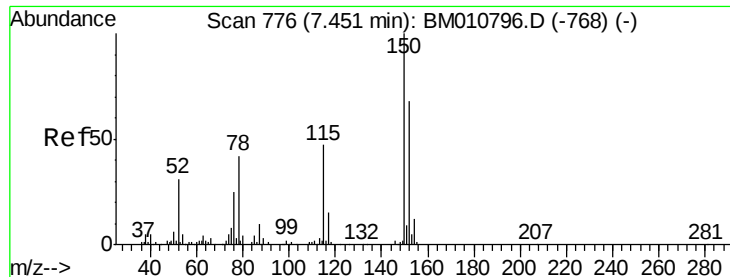
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration



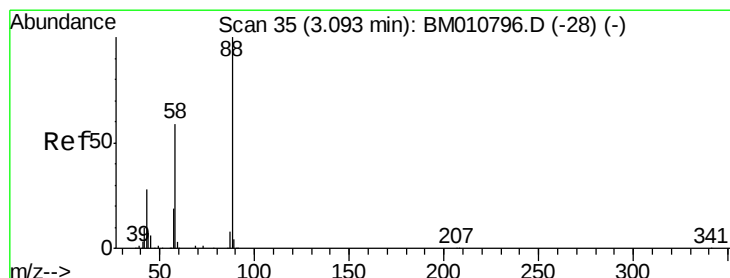
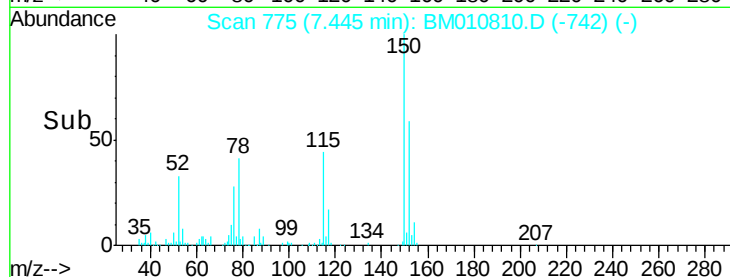
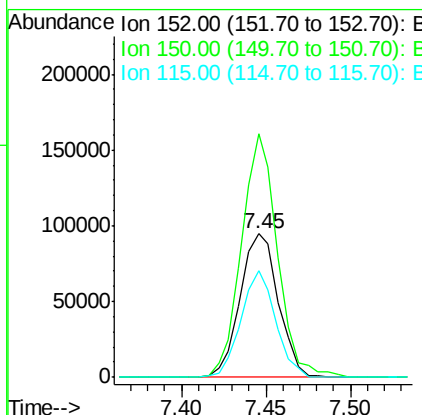
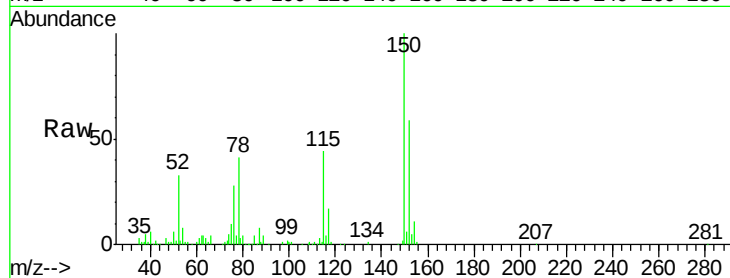


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. -0.01 min
Lab File: BM010810.D
Acq: 13 Jul 2017 13:42

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

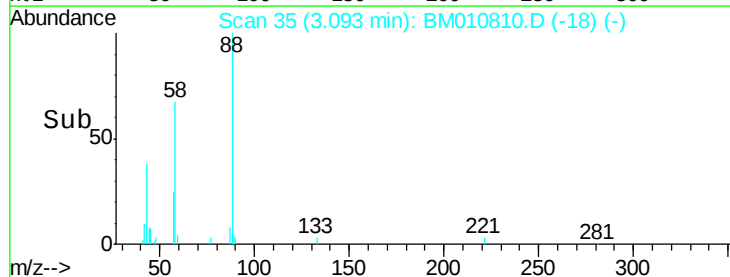
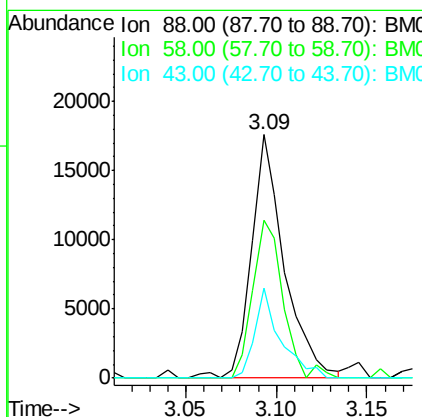
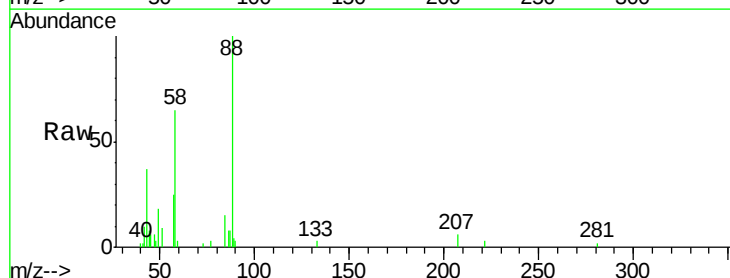
Tgt Ion:152 Resp: 149260
Ion Ratio Lower Upper
152 100
150 169.8 119.5 179.3
115 74.5 43.0 64.4#

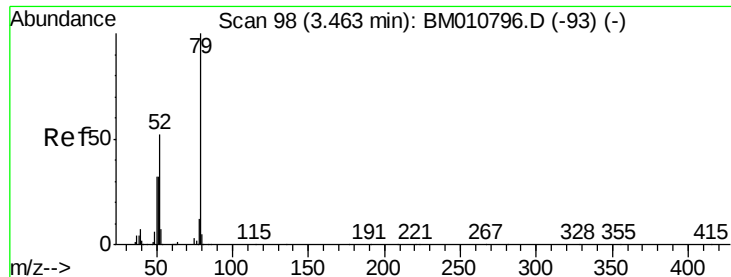


#2

1,4-Dioxane
Concen: 5.572 ng
RT: 3.09 min Scan# 35
Delta R.T. 0.00 min
Lab File: BM010810.D
Acq: 13 Jul 2017 13:42

Tgt Ion: 88 Resp: 22155
Ion Ratio Lower Upper
88 100
58 59.7 0.0 0.0#
43 29.0 0.0 0.0#





#3

Pyridine

Concen: 4.699 ng

RT: 3.47 min Scan# 99

Delta R.T. 0.01 min

Lab File: BM010810.D

Acq: 13 Jul 2017 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT3-2017

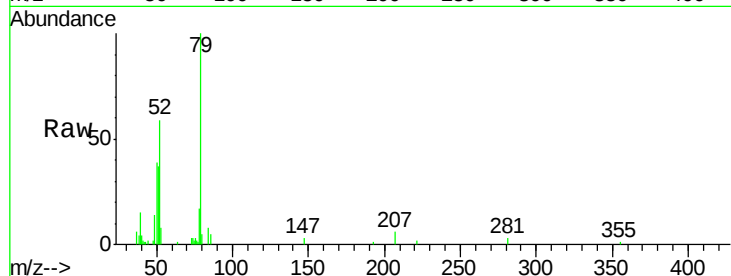
Tgt Ion: 79 Resp: 51068

Ion Ratio Lower Upper

79 100

52 59.2 51.1 76.7

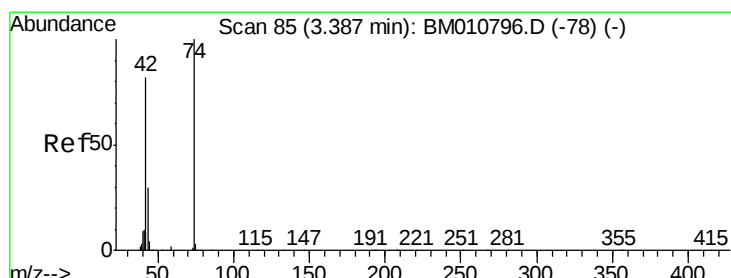
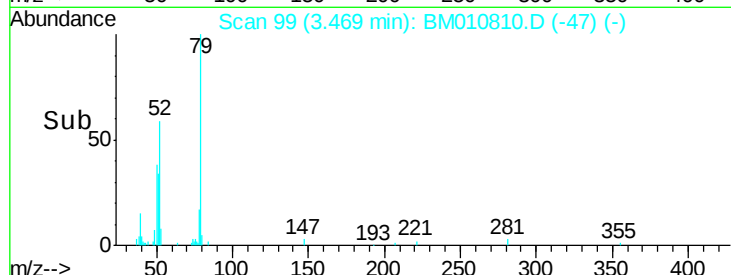
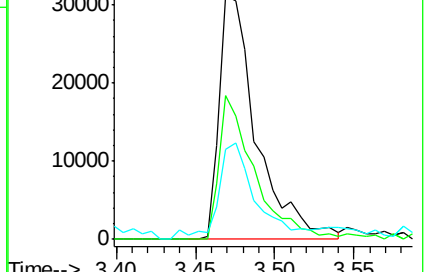
51 37.0 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BM010796.D (-93) (-)

Ion 52.00 (51.70 to 52.70): BM010796.D (-93) (-)

Ion 51.00 (50.70 to 51.70): BM010796.D (-93) (-)



#4

n-Nitrosodimethylamine

Concen: 4.656 ng

RT: 3.39 min Scan# 86

Delta R.T. 0.01 min

Lab File: BM010810.D

Acq: 13 Jul 2017 13:42

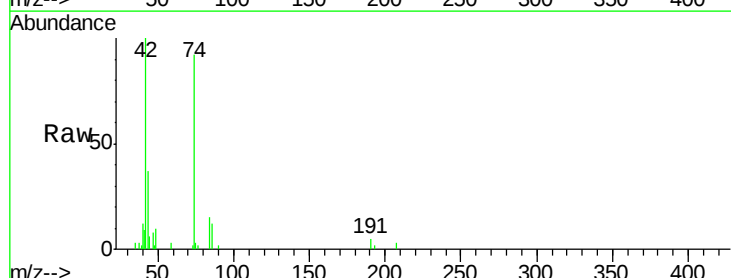
Tgt Ion: 42 Resp: 25860

Ion Ratio Lower Upper

42 100

74 91.6 119.3 178.9#

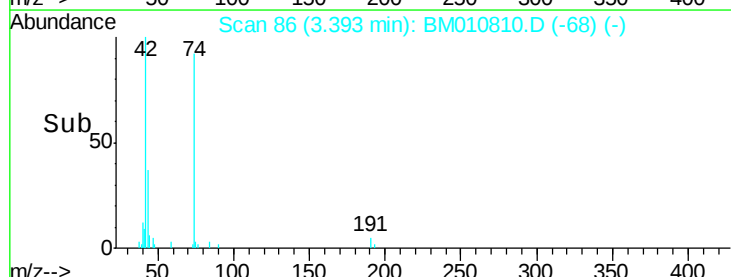
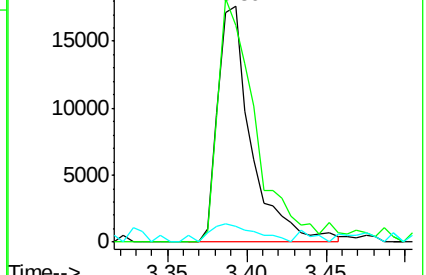
44 6.4 5.4 8.2

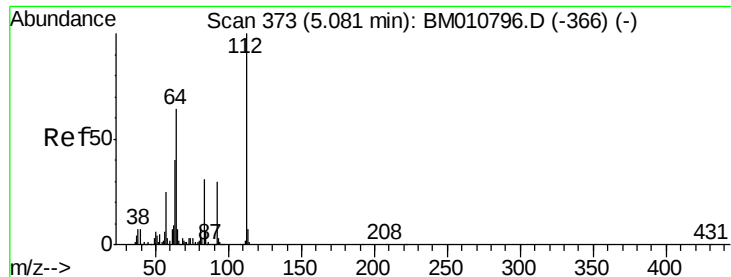


Abundance Ion 42.00 (41.70 to 42.70): BM010796.D (-78) (-)

Ion 74.00 (73.70 to 74.70): BM010796.D (-78) (-)

Ion 44.00 (43.70 to 44.70): BM010796.D (-78) (-)





#5

2-Fluorophenol

Concen: 148.065 ng

RT: 5.08 min Scan# 373

Delta R.T. 0.00 min

Lab File: BM010810.D

Acq: 13 Jul 2017 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT3-2017

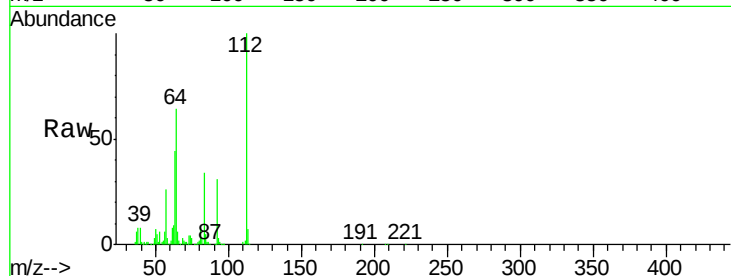
Tgt Ion:112 Resp: 1334155

Ion Ratio Lower Upper

112 100

64 64.3 38.6 57.8#

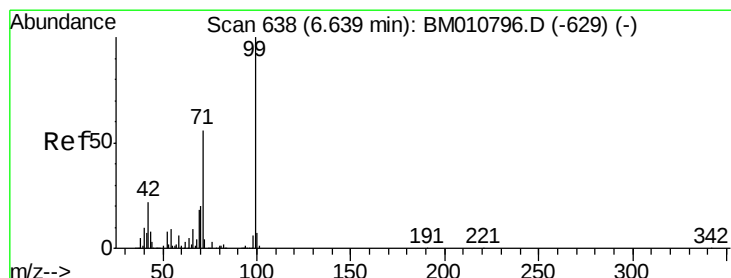
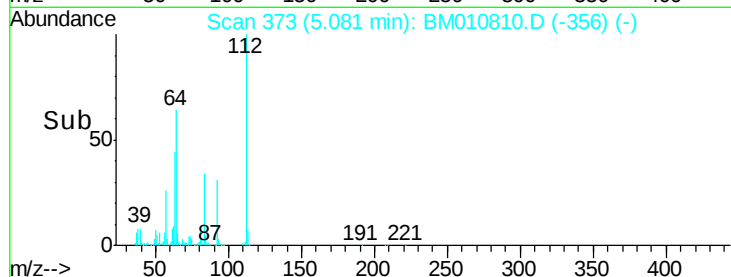
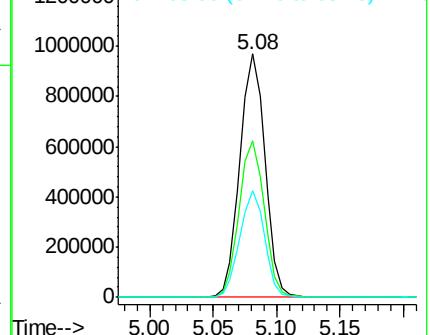
63 44.0 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 140.803 ng

RT: 6.64 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM010810.D

Acq: 13 Jul 2017 13:42

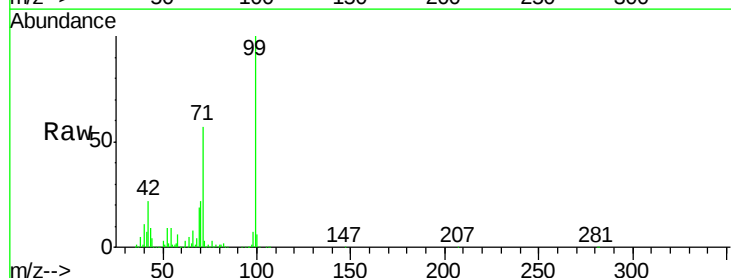
Tgt Ion: 99 Resp: 1749045

Ion Ratio Lower Upper

99 100

42 22.4 11.0 16.4#

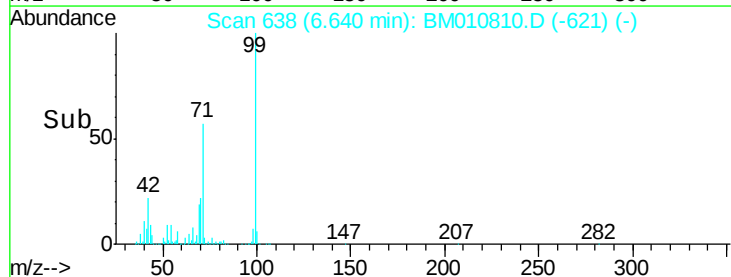
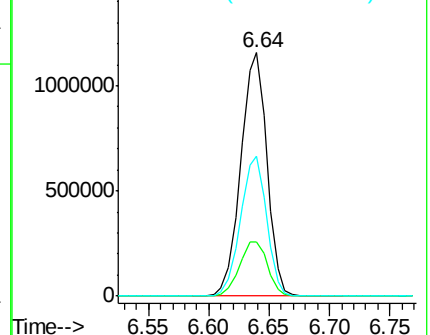
71 57.4 23.4 35.2#

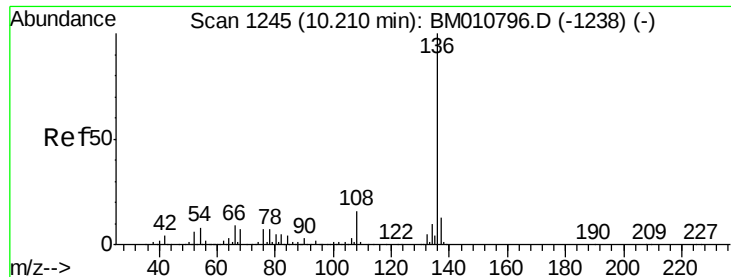


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM

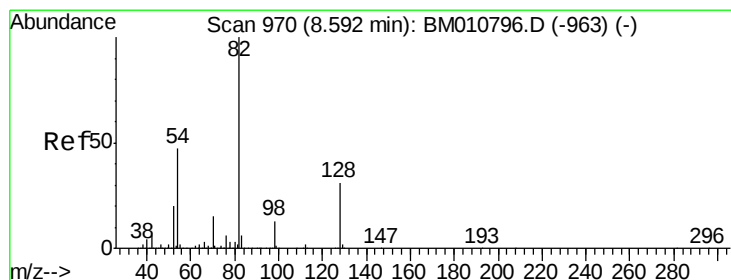
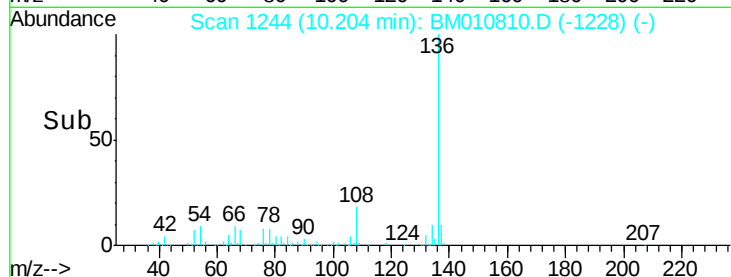
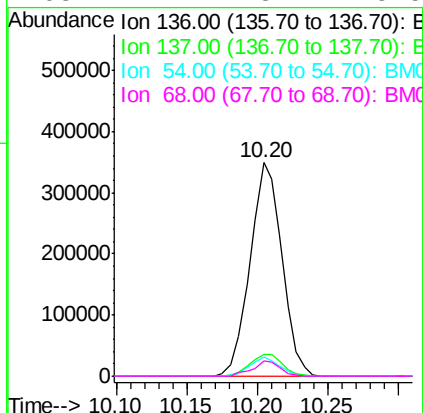
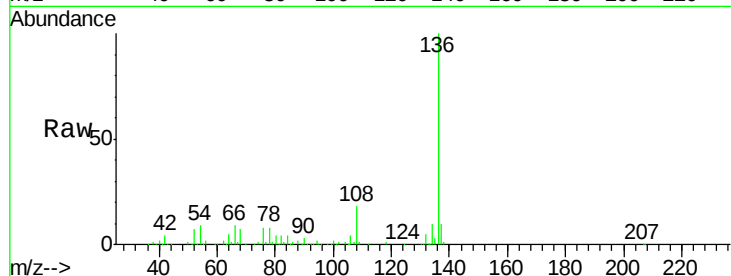




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.20 min Scan# 1244
Delta R.T. -0.01 min
Lab File: BM010810.D
Acq: 13 Jul 2017 13:42

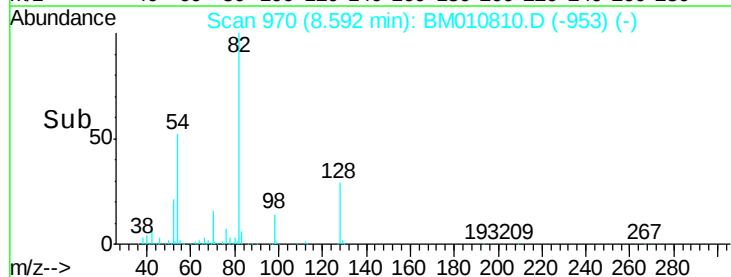
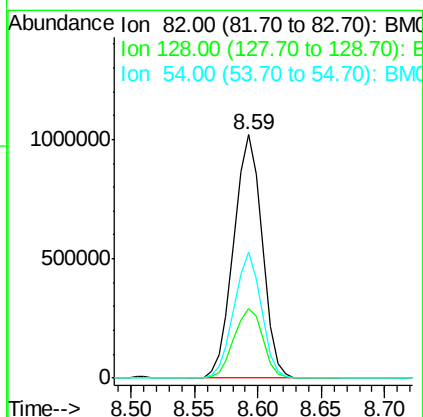
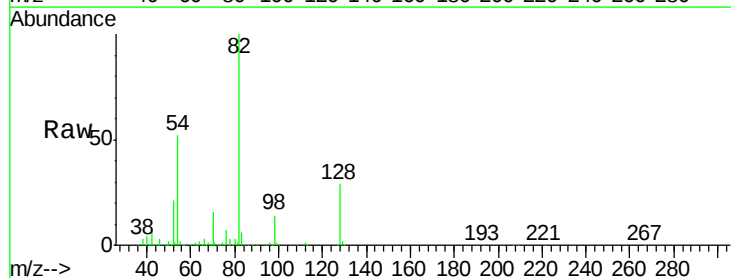
Instrument :
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LOD-WATER-05-QT3-2017

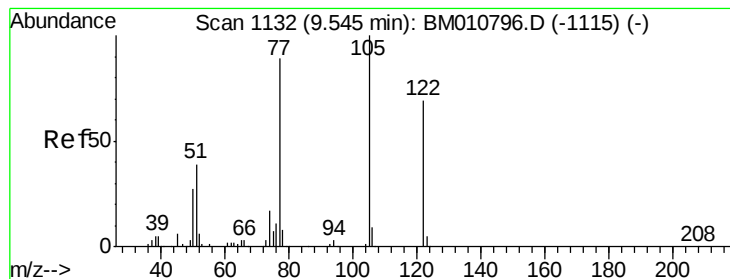
Tgt Ion:	136	Resp:	553836
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.7	13.1
54	8.8	4.6	6.8#
68	7.2	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 109.775 ng
RT: 8.59 min Scan# 970
Delta R.T. 0.00 min
Lab File: BM010810.D
Acq: 13 Jul 2017 13:42

Tgt Ion:	82	Resp:	1581719
Ion	Ratio	Lower	Upper
82	100		
128	28.7	32.8	49.2#
54	51.7	40.6	60.8





#32

Benzoic acid

Concen: 4.232 ng

RT: 9.46 min Scan# 1118

Delta R.T. -0.08 min

Lab File: BM010810.D

Acq: 13 Jul 2017 13:42

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT3-2017

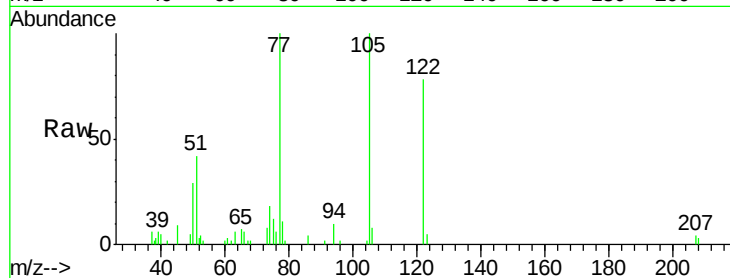
Tgt Ion:122 Resp: 29117

Ion Ratio Lower Upper

122 100

105 128.5 99.9 139.9

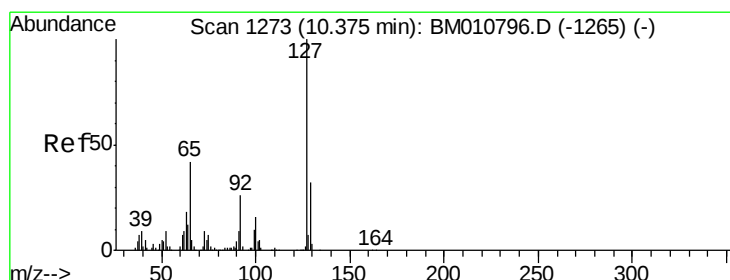
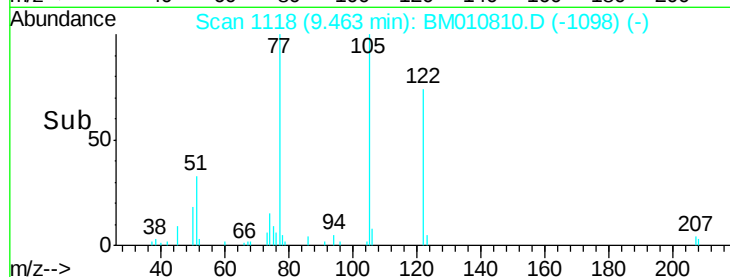
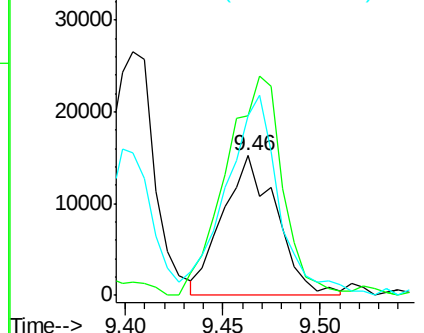
77 129.0 73.7 113.7#



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): BM0



#33

4-Chloroaniline

Concen: 4.851 ng

RT: 10.37 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BM010810.D

Acq: 13 Jul 2017 13:42

Tgt Ion:127 Resp: 55033

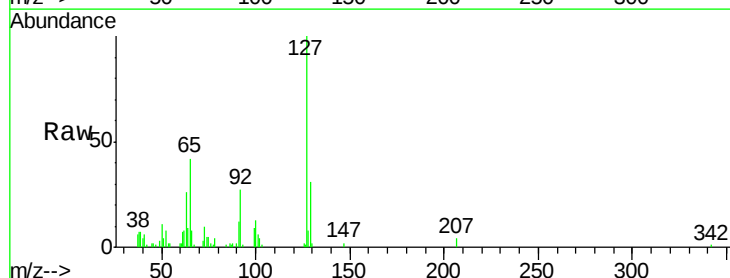
Ion Ratio Lower Upper

127 100

129 31.3 25.3 37.9

65 41.9 17.6 26.4#

92 26.7 13.1 19.7#

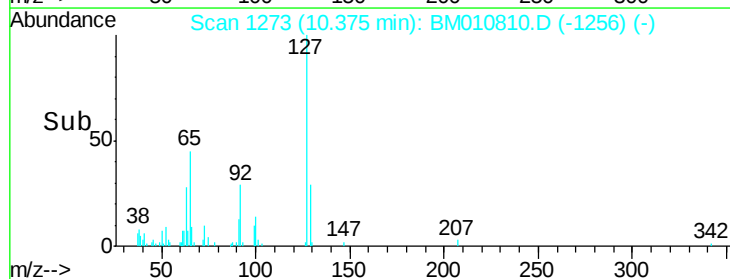
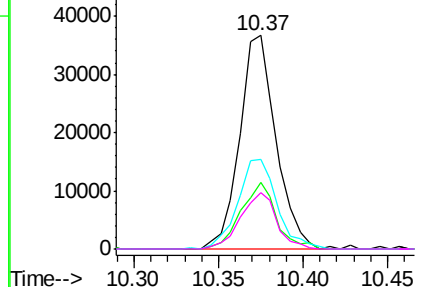


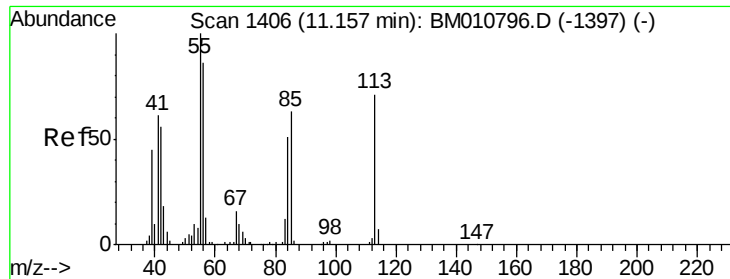
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

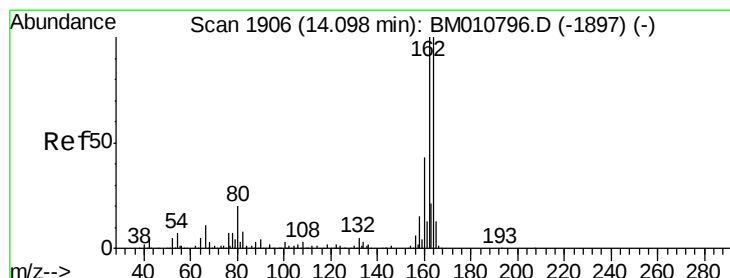
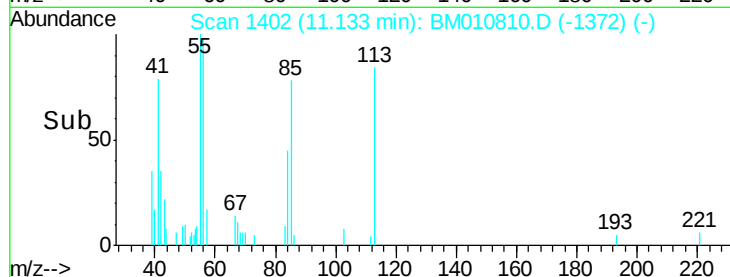
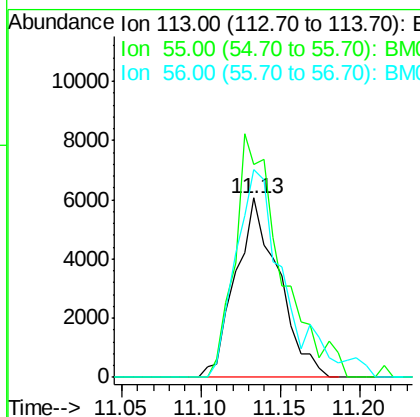
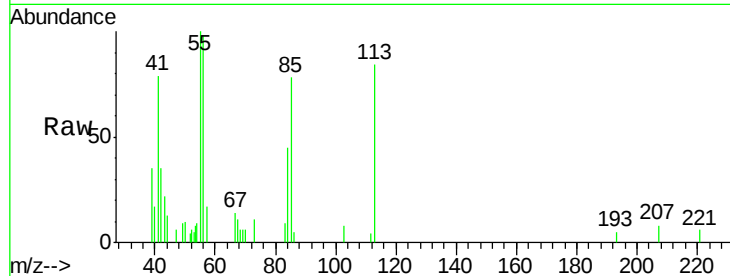




#35
 Caprolactam
 Concen: 4.345 ng
 RT: 11.13 min Scan# 1402
 Delta R.T. -0.02 min
 Lab File: BM010810.D
 Acq: 13 Jul 2017 13:42

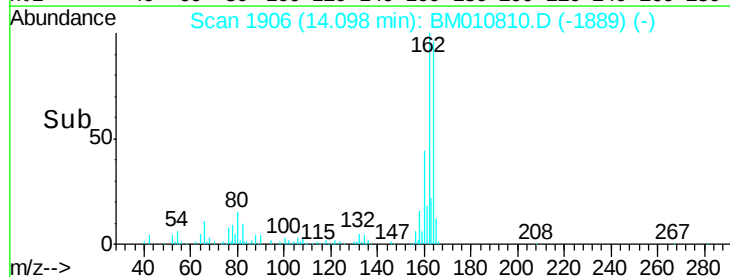
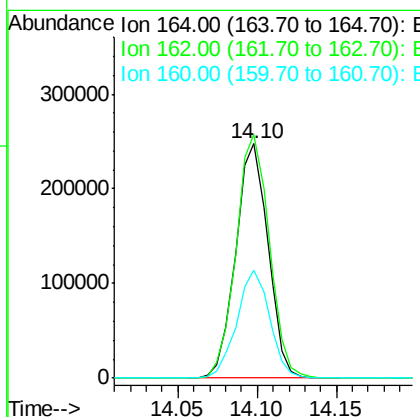
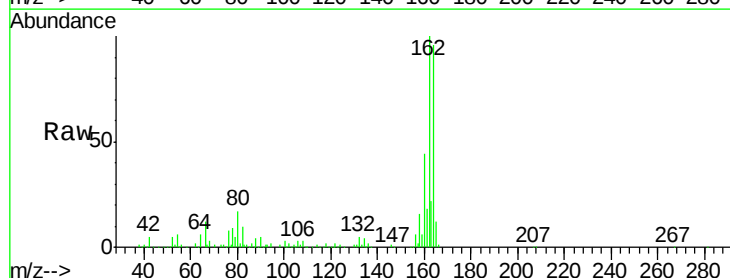
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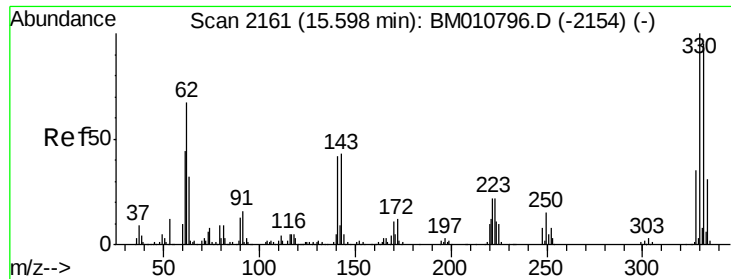
Tgt Ion:113 Resp: 11459
 Ion Ratio Lower Upper
 113 100
 55 118.8 145.9 185.9#
 56 116.1 101.0 141.0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.10 min Scan# 1906
 Delta R.T. 0.00 min
 Lab File: BM010810.D
 Acq: 13 Jul 2017 13:42

Tgt Ion:164 Resp: 350454
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.4 123.6
 160 45.8 35.8 53.6

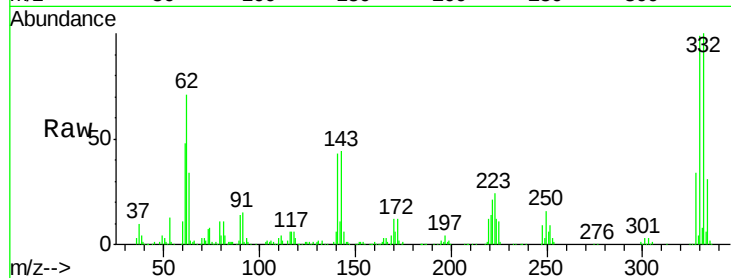




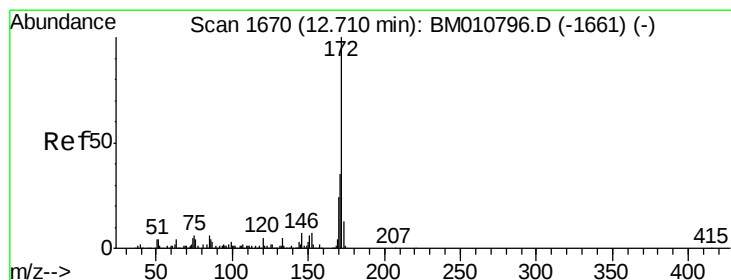
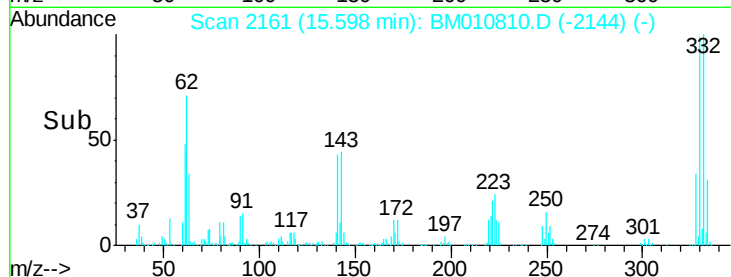
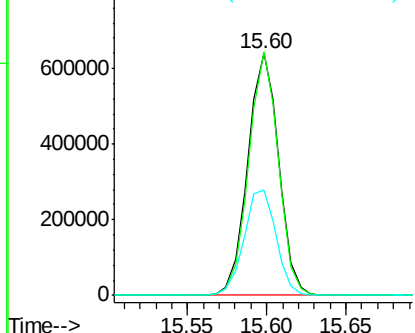
#41
 2,4,6-Tribromophenol
 Concen: 162.134 ng
 RT: 15.60 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BM010810.D
 Acq: 13 Jul 2017 13:42

Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER-05-QT3-2017

Tgt Ion:330 Resp: 868326
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 45.1 0.0 0.0#

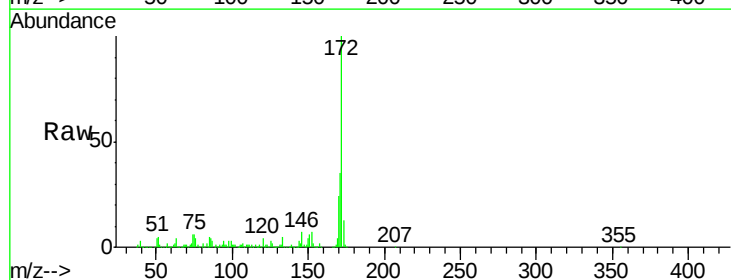


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

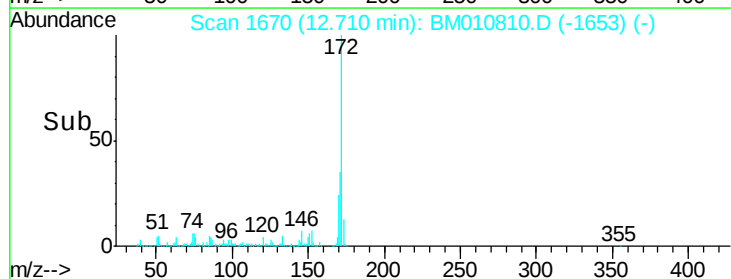
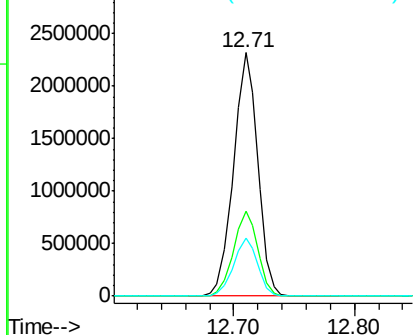


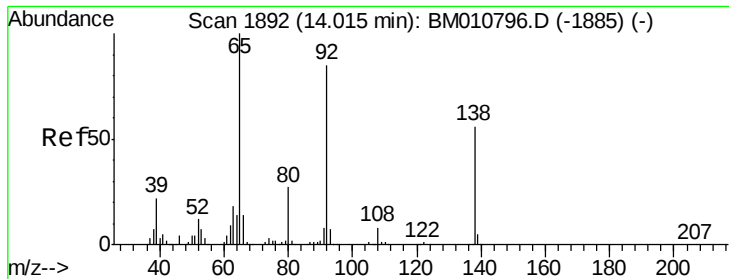
#44
 2-Fluorobiphenyl
 Concen: 114.791 ng
 RT: 12.71 min Scan# 1670
 Delta R.T. 0.00 min
 Lab File: BM010810.D
 Acq: 13 Jul 2017 13:42

Tgt Ion:172 Resp: 3233773
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.5 42.7
 170 23.7 18.8 28.2



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

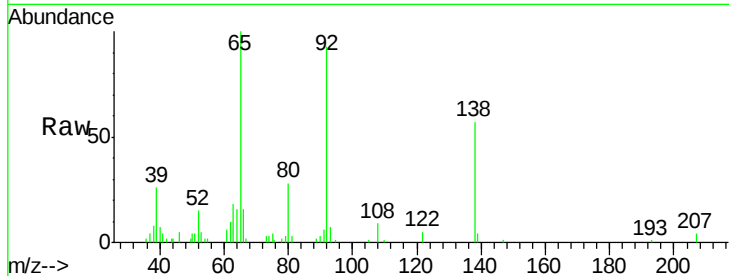




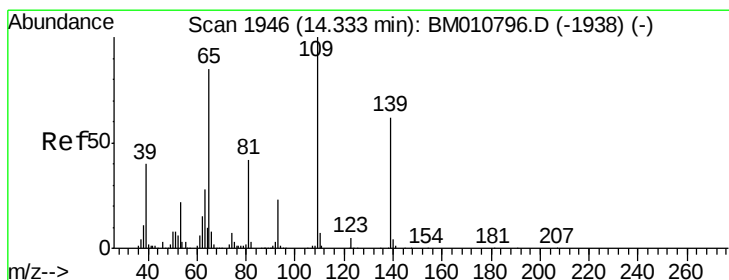
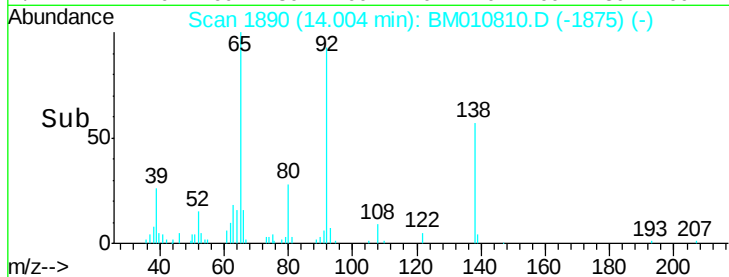
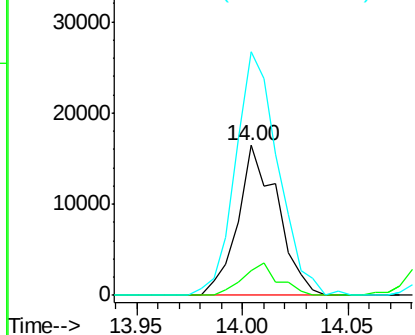
#52
3-Nitroaniline
Concen: 4.073 ng
RT: 14.00 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BM010810.D
Acq: 13 Jul 2017 13:42

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:138 Resp: 21652
Ion Ratio Lower Upper
138 100
108 16.2 7.3 10.9#
92 162.6 76.6 114.8#

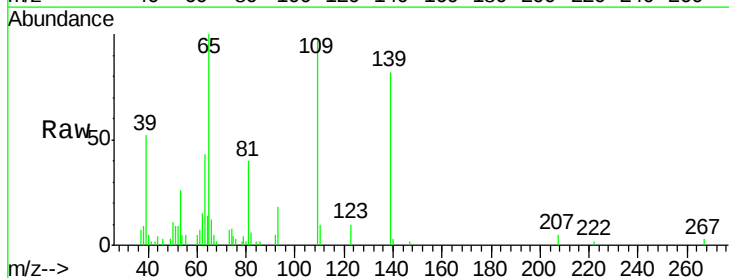


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BM

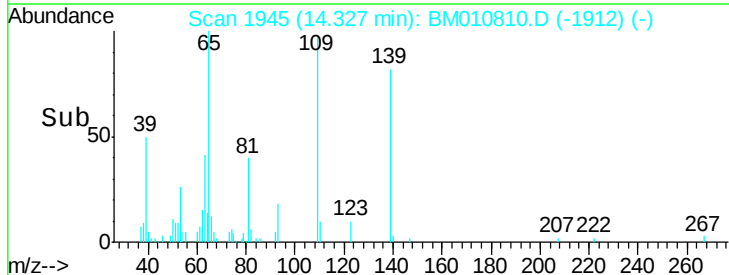
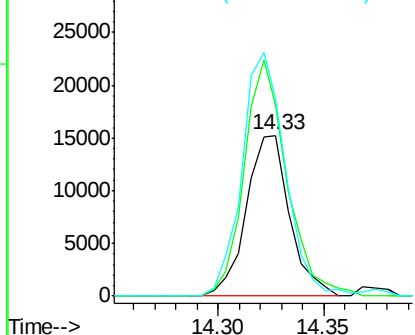


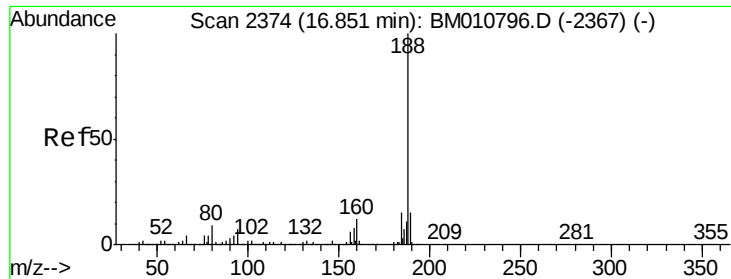
#55
4-Nitrophenol
Concen: 4.717 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BM010810.D
Acq: 13 Jul 2017 13:42

Tgt Ion:139 Resp: 21780
Ion Ratio Lower Upper
139 100
109 118.4 37.7 77.7#
65 122.5 49.9 89.9#



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): BM

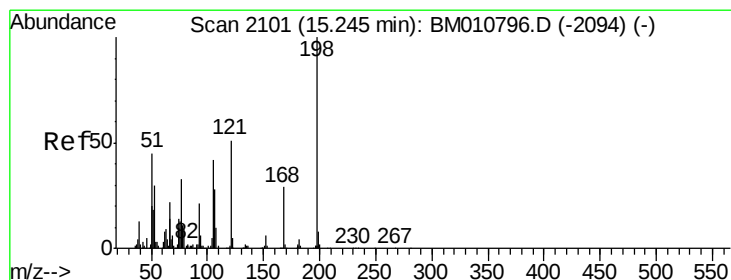
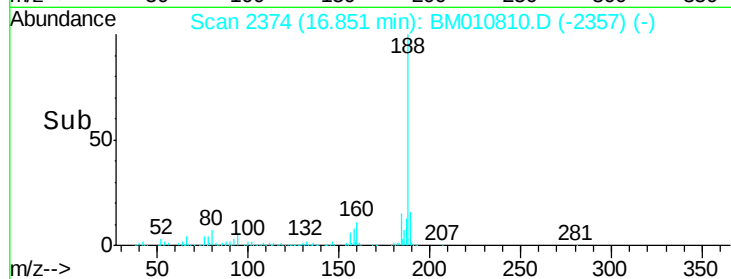
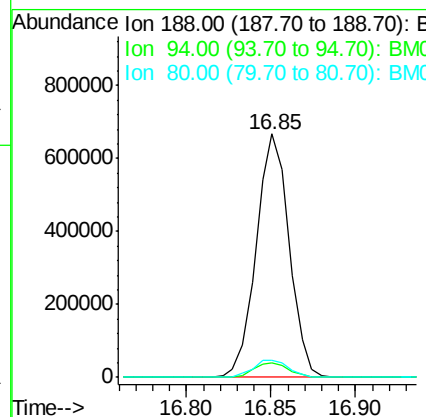
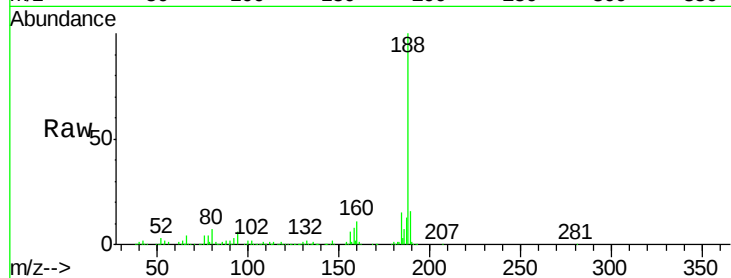




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.85 min Scan# 2374
 Delta R.T. 0.00 min
 Lab File: BM010810.D
 Acq: 13 Jul 2017 13:42

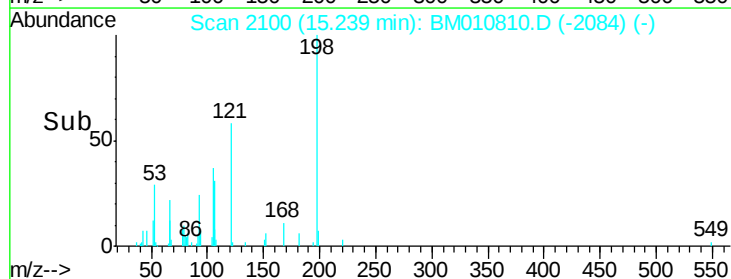
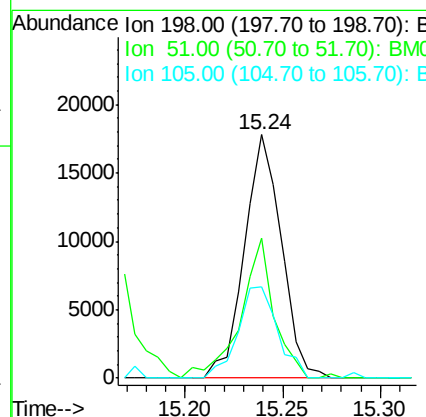
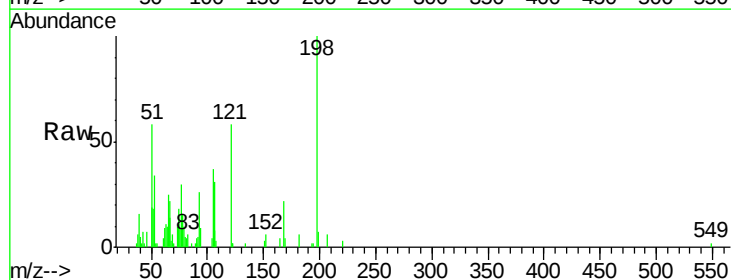
Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER-05-QT3-2017

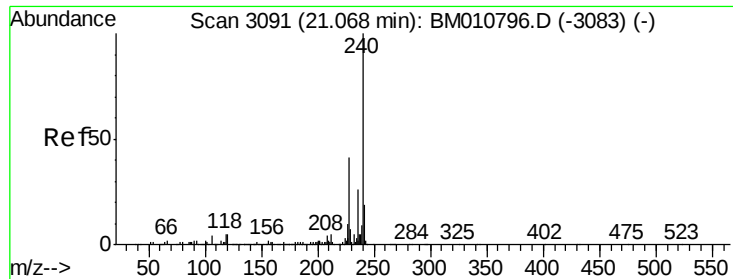
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.1	8.7	13.1#
80	7.2	9.3	13.9#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.922 ng
 RT: 15.24 min Scan# 2100
 Delta R.T. -0.01 min
 Lab File: BM010810.D
 Acq: 13 Jul 2017 13:42

Tgt Ion	Ratio	Lower	Upper
198	100		
51	57.7	28.8	68.8
105	37.3	30.5	70.5

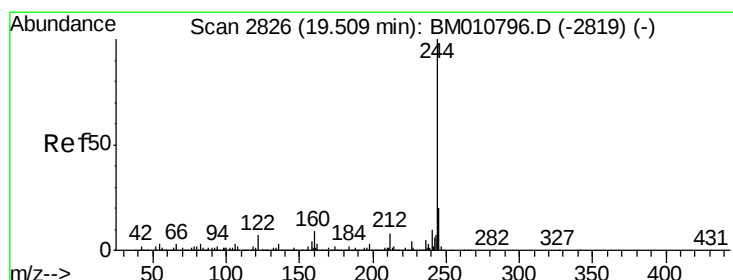
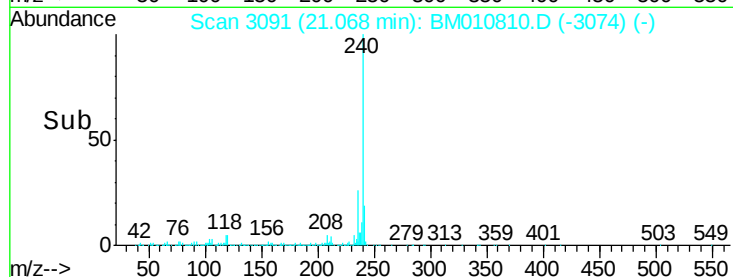
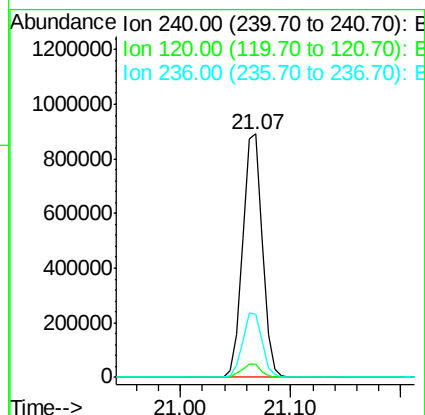
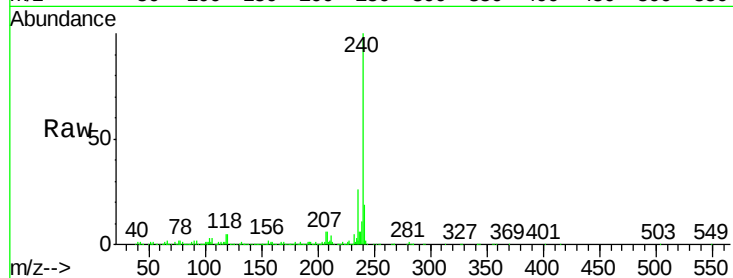




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.07 min Scan# 3091
 Delta R.T. 0.00 min
 Lab File: BM010810.D
 Acq: 13 Jul 2017 13:42

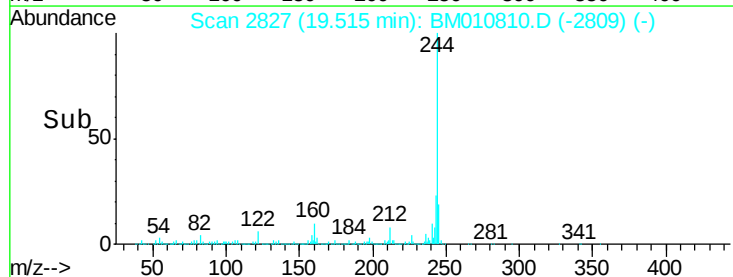
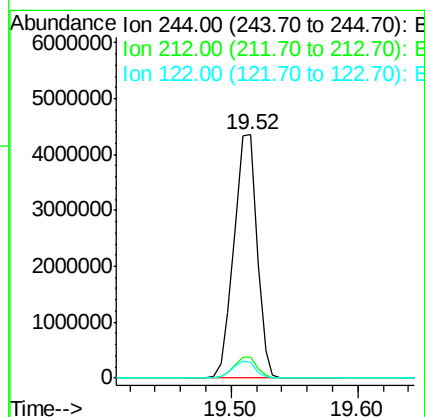
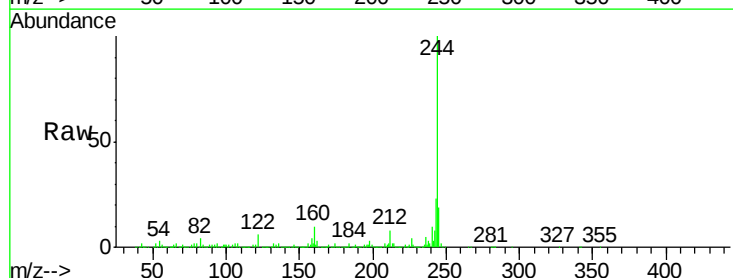
Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER-05-QT3-2017

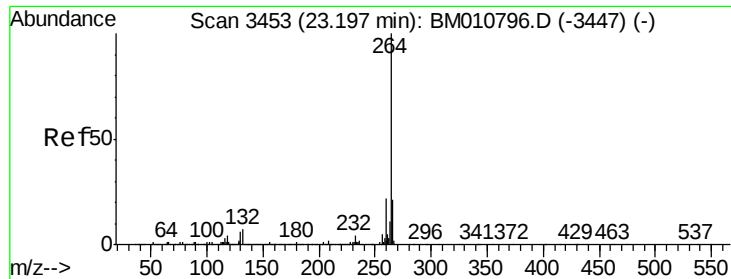
Tgt Ion:240 Resp: 1118287
 Ion Ratio Lower Upper
 240 100
 120 5.4 8.2 12.2#
 236 26.2 20.0 30.0



#78
 Terphenyl-d14
 Concen: 94.410 ng
 RT: 19.52 min Scan# 2827
 Delta R.T. 0.01 min
 Lab File: BM010810.D
 Acq: 13 Jul 2017 13:42

Tgt Ion:244 Resp: 5458742
 Ion Ratio Lower Upper
 244 100
 212 8.4 4.9 7.3#
 122 6.4 6.2 9.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.20 min Scan# 3453
Delta R.T. 0.00 min
Lab File: BM010810.D
Acq: 13 Jul 2017 13:42

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion: 264 Resp: 1087253

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	27.8
265	20.5	17.3	25.9

