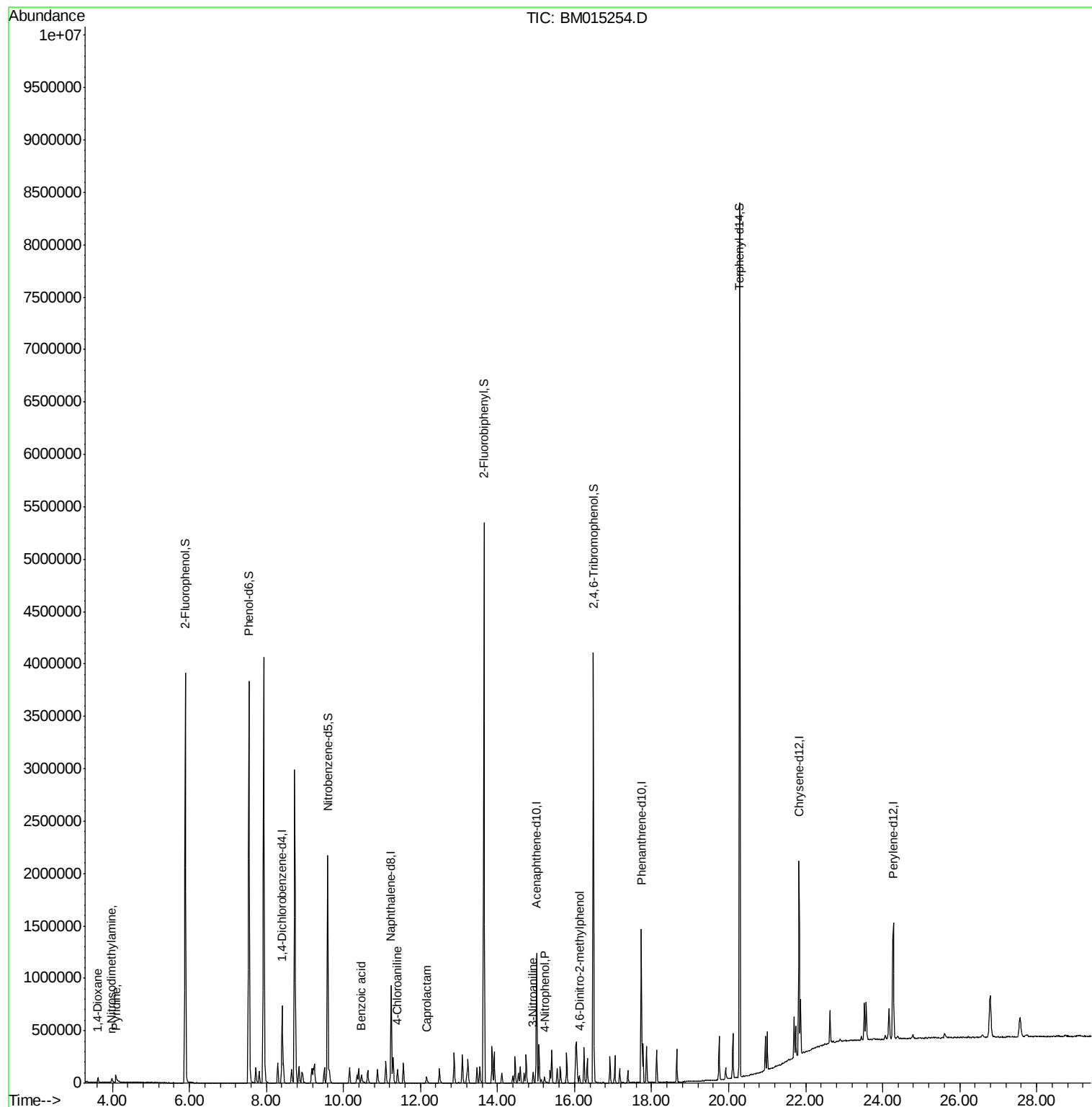
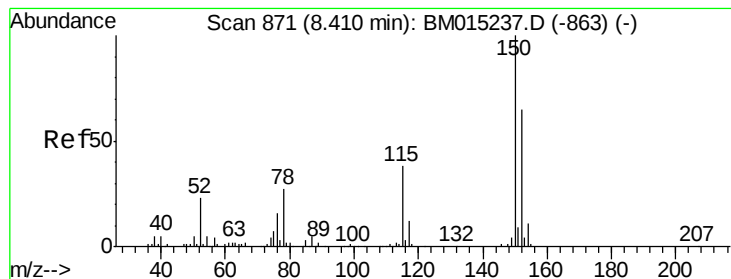


Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
Data File : BM015254.D
Acq On : 22 May 2018 23:40
Operator : SJ/JU
Sample : J2133-07
Misc : LOD 5 PPM
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 23 05:37:19 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 22 15:47:28 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.40 min Scan# 870

Delta R.T. -0.01 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

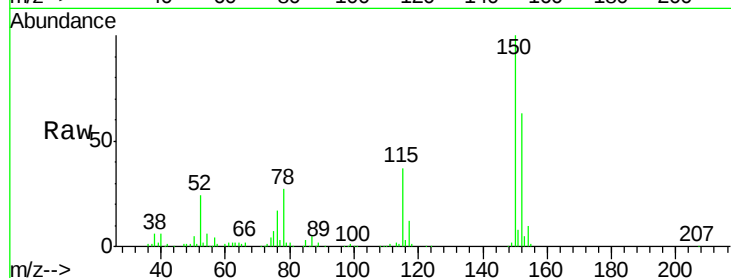
Tgt Ion:152 Resp: 191817

Ion Ratio Lower Upper

152 100

150 158.2 119.5 179.3

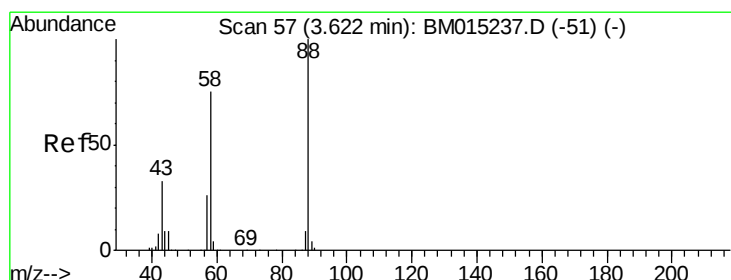
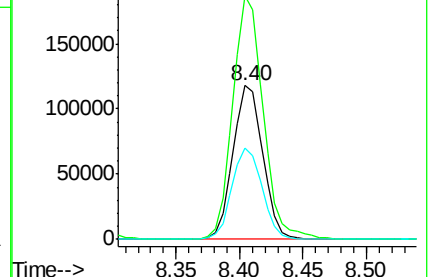
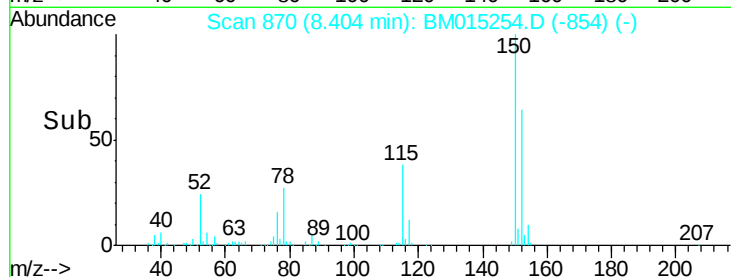
115 59.0 43.0 64.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 5.150 ng

RT: 3.62 min Scan# 57

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

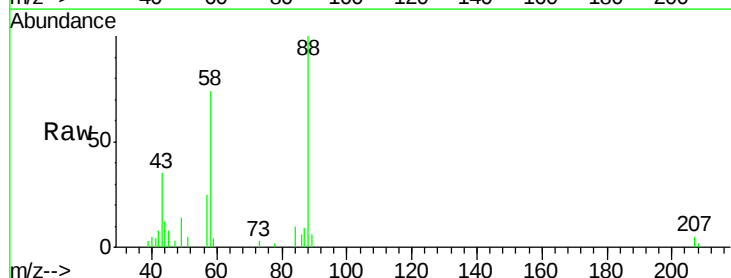
Tgt Ion: 88 Resp: 24946

Ion Ratio Lower Upper

88 100

58 74.9 0.0 0.0#

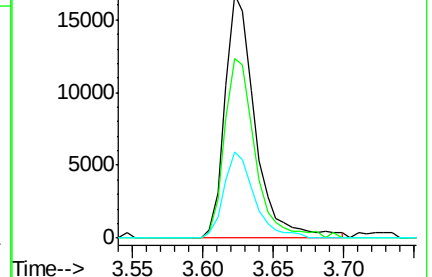
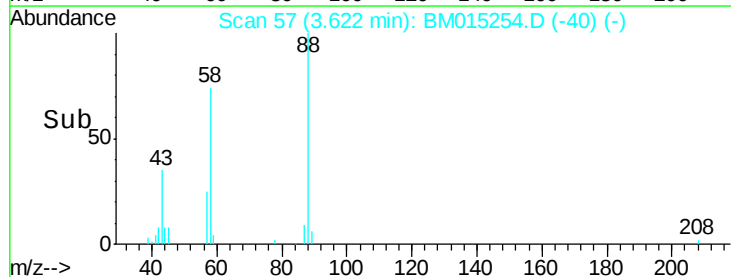
43 35.6 0.0 0.0#

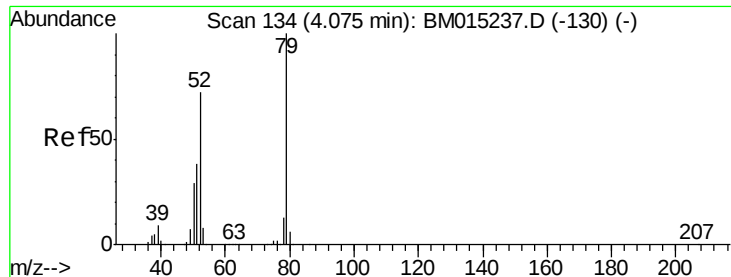


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

Concen: 3.600 ng

RT: 4.09 min Scan# 137

Delta R.T. 0.02 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

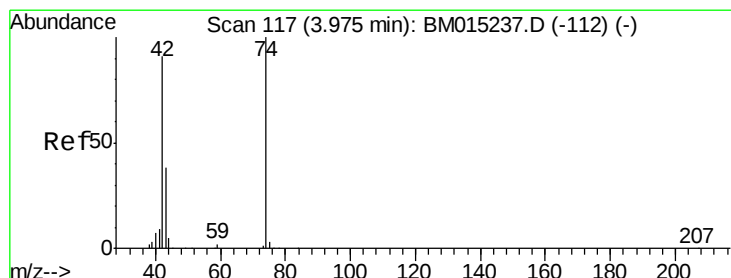
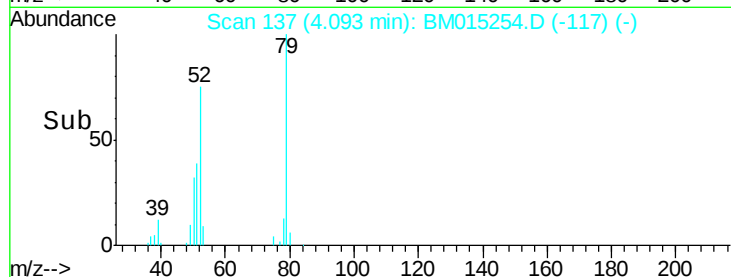
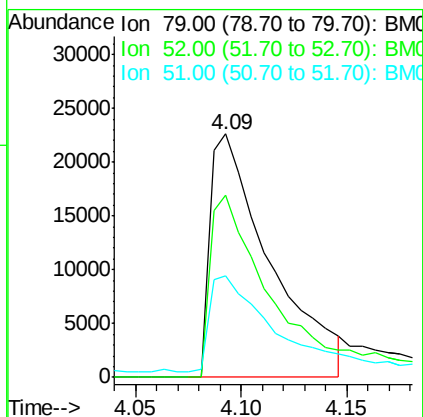
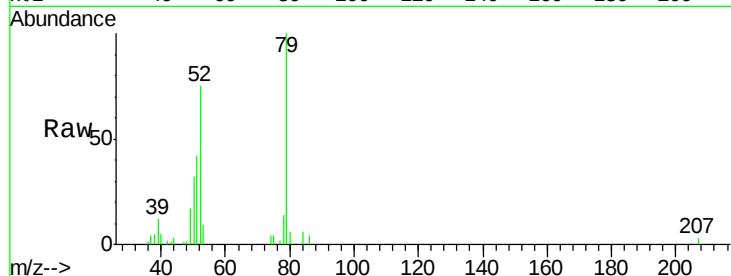
Tgt Ion: 79 Resp: 44669

Ion Ratio Lower Upper

79 100

52 75.0 51.1 76.7

51 41.6 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 3.973 ng

RT: 3.99 min Scan# 119

Delta R.T. 0.01 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

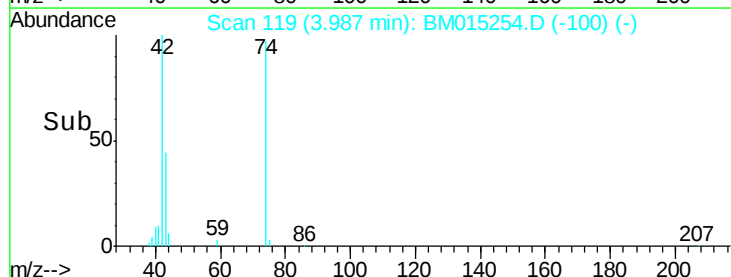
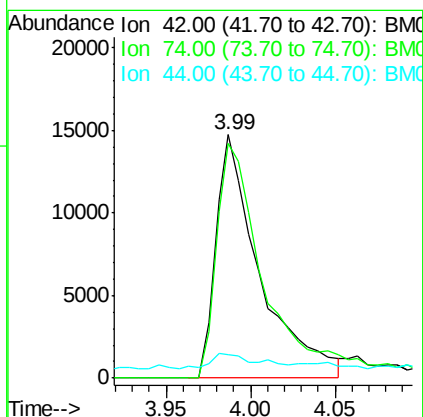
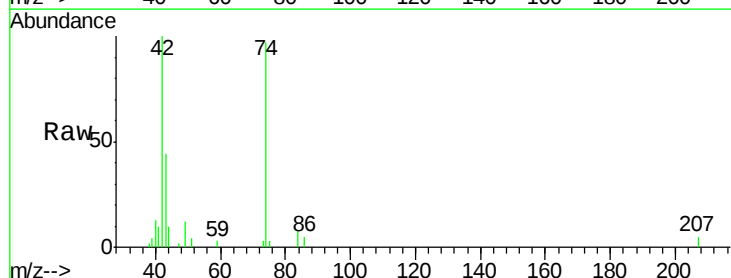
Tgt Ion: 42 Resp: 26674

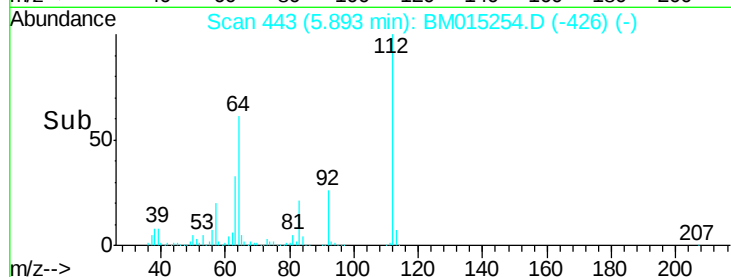
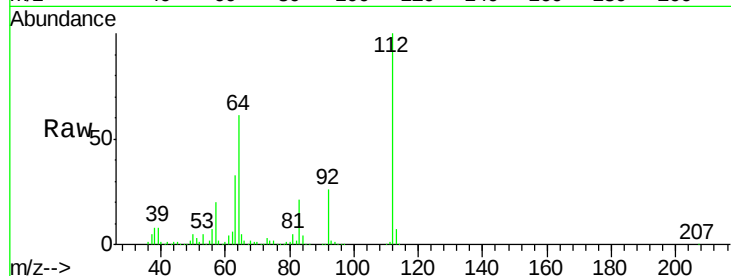
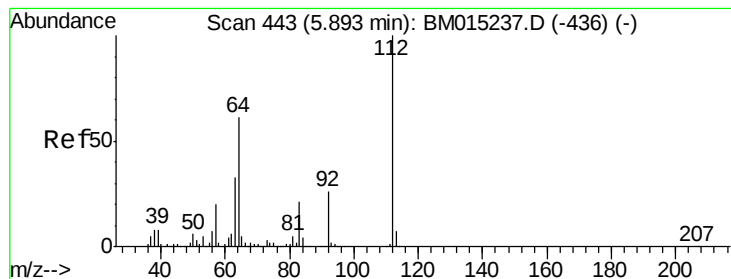
Ion Ratio Lower Upper

42 100

74 96.6 119.3 178.9#

44 9.8 5.4 8.2#





#5

2-Fluorophenol

Concen: 136.577 ng

RT: 5.89 min Scan# 443

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

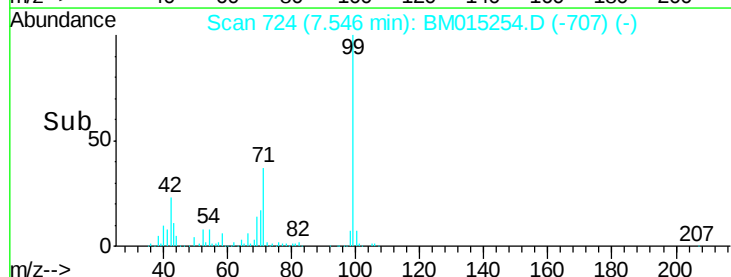
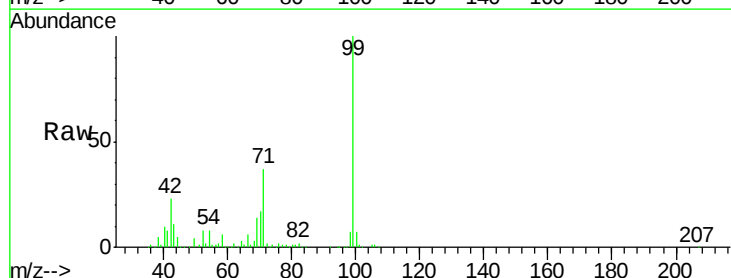
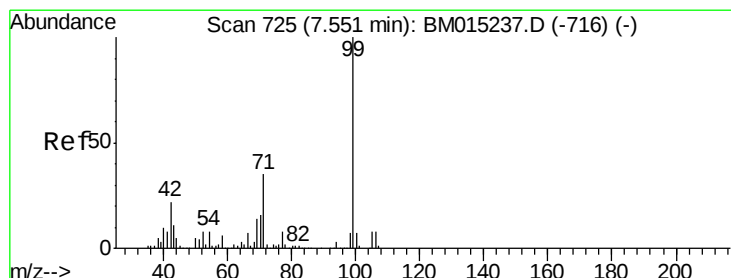
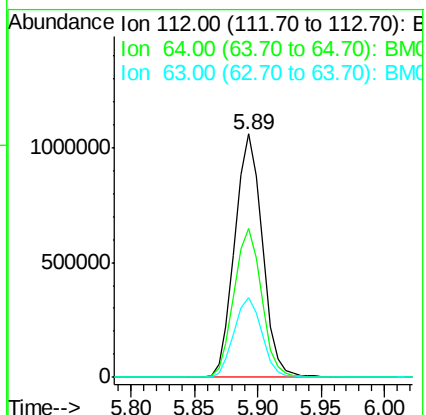
Tgt Ion:112 Resp: 1601254

Ion Ratio Lower Upper

112 100

64 60.9 38.6 57.8#

63 33.0 19.3 28.9#



#7

Phenol-d6

Concen: 132.511 ng

RT: 7.55 min Scan# 724

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

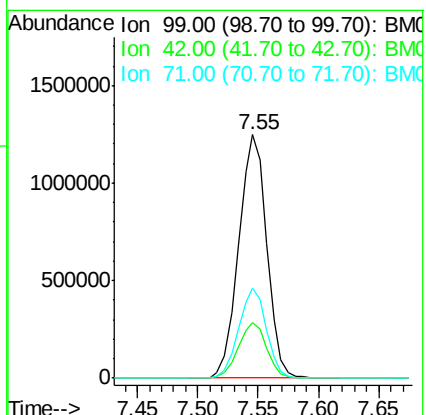
Tgt Ion: 99 Resp: 2023065

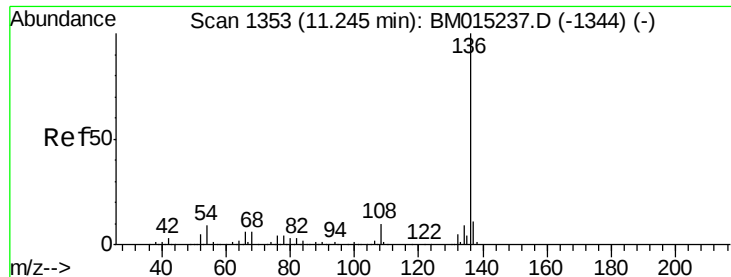
Ion Ratio Lower Upper

99 100

42 22.6 11.0 16.4#

71 37.2 23.4 35.2#

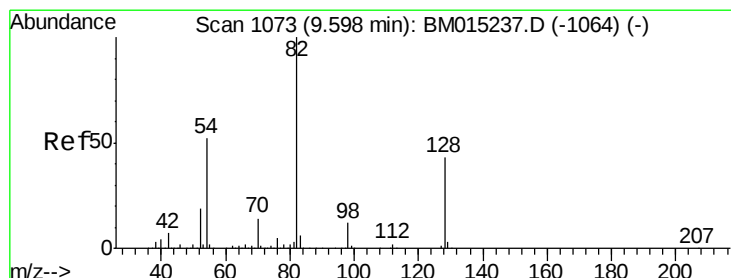
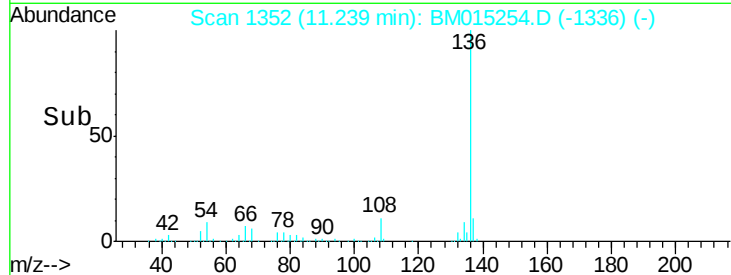
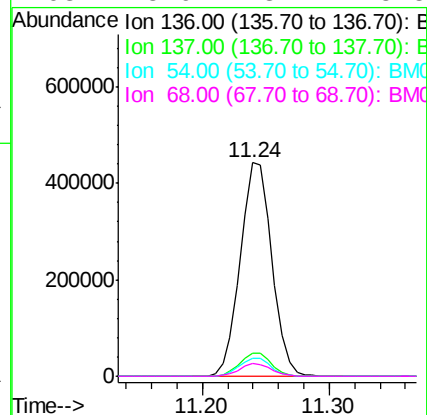
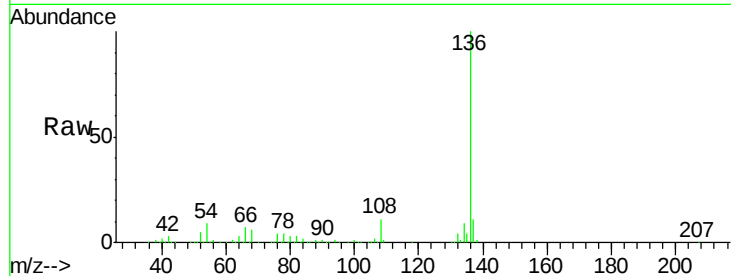




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.24 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BM015254.D
Acq: 22 May 2018 23:40

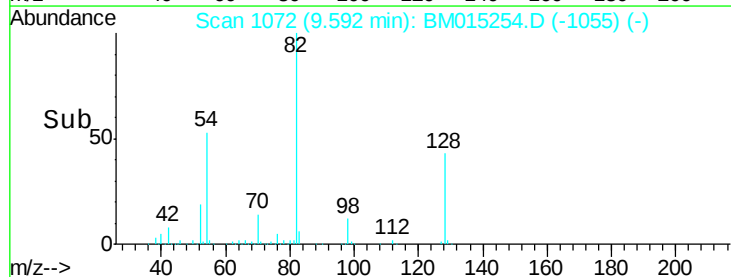
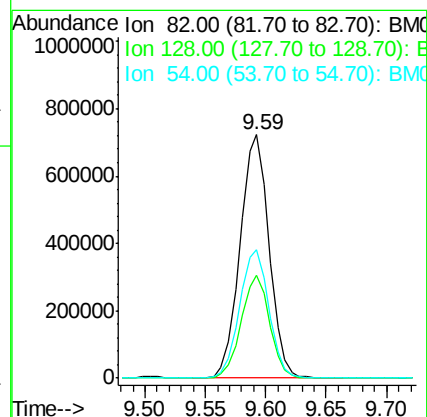
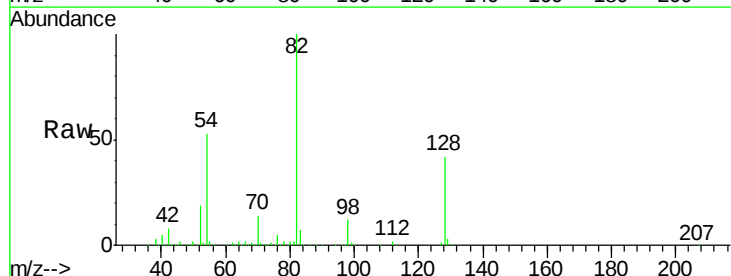
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT2-2018

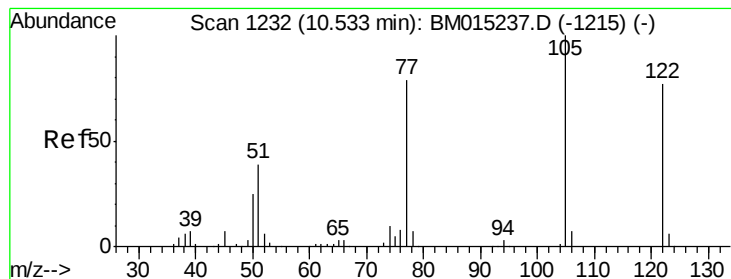
Tgt Ion:	136	Resp:	763447
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.5	4.6	6.8#
68	5.9	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 87.045 ng
RT: 9.59 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BM015254.D
Acq: 22 May 2018 23:40

Tgt Ion:	82	Resp:	1213107
Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.8	49.2
54	52.6	40.6	60.8





#32

Benzoic acid

Concen: 3.887 ng

RT: 10.47 min Scan# 1221

Delta R.T. -0.05 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

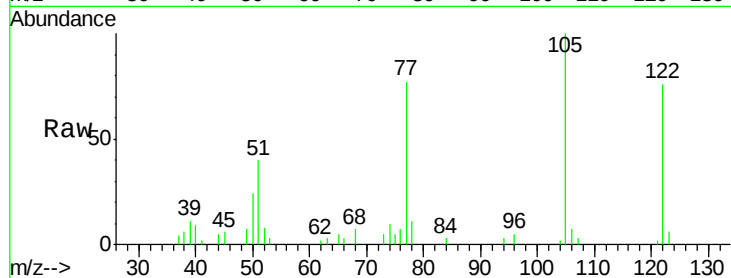
Tgt Ion:122 Resp: 26552

Ion Ratio Lower Upper

122 100

105 132.0 99.9 139.9

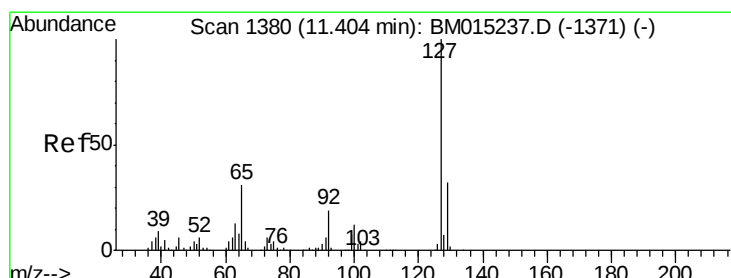
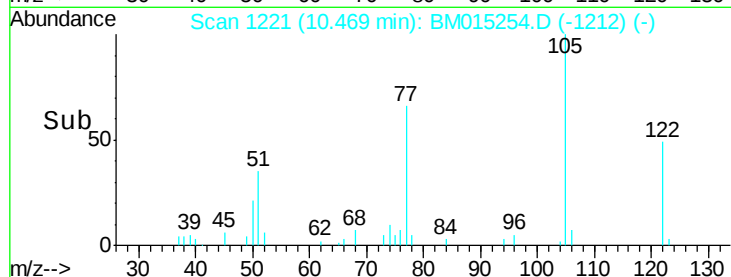
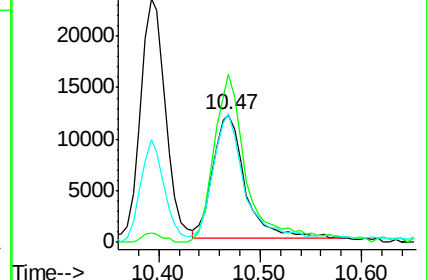
77 101.3 73.7 113.7



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): BM



#33

4-Chloroaniline

Concen: 4.474 ng

RT: 11.40 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

Tgt Ion:127 Resp: 70855

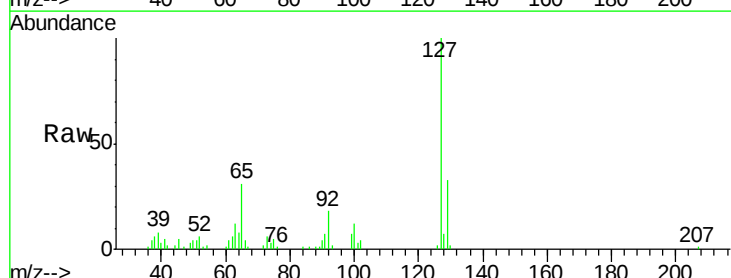
Ion Ratio Lower Upper

127 100

129 32.9 25.3 37.9

65 30.9 17.6 26.4#

92 17.7 13.1 19.7

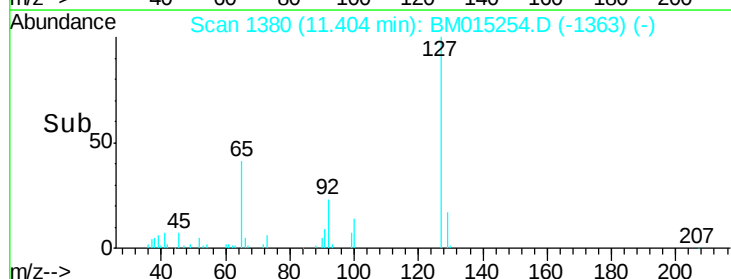
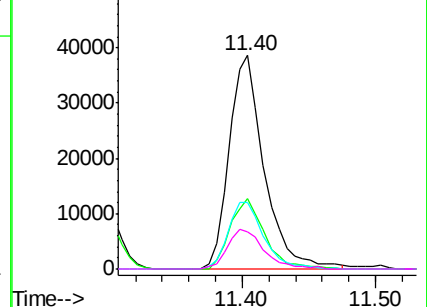


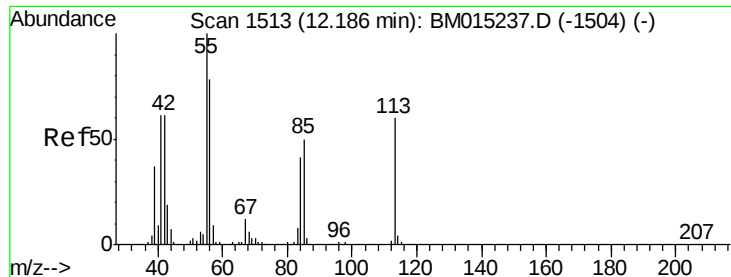
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BM

Ion 92.00 (91.70 to 92.70): BM

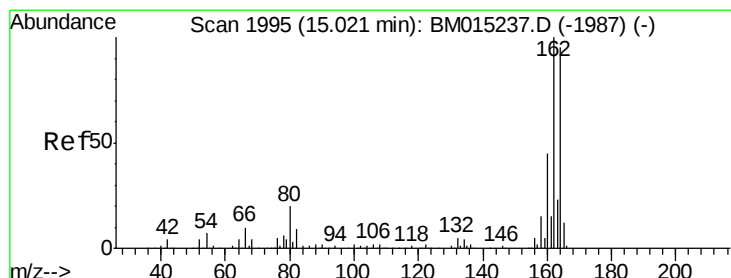
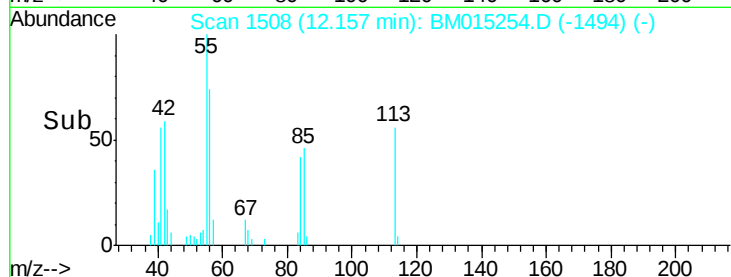
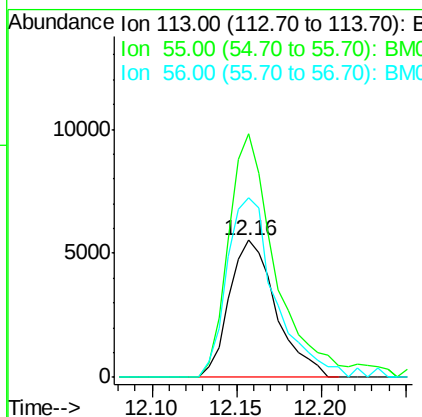
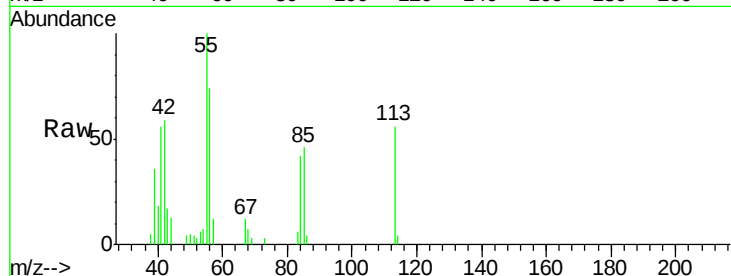




#35
 Caprolactam
 Concen: 3.366 ng
 RT: 12.16 min Scan# 1508
 Delta R.T. -0.02 min
 Lab File: BM015254.D
 Acq: 22 May 2018 23:40

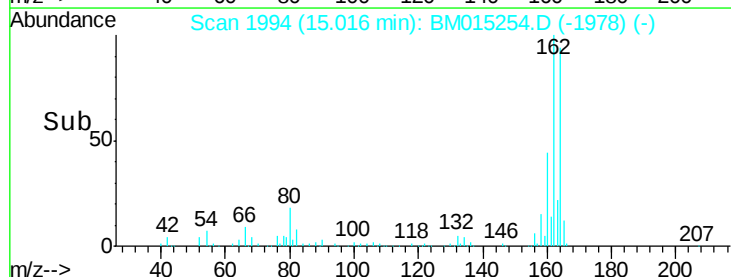
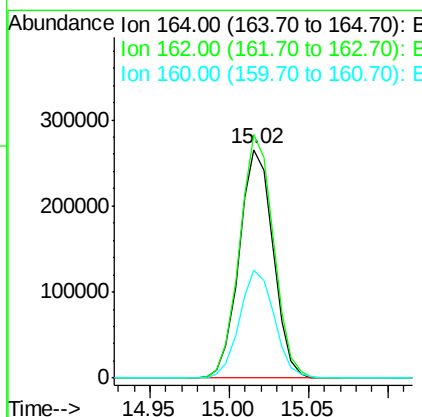
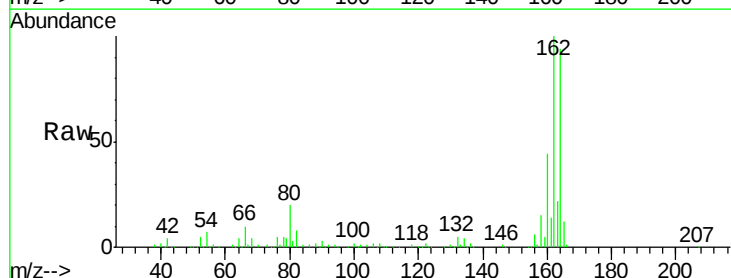
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

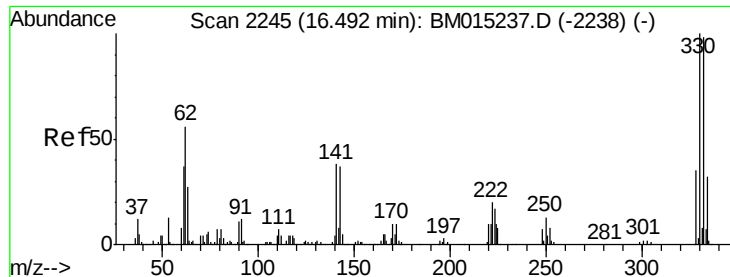
Tgt Ion:113 Resp: 10653
 Ion Ratio Lower Upper
 113 100
 55 177.3 145.9 185.9
 56 131.2 101.0 141.0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.02 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BM015254.D
 Acq: 22 May 2018 23:40

Tgt Ion:164 Resp: 394492
 Ion Ratio Lower Upper
 164 100
 162 106.4 82.4 123.6
 160 47.1 35.8 53.6

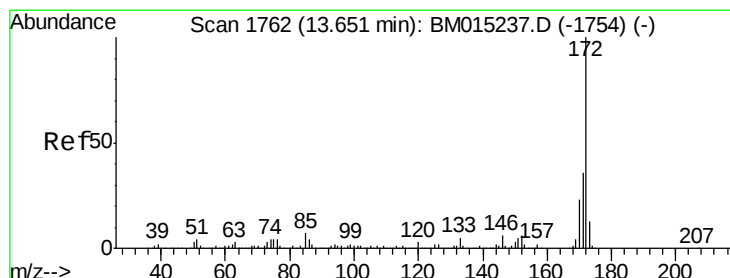
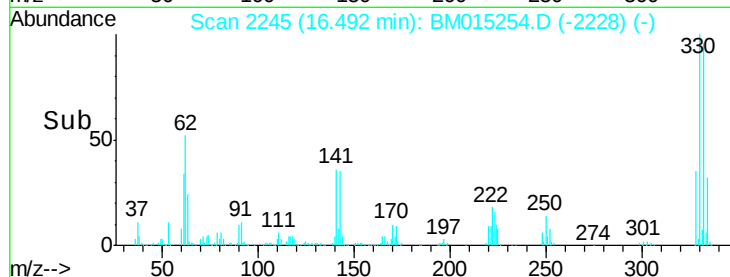
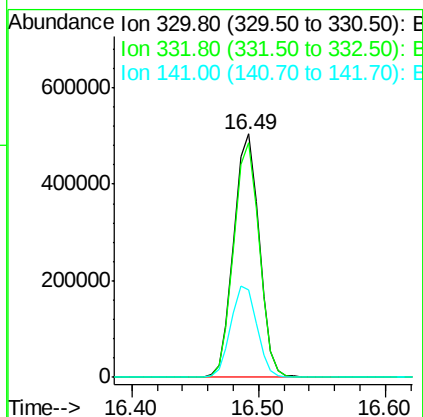
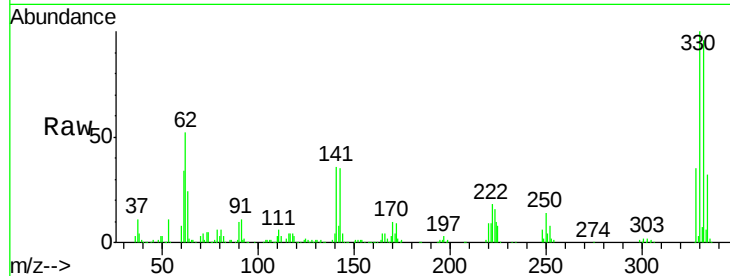




#41
 2,4,6-Tribromophenol
 Concen: 141.824 ng
 RT: 16.49 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: BM015254.D
 Acq: 22 May 2018 23:40

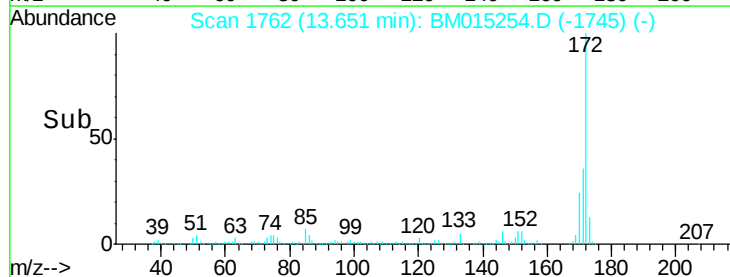
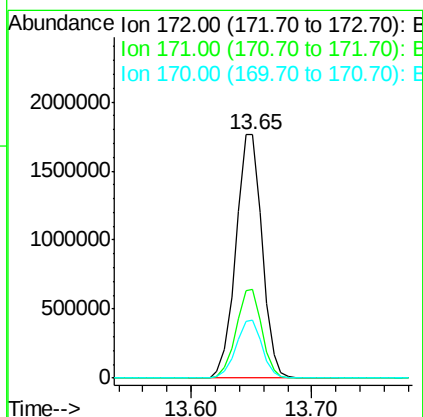
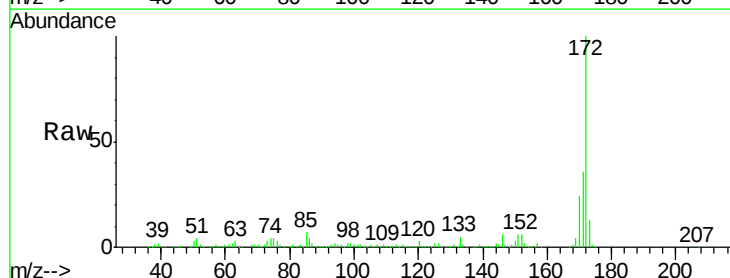
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2018

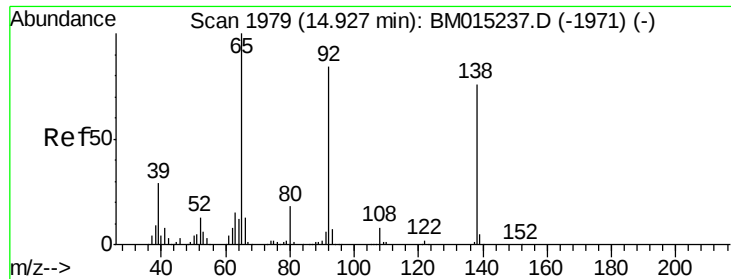
Tgt Ion: 330 Resp: 701575
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 38.4 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 83.863 ng
 RT: 13.65 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BM015254.D
 Acq: 22 May 2018 23:40

Tgt Ion: 172 Resp: 2661292
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.5 42.7
 170 23.6 18.8 28.2





#52

3-Nitroaniline

Concen: 3.733 ng

RT: 14.92 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

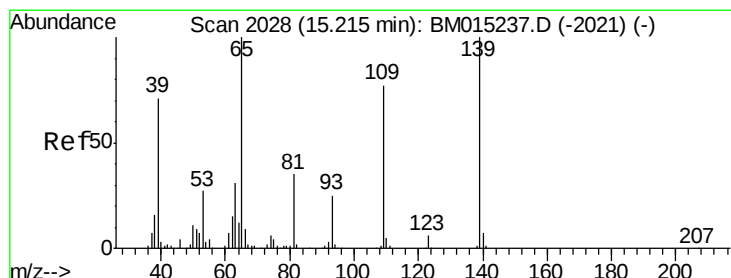
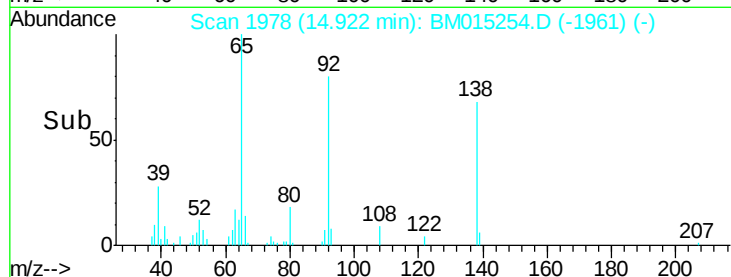
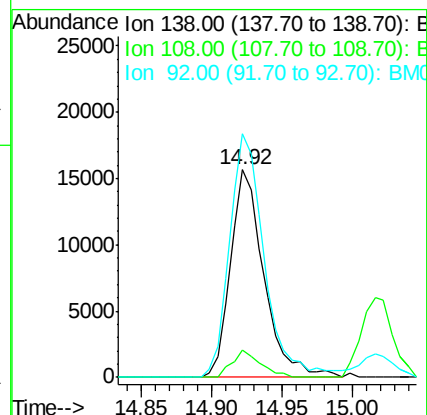
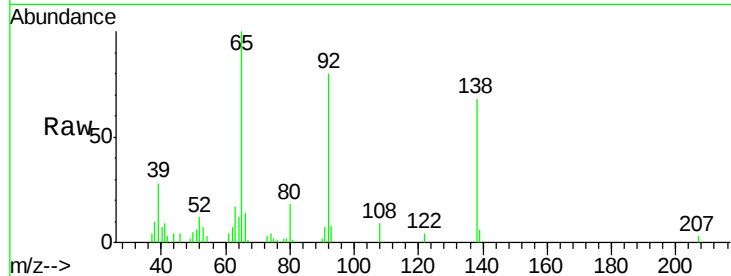
Tgt Ion:138 Resp: 25816

Ion Ratio Lower Upper

138 100

108 13.0 7.3 10.9#

92 117.3 76.6 114.8#



#55

4-Nitrophenol

Concen: 2.853 ng

RT: 15.22 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

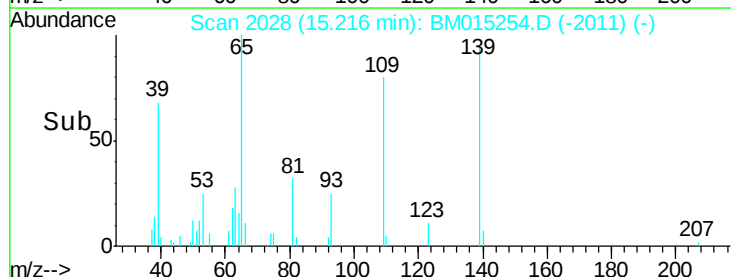
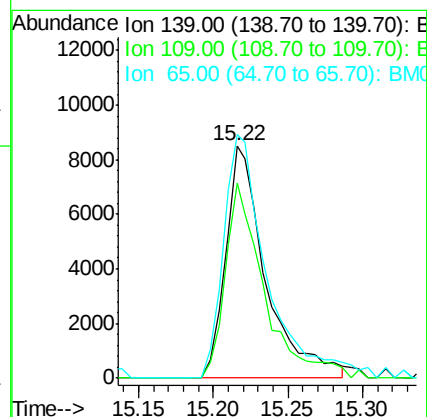
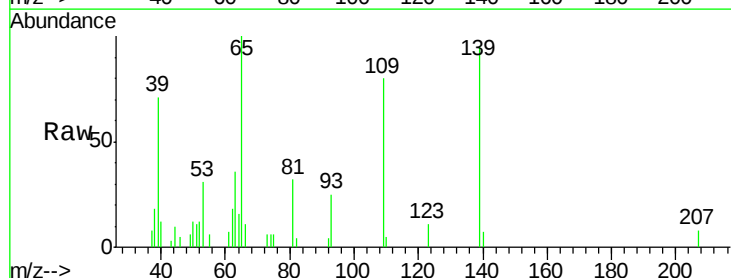
Tgt Ion:139 Resp: 16002

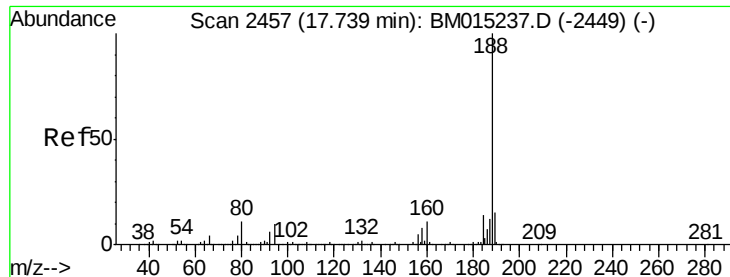
Ion Ratio Lower Upper

139 100

109 84.1 130.0 170.0#

65 104.8 130.0 170.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.73 min Scan# 2456

Delta R.T. -0.01 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

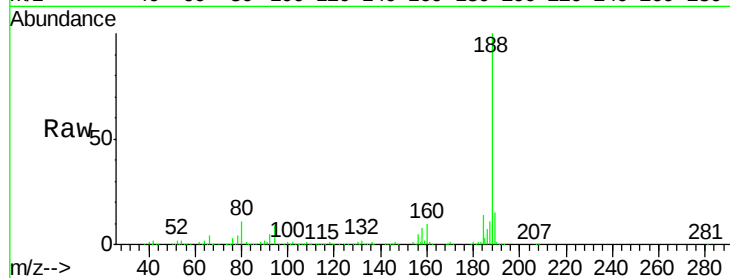
Tgt Ion:188 Resp: 824436

Ion Ratio Lower Upper

188 100

94 8.8 8.7 13.1

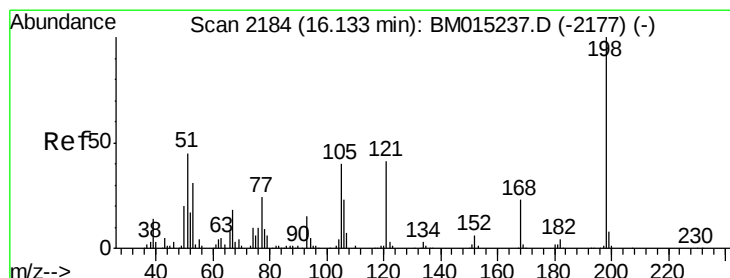
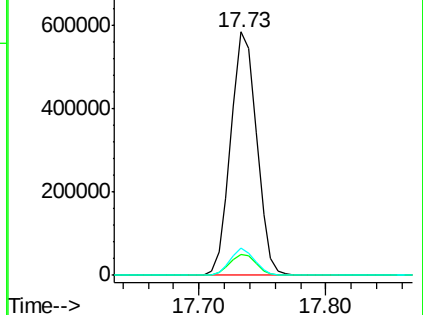
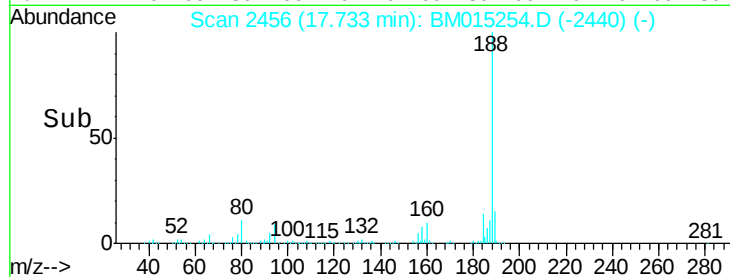
80 11.0 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#64

4,6-Dinitro-2-methylphenol

Concen: 3.051 ng

RT: 16.13 min Scan# 2183

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

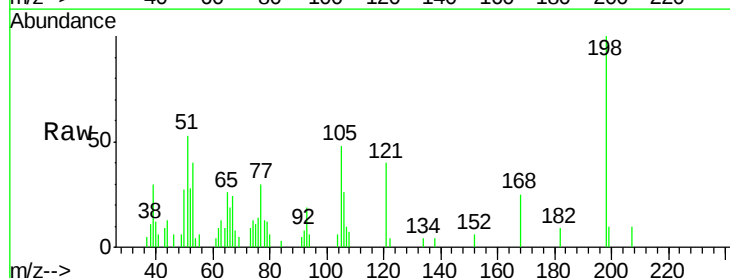
Tgt Ion:198 Resp: 13884

Ion Ratio Lower Upper

198 100

51 53.5 28.8 68.8

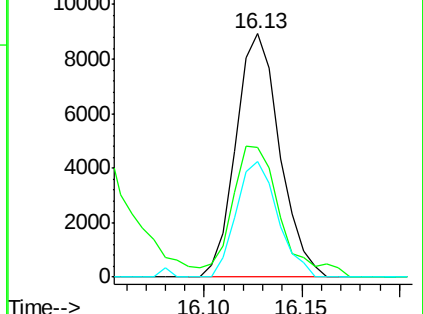
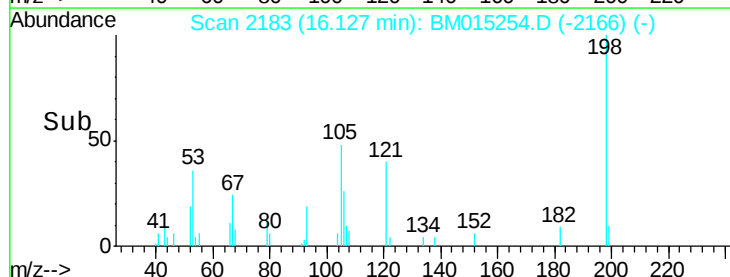
105 47.7 30.5 70.5

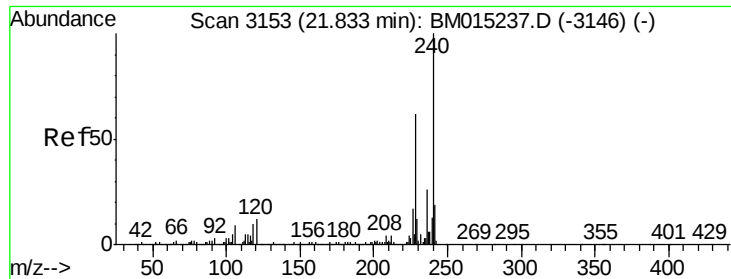


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM

Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT2-2018

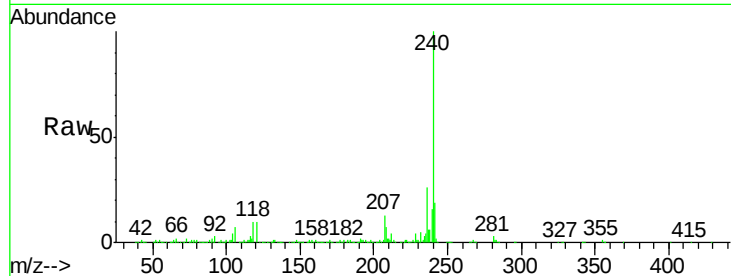
Tgt Ion:240 Resp: 840616

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

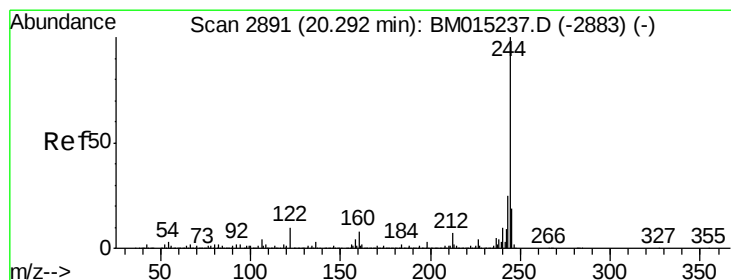
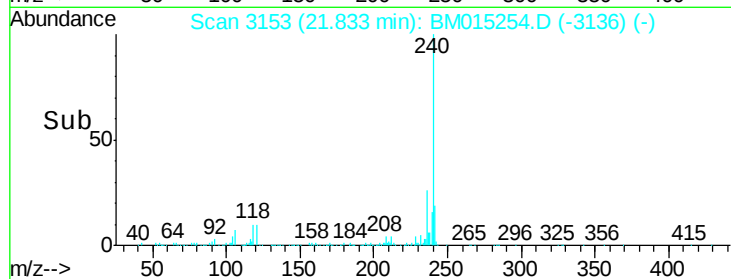
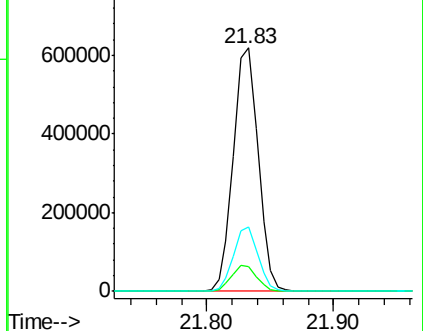
236 26.4 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 93.753 ng

RT: 20.29 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BM015254.D

Acq: 22 May 2018 23:40

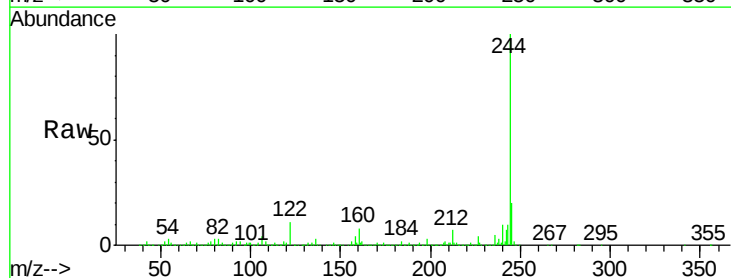
Tgt Ion:244 Resp: 3568964

Ion Ratio Lower Upper

244 100

212 7.4 4.9 7.3#

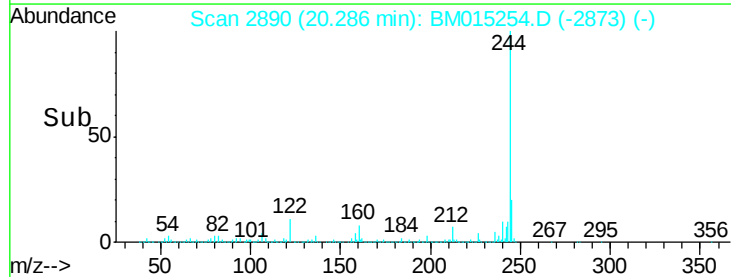
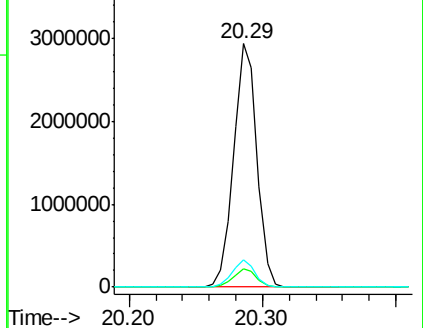
122 11.2 6.2 9.4#

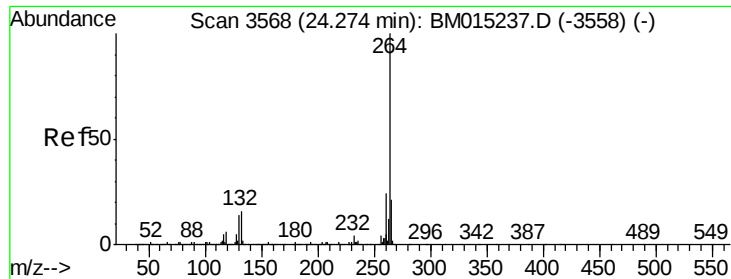


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

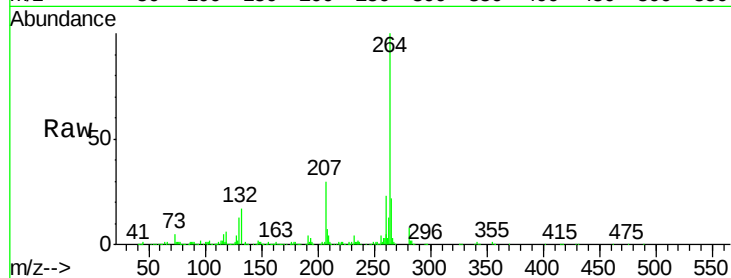




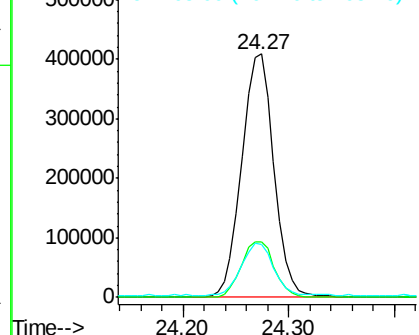
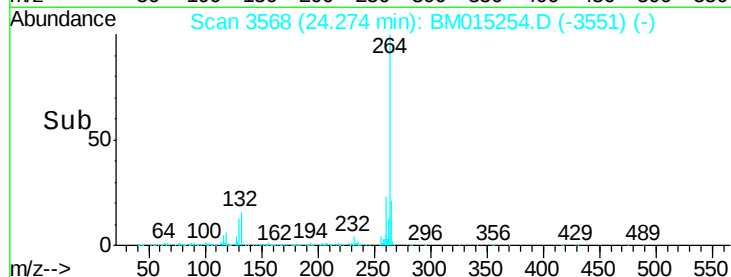
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.27 min Scan# 3568
Delta R.T. 0.00 min
Lab File: BM015254.D
Acq: 22 May 2018 23:40

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.6	27.8
265	21.9	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052218\
 Data File : BM015254.D
 Acq On : 22 May 2018 23:40
 Operator : SJ/JU
 Sample : J2133-07
 Misc : LOD 5 PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: May 23 05:37:19 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM052218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 22 15:47:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	191817	20.00	ng	0.00
21) Naphthalene-d8	11.24	136	763447	20.00	ng	0.00
38) Acenaphthene-d10	15.02	164	394492	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	824436	20.00	ng	0.00
75) Chrysene-d12	21.83	240	840616	20.00	ng	0.00
86) Perylene-d12	24.27	264	864604	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.89	112	1601254	136.58	ng	0.00
7) Phenol-d6	7.55	99	2023065	132.51	ng	0.00
23) Nitrobenzene-d5	9.59	82	1213107	87.05	ng	0.00
41) 2,4,6-Tribromophenol	16.49	330	701575	141.82	ng	0.00
44) 2-Fluorobiphenyl	13.65	172	2661292	83.86	ng	0.00
78) Terphenyl-d14	20.29	244	3568964	93.75	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.62	88	24946	5.150	ng	# 100
3) Pyridine	4.09	79	44669	3.600	ng	# 85
4) n-Nitrosodimethylamine	3.99	42	26674	3.973	ng	# 60
32) Benzoic acid	10.47	122	26552	3.887	ng	90
33) 4-Chloroaniline	11.40	127	70855	4.474	ng	# 92
35) Caprolactam	12.16	113	10653	3.366	ng	91
52) 3-Nitroaniline	14.92	138	25816	3.733	ng	# 79
55) 4-Nitrophenol	15.22	139	16002	2.853	ng	# 56
64) 4,6-Dinitro-2-methylphenol	16.13	198	13884	3.051	ng	95

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