

Data Path : Z:\HPCHEM1\BNA M\DATA\BM020818\
 Data File : BM014187.D
 Acq On : 08 Feb 2018 10:50
 Operator : SJ/JU
 Sample : J1161-09
 Misc : LOD 5 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT1-2018

Quant Time: Feb 08 17:07:30 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 17:16:49 2018
 Response via : Initial Calibration

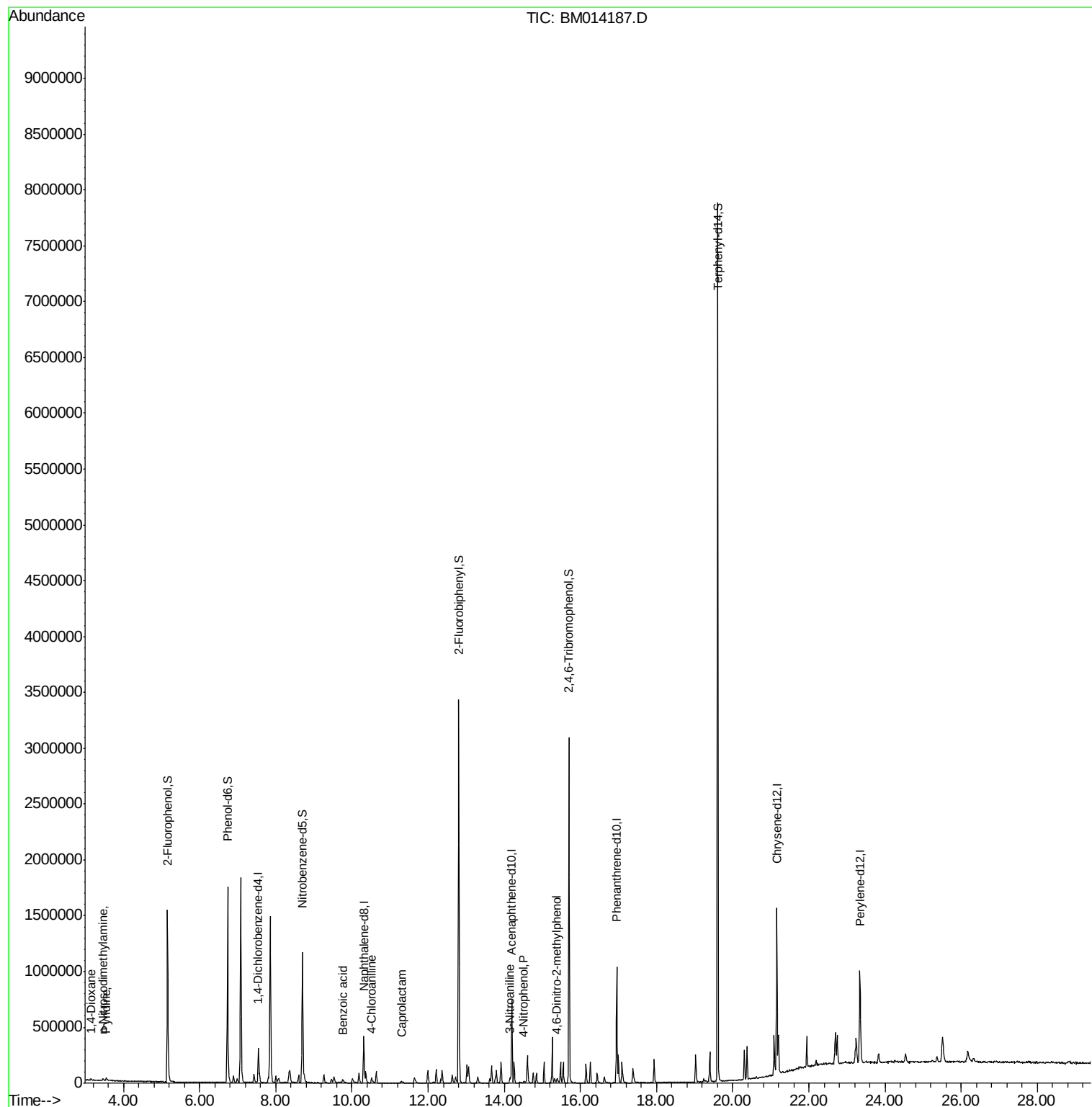
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	64392	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	294387	20.00	ng	0.00
38) Acenaphthene-d10	14.20	164	204661	20.00	ng	0.00
63) Phenanthrene-d10	16.96	188	533514	20.00	ng	0.00
75) Chrysene-d12	21.16	240	634391	20.00	ng	0.00
86) Perylene-d12	23.34	264	606436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	528311	143.00	ng	0.00
7) Phenol-d6	6.73	99	716262	136.89	ng	0.00
23) Nitrobenzene-d5	8.70	82	634393	96.26	ng	0.00
41) 2,4,6-Tribromophenol	15.70	330	398808	137.33	ng	0.00
44) 2-Fluorobiphenyl	12.81	172	1475499	90.00	ng	0.00
78) Terphenyl-d14	19.60	244	2799185	86.22	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	7797	5.136	ng	# 100
3) Pyridine	3.55	79	16163	3.845	ng	# 89
4) n-Nitrosodimethylamine	3.46	42	13319	4.974	ng	# 41
32) Benzoic acid	9.75	122	1075	6.464	ng	# 66
33) 4-Chloroaniline	10.52	127	22542	3.364	ng	# 84
35) Caprolactam	11.30	113	4307	2.763	ng	# 48
52) 3-Nitroaniline	14.15	138	13737	3.532	ng	# 78
55) 4-Nitrophenol	14.52	139	3879	6.960	ng	# 61
64) 4,6-Dinitro-2-methylphenol	15.39	198	8555	7.638	ng	# 74

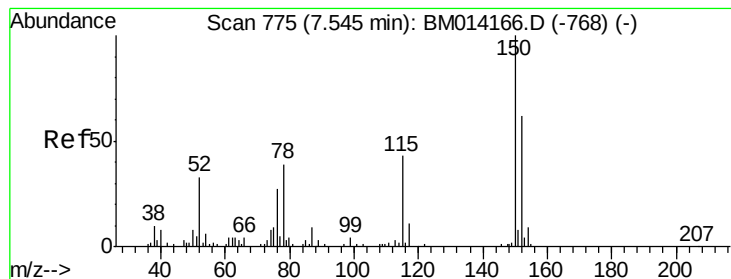
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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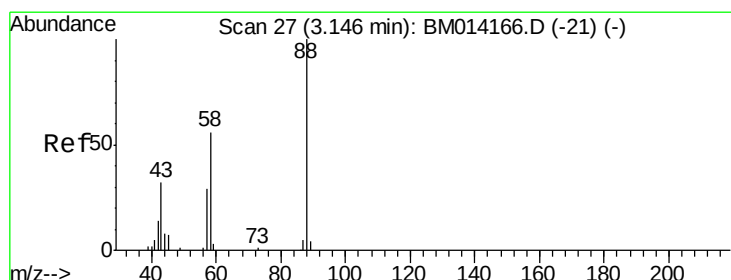
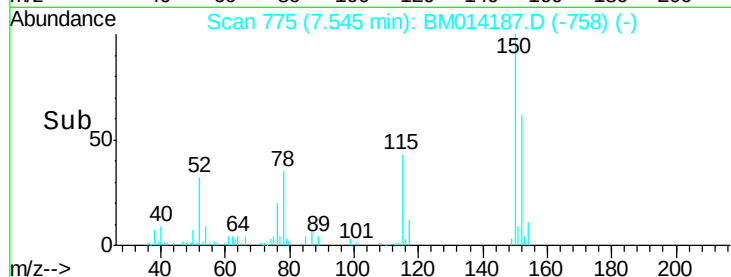
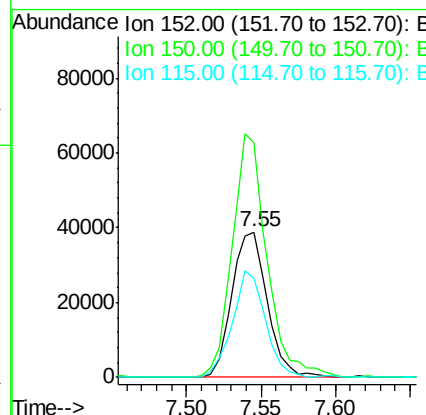
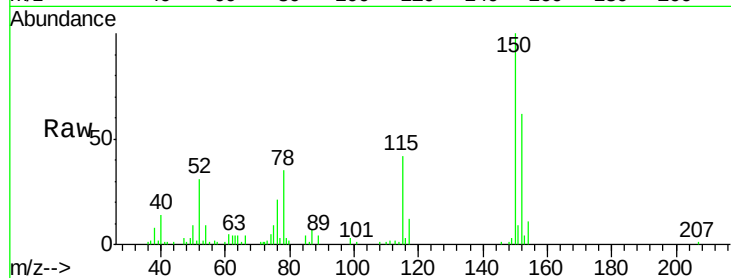


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 775
Delta R.T. -0.00 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT1-2018

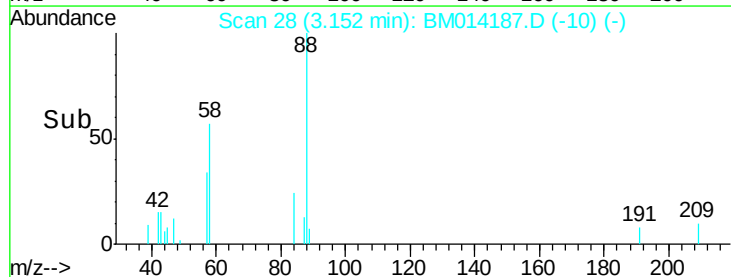
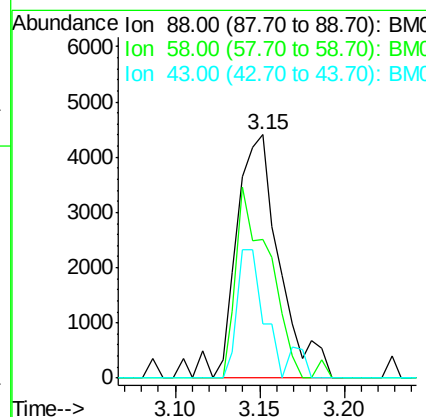
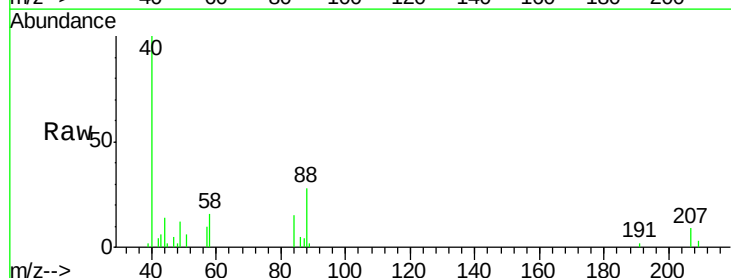
Tot Ion:152 Resp: 64392
Ion Ratio Lower Upper
152 100
150 161.5 119.5 179.3
115 68.5 43.0 64.4#

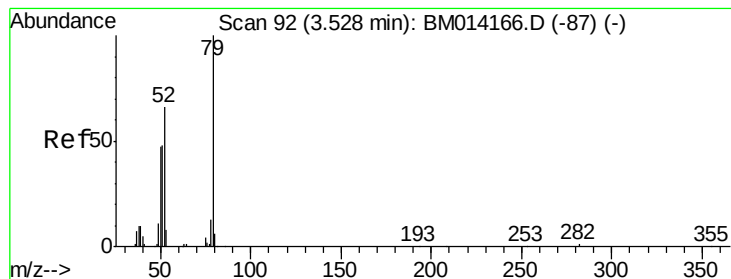


#2

1,4-Dioxane
Concen: 5.136 ng
RT: 3.15 min Scan# 28
Delta R.T. 0.01 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

Tgt Ion: 88 Resp: 7797
Ion Ratio Lower Upper
88 100
58 60.7 0.0 0.0#
43 36.9 0.0 0.0#





#3

Pvridine

Concen: 3.845 ng

RT: 3.55 min Scan# 95

Delta R.T. 0.02 min

Lab File: BM014187.D

Acq: 08 Feb 2018 10:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT1-2018

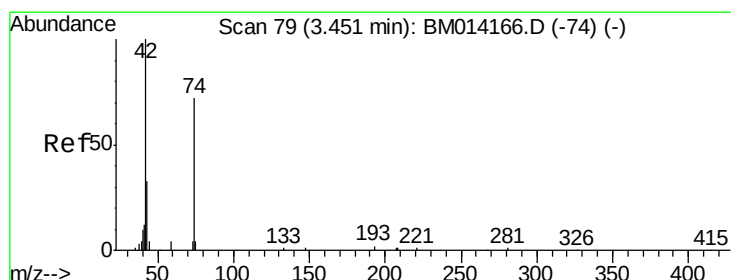
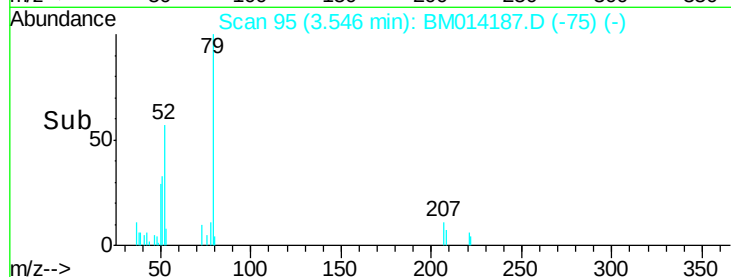
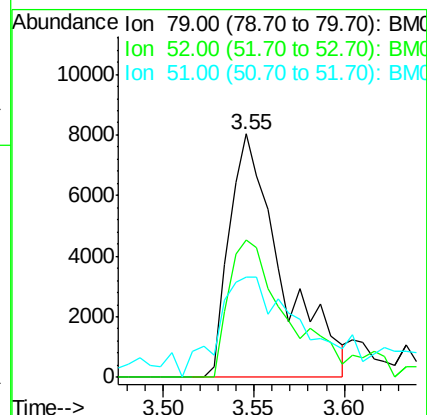
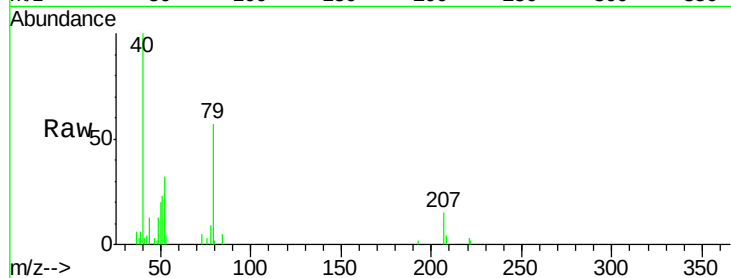
Tot Ion: 79 Resp: 16163

Ion Ratio Lower Upper

79 100

52 56.6 51.1 76.7

51 40.9 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 4.974 ng

RT: 3.46 min Scan# 80

Delta R.T. 0.01 min

Lab File: BM014187.D

Acq: 08 Feb 2018 10:50

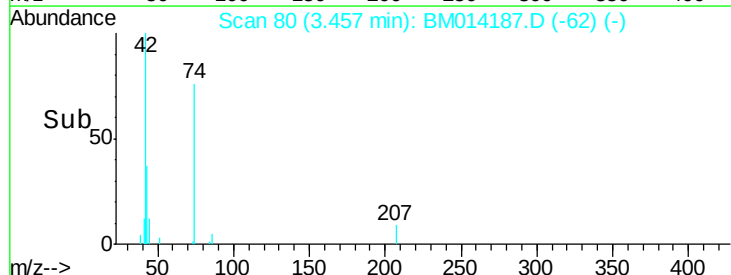
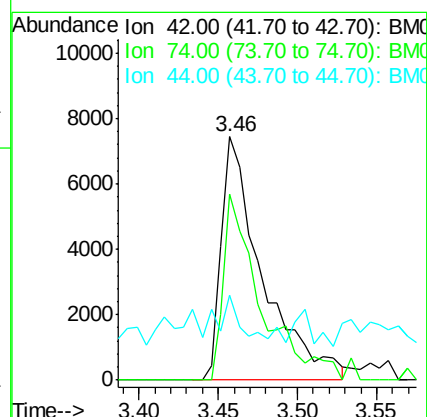
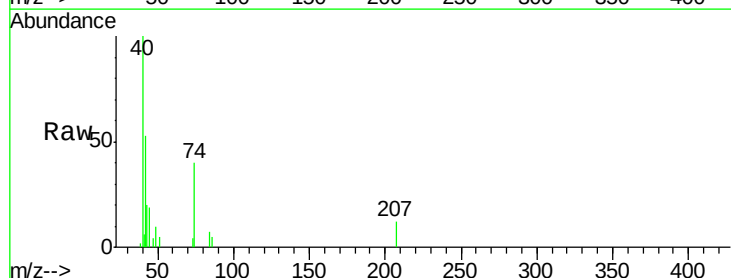
Tgt Ion: 42 Resp: 13319

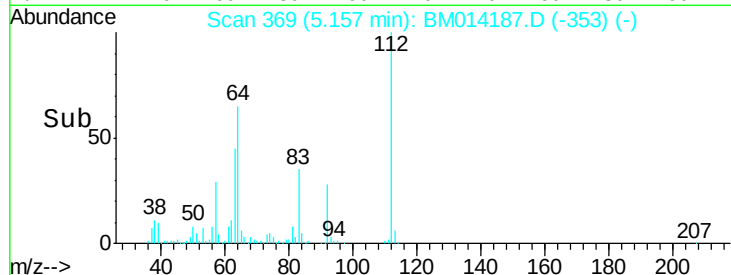
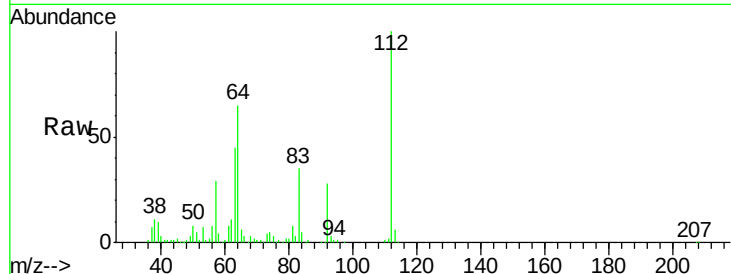
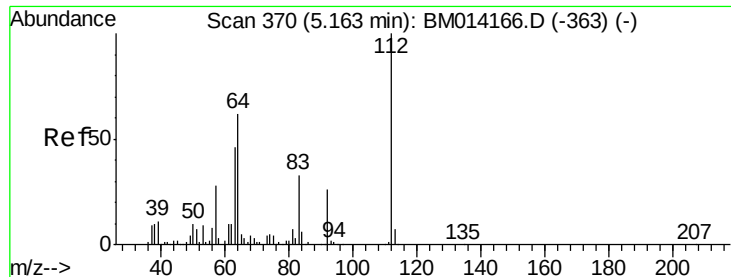
Ion Ratio Lower Upper

42 100

74 76.2 119.3 178.9#

44 35.0 5.4 8.2#





#5

2-Fluorophenol

Concen: 143.005 ng

RT: 5.16 min Scan# 369

Delta R.T. -0.01 min

Lab File: BM014187.D

Acq: 08 Feb 2018 10:50

Instrument :

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ClientSampleId :

MDL-WATER-03-QT1-2018

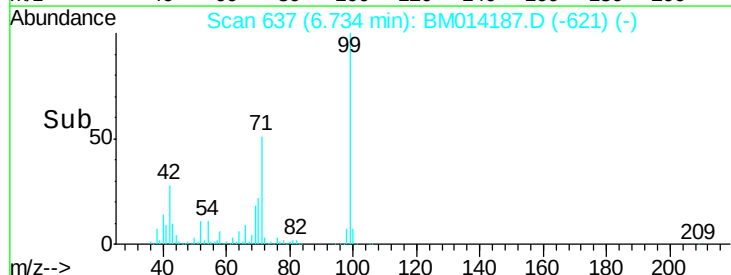
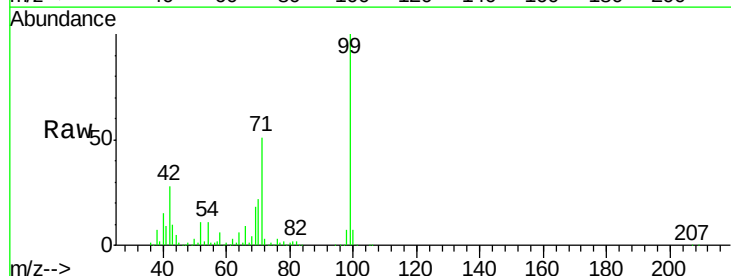
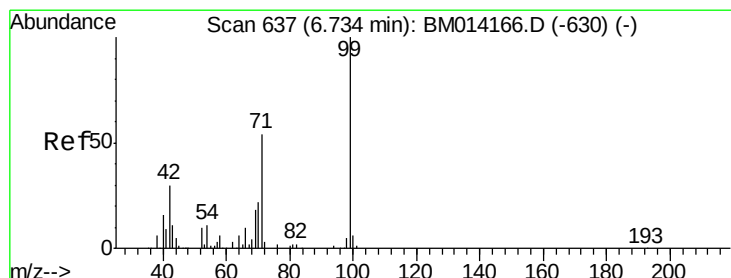
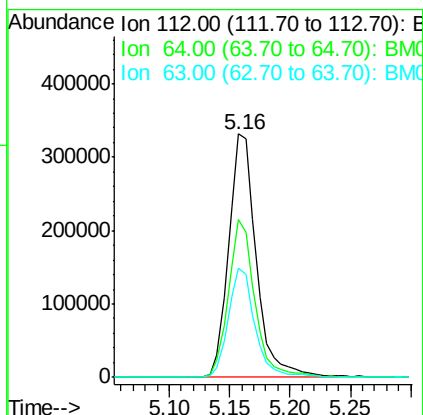
Tot Ion:112 Resp: 528311

Ion Ratio Lower Upper

112 100

64 64.9 38.6 57.8#

63 45.1 19.3 28.9#



#7

Phenol-d6

Concen: 136.894 ng

RT: 6.73 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM014187.D

Acq: 08 Feb 2018 10:50

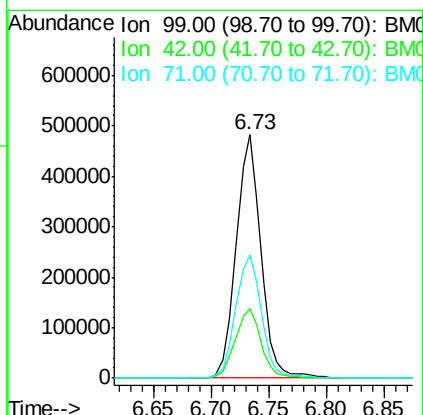
Tgt Ion: 99 Resp: 716262

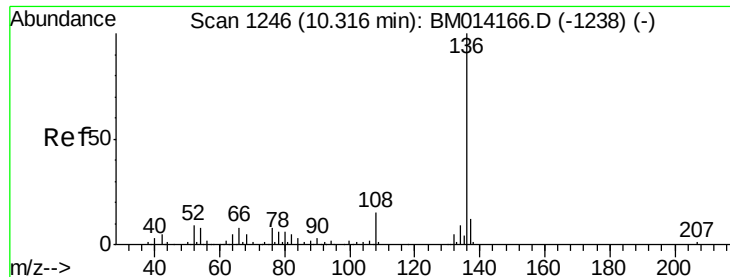
Ion Ratio Lower Upper

99 100

42 28.5 11.0 16.4#

71 50.7 23.4 35.2#

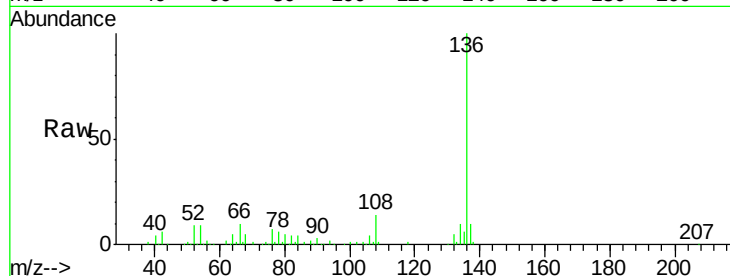




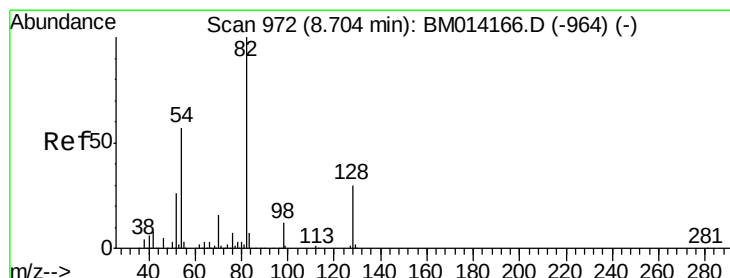
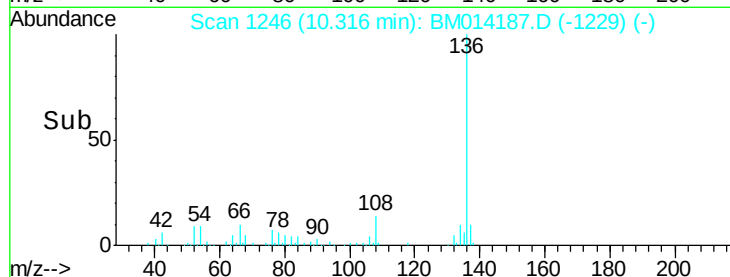
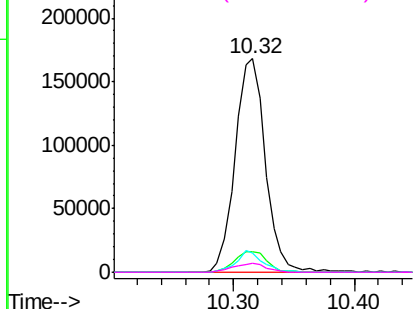
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

Instrument :
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ClientSampleId :
MDL-WATER-03-QT1-2018

Tot Ion:136	Resp:	294387
Ion Ratio	Lower	Upper
136	100	
137	9.6	8.7 13.1
54	8.8	4.6 6.8#
68	4.5	3.7 5.5

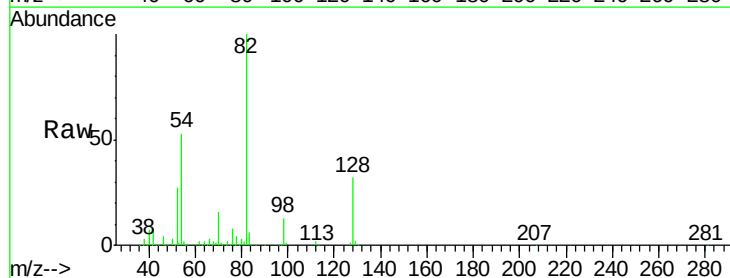


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

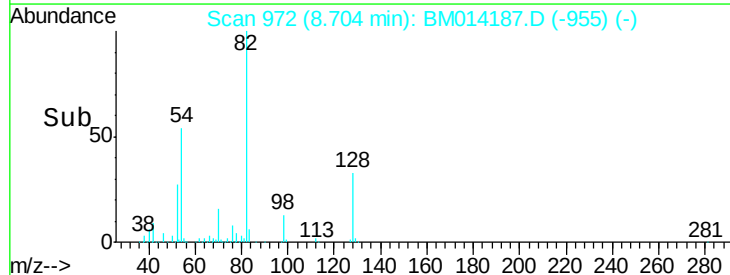
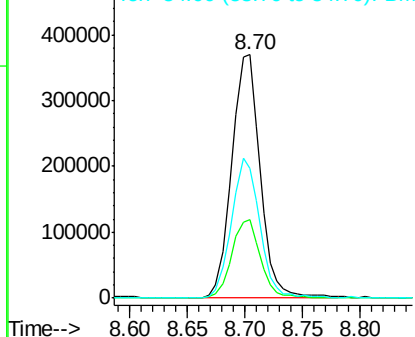


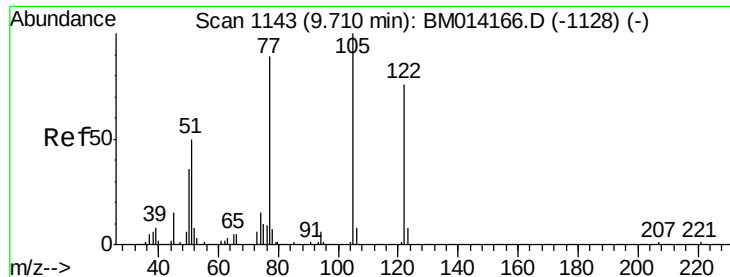
#23
Nitrobenzene-d5
Concen: 96.257 ng
RT: 8.70 min Scan# 972
Delta R.T. -0.00 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

Tgt Ion: 82	Resp:	634393
Ion Ratio	Lower	Upper
82	100	
128	32.5	32.8 49.2#
54	53.4	40.6 60.8



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

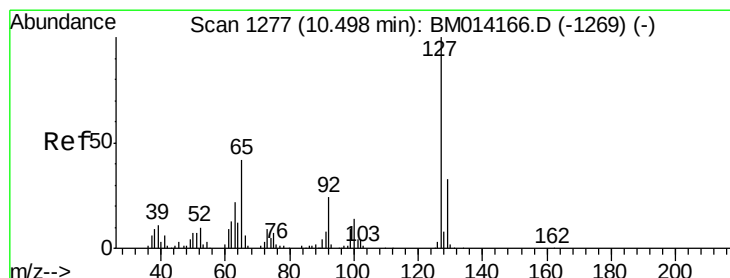
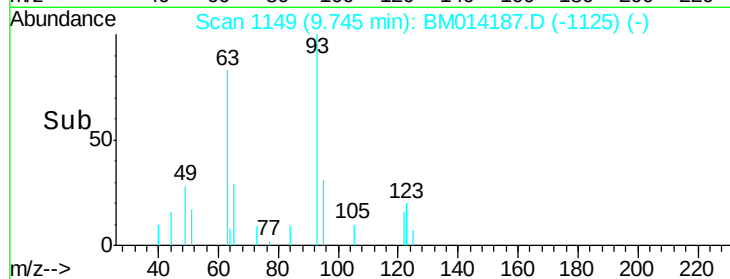
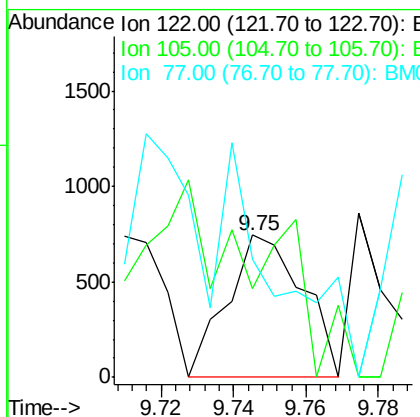
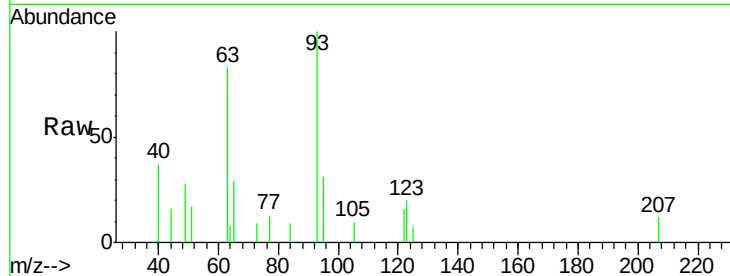




#32
Benzoic acid
Concen: 6.464 ng
RT: 9.75 min Scan# 1149
Delta R.T. 0.04 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

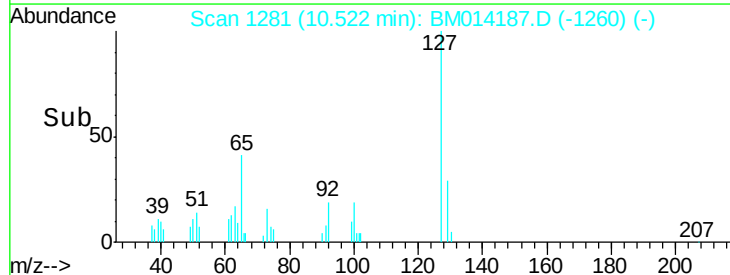
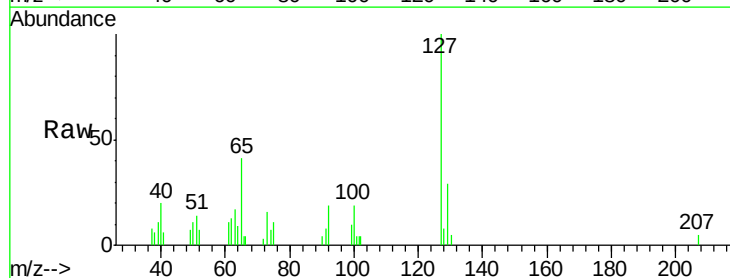
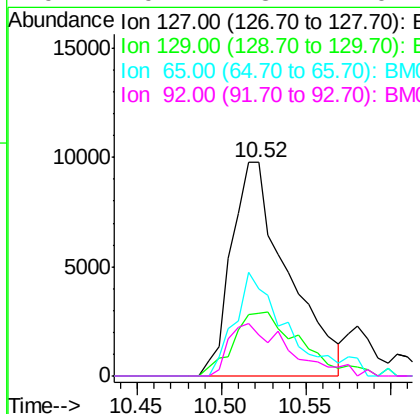
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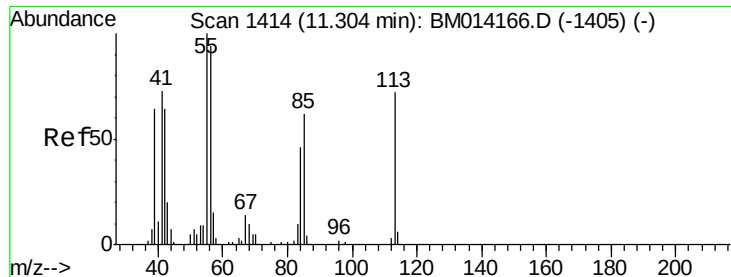
Tot Ion:122 Resp: 1075
Ion Ratio Lower Upper
122 100
105 62.3 99.9 139.9#
77 83.1 73.7 113.7



#33
4-Chloroaniline
Concen: 3.364 ng
RT: 10.52 min Scan# 1281
Delta R.T. 0.02 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

Tgt Ion:127 Resp: 22542
Ion Ratio Lower Upper
127 100
129 29.5 25.3 37.9
65 40.9 17.6 26.4#
92 19.2 13.1 19.7

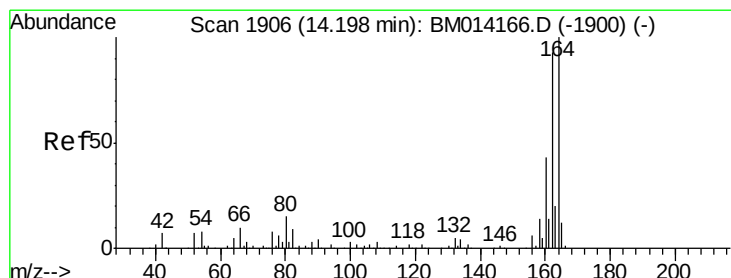
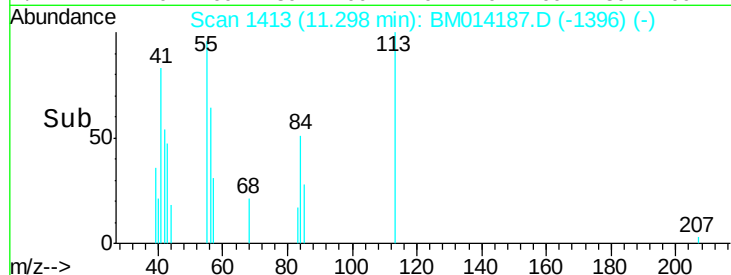
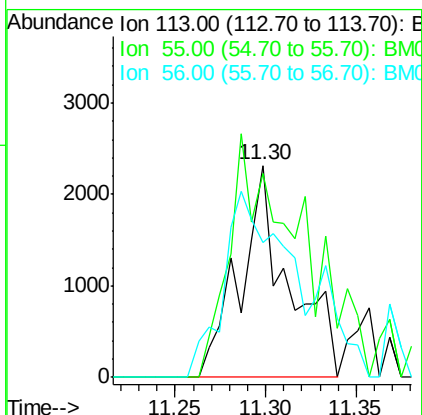
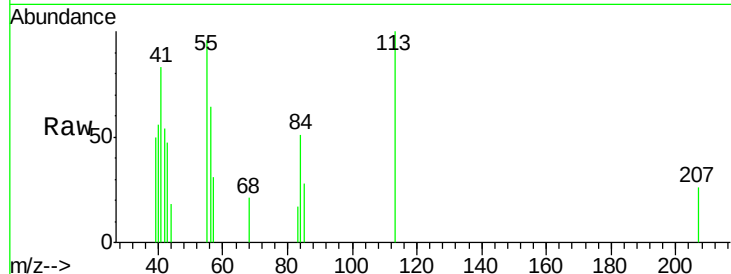




#35
 Caprolactam
 Concen: 2.763 ng
 RT: 11.30 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BM014187.D
 Acq: 08 Feb 2018 10:50

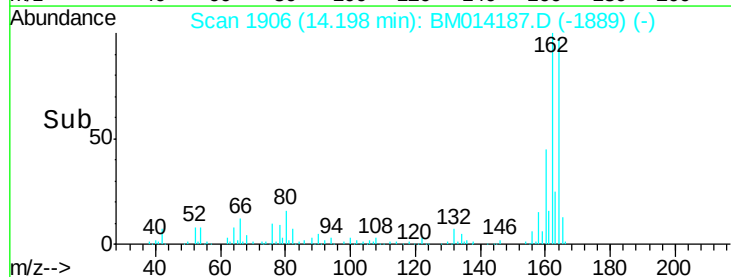
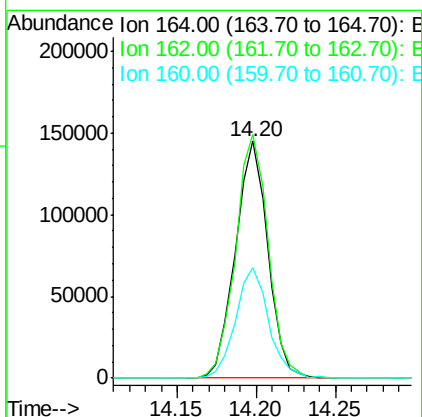
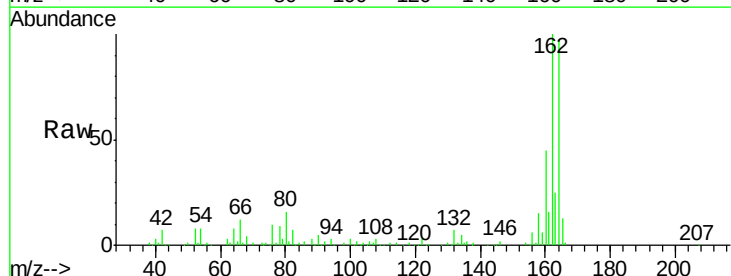
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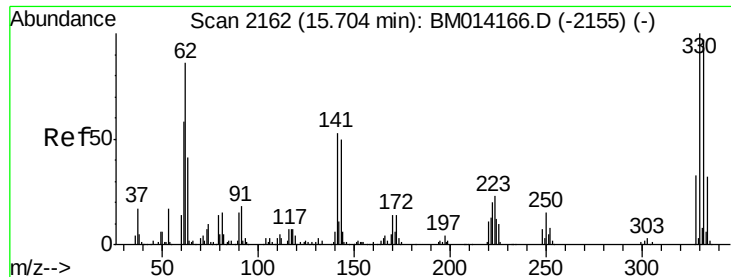
Tot Ion:113 Resp: 4307
 Ion Ratio Lower Upper
 113 100
 55 96.0 145.9 185.9#
 56 63.6 101.0 141.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.20 min Scan# 1906
 Delta R.T. -0.00 min
 Lab File: BM014187.D
 Acq: 08 Feb 2018 10:50

Tgt Ion:164 Resp: 204661
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.4 123.6
 160 46.6 35.8 53.6

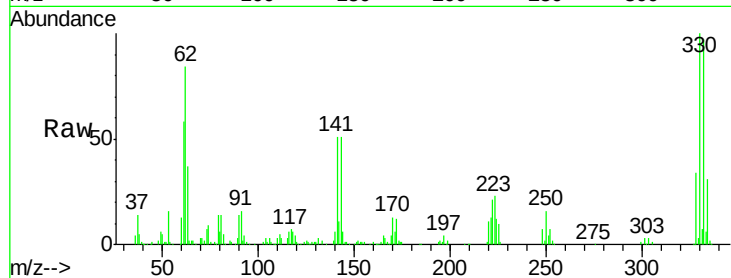




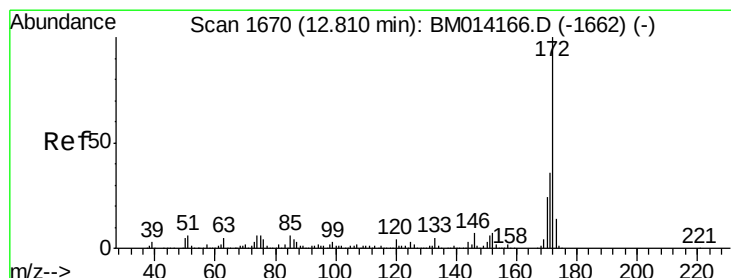
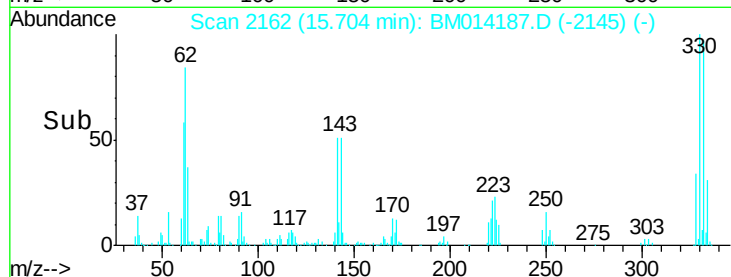
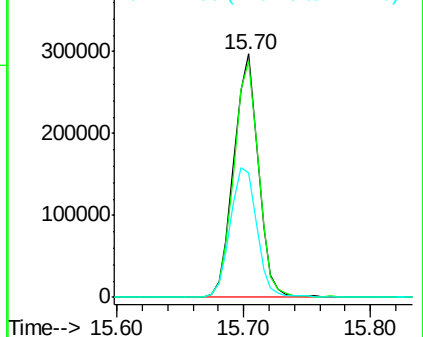
#41
 2,4,6-Tribromophenol
 Concen: 137.327 ng
 RT: 15.70 min Scan# 2162
 Delta R.T. -0.00 min
 Lab File: BM014187.D
 Acq: 08 Feb 2018 10:50

Instrument :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	0.0	0.0#
141	57.5	0.0	0.0#

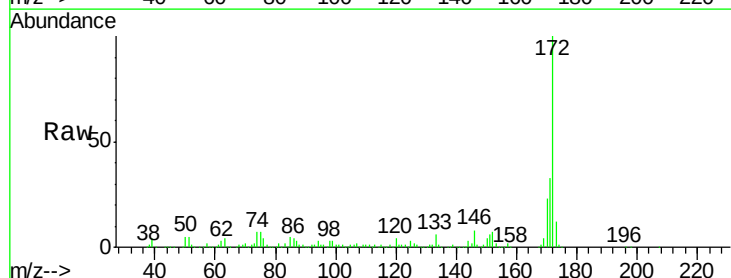


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

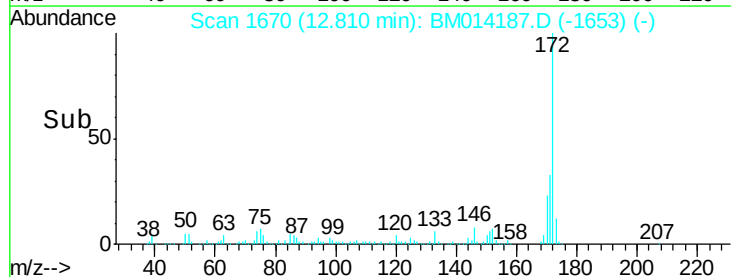
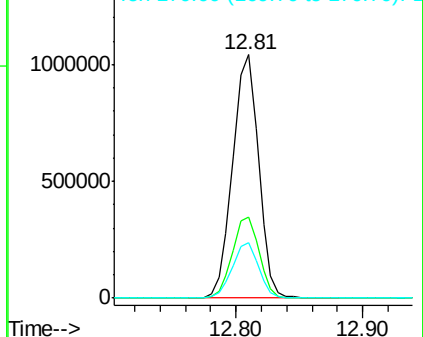


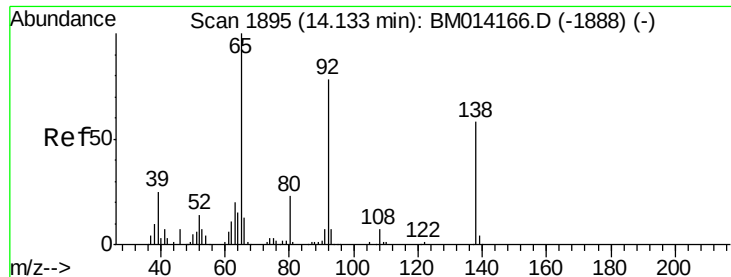
#44
 2-Fluorobiphenyl
 Concen: 89.997 ng
 RT: 12.81 min Scan# 1670
 Delta R.T. -0.00 min
 Lab File: BM014187.D
 Acq: 08 Feb 2018 10:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	28.5	42.7
170	22.7	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: 3.532 ng

RT: 14.15 min Scan# 1897

Delta R.T. 0.01 min

Lab File: BM014187.D

Acq: 08 Feb 2018 10:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT1-2018

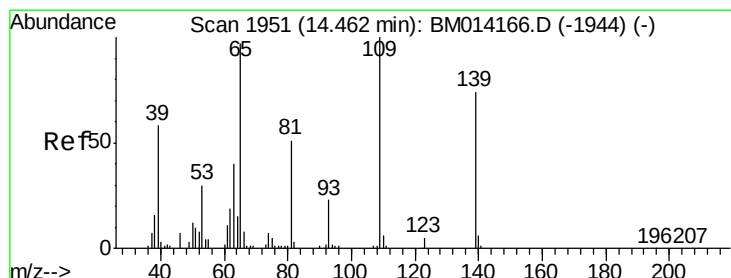
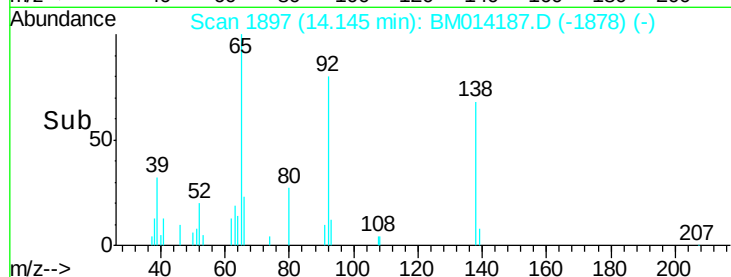
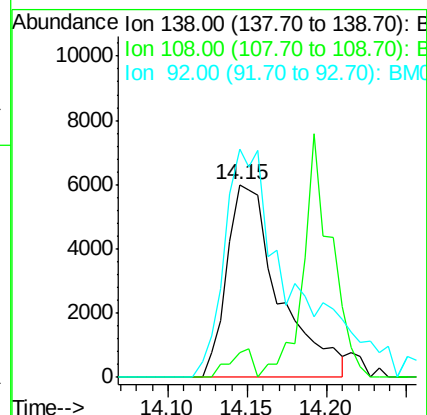
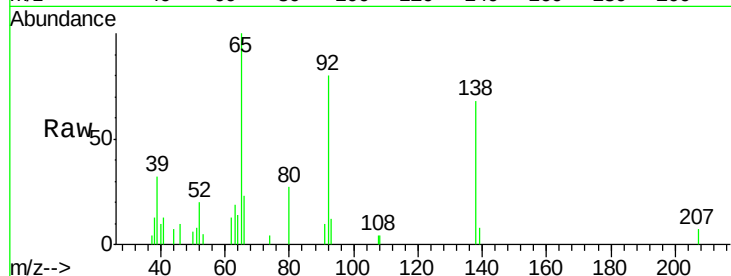
Tot Ion:138 Resp: 13737

Ion Ratio Lower Upper

138 100

108 12.6 7.3 10.9#

92 118.5 76.6 114.8#



#55

4-Nitrophenol

Concen: 6.960 ng

RT: 14.52 min Scan# 1960

Delta R.T. 0.05 min

Lab File: BM014187.D

Acq: 08 Feb 2018 10:50

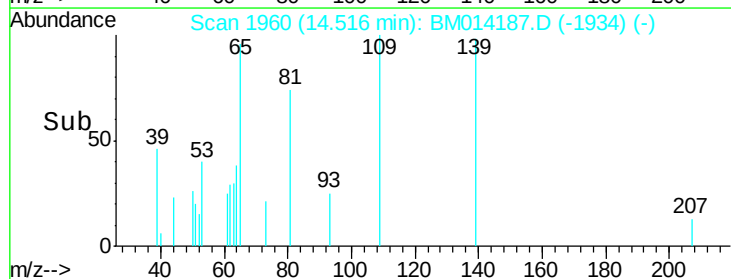
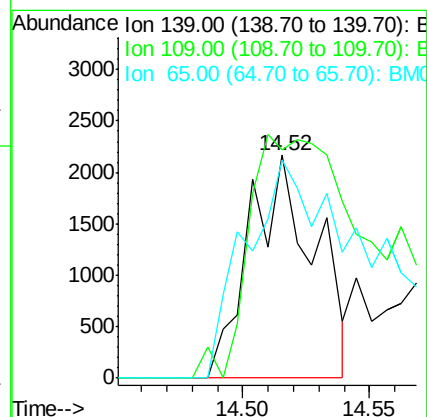
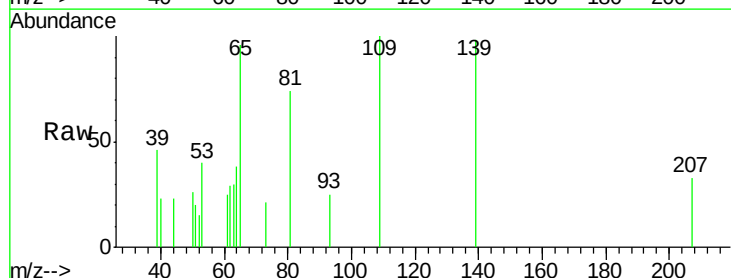
Tgt Ion:139 Resp: 3879

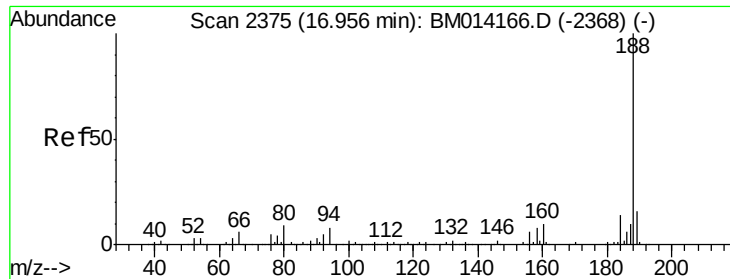
Ion Ratio Lower Upper

139 100

109 102.4 130.0 170.0#

65 97.9 130.0 170.0#

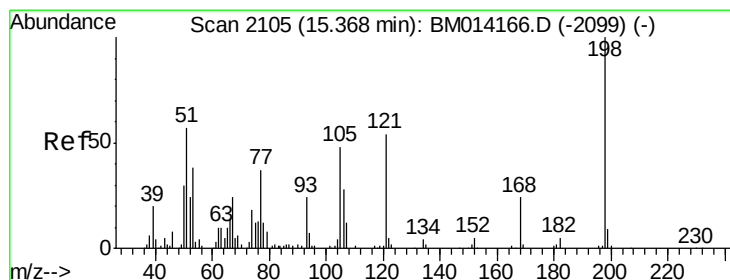
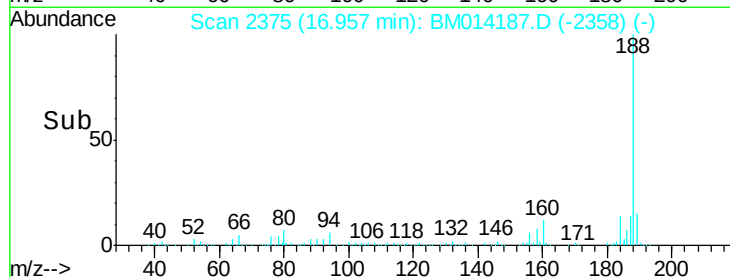
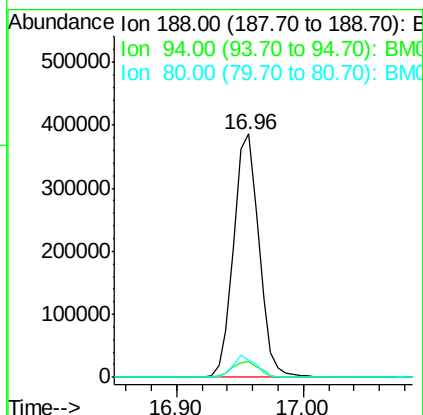
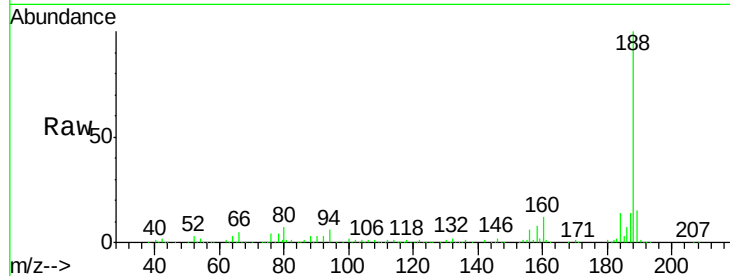




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2375
Delta R.T. -0.00 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

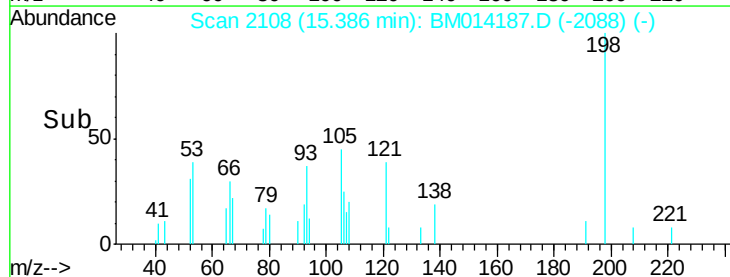
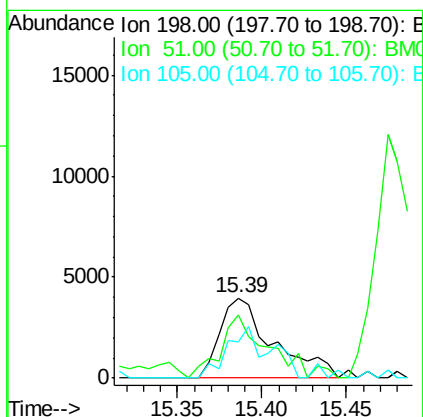
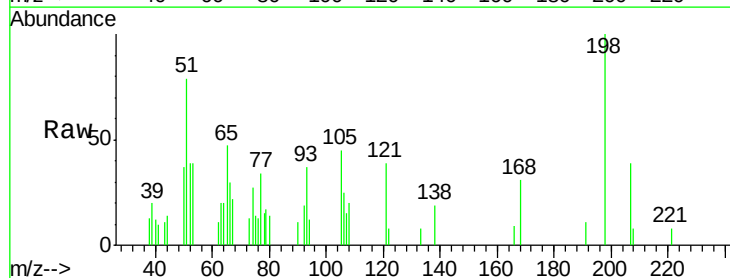
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT1-2018

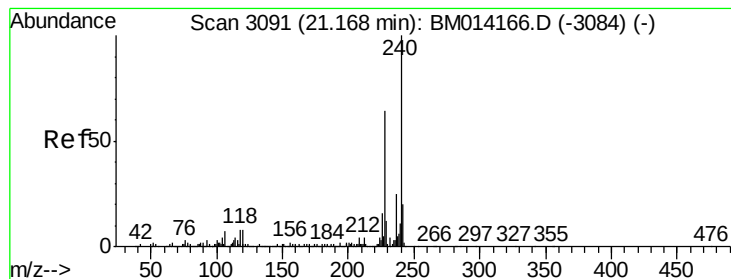
Tot Ion:188 Resp: 533514
Ion Ratio Lower Upper
188 100
94 6.4 8.7 13.1#
80 7.0 9.3 13.9#



#64
4,6-Dinitro-2-methylphenol
Concen: 7.638 ng
RT: 15.39 min Scan# 2108
Delta R.T. 0.02 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

Tgt Ion:198 Resp: 8555
Ion Ratio Lower Upper
198 100
51 79.2 28.8 68.8#
105 45.1 30.5 70.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM014187.D

Acq: 08 Feb 2018 10:50

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT1-2018

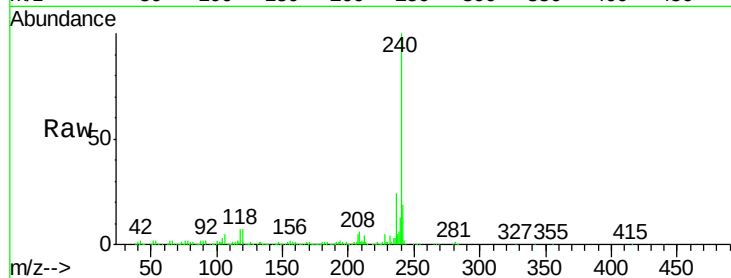
Tot Ion:240 Resp: 634391

Ion Ratio Lower Upper

240 100

120 6.7 8.2 12.2#

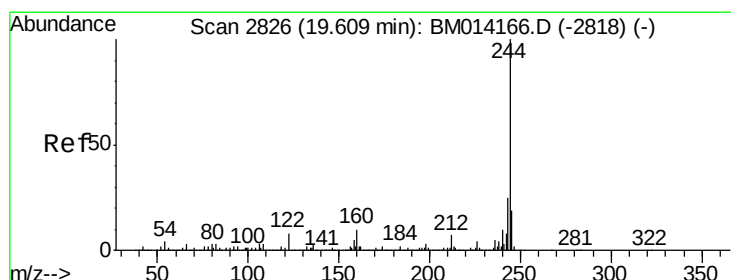
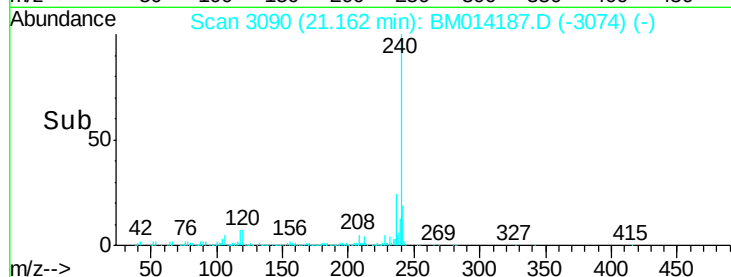
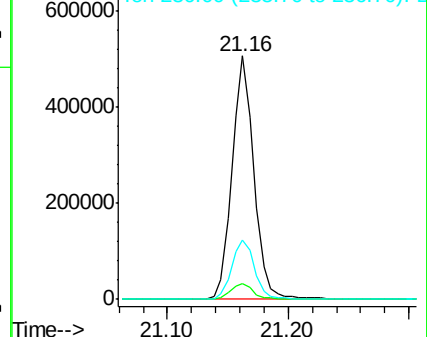
236 24.4 20.0 30.0



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: 86.216 ng

RT: 19.60 min Scan# 2825

Delta R.T. -0.00 min

Lab File: BM014187.D

Acq: 08 Feb 2018 10:50

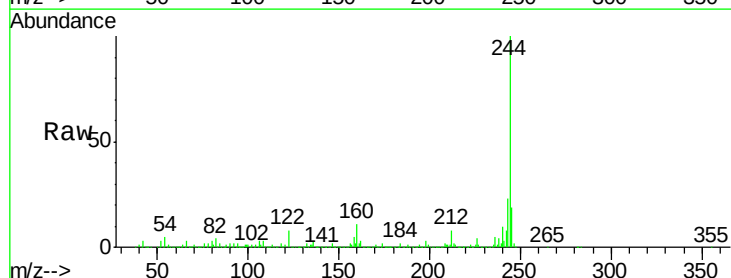
Tgt Ion:244 Resp: 2799185

Ion Ratio Lower Upper

244 100

212 8.2 4.9 7.3#

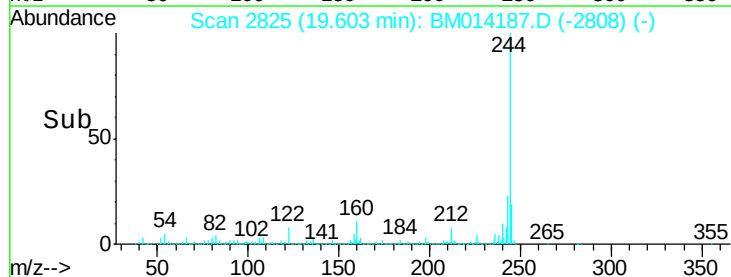
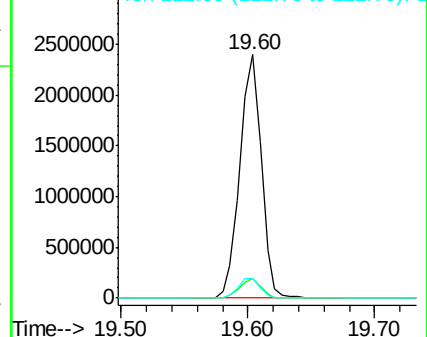
122 8.0 6.2 9.4

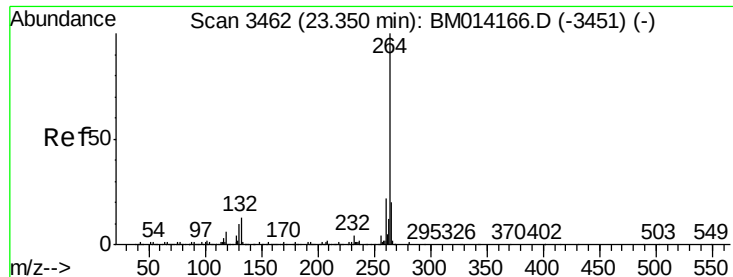


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.34 min Scan# 3460
Delta R.T. -0.01 min
Lab File: BM014187.D
Acq: 08 Feb 2018 10:50

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT1-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	20.9	17.3	25.9

