

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016051.D
 Acq On : 24 Jul 2018 06:39
 Operator : SJ/JU
 Sample : J3762-09
 Misc : MDL 5 PPM
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Quant Time: Jul 24 09:36:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	39581	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	148661	20.00	ng	0.00
38) Acenaphthene-d10	14.85	164	81499	20.00	ng	0.00
63) Phenanthrene-d10	17.58	188	171644	20.00	ng	0.00
75) Chrysene-d12	21.70	240	191629	20.00	ng	0.00
86) Perylene-d12	24.07	264	205621	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.74	112	297860	125.00	ng	0.00
7) Phenol-d6	7.38	99	371279	119.31	ng	0.00
23) Nitrobenzene-d5	9.41	82	286629	89.68	ng	0.00
41) 2,4,6-Tribromophenol	16.33	330	130907	126.64	ng	0.00
44) 2-Fluorobiphenyl	13.47	172	580795	86.71	ng	0.00
78) Terphenyl-d14	20.15	244	1108853	121.13	ng	0.00

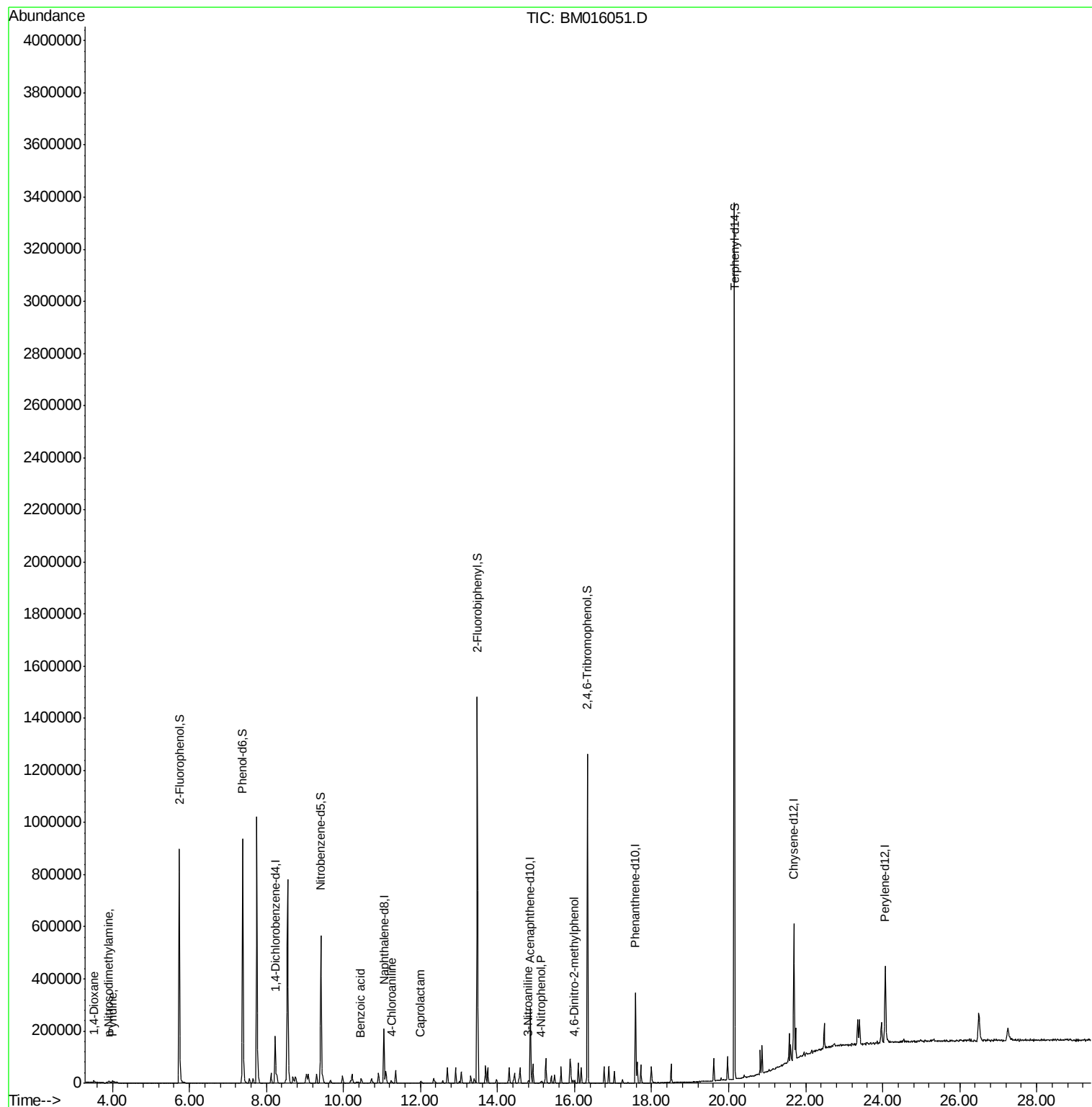
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.52	88	4706	4.215	ng	# 100
3) Pyridine	4.00	79	7090	2.636	ng	# 79
4) n-Nitrosodimethylamine	3.90	42	6478	3.088	ng	# 38
32) Benzoic acid	10.43	122	115	0.081	ng	# 85
33) 4-Chloroaniline	11.25	127	7722	2.515	ng	# 86
35) Caprolactam	12.00	113	1430	2.322	ng	# 62
52) 3-Nitroaniline	14.80	138	3661	2.362	ng	# 85
55) 4-Nitrophenol	15.12	139	1849	1.664	ng	# 62
64) 4,6-Dinitro-2-methylphenol	16.00	198	2423	2.326	ng	# 77

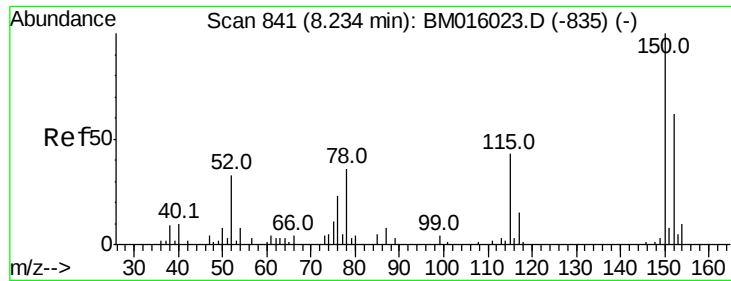
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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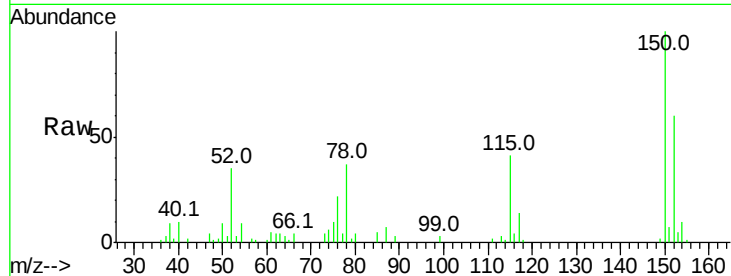


#1

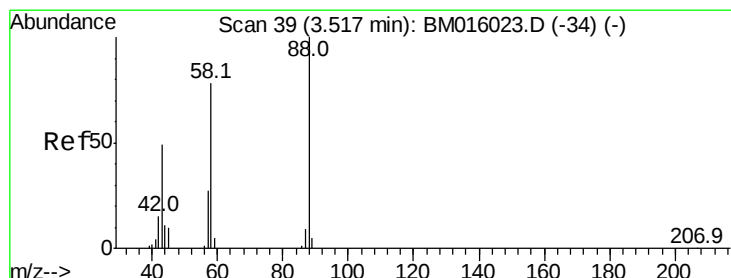
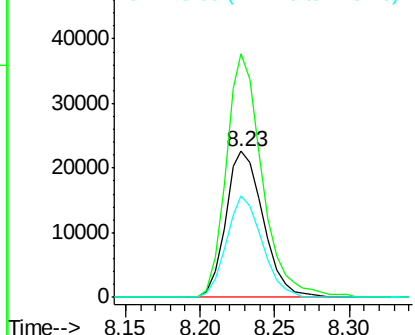
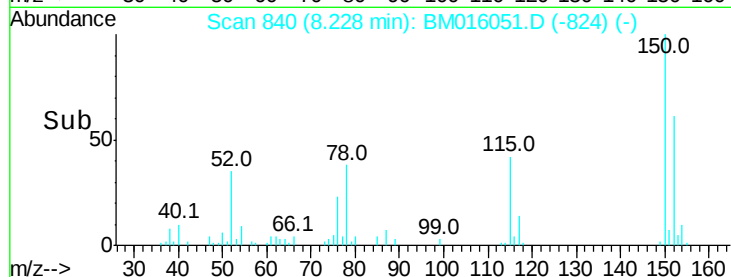
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 840
Delta R.T. -0.01 min
Lab File: BM016051.D
Acq: 24 Jul 2018 06:39

Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

Tot Ion:152 Resp: 39581
Ion Ratio Lower Upper
152 100
150 166.6 119.5 179.3
115 69.0 43.0 64.4#



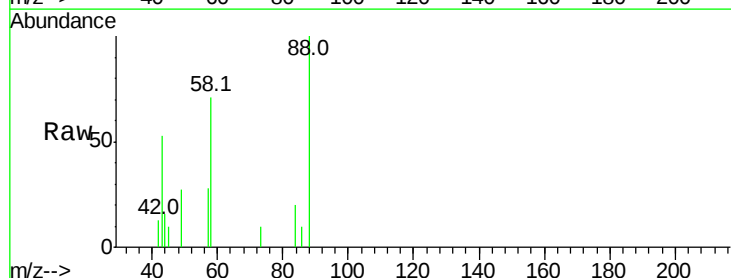
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



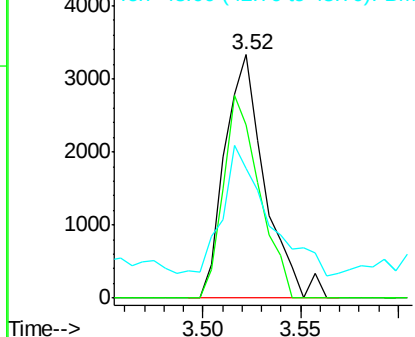
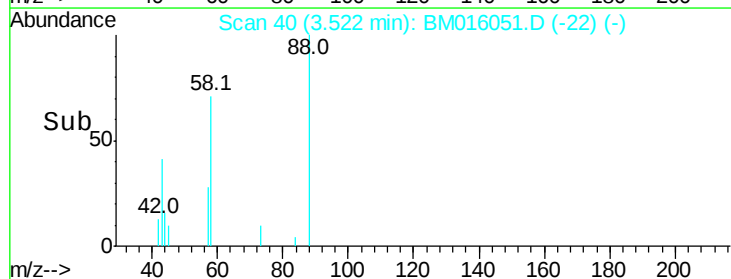
#2

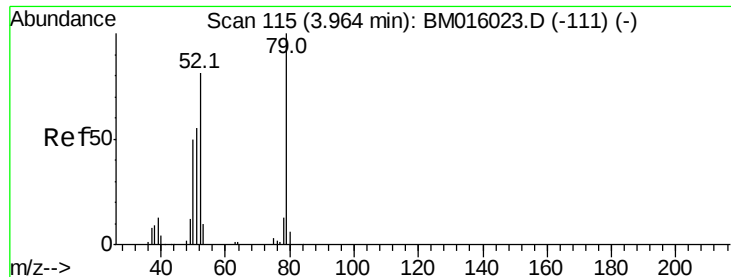
1,4-Dioxane
Concen: 4.215 ng
RT: 3.52 min Scan# 40
Delta R.T. 0.01 min
Lab File: BM016051.D
Acq: 24 Jul 2018 06:39

Tgt Ion: 88 Resp: 4706
Ion Ratio Lower Upper
88 100
58 75.5 0.0 0.0#
43 58.5 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

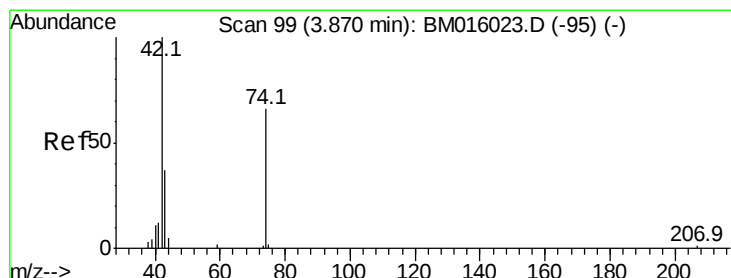
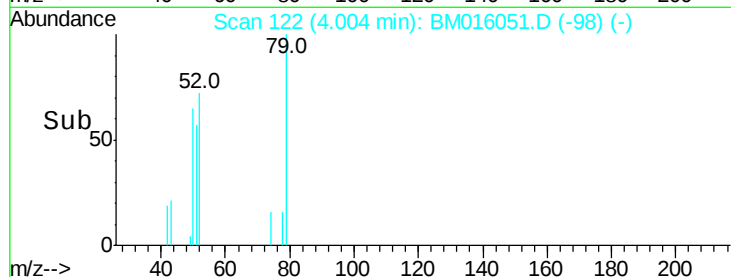
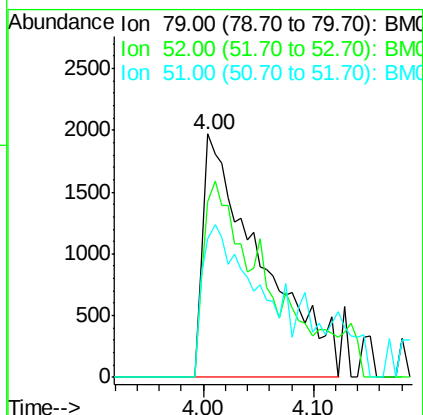
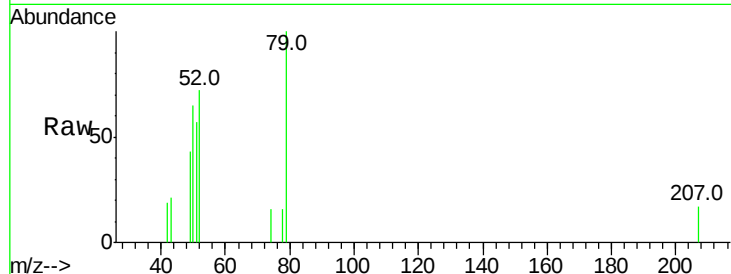




#3
 Pvridine
 Concen: 2.636 ng
 RT: 4.00 min Scan# 122
 Delta R.T. 0.04 min
 Lab File: BM016051.D
 Acq: 24 Jul 2018 06:39

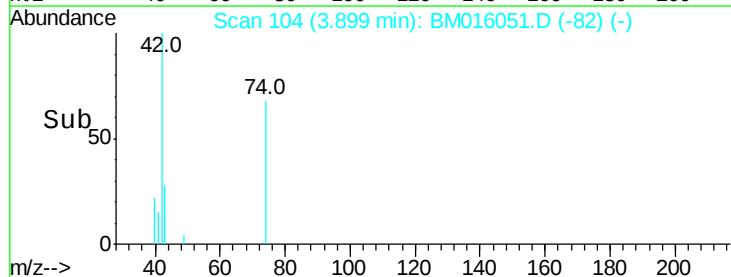
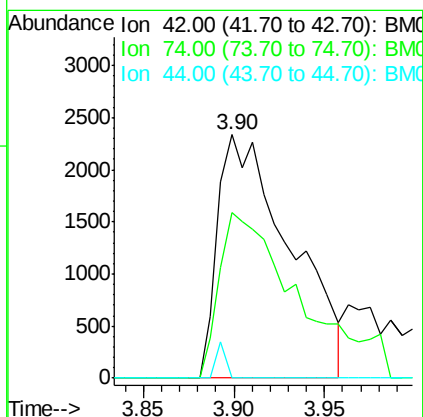
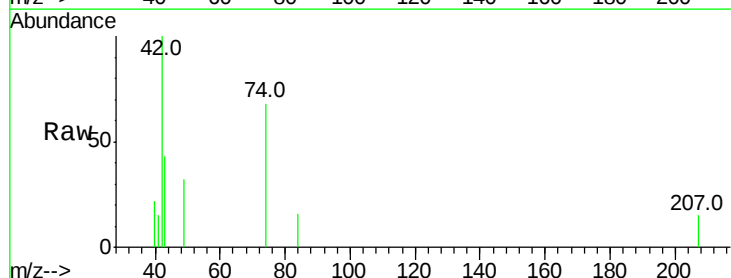
Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

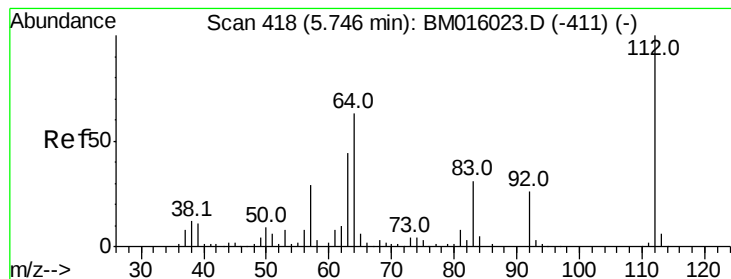
Tot Ion: 79 Resp: 7090
 Ion Ratio Lower Upper
 79 100
 52 71.9 51.1 76.7
 51 57.0 26.1 39.1#



#4
 n-Nitrosodimethylamine
 Concen: 3.088 ng
 RT: 3.90 min Scan# 104
 Delta R.T. 0.03 min
 Lab File: BM016051.D
 Acq: 24 Jul 2018 06:39

Tgt Ion: 42 Resp: 6478
 Ion Ratio Lower Upper
 42 100
 74 67.9 119.3 178.9#
 44 0.0 5.4 8.2#





#5

2-Fluorophenol

Concen: 3.088 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

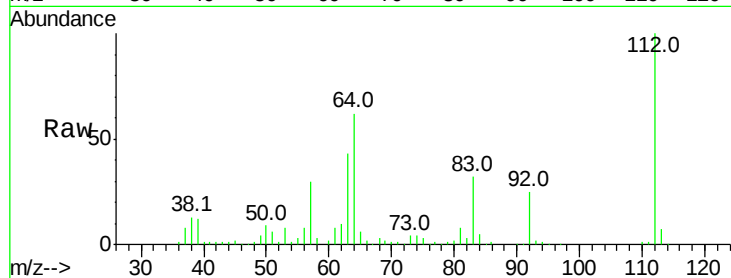
Tot Ion:112 Resp: 297860

Ion Ratio Lower Upper

112 100

64 62.4 38.6 57.8#

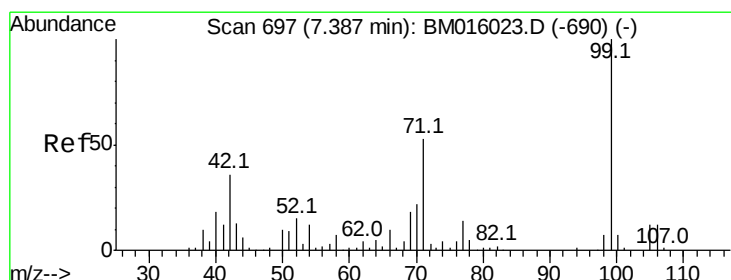
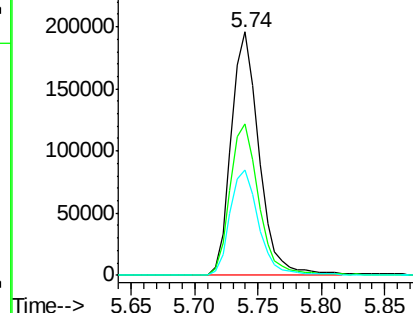
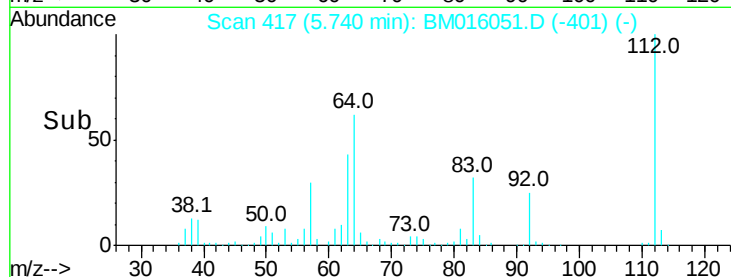
63 43.3 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: N.D. ng

RT: 7.38 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

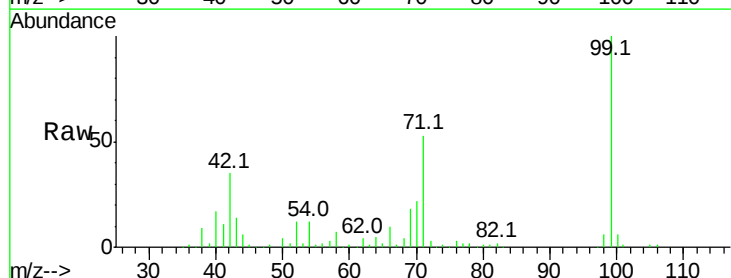
Tgt Ion: 99 Resp: 371279

Ion Ratio Lower Upper

99 100

42 35.0 11.0 16.4#

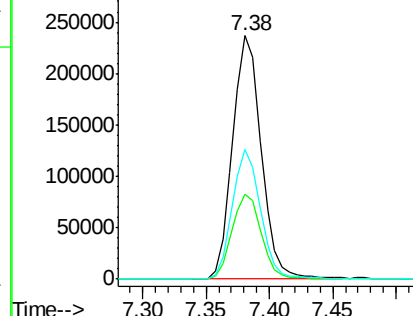
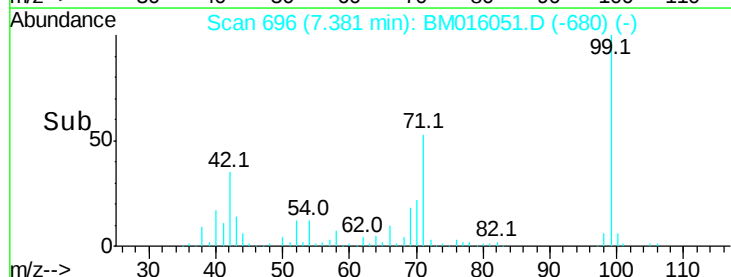
71 53.1 23.4 35.2#

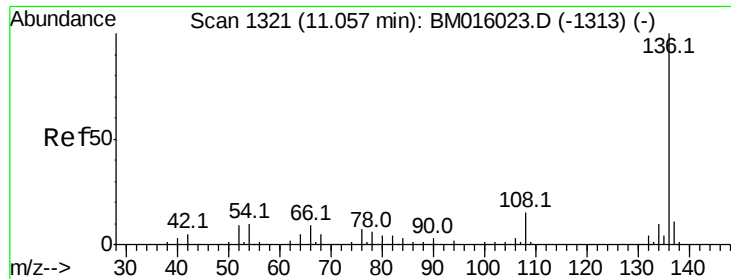


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B

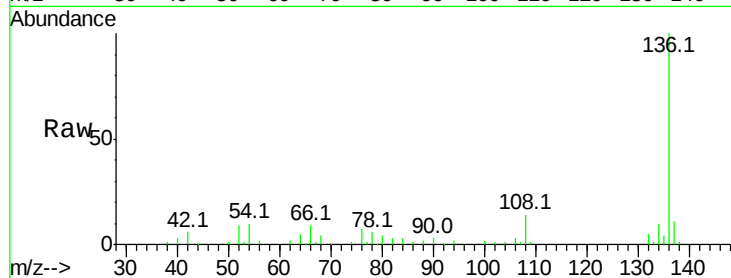




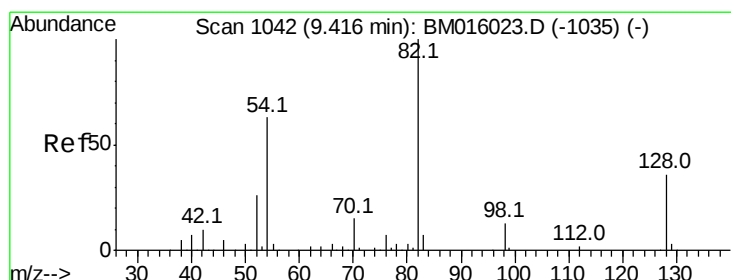
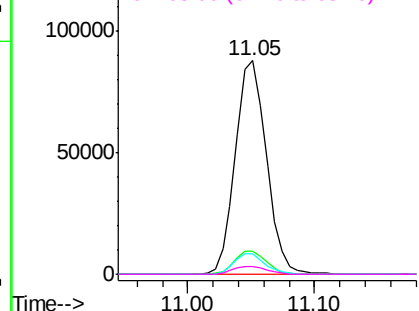
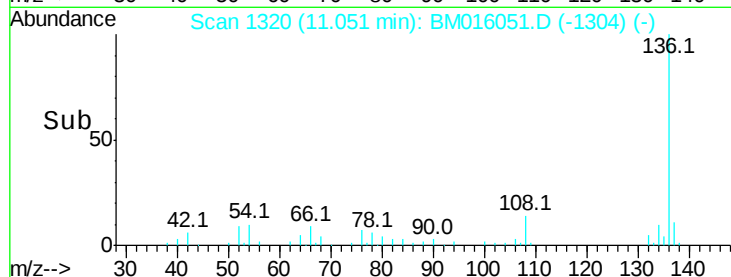
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016051.D
Acq: 24 Jul 2018 06:39

Instrument :
BNA_M
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MDL-WATER-03-QT3-2018

Tot Ion:	136	Resp:	148661
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.6	4.6	6.8#
68	3.8	3.7	5.5

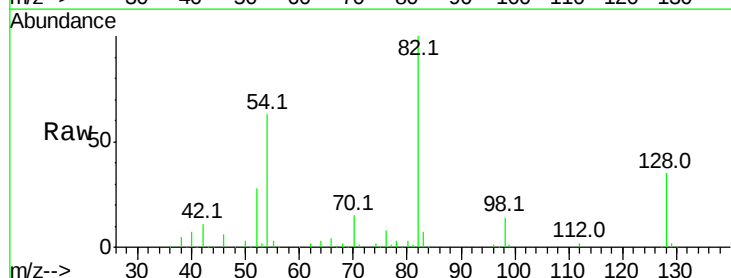


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM
Ion 68.00 (67.70 to 68.70): BM

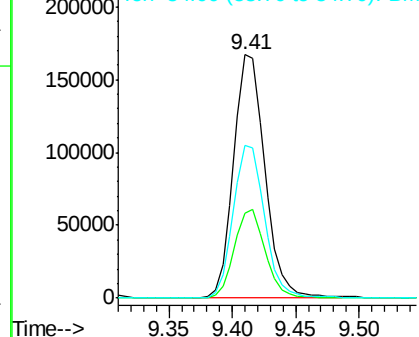
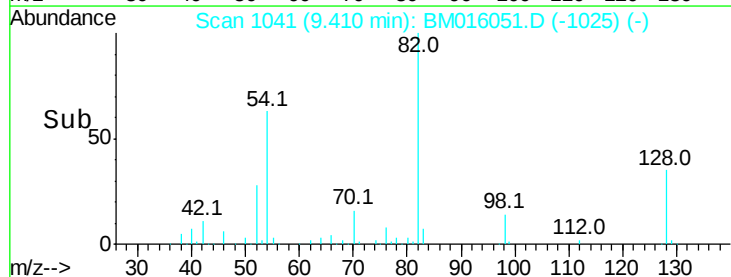


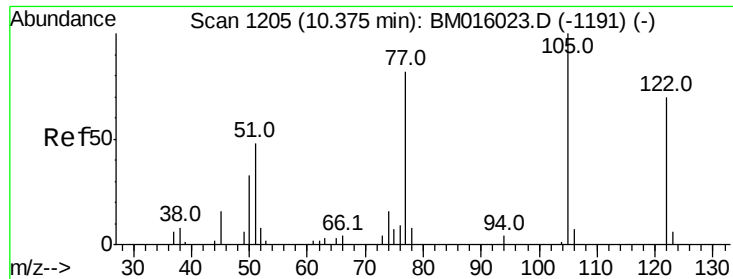
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.41 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BM016051.D
Acq: 24 Jul 2018 06:39

Tgt Ion:	82	Resp:	286629
Ion	Ratio	Lower	Upper
82	100		
128	34.7	32.8	49.2
54	63.0	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

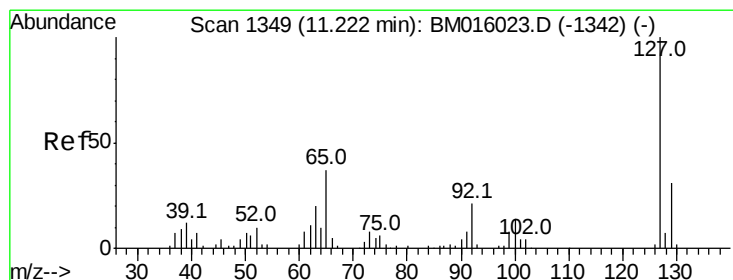
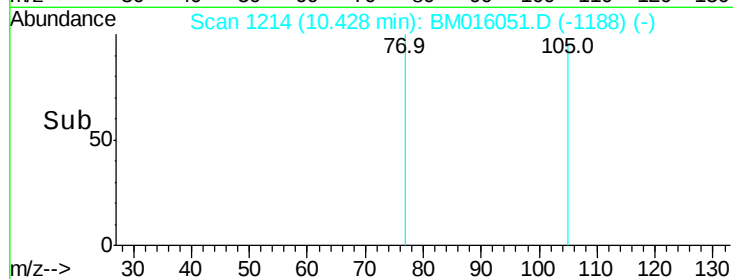
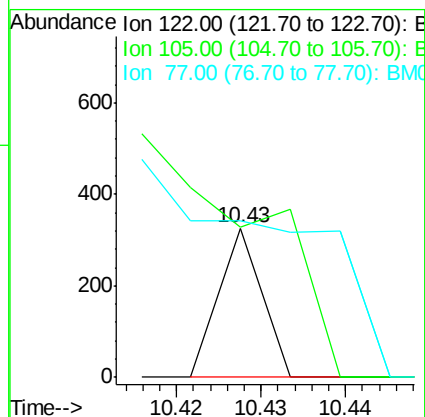
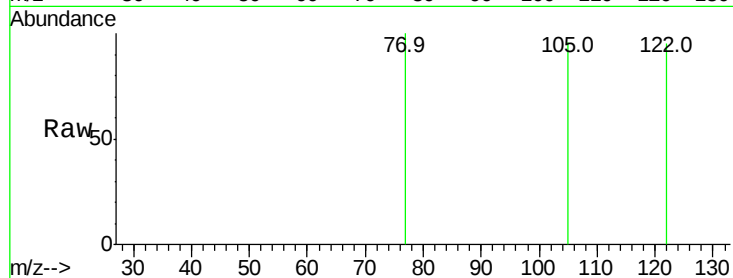




#32
Benzoic acid
Concen: 0.081 ng
RT: 10.43 min Scan# 1214
Delta R.T. 0.05 min
Lab File: BM016051.D
Acq: 24 Jul 2018 06:39

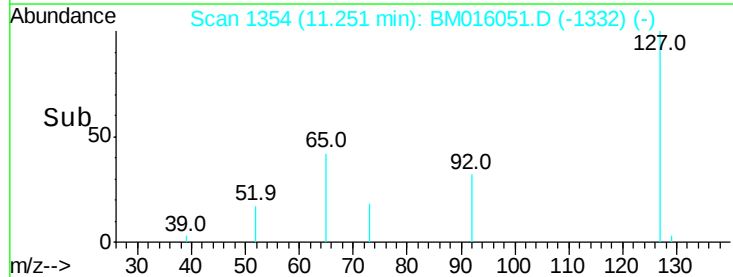
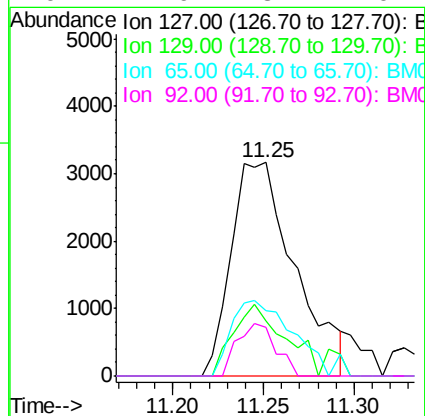
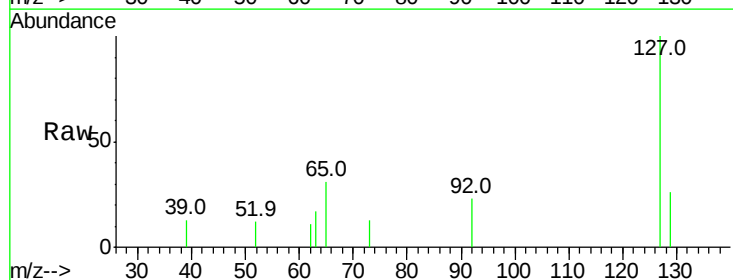
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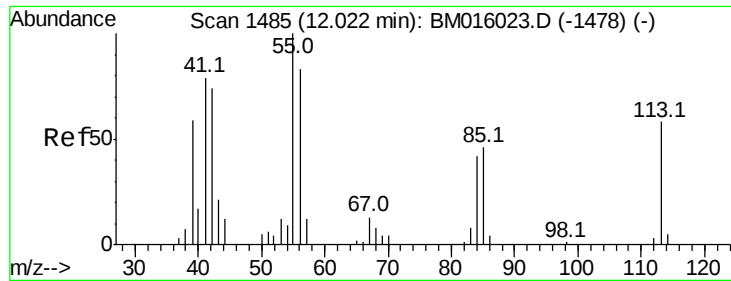
Tot Ion:122 Resp: 115
Ion Ratio Lower Upper
122 100
105 100.6 99.9 139.9
77 105.2 73.7 113.7



#33
4-Chloroaniline
Concen: 2.515 ng
RT: 11.25 min Scan# 1354
Delta R.T. 0.03 min
Lab File: BM016051.D
Acq: 24 Jul 2018 06:39

Tgt Ion:127 Resp: 7722
Ion Ratio Lower Upper
127 100
129 25.6 25.3 37.9
65 30.7 17.6 26.4#
92 22.9 13.1 19.7#





#35

Caprolactam

Concen: 2.322 ng

RT: 12.00 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

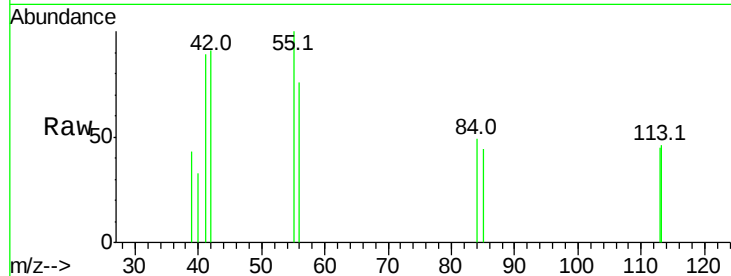
Tot Ion:113 Resp: 1430

Ion Ratio Lower Upper

113 100

55 110.4 145.9 185.9#

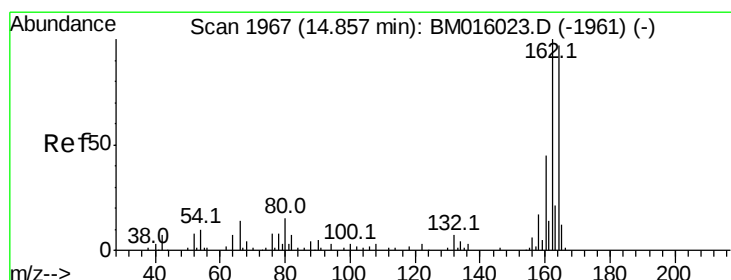
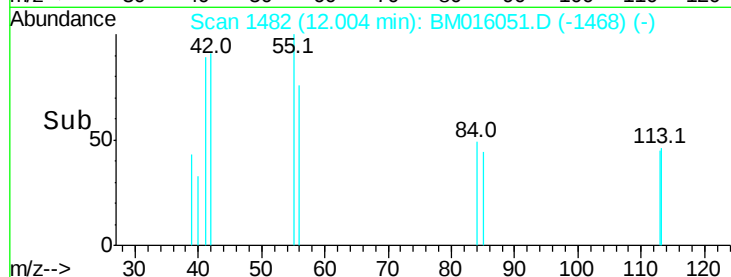
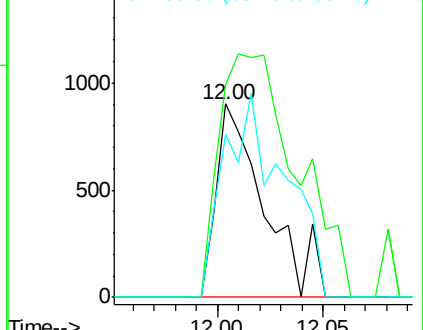
56 84.0 101.0 141.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.85 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

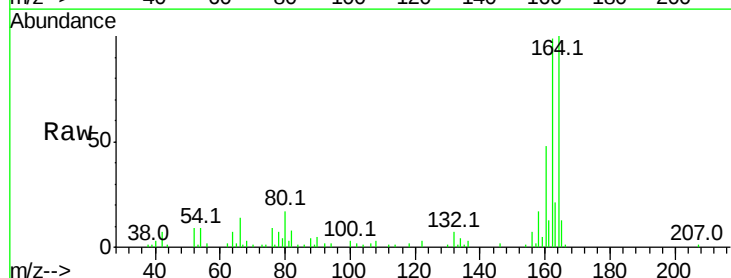
Tgt Ion:164 Resp: 81499

Ion Ratio Lower Upper

164 100

162 99.4 82.4 123.6

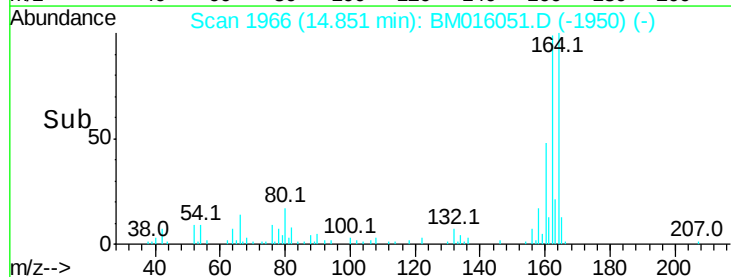
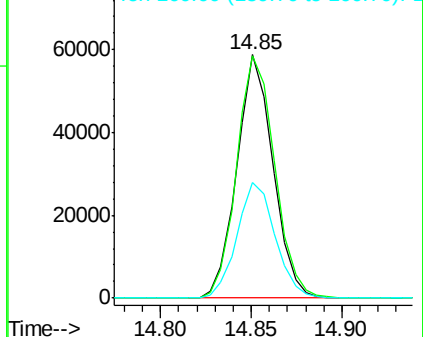
160 47.6 35.8 53.6

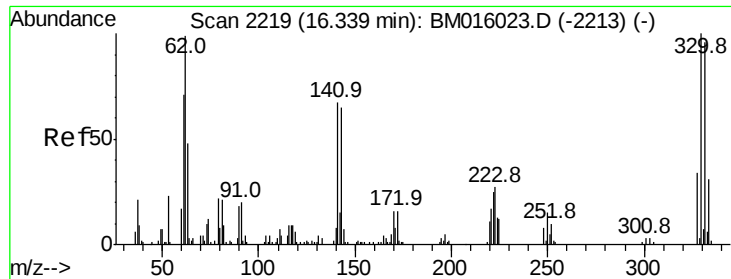


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: N.D. ng

RT: 16.33 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

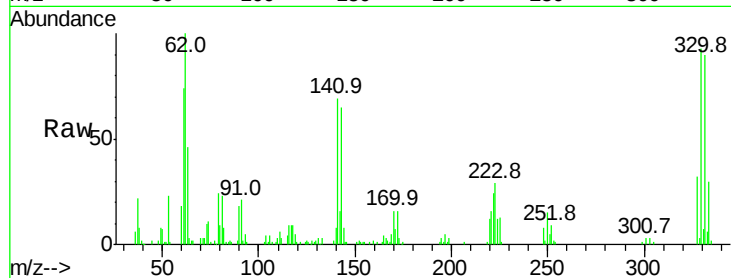
Tot Ion:330 Resp: 130907

Ion Ratio Lower Upper

330 100

332 96.4 0.0 0.0#

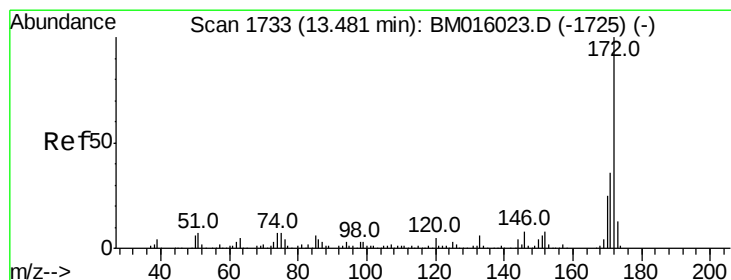
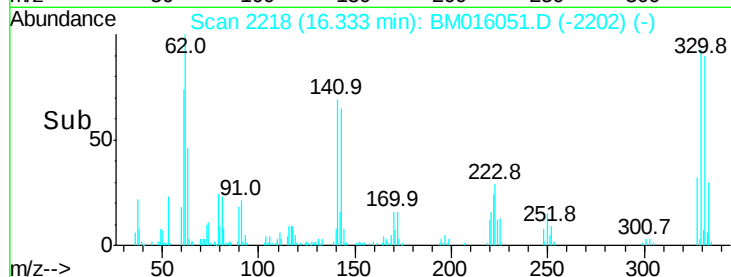
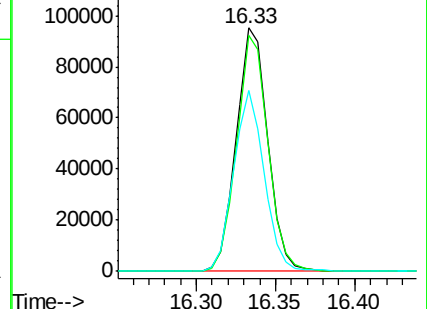
141 71.7 0.0 0.0#



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: N.D. ng

RT: 13.47 min Scan# 1732

Delta R.T. -0.01 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

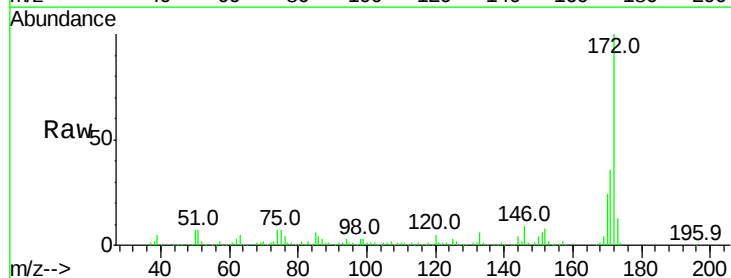
Tgt Ion:172 Resp: 580795

Ion Ratio Lower Upper

172 100

171 36.2 28.5 42.7

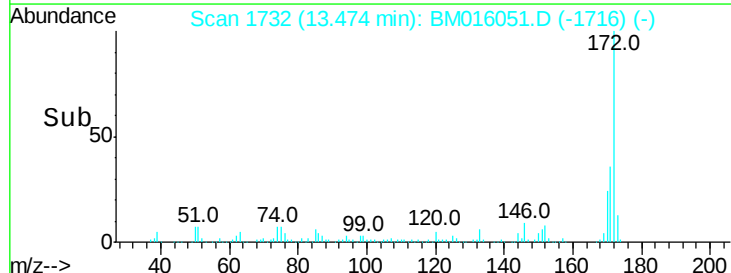
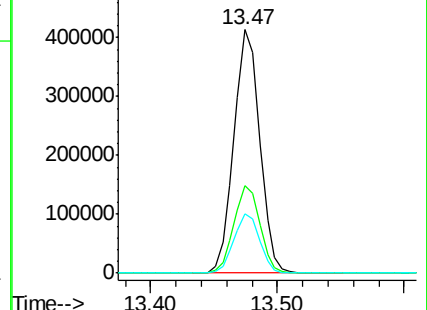
170 24.4 18.8 28.2

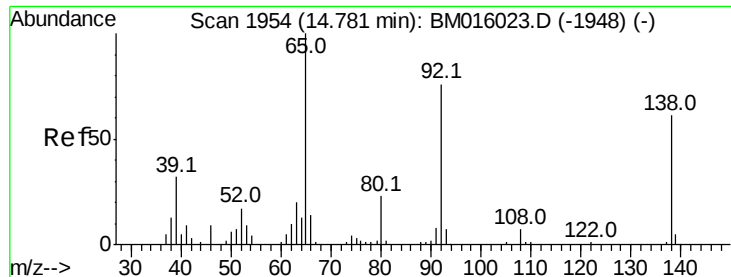


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#52

3-Nitroaniline

Concen: 2.362 ng

RT: 14.80 min Scan# 1957

Delta R.T. 0.02 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

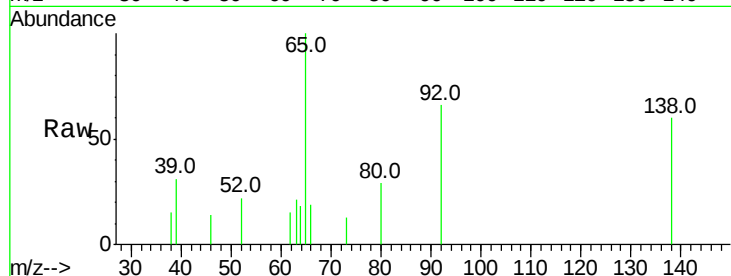
Tot Ion:138 Resp: 3661

Ion Ratio Lower Upper

138 100

108 0.0 7.3 10.9#

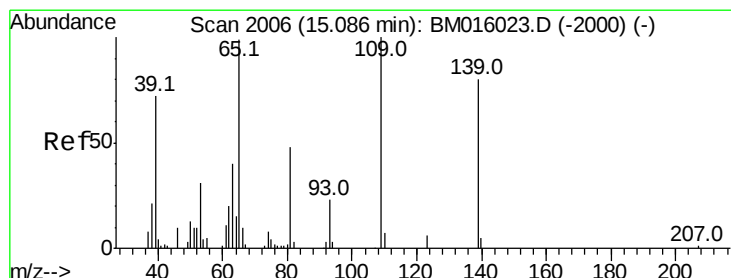
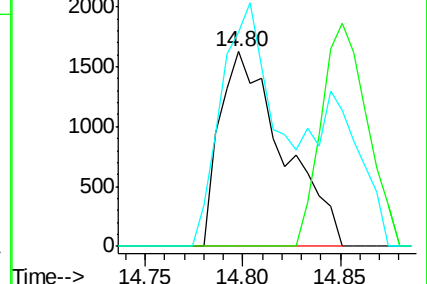
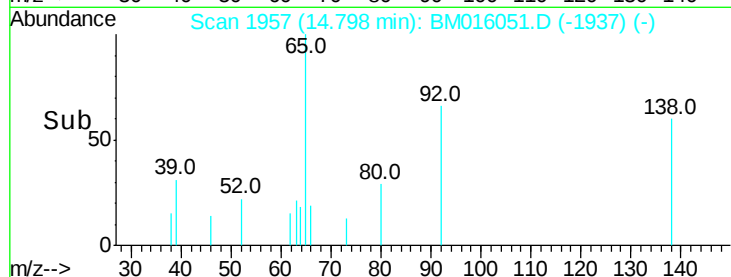
92 109.9 76.6 114.8



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: 1.664 ng

RT: 15.12 min Scan# 2012

Delta R.T. 0.03 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

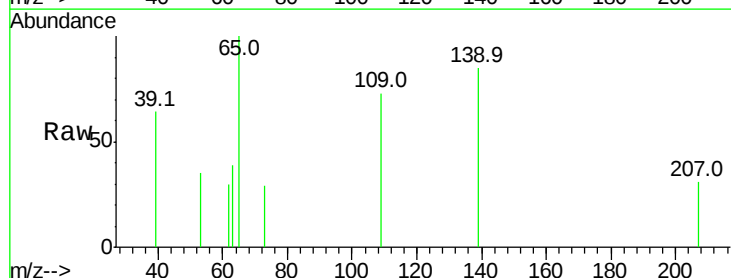
Tgt Ion:139 Resp: 1849

Ion Ratio Lower Upper

139 100

109 85.7 130.0 170.0#

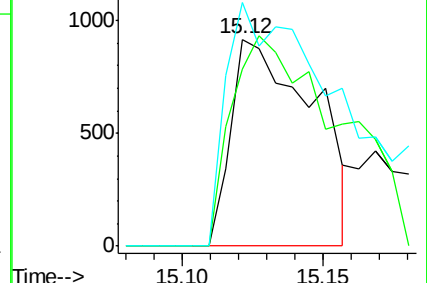
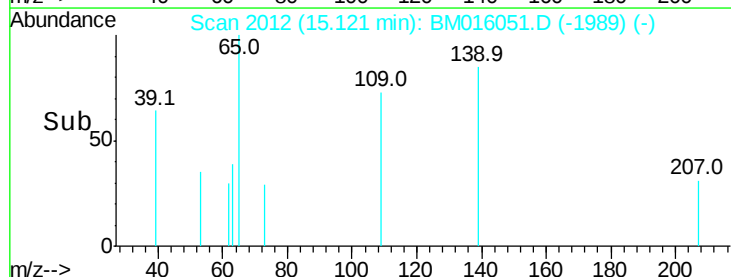
65 117.6 130.0 170.0#

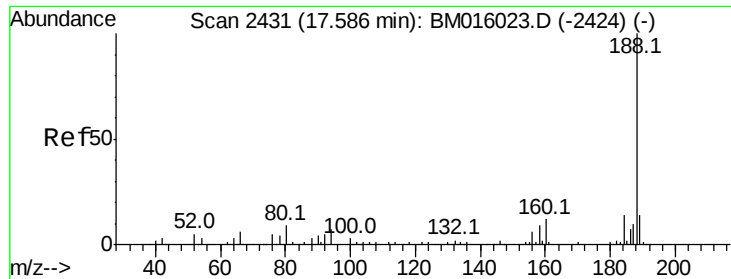


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

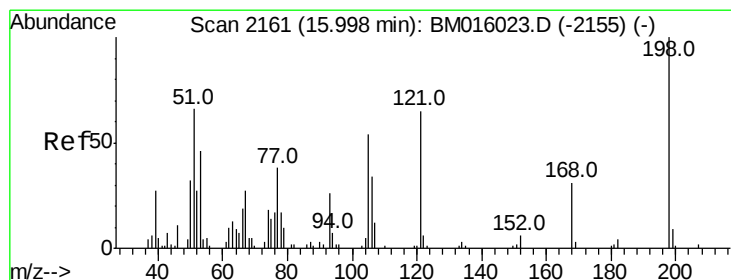
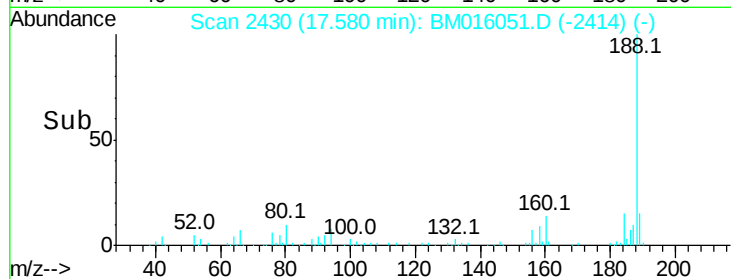
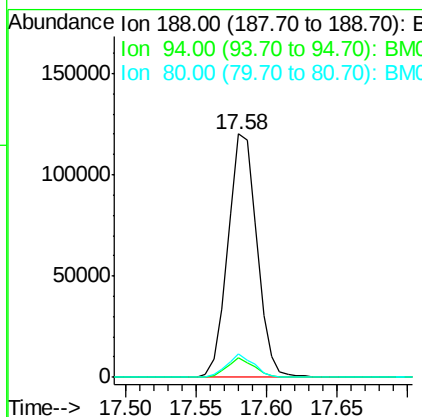
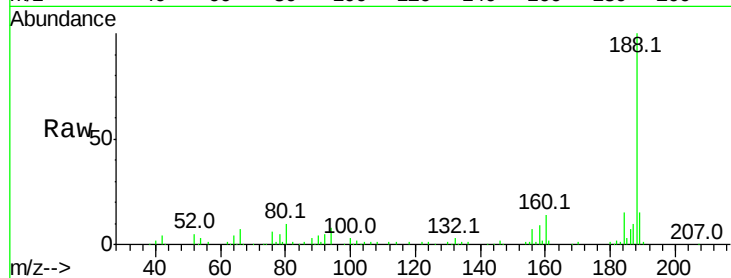




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.58 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BM016051.D
Acq: 24 Jul 2018 06:39

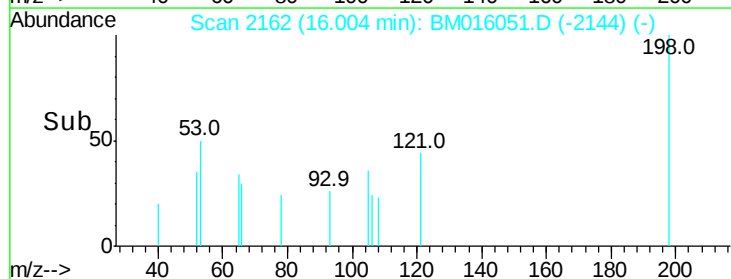
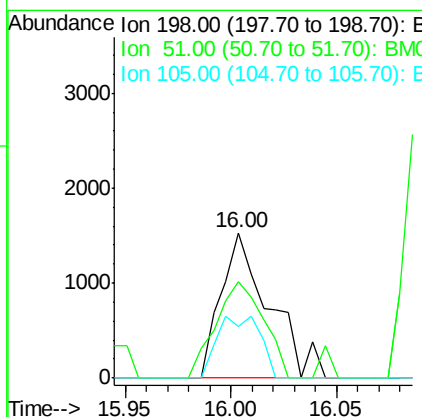
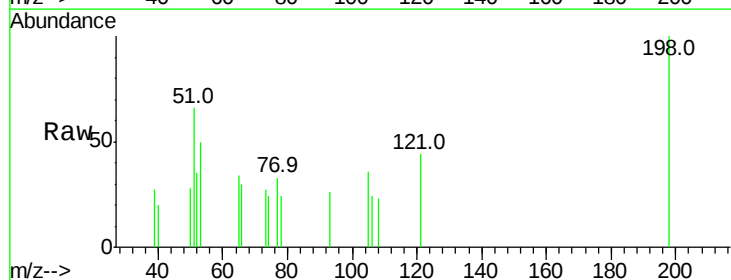
Instrument :
BNA_M
ClientSampleId :
MDL-WATER-03-QT3-2018

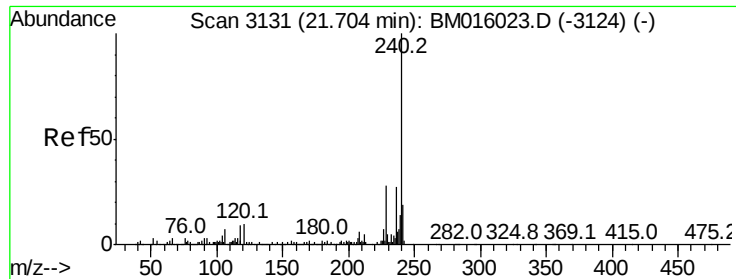
Tot Ion:188 Resp: 171644
Ion Ratio Lower Upper
188 100
94 8.0 8.7 13.1#
80 9.6 9.3 13.9



#64
4,6-Dinitro-2-methylphenol
Concen: 2.326 ng
RT: 16.00 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BM016051.D
Acq: 24 Jul 2018 06:39

Tgt Ion:198 Resp: 2423
Ion Ratio Lower Upper
198 100
51 66.3 28.8 68.8
105 36.0 30.5 70.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

Instrument :

BNA_M

ClientSampleId :

MDL-WATER-03-QT3-2018

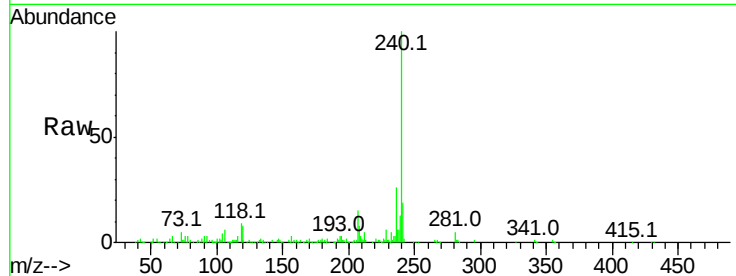
Tot Ion:240 Resp: 191629

Ion Ratio Lower Upper

240 100

120 8.5 8.2 12.2

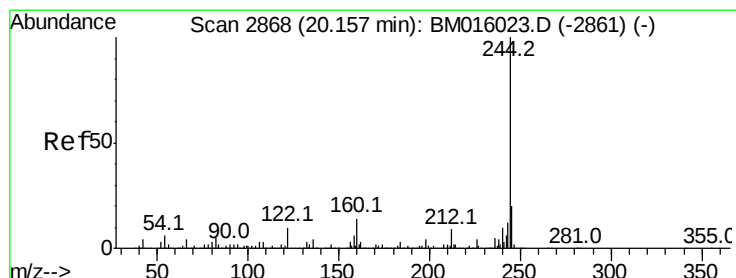
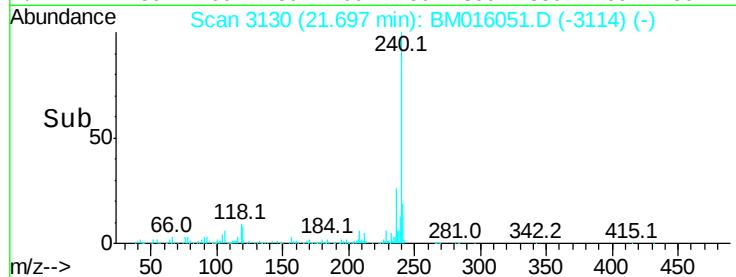
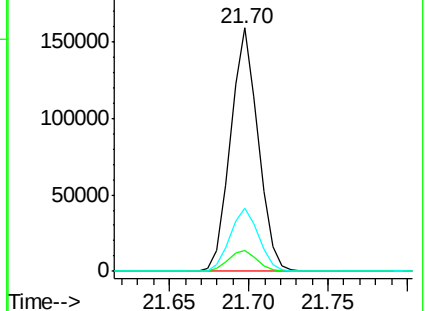
236 26.1 20.0 30.0



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: N.D. ng

RT: 20.15 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BM016051.D

Acq: 24 Jul 2018 06:39

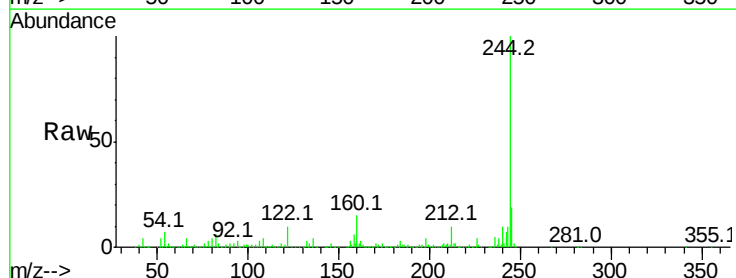
Tgt Ion:244 Resp: 1108853

Ion Ratio Lower Upper

244 100

212 9.8 4.9 7.3#

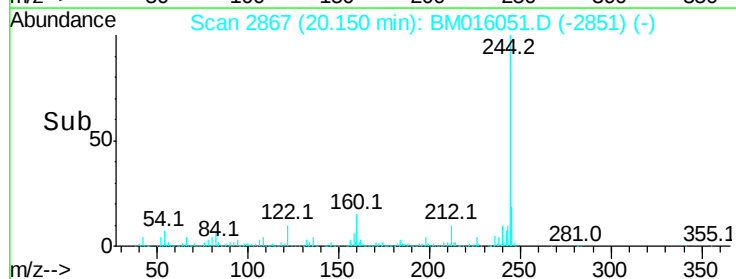
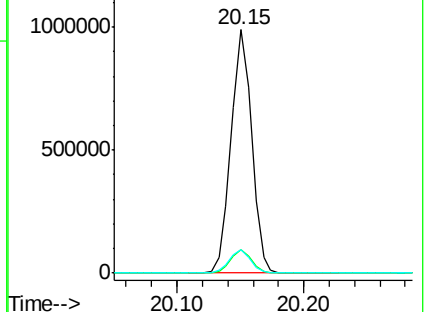
122 9.7 6.2 9.4#

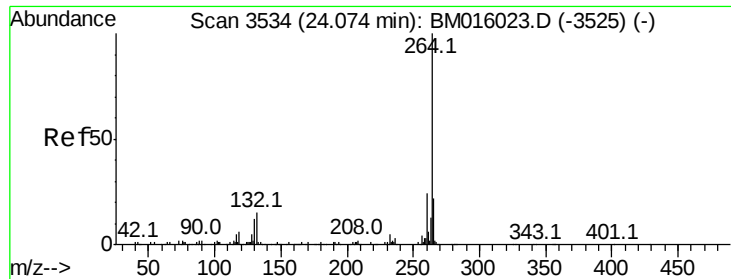


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

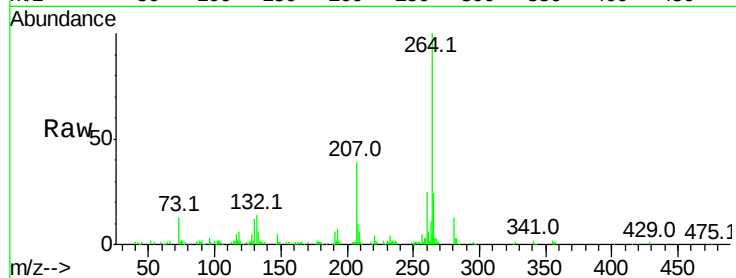




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.07 min Scan# 3533
 Delta R.T. -0.01 min
 Lab File: BM016051.D
 Acq: 24 Jul 2018 06:39

Instrument :
 BNA_M
 ClientSampleId :
 MDL-WATER-03-QT3-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	27.8
265	24.0	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

