

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
 Data File : BM016043.D
 Acq On : 24 Jul 2018 01:45
 Operator : SJ/JU
 Sample : J3762-07
 Misc : LOD 5 PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Quant Time: Jul 24 08:26:50 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

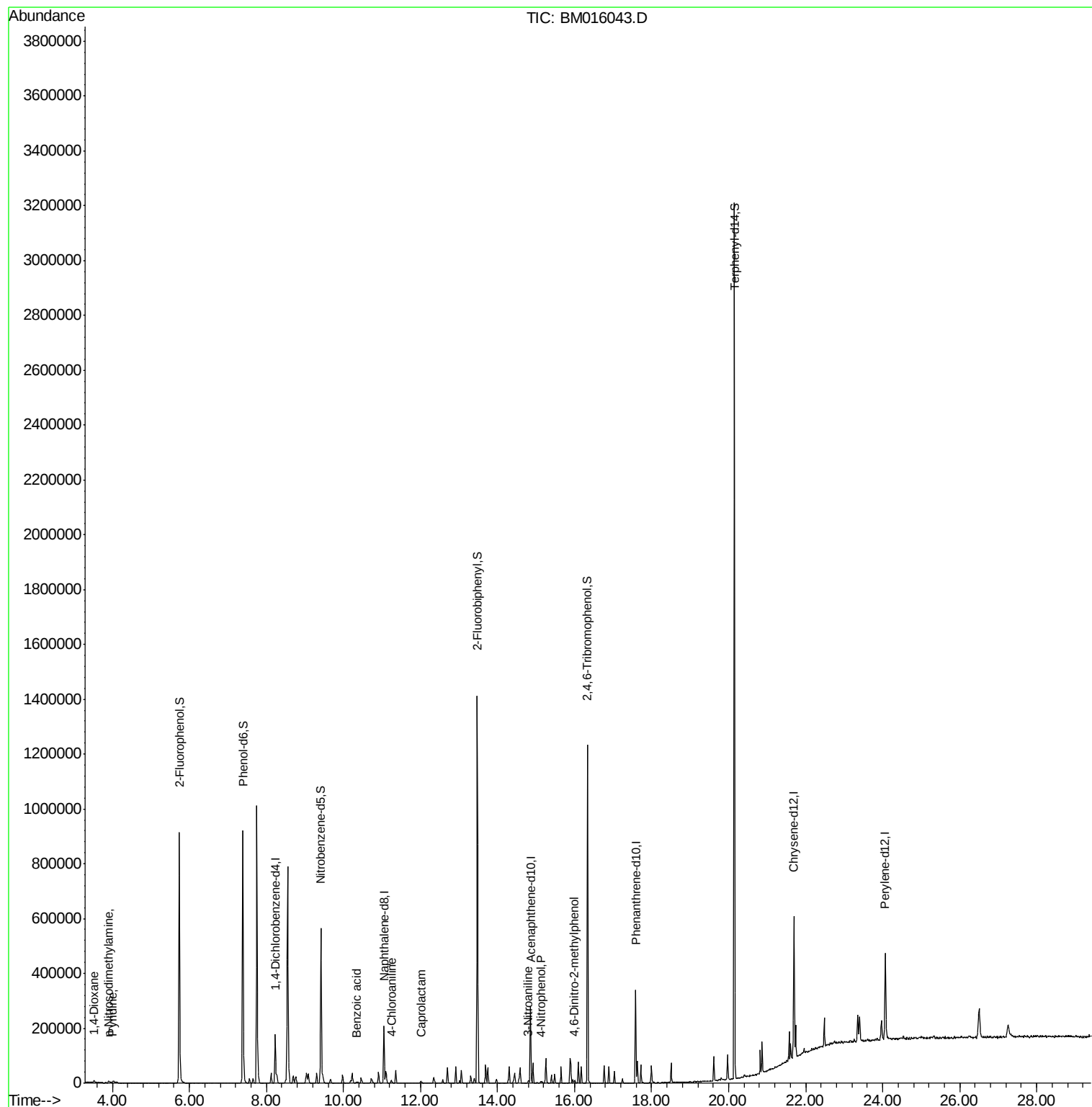
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	38932	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	148518	20.00	ng	0.00
38) Acenaphthene-d10	14.85	164	78745	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	171272	20.00	ng	0.00
75) Chrysene-d12	21.70	240	188564	20.00	ng	0.00
86) Perylene-d12	24.07	264	201928	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	301162	128.50	ng	0.00
7) Phenol-d6	7.39	99	372661	121.75	ng	0.00
23) Nitrobenzene-d5	9.42	82	284013	88.94	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	129901	130.06	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	570386	88.13	ng	0.00
78) Terphenyl-d14	20.15	244	1087888	120.77	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.52	88	4348	3.960	ng	# 100
3) Pyridine	4.01	79	6960	2.631	ng	# 61
4) n-Nitrosodimethylamine	3.90	42	7911	3.834	ng	# 34
32) Benzoic acid	10.35	122	3310	2.323	ng	# 92
33) 4-Chloroaniline	11.25	127	7359	2.399	ng	# 87
35) Caprolactam	12.01	113	1142	1.856	ng	# 68
52) 3-Nitroaniline	14.80	138	3459	2.310	ng	# 72
55) 4-Nitrophenol	15.13	139	1740	1.621	ng	# 79
64) 4,6-Dinitro-2-methylphenol	16.00	198	2705	2.602	ng	# 86

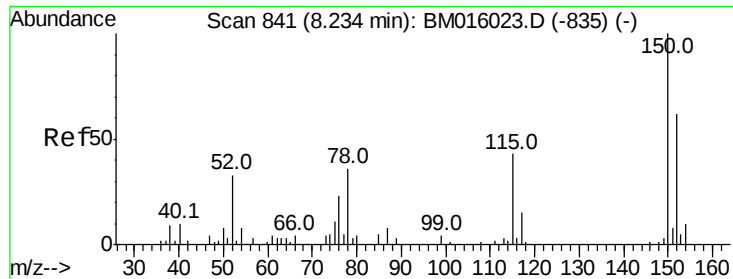
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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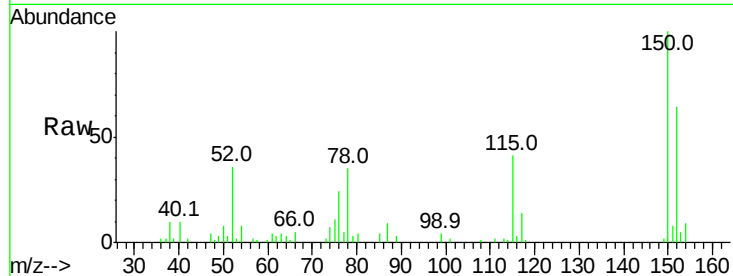


#1

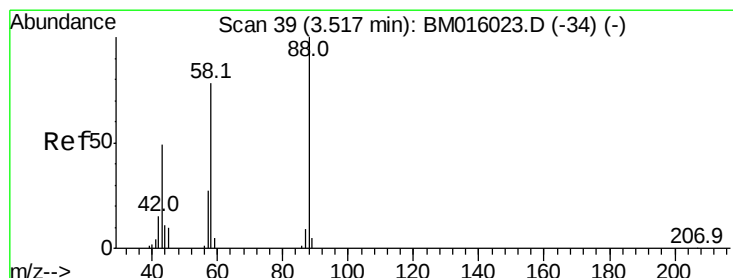
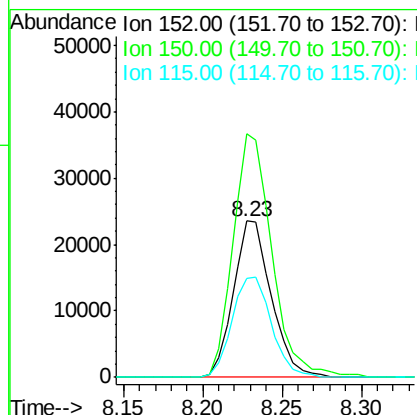
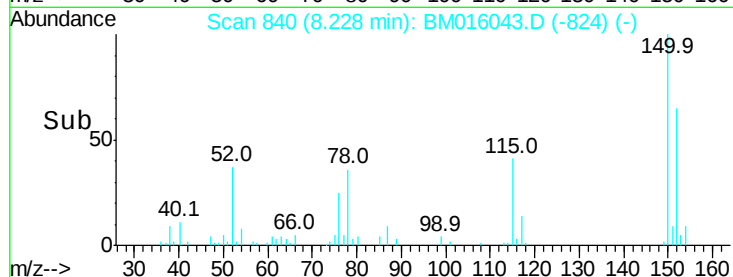
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 840
Delta R.T. -0.01 min
Lab File: BM016043.D
Acq: 24 Jul 2018 01:45

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:152 Resp: 38932
Ion Ratio Lower Upper
152 100
150 156.1 119.5 179.3
115 63.5 43.0 64.4



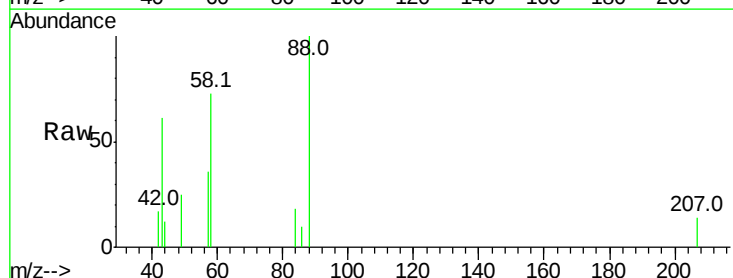
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



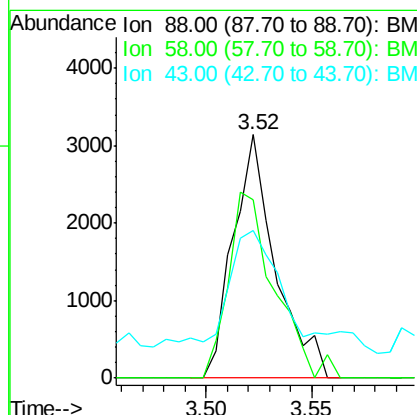
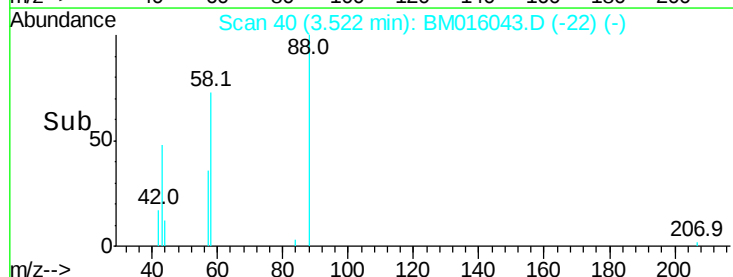
#2

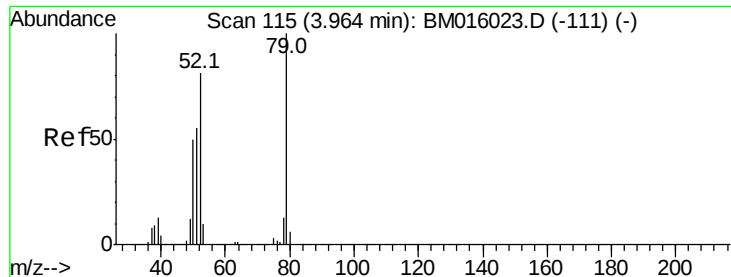
1,4-Dioxane
Concen: 3.960 ng
RT: 3.52 min Scan# 40
Delta R.T. 0.01 min
Lab File: BM016043.D
Acq: 24 Jul 2018 01:45

Tgt Ion: 88 Resp: 4348
Ion Ratio Lower Upper
88 100
58 83.1 0.0 0.0#
43 59.2 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

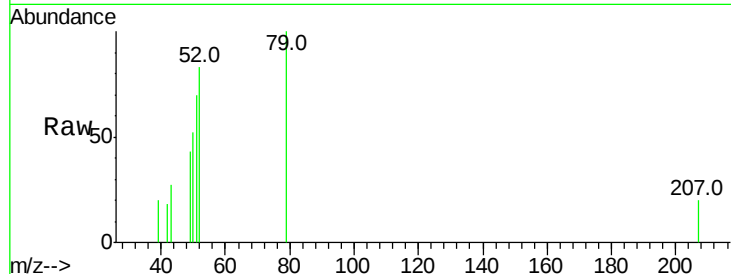




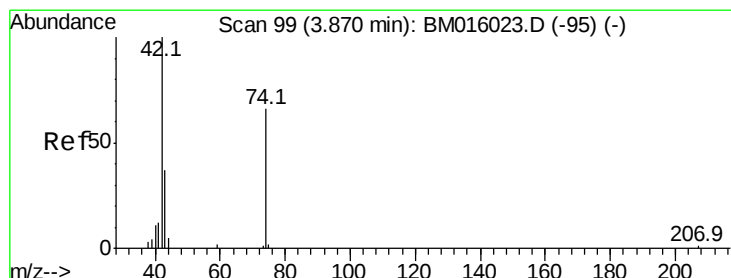
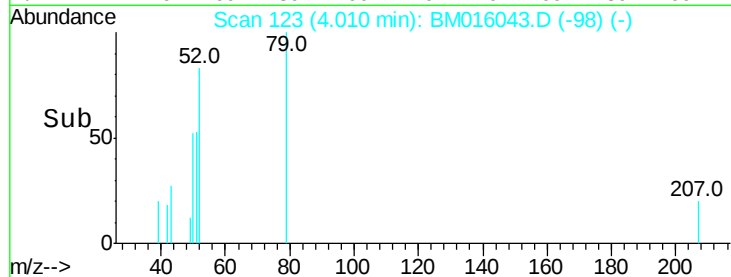
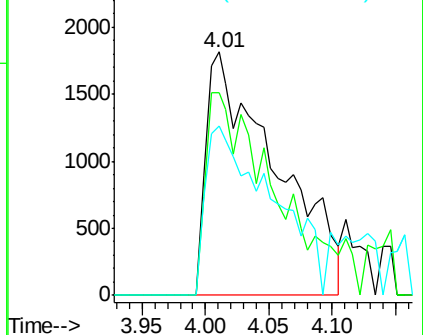
#3
 Pvridine
 Concen: 2.631 ng
 RT: 4.01 min Scan# 123
 Delta R.T. 0.05 min
 Lab File: BM016043.D
 Acq: 24 Jul 2018 01:45

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion: 79 Resp: 6960
 Ion Ratio Lower Upper
 79 100
 52 83.1 51.1 76.7#
 51 69.7 26.1 39.1#

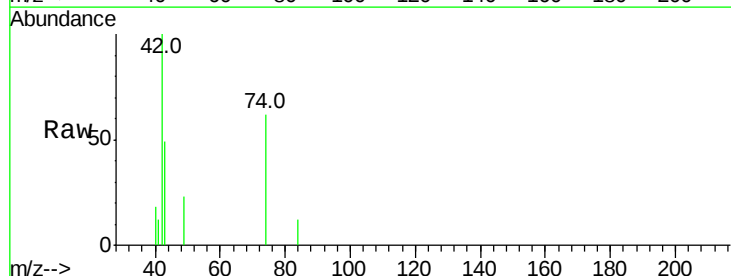


Abundance Ion 79.00 (78.70 to 79.70): BM0
 Ion 52.00 (51.70 to 52.70): BM0
 Ion 51.00 (50.70 to 51.70): BM0

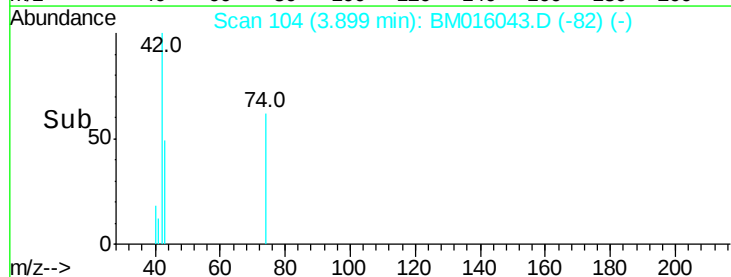
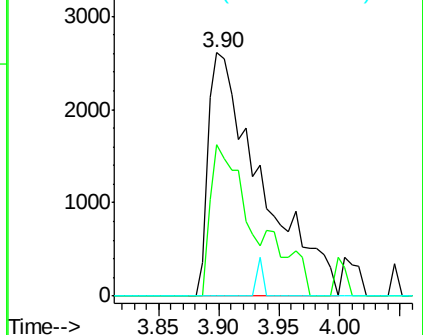


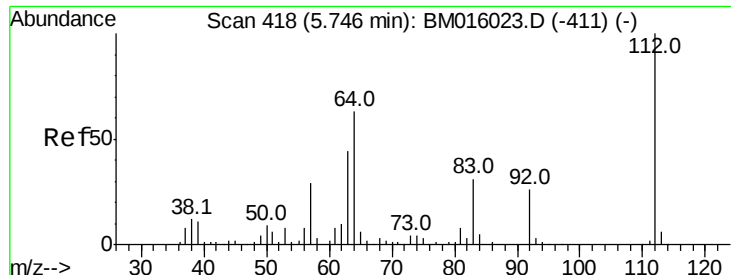
#4
 n-Nitrosodimethylamine
 Concen: 3.834 ng
 RT: 3.90 min Scan# 104
 Delta R.T. 0.03 min
 Lab File: BM016043.D
 Acq: 24 Jul 2018 01:45

Tgt Ion: 42 Resp: 7911
 Ion Ratio Lower Upper
 42 100
 74 62.5 119.3 178.9#
 44 0.0 5.4 8.2#



Abundance Ion 42.00 (41.70 to 42.70): BM0
 Ion 74.00 (73.70 to 74.70): BM0
 Ion 44.00 (43.70 to 44.70): BM0





#5

2-Fluorophenol

Concen: 3.834 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016043.D

Acq: 24 Jul 2018 01:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

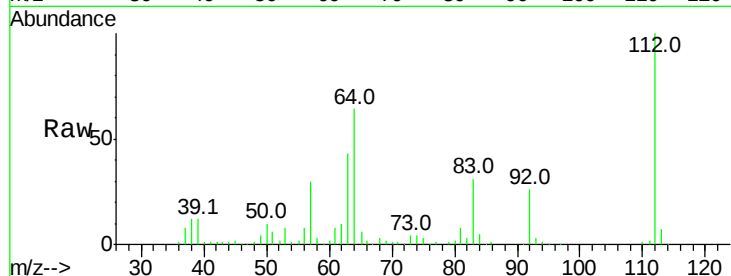
Tot Ion:112 Resp: 301162

Ion Ratio Lower Upper

112 100

64 63.8 38.6 57.8#

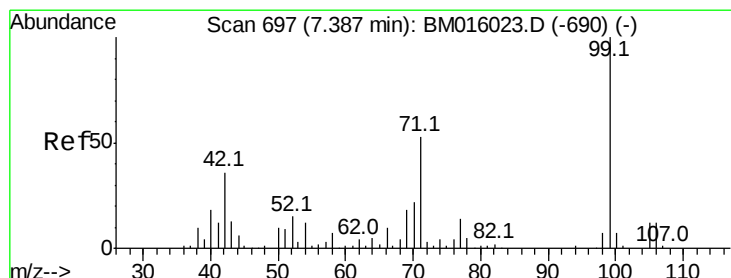
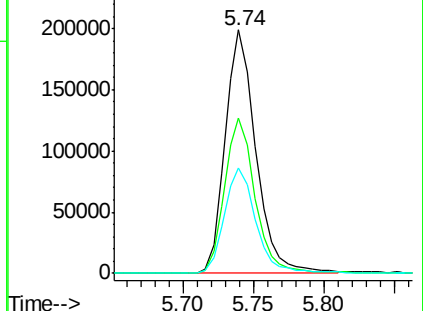
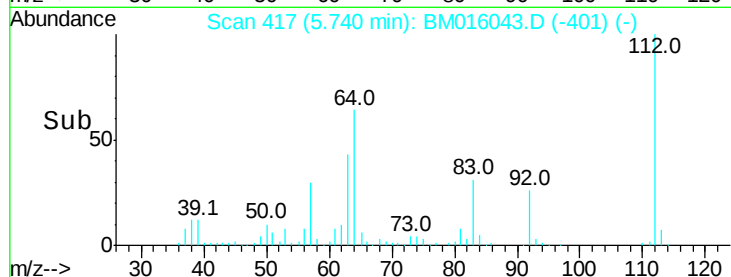
63 43.3 19.3 28.9#



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: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016043.D

Acq: 24 Jul 2018 01:45

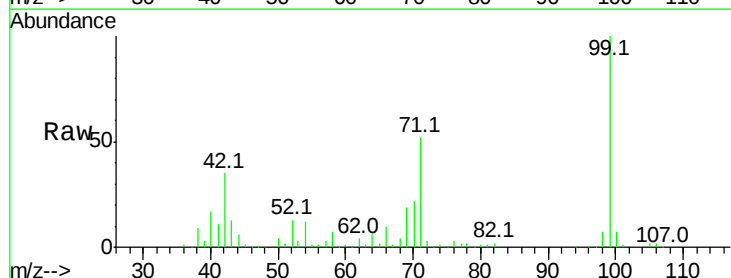
Tgt Ion: 99 Resp: 372661

Ion Ratio Lower Upper

99 100

42 34.9 11.0 16.4#

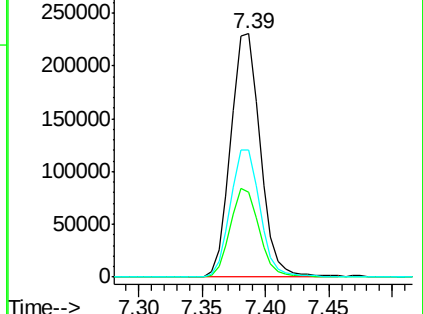
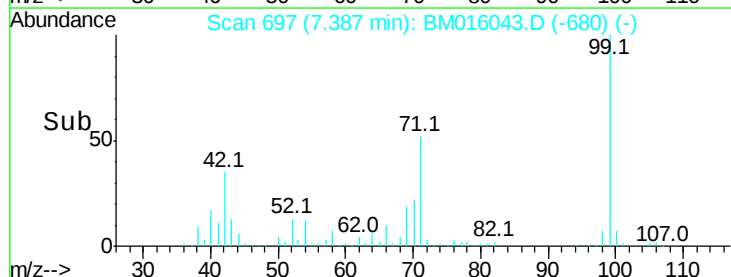
71 52.2 23.4 35.2#

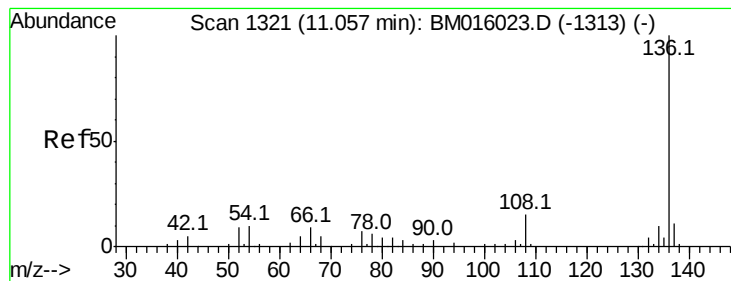


Abundance Ion 99.00 (98.70 to 99.70): B

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: BM016043.D

Acq: 24 Jul 2018 01:45

Instrument :

BNA_M

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LOD-MDL-WATER-01-QT3-2018

Tot Ion:136 Resp: 148518

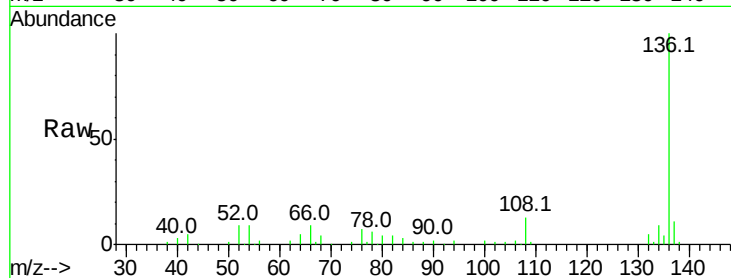
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 9.4 4.6 6.8#

68 4.0 3.7 5.5

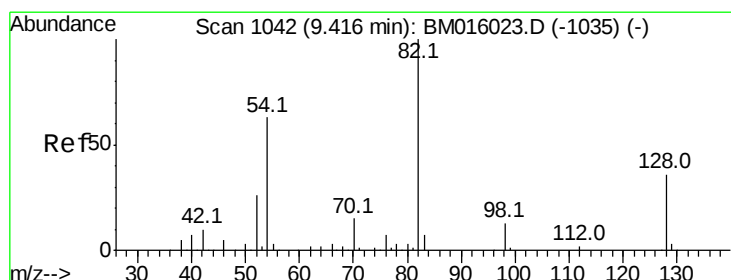
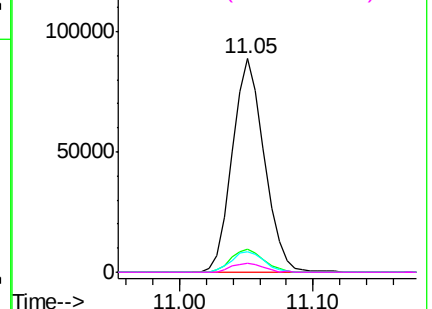
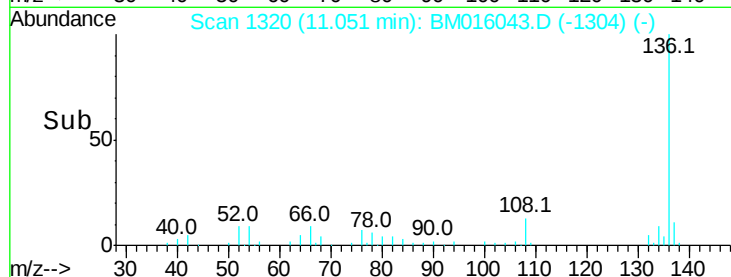


Abundance Ion 136.00 (135.70 to 136.70): E

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: 9.42 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BM016043.D

Acq: 24 Jul 2018 01:45

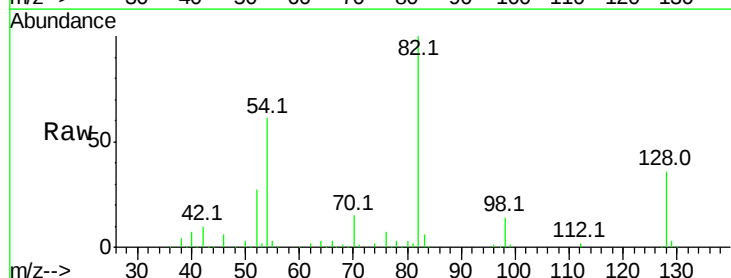
Tgt Ion: 82 Resp: 284013

Ion Ratio Lower Upper

82 100

128 35.8 32.8 49.2

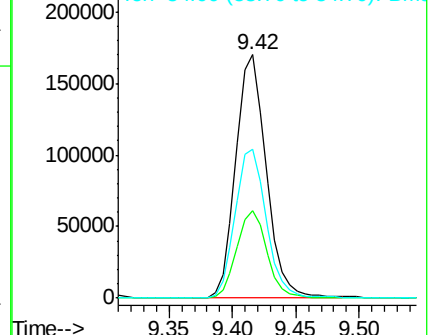
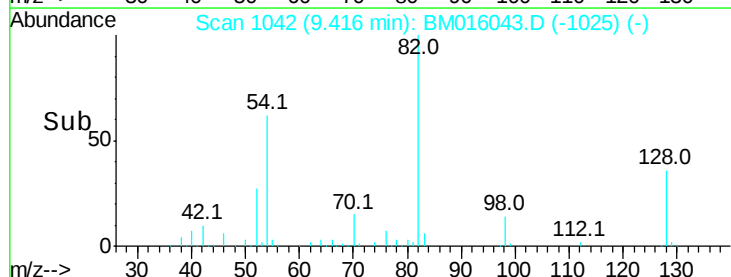
54 61.3 40.6 60.8#

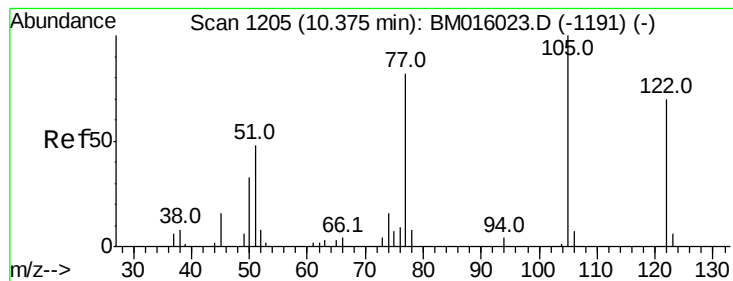


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#32

Benzoic acid

Concen: 2.323 ng

RT: 10.35 min Scan# 1200

Delta R.T. -0.03 min

Lab File: BM016043.D

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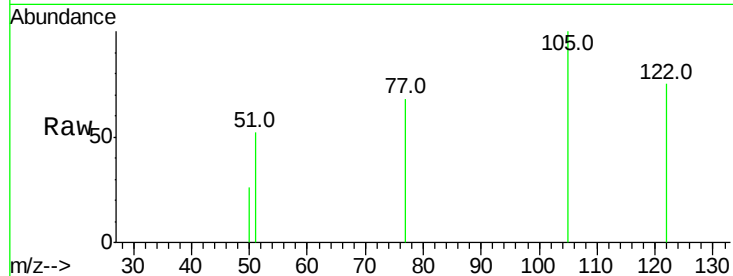
Tot Ion:122 Resp: 3310

Ion Ratio Lower Upper

122 100

105 133.3 99.9 139.9

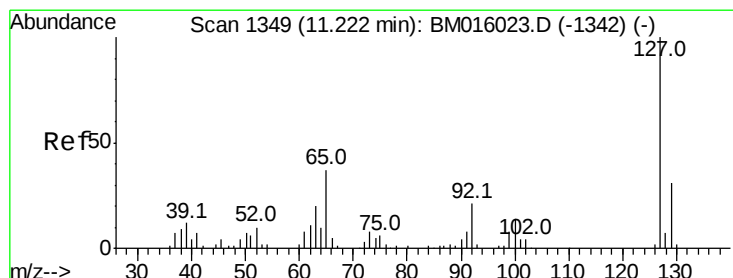
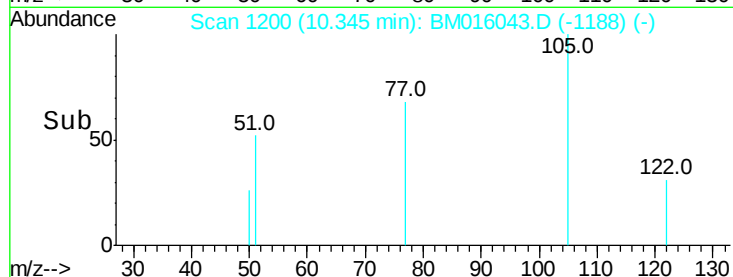
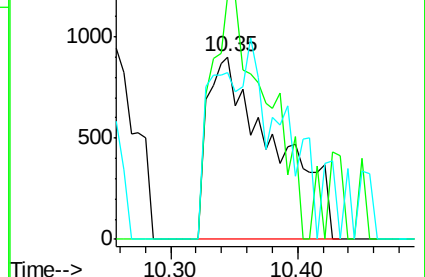
77 91.1 73.7 113.7



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: 2.399 ng

RT: 11.25 min Scan# 1353

Delta R.T. 0.02 min

Lab File: BM016043.D

Acq: 24 Jul 2018 01:45

Tgt Ion:127 Resp: 7359

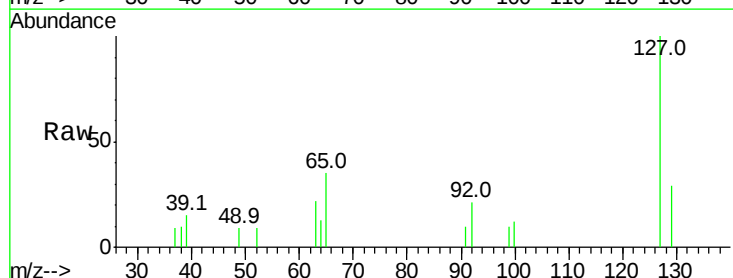
Ion Ratio Lower Upper

127 100

129 28.7 25.3 37.9

65 34.7 17.6 26.4#

92 20.7 13.1 19.7#

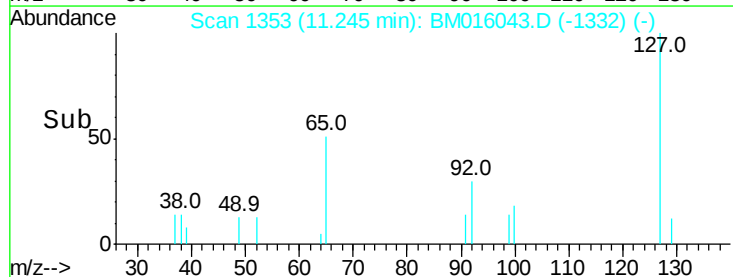
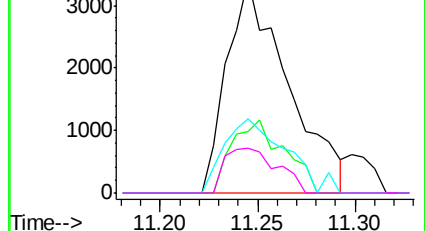


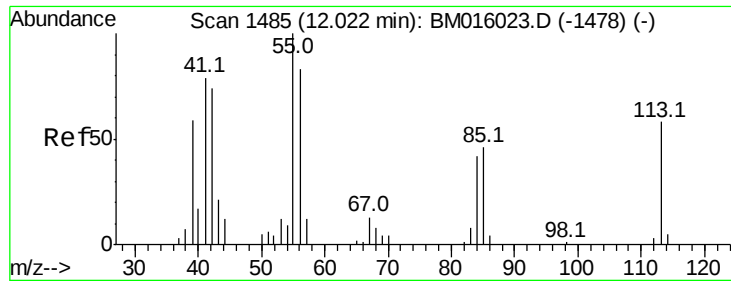
Abundance Ion 127.00 (126.70 to 127.70): E

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: 1.856 ng

RT: 12.01 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM016043.D

Acq: 24 Jul 2018 01:45

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LOD-MDL-WATER-01-QT3-2018

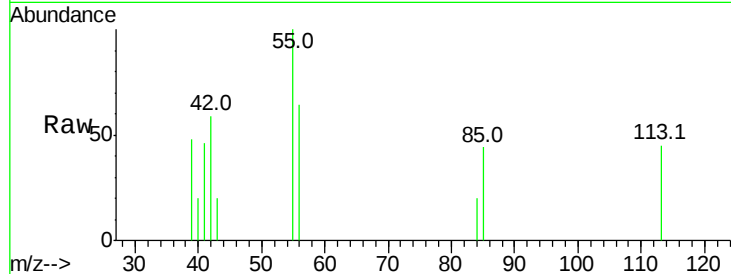
Tot Ion:113 Resp: 1142

Ion Ratio Lower Upper

113 100

55 222.0 145.9 185.9#

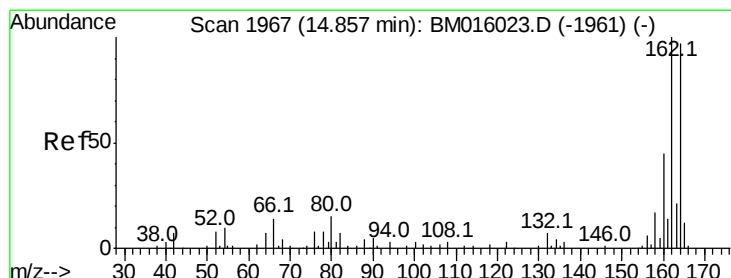
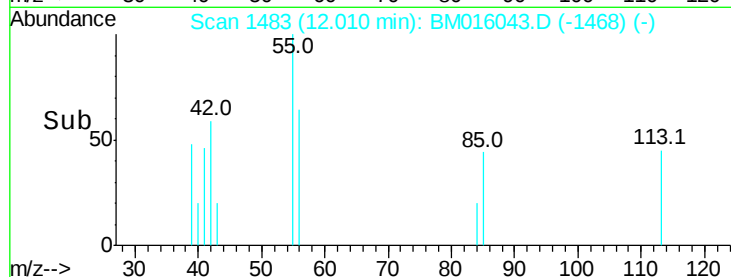
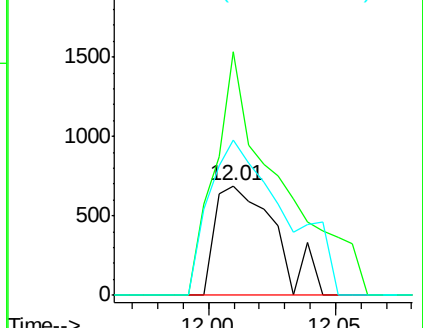
56 141.4 101.0 141.0#



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: BM016043.D

Acq: 24 Jul 2018 01:45

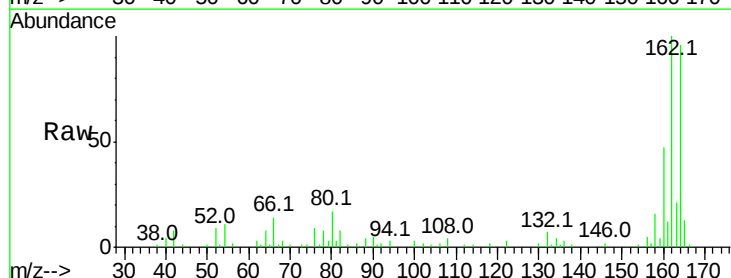
Tgt Ion:164 Resp: 78745

Ion Ratio Lower Upper

164 100

162 103.9 82.4 123.6

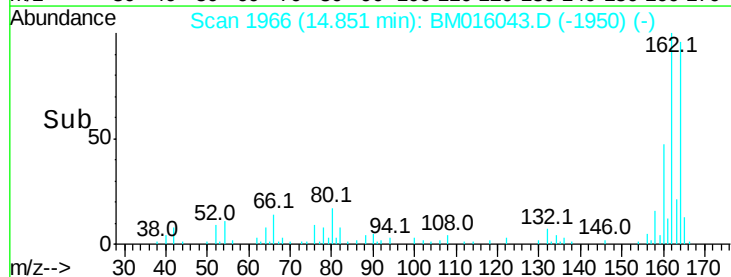
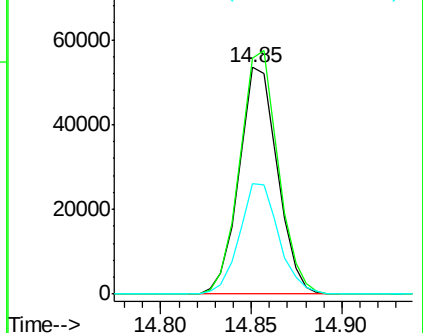
160 48.7 35.8 53.6

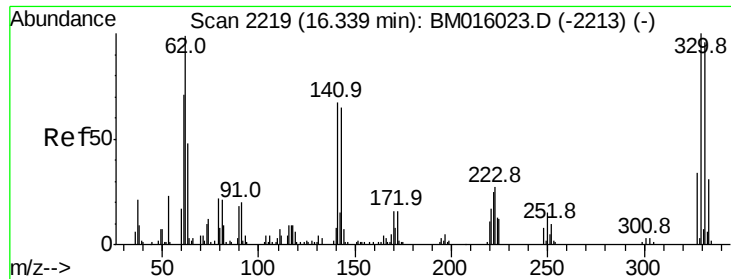


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

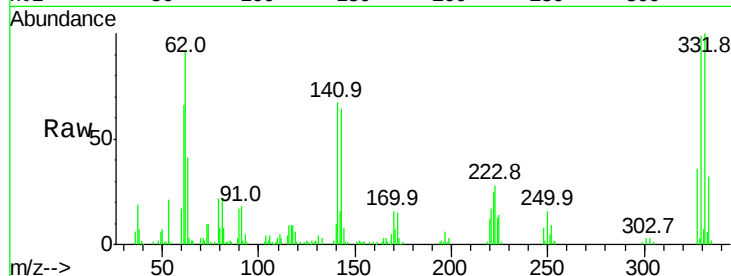




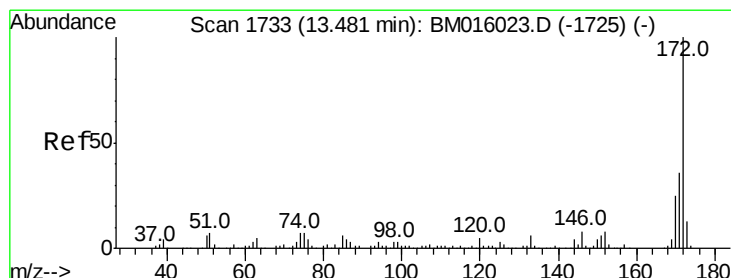
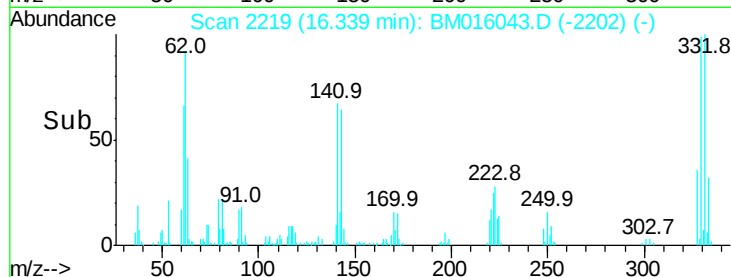
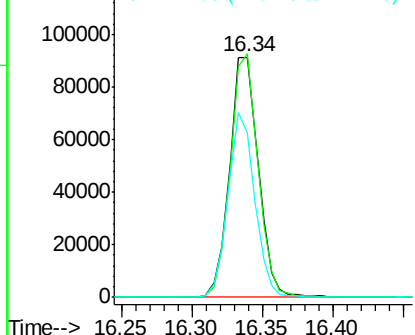
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016043.D
 Acq: 24 Jul 2018 01:45

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2018

Tot Ion:330 Resp: 129901
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 71.5 0.0 0.0#

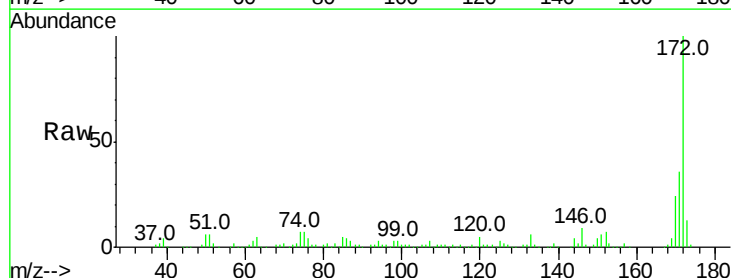


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

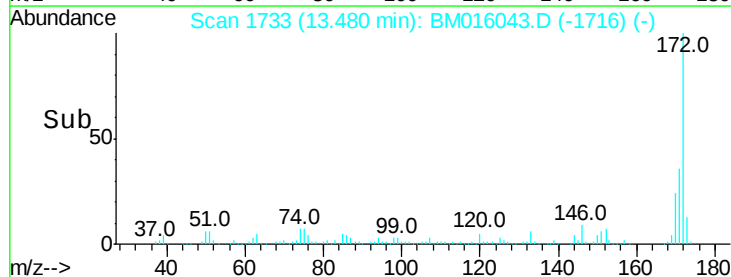
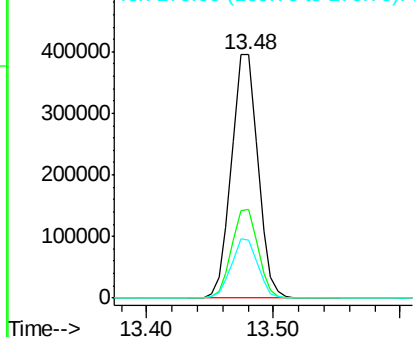


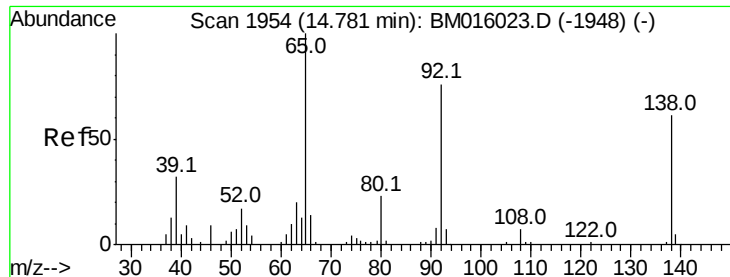
#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016043.D
 Acq: 24 Jul 2018 01:45

Tgt Ion:172 Resp: 570386
 Ion Ratio Lower Upper
 172 100
 171 36.2 28.5 42.7
 170 23.9 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: 2.310 ng

RT: 14.80 min Scan# 1957

Delta R.T. 0.02 min

Lab File: BM016043.D

Acq: 24 Jul 2018 01:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

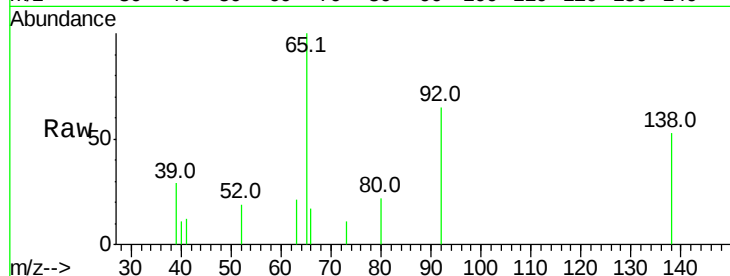
Tot Ion:138 Resp: 3459

Ion Ratio Lower Upper

138 100

108 0.0 7.3 10.9#

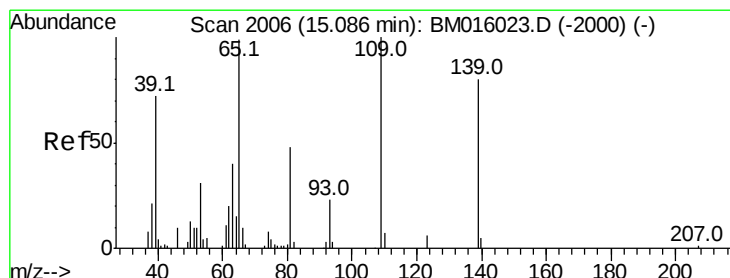
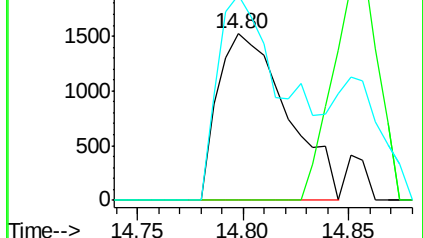
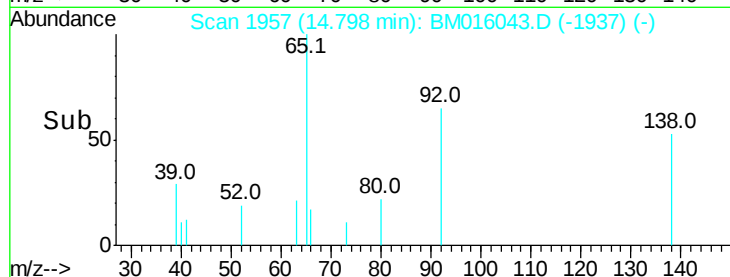
92 123.2 76.6 114.8#



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: 1.621 ng

RT: 15.13 min Scan# 2014

Delta R.T. 0.05 min

Lab File: BM016043.D

Acq: 24 Jul 2018 01:45

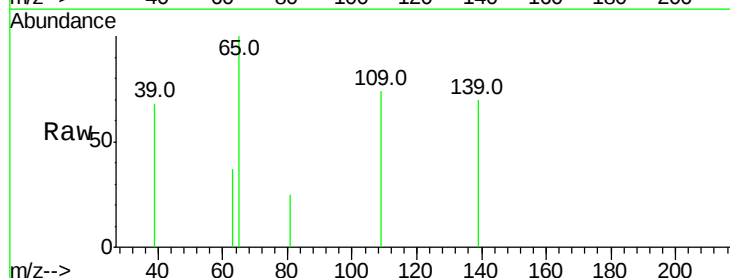
Tgt Ion:139 Resp: 1740

Ion Ratio Lower Upper

139 100

109 104.9 130.0 170.0#

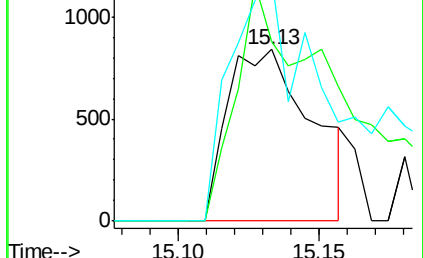
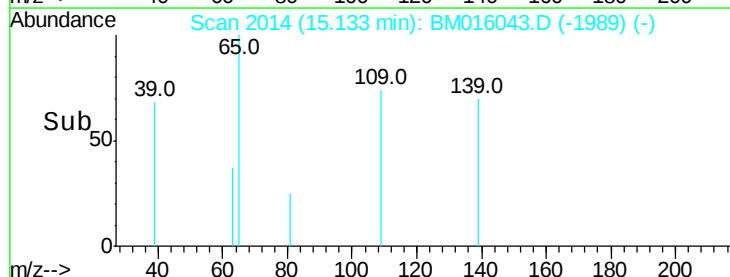
65 142.1 130.0 170.0

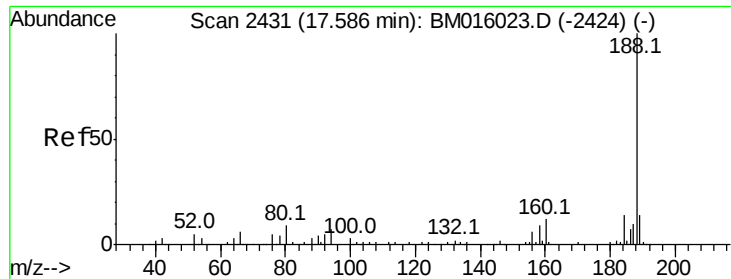


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

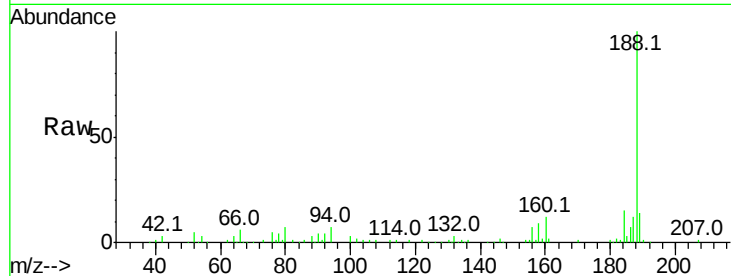




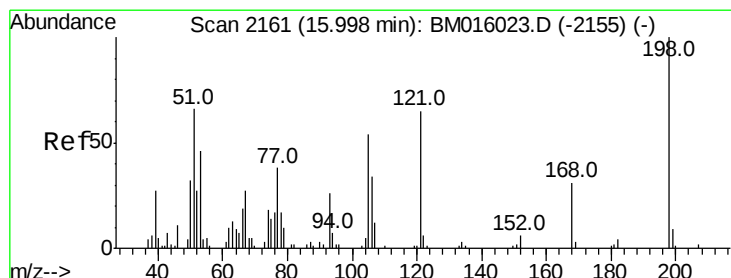
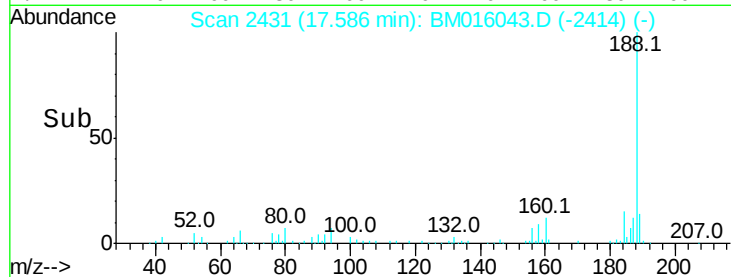
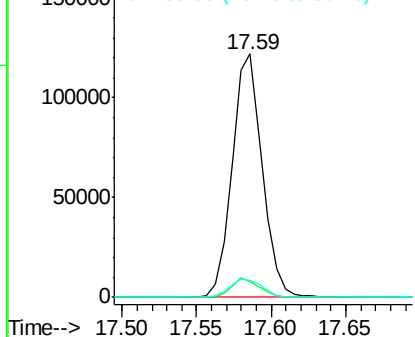
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.59 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BM016043.D
Acq: 24 Jul 2018 01:45

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion:188 Resp: 171272
Ion Ratio Lower Upper
188 100
94 6.7 8.7 13.1#
80 7.0 9.3 13.9#

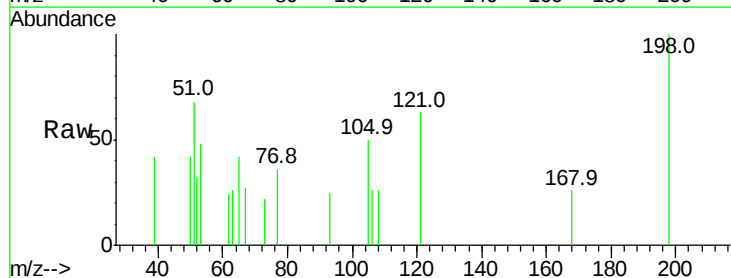


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

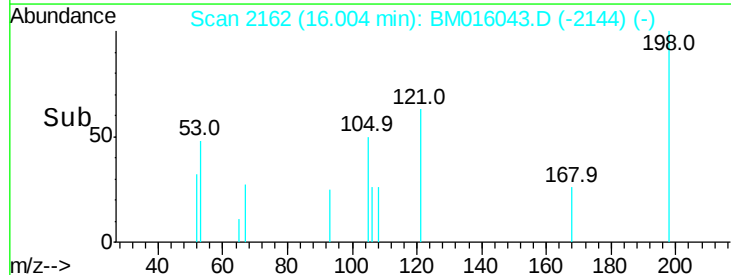
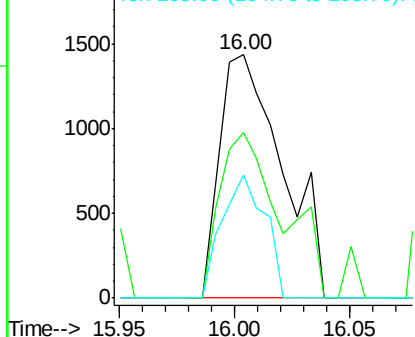


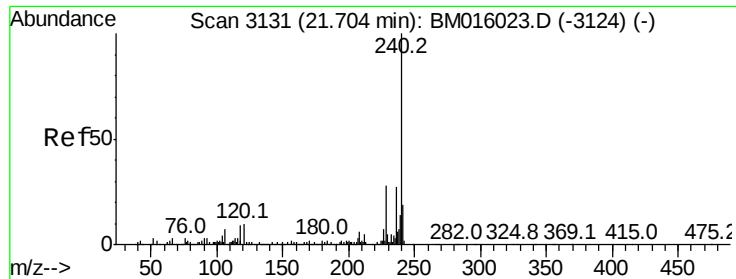
#64
4,6-Dinitro-2-methylphenol
Concen: 2.602 ng
RT: 16.00 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BM016043.D
Acq: 24 Jul 2018 01:45

Tgt Ion:198 Resp: 2705
Ion Ratio Lower Upper
198 100
51 68.1 28.8 68.8
105 50.5 30.5 70.5



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BM0
Ion 105.00 (104.70 to 105.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM016043.D

Acq: 24 Jul 2018 01:45

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-WATER-01-QT3-2018

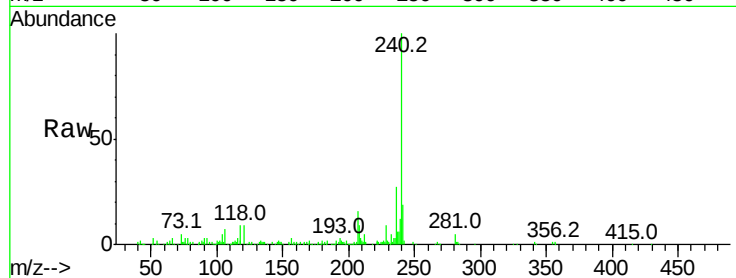
Tot Ion:240 Resp: 188564

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.2	12.2
236	27.3	20.0	30.0

240 100

120 9.4 8.2 12.2

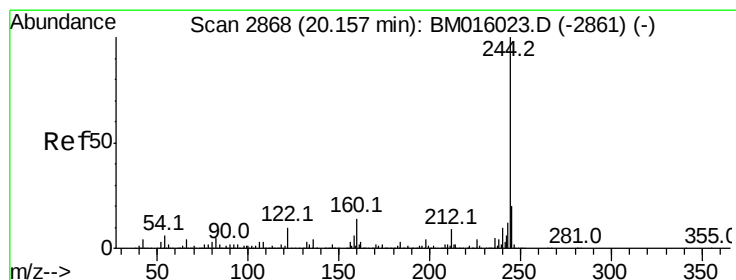
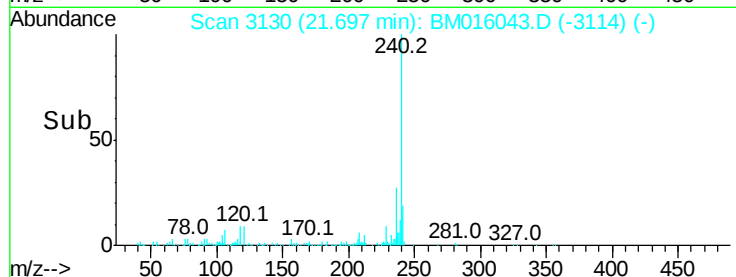
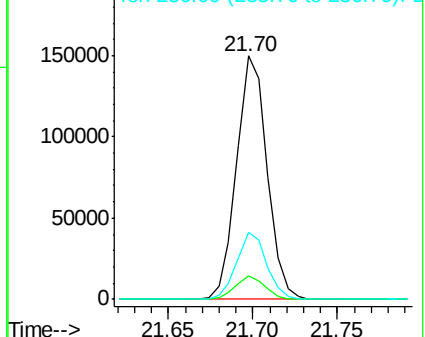
236 27.3 20.0 30.0



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: BM016043.D

Acq: 24 Jul 2018 01:45

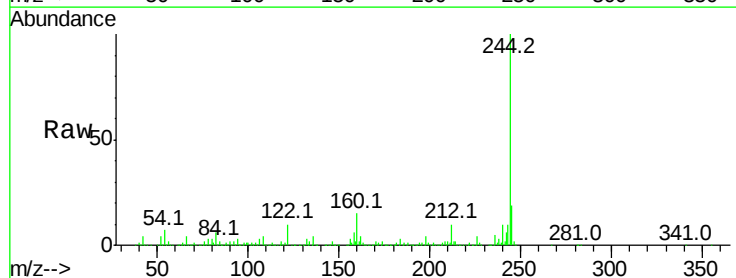
Tgt Ion:244 Resp: 1087888

Ion	Ratio	Lower	Upper
244	100		
212	9.9	4.9	7.3#
122	9.6	6.2	9.4#

244 100

212 9.9 4.9 7.3#

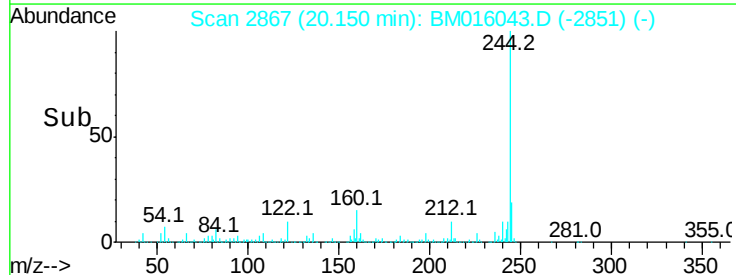
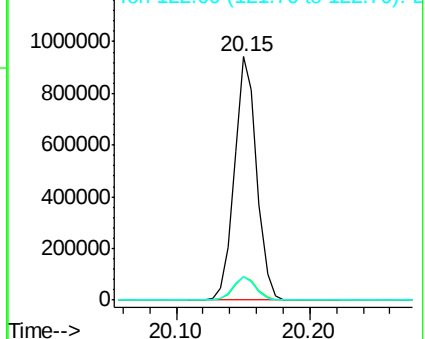
122 9.6 6.2 9.4#

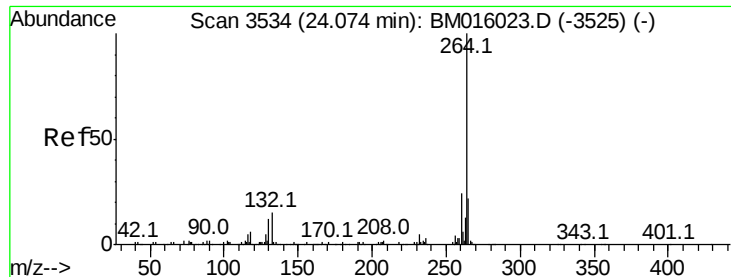


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

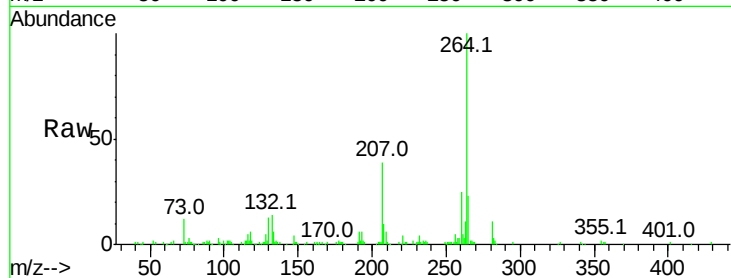




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.07 min Scan# 3533
Delta R.T. -0.01 min
Lab File: BM016043.D
Acq: 24 Jul 2018 01:45

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-WATER-01-QT3-2018

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.6	27.8
265	22.9	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

