

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009331.D
 Acq On : 22 Mar 2017 22:58
 Operator : SJ/MA
 Sample : I2296-05
 Misc : LOD 2 PPB
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Quant Time: Mar 23 16:21:49 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 16:43:02 2017
 Response via : Initial Calibration

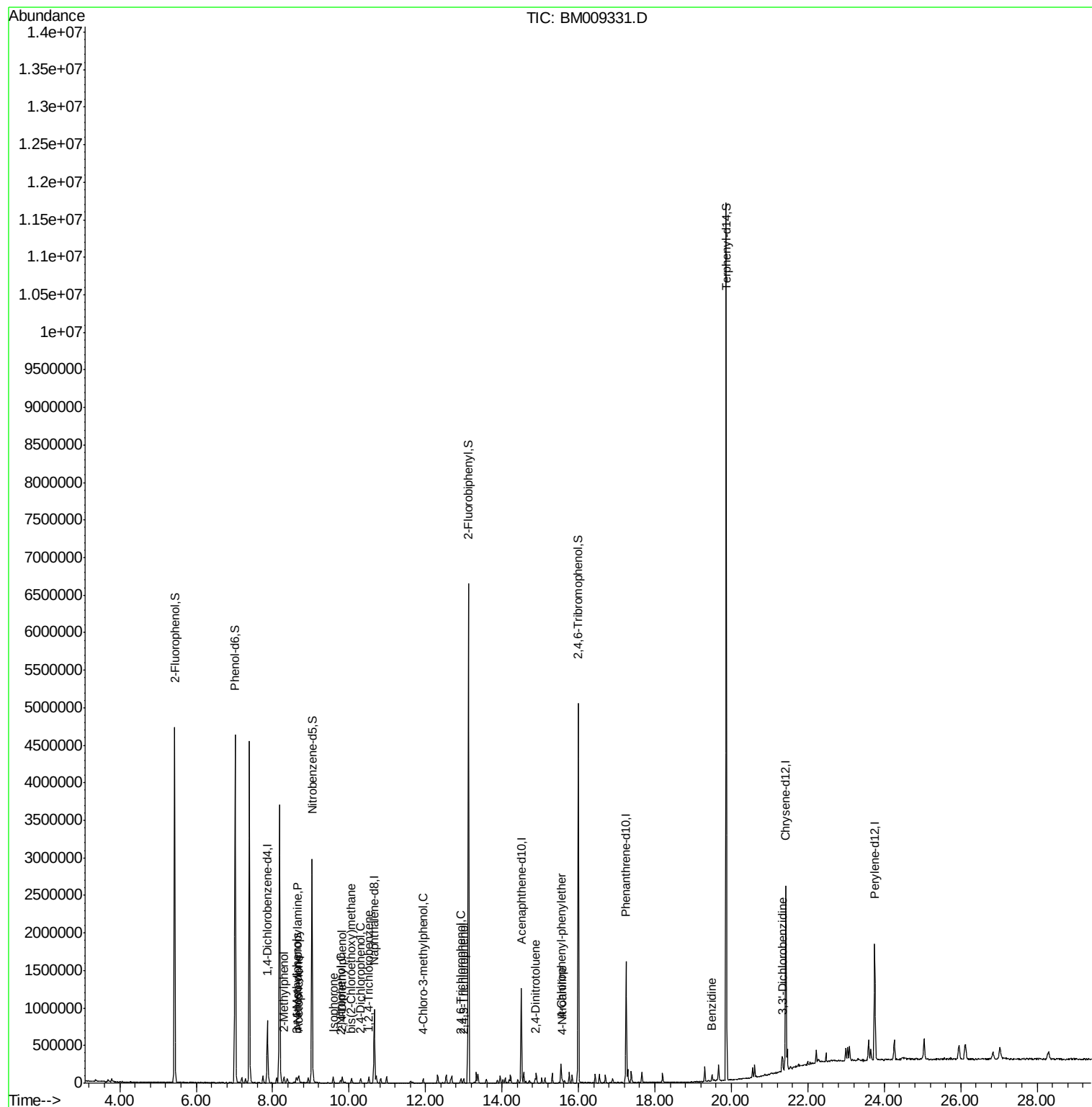
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	183135	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	672702	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	379981	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	874945	20.00	ng	0.00
75) Chrysene-d12	21.42	240	1158150	20.00	ng	0.00
86) Perylene-d12	23.75	264	1087551	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1607826	146.34	ng	0.00
7) Phenol-d6	7.02	99	2165044	144.50	ng	0.00
23) Nitrobenzene-d5	9.03	82	1660004	92.52	ng	0.00
41) 2,4,6-Tribromophenol	15.99	330	723847	153.34	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	2965390	94.04	ng	0.00
78) Terphenyl-d14	19.87	244	4516280	81.49	ng	0.00
Target Compounds						
17) 2-Methylphenol	8.29	107	20746	1.95	ng	# 78
19) n-Nitroso-di-n-propylamine	8.66	70	20279	1.68	ng	# 83
20) 3+4-Methylphenols	8.62	107	25173	1.74	ng	# 87
22) Acetophenone	8.69	105	36032	1.90	ng	# 84
25) Isophorone	9.59	82	50453	1.84	ng	# 89
26) 2-Nitrophenol	9.77	139	8467	1.60	ng	# 52
27) 2,4-Dimethylphenol	9.83	122	15630	1.61	ng	# 80
28) bis(2-Chloroethoxy)methane	10.07	93	33839	2.00	ng	95
29) 2,4-Dichlorophenol	10.30	162	18913	1.87	ng	88
30) 1,2,4-Trichlorobenzene	10.52	180	25514	2.03	ng	97
36) 4-Chloro-3-methylphenol	11.93	107	18784	1.64	ng	92
42) 2,4,6-Trichlorophenol	12.93	196	13464m	1.64	ng	
43) 2,4,5-Trichlorophenol	13.00	196	14233	1.56	ng	# 92
56) 2,4-Dinitrotoluene	14.87	165	12187	1.43	ng	# 91
60) 4-Chlorophenyl-phenylether	15.54	204	32253	1.93	ng	94
61) 4-Nitroaniline	15.58	138	9151	1.36	ng	# 32
76) Benzidine	19.50	184	42391	1.23	ng	100
81) 3,3'-Dichlorobenzidine	21.34	252	39936	1.58	ng	90

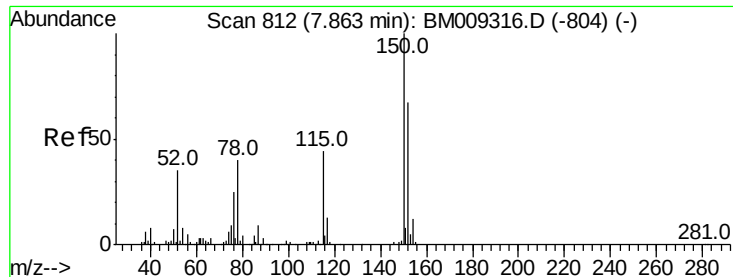
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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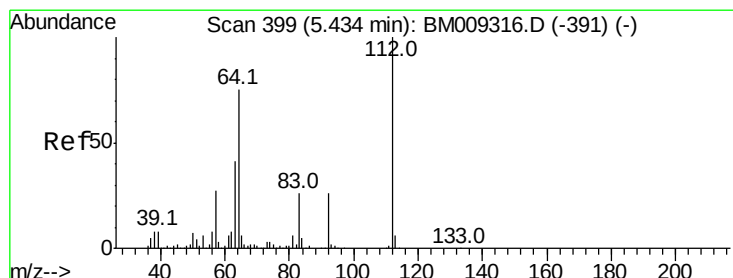
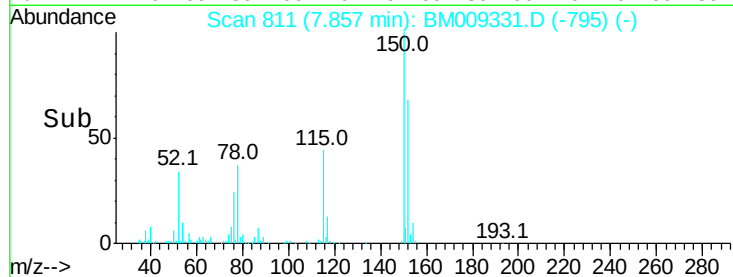
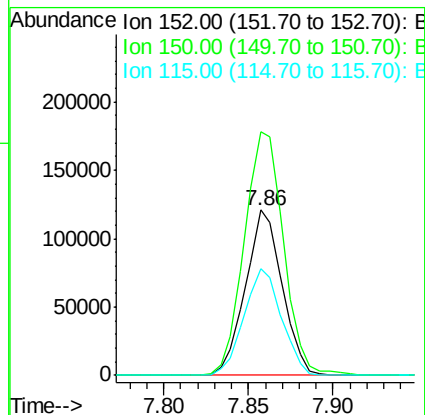
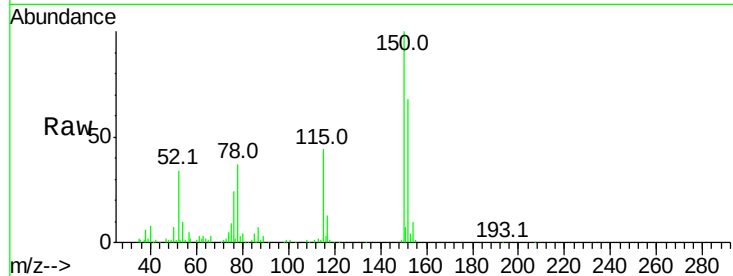


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT2-2017

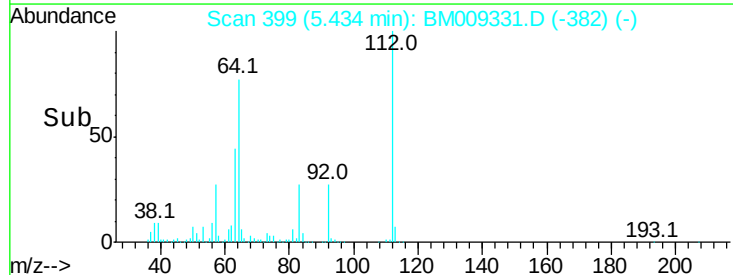
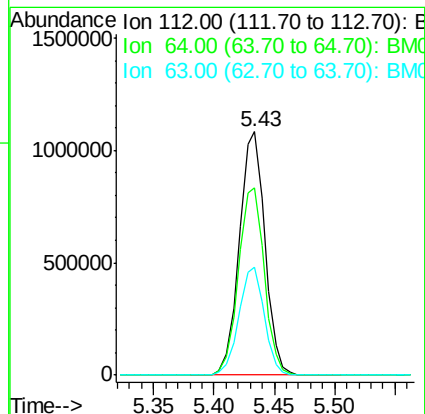
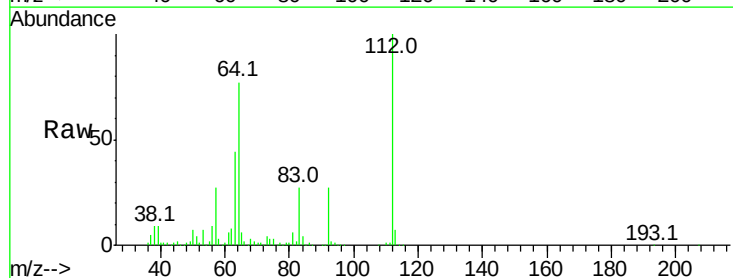
Tot Ion:152 Resp: 183135
Ion Ratio Lower Upper
152 100
150 147.3 119.5 179.3
115 64.7 43.0 64.4#

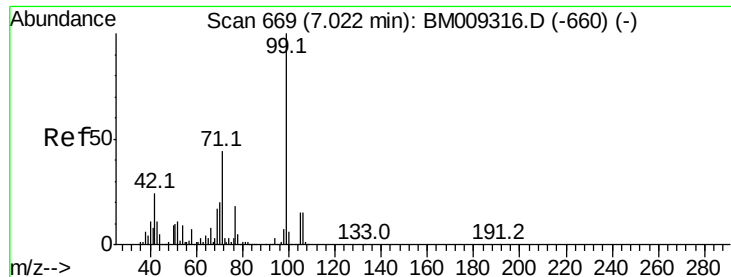


#5

2-Fluorophenol
Concen: 146.34 ng
RT: 5.43 min Scan# 399
Delta R.T. 0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Tgt Ion:112 Resp: 1607826
Ion Ratio Lower Upper
112 100
64 77.2 38.6 57.8#
63 44.4 19.3 28.9#





#7

Phenol-d6

Concen: 144.50 ng

RT: 7.02 min Scan# 669

Delta R.T. -0.00 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

Instrument :

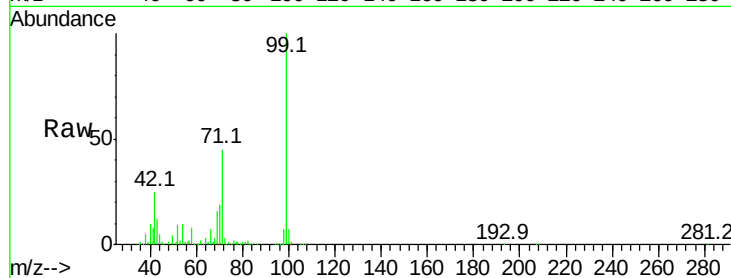
BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

Tot Ion: 99 Resp: 2165044

Ion	Ratio	Lower	Upper
99	100		
42	24.6	11.0	16.4#
71	45.2	23.4	35.2#

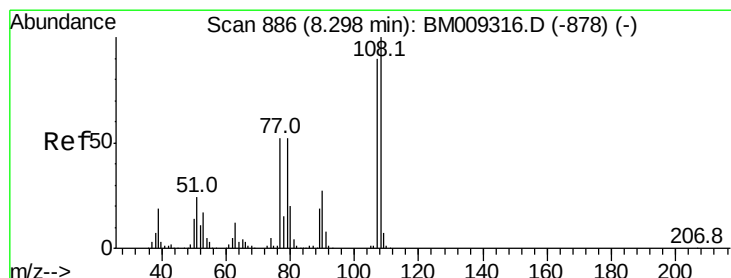
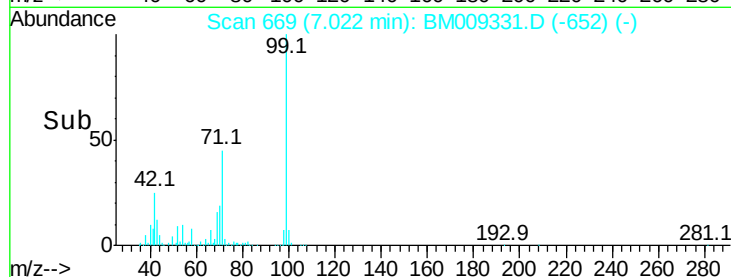
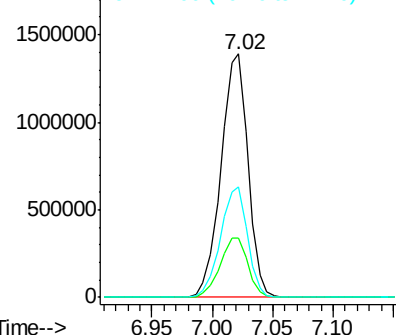


Abundance

Ion 99.00 (98.70 to 99.70): BM009331.D (-660) (-)

Ion 42.00 (41.70 to 42.70): BM009331.D (-660) (-)

Ion 71.00 (70.70 to 71.70): BM009331.D (-660) (-)



#17

2-Methylphenol

Concen: 1.95 ng

RT: 8.29 min Scan# 885

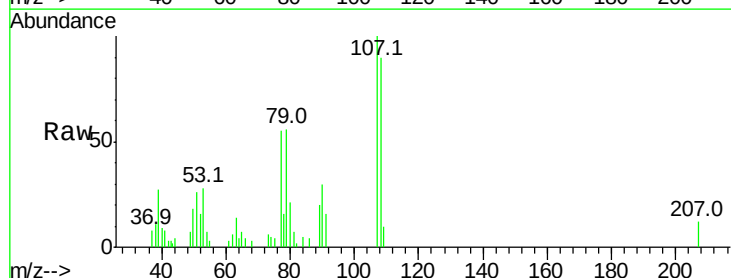
Delta R.T. -0.01 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

Tgt Ion: 107 Resp: 20746

Ion	Ratio	Lower	Upper
107	100		
108	90.3	89.8	134.8
77	55.4	32.6	48.8#
79	55.6	32.8	49.2#



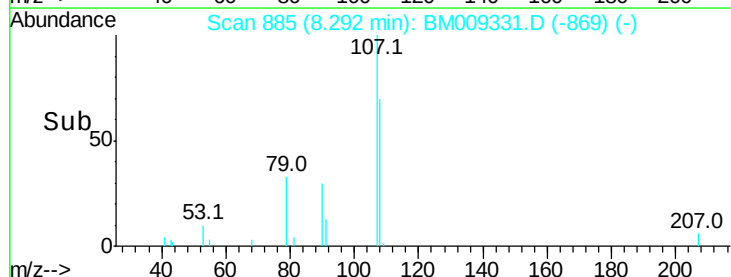
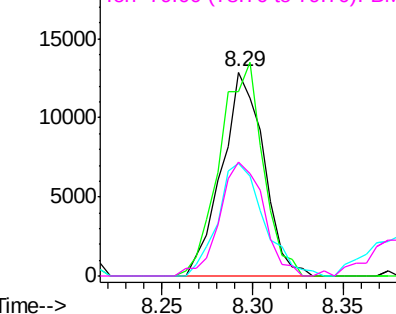
Abundance

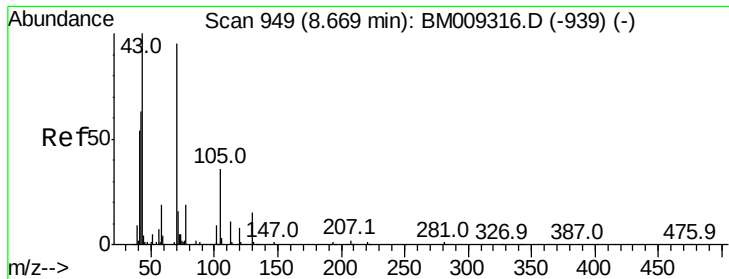
Ion 107.00 (106.70 to 107.70): BM009331.D (-869) (-)

Ion 108.00 (107.70 to 108.70): BM009331.D (-869) (-)

Ion 77.00 (76.70 to 77.70): BM009331.D (-869) (-)

Ion 79.00 (78.70 to 79.70): BM009331.D (-869) (-)

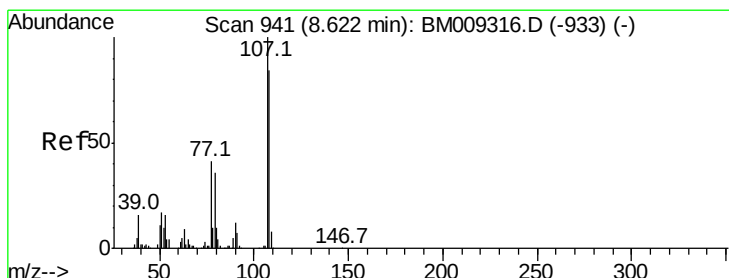
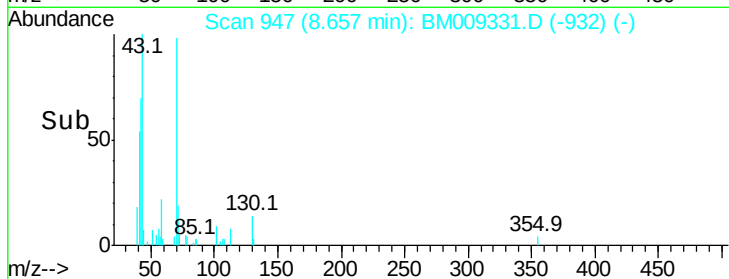
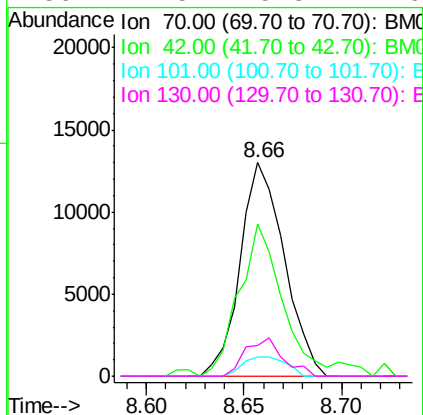
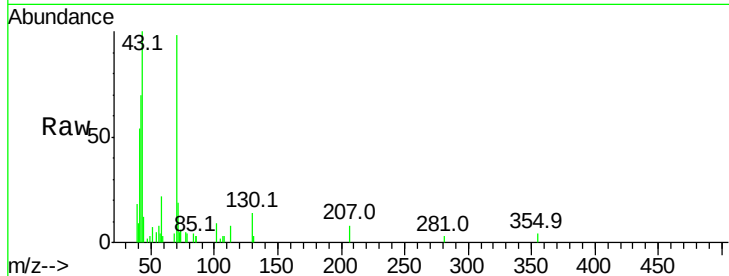




#19
n-Nitroso-di-n-propylamine
Concen: 1.68 ng
RT: 8.66 min Scan# 947
Delta R.T. -0.01 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

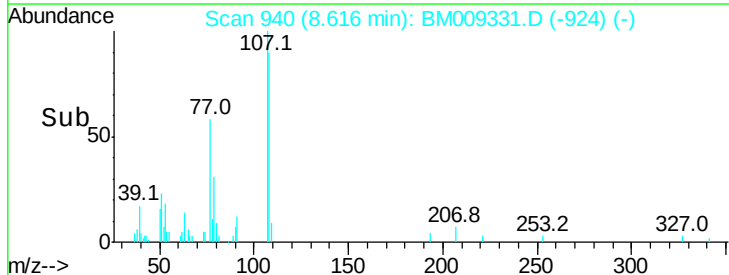
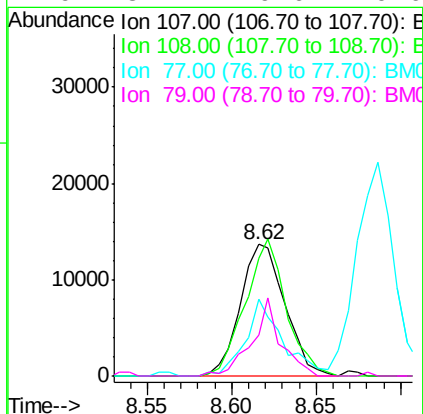
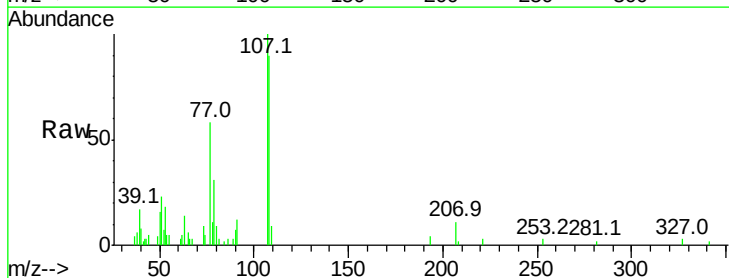
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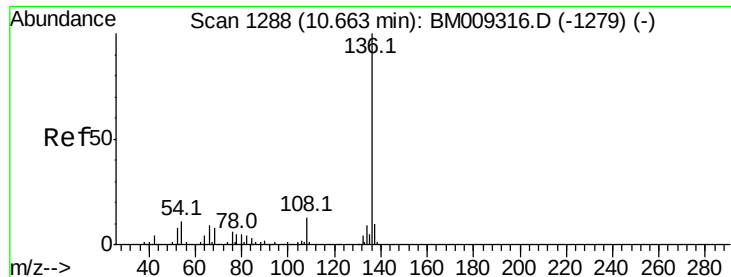
Tot Ion: 70 Resp: 20279
Ion Ratio Lower Upper
70 100
42 71.3 44.5 66.7#
101 9.2 7.4 11.2
130 14.5 15.3 22.9#



#20
3+4-Methylphenols
Concen: 1.74 ng
RT: 8.62 min Scan# 940
Delta R.T. -0.01 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Tgt Ion:107 Resp: 25173
Ion Ratio Lower Upper
107 100
108 89.8 73.2 113.2
77 58.1 10.7 50.7#
79 31.2 9.6 49.6

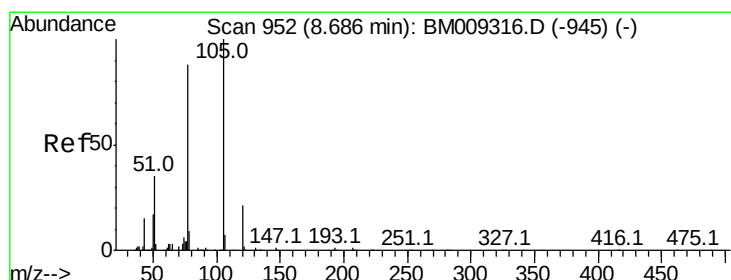
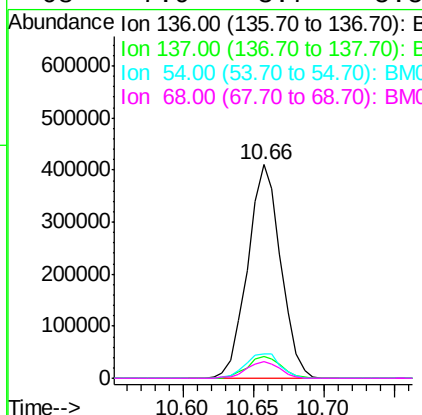
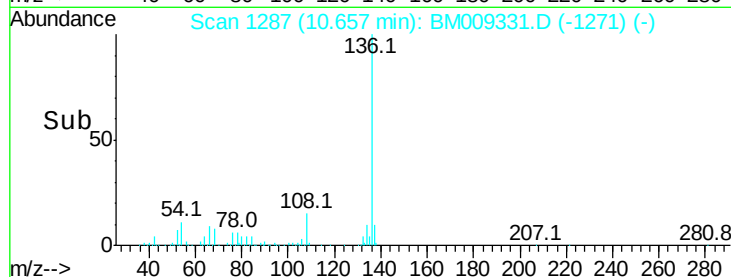
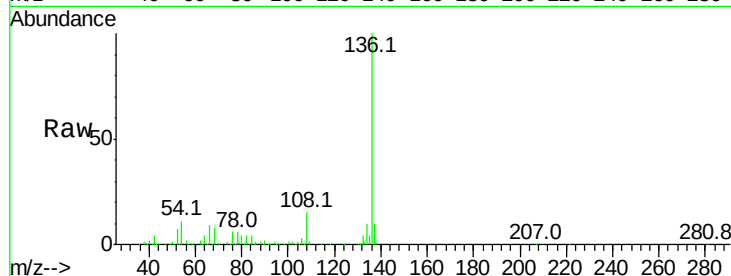




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

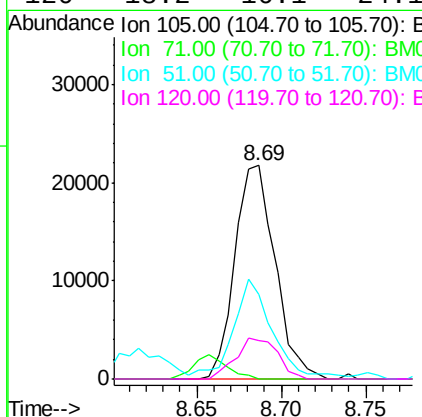
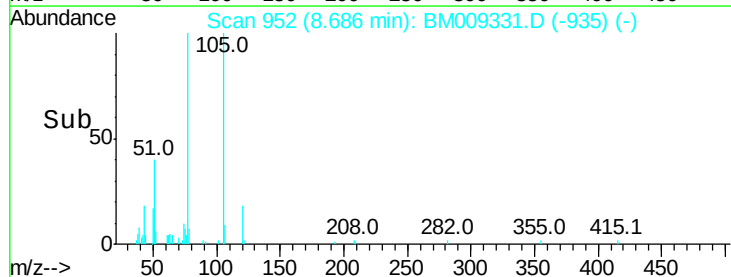
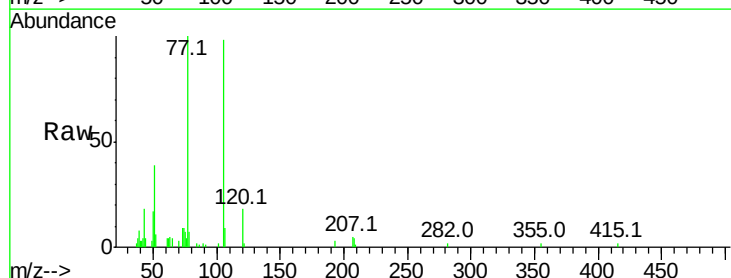
Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT2-2017

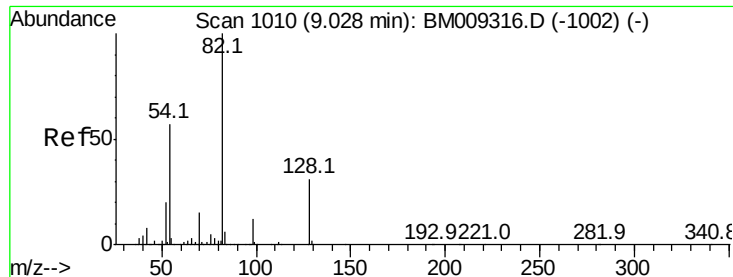
Tot Ion:136	Resp: 672702
Ion Ratio	Lower Upper
136 100	
137 10.2	8.7 13.1
54 11.4	4.6 6.8#
68 7.9	3.7 5.5#



#22
Acetophenone
Concen: 1.90 ng
RT: 8.69 min Scan# 952
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Tgt	Ion:105	Resp:	36032
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	39.8	21.6	32.4#
120	18.2	16.1	24.1

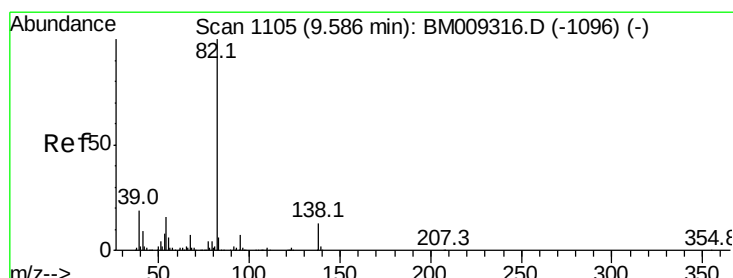
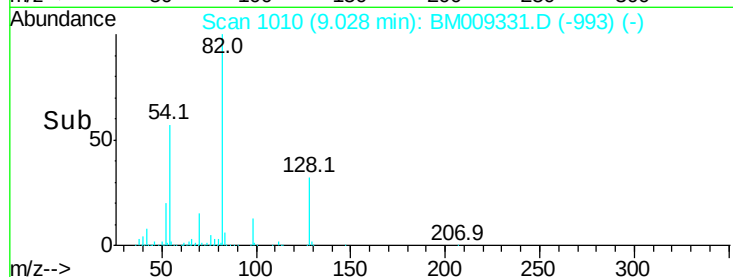
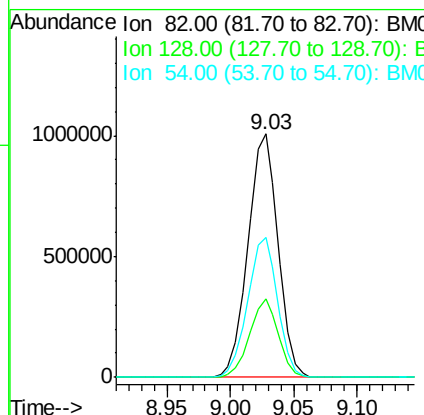
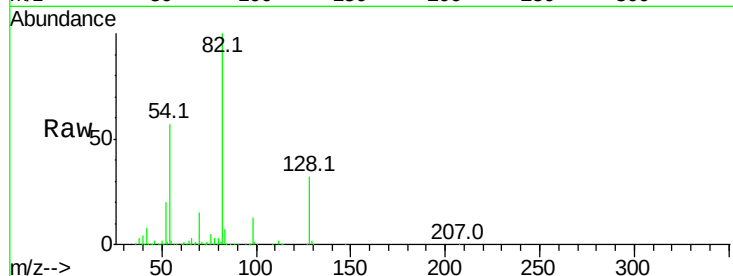




#23
Nitrobenzene-d5
Concen: 92.52 ng
RT: 9.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

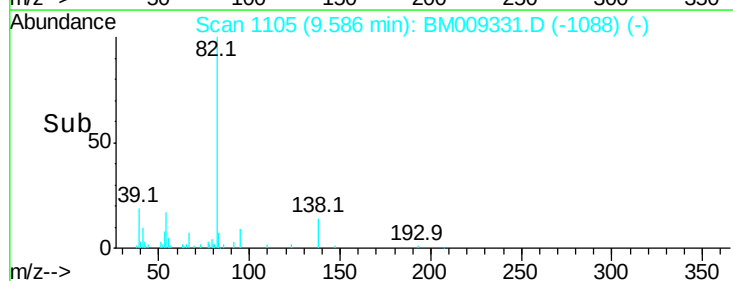
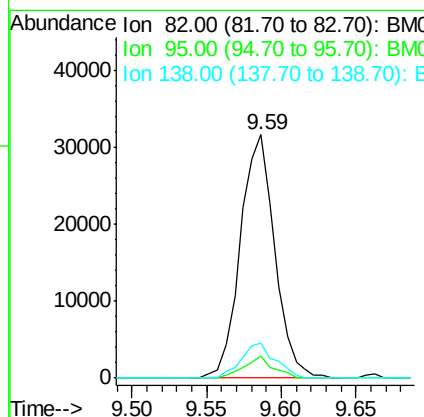
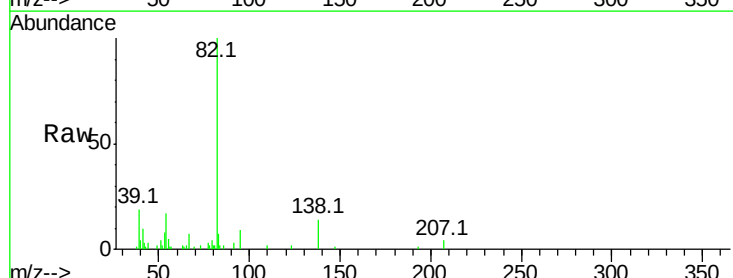
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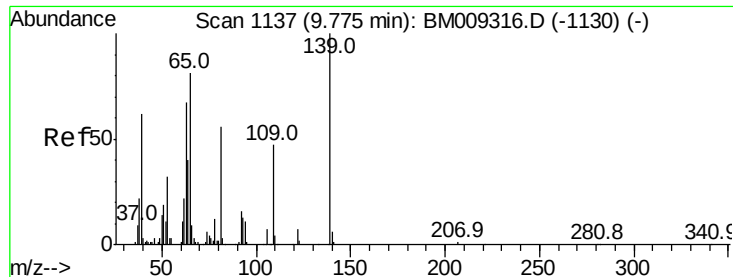
Tot Ion: 82 Resp: 1660004
Ion Ratio Lower Upper
82 100
128 32.0 32.8 49.2#
54 57.3 40.6 60.8



#25
Isophorone
Concen: 1.84 ng
RT: 9.59 min Scan# 1105
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Tgt Ion: 82 Resp: 50453
Ion Ratio Lower Upper
82 100
95 9.3 5.8 8.6#
138 14.2 16.3 24.5#

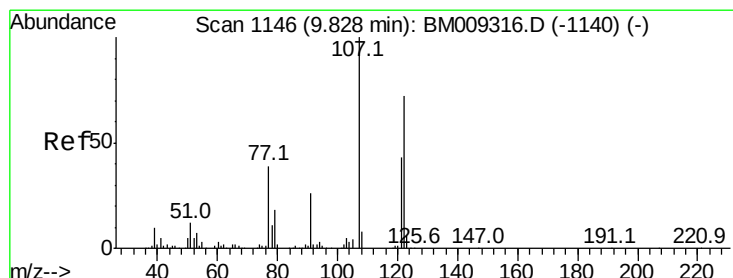
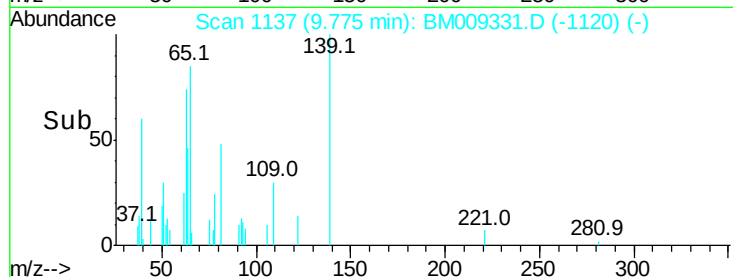
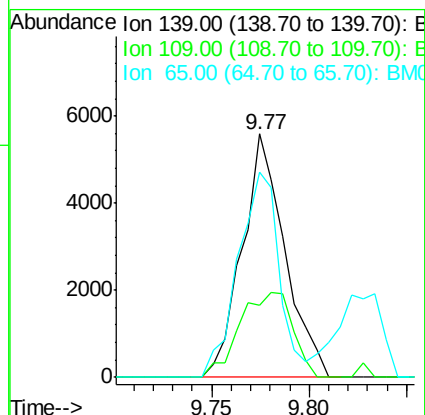
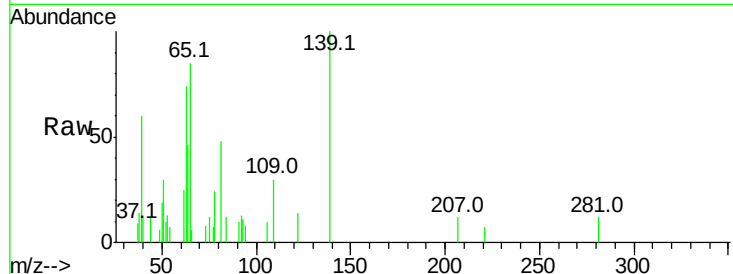




#26
2-Nitrophenol
Concen: 1.60 ng
RT: 9.77 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

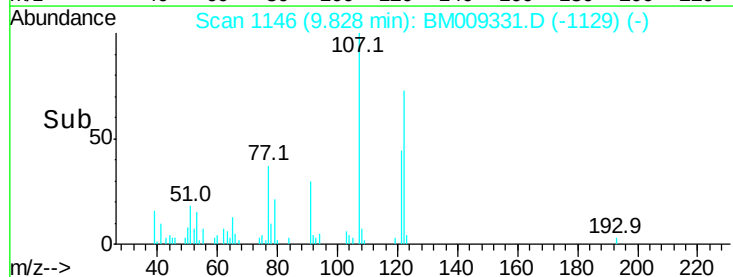
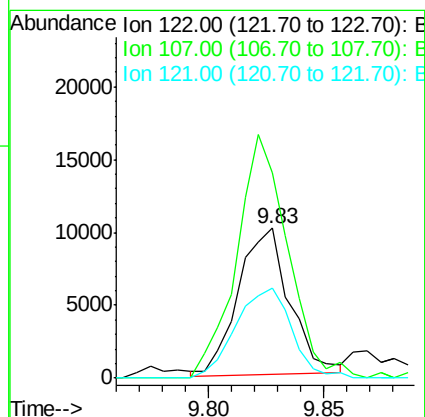
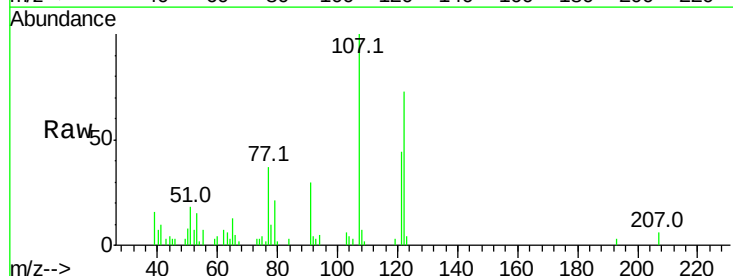
Instrument :
BNA_M
ClientSampleId :
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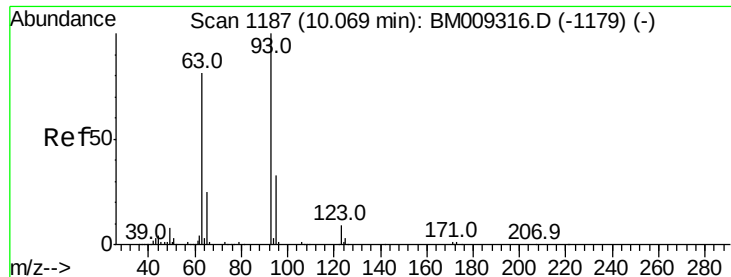
Tot Ion	Ratio	Lower	Upper
139	100		
109	29.6	20.1	30.1
65	84.5	31.5	47.3#



#27
2,4-Dimethylphenol
Concen: 1.61 ng
RT: 9.83 min Scan# 1146
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Tgt Ion	Ratio	Lower	Upper
122	100		
107	136.8	84.7	127.1#
121	60.3	46.6	69.8

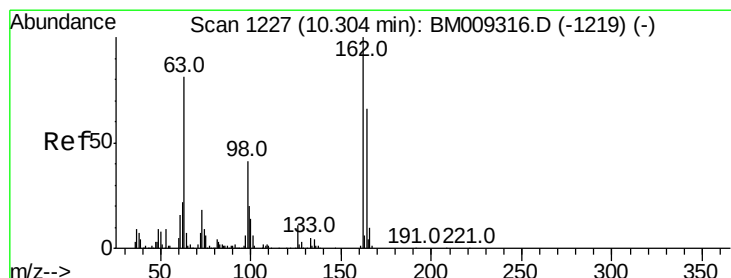
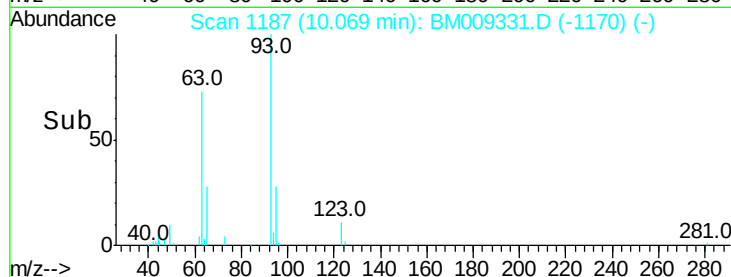
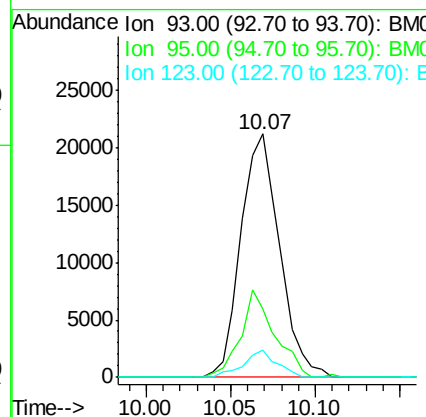
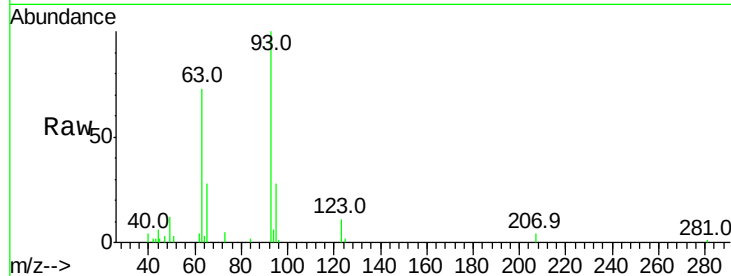




#28
bis(2-Chloroethoxy)methane
Concen: 2.00 ng
RT: 10.07 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

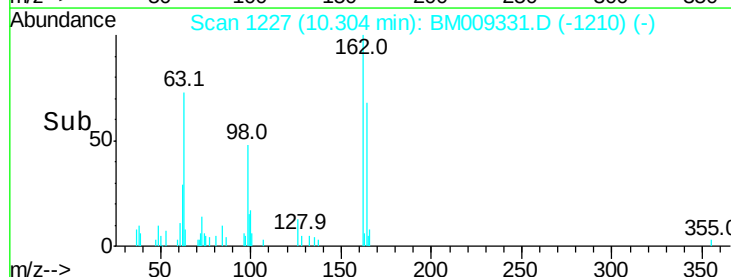
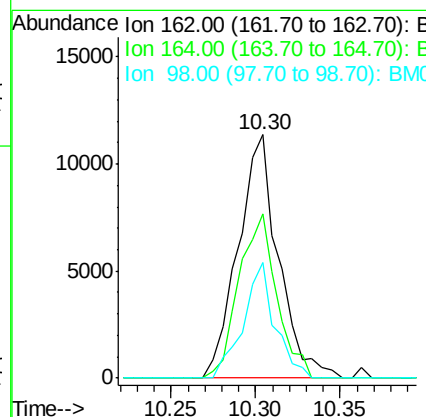
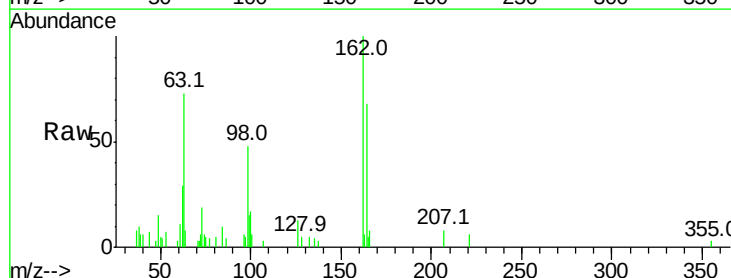
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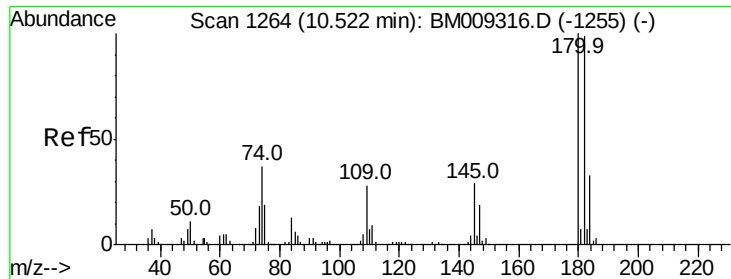
Tot Ion: 93 Resp: 33839
Ion Ratio Lower Upper
93 100
95 28.1 25.5 38.3
123 11.2 8.6 13.0



#29
2,4-Dichlorophenol
Concen: 1.87 ng
RT: 10.30 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Tgt Ion: 162 Resp: 18913
Ion Ratio Lower Upper
162 100
164 67.5 42.8 82.8
98 47.7 14.5 54.5

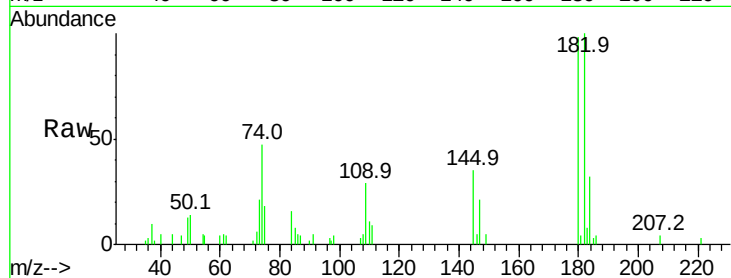




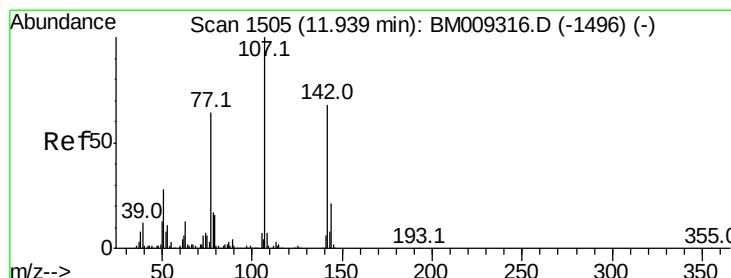
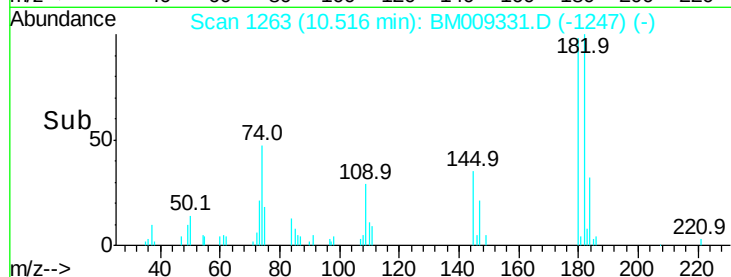
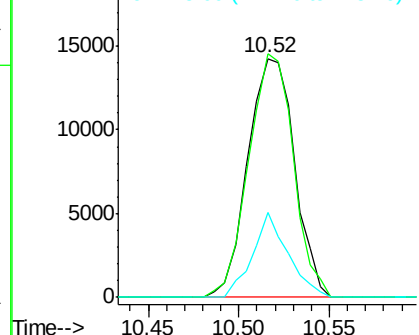
#30
 1,2,4-Trichlorobenzene
 Concen: 2.03 ng
 RT: 10.52 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BM009331.D
 Acq: 22 Mar 2017 22:58

Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion:180 Resp: 25514
 Ion Ratio Lower Upper
 180 100
 182 97.8 77.6 116.4
 145 34.3 23.4 35.2

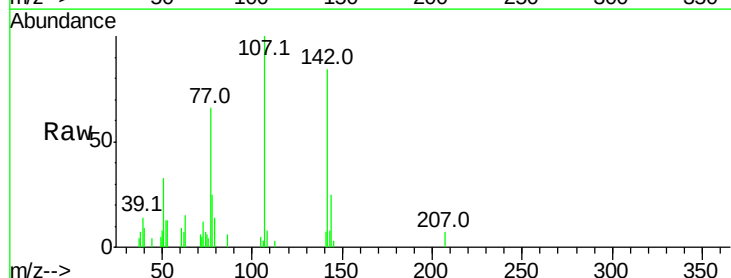


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

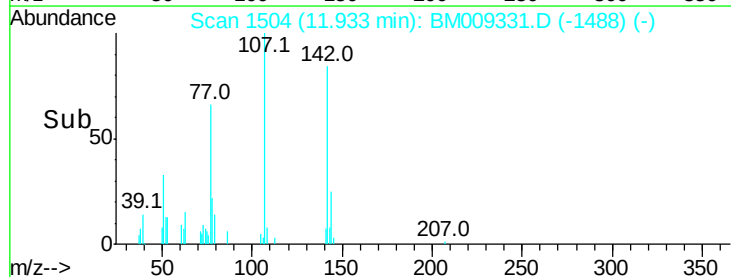
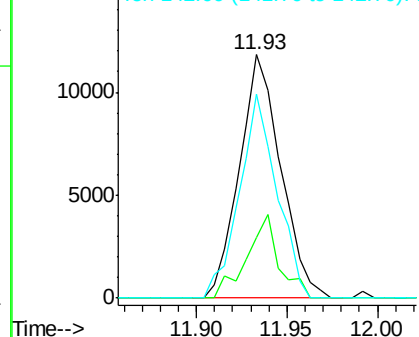


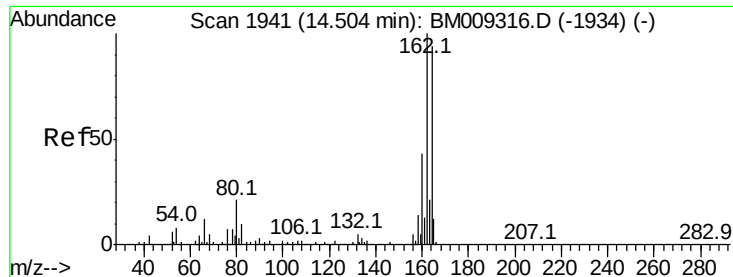
#36
 4-Chloro-3-methylphenol
 Concen: 1.64 ng
 RT: 11.93 min Scan# 1504
 Delta R.T. -0.01 min
 Lab File: BM009331.D
 Acq: 22 Mar 2017 22:58

Tgt Ion:107 Resp: 18784
 Ion Ratio Lower Upper
 107 100
 144 24.8 23.3 34.9
 142 83.8 72.6 109.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.50 min Scan# 1941

Delta R.T. -0.00 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

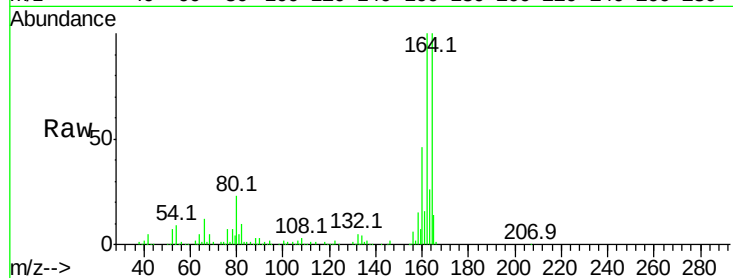
Tot Ion:164 Resp: 379981

Ion Ratio Lower Upper

164 100

162 100.3 82.4 123.6

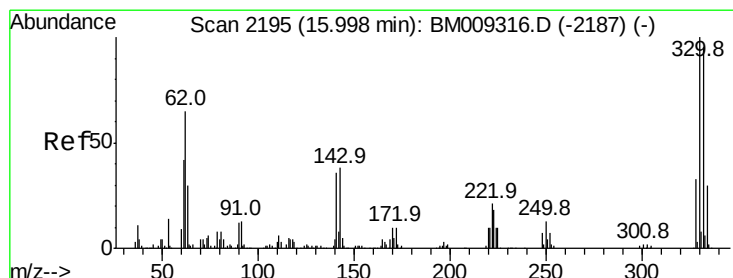
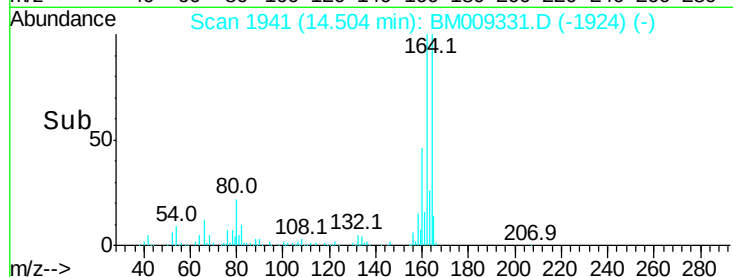
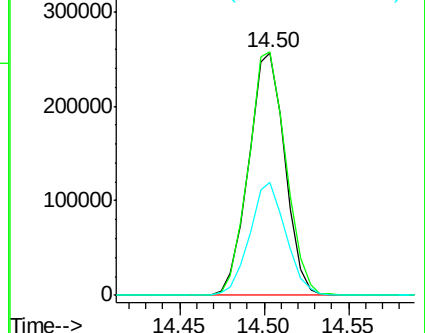
160 46.5 35.8 53.6



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: 153.34 ng

RT: 15.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

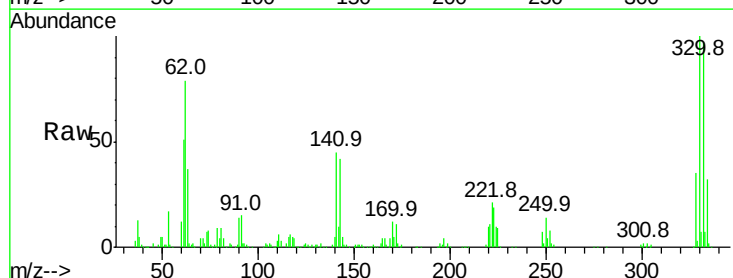
Tgt Ion:330 Resp: 723847

Ion Ratio Lower Upper

330 100

332 96.9 0.0 0.0#

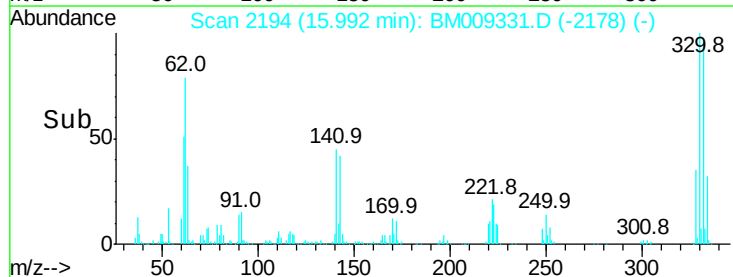
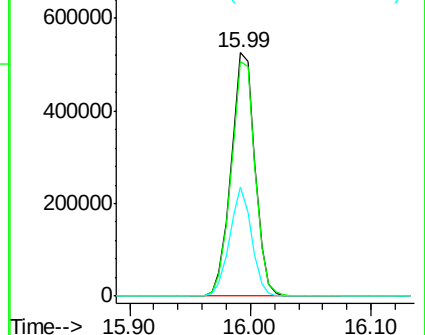
141 41.3 0.0 0.0#

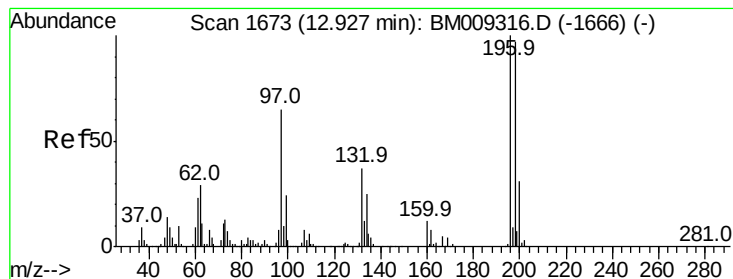


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 1.64 ng/mL

RT: 12.93 min Scan# 1673

Delta R.T. -0.00 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

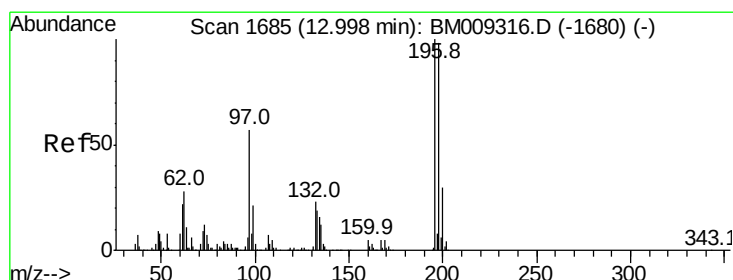
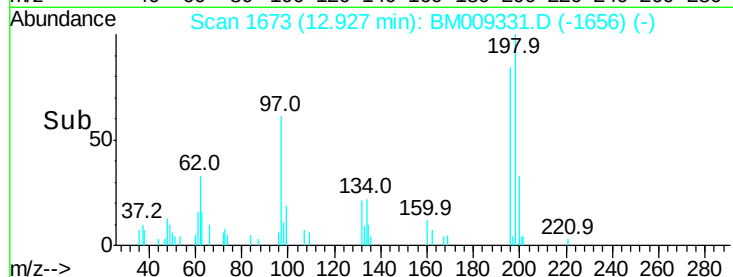
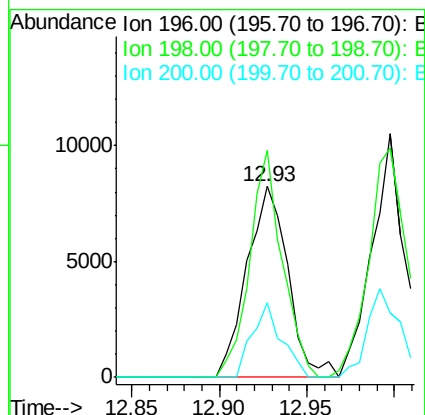
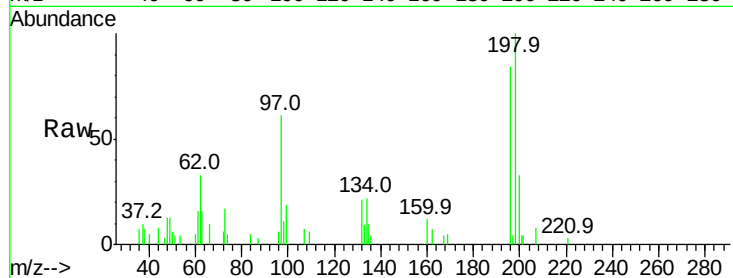
Tot Ion:196 Resp: 13464

Ion Ratio Lower Upper

196 100

198 119.2 76.3 114.5#

200 38.9 25.6 38.4#



#43

2,4,5-Trichlorophenol

Concen: 1.56 ng/mL

RT: 13.00 min Scan# 1685

Delta R.T. -0.00 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

Tgt Ion:196 Resp: 14233

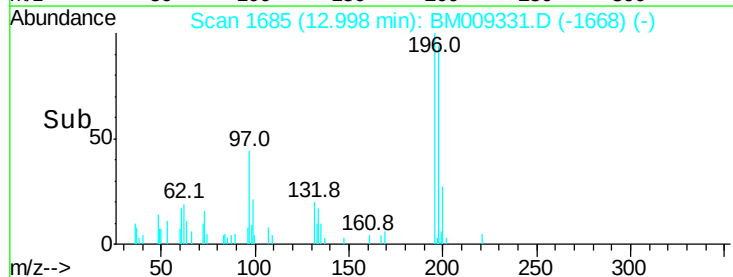
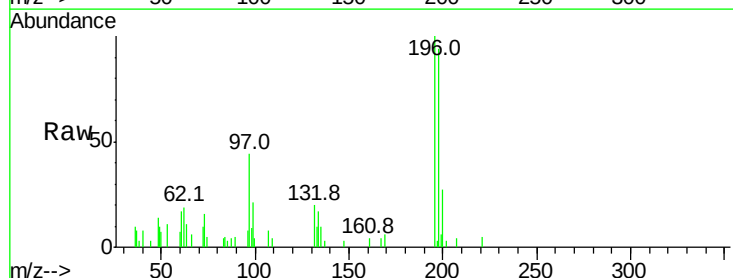
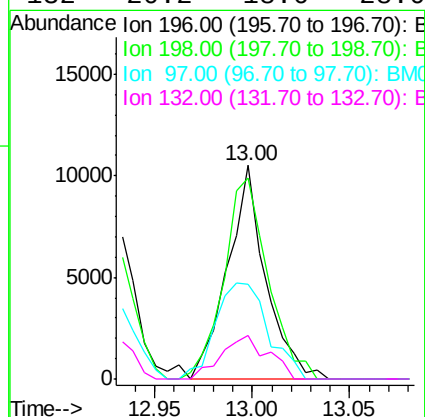
Ion Ratio Lower Upper

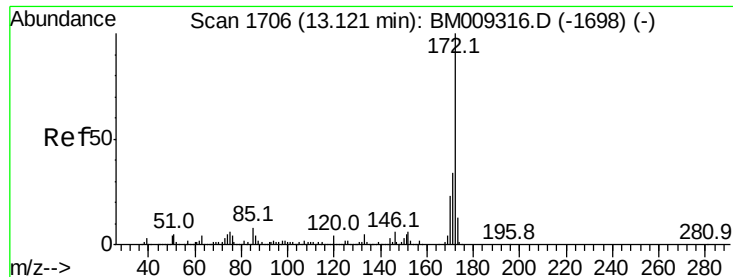
196 100

198 94.2 79.4 119.0

97 44.1 26.8 40.2#

132 20.2 18.6 28.0

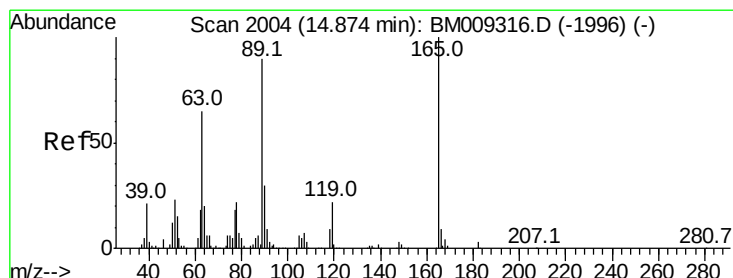
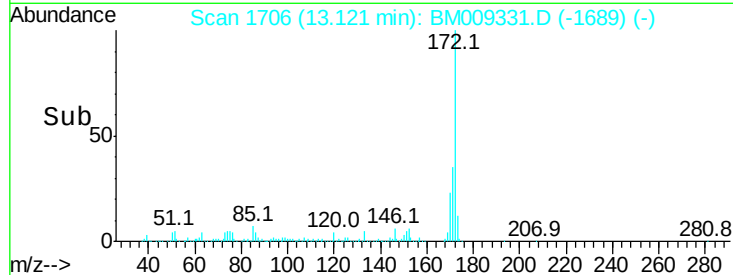
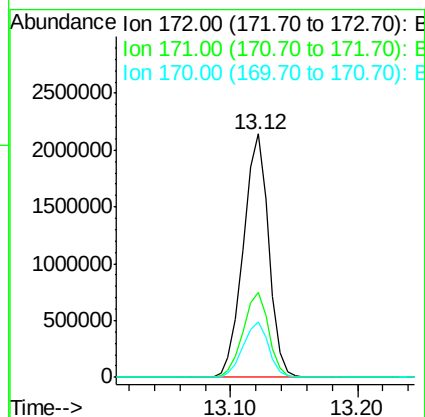
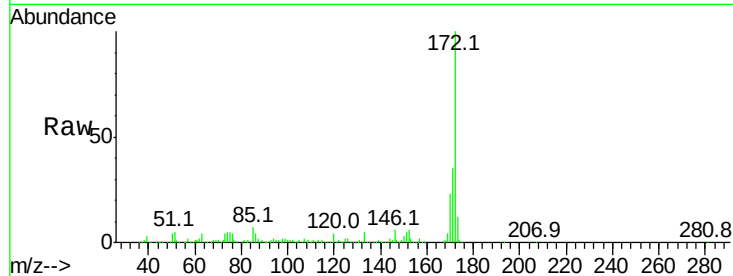




#44
2-Fluorobiphenyl
Concen: 94.04 ng
RT: 13.12 min Scan# 1706
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

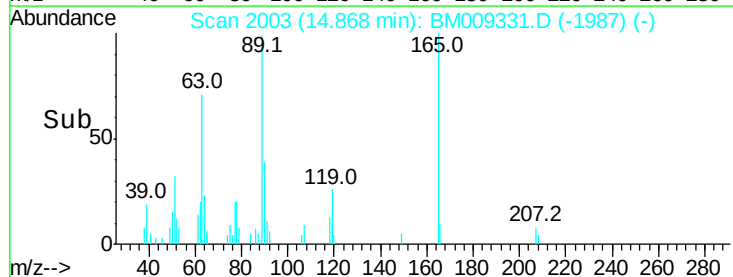
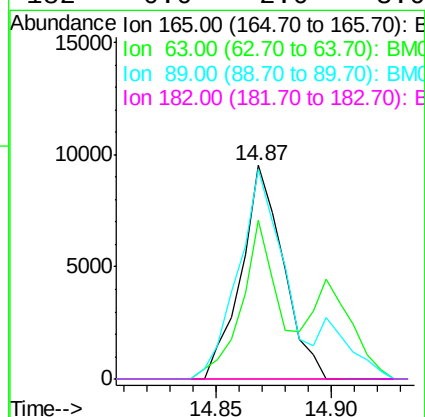
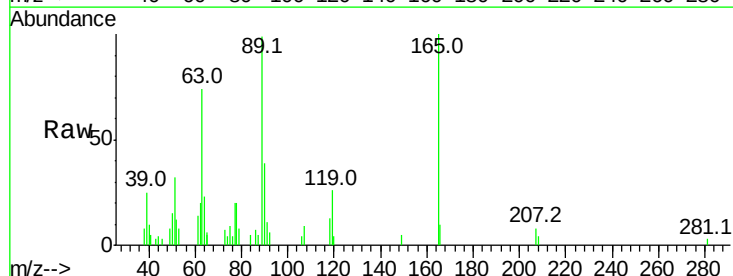
Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT2-2017

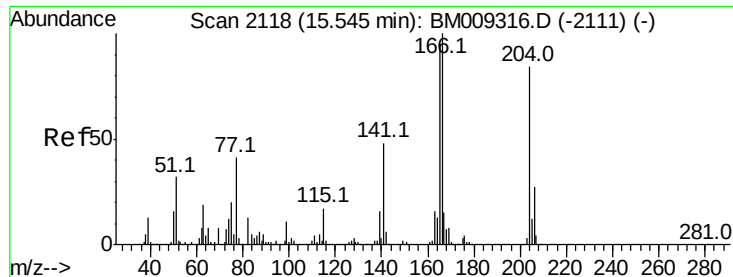
Tot Ion:172 Resp: 2965390
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.9 18.8 28.2



#56
2,4-Dinitrotoluene
Concen: 1.43 ng
RT: 14.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Tgt Ion:165 Resp: 12187
Ion Ratio Lower Upper
165 100
63 74.0 52.4 78.6
89 98.6 72.4 108.6
182 0.0 2.0 3.0#

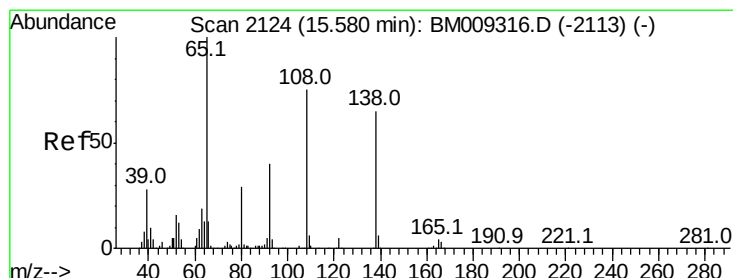
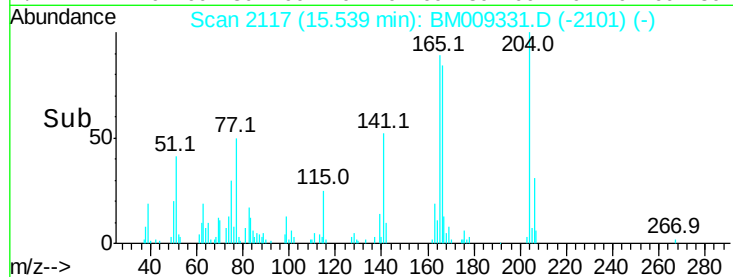
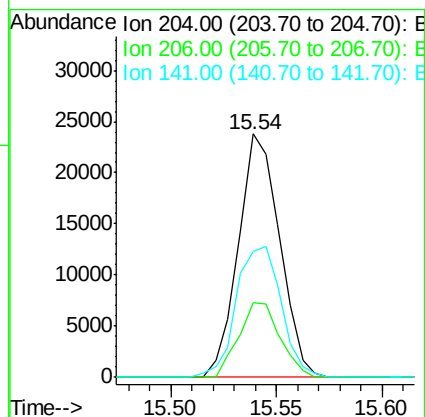
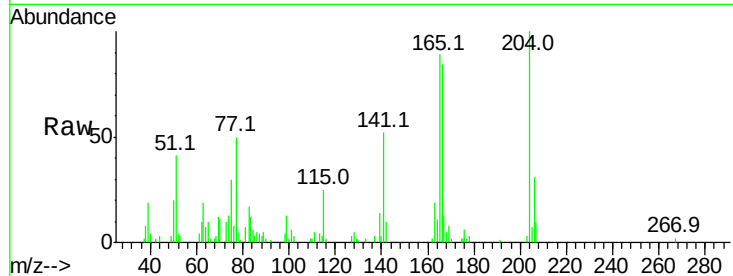




#60
4-Chlorophenyl-phenylether
Concen: 1.93 ng
RT: 15.54 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

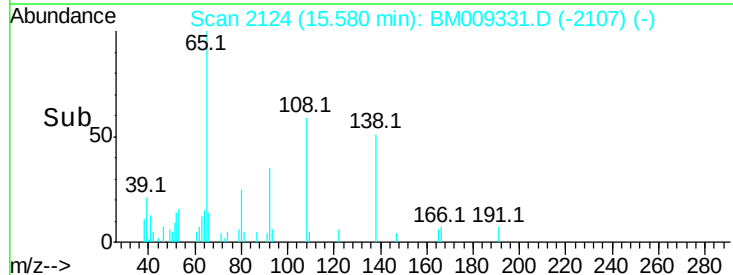
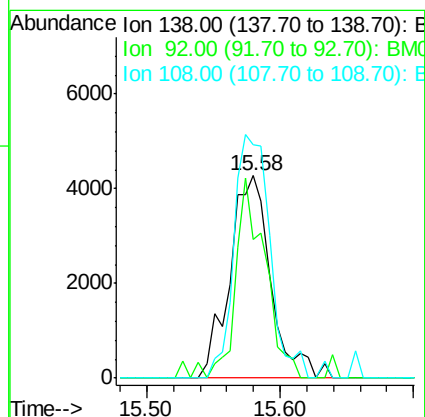
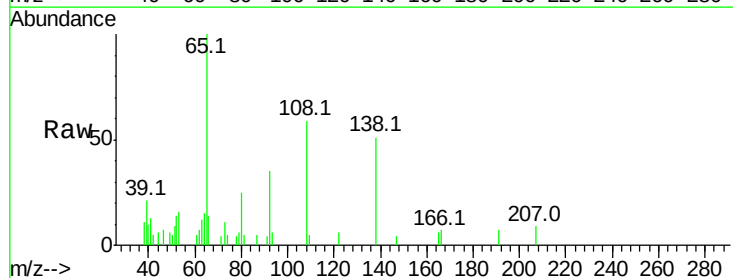
Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT2-2017

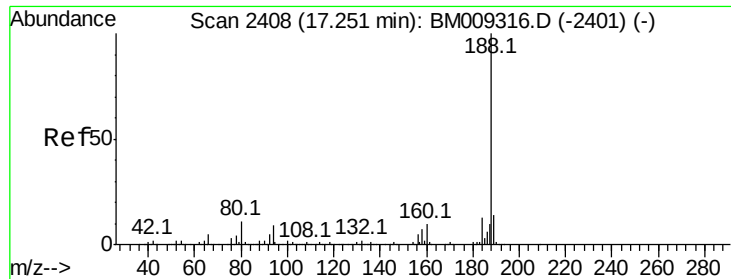
Tot Ion:204 Resp: 32253
Ion Ratio Lower Upper
204 100
206 30.6 26.6 39.8
141 51.8 45.2 67.8



#61
4-Nitroaniline
Concen: 1.36 ng
RT: 15.58 min Scan# 2124
Delta R.T. -0.00 min
Lab File: BM009331.D
Acq: 22 Mar 2017 22:58

Tgt Ion:138 Resp: 9151
Ion Ratio Lower Upper
138 100
92 68.4 16.7 56.7#
108 115.0 37.6 77.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.25 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

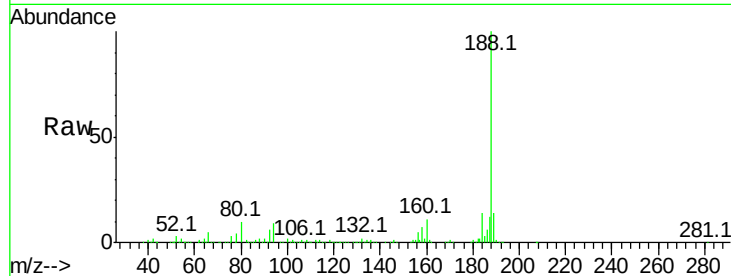
Tot Ion:188 Resp: 874945

Ion Ratio Lower Upper

188 100

94 8.8 8.7 13.1

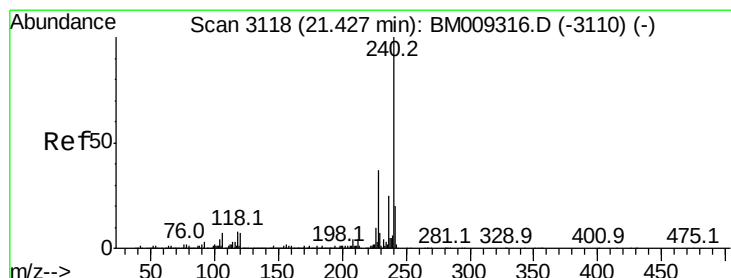
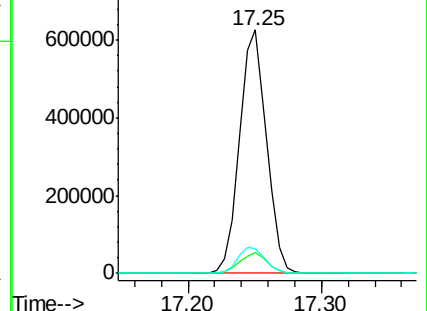
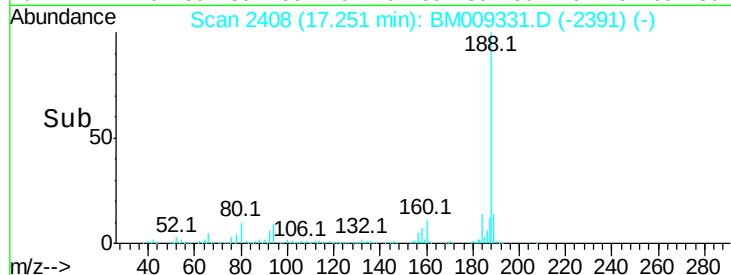
80 10.2 9.3 13.9



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.42 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

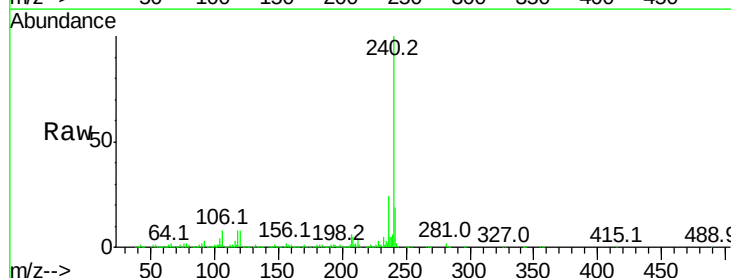
Tgt Ion:240 Resp: 1158150

Ion Ratio Lower Upper

240 100

120 8.1 8.2 12.2#

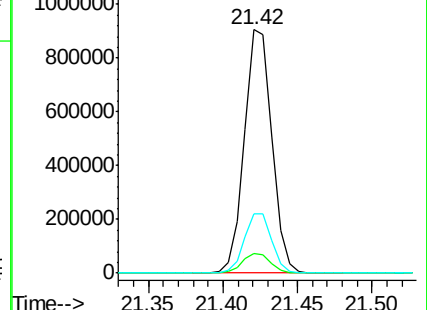
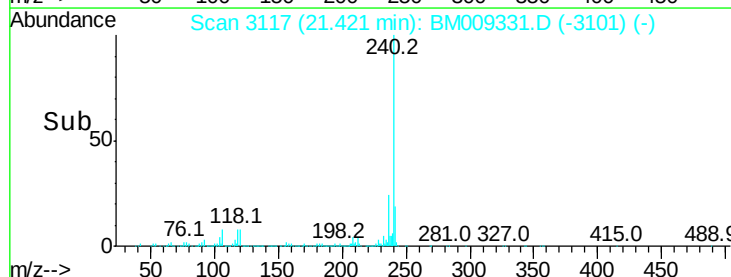
236 24.2 20.0 30.0

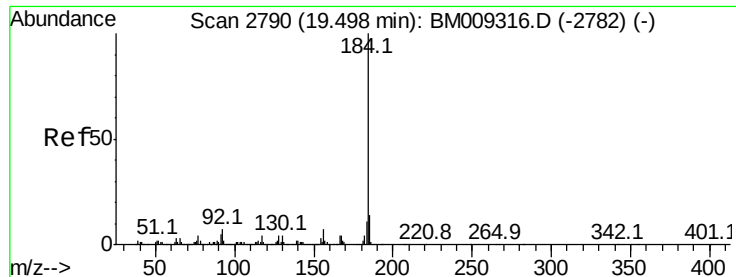


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 1.23 ng

RT: 19.50 min Scan# 2790

Delta R.T. -0.00 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

Instrument :

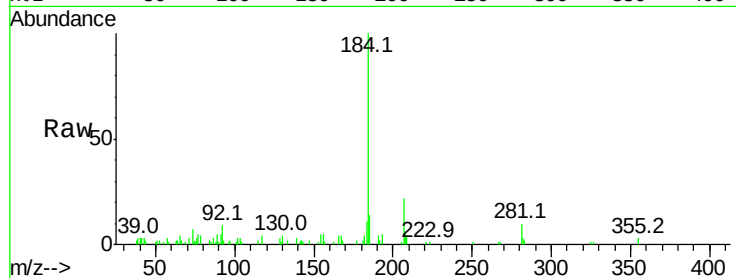
BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

Tot Ion:184 Resp: 42391

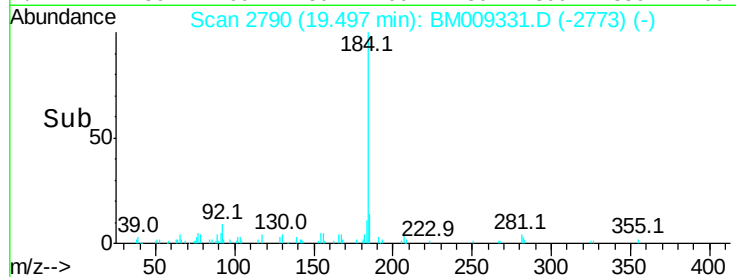
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	10.9	8.9	13.3



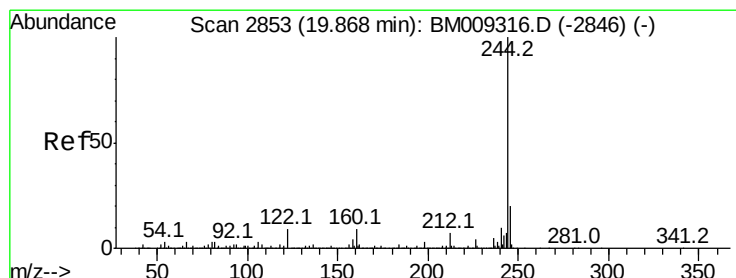
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#78

Terphenyl-d14

Concen: 81.49 ng

RT: 19.87 min Scan# 2853

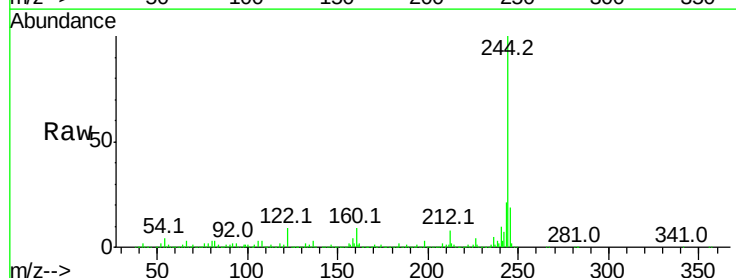
Delta R.T. 0.00 min

Lab File: BM009331.D

Acq: 22 Mar 2017 22:58

Tgt Ion:244 Resp: 4516280

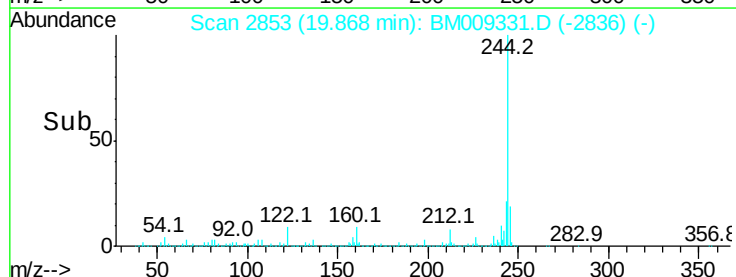
Ion	Ratio	Lower	Upper
244	100		
212	7.7	4.9	7.3#
122	8.7	6.2	9.4



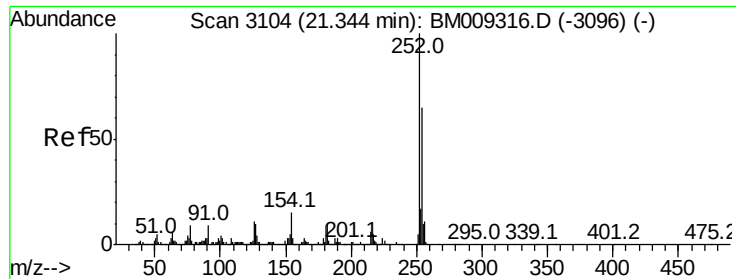
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



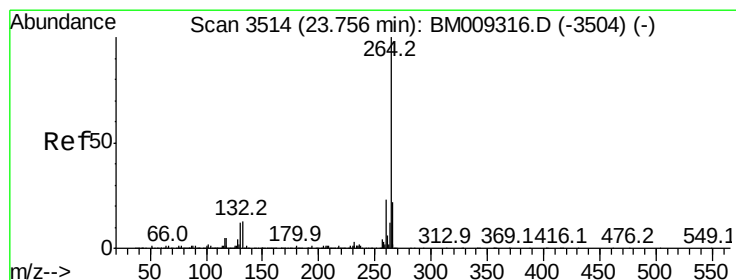
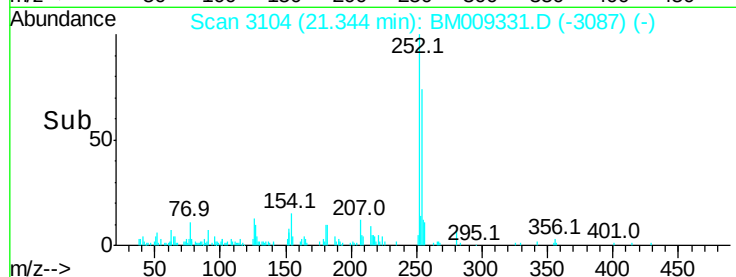
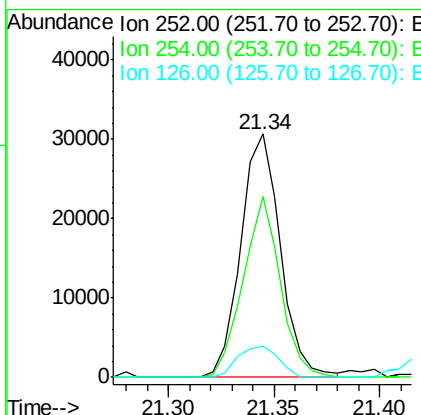
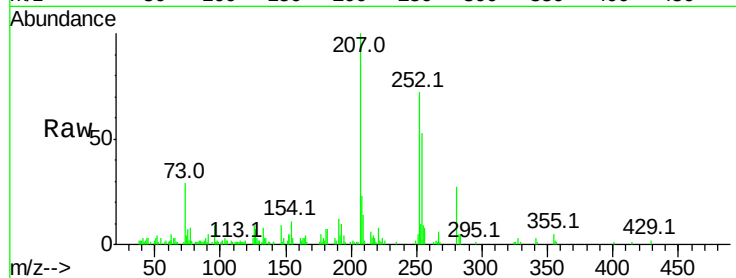
Time-->



#81
 3,3'-Dichlorobenzidine
 Concen: 1.58 ng
 RT: 21.34 min Scan# 3104
 Delta R.T. -0.00 min
 Lab File: BM009331.D
 Acq: 22 Mar 2017 22:58

Instrument :
 BNA_M
 ClientSampleId :
 LOD-WATER-05-QT2-2017

Tot Ion	Ratio	Lower	Upper
252	100		
254	74.2	51.9	77.9
126	13.0	9.8	14.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 23.75 min Scan# 3513
 Delta R.T. -0.01 min
 Lab File: BM009331.D
 Acq: 22 Mar 2017 22:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	18.6	27.8
265	21.0	17.3	25.9

