

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032217\
 Data File : BM009332.D
 Acq On : 22 Mar 2017 23:34
 Operator : SJ/MA
 Sample : I2296-05
 Misc : LOD 5 PPB
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 23 16:27:21 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	172614	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	636098	20.00	ng	0.00
38) Acenaphthene-d10	14.50	164	362382	20.00	ng	0.00
63) Phenanthrene-d10	17.25	188	828100	20.00	ng	0.00
75) Chrysene-d12	21.42	240	1086511	20.00	ng	0.00
86) Perylene-d12	23.75	264	1022091	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1445825	139.62	ng	0.00
7) Phenol-d6	7.02	99	1973624	139.76	ng	0.00
23) Nitrobenzene-d5	9.03	82	1528132	90.07	ng	0.00
41) 2,4,6-Tribromophenol	15.99	330	671244	149.10	ng	0.00
44) 2-Fluorobiphenyl	13.12	172	2782964	92.54	ng	0.00
78) Terphenyl-d14	19.87	244	4201221	80.80	ng	0.00

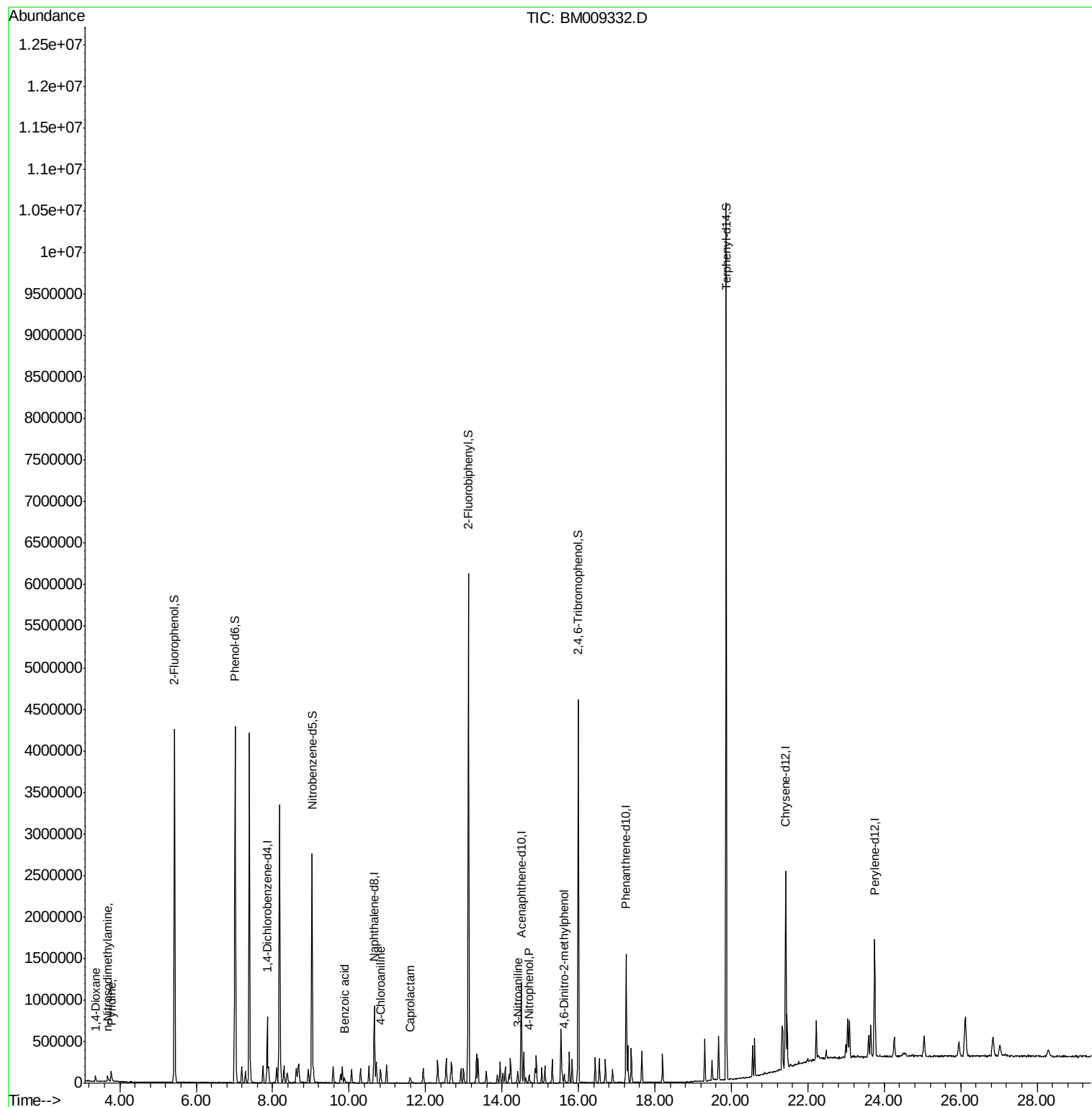
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	24023	4.61	ng	# 100
3) Pyridine	3.77	79	72724	4.94	ng	# 82
4) n-Nitrosodimethylamine	3.68	42	38331	4.89	ng	# 66
32) Benzoic acid	9.87	122	13183	2.11	ng	# 46
33) 4-Chloroaniline	10.82	127	63091	4.84	ng	# 78
35) Caprolactam	11.59	113	12011	4.10	ng	# 69
52) 3-Nitroaniline	14.42	138	25308	4.28	ng	# 54
55) 4-Nitrophenol	14.71	139	19285	3.95	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.63	198	19062	3.65	ng	87

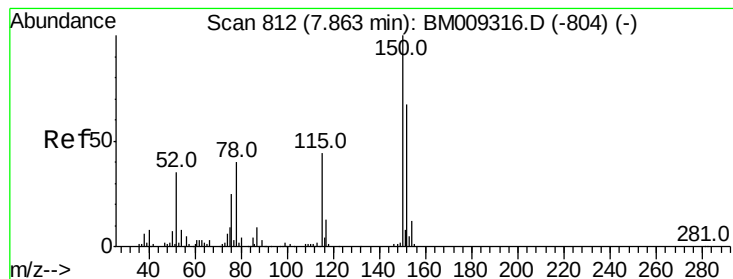
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM009332.D

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Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

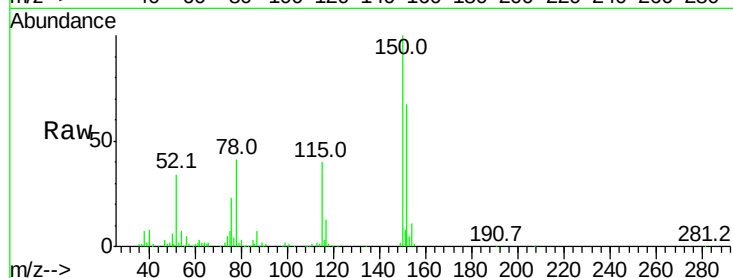
Tot Ion:152 Resp: 172614

Ion Ratio Lower Upper

152 100

150 149.2 119.5 179.3

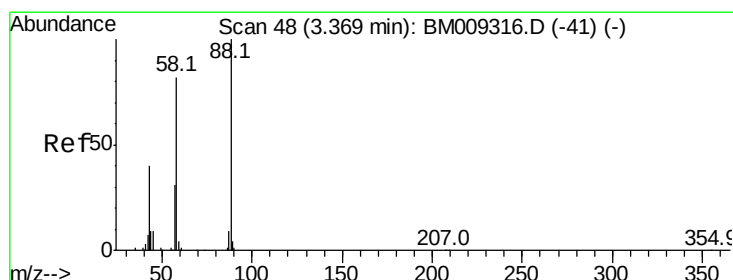
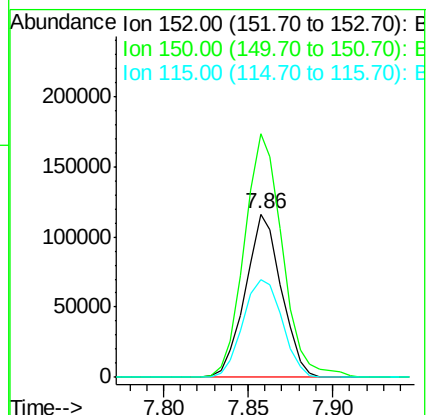
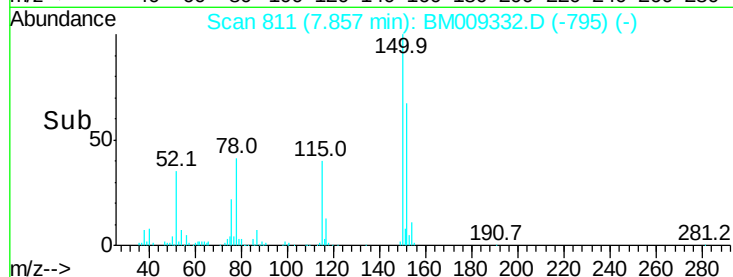
115 59.7 43.0 64.4



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: 4.61 ng

RT: 3.37 min Scan# 48

Delta R.T. 0.00 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

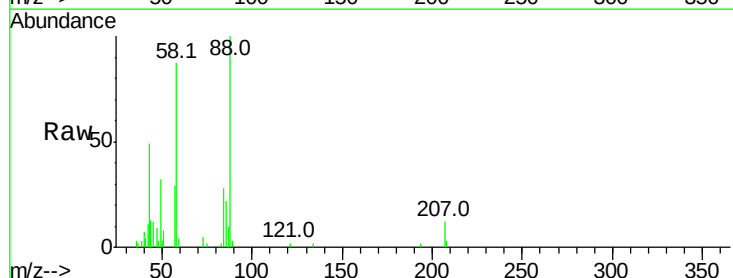
Tgt Ion: 88 Resp: 24023

Ion Ratio Lower Upper

88 100

58 91.5 0.0 0.0#

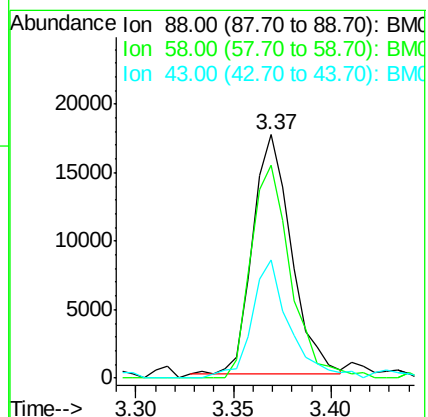
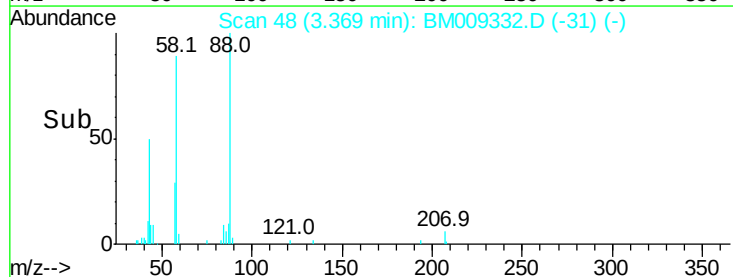
43 47.9 0.0 0.0#

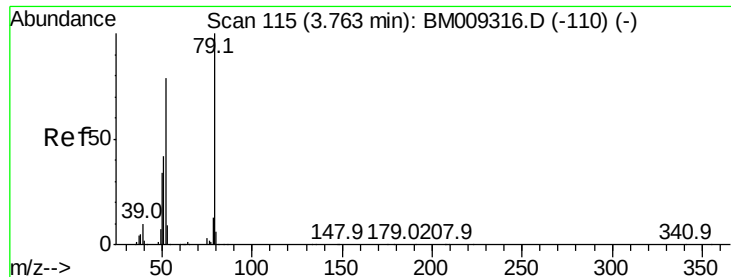


Abundance Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 4.94 ng

RT: 3.77 min Scan# 116

Delta R.T. 0.01 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

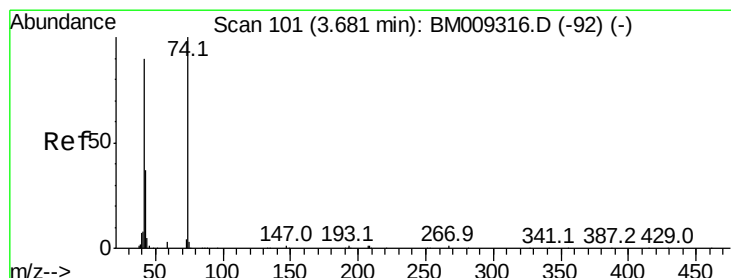
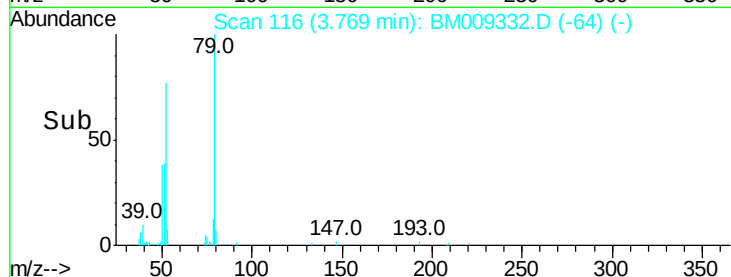
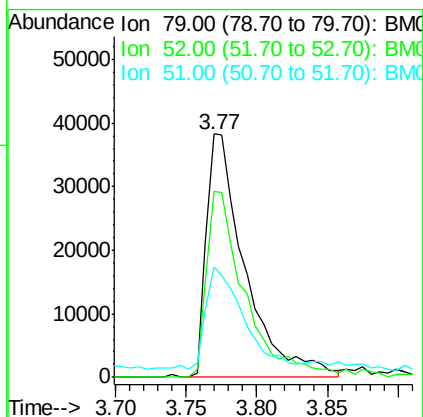
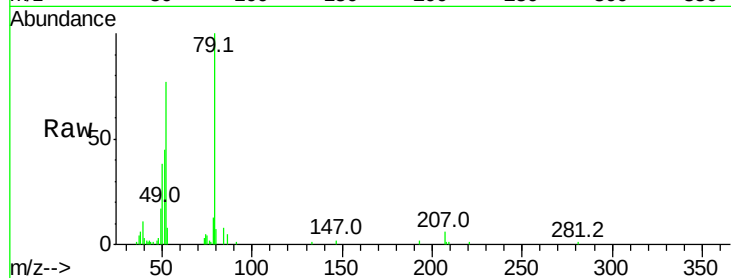
Tot Ion: 79 Resp: 72724

Ion Ratio Lower Upper

79 100

52 76.5 51.1 76.7

51 45.5 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 4.89 ng

RT: 3.68 min Scan# 101

Delta R.T. 0.00 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

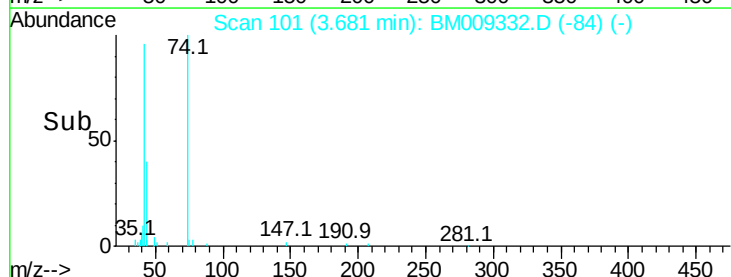
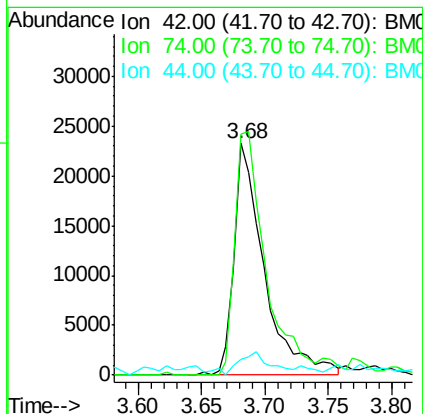
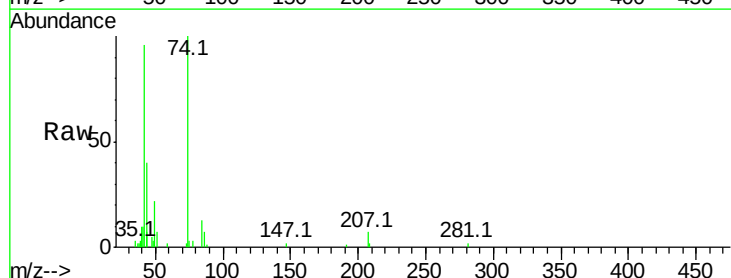
Tgt Ion: 42 Resp: 38331

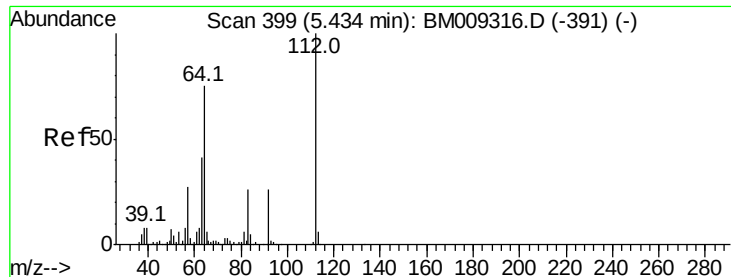
Ion Ratio Lower Upper

42 100

74 103.7 119.3 178.9#

44 6.8 5.4 8.2





#5

2-Fluorophenol

Concen: 139.62 ng

RT: 5.43 min Scan# 399

Delta R.T. 0.00 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

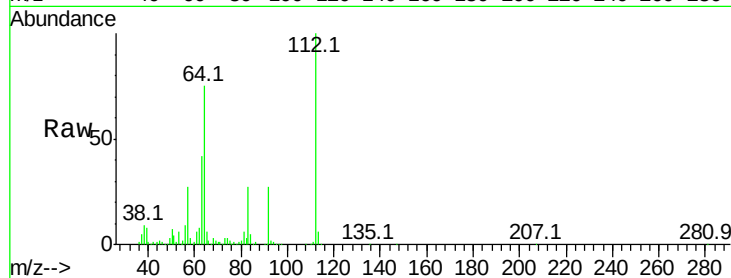
Tot Ion:112 Resp: 1445825

Ion Ratio Lower Upper

112 100

64 75.2 38.6 57.8#

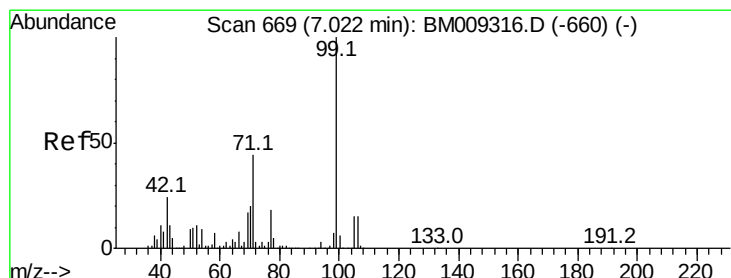
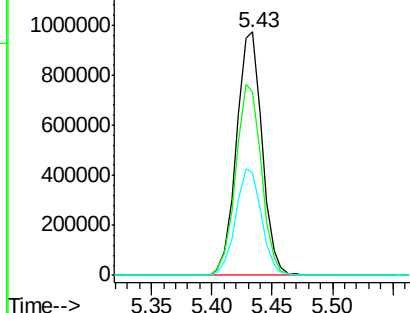
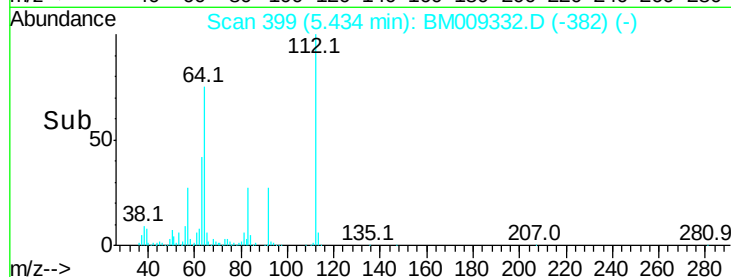
63 42.5 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#7

Phenol-d6

Concen: 139.76 ng

RT: 7.02 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

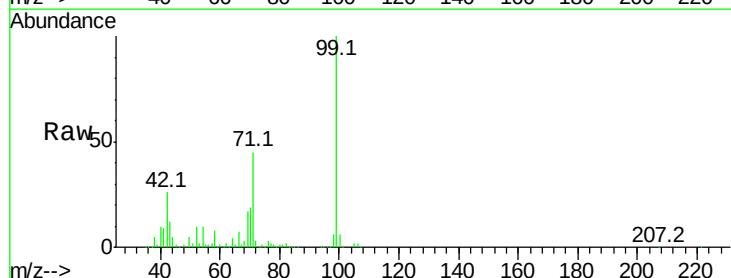
Tgt Ion: 99 Resp: 1973624

Ion Ratio Lower Upper

99 100

42 26.2 11.0 16.4#

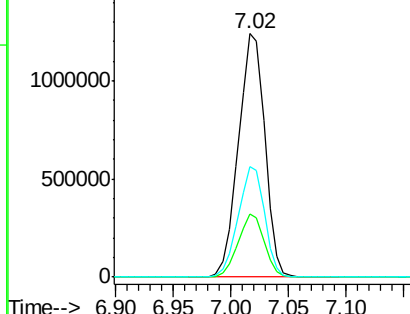
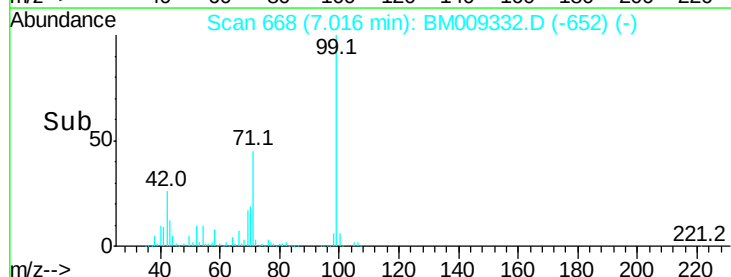
71 45.5 23.4 35.2#

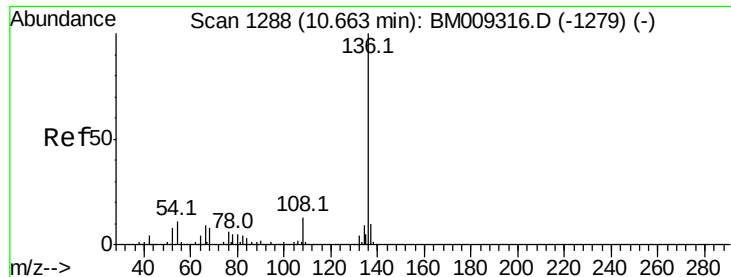


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0

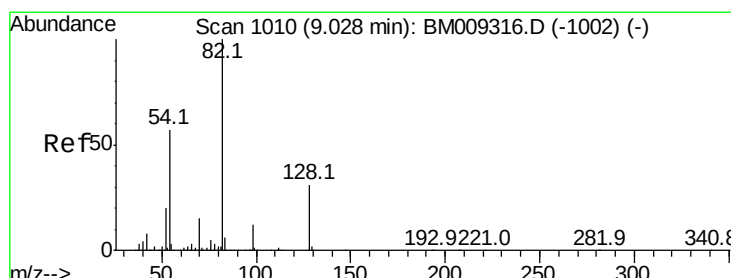
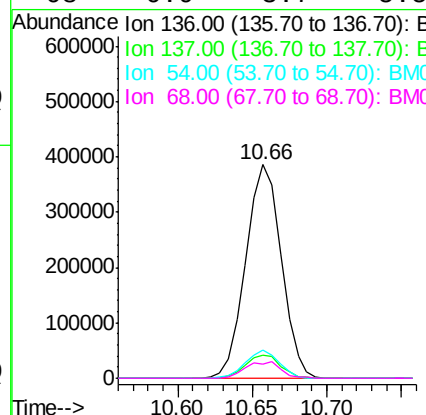
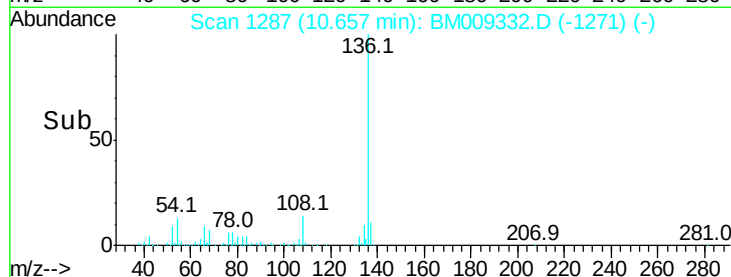
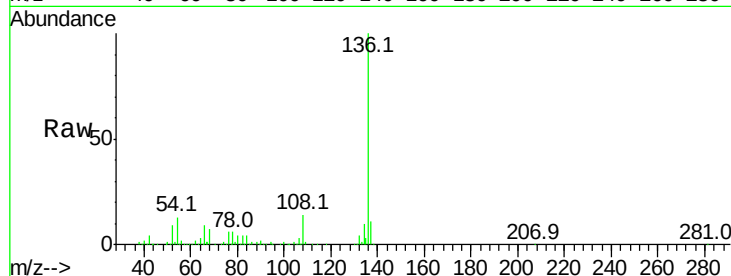




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BM009332.D
Acq: 22 Mar 2017 23:34

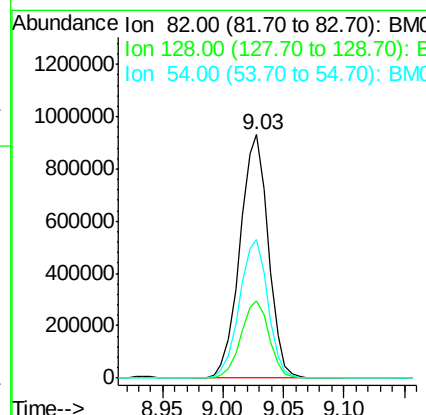
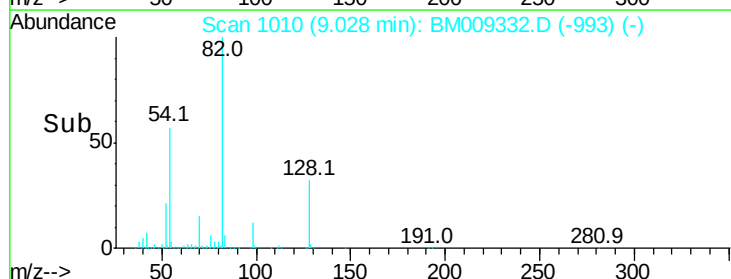
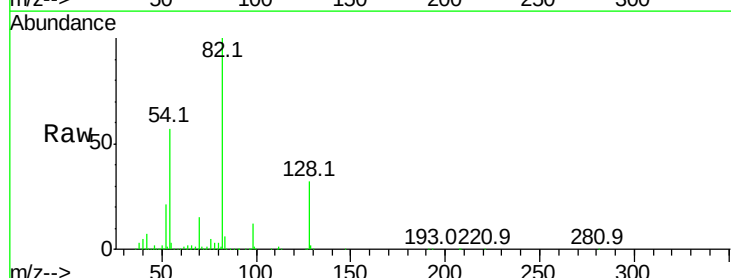
Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT2-2017

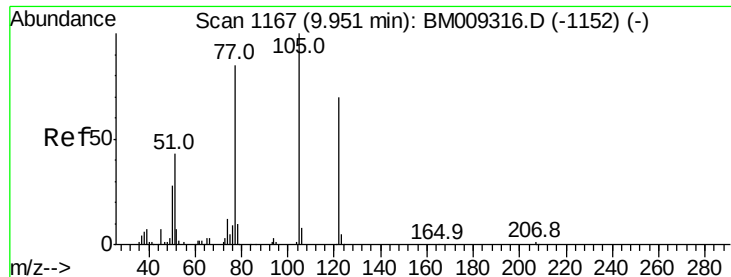
Tot Ion:	136	Resp:	636098
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	13.0	4.6	6.8#
68	6.9	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 90.07 ng
RT: 9.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: BM009332.D
Acq: 22 Mar 2017 23:34

Tgt Ion:	82	Resp:	1528132
Ion	Ratio	Lower	Upper
82	100		
128	31.7	32.8	49.2#
54	57.1	40.6	60.8





#32

Benzoic acid

Concen: 2.11 ng

RT: 9.87 min Scan# 1154

Delta R.T. -0.08 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

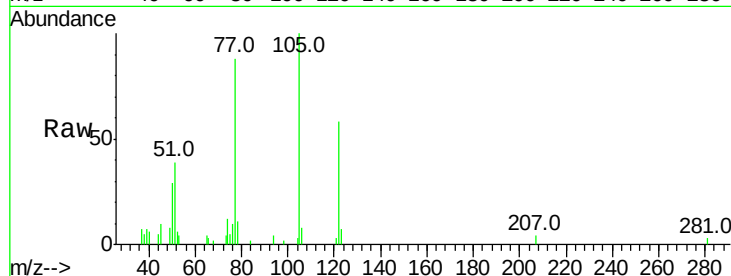
Tot Ion:122 Resp: 13183

Ion Ratio Lower Upper

122 100

105 173.7 99.9 139.9#

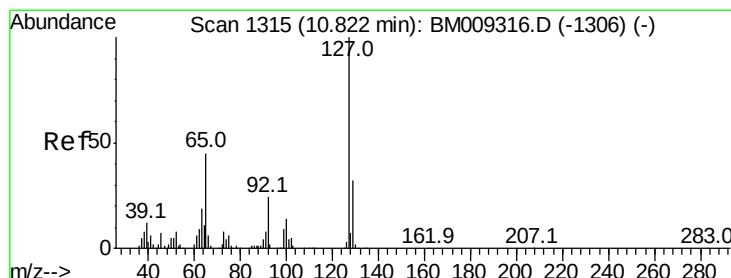
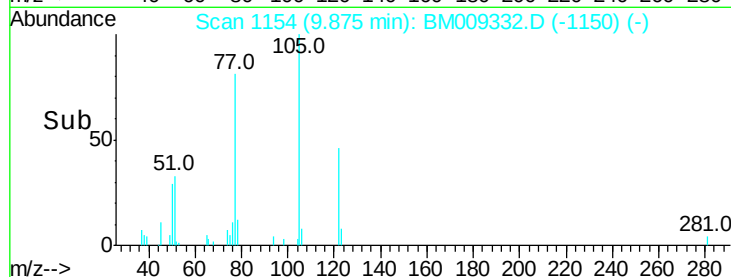
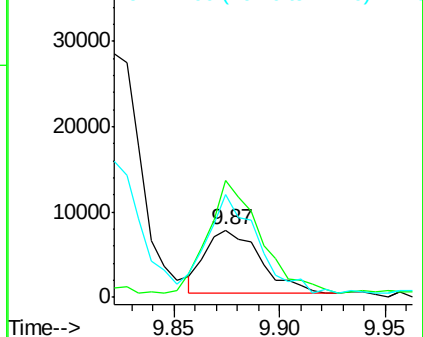
77 153.2 73.7 113.7#



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): BM0



#33

4-Chloroaniline

Concen: 4.84 ng

RT: 10.82 min Scan# 1315

Delta R.T. 0.00 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

Tgt Ion:127 Resp: 63091

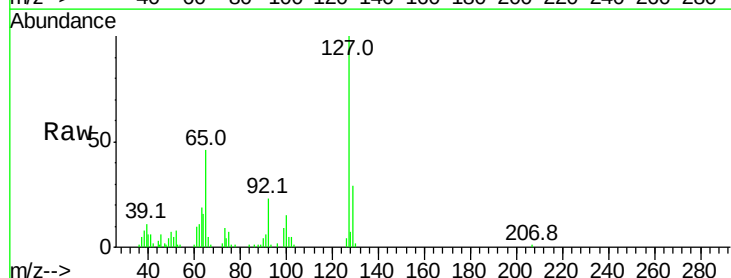
Ion Ratio Lower Upper

127 100

129 28.7 25.3 37.9

65 45.7 17.6 26.4#

92 23.2 13.1 19.7#

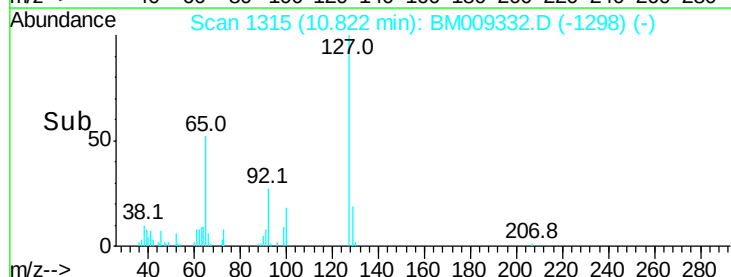
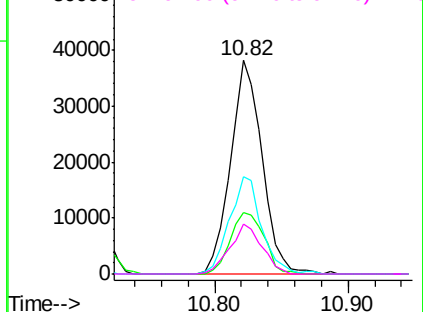


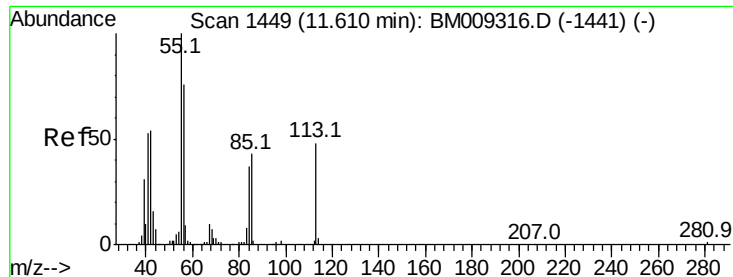
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0





#35

Caprolactam

Concen: 4.10 ng

RT: 11.59 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

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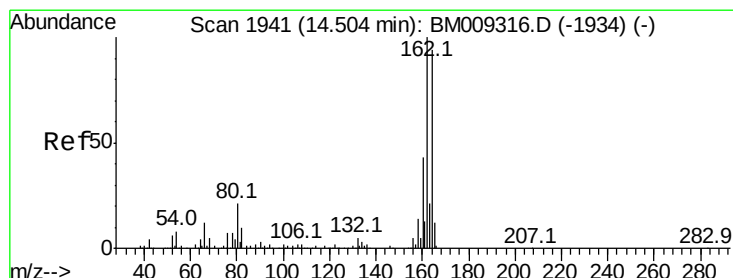
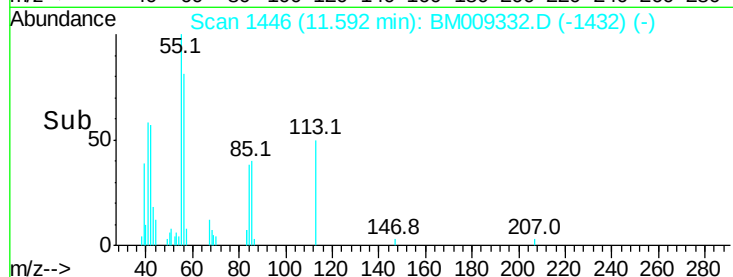
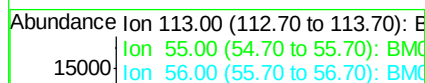
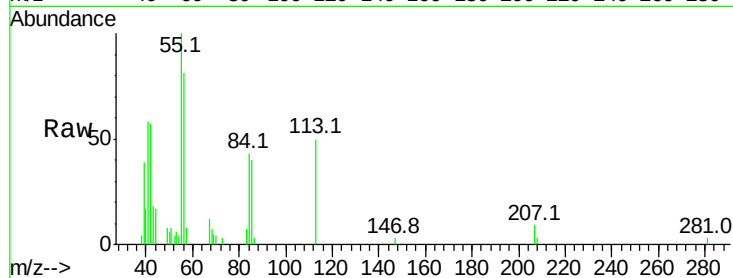
Tot Ion:113 Resp: 12011

Ion Ratio Lower Upper

113 100

55 201.7 145.9 185.9#

56 163.0 101.0 141.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.50 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

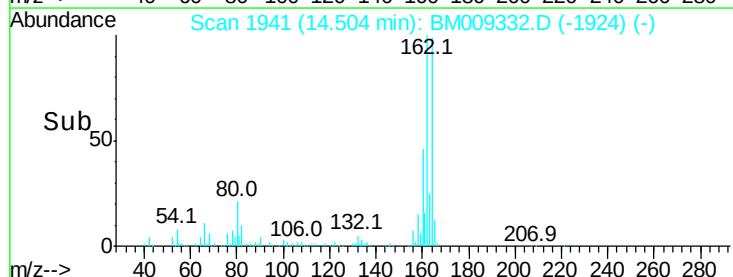
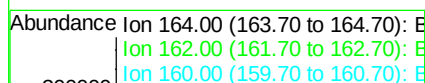
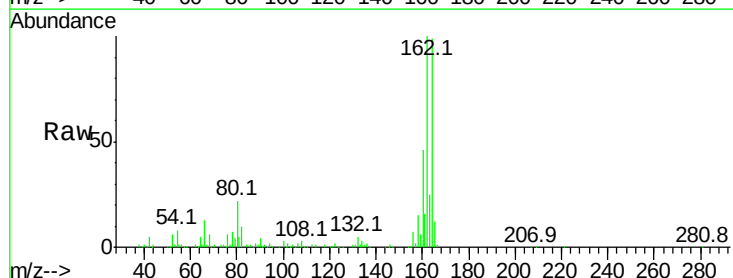
Tgt Ion:164 Resp: 362382

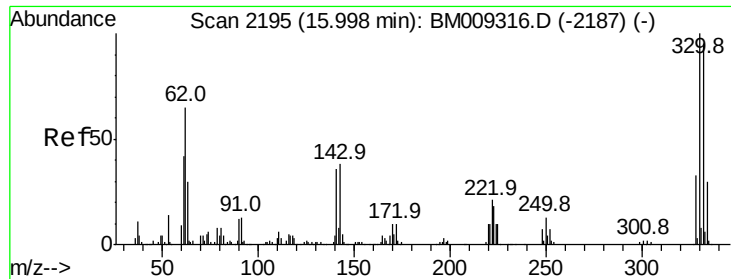
Ion Ratio Lower Upper

164 100

162 101.4 82.4 123.6

160 47.0 35.8 53.6

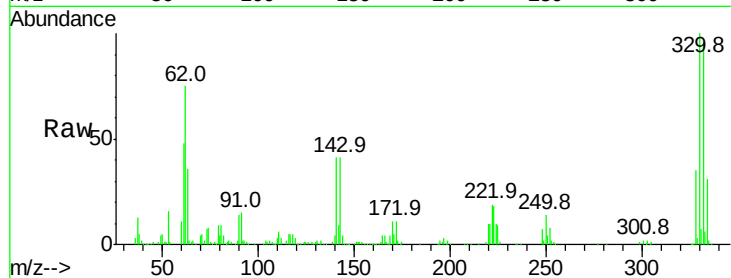




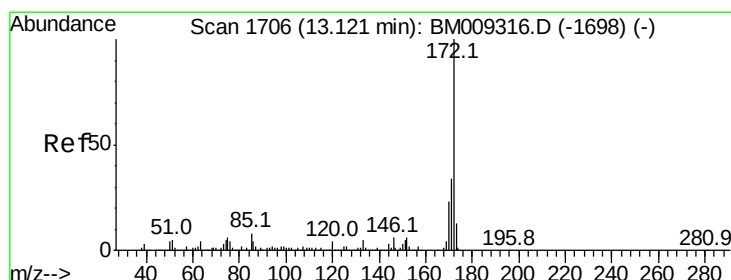
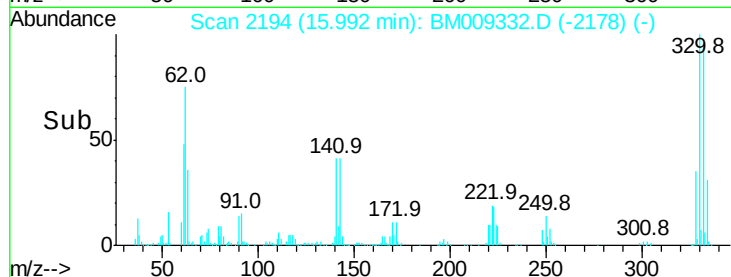
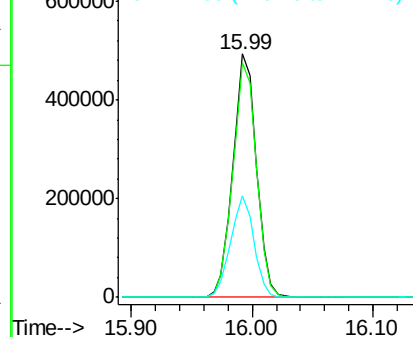
#41
 2,4,6-Tribromophenol
 Concen: 149.10 ng
 RT: 15.99 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: BM009332.D
 Acq: 22 Mar 2017 23:34

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

Tot Ion:330 Resp: 671244
 Ion Ratio Lower Upper
 330 100
 332 96.6 0.0 0.0#
 141 41.0 0.0 0.0#

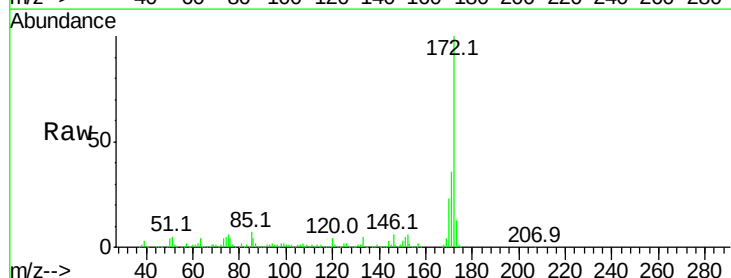


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

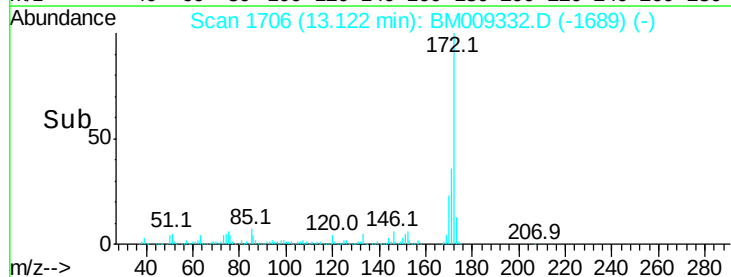
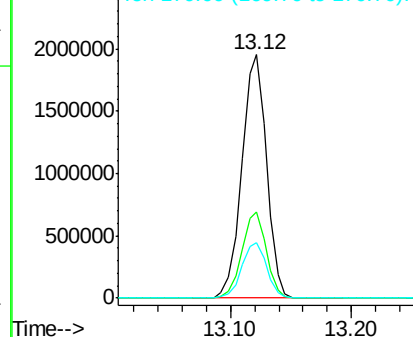


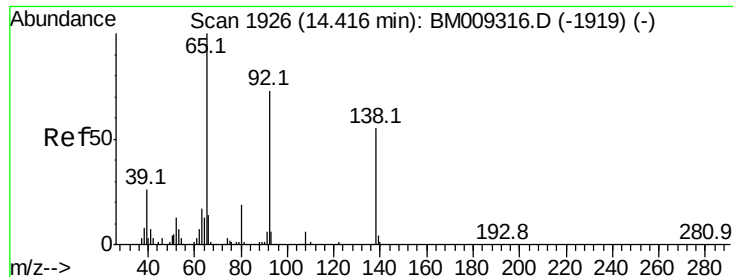
#44
 2-Fluorobiphenyl
 Concen: 92.54 ng
 RT: 13.12 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: BM009332.D
 Acq: 22 Mar 2017 23:34

Tgt Ion:172 Resp: 2782964
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.5 42.7
 170 23.0 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: 4.28 ng

RT: 14.42 min Scan# 1926

Delta R.T. 0.00 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

Instrument :

BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

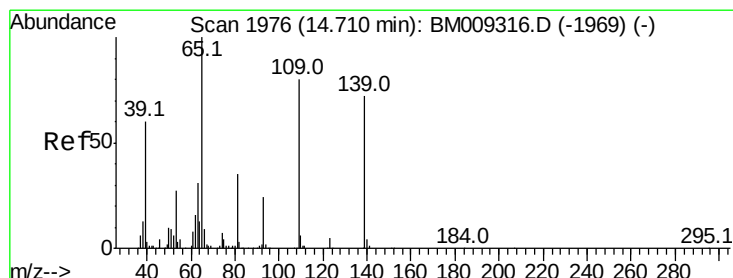
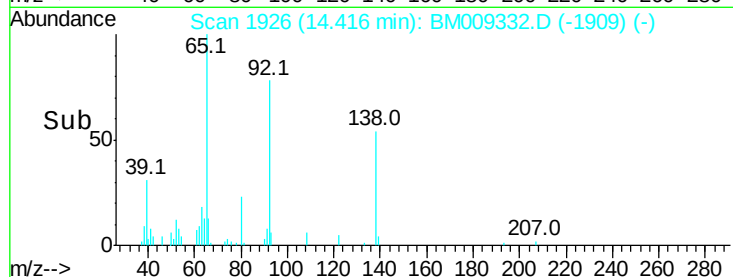
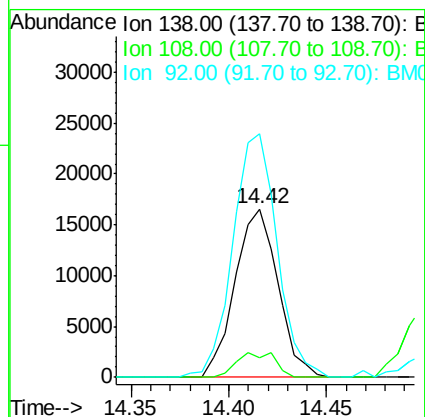
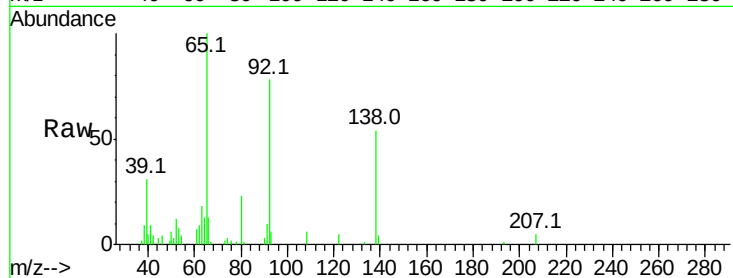
Tot Ion:138 Resp: 25308

Ion Ratio Lower Upper

138 100

108 11.6 7.3 10.9#

92 144.7 76.6 114.8#



#55

4-Nitrophenol

Concen: 3.95 ng

RT: 14.71 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

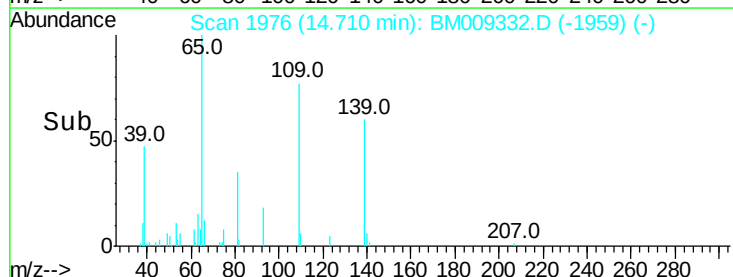
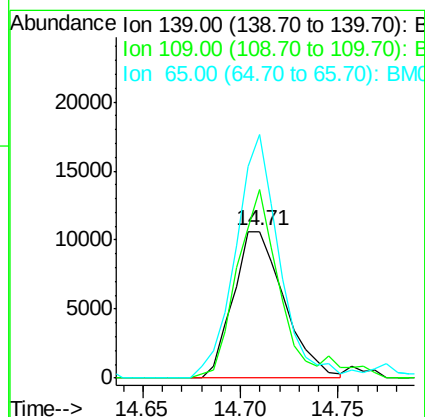
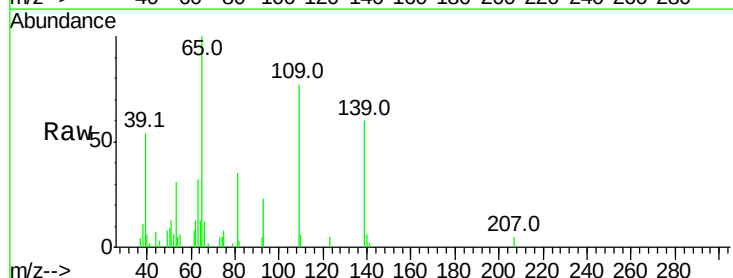
Tgt Ion:139 Resp: 19285

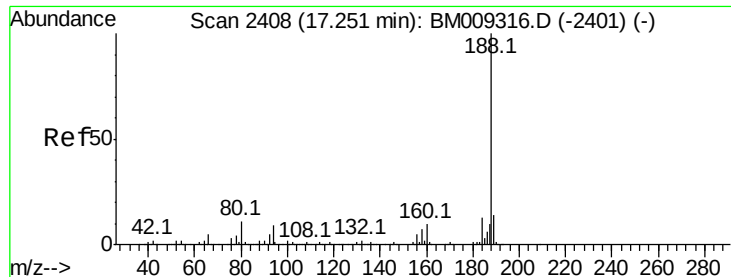
Ion Ratio Lower Upper

139 100

109 128.4 37.7 77.7#

65 165.8 49.9 89.9#

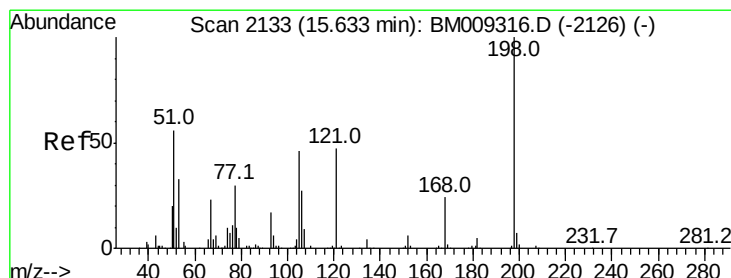
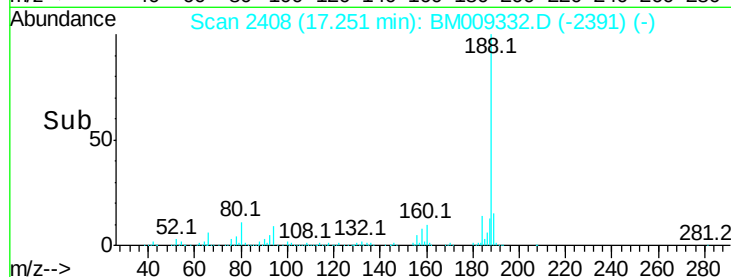
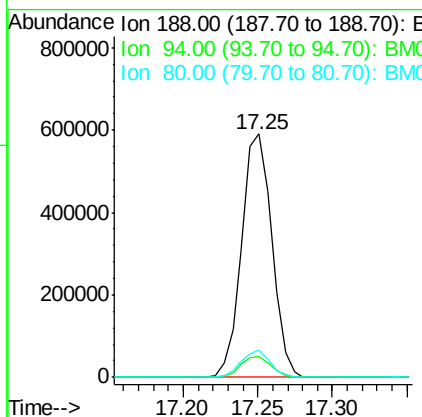
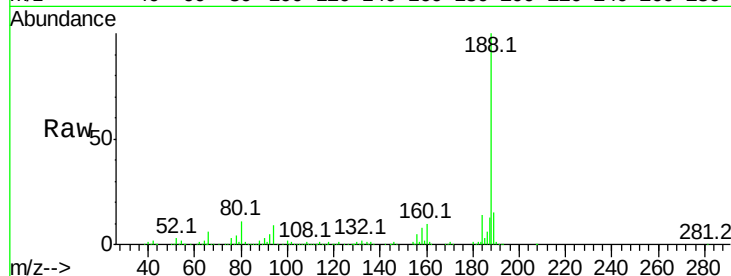




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.25 min Scan# 2408
Delta R.T. 0.00 min
Lab File: BM009332.D
Acq: 22 Mar 2017 23:34

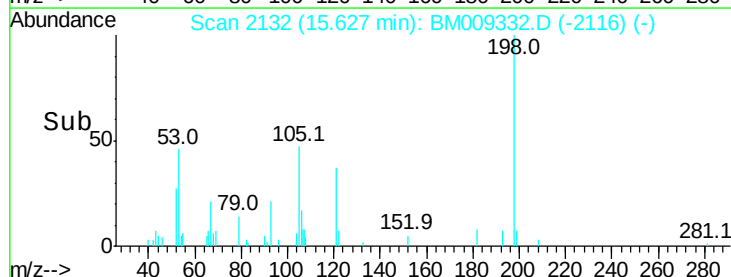
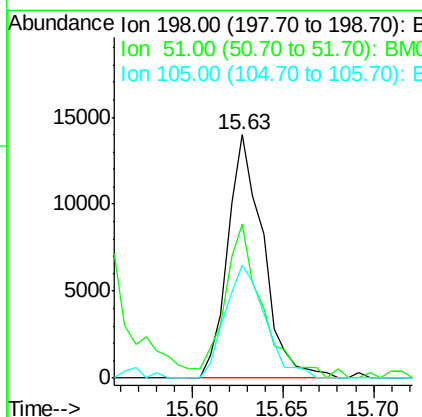
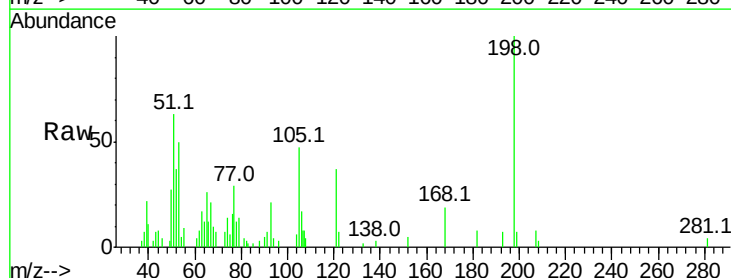
Instrument :
BNA_M
ClientSampleId :
LOD-WATER-05-QT2-2017

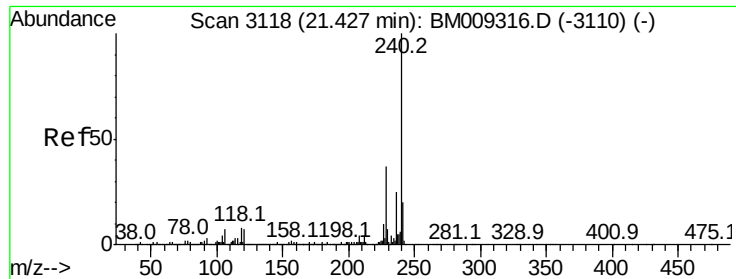
Tot Ion:188 Resp: 828100
Ion Ratio Lower Upper
188 100
94 8.7 8.7 13.1#
80 11.3 9.3 13.9



#64
4,6-Dinitro-2-methylphenol
Concen: 3.65 ng
RT: 15.63 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BM009332.D
Acq: 22 Mar 2017 23:34

Tgt Ion:198 Resp: 19062
Ion Ratio Lower Upper
198 100
51 63.5 28.8 68.8
105 46.6 30.5 70.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.42 min Scan# 3117

Delta R.T. -0.01 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

Instrument :

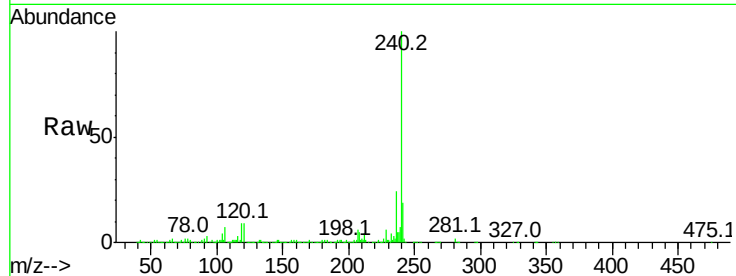
BNA_M

ClientSampleId :

LOD-WATER-05-QT2-2017

Tot Ion:240 Resp: 1086511

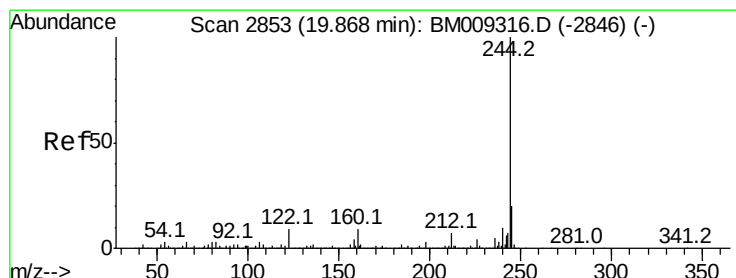
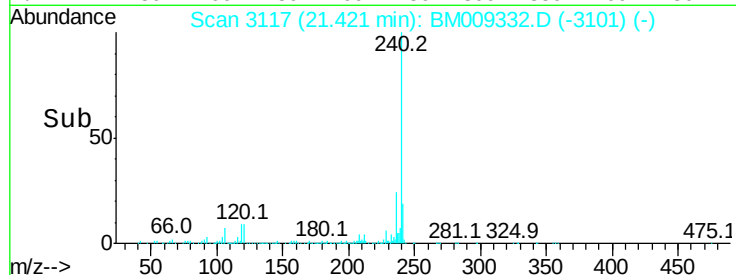
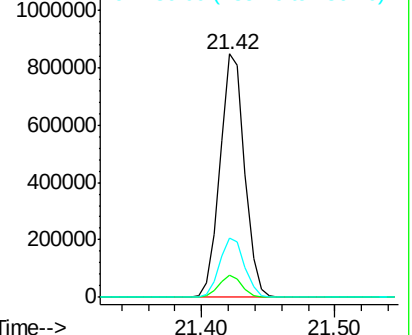
Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.2	12.2
236	24.4	20.0	30.0



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: 80.80 ng

RT: 19.87 min Scan# 2853

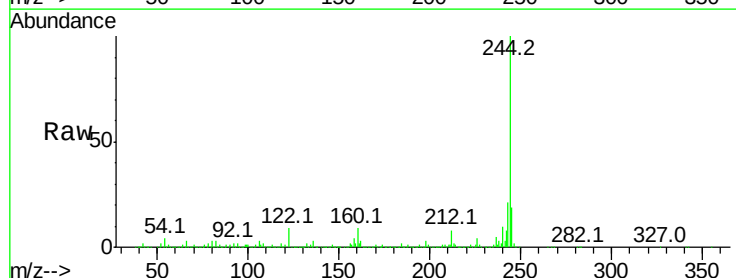
Delta R.T. 0.00 min

Lab File: BM009332.D

Acq: 22 Mar 2017 23:34

Tgt Ion:244 Resp: 4201221

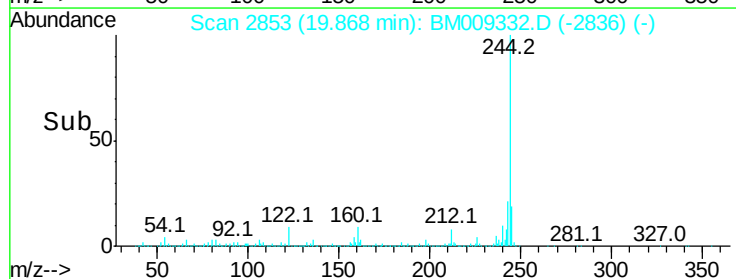
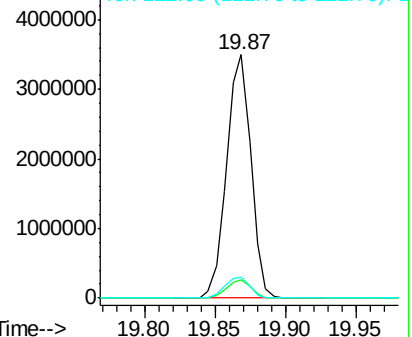
Ion	Ratio	Lower	Upper
244	100		
212	7.5	4.9	7.3#
122	8.6	6.2	9.4

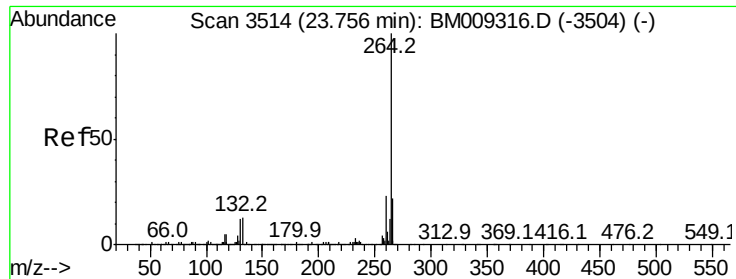


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



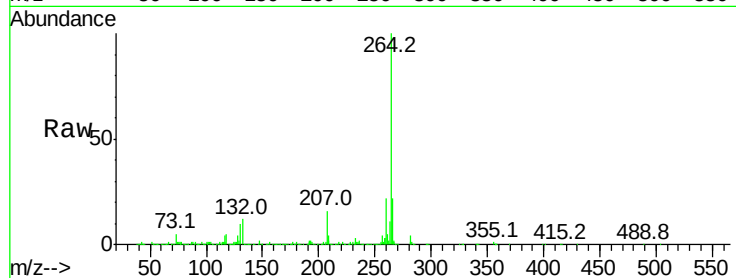


#86
Pervlene-d12
Concen: 20.00 ng
RT: 23.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BM009332.D
Acq: 22 Mar 2017 23:34

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

Tot Ion:264 Resp: 1022091

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.6	27.8
265	21.6	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

