

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
 Data File : BG029006.D
 Acq On : 3 Oct 2017 15:27
 Operator : SJ/JU
 Sample : I5275-05
 Misc : LOD 5 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT4-2017

Quant Time: Oct 05 01:20:09 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

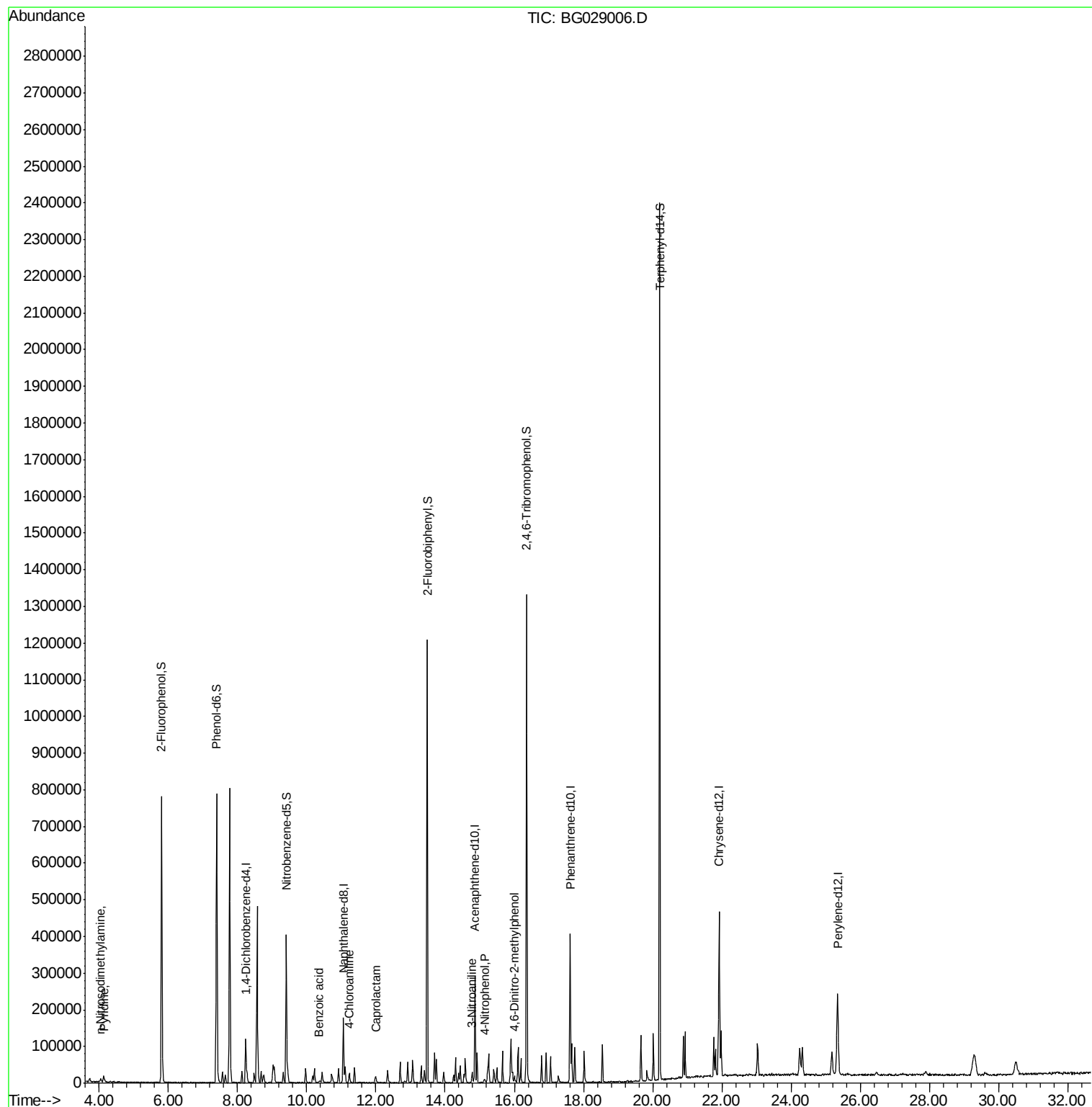
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	33838	20.00	ng	-0.09
21) Naphthalene-d8	11.06	136	140803	20.00	ng	-0.09
38) Acenaphthene-d10	14.87	164	102923	20.00	ng	-0.08
63) Phenanthrene-d10	17.62	188	259891	20.00	ng	-0.08
75) Chrysene-d12	21.92	240	285949	20.00	ng	-0.11
86) Perylene-d12	25.34	264	276756	20.00	ng	-0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	345571	168.51	ng	-0.10
7) Phenol-d6	7.40	99	463806	150.21	ng	-0.09
23) Nitrobenzene-d5	9.41	82	252672	85.84	ng	-0.10
41) 2,4,6-Tribromophenol	16.36	330	287390	168.83	ng	-0.08
44) 2-Fluorobiphenyl	13.48	172	663222	85.92	ng	-0.08
78) Terphenyl-d14	20.20	244	1114421	83.11	ng	-0.08
Target Compounds						
3) Pyridine	4.13	79	11718	4.947	ng	86
4) n-Nitrosodimethylamine	4.04	42	6001	5.569	ng	# 71
32) Benzoic acid	10.36	122	1221	6.678	ng	# 49
33) 4-Chloroaniline	11.23	127	15487	5.027	ng	# 83
35) Caprolactam	11.99	113	4318	4.773	ng	# 81
52) 3-Nitroaniline	14.78	138	8737	5.145	ng	# 84
55) 4-Nitrophenol	15.14	139	3356	2.697	ng	# 90
64) 4,6-Dinitro-2-methylphenol	16.01	198	5323	3.174	ng	87

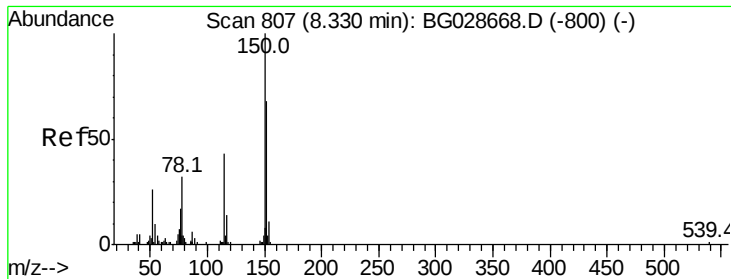
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LOD-WATER-05-QT4-2017

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
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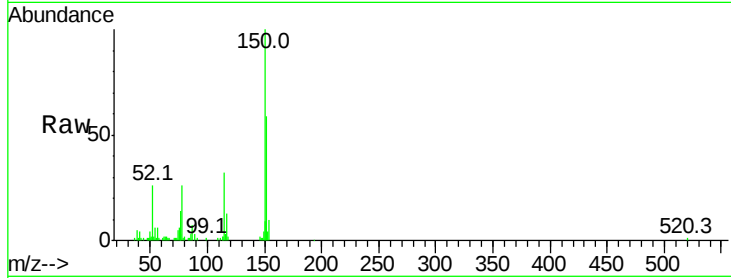


#1

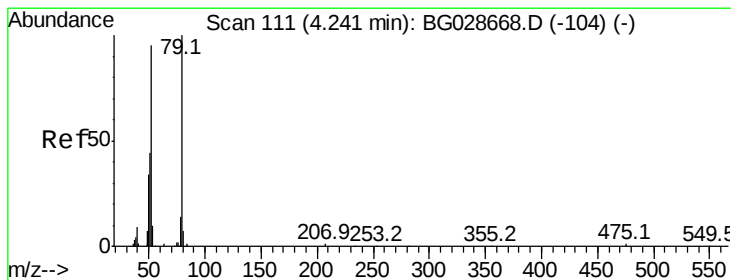
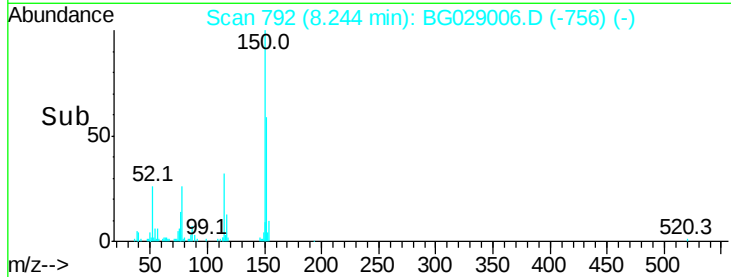
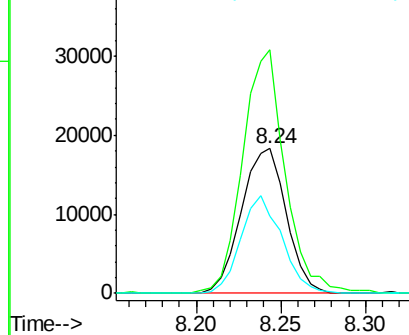
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.24 min Scan# 792
Delta R.T. -0.09 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT4-2017

Tot Ion:152 Resp: 33838
Ion Ratio Lower Upper
152 100
150 168.1 114.0 171.0
115 53.7 48.1 72.1



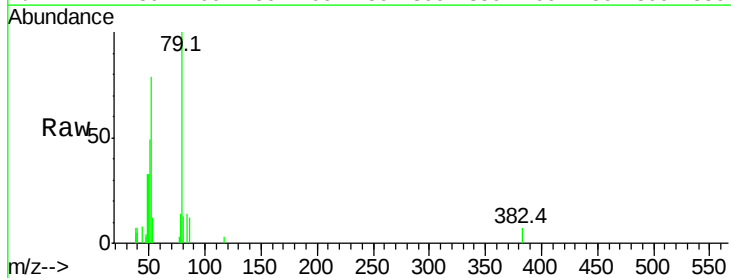
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



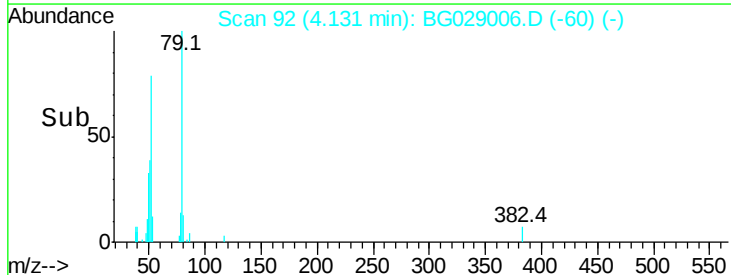
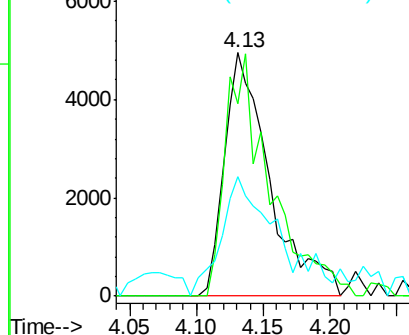
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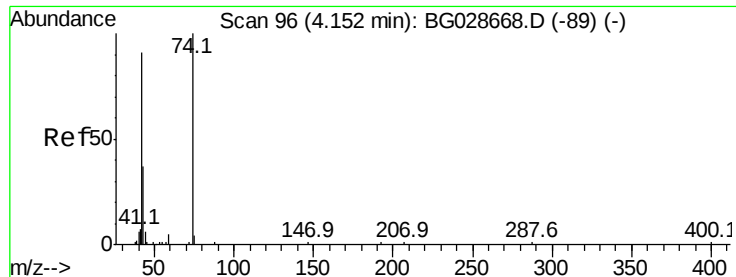
Pyridine
Concen: 4.947 ng
RT: 4.13 min Scan# 92
Delta R.T. -0.11 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

Tgt Ion: 79 Resp: 11718
Ion Ratio Lower Upper
79 100
52 79.1 77.8 116.6
51 48.9 43.2 64.8



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



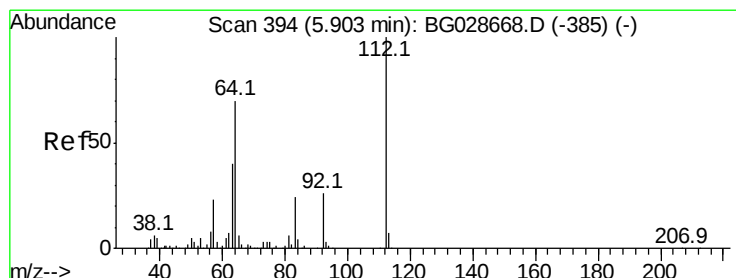
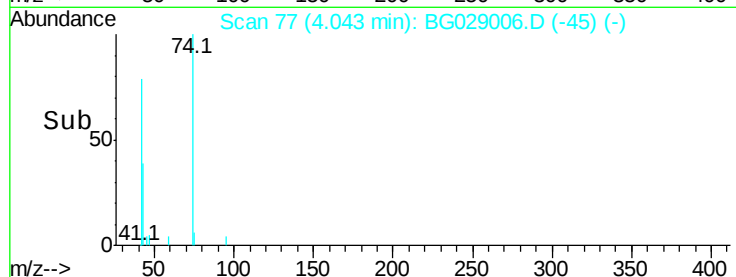
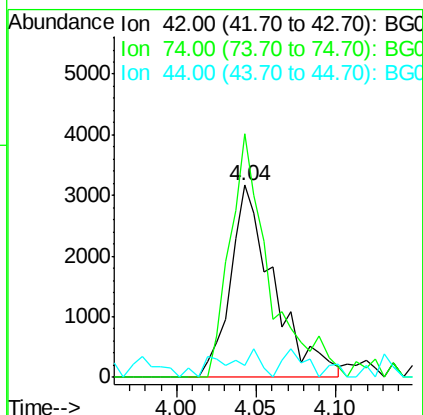
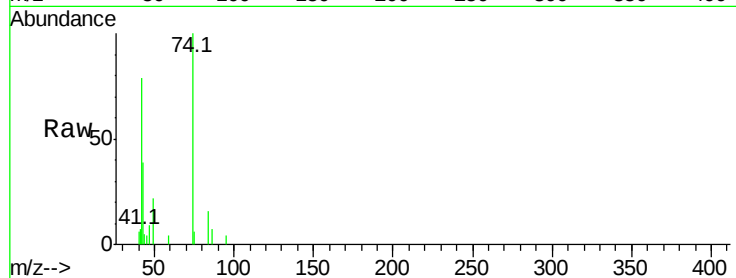


#4

n-Nitrosodimethylamine
 Concen: 5.569 ng
 RT: 4.04 min Scan# 77
 Delta R.T. -0.11 min
 Lab File: BG029006.D
 Acq: 3 Oct 2017 15:27

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT4-2017

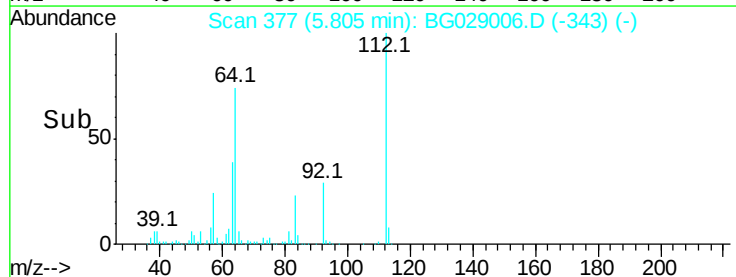
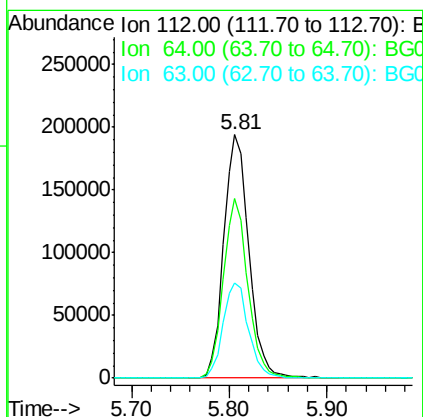
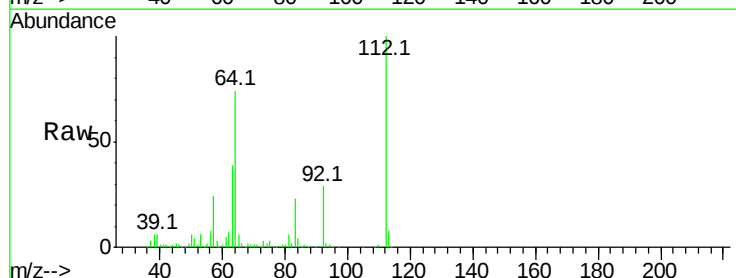
Tot Ion: 42 Resp: 6001
 Ion Ratio Lower Upper
 42 100
 74 126.6 76.7 115.1#
 44 6.1 6.1 9.1

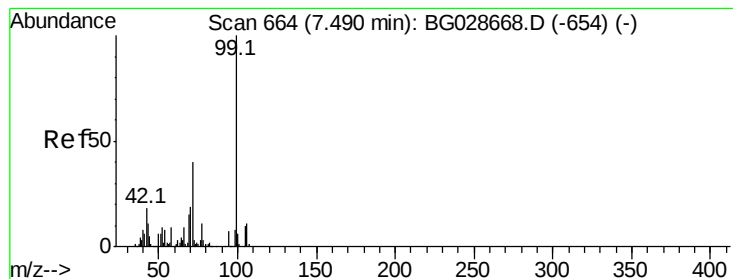


#5

2-Fluorophenol
 Concen: 168.511 ng
 RT: 5.81 min Scan# 377
 Delta R.T. -0.10 min
 Lab File: BG029006.D
 Acq: 3 Oct 2017 15:27

Tgt Ion: 112 Resp: 345571
 Ion Ratio Lower Upper
 112 100
 64 73.9 61.8 92.6
 63 39.3 37.2 55.8





#7

Phenol-d6

Concen: 150.215 ng

RT: 7.40 min Scan# 648

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT4-2017

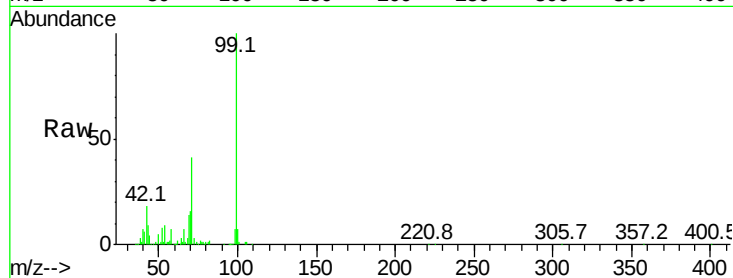
Tot Ion: 99 Resp: 463806

Ion Ratio Lower Upper

99 100

42 18.4 20.5 30.7#

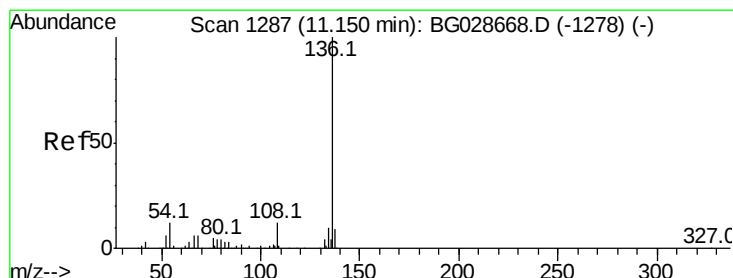
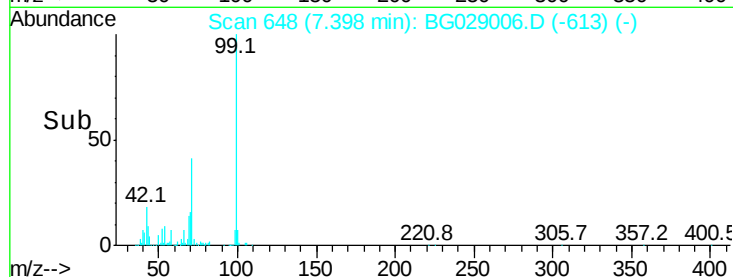
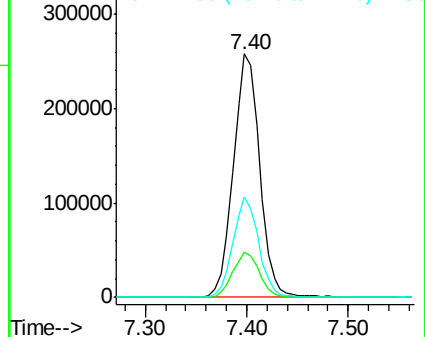
71 41.2 37.6 56.4



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.06 min Scan# 1271

Delta R.T. -0.09 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Tgt Ion: 136 Resp: 140803

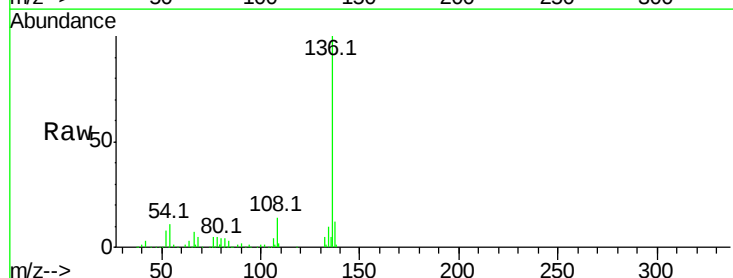
Ion Ratio Lower Upper

136 100

137 12.0 8.9 13.3

54 11.2 9.3 13.9

68 5.1 5.1 7.7#

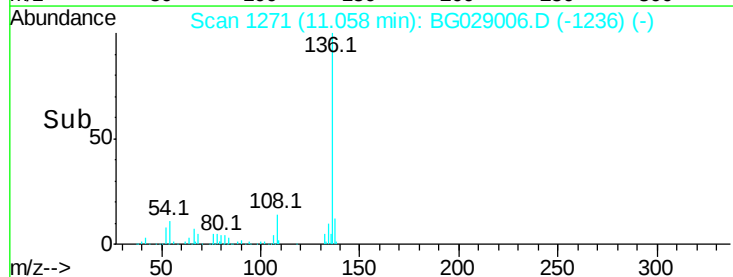
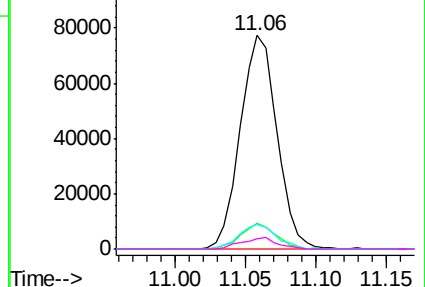


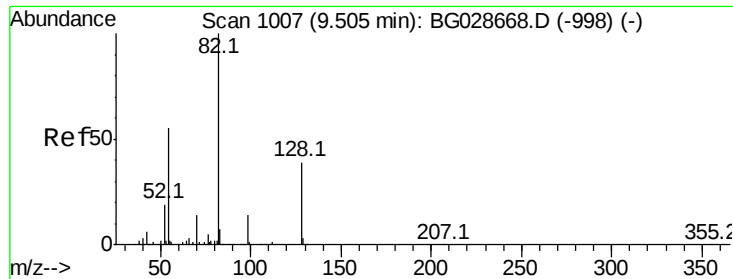
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

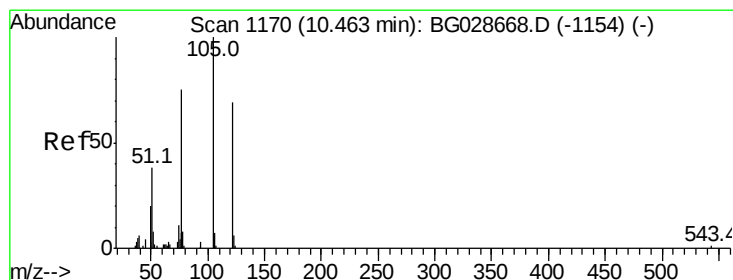
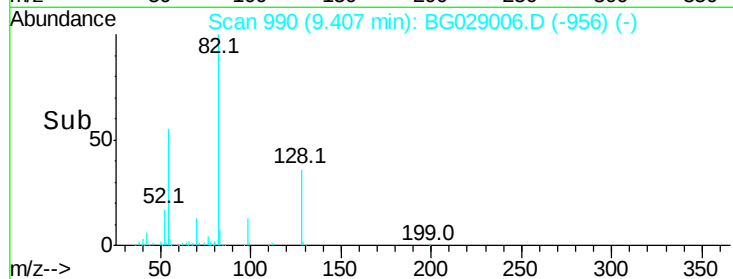
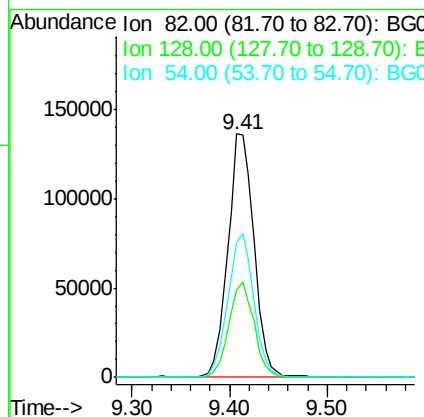
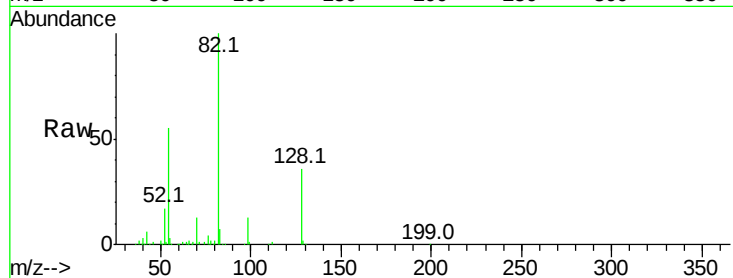




#23
Nitrobenzene-d5
Concen: 85.845 ng
RT: 9.41 min Scan# 990
Delta R.T. -0.10 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

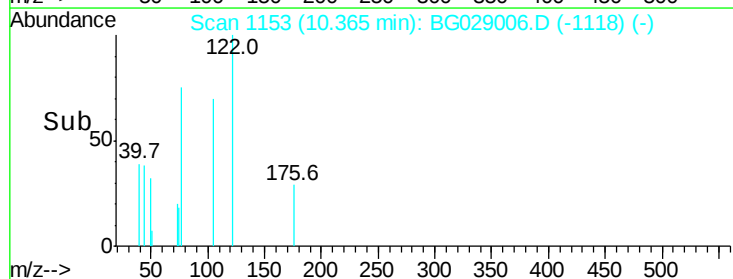
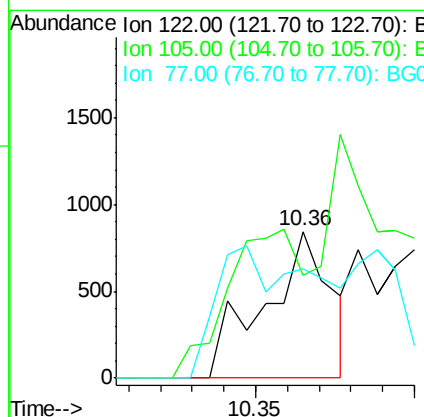
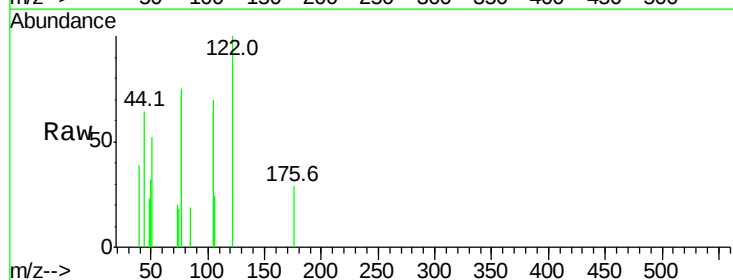
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT4-2017

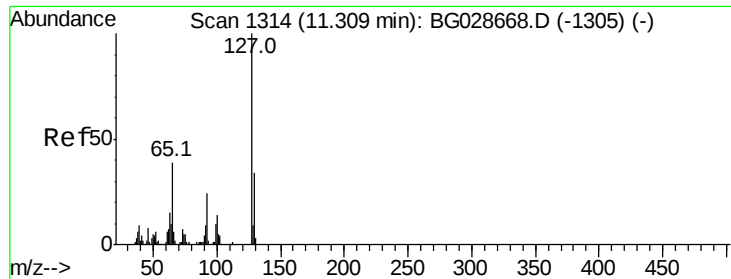
Tot Ion: 82 Resp: 252672
Ion Ratio Lower Upper
82 100
128 35.8 26.4 39.6
54 55.2 49.4 74.2



#32
Benzoic acid
Concen: 6.678 ng
RT: 10.36 min Scan# 1153
Delta R.T. -0.10 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

Tgt Ion: 122 Resp: 1221
Ion Ratio Lower Upper
122 100
105 69.9 120.1 160.1#
77 74.6 104.6 144.6#

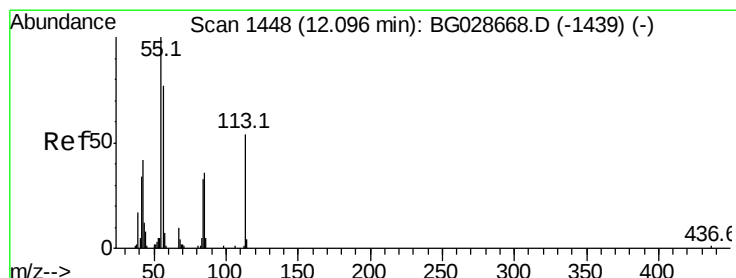
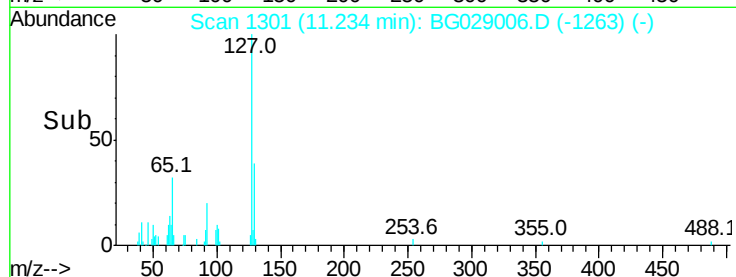
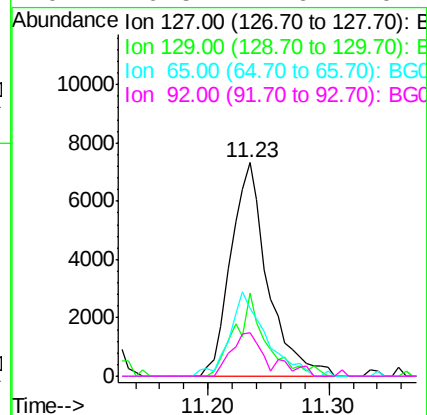
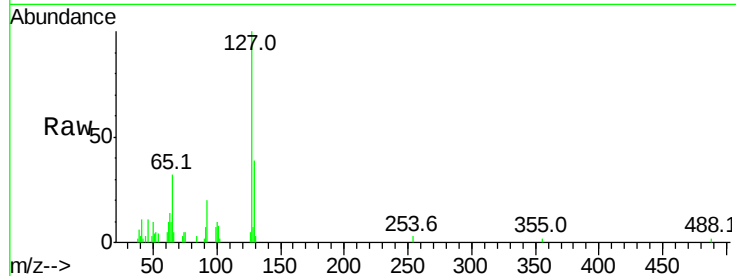




#33
4-Chloroaniline
Concen: 5.027 ng
RT: 11.23 min Scan# 1301
Delta R.T. -0.07 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

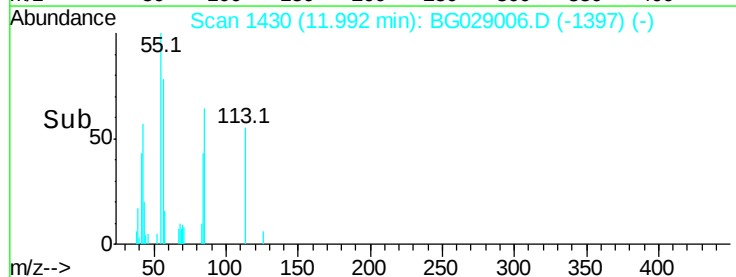
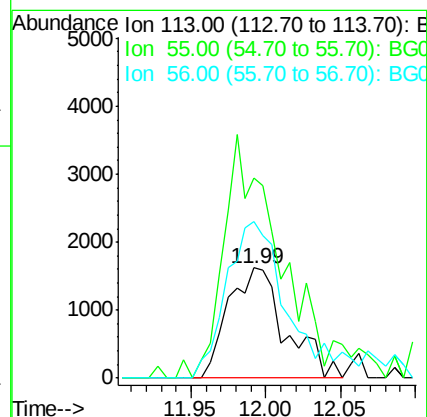
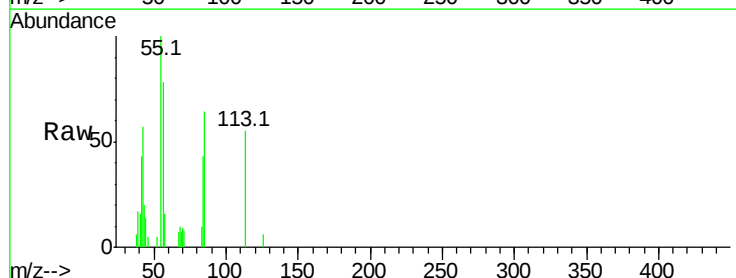
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT4-2017

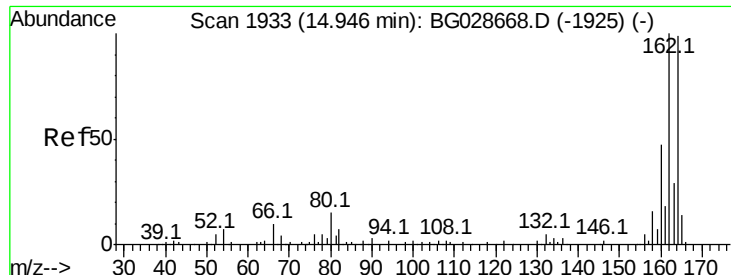
Tot Ion:127	Resp:	15487
Ion Ratio	Lower	Upper
127	100	
129	39.0	23.6 35.4#
65	31.6	37.7 56.5#
92	20.5	17.6 26.4



#35
Caprolactam
Concen: 4.773 ng
RT: 11.99 min Scan# 1430
Delta R.T. -0.10 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

Tgt Ion:113	Resp:	4318
Ion Ratio	Lower	Upper
113	100	
55	181.8	198.6 238.6#
56	141.7	140.4 180.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.87 min Scan# 1919

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT4-2017

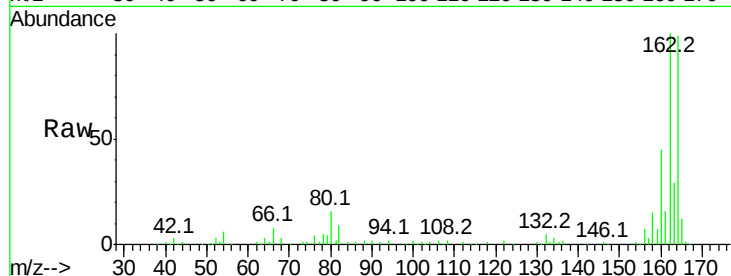
Tot Ion:164 Resp: 102923

Ion Ratio Lower Upper

164 100

162 101.3 85.1 127.7

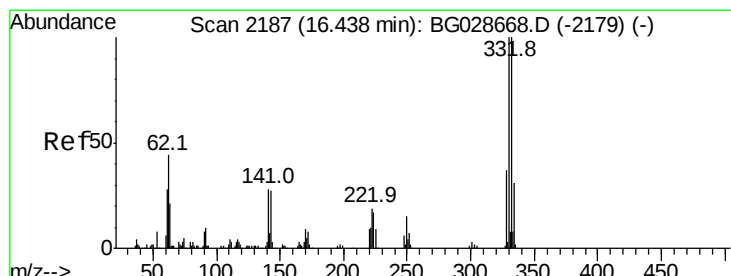
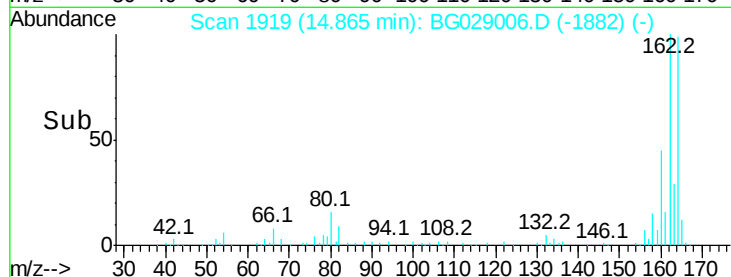
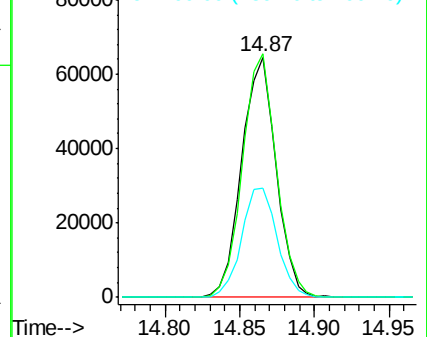
160 45.4 34.7 52.1



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: 168.826 ng

RT: 16.36 min Scan# 2173

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

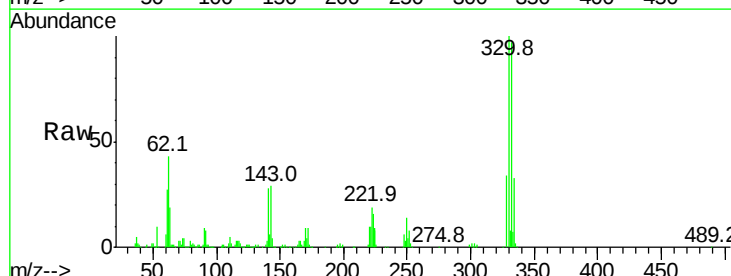
Tgt Ion:330 Resp: 287390

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

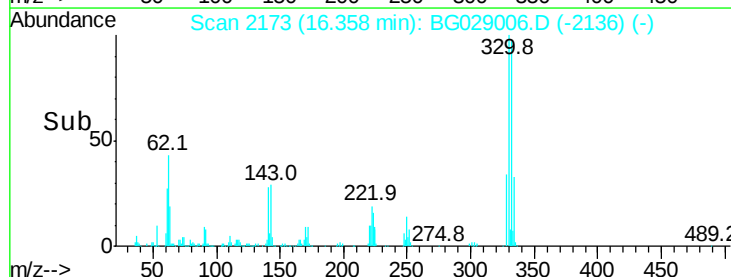
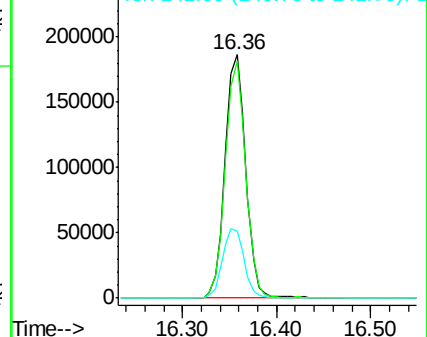
141 29.7 32.1 48.1#

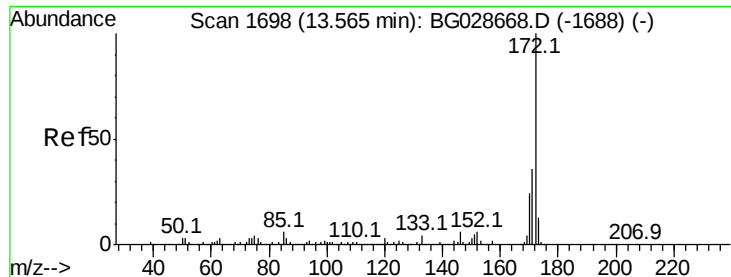


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

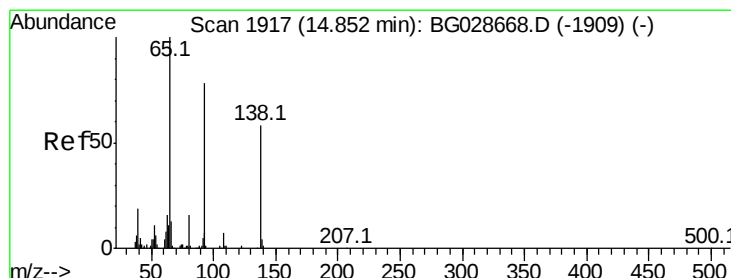
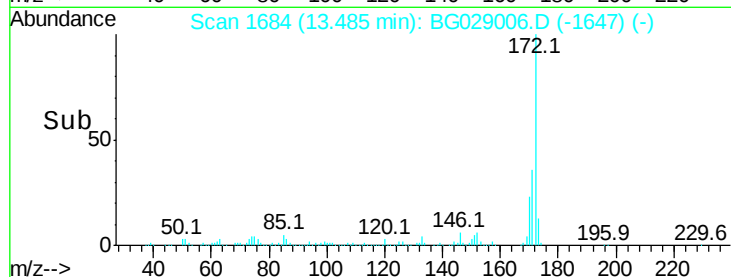
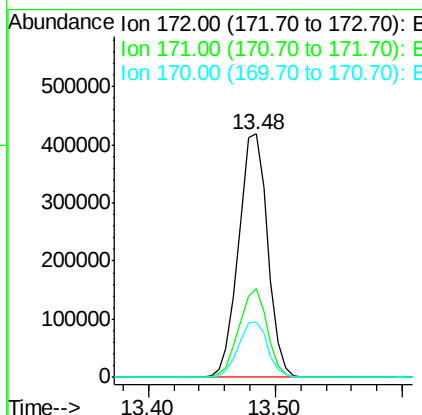
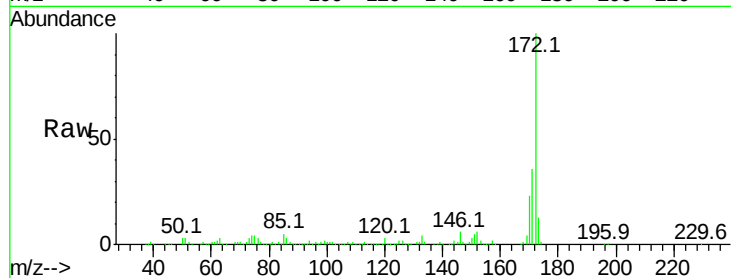




#44
2-Fluorobiphenyl
Concen: 85.924 ng
RT: 13.48 min Scan# 1684
Delta R.T. -0.08 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

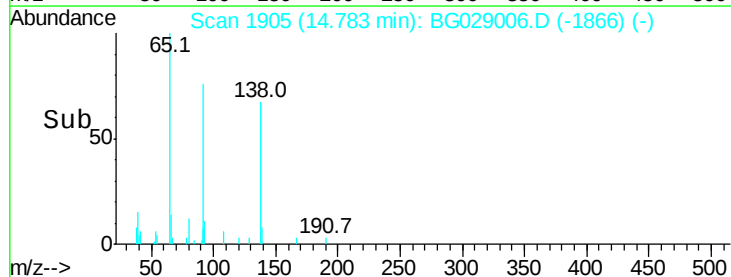
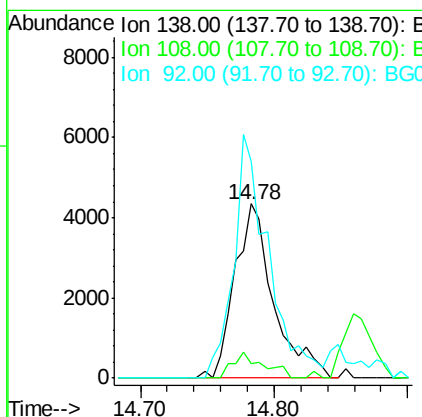
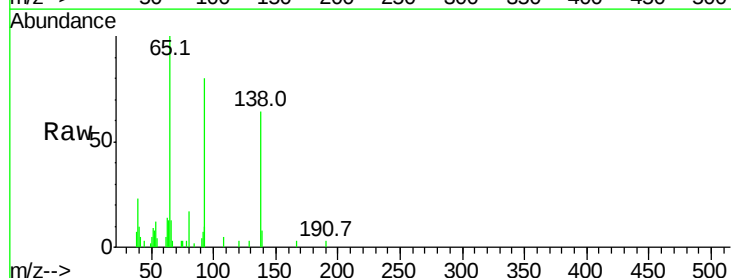
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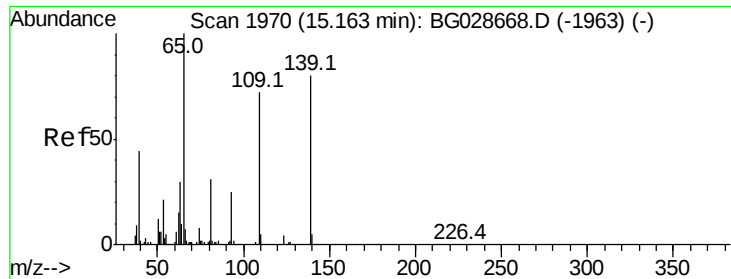
Tot Ion:172 Resp: 663222
Ion Ratio Lower Upper
172 100
171 36.4 32.2 48.2
170 22.8 21.8 32.6



#52
3-Nitroaniline
Concen: 5.145 ng
RT: 14.78 min Scan# 1905
Delta R.T. -0.07 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

Tgt Ion:138 Resp: 8737
Ion Ratio Lower Upper
138 100
108 8.2 10.9 16.3#
92 124.4 115.3 172.9

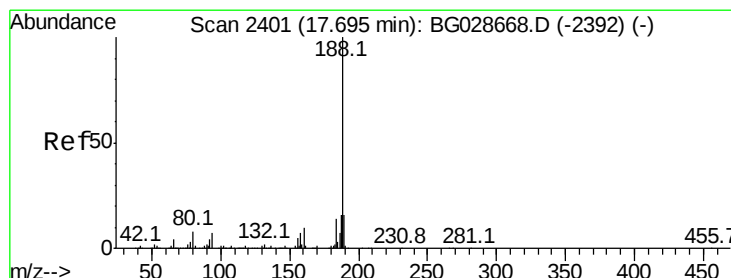
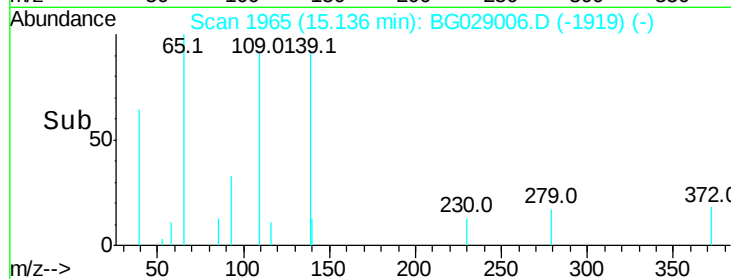
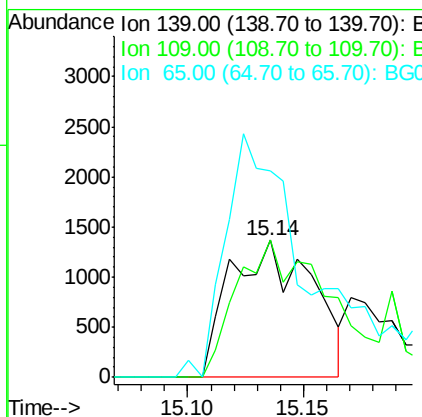
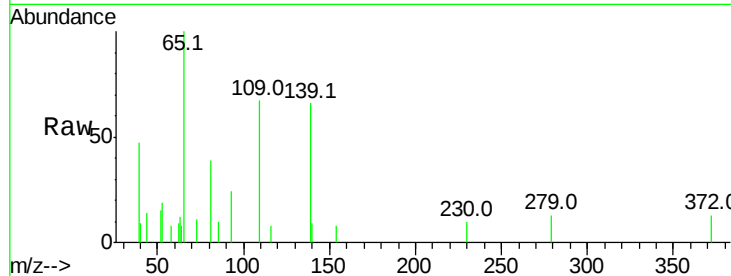




#55
4-Nitrophenol
Concen: 2.697 ng
RT: 15.14 min Scan# 1965
Delta R.T. -0.03 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

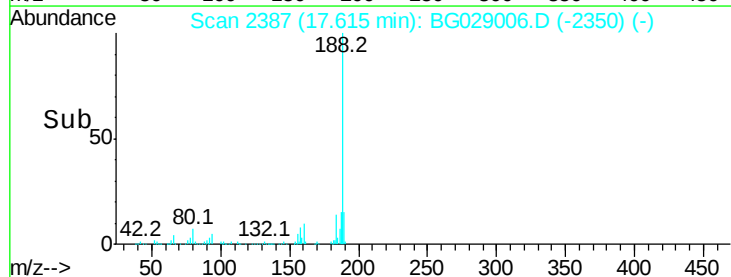
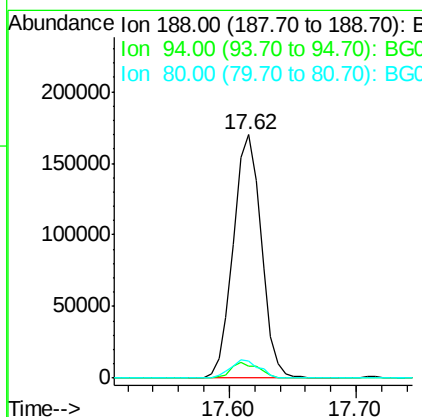
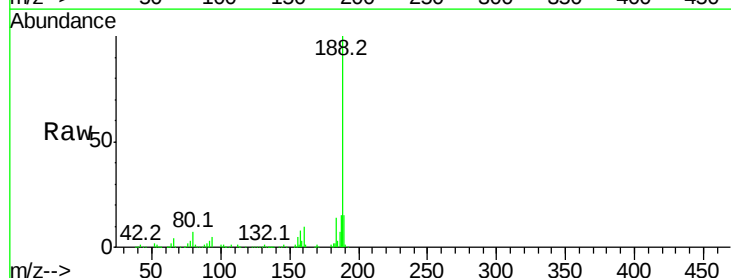
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT4-2017

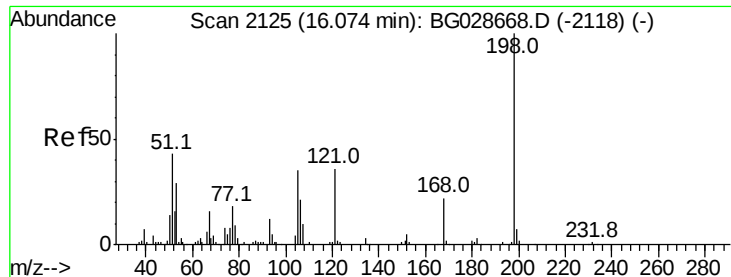
Tot Ion:139 Resp: 3356
Ion Ratio Lower Upper
139 100
109 100.6 101.2 141.2#
65 150.5 135.3 175.3



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.62 min Scan# 2387
Delta R.T. -0.08 min
Lab File: BG029006.D
Acq: 3 Oct 2017 15:27

Tgt Ion:188 Resp: 259891
Ion Ratio Lower Upper
188 100
94 4.9 5.8 8.8#
80 6.9 7.5 11.3#





#64

4,6-Dinitro-2-methylphenol

Concen: 3.174 ng

RT: 16.01 min Scan# 2113

Delta R.T. -0.07 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT4-2017

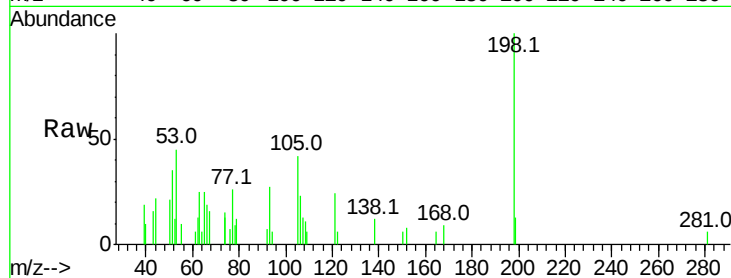
Tot Ion:198 Resp: 5323

Ion Ratio Lower Upper

198 100

51 34.6 22.6 62.6

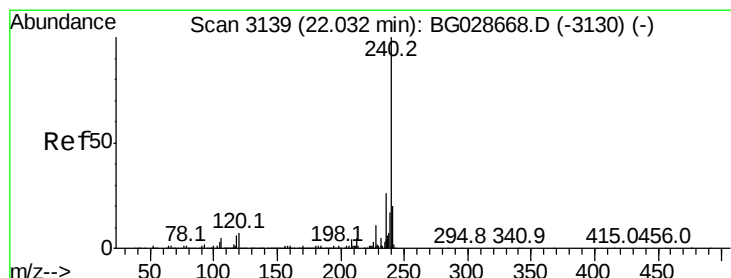
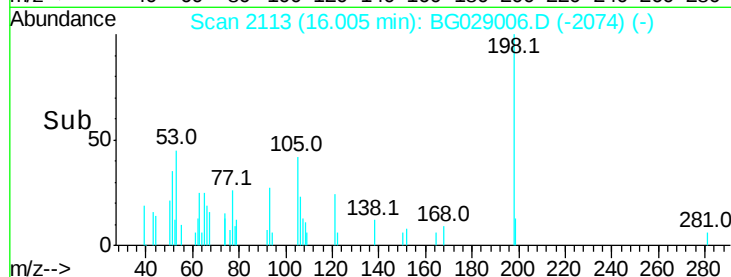
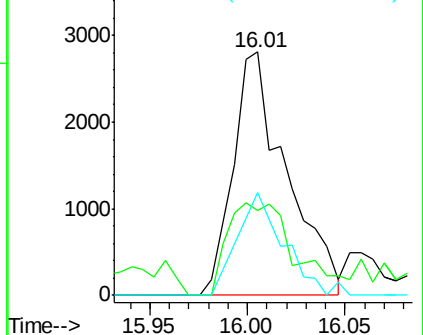
105 42.3 14.4 54.4



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.92 min Scan# 3120

Delta R.T. -0.11 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

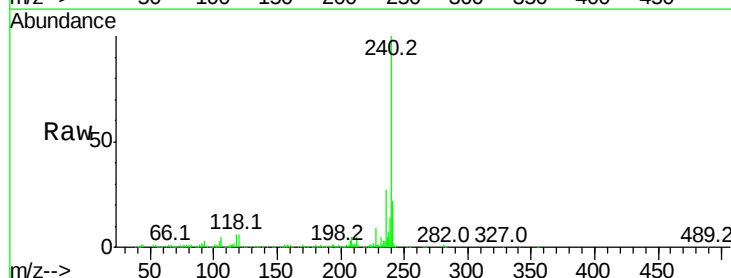
Tgt Ion:240 Resp: 285949

Ion Ratio Lower Upper

240 100

120 5.9 5.7 8.5

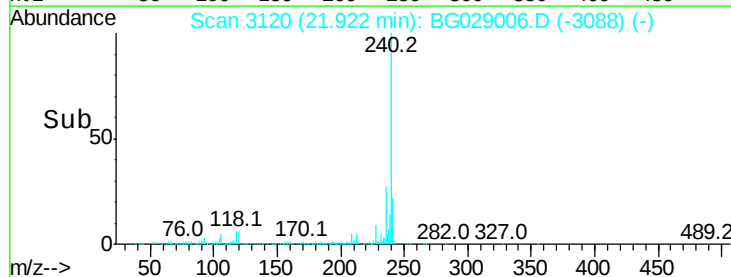
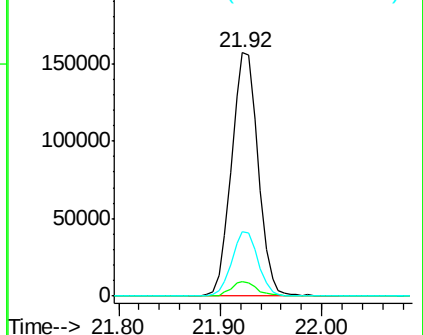
236 26.6 22.2 33.4

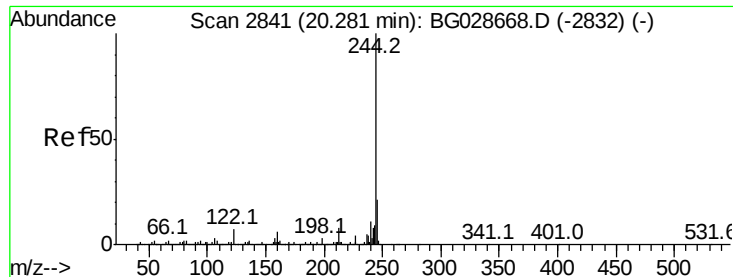


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 83.112 ng

RT: 20.20 min Scan# 2827

Delta R.T. -0.08 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT4-2017

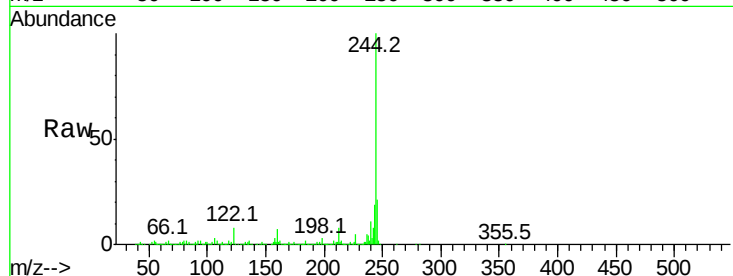
Tot Ion:244 Resp: 1114421

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

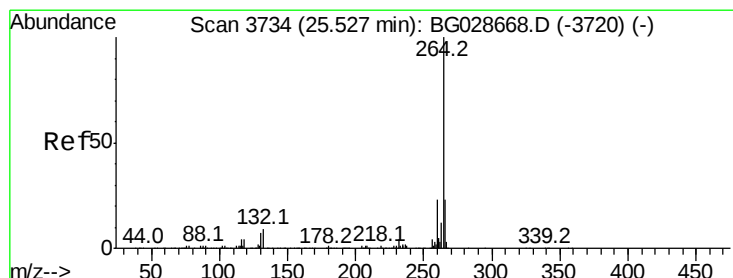
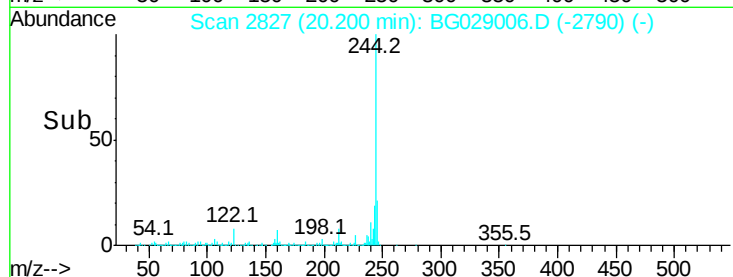
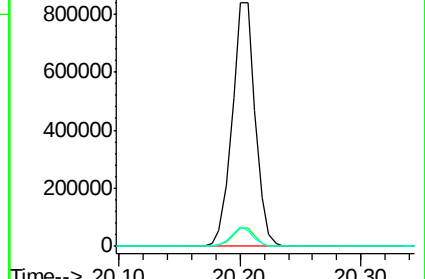
122 8.1 8.6 12.8#



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

Perylene-d12

Concen: 20.000 ng

RT: 25.34 min Scan# 3702

Delta R.T. -0.19 min

Lab File: BG029006.D

Acq: 3 Oct 2017 15:27

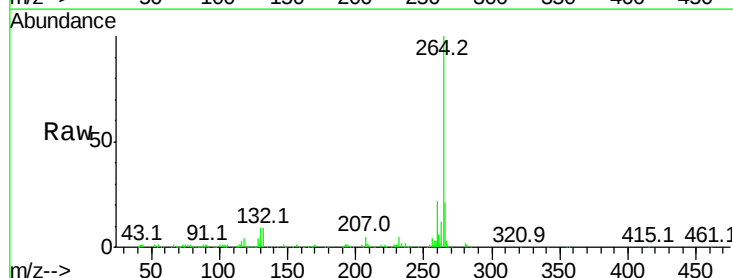
Tgt Ion:264 Resp: 276756

Ion Ratio Lower Upper

264 100

260 22.4 21.8 32.8

265 21.0 18.2 27.4



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

