

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071417\
 Data File : BG027935.D
 Acq On : 14 Jul 2017 21:39
 Operator : SJ/JU
 Sample : I3757-05
 Misc : 02PPM LOD
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT3-2017

Quant Time: Jul 14 23:25:16 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG071417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 16:10:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	54346	20.00	ng	0.00
21) Naphthalene-d8	11.20	136	232454	20.00	ng	0.00
38) Acenaphthene-d10	14.98	164	163456	20.00	ng	0.00
63) Phenanthrene-d10	17.73	188	414766	20.00	ng	0.00
75) Chrysene-d12	22.07	240	500166	20.00	ng	0.00
86) Perylene-d12	25.58	264	459136	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.94	112	429785	141.46	ng	0.00
7) Phenol-d6	7.52	99	576269	131.65	ng	0.00
23) Nitrobenzene-d5	9.54	82	413457	99.38	ng	0.00
41) 2,4,6-Tribromophenol	16.47	330	380724	157.17	ng	0.00
44) 2-Fluorobiphenyl	13.60	172	1302538	105.09	ng	0.00
78) Terphenyl-d14	20.31	244	2097022	94.80	ng	0.00

Target Compounds

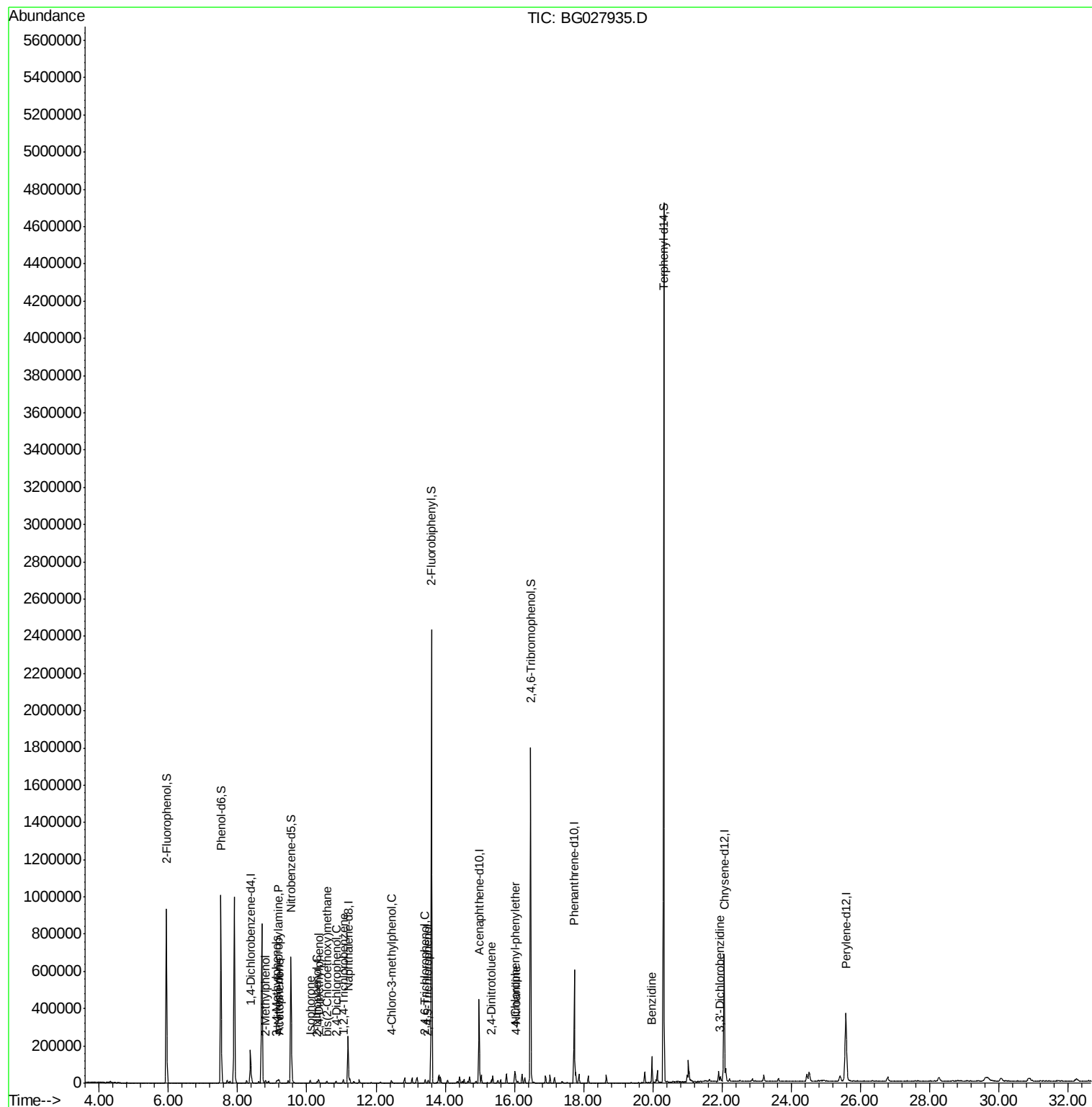
						Qvalue
17) 2-Methylphenol	8.80	107	5003	1.657	ng	# 82
19) n-Nitroso-di-n-propylamine	9.16	70	5482	1.794	ng	89
20) 3+4-Methylphenols	9.13	107	6765	1.595	ng	# 74
22) Acetophenone	9.20	105	9872	1.761	ng	# 84
25) Isophorone	10.10	82	12998	1.636	ng	99
26) 2-Nitrophenol	10.29	139	3611	1.721	ng	# 58
27) 2,4-Dimethylphenol	10.34	122	5975	1.622	ng	90
28) bis(2-Chloroethoxy)methane	10.58	93	7831	1.686	ng	# 95
29) 2,4-Dichlorophenol	10.84	162	6481	1.625	ng	84
30) 1,2,4-Trichlorobenzene	11.05	180	8370	1.872	ng	98
36) 4-Chloro-3-methylphenol	12.45	107	6715	1.561	ng	# 93
42) 2,4,6-Trichlorophenol	13.42	196	6173	1.575	ng	93
43) 2,4,5-Trichlorophenol	13.50	196	6292	1.525	ng	# 84
56) 2,4-Dinitrotoluene	15.33	165	5675	1.408	ng	# 81
60) 4-Chlorophenyl-phenylether	16.01	204	13214	1.719	ng	98
61) 4-Nitroaniline	16.05	138	3062	1.036	ng	# 60
76) Benzidine	19.96	184	5951	0.510	ng	# 81
81) 3,3'-Dichlorobenzidine	21.95	252	15086	1.395	ng	# 99

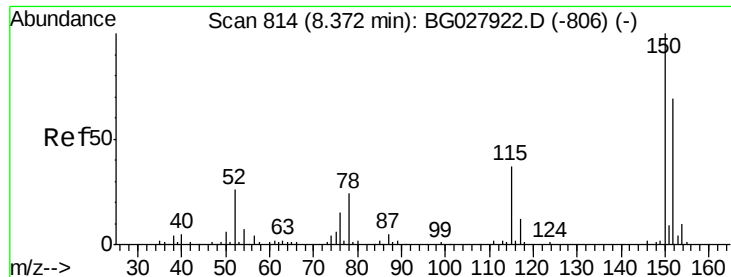
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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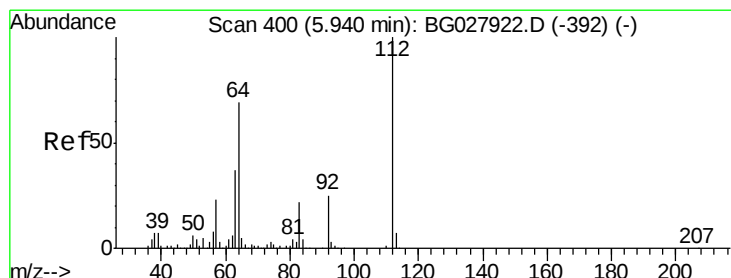
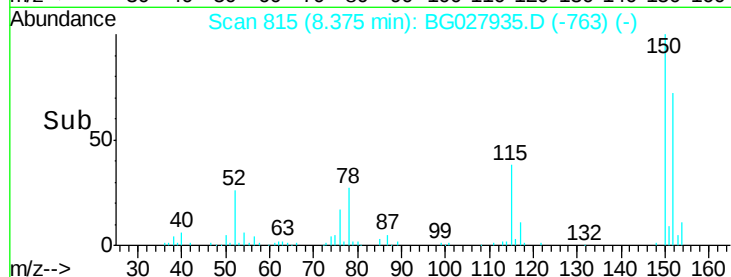
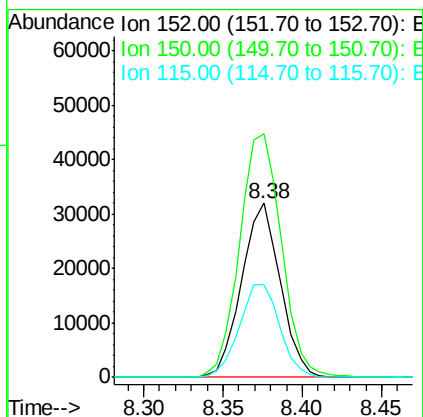
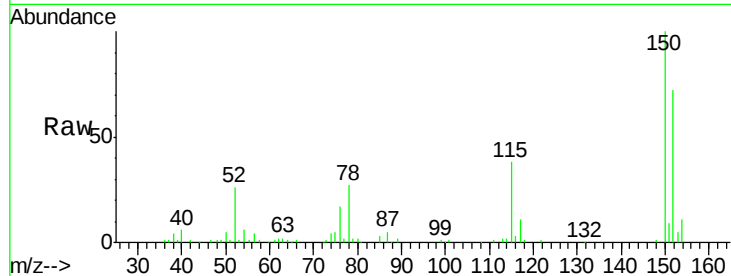


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.38 min Scan# 815
Delta R.T. 0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT3-2017

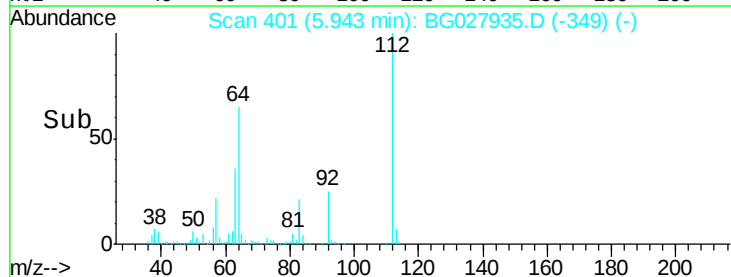
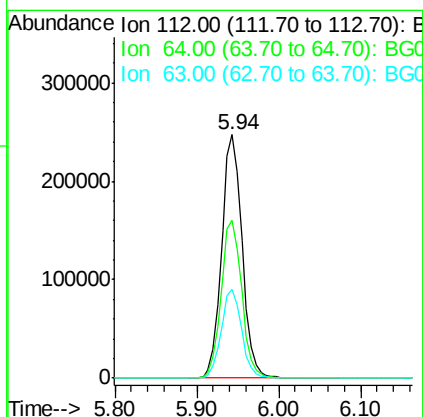
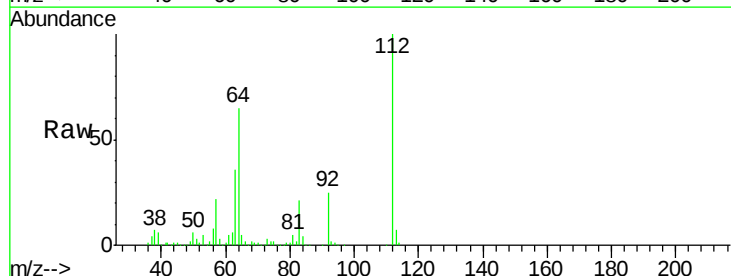
Tgt Ion:152 Resp: 54346
Ion Ratio Lower Upper
152 100
150 139.7 114.0 171.0
115 53.4 48.1 72.1

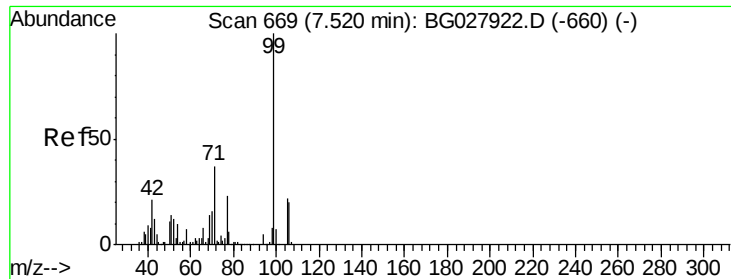


#5

2-Fluorophenol
Concen: 141.455 ng
RT: 5.94 min Scan# 401
Delta R.T. 0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

Tgt Ion:112 Resp: 429785
Ion Ratio Lower Upper
112 100
64 65.0 61.8 92.6
63 36.3 37.2 55.8#





#7

Phenol-d6

Concen: 131.646 ng

RT: 7.52 min Scan# 669

Delta R.T. -0.00 min

Lab File: BG027935.D

Acq: 14 Jul 2017 21:39

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT3-2017

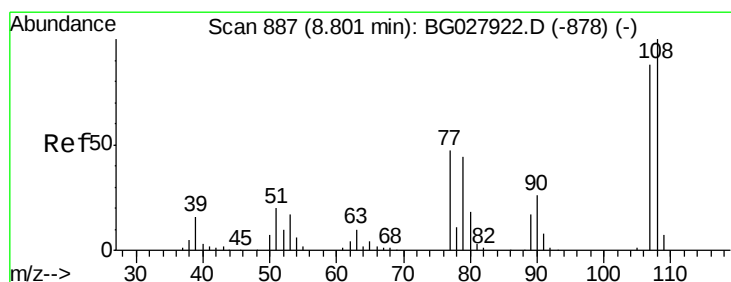
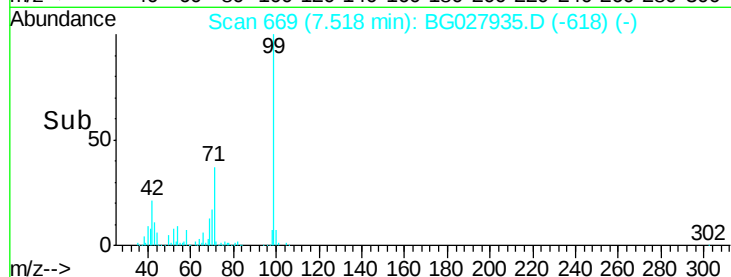
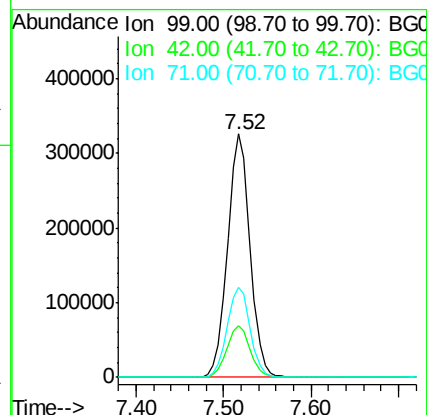
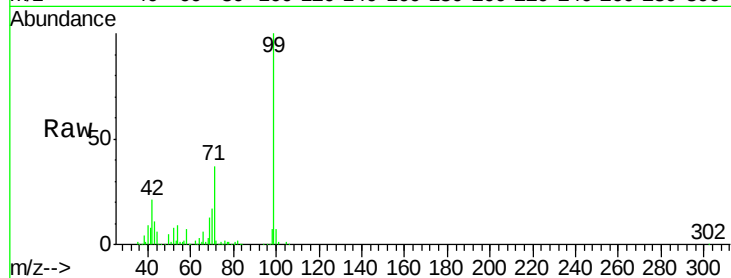
Tgt Ion: 99 Resp: 576269

Ion Ratio Lower Upper

99 100

42 21.3 20.5 30.7

71 37.0 37.6 56.4#



#17

2-Methylphenol

Concen: 1.657 ng

RT: 8.80 min Scan# 887

Delta R.T. -0.00 min

Lab File: BG027935.D

Acq: 14 Jul 2017 21:39

Tgt Ion: 107 Resp: 5003

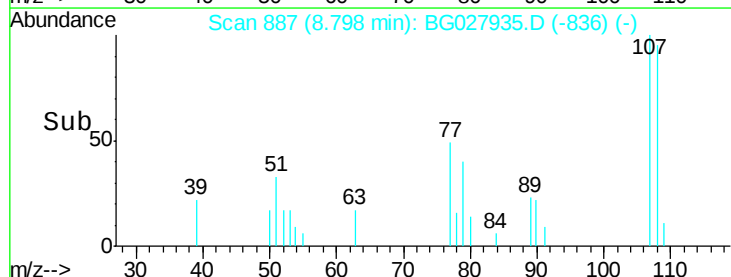
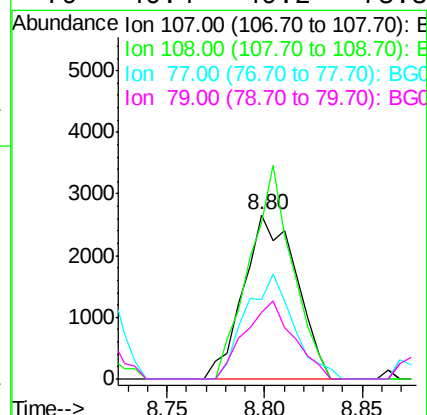
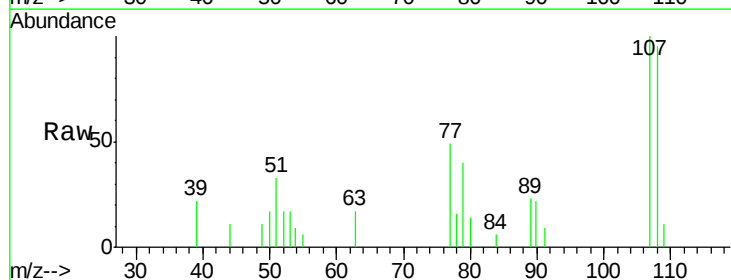
Ion Ratio Lower Upper

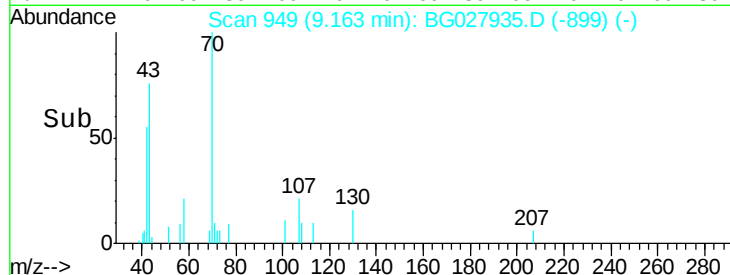
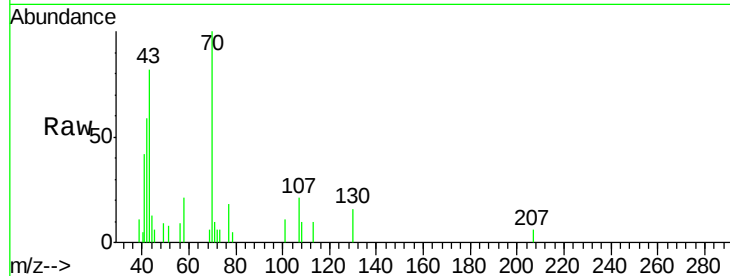
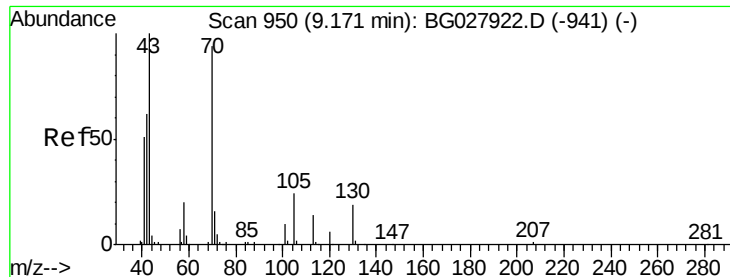
107 100

108 94.6 85.6 128.4

77 48.6 51.4 77.2#

79 40.4 49.2 73.8#

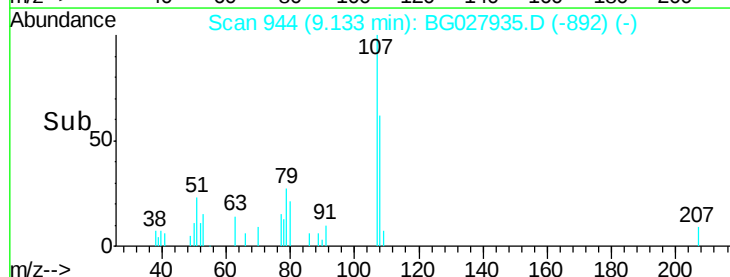
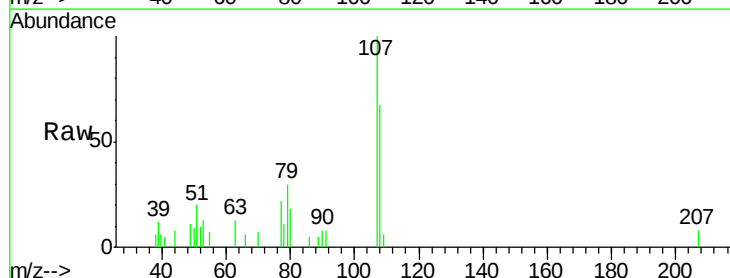
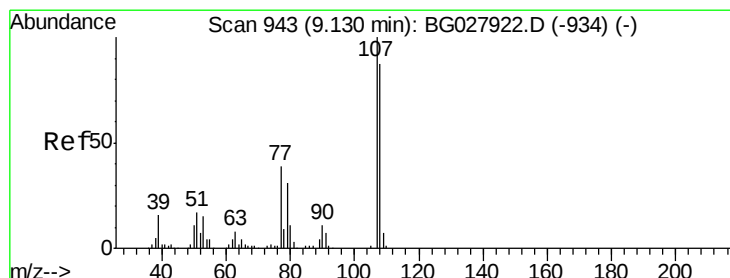
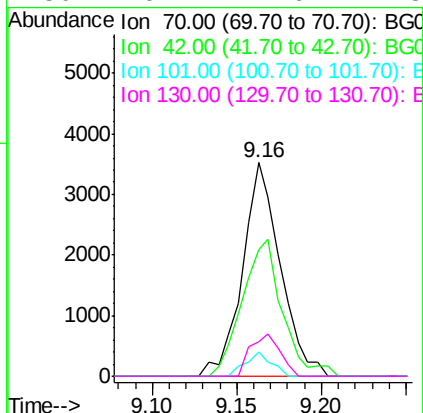




#19
n-Nitroso-di-n-propylamine
Concen: 1.794 ng
RT: 9.16 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

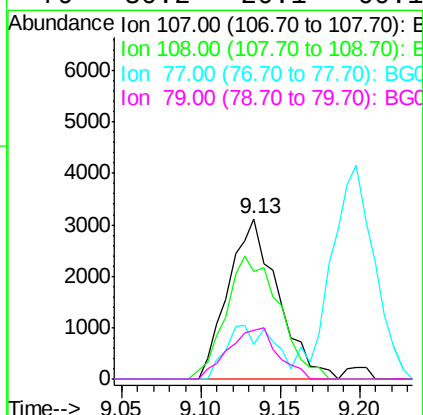
Instrument :
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LOD-WATER-05-QT3-2017

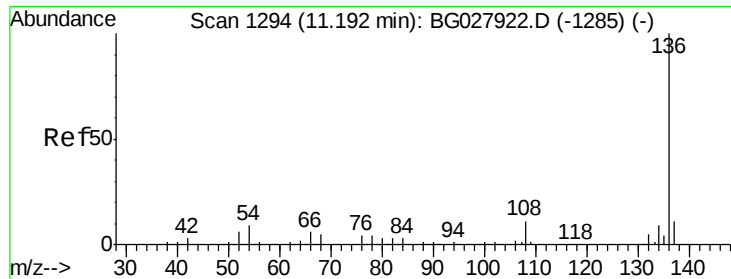
Tgt Ion:	70	Resp:	5482
Ion	Ratio	Lower	Upper
70	100		
42	59.3	56.1	84.1
101	11.2	7.5	11.3
130	16.2	14.6	21.8



#20
3+4-Methylphenols
Concen: 1.595 ng
RT: 9.13 min Scan# 944
Delta R.T. 0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

Tgt Ion:	107	Resp:	6765
Ion	Ratio	Lower	Upper
107	100		
108	67.1	70.8	110.8#
77	21.6	25.8	65.8#
79	30.2	20.1	60.1

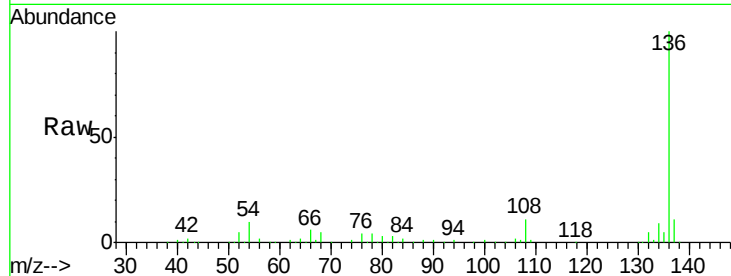




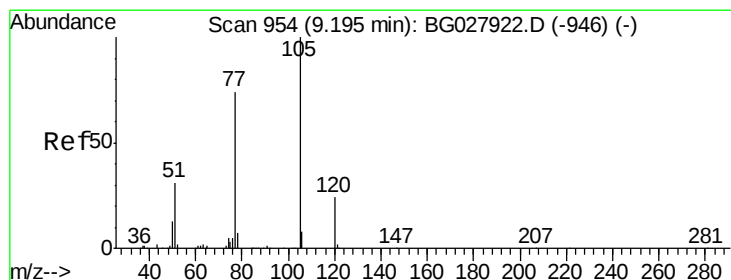
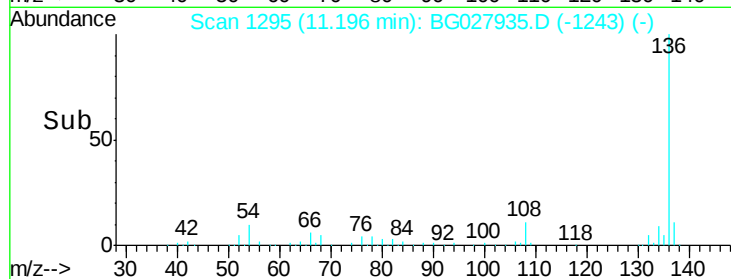
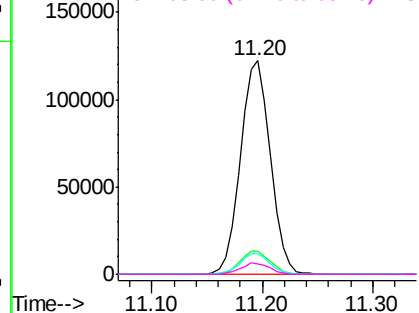
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.20 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT3-2017

Tgt Ion:	136	Resp:	232454
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.8	9.3	13.9
68	4.9	5.1	7.7#

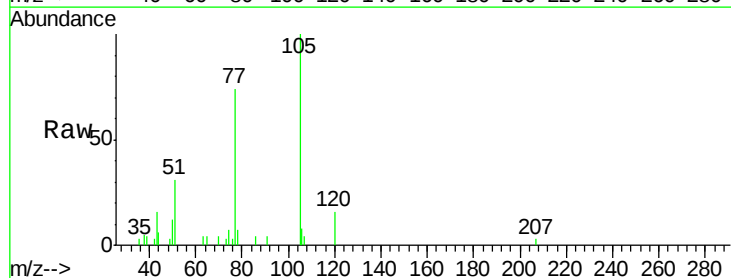


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

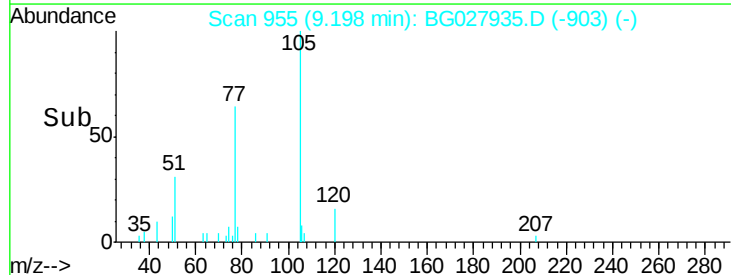
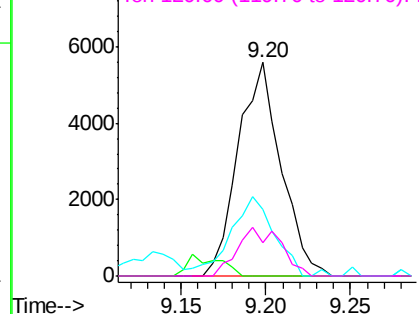


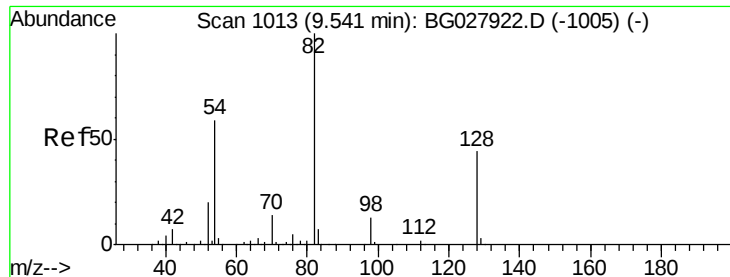
#22
Acetophenone
Concen: 1.761 ng
RT: 9.20 min Scan# 955
Delta R.T. 0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

Tgt Ion:	105	Resp:	9872
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	31.0	34.0	51.0#
120	15.7	17.3	25.9#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

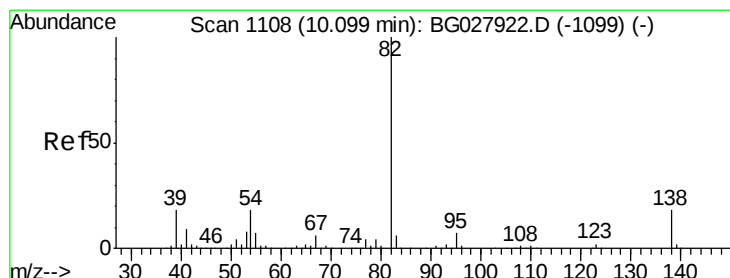
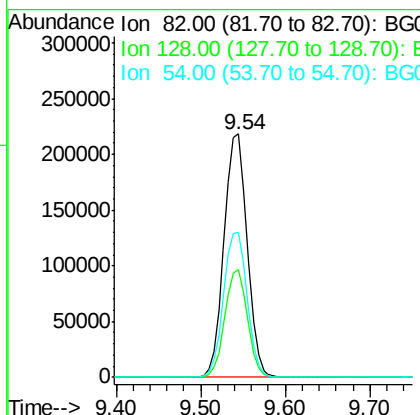
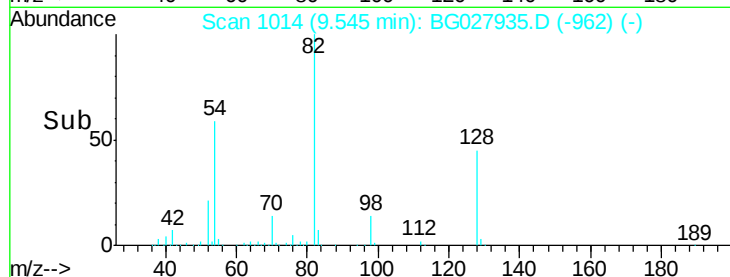
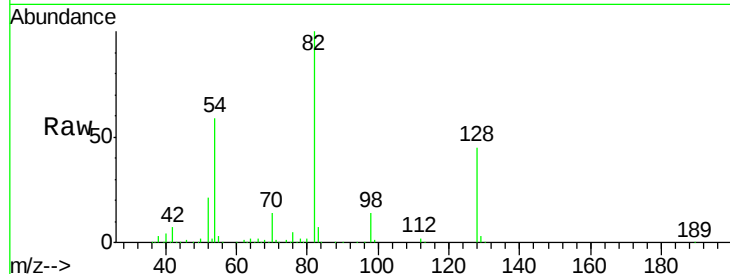




#23
 Nitrobenzene-d5
 Concen: 99.383 ng
 RT: 9.54 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

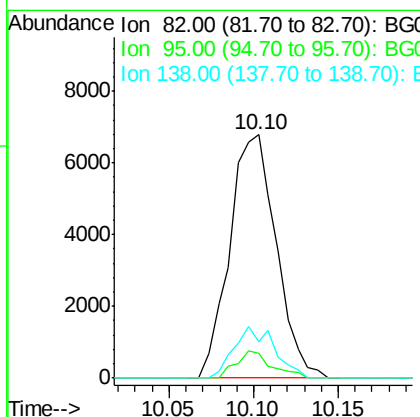
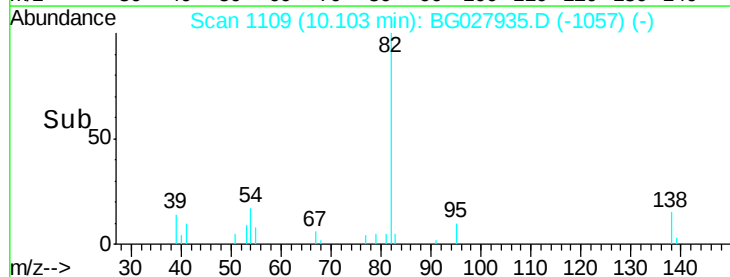
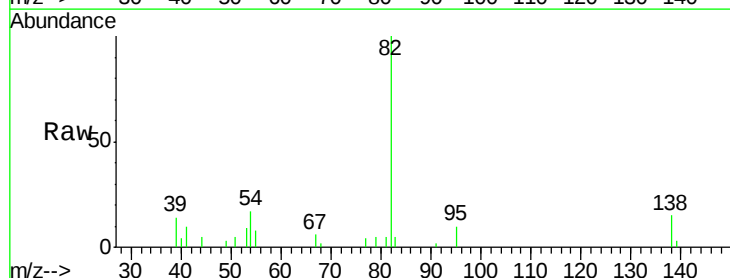
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 BNA_G
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 LOD-WATER-05-QT3-2017

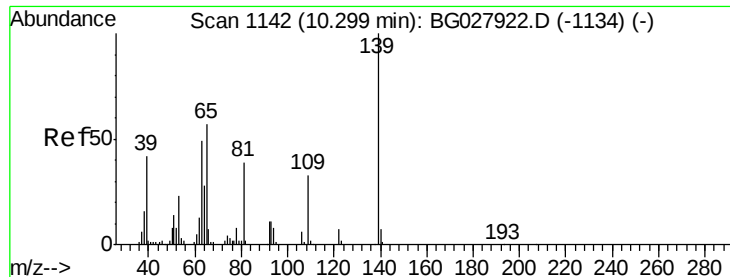
Tgt Ion: 82 Resp: 413457
 Ion Ratio Lower Upper
 82 100
 128 44.5 26.4 39.6#
 54 59.5 49.4 74.2



#25
 Isophorone
 Concen: 1.636 ng
 RT: 10.10 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

Tgt Ion: 82 Resp: 12998
 Ion Ratio Lower Upper
 82 100
 95 10.2 7.5 11.3
 138 15.0 12.3 18.5

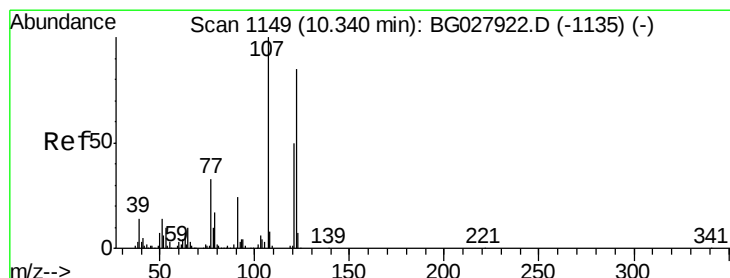
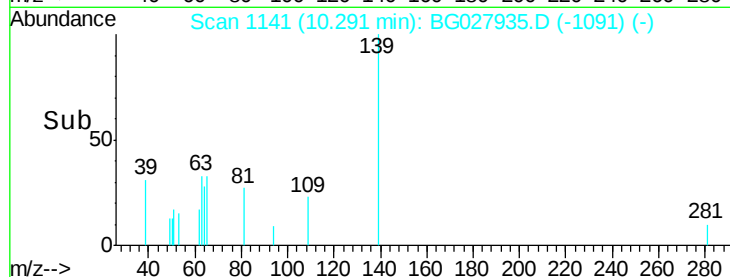
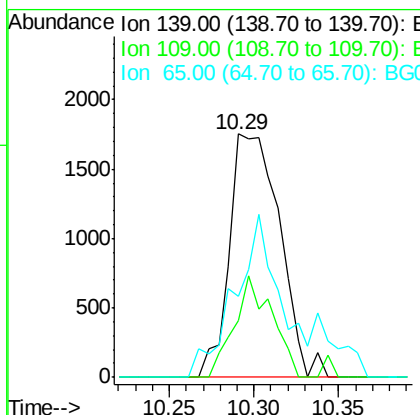
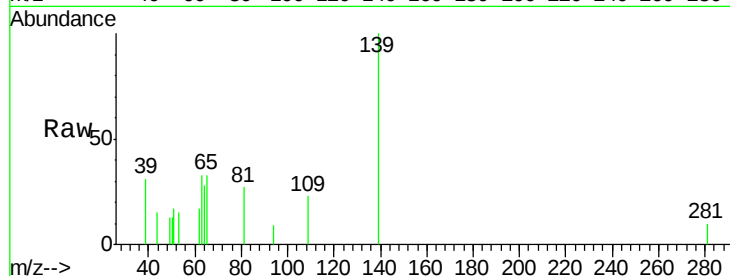




#26
2-Nitrophenol
Concen: 1.721 ng
RT: 10.29 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

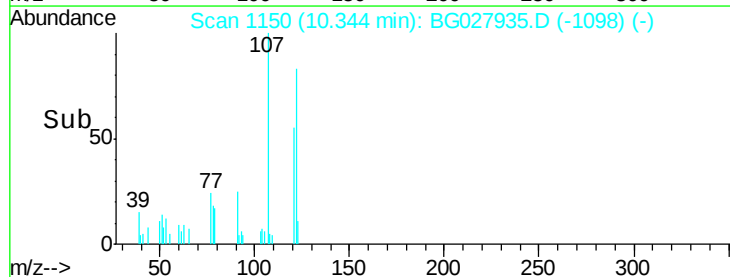
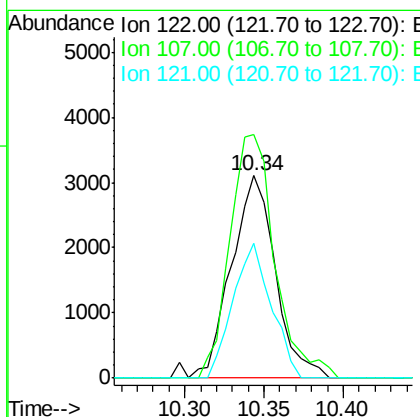
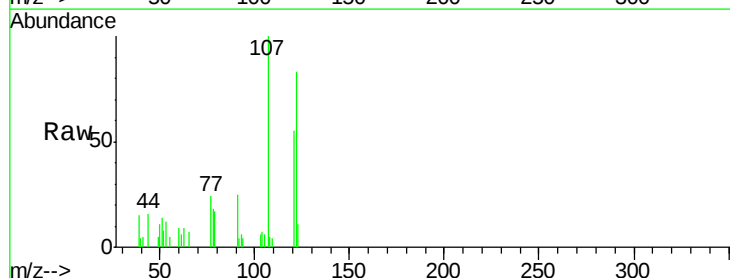
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT3-2017

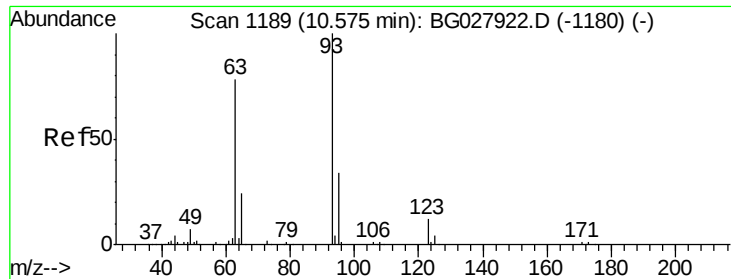
Tgt Ion:139 Resp: 3611
Ion Ratio Lower Upper
139 100
109 23.1 38.6 58.0#
65 33.4 57.1 85.7#



#27
2,4-Dimethylphenol
Concen: 1.622 ng
RT: 10.34 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

Tgt Ion:122 Resp: 5975
Ion Ratio Lower Upper
122 100
107 120.4 104.2 156.4
121 66.4 46.0 69.0

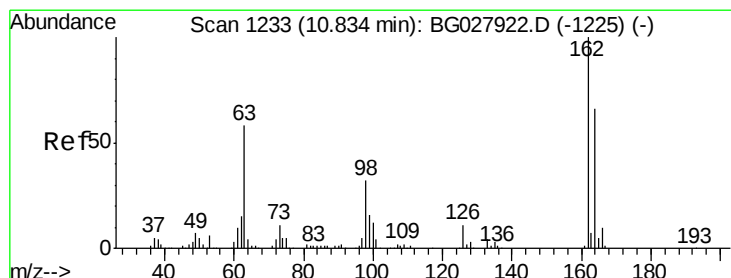
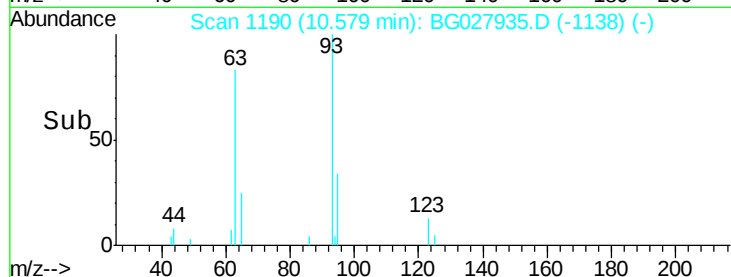
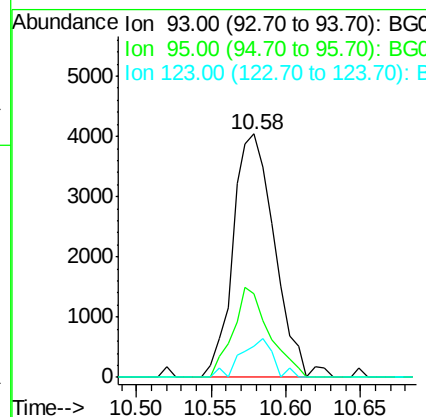
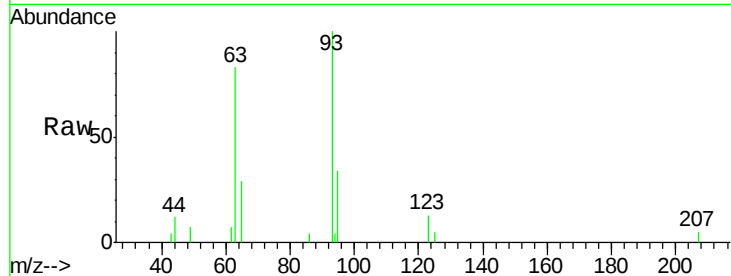




#28
bis(2-Chloroethoxy)methane
Concen: 1.686 ng
RT: 10.58 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

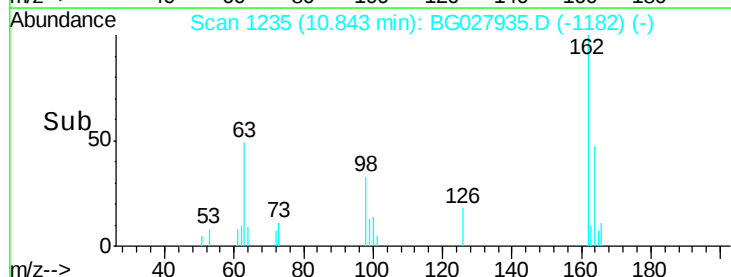
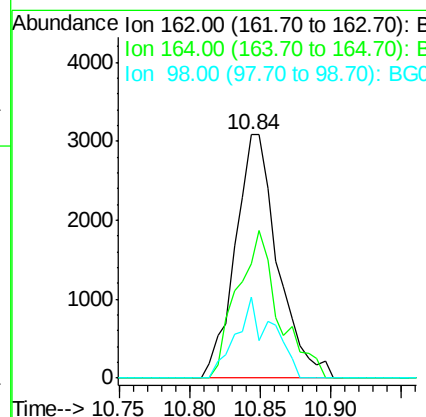
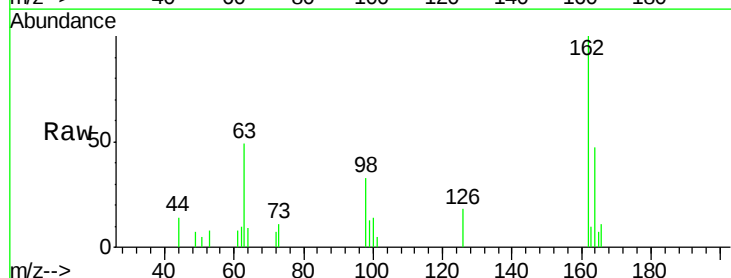
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ClientSampleId :
LOD-WATER-05-QT3-2017

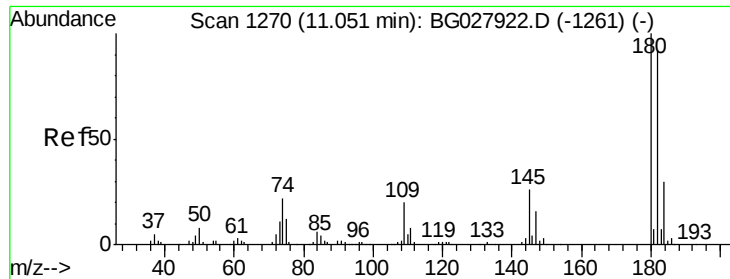
Tgt Ion: 93 Resp: 7831
Ion Ratio Lower Upper
93 100
95 34.4 25.7 38.5
123 12.9 8.3 12.5#



#29
2,4-Dichlorophenol
Concen: 1.625 ng
RT: 10.84 min Scan# 1235
Delta R.T. 0.01 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

Tgt Ion: 162 Resp: 6481
Ion Ratio Lower Upper
162 100
164 47.1 42.4 82.4
98 33.4 20.3 60.3

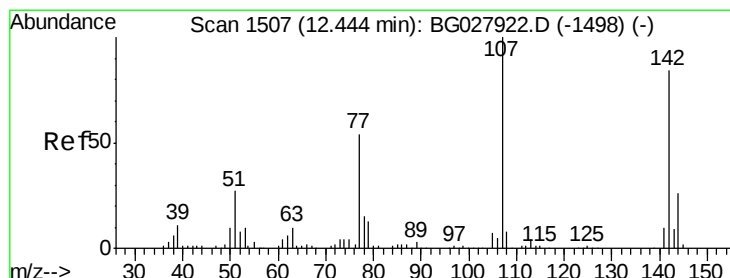
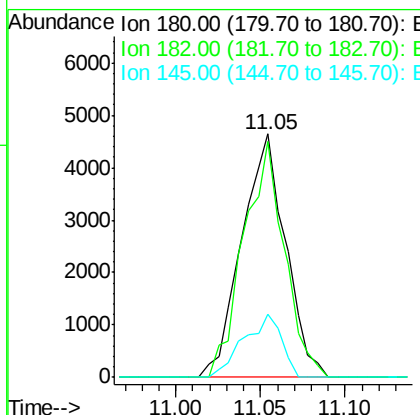
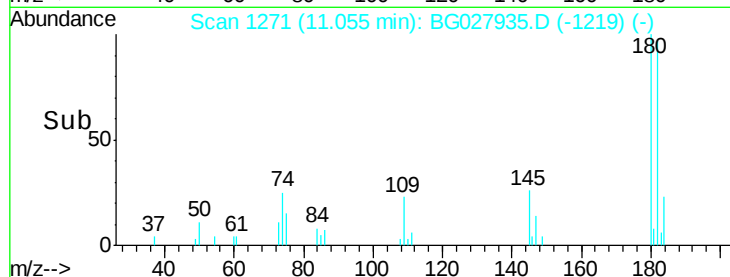
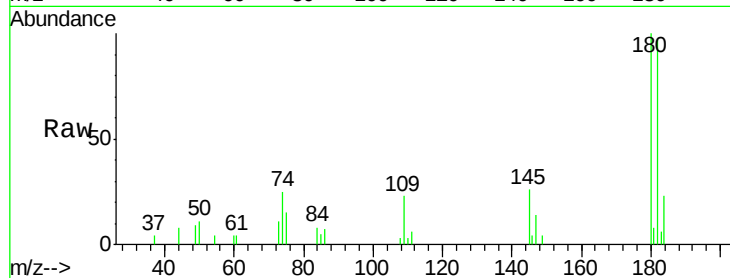




#30
 1,2,4-Trichlorobenzene
 Concen: 1.872 ng
 RT: 11.05 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

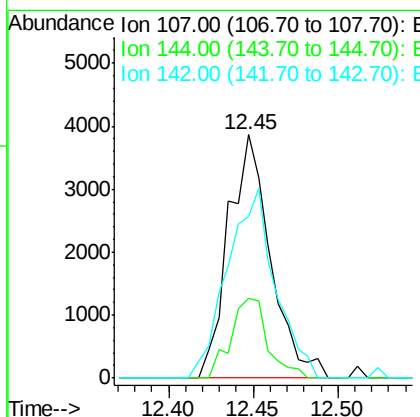
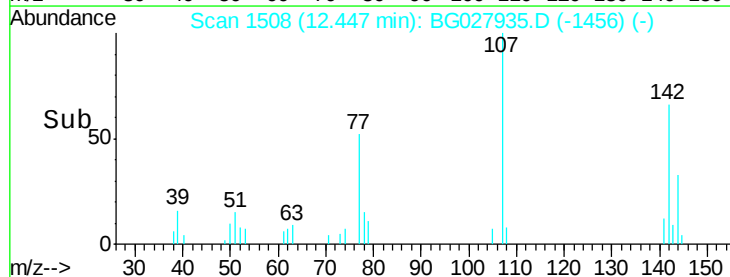
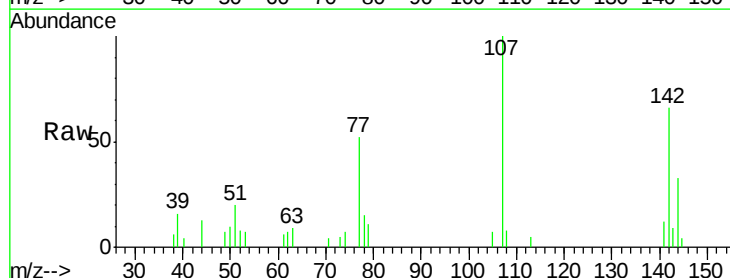
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT3-2017

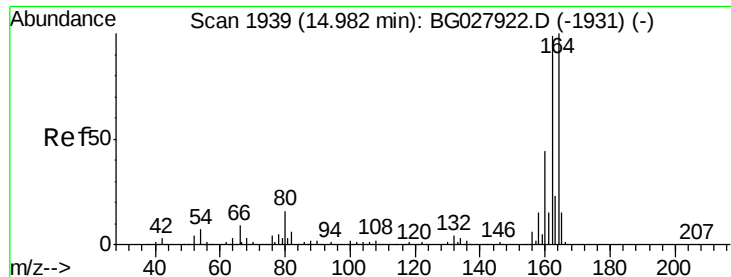
Tgt Ion:180 Resp: 8370
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.0 115.4
 145 25.7 23.4 35.0



#36
 4-Chloro-3-methylphenol
 Concen: 1.561 ng
 RT: 12.45 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

Tgt Ion:107 Resp: 6715
 Ion Ratio Lower Upper
 107 100
 144 32.6 17.4 26.0#
 142 66.5 54.1 81.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.98 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BG027935.D

Acq: 14 Jul 2017 21:39

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT3-2017

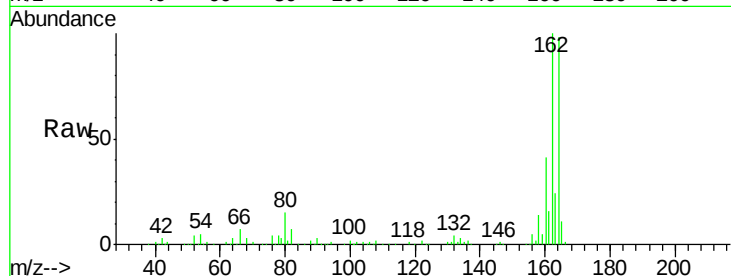
Tgt Ion:164 Resp: 163456

Ion Ratio Lower Upper

164 100

162 101.8 85.1 127.7

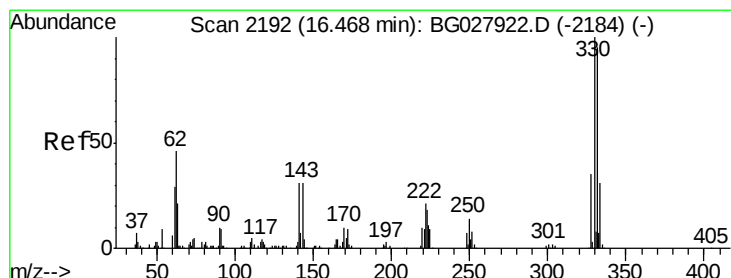
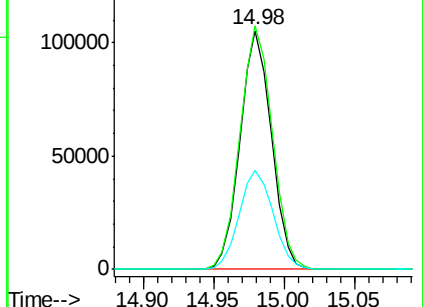
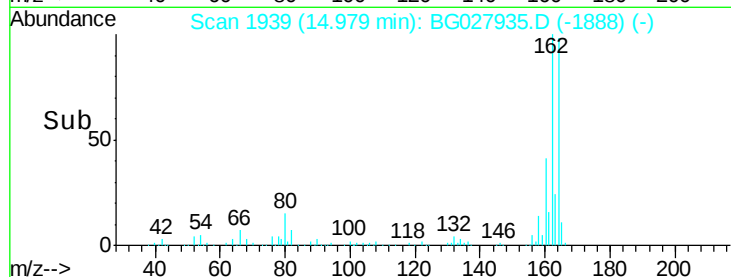
160 41.6 34.7 52.1



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: 157.170 ng

RT: 16.47 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BG027935.D

Acq: 14 Jul 2017 21:39

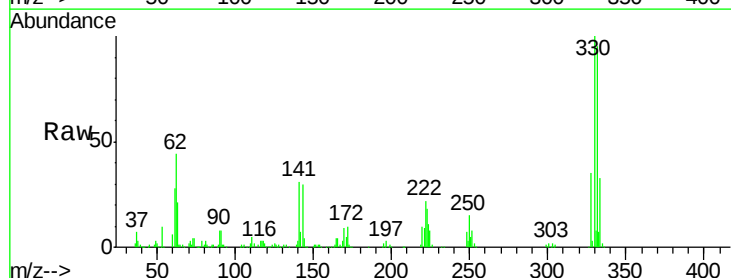
Tgt Ion:330 Resp: 380724

Ion Ratio Lower Upper

330 100

332 95.1 77.3 115.9

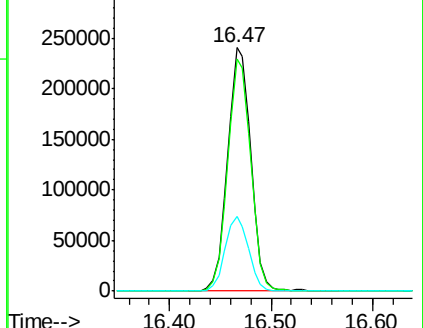
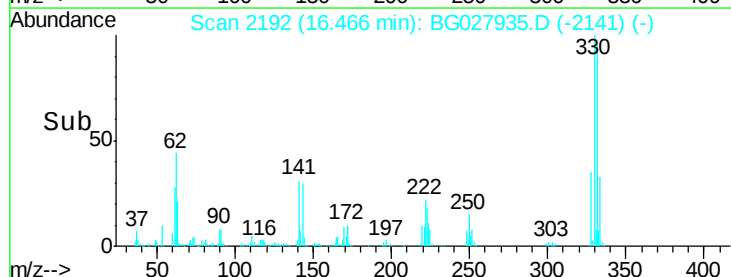
141 31.0 32.1 48.1#

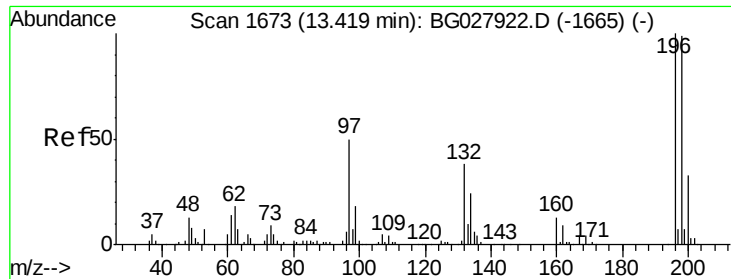


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

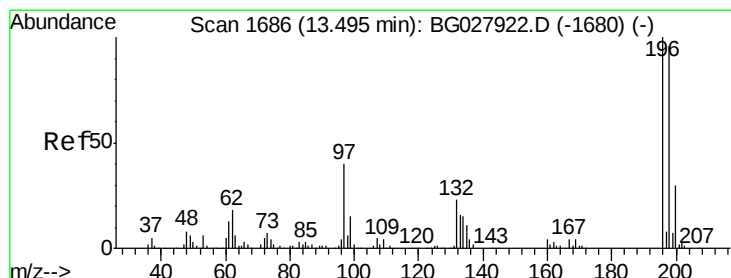
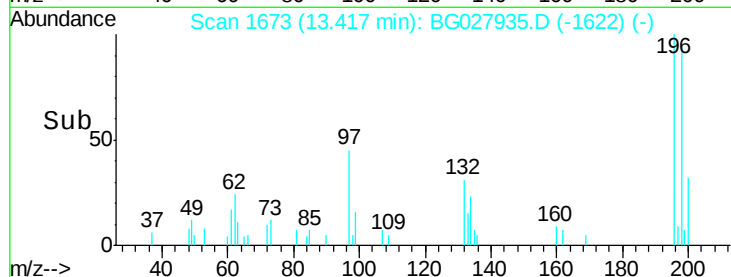
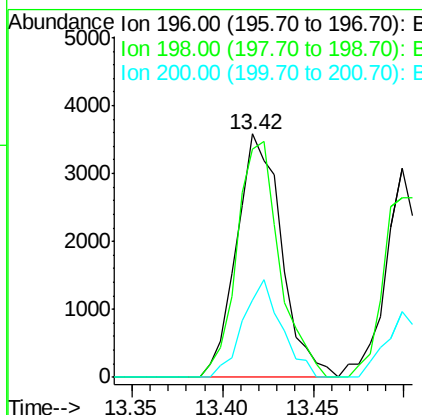
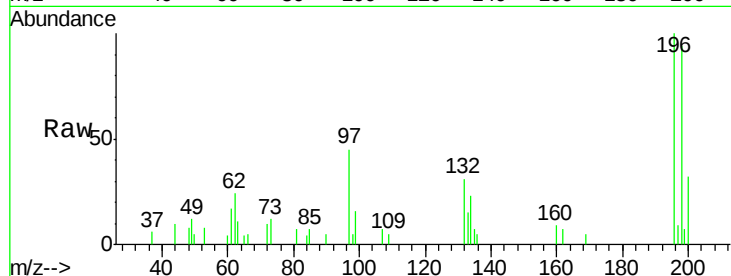




#42
 2,4,6-Trichlorophenol
 Concen: 1.575 ng
 RT: 13.42 min Scan# 1673
 Delta R.T. -0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

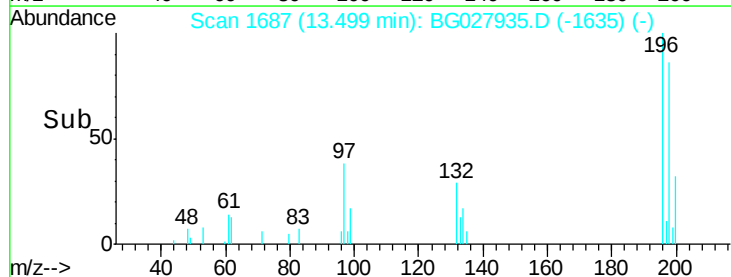
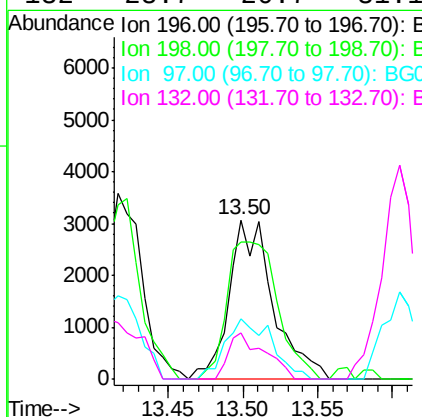
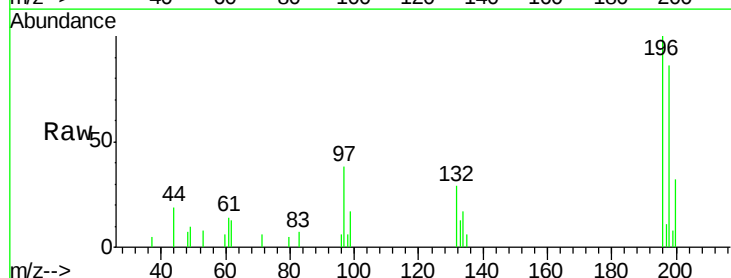
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT3-2017

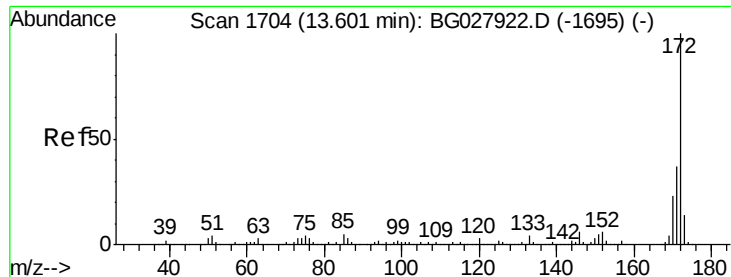
Tgt Ion:196 Resp: 6173
 Ion Ratio Lower Upper
 196 100
 198 93.8 81.4 122.2
 200 31.9 27.0 40.6



#43
 2,4,5-Trichlorophenol
 Concen: 1.525 ng
 RT: 13.50 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

Tgt Ion:196 Resp: 6292
 Ion Ratio Lower Upper
 196 100
 198 86.2 79.9 119.9
 97 37.6 45.4 68.0#
 132 28.7 20.7 31.1

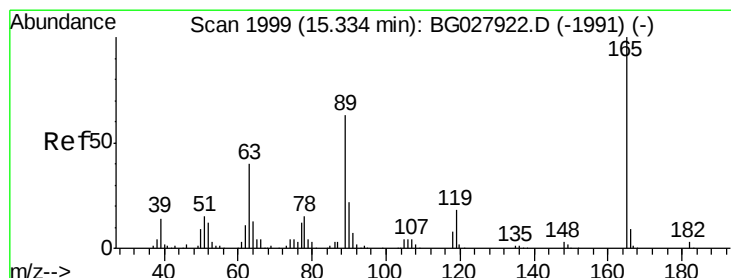
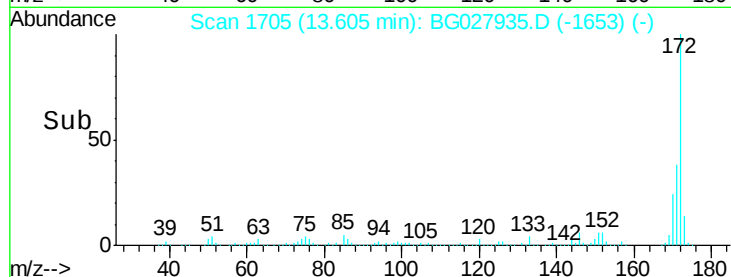
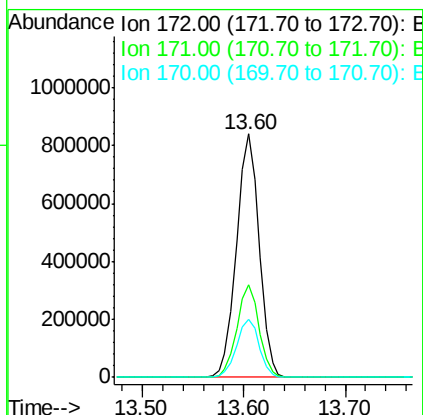
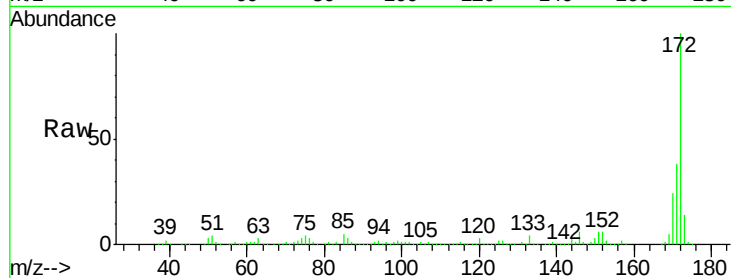




#44
 2-Fluorobiphenyl
 Concen: 105.092 ng
 RT: 13.60 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

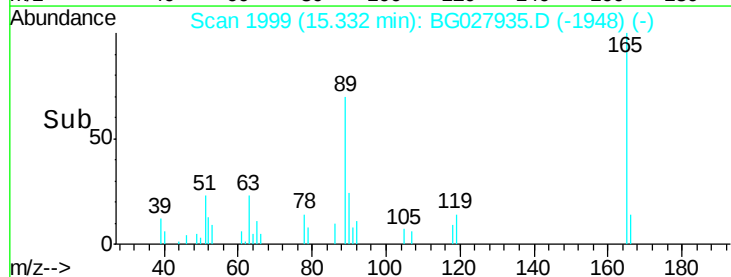
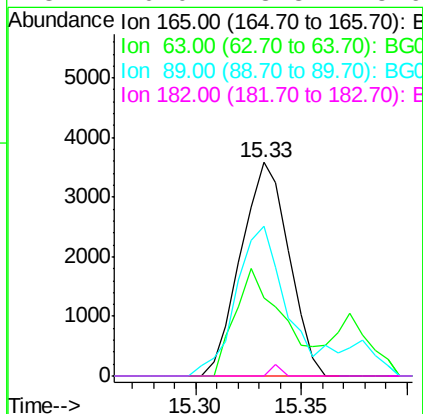
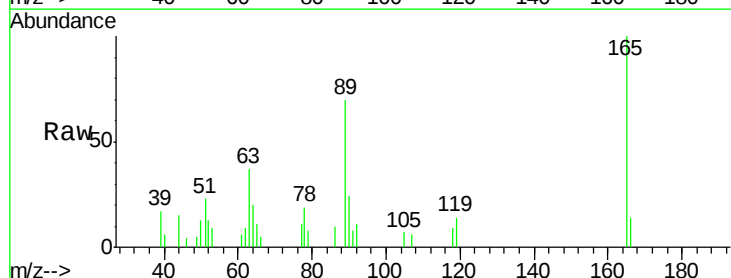
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT3-2017

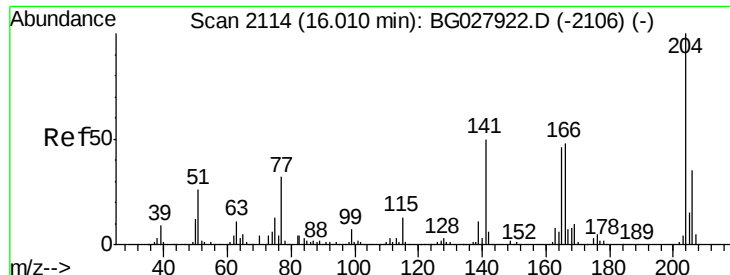
Tgt Ion:172 Resp: 1302538
 Ion Ratio Lower Upper
 172 100
 171 38.0 32.2 48.2
 170 24.1 21.8 32.6



#56
 2,4-Dinitrotoluene
 Concen: 1.408 ng
 RT: 15.33 min Scan# 1999
 Delta R.T. -0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

Tgt Ion:165 Resp: 5675
 Ion Ratio Lower Upper
 165 100
 63 36.6 44.0 66.0#
 89 70.4 67.3 100.9
 182 0.0 3.8 5.6#

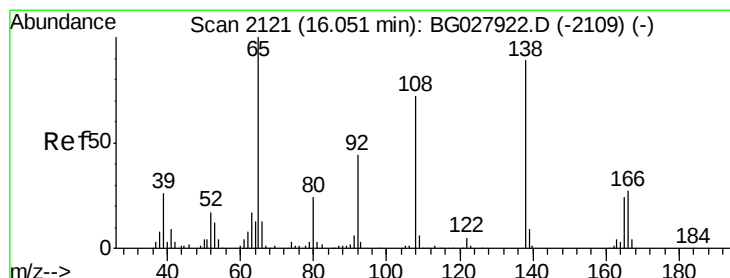
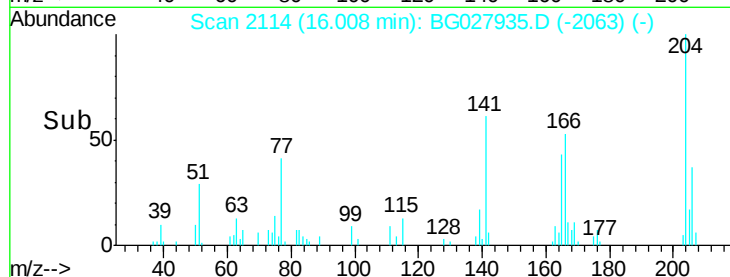
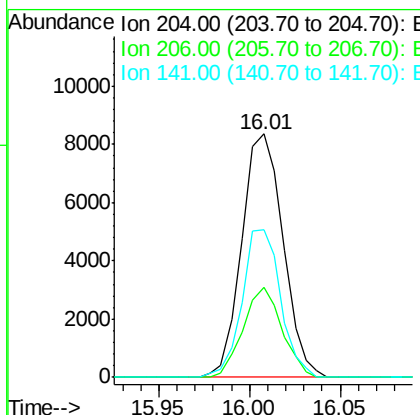
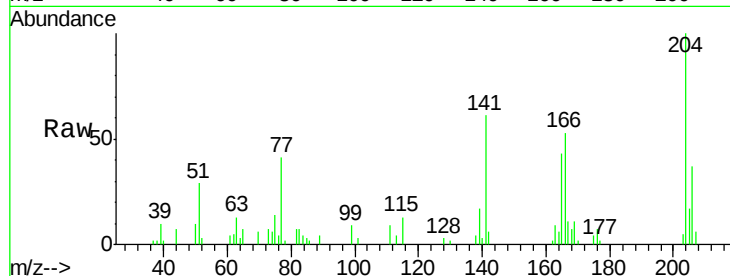




#60
 4-Chlorophenyl-phenylether
 Concen: 1.719 ng
 RT: 16.01 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

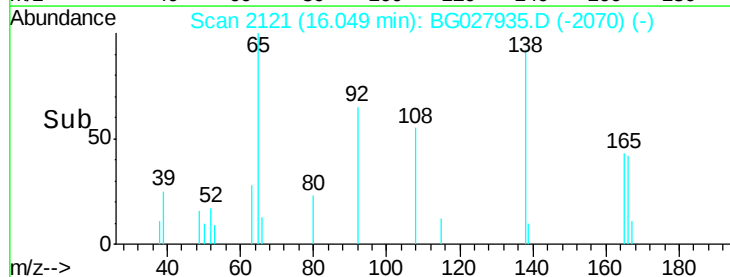
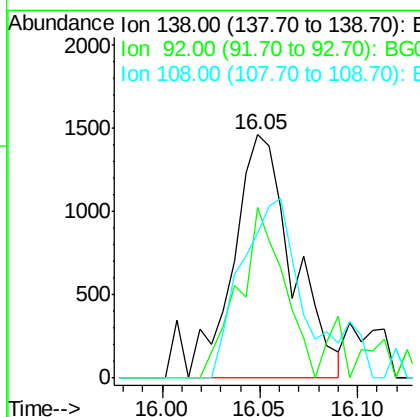
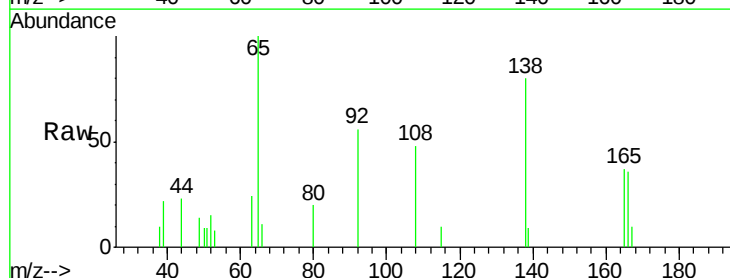
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT3-2017

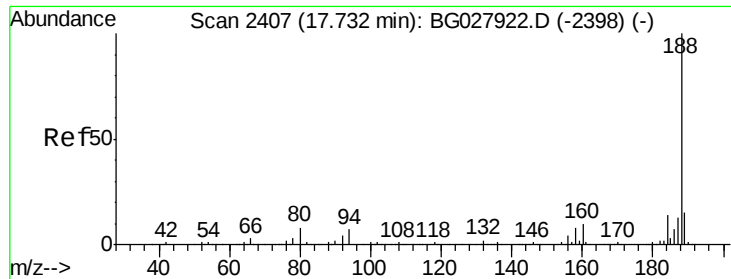
Tgt Ion: 204 Resp: 13214
 Ion Ratio Lower Upper
 204 100
 206 36.9 30.1 45.1
 141 60.8 50.6 76.0



#61
 4-Nitroaniline
 Concen: 1.036 ng
 RT: 16.05 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

Tgt Ion: 138 Resp: 3062
 Ion Ratio Lower Upper
 138 100
 92 70.0 44.2 84.2
 108 59.5 104.8 144.8#

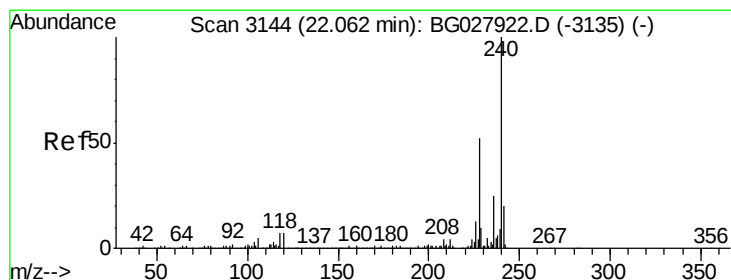
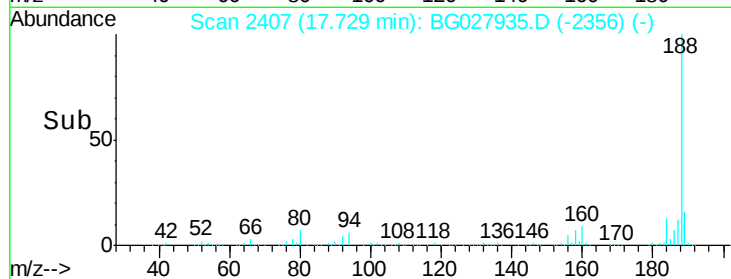
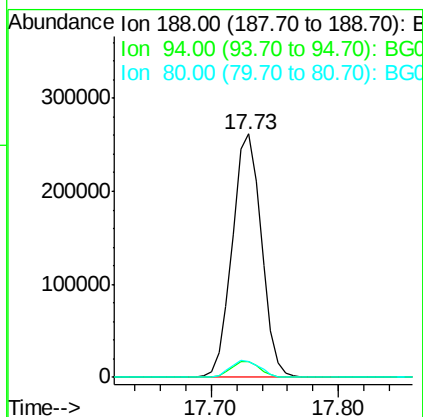
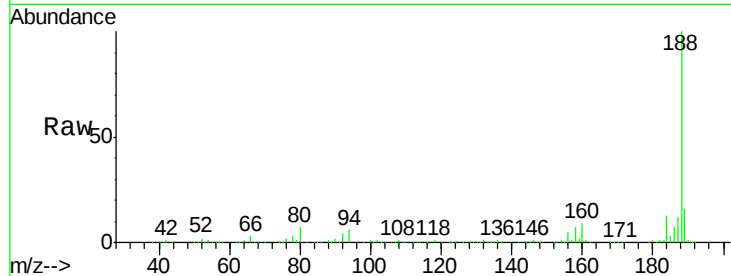




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.73 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

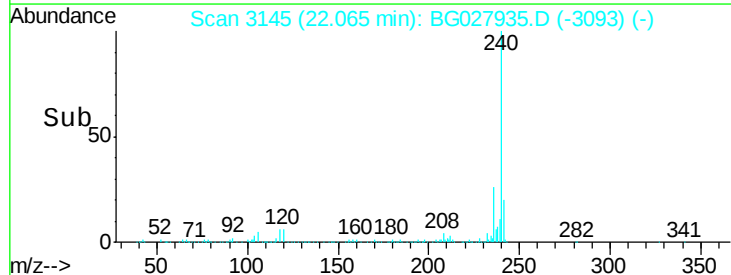
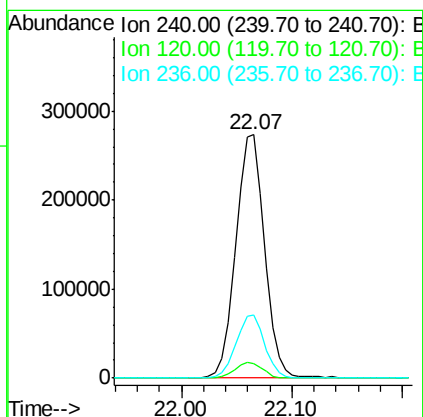
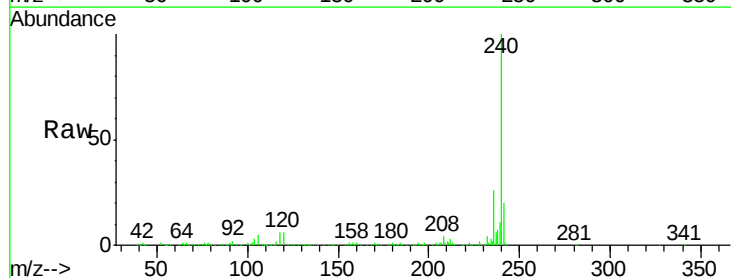
Instrument :
BNA_G
ClientSampleId :
LOD-WATER-05-QT3-2017

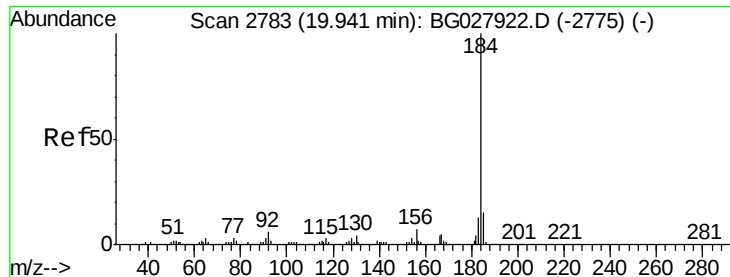
Tgt Ion:188 Resp: 414766
Ion Ratio Lower Upper
188 100
94 6.4 5.8 8.8
80 6.6 7.5 11.3#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.07 min Scan# 3145
Delta R.T. 0.00 min
Lab File: BG027935.D
Acq: 14 Jul 2017 21:39

Tgt Ion:240 Resp: 500166
Ion Ratio Lower Upper
240 100
120 5.7 5.7 8.5
236 26.1 22.2 33.4





#76

Benzidine

Concen: 0.510 ng

RT: 19.96 min Scan# 2787

Delta R.T. 0.02 min

Lab File: BG027935.D

Acq: 14 Jul 2017 21:39

Instrument :

BNA_G

ClientSampleId :

LOD-WATER-05-QT3-2017

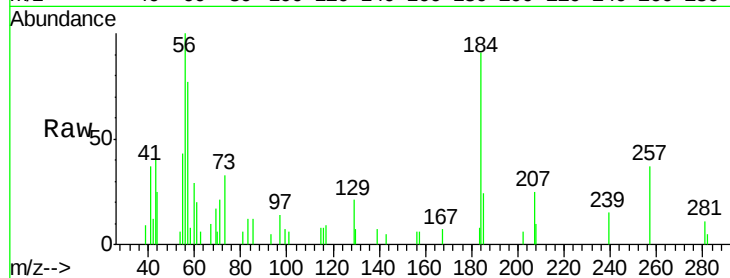
Tgt Ion:184 Resp: 5951

Ion Ratio Lower Upper

184 100

185 26.1 13.0 19.6#

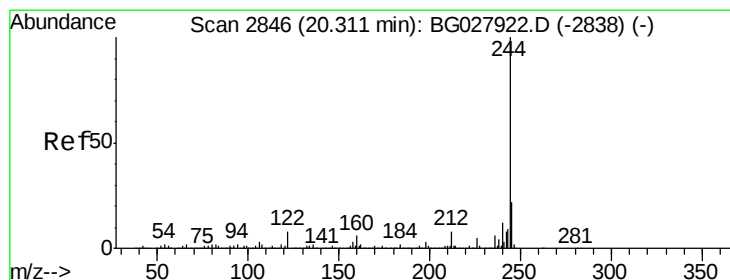
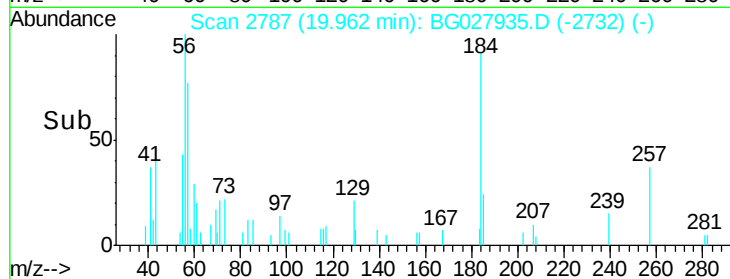
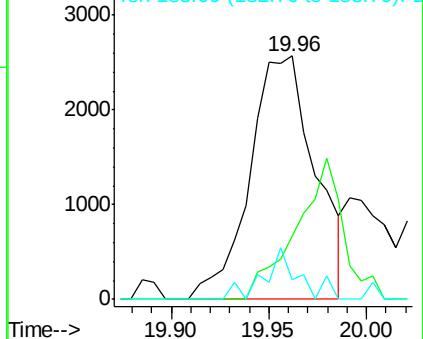
183 8.2 11.0 16.6#



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



#78

Terphenyl-d14

Concen: 94.798 ng

RT: 20.31 min Scan# 2847

Delta R.T. 0.00 min

Lab File: BG027935.D

Acq: 14 Jul 2017 21:39

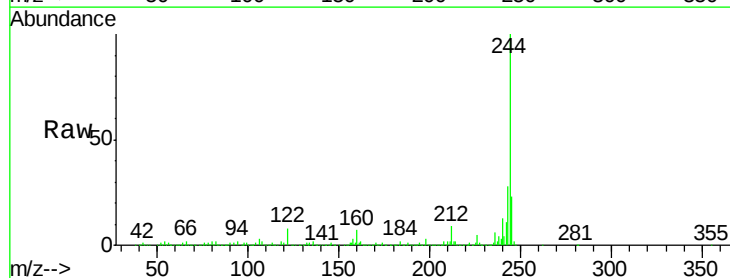
Tgt Ion:244 Resp: 2097022

Ion Ratio Lower Upper

244 100

212 8.7 10.0 15.0#

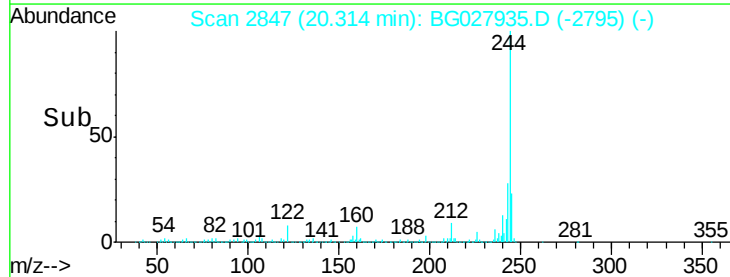
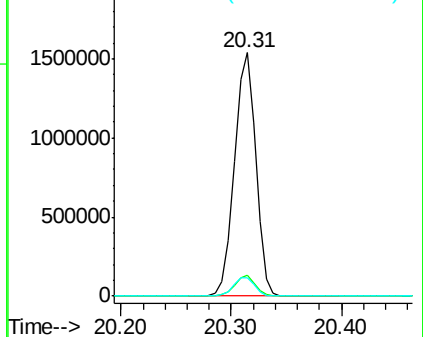
122 7.7 8.6 12.8#

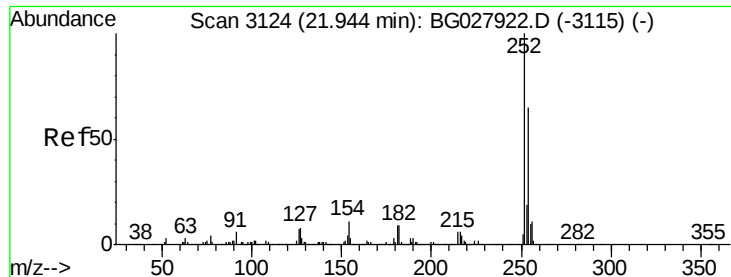


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

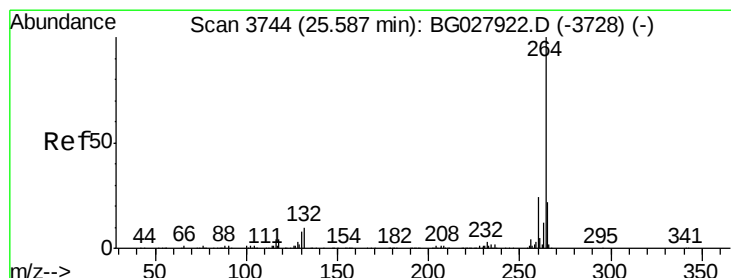
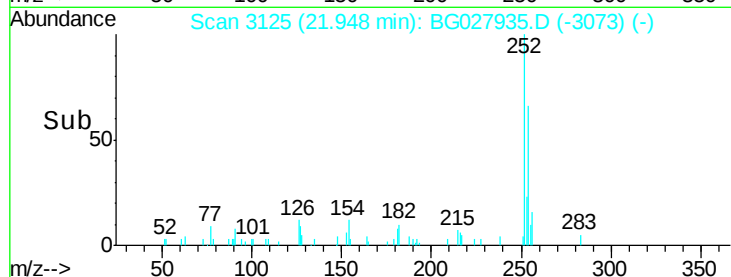
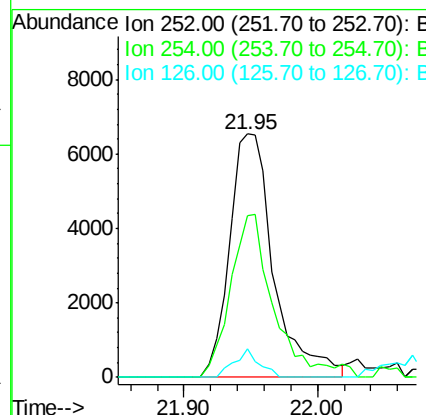
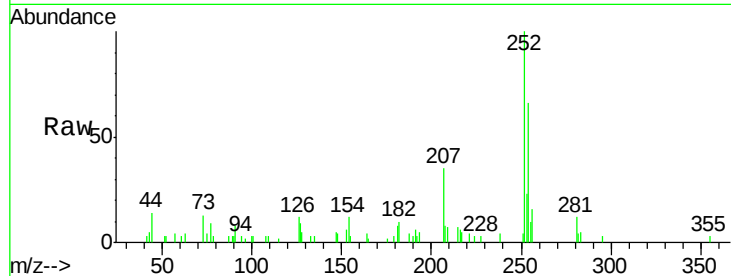




#81
 3,3'-Dichlorobenzidine
 Concen: 1.395 ng
 RT: 21.95 min Scan# 3125
 Delta R.T. 0.00 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER-05-QT3-2017

Tgt Ion:252 Resp: 15086
 Ion Ratio Lower Upper
 252 100
 254 66.5 53.1 79.7
 126 11.6 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.58 min Scan# 3743
 Delta R.T. -0.01 min
 Lab File: BG027935.D
 Acq: 14 Jul 2017 21:39

Tgt Ion:264 Resp: 459136
 Ion Ratio Lower Upper
 264 100
 260 22.6 21.8 32.8
 265 20.6 18.2 27.4

