

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG021116\
 Data File : BG020868.D
 Acq On : 11 Feb 2016 22:44
 Operator : SJ/UM
 Sample : G4825-05
 Misc : LOD 2PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Feb 12 05:15:21 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

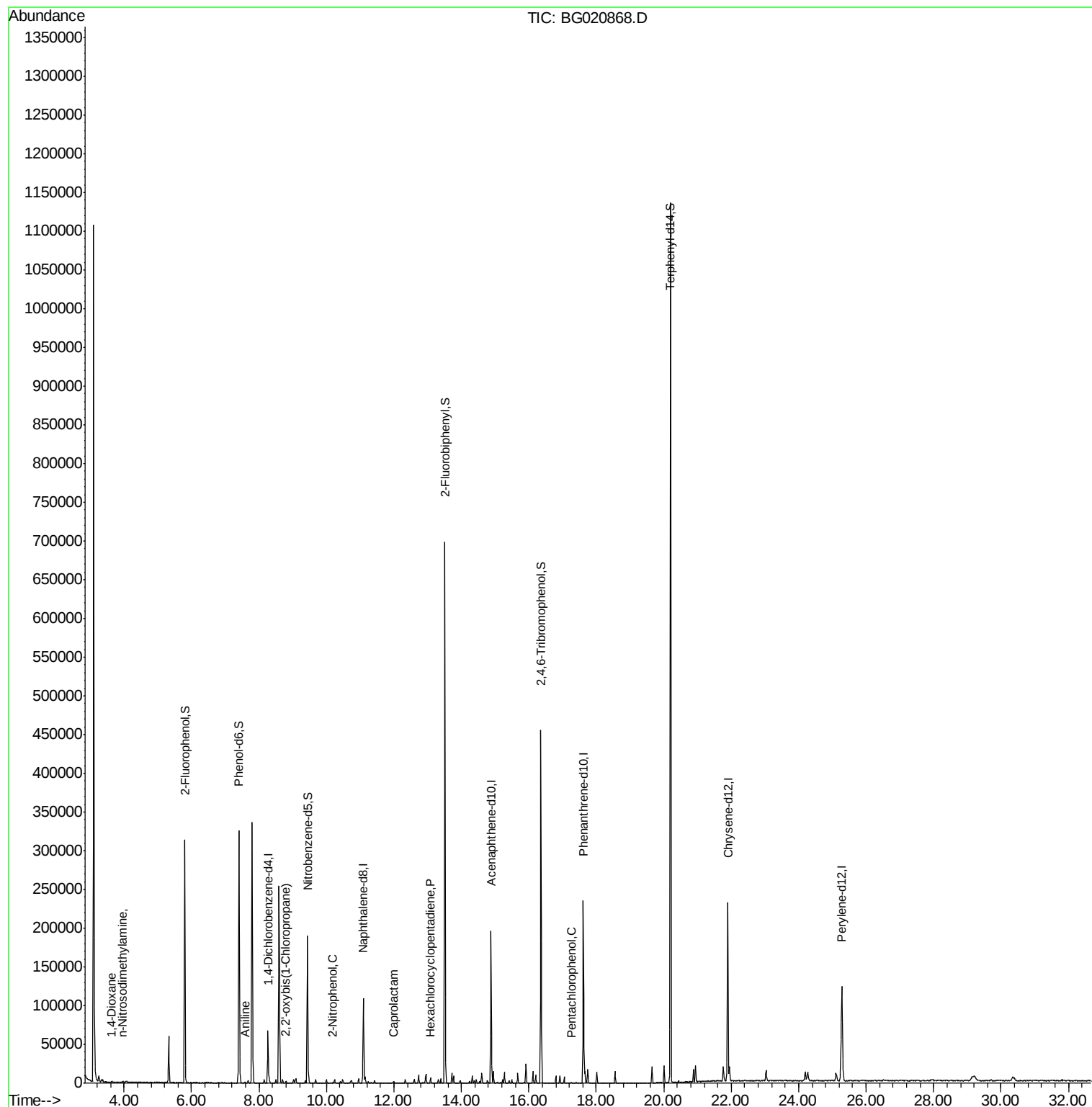
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	21917	20.00	ng	0.00
21) Naphthalene-d8	11.09	136	108075	20.00	ng	0.00
38) Acenaphthene-d10	14.88	164	67410	20.00	ng	0.00
63) Phenanthrene-d10	17.62	188	139329	20.00	ng	0.00
75) Chrysene-d12	21.90	240	134866	20.00	ng	0.00
86) Perylene-d12	25.28	264	124096	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.80	112	172398	132.47	ng	0.00
7) Phenol-d6	7.41	99	237524	124.87	ng	0.00
23) Nitrobenzene-d5	9.44	82	130626	79.47	ng	0.00
41) 2,4,6-Tribromophenol	16.36	330	85871	129.54	ng	0.00
44) 2-Fluorobiphenyl	13.51	172	368441	76.78	ng	0.00
78) Terphenyl-d14	20.20	244	487615	84.35	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.64	88	648	1.37	ng	# 59
4) n-Nitrosodimethylamine	3.97	42	409	1.12	ng	# 99
6) Aniline	7.58	93	1545	0.65	ng	# 92
16) 2,2'-oxybis(1-Chloropropan	8.80	45	2480	1.48	ng	# 91
26) 2-Nitrophenol	10.19	139	1144	1.27	ng	# 87
35) Caprolactam	11.99	113	741	1.25	ng	# 85
40) Hexachlorocyclopentadiene	13.06	237	633	0.73	ng	# 89
69) Pentachlorophenol	17.26	266	477	0.53	ng	# 52

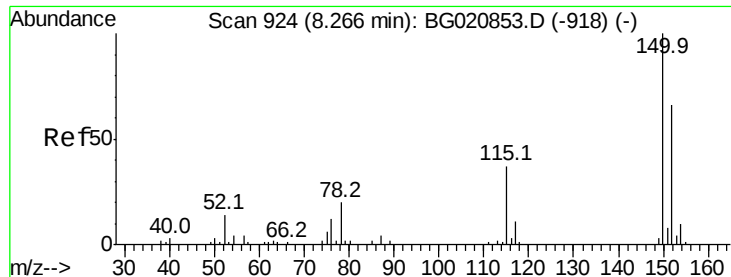
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG021116\
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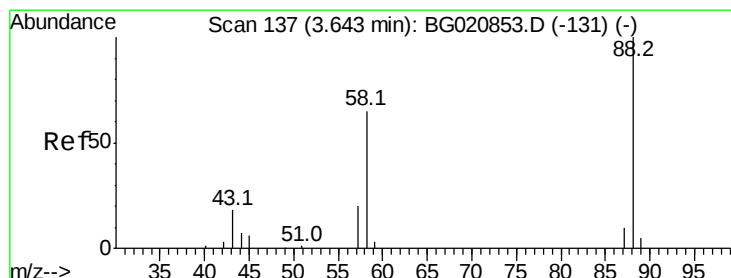
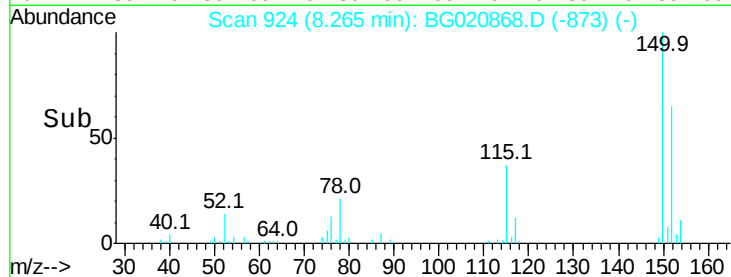
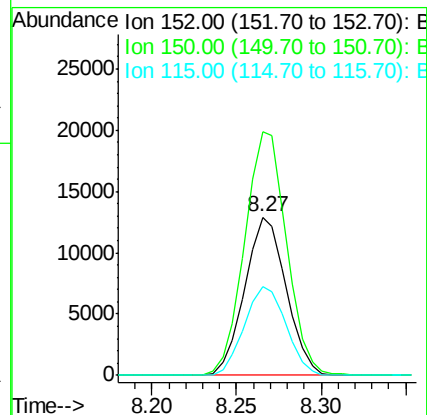
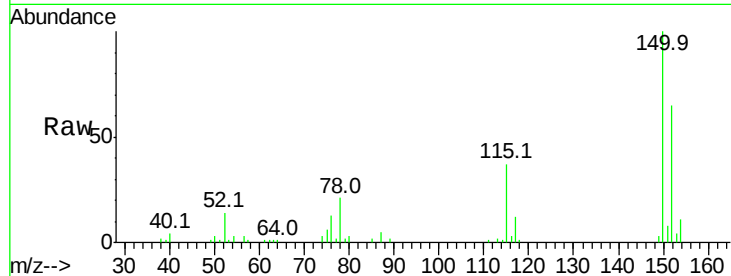


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.27 min Scan# 924
Delta R.T. -0.00 min
Lab File: BG020868.D
Acq: 11 Feb 2016 22:44

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

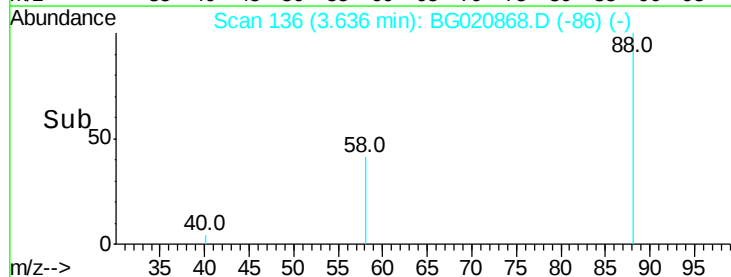
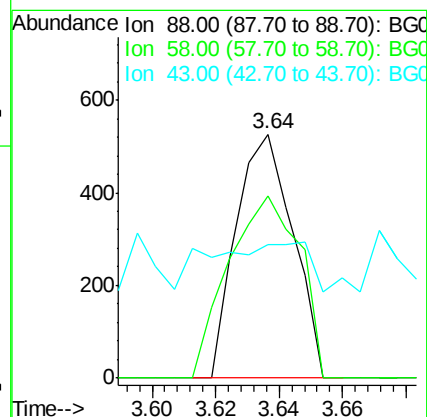
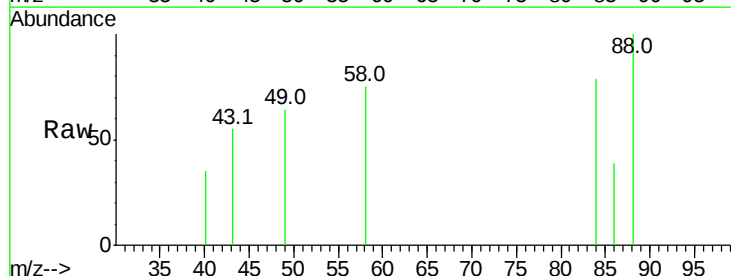
Tot Ion:152 Resp: 21917
Ion Ratio Lower Upper
152 100
150 154.2 122.0 183.0
115 56.6 45.2 67.8

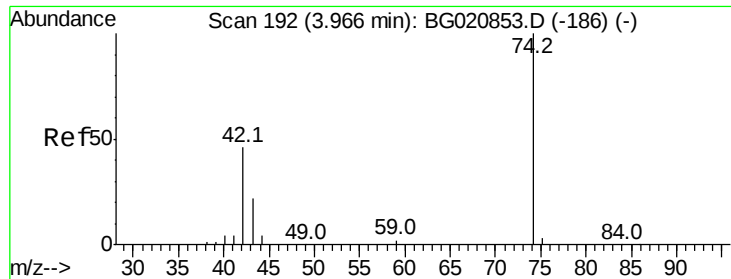


#2

1,4-Dioxane
Concen: 1.37 ng
RT: 3.64 min Scan# 136
Delta R.T. -0.01 min
Lab File: BG020868.D
Acq: 11 Feb 2016 22:44

Tgt Ion: 88 Resp: 648
Ion Ratio Lower Upper
88 100
58 94.3 50.3 75.5#
43 37.7 14.5 21.7#



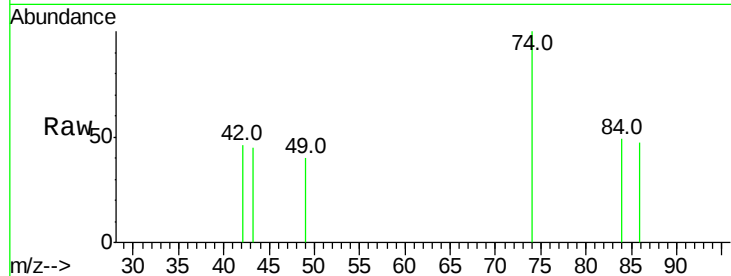


#4

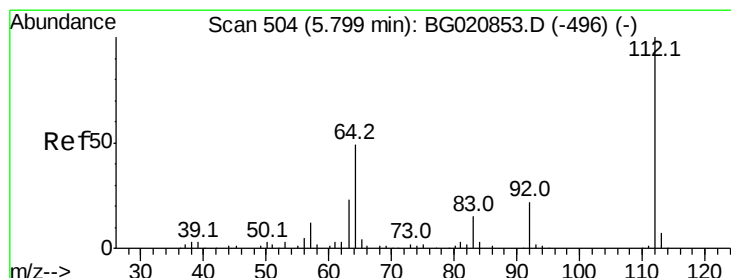
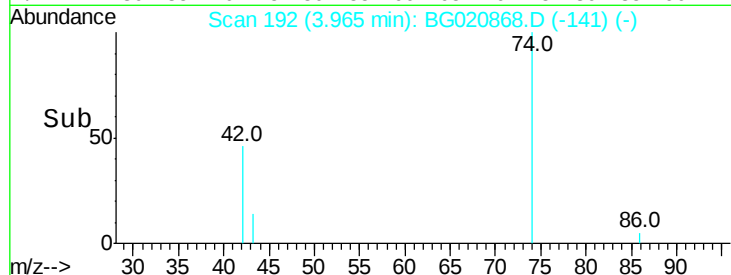
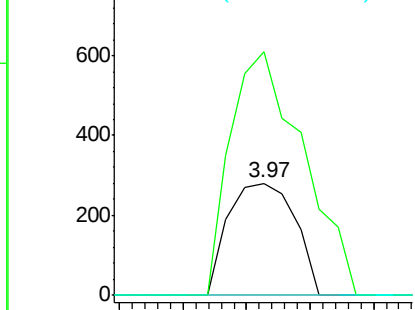
n-Nitrosodimethylamine
 Concen: 1.12 ng
 RT: 3.97 min Scan# 192
 Delta R.T. -0.00 min
 Lab File: BG020868.D
 Acq: 11 Feb 2016 22:44

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Tot Ion: 42 Resp: 409
 Ion Ratio Lower Upper
 42 100
 74 216.7 173.8 260.6
 44 0.0 6.3 9.5#



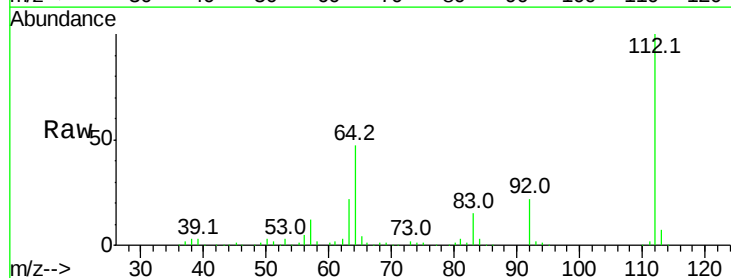
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



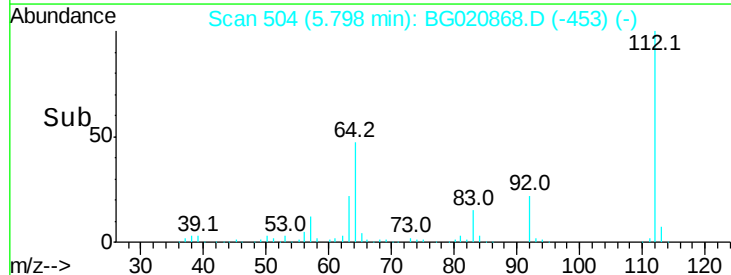
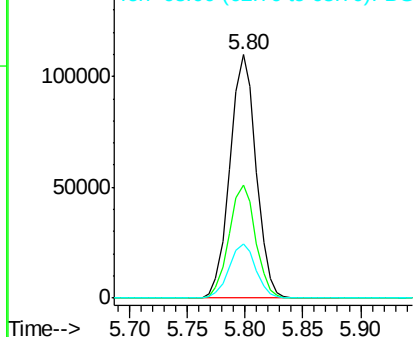
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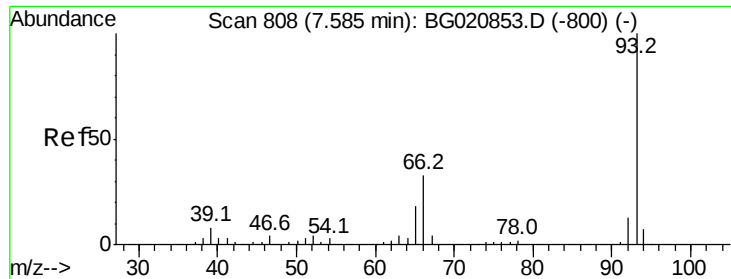
2-Fluorophenol
 Concen: 132.47 ng
 RT: 5.80 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: BG020868.D
 Acq: 11 Feb 2016 22:44

Tgt Ion: 112 Resp: 172398
 Ion Ratio Lower Upper
 112 100
 64 46.6 39.3 58.9
 63 22.5 18.2 27.4



Abundance Ion 112.00 (111.70 to 112.70): BGC
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.65 ng

RT: 7.58 min Scan# 807

Delta R.T. -0.01 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

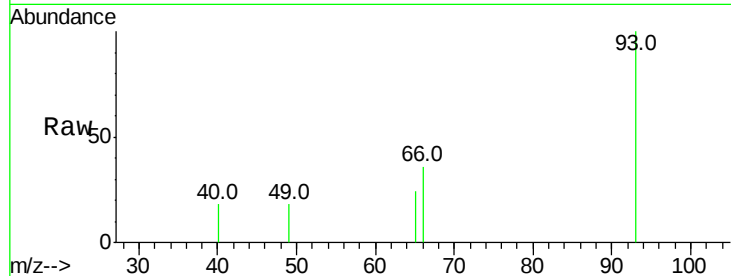
Tot Ion: 93 Resp: 1545

Ion Ratio Lower Upper

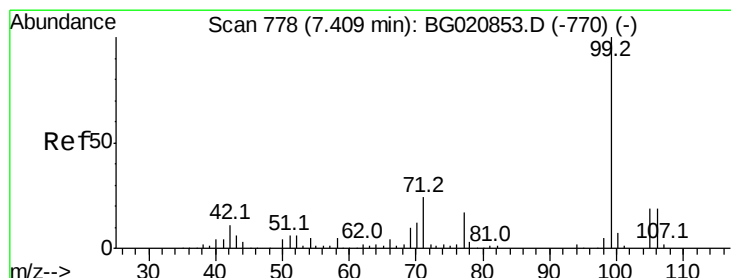
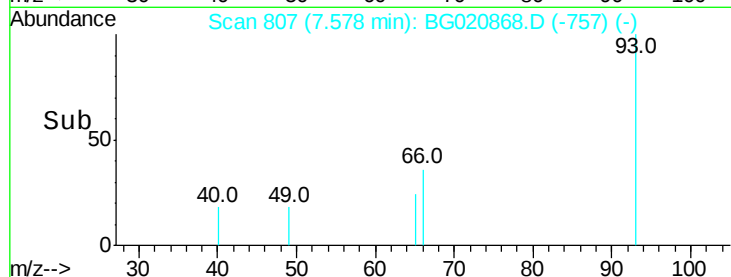
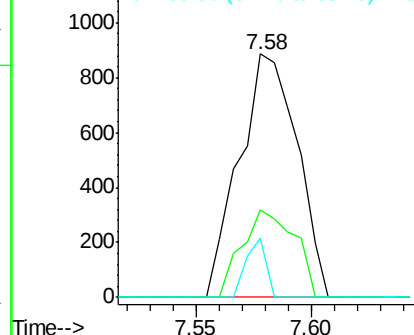
93 100

66 35.7 26.6 40.0

65 24.5 14.0 21.0#



Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 66.00 (65.70 to 66.70): BGC
Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 124.87 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

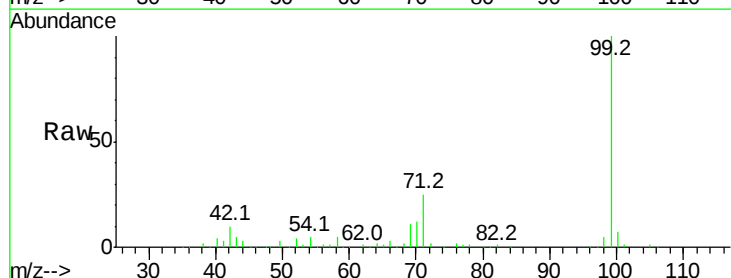
Tgt Ion: 99 Resp: 237524

Ion Ratio Lower Upper

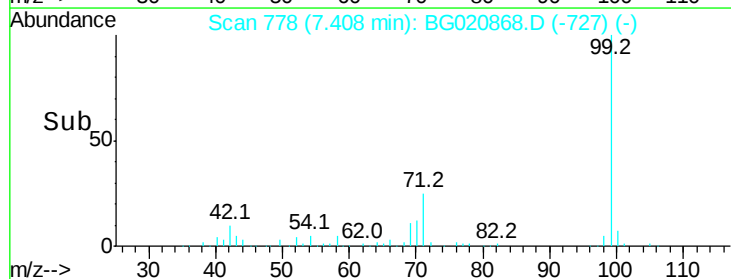
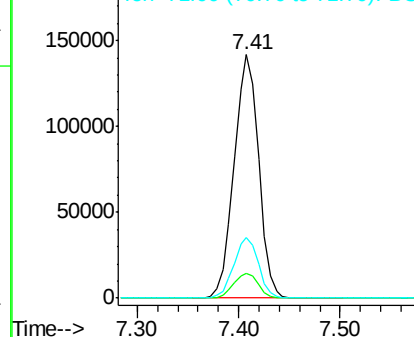
99 100

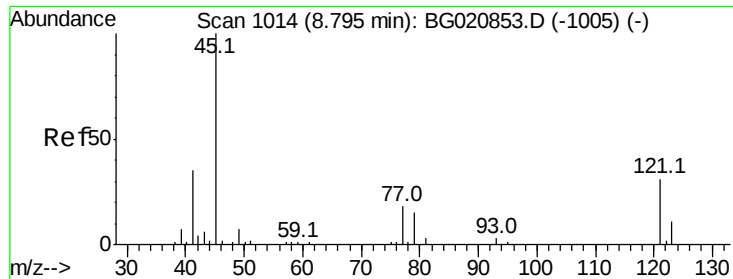
42 10.2 8.4 12.6

71 24.7 19.4 29.0



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

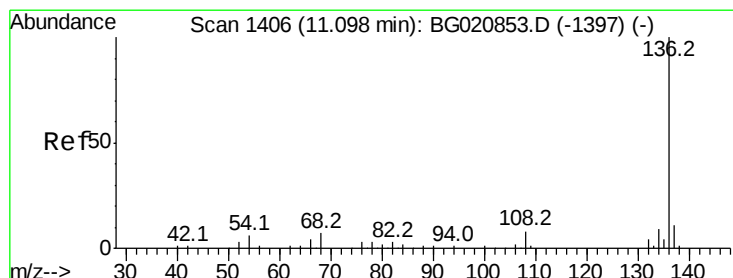
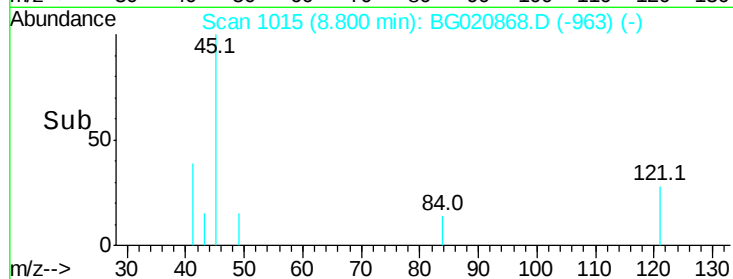
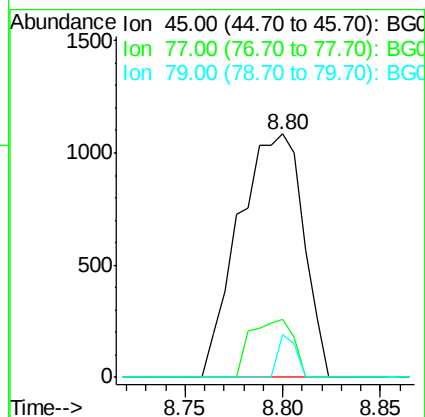
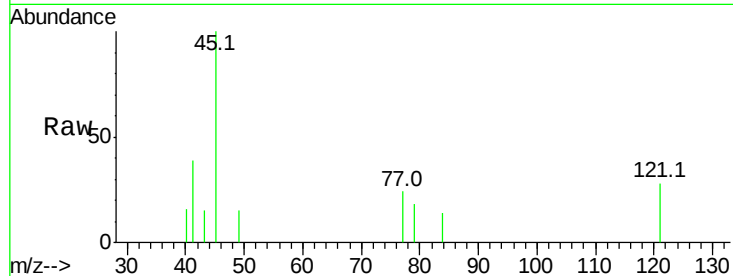




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 1.48 ng
RT: 8.80 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BG020868.D
Acq: 11 Feb 2016 22:44

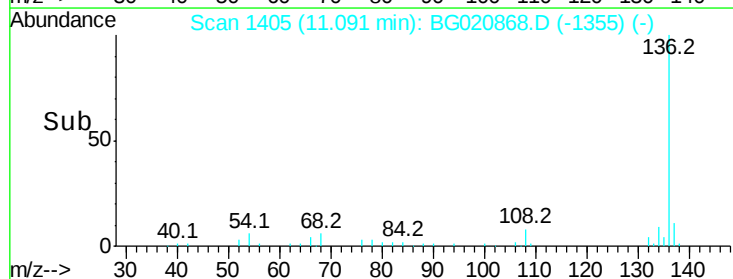
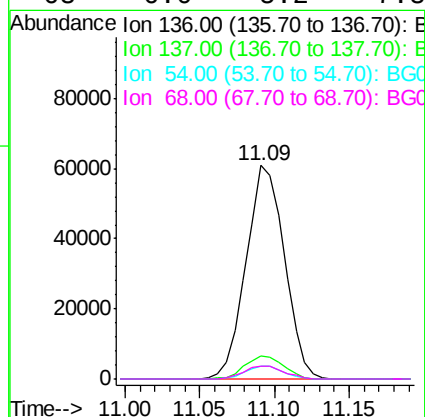
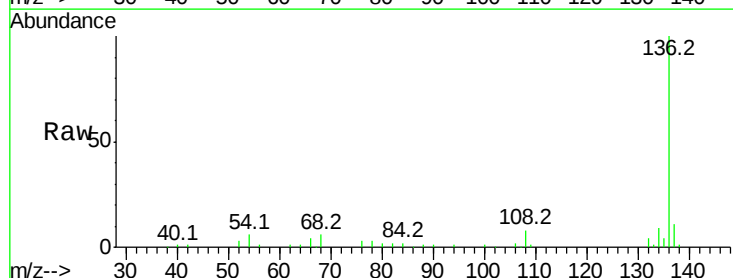
Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

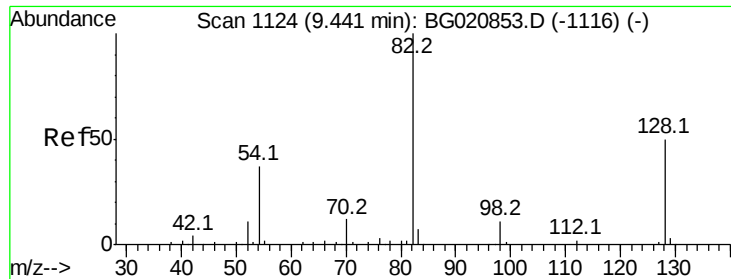
Tot Ion: 45 Resp: 2480
Ion Ratio Lower Upper
45 100
77 23.7 0.0 38.5
79 17.6 0.0 34.9



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.09 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BG020868.D
Acq: 11 Feb 2016 22:44

Tgt Ion: 136 Resp: 108075
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 5.8 5.0 7.4
68 6.0 5.2 7.8

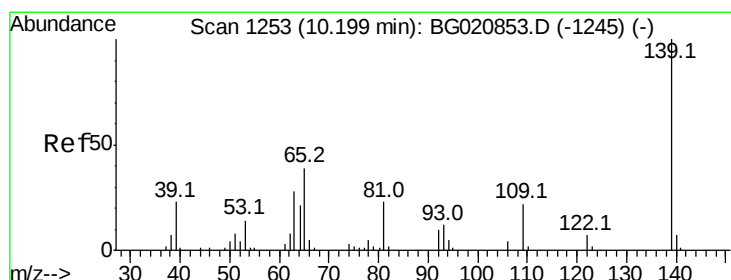
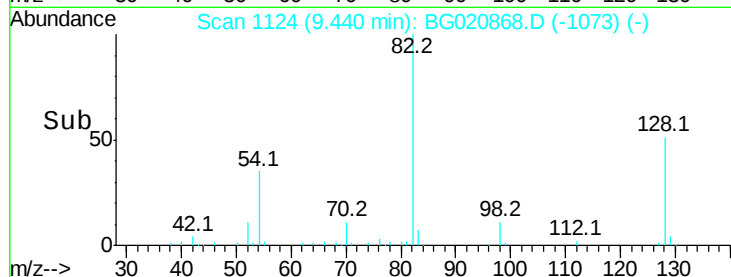
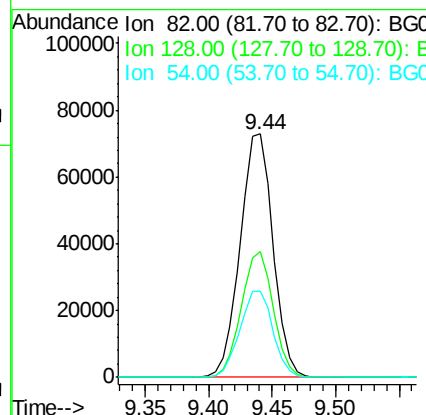
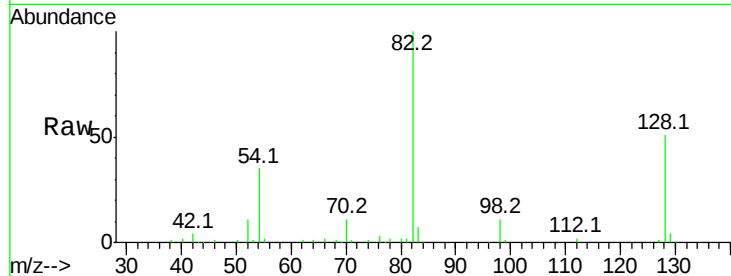




#23
 Nitrobenzene-d5
 Concen: 79.47 ng
 RT: 9.44 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BG020868.D
 Acq: 11 Feb 2016 22:44

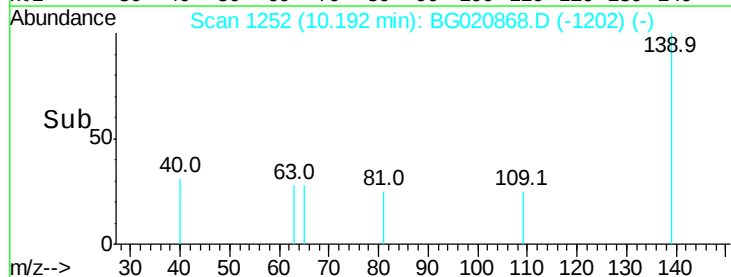
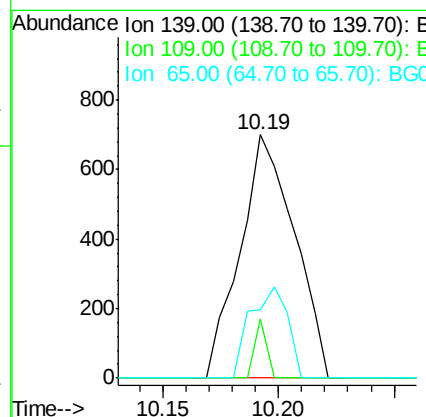
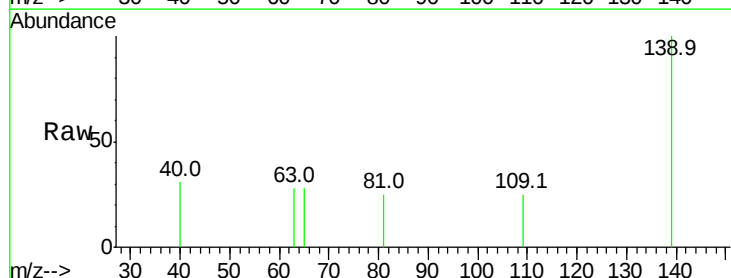
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

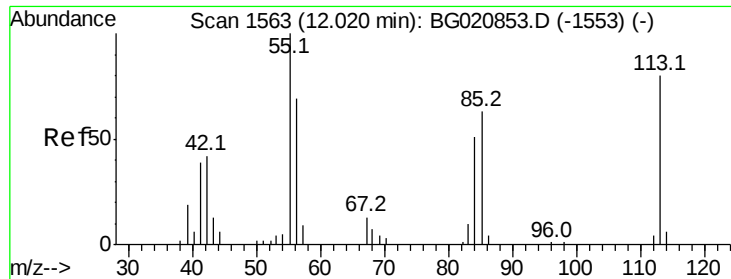
Tot Ion	82	Resp	130626
Ion Ratio	100	Lower	Upper
128	51.5	40.1	60.1
54	35.3	29.5	44.3



#26
 2-Nitrophenol
 Concen: 1.27 ng
 RT: 10.19 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: BG020868.D
 Acq: 11 Feb 2016 22:44

Tgt Ion	139	Resp	1144
Ion Ratio	100	Lower	Upper
109	24.5	17.6	26.4
65	28.1	31.0	46.6





#35

Caprolactam

Concen: 1.25 ng

RT: 11.99 min Scan# 1558

Delta R.T. -0.03 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

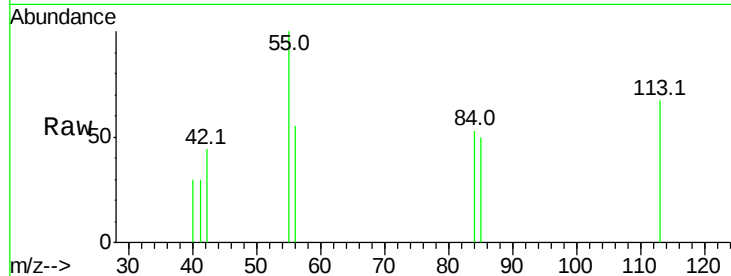
Tot Ion:113 Resp: 741

Ion Ratio Lower Upper

113 100

55 150.0 104.4 144.4#

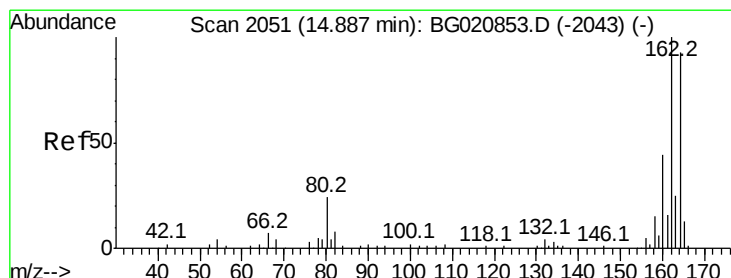
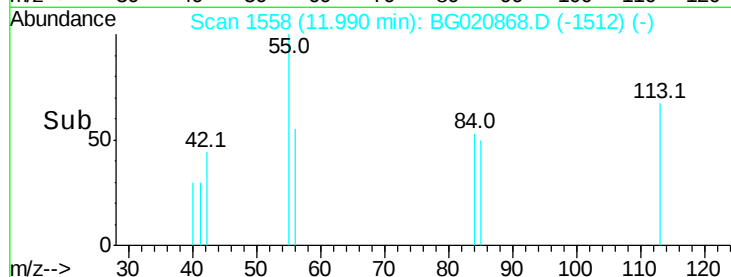
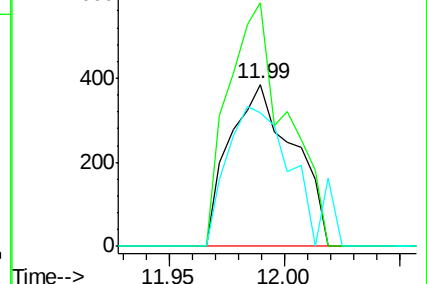
56 82.1 65.4 105.4



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG

Ion 56.00 (55.70 to 56.70): BG



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

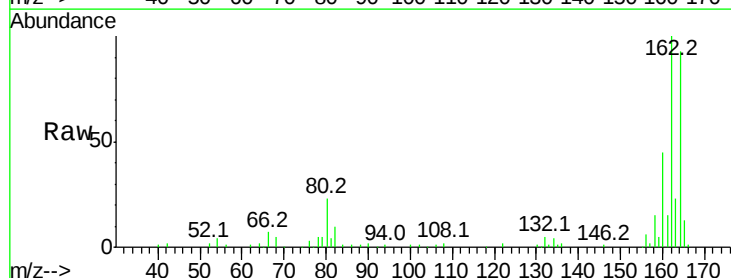
Tgt Ion:164 Resp: 67410

Ion Ratio Lower Upper

164 100

162 107.0 85.7 128.5

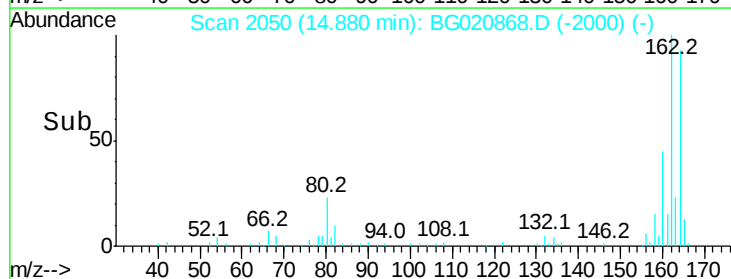
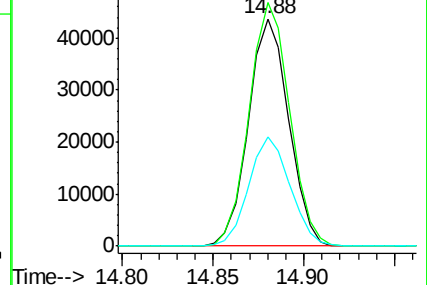
160 48.2 37.4 56.0

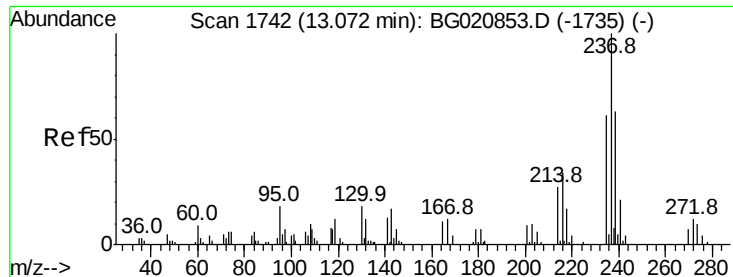


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#40

Hexachlorocyclopentadiene

Concen: 0.73 ng

RT: 13.06 min Scan# 1741

Delta R.T. -0.01 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

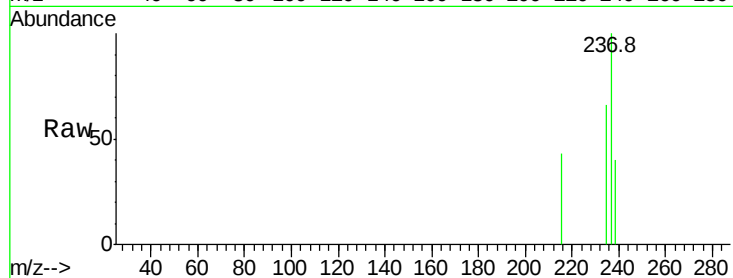
Tot Ion:237 Resp: 633

Ion Ratio Lower Upper

237 100

235 65.8 40.8 80.8

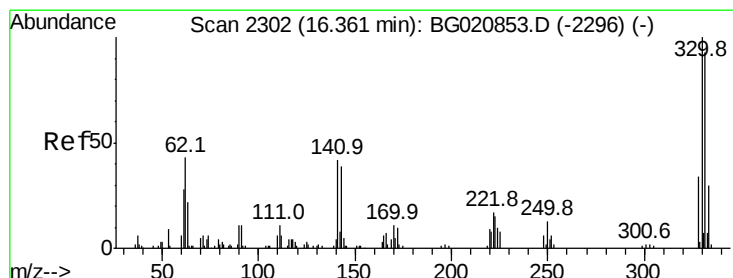
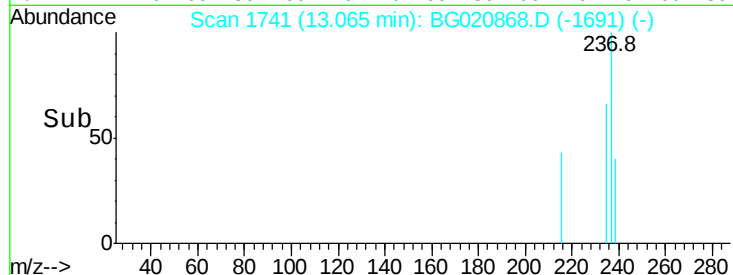
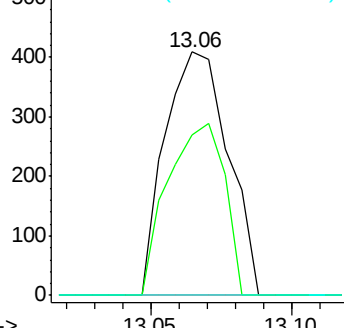
272 0.0 0.0 32.3



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 129.54 ng

RT: 16.36 min Scan# 2302

Delta R.T. -0.00 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

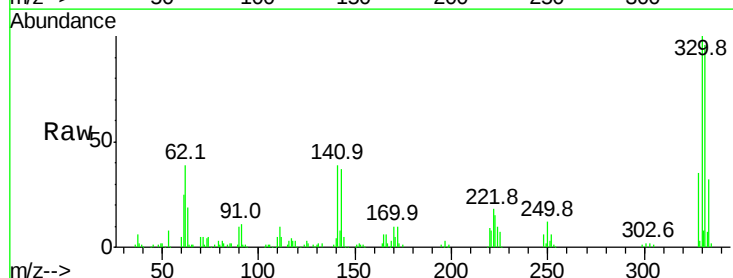
Tgt Ion:330 Resp: 85871

Ion Ratio Lower Upper

330 100

332 96.7 76.1 114.1

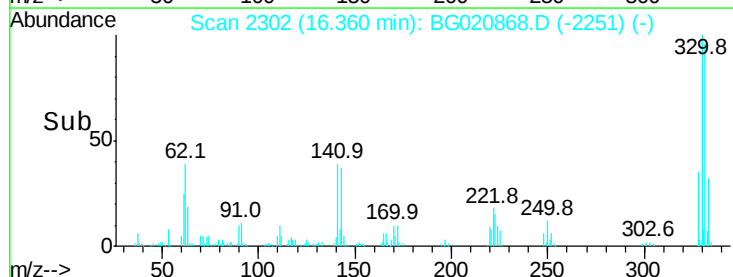
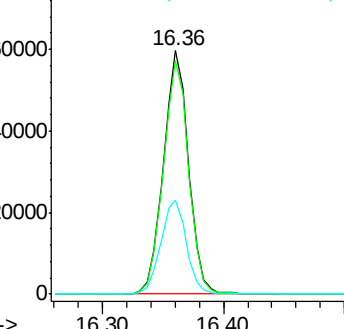
141 39.0 32.0 48.0

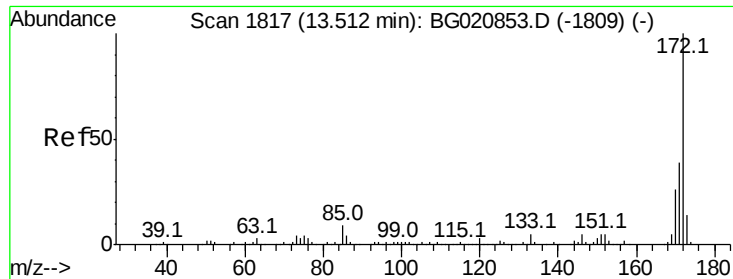


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

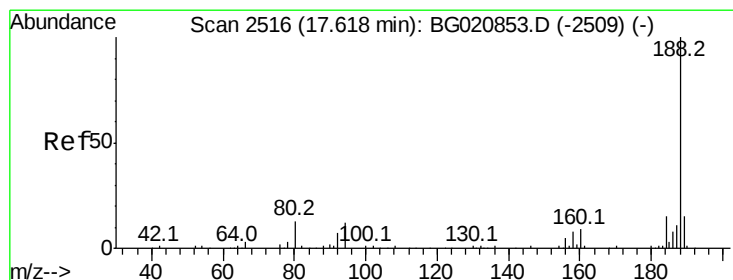
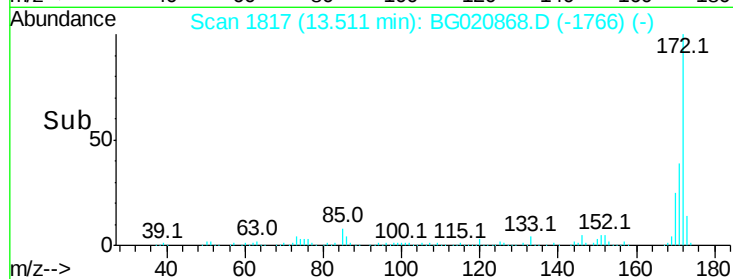
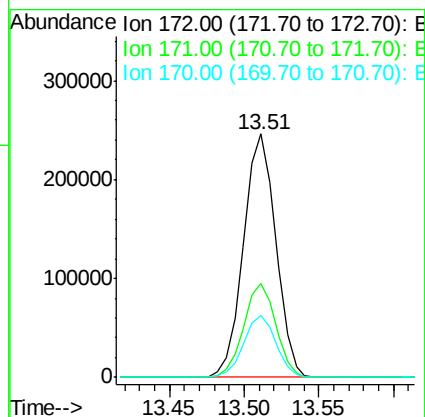
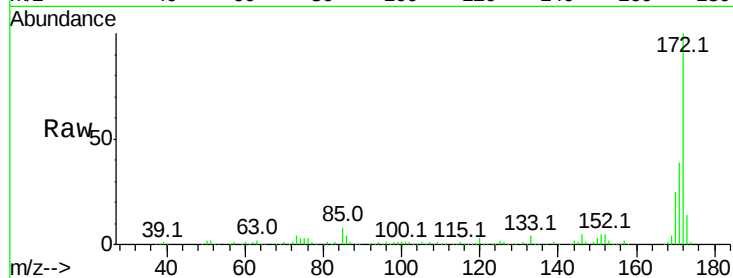




#44
 2-Fluorobiphenyl
 Concen: 76.78 ng
 RT: 13.51 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BG020868.D
 Acq: 11 Feb 2016 22:44

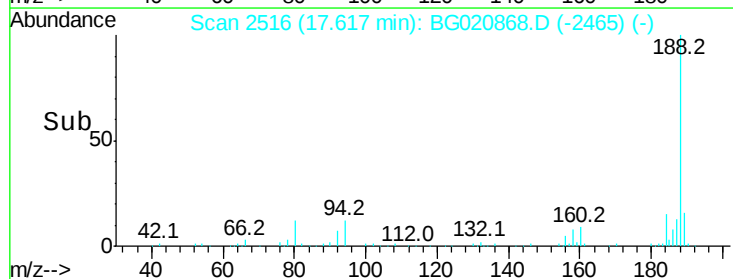
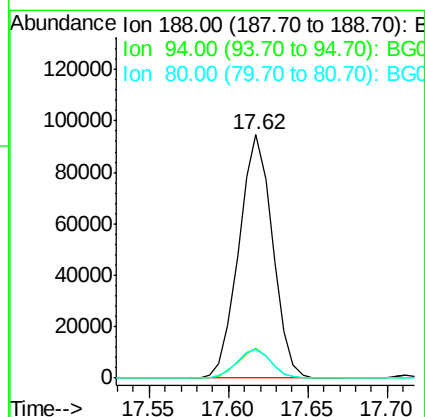
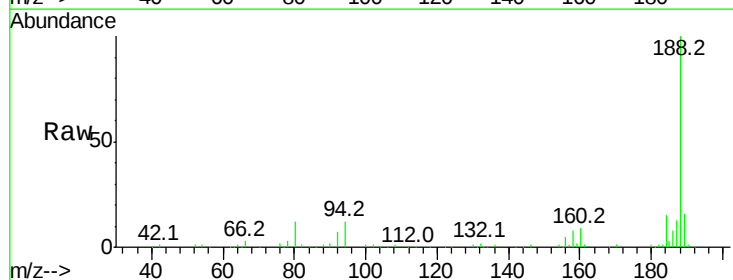
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

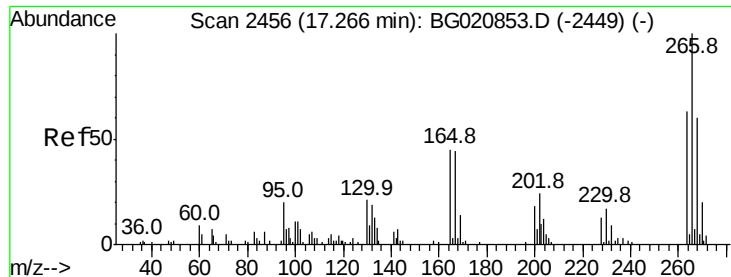
Tot Ion:172 Resp: 368441
 Ion Ratio Lower Upper
 172 100
 171 38.5 31.2 46.8
 170 25.3 20.6 30.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.62 min Scan# 2516
 Delta R.T. -0.00 min
 Lab File: BG020868.D
 Acq: 11 Feb 2016 22:44

Tgt Ion:188 Resp: 139329
 Ion Ratio Lower Upper
 188 100
 94 12.1 9.4 14.0
 80 11.8 10.2 15.4





#69

Pentachlorophenol

Concen: 0.53 ng

RT: 17.26 min Scan# 2456

Delta R.T. -0.00 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

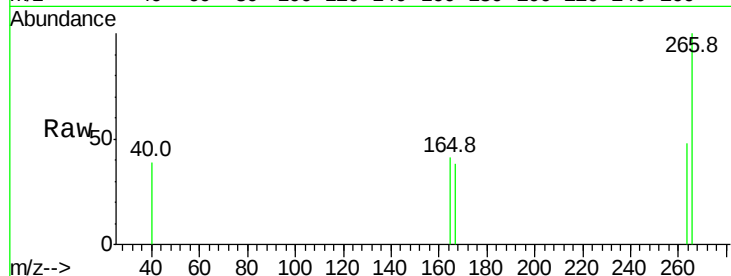
Tot Ion:266 Resp: 477

Ion Ratio Lower Upper

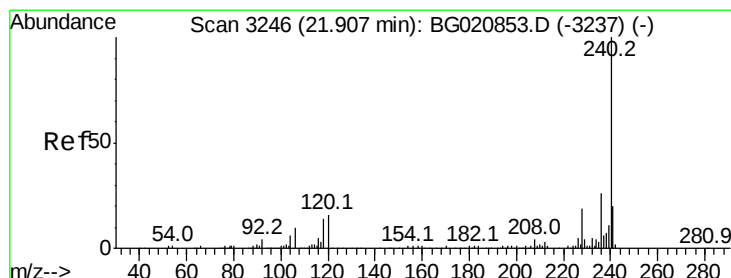
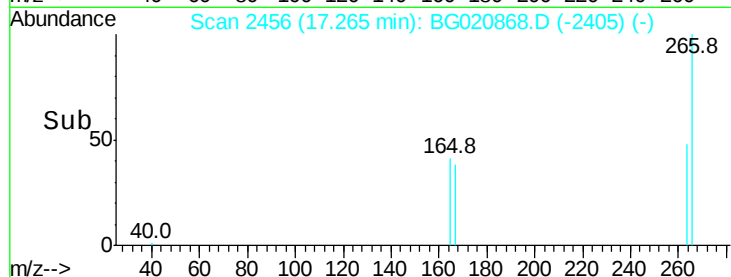
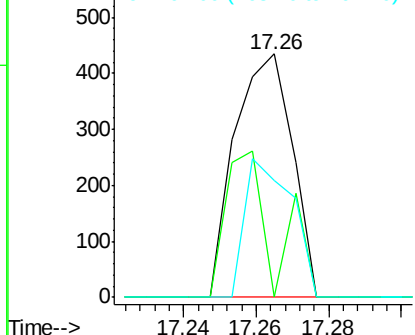
266 100

268 0.0 47.8 71.6#

264 48.0 50.2 75.4#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3245

Delta R.T. -0.01 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

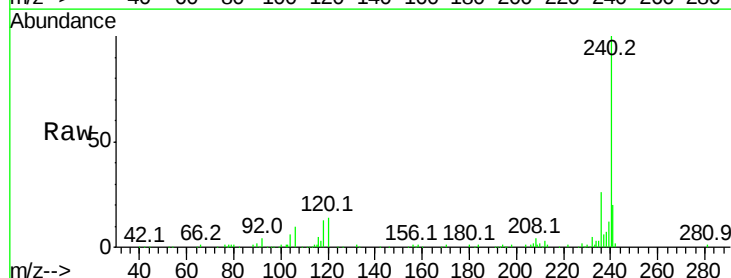
Tgt Ion:240 Resp: 134866

Ion Ratio Lower Upper

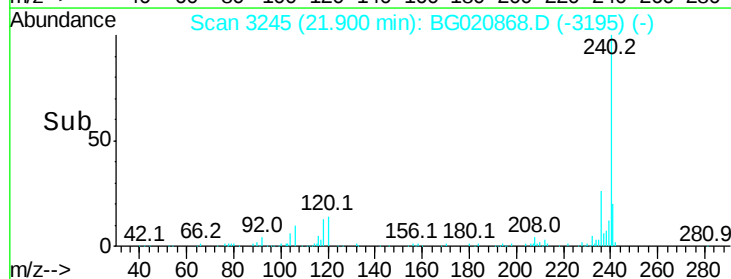
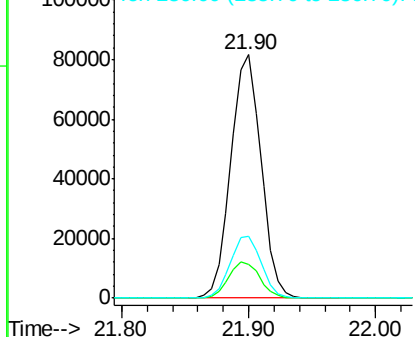
240 100

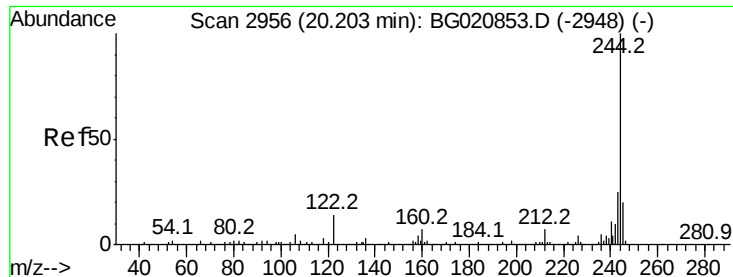
120 14.1 13.0 19.4

236 25.5 21.0 31.4



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: 84.35 ng

RT: 20.20 min Scan# 2956

Delta R.T. -0.00 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

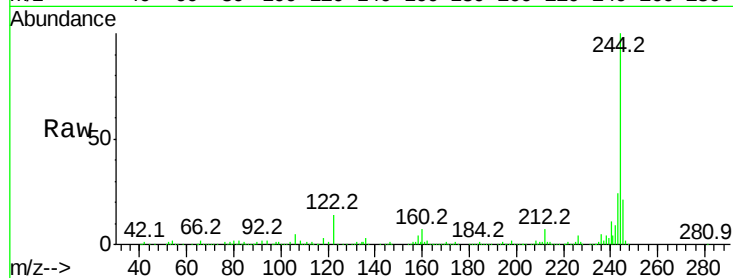
Tot Ion:244 Resp: 487615

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

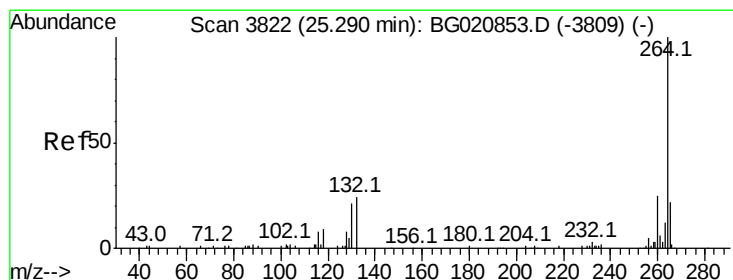
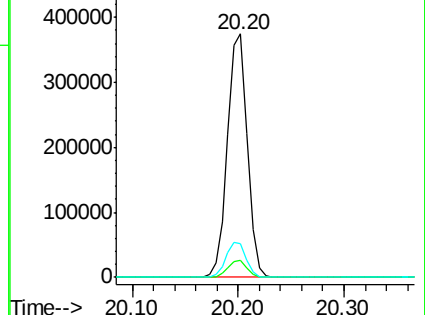
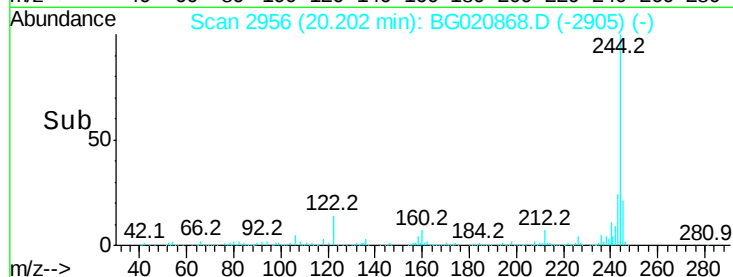
122 14.0 11.4 17.2



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: 20.00 ng

RT: 25.28 min Scan# 3820

Delta R.T. -0.01 min

Lab File: BG020868.D

Acq: 11 Feb 2016 22:44

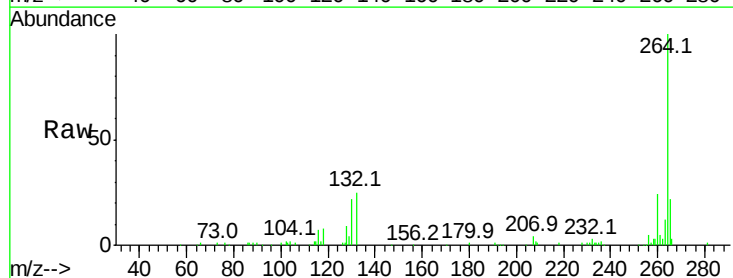
Tgt Ion:264 Resp: 124096

Ion Ratio Lower Upper

264 100

260 24.4 19.9 29.9

265 21.7 18.0 27.0



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

