

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
 Data File : BG021743.D
 Acq On : 18 Apr 2016 18:18
 Operator : UM/SJ
 Sample : H1824-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Apr 19 04:03:58 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	32805	20.00	ng	-0.01
21) Naphthalene-d8	11.02	136	141208	20.00	ng	-0.01
38) Acenaphthene-d10	14.82	164	87220	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	180081	20.00	ng	-0.01
75) Chrysene-d12	21.82	240	215000	20.00	ng	-0.01
86) Perylene-d12	25.16	264	207512	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	283600	143.96	ng	0.00
7) Phenol-d6	7.36	99	398079	135.28	ng	0.00
23) Nitrobenzene-d5	9.38	82	241135	87.77	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	130635	138.97	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	559152	93.93	ng	-0.01
78) Terphenyl-d14	20.14	244	753674	87.47	ng	-0.01

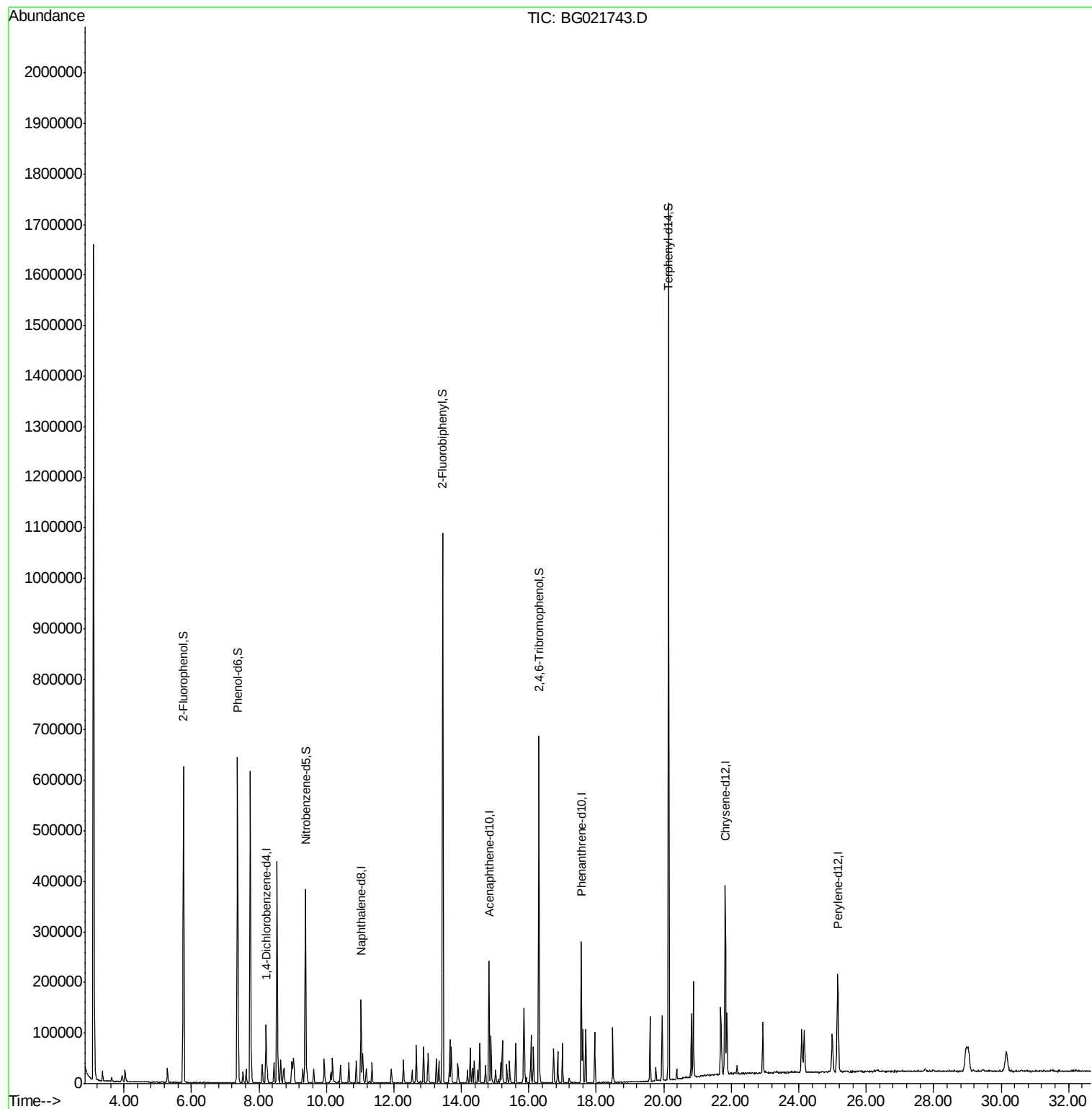
Target Compounds Qvalue

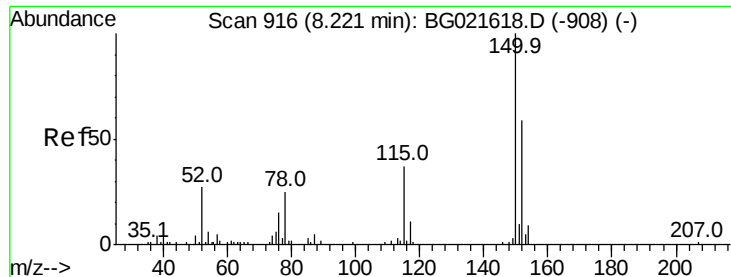
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

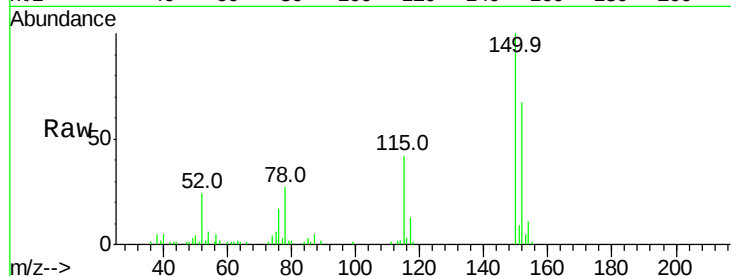
Tot Ion:152 Resp: 32805

Ion Ratio Lower Upper

152 100

150 150.2 130.1 195.1

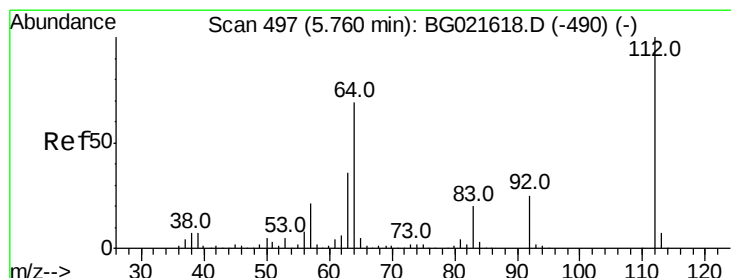
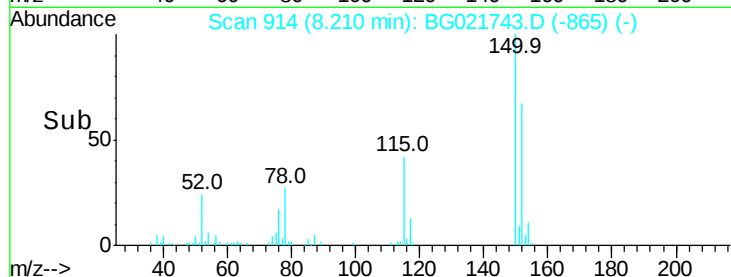
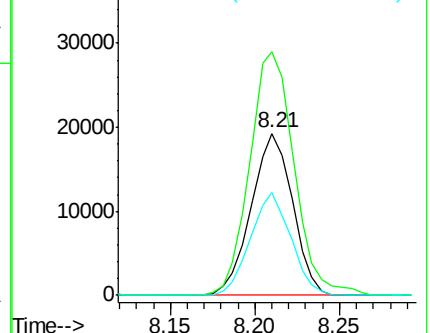
115 63.2 62.2 93.2



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



#5

2-Fluorophenol

Concen: 143.96 ng

RT: 5.76 min Scan# 497

Delta R.T. 0.00 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

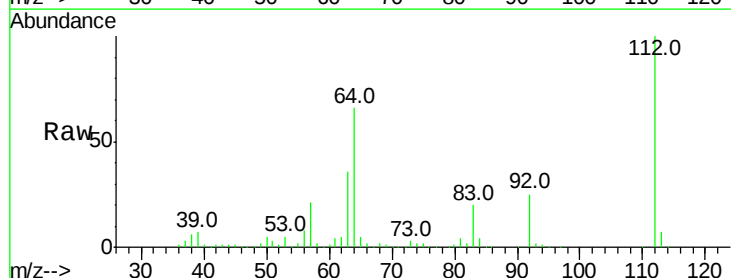
Tgt Ion:112 Resp: 283600

Ion Ratio Lower Upper

112 100

64 66.1 51.1 76.7

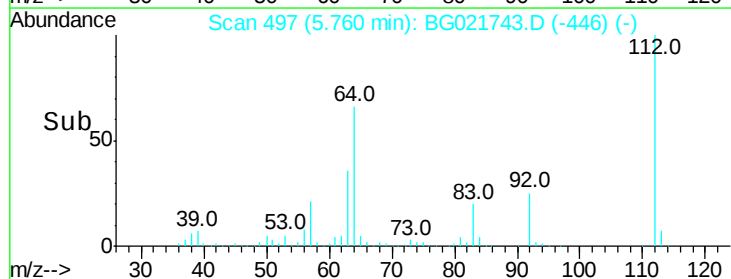
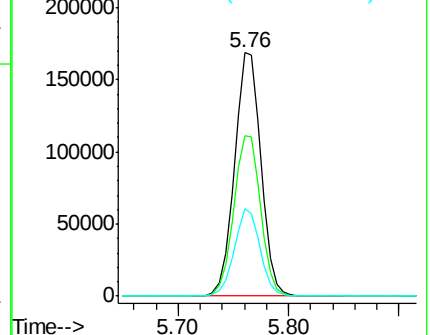
63 35.7 24.6 37.0

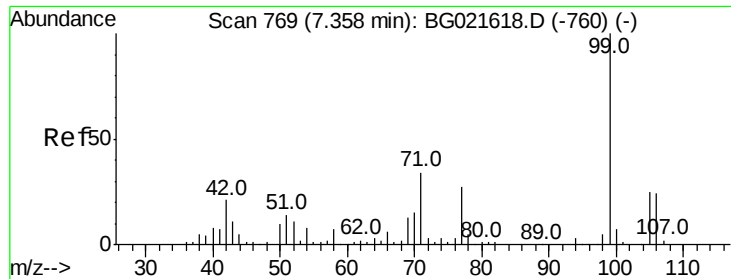


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 135.28 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

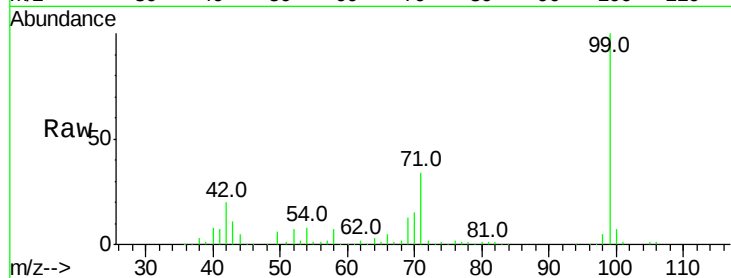
Tot Ion: 99 Resp: 398079

Ion Ratio Lower Upper

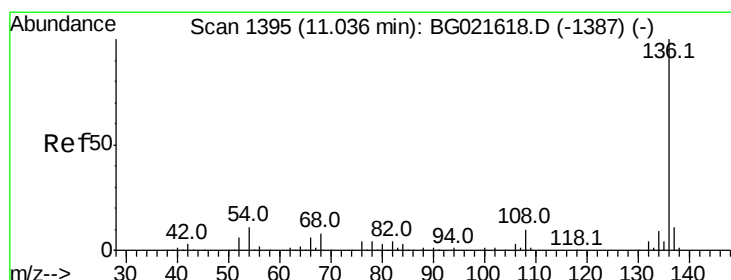
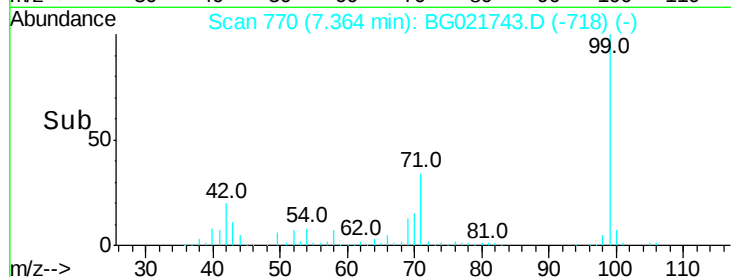
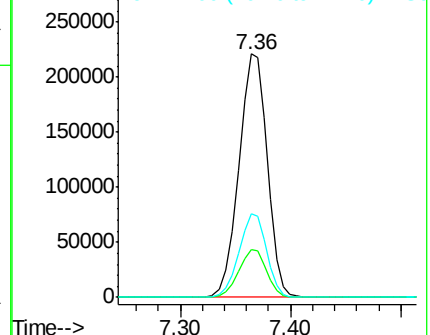
99 100

42 19.6 16.4 24.6

71 34.3 25.0 37.4



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: 20.00 ng

RT: 11.02 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

Tgt Ion: 136 Resp: 141208

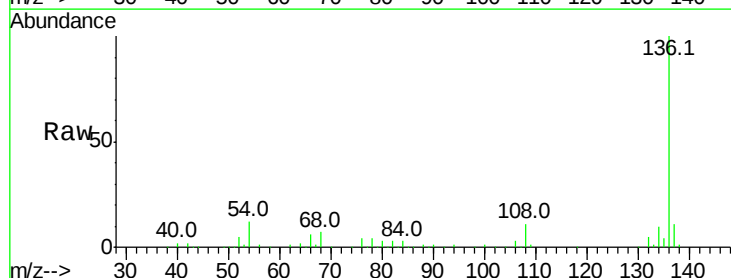
Ion Ratio Lower Upper

136 100

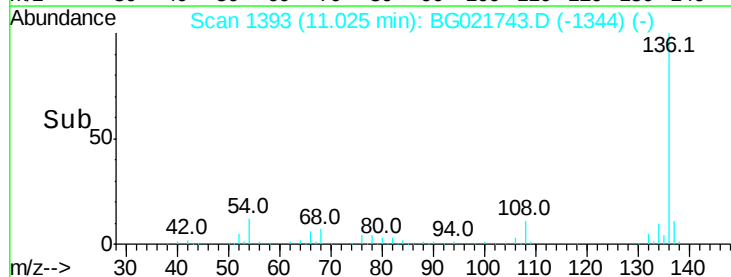
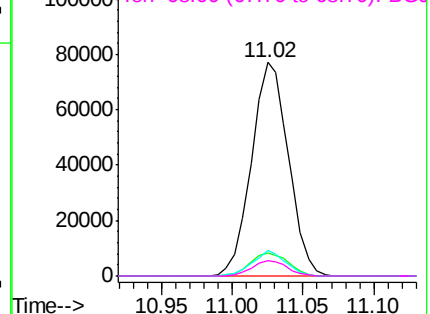
137 10.7 9.0 13.4

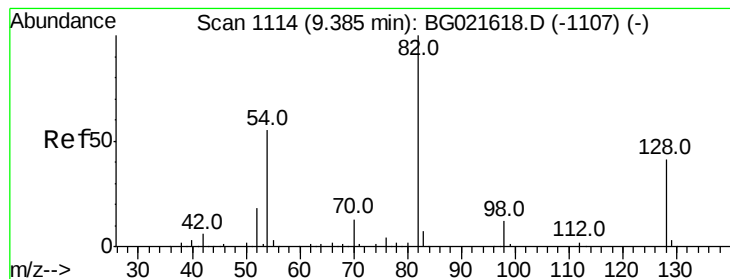
54 11.8 9.6 14.4

68 7.2 6.4 9.6



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: 87.77 ng

RT: 9.38 min Scan# 1113

Delta R.T. -0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

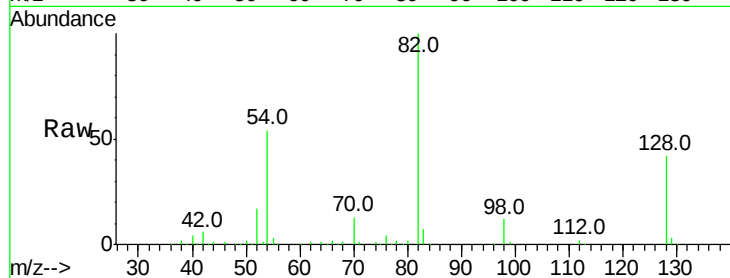
Tot Ion: 82 Resp: 241135

Ion Ratio Lower Upper

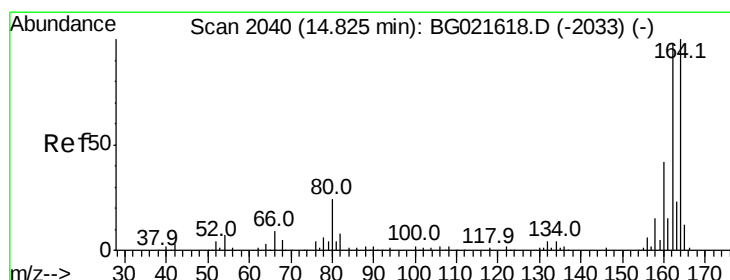
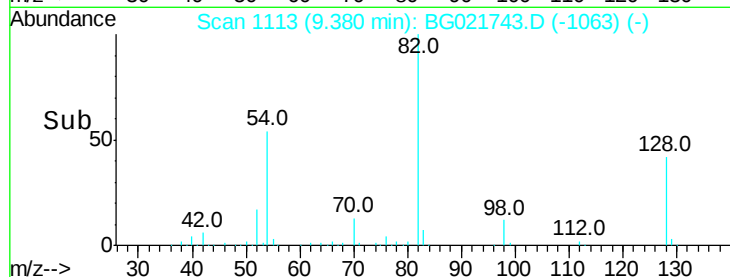
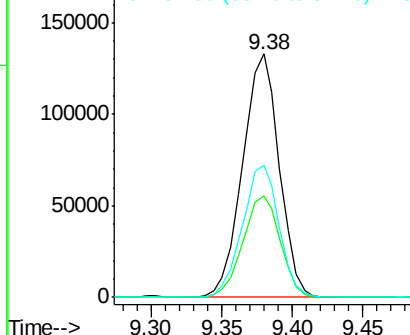
82 100

128 41.8 33.4 50.0

54 54.1 46.1 69.1



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

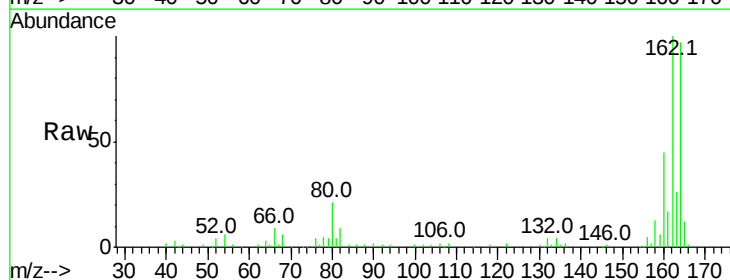
Tgt Ion:164 Resp: 87220

Ion Ratio Lower Upper

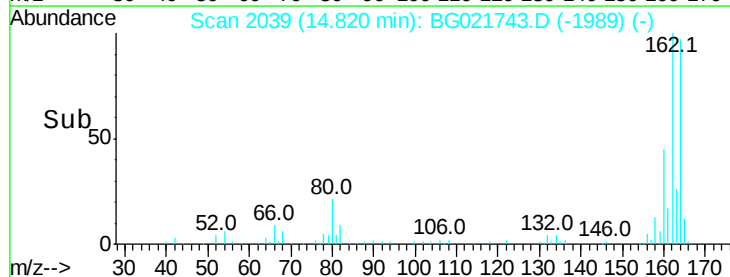
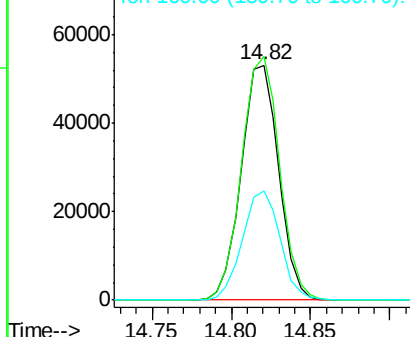
164 100

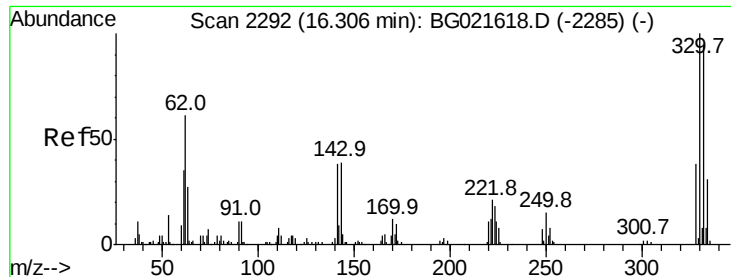
162 103.5 78.0 117.0

160 46.4 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 138.97 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

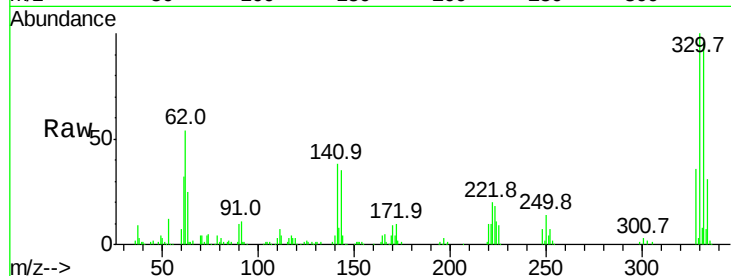
Tot Ion:330 Resp: 130635

Ion Ratio Lower Upper

330 100

332 95.6 78.0 117.0

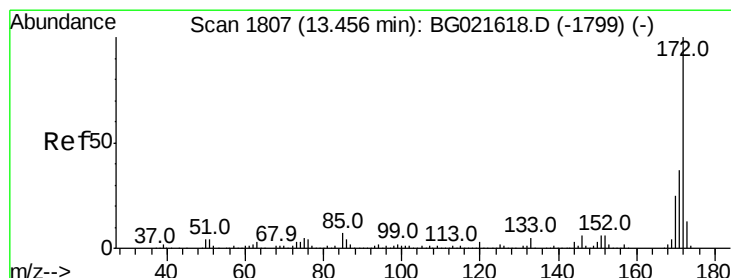
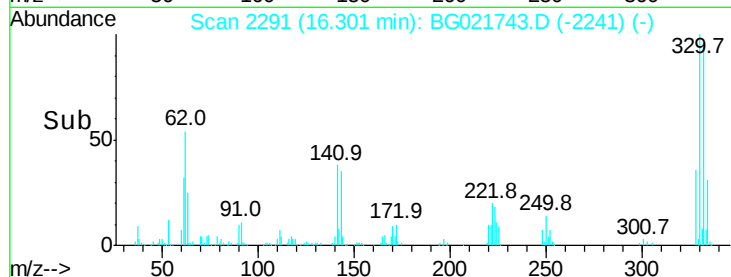
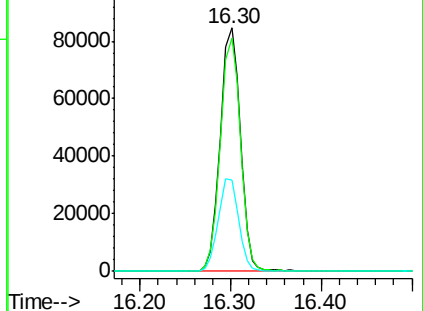
141 38.3 33.8 50.8



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: 93.93 ng

RT: 13.45 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

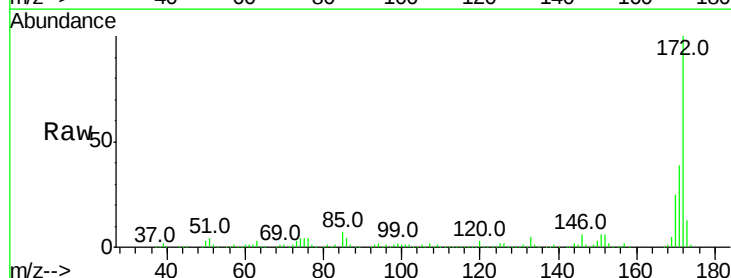
Tgt Ion:172 Resp: 559152

Ion Ratio Lower Upper

172 100

171 38.7 27.8 41.6

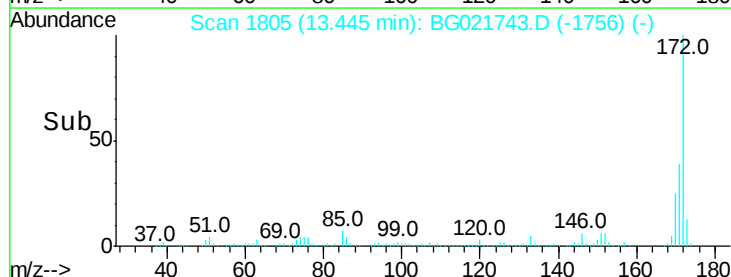
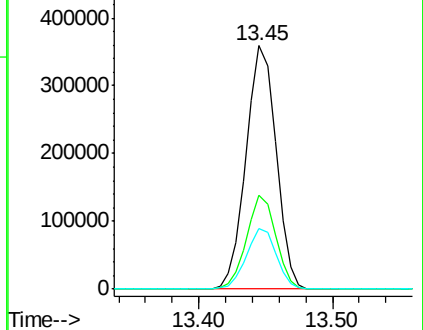
170 25.1 19.6 29.4

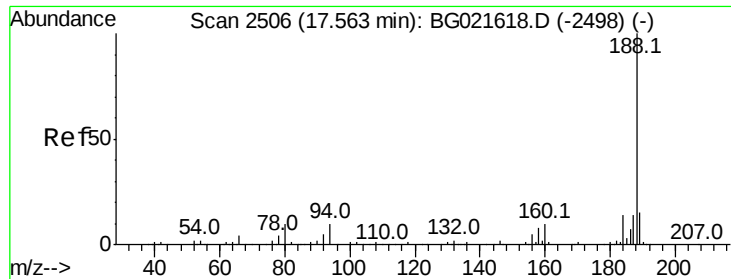


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

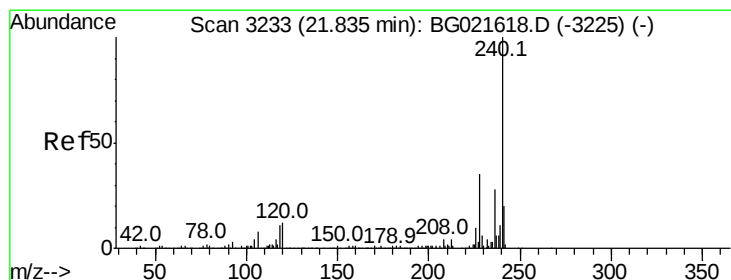
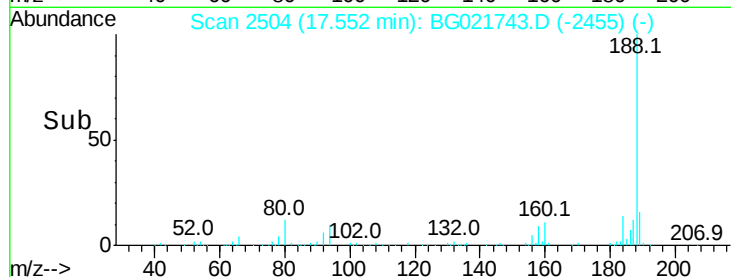
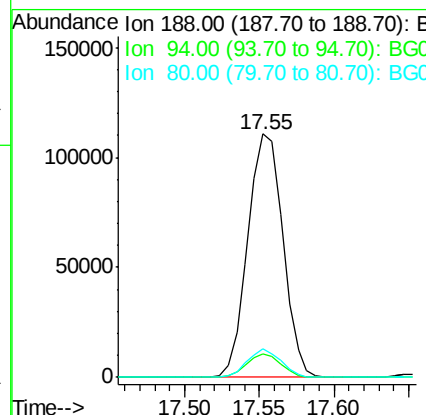
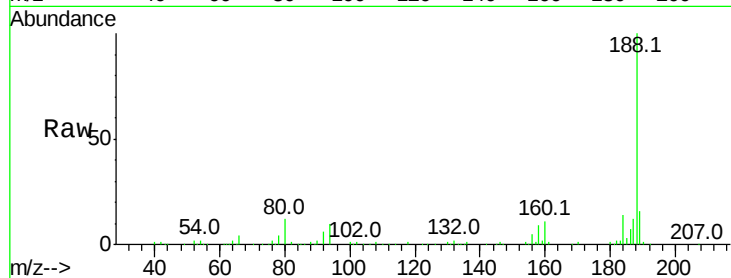




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.55 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: BG021743.D
 Acq: 18 Apr 2016 18:18

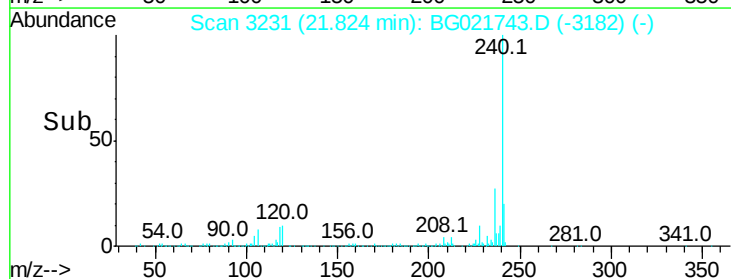
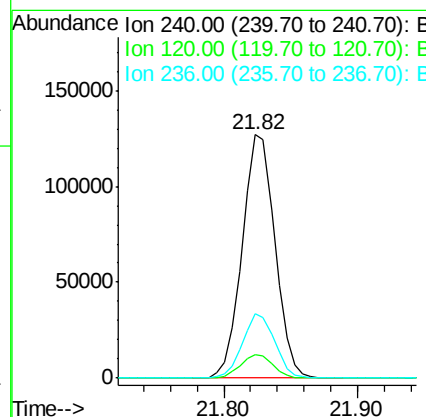
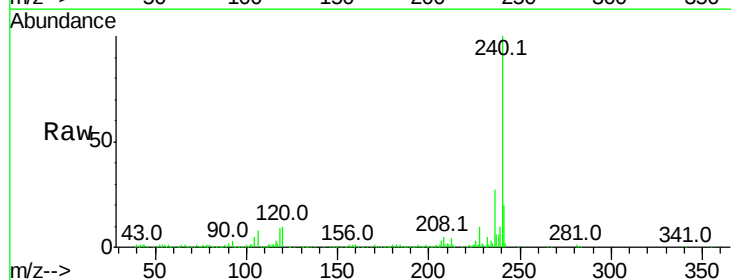
Instrument :
 BNA_G
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 LOD-WATER2016-01

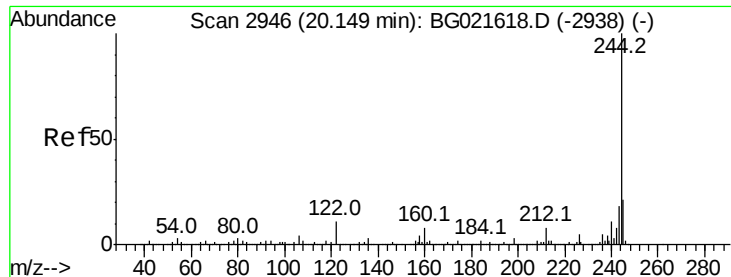
Tot Ion:188 Resp: 180081
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.5 11.3
 80 11.6 8.6 13.0



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.82 min Scan# 3231
 Delta R.T. -0.01 min
 Lab File: BG021743.D
 Acq: 18 Apr 2016 18:18

Tgt Ion:240 Resp: 215000
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.4 12.6
 236 26.6 19.6 29.4





#78

Terphenyl-d14

Concen: 87.47 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

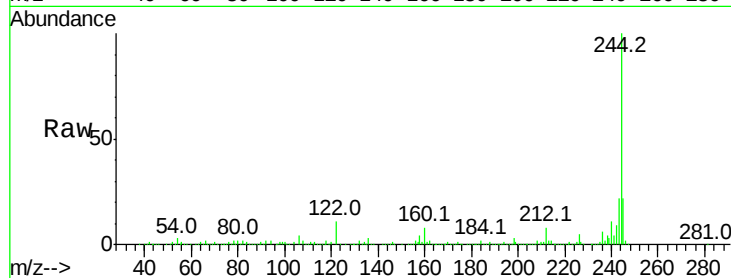
Tot Ion:244 Resp: 753674

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

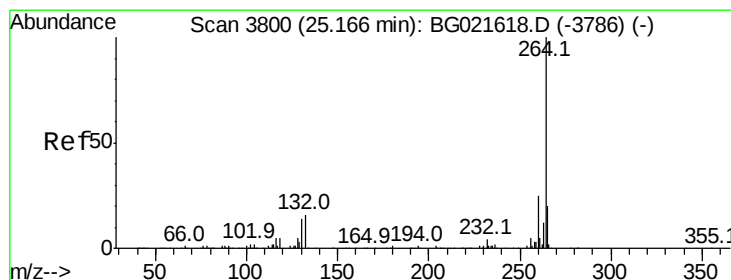
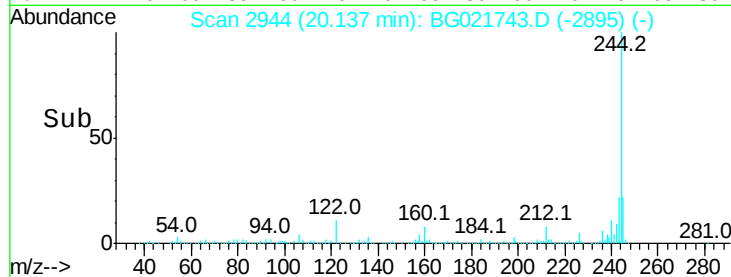
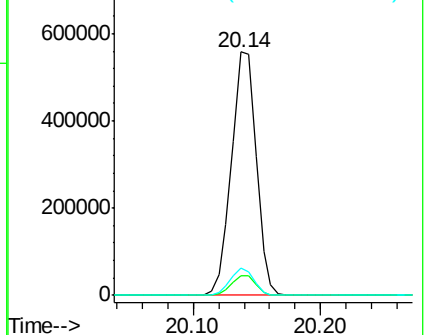
122 11.0 8.6 12.8



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: 20.00 ng

RT: 25.16 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BG021743.D

Acq: 18 Apr 2016 18:18

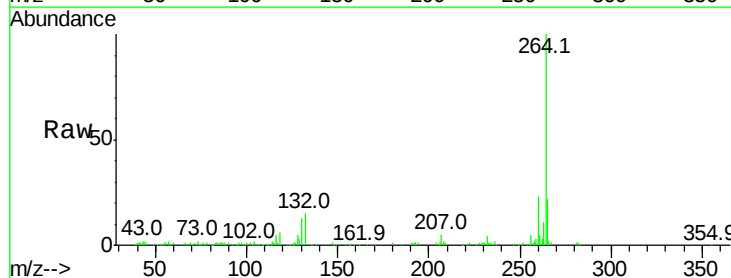
Tgt Ion:264 Resp: 207512

Ion Ratio Lower Upper

264 100

260 23.2 20.2 30.4

265 21.7 17.8 26.8



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

