

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
 Data File : BG021741.D
 Acq On : 18 Apr 2016 16:59
 Operator : UM/SJ
 Sample : H1824-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Quant Time: Apr 19 03:57:23 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

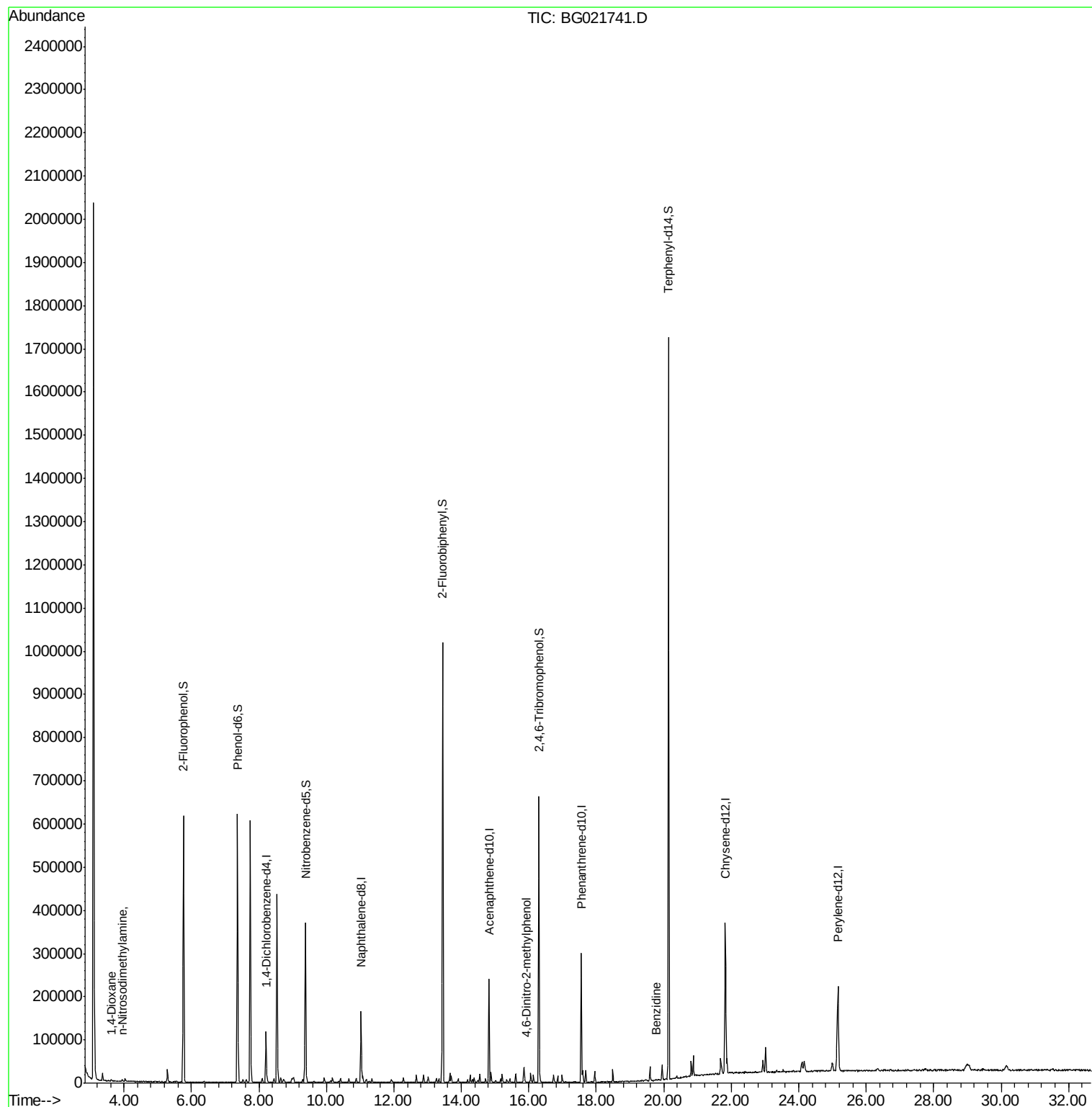
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	33416	20.00	ng	-0.01
21) Naphthalene-d8	11.03	136	140876	20.00	ng	-0.01
38) Acenaphthene-d10	14.81	164	84854	20.00	ng	-0.01
63) Phenanthrene-d10	17.55	188	181870	20.00	ng	-0.01
75) Chrysene-d12	21.82	240	220781	20.00	ng	-0.01
86) Perylene-d12	25.16	264	213285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.76	112	277103	138.09	ng	0.00
7) Phenol-d6	7.36	99	385764	128.70	ng	0.00
23) Nitrobenzene-d5	9.38	82	231200	84.35	ng	0.00
41) 2,4,6-Tribromophenol	16.30	330	126072	137.86	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	525147	90.68	ng	-0.01
78) Terphenyl-d14	20.14	244	769610	86.98	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	3.62	88	1532	1.72	ng	# 67
4) n-Nitrosodimethylamine	3.95	42	2356	1.77	ng	# 90
64) 4,6-Dinitro-2-methylphenol	15.93	198	416	5.89	ng	# 58
76) Benzidine	19.76	184	2194	0.32	ng	# 93

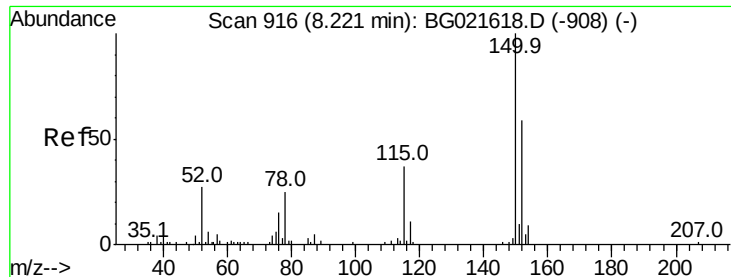
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041916\
Data File : BG021741.D
Acq On : 18 Apr 2016 16:59
Operator : UM/SJ
Sample : H1824-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-WATER2016-01

Quant Time: Apr 19 03:57:23 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 914

Delta R.T. -0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

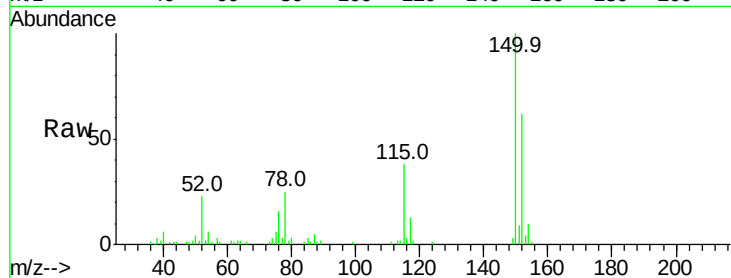
Tot Ion:152 Resp: 33416

Ion Ratio Lower Upper

152 100

150 161.2 130.1 195.1

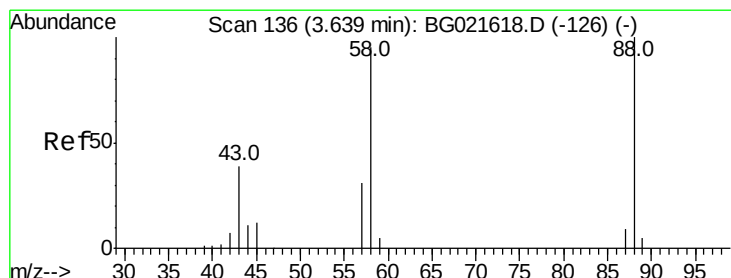
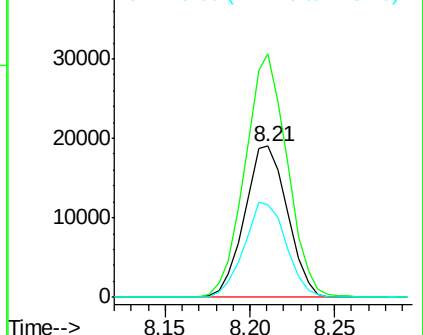
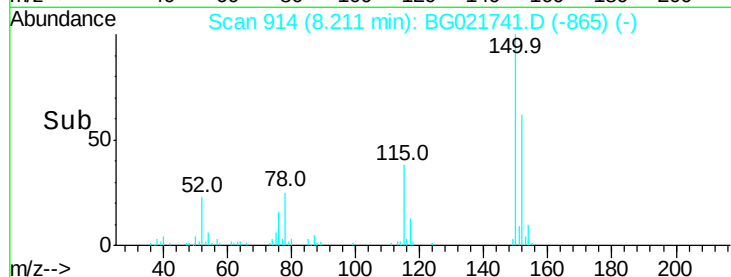
115 61.6 62.2 93.2#



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



#2

1,4-Dioxane

Concen: 1.72 ng

RT: 3.62 min Scan# 133

Delta R.T. -0.02 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

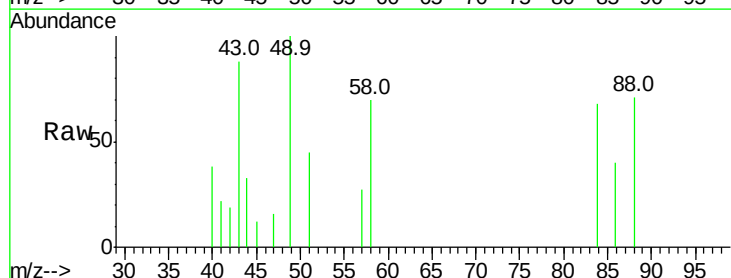
Tgt Ion: 88 Resp: 1532

Ion Ratio Lower Upper

88 100

58 96.0 61.8 92.8#

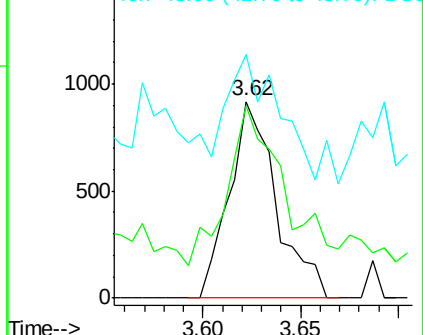
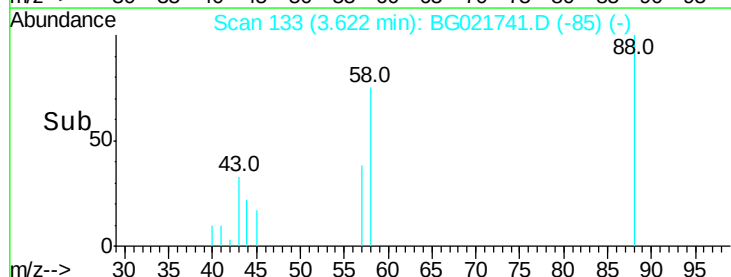
43 67.2 27.3 40.9#

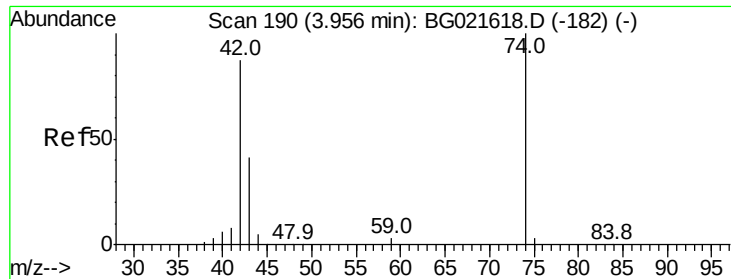


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 1.77 ng

RT: 3.95 min Scan# 188

Delta R.T. -0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

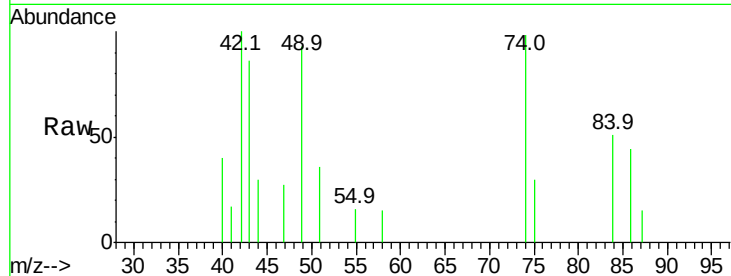
Tot Ion: 42 Resp: 2356

Ion Ratio Lower Upper

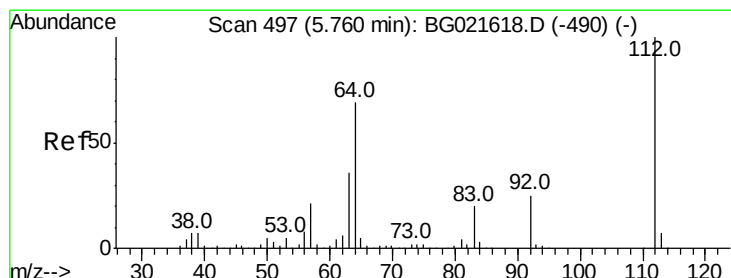
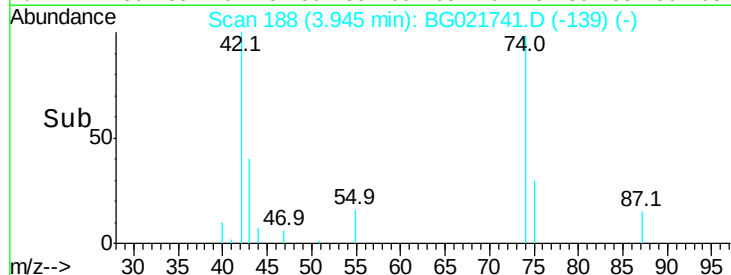
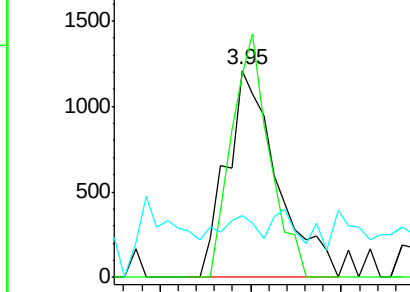
42 100

74 97.6 83.0 124.4

44 29.6 11.0 16.6#



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



#5

2-Fluorophenol

Concen: 138.09 ng

RT: 5.76 min Scan# 497

Delta R.T. 0.00 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

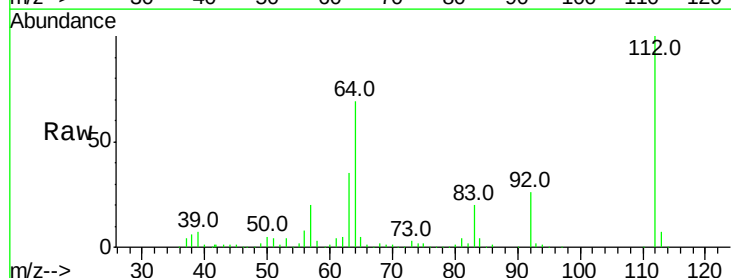
Tgt Ion: 112 Resp: 277103

Ion Ratio Lower Upper

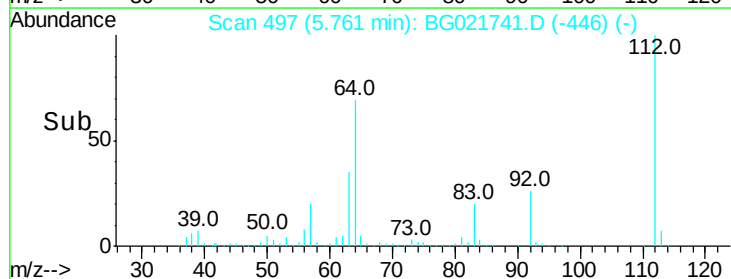
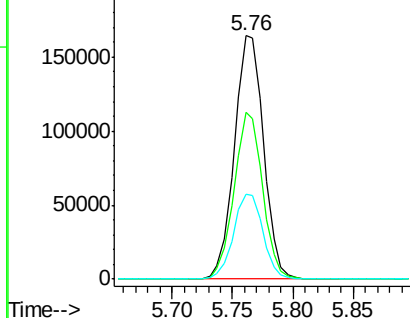
112 100

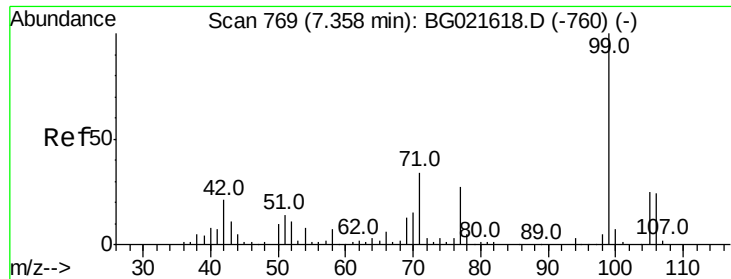
64 68.5 51.1 76.7

63 34.8 24.6 37.0



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





#7

Phenol-d6

Concen: 128.70 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

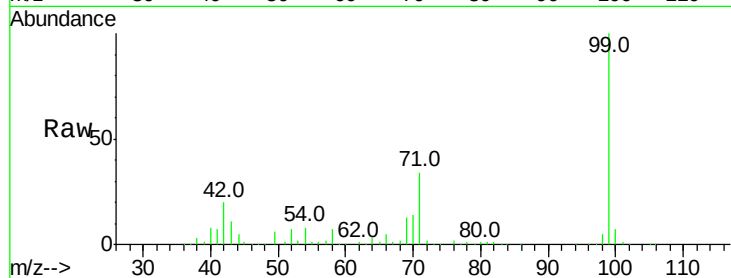
Tot Ion: 99 Resp: 385764

Ion Ratio Lower Upper

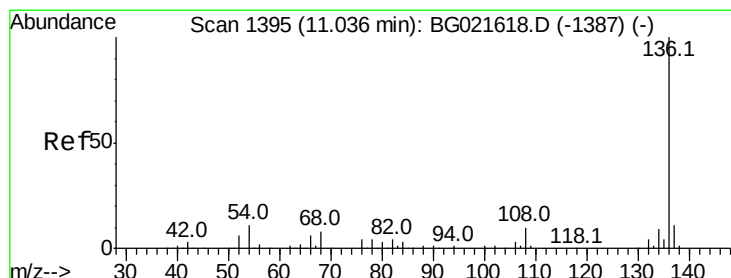
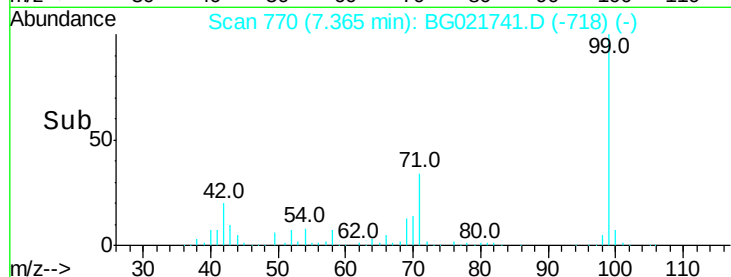
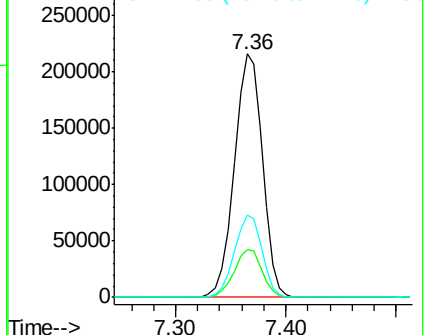
99 100

42 19.6 16.4 24.6

71 33.8 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: 11.03 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Tgt Ion: 136 Resp: 140876

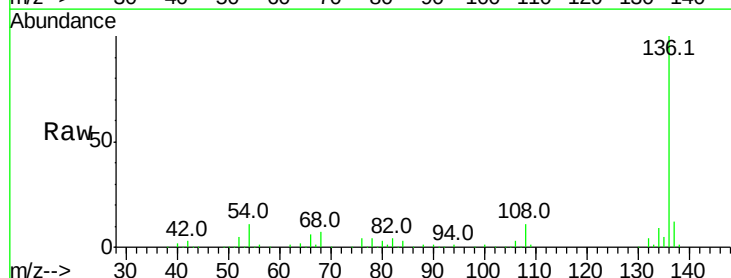
Ion Ratio Lower Upper

136 100

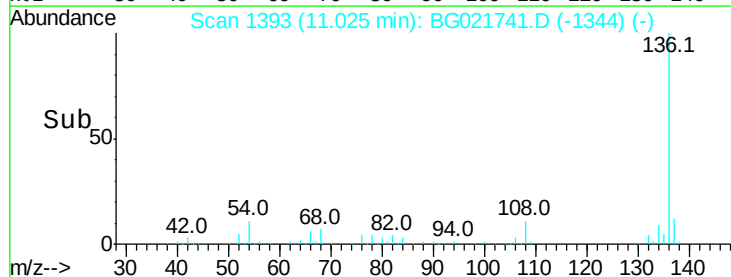
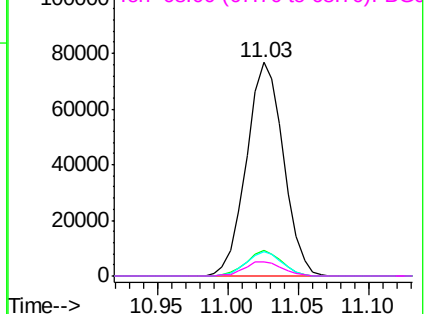
137 11.8 9.0 13.4

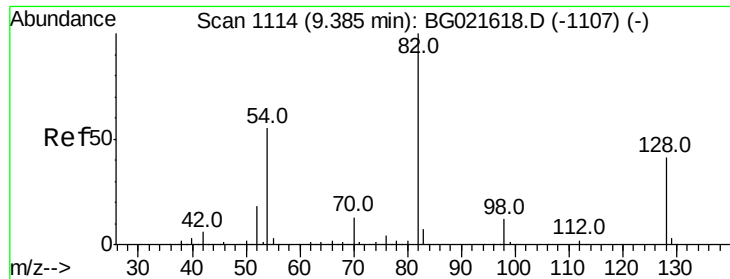
54 11.4 9.6 14.4

68 6.7 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

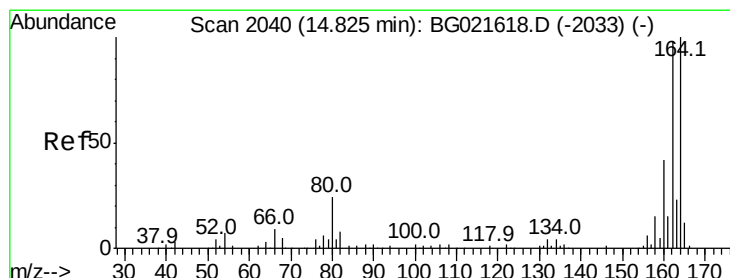
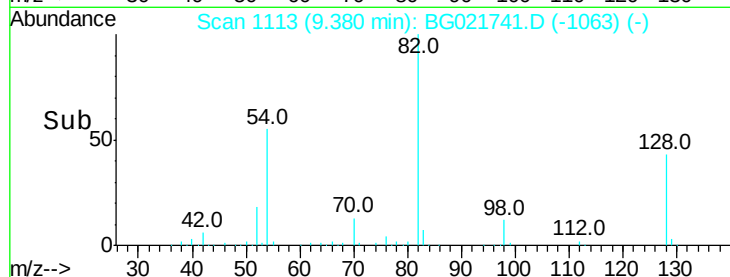
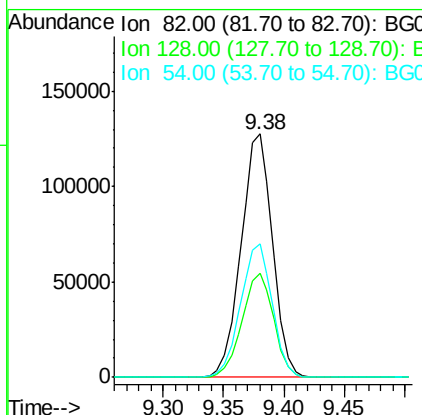
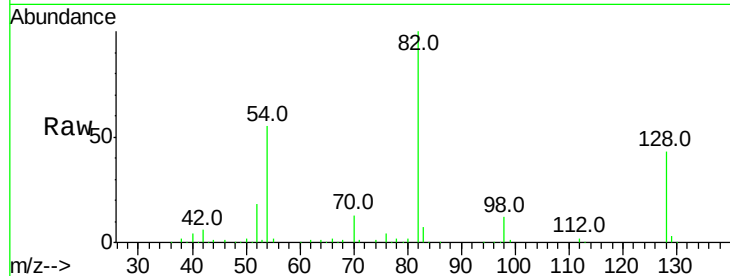




#23
 Nitrobenzene-d5
 Concen: 84.35 ng
 RT: 9.38 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: BG021741.D
 Acq: 18 Apr 2016 16:59

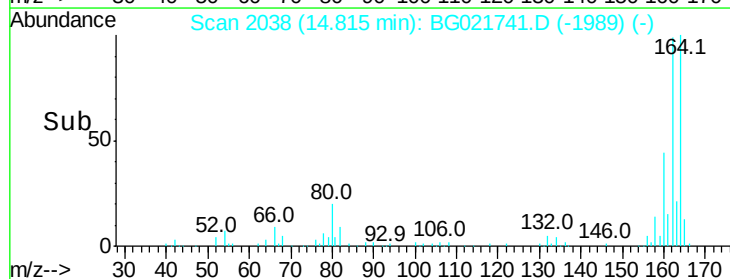
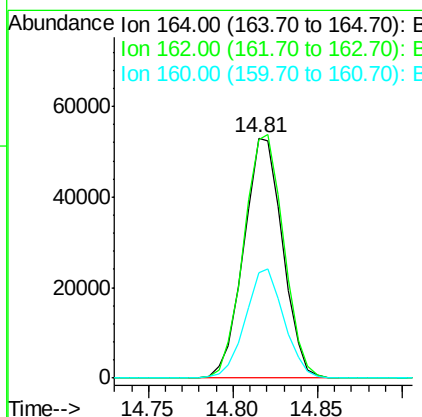
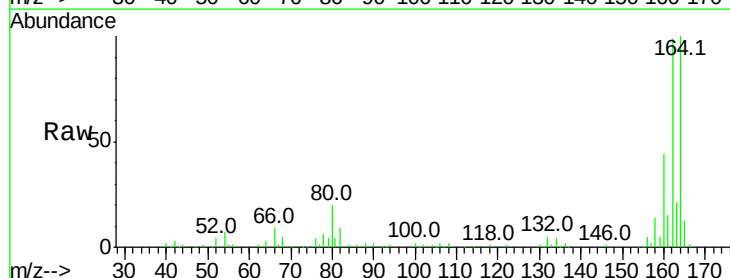
Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

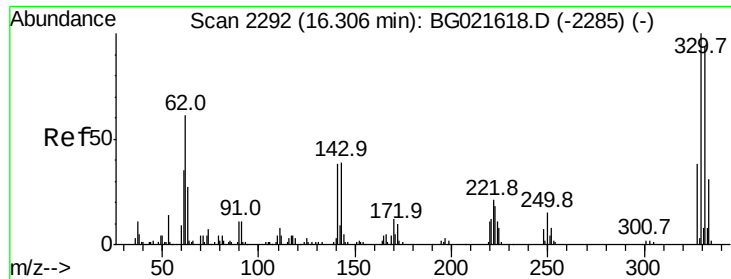
Tot Ion: 82 Resp: 231200
 Ion Ratio Lower Upper
 82 100
 128 42.8 33.4 50.0
 54 54.6 46.1 69.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.81 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BG021741.D
 Acq: 18 Apr 2016 16:59

Tgt Ion:164 Resp: 84854
 Ion Ratio Lower Upper
 164 100
 162 99.5 78.0 117.0
 160 43.8 32.9 49.3

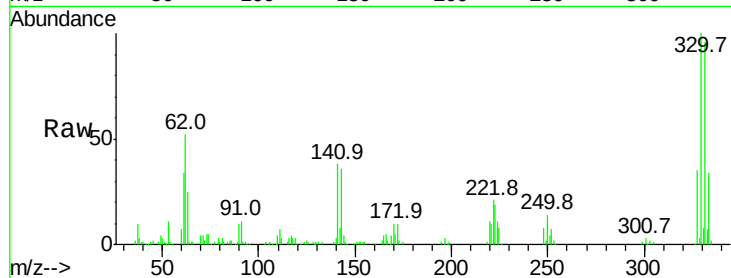




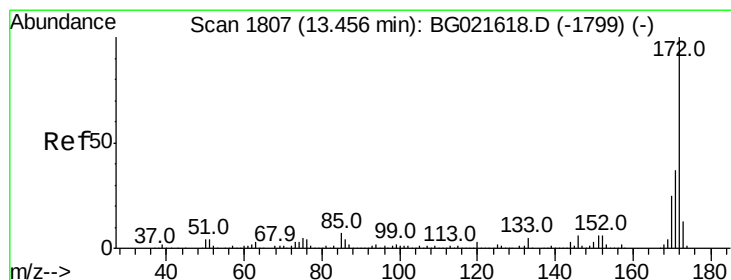
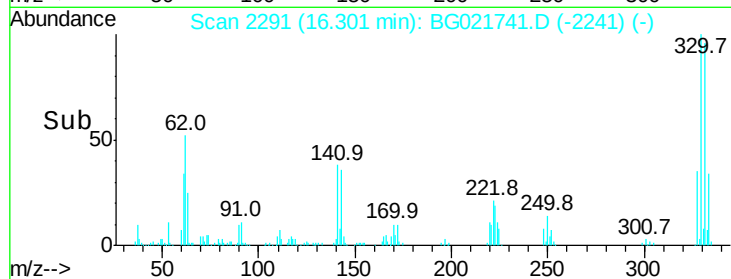
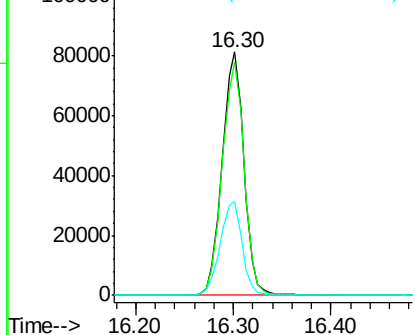
#41
 2,4,6-Tribromophenol
 Concen: 137.86 ng
 RT: 16.30 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: BG021741.D
 Acq: 18 Apr 2016 16:59

Instrument :
 BNA_G
 ClientSampleId :
 LOD-WATER2016-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	38.6	33.8	50.8

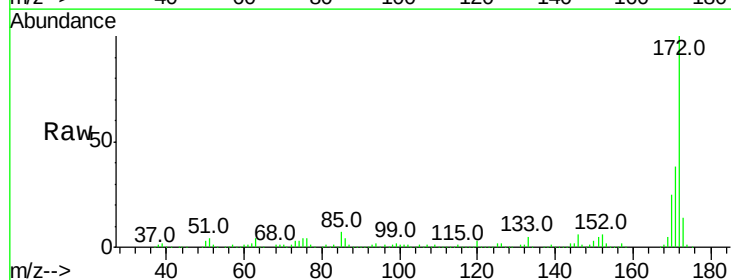


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

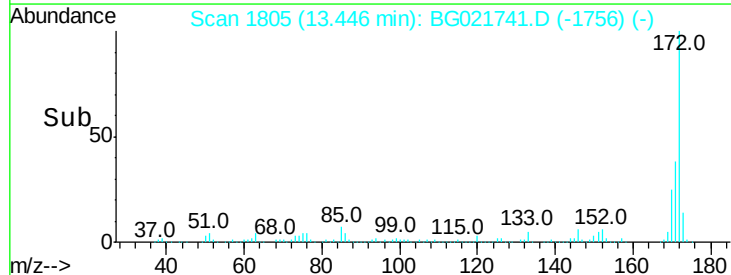
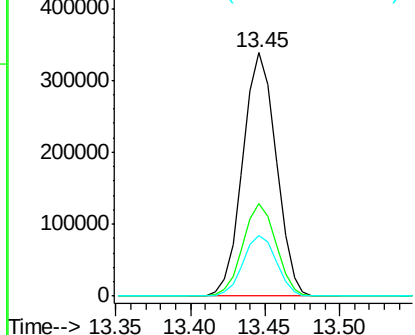


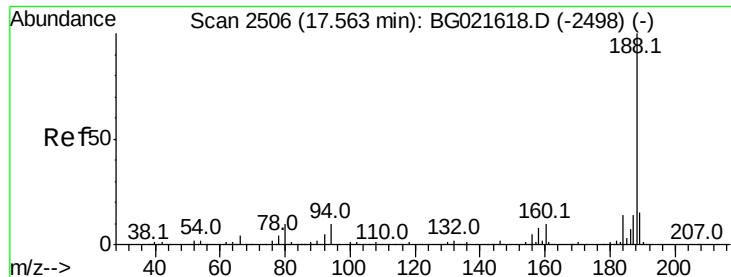
#44
 2-Fluorobiphenyl
 Concen: 90.68 ng
 RT: 13.45 min Scan# 1805
 Delta R.T. -0.01 min
 Lab File: BG021741.D
 Acq: 18 Apr 2016 16:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	27.8	41.6
170	25.0	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: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

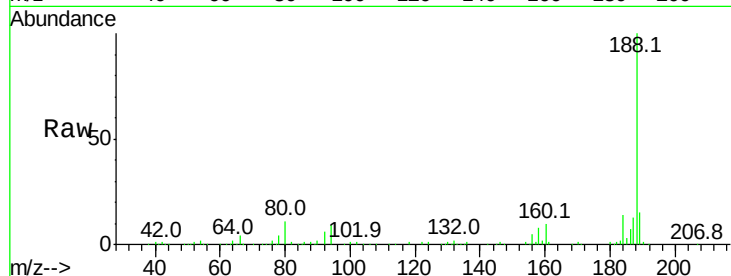
Tot Ion:188 Resp: 181870

Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 10.8 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

150000

100000

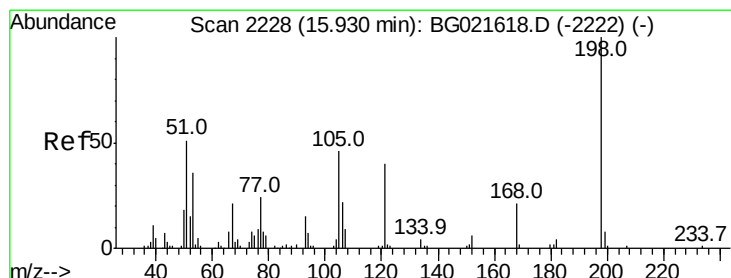
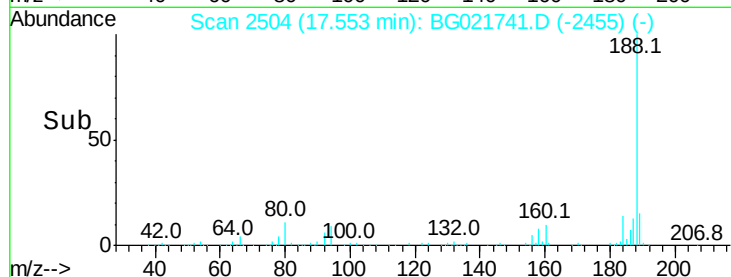
50000

0

17.55

17.60

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.89 ng

RT: 15.93 min Scan# 2228

Delta R.T. 0.00 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

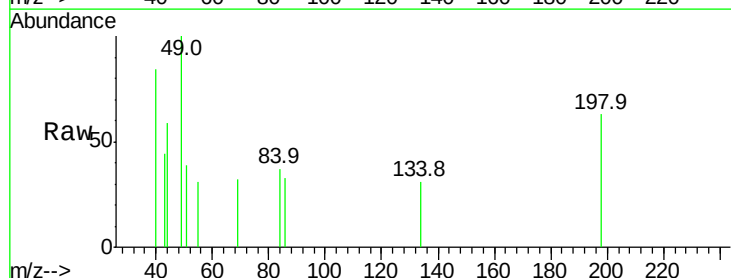
Tgt Ion:198 Resp: 416

Ion Ratio Lower Upper

198 100

51 62.3 29.2 69.2

105 0.0 24.0 64.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

500

400

300

200

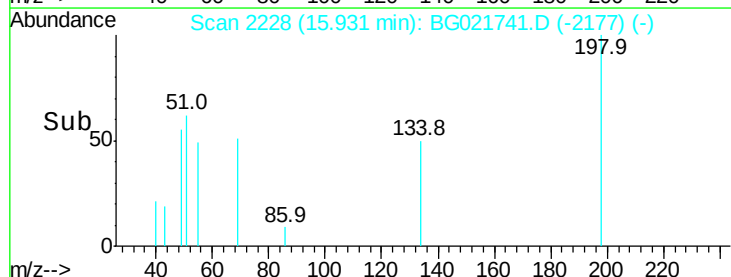
100

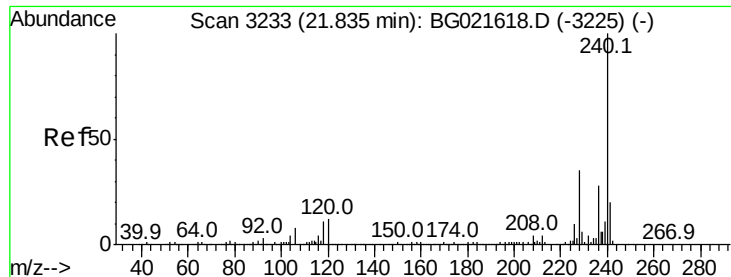
0

15.93

15.95

Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.82 min Scan# 3231

Delta R.T. -0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

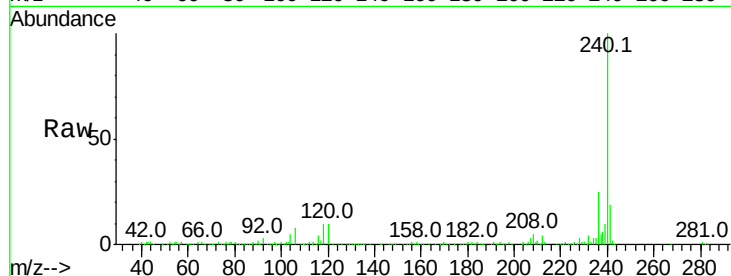
Tot Ion:240 Resp: 220781

Ion Ratio Lower Upper

240 100

120 9.9 8.4 12.6

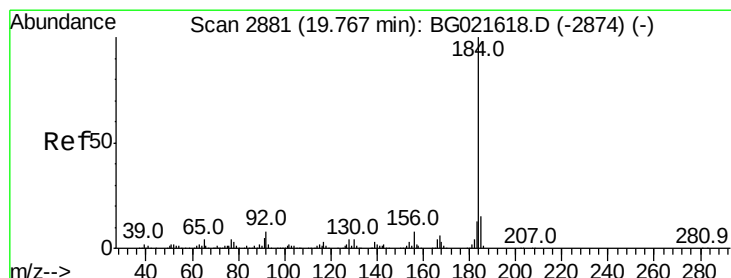
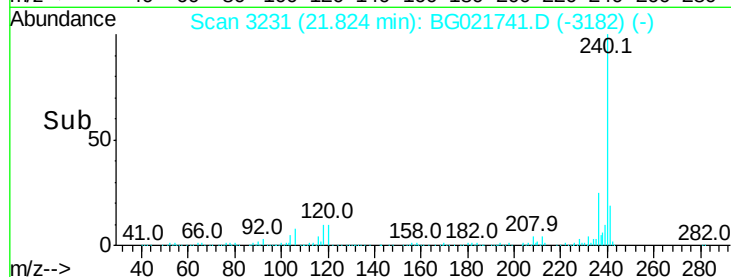
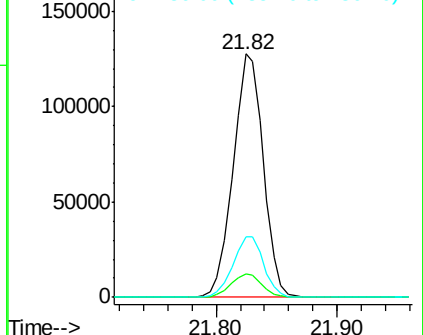
236 25.1 19.6 29.4



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



#76

Benzidine

Concen: 0.32 ng

RT: 19.76 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

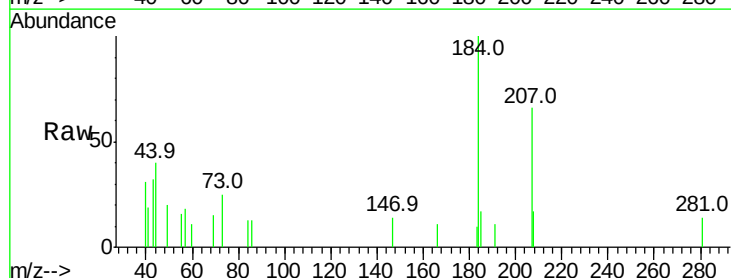
Tgt Ion:184 Resp: 2194

Ion Ratio Lower Upper

184 100

185 16.8 11.5 17.3

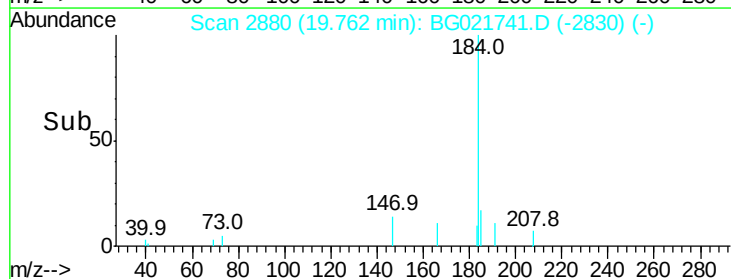
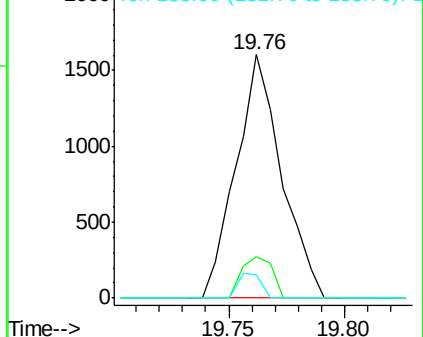
183 9.6 10.2 15.4#

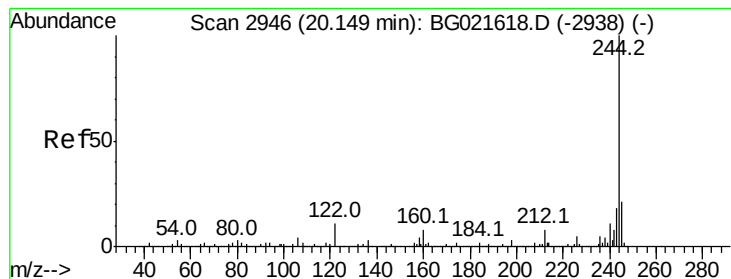


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 86.98 ng

RT: 20.14 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

Instrument :

BNA_G

ClientSampleId :

LOD-WATER2016-01

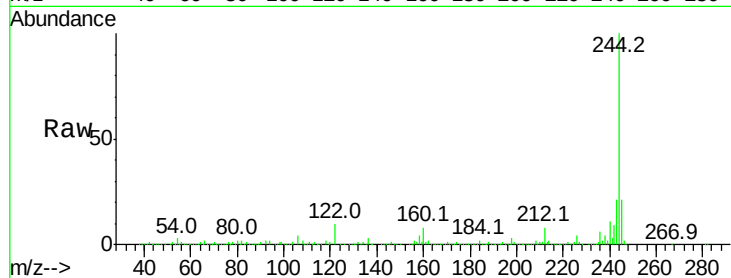
Tot Ion:244 Resp: 769610

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

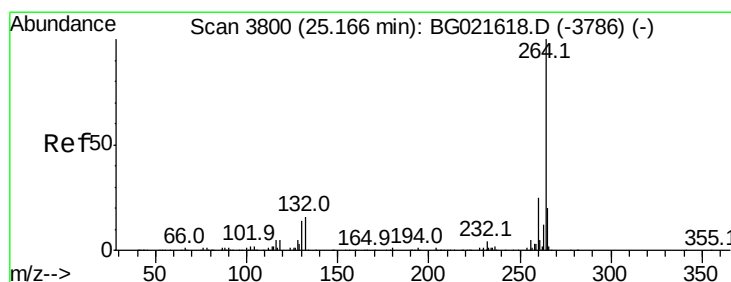
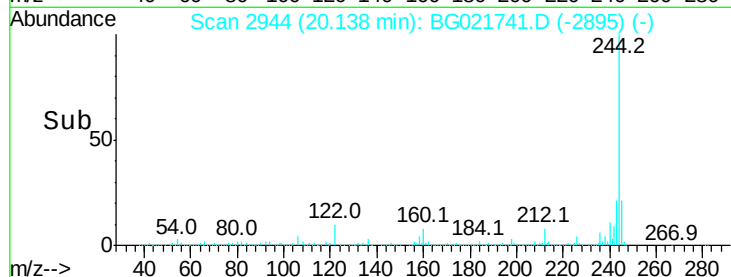
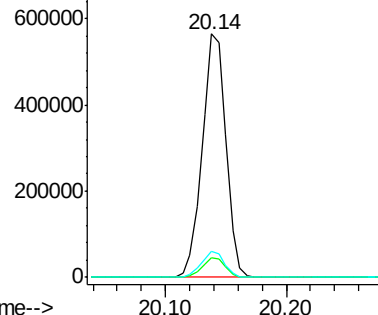
122 10.5 8.6 12.8



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# 3799

Delta R.T. -0.00 min

Lab File: BG021741.D

Acq: 18 Apr 2016 16:59

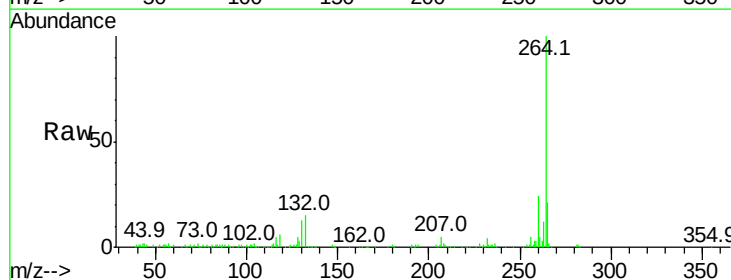
Tgt Ion:264 Resp: 213285

Ion Ratio Lower Upper

264 100

260 23.6 20.2 30.4

265 20.7 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

