

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_G\DATA\BG062817\
 Data File : BG027729.D
 Acq On : 29 Jun 2017 6:40
 Operator : SJ/JU
 Sample : I3925-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-062617

Quant Time: Jun 29 11:58:10 2017
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 19:26:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.48	152	33608	20.00	ng	0.00
21) Naphthalene-d8	11.29	136	155975	20.00	ng	0.00
38) Acenaphthene-d10	15.06	164	90325	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	250517	20.00	ng	0.00
75) Chrysene-d12	22.17	240	278372	20.00	ng	0.00
86) Perylene-d12	25.78	264	264968	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	6.06	112	302563	138.63	ng	0.00
7) Phenol-d6	7.61	99	384983	115.47	ng	0.00
23) Nitrobenzene-d5	9.64	82	268621	96.00	ng	0.00
41) 2,4,6-Tribromophenol	16.55	330	207196	167.24	ng	0.00
44) 2-Fluorobiphenyl	13.68	172	637934	100.87	ng	0.00
78) Terphenyl-d14	20.39	244	1275288	107.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	4.10	88	84	0.103	ng	# 1
4) n-Nitrosodimethylamine	4.36	42	360	0.293	ng	# 1
6) Aniline	7.80	93	1406	0.364	ng	# 72
9) Benzaldehyde	7.62	77	593	0.299	ng	# 10
10) Phenol	7.64	94	64	0.019	ng	# 1
11) bis(2-Chloroethyl)ether	7.80	93	1406	0.561	ng	# 11
15) Benzyl Alcohol	8.80	79	4216	1.828	ng	# 28
16) 2,2'-oxybis(1-Chloropropan	8.99	45	234	0.044	ng	# 74
22) Acetophenone	9.31	105	58	0.015	ng	# 41
24) Nitrobenzene	9.65	77	745	0.255	ng	# 41
31) Naphthalene	11.34	128	1163	0.140	ng	# 67
33) 4-Chloroaniline	11.47	127	418	0.117	ng	# 40
37) 2-Methylnaphthalene	12.92	142	55	0.009	ng	# 14
45) 1,1'-Biphenyl	13.89	154	812	0.112	ng	# 41
51) Acenaphthene	15.12	154	180	0.028	ng	# 74
54) Dibenzofuran	15.47	168	59	0.007	ng	# 40
57) Fluorene	16.10	166	59	0.007	ng	# 9
59) Diethylphthalate	15.84	149	864	0.101	ng	# 56
62) Azobenzene	16.54	77	1078	0.144	ng	# 19
65) n-Nitrosodiphenylamine	16.54	169	7805	0.958	ng	# 47
70) Phenanthrene	17.85	178	773	0.053	ng	# 56
71) Anthracene	17.85	178	773	0.053	ng	# 58
73) Di-n-butylphthalate	18.74	149	1343	0.085	ng	# 73
76) Benzidine	20.02	184	395172	58.857	ng	# 97
77) Pyrene	20.39	202	4543	0.260	ng	# 72
79) Butylbenzylphthalate	21.07	149	130	0.017	ng	# 79
80) Benzo(a)anthracene	22.17	228	747	0.044	ng	# 47
81) 3,3'-Dichlorobenzidine	22.05	252	201	0.033	ng	# 24
82) Chrysene	22.17	228	747	0.047	ng	# 46
83) Bis(2-ethylhexyl)phthalate	22.00	149	1263	0.110	ng	# 73
84) Di-n-octyl phthalate	23.33	149	57	0.003	ng	# 1
89) Benzo(a)pyrene	25.77	252	904	0.056	ng	# 68

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Misc :
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Instrument :
BNA_G
ClientSampleId :
HD-01-062617

Quant Time: Jun 29 11:58:10 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 19:26:37 2017
Response via : Initial Calibration

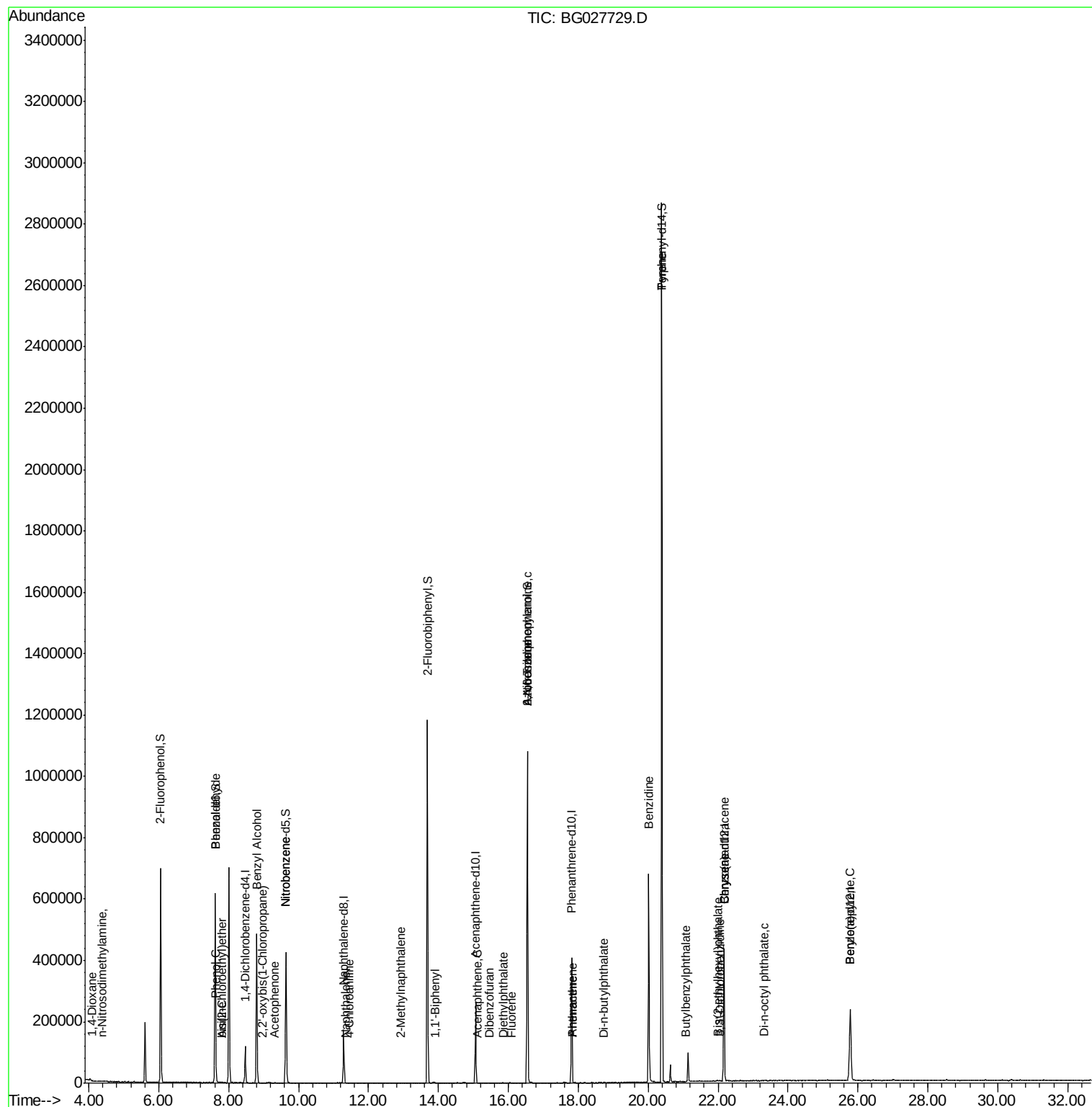
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

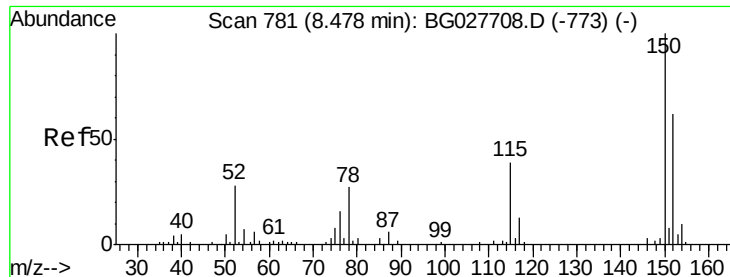
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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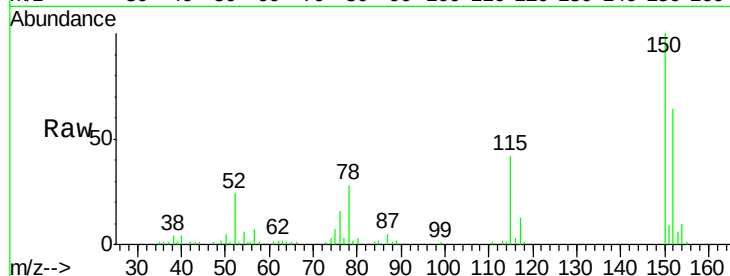


#1

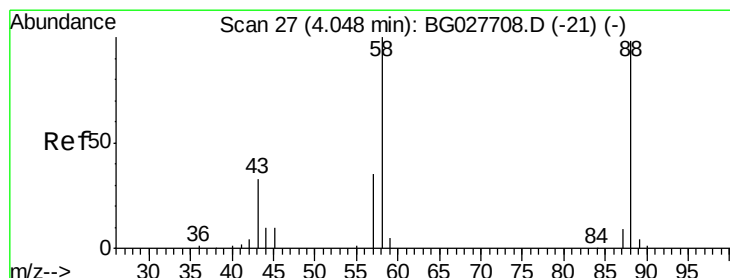
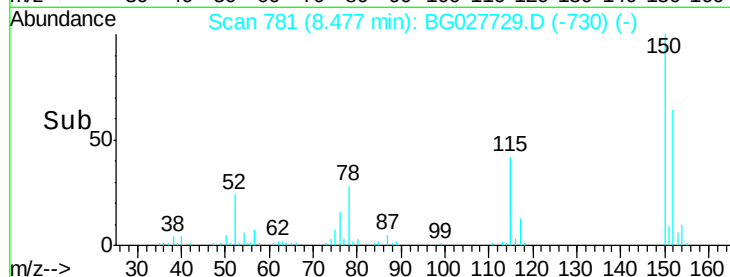
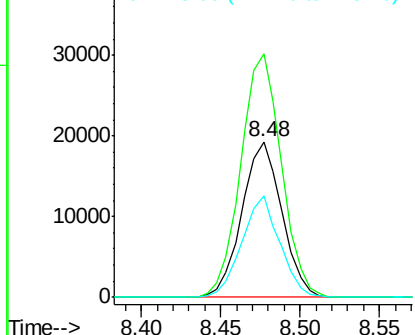
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.48 min Scan# 781
Delta R.T. -0.00 min
Lab File: BG027729.D
Acq: 29 Jun 2017 6:40

Instrument :
BNA_G
ClientSampleId :
HD-01-062617

Tgt Ion:152 Resp: 33608
Ion Ratio Lower Upper
152 100
150 156.2 114.0 171.0
115 65.4 48.1 72.1



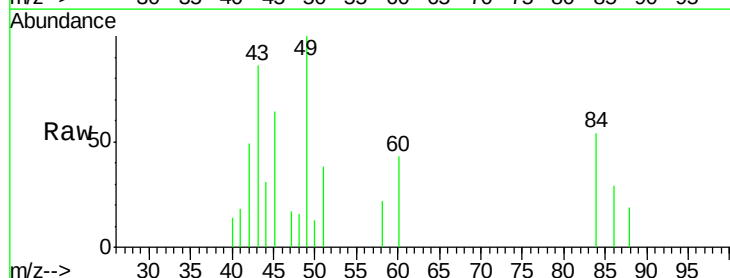
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



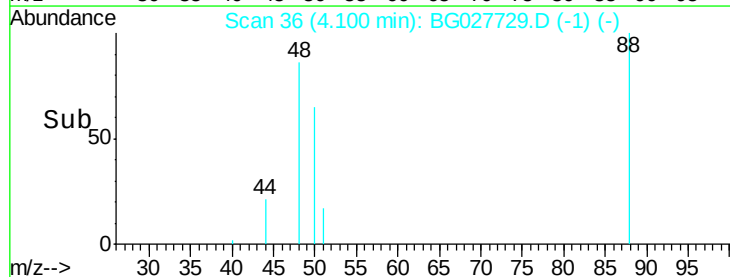
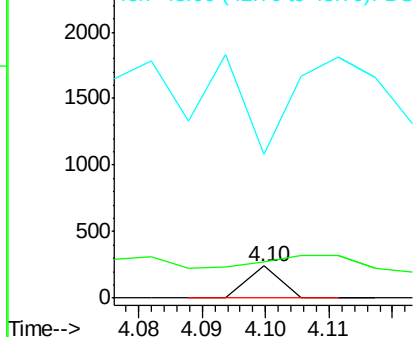
#2

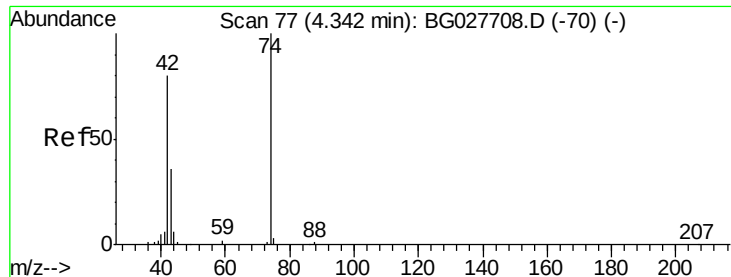
1,4-Dioxane
Concen: 0.103 ng
RT: 4.10 min Scan# 36
Delta R.T. 0.05 min
Lab File: BG027729.D
Acq: 29 Jun 2017 6:40

Tgt Ion: 88 Resp: 84
Ion Ratio Lower Upper
88 100
58 151.2 79.4 119.2#
43 896.4 33.8 50.6#



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: 0.293 ng

RT: 4.36 min Scan# 81

Delta R.T. 0.02 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

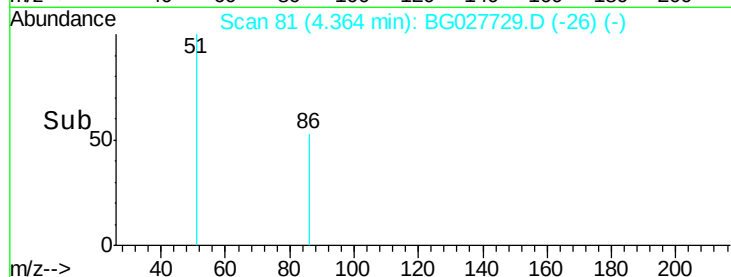
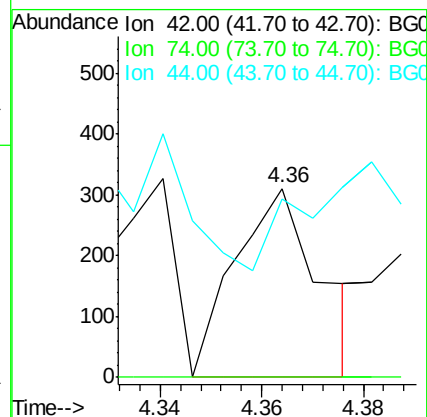
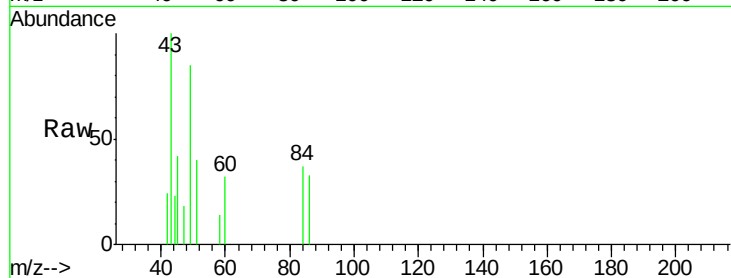
Tgt Ion: 42 Resp: 360

Ion Ratio Lower Upper

42 100

74 0.0 76.7 115.1#

44 94.8 6.1 9.1#



#5

2-Fluorophenol

Concen: 138.633 ng

RT: 6.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

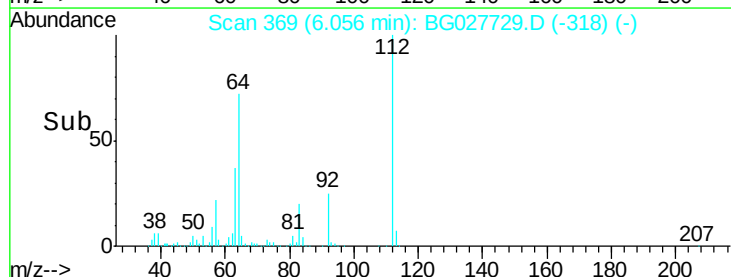
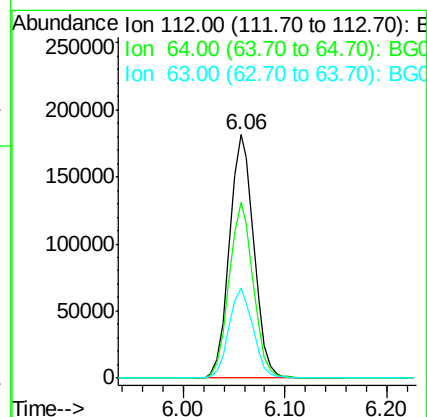
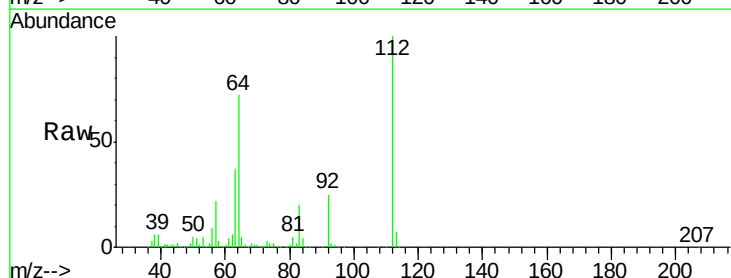
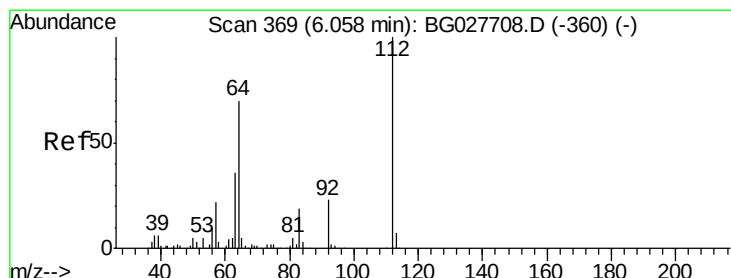
Tgt Ion: 112 Resp: 302563

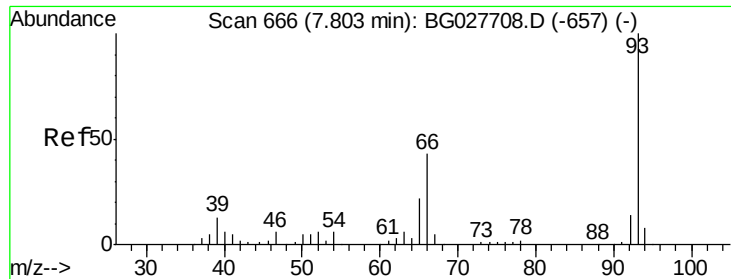
Ion Ratio Lower Upper

112 100

64 72.2 61.8 92.6

63 36.8 37.2 55.8#





#6

Aniline

Concen: 0.364 ng

RT: 7.80 min Scan# 666

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

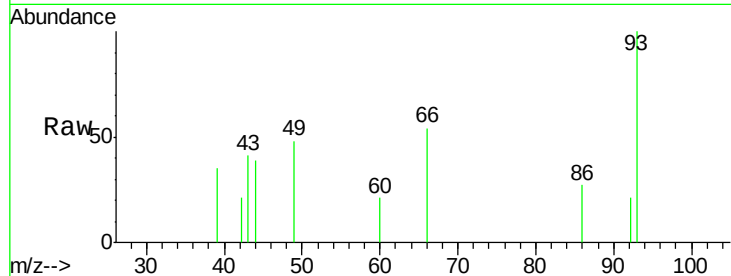
Tgt Ion: 93 Resp: 1406

Ion Ratio Lower Upper

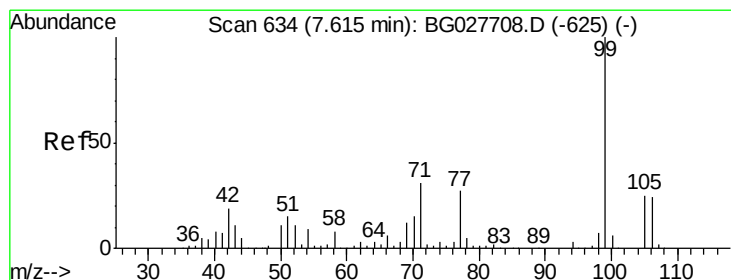
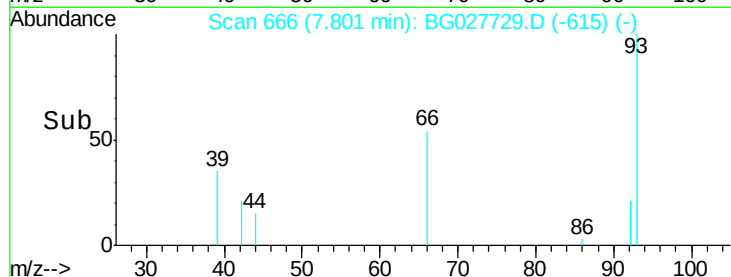
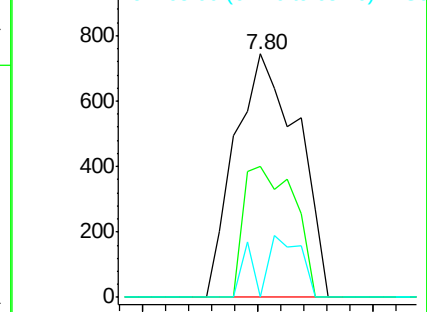
93 100

66 53.6 35.4 53.2#

65 0.0 21.2 31.8#



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: 115.467 ng

RT: 7.61 min Scan# 634

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

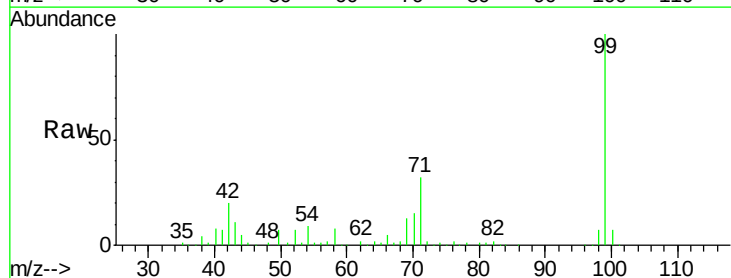
Tgt Ion: 99 Resp: 384983

Ion Ratio Lower Upper

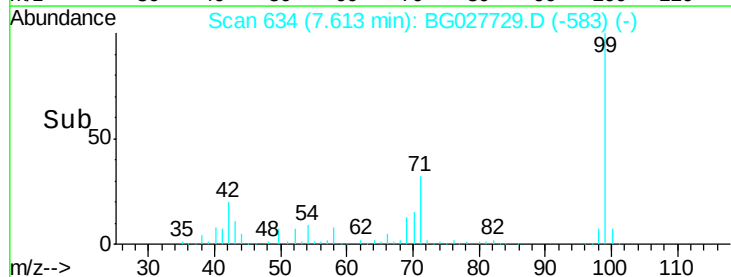
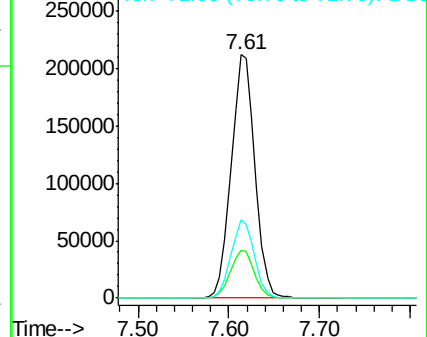
99 100

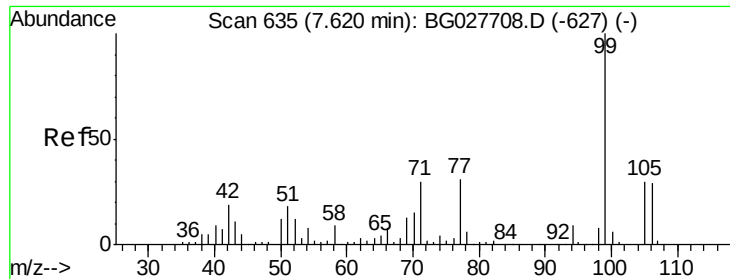
42 19.5 20.5 30.7#

71 32.2 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





#9

Benzaldehyde

Concen: 0.299 ng

RT: 7.62 min Scan# 635

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

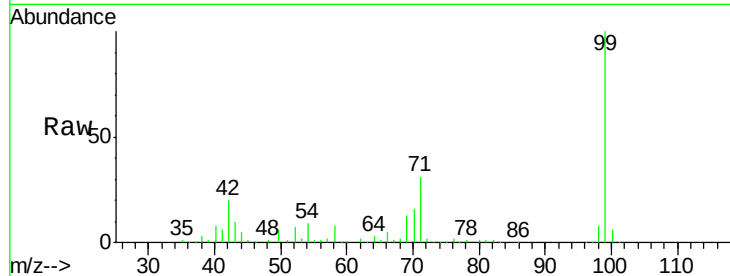
Tgt Ion: 77 Resp: 593

Ion Ratio Lower Upper

77 100

105 0.0 60.9 100.9#

106 0.0 55.1 95.1#



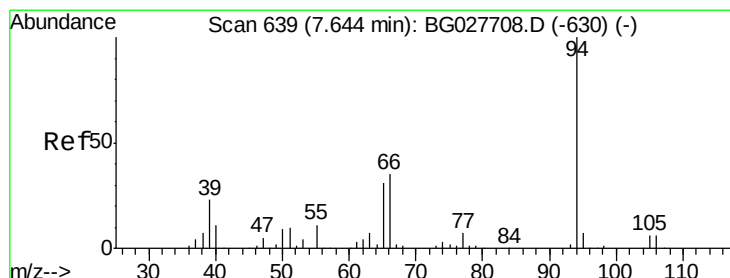
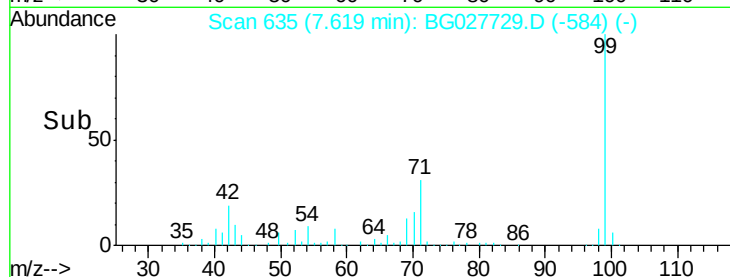
Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

7.62

Time-->



#10

Phenol

Concen: 0.019 ng

RT: 7.64 min Scan# 639

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

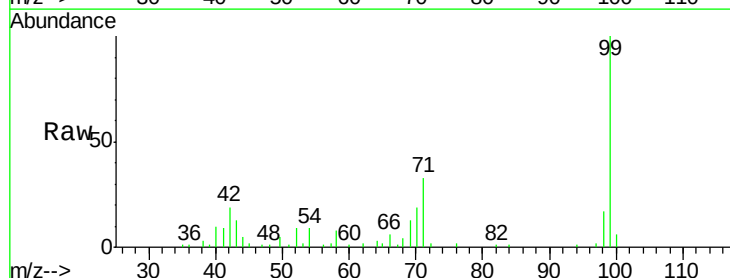
Tgt Ion: 94 Resp: 64

Ion Ratio Lower Upper

94 100

65 160.8 20.6 60.6#

66 544.8 35.5 75.5#



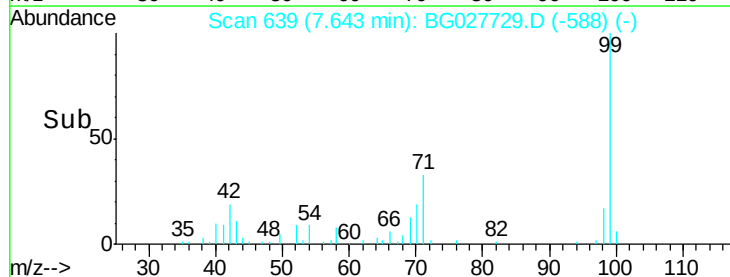
Abundance Ion 94.00 (93.70 to 94.70): BGC

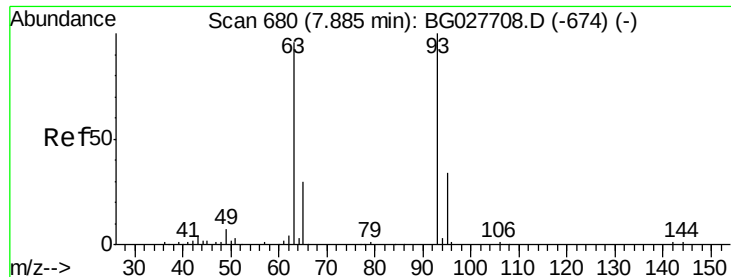
Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

7.64

Time-->

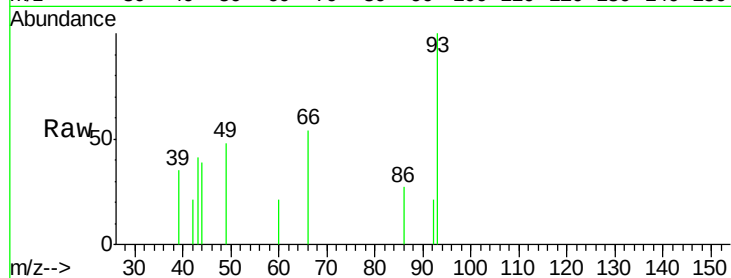




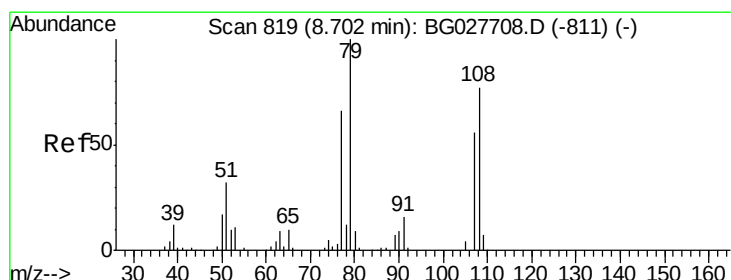
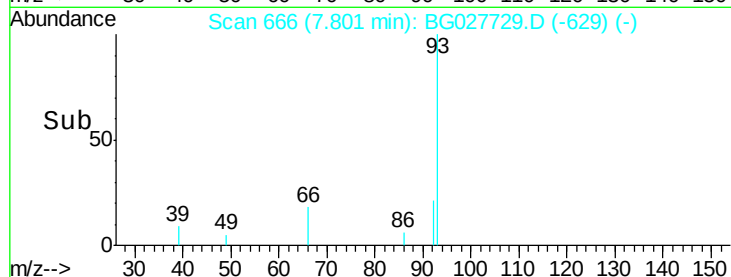
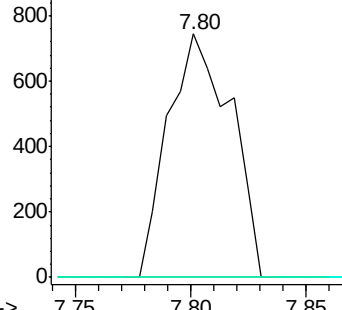
#11
bis(2-Chloroethyl)ether
Concen: 0.561 ng
RT: 7.80 min Scan# 666
Delta R.T. -0.08 min
Lab File: BG027729.D
Acq: 29 Jun 2017 6:40

Instrument :
BNA_G
ClientSampleId :
HD-01-062617

Tgt Ion: 93 Resp: 1406
Ion Ratio Lower Upper
93 100
63 0.0 78.5 118.5#
95 0.0 9.8 49.8#

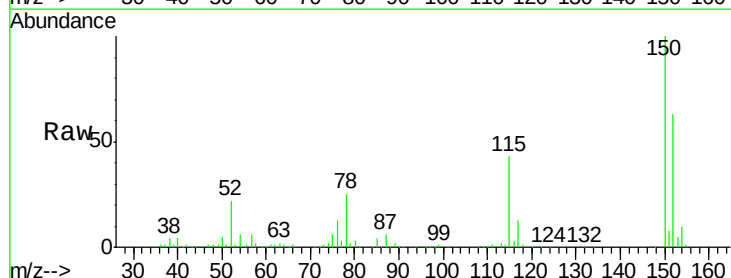


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

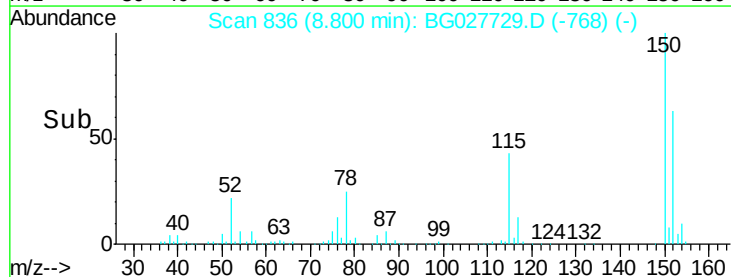
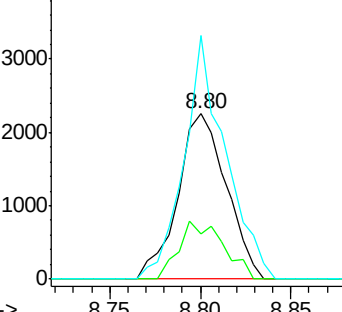


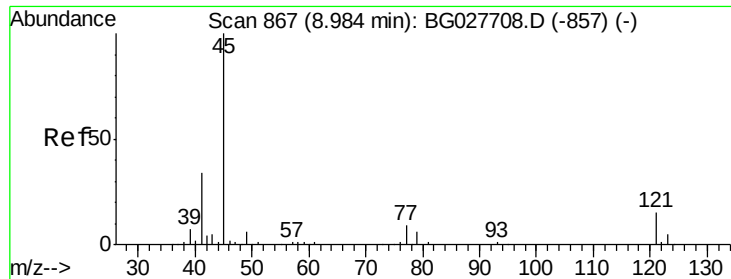
#15
Benzyl Alcohol
Concen: 1.828 ng
RT: 8.80 min Scan# 836
Delta R.T. 0.10 min
Lab File: BG027729.D
Acq: 29 Jun 2017 6:40

Tgt Ion: 79 Resp: 4216
Ion Ratio Lower Upper
79 100
108 27.4 45.5 68.3#
77 147.7 54.3 81.5#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

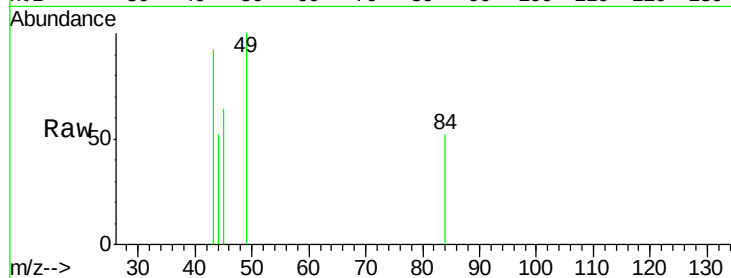




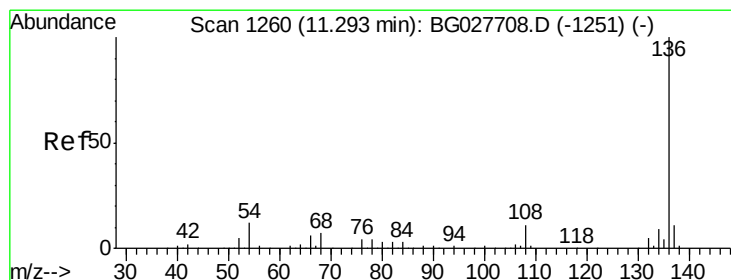
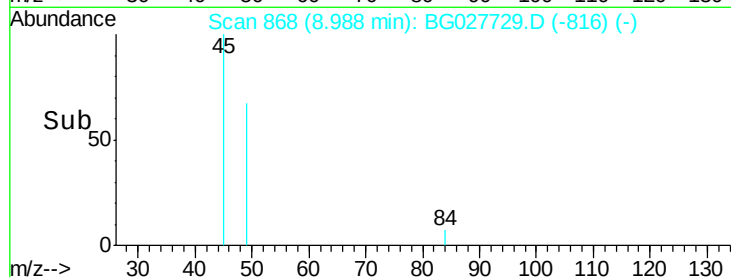
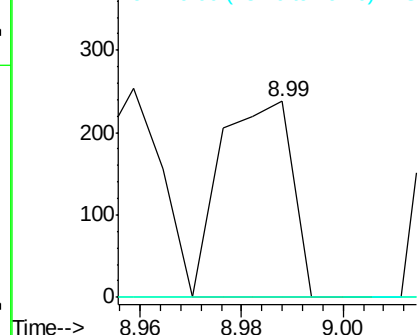
#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.044 ng
 RT: 8.99 min Scan# 868
 Delta R.T. 0.00 min
 Lab File: BG027729.D
 Acq: 29 Jun 2017 6:40

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-062617

Tgt Ion: 45 Resp: 234
 Ion Ratio Lower Upper
 45 100
 77 0.0 0.0 30.6
 79 0.0 0.0 28.5

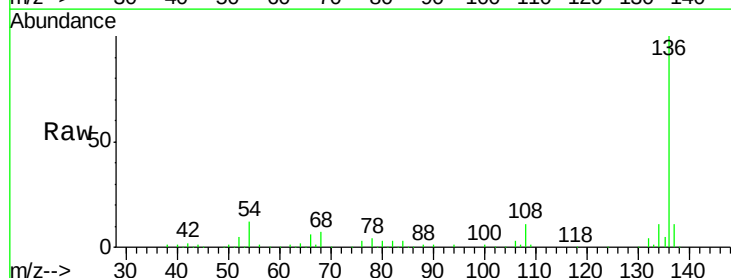


Abundance Ion 45.00 (44.70 to 45.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC
 Ion 79.00 (78.70 to 79.70): BGC

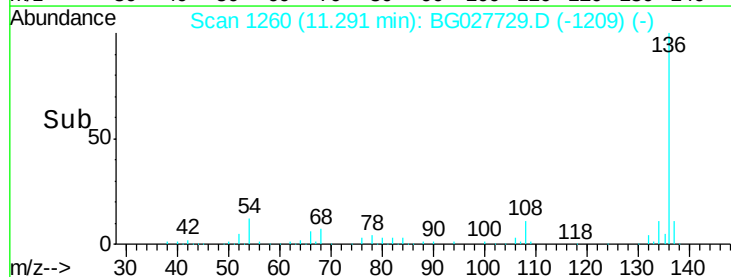
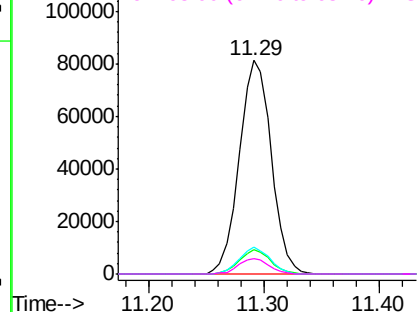


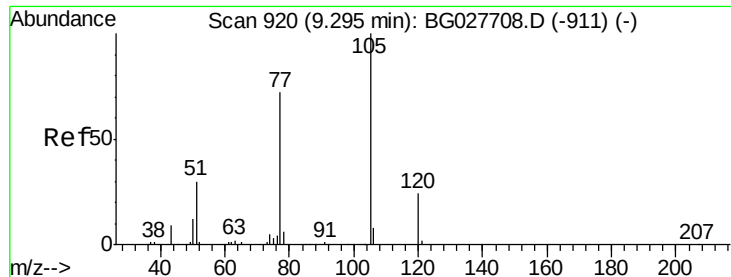
#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: BG027729.D
 Acq: 29 Jun 2017 6:40

Tgt Ion: 136 Resp: 155975
 Ion Ratio Lower Upper
 136 100
 137 11.3 8.9 13.3
 54 12.4 9.3 13.9
 68 7.2 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

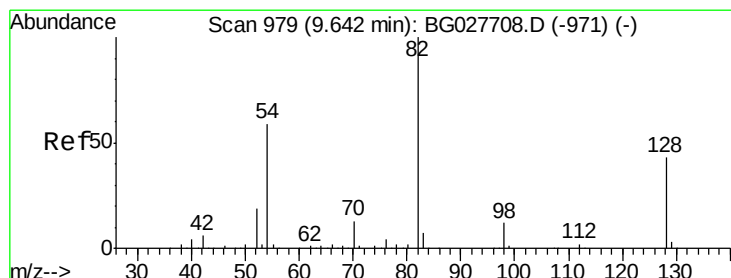
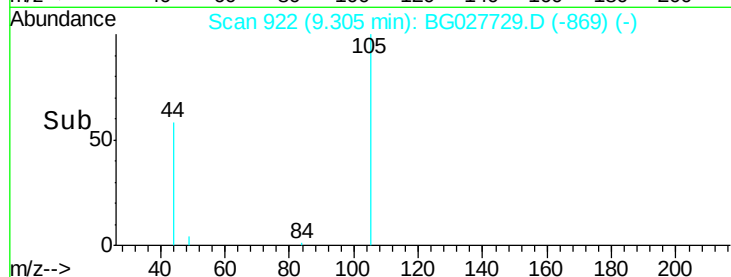
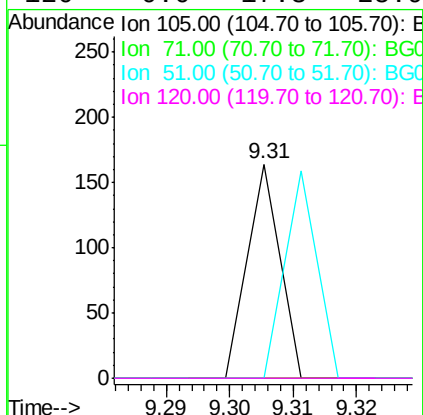
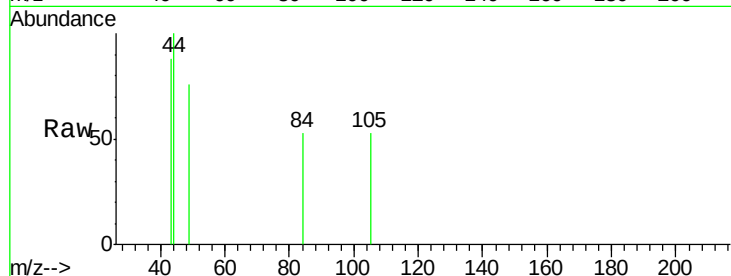




#22
 Acetophenone
 Concen: 0.015 ng
 RT: 9.31 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: BG027729.D
 Acq: 29 Jun 2017 6:40

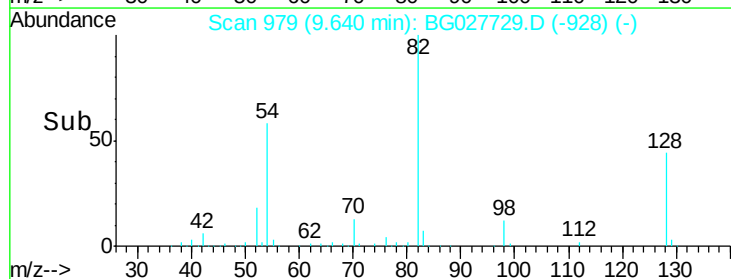
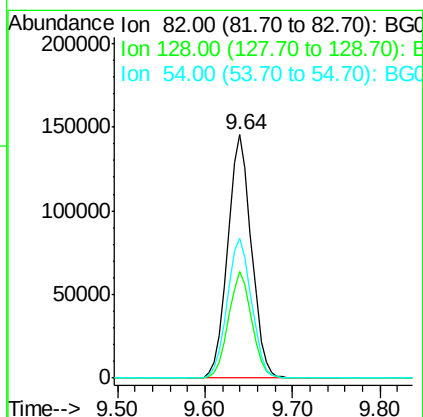
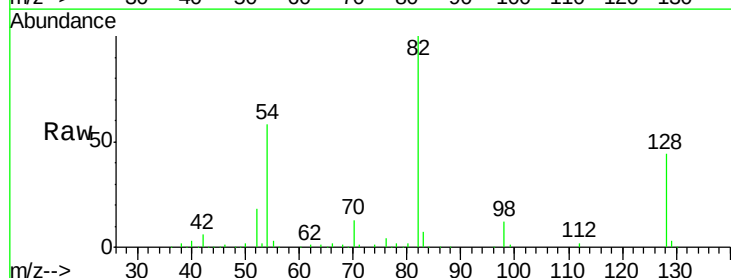
Instrument :
 BNA_G
 ClientSampleId :
 HD-01-062617

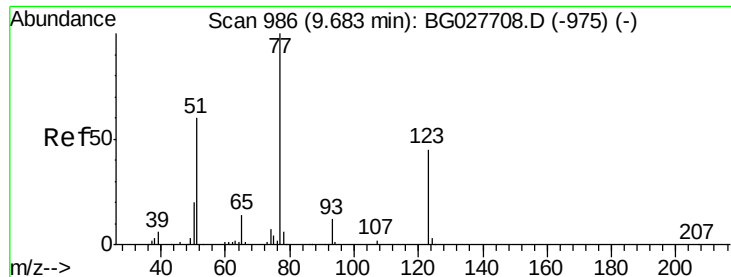
Tgt Ion:	105	Resp:	58
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	0.0	34.0	51.0#
120	0.0	17.3	25.9#



#23
 Nitrobenzene-d5
 Concen: 95.997 ng
 RT: 9.64 min Scan# 979
 Delta R.T. -0.00 min
 Lab File: BG027729.D
 Acq: 29 Jun 2017 6:40

Tgt Ion:	82	Resp:	268621
Ion	Ratio	Lower	Upper
82	100		
128	43.7	26.4	39.6#
54	57.7	49.4	74.2





#24

Nitrobenzene

Concen: 0.255 ng

RT: 9.65 min Scan# 980

Delta R.T. -0.04 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

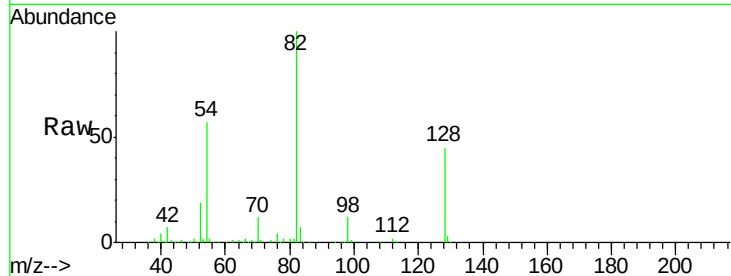
Tgt Ion: 77 Resp: 745

Ion Ratio Lower Upper

77 100

123 0.0 26.1 39.1#

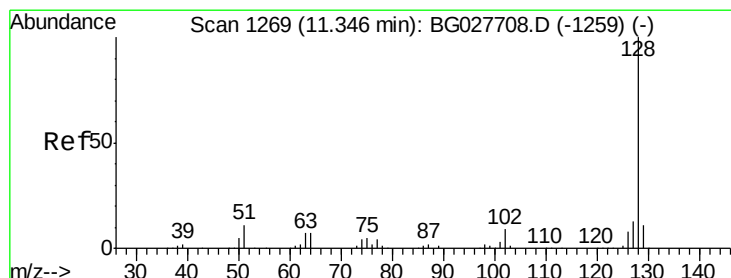
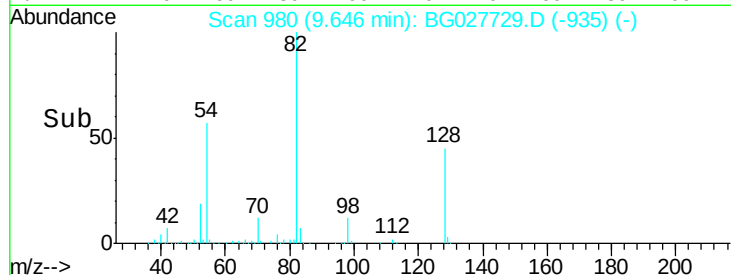
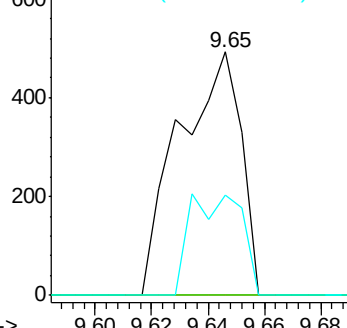
65 41.4 12.4 18.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#31

Naphthalene

Concen: 0.140 ng

RT: 11.34 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

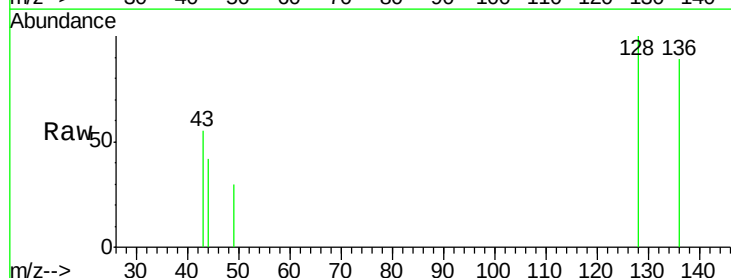
Tgt Ion: 128 Resp: 1163

Ion Ratio Lower Upper

128 100

129 0.0 9.3 13.9#

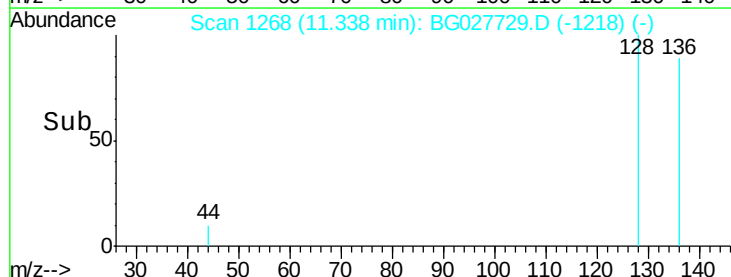
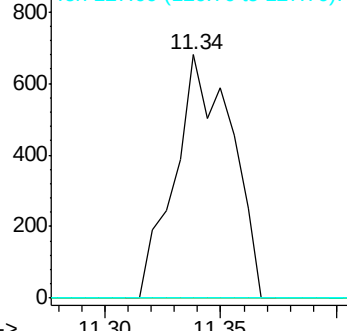
127 0.0 11.4 17.0#

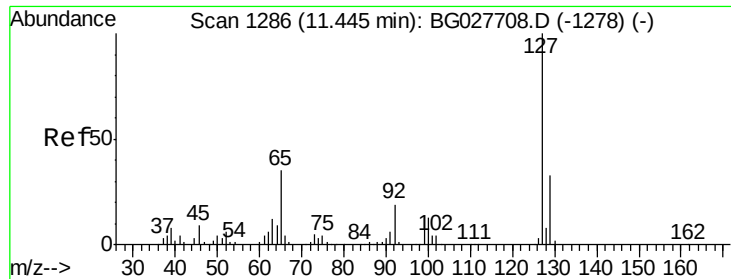


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC

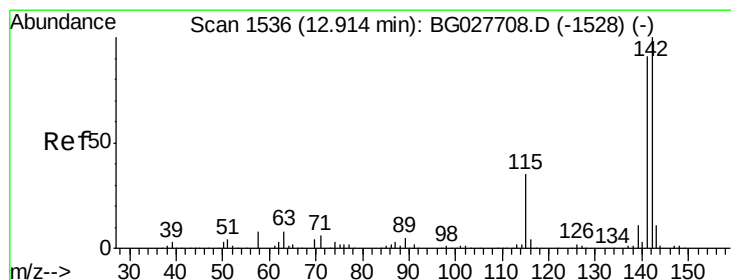
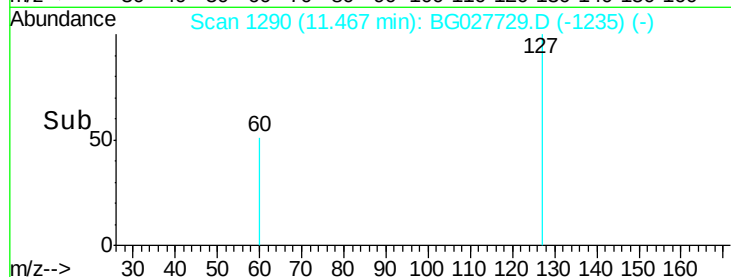
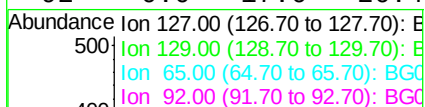
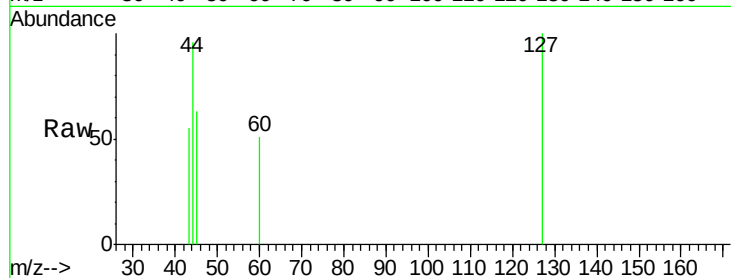




#33
4-Chloroaniline
Concen: 0.117 ng
RT: 11.47 min Scan# 1290
Delta R.T. 0.02 min
Lab File: BG027729.D
Acq: 29 Jun 2017 6:40

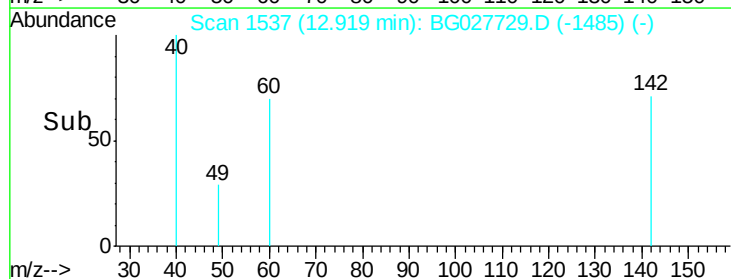
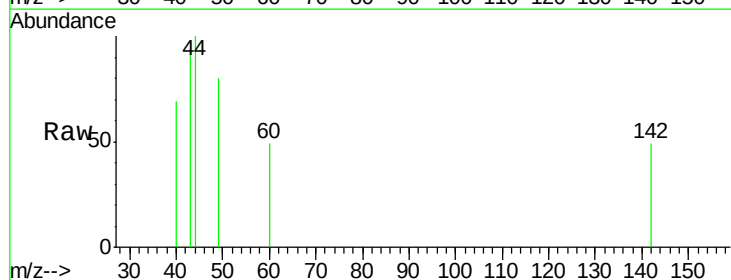
Instrument :
BNA_G
ClientSampleId :
HD-01-062617

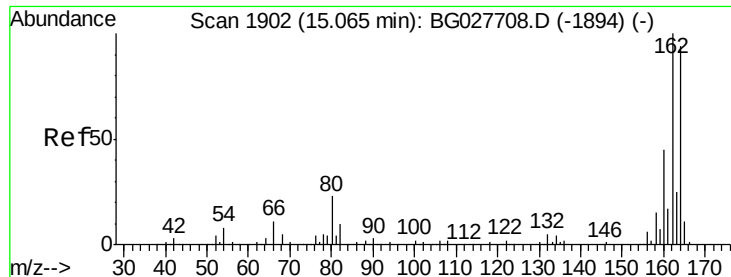
Tgt Ion:	127	Resp:	418
Ion	Ratio	Lower	Upper
127	100		
129	0.0	23.6	35.4#
65	0.0	37.7	56.5#
92	0.0	17.6	26.4#



#37
2-Methylnaphthalene
Concen: 0.009 ng
RT: 12.92 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BG027729.D
Acq: 29 Jun 2017 6:40

Tgt Ion:	142	Resp:	55
Ion	Ratio	Lower	Upper
142	100		
141	0.0	70.4	105.6#
115	0.0	35.5	53.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.06 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

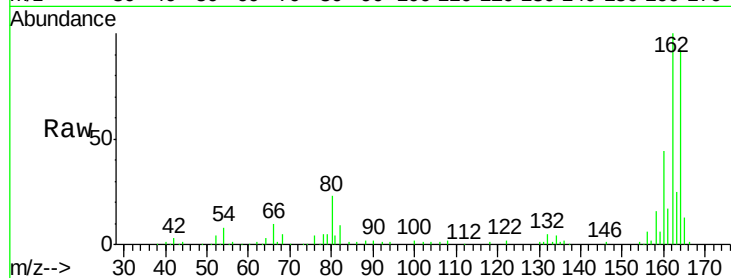
Tgt Ion:164 Resp: 90325

Ion Ratio Lower Upper

164 100

162 108.7 85.1 127.7

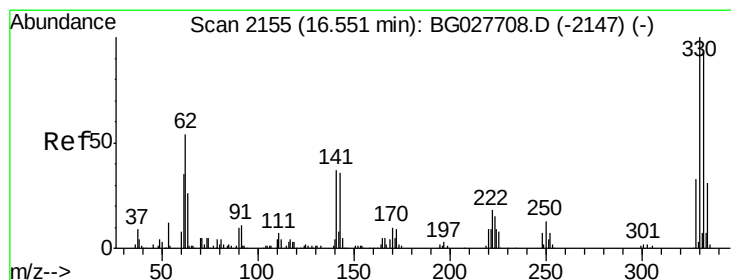
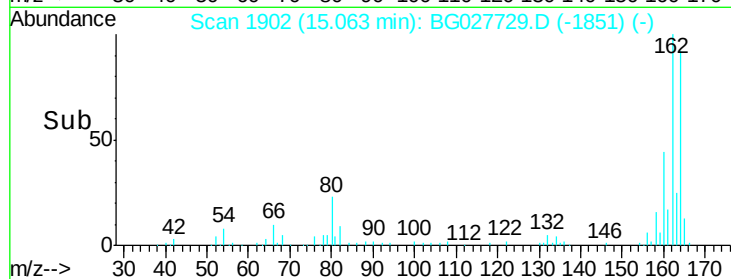
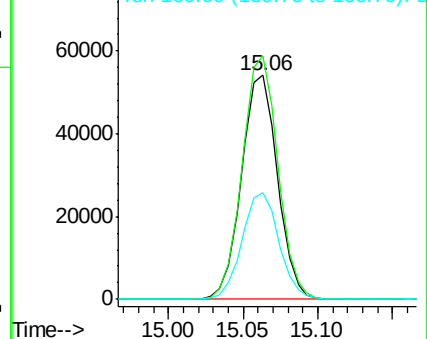
160 47.9 34.7 52.1



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: 167.241 ng

RT: 16.55 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

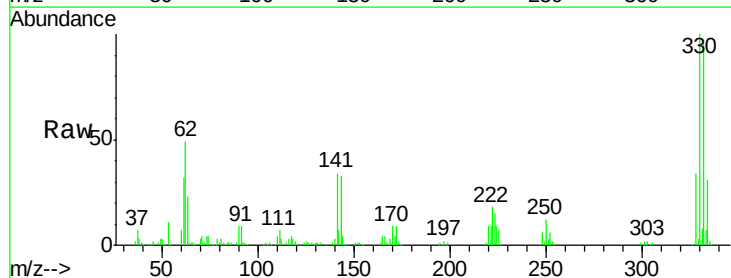
Tgt Ion:330 Resp: 207196

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

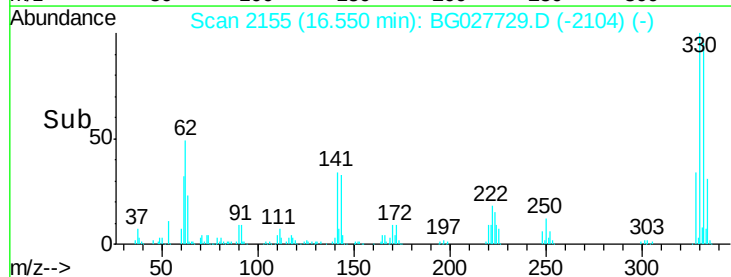
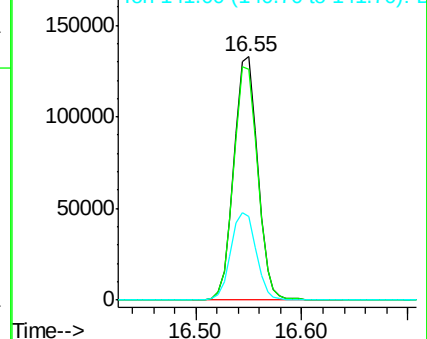
141 38.4 32.1 48.1

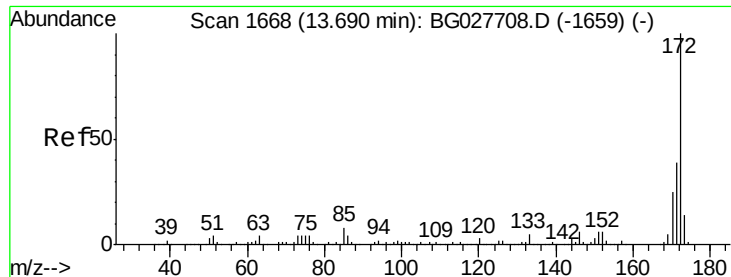


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 100.867 ng

RT: 13.68 min Scan# 1667

Delta R.T. -0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

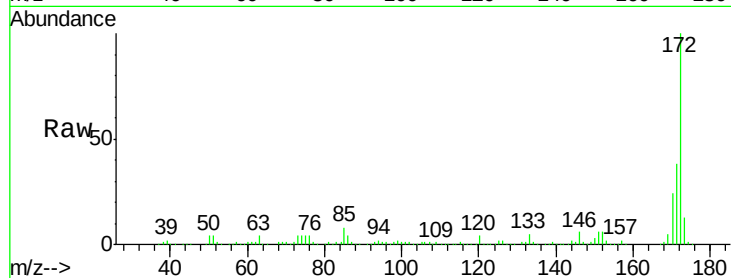
Tgt Ion:172 Resp: 637934

Ion Ratio Lower Upper

172 100

171 37.5 32.2 48.2

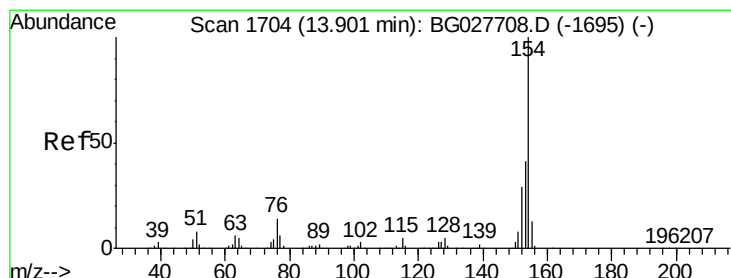
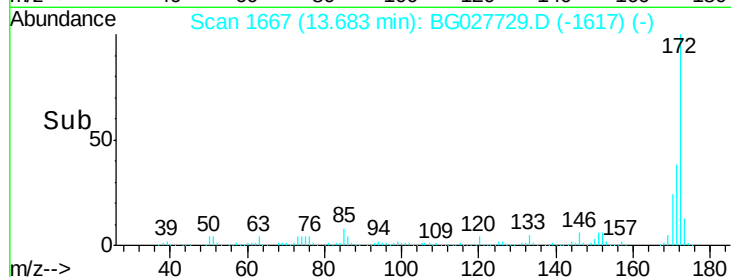
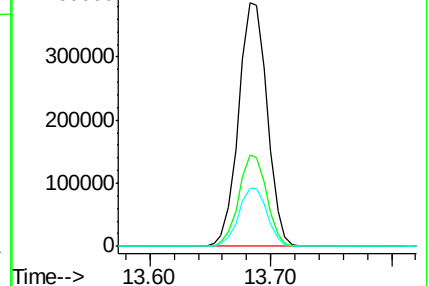
170 23.8 21.8 32.6



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



#45

1,1'-Biphenyl

Concen: 0.112 ng

RT: 13.89 min Scan# 1703

Delta R.T. -0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

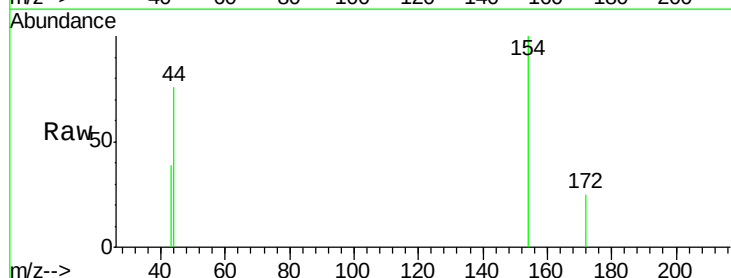
Tgt Ion:154 Resp: 812

Ion Ratio Lower Upper

154 100

153 0.0 23.0 63.0#

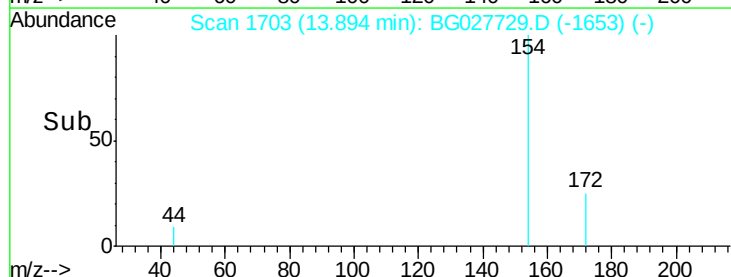
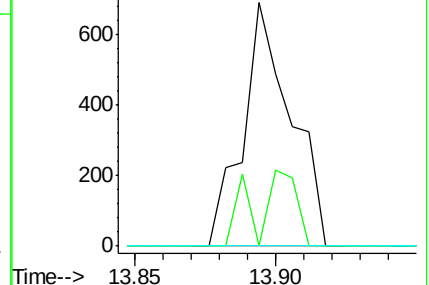
76 0.0 0.0 33.5

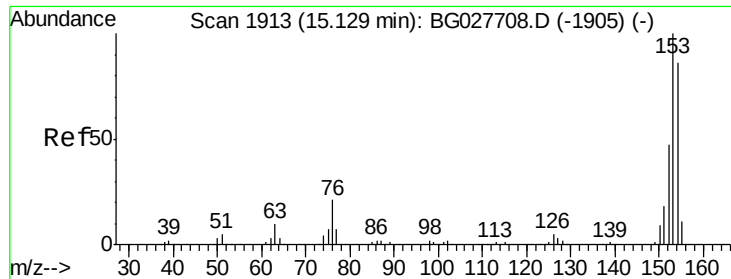


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





#51

Acenaphthene

Concen: 0.028 ng

RT: 15.12 min Scan# 1911

Delta R.T. -0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

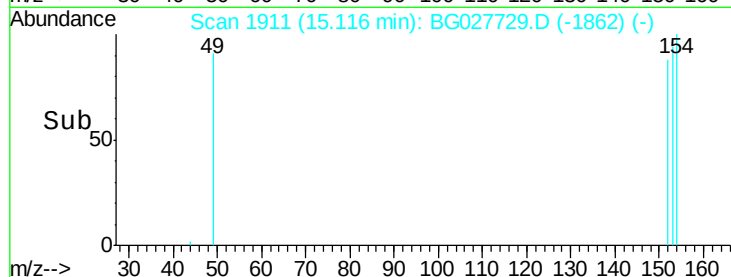
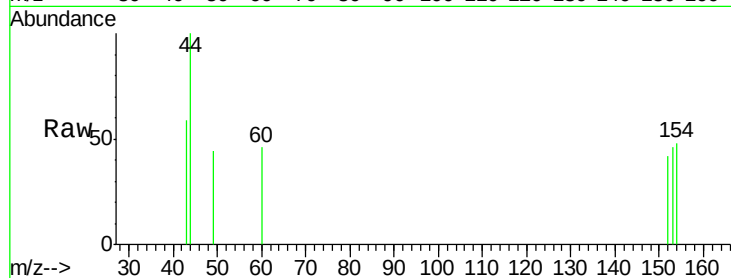
Tgt Ion:154 Resp: 180

Ion Ratio Lower Upper

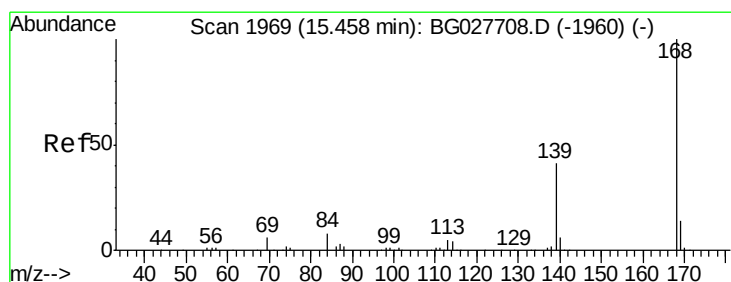
154 100

153 94.2 87.8 131.6

152 87.9 42.2 63.4#



Time-->



#54

Dibenzofuran

Concen: 0.007 ng

RT: 15.47 min Scan# 1971

Delta R.T. 0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

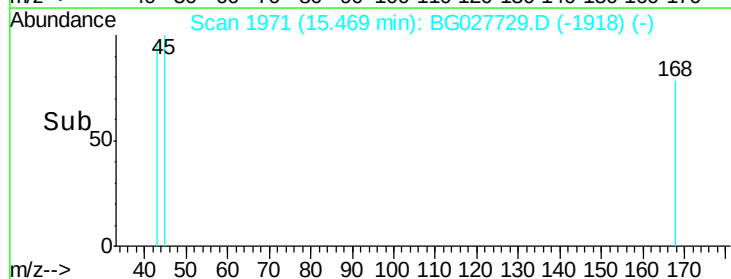
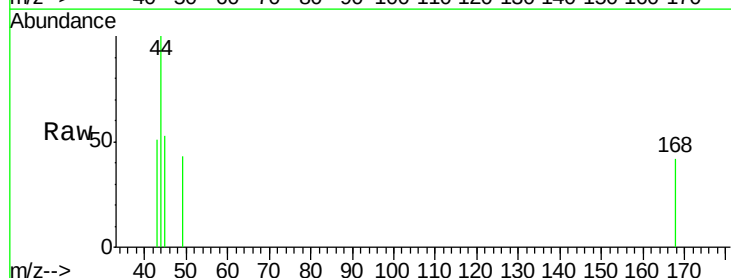
Tgt Ion:168 Resp: 59

Ion Ratio Lower Upper

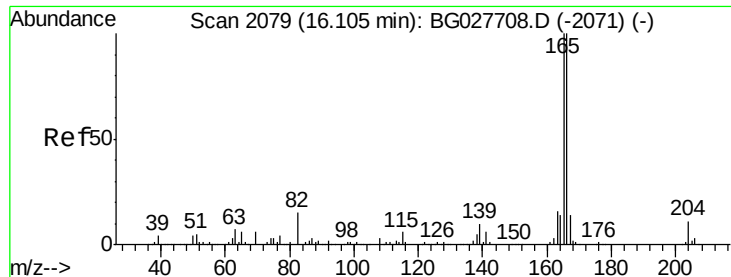
168 100

139 0.0 35.3 52.9#

169 0.0 11.5 17.3#



Time-->



#57

Fluorene

Concen: 0.007 ng

RT: 16.10 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

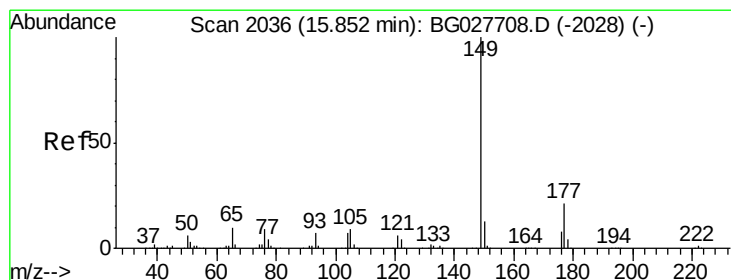
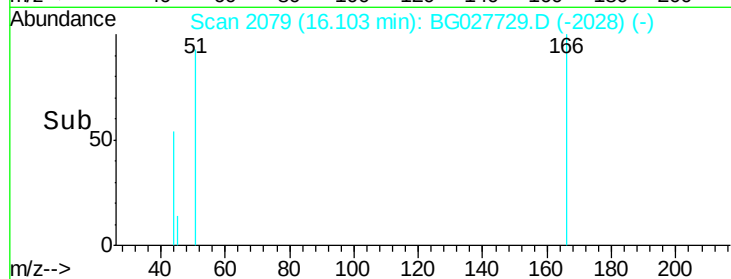
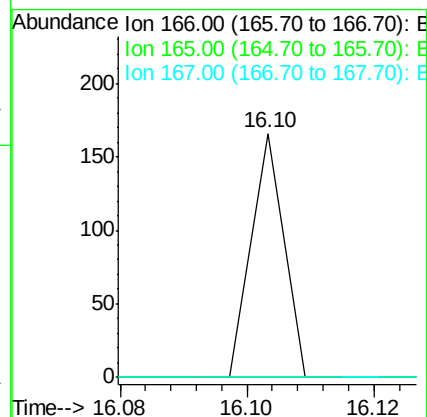
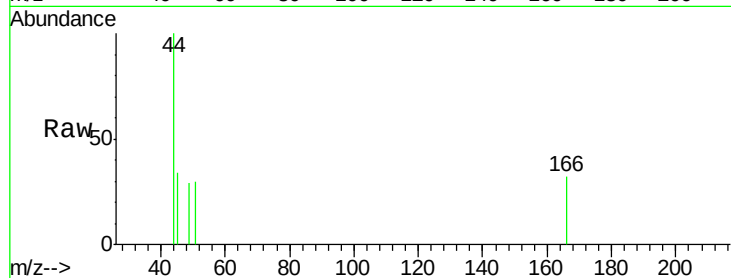
Instrument :

BNA_G

ClientSampleId :

HD-01-062617

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	78.6	117.8#
167	0.0	11.6	17.4#



#59

Diethylphthalate

Concen: 0.101 ng

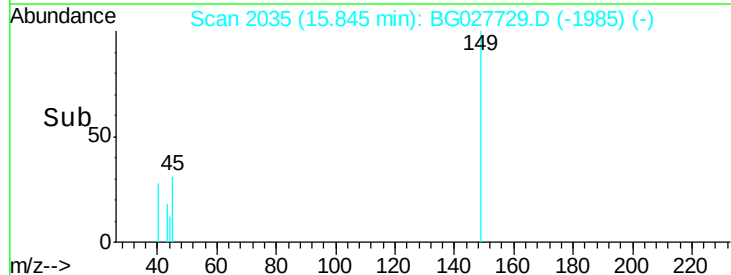
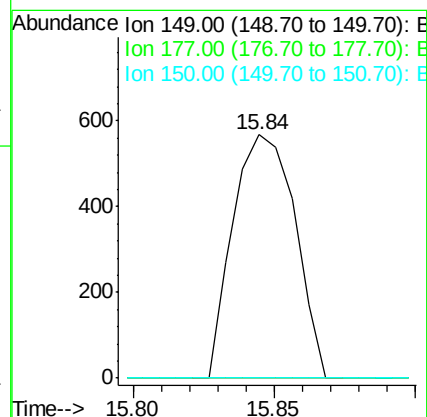
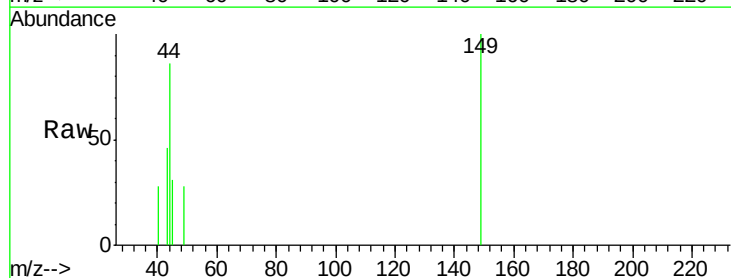
RT: 15.84 min Scan# 2035

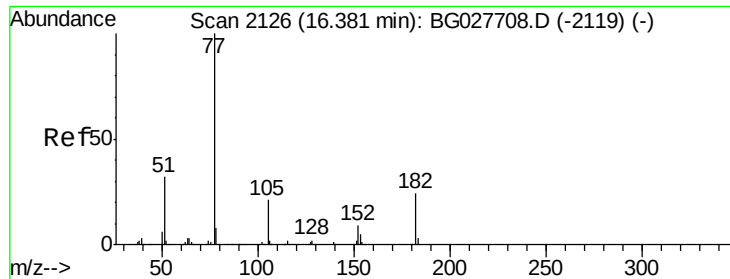
Delta R.T. -0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	20.1	30.1#
150	0.0	10.2	15.2#





#62

Azobenzene

Concen: 0.144 ng

RT: 16.54 min Scan# 2153

Delta R.T. 0.16 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

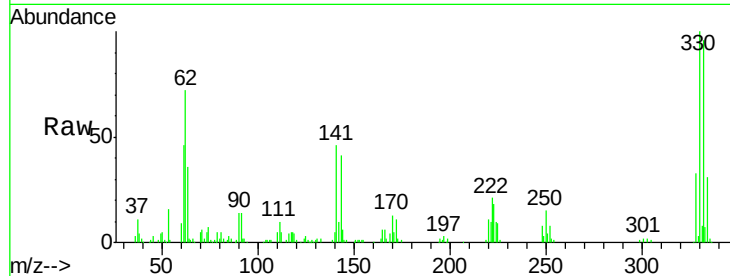
BNA_G

ClientSampleId :

HD-01-062617

Tgt Ion: 77 Resp: 1078

Ion	Ratio	Lower	Upper
77	100		
182	0.0	4.7	44.7#
105	88.7	0.0	36.3#
51	74.1	16.4	56.4#

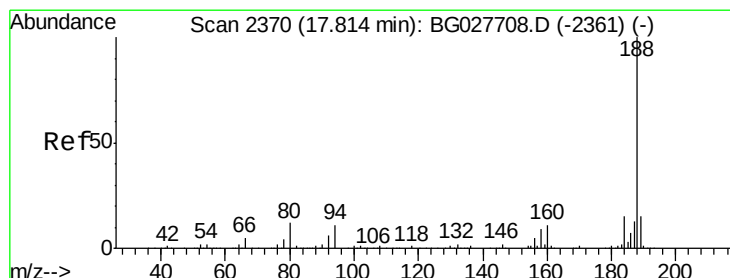
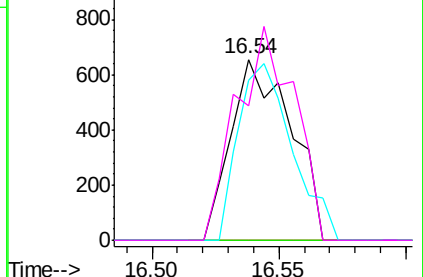
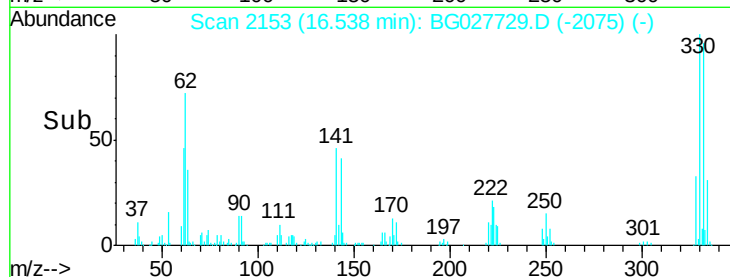


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.81 min Scan# 2369

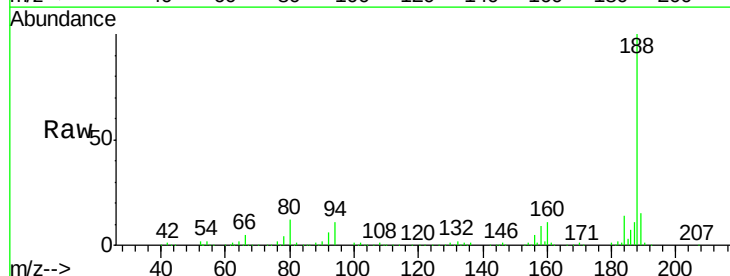
Delta R.T. -0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Tgt Ion: 188 Resp: 250517

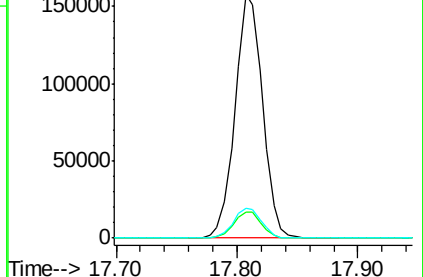
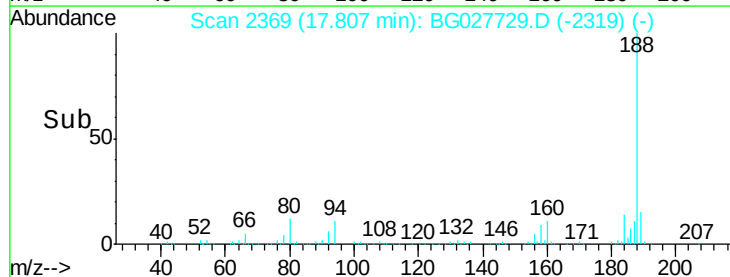
Ion	Ratio	Lower	Upper
188	100		
94	10.9	5.8	8.8#
80	12.5	7.5	11.3#

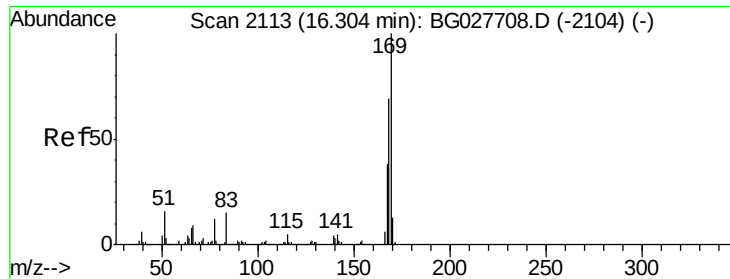


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

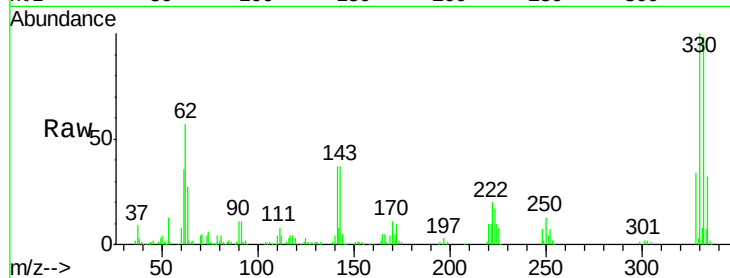




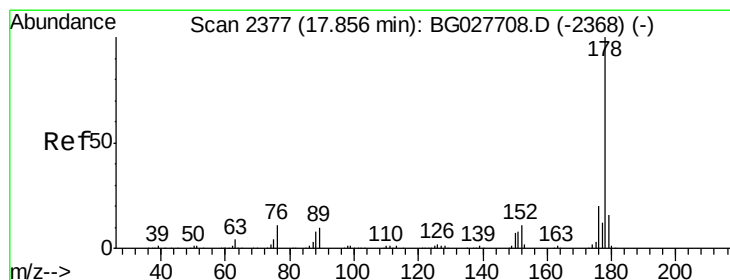
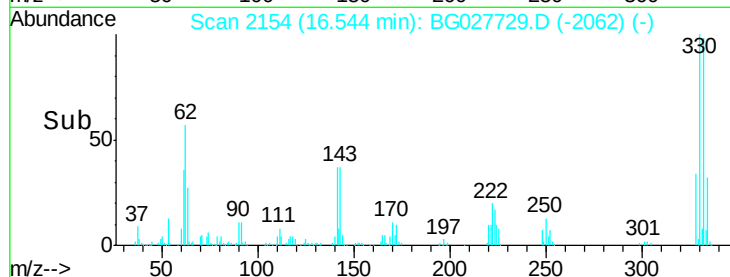
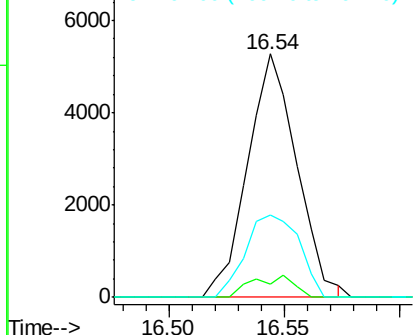
#65
 n-Nitrosodiphenylamine
 Concen: 0.958 ng
 RT: 16.54 min Scan# 2154
 Delta R.T. 0.24 min
 Lab File: BG027729.D
 Acq: 29 Jun 2017 6:40

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-062617

Tgt Ion:169 Resp: 7805
 Ion Ratio Lower Upper
 169 100
 168 5.6 55.7 83.5#
 167 33.7 29.8 44.6

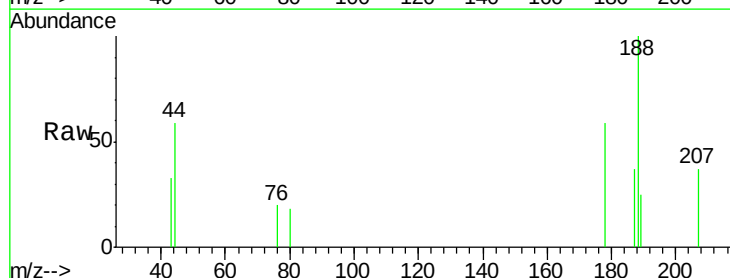


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

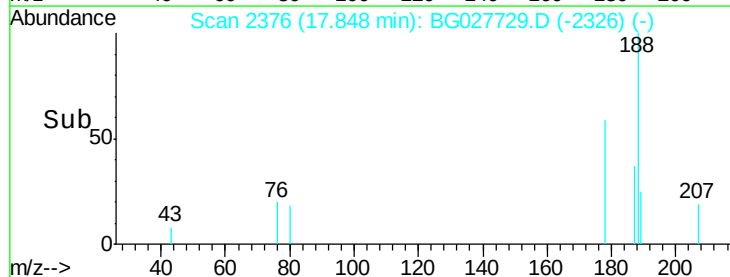
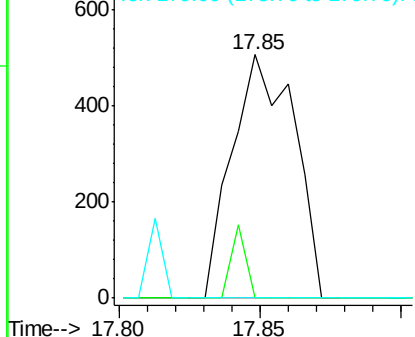


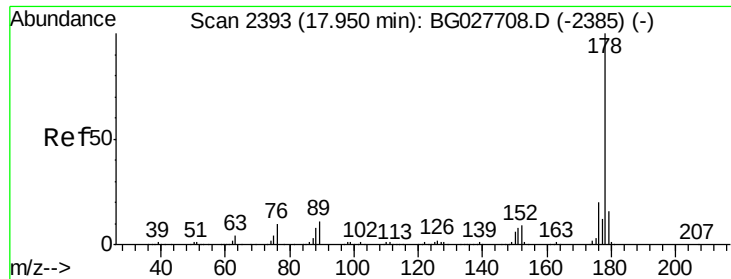
#70
 Phenanthrene
 Concen: 0.053 ng
 RT: 17.85 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BG027729.D
 Acq: 29 Jun 2017 6:40

Tgt Ion:178 Resp: 773
 Ion Ratio Lower Upper
 178 100
 176 0.0 17.7 26.5#
 179 0.0 15.0 22.6#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.053 ng

RT: 17.85 min Scan# 2376

Delta R.T. -0.10 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

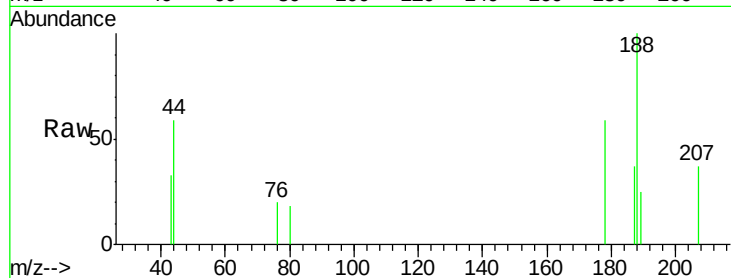
Tgt Ion:178 Resp: 773

Ion Ratio Lower Upper

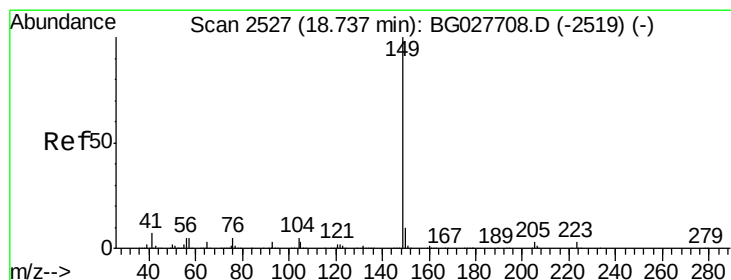
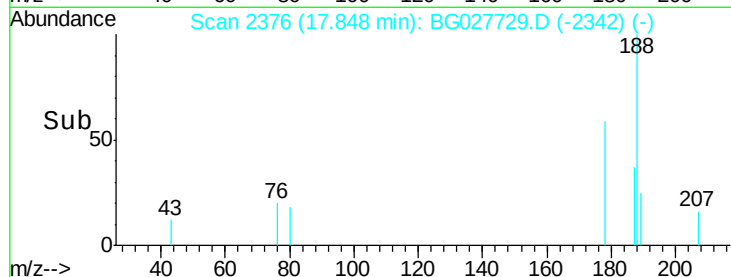
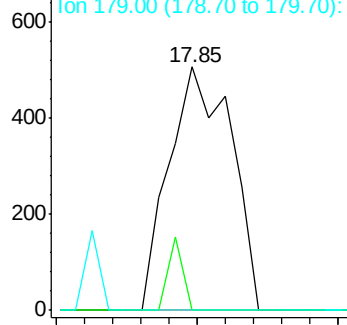
178 100

176 0.0 16.4 24.6#

179 0.0 13.8 20.8#



Abundance Ion 178.00 (177.70 to 178.70): E



#73

Di-n-butylphthalate

Concen: 0.085 ng

RT: 18.74 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

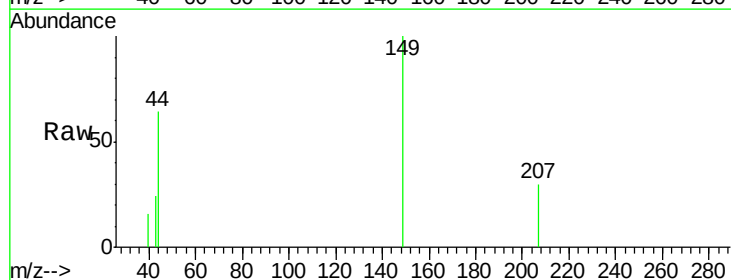
Tgt Ion:149 Resp: 1343

Ion Ratio Lower Upper

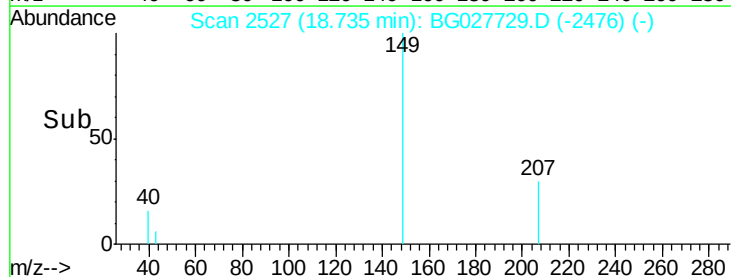
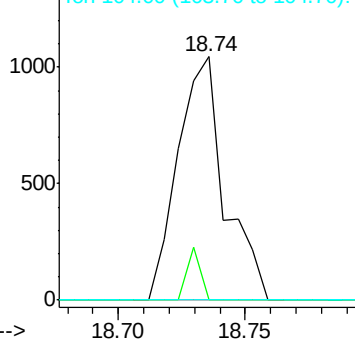
149 100

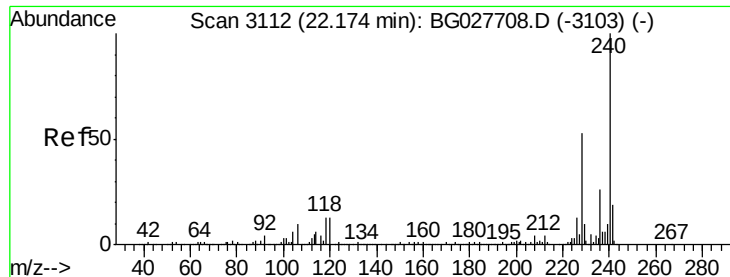
150 0.0 9.1 13.7#

104 0.0 6.7 10.1#



Abundance Ion 149.00 (148.70 to 149.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.17 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

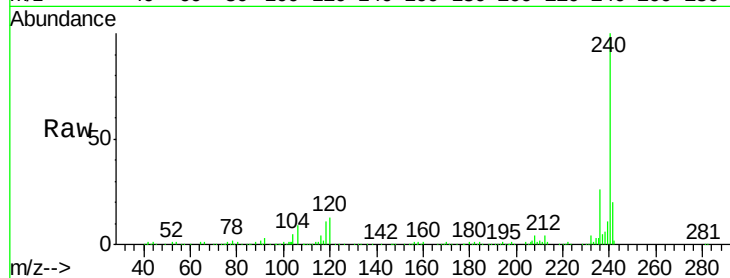
Tgt Ion:240 Resp: 278372

Ion Ratio Lower Upper

240 100

120 13.3 5.7 8.5#

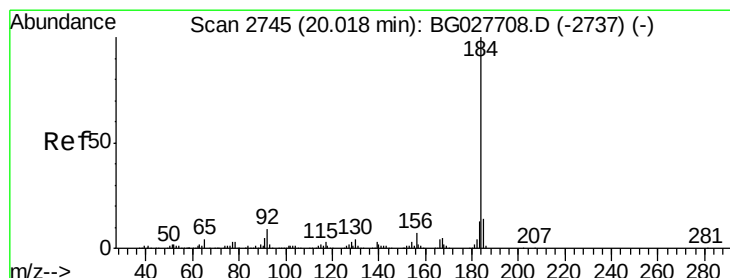
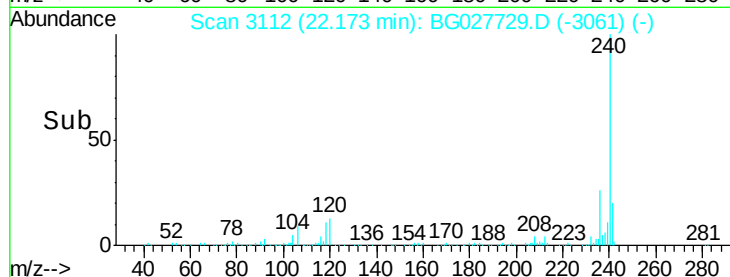
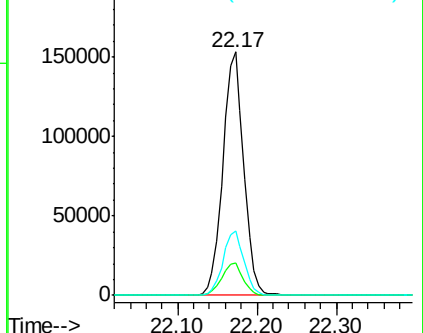
236 26.2 22.2 33.4



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



#76

Benzidine

Concen: 58.857 ng

RT: 20.02 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

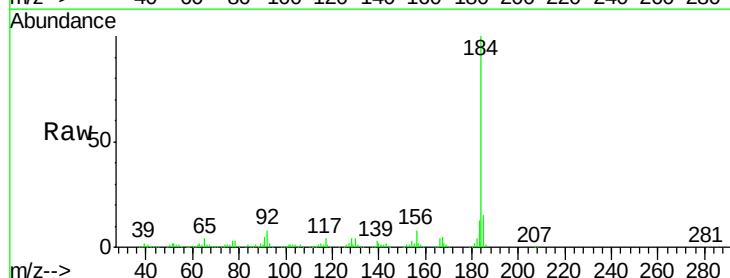
Tgt Ion:184 Resp: 395172

Ion Ratio Lower Upper

184 100

185 14.7 13.0 19.6

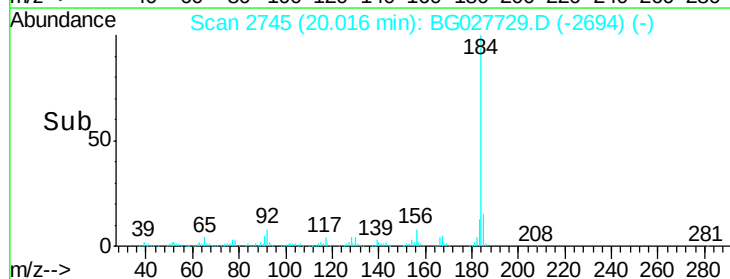
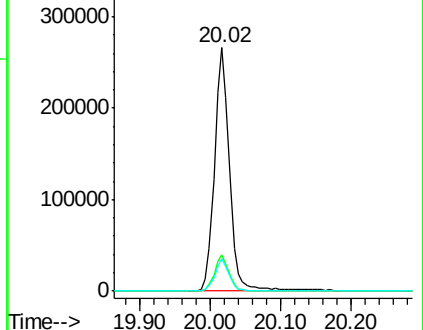
183 13.2 11.0 16.6

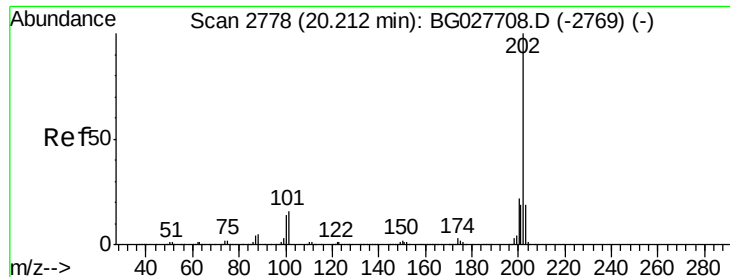


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 0.260 ng

RT: 20.39 min Scan# 2809

Delta R.T. 0.18 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

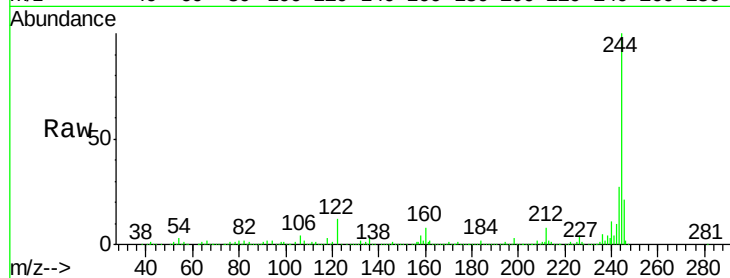
Tgt Ion:202 Resp: 4543

Ion Ratio Lower Upper

202 100

200 47.1 19.6 29.4#

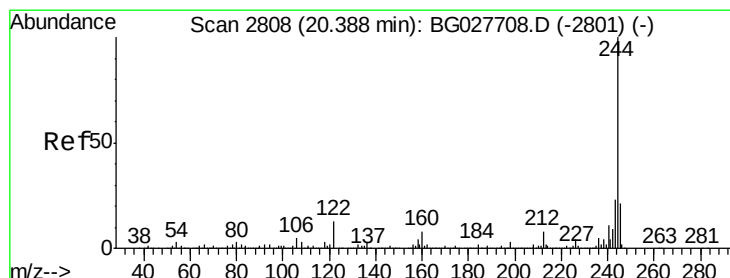
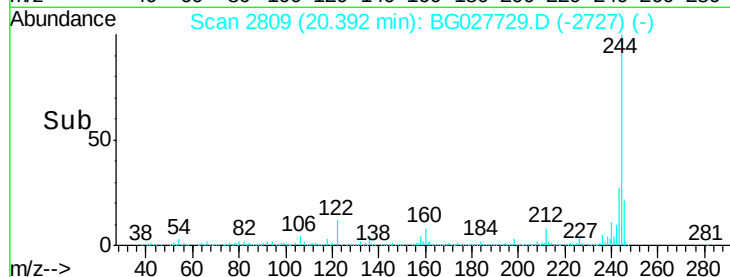
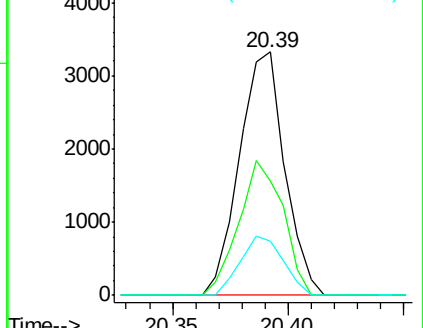
203 22.3 15.8 23.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 107.401 ng

RT: 20.39 min Scan# 2808

Delta R.T. -0.00 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

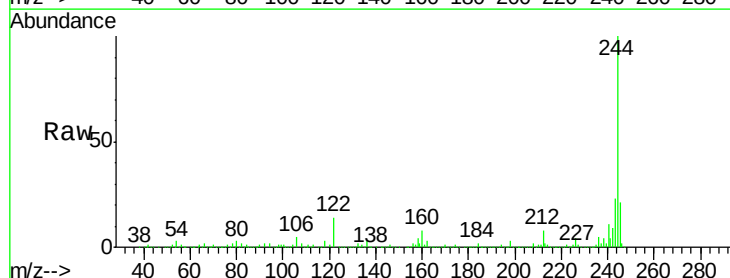
Tgt Ion:244 Resp: 1275288

Ion Ratio Lower Upper

244 100

212 7.7 10.0 15.0#

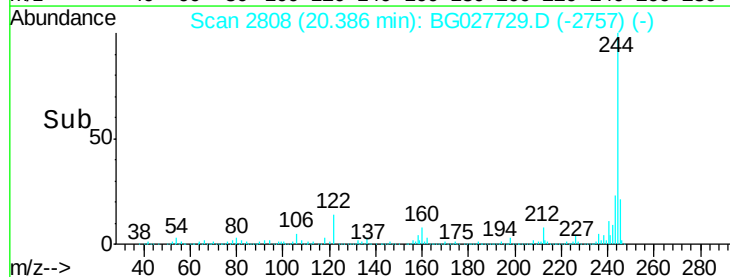
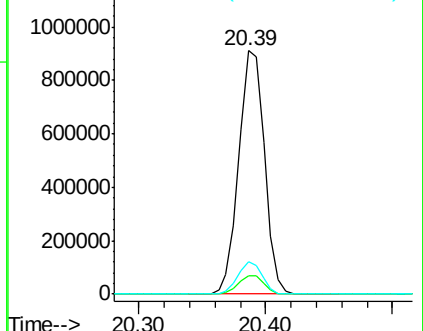
122 13.5 8.6 12.8#

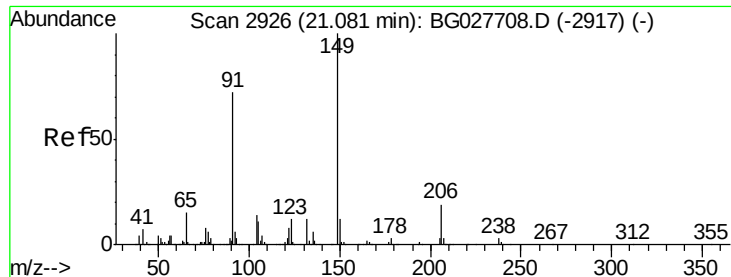


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 0.017 ng

RT: 21.07 min Scan# 2925

Delta R.T. -0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

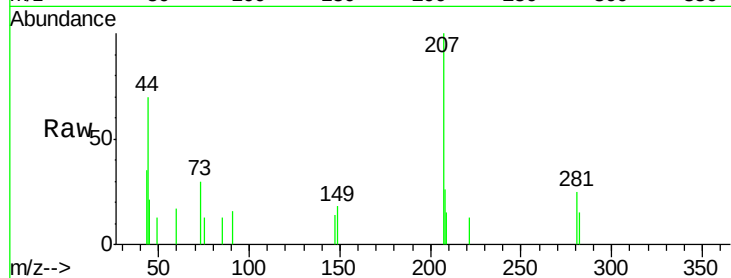
Tgt Ion:149 Resp: 130

Ion Ratio Lower Upper

149 100

91 88.6 63.5 95.3

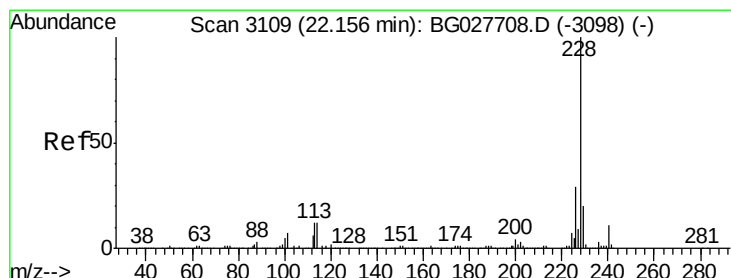
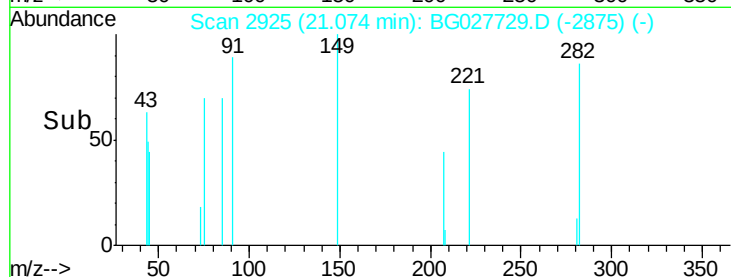
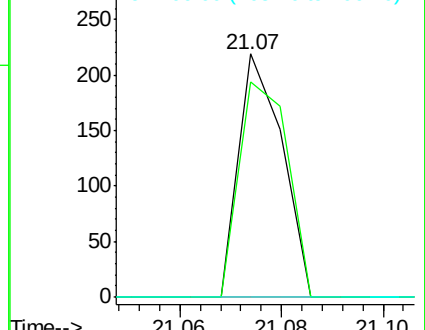
206 0.0 21.0 31.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BGC

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.044 ng

RT: 22.17 min Scan# 3112

Delta R.T. 0.02 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

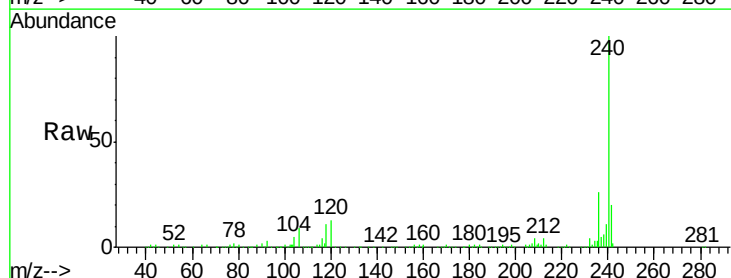
Tgt Ion:228 Resp: 747

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

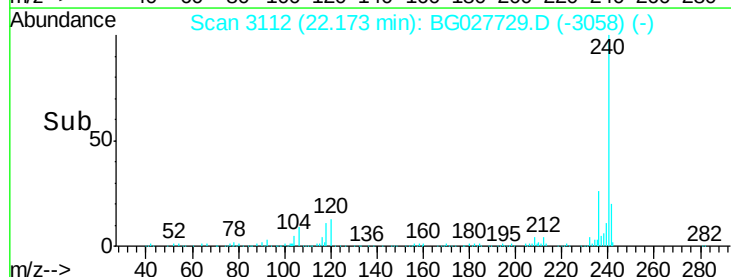
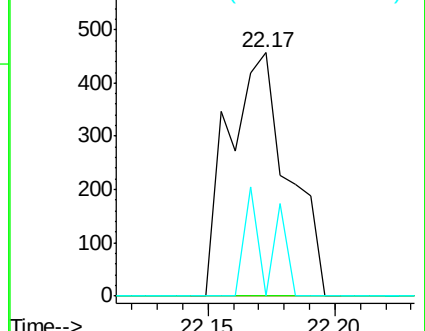
229 0.0 18.2 27.2#

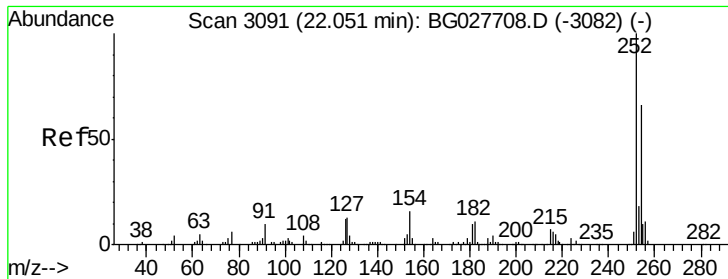


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

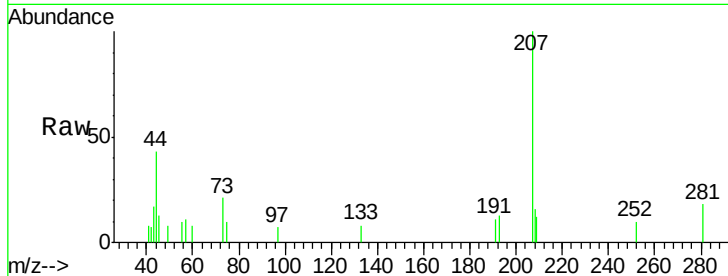




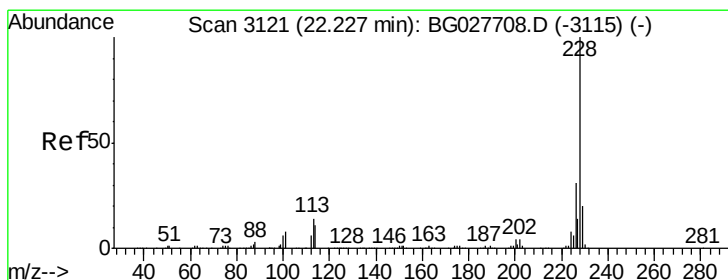
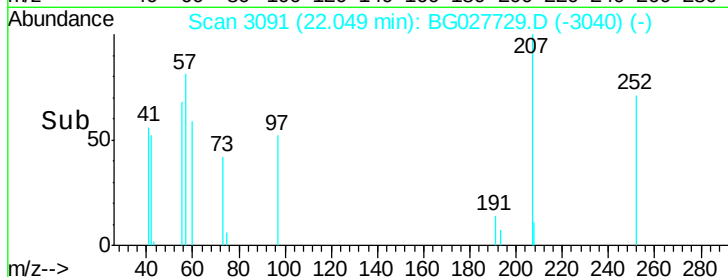
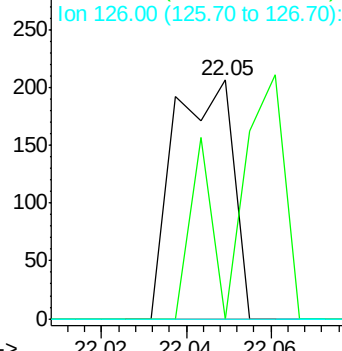
#81
 3,3'-Dichlorobenzidine
 Concen: 0.033 ng
 RT: 22.05 min Scan# 3091
 Delta R.T. -0.00 min
 Lab File: BG027729.D
 Acq: 29 Jun 2017 6:40

Instrument :
 BNA_G
 ClientSampled :
 HD-01-062617

Tgt Ion: 252 Resp: 201
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.1 79.7#
 126 0.0 7.0 10.4#

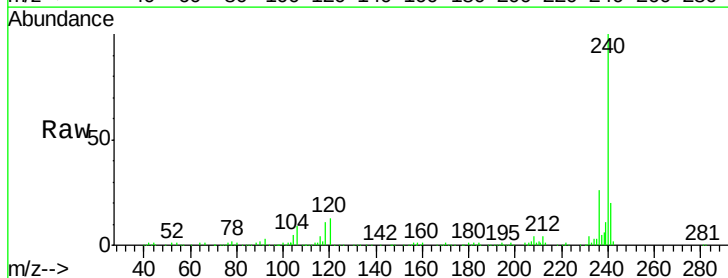


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

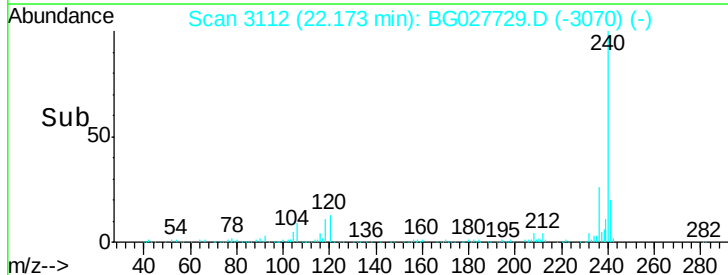
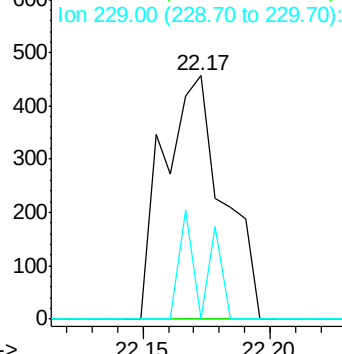


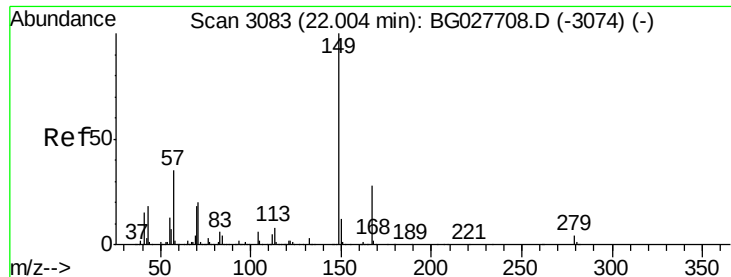
#82
 Chrysene
 Concen: 0.047 ng
 RT: 22.17 min Scan# 3112
 Delta R.T. -0.05 min
 Lab File: BG027729.D
 Acq: 29 Jun 2017 6:40

Tgt Ion: 228 Resp: 747
 Ion Ratio Lower Upper
 228 100
 226 0.0 27.0 40.4#
 229 0.0 17.8 26.6#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.110 ng

RT: 22.00 min Scan# 3082

Delta R.T. -0.01 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

Instrument :

BNA_G

ClientSampleId :

HD-01-062617

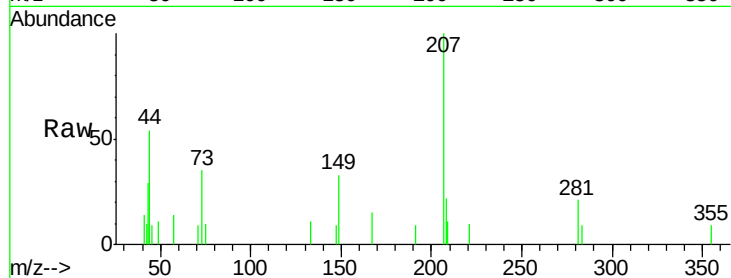
Tgt Ion:149 Resp: 1263

Ion Ratio Lower Upper

149 100

167 45.0 23.7 35.5#

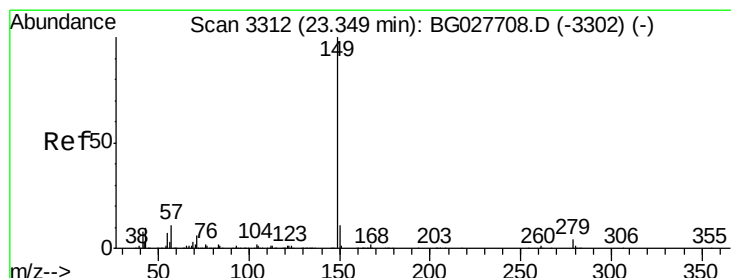
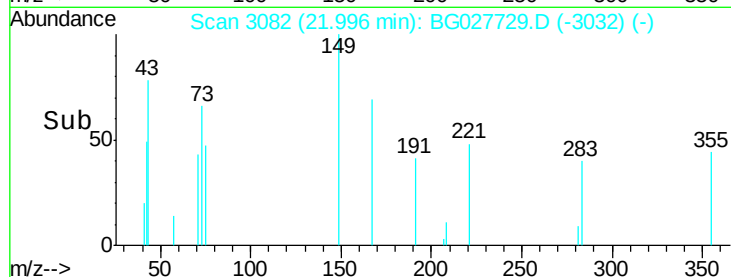
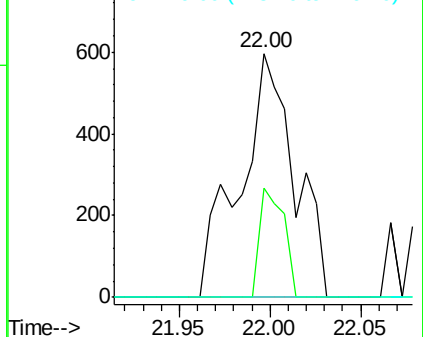
279 0.0 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.003 ng

RT: 23.33 min Scan# 3309

Delta R.T. -0.02 min

Lab File: BG027729.D

Acq: 29 Jun 2017 6:40

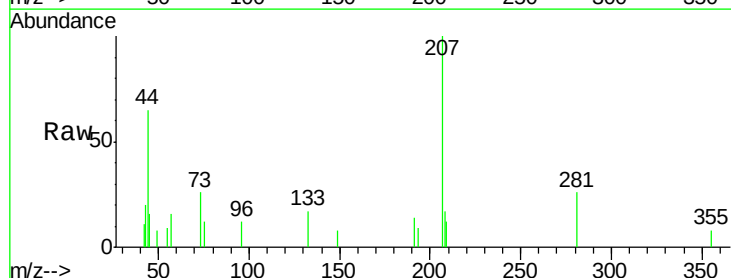
Tgt Ion:149 Resp: 57

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

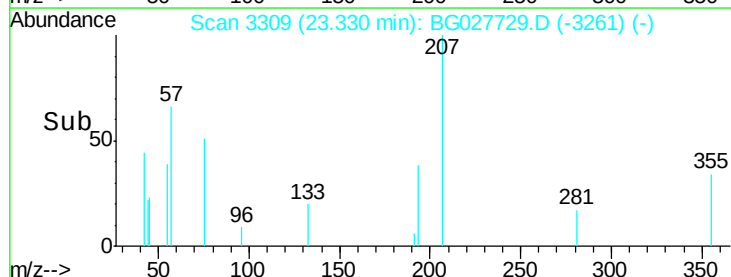
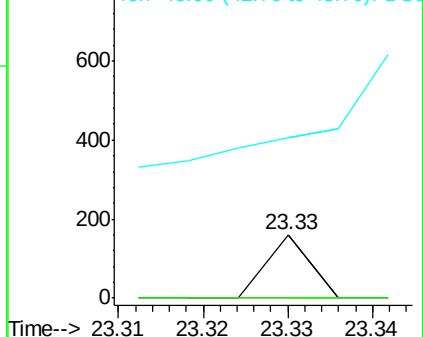
43 777.2 11.8 17.6#

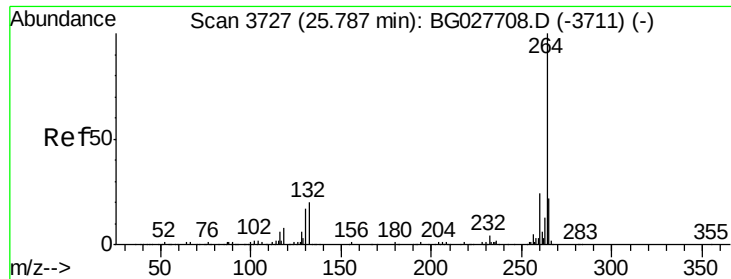


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



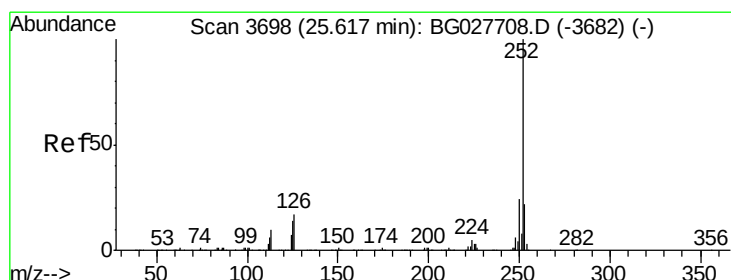
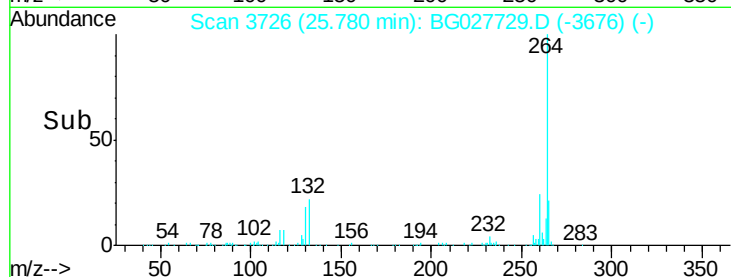
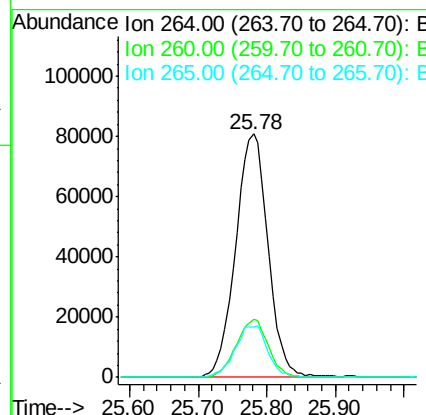
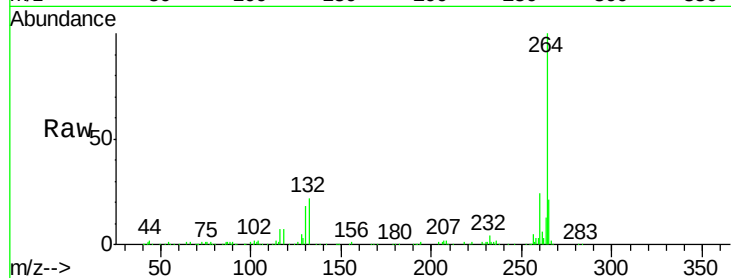


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.78 min Scan# 3726
Delta R.T. -0.01 min
Lab File: BG027729.D
Acq: 29 Jun 2017 6:40

Instrument :
BNA_G
ClientSampleId :
HD-01-062617

Tgt Ion: 264 Resp: 264968

Ion	Ratio	Lower	Upper
264	100		
260	23.6	21.8	32.8
265	20.9	18.2	27.4



#89
Benzo(a)pyrene
Concen: 0.056 ng
RT: 25.77 min Scan# 3725
Delta R.T. 0.16 min
Lab File: BG027729.D
Acq: 29 Jun 2017 6:40

Tgt Ion: 252 Resp: 904

Ion	Ratio	Lower	Upper
252	100		
253	41.5	19.2	28.8#
125	0.0	5.4	8.0#

