

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062817\
 Data File : BG027728.D
 Acq On : 29 Jun 2017 6:01
 Operator : SJ/JU
 Sample : PB100128BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 29 07:14:49 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	30707	20.00	ng	0.00
21) Naphthalene-d8	11.29	136	142788	20.00	ng	0.00
38) Acenaphthene-d10	15.06	164	84741	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	239808	20.00	ng	0.00
75) Chrysene-d12	22.17	240	261374	20.00	ng	0.00
86) Perylene-d12	25.78	264	252508	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.06	112	286052	143.45	ng	0.00
7) Phenol-d6	7.62	99	397548	130.50	ng	0.00
23) Nitrobenzene-d5	9.64	82	226239	88.32	ng	0.00
41) 2,4,6-Tribromophenol	16.55	330	172910	148.76	ng	0.00
44) 2-Fluorobiphenyl	13.69	172	547079	92.20	ng	0.00
78) Terphenyl-d14	20.39	244	1112500	99.78	ng	0.00

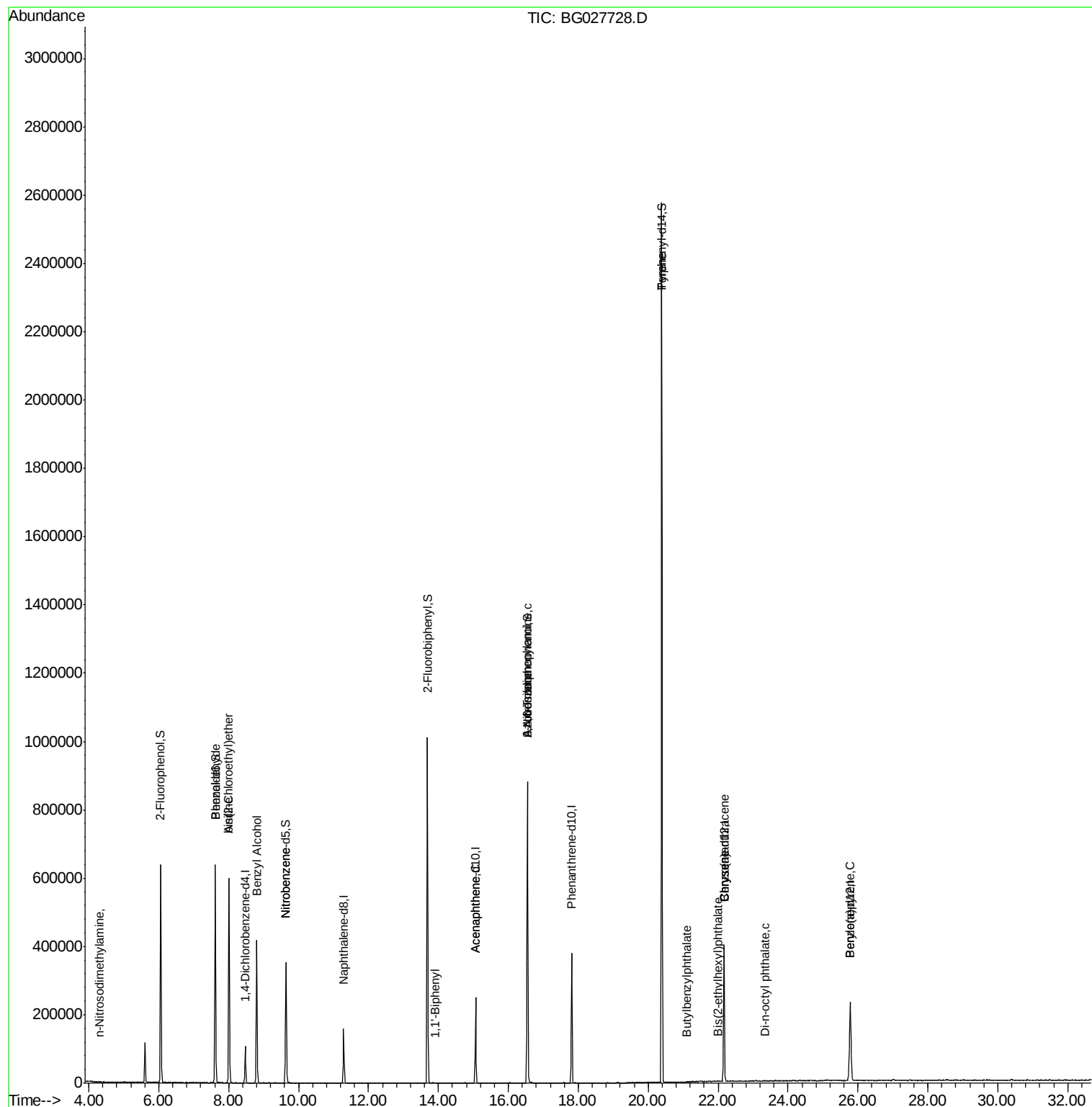
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	4.30	42	111	0.10	ng	# 1
6) Aniline	8.01	93	222	0.06	ng	# 1
9) Benzaldehyde	7.62	77	362	0.20	ng	# 10
11) bis(2-Chloroethyl)ether	8.01	93	222	0.10	ng	# 1
15) Benzyl Alcohol	8.81	79	3718	1.76	ng	# 56
24) Nitrobenzene	9.63	77	628	0.23	ng	# 3
45) 1,1'-Biphenyl	13.89	154	686	0.10	ng	# 86
51) Acenaphthene	15.06	154	205	0.03	ng	# 6
62) Azobenzene	16.54	77	878	0.12	ng	# 18
65) n-Nitrosodiphenylamine	16.54	169	6524	0.84	ng	# 44
77) Pyrene	20.39	202	4017	0.24	ng	# 72
79) Butylbenzylphthalate	21.10	149	56	0.01	ng	# 19
80) Benzo(a)anthracene	22.17	228	679	0.04	ng	# 47
82) Chrysene	22.17	228	679	0.05	ng	# 46
83) Bis(2-ethylhexyl)phthalate	22.01	149	401	0.04	ng	# 51
84) Di-n-octyl phthalate	23.35	149	143	0.01	ng	# 1
89) Benzo(a)pyrene	25.77	252	790	0.05	ng	# 58

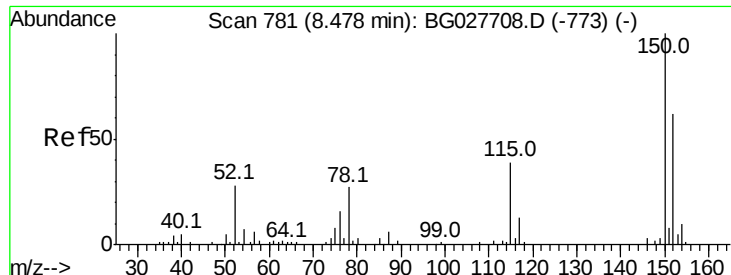
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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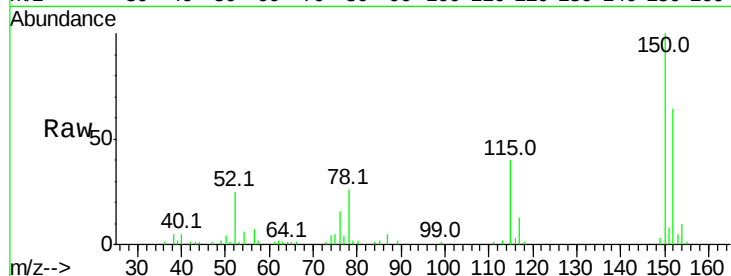


#1

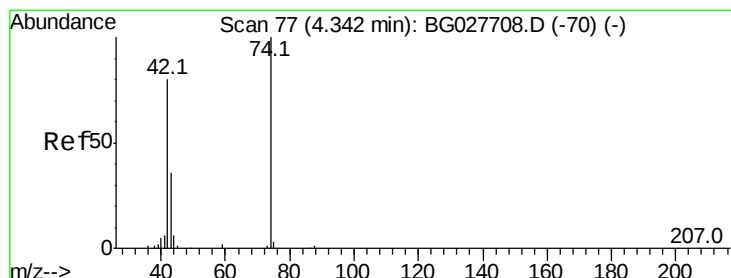
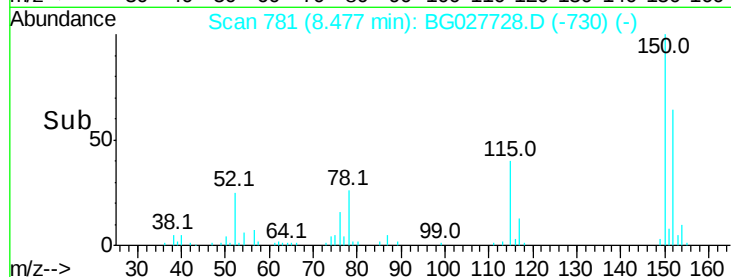
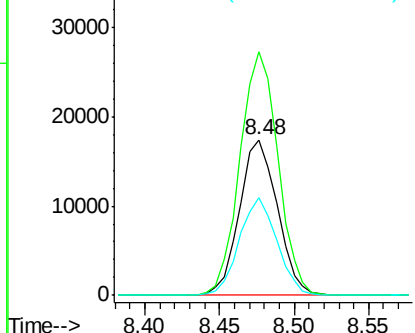
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.48 min Scan# 781
Delta R.T. -0.00 min
Lab File: BG027728.D
Acq: 29 Jun 2017 6:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 30707
Ion Ratio Lower Upper
152 100
150 156.3 114.0 171.0
115 62.6 48.1 72.1



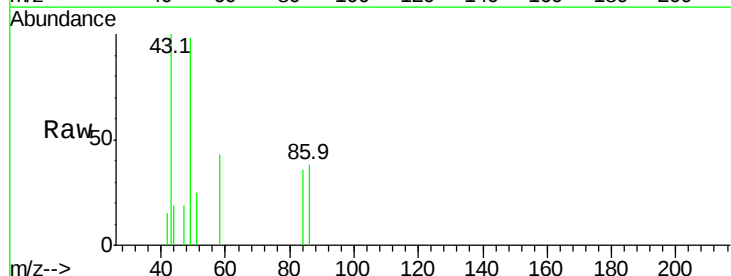
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



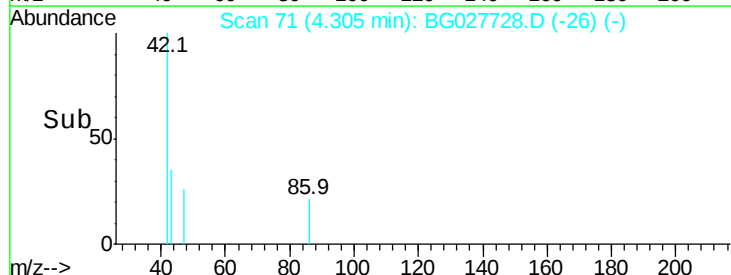
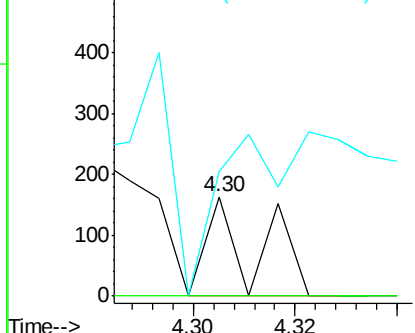
#4

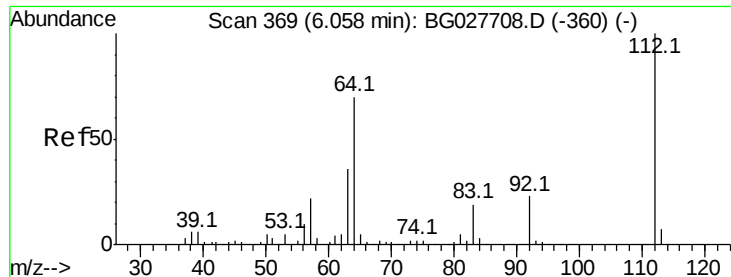
n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 4.30 min Scan# 71
Delta R.T. -0.04 min
Lab File: BG027728.D
Acq: 29 Jun 2017 6:01

Tgt Ion: 42 Resp: 111
Ion Ratio Lower Upper
42 100
74 0.0 76.7 115.1#
44 125.8 6.1 9.1#



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: 143.45 ng

RT: 6.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampleId :

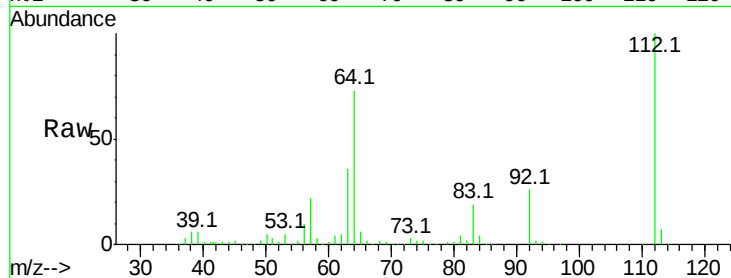
Tot Ion:112 Resp: 286052

Ion Ratio Lower Upper

112 100

64 72.9 61.8 92.6

63 36.5 37.2 55.8#

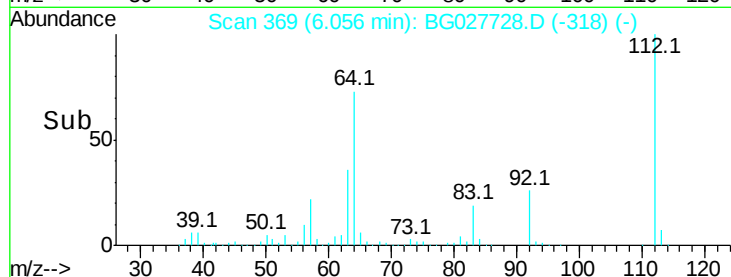


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Time-->



6.06

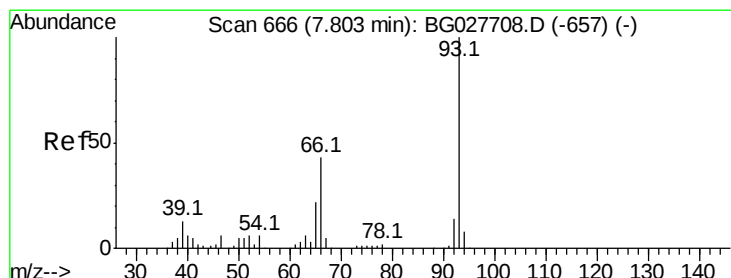
150000

100000

50000

0

Time-->



#6

Aniline

Concen: 0.06 ng

RT: 8.01 min Scan# 702

Delta R.T. 0.21 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

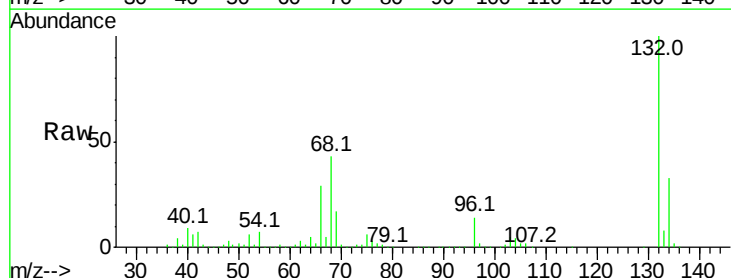
Tgt Ion: 93 Resp: 222

Ion Ratio Lower Upper

93 100

66 16723.5 35.4 53.2#

65 1337.9 21.2 31.8#

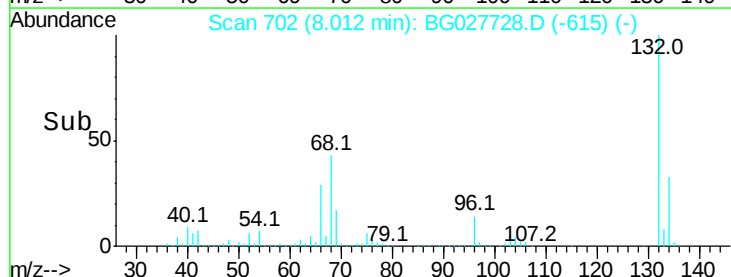


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Time-->



8.01

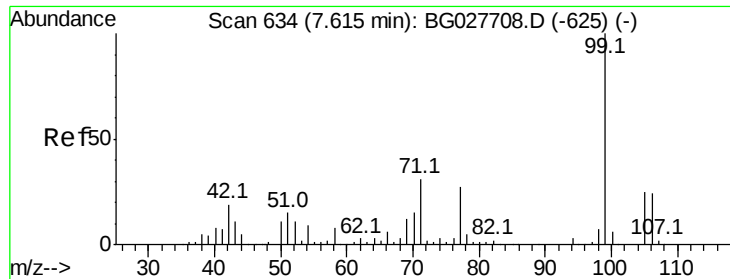
60000

40000

20000

0

Time-->



#7

Phenol-d6

Concen: 130.50 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.00 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampled :

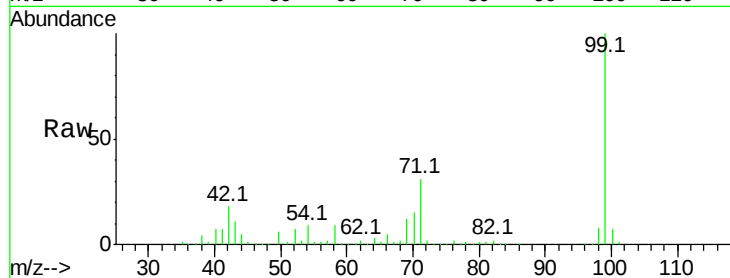
Tot Ion: 99 Resp: 397548

Ion Ratio Lower Upper

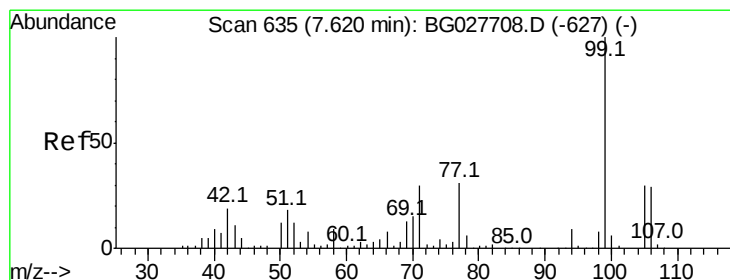
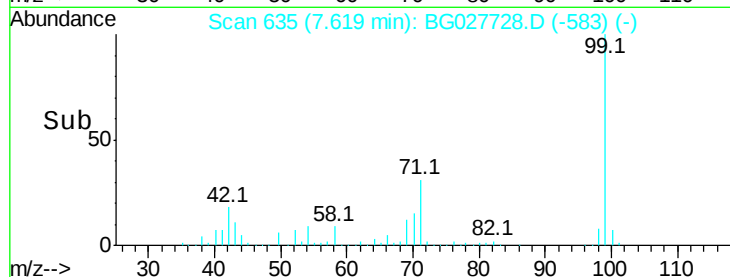
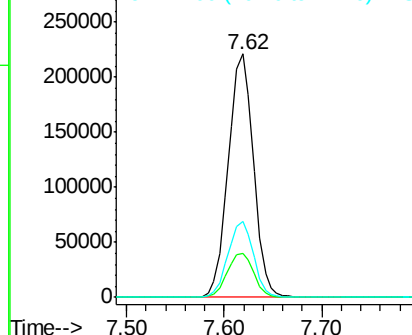
99 100

42 18.3 20.5 30.7#

71 30.9 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: 0.20 ng

RT: 7.62 min Scan# 636

Delta R.T. 0.00 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

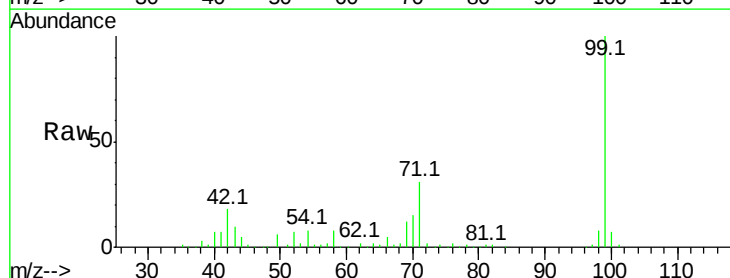
Tgt Ion: 77 Resp: 362

Ion Ratio Lower Upper

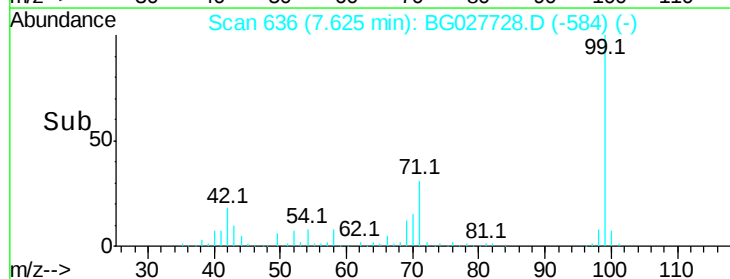
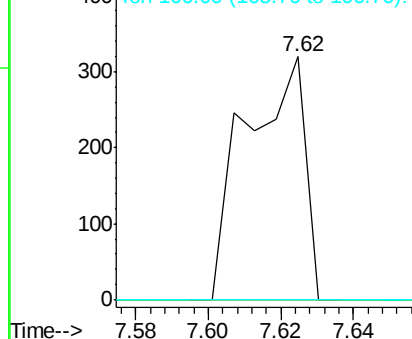
77 100

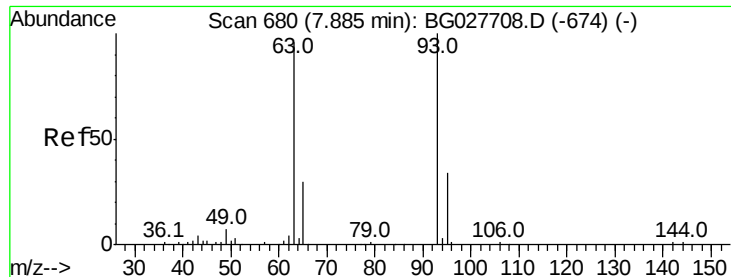
105 0.0 60.9 100.9#

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





#11

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 8.01 min Scan# 702

Delta R.T. 0.13 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampled :

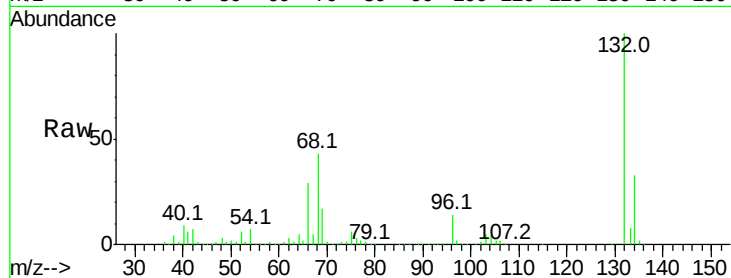
Tot Ion: 93 Resp: 222

Ion Ratio Lower Upper

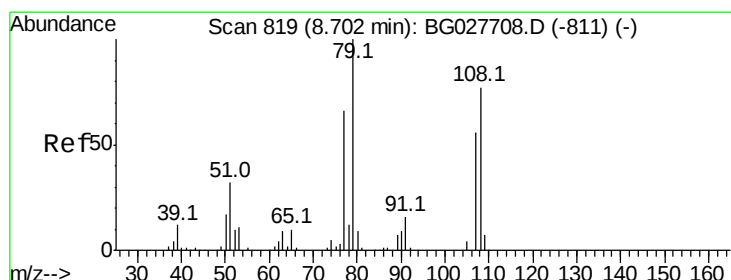
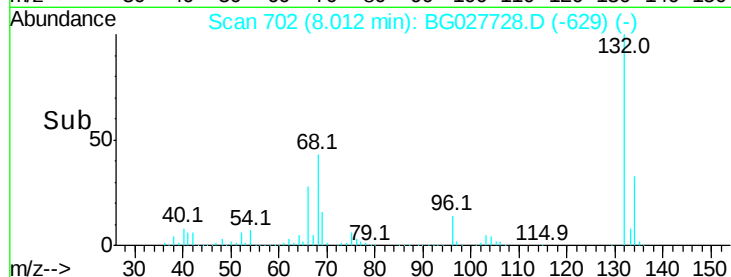
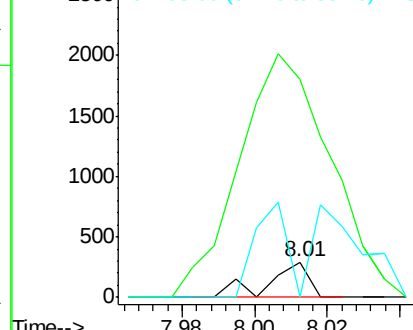
93 100

63 616.7 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: 1.76 ng

RT: 8.81 min Scan# 837

Delta R.T. 0.10 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

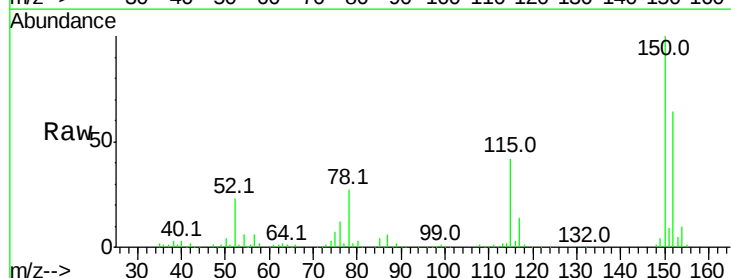
Tgt Ion: 79 Resp: 3718

Ion Ratio Lower Upper

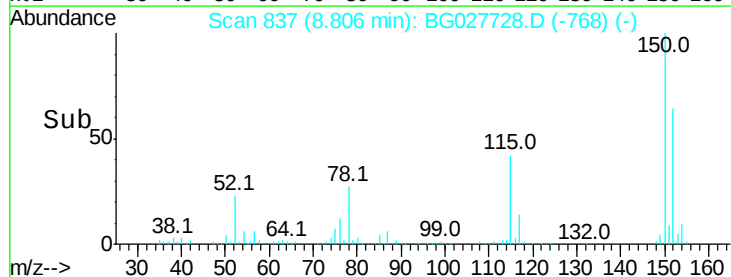
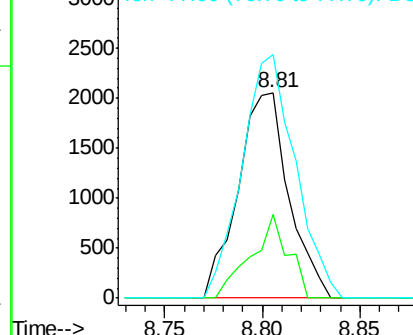
79 100

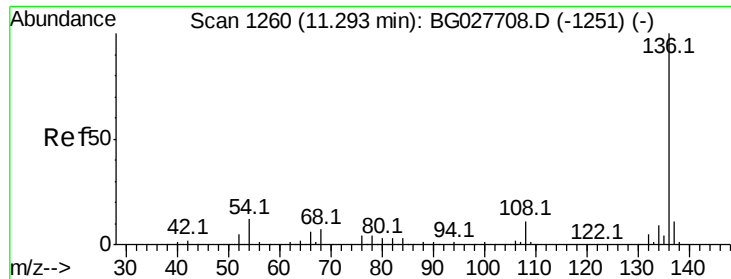
108 40.9 45.5 68.3#

77 118.3 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

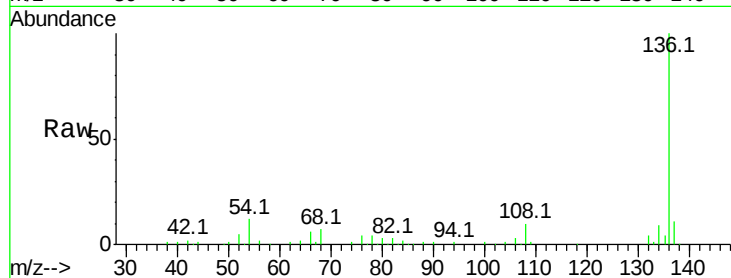




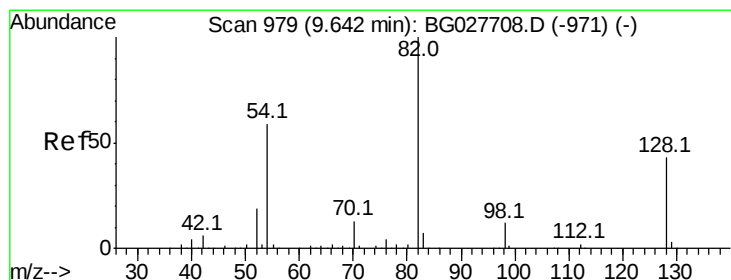
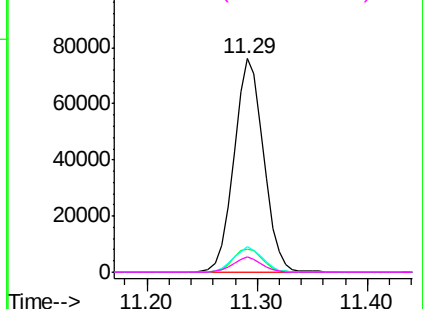
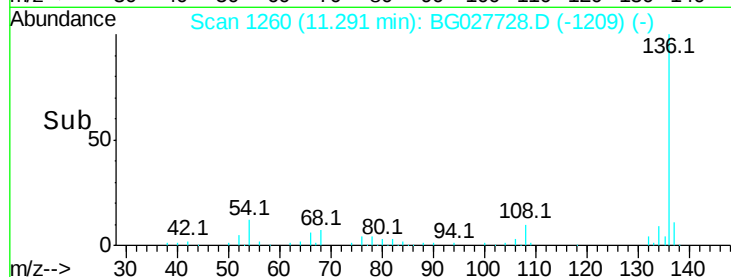
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.29 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BG027728.D
Acq: 29 Jun 2017 6:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	142788
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	12.0	9.3	13.9
68	7.4	5.1	7.7

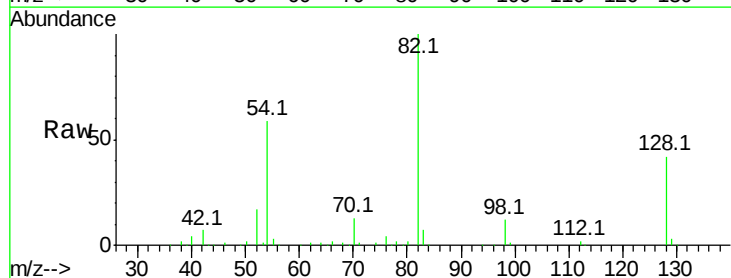


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

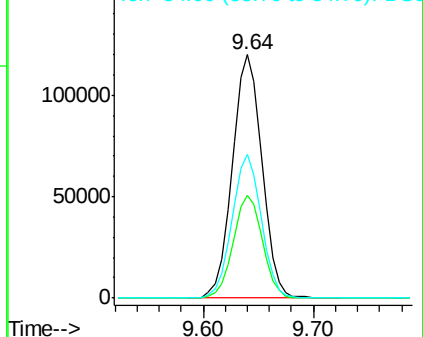
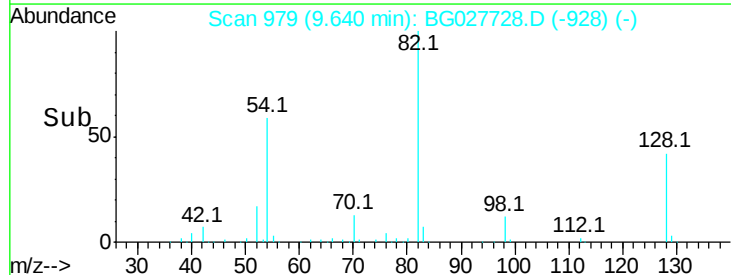


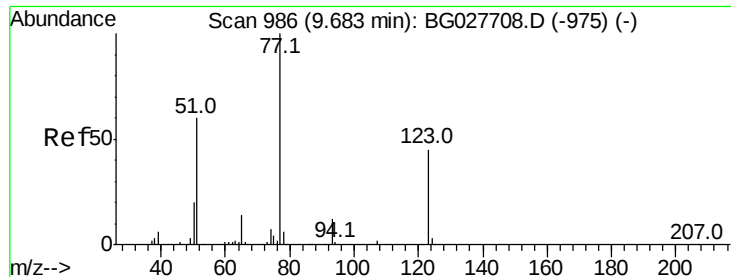
#23
Nitrobenzene-d5
Concen: 88.32 ng
RT: 9.64 min Scan# 979
Delta R.T. -0.00 min
Lab File: BG027728.D
Acq: 29 Jun 2017 6:01

Tgt Ion:	82	Resp:	226239
Ion	Ratio	Lower	Upper
82	100		
128	42.1	26.4	39.6#
54	59.3	49.4	74.2



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





#24

Nitrobenzene

Concen: 0.23 ng

RT: 9.63 min Scan# 978

Delta R.T. -0.05 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampled :

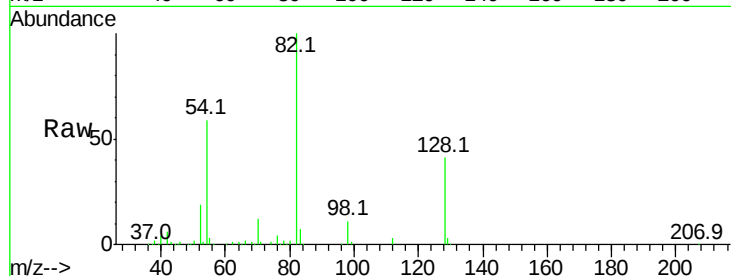
Tot Ion: 77 Resp: 628

Ion Ratio Lower Upper

77 100

123 0.0 26.1 39.1#

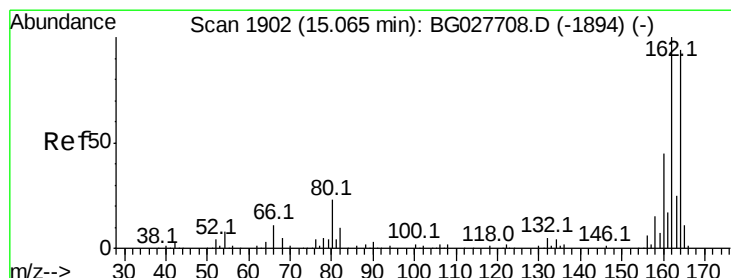
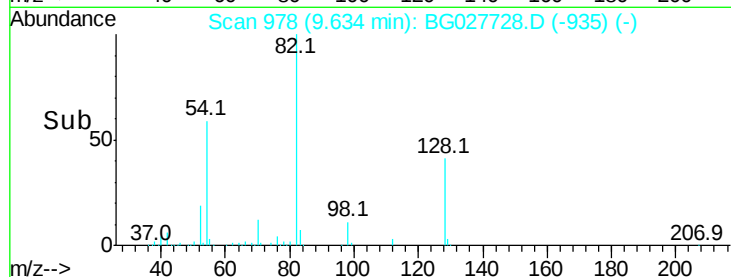
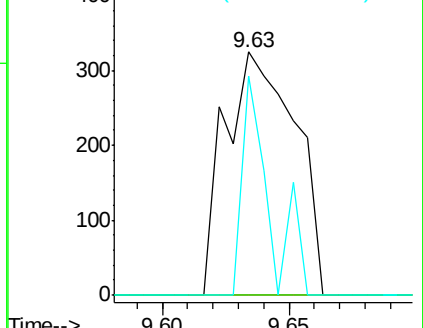
65 90.2 12.4 18.6#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.06 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

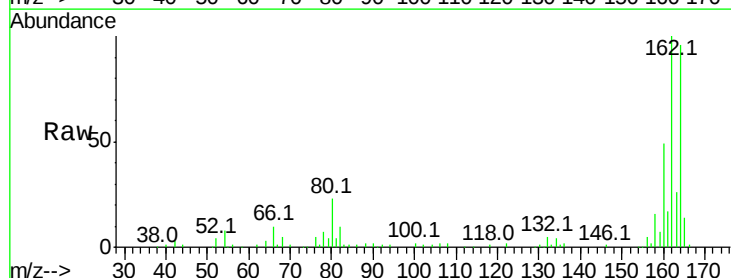
Tgt Ion: 164 Resp: 84741

Ion Ratio Lower Upper

164 100

162 104.7 85.1 127.7

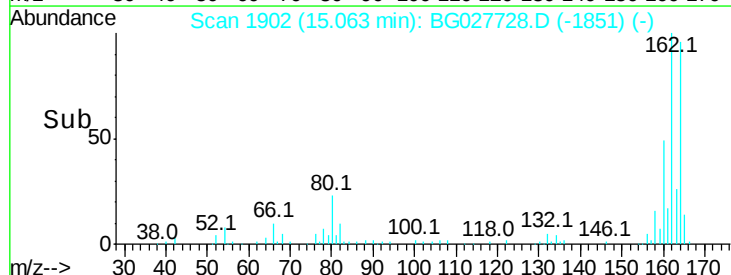
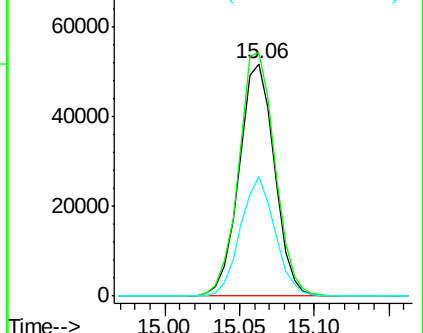
160 51.3 34.7 52.1

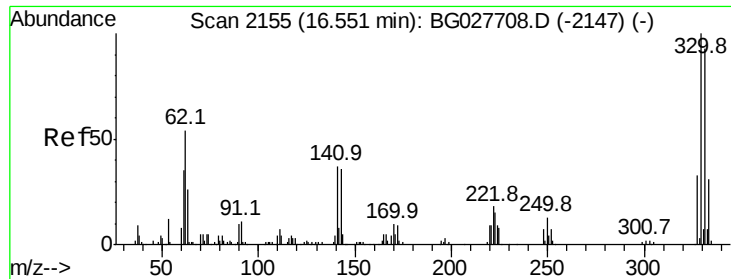


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

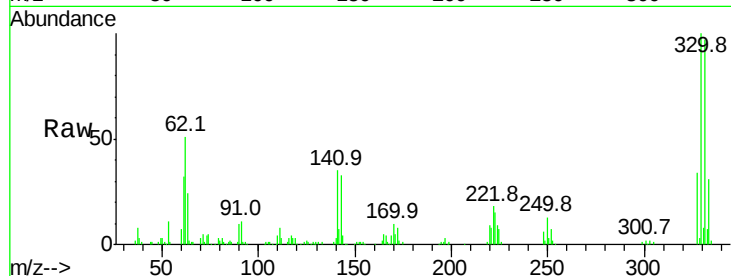




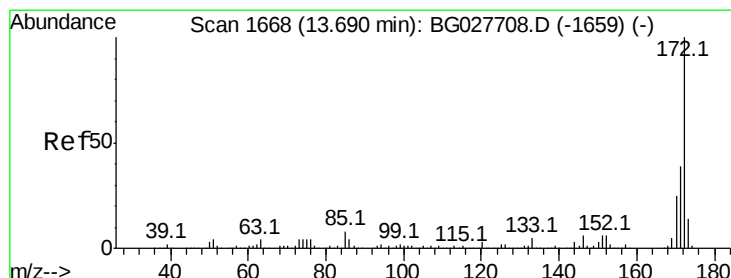
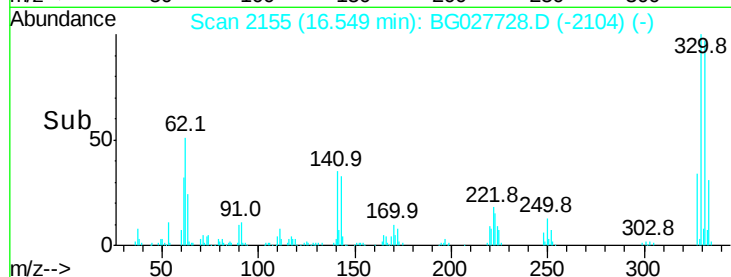
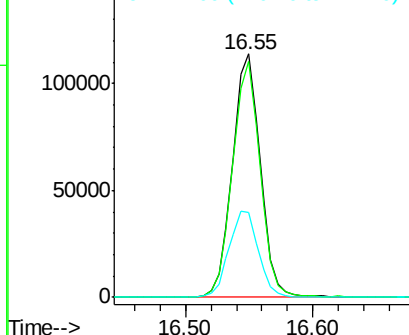
#41
 2,4,6-Tribromophenol
 Concen: 148.76 ng
 RT: 16.55 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: BG027728.D
 Acq: 29 Jun 2017 6:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.3	115.9
141	37.9	32.1	48.1

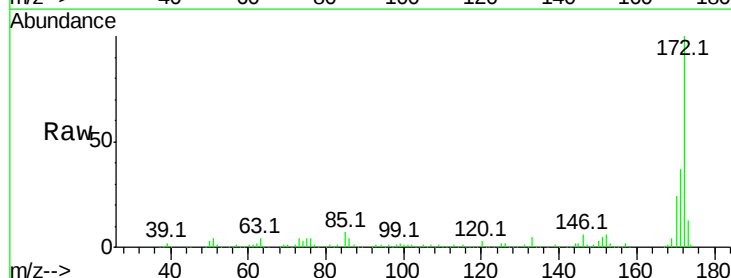


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

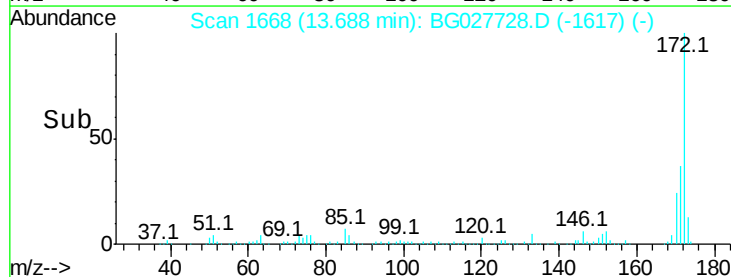
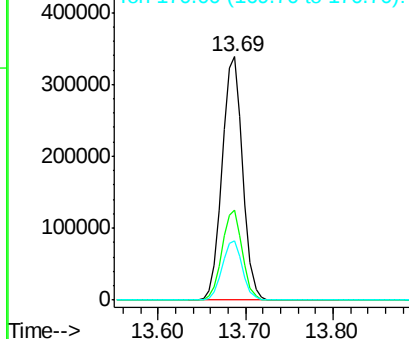


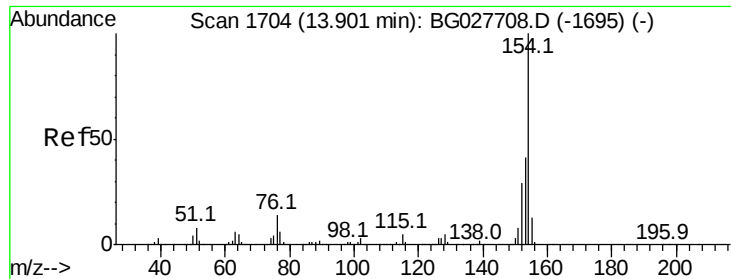
#44
 2-Fluorobiphenyl
 Concen: 92.20 ng
 RT: 13.69 min Scan# 1668
 Delta R.T. -0.00 min
 Lab File: BG027728.D
 Acq: 29 Jun 2017 6:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	32.2	48.2
170	24.2	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: 0.10 ng

RT: 13.89 min Scan# 1703

Delta R.T. -0.01 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampleId :

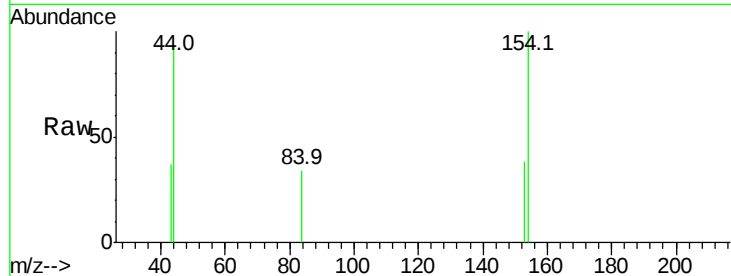
Tot Ion:154 Resp: 686

Ion Ratio Lower Upper

154 100

153 38.1 23.0 63.0

76 0.0 0.0 33.5

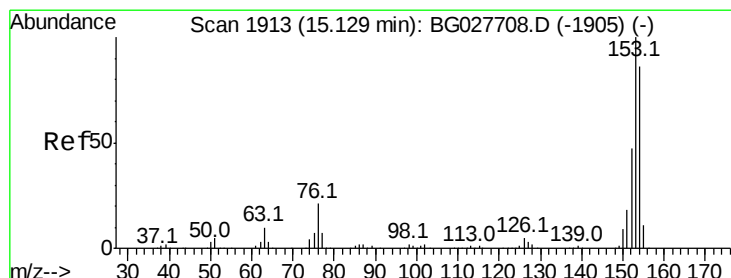
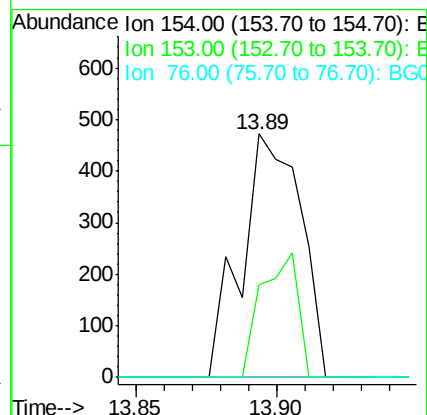
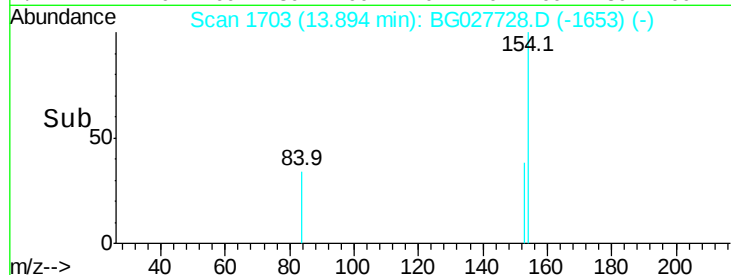


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): B

Time--> 13.85 13.90



#51

Acenaphthene

Concen: 0.03 ng

RT: 15.06 min Scan# 1901

Delta R.T. -0.07 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

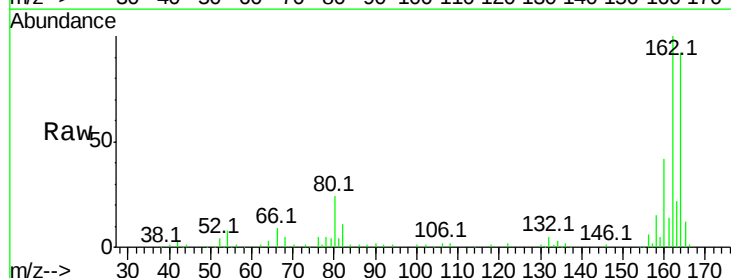
Tgt Ion:154 Resp: 205

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.6#

152 0.0 42.2 63.4#

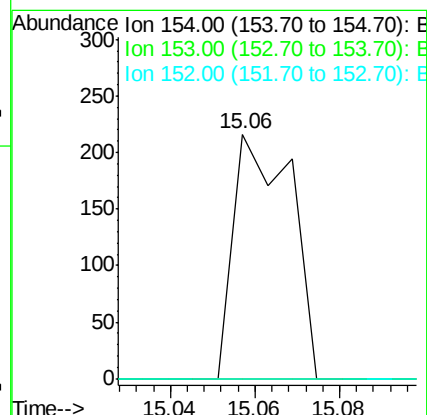
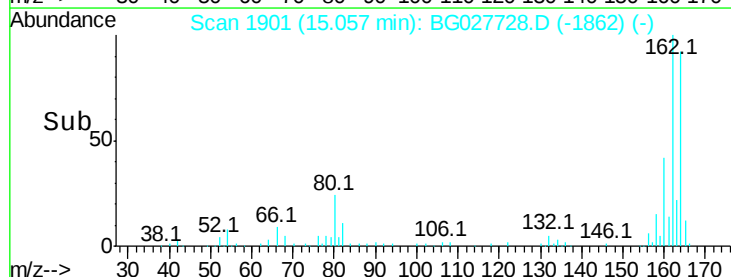


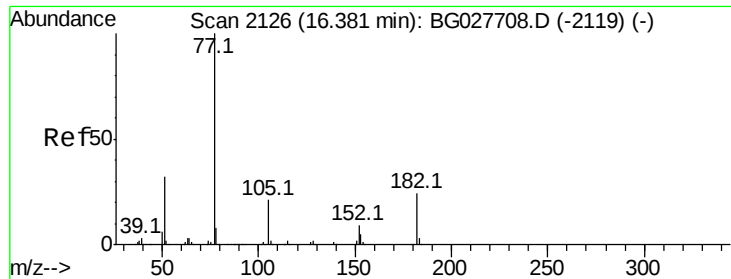
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time--> 15.04 15.08





#62

Azobenzene

Concen: 0.12 ng

RT: 16.54 min Scan# 2153

Delta R.T. 0.16 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 77 Resp: 878

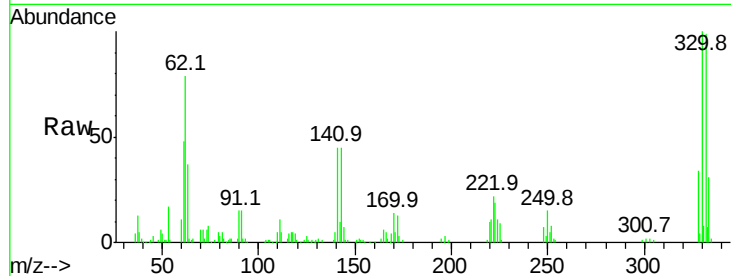
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 73.9 0.0 36.3#

51 84.1 16.4 56.4#

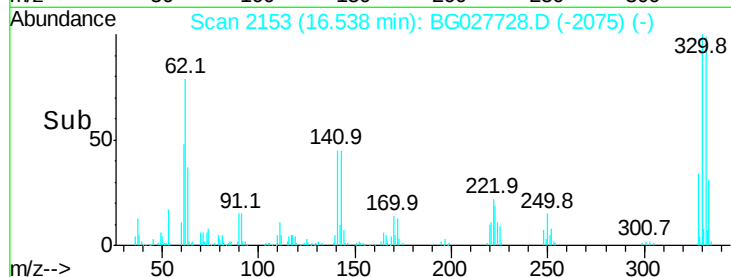


Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG



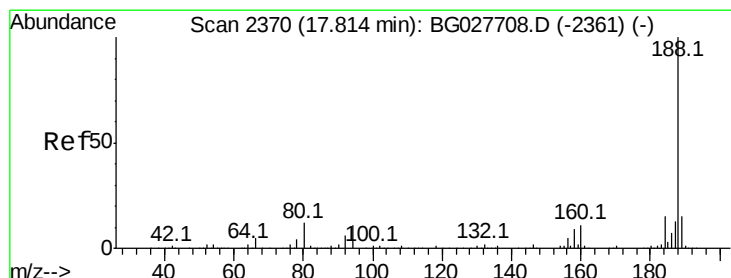
Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG

Time--> 16.50 16.55



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.81 min Scan# 2370

Delta R.T. -0.00 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

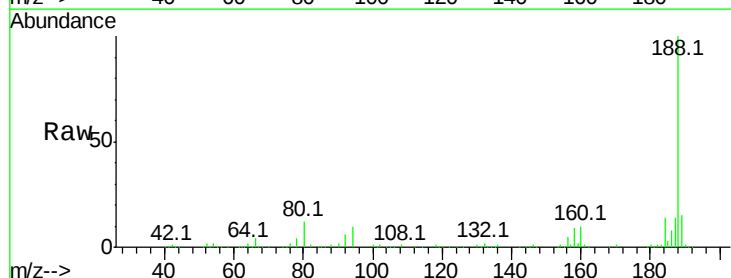
Tgt Ion: 188 Resp: 239808

Ion Ratio Lower Upper

188 100

94 10.5 5.8 8.8#

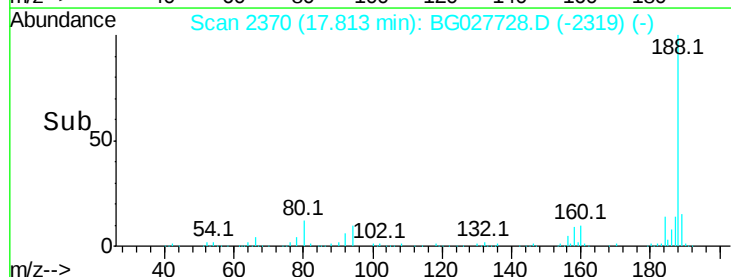
80 12.1 7.5 11.3#



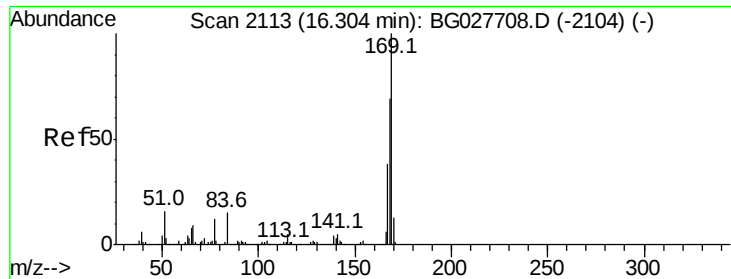
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



Time--> 17.70 17.80 17.90



#65

n-Nitrosodiphenylamine

Concen: 0.84 ng

RT: 16.54 min Scan# 2154

Delta R.T. 0.24 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampleId :

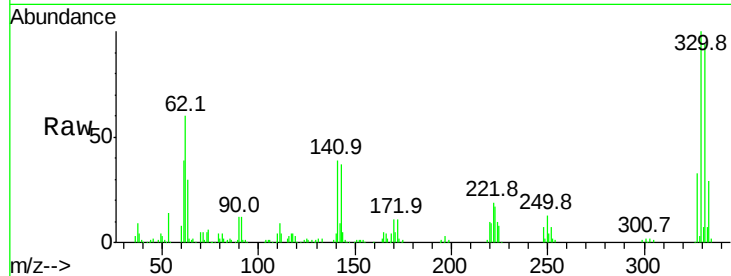
Tot Ion:169 Resp: 6524

Ion Ratio Lower Upper

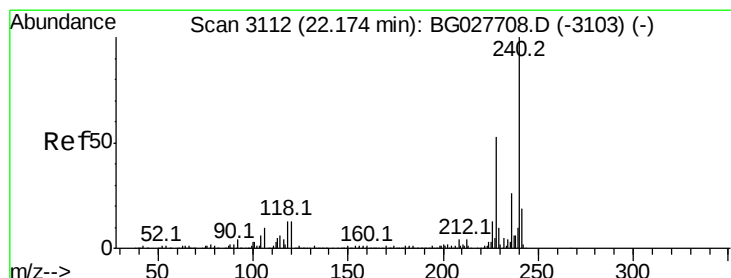
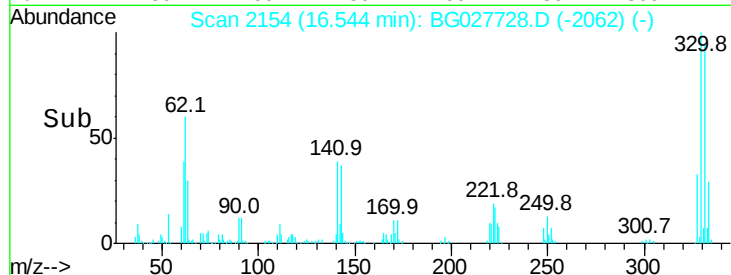
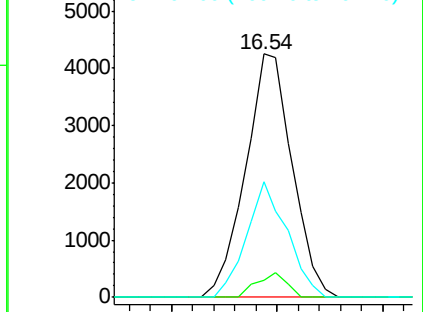
169 100

168 6.9 55.7 83.5#

167 47.6 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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.17 min Scan# 3112

Delta R.T. -0.00 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

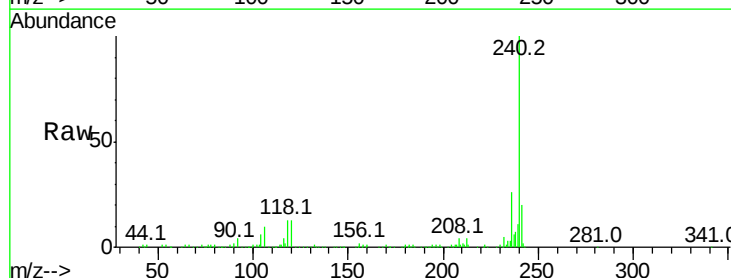
Tgt Ion:240 Resp: 261374

Ion Ratio Lower Upper

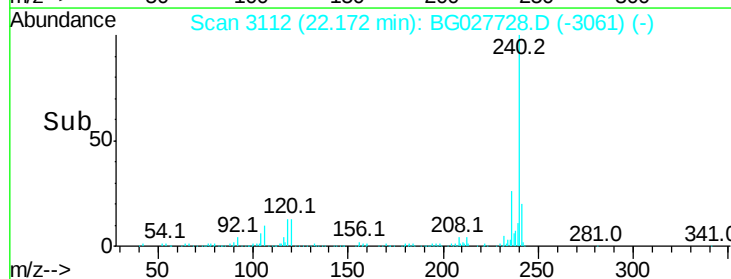
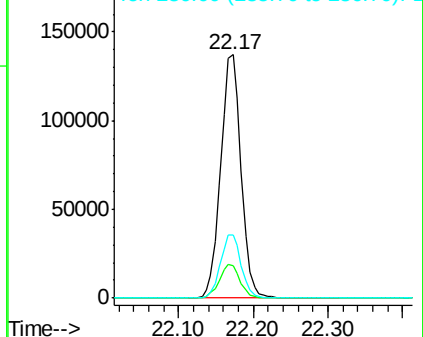
240 100

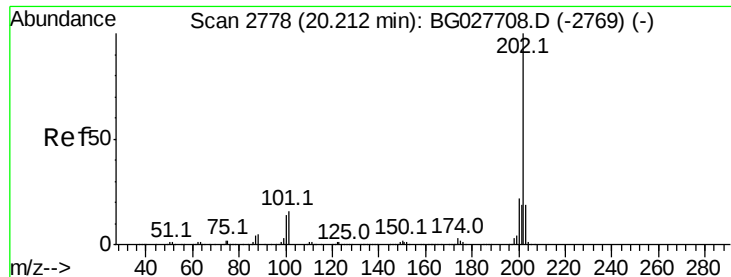
120 13.3 5.7 8.5#

236 25.9 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





#77

Pvrene

Concen: 0.24 ng

RT: 20.39 min Scan# 2809

Delta R.T. 0.18 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampleId :

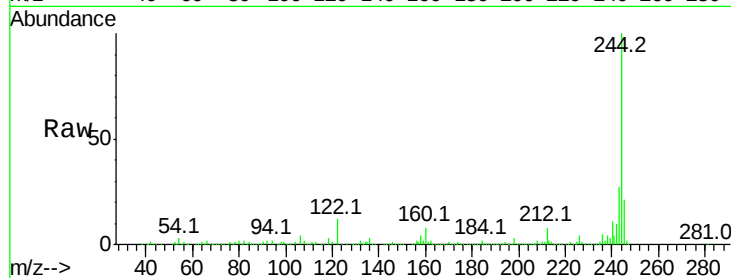
Tot Ion:202 Resp: 4017

Ion Ratio Lower Upper

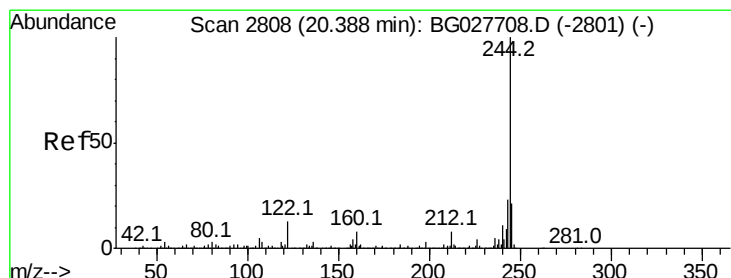
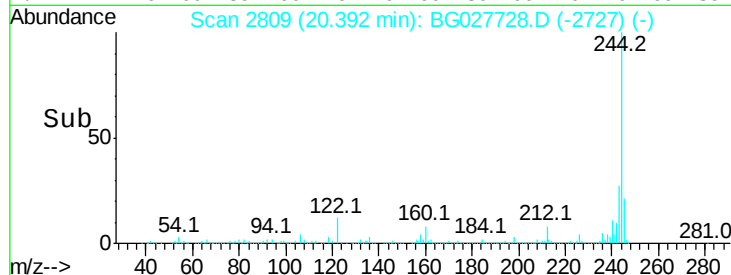
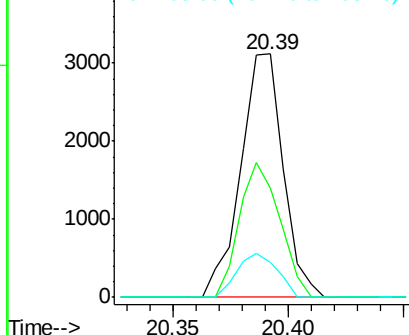
202 100

200 44.9 19.6 29.4#

203 14.3 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: 99.78 ng

RT: 20.39 min Scan# 2808

Delta R.T. -0.00 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

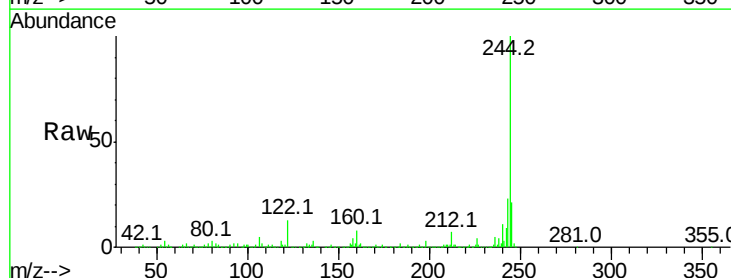
Tgt Ion:244 Resp: 1112500

Ion Ratio Lower Upper

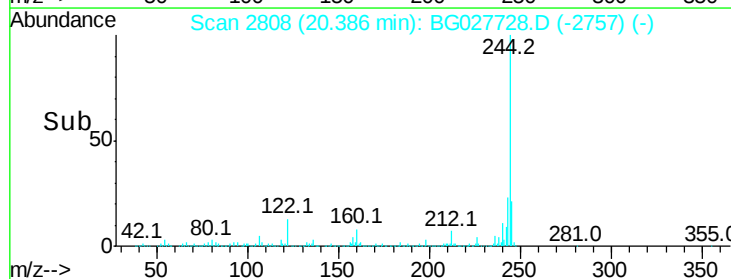
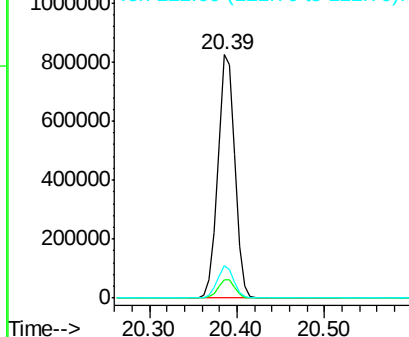
244 100

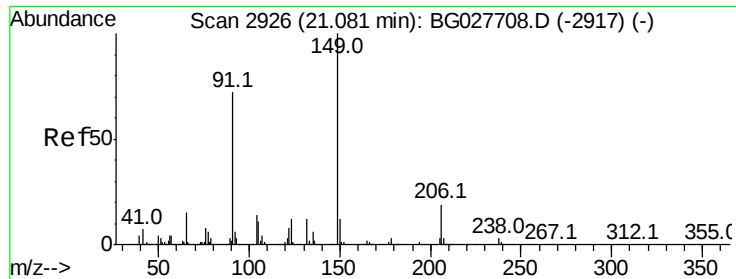
212 7.5 10.0 15.0#

122 13.1 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: 0.01 ng

RT: 21.10 min Scan# 2930

Delta R.T. 0.02 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampleId :

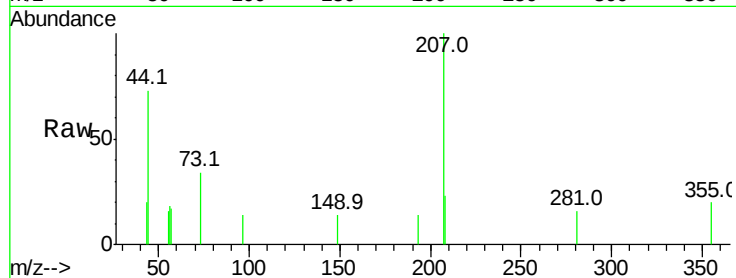
Tot Ion:149 Resp: 56

Ion Ratio Lower Upper

149 100

91 0.0 63.5 95.3#

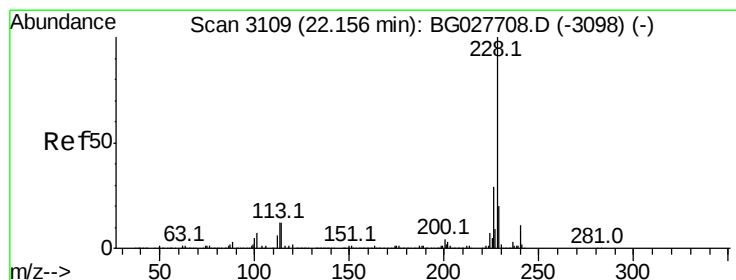
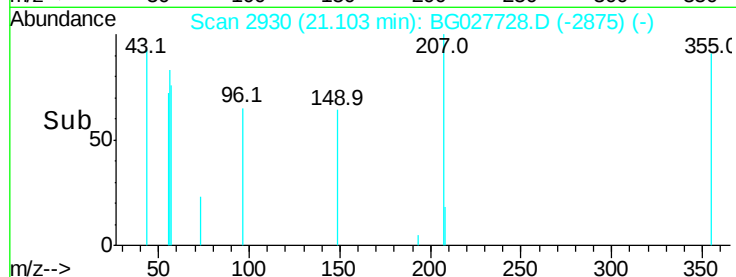
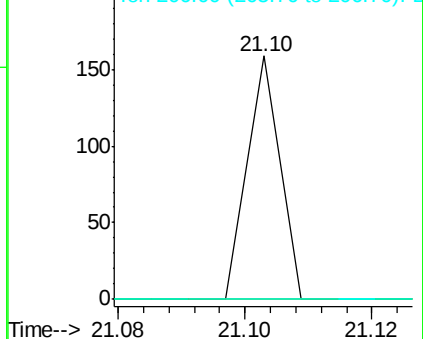
206 0.0 21.0 31.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.04 ng

RT: 22.17 min Scan# 3112

Delta R.T. 0.02 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

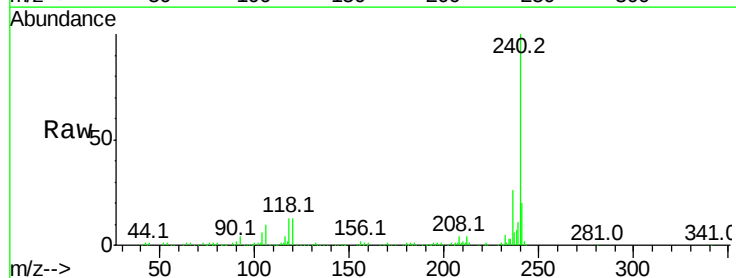
Tgt Ion:228 Resp: 679

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

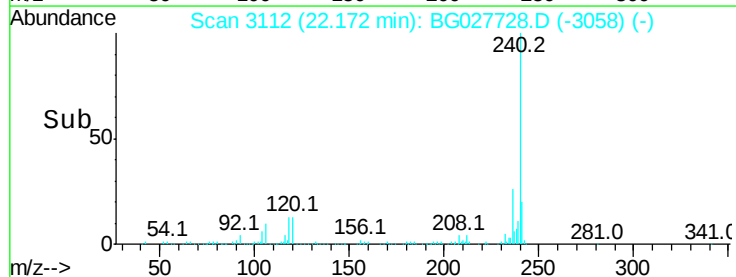
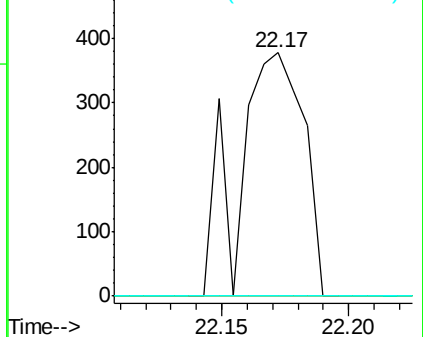
229 0.0 18.2 27.2#

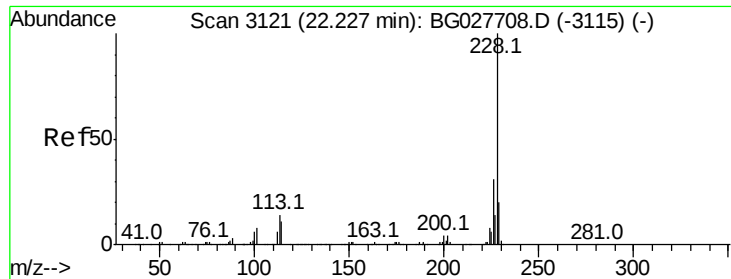


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

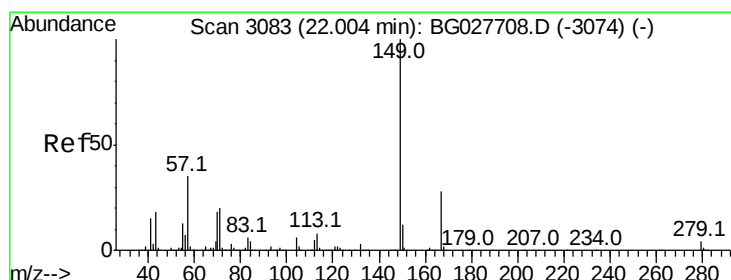
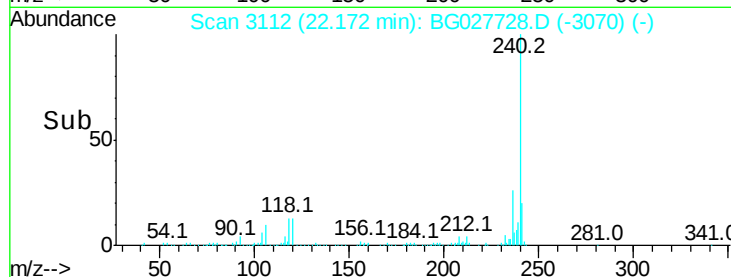
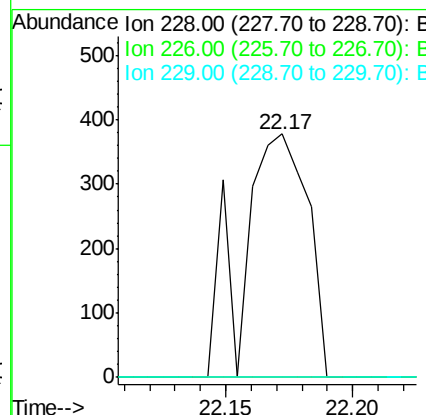
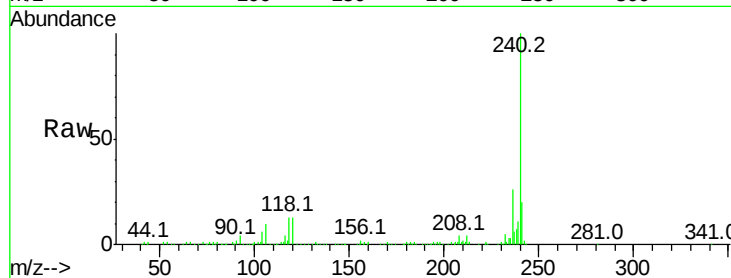




#82
 Chrysene
 Concen: 0.05 ng
 RT: 22.17 min Scan# 3112
 Delta R.T. -0.05 min
 Lab File: BG027728.D
 Acq: 29 Jun 2017 6:01

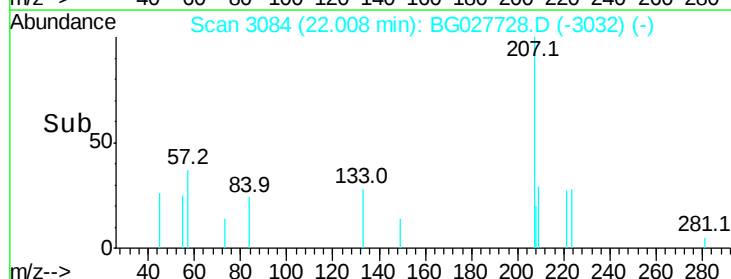
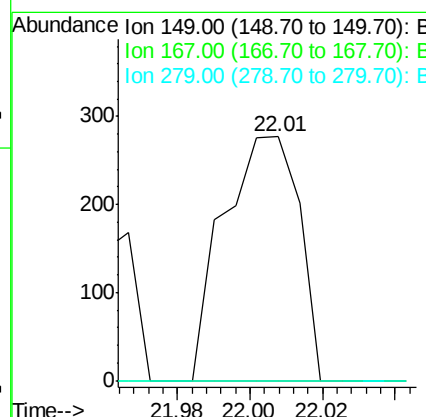
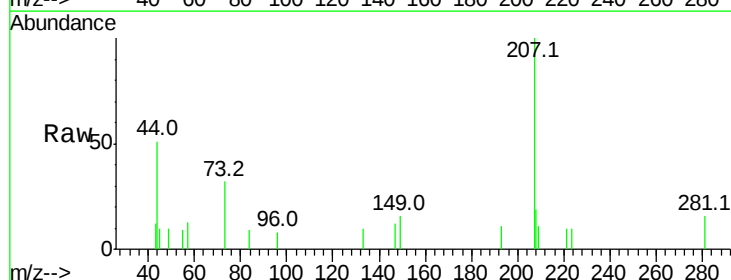
Instrument :
 BNA_G
 ClientSampled :

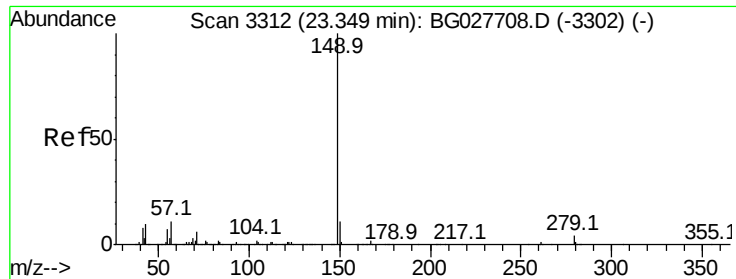
Tot Ion:228 Resp: 679
 Ion Ratio Lower Upper
 228 100
 226 0.0 27.0 40.4#
 229 0.0 17.8 26.6#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.04 ng
 RT: 22.01 min Scan# 3084
 Delta R.T. 0.00 min
 Lab File: BG027728.D
 Acq: 29 Jun 2017 6:01

Tgt Ion:149 Resp: 401
 Ion Ratio Lower Upper
 149 100
 167 0.0 23.7 35.5#
 279 0.0 4.6 6.8#





#84

Di-n-octyl phthalate

Concen: 0.01 ng

RT: 23.35 min Scan# 3312

Delta R.T. -0.00 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampleId :

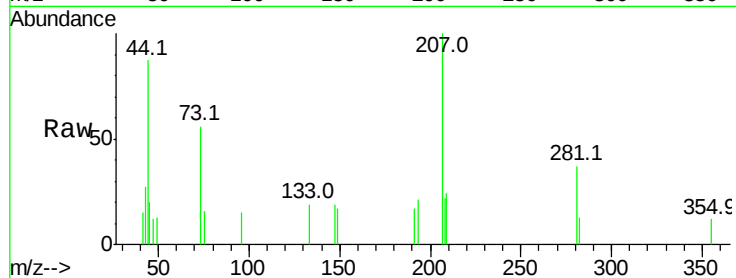
Tot Ion:149 Resp: 143

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

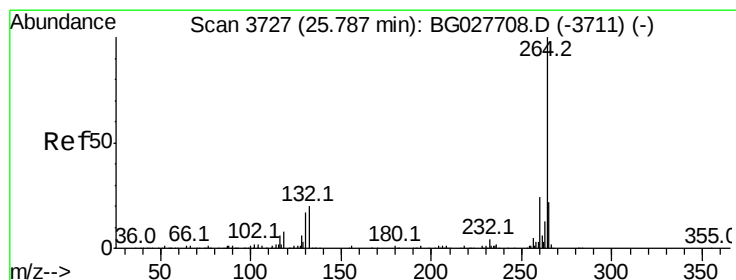
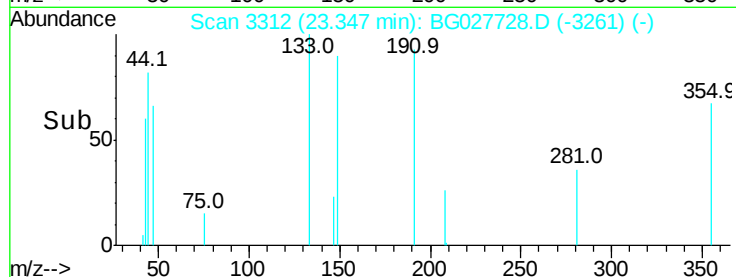
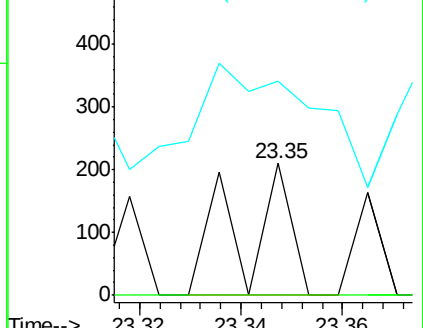
43 260.8 11.8 17.6#



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): B



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.78 min Scan# 3726

Delta R.T. -0.01 min

Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

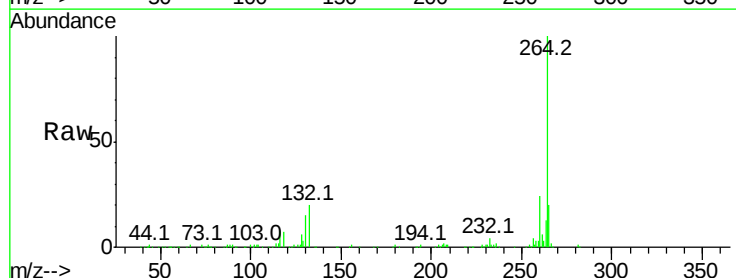
Tgt Ion:264 Resp: 252508

Ion Ratio Lower Upper

264 100

260 23.5 21.8 32.8

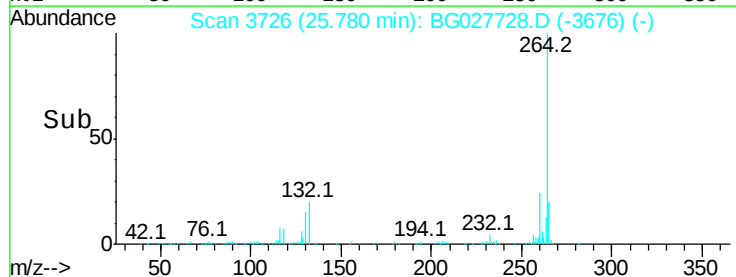
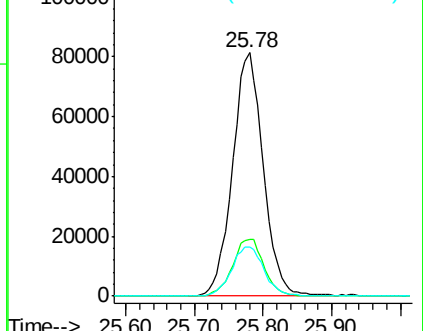
265 20.2 18.2 27.4

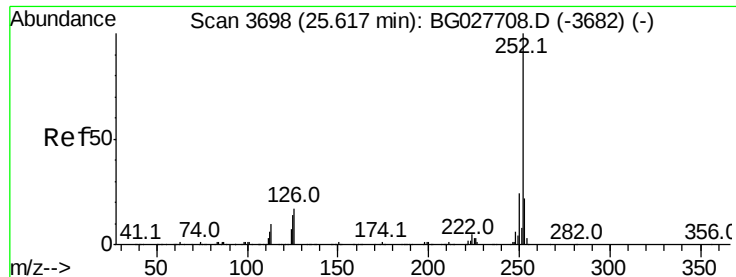


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.05 ng

RT: 25.77 min Scan# 3725

Delta R.T. 0.16 min

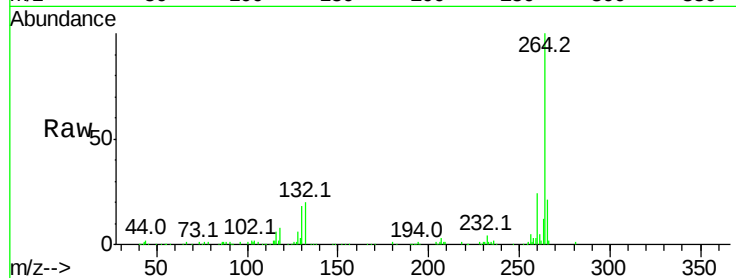
Lab File: BG027728.D

Acq: 29 Jun 2017 6:01

Instrument :

BNA_G

ClientSampleId :



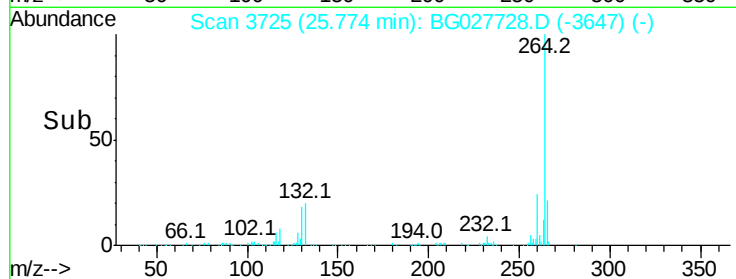
Tot Ion: 252 Resp: 790

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

125 0.0 5.4 8.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

25.77

Time-->