

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062817\
 Data File : BG027727.D
 Acq On : 29 Jun 2017 5:21
 Operator : SJ/JU
 Sample : PB100192BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 29 07:14:33 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	8.47	152	30713	20.00	ng	0.00
21) Naphthalene-d8	11.29	136	139364	20.00	ng	0.00
38) Acenaphthene-d10	15.06	164	84925	20.00	ng	0.00
63) Phenanthrene-d10	17.81	188	246344	20.00	ng	0.00
75) Chrysene-d12	22.17	240	268193	20.00	ng	0.00
86) Perylene-d12	25.78	264	258544	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	6.06	112	253445	127.07	ng	0.00
7) Phenol-d6	7.62	99	347059	113.90	ng	0.00
23) Nitrobenzene-d5	9.64	82	198402	79.35	ng	0.00
41) 2,4,6-Tribromophenol	16.55	330	149722	128.53	ng	0.00
44) 2-Fluorobiphenyl	13.69	172	476812	80.18	ng	0.00
78) Terphenyl-d14	20.39	244	1034470	90.43	ng	0.00

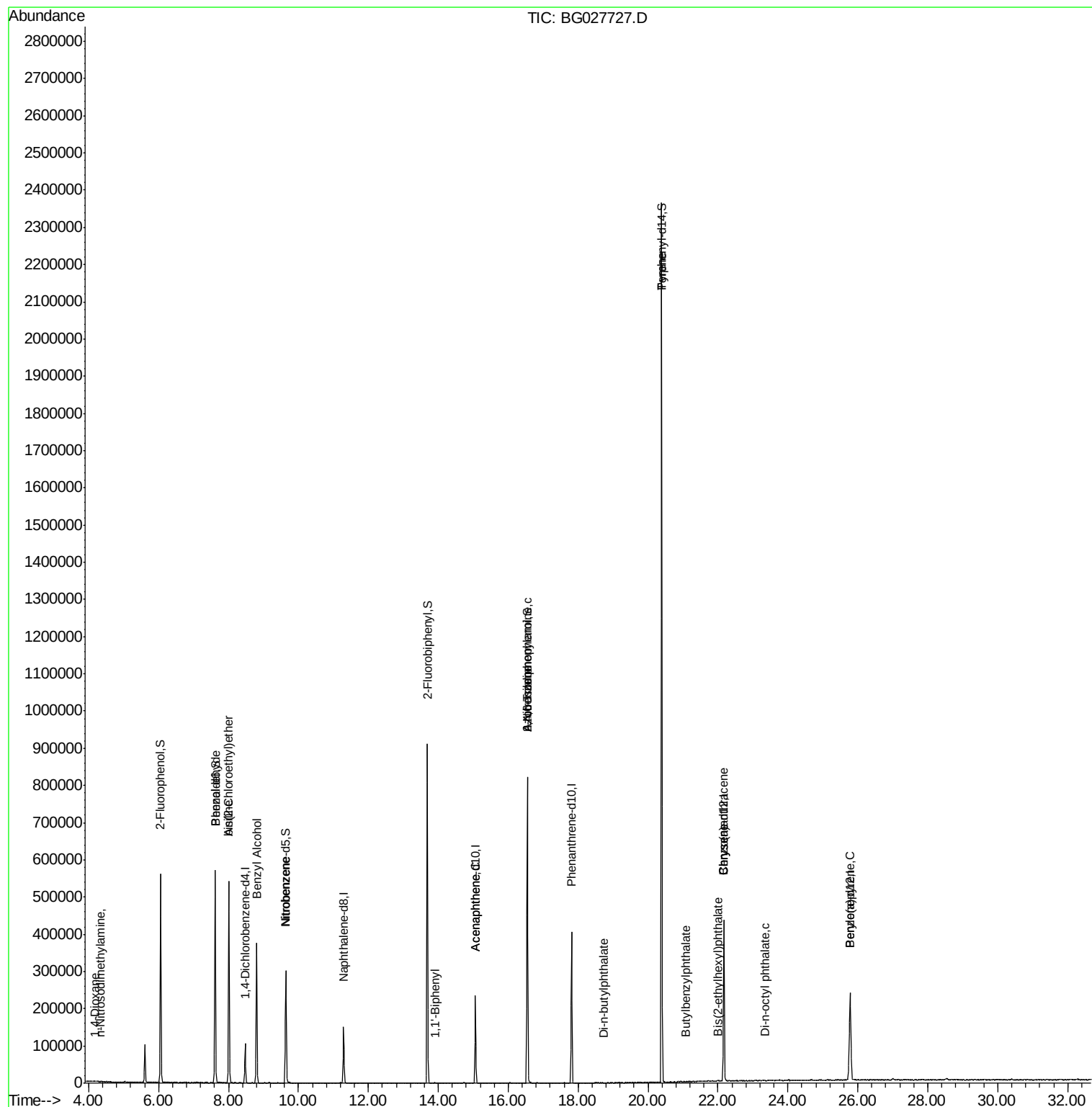
Target Compounds						Qvalue
2) 1,4-Dioxane	4.18	88	58	0.08	ng	# 1
4) n-Nitrosodimethylamine	4.32	42	65	0.06	ng	# 7
6) Aniline	8.00	93	246	0.07	ng	# 1
9) Benzaldehyde	7.62	77	443	0.24	ng	# 10
11) bis(2-Chloroethyl)ether	8.00	93	246	0.11	ng	# 1
15) Benzyl Alcohol	8.80	79	2894	1.37	ng	# 32
24) Nitrobenzene	9.65	77	428	0.16	ng	# 49
45) 1,1'-Biphenyl	13.90	154	506	0.07	ng	# 78
51) Acenaphthene	15.06	154	168	0.03	ng	# 6
62) Azobenzene	16.55	77	954	0.14	ng	# 19
65) n-Nitrosodiphenylamine	16.55	169	5871	0.73	ng	# 50
73) Di-n-butylphthalate	18.73	149	55	0.00	ng	# 73
77) Pvrene	20.39	202	3647	0.22	ng	# 66
79) Butylbenzylphthalate	21.08	149	65	0.01	ng	# 19
80) Benzo(a)anthracene	22.17	228	859	0.05	ng	# 65
82) Chrysene	22.17	228	859	0.06	ng	# 61
83) Bis(2-ethylhexyl)phthalate	22.00	149	509	0.05	ng	# 51
84) Di-n-octyl phthalate	23.35	149	55	0.00	ng	# 1
89) Benzo(a)pvrene	25.78	252	662	0.04	ng	# 65

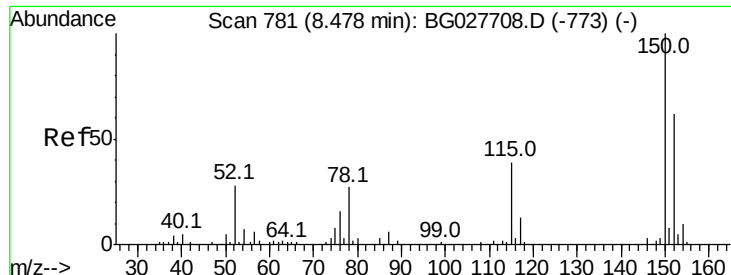
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.47 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Instrument :

BNA_G

ClientSampleId :

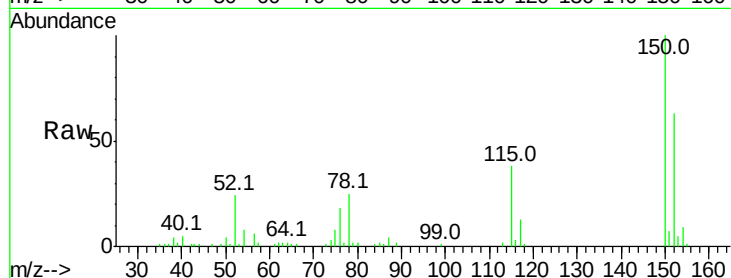
Tot Ion:152 Resp: 30713

Ion Ratio Lower Upper

152 100

150 157.5 114.0 171.0

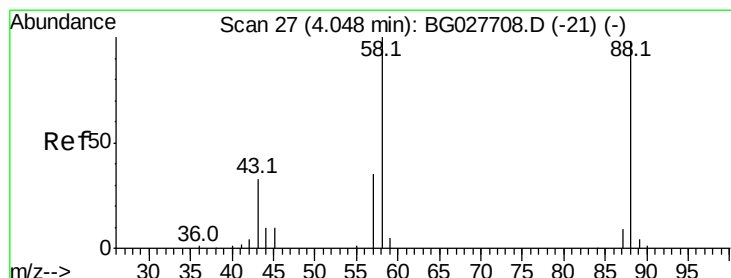
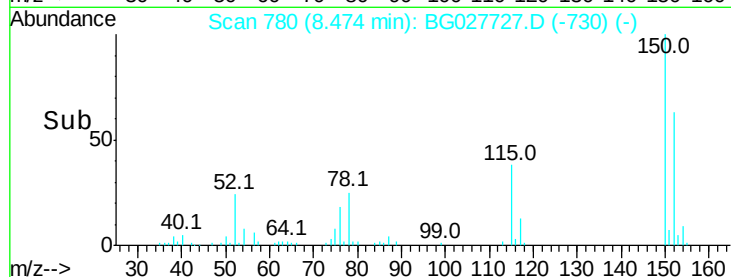
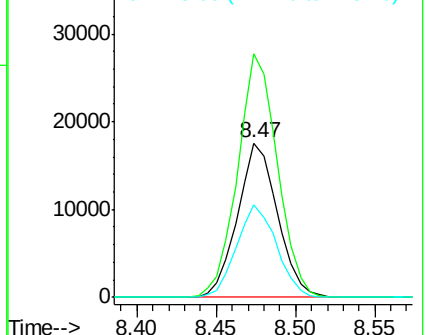
115 60.0 48.1 72.1



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: 0.08 ng

RT: 4.18 min Scan# 50

Delta R.T. 0.14 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

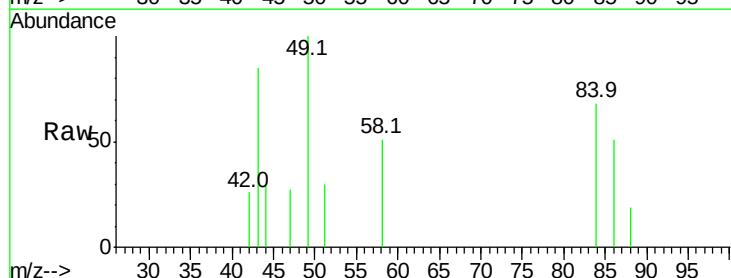
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

58 351.7 79.4 119.2#

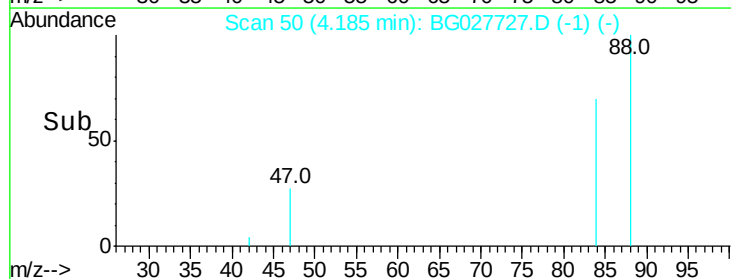
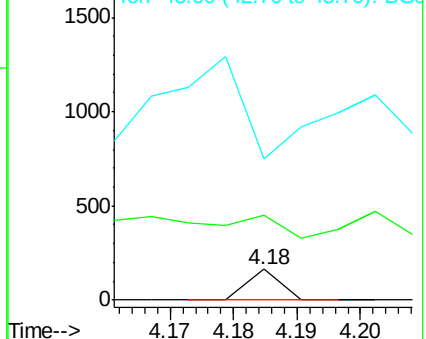
43 770.7 33.8 50.6#

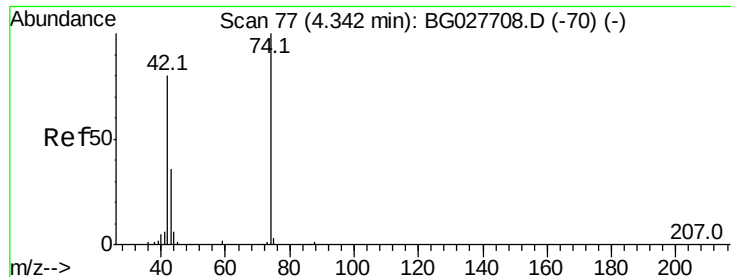


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.06 ng

RT: 4.32 min Scan# 73

Delta R.T. -0.02 min

Lab File: BG027727.D

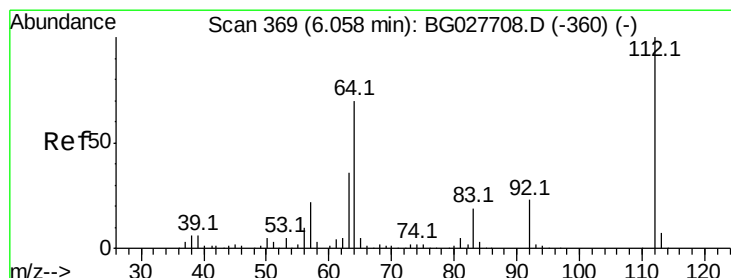
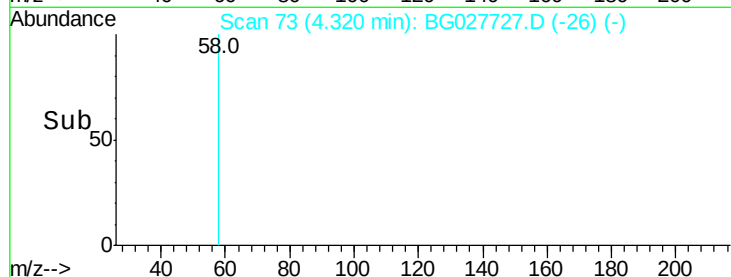
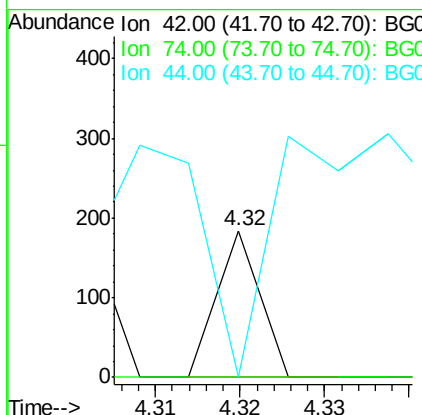
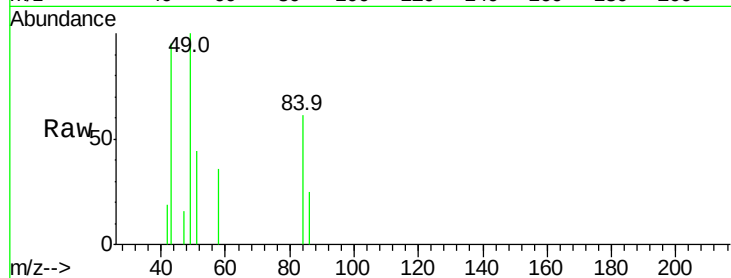
Acq: 29 Jun 2017 5:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	42	Resp:	65
Ion	Ratio	Lower	Upper
42	100		
74	0.0	76.7	115.1#
44	0.0	6.1	9.1#



#5

2-Fluorophenol

Concen: 127.07 ng

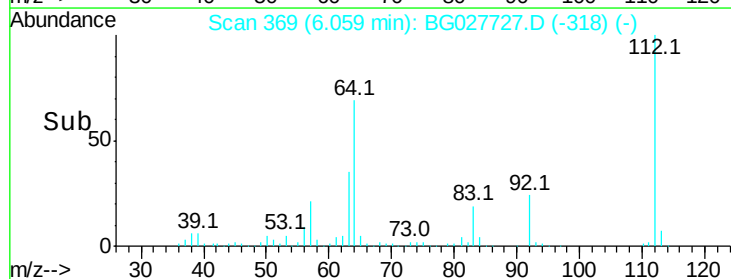
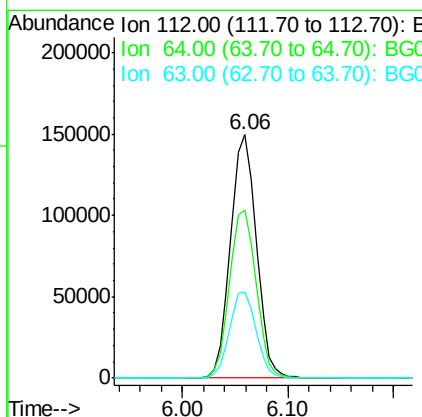
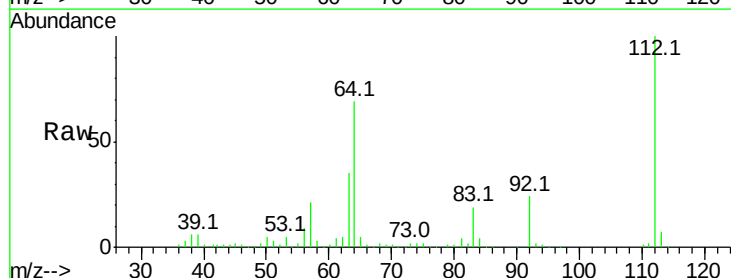
RT: 6.06 min Scan# 369

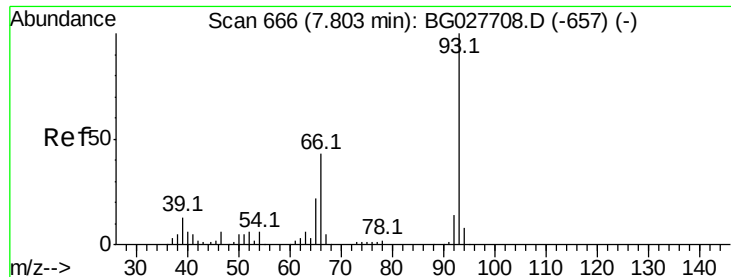
Delta R.T. 0.00 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Tgt Ion:	112	Resp:	253445
Ion	Ratio	Lower	Upper
112	100		
64	69.2	61.8	92.6
63	35.4	37.2	55.8#





#6

Aniline

Concen: 0.07 ng

RT: 8.00 min Scan# 700

Delta R.T. 0.20 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Instrument :

BNA_G

ClientSampleId :

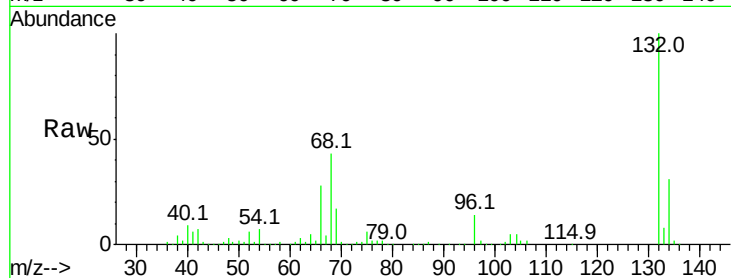
Tot Ion: 93 Resp: 246

Ion Ratio Lower Upper

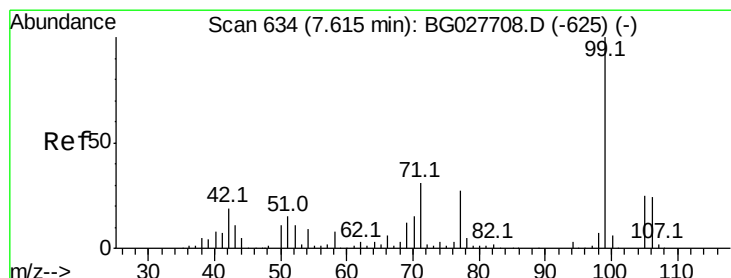
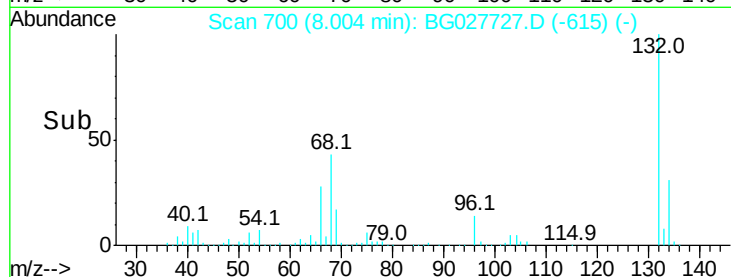
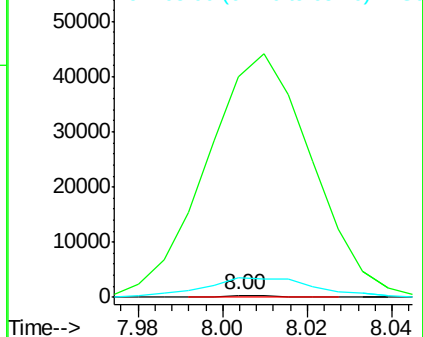
93 100

66 12885.2 35.4 53.2#

65 1128.7 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: 113.90 ng

RT: 7.62 min Scan# 634

Delta R.T. 0.00 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

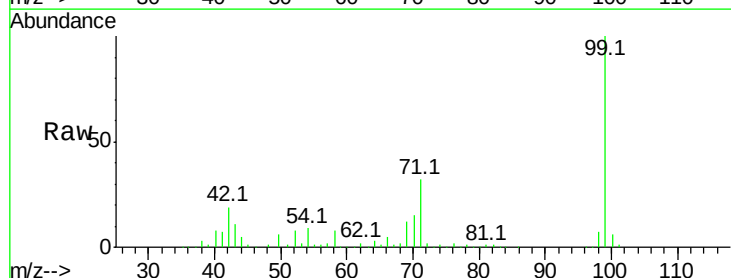
Tgt Ion: 99 Resp: 347059

Ion Ratio Lower Upper

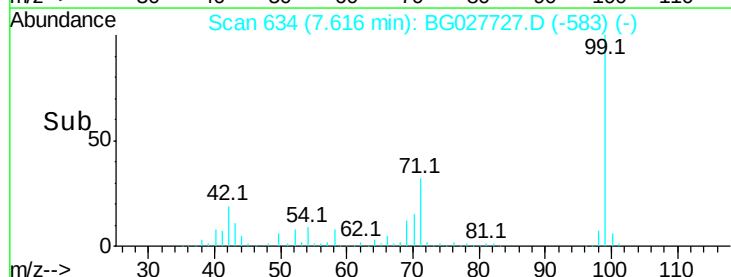
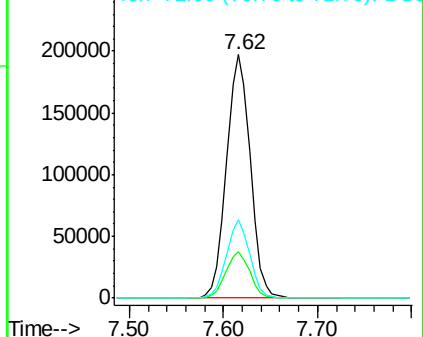
99 100

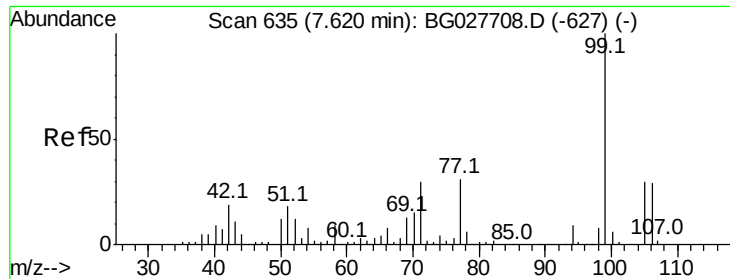
42 19.0 20.5 30.7#

71 32.4 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: 0.24 ng

RT: 7.62 min Scan# 635

Delta R.T. 0.00 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Instrument :

BNA_G

ClientSampled :

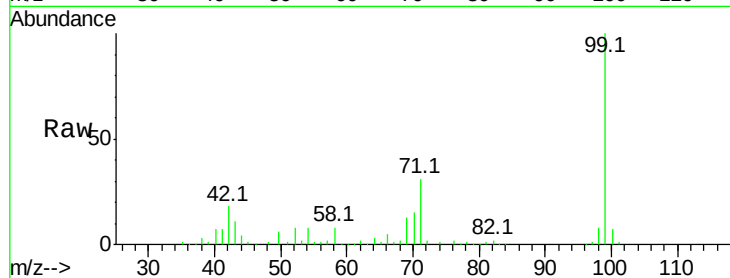
Tot Ion: 77 Resp: 443

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

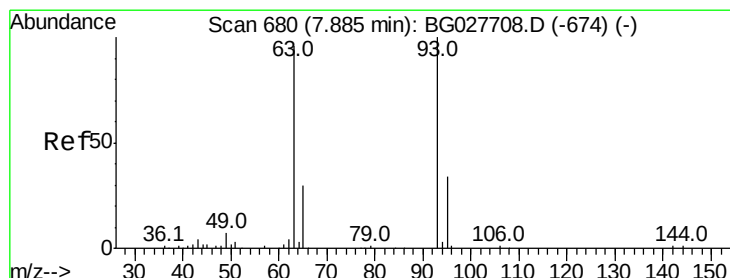
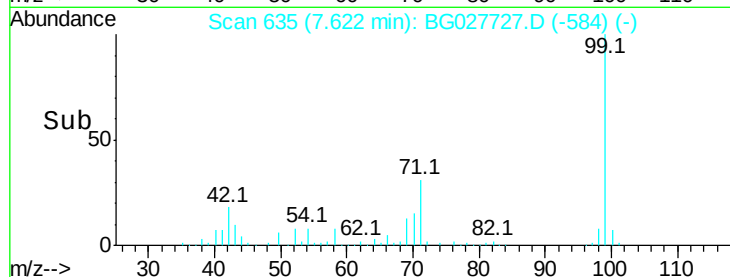
300

200

100

0

Time--> 7.58 7.60 7.62 7.64



#11

bis(2-Chloroethyl)ether

Concen: 0.11 ng

RT: 8.00 min Scan# 700

Delta R.T. 0.12 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

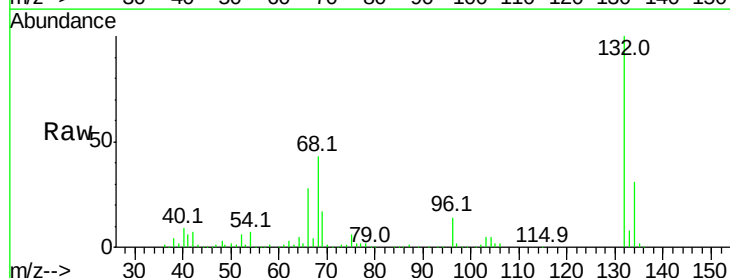
Tgt Ion: 93 Resp: 246

Ion Ratio Lower Upper

93 100

63 571.3 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

8.00

2000

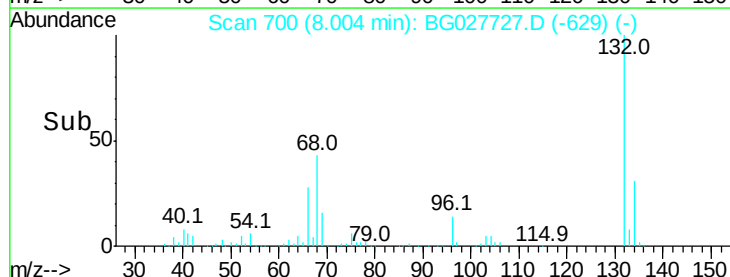
1500

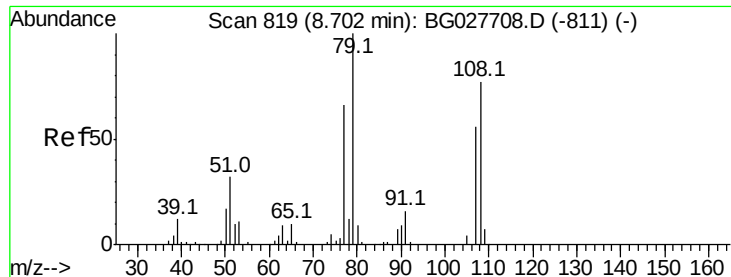
1000

500

0

Time--> 7.98 8.00 8.02 8.04

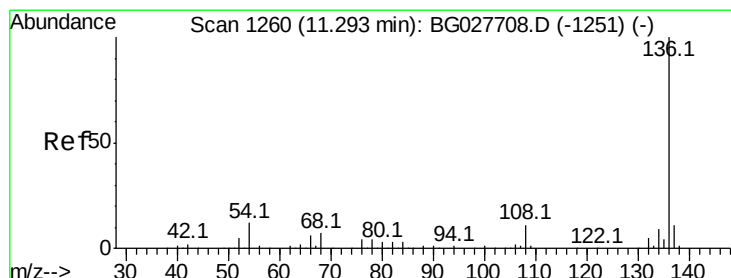
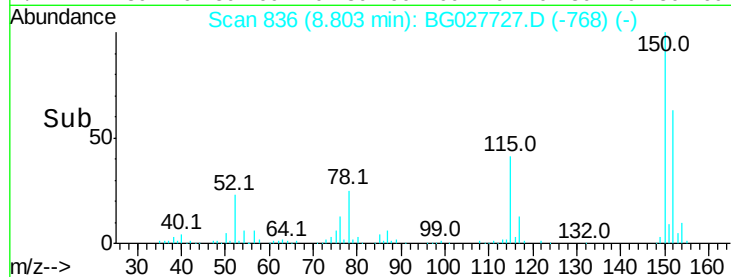
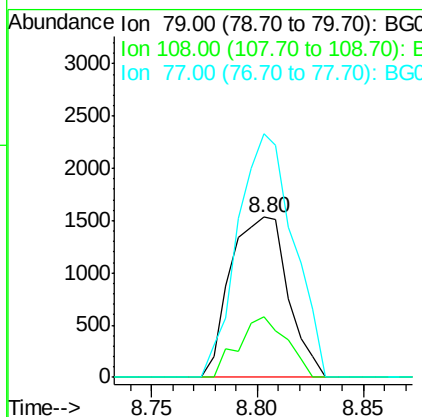
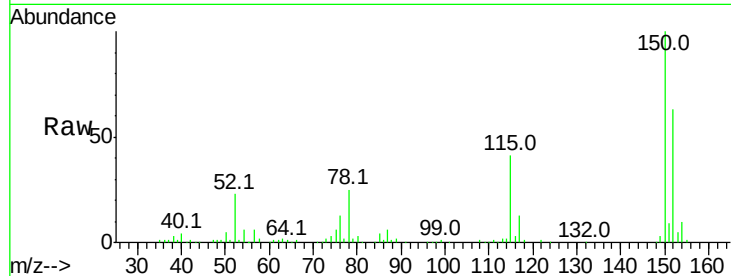




#15
Benzyl Alcohol
Concen: 1.37 ng
RT: 8.80 min Scan# 836
Delta R.T. 0.10 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

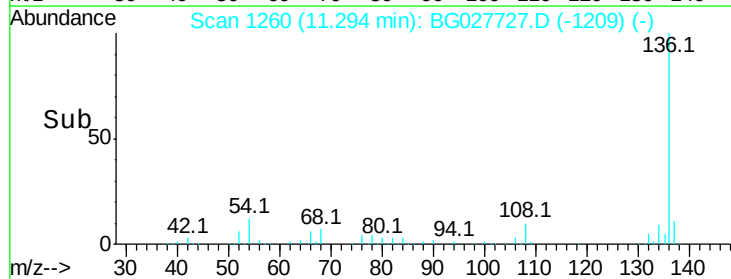
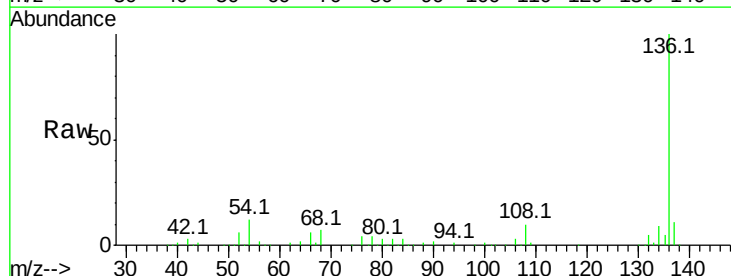
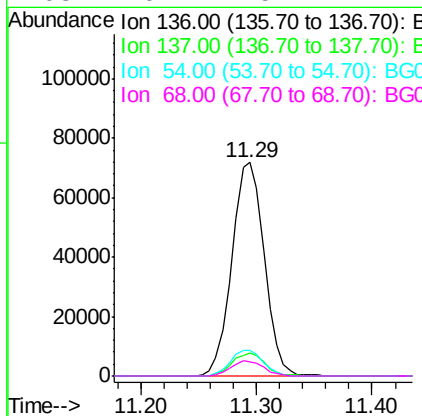
Instrument :
BNA_G
ClientSampleId :

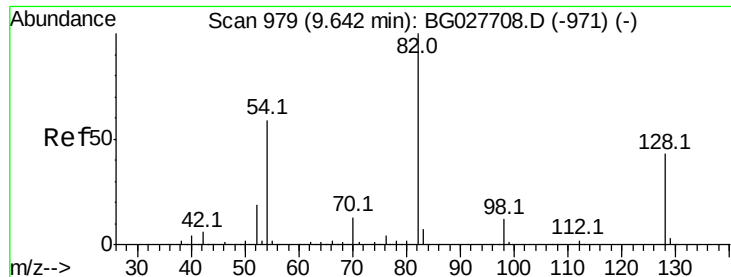
Tot Ion: 79 Resp: 2894
Ion Ratio Lower Upper
79 100
108 38.1 45.5 68.3#
77 152.1 54.3 81.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.29 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

Tgt Ion: 136 Resp: 139364
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 11.8 9.3 13.9
68 6.7 5.1 7.7

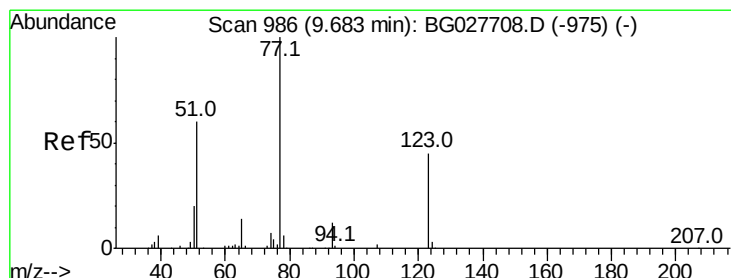
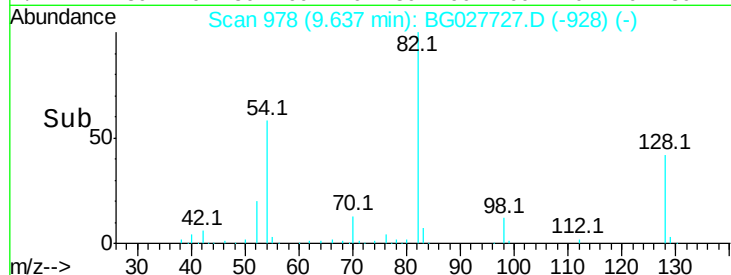
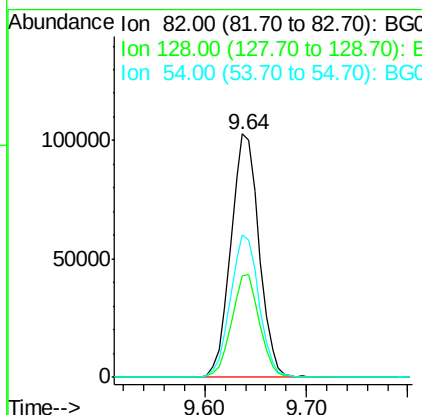
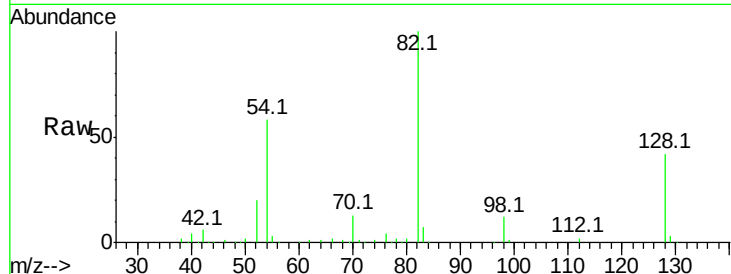




#23
 Nitrobenzene-d5
 Concen: 79.35 ng
 RT: 9.64 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BG027727.D
 Acq: 29 Jun 2017 5:21

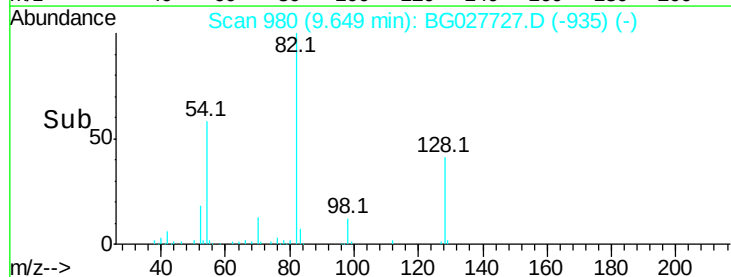
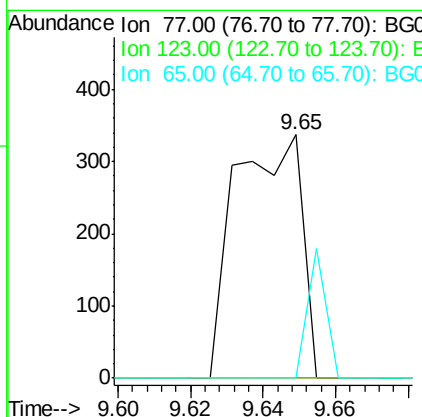
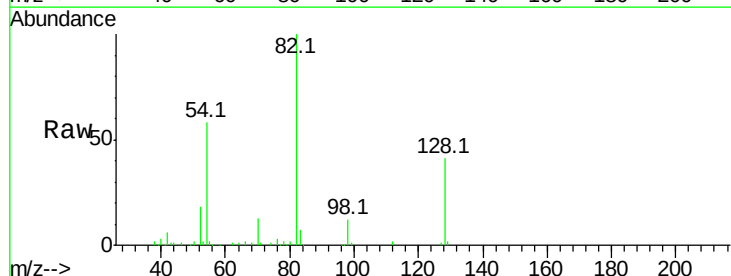
Instrument :
 BNA_G
 ClientSampleId :

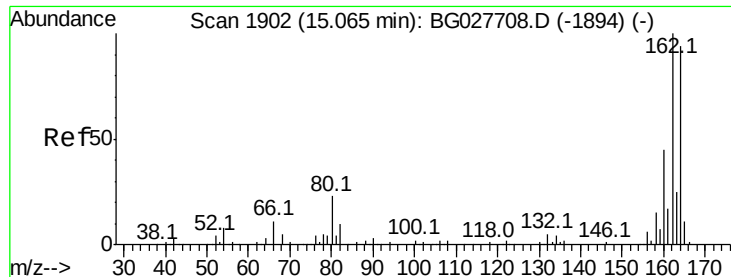
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	26.4	39.6#
54	58.5	49.4	74.2



#24
 Nitrobenzene
 Concen: 0.16 ng
 RT: 9.65 min Scan# 980
 Delta R.T. -0.03 min
 Lab File: BG027727.D
 Acq: 29 Jun 2017 5:21

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	26.1	39.1#
65	0.0	12.4	18.6#

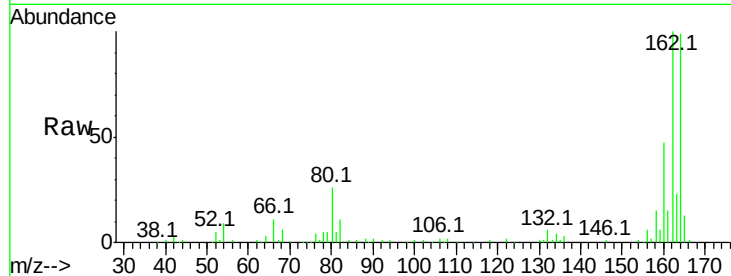




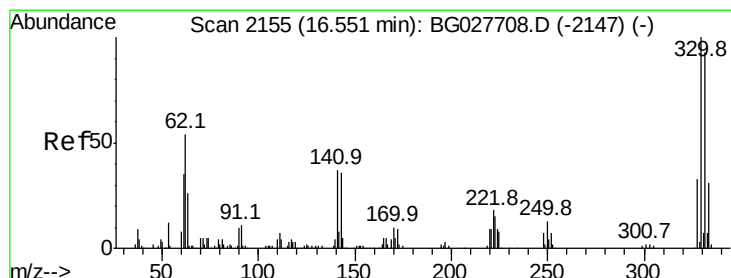
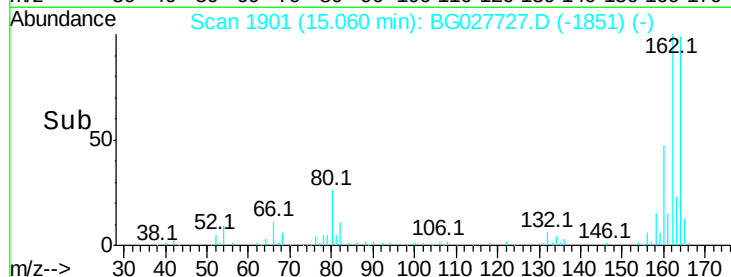
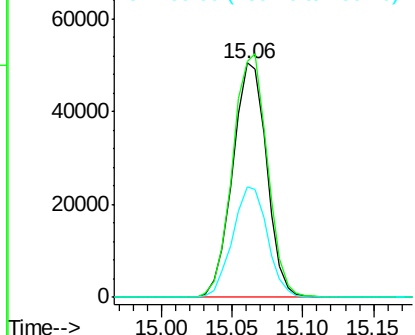
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.06 min Scan# 1901
Delta R.T. -0.00 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 84925
Ion Ratio Lower Upper
164 100
162 100.6 85.1 127.7
160 47.0 34.7 52.1

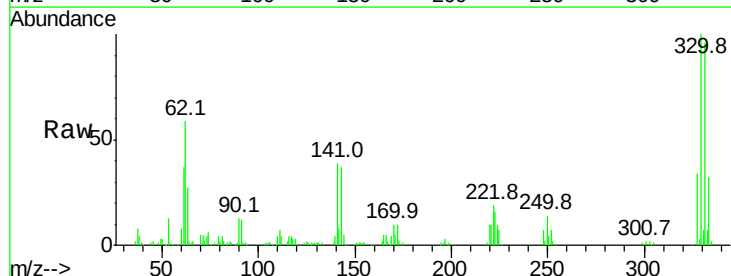


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

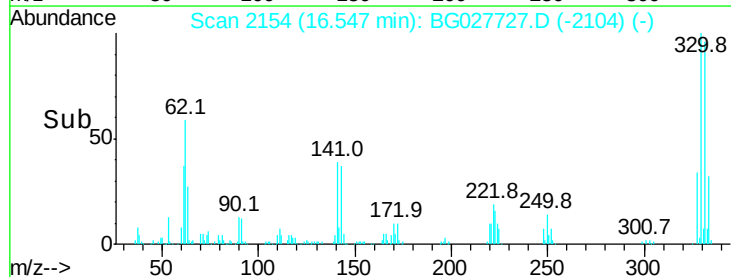
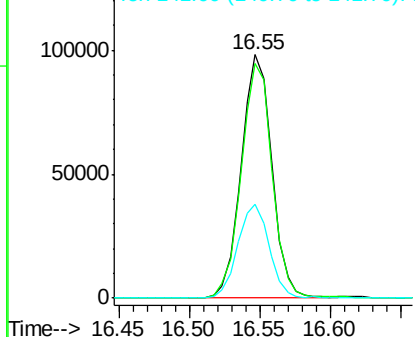


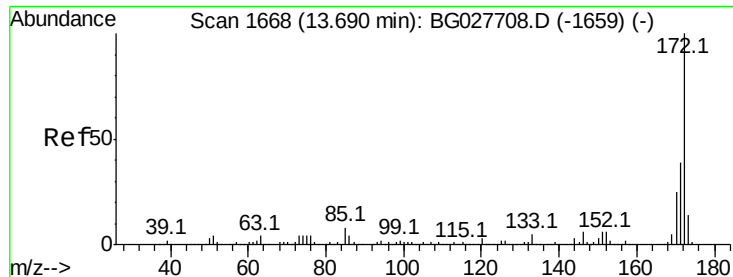
#41
2,4,6-Tribromophenol
Concen: 128.53 ng
RT: 16.55 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

Tgt Ion:330 Resp: 149722
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 39.7 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

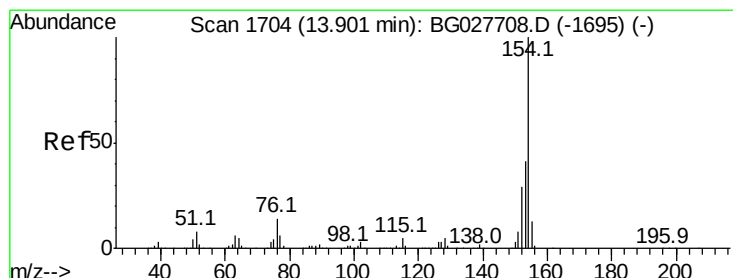
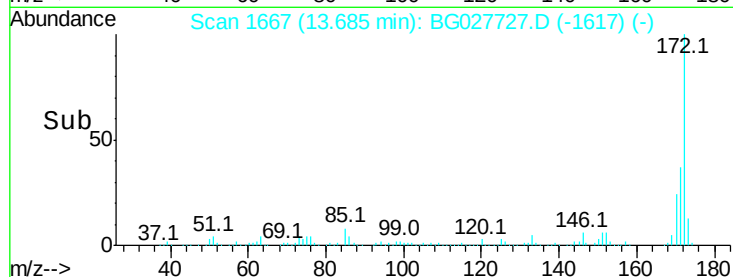
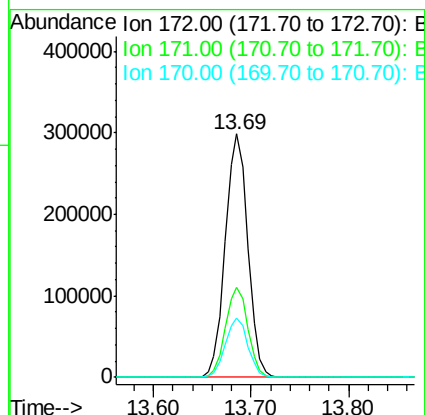
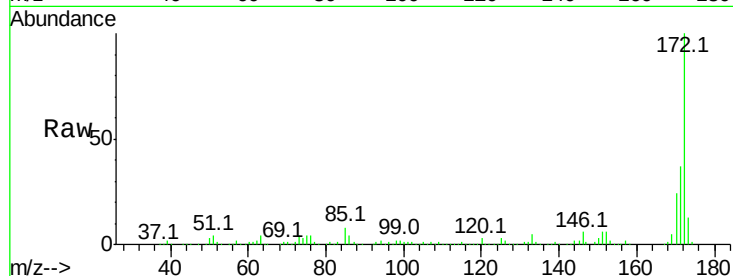




#44
2-Fluorobiphenyl
Concen: 80.18 ng
RT: 13.69 min Scan# 1667
Delta R.T. -0.00 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

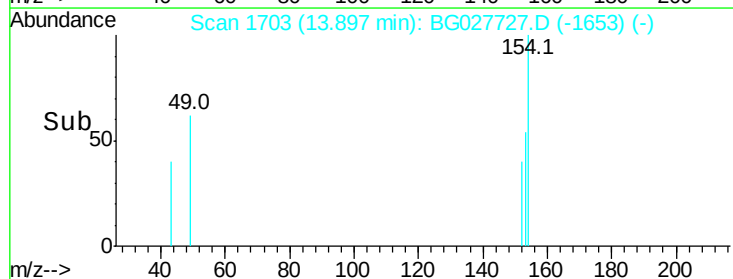
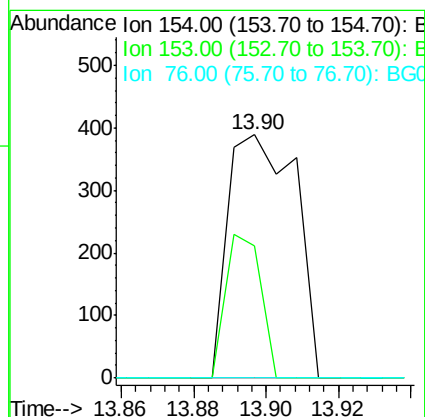
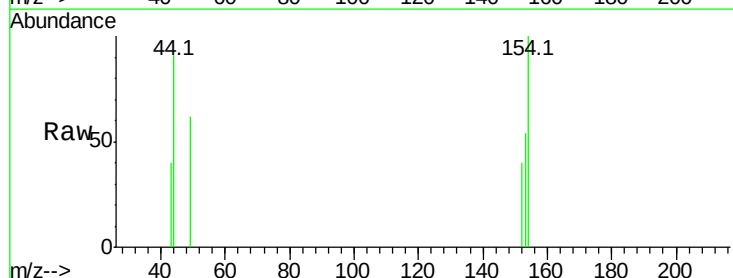
Instrument :
BNA_G
ClientSampleId :

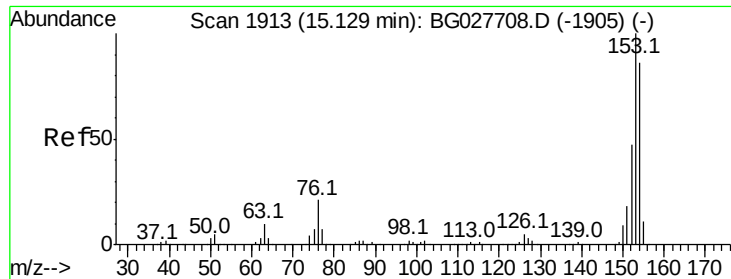
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	32.2	48.2
170	24.3	21.8	32.6



#45
1,1'-Biphenyl
Concen: 0.07 ng
RT: 13.90 min Scan# 1703
Delta R.T. -0.00 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

Tgt Ion	Ratio	Lower	Upper
154	100		
153	54.5	23.0	63.0
76	0.0	0.0	33.5





#51

Acenaphthene

Concen: 0.03 ng

RT: 15.06 min Scan# 1901

Delta R.T. -0.07 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Instrument :

BNA_G

ClientSampleId :

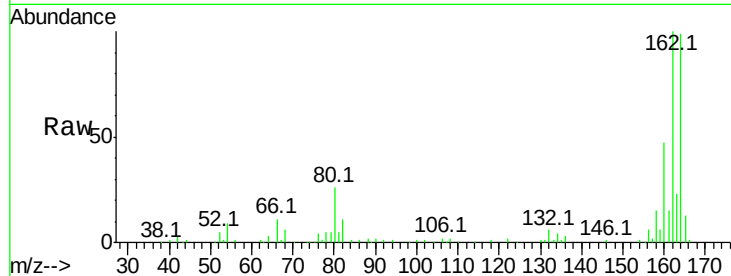
Tot Ion:154 Resp: 168

Ion Ratio Lower Upper

154 100

153 0.0 87.8 131.6#

152 0.0 42.2 63.4#

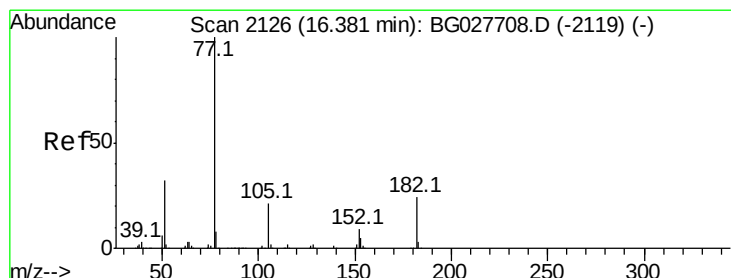
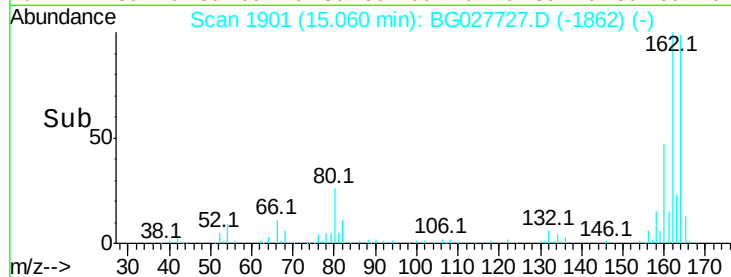
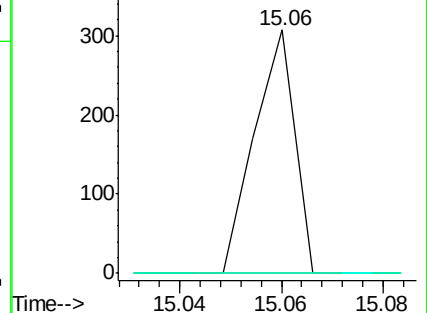


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

15.06



#62

Azobenzene

Concen: 0.14 ng

RT: 16.55 min Scan# 2154

Delta R.T. 0.17 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Tgt Ion: 77 Resp: 954

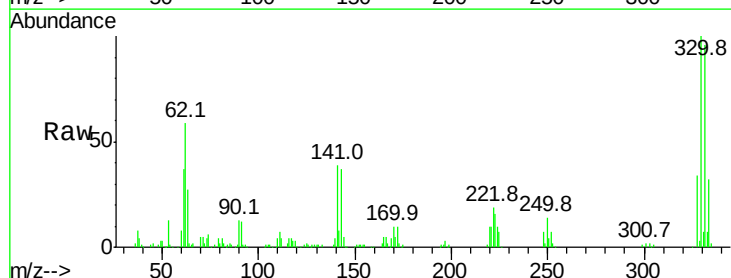
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 107.3 0.0 36.3#

51 62.0 16.4 56.4#



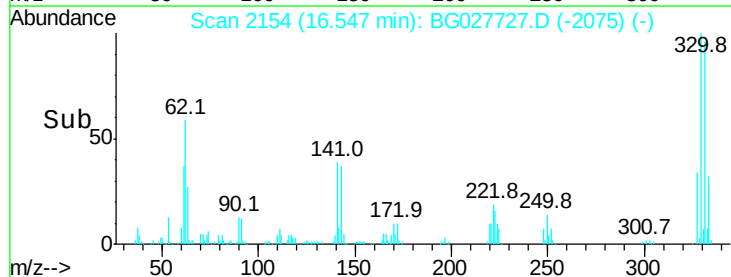
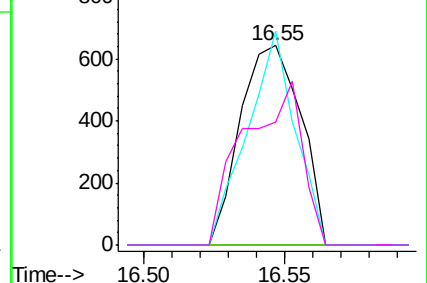
Abundance Ion 77.00 (76.70 to 77.70): BGC

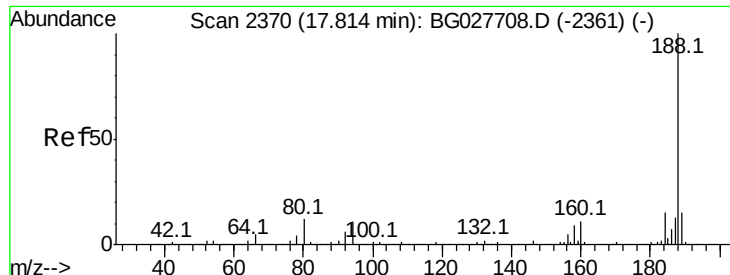
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BGC

16.55

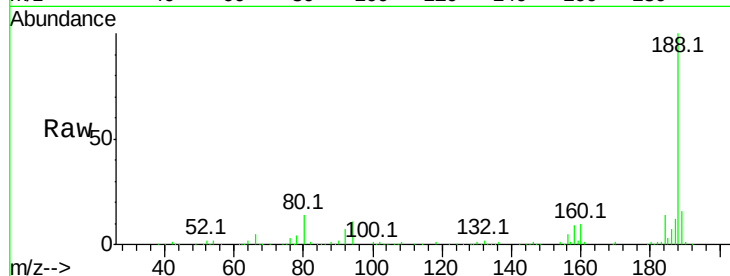




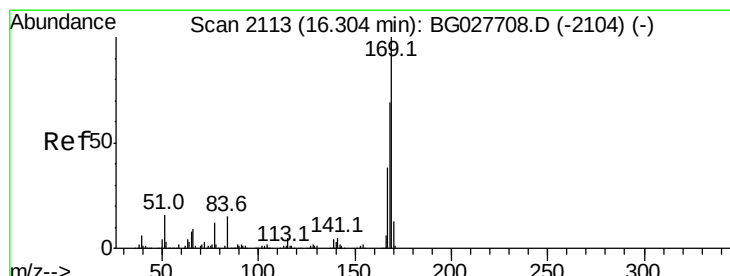
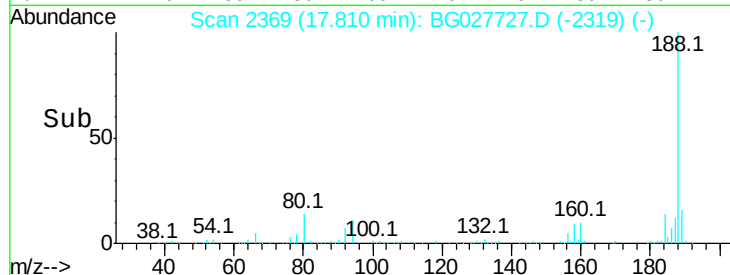
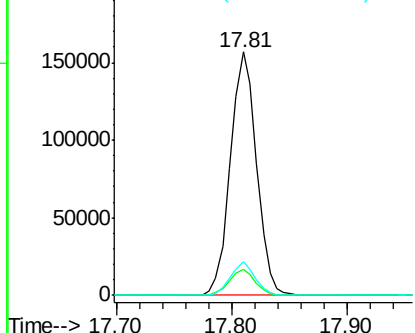
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.81 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: BG027727.D
 Acq: 29 Jun 2017 5:21

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:188 Resp: 246344
 Ion Ratio Lower Upper
 188 100
 94 10.8 5.8 8.8#
 80 13.7 7.5 11.3#

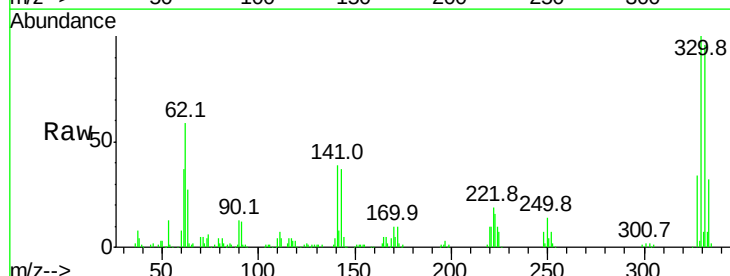


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BGO
 Ion 80.00 (79.70 to 80.70): BGO

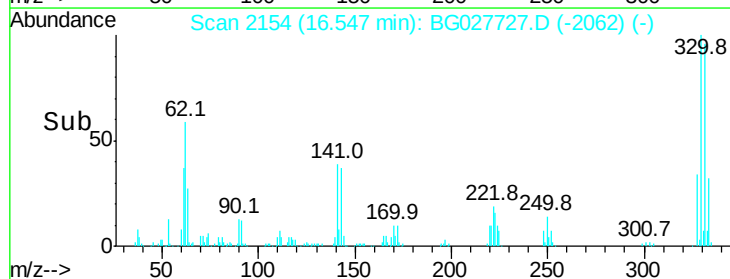
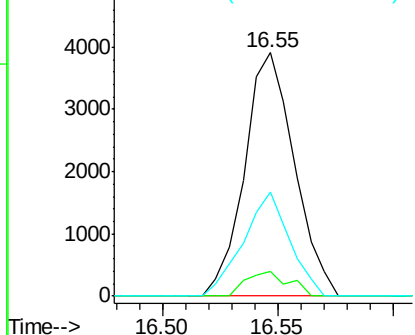


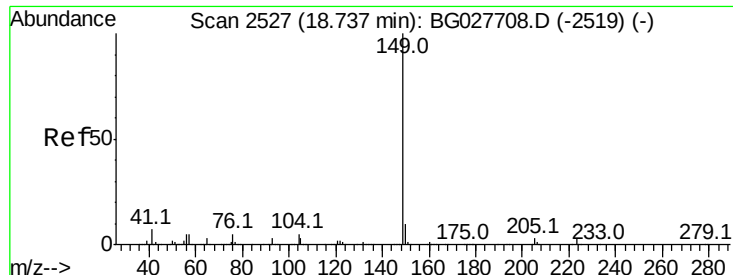
#65
 n-Nitrosodiphenylamine
 Concen: 0.73 ng
 RT: 16.55 min Scan# 2154
 Delta R.T. 0.24 min
 Lab File: BG027727.D
 Acq: 29 Jun 2017 5:21

Tgt Ion:169 Resp: 5871
 Ion Ratio Lower Upper
 169 100
 168 10.3 55.7 83.5#
 167 42.8 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





#73

Di-n-butylphthalate

Concen: 0.00 ng

RT: 18.73 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BG027727.D

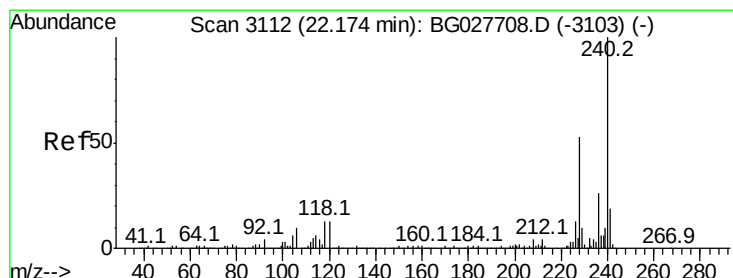
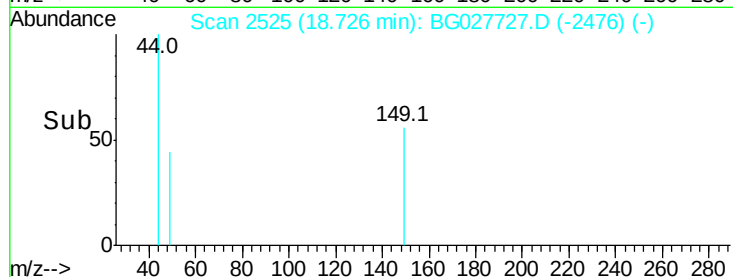
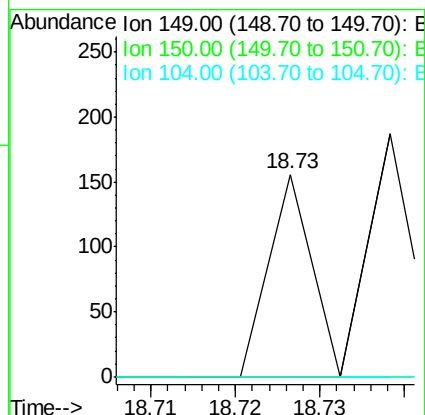
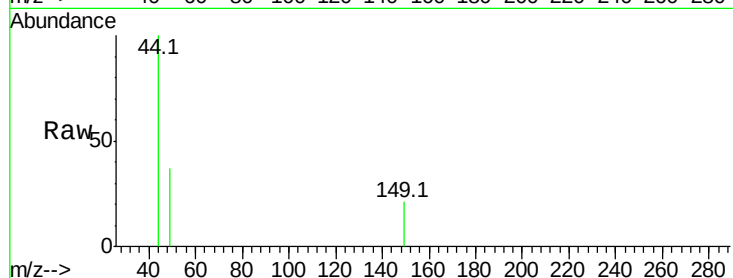
Acq: 29 Jun 2017 5:21

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	149	Resp:	55
Ion	Ratio	Lower	Upper
149	100		
150	0.0	9.1	13.7#
104	0.0	6.7	10.1#



#75

Chrysene-d12

Concen: 20.00 ng

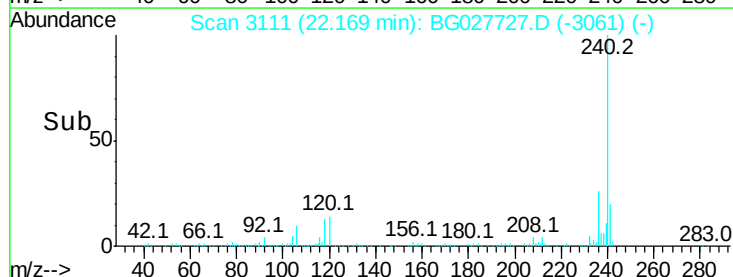
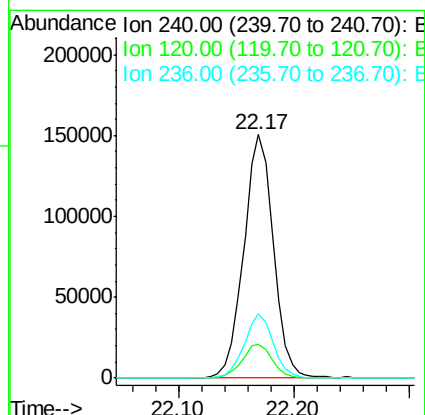
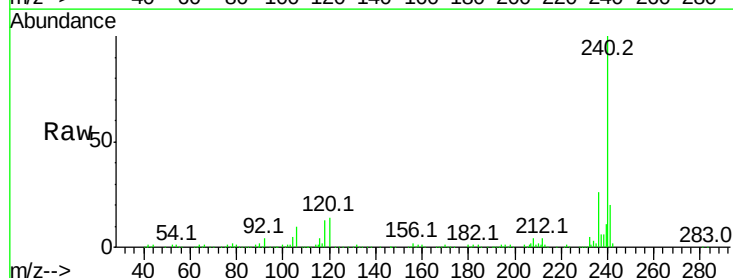
RT: 22.17 min Scan# 3111

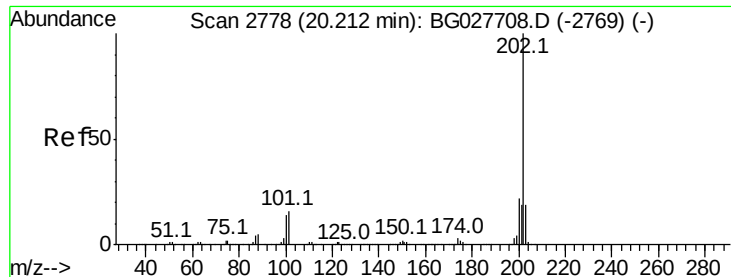
Delta R.T. -0.00 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Tgt Ion:	240	Resp:	268193
Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.7	8.5#
236	26.3	22.2	33.4





#77

Pvrene

Concen: 0.22 ng

RT: 20.39 min Scan# 2808

Delta R.T. 0.18 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Instrument :

BNA_G

ClientSampleId :

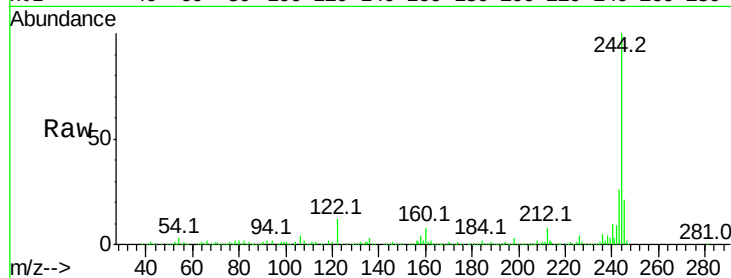
Tot Ion:202 Resp: 3647

Ion Ratio Lower Upper

202 100

200 54.5 19.6 29.4#

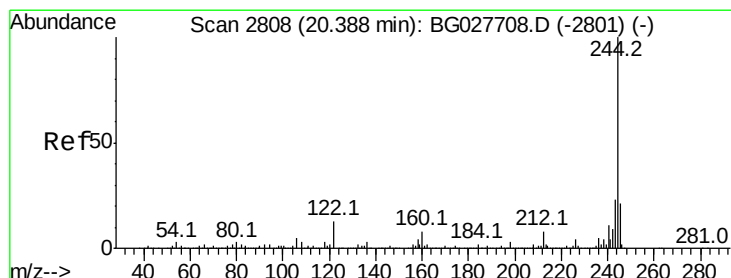
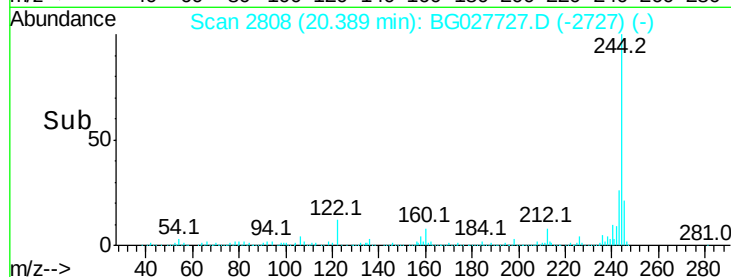
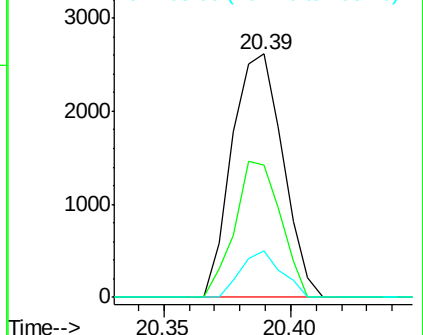
203 19.0 15.8 23.8



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: 90.43 ng

RT: 20.39 min Scan# 2808

Delta R.T. 0.00 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

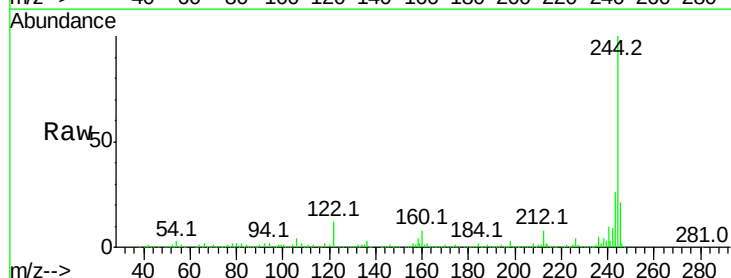
Tgt Ion:244 Resp: 1034470

Ion Ratio Lower Upper

244 100

212 7.6 10.0 15.0#

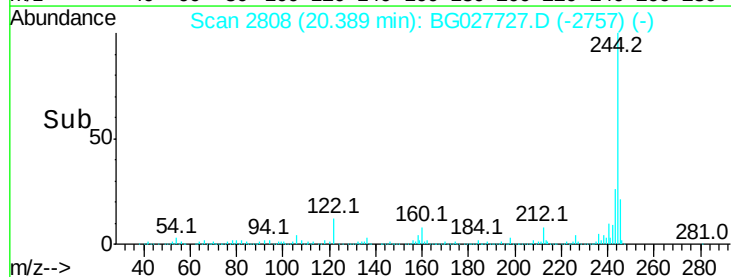
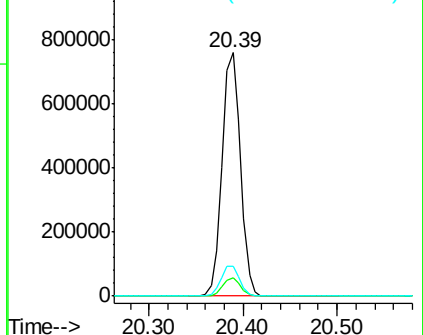
122 12.4 8.6 12.8

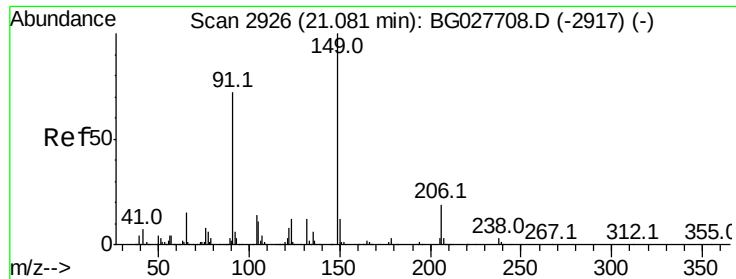


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

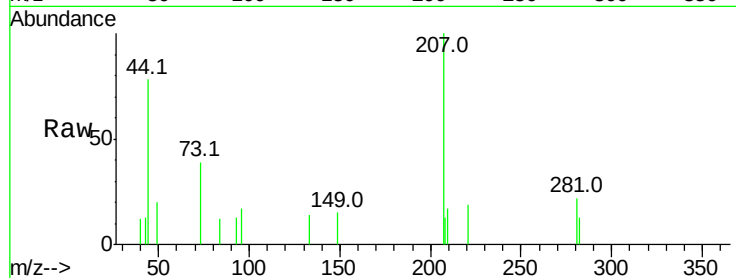




#79
Butylbenzylphthalate
Concen: 0.01 ng
RT: 21.08 min Scan# 2926
Delta R.T. 0.00 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

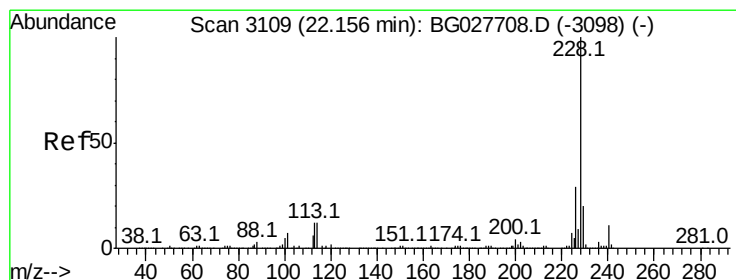
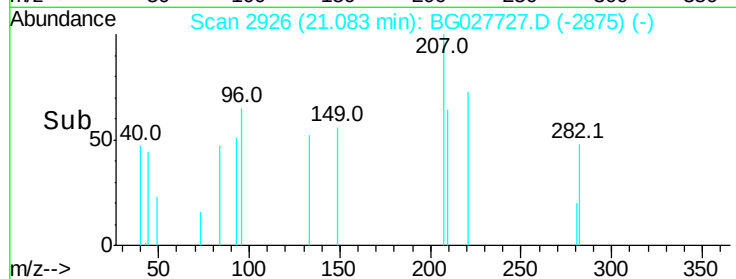
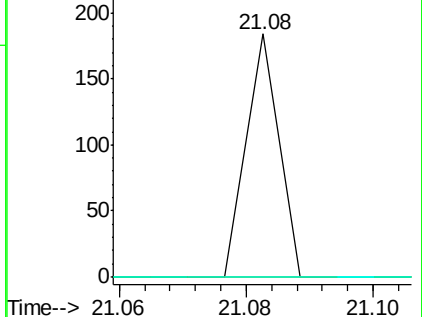
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
91	0.0	63.5	95.3#
206	0.0	21.0	31.6#



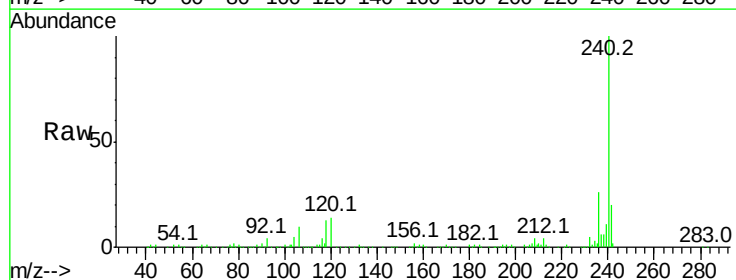
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

21.08



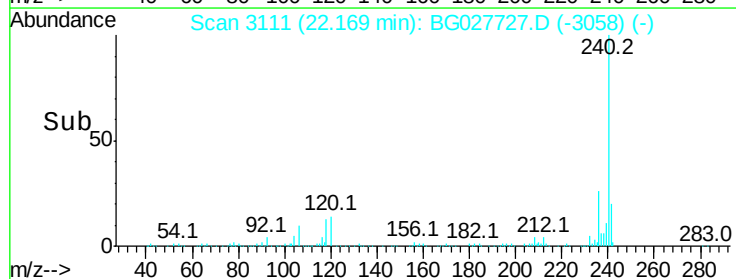
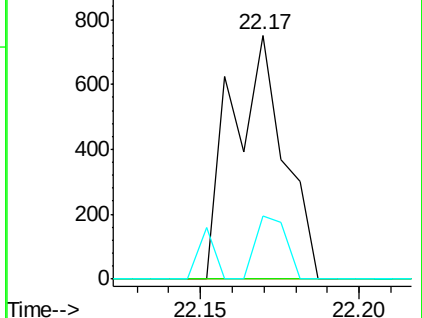
#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 22.17 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

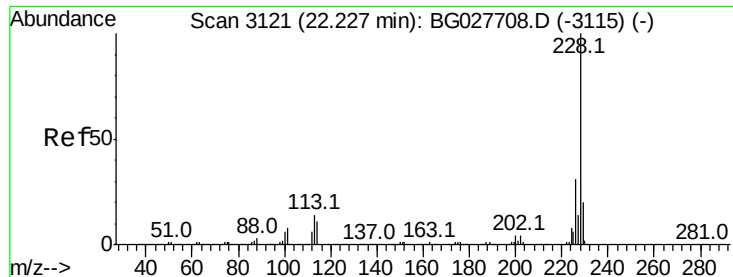
Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.9	37.3#
229	25.7	18.2	27.2



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

22.17

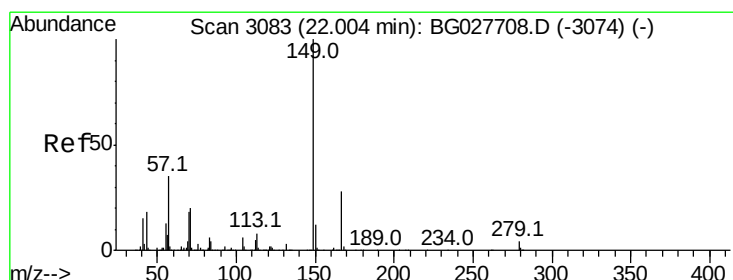
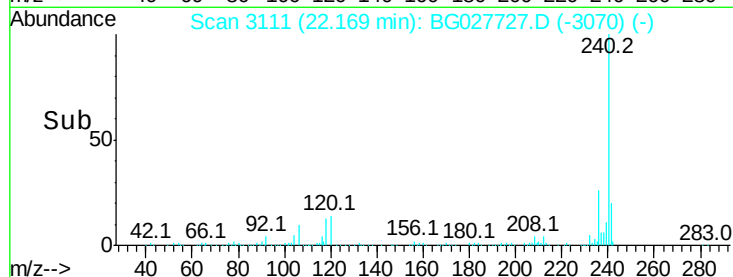
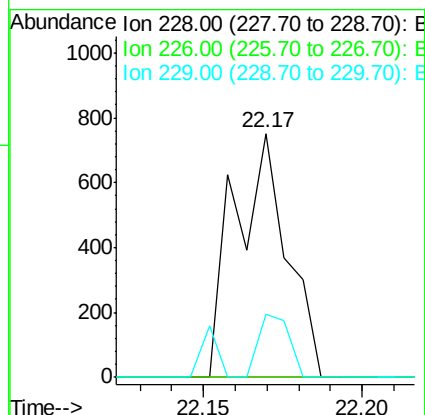
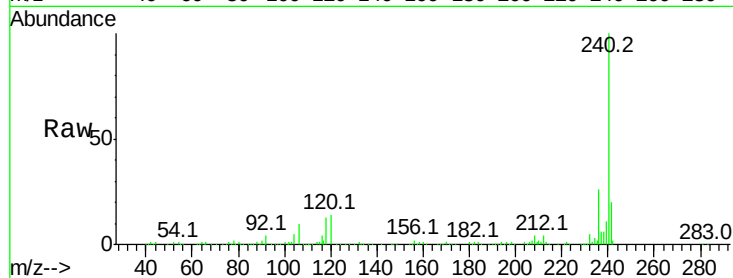




#82
 Chrysene
 Concen: 0.06 ng
 RT: 22.17 min Scan# 3111
 Delta R.T. -0.06 min
 Lab File: BG027727.D
 Acq: 29 Jun 2017 5:21

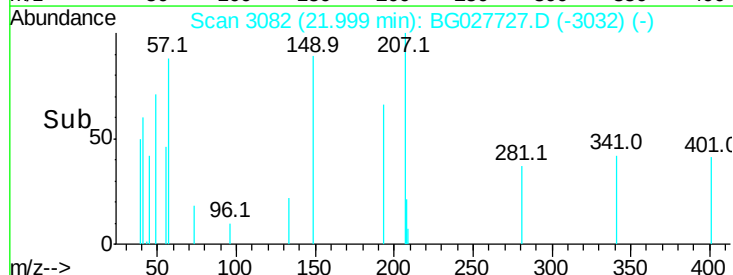
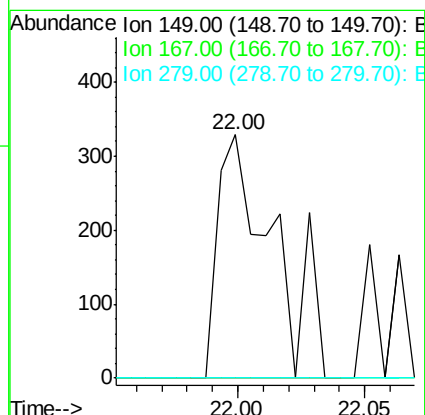
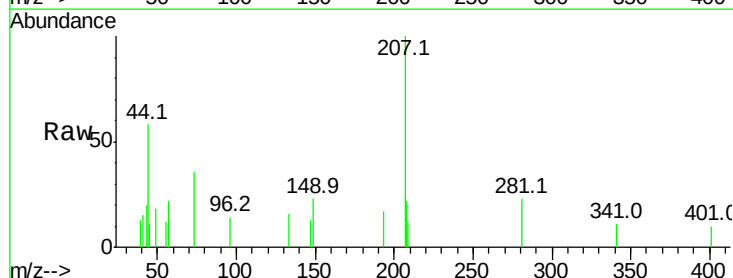
Instrument :
 BNA_G
 ClientSampled :

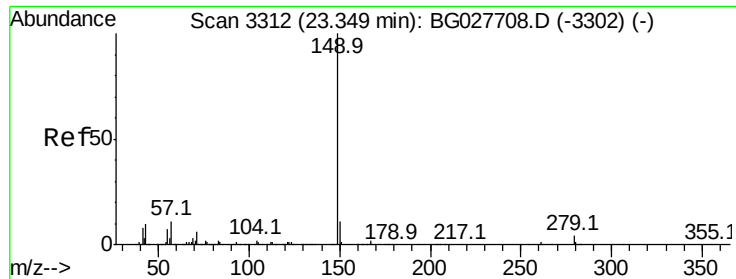
Tot Ion:228 Resp: 859
 Ion Ratio Lower Upper
 228 100
 226 0.0 27.0 40.4#
 229 25.7 17.8 26.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 0.05 ng
 RT: 22.00 min Scan# 3082
 Delta R.T. -0.00 min
 Lab File: BG027727.D
 Acq: 29 Jun 2017 5:21

Tgt Ion:149 Resp: 509
 Ion Ratio Lower Upper
 149 100
 167 0.0 23.7 35.5#
 279 0.0 4.6 6.8#

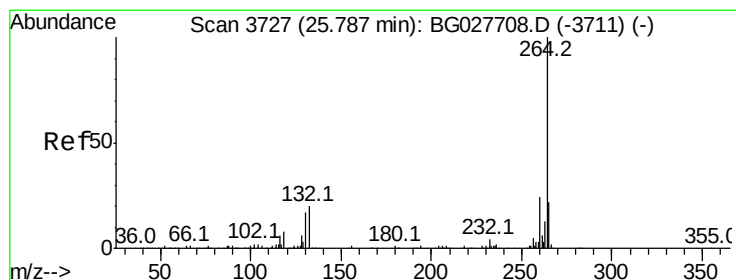
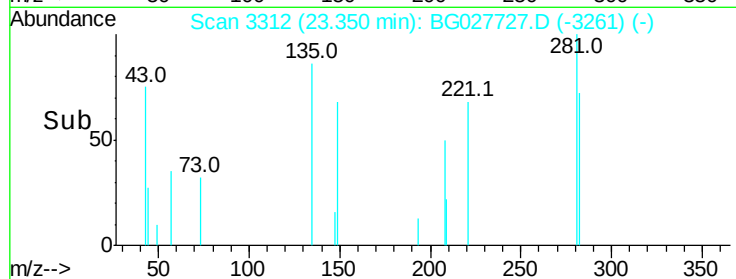
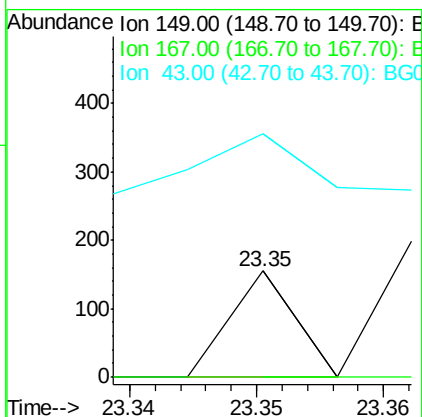
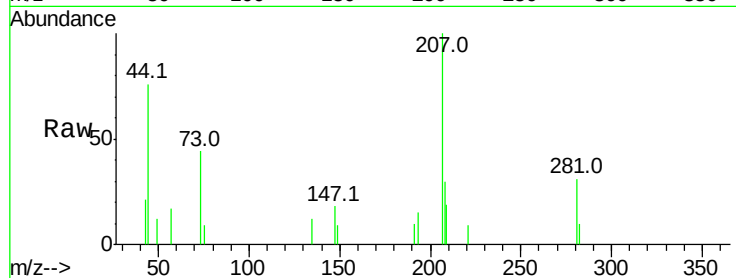




#84
Di-n-octyl phthalate
Concen: 0.00 ng
RT: 23.35 min Scan# 3312
Delta R.T. 0.00 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

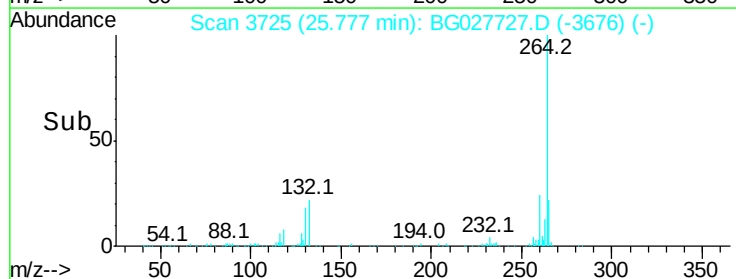
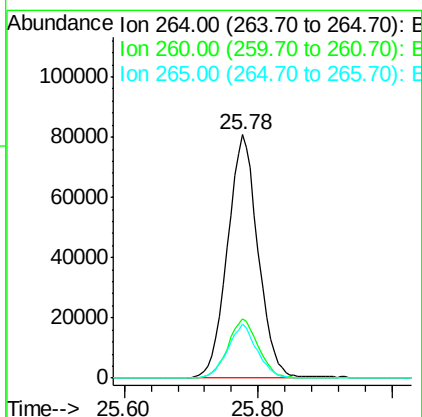
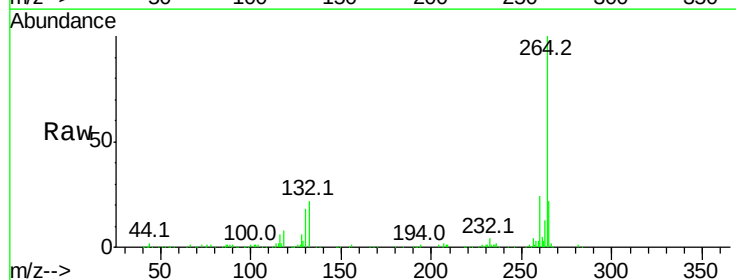
Instrument :
BNA_G
ClientSampleId :

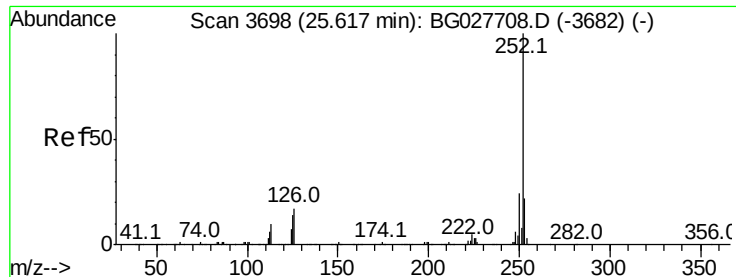
Tot Ion:149 Resp: 55
Ion Ratio Lower Upper
149 100
167 0.0 1.4 2.2#
43 370.9 11.8 17.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.78 min Scan# 3725
Delta R.T. -0.01 min
Lab File: BG027727.D
Acq: 29 Jun 2017 5:21

Tgt Ion:264 Resp: 258544
Ion Ratio Lower Upper
264 100
260 24.1 21.8 32.8
265 22.3 18.2 27.4





#89

Benzo(a)pyrene

Concen: 0.04 ng

RT: 25.78 min Scan# 3726

Delta R.T. 0.17 min

Lab File: BG027727.D

Acq: 29 Jun 2017 5:21

Instrument :

BNA_G

ClientSampleId :

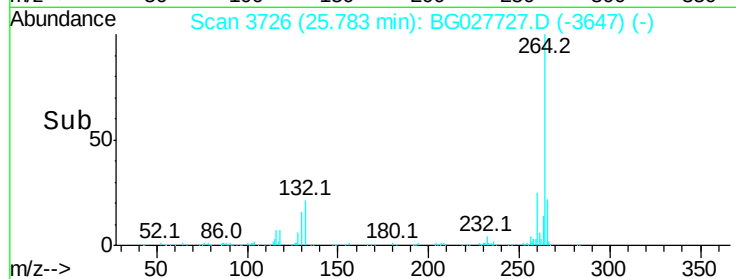
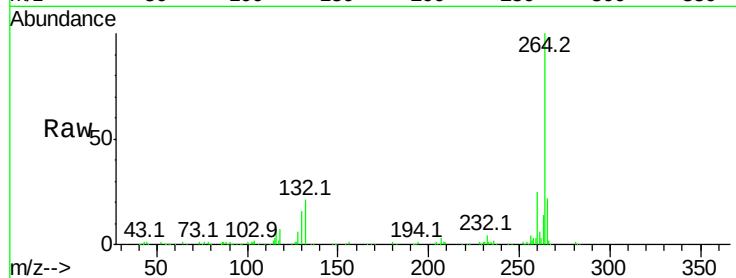
Tot Ion:252 Resp: 662

Ion Ratio Lower Upper

252 100

253 43.7 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

