

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093017\
 Data File : BG028997.D
 Acq On : 1 Oct 2017 2:41
 Operator : SJ/JU
 Sample : I5546-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

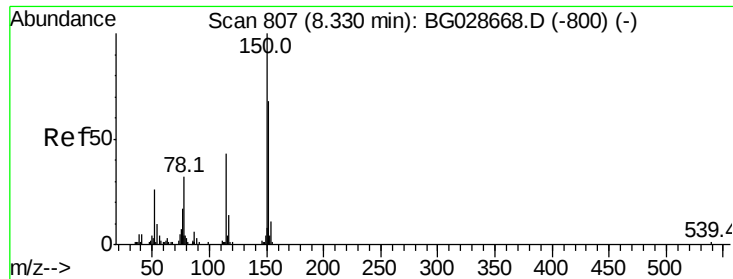
Quant Time: Oct 01 04:38:22 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	54289	20.00	ng	-0.08
21) Naphthalene-d8	11.18	136	211726	20.00	ng	0.03
38) Acenaphthene-d10	14.96	164	133910	20.00	ng	0.01
63) Phenanthrene-d10	17.67	188	302930	20.00	ng	-0.03
75) Chrysene-d12	22.03	240	285073	20.00	ng	0.00
86) Perylene-d12	25.49	264	378039	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	7.61	99	8001	1.62	ng	0.12
23) Nitrobenzene-d5	9.60	82	415592	93.90	ng	0.10
41) 2,4,6-Tribromophenol	16.40	330	9282	4.19	ng	-0.04
44) 2-Fluorobiphenyl	13.65	172	1034353	103.00	ng	0.08
78) Terphenyl-d14	20.22	244	1949703	145.85	ng	-0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.40	77	14295	4.651	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.66	45	239307	35.081	ng	78
19) n-Nitroso-di-n-propylamine	9.18	70	43654	12.431	ng	# 1
20) 3+4-Methylphenols	9.03	107	17307875	3622.136	ng	# 33
22) Acetophenone	8.90	105	165553	26.742	ng	# 1
24) Nitrobenzene	9.36	77	175246	35.757	ng	# 56
32) Benzoic acid	10.50	122	62	6.106	ng	# 1
33) 4-Chloroaniline	11.33	127	9962	2.150	ng	# 51
35) Caprolactam	11.91	113	30404	22.350	ng	# 1
47) 2-Nitroaniline	14.25	65	52068	17.324	ng	# 50
53) 2,4-Dinitrophenol	15.22	184	53	8.038	ng	# 1
62) Azobenzene	16.44	77	2895150	298.310	ng	# 47
72) Carbazole	17.85	167	74380	5.278	ng	# 88
76) Benzidine	19.89	184	352061	47.623	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.25 min Scan# 794

Delta R.T. -0.08 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

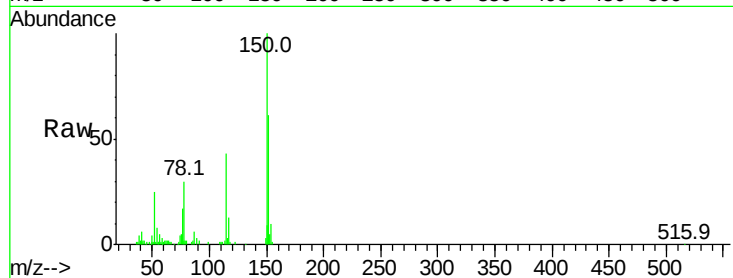
Tot Ion:152 Resp: 54289

Ion Ratio Lower Upper

152 100

150 163.0 114.0 171.0

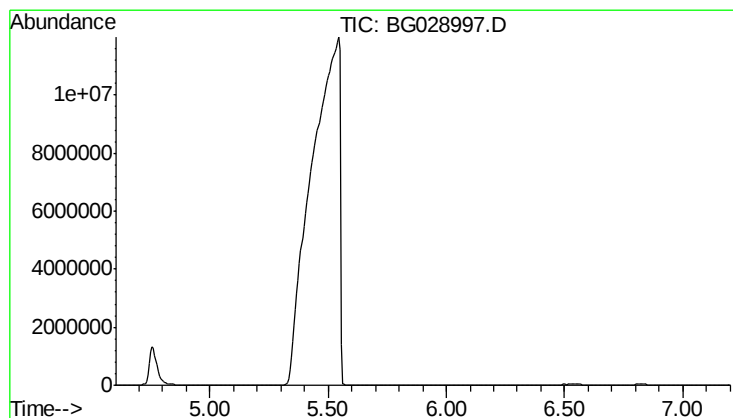
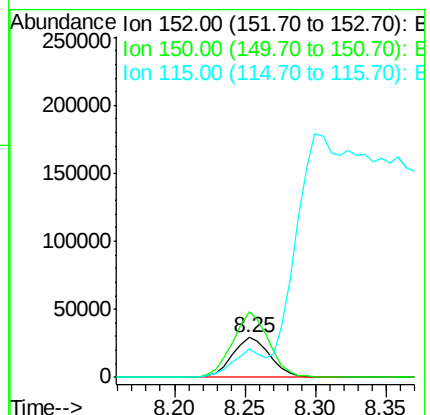
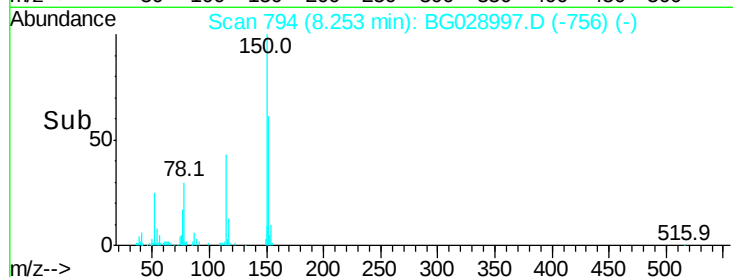
115 70.2 48.1 72.1



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



#5

2-Fluorophenol

Concen: 0.000 ng

Expected RT: 5.90 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

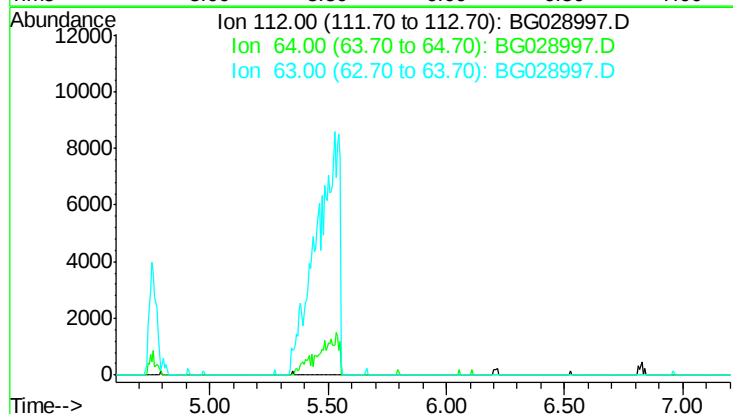
Tgt Ion: 112

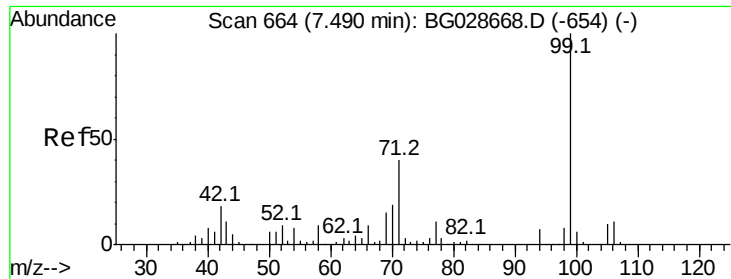
Sig Exp Ratio

112 100

64 77.2

63 46.5





#7

Phenol-d6

Concen: 1.615 ng

RT: 7.61 min Scan# 684

Delta R.T. 0.12 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Instrument :

BNA_G

ClientSampled :

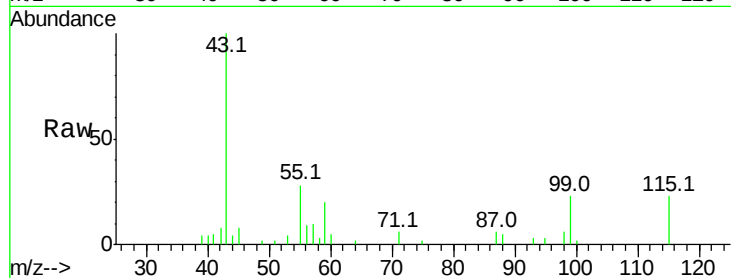
Tot Ion: 99 Resp: 8001

Ion Ratio Lower Upper

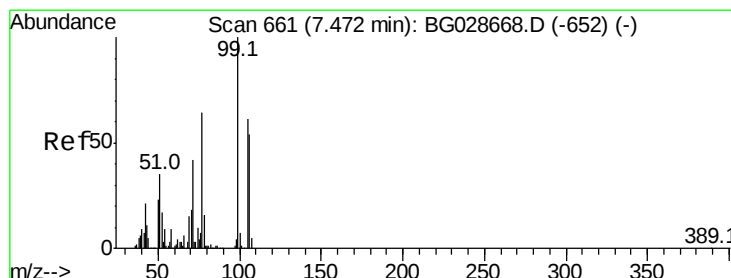
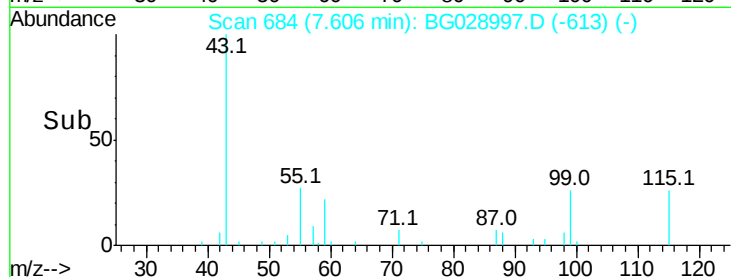
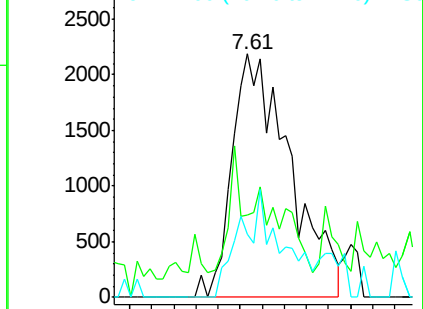
99 100

42 33.6 20.5 30.7#

71 25.7 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: 4.651 ng

RT: 7.40 min Scan# 649

Delta R.T. -0.07 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

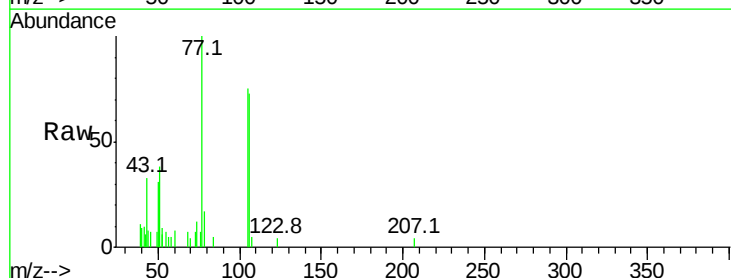
Tgt Ion: 77 Resp: 14295

Ion Ratio Lower Upper

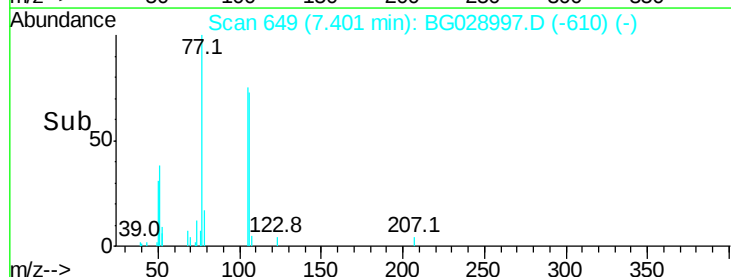
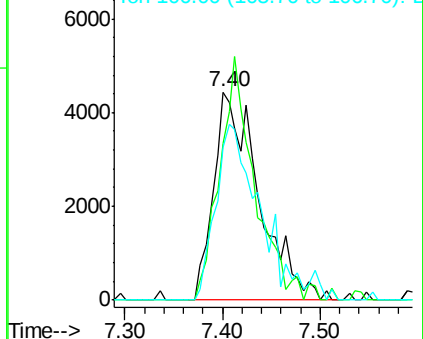
77 100

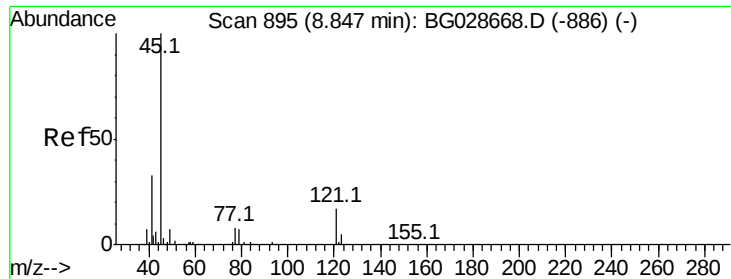
105 75.0 60.9 100.9

106 73.4 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

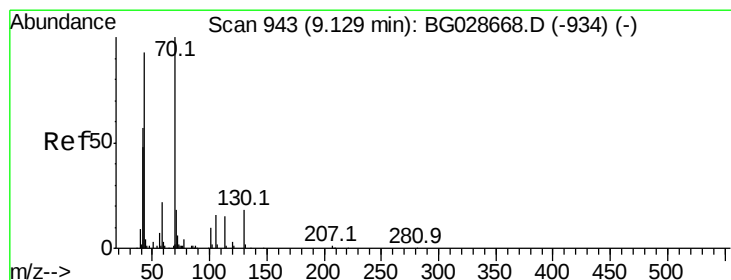
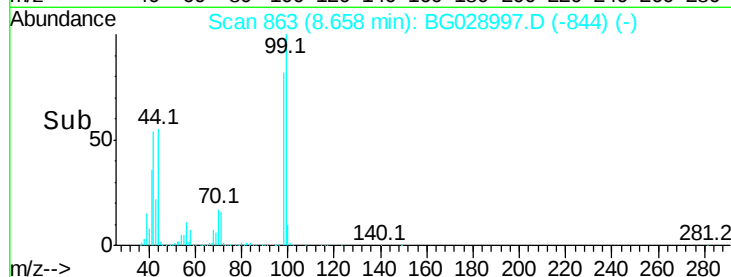
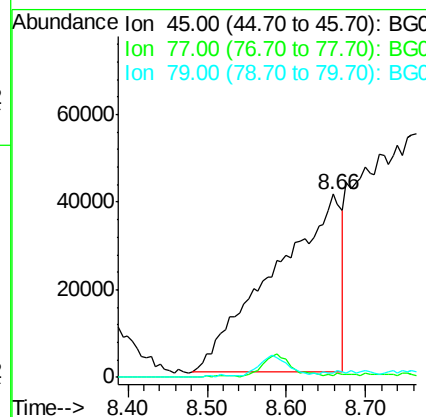
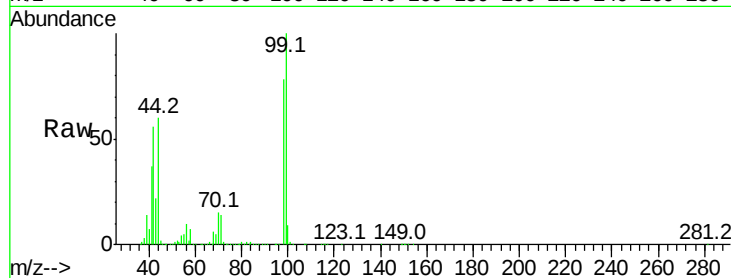




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 35.081 ng
RT: 8.66 min Scan# 863
Delta R.T. -0.19 min
Lab File: BG028997.D
Acq: 1 Oct 2017 2:41

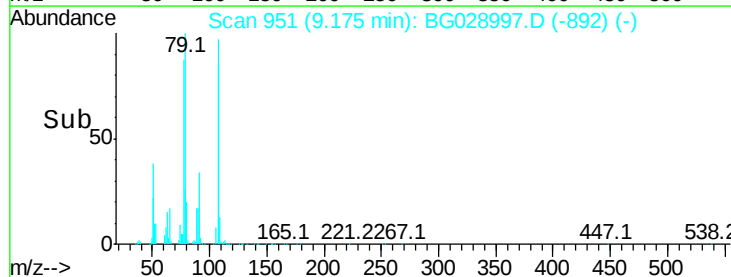
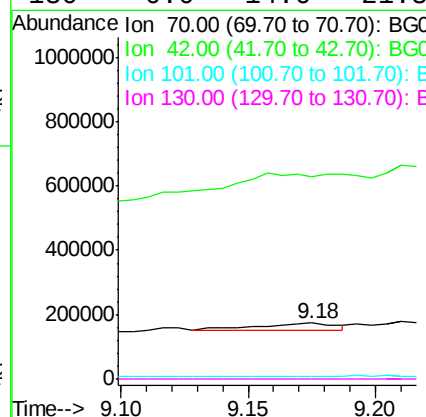
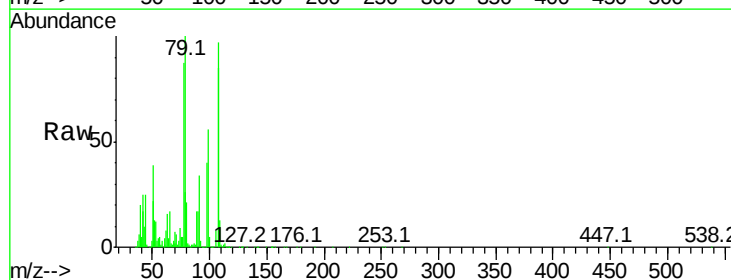
Instrument :
BNA_G
ClientSampleId :

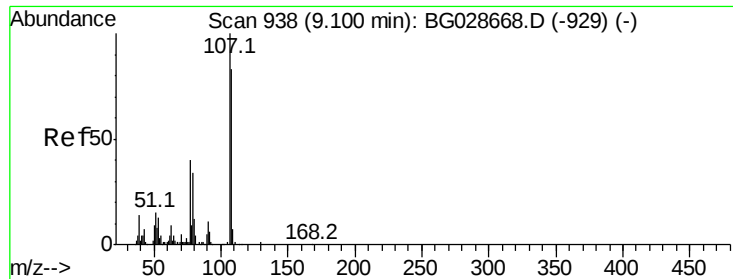
Tot Ion: 45 Resp: 239307
Ion Ratio Lower Upper
45 100
77 1.2 0.0 30.6
79 2.2 0.0 28.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.431 ng
RT: 9.18 min Scan# 951
Delta R.T. 0.05 min
Lab File: BG028997.D
Acq: 1 Oct 2017 2:41

Tgt Ion: 70 Resp: 43654
Ion Ratio Lower Upper
70 100
42 363.6 56.1 84.1#
101 4.6 7.5 11.3#
130 0.0 14.6 21.8#





#20

3+4-Methylphenols

Concen: 3622.136 ng

RT: 9.03 min Scan# 927

Delta R.T. -0.07 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:107 Resp:17307875

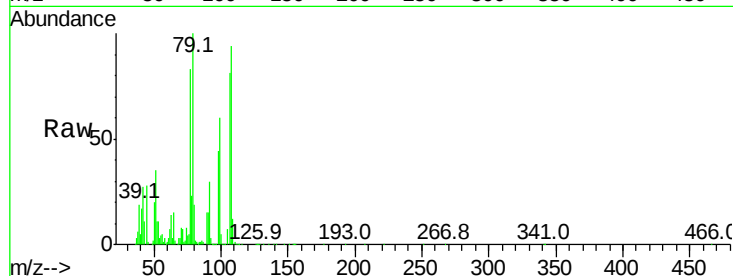
Ion Ratio Lower Upper

107 100

108 116.8 70.8 110.8#

77 103.1 25.8 65.8#

79 124.2 20.1 60.1#

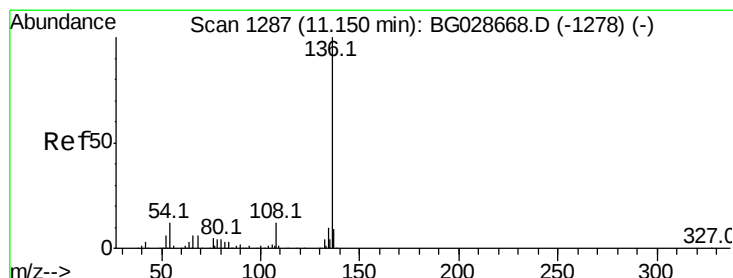
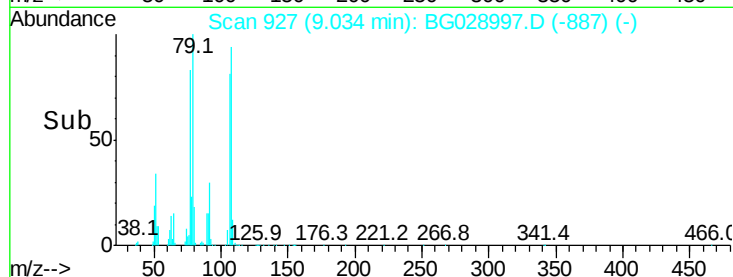
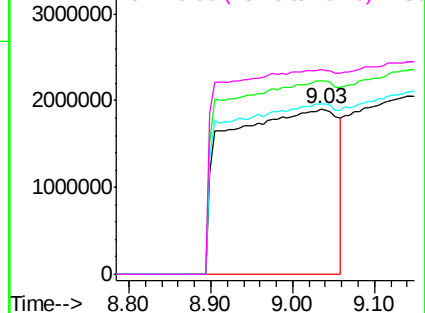


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

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: 11.18 min Scan# 1292

Delta R.T. 0.03 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Tgt Ion:136 Resp: 211726

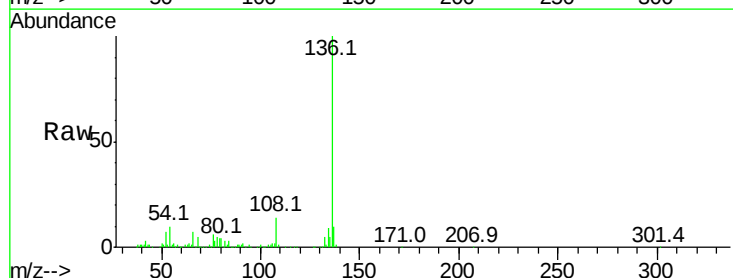
Ion Ratio Lower Upper

136 100

137 10.2 8.9 13.3

54 10.4 9.3 13.9

68 4.9 5.1 7.7#

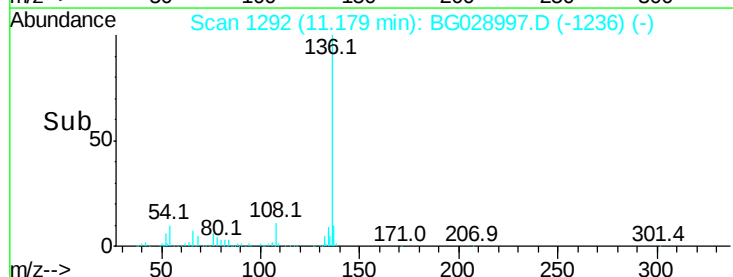
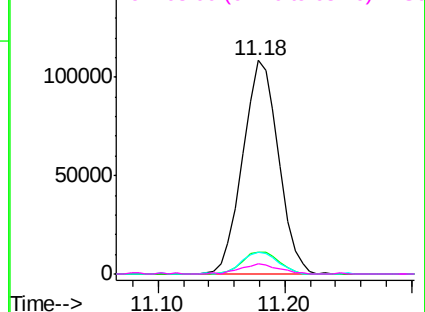


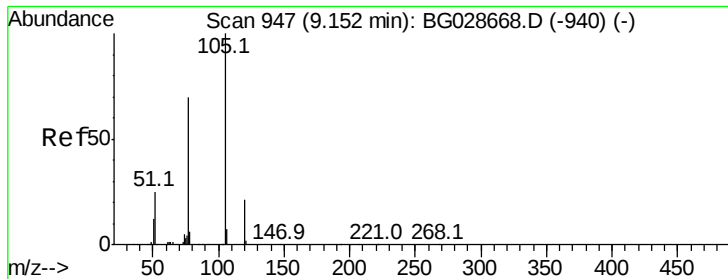
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#22

Acetophenone

Concen: 26.742 ng

RT: 8.90 min Scan# 905

Delta R.T. -0.25 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 165553

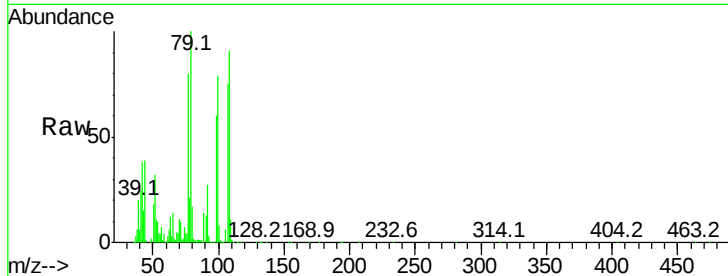
Ion Ratio Lower Upper

105 100

71 160.3 0.9 1.3#

51 538.8 34.0 51.0#

120 0.0 17.3 25.9#

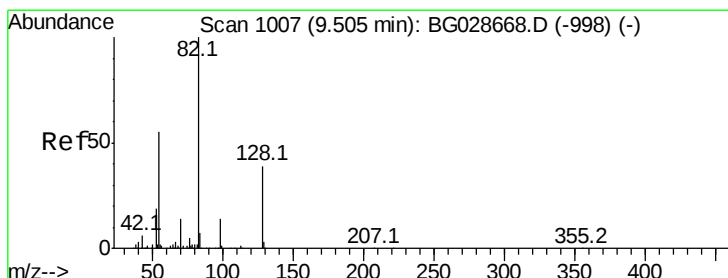
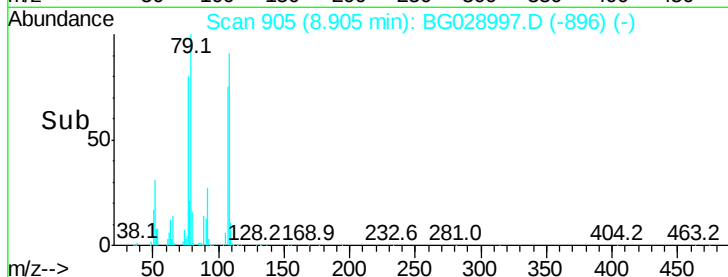
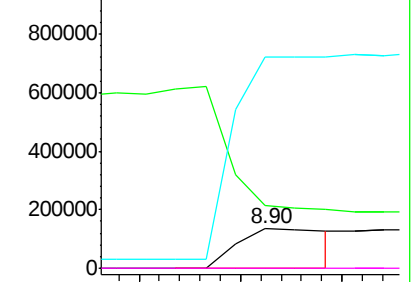


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 93.899 ng

RT: 9.60 min Scan# 1024

Delta R.T. 0.10 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

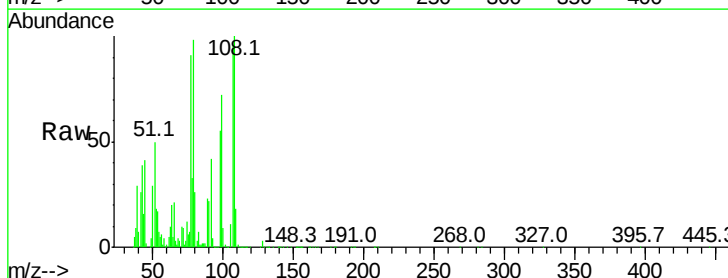
Tgt Ion: 82 Resp: 415592

Ion Ratio Lower Upper

82 100

128 45.3 26.4 39.6#

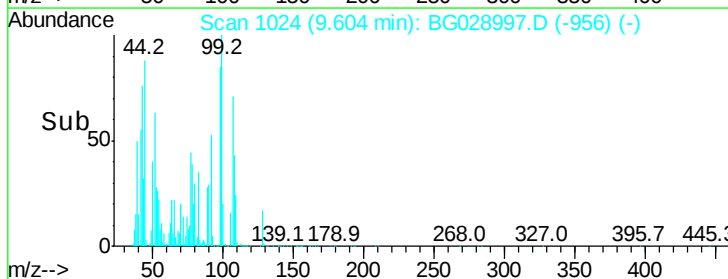
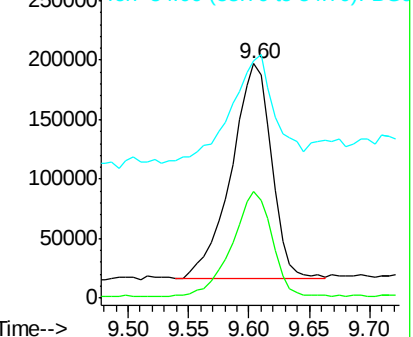
54 101.3 49.4 74.2#

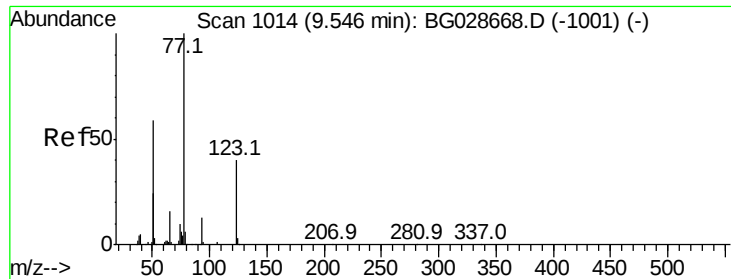


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

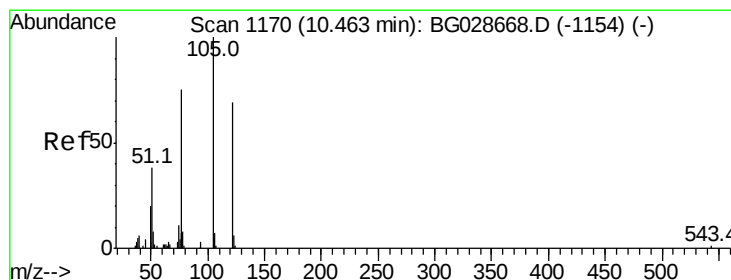
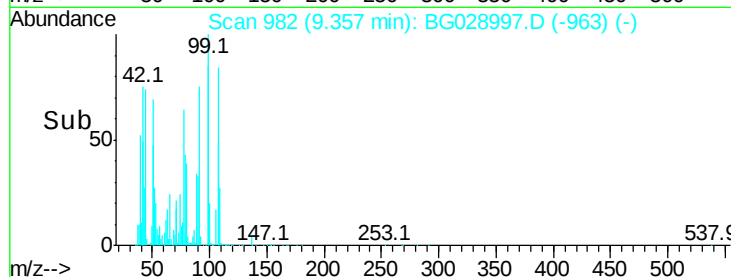
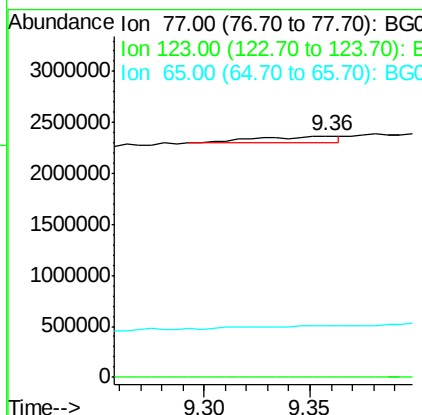
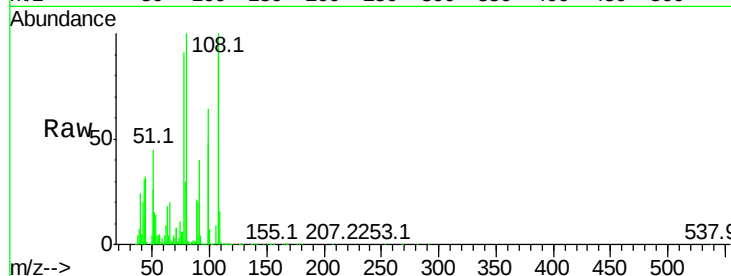




#24
 Nitrobenzene
 Concen: 35.757 ng
 RT: 9.36 min Scan# 982
 Delta R.T. -0.19 min
 Lab File: BG028997.D
 Acq: 1 Oct 2017 2:41

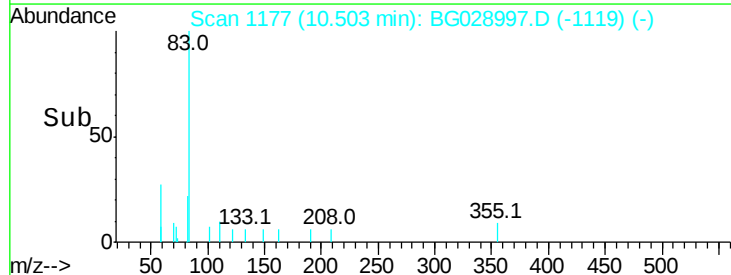
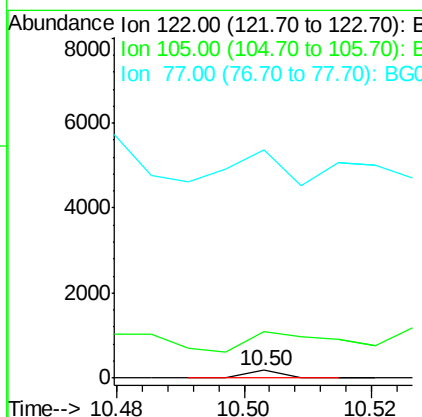
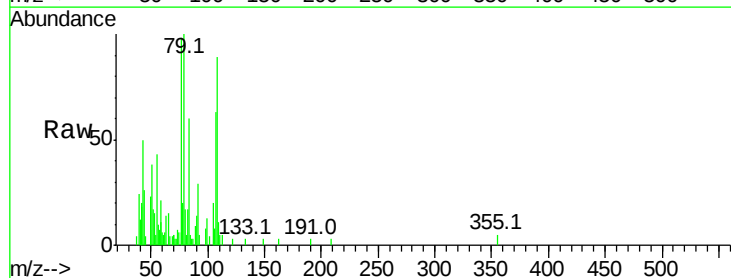
Instrument :
 BNA_G
 ClientSampled :

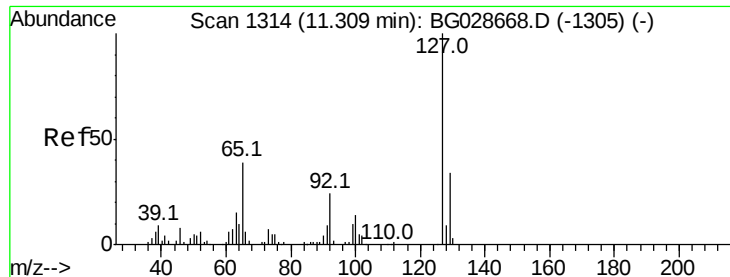
Tot Ion: 77 Resp: 175246
 Ion Ratio Lower Upper
 77 100
 123 0.0 26.1 39.1#
 65 21.6 12.4 18.6#



#32
 Benzoic acid
 Concen: 6.106 ng
 RT: 10.50 min Scan# 1177
 Delta R.T. 0.04 min
 Lab File: BG028997.D
 Acq: 1 Oct 2017 2:41

Tgt Ion: 122 Resp: 62
 Ion Ratio Lower Upper
 122 100
 105 623.3 120.1 160.1#
 77 3045.5 104.6 144.6#

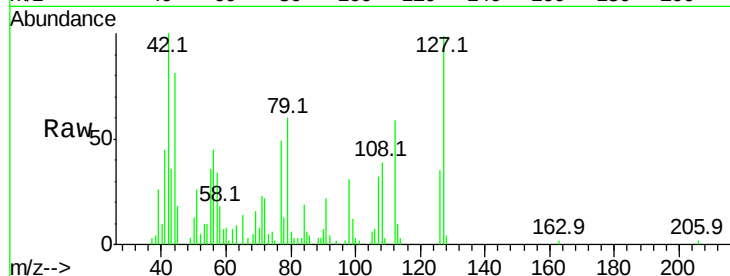




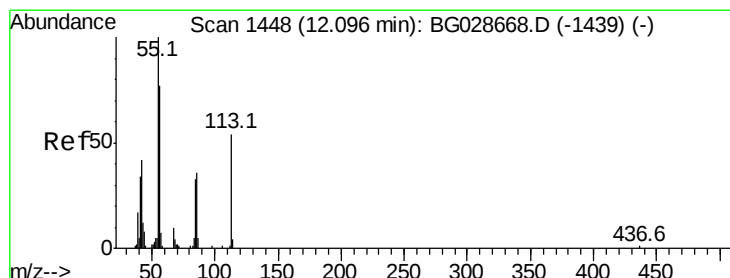
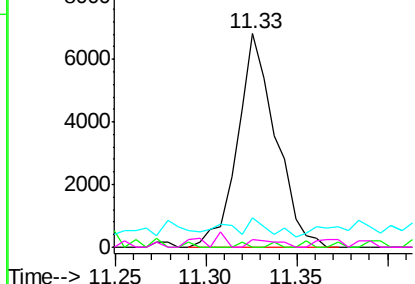
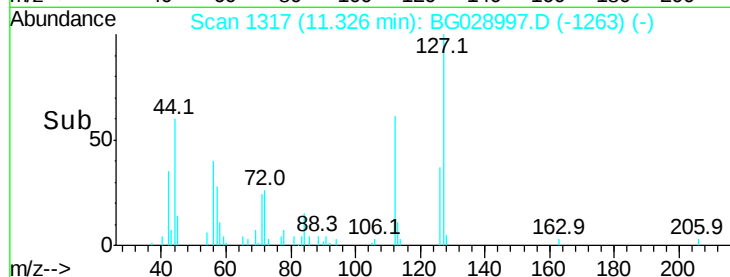
#33
4-Chloroaniline
Concen: 2.150 ng
RT: 11.33 min Scan# 1317
Delta R.T. 0.02 min
Lab File: BG028997.D
Acq: 1 Oct 2017 2:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:127 Resp: 9962
Ion Ratio Lower Upper
127 100
129 0.0 23.6 35.4#
65 13.9 37.7 56.5#
92 3.5 17.6 26.4#

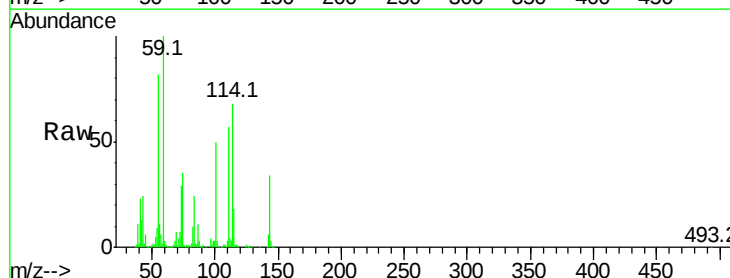


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BG
Ion 92.00 (91.70 to 92.70): BG

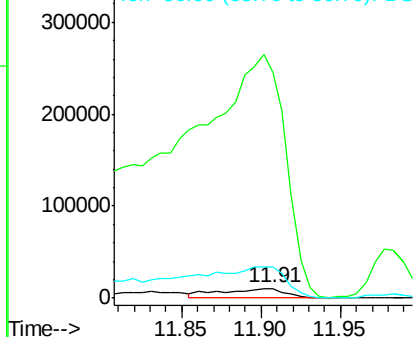
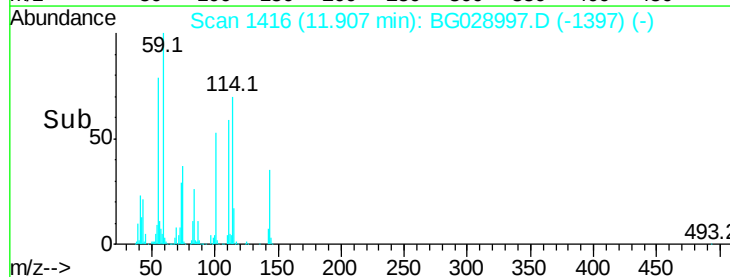


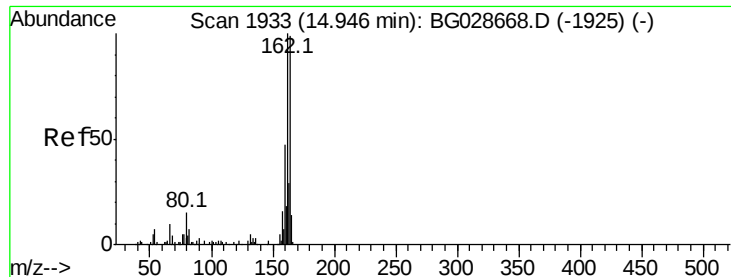
#35
Caprolactam
Concen: 22.350 ng
RT: 11.91 min Scan# 1416
Delta R.T. -0.19 min
Lab File: BG028997.D
Acq: 1 Oct 2017 2:41

Tgt Ion:113 Resp: 30404
Ion Ratio Lower Upper
113 100
55 2378.3 198.6 238.6#
56 329.1 140.4 180.4#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BG
Ion 56.00 (55.70 to 56.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.96 min Scan# 1935

Delta R.T. 0.01 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Instrument :

BNA_G

ClientSampled :

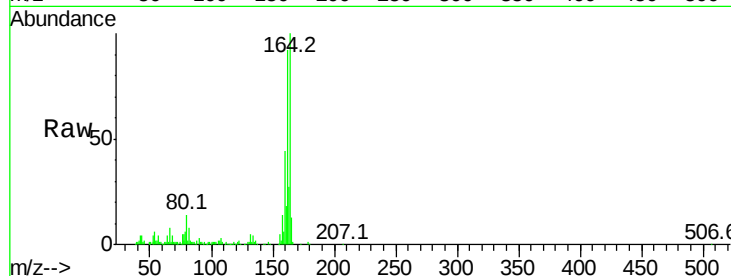
Tot Ion:164 Resp: 133910

Ion Ratio Lower Upper

164 100

162 91.5 85.1 127.7

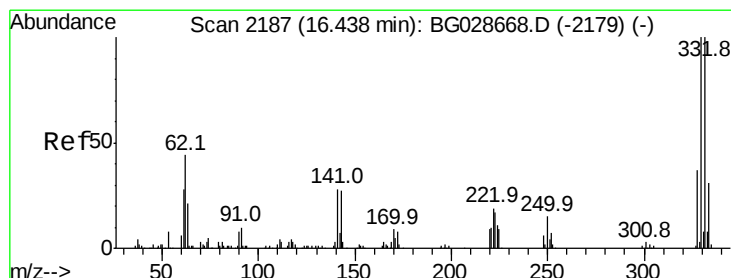
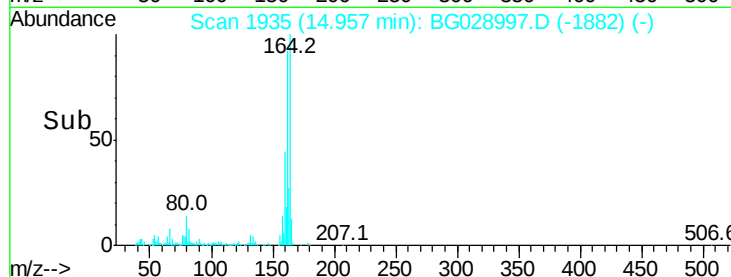
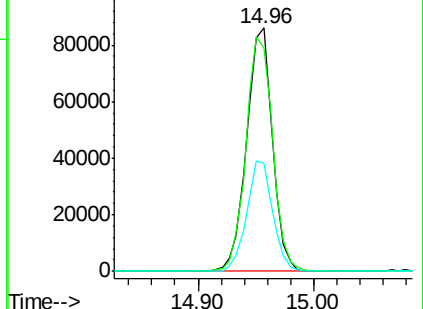
160 44.5 34.7 52.1



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: 4.191 ng

RT: 16.40 min Scan# 2180

Delta R.T. -0.04 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

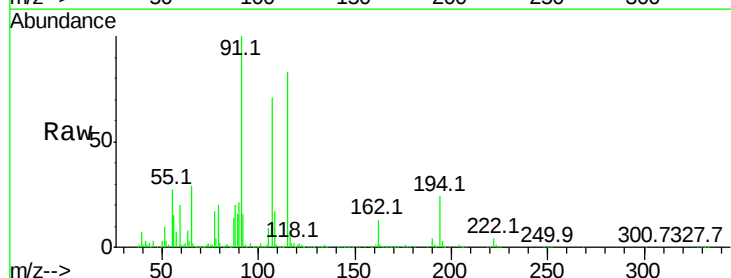
Tgt Ion:330 Resp: 9282

Ion Ratio Lower Upper

330 100

332 140.7 77.3 115.9#

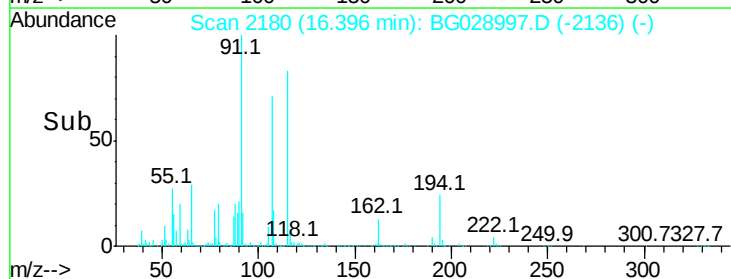
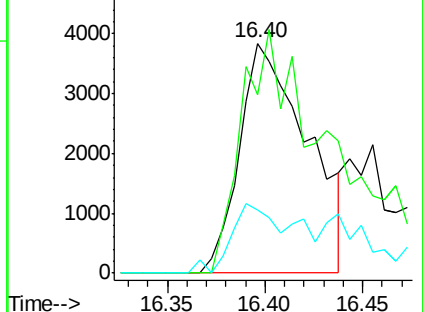
141 19.3 32.1 48.1#

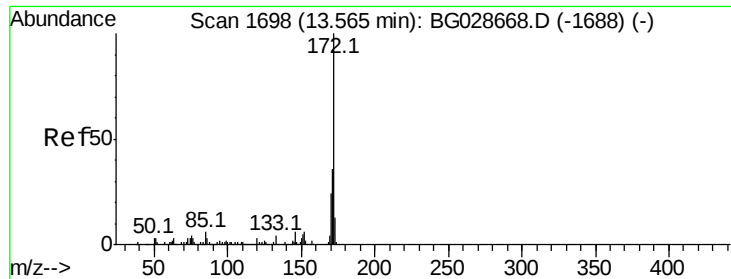


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 102.997 ng

RT: 13.65 min Scan# 1712

Delta R.T. 0.08 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

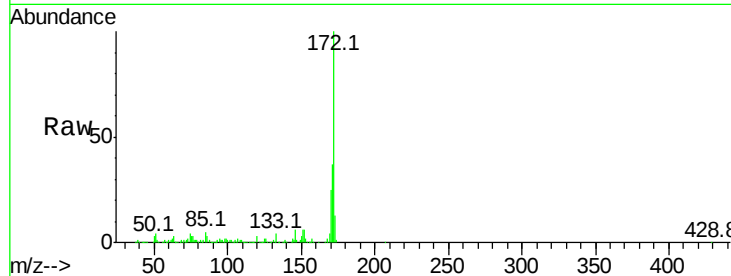
Instrument :

BNA_G

ClientSampleId :

Tot Ion:172 Resp: 1034353

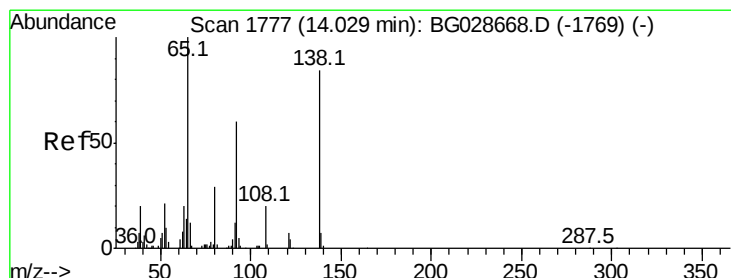
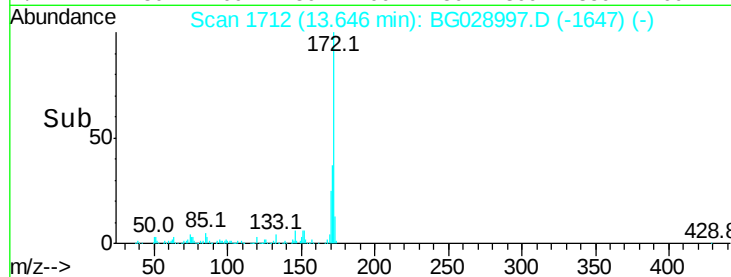
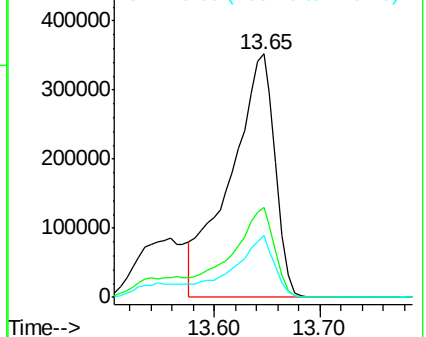
Ion	Ratio	Lower	Upper
172	100		
171	36.8	32.2	48.2
170	25.2	21.8	32.6



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



#47

2-Nitroaniline

Concen: 17.324 ng

RT: 14.25 min Scan# 1814

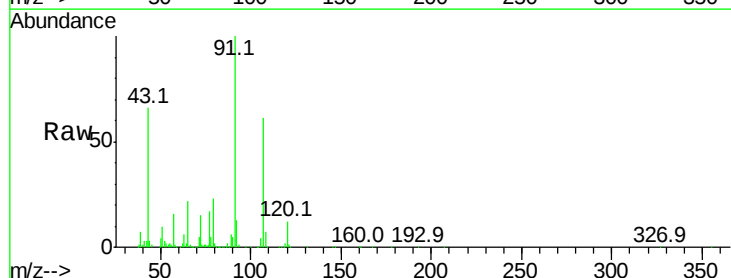
Delta R.T. 0.22 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Tgt Ion: 65 Resp: 52068

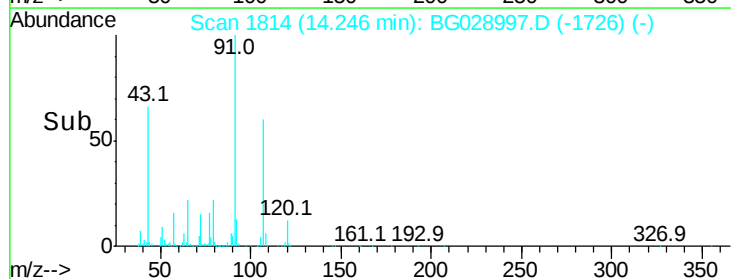
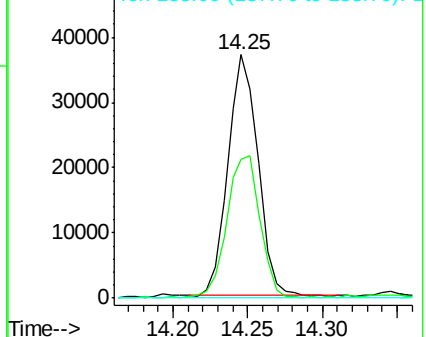
Ion	Ratio	Lower	Upper
65	100		
92	57.0	49.0	73.4
138	0.0	58.6	87.8#

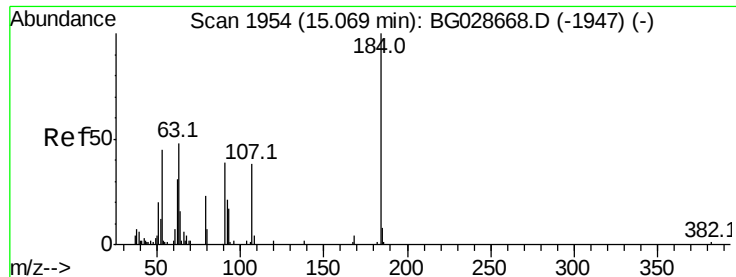


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E

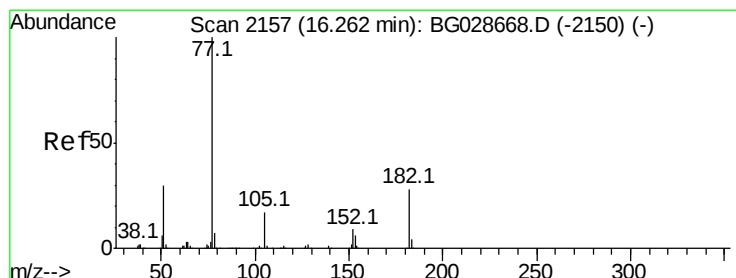
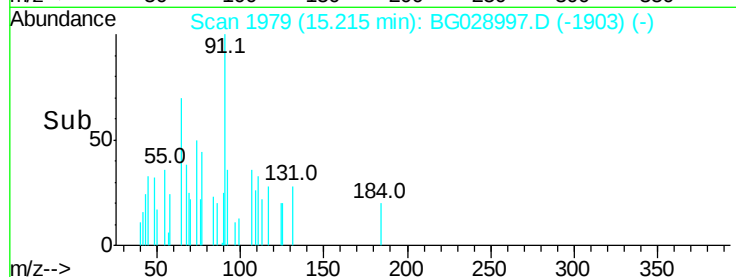
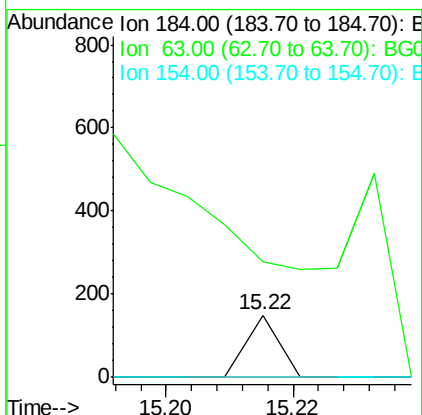
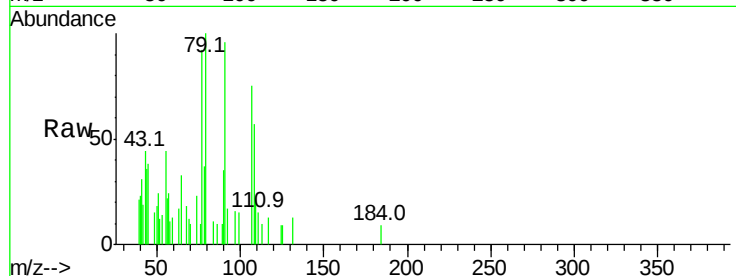




#53
2,4-Dinitrophenol
Concen: 8.038 ng
RT: 15.22 min Scan# 1979
Delta R.T. 0.15 min
Lab File: BG028997.D
Acq: 1 Oct 2017 2:41

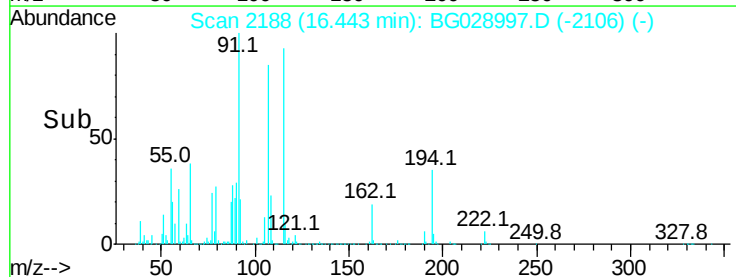
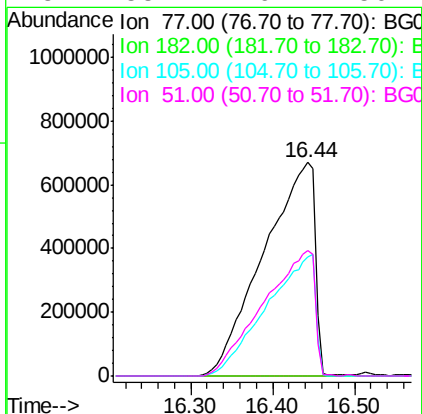
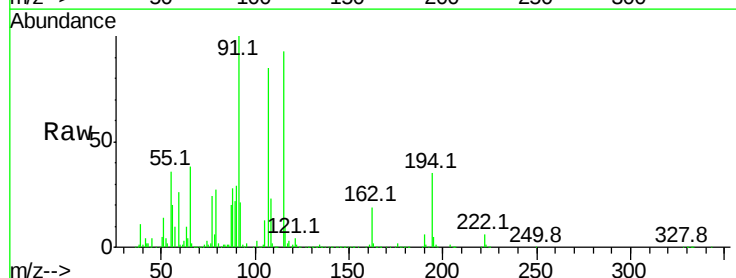
Instrument :
BNA_G
ClientSampleId :

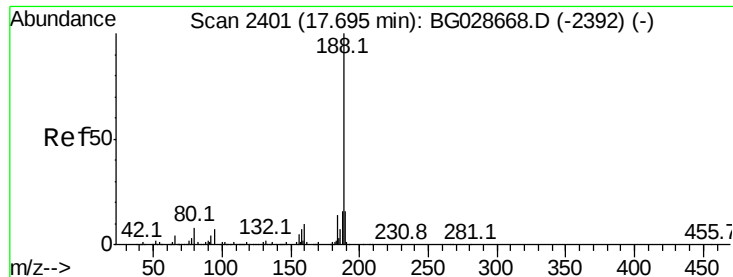
Tot Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 186.0 52.7 79.1#
154 0.0 57.3 85.9#



#62
Azobenzene
Concen: 298.310 ng
RT: 16.44 min Scan# 2188
Delta R.T. 0.18 min
Lab File: BG028997.D
Acq: 1 Oct 2017 2:41

Tgt Ion: 77 Resp: 2895150
Ion Ratio Lower Upper
77 100
182 0.0 4.7 44.7#
105 55.8 0.0 36.3#
51 58.7 16.4 56.4#

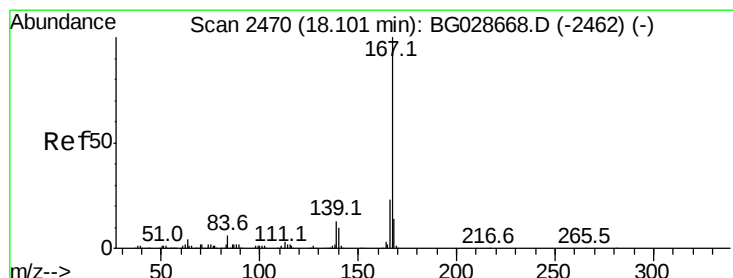
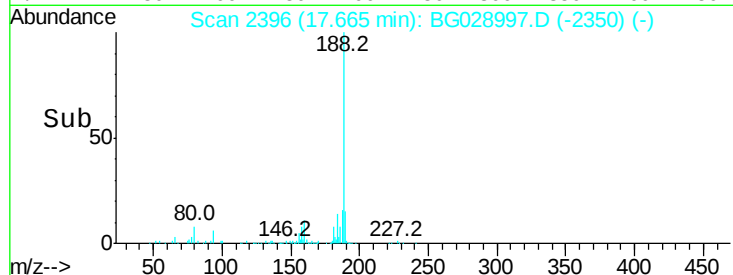
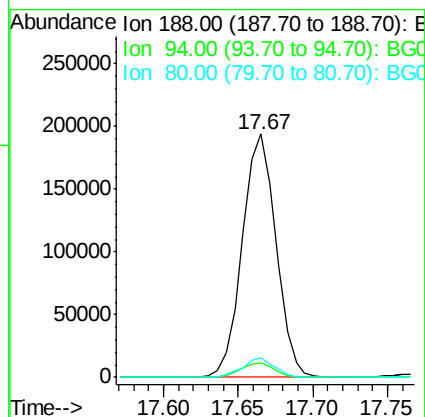
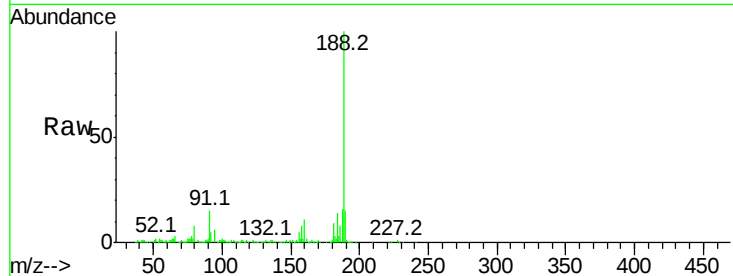




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.67 min Scan# 2396
Delta R.T. -0.03 min
Lab File: BG028997.D
Acq: 1 Oct 2017 2:41

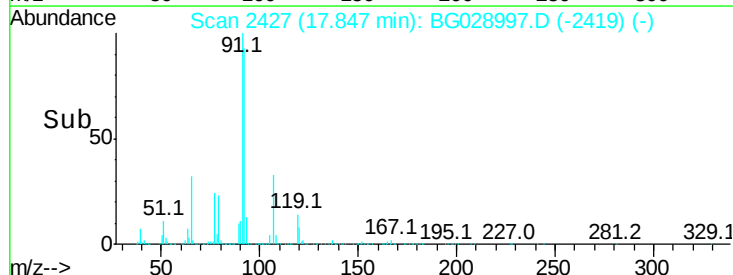
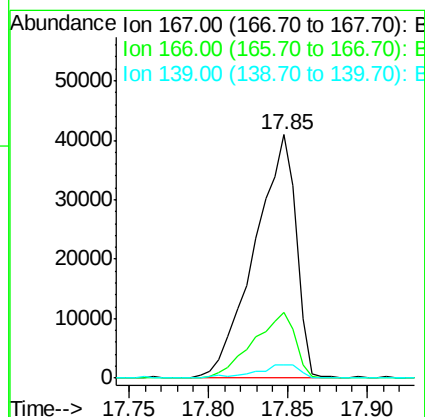
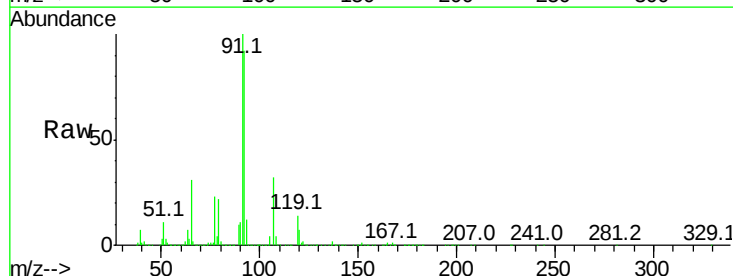
Instrument :
BNA_G
ClientSampleId :

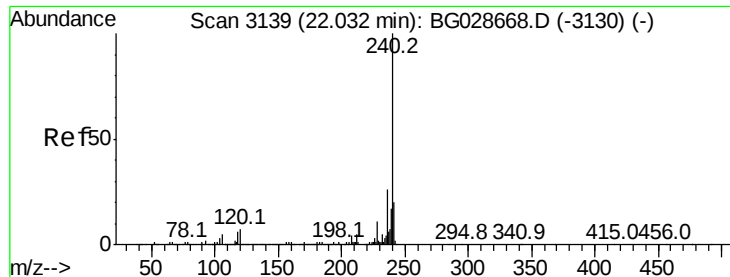
Tot Ion	Ratio	Lower	Upper
188	100		
94	5.9	5.8	8.8
80	8.0	7.5	11.3



#72
Carbazole
Concen: 5.278 ng
RT: 17.85 min Scan# 2427
Delta R.T. -0.25 min
Lab File: BG028997.D
Acq: 1 Oct 2017 2:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	27.0	20.2	30.2
139	5.3	12.8	19.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.03 min Scan# 3139

Delta R.T. -0.00 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Instrument :

BNA_G

ClientSampleId :

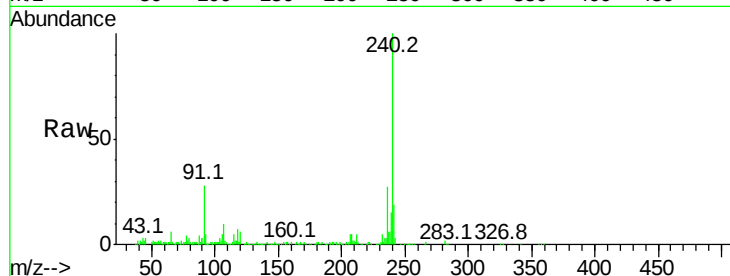
Tot Ion:240 Resp: 285073

Ion Ratio Lower Upper

240 100

120 5.8 5.7 8.5

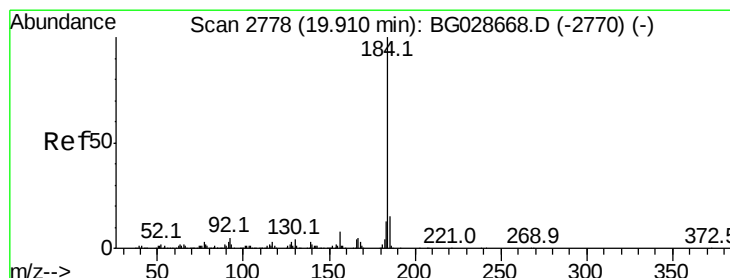
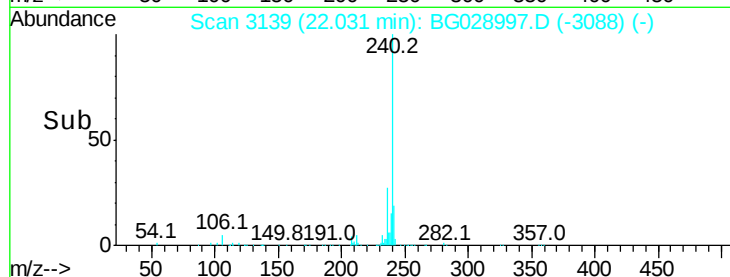
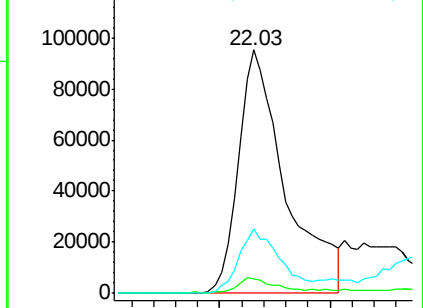
236 26.6 22.2 33.4



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: 47.623 ng

RT: 19.89 min Scan# 2775

Delta R.T. -0.02 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

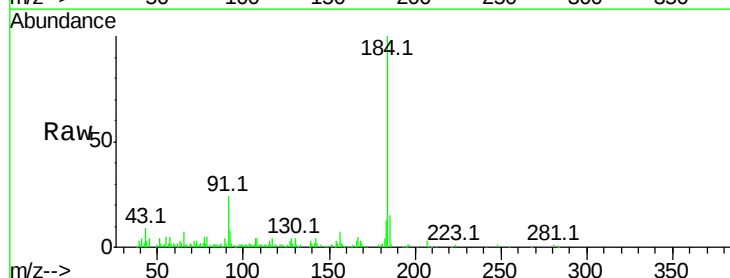
Tgt Ion:184 Resp: 352061

Ion Ratio Lower Upper

184 100

185 15.5 13.0 19.6

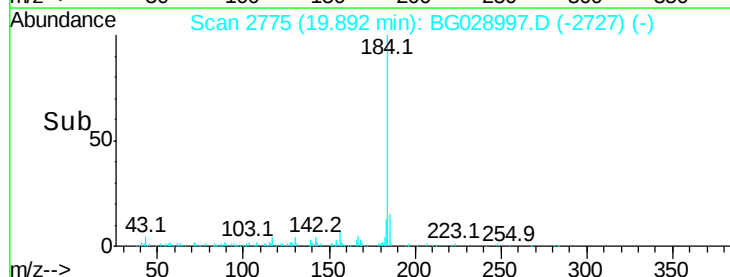
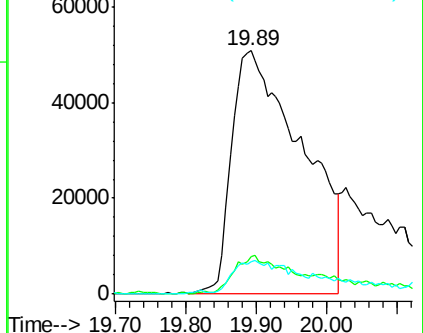
183 13.2 11.0 16.6

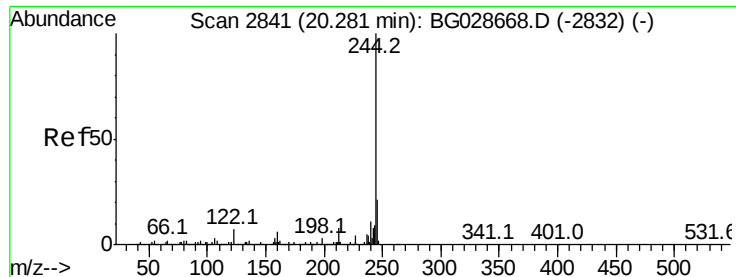


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 145.853 ng

RT: 20.22 min Scan# 2831

Delta R.T. -0.06 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

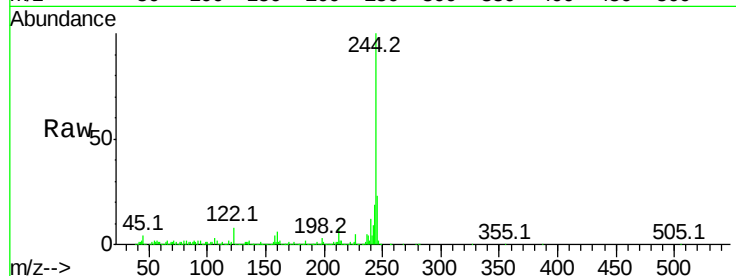
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1949703

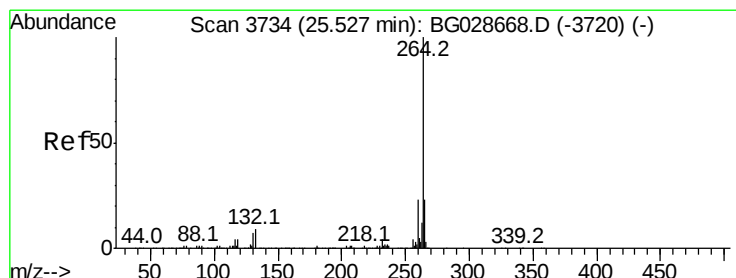
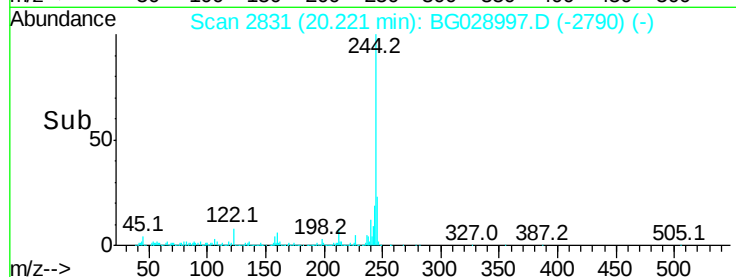
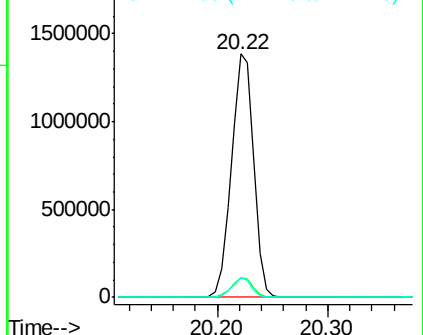
Ion	Ratio	Lower	Upper
244	100		
212	8.0	10.0	15.0#
122	8.2	8.6	12.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.49 min Scan# 3727

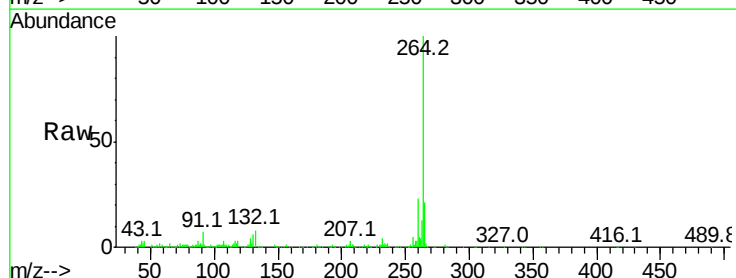
Delta R.T. -0.04 min

Lab File: BG028997.D

Acq: 1 Oct 2017 2:41

Tgt Ion:264 Resp: 378039

Ion	Ratio	Lower	Upper
264	100		
260	23.2	21.8	32.8
265	21.2	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

