

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022118\
 Data File : BG032773.D
 Acq On : 22 Feb 2018 1:00
 Operator : SJ/JU
 Sample : J1622-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MAD-SUB-TRENCH

Quant Time: Feb 22 06:18:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 21 15:45:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.95	152	72441	20.00	ng	0.00
21) Naphthalene-d8	11.83	136	309871	20.00	ng	0.00
38) Acenaphthene-d10	15.55	164	169671	20.00	ng	0.00
63) Phenanthrene-d10	18.28	188	397363	20.00	ng	0.00
75) Chrysene-d12	22.64	240	385233	20.00	ng	0.00
86) Perylene-d12	26.47	264	409977	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	6.36	112	569204	125.71	ng	0.02
7) Phenol-d6	8.04	99	669536	106.08	ng	0.01
23) Nitrobenzene-d5	10.14	82	473104	103.51	ng	0.00
41) 2,4,6-Tribromophenol	17.02	330	280268	157.10	ng	0.00
44) 2-Fluorobiphenyl	14.19	172	1063187	90.37	ng	0.00
78) Terphenyl-d14	20.80	244	1616891	94.30	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.65	88	9766	4.970	ng	# 1
4) n-Nitrosodimethylamine	4.36	42	206	0.095	ng	# 1
6) Aniline	8.45	93	1051	0.123	ng	# 1
8) 2-Chlorophenol	8.49	128	115	0.023	ng	# 1
9) Benzaldehyde	8.03	77	1237	0.340	ng	# 30
10) Phenol	8.46	94	1444	0.227	ng	# 1
11) bis(2-Chloroethyl)ether	8.45	93	1051	0.202	ng	# 1
12) 1,3-Dichlorobenzene	9.29	146	58	0.010	ng	# 1
13) 1,4-Dichlorobenzene	9.29	146	58	0.010	ng	# 1
14) 1,2-Dichlorobenzene	9.29	146	58	0.010	ng	# 1
15) Benzyl Alcohol	9.17	79	314	0.068	ng	# 18
16) 2,2'-oxybis(1-Chloropropan	9.49	45	78	0.009	ng	# 75
17) 2-Methylphenol	9.17	107	136	0.029	ng	# 43
18) Hexachloroethane	10.08	117	60	0.030	ng	# 1
19) n-Nitroso-di-n-propylamine	10.14	70	61768	13.863	ng	# 82
22) Acetophenone	9.78	105	998	0.128	ng	# 55
24) Nitrobenzene	10.14	77	1554	6.653	ng	# 38
25) Isophorone	10.44	82	112	0.010	ng	# 69
27) 2,4-Dimethylphenol	10.97	122	66	0.014	ng	# 1
31) Naphthalene	11.88	128	30685	1.895	ng	# 98
32) Benzoic acid	10.97	122	66	5.842	ng	# 1
33) 4-Chloroaniline	11.88	127	4328	0.598	ng	# 38
37) 2-Methylnaphthalene	13.64	142	3277	0.280	ng	# 96
45) 1,1'-Biphenyl	14.40	154	3221	0.217	ng	# 85
47) 2-Nitroaniline	14.62	65	70	9.856	ng	# 9
48) Acenaphthylene	15.28	152	502	0.028	ng	# 55
50) 2,6-Dinitrotoluene	15.55	165	22589	16.615	ng	# 20
51) Acenaphthene	15.62	154	1782	0.158	ng	# 92
54) Dibenzofuran	15.94	168	3093	0.192	ng	# 95
55) 4-Nitrophenol	15.95	139	1224	7.553	ng	# 1
56) 2,4-Dinitrotoluene	15.55	165	22589	14.814	ng	# 18
57) Fluorene	16.58	166	2266	0.171	ng	# 91
59) Diethylphthalate	16.31	149	1320	0.087	ng	# 88
62) Azobenzene	16.88	77	178	0.013	ng	# 35

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 Misc :
 ALS Vial : 18 Sample Multiplier: 1

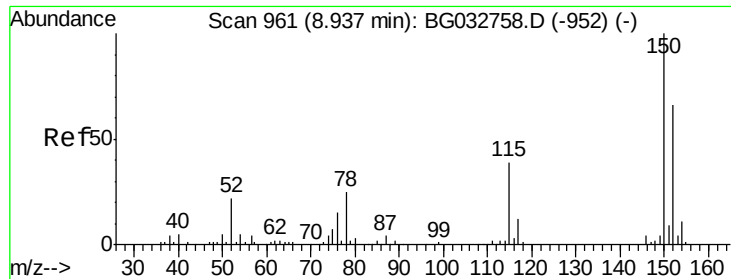
Instrument :
 BNA_G
 ClientSampleId :
 MAD-SUB-TRENCH

Quant Time: Feb 22 06:18:27 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	

64) 4,6-Dinitro-2-methylphenol	17.02	198	413	5.391	nq	#	1
65) n-Nitrosodiphenylamine	17.02	169	11385	0.881	nq	#	51
66) 4-Bromophenyl-phenylether	17.02	248	20033	4.768	nq	#	1
70) Phenanthrene	18.32	178	7706	0.348	nq		99
71) Anthracene	18.32	178	7706	0.346	nq		98
72) Carbazole	18.67	167	446	0.020	nq	#	59
73) Di-n-butylphthalate	19.18	149	1251	0.046	nq	#	78
74) Fluoranthene	20.62	202	663	0.027	nq		65
76) Benzidine	20.80	184	27836	2.120	nq	#	92
77) Pvrene	20.62	202	663	0.024	nq	#	57
79) Butylbenzylphthalate	21.49	149	422	0.035	nq	#	20
80) Benzo(a)anthracene	22.64	228	986	0.040	nq	#	39
82) Chrysene	22.64	228	986	0.042	nq	#	36
83) Bis(2-ethylhexyl)phthalate	22.47	149	1128	0.063	nq	#	83
84) Di-n-octyl phthalate	23.94	149	252	0.009	nq	#	1
89) Benzo(a)pyrene	26.49	252	1527	0.066	nq	#	59

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

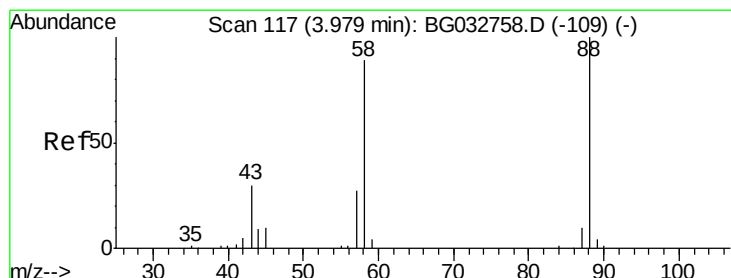
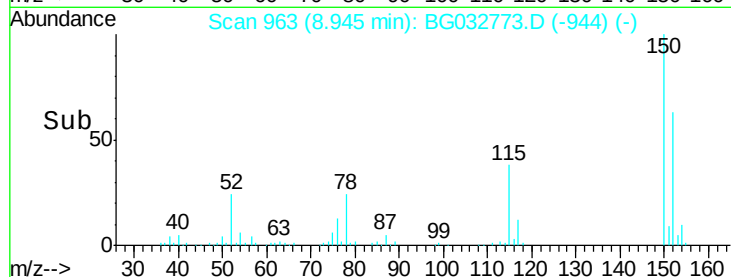
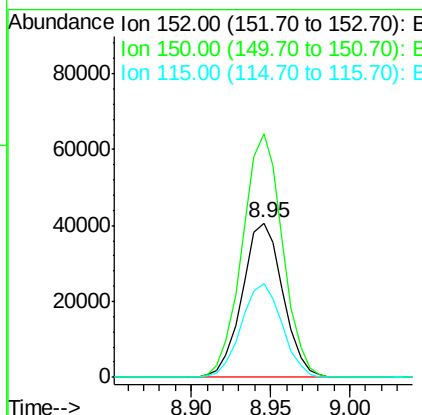
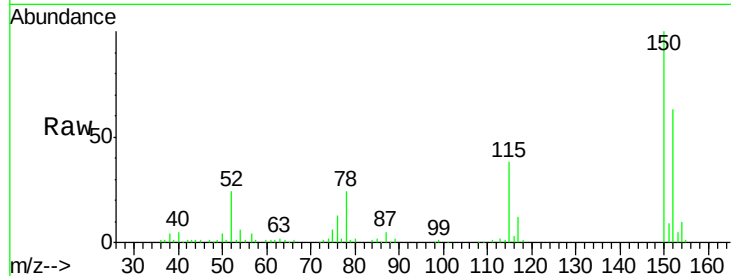


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.95 min Scan# 963
Delta R.T. 0.01 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

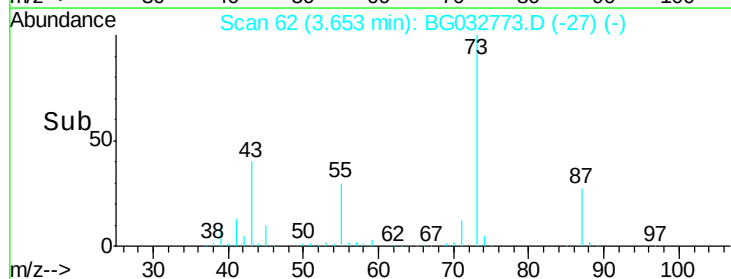
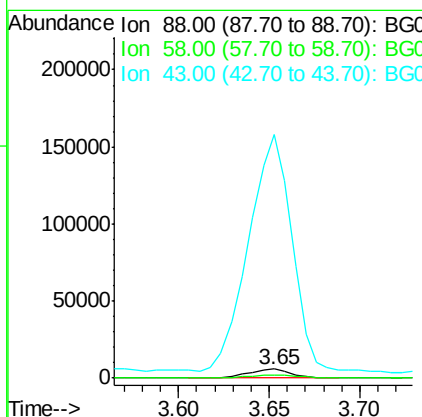
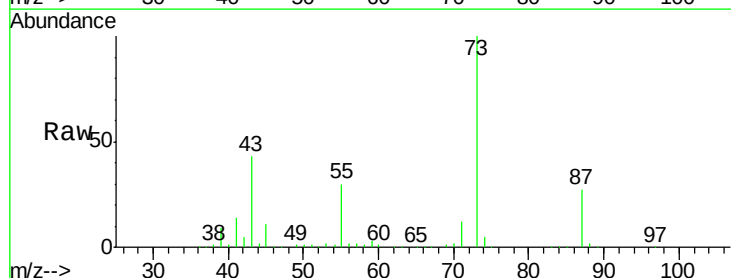
Tot Ion:152 Resp: 72441
Ion Ratio Lower Upper
152 100
150 158.1 126.6 189.8
115 60.6 53.0 79.4

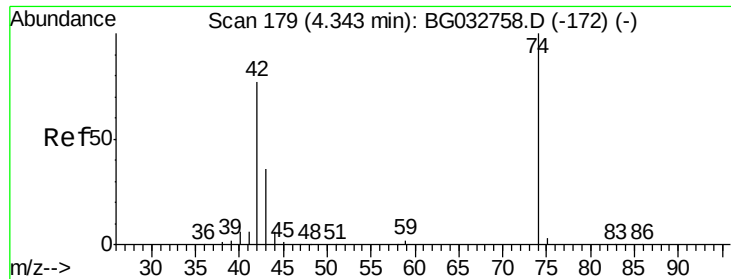


#2

1,4-Dioxane
Concen: 4.970 ng
RT: 3.65 min Scan# 62
Delta R.T. -0.33 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion: 88 Resp: 9766
Ion Ratio Lower Upper
88 100
58 33.7 79.6 119.4#
43 2677.5 27.4 41.0#



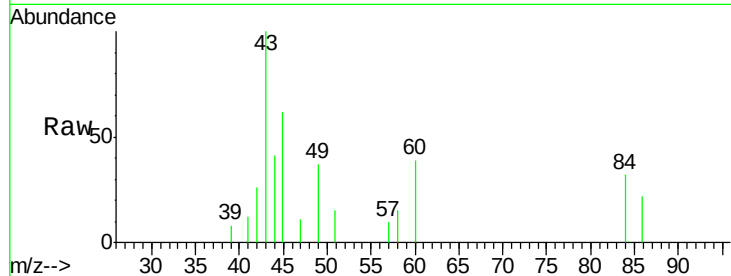


#4

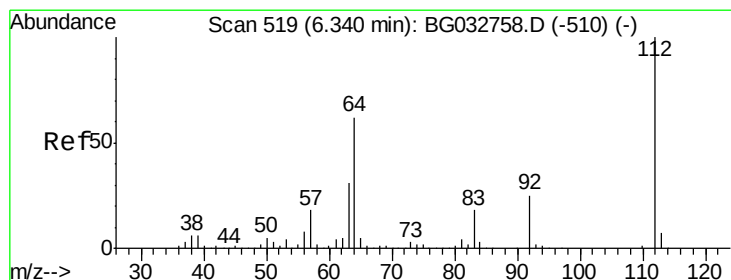
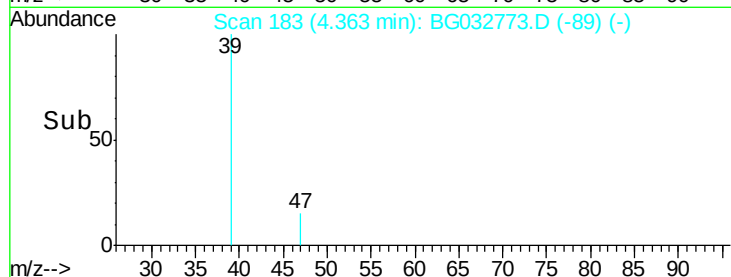
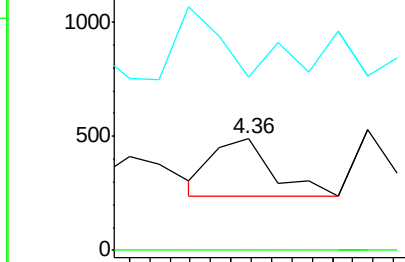
n-Nitrosodimethylamine
 Concen: 0.095 ng
 RT: 4.36 min Scan# 183
 Delta R.T. 0.02 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

Instrument :
 BNA_G
 ClientSampleId :
 MAD-SUB-TRENCH

Tot Ion: 42 Resp: 206
 Ion Ratio Lower Upper
 42 100
 74 0.0 102.5 153.7#
 44 155.2 18.9 28.3#



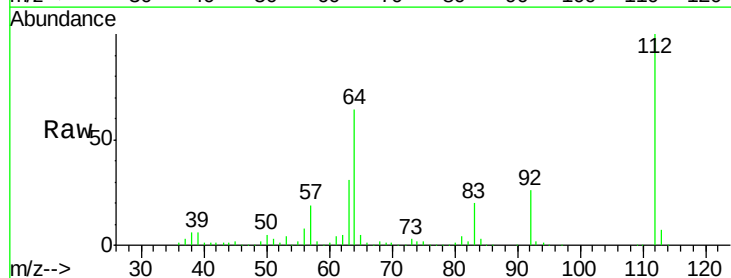
Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC



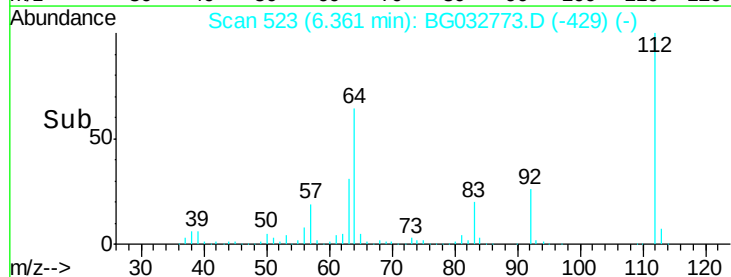
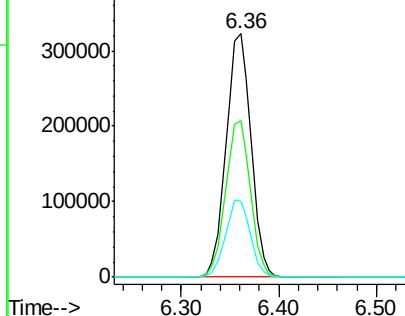
#5

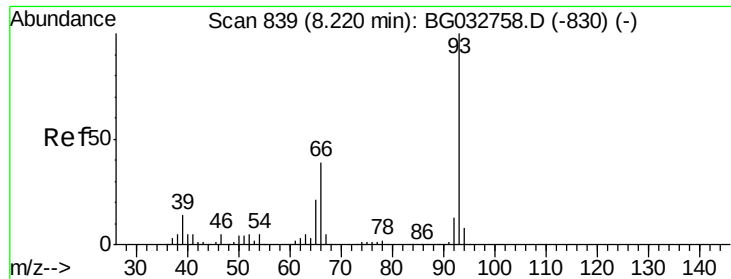
2-Fluorophenol
 Concen: 125.708 ng
 RT: 6.36 min Scan# 523
 Delta R.T. 0.02 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

Tgt Ion: 112 Resp: 569204
 Ion Ratio Lower Upper
 112 100
 64 64.3 56.3 84.5
 63 31.2 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): BGC
 Ion 64.00 (63.70 to 64.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.123 ng

RT: 8.45 min Scan# 879

Delta R.T. 0.23 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

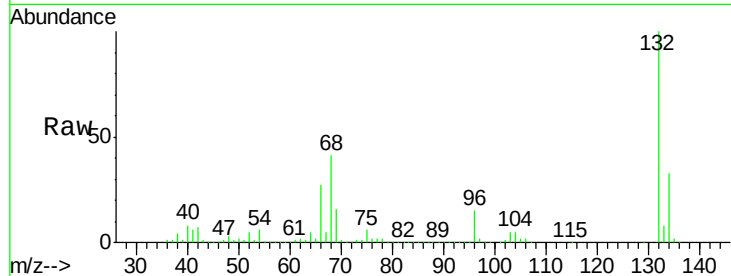
Tot Ion: 93 Resp: 1051

Ion Ratio Lower Upper

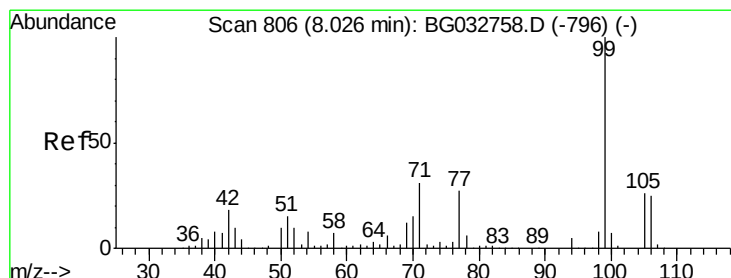
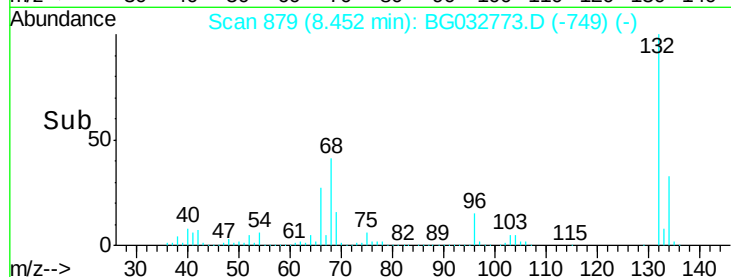
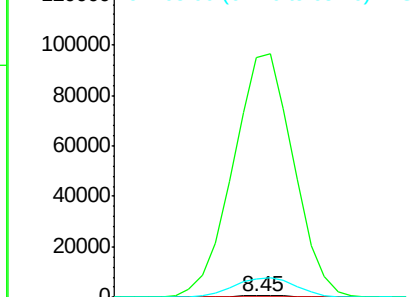
93 100

66 15030.1 33.7 50.5#

65 1158.8 16.1 24.1#



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: 106.084 ng

RT: 8.04 min Scan# 809

Delta R.T. 0.01 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

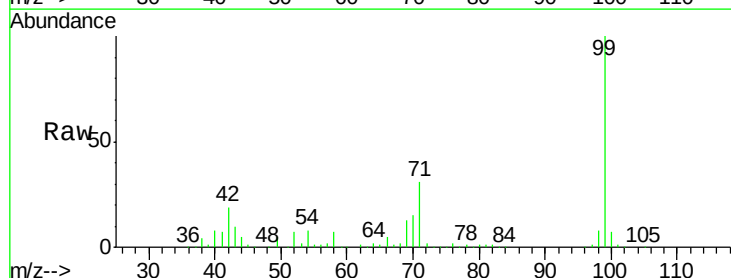
Tgt Ion: 99 Resp: 669536

Ion Ratio Lower Upper

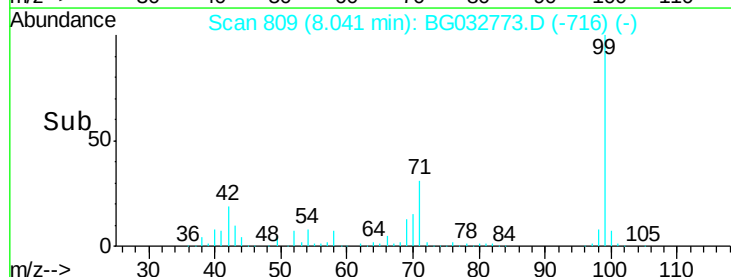
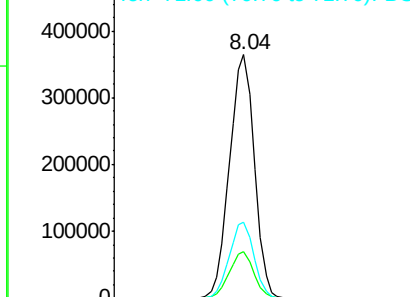
99 100

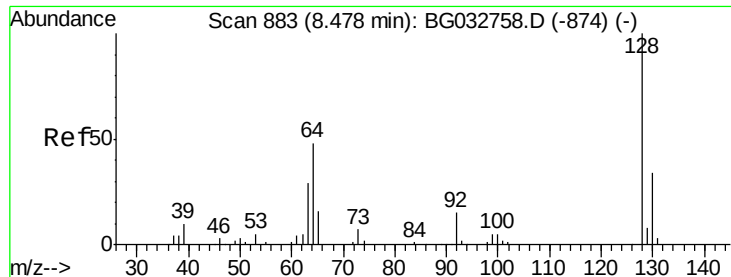
42 19.1 14.1 21.1

71 31.3 26.1 39.1



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





#8

2-Chlorophenol

Concen: 0.023 ng

RT: 8.49 min Scan# 885

Delta R.T. 0.01 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

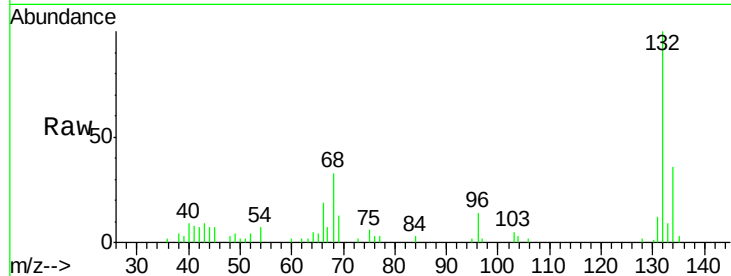
Tot Ion:128 Resp: 115

Ion Ratio Lower Upper

128 100

130 89.5 14.0 54.0#

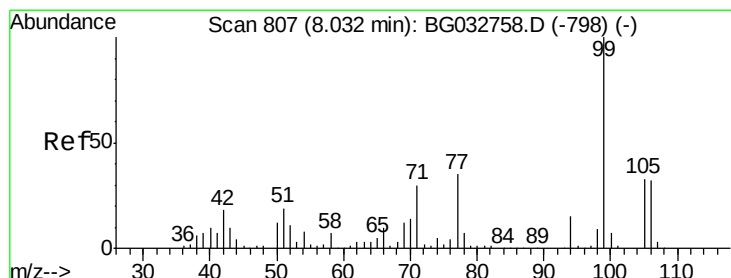
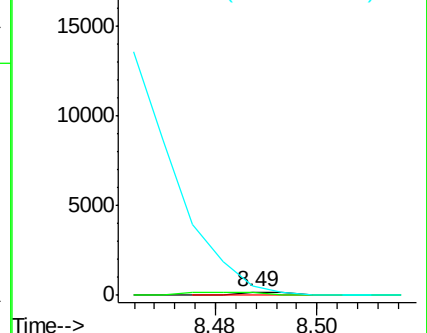
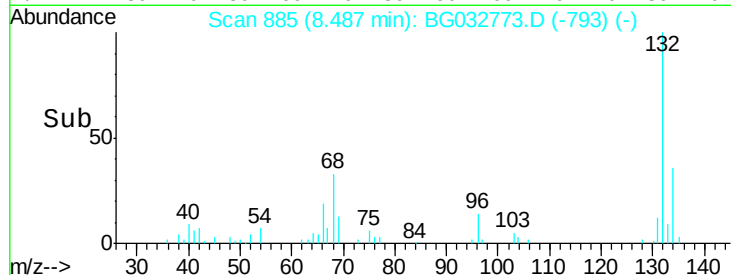
64 314.6 37.7 77.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): B



#9

Benzaldehyde

Concen: 0.340 ng

RT: 8.03 min Scan# 808

Delta R.T. 0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

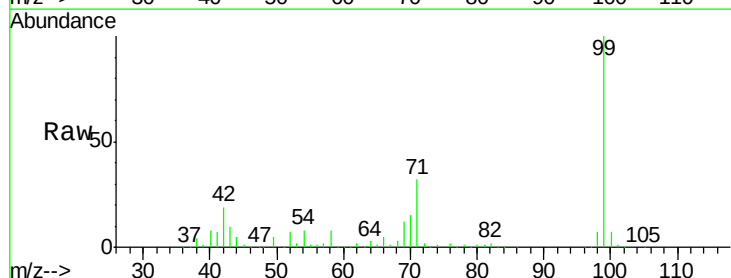
Tgt Ion: 77 Resp: 1237

Ion Ratio Lower Upper

77 100

105 44.3 71.3 111.3#

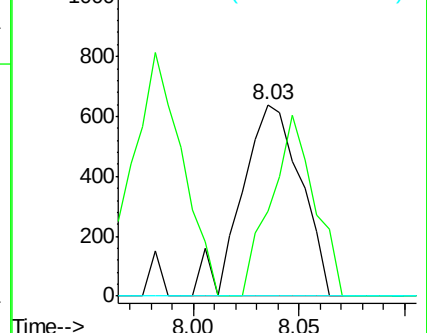
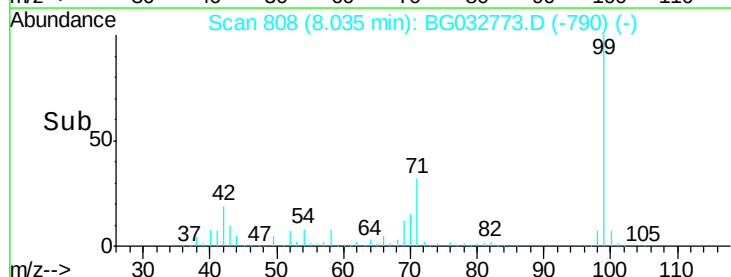
106 0.0 64.2 104.2#

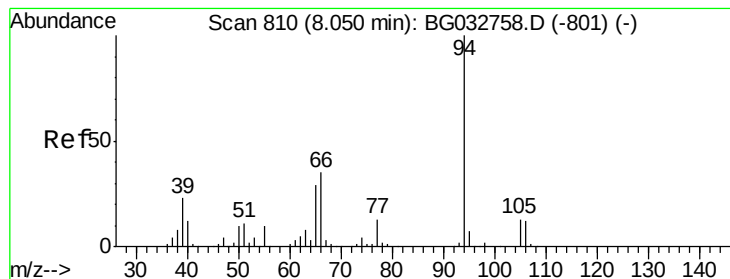


Abundance Ion 77.00 (76.70 to 77.70): B

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.227 ng

RT: 8.46 min Scan# 881

Delta R.T. 0.41 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

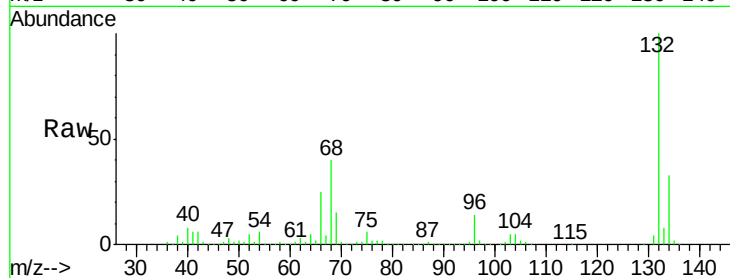
Tot Ion: 94 Resp: 1444

Ion Ratio Lower Upper

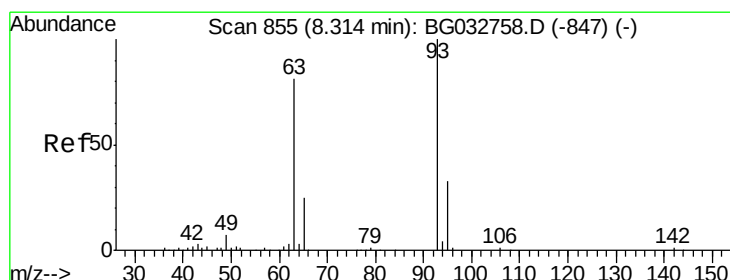
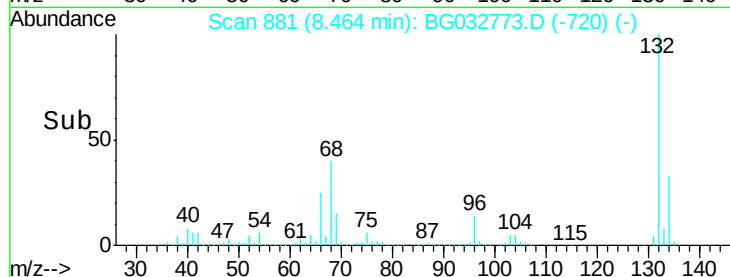
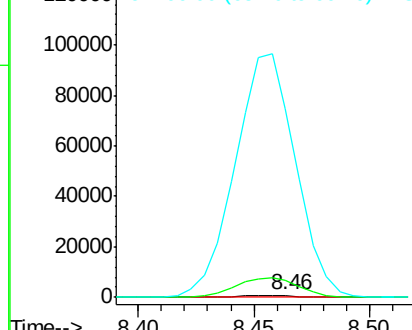
94 100

65 785.8 11.9 51.9#

66 8680.7 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#11

bis(2-Chloroethyl)ether

Concen: 0.202 ng

RT: 8.45 min Scan# 879

Delta R.T. 0.14 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

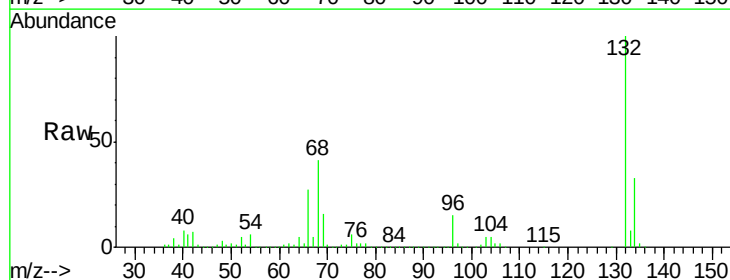
Tgt Ion: 93 Resp: 1051

Ion Ratio Lower Upper

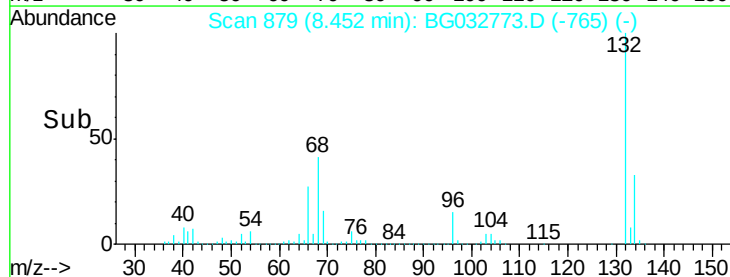
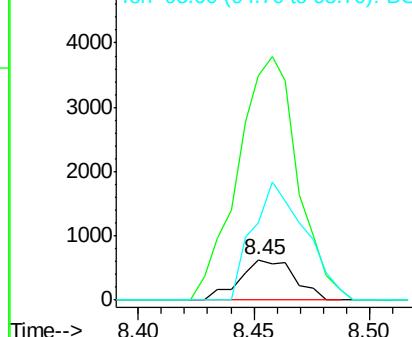
93 100

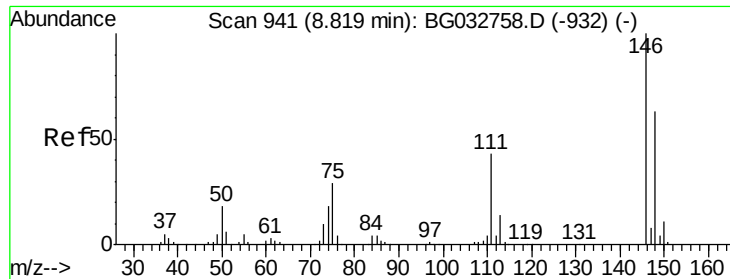
63 552.3 67.1 107.1#

95 189.9 11.5 51.5#



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





#12

1,3-Dichlorobenzene

Concen: 0.010 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.47 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

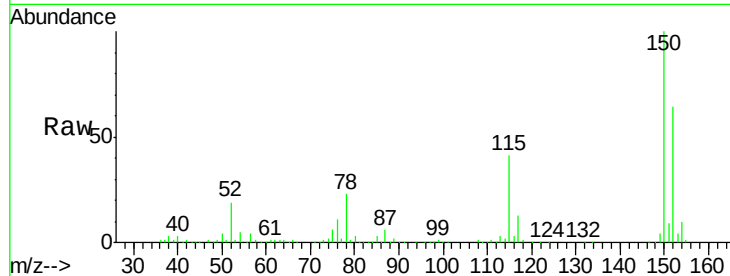
Tot Ion:146 Resp: 58

Ion Ratio Lower Upper

146 100

148 426.8 51.4 77.2#

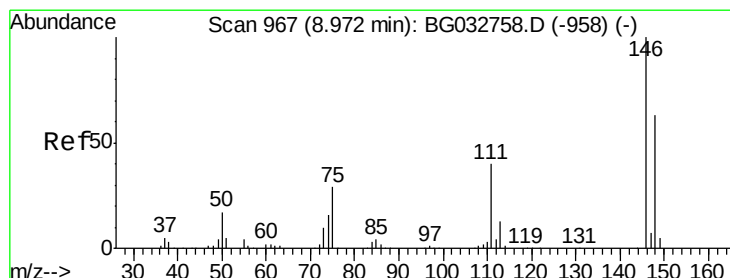
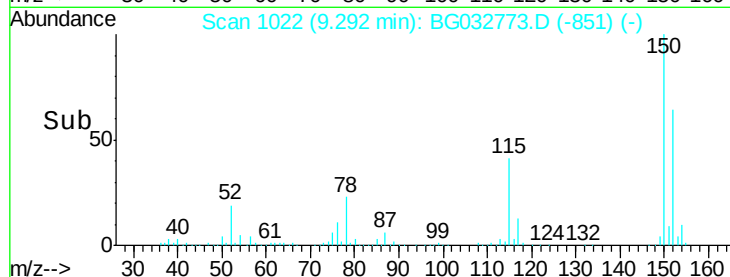
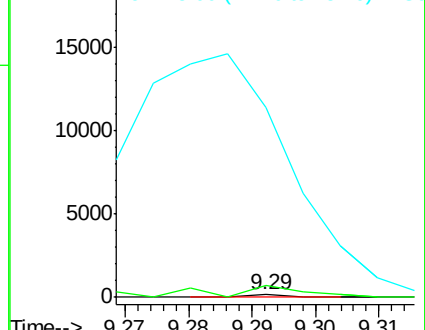
75 6923.2 26.6 39.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BGC



#13

1,4-Dichlorobenzene

Concen: 0.010 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.32 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

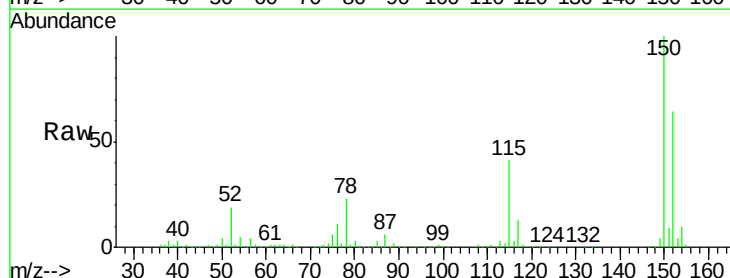
Tgt Ion:146 Resp: 58

Ion Ratio Lower Upper

146 100

148 426.8 53.7 80.5#

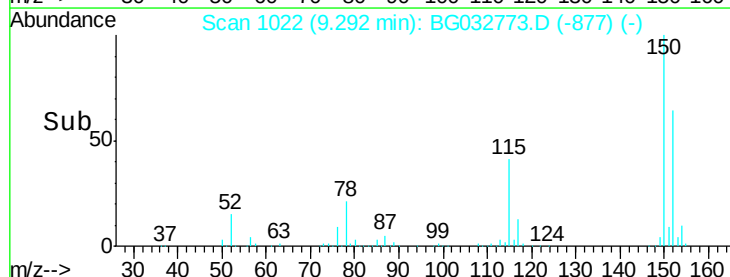
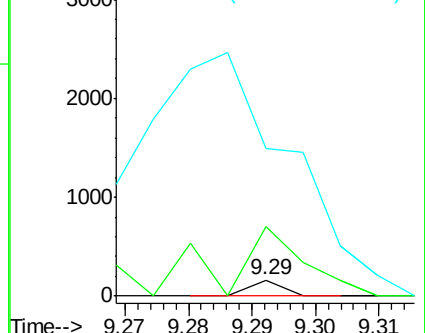
111 912.8 35.2 52.8#

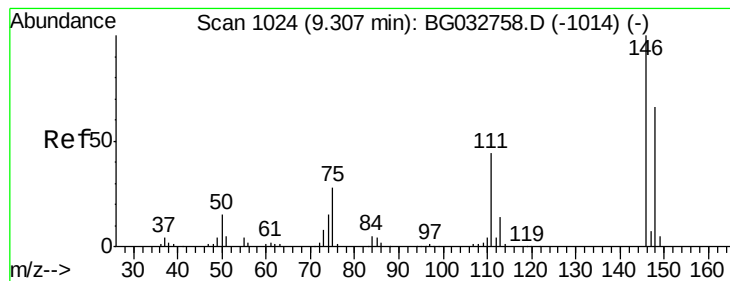


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

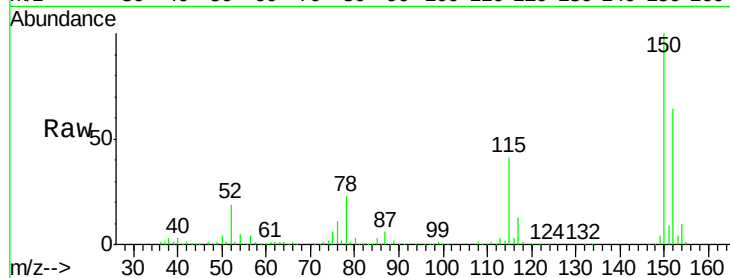




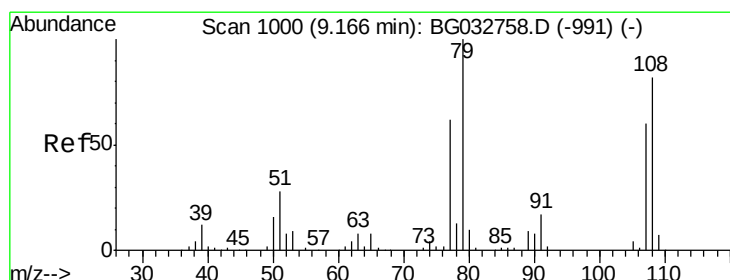
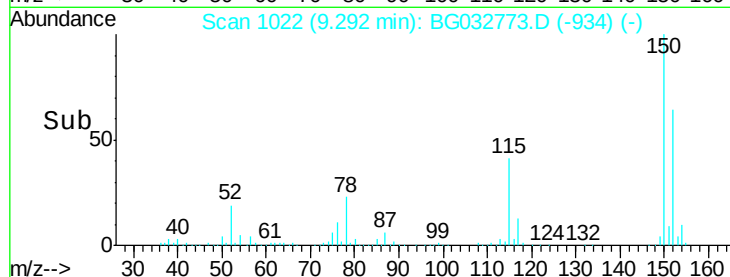
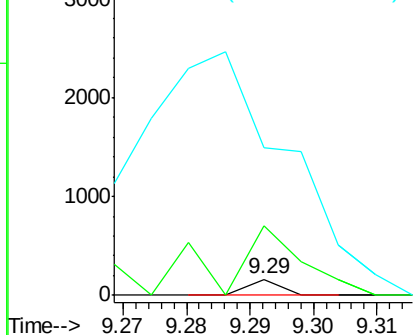
#14
 1,2-Dichlorobenzene
 Concen: 0.010 ng
 RT: 9.29 min Scan# 1022
 Delta R.T. -0.01 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

Instrument :
 BNA_G
 ClientSampleId :
 MAD-SUB-TRENCH

Tot Ion:146 Resp: 58
 Ion Ratio Lower Upper
 146 100
 148 426.8 49.3 73.9#
 111 912.8 34.3 51.5#

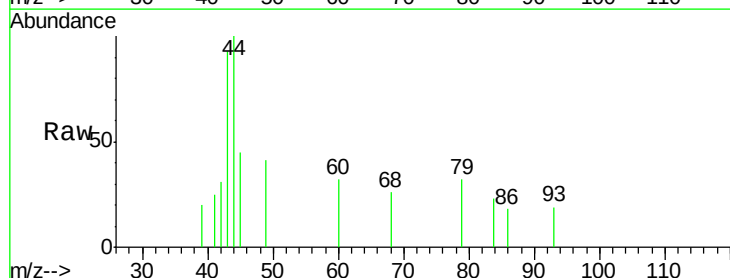


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

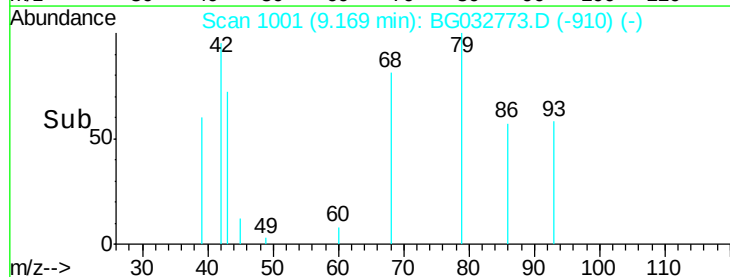
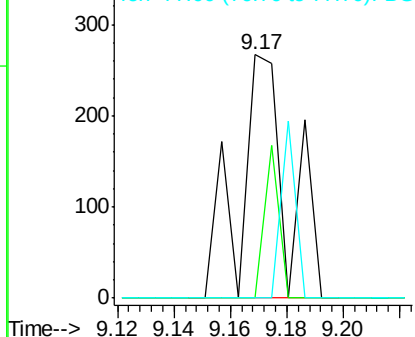


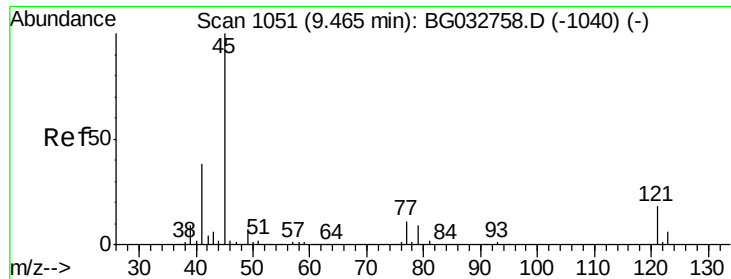
#15
 Benzyl Alcohol
 Concen: 0.068 ng
 RT: 9.17 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

Tgt Ion: 79 Resp: 314
 Ion Ratio Lower Upper
 79 100
 108 0.0 57.2 85.8#
 77 0.0 46.1 69.1#



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

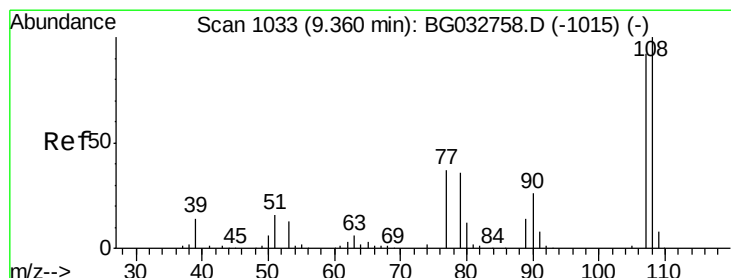
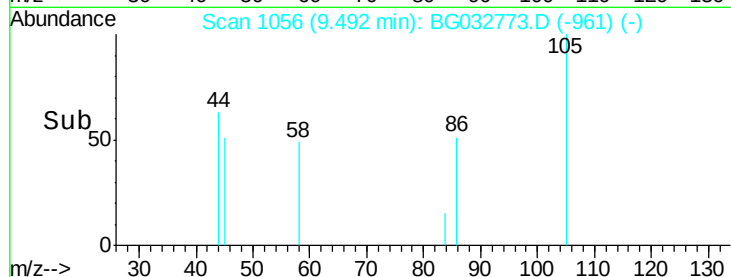
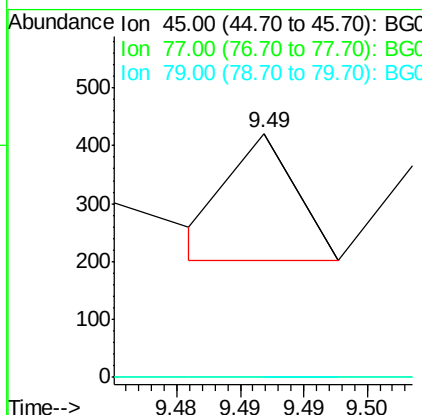
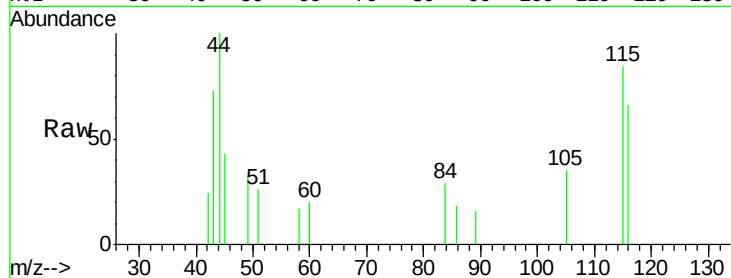




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.009 ng
RT: 9.49 min Scan# 1056
Delta R.T. 0.03 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

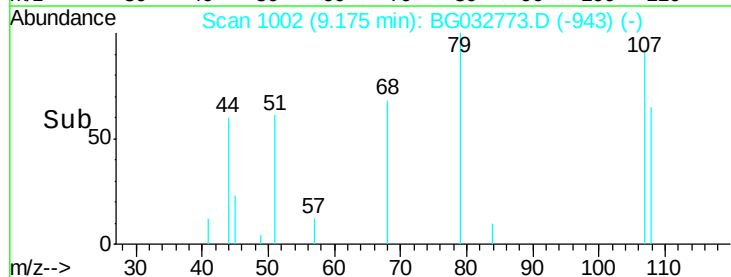
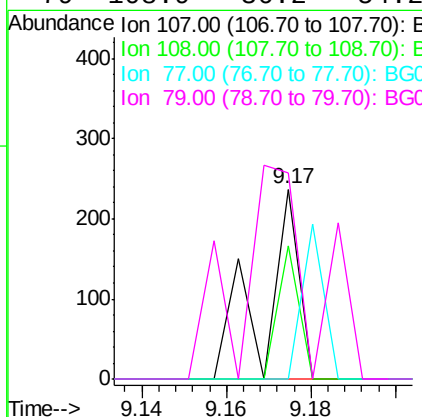
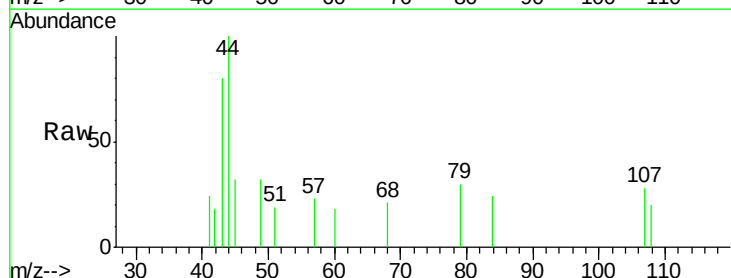
Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

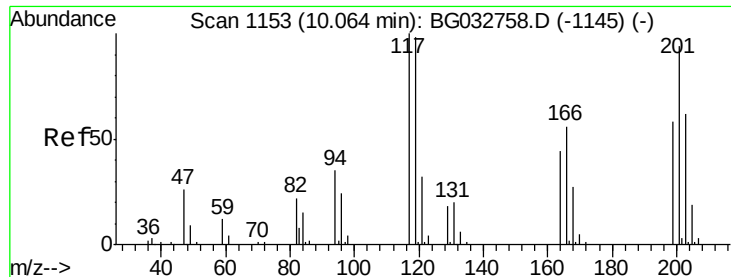
Tot Ion: 45 Resp: 78
Ion Ratio Lower Upper
45 100
77 0.0 0.0 30.2
79 0.0 0.0 27.9



#17
2-Methylphenol
Concen: 0.029 ng
RT: 9.17 min Scan# 1002
Delta R.T. -0.18 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion: 107 Resp: 136
Ion Ratio Lower Upper
107 100
108 70.5 83.9 125.9#
77 0.0 37.2 55.8#
79 108.9 36.2 54.2#





#18

Hexachloroethane

Concen: 0.030 ng

RT: 10.08 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

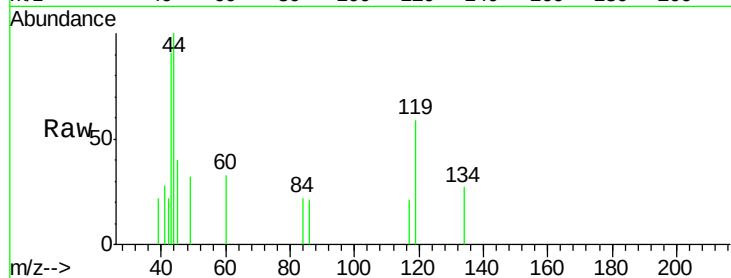
Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

117 100

119 276.9 76.7 115.1#

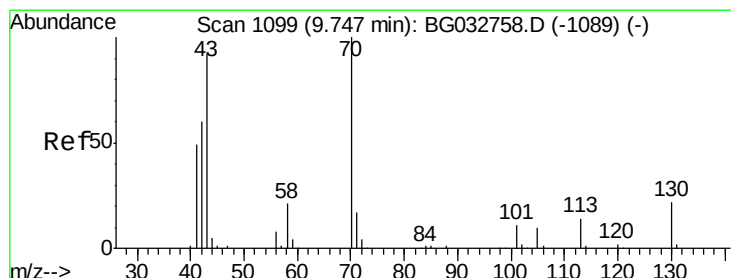
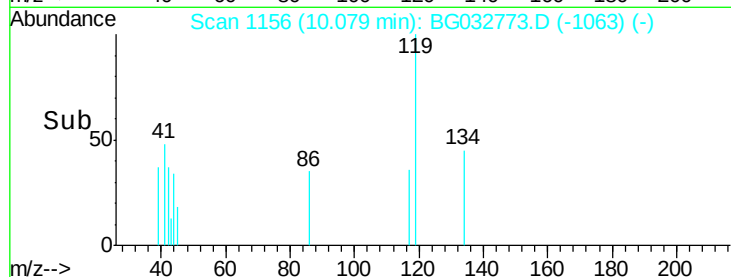
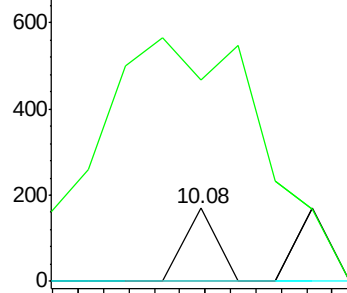
201 0.0 95.7 143.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 13.863 ng

RT: 10.14 min Scan# 1167

Delta R.T. 0.40 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Tgt Ion: 70 Resp: 61768

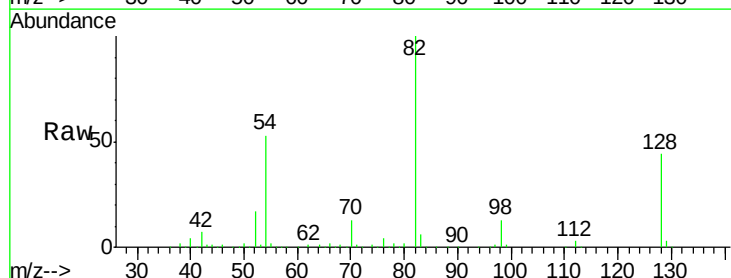
Ion Ratio Lower Upper

70 100

42 52.1 49.1 73.7

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

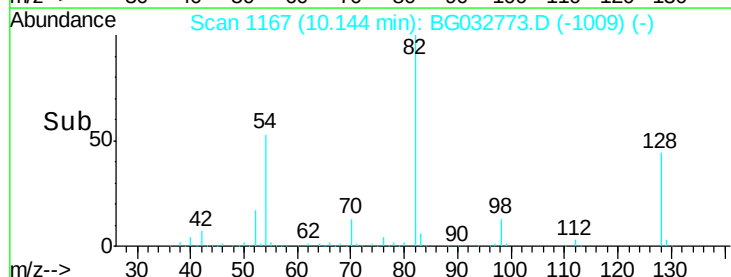
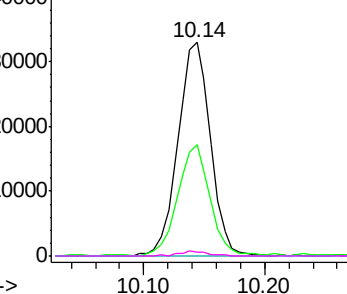


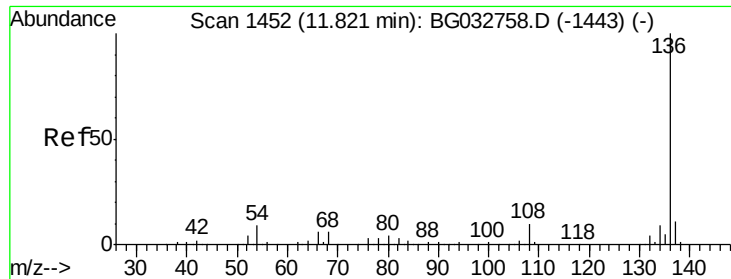
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

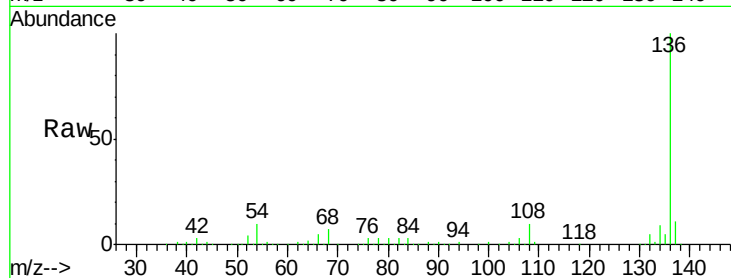




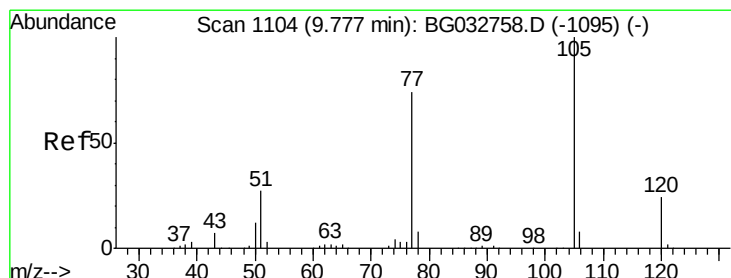
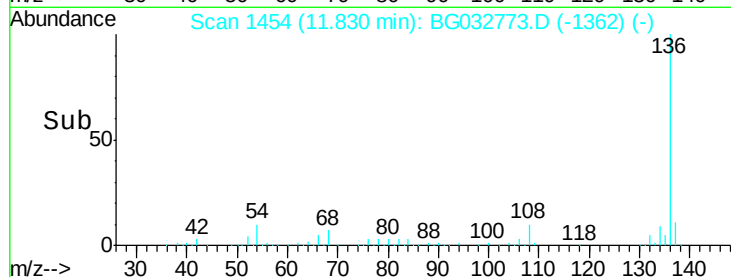
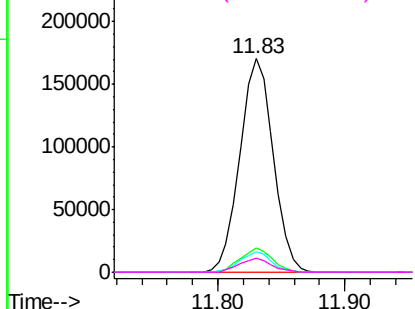
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.83 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

Tot Ion:136	Resp:	309871
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.2 13.8
54	9.6	10.3 15.5#
68	6.7	4.5 6.7

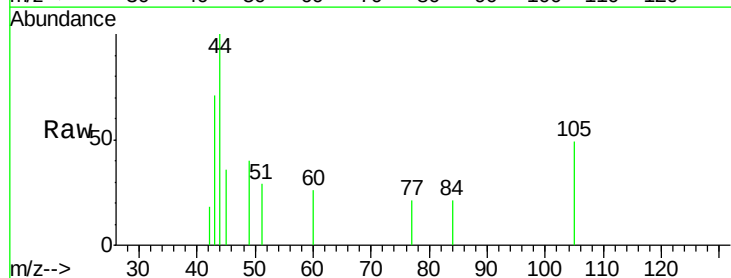


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

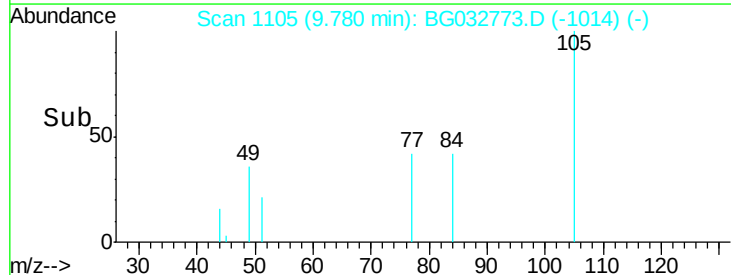
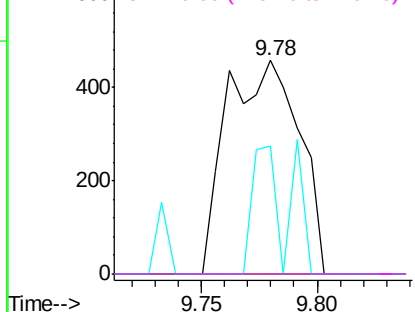


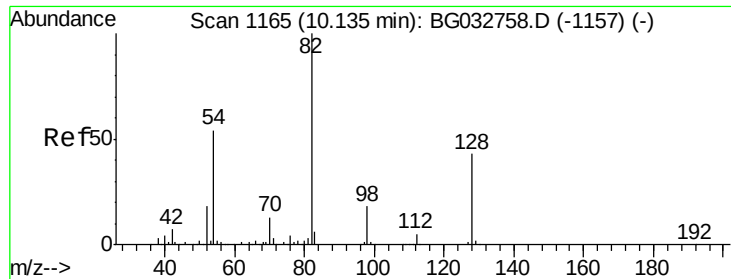
#22
Acetophenone
Concen: 0.128 ng
RT: 9.78 min Scan# 1105
Delta R.T. 0.00 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion:105	Resp:	998
Ion Ratio	Lower	Upper
105	100	
71	0.0	3.0 4.4#
51	59.8	26.1 39.1#
120	0.0	17.4 26.2#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BG
Ion 51.00 (50.70 to 51.70): BG
Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 103.508 ng

RT: 10.14 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

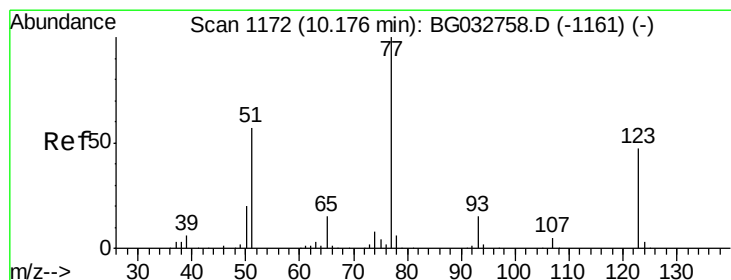
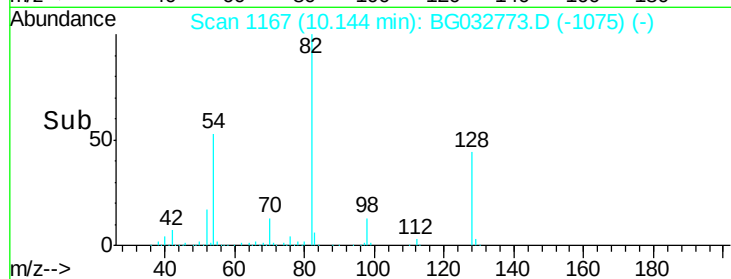
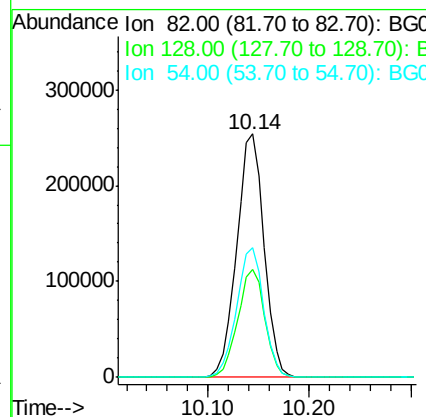
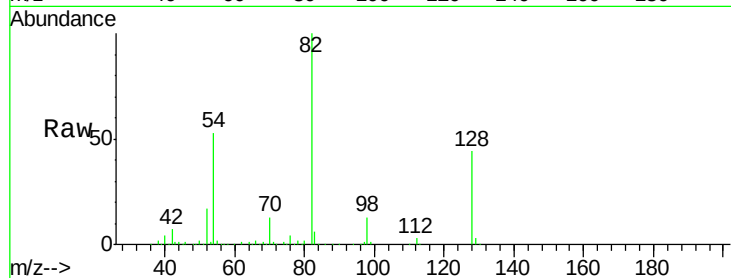
Tot Ion: 82 Resp: 473104

Ion Ratio Lower Upper

82 100

128 44.1 29.7 44.5

54 53.0 43.1 64.7



#24

Nitrobenzene

Concen: 6.653 ng

RT: 10.14 min Scan# 1166

Delta R.T. -0.04 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

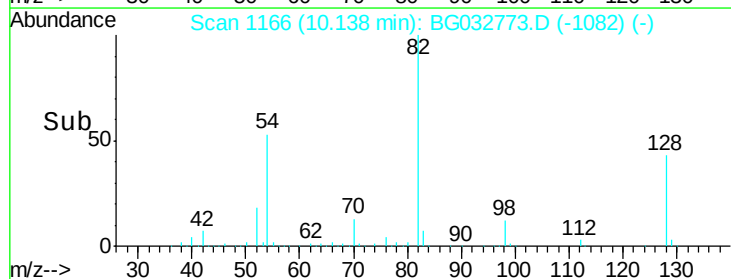
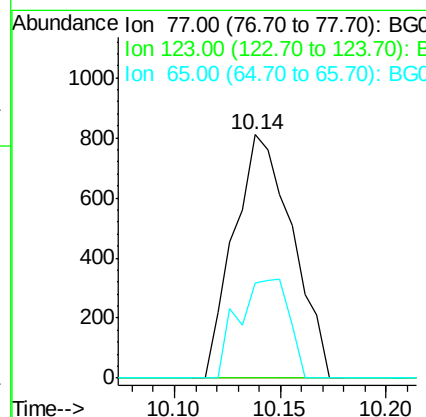
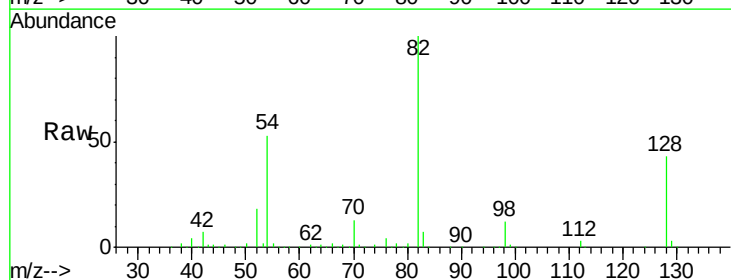
Tgt Ion: 77 Resp: 1554

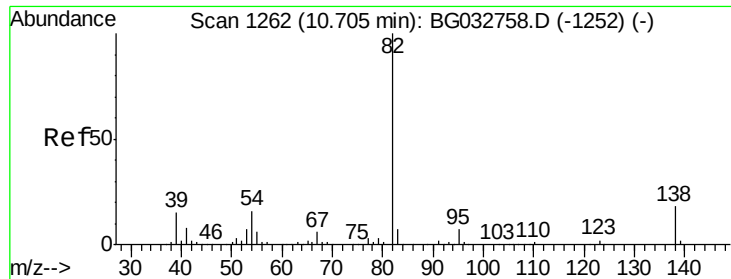
Ion Ratio Lower Upper

77 100

123 0.0 33.0 49.6#

65 39.1 13.0 19.6#





#25

Isophorone

Concen: 0.010 ng

RT: 10.44 min Scan# 1217

Delta R.T. -0.27 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

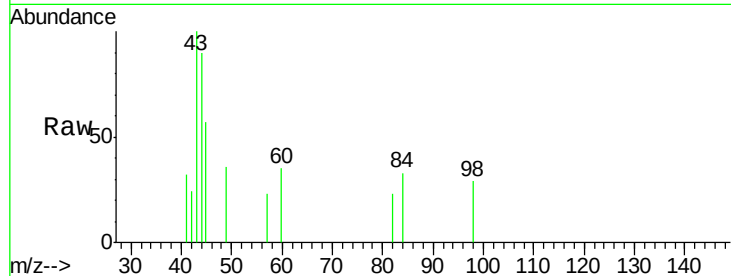
Tot Ion: 82 Resp: 112

Ion Ratio Lower Upper

82 100

95 0.0 6.2 9.2#

138 0.0 12.1 18.1#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

10.44

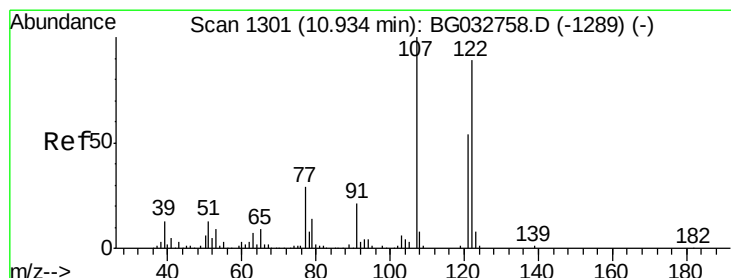
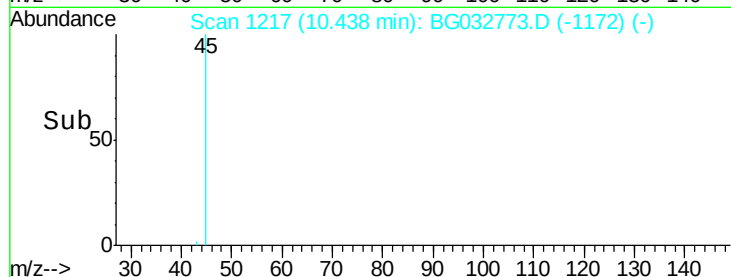
150

100

50

0

Time-->



#27

2,4-Dimethylphenol

Concen: 0.014 ng

RT: 10.97 min Scan# 1307

Delta R.T. 0.03 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

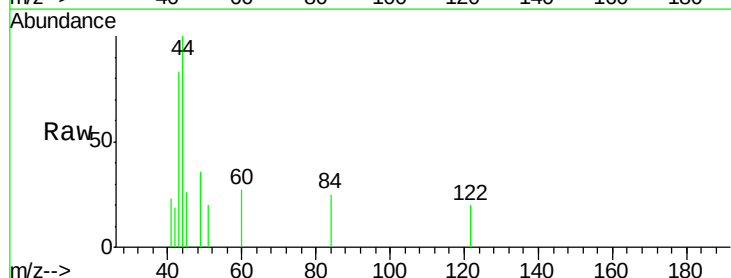
Tgt Ion: 122 Resp: 66

Ion Ratio Lower Upper

122 100

107 0.0 100.2 150.2#

121 0.0 44.4 66.6#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 107.00 (106.70 to 107.70): BGC
Ion 121.00 (120.70 to 121.70): BGC

10.97

250

200

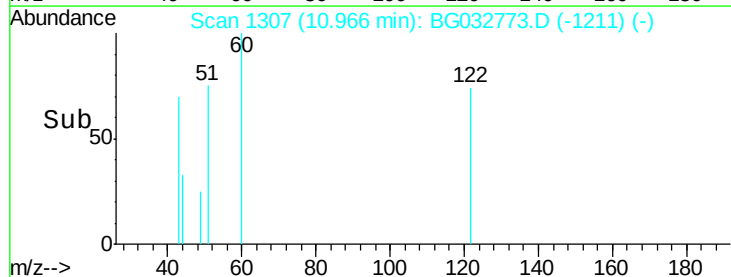
150

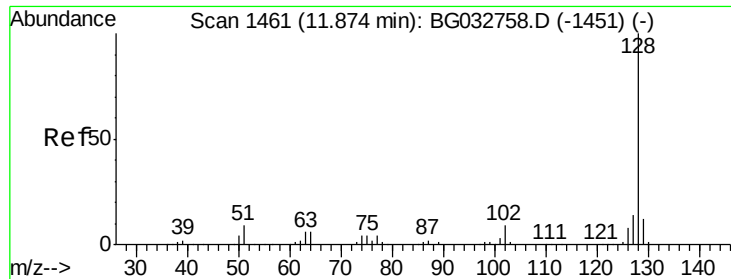
100

50

0

Time-->

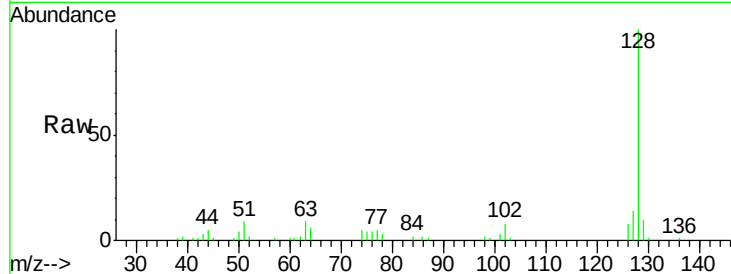




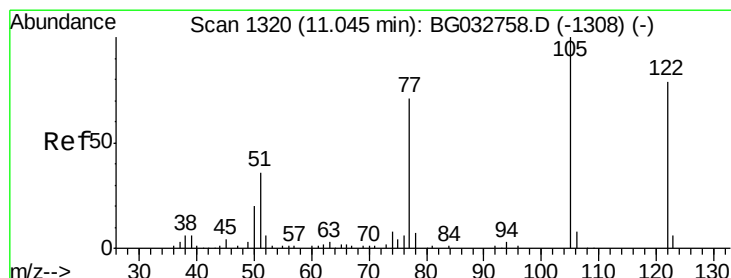
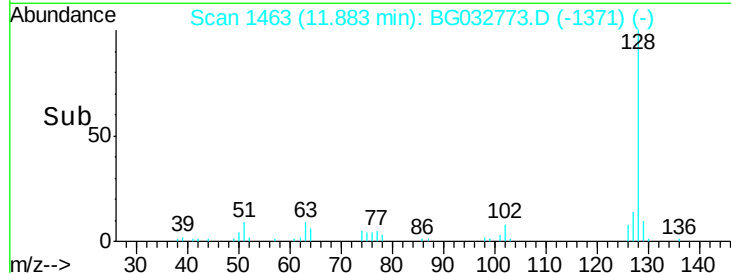
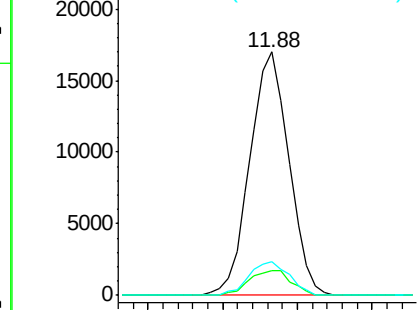
#31
Naphthalene
Concen: 1.895 ng
RT: 11.88 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

Tot Ion:128 Resp: 30685
Ion Ratio Lower Upper
128 100
129 10.0 8.6 12.8
127 13.7 11.6 17.4

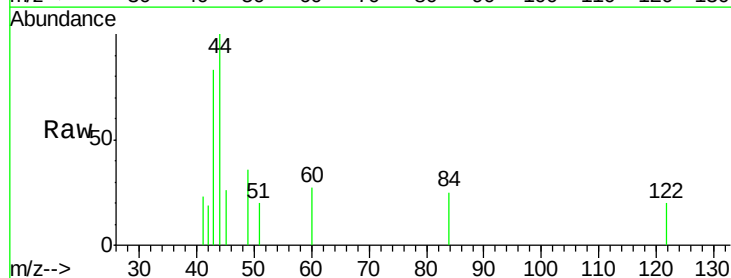


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

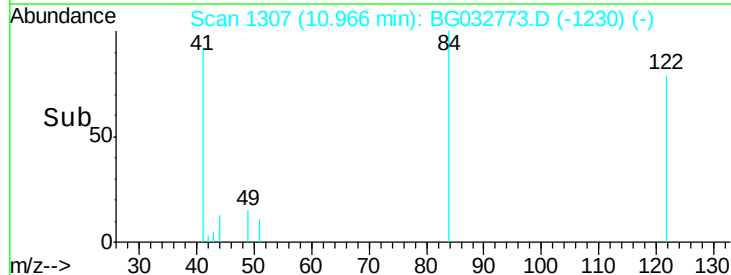
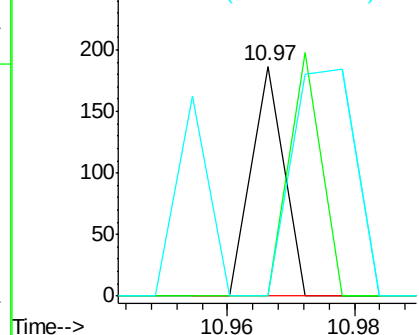


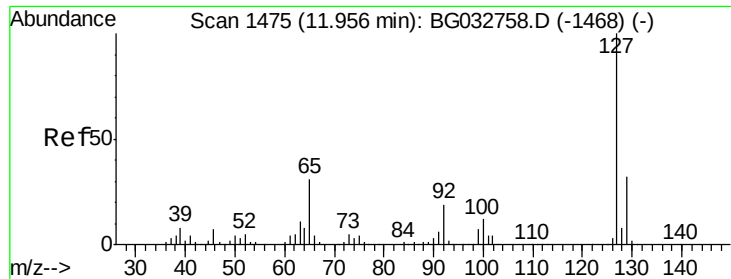
#32
Benzoic acid
Concen: 5.842 ng
RT: 10.97 min Scan# 1307
Delta R.T. -0.08 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 0.0 123.5 163.5#
77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGO

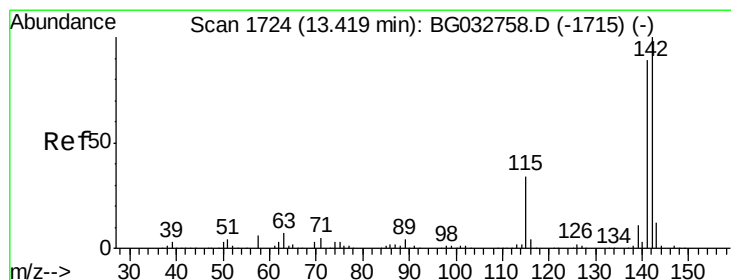
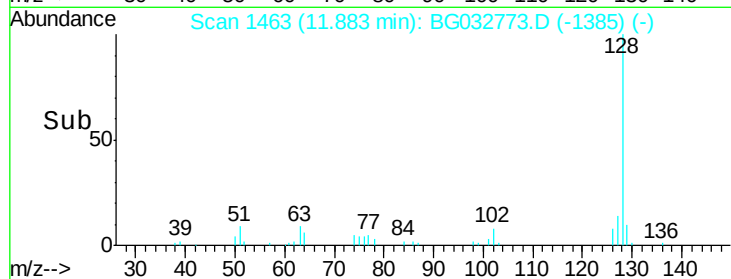
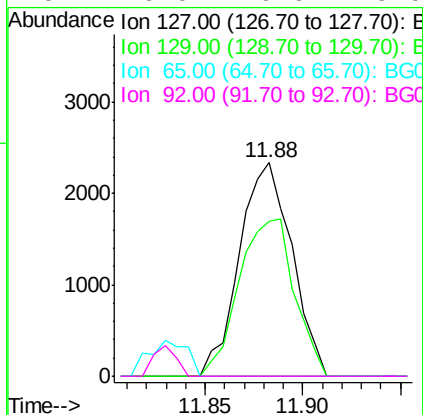
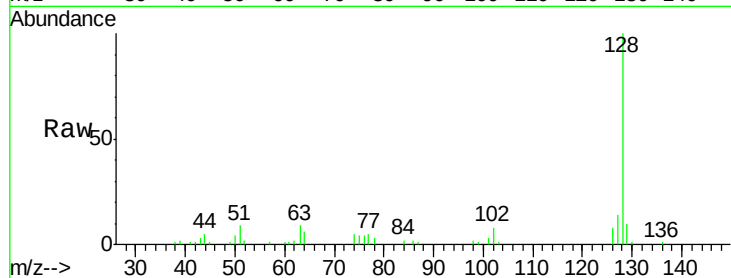




#33
4-Chloroaniline
Concen: 0.598 ng
RT: 11.88 min Scan# 1463
Delta R.T. -0.07 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

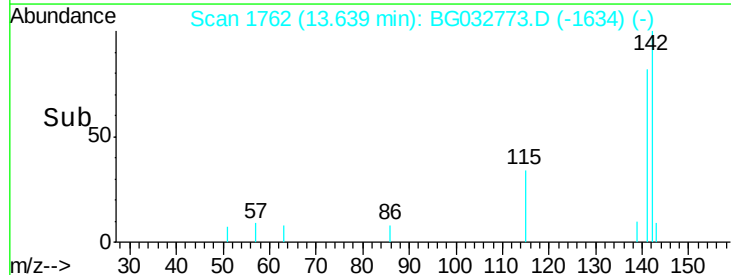
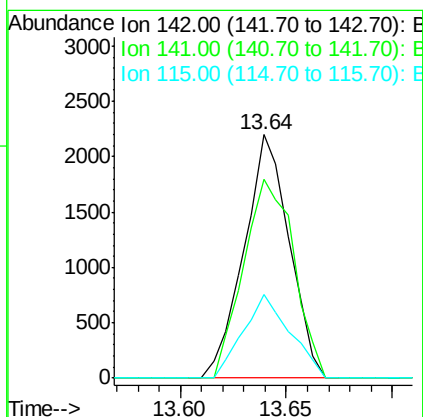
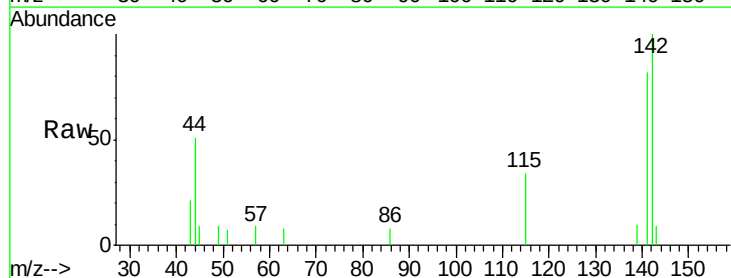
Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

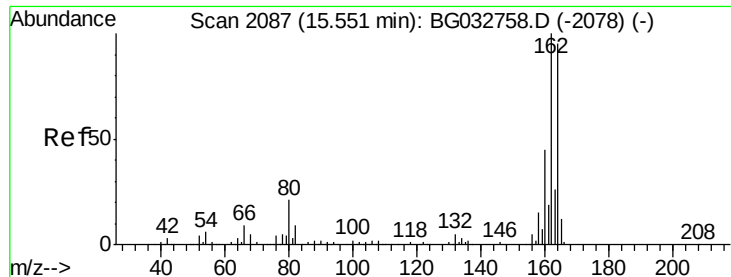
Tot Ion:127 Resp: 4328
Ion Ratio Lower Upper
127 100
129 72.6 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#



#37
2-Methylnaphthalene
Concen: 0.280 ng
RT: 13.64 min Scan# 1762
Delta R.T. 0.22 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion:142 Resp: 3277
Ion Ratio Lower Upper
142 100
141 81.7 67.1 100.7
115 34.2 30.7 46.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.55 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

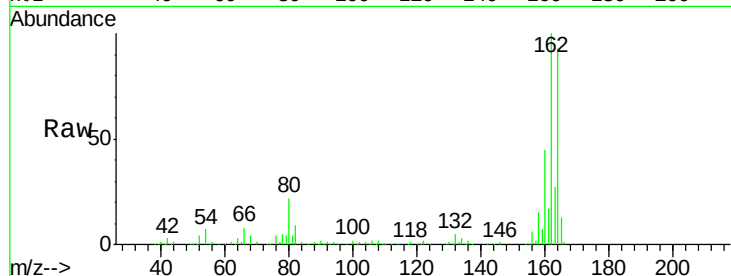
Tot Ion:164 Resp: 169671

Ion Ratio Lower Upper

164 100

162 107.0 78.8 118.2

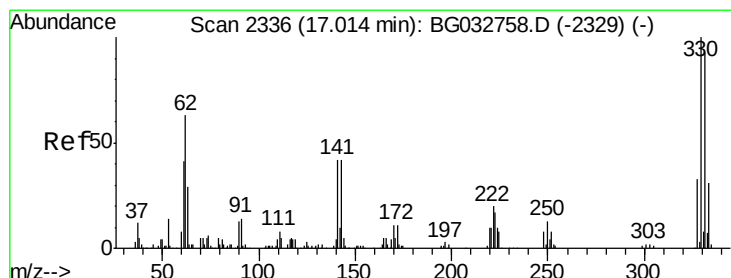
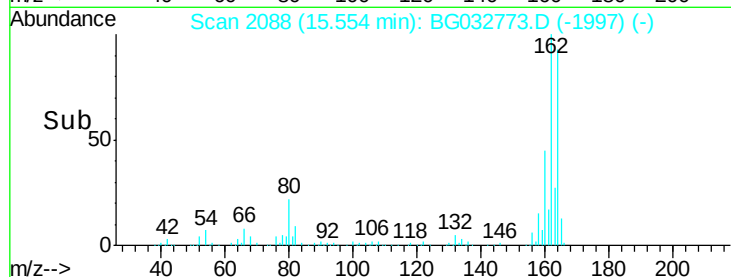
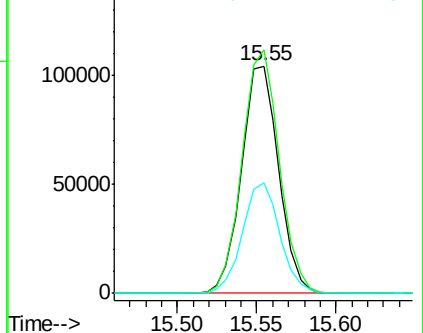
160 48.3 35.4 53.0



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: 157.098 ng

RT: 17.02 min Scan# 2338

Delta R.T. 0.01 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

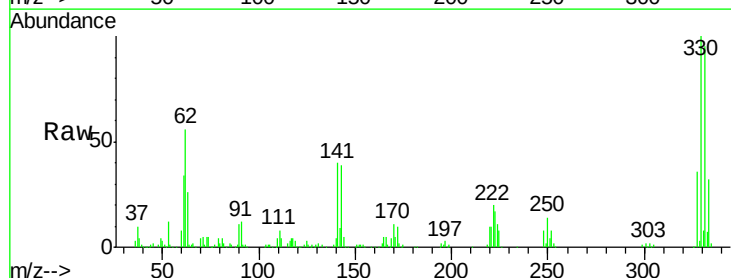
Tgt Ion:330 Resp: 280268

Ion Ratio Lower Upper

330 100

332 95.2 77.0 115.6

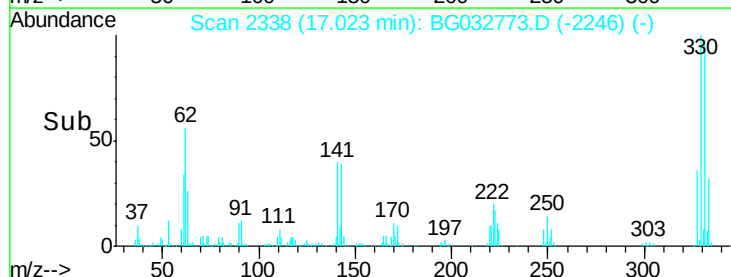
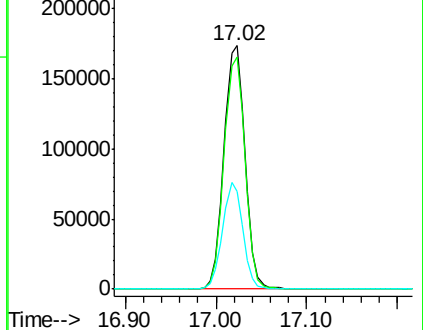
141 42.1 25.2 37.8#

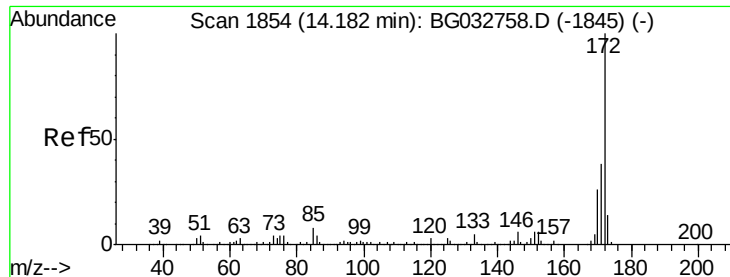


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

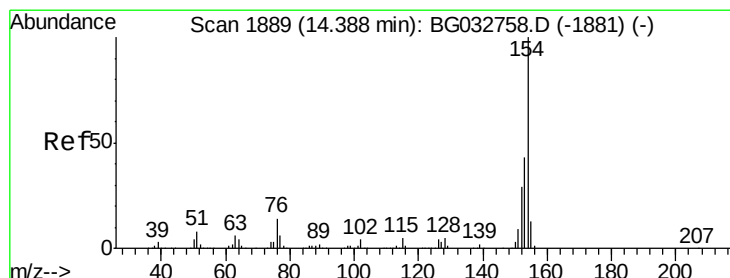
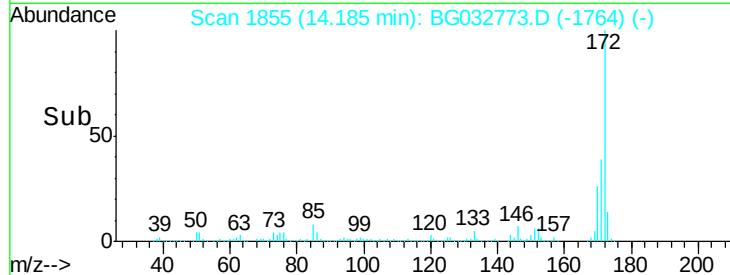
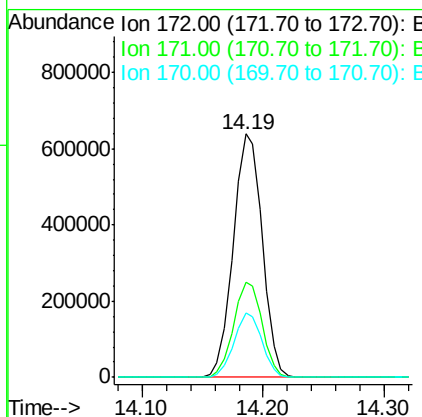
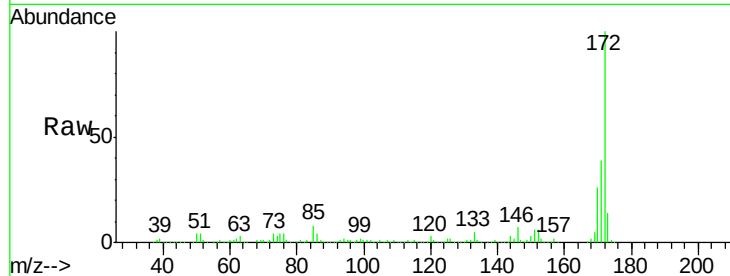




#44
2-Fluorobiphenyl
Concen: 90.374 ng
RT: 14.19 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

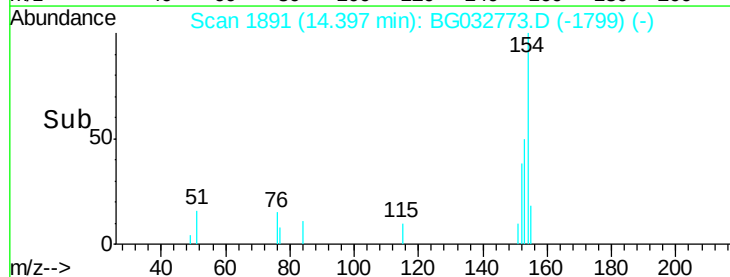
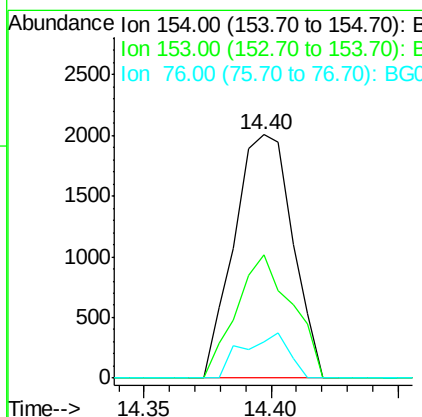
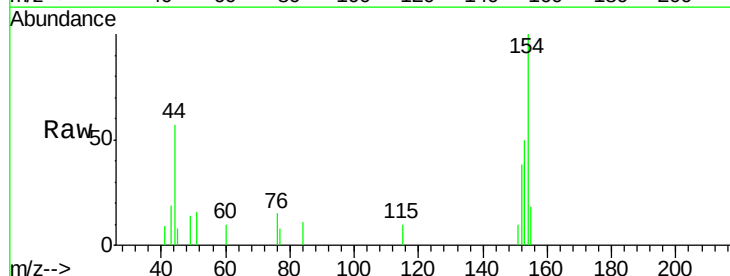
Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

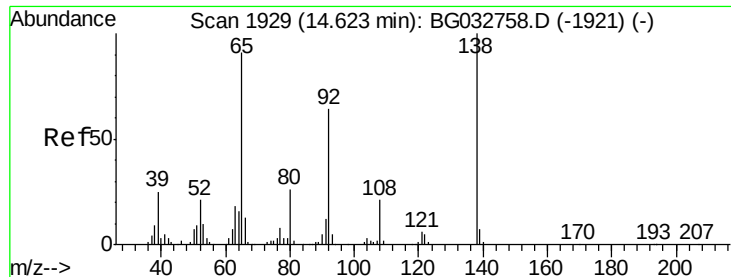
Tot Ion:172 Resp: 1063187
Ion Ratio Lower Upper
172 100
171 39.1 30.0 45.0
170 26.3 19.5 29.3



#45
1,1'-Biphenyl
Concen: 0.217 ng
RT: 14.40 min Scan# 1891
Delta R.T. 0.01 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion:154 Resp: 3221
Ion Ratio Lower Upper
154 100
153 50.4 19.8 59.8
76 15.1 0.0 31.9





#47

2-Nitroaniline

Concen: 9.856 ng

RT: 14.62 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

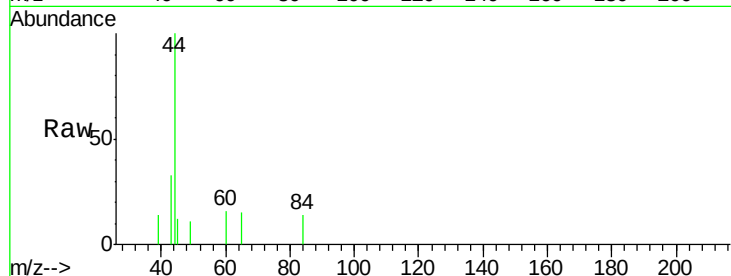
Tot Ion: 65 Resp: 70

Ion Ratio Lower Upper

65 100

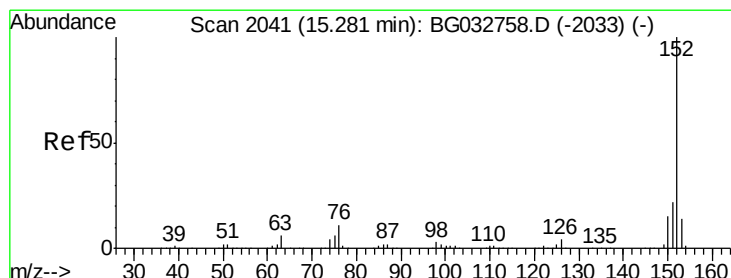
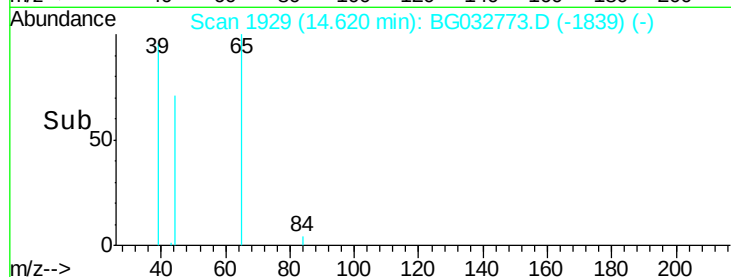
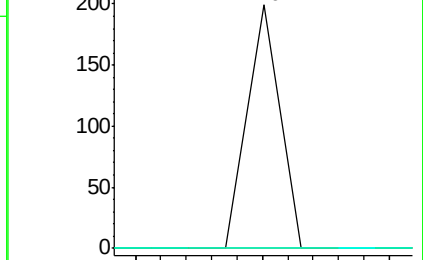
92 0.0 54.6 82.0#

138 0.0 72.9 109.3#



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): BGC

14.62



#48

Acenaphthylene

Concen: 0.028 ng

RT: 15.28 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

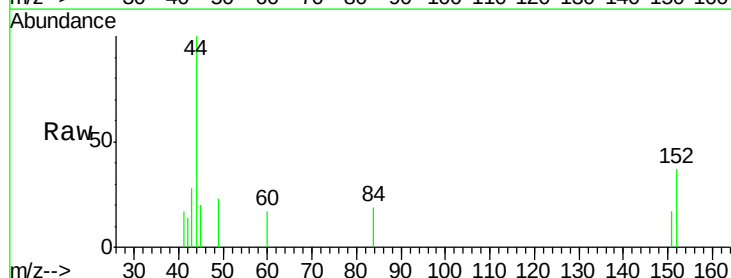
Tgt Ion: 152 Resp: 502

Ion Ratio Lower Upper

152 100

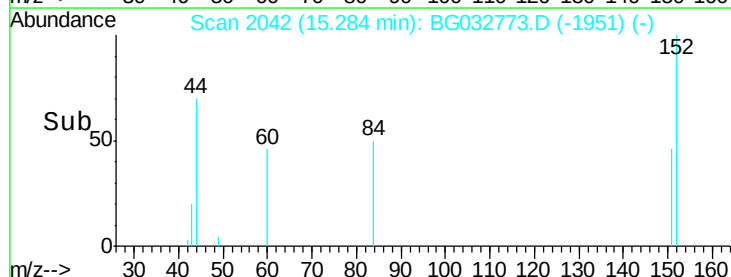
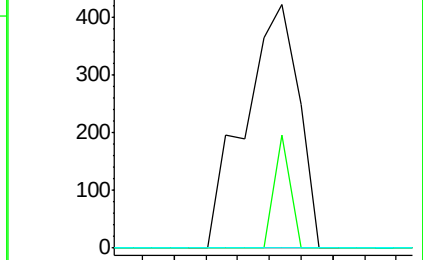
151 46.3 17.2 25.8#

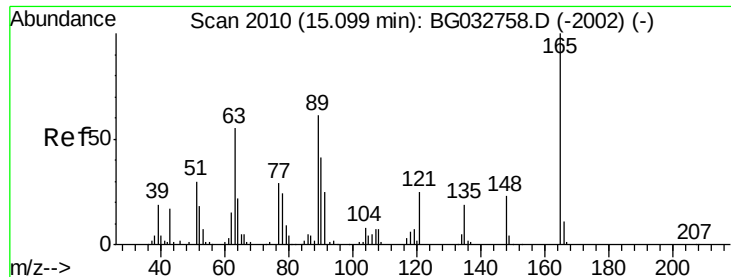
153 0.0 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC

15.28

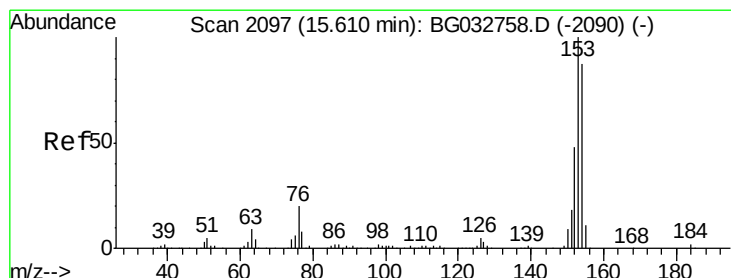
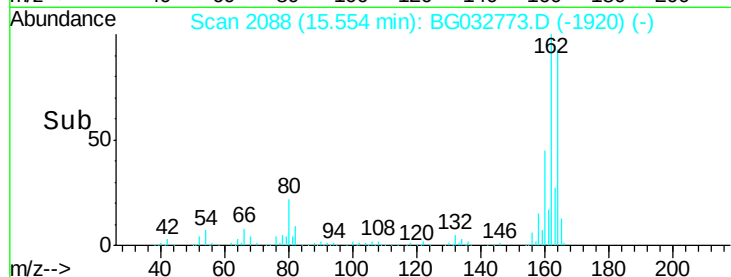
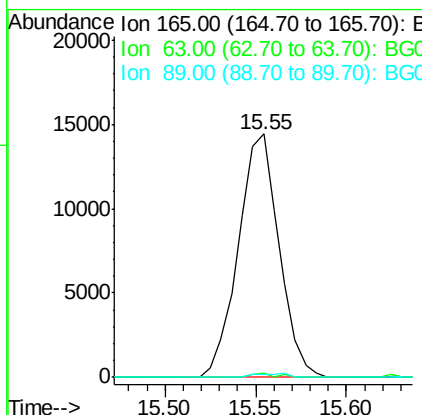
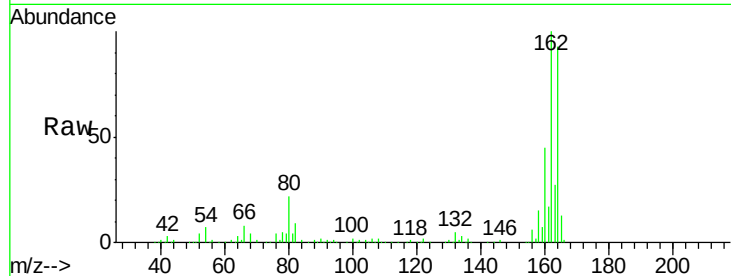




#50
2,6-Dinitrotoluene
Concen: 16.615 ng
RT: 15.55 min Scan# 2088
Delta R.T. 0.46 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

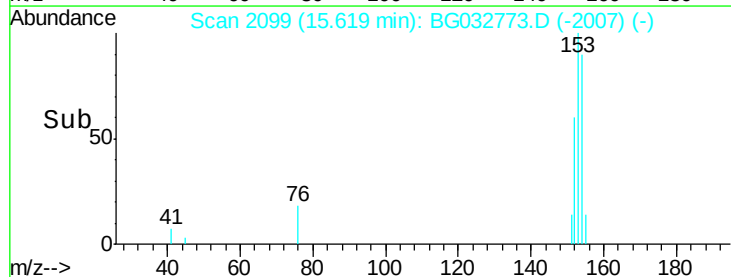
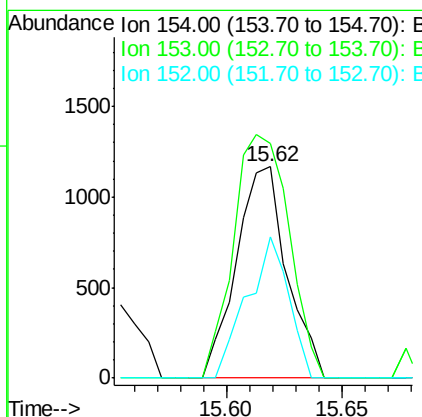
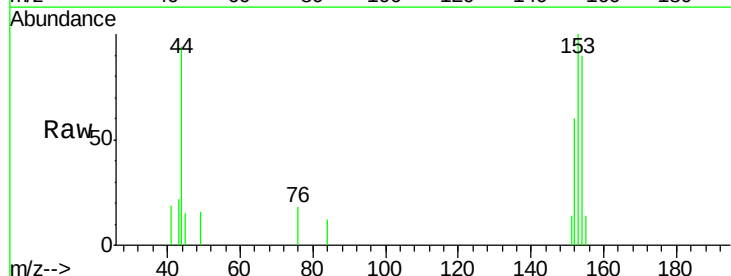
Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

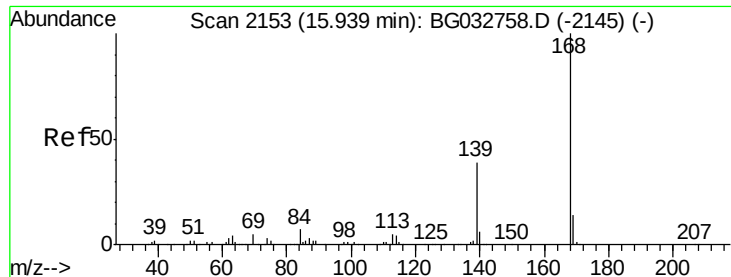
Tot Ion:165 Resp: 22589
Ion Ratio Lower Upper
165 100
63 1.7 52.7 79.1#
89 1.4 49.2 73.8#



#51
Acenaphthene
Concen: 0.158 ng
RT: 15.62 min Scan# 2099
Delta R.T. 0.01 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion:154 Resp: 1782
Ion Ratio Lower Upper
154 100
153 111.1 90.4 135.6
152 67.0 41.6 62.4#





#54

Dibenzofuran

Concen: 0.192 ng

RT: 15.94 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

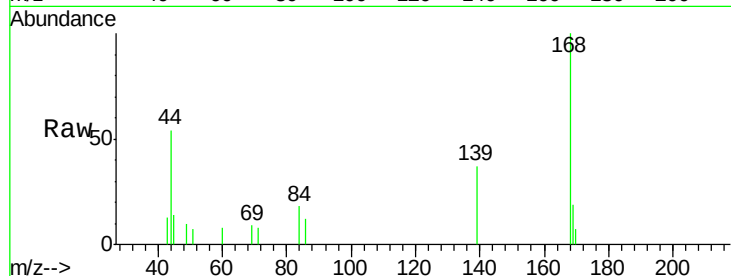
Tot Ion:168 Resp: 3093

Ion Ratio Lower Upper

168 100

139 36.7 28.6 43.0

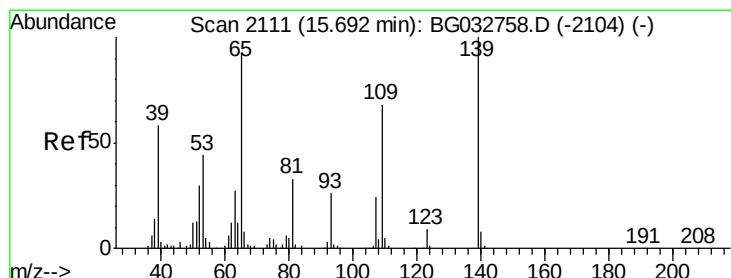
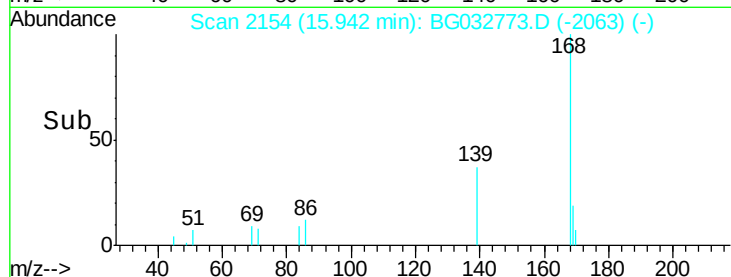
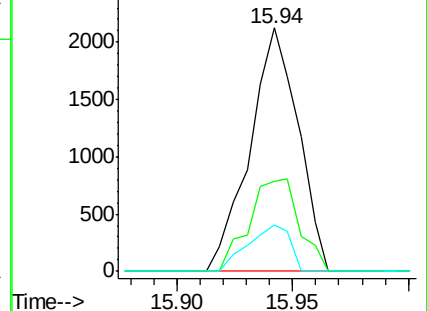
169 18.9 11.2 16.8#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 7.553 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.26 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

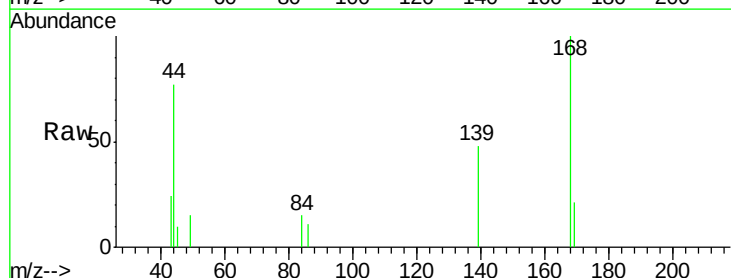
Tgt Ion:139 Resp: 1224

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

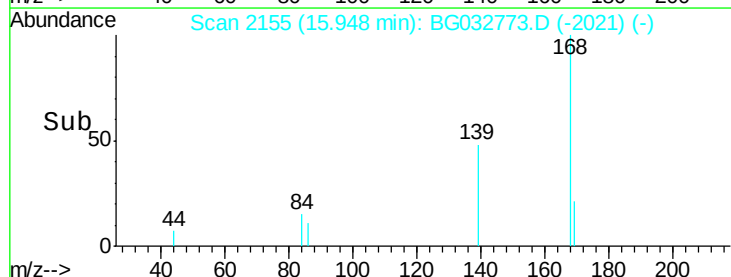
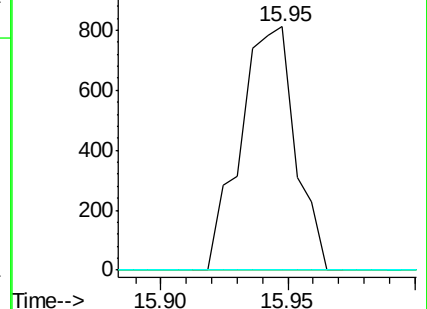
65 0.0 97.2 137.2#

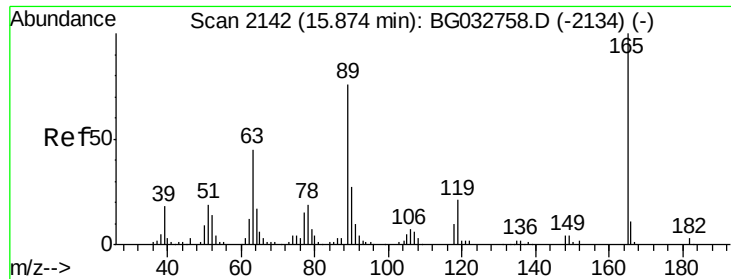


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

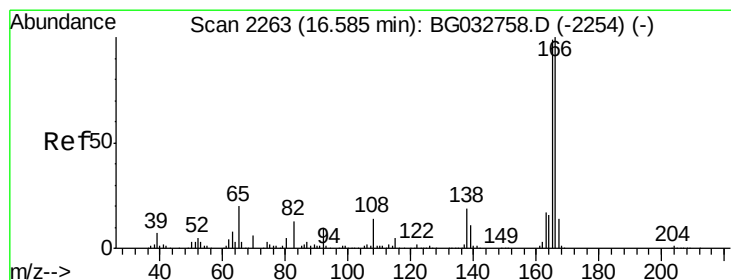
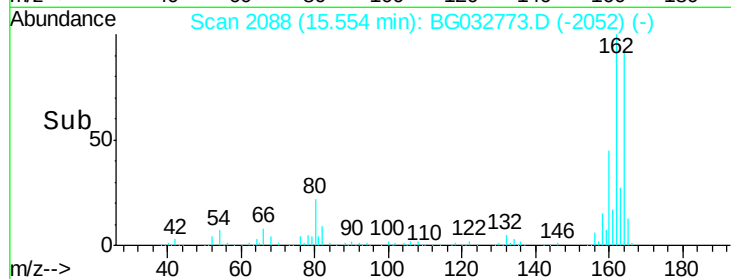
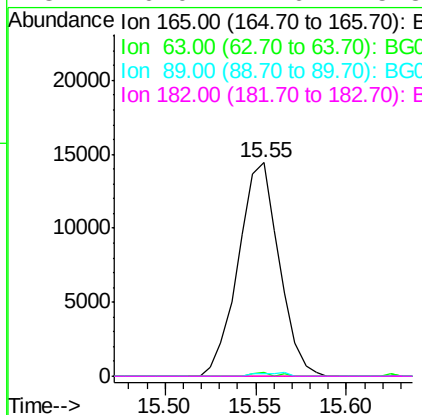
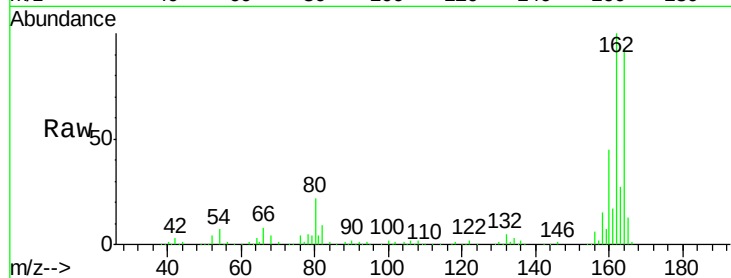




#56
 2,4-Dinitrotoluene
 Concen: 14.814 ng
 RT: 15.55 min Scan# 2088
 Delta R.T. -0.32 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

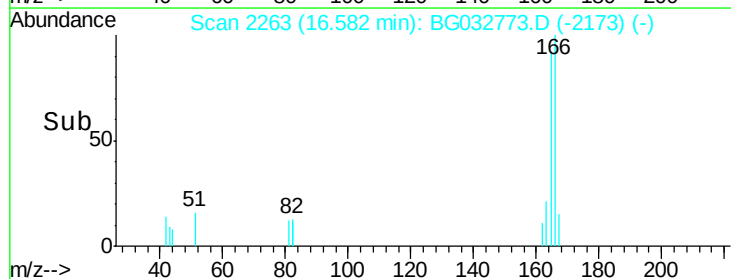
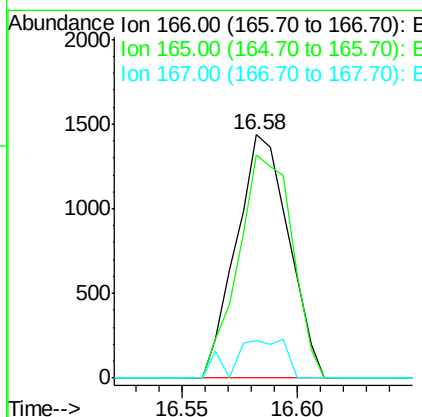
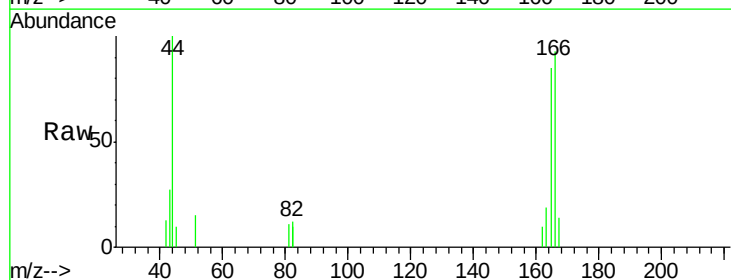
Instrument :
 BNA_G
 ClientSampleId :
 MAD-SUB-TRENCH

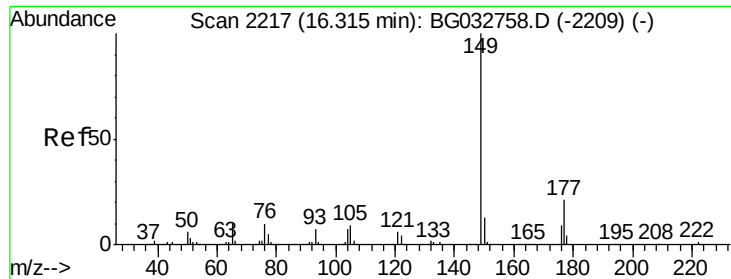
Tot Ion:165	Resp:	22589
Ion Ratio	Lower	Upper
165	100	
63	1.7	42.0 63.0#
89	1.4	66.9 100.3#
182	0.0	2.6 3.8#



#57
 Fluorene
 Concen: 0.171 ng
 RT: 16.58 min Scan# 2263
 Delta R.T. -0.00 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

Tgt Ion:166	Resp:	2266
Ion Ratio	Lower	Upper
166	100	
165	91.9	80.6 121.0
167	15.4	10.4 15.6





#59

Diethylphthalate

Concen: 0.087 ng

RT: 16.31 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

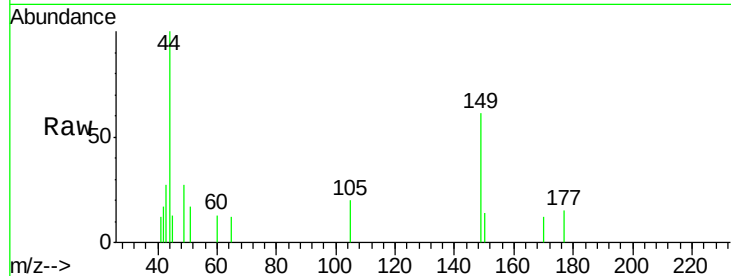
Tot Ion:149 Resp: 1320

Ion Ratio Lower Upper

149 100

177 24.4 18.5 27.7

150 23.9 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

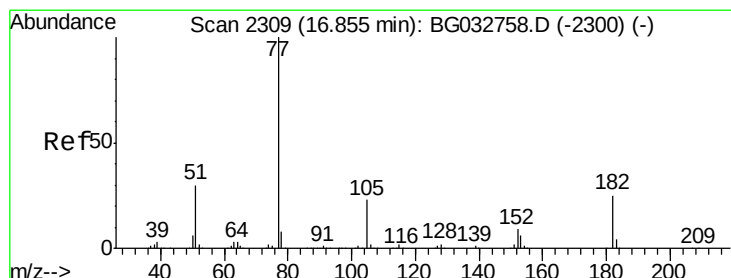
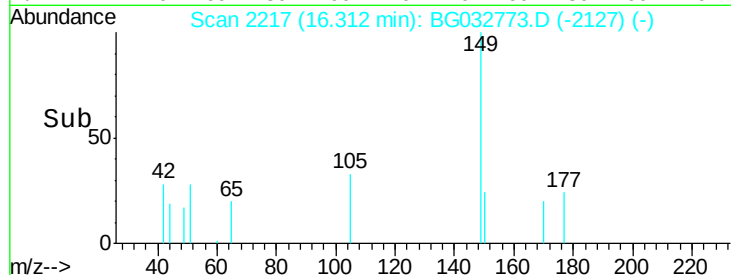
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

Time-->

16.31

16.30 16.35



#62

Azobenzene

Concen: 0.013 ng

RT: 16.88 min Scan# 2314

Delta R.T. 0.03 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Tgt Ion: 77 Resp: 178

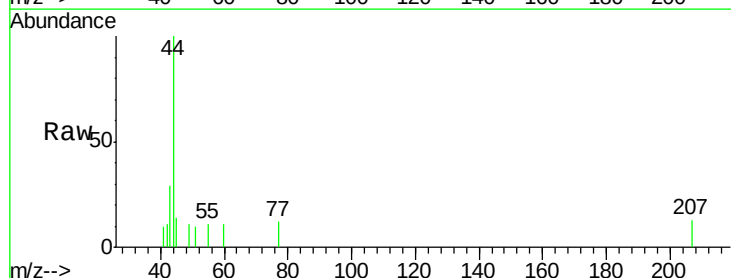
Ion Ratio Lower Upper

77 100

182 0.0 7.4 47.4#

105 0.0 0.3 40.3#

51 81.4 11.6 51.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): E

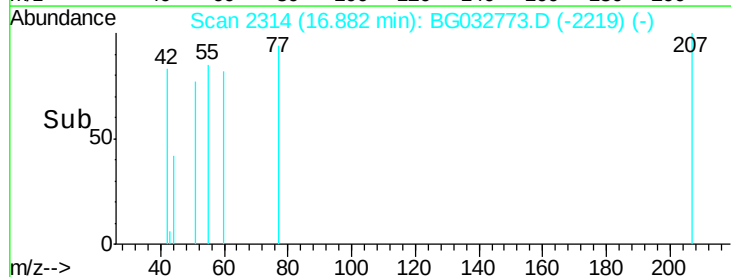
Ion 105.00 (104.70 to 105.70): E

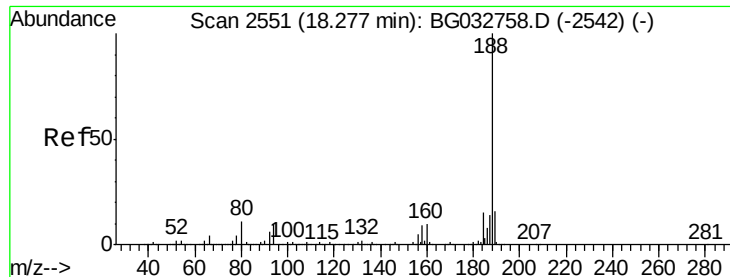
Ion 51.00 (50.70 to 51.70): BGC

Time-->

16.88

16.84 16.86 16.88 16.90





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.28 min Scan# 2552

Delta R.T. 0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

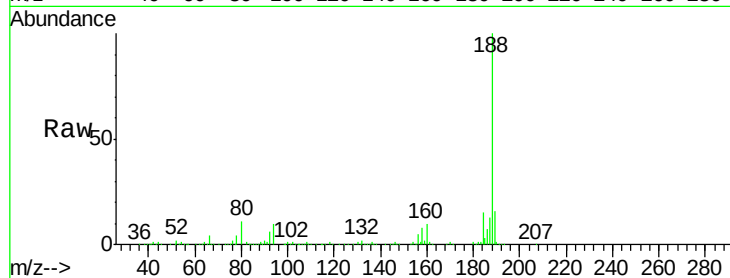
Tot Ion:188 Resp: 397363

Ion Ratio Lower Upper

188 100

94 10.5 6.9 10.3#

80 11.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

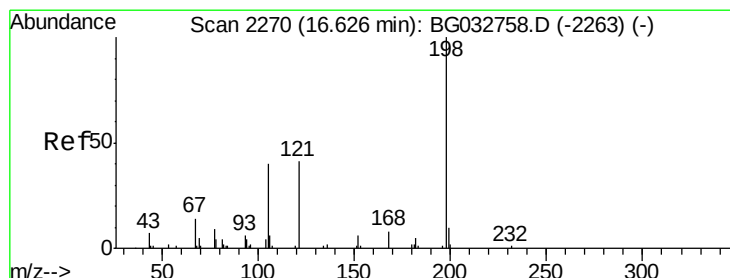
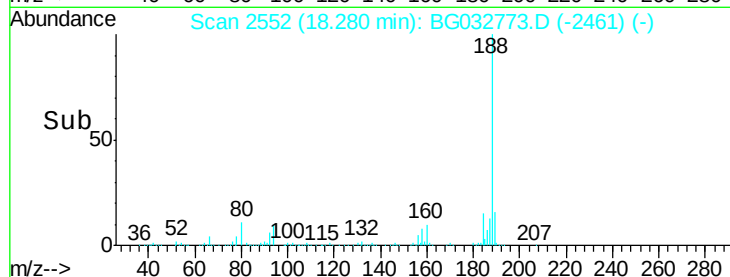
18.28

200000

100000

0

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.391 ng

RT: 17.02 min Scan# 2337

Delta R.T. 0.39 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

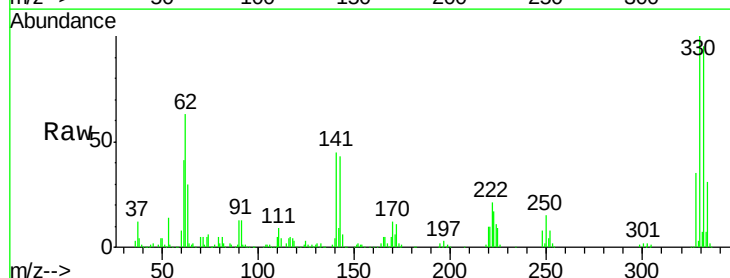
Tgt Ion:198 Resp: 413

Ion Ratio Lower Upper

198 100

51 227.4 30.6 70.6#

105 173.4 23.8 63.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

17.02

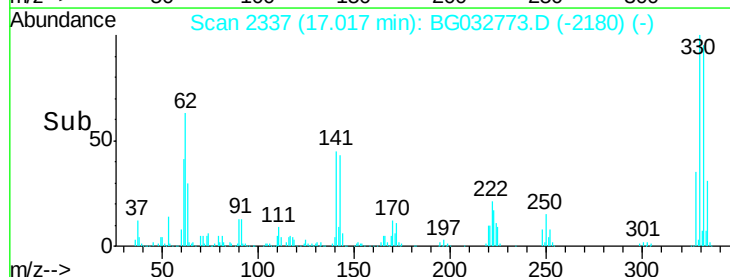
1500

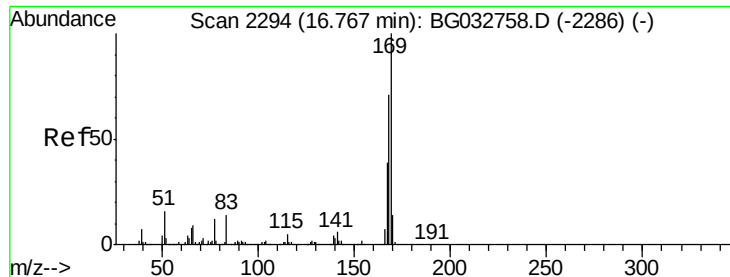
1000

500

0

Time-->

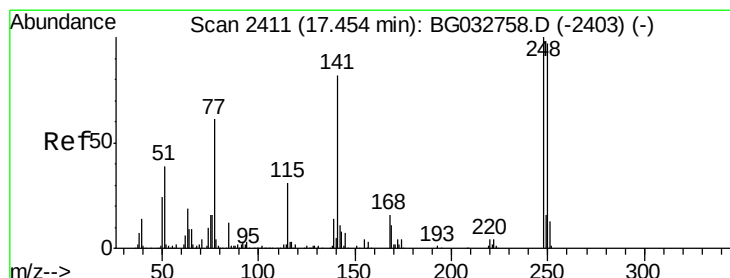
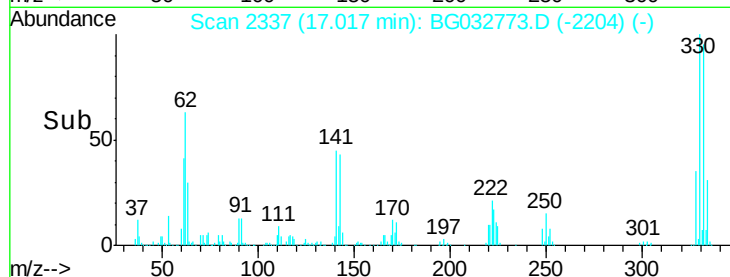
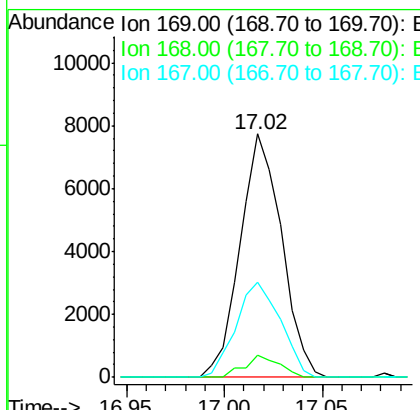
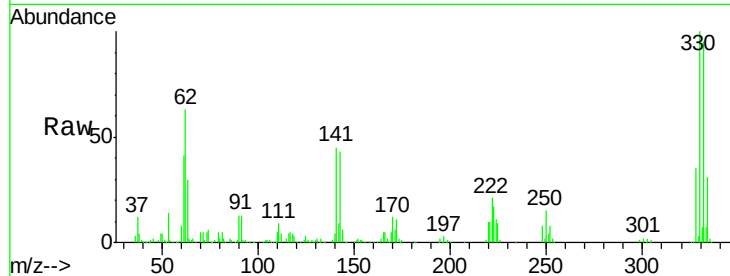




#65
 n-Nitrosodiphenylamine
 Concen: 0.881 ng
 RT: 17.02 min Scan# 2337
 Delta R.T. 0.25 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

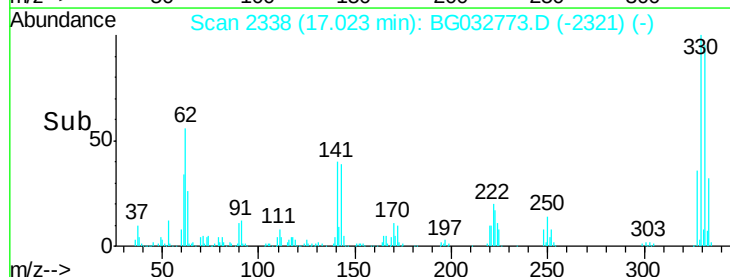
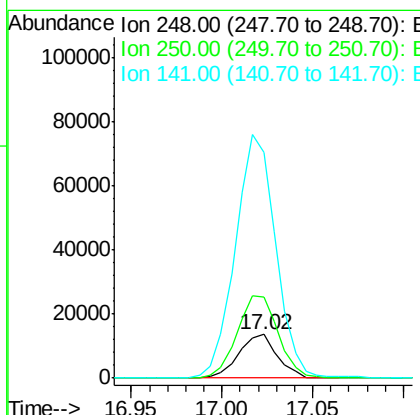
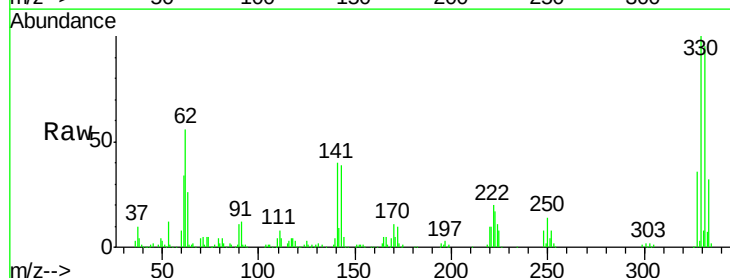
Instrument :
 BNA_G
 ClientSampleId :
 MAD-SUB-TRENCH

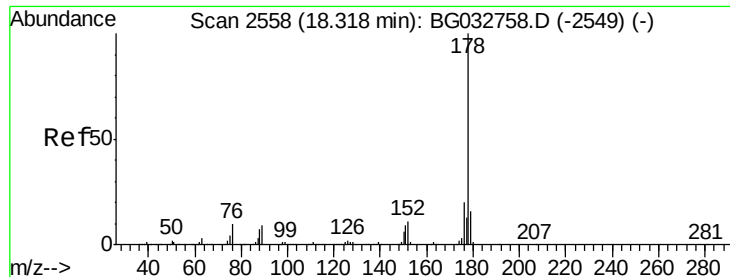
Tot Ion	Ratio	Lower	Upper
169	100		
168	9.3	55.7	83.5#
167	39.2	30.1	45.1



#66
 4-Bromophenyl-phenylether
 Concen: 4.768 ng
 RT: 17.02 min Scan# 2338
 Delta R.T. -0.43 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

Tgt Ion	Ratio	Lower	Upper
248	100		
250	184.7	77.1	115.7#
141	515.9	50.8	76.2#





#70

Phenanthrene

Concen: 0.348 ng

RT: 18.32 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

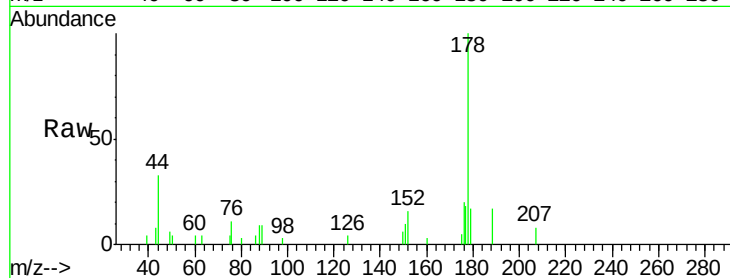
Tot Ion:178 Resp: 7706

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

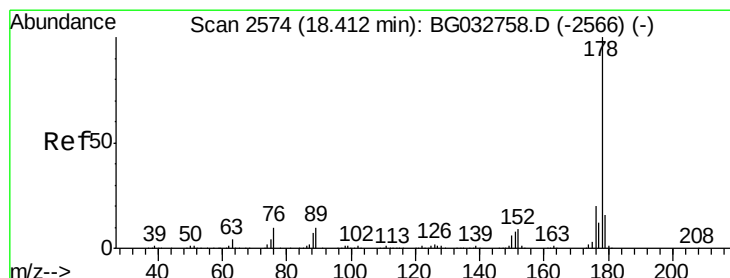
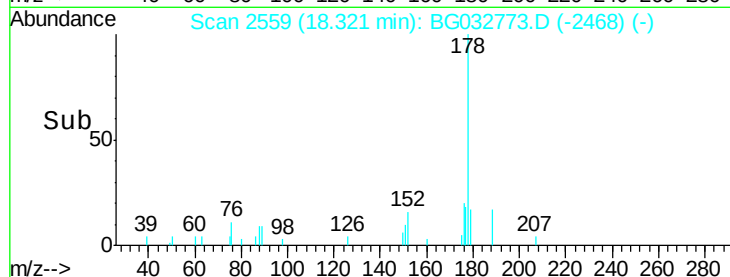
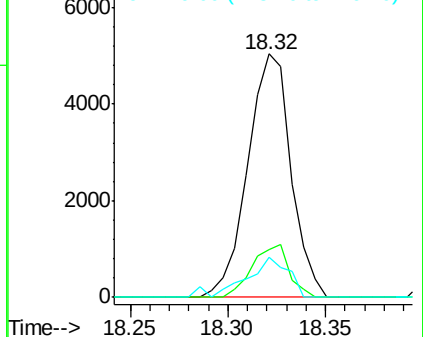
179 16.6 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 0.346 ng

RT: 18.32 min Scan# 2559

Delta R.T. -0.09 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

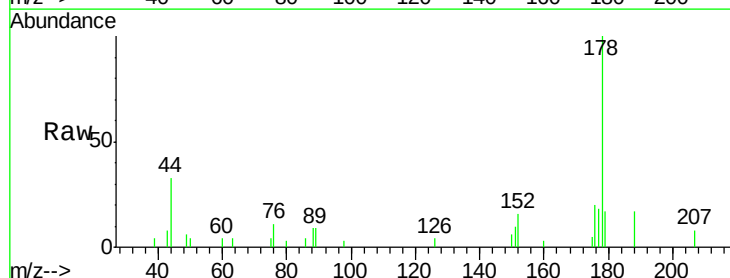
Tgt Ion:178 Resp: 7706

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

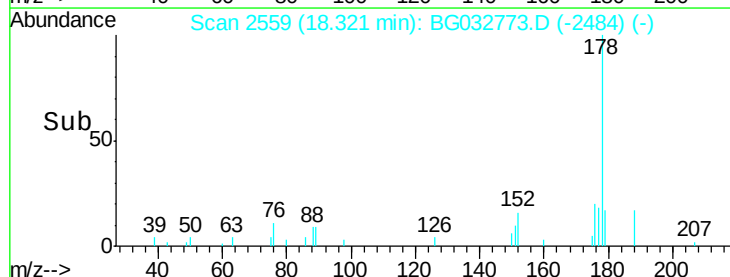
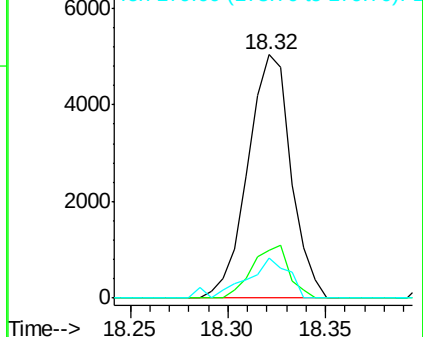
179 16.6 12.5 18.7

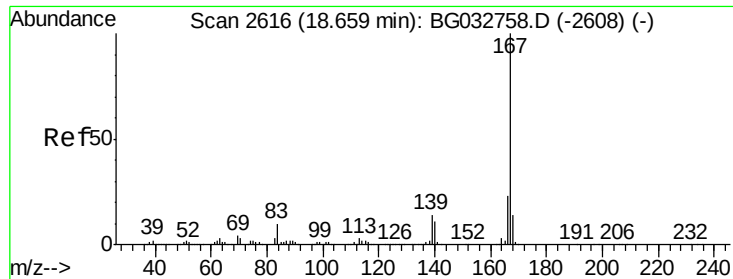


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 0.020 ng

RT: 18.67 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

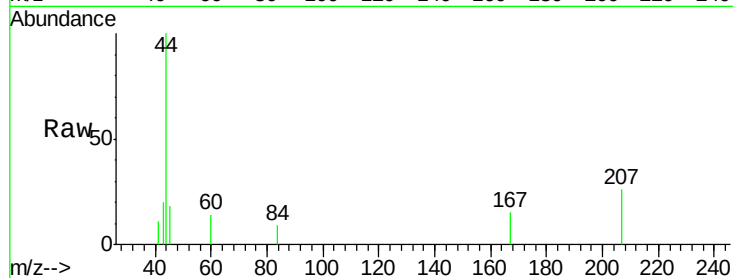
Tot Ion:167 Resp: 446

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.4#

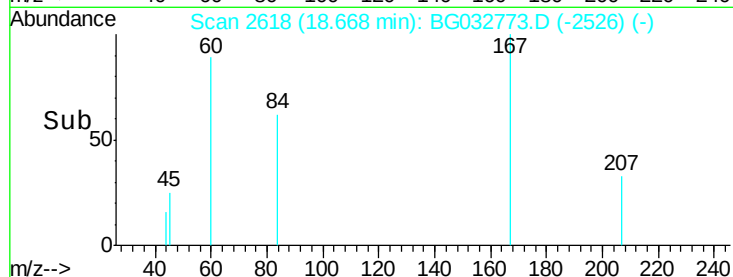
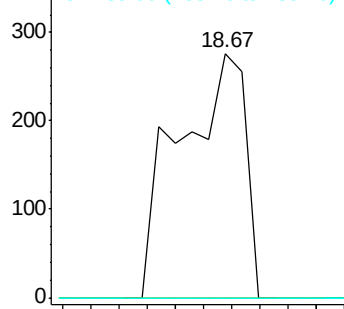
139 0.0 9.4 14.2#



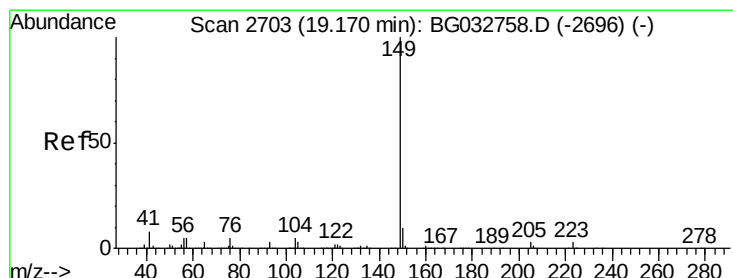
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#73

Di-n-butylphthalate

Concen: 0.046 ng

RT: 19.18 min Scan# 2705

Delta R.T. 0.01 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

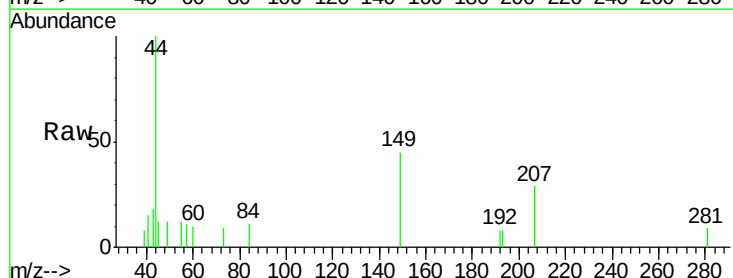
Tgt Ion:149 Resp: 1251

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

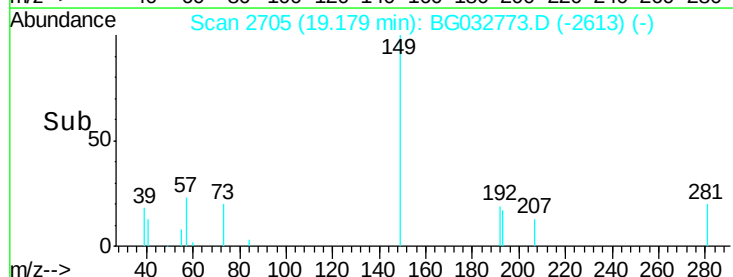
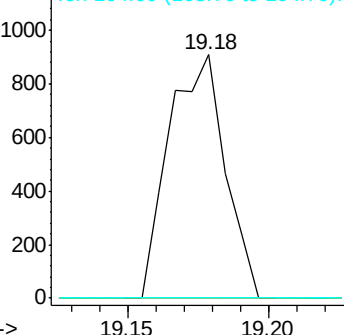
104 0.0 3.9 5.9#

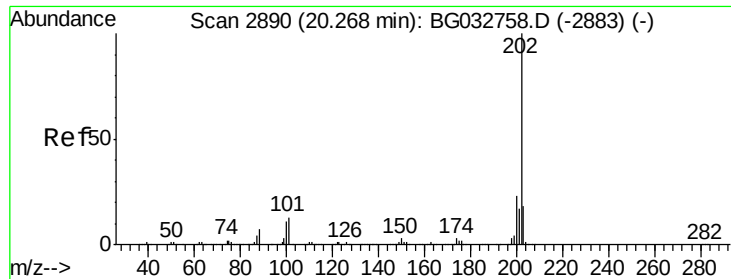


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

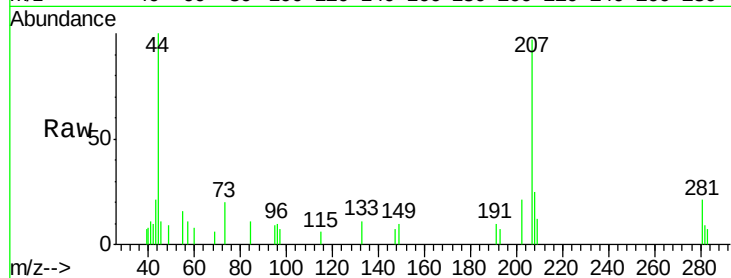




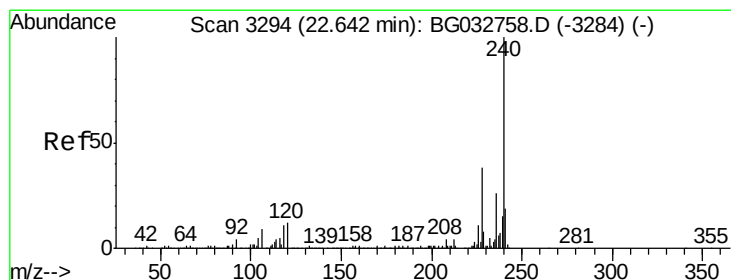
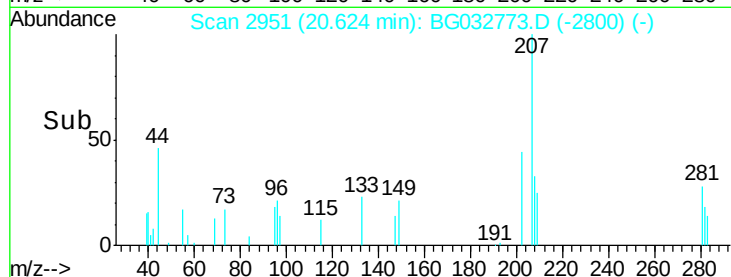
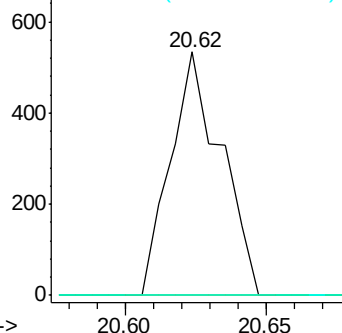
#74
 Fluoranthene
 Concen: 0.027 ng
 RT: 20.62 min Scan# 2951
 Delta R.T. 0.36 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

Instrument :
 BNA_G
 ClientSampleId :
 MAD-SUB-TRENCH

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	28.9
203	0.0	0.0	37.5

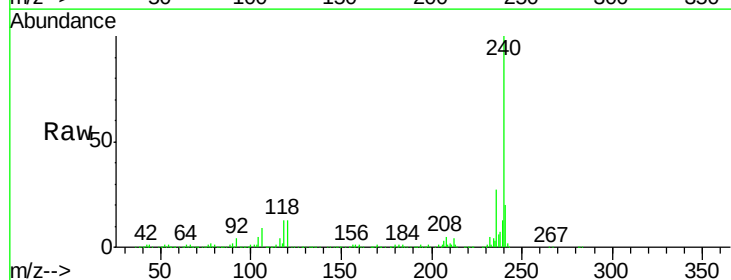


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

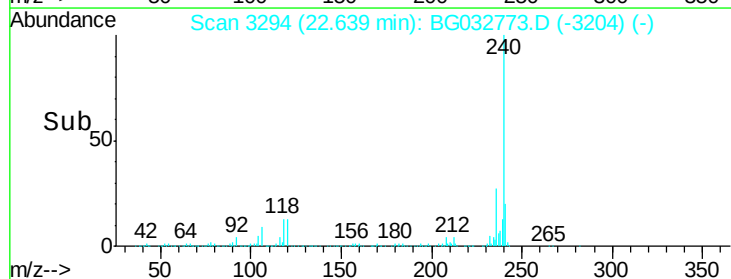
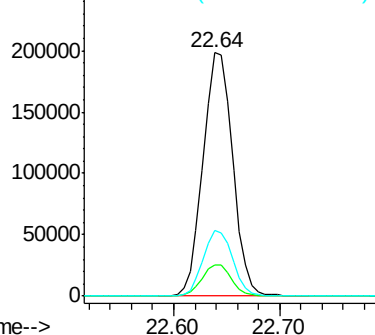


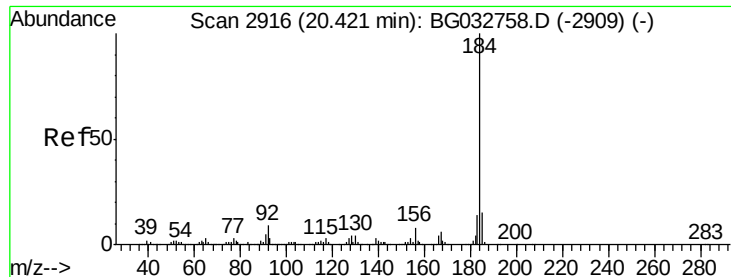
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.64 min Scan# 3294
 Delta R.T. -0.00 min
 Lab File: BG032773.D
 Acq: 22 Feb 2018 1:00

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.0	6.8	10.2#
236	26.9	20.9	31.3



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: 2.120 ng

RT: 20.80 min Scan# 2981

Delta R.T. 0.38 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

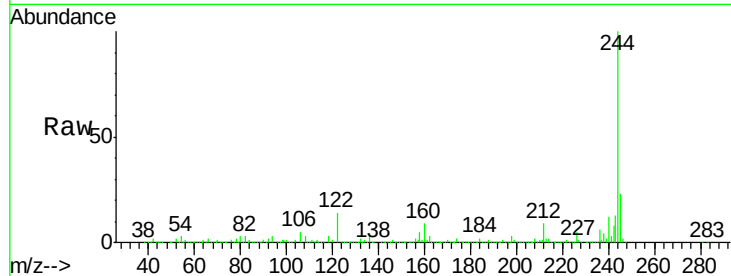
Tot Ion:184 Resp: 27836

Ion Ratio Lower Upper

184 100

185 16.8 11.1 16.7#

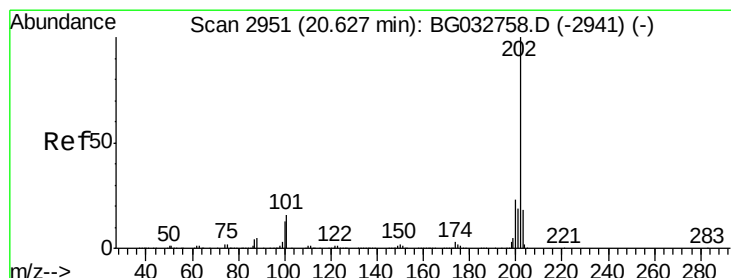
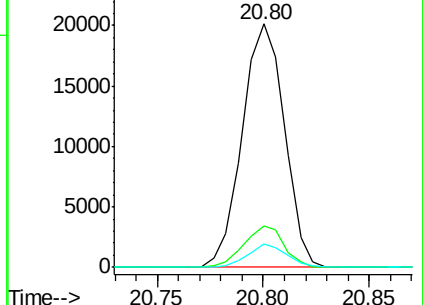
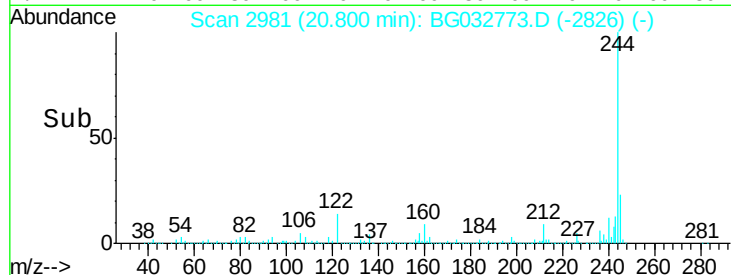
183 9.6 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.024 ng

RT: 20.62 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

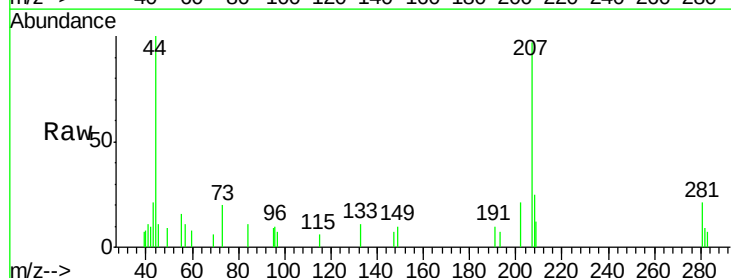
Tgt Ion:202 Resp: 663

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

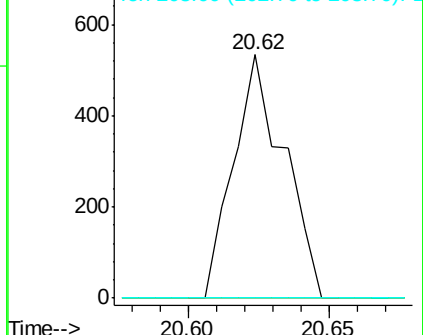
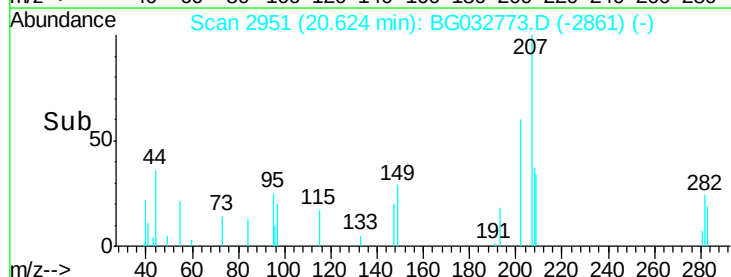
203 0.0 13.9 20.9#

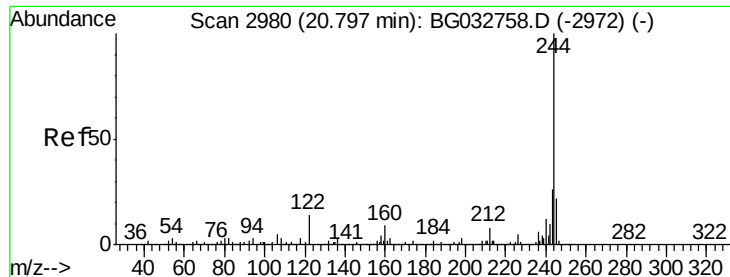


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 94.299 ng

RT: 20.80 min Scan# 2981

Delta R.T. 0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

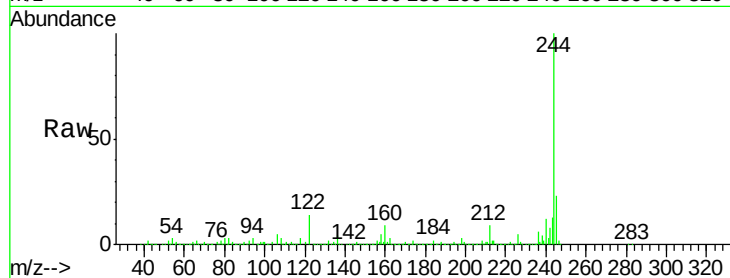
Tot Ion:244 Resp: 1616891

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

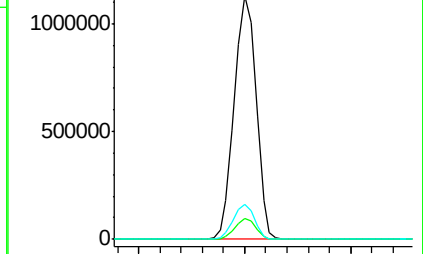
122 14.4 7.0 10.4#



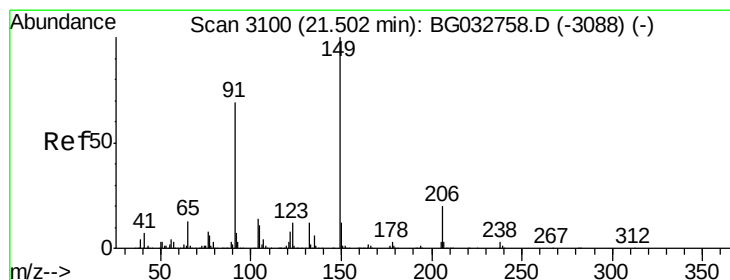
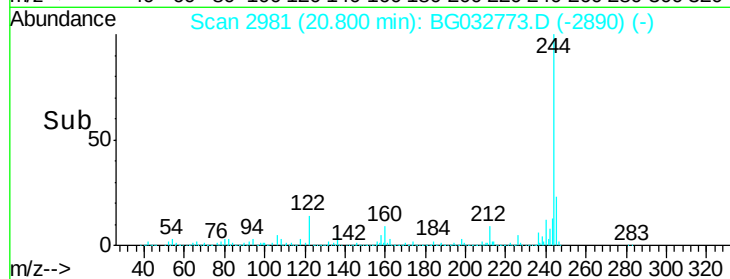
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#79

Butylbenzylphthalate

Concen: 0.035 ng

RT: 21.49 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

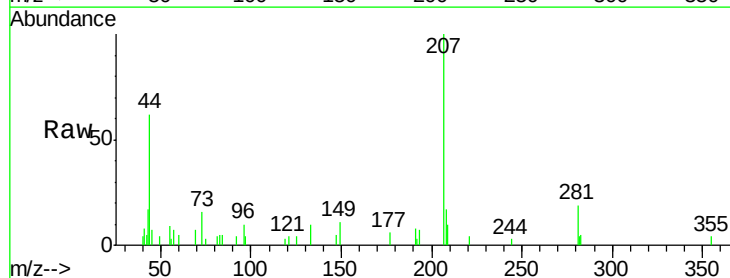
Tgt Ion:149 Resp: 422

Ion Ratio Lower Upper

149 100

91 0.0 62.2 93.2#

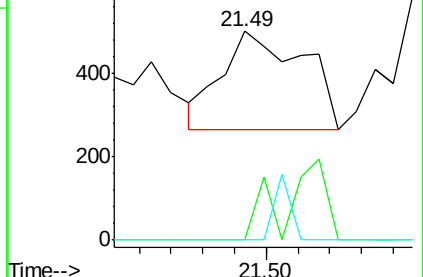
206 0.0 18.6 27.8#



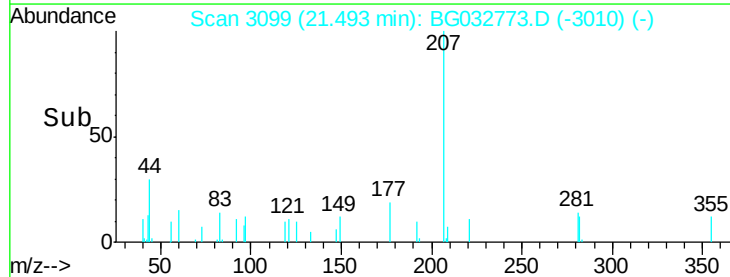
Abundance Ion 149.00 (148.70 to 149.70): E

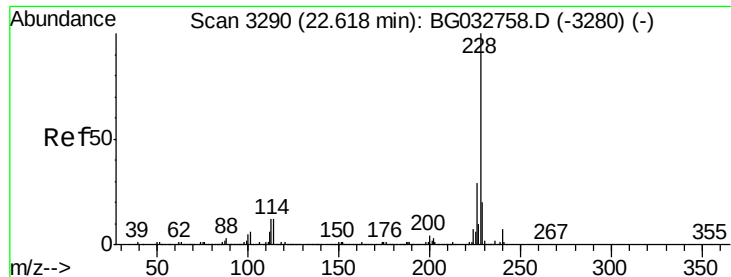
Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E



Time-->

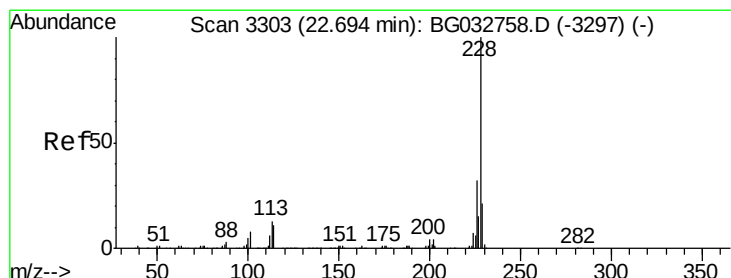
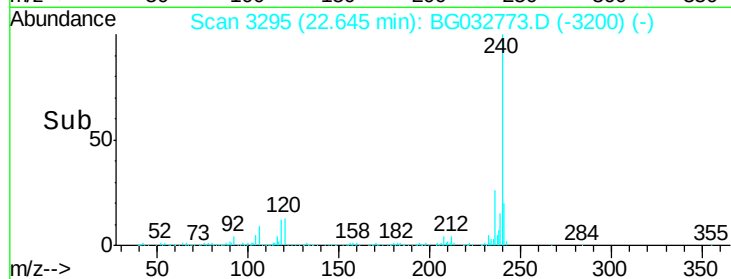
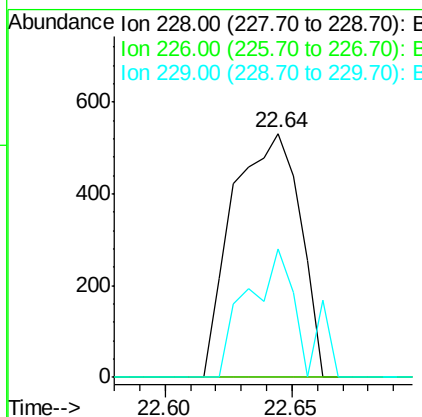
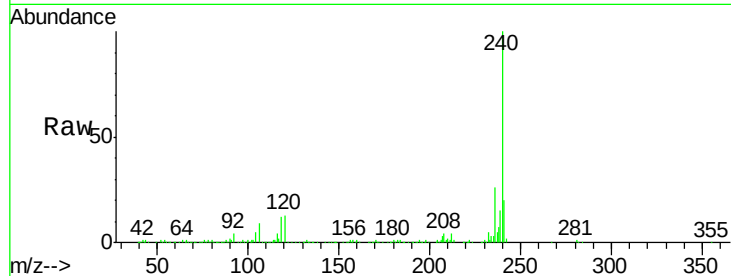




#80
Benzo(a)anthracene
Concen: 0.040 ng
RT: 22.64 min Scan# 3295
Delta R.T. 0.03 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

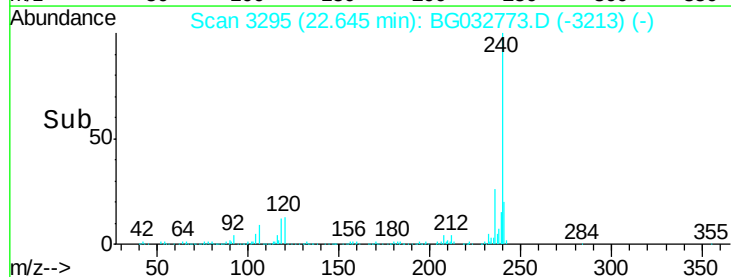
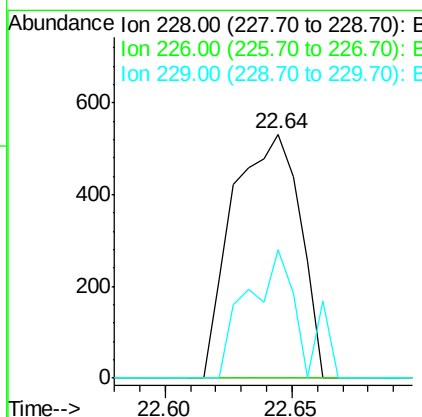
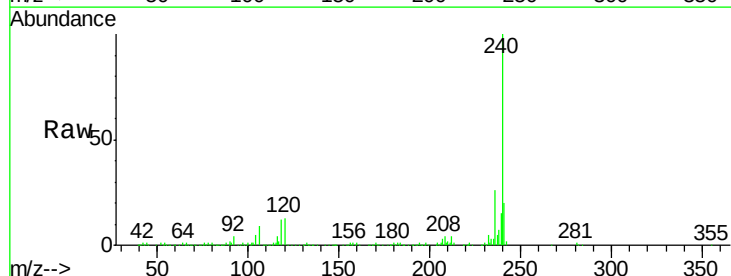
Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

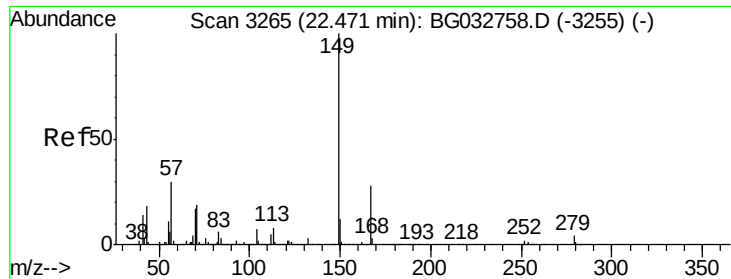
Tot Ion:228 Resp: 986
Ion Ratio Lower Upper
228 100
226 0.0 22.7 34.1#
229 52.5 16.2 24.2#



#82
Chrysene
Concen: 0.042 ng
RT: 22.64 min Scan# 3295
Delta R.T. -0.05 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion:228 Resp: 986
Ion Ratio Lower Upper
228 100
226 0.0 24.9 37.3#
229 52.5 15.0 22.4#





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.063 ng

RT: 22.47 min Scan# 3266

Delta R.T. 0.00 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

Instrument :

BNA_G

ClientSampleId :

MAD-SUB-TRENCH

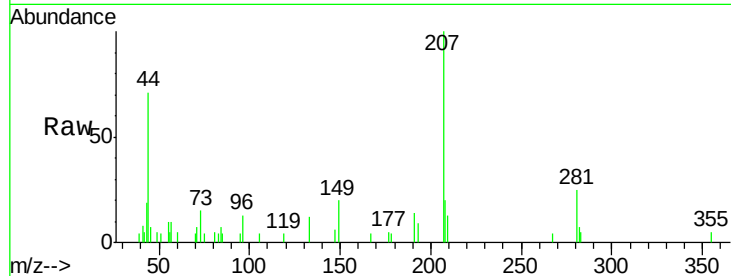
Tot Ion:149 Resp: 1128

Ion Ratio Lower Upper

149 100

167 21.0 24.3 36.5#

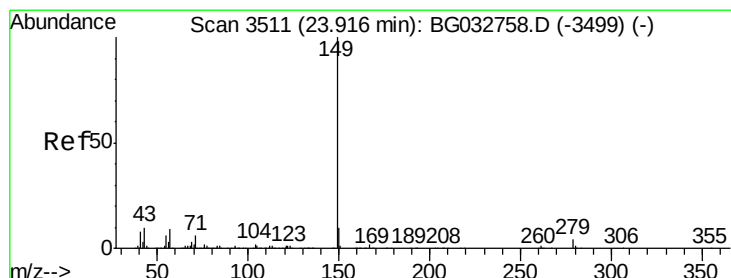
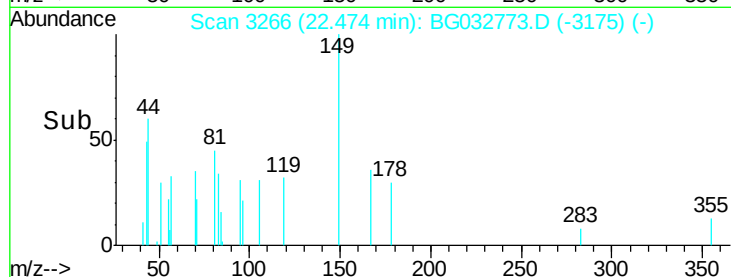
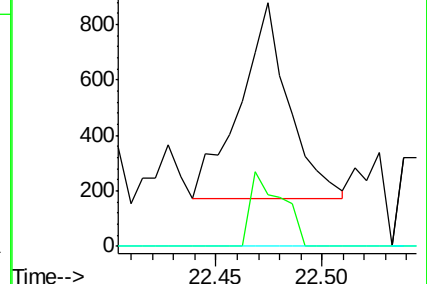
279 0.0 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.009 ng

RT: 23.94 min Scan# 3515

Delta R.T. 0.02 min

Lab File: BG032773.D

Acq: 22 Feb 2018 1:00

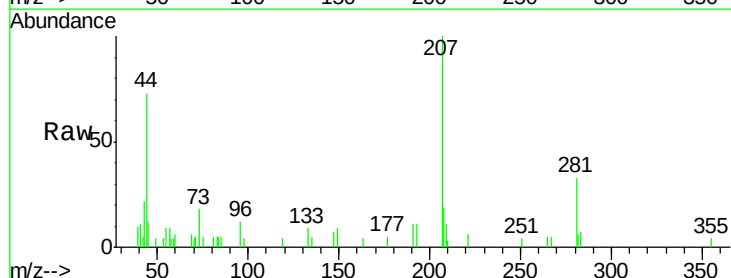
Tgt Ion:149 Resp: 252

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

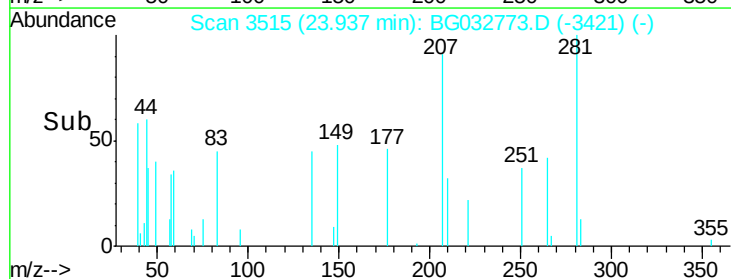
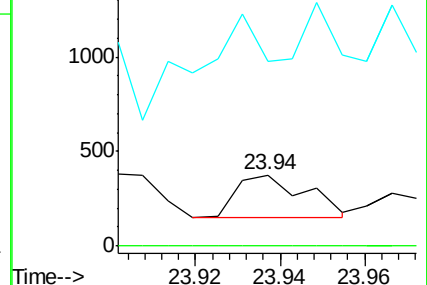
43 243.7 8.9 13.3#

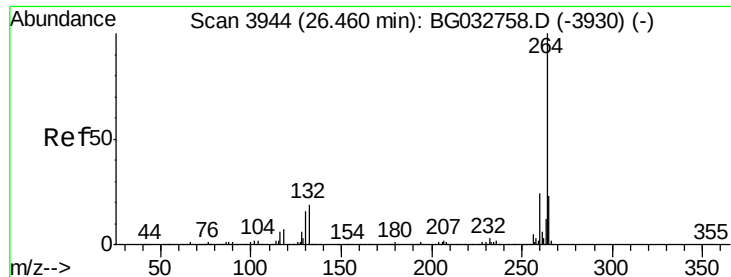


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BG

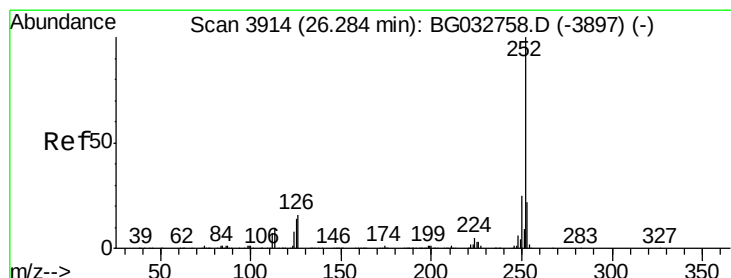
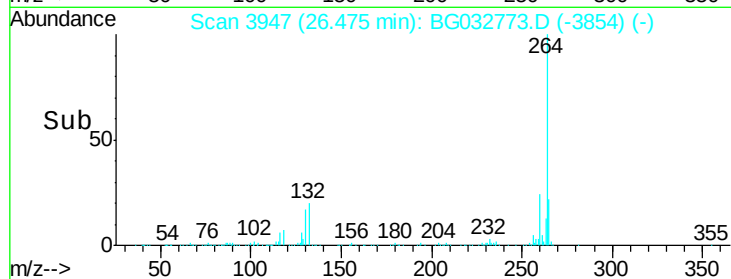
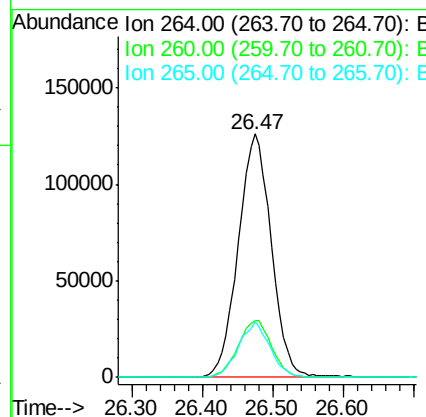
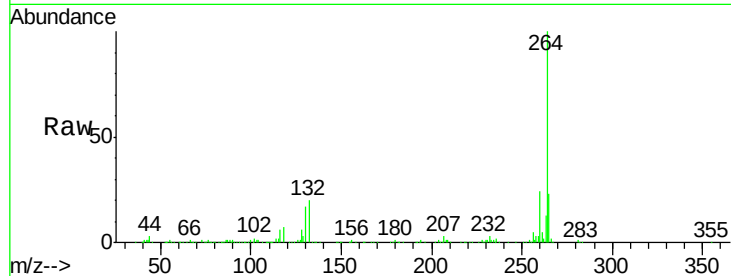




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.47 min Scan# 3947
Delta R.T. 0.01 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Instrument :
BNA_G
ClientSampleId :
MAD-SUB-TRENCH

Tot Ion:264 Resp: 409977
Ion Ratio Lower Upper
264 100
260 23.6 17.4 26.0
265 22.6 17.7 26.5



#89
Benzo(a)pyrene
Concen: 0.066 ng
RT: 26.49 min Scan# 3949
Delta R.T. 0.20 min
Lab File: BG032773.D
Acq: 22 Feb 2018 1:00

Tgt Ion:252 Resp: 1527
Ion Ratio Lower Upper
252 100
253 0.0 18.3 27.5#
125 0.0 7.3 10.9#

