

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022118\
 Data File : BG032768.D
 Acq On : 21 Feb 2018 20:20
 Operator : SJ/JU
 Sample : J1624-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Quant Time: Feb 22 06:15:58 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	8.93	152	75635	20.00	ng	0.00
21) Naphthalene-d8	11.81	136	327103	20.00	ng	0.00
38) Acenaphthene-d10	15.54	164	179850	20.00	ng	-0.01
63) Phenanthrene-d10	18.27	188	401668	20.00	ng	0.00
75) Chrysene-d12	22.62	240	391438	20.00	ng	-0.02
86) Perylene-d12	26.44	264	418170	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	6.34	112	588381	124.46	ng	0.00
7) Phenol-d6	8.02	99	691080	104.87	ng	0.00
23) Nitrobenzene-d5	10.13	82	487790	101.33	ng	0.00
41) 2,4,6-Tribromophenol	17.01	330	283301	149.81	ng	0.00
44) 2-Fluorobiphenyl	14.18	172	1100324	88.24	ng	0.00
78) Terphenyl-d14	20.79	244	1569606	90.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.92	88	412	0.201	ng	# 52
3) Pyridine	4.62	79	66	0.012	ng	# 1
4) n-Nitrosodimethylamine	4.31	42	387	0.171	ng	# 1
6) Aniline	8.44	93	921	0.103	ng	# 1
8) 2-Chlorophenol	8.47	128	54	0.010	ng	# 1
9) Benzaldehyde	8.03	77	960	0.253	ng	# 5
10) Phenol	8.44	94	1421	0.214	ng	# 1
11) bis(2-Chloroethyl)ether	8.44	93	921	0.170	ng	# 1
15) Benzyl Alcohol	9.27	79	8257	1.704	ng	# 36
16) 2,2'-oxybis(1-Chloropropan	9.47	45	424	0.045	ng	# 75
17) 2-Methylphenol	9.27	107	54	0.011	ng	# 1
19) n-Nitroso-di-n-propylamine	10.13	70	64682	13.904	ng	# 82
20) 3+4-Methylphenols	9.27	107	54	0.008	ng	# 1
22) Acetophenone	9.77	105	828	0.100	ng	# 48
24) Nitrobenzene	10.12	77	1696	6.662	ng	# 31
25) Isophorone	10.74	82	59	0.005	ng	# 69
27) 2,4-Dimethylphenol	10.96	122	53	0.011	ng	# 1
28) bis(2-Chloroethoxy)methane	11.11	93	65	0.010	ng	# 51
31) Naphthalene	11.87	128	320270	18.738	ng	# 99
32) Benzoic acid	10.96	122	53	5.835	ng	# 25
33) 4-Chloroaniline	11.87	127	44537	5.828	ng	# 32
37) 2-Methylnaphthalene	13.41	142	17981	1.454	ng	# 95
45) 1,1'-Biphenyl	14.38	154	5467	0.348	ng	# 93
47) 2-Nitroaniline	14.17	65	1989	10.370	ng	# 1
48) Acenaphthylene	15.27	152	114	0.006	ng	# 59
50) 2,6-Dinitrotoluene	15.54	165	23944	16.615	ng	# 20
51) Acenaphthene	15.61	154	1692	0.141	ng	# 86
54) Dibenzofuran	15.93	168	6434	0.377	ng	# 84
55) 4-Nitrophenol	15.93	139	2642	8.044	ng	# 1
56) 2,4-Dinitrotoluene	15.54	165	23944	14.814	ng	# 18
57) Fluorene	16.58	166	3006	0.214	ng	# 89
59) Diethylphthalate	16.31	149	3889	0.241	ng	# 94
62) Azobenzene	16.87	77	161	0.011	ng	# 5
64) 4,6-Dinitro-2-methylphenol	17.01	198	657	5.644	ng	# 1

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

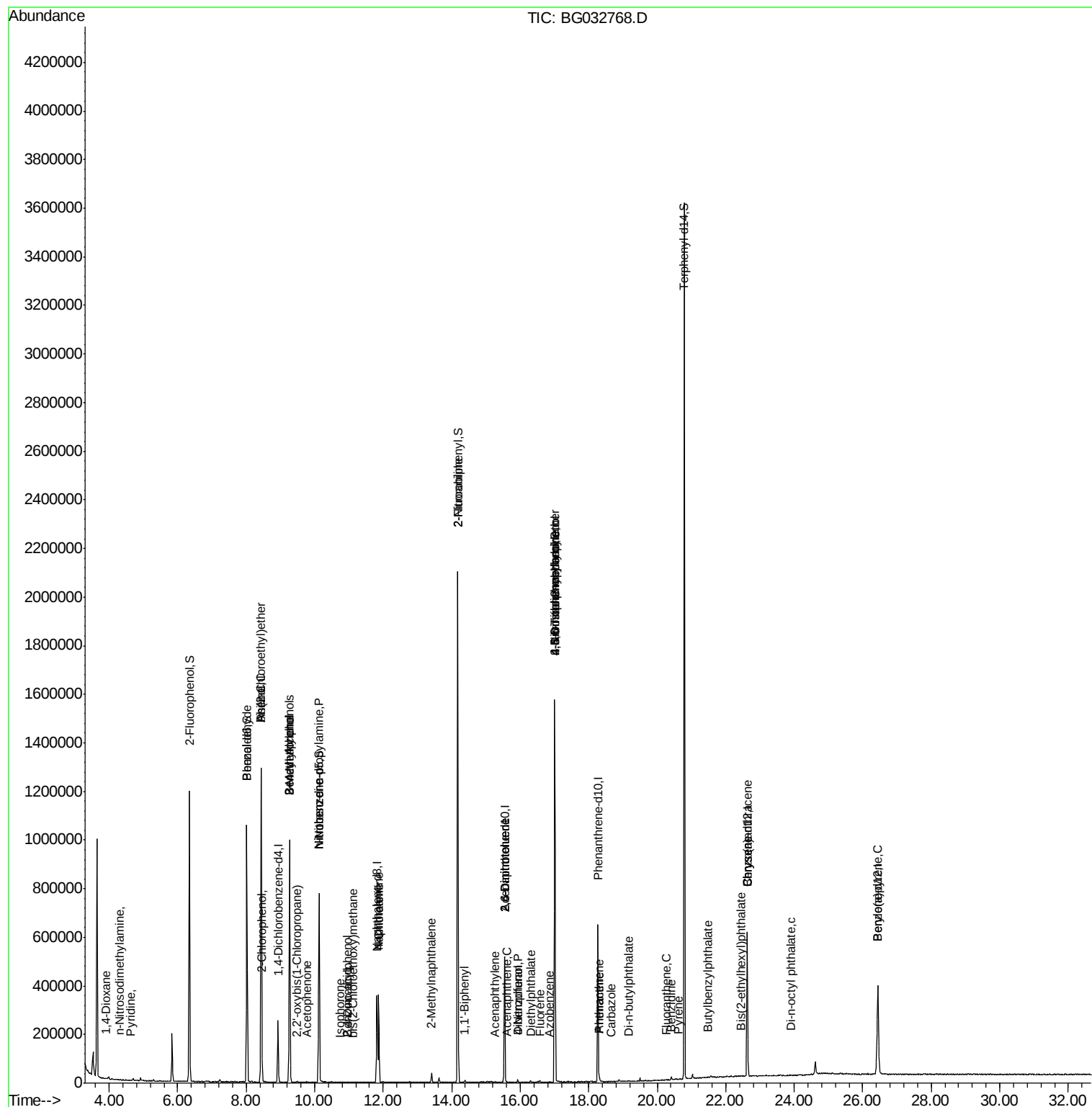
65) n-Nitrosodiphenylamine	17.01	169	11065	0.847	nq	# 50
66) 4-Bromophenyl-phenylether	17.01	248	19873	4.679	nq	# 1
70) Phenanthrene	18.31	178	9938	0.443	nq	95
71) Anthracene	18.31	178	9938	0.442	nq	96
72) Carbazole	18.65	167	824	0.037	nq	# 85
73) Di-n-butylphthalate	19.16	149	1851	0.068	nq	# 78
74) Fluoranthene	20.26	202	1143	0.046	nq	79
76) Benzidine	20.42	184	8463	0.634	nq	99
77) Pyrene	20.62	202	833	0.030	nq	# 57
79) Butylbenzylphthalate	21.49	149	58	0.005	nq	# 20
80) Benzo(a)anthracene	22.62	228	915	0.036	nq	# 48
82) Chrysene	22.62	228	915	0.038	nq	# 44
83) Bis(2-ethylhexyl)phthalate	22.47	149	1870	0.103	nq	# 87
84) Di-n-octyl phthalate	23.90	149	203	0.007	nq	# 1
89) Benzo(a)pyrene	26.45	252	1630	0.069	nq	# 47

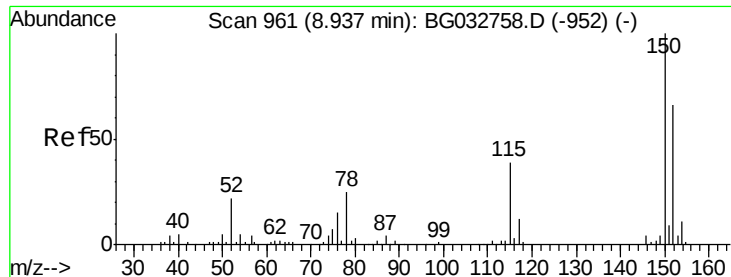
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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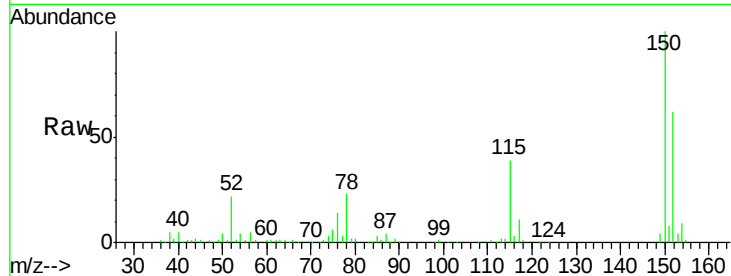


#1

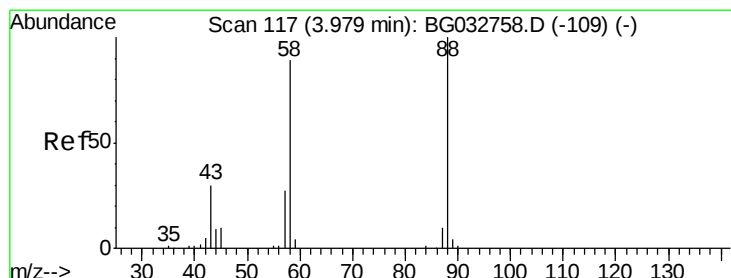
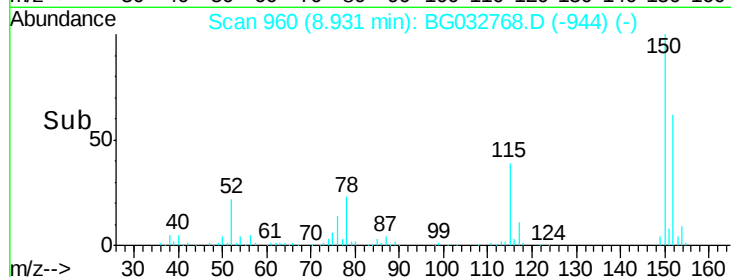
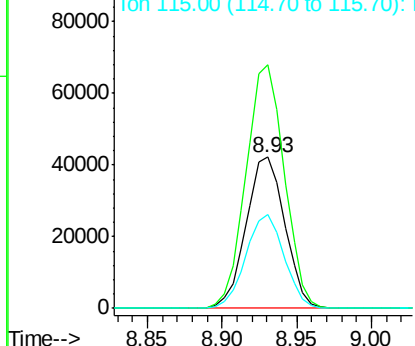
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.93 min Scan# 960
Delta R.T. -0.01 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Instrument :
BNA_G
ClientSampled :
TP-2

Tot Ion:152 Resp: 75635
Ion Ratio Lower Upper
152 100
150 161.4 126.6 189.8
115 62.4 53.0 79.4



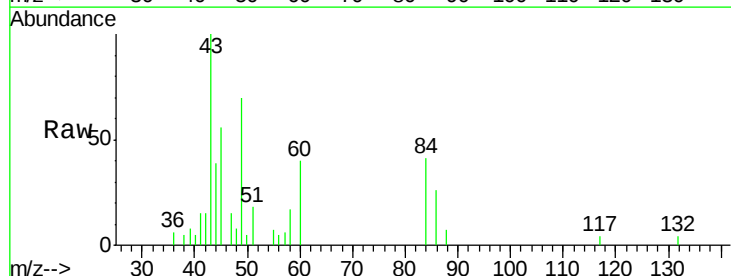
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



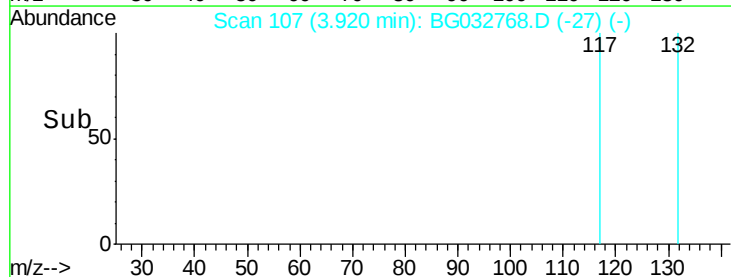
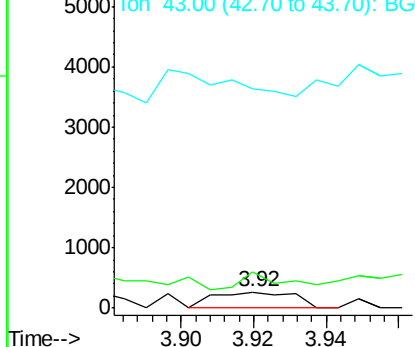
#2

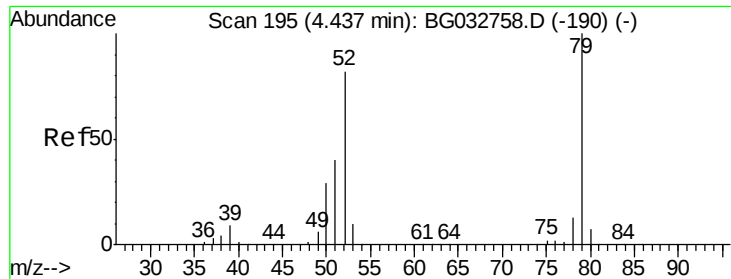
1,4-Dioxane
Concen: 0.201 ng
RT: 3.92 min Scan# 107
Delta R.T. -0.06 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Tgt Ion: 88 Resp: 412
Ion Ratio Lower Upper
88 100
58 55.3 79.6 119.4#
43 0.0 27.4 41.0#



Abundance Ion 88.00 (87.70 to 88.70): BGC
Ion 58.00 (57.70 to 58.70): BGC
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 0.012 ng

RT: 4.62 min Scan# 227

Delta R.T. 0.19 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampled :

TP-2

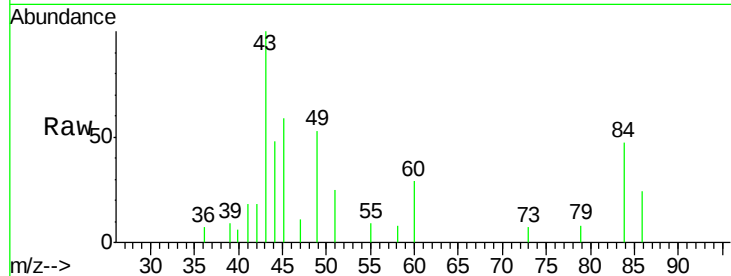
Tot Ion: 79 Resp: 66

Ion Ratio Lower Upper

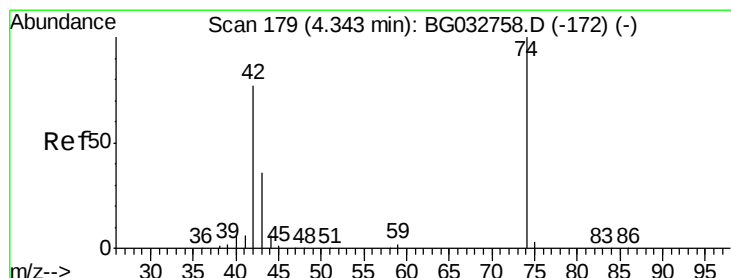
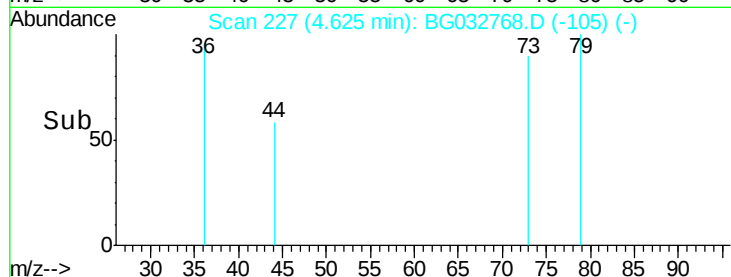
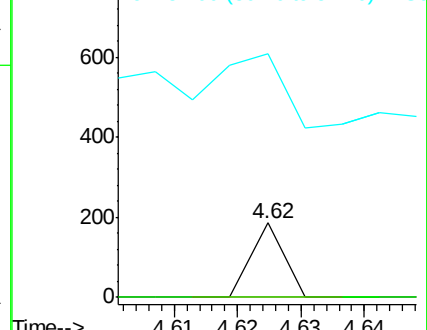
79 100

52 0.0 69.9 104.9#

51 326.9 34.0 51.0#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#4

n-Nitrosodimethylamine

Concen: 0.171 ng

RT: 4.31 min Scan# 174

Delta R.T. -0.03 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

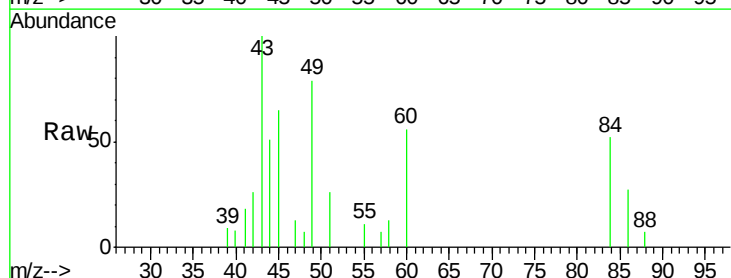
Tgt Ion: 42 Resp: 387

Ion Ratio Lower Upper

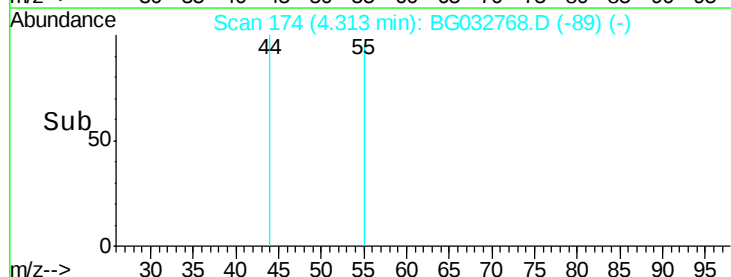
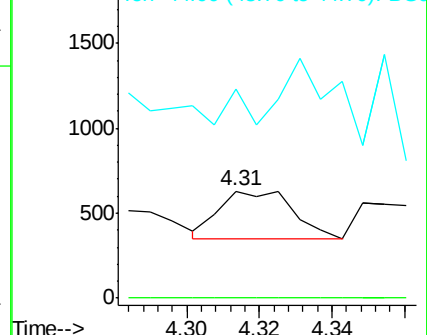
42 100

74 0.0 102.5 153.7#

44 195.9 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: 124.456 ng

RT: 6.34 min Scan# 519

Delta R.T. -0.00 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampled :

TP-2

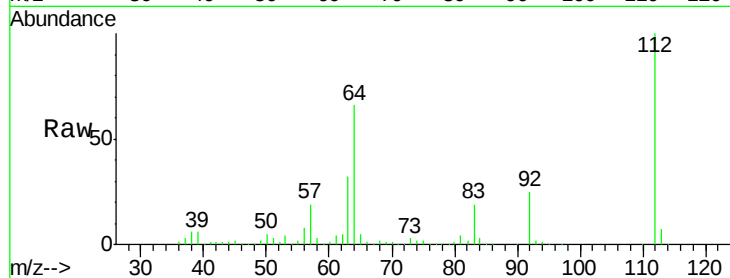
Tot Ion:112 Resp: 588381

Ion Ratio Lower Upper

112 100

64 66.1 56.3 84.5

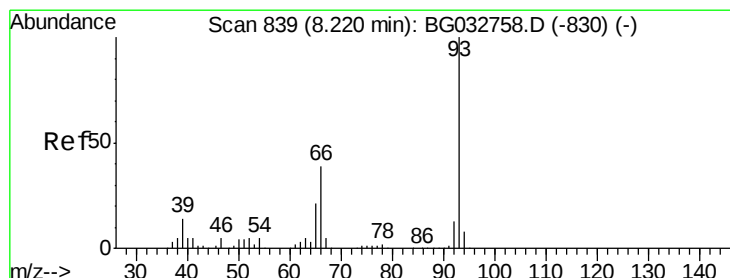
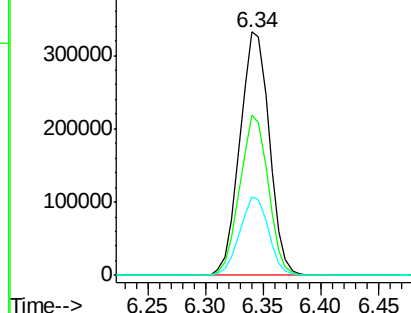
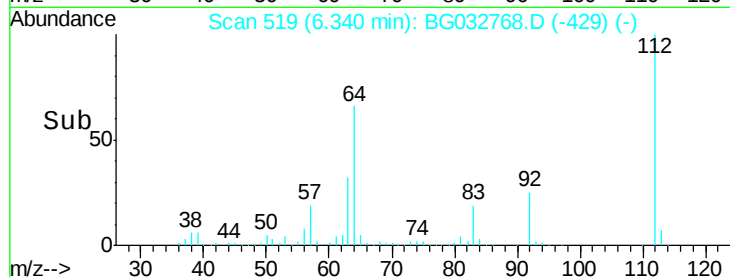
63 32.3 30.1 45.1



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: 0.103 ng

RT: 8.44 min Scan# 876

Delta R.T. 0.22 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

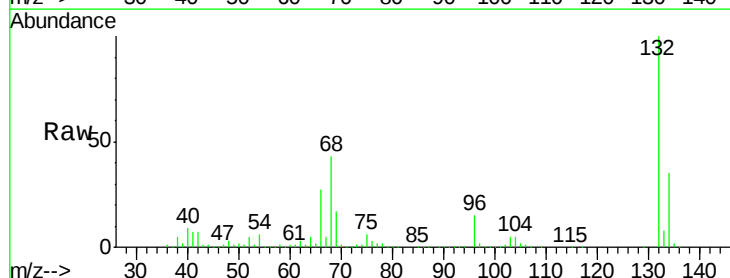
Tgt Ion: 93 Resp: 921

Ion Ratio Lower Upper

93 100

66 15511.1 33.7 50.5#

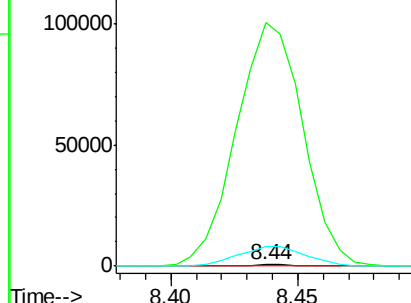
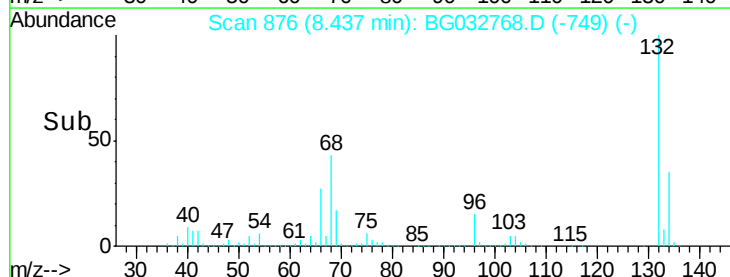
65 1278.5 16.1 24.1#



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: 104.874 ng

RT: 8.02 min Scan# 805

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampled :

TP-2

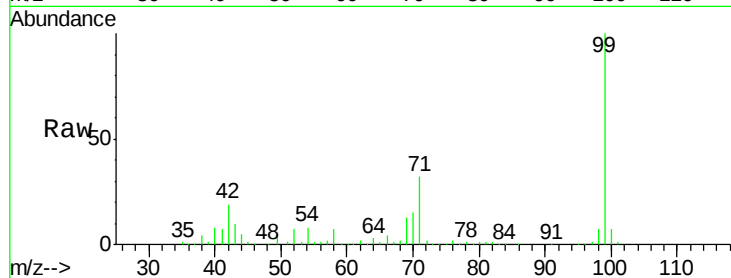
Tot Ion: 99 Resp: 691080

Ion Ratio Lower Upper

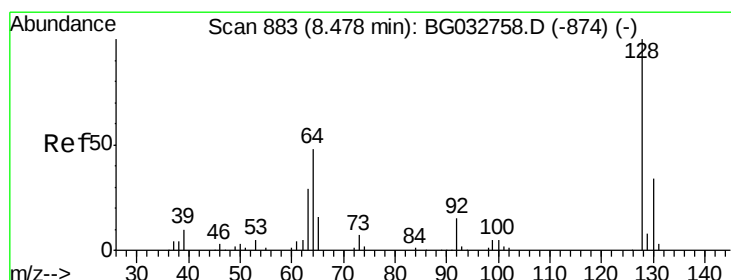
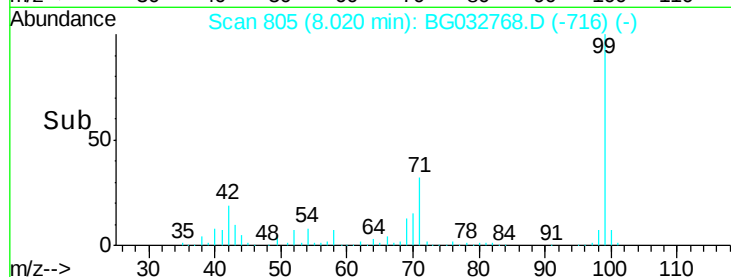
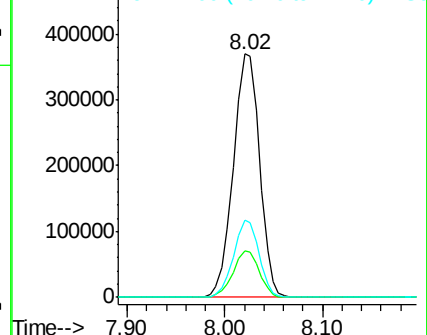
99 100

42 18.9 14.1 21.1

71 31.9 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: 0.010 ng

RT: 8.47 min Scan# 881

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

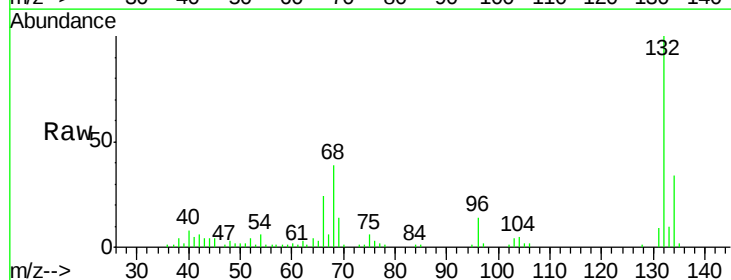
Tgt Ion:128 Resp: 54

Ion Ratio Lower Upper

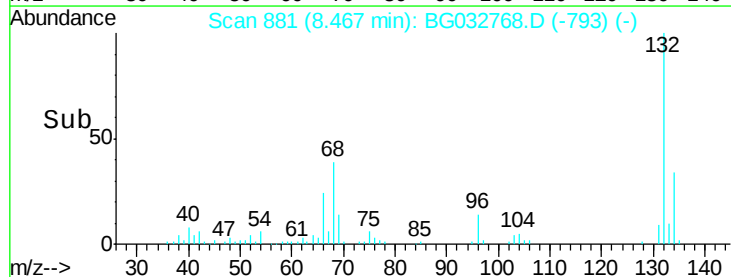
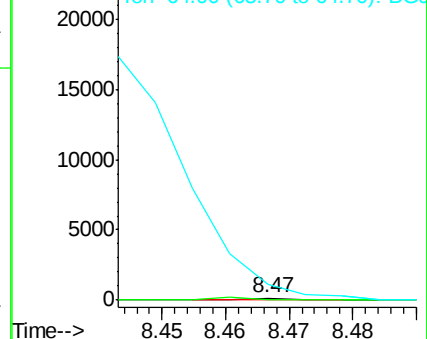
128 100

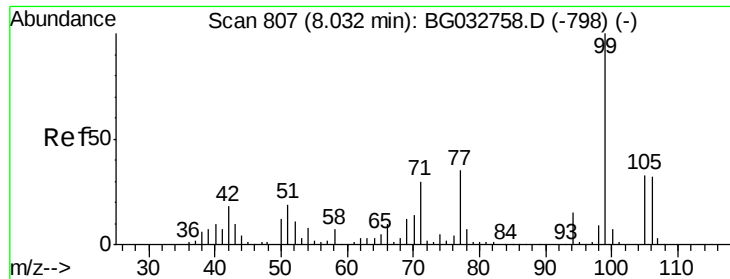
130 0.0 14.0 54.0#

64 728.6 37.7 77.7#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 130.00 (129.70 to 130.70): BGC
Ion 64.00 (63.70 to 64.70): BGC





#9

Benzaldehyde

Concen: 0.253 ng

RT: 8.03 min Scan# 806

Delta R.T. -0.01 min

Lab File: BG032768.D

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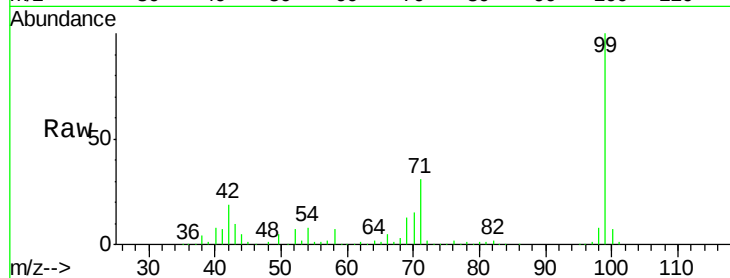
Tot Ion: 77 Resp: 960

Ion Ratio Lower Upper

77 100

105 0.0 71.3 111.3#

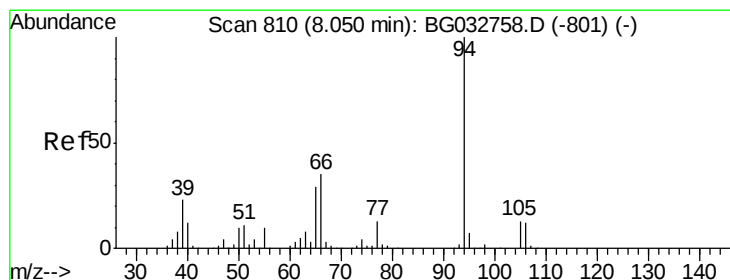
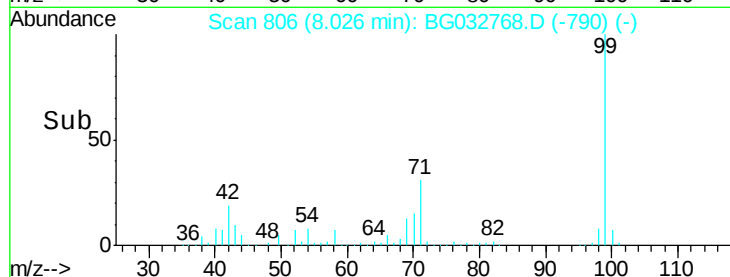
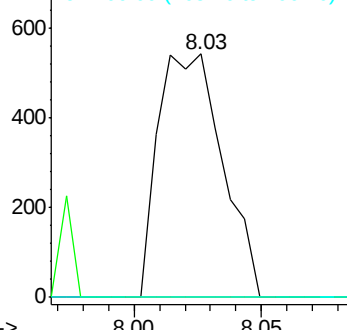
106 0.0 64.2 104.2#



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



#10

Phenol

Concen: 0.214 ng

RT: 8.44 min Scan# 876

Delta R.T. 0.39 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

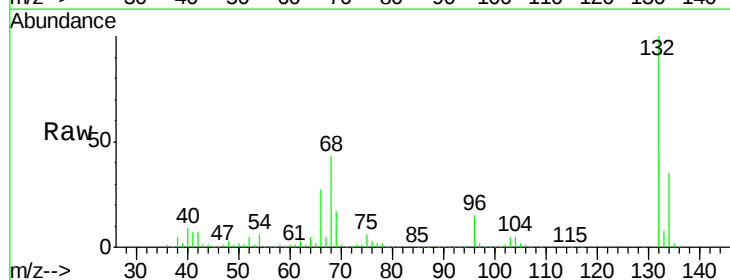
Tgt Ion: 94 Resp: 1421

Ion Ratio Lower Upper

94 100

65 1022.8 11.9 51.9#

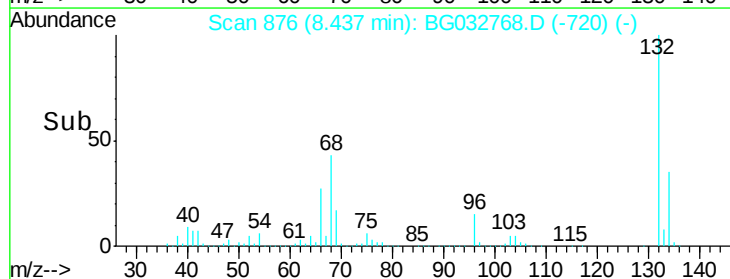
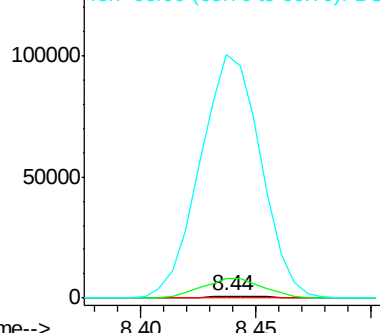
66 12408.9 22.2 62.2#

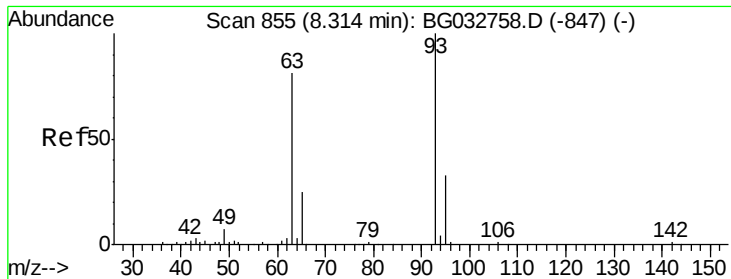


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

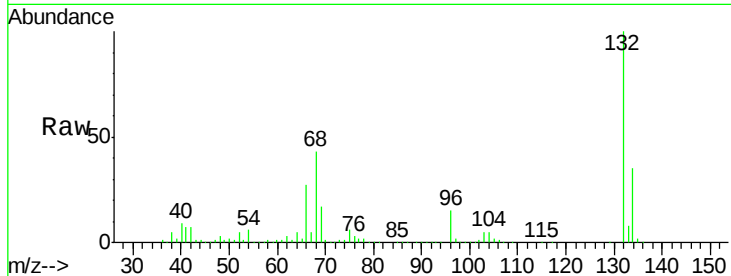




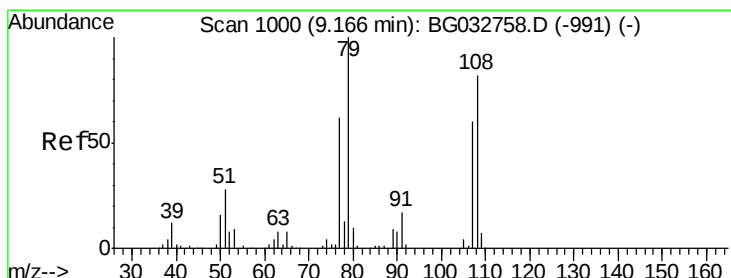
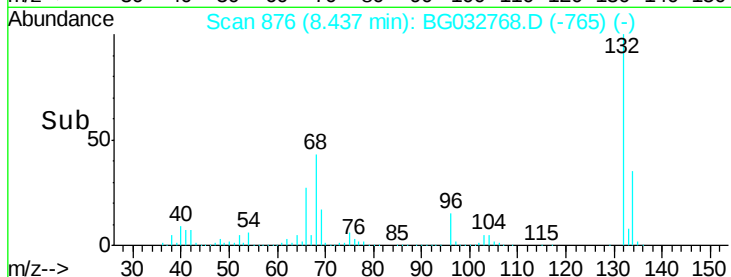
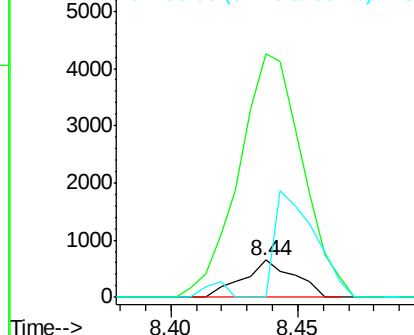
#11
bis(2-Chloroethyl)ether
Concen: 0.170 ng
RT: 8.44 min Scan# 876
Delta R.T. 0.12 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Instrument :
BNA_G
ClientSampled :
TP-2

Tot Ion: 93 Resp: 921
Ion Ratio Lower Upper
93 100
63 656.8 67.1 107.1#
95 0.0 11.5 51.5#

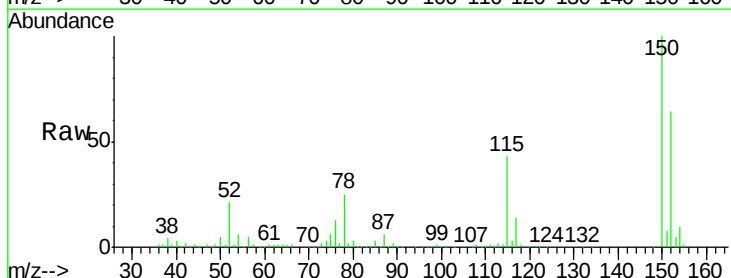


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC

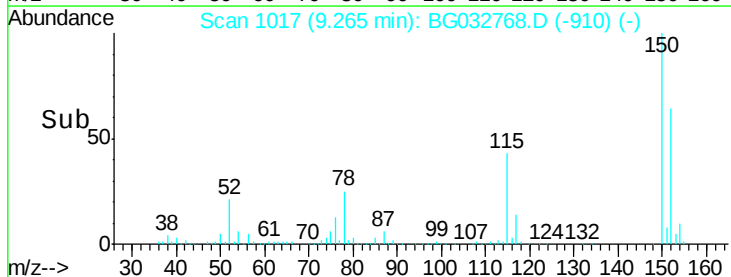
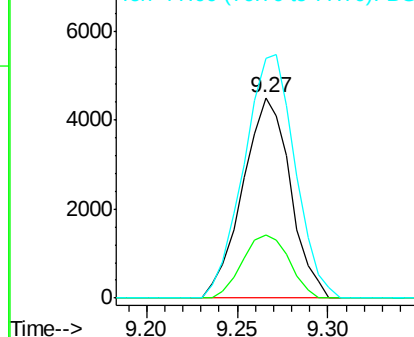


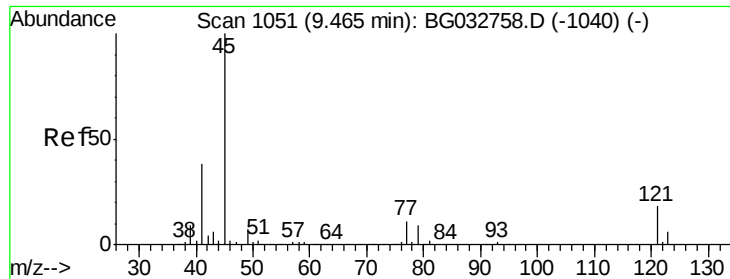
#15
Benzyl Alcohol
Concen: 1.704 ng
RT: 9.27 min Scan# 1017
Delta R.T. 0.10 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Tgt Ion: 79 Resp: 8257
Ion Ratio Lower Upper
79 100
108 31.7 57.2 85.8#
77 119.6 46.1 69.1#



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

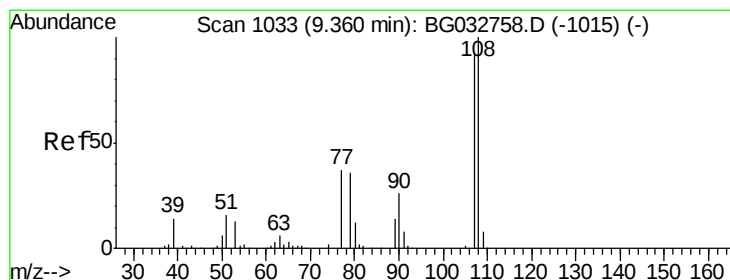
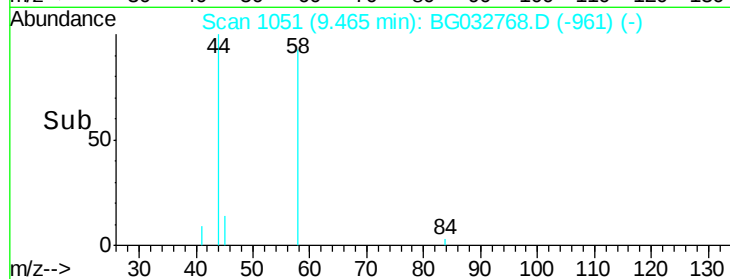
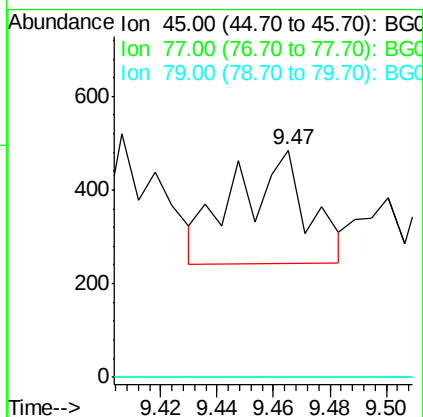
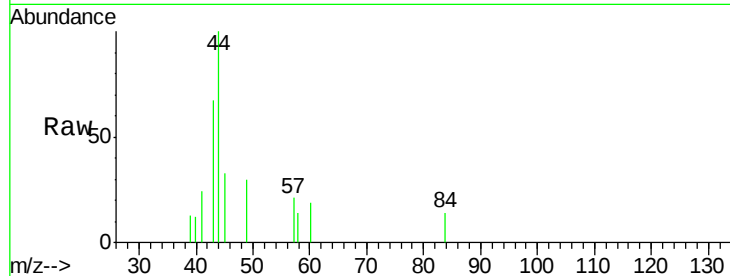




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.045 ng
RT: 9.47 min Scan# 1051
Delta R.T. -0.00 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

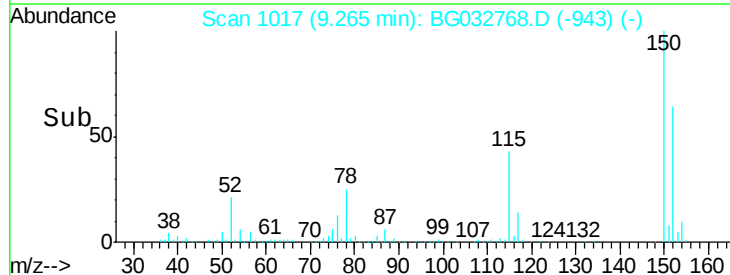
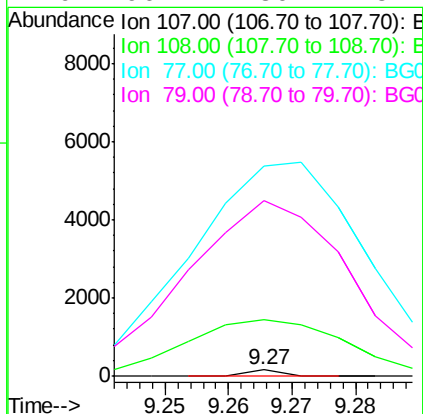
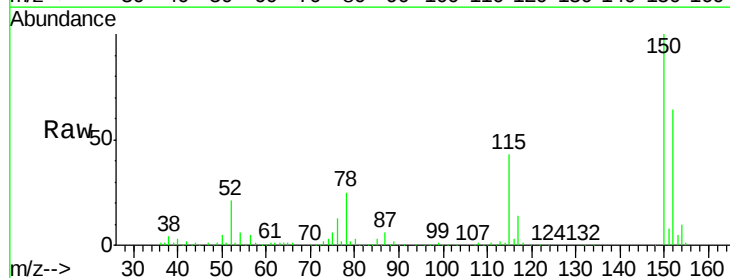
Instrument :
BNA_G
ClientSampleId :
TP-2

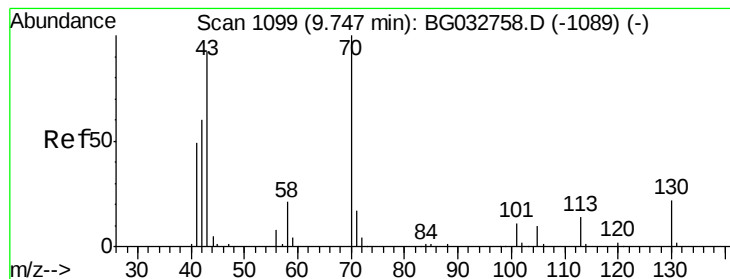
Tot Ion: 45 Resp: 424
Ion Ratio Lower Upper
45 100
77 0.0 0.0 30.2
79 0.0 0.0 27.9



#17
2-Methylphenol
Concen: 0.011 ng
RT: 9.27 min Scan# 1017
Delta R.T. -0.09 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Tgt Ion: 107 Resp: 54
Ion Ratio Lower Upper
107 100
108 939.5 83.9 125.9#
77 3540.8 37.2 55.8#
79 2961.2 36.2 54.2#





#19

n-Nitroso-di-n-propylamine

Concen: 13.904 ng

RT: 10.13 min Scan# 1164

Delta R.T. 0.38 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

Tot Ion: 70 Resp: 64682

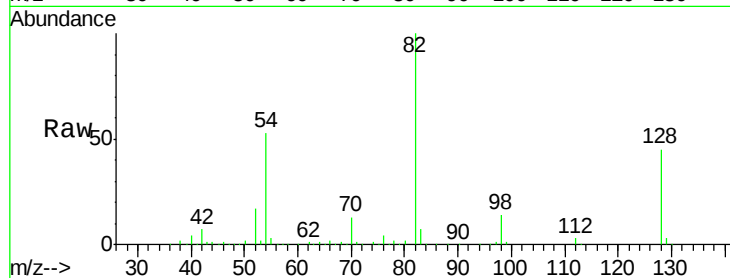
Ion Ratio Lower Upper

70 100

42 51.9 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

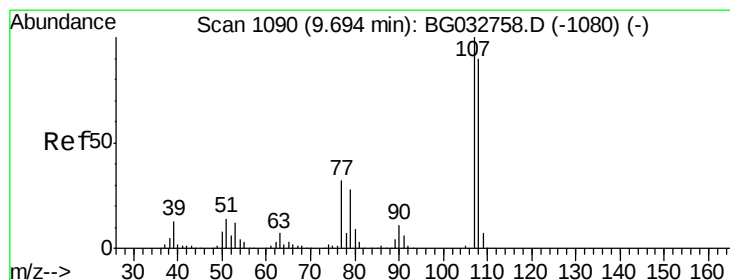
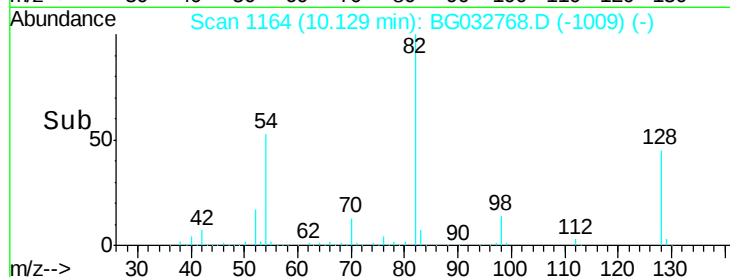
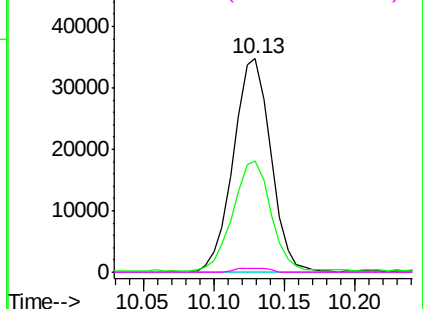


Abundance Ion 70.00 (69.70 to 70.70): BGC

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



#20

3+4-Methylphenols

Concen: 0.008 ng

RT: 9.27 min Scan# 1017

Delta R.T. -0.43 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Tgt Ion:107 Resp: 54

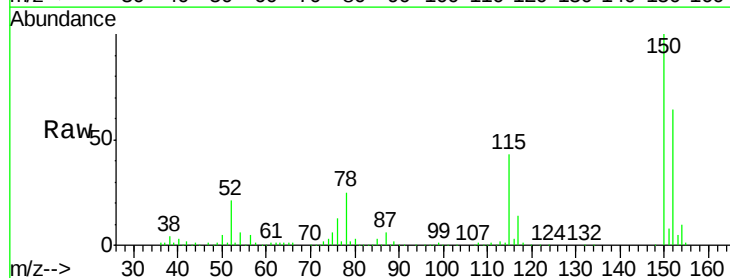
Ion Ratio Lower Upper

107 100

108 939.5 61.6 101.6#

77 3540.8 13.9 53.9#

79 2961.2 8.8 48.8#

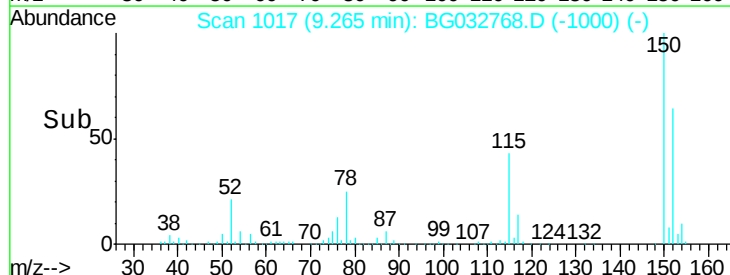
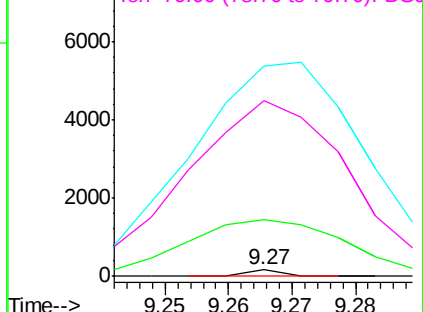


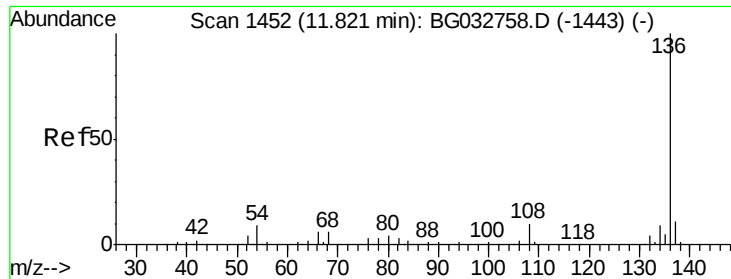
Abundance Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

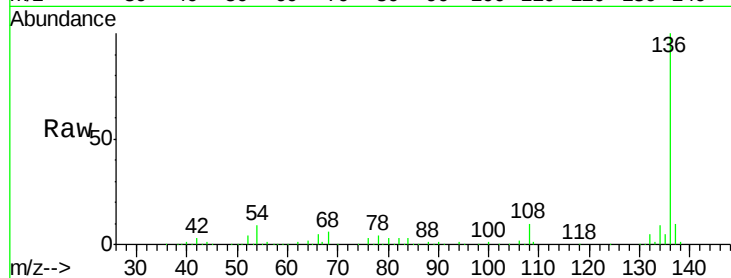




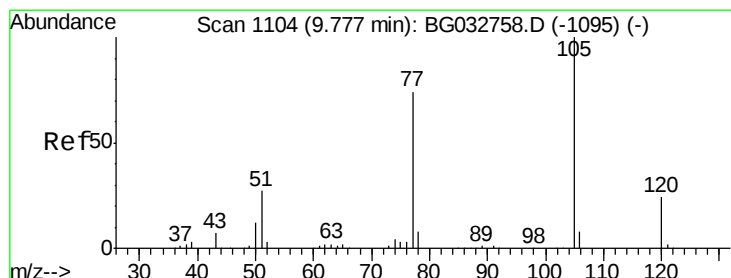
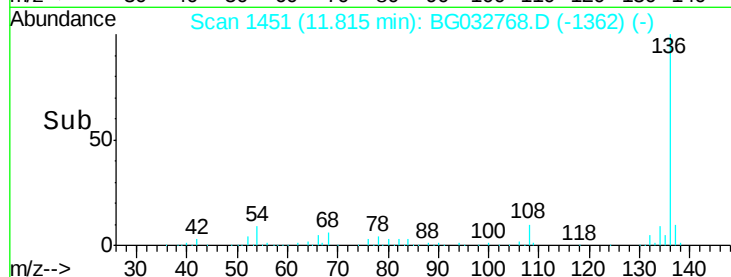
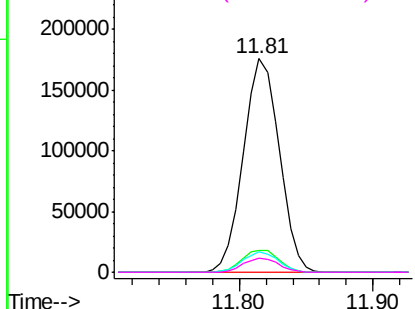
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.81 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Instrument :
BNA_G
ClientSampleId :
TP-2

Tot Ion:136	Resp:	327103
Ion	Ratio	Lower Upper
136	100	
137	10.5	9.2 13.8
54	9.5	10.3 15.5#
68	6.4	4.5 6.7

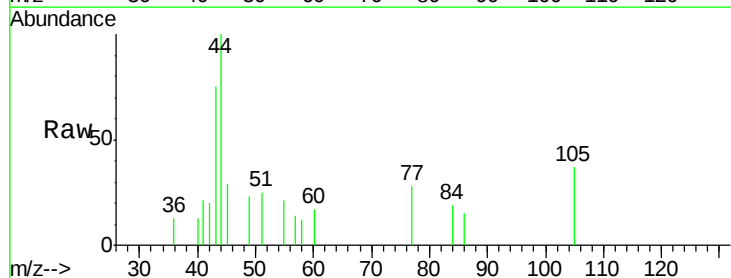


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

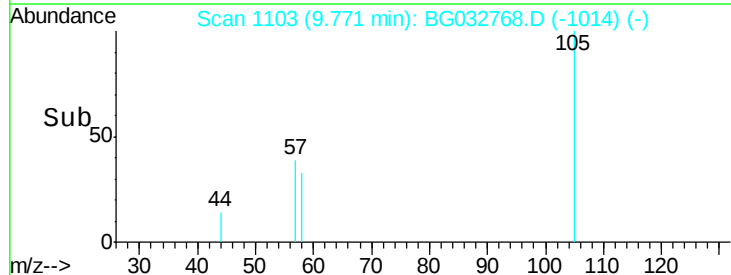
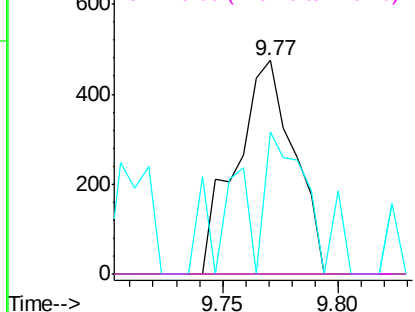


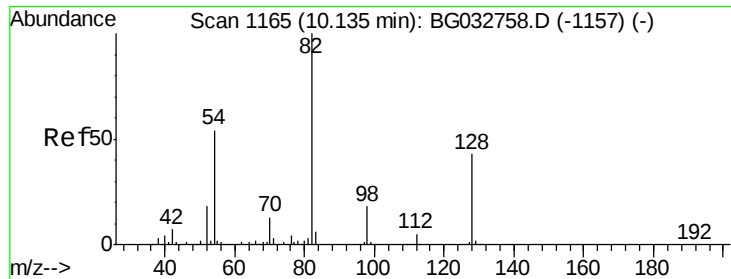
#22
Acetophenone
Concen: 0.100 ng
RT: 9.77 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Tgt Ion:105	Resp:	828
Ion	Ratio	Lower Upper
105	100	
71	0.0	3.0 4.4#
51	66.7	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): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

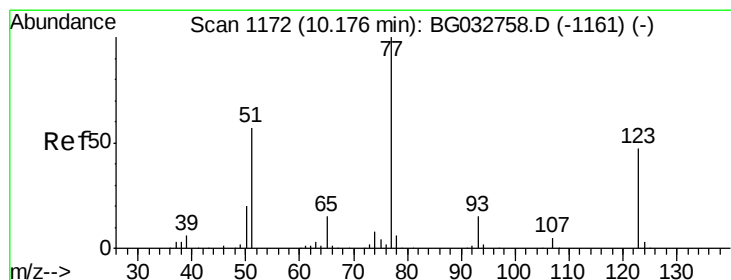
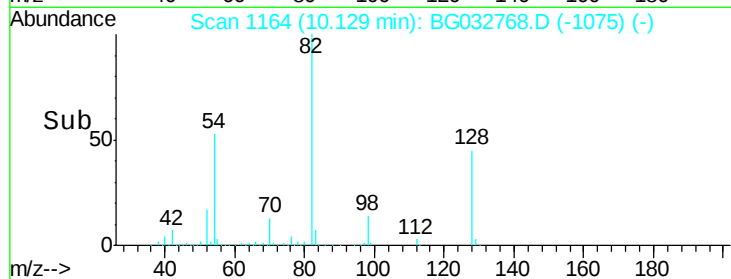
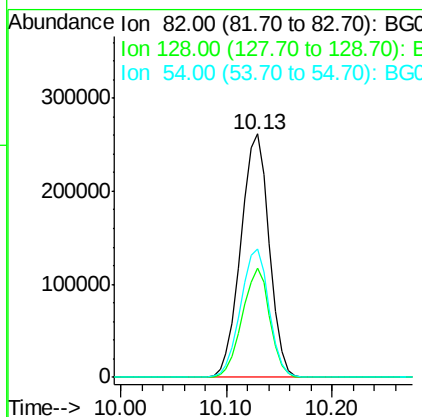
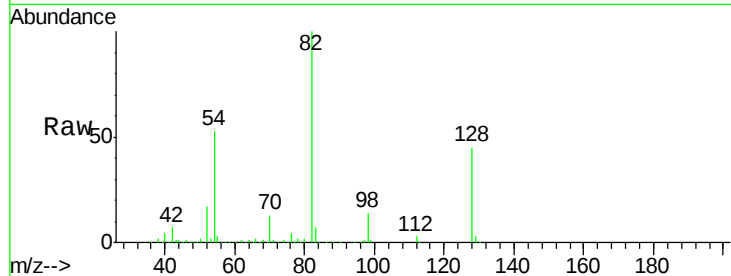




#23
 Nitrobenzene-d5
 Concen: 101.329 ng
 RT: 10.13 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

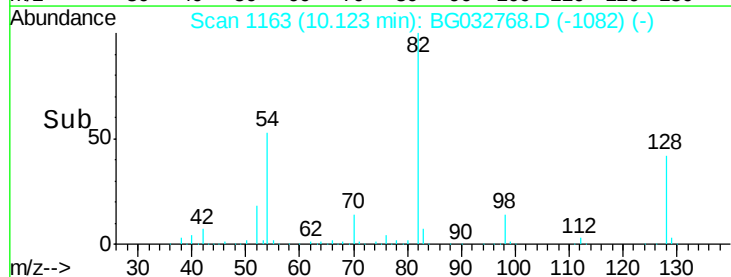
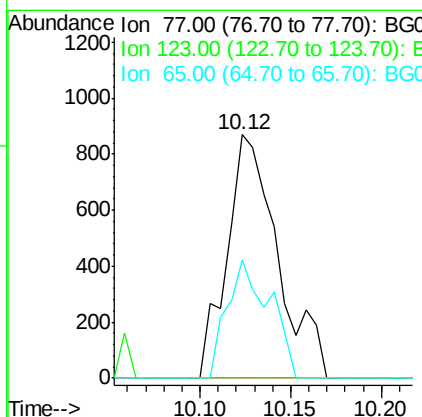
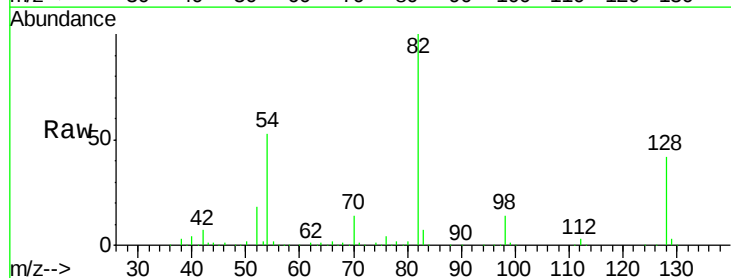
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

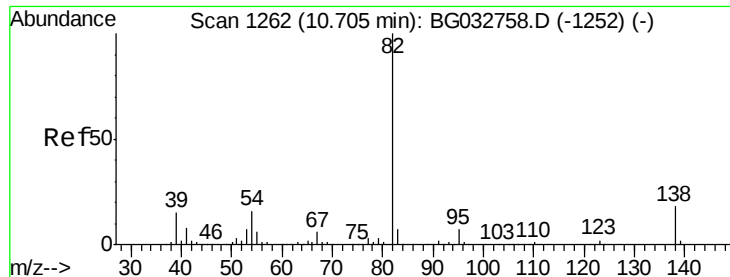
Tot Ion: 82 Resp: 487790
 Ion Ratio Lower Upper
 82 100
 128 44.7 29.7 44.5#
 54 52.8 43.1 64.7



#24
 Nitrobenzene
 Concen: 6.662 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. -0.05 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

Tgt Ion: 77 Resp: 1696
 Ion Ratio Lower Upper
 77 100
 123 0.0 33.0 49.6#
 65 48.7 13.0 19.6#





#25

Isophorone

Concen: 0.005 ng

RT: 10.74 min Scan# 1268

Delta R.T. 0.04 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

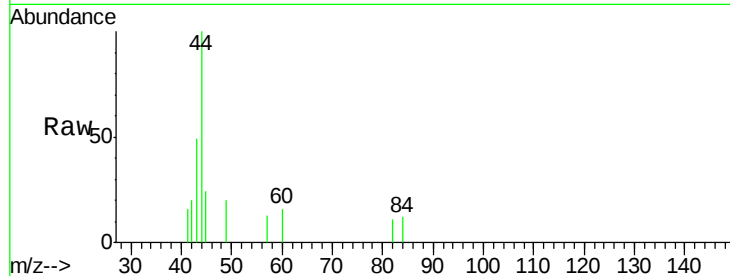
Tot Ion: 82 Resp: 59

Ion Ratio Lower Upper

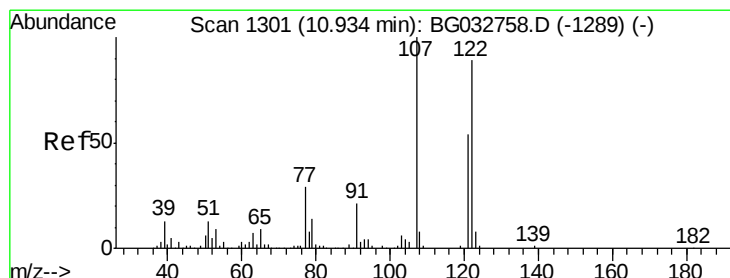
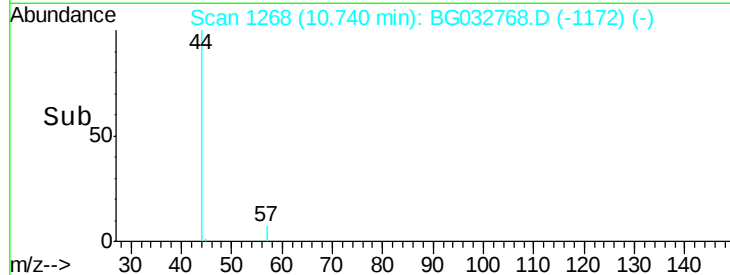
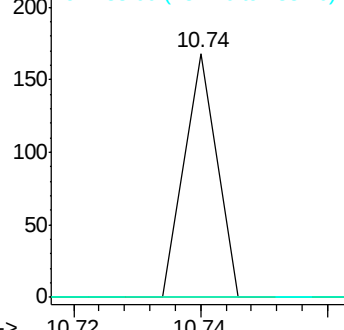
82 100

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



#27

2,4-Dimethylphenol

Concen: 0.011 ng

RT: 10.96 min Scan# 1305

Delta R.T. 0.02 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

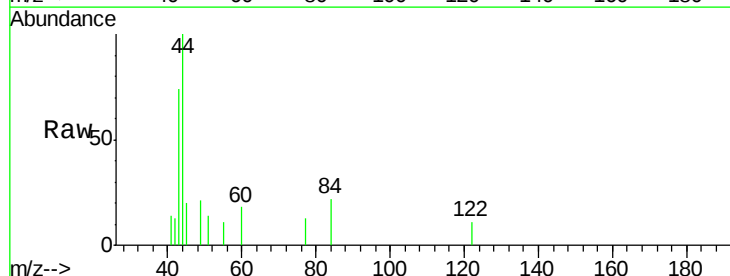
Tgt Ion: 122 Resp: 53

Ion Ratio Lower Upper

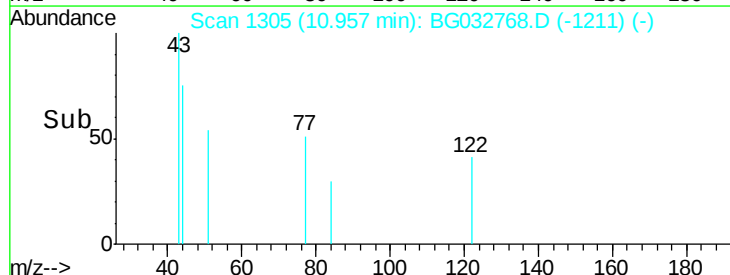
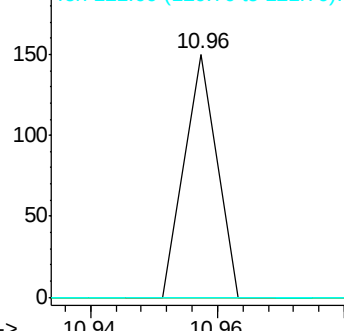
122 100

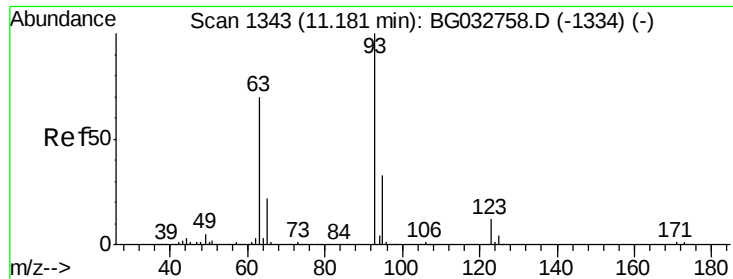
107 0.0 100.2 150.2#

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

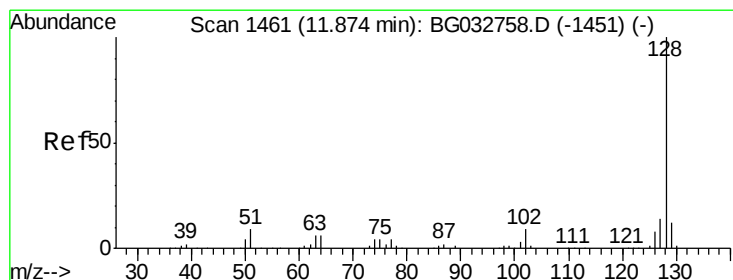
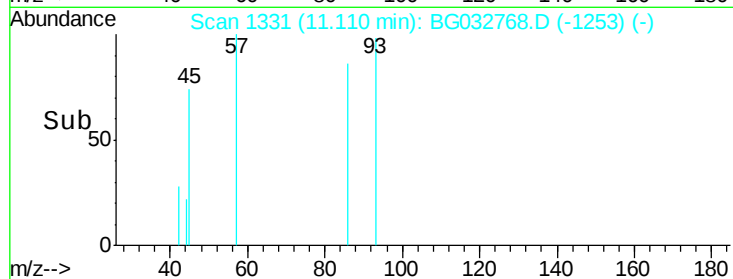
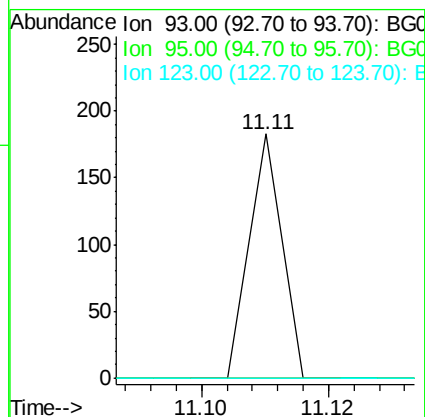
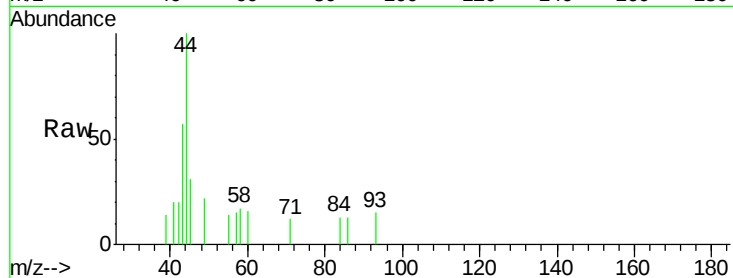




#28
bis(2-Chloroethoxy)methane
Concen: 0.010 ng
RT: 11.11 min Scan# 1331
Delta R.T. -0.07 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

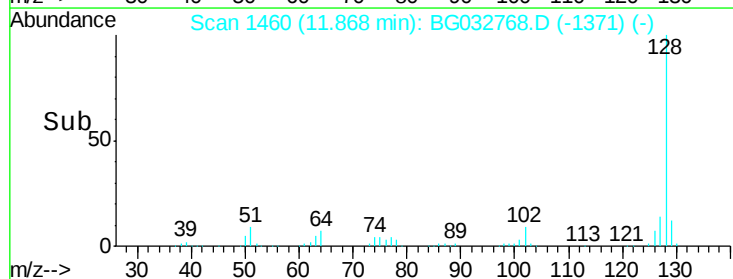
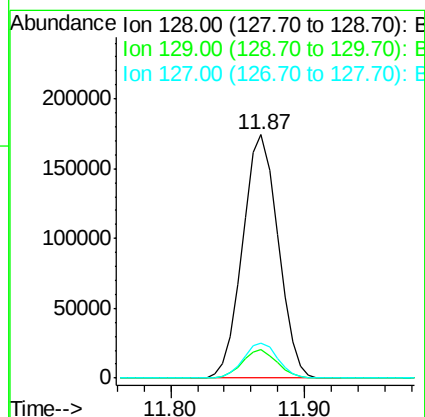
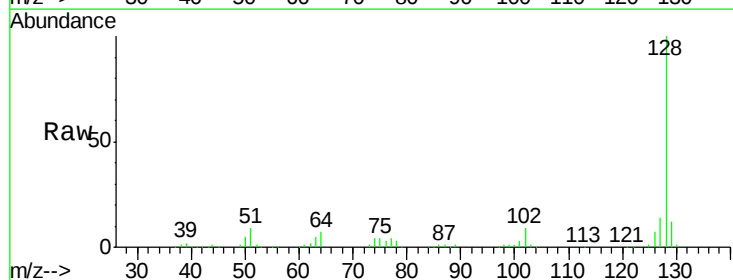
Instrument :
BNA_G
ClientSampleId :
TP-2

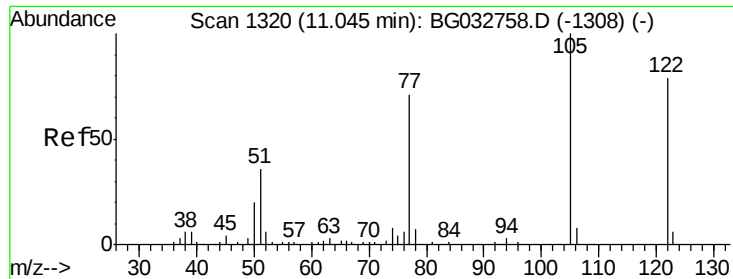
Tot Ion: 93 Resp: 65
Ion Ratio Lower Upper
93 100
95 0.0 24.3 36.5#
123 0.0 8.4 12.6#



#31
Naphthalene
Concen: 18.738 ng
RT: 11.87 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Tgt Ion: 128 Resp: 320270
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 14.1 11.6 17.4





#32

Benzoic acid

Concen: 5.835 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.09 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

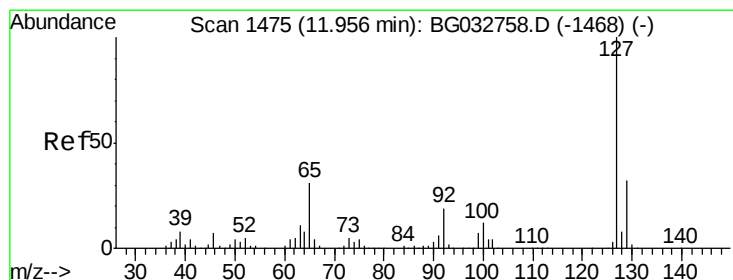
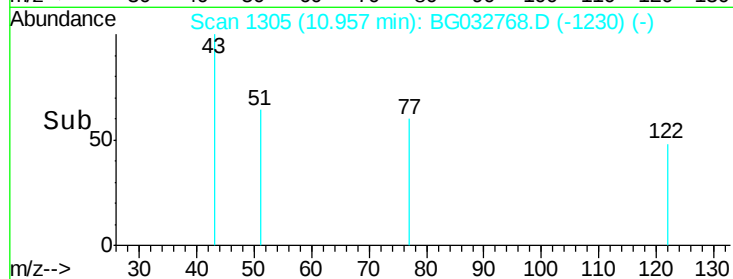
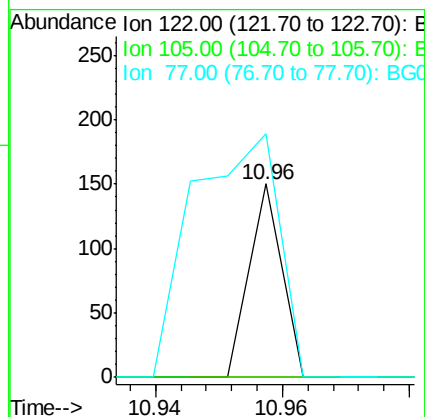
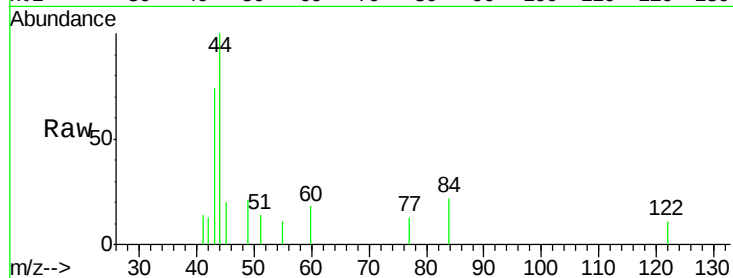
BNA_G

ClientSampleId :

TP-2

Tot Ion:122 Resp: 53

Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	126.0	85.7	125.7#



#33

4-Chloroaniline

Concen: 5.828 ng

RT: 11.87 min Scan# 1460

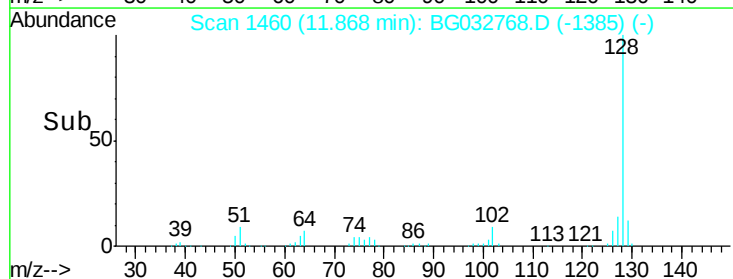
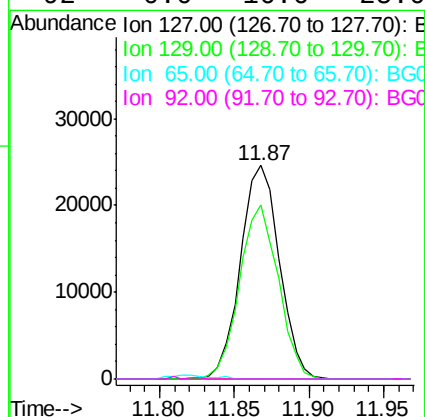
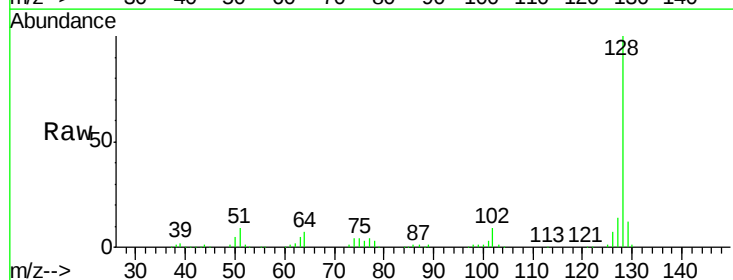
Delta R.T. -0.09 min

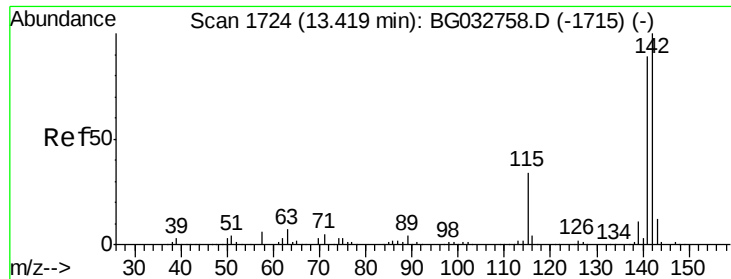
Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Tgt Ion:127 Resp: 44537

Ion	Ratio	Lower	Upper
127	100		
129	81.6	24.0	36.0#
65	0.0	27.0	40.4#
92	0.0	16.6	25.0#

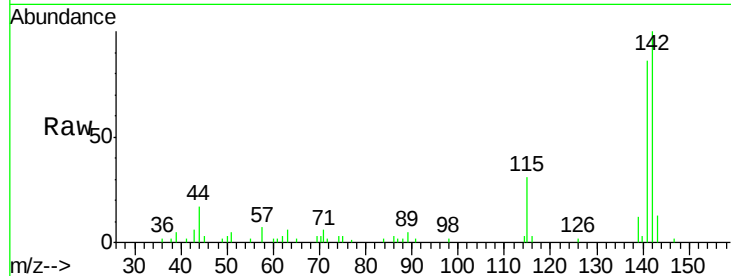




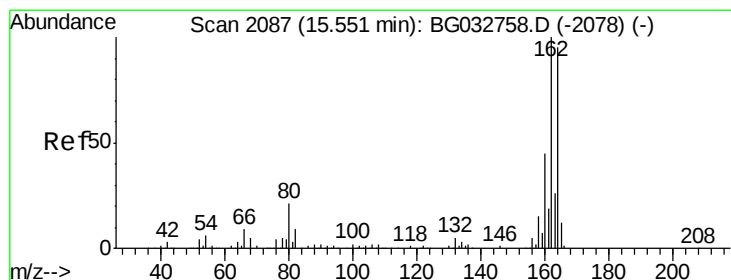
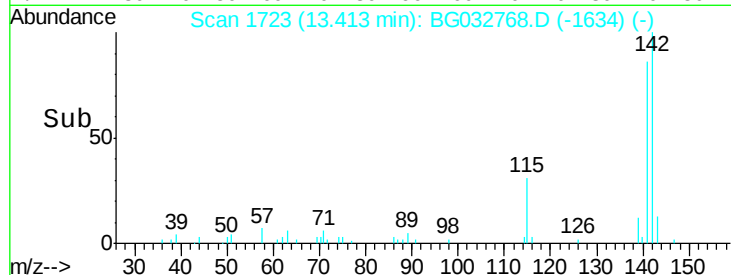
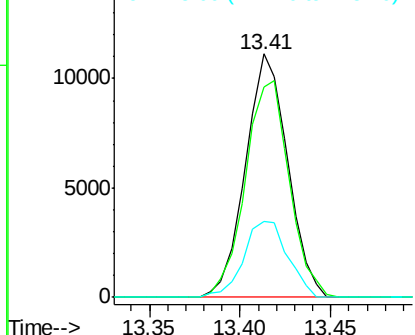
#37
 2-Methylnaphthalene
 Concen: 1.454 ng
 RT: 13.41 min Scan# 1723
 Delta R.T. -0.01 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

Instrument :
 BNA_G
 ClientSampled :
 TP-2

Tot Ion:142 Resp: 17981
 Ion Ratio Lower Upper
 142 100
 141 86.3 67.1 100.7
 115 31.3 30.7 46.1

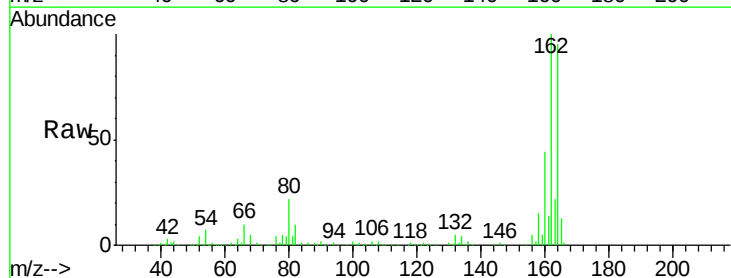


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

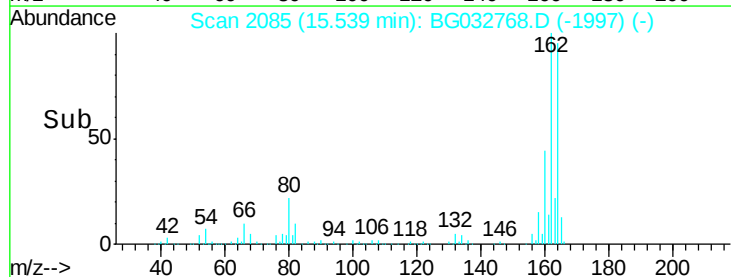
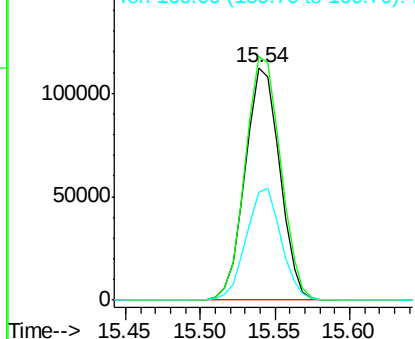


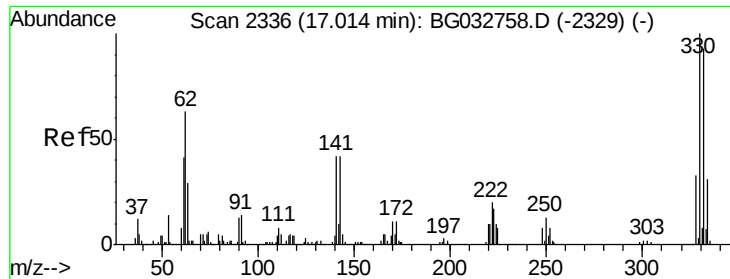
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

Tgt Ion:164 Resp: 179850
 Ion Ratio Lower Upper
 164 100
 162 104.9 78.8 118.2
 160 46.6 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: 149.811 ng

RT: 17.01 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

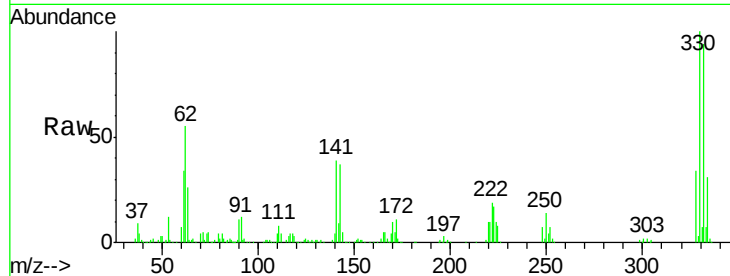
Tot Ion:330 Resp: 283301

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

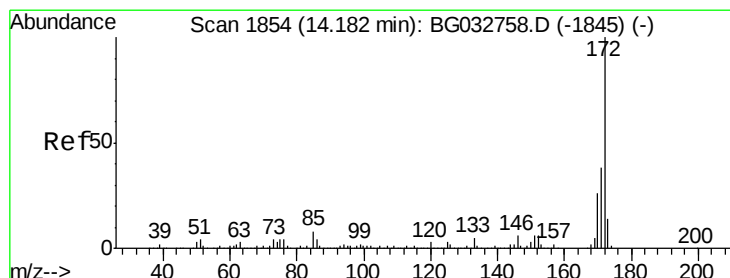
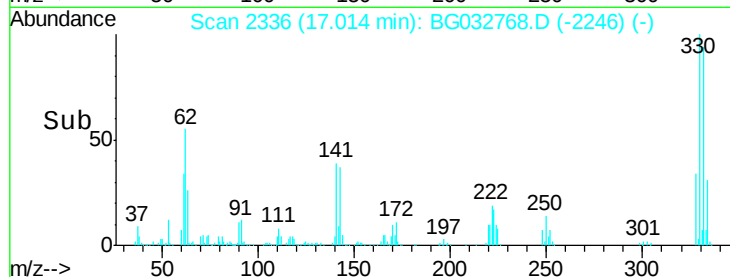
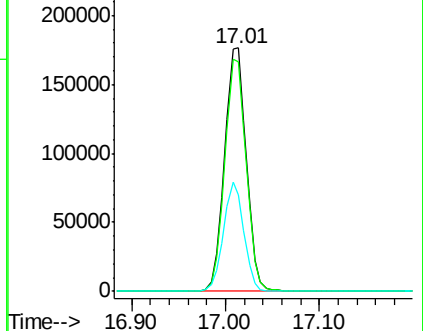
141 42.1 25.2 37.8#



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: 88.237 ng

RT: 14.18 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

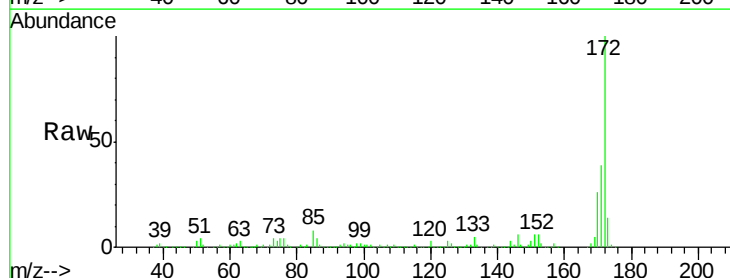
Tgt Ion:172 Resp: 1100324

Ion Ratio Lower Upper

172 100

171 38.6 30.0 45.0

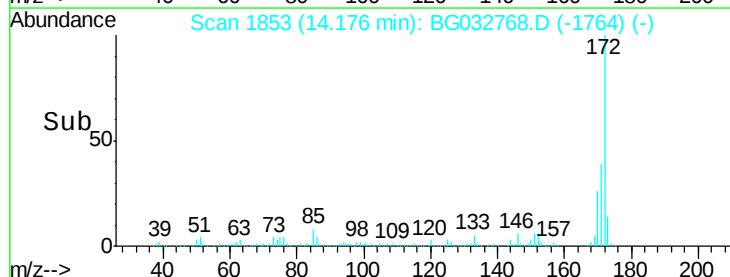
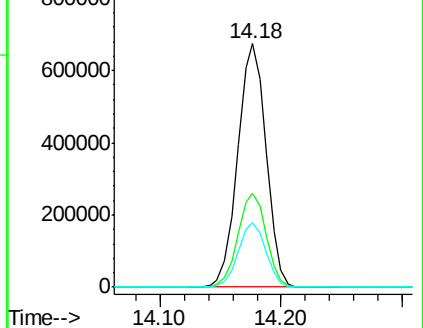
170 26.5 19.5 29.3

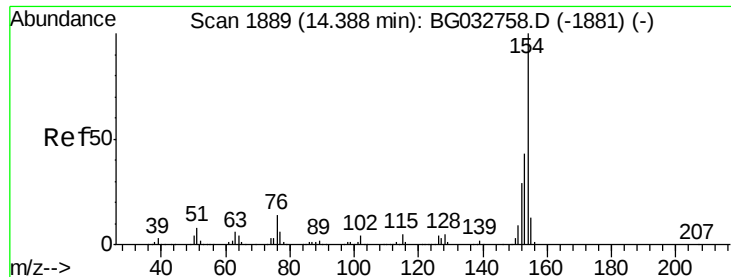


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.348 ng

RT: 14.38 min Scan# 1888

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

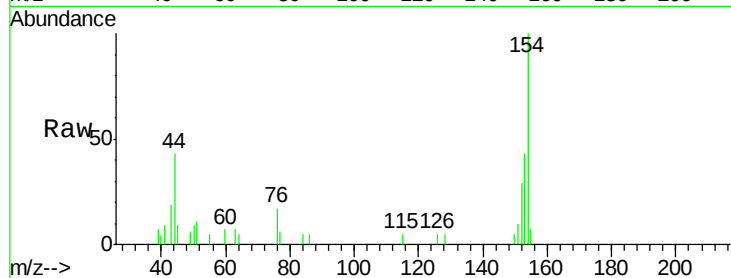
Tot Ion:154 Resp: 5467

Ion Ratio Lower Upper

154 100

153 43.2 19.8 59.8

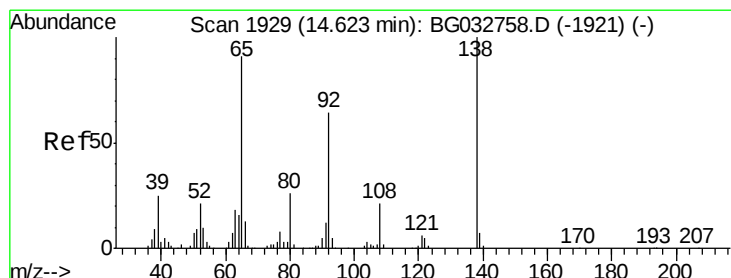
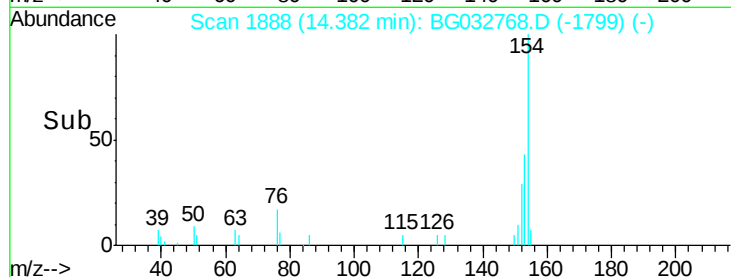
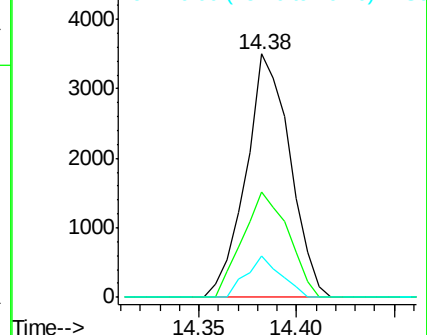
76 17.0 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BGC



#47

2-Nitroaniline

Concen: 10.370 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.45 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

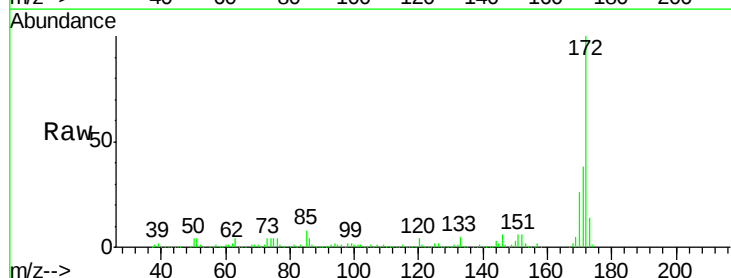
Tgt Ion: 65 Resp: 1989

Ion Ratio Lower Upper

65 100

92 217.0 54.6 82.0#

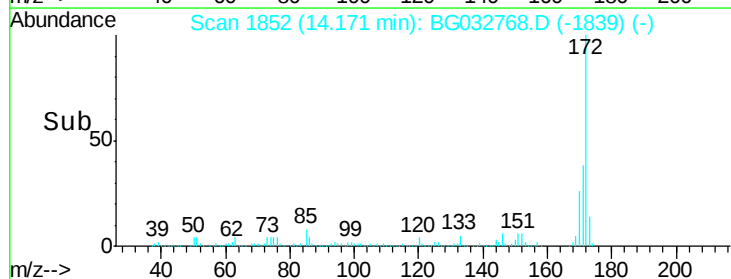
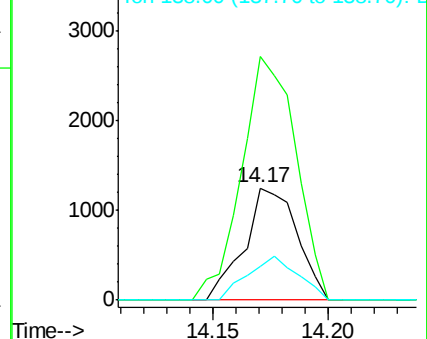
138 29.8 72.9 109.3#

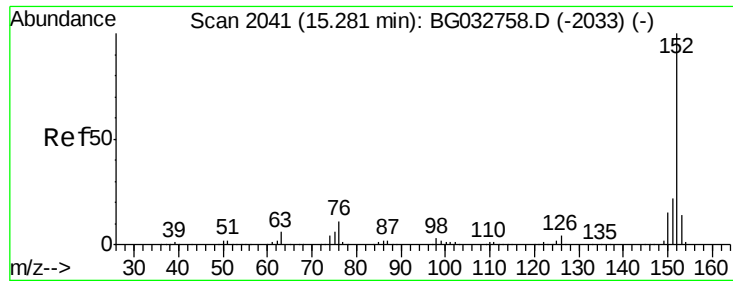


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 0.006 ng

RT: 15.27 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

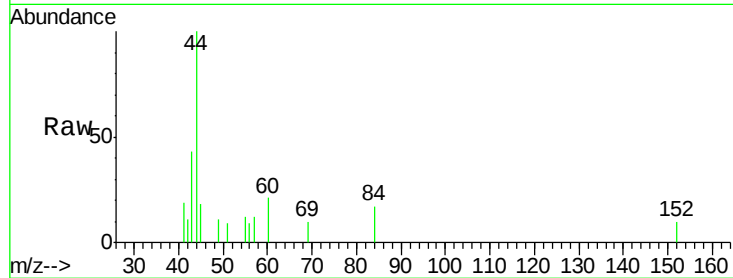
Tot Ion:152 Resp: 114

Ion Ratio Lower Upper

152 100

151 0.0 17.2 25.8#

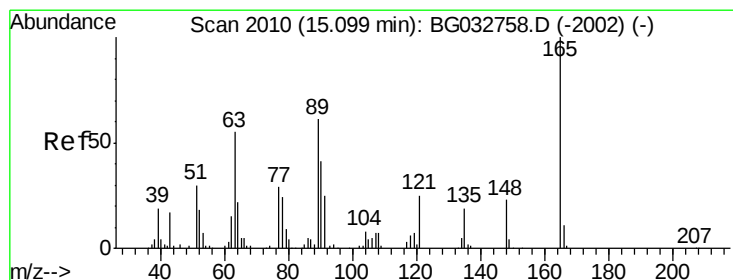
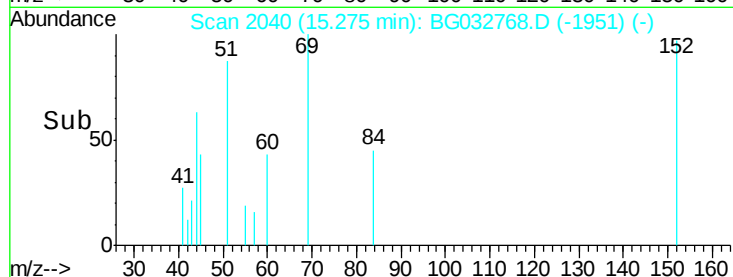
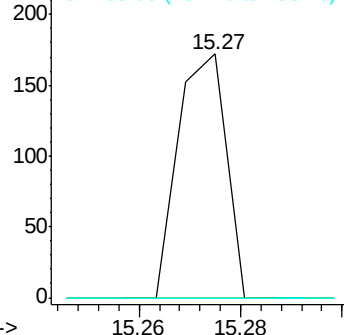
153 0.0 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 16.615 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.44 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

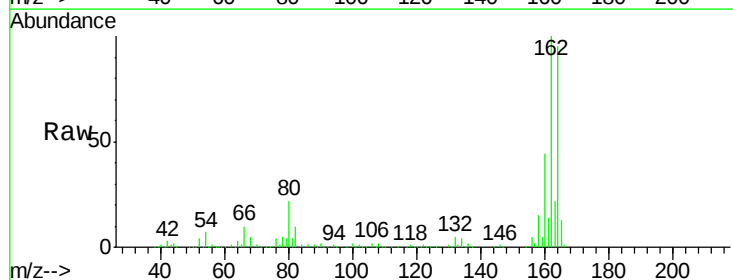
Tgt Ion:165 Resp: 23944

Ion Ratio Lower Upper

165 100

63 1.6 52.7 79.1#

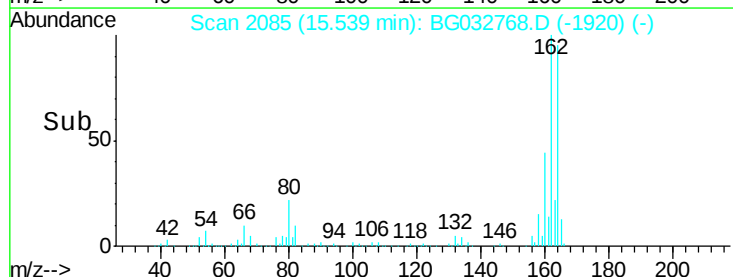
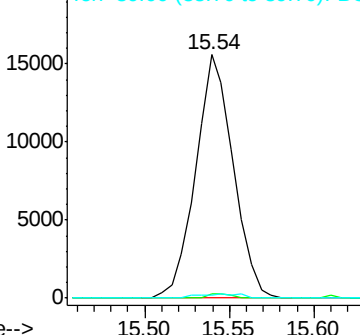
89 1.2 49.2 73.8#

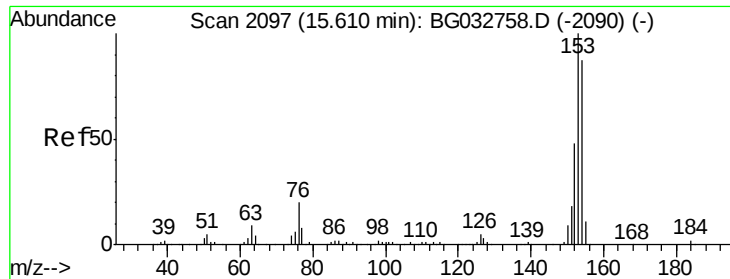


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#51

Acenaphthene

Concen: 0.141 ng

RT: 15.61 min Scan# 2097

Delta R.T. -0.00 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

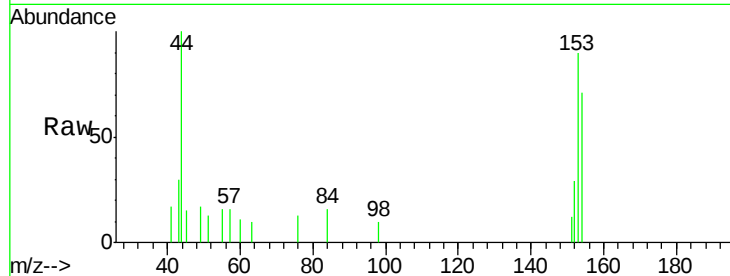
Tot Ion:154 Resp: 1692

Ion Ratio Lower Upper

154 100

153 127.3 90.4 135.6

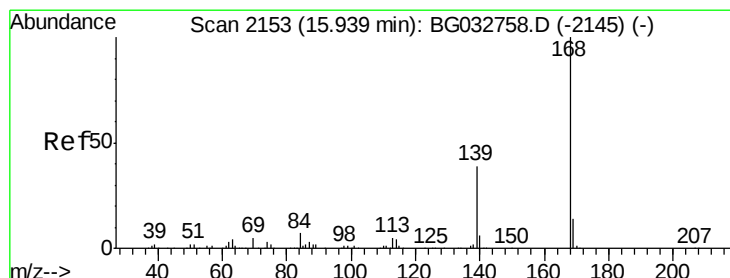
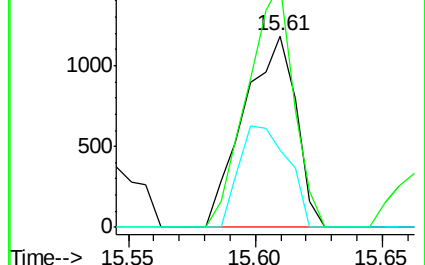
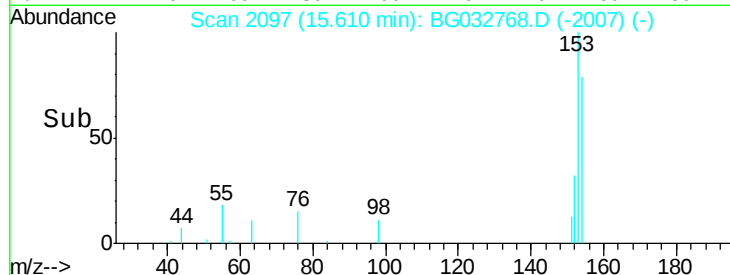
152 40.5 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 0.377 ng

RT: 15.93 min Scan# 2152

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

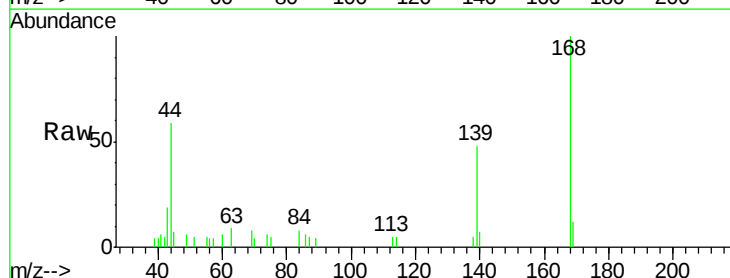
Tgt Ion:168 Resp: 6434

Ion Ratio Lower Upper

168 100

139 48.2 28.6 43.0#

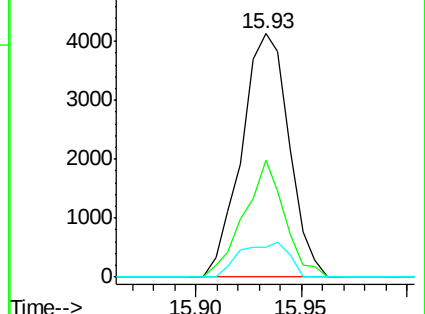
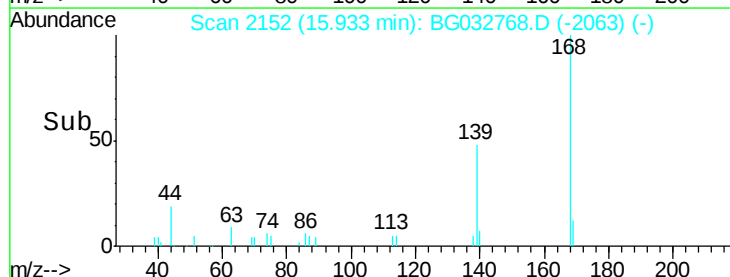
169 12.2 11.2 16.8

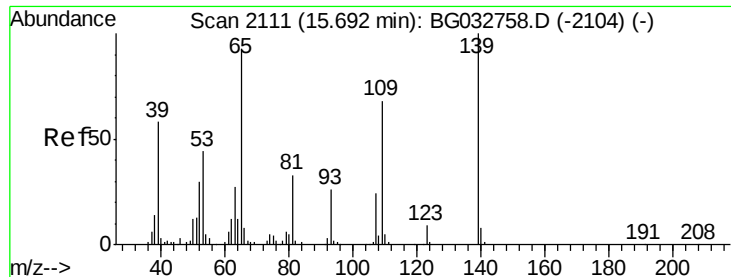


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

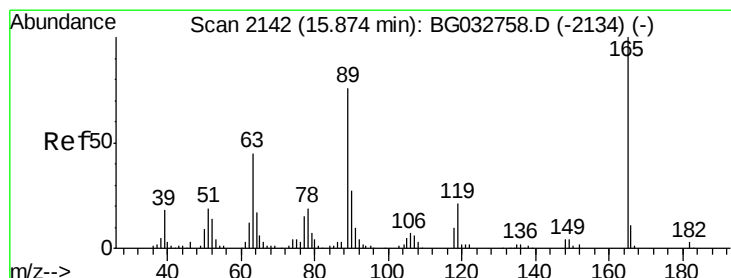
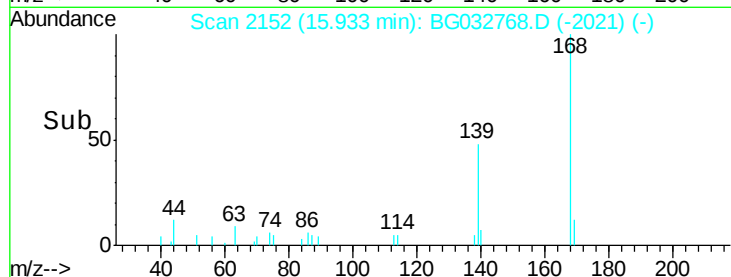
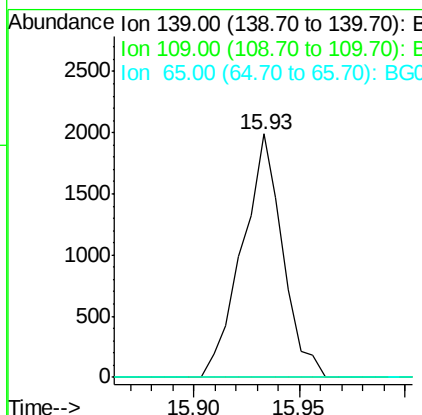
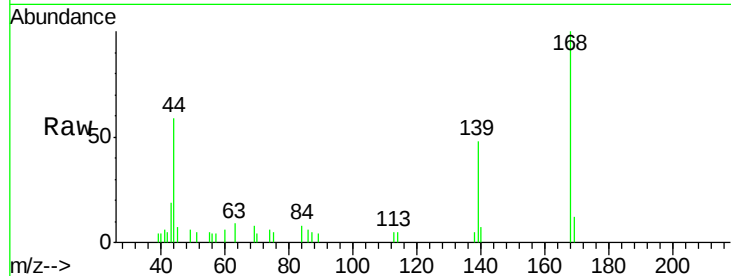




#55
4-Nitrophenol
Concen: 8.044 ng
RT: 15.93 min Scan# 2152
Delta R.T. 0.24 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

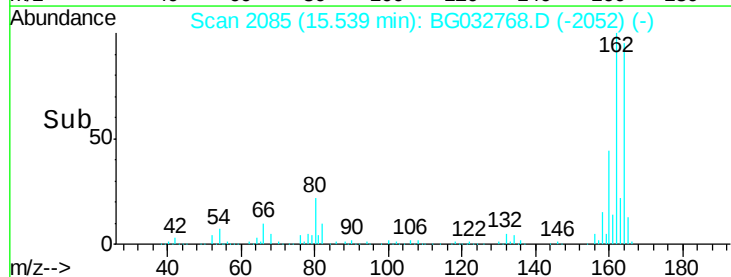
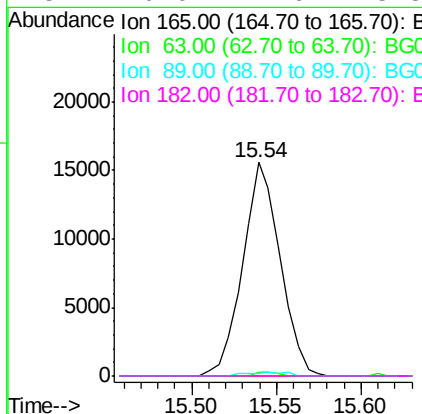
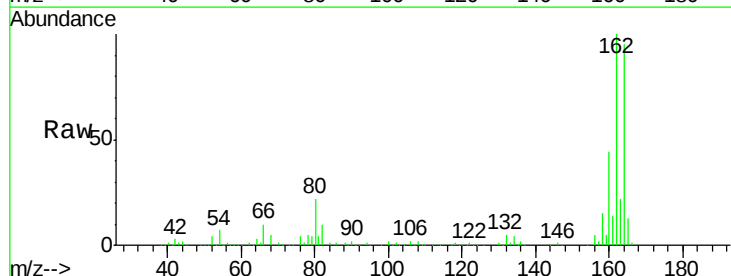
Instrument :
BNA_G
ClientSampleId :
TP-2

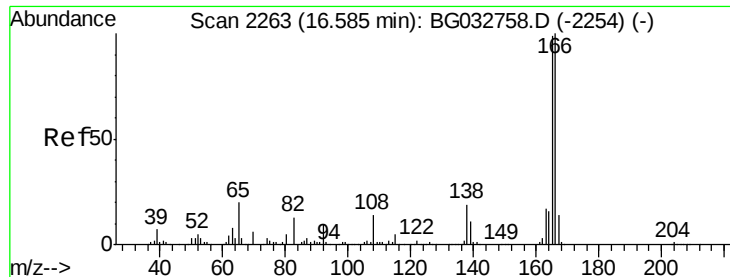
Tot Ion:139 Resp: 2642
Ion Ratio Lower Upper
139 100
109 0.0 62.2 102.2#
65 0.0 97.2 137.2#



#56
2,4-Dinitrotoluene
Concen: 14.814 ng
RT: 15.54 min Scan# 2085
Delta R.T. -0.33 min
Lab File: BG032768.D
Acq: 21 Feb 2018 20:20

Tgt Ion:165 Resp: 23944
Ion Ratio Lower Upper
165 100
63 1.6 42.0 63.0#
89 1.2 66.9 100.3#
182 0.0 2.6 3.8#





#57

Fluorene

Concen: 0.214 ng

RT: 16.58 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

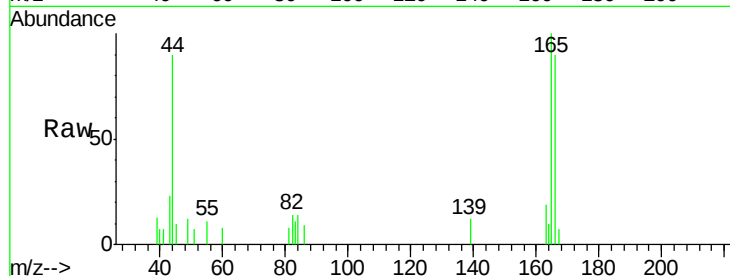
Tot Ion:166 Resp: 3006

Ion Ratio Lower Upper

166 100

165 111.6 80.6 121.0

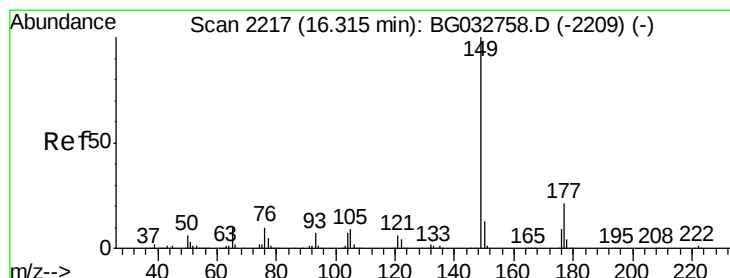
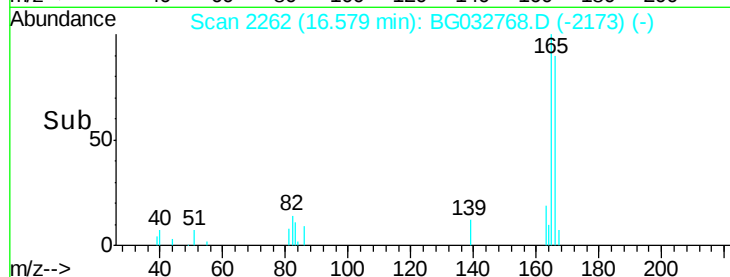
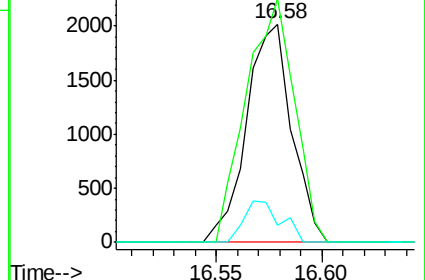
167 7.6 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#59

Diethylphthalate

Concen: 0.241 ng

RT: 16.31 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

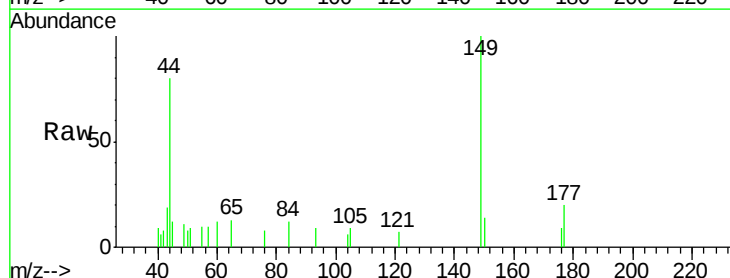
Tgt Ion:149 Resp: 3889

Ion Ratio Lower Upper

149 100

177 19.9 18.5 27.7

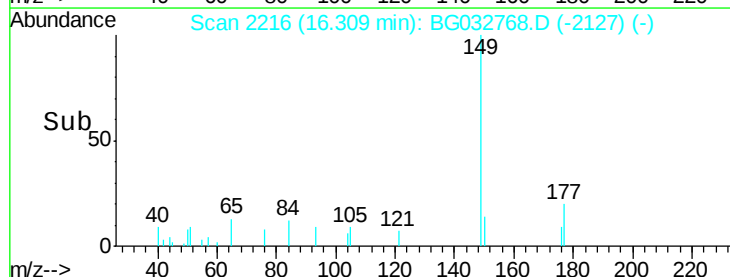
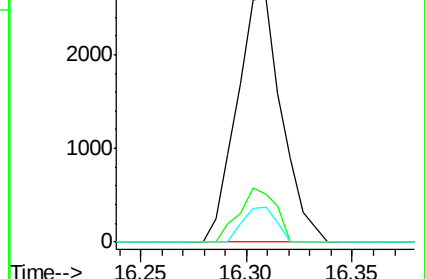
150 14.3 10.2 15.2

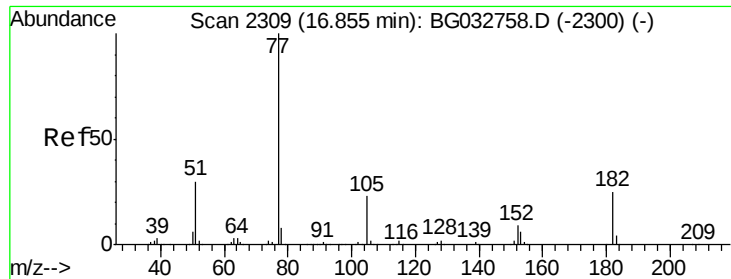


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#62

Azobenzene

Concen: 0.011 ng

RT: 16.87 min Scan# 2311

Delta R.T. 0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

Tot Ion: 77 Resp: 161

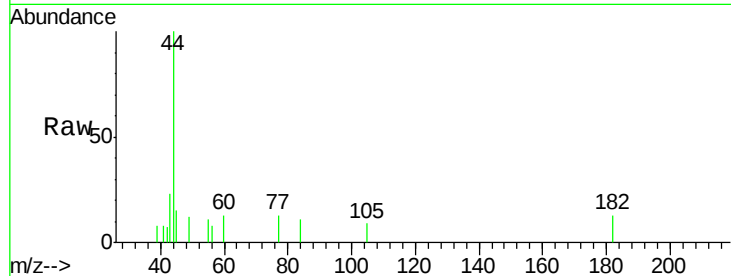
Ion Ratio Lower Upper

77 100

182 98.6 7.4 47.4#

105 66.0 0.3 40.3#

51 0.0 11.6 51.6#

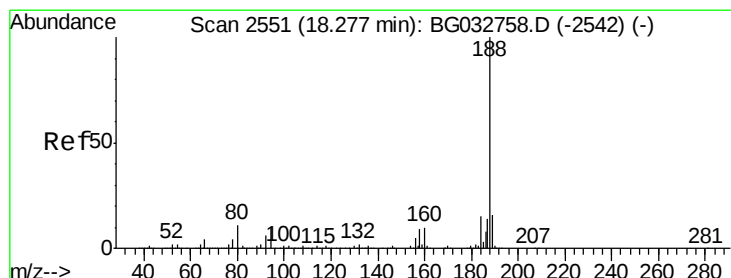
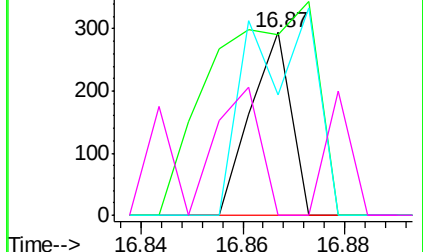
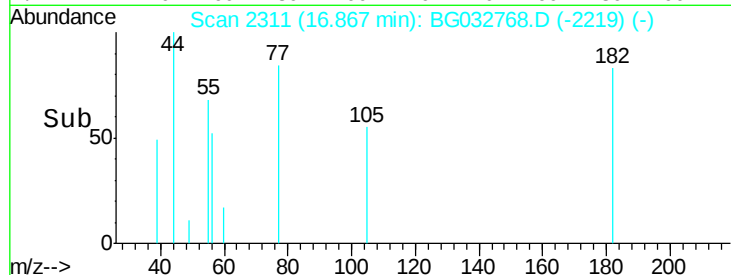


Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.27 min Scan# 2550

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

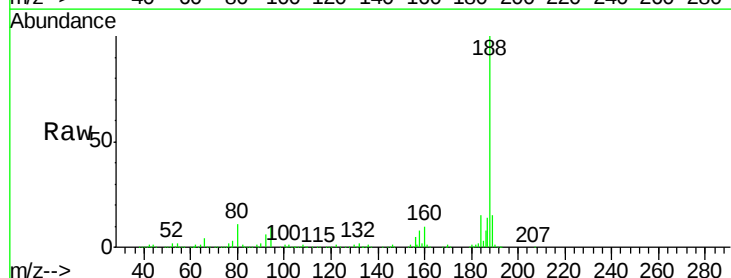
Tgt Ion: 188 Resp: 401668

Ion Ratio Lower Upper

188 100

94 10.3 6.9 10.3#

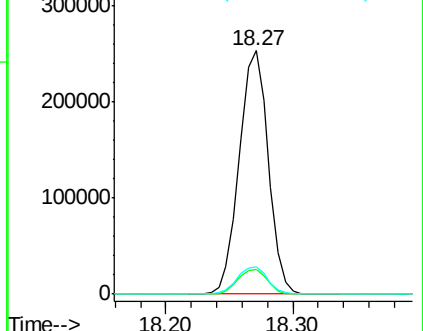
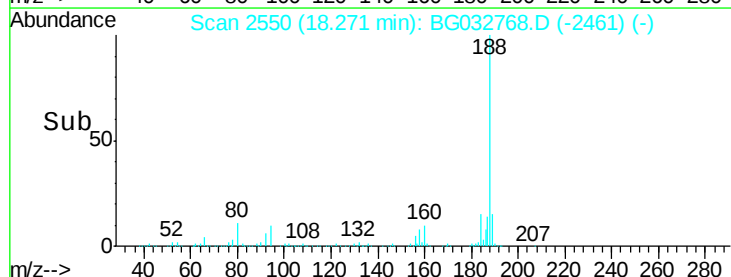
80 11.4 7.7 11.5

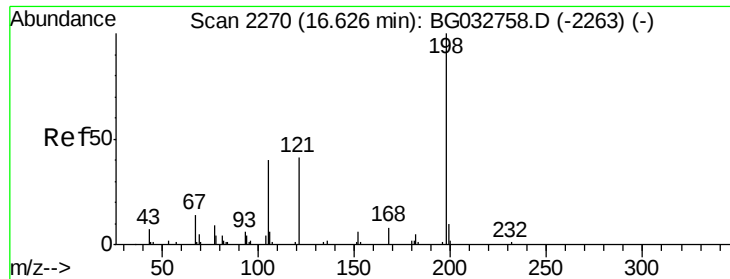


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

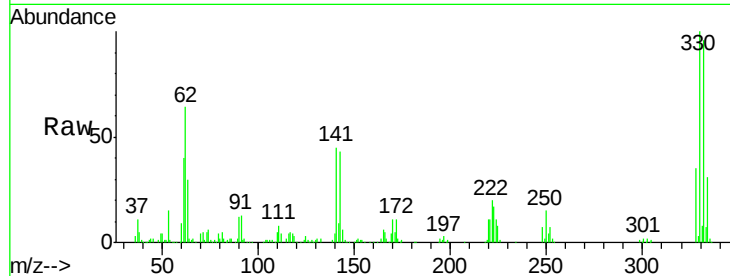




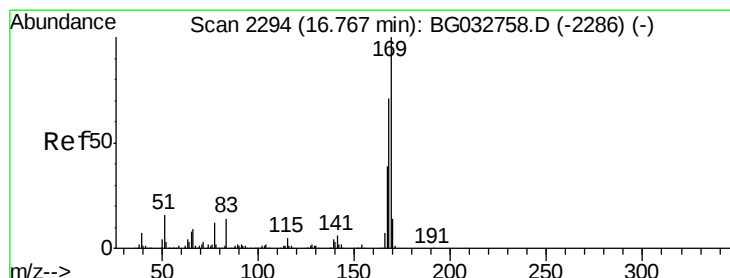
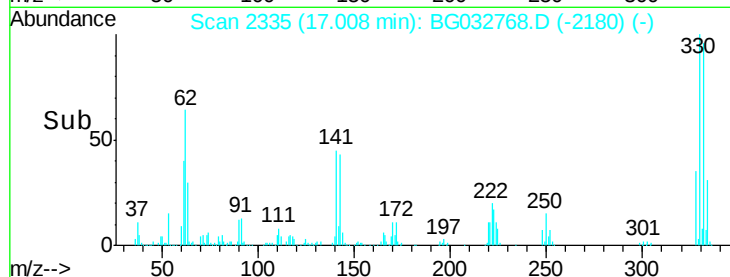
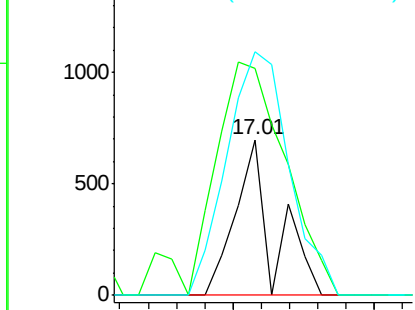
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.644 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. 0.38 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

Instrument :
 BNA_G
 ClientSampled :
 TP-2

Tot Ion:198 Resp: 657
 Ion Ratio Lower Upper
 198 100
 51 145.9 30.6 70.6#
 105 156.8 23.8 63.8#

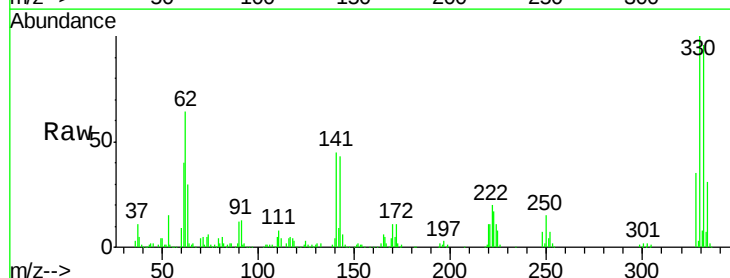


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

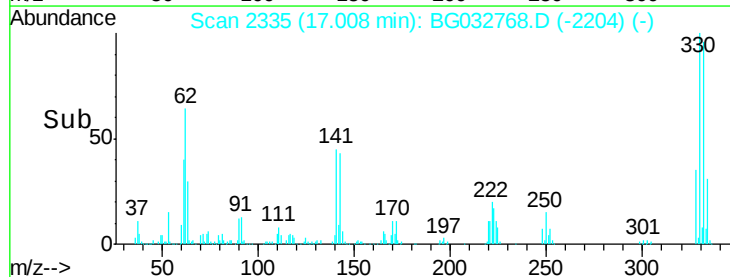
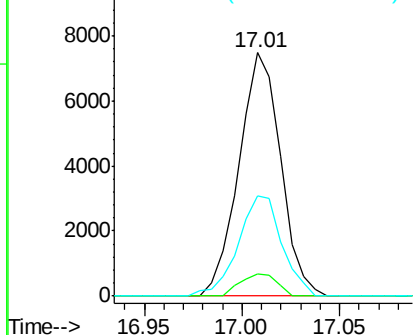


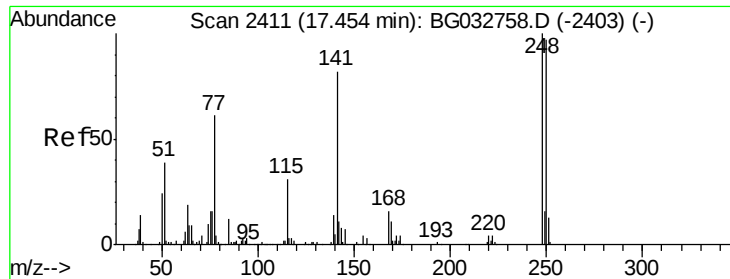
#65
 n-Nitrosodiphenylamine
 Concen: 0.847 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. 0.24 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

Tgt Ion:169 Resp: 11065
 Ion Ratio Lower Upper
 169 100
 168 9.1 55.7 83.5#
 167 41.2 30.1 45.1



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

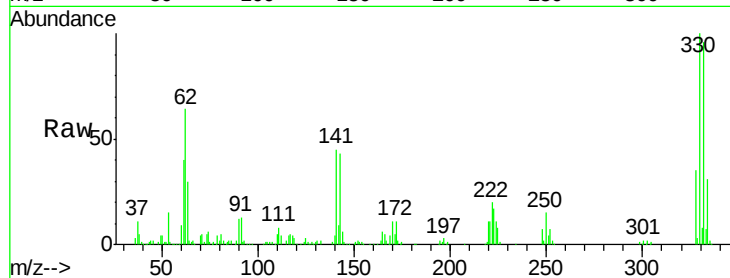




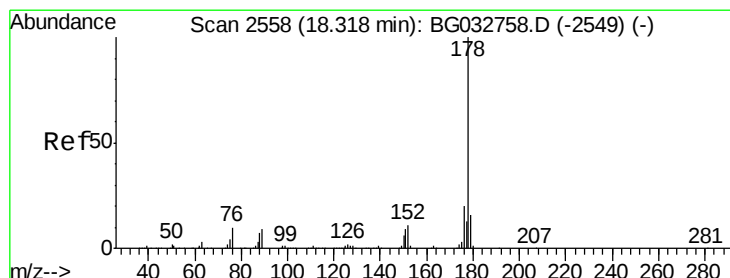
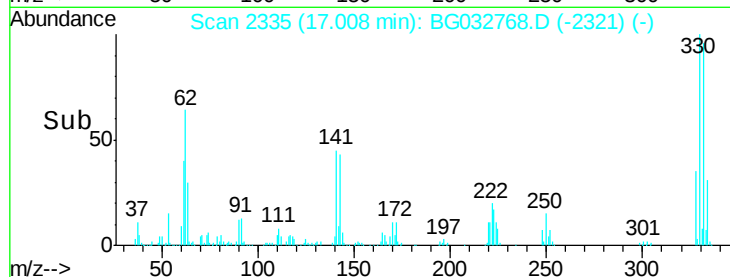
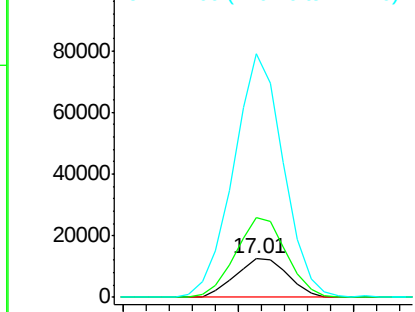
#66
 4-Bromophenyl-phenylether
 Concen: 4.679 ng
 RT: 17.01 min Scan# 2335
 Delta R.T. -0.45 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

Instrument :
 BNA_G
 ClientSampled :
 TP-2

Tot Ion:248 Resp: 19873
 Ion Ratio Lower Upper
 248 100
 250 206.7 77.1 115.7#
 141 631.2 50.8 76.2#

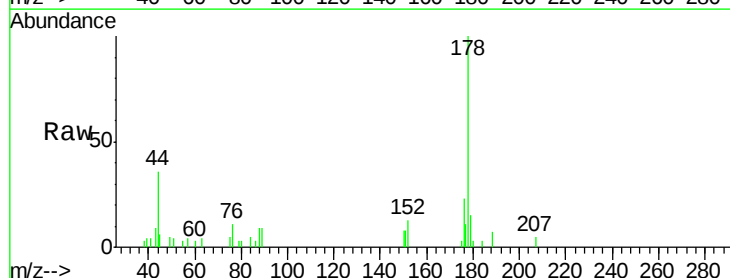


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

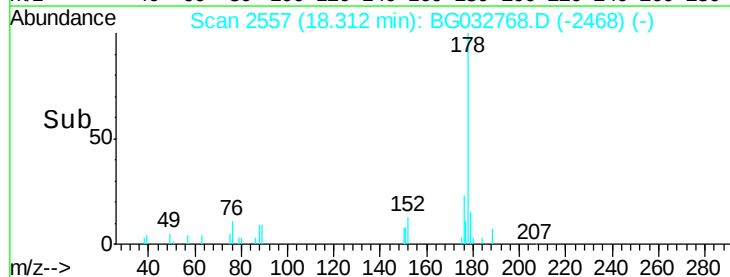
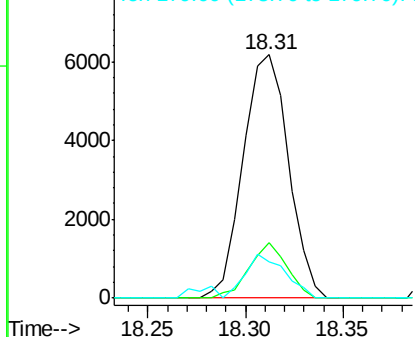


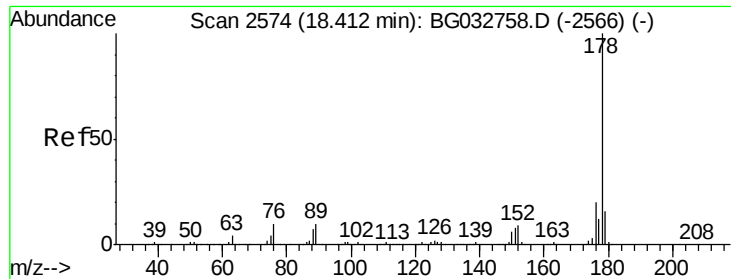
#70
 Phenanthrene
 Concen: 0.443 ng
 RT: 18.31 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

Tgt Ion:178 Resp: 9938
 Ion Ratio Lower Upper
 178 100
 176 22.9 15.7 23.5
 179 14.8 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

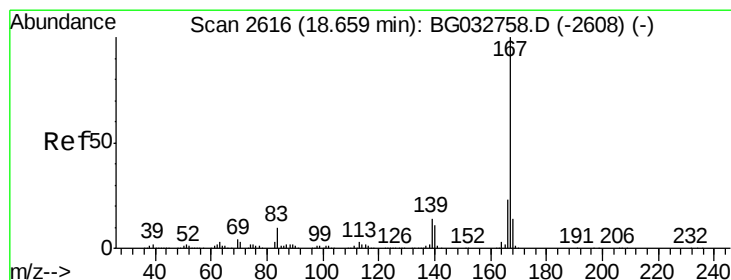
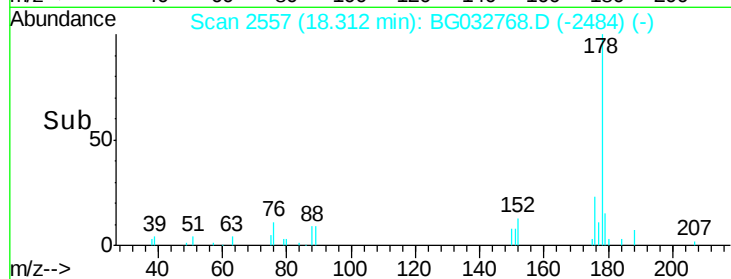
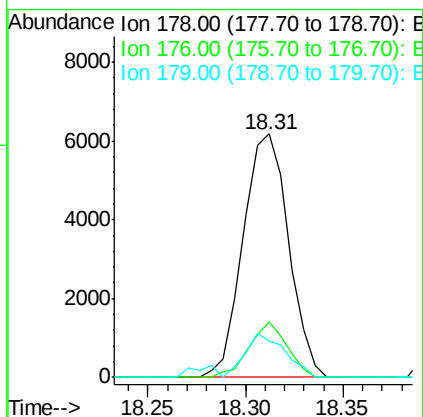
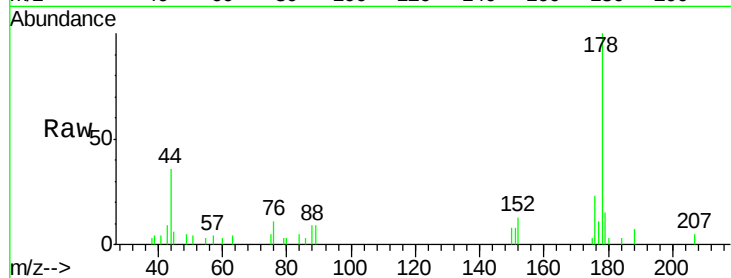




#71
 Anthracene
 Concen: 0.442 ng
 RT: 18.31 min Scan# 2557
 Delta R.T. -0.10 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

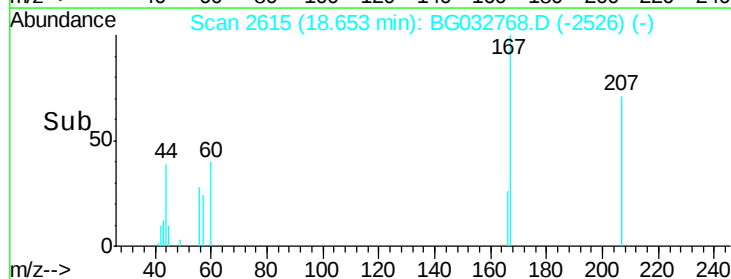
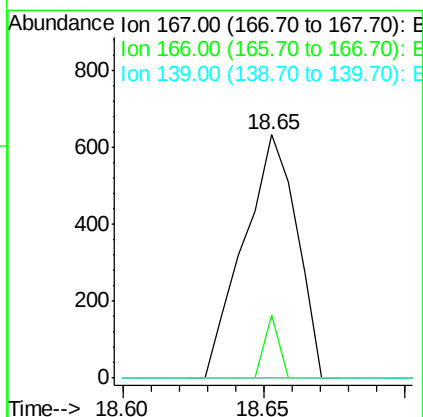
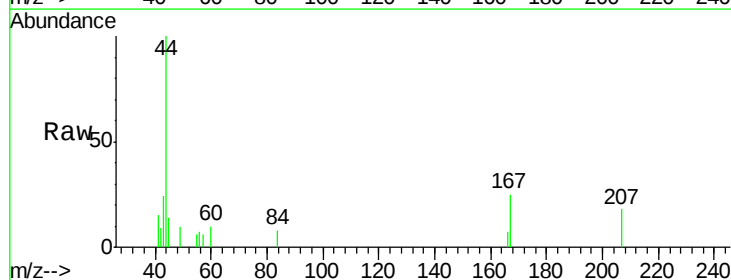
Instrument :
 BNA_G
 ClientSampleId :
 TP-2

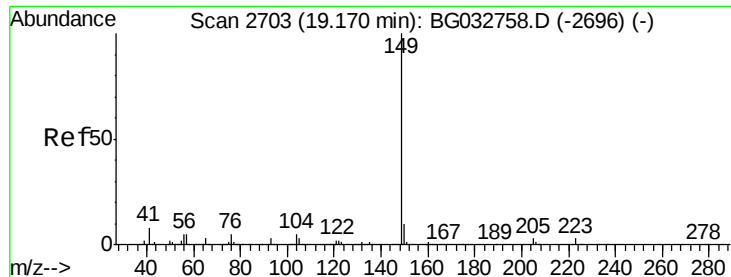
Tot Ion:178 Resp: 9938
 Ion Ratio Lower Upper
 178 100
 176 22.9 16.0 24.0
 179 14.8 12.5 18.7



#72
 Carbazole
 Concen: 0.037 ng
 RT: 18.65 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: BG032768.D
 Acq: 21 Feb 2018 20:20

Tgt Ion:167 Resp: 824
 Ion Ratio Lower Upper
 167 100
 166 26.0 18.2 27.4
 139 0.0 9.4 14.2#





#73

Di-n-butylphthalate

Concen: 0.068 ng

RT: 19.16 min Scan# 2702

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

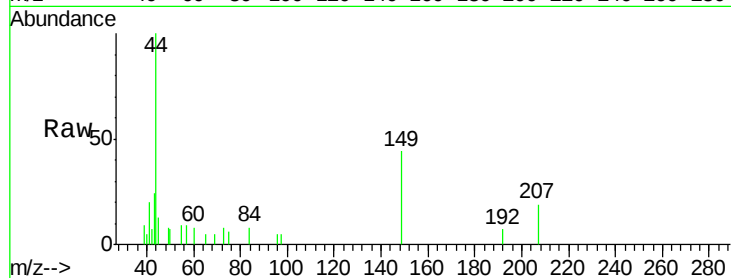
Tot Ion:149 Resp: 1851

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

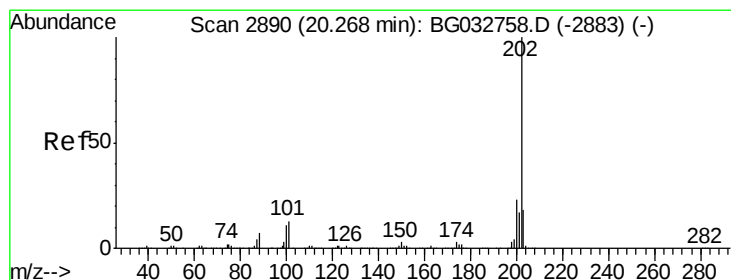
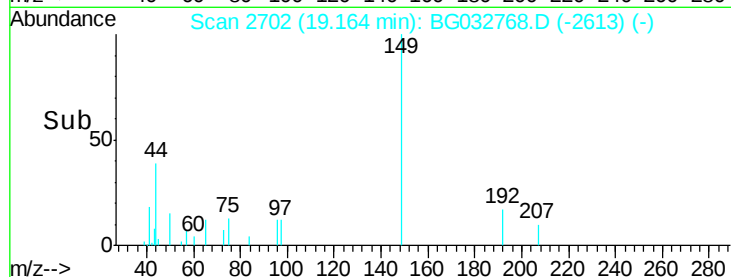
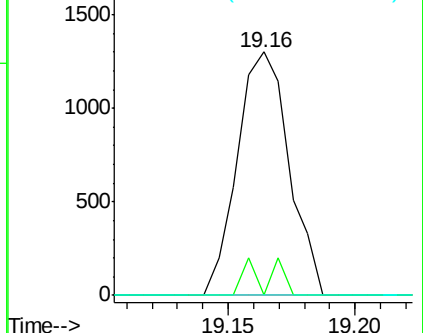
104 0.0 3.9 5.9#



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: 0.046 ng

RT: 20.26 min Scan# 2888

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

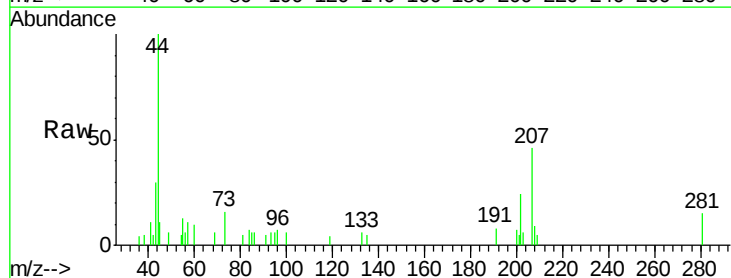
Tgt Ion:202 Resp: 1143

Ion Ratio Lower Upper

202 100

101 0.0 0.0 28.9

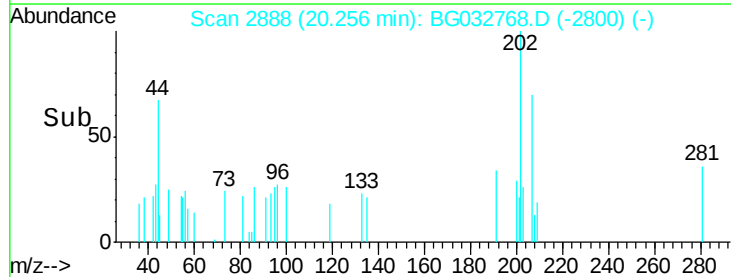
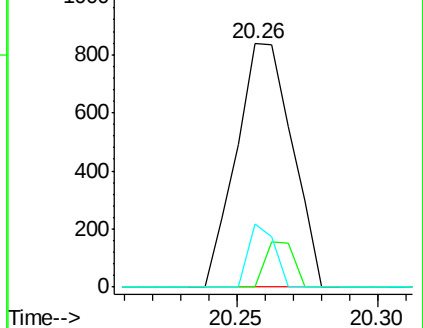
203 26.0 0.0 37.5

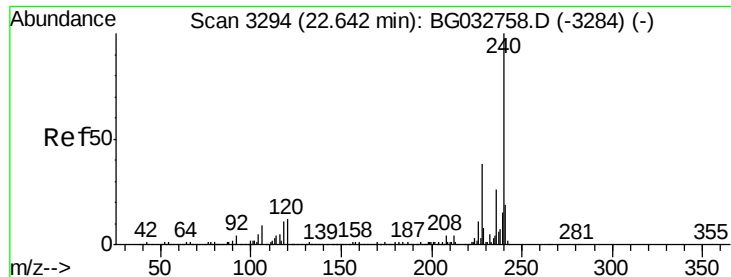


Abundance Ion 202.00 (201.70 to 202.70): E

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: 22.62 min Scan# 3291

Delta R.T. -0.02 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampled :

TP-2

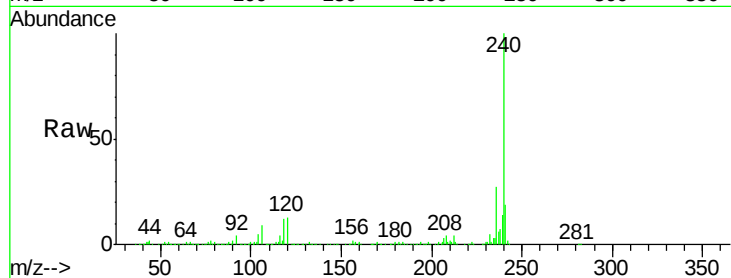
Tot Ion:240 Resp: 391438

Ion Ratio Lower Upper

240 100

120 13.3 6.8 10.2#

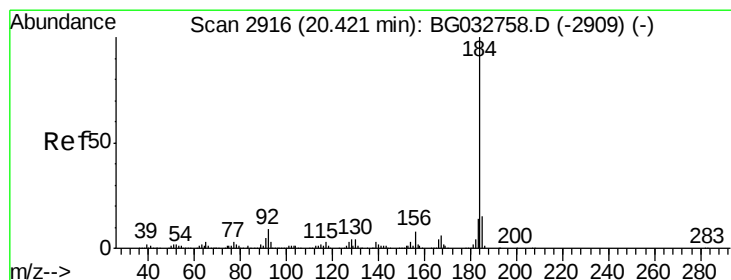
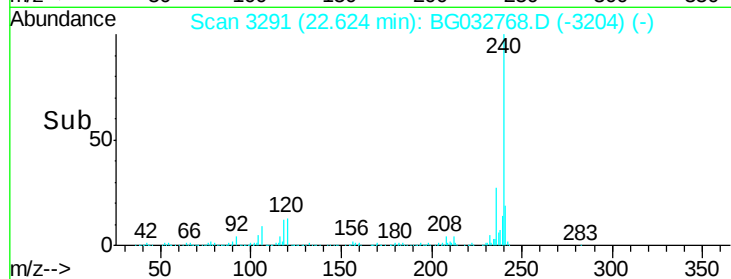
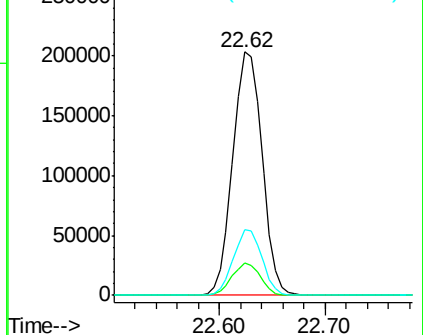
236 27.1 20.9 31.3



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: 0.634 ng

RT: 20.42 min Scan# 2915

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

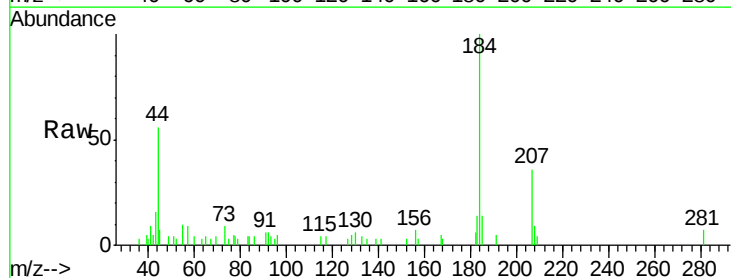
Tgt Ion:184 Resp: 8463

Ion Ratio Lower Upper

184 100

185 14.4 11.1 16.7

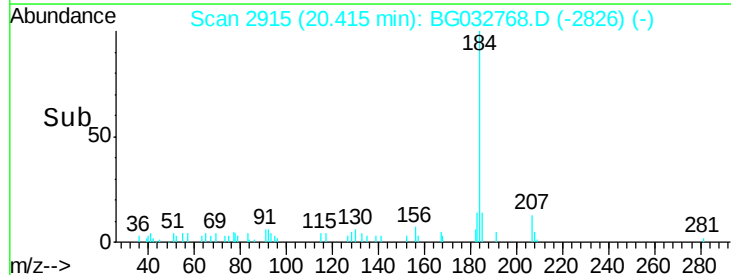
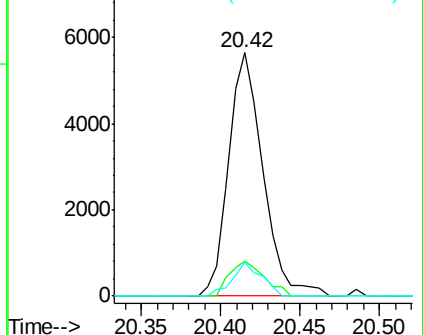
183 13.8 10.6 16.0

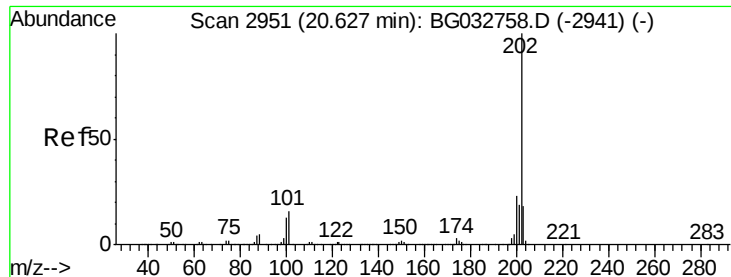


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 0.030 ng

RT: 20.62 min Scan# 2950

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

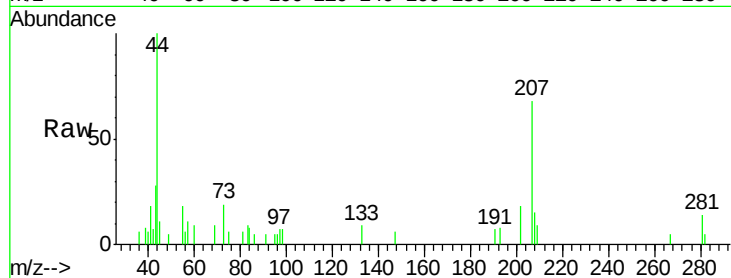
Tot Ion:202 Resp: 833

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

203 0.0 13.9 20.9#

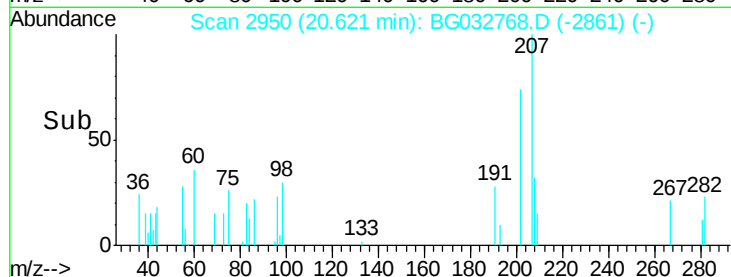


Abundance Ion 202.00 (201.70 to 202.70): E

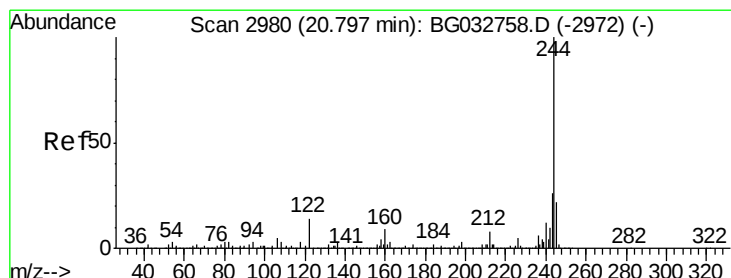
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



#78

Terphenyl-d14

Concen: 90.090 ng

RT: 20.79 min Scan# 2979

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

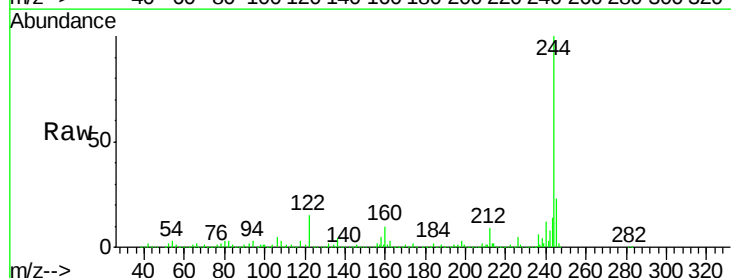
Tgt Ion:244 Resp: 1569606

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

122 14.9 7.0 10.4#

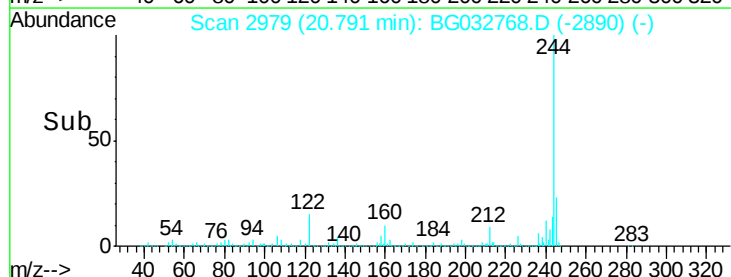


Abundance Ion 244.00 (243.70 to 244.70): E

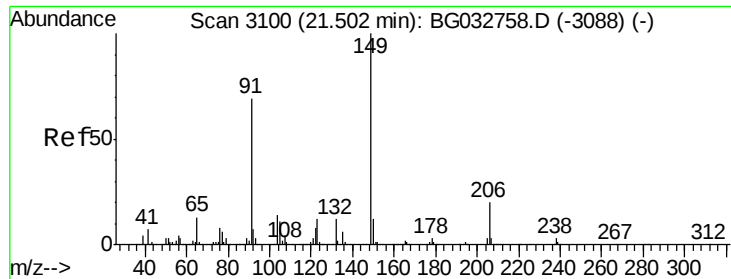
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#79

Butylbenzylphthalate

Concen: 0.005 ng

RT: 21.49 min Scan# 3098

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampled :

TP-2

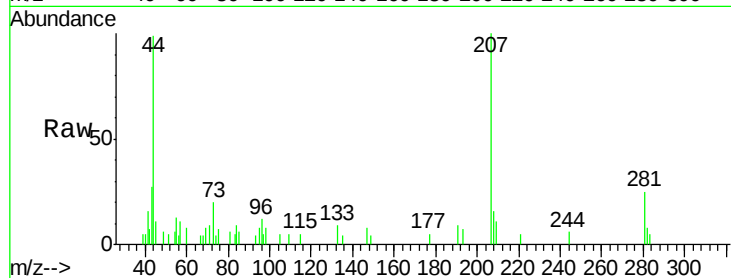
Tot Ion:149 Resp: 58

Ion Ratio Lower Upper

149 100

91 0.0 62.2 93.2#

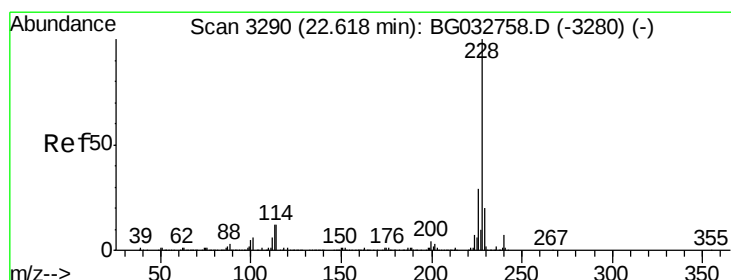
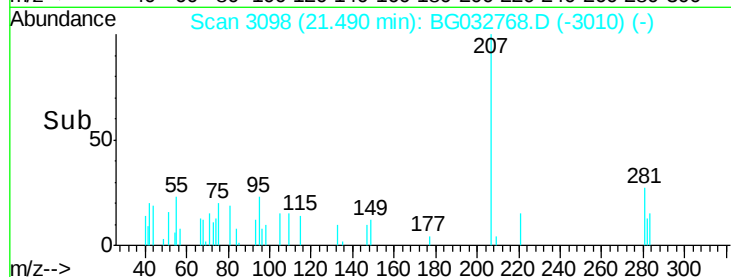
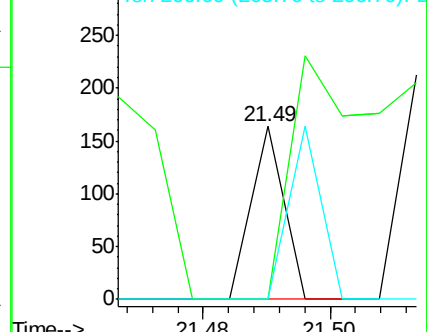
206 0.0 18.6 27.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BGC

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.036 ng

RT: 22.62 min Scan# 3291

Delta R.T. 0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

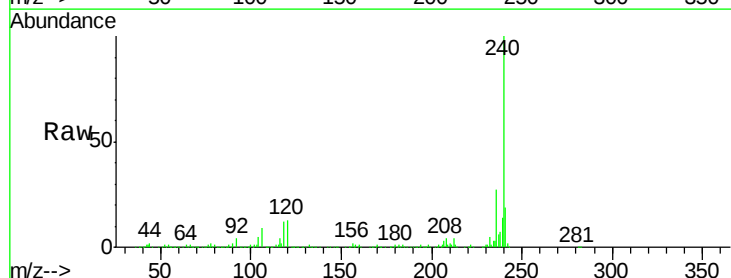
Tgt Ion:228 Resp: 915

Ion Ratio Lower Upper

228 100

226 0.0 22.7 34.1#

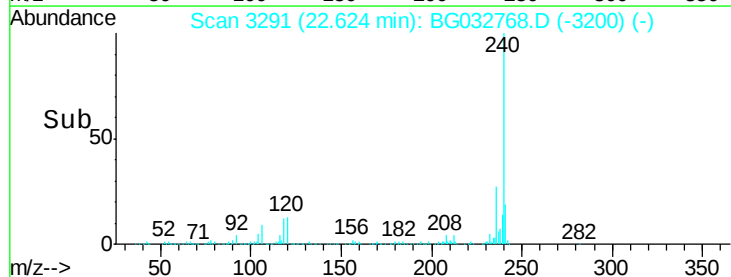
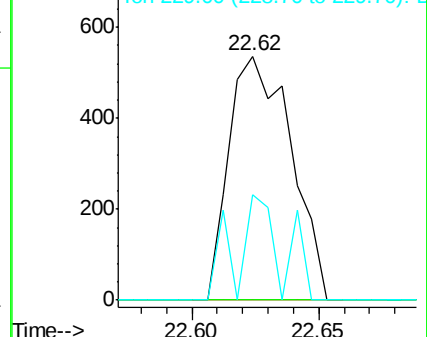
229 43.3 16.2 24.2#

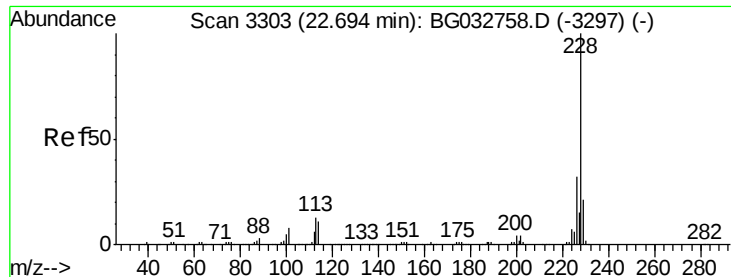


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 0.038 ng

RT: 22.62 min Scan# 3291

Delta R.T. -0.07 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

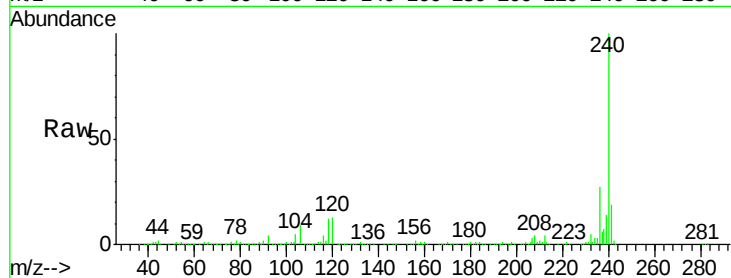
Tot Ion:228 Resp: 915

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

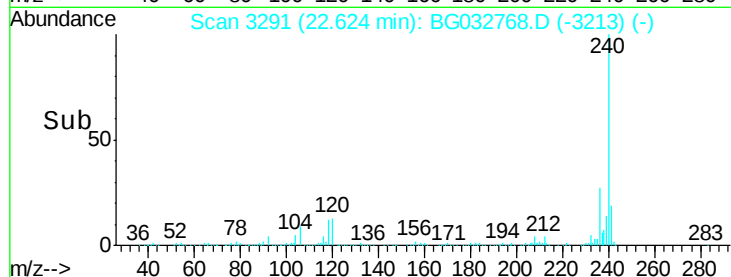
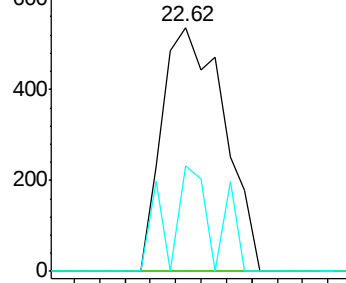
229 43.3 15.0 22.4#



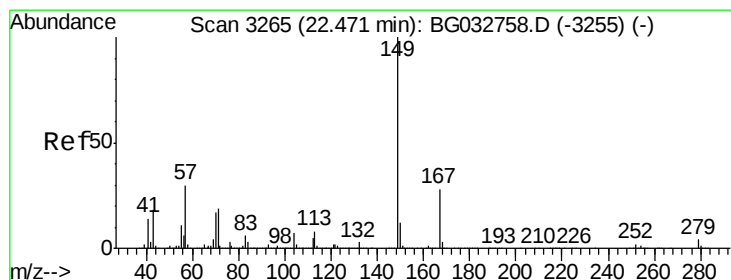
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.103 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

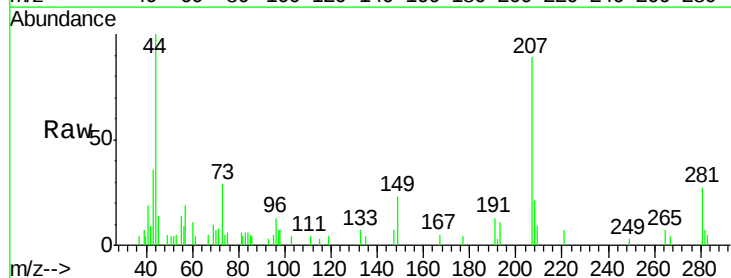
Tgt Ion:149 Resp: 1870

Ion Ratio Lower Upper

149 100

167 23.5 24.3 36.5#

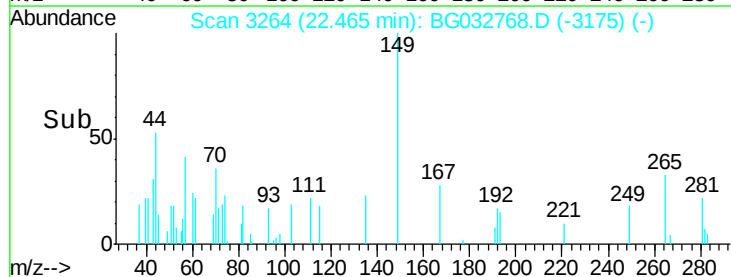
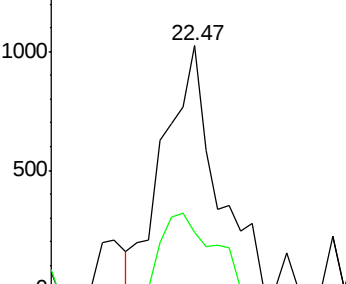
279 0.0 4.0 6.0#



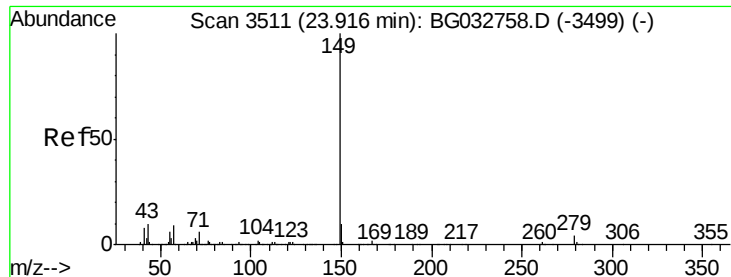
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#84

Di-n-octyl phthalate

Concen: 0.007 ng

RT: 23.90 min Scan# 3509

Delta R.T. -0.01 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

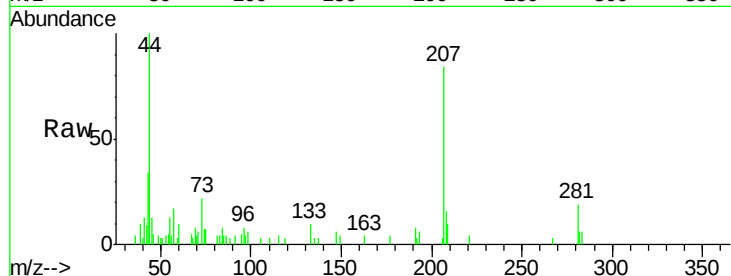
Tot Ion:149 Resp: 203

Ion Ratio Lower Upper

149 100

167 26.6 1.4 2.0#

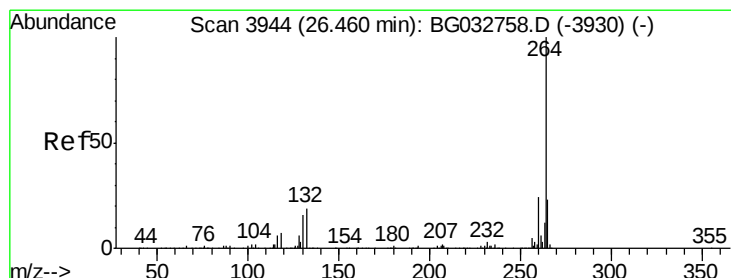
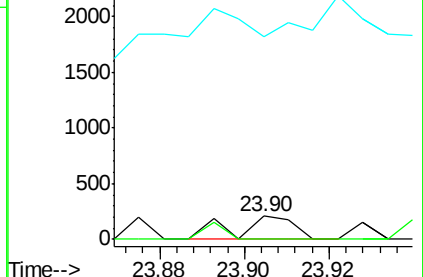
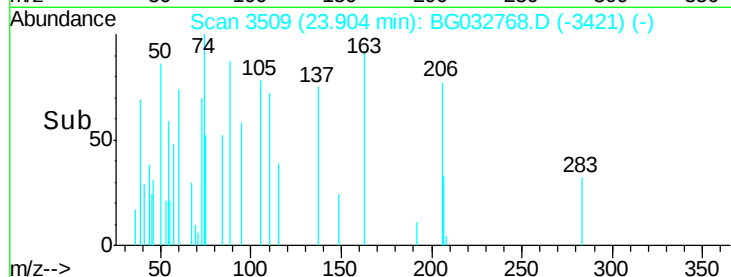
43 103.9 8.9 13.3#



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): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.44 min Scan# 3941

Delta R.T. -0.02 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

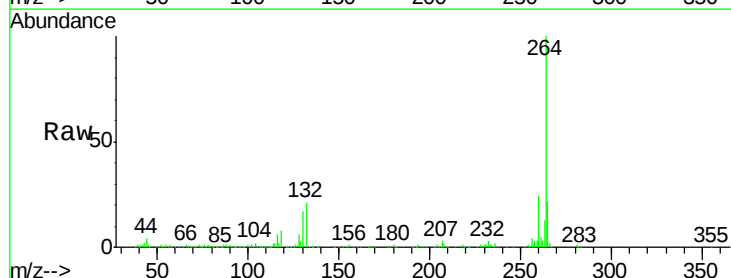
Tgt Ion:264 Resp: 418170

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

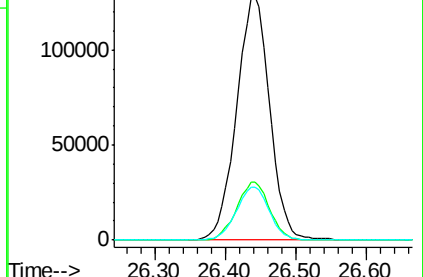
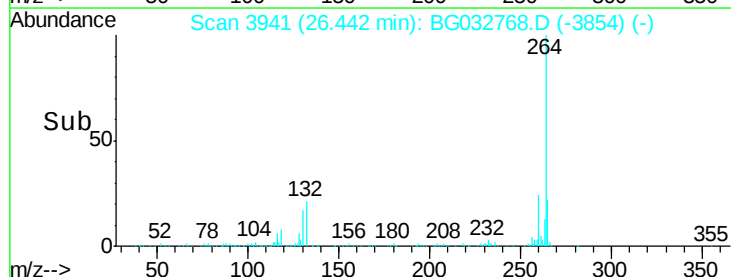
265 21.7 17.7 26.5

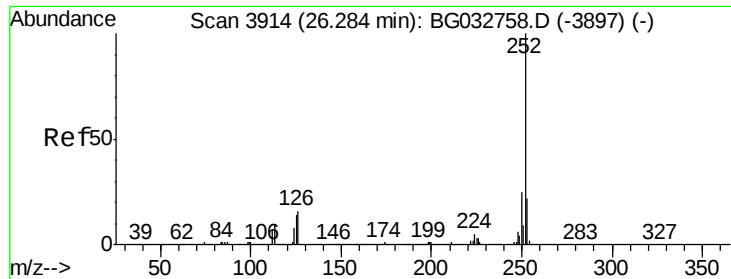


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89

Benzo(a)pyrene

Concen: 0.069 ng

RT: 26.45 min Scan# 3942

Delta R.T. 0.16 min

Lab File: BG032768.D

Acq: 21 Feb 2018 20:20

Instrument :

BNA_G

ClientSampleId :

TP-2

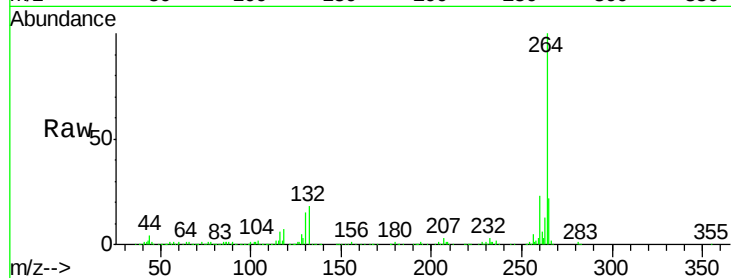
Tot Ion:252 Resp: 1630

Ion Ratio Lower Upper

252 100

253 47.6 18.3 27.5#

125 29.9 7.3 10.9#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

