

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072919\
 Data File : BG041786.D
 Acq On : 29 Jul 2019 11:42
 Operator : HP/JU
 Sample : PB121703BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB121703BL

Quant Time: Jul 30 01:05:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 29 12:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	102516	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	395360	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	289132	20.00	ng	0.00
64) Phenanthrene-d10	17.45	188	708068	20.00	ng	0.00
76) Chrysene-d12	21.74	240	753414	20.00	ng	0.00
87) Perylene-d12	25.01	264	845324	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	700467	132.94	ng	0.00
7) Phenol-d6	7.20	99	950903	133.86	ng	0.00
23) Nitrobenzene-d5	9.21	82	562529	97.91	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	501331	152.65	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	1552978	94.73	ng	0.00
79) Terphenyl-d14	20.07	244	2711035	82.34	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.46	88	268	0.108	ng	# 12
4) n-Nitrosodimethylamine	3.77	42	119	0.044	ng	# 1
6) Aniline	7.20	93	53	0.005	ng	# 1
8) 2-Chlorophenol	7.61	128	64	0.011	ng	# 1
9) Benzaldehyde	7.19	77	1709	0.342	ng	# 3
10) Phenol	7.20	94	61	0.008	ng	# 1
11) bis(2-Chloroethyl)ether	7.58	93	1150	0.189	ng	# 1
12) 1,3-Dichlorobenzene	8.38	146	145	0.018	ng	# 1
13) 1,4-Dichlorobenzene	8.38	146	145	0.018	ng	# 1
14) 1,2-Dichlorobenzene	8.38	146	145	0.019	ng	# 1
15) Benzyl Alcohol	8.37	79	9420	1.686	ng	# 50
16) 2,2'-oxybis(1-Chloropropan	8.09	45	55	0.005	ng	# 75
17) 2-Methylphenol	8.38	107	114	0.021	ng	# 1
19) n-Nitroso-di-n-propylamine	9.21	70	73795	14.309	ng	# 69
20) 3+4-Methylphenols	8.38	107	114	0.016	ng	# 1
24) Nitrobenzene	9.21	77	1866	0.308	ng	# 37
25) Isophorone	9.50	82	141	0.011	ng	# 62
46) 1,1'-Biphenyl	13.54	154	2242	0.121	ng	# 80
48) 2-Nitroaniline	13.33	65	2409	0.600	ng	# 5
51) 2,6-Dinitrotoluene	14.70	165	38085	9.224	ng	# 27
52) Acenaphthene	14.70	154	1056	0.069	ng	# 4
57) 2,4-Dinitrotoluene	14.70	165	38085	6.707	ng	# 29
58) Fluorene	16.19	166	20914	1.107	ng	# 92
62) 4-Nitroaniline	16.19	138	59	0.012	ng	# 1
63) Azobenzene	16.19	77	2225	0.140	ng	# 18
65) 4,6-Dinitro-2-methylphenol	16.19	198	1218	7.154	ng	# 1
66) n-Nitrosodiphenylamine	16.19	169	16890	0.876	ng	# 46
67) 4-Bromophenyl-phenylether	16.19	248	38299	4.391	ng	# 1
71) Phenanthrene	17.50	178	77	0.002	ng	# 55
72) Anthracene	17.50	178	77	0.002	ng	# 55
74) Di-n-butylphthalate	18.43	149	598	0.017	ng	# 72
77) Benzidine	19.69	184	1998	0.081	ng	# 63
78) Pyrene	20.07	202	12324	0.276	ng	# 78
80) Butylbenzylphthalate	20.76	149	67	0.004	ng	# 70

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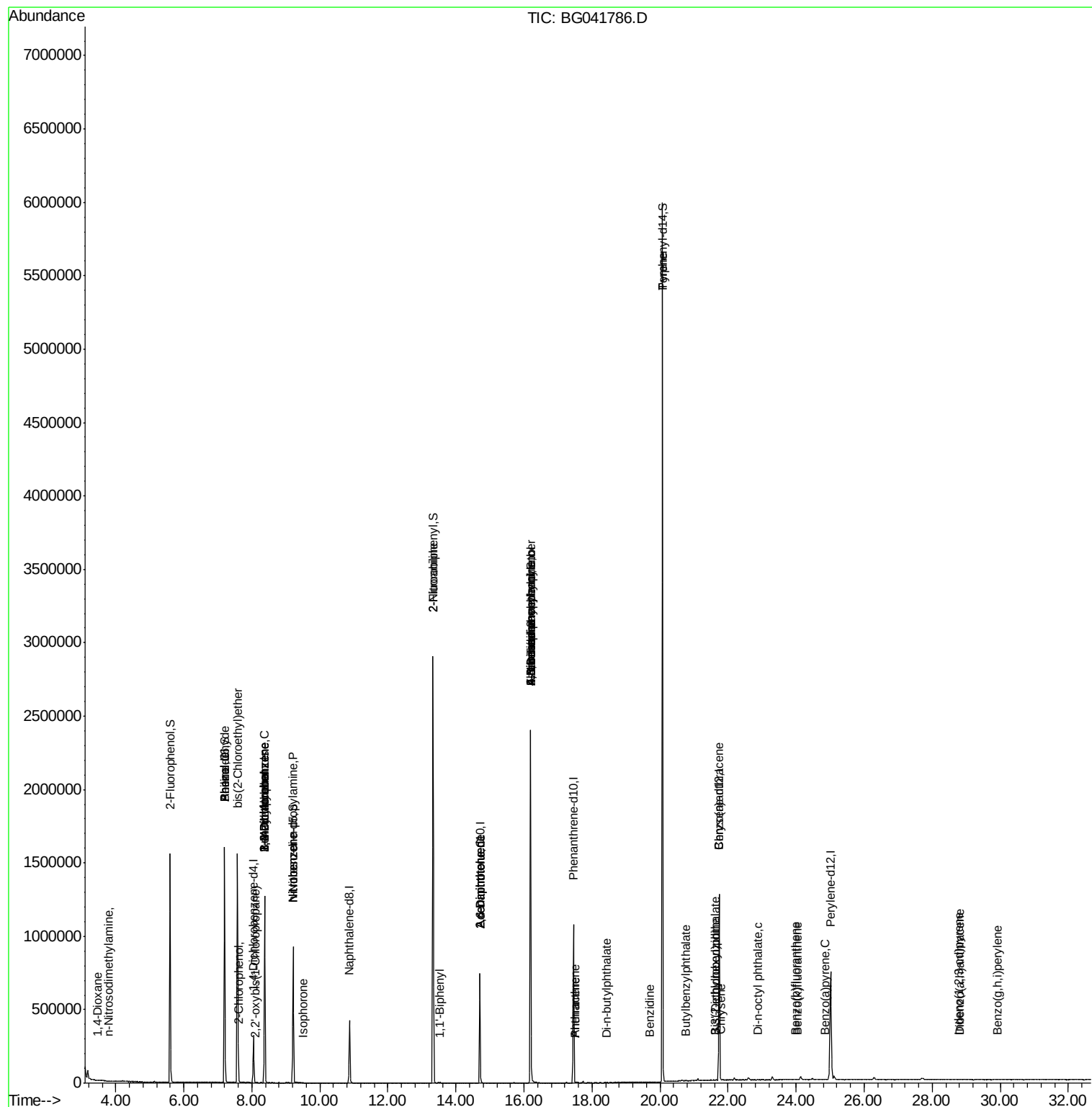
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) Benzo(a)anthracene	21.73	228	2124	0.048	ng	# 48
82) 3,3'-Dichlorobenzidine	21.63	252	359	0.020	ng	# 24
83) Chrysene	21.79	228	87	0.002	ng	# 43
84) Bis(2-ethylhexyl)phthalate	21.63	149	858	0.036	ng	# 47
85) Di-n-octyl phthalate	22.87	149	515	0.013	ng	# 70
86) Indeno(1,2,3-cd)pyrene	28.76	276	179	0.003	ng	# 50
88) Benzo(b)fluoranthene	23.97	252	589	0.013	ng	# 56
89) Benzo(k)fluoranthene	24.04	252	709	0.016	ng	# 56
90) Benzo(a)pyrene	24.86	252	859	0.019	ng	# 57
91) Dibenzo(a,h)anthracene	28.80	278	447	0.010	ng	# 54
92) Benzo(g,h,i)perylene	29.92	276	572	0.013	ng	# 53

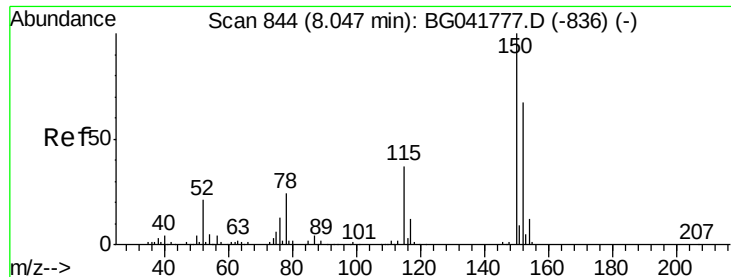
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

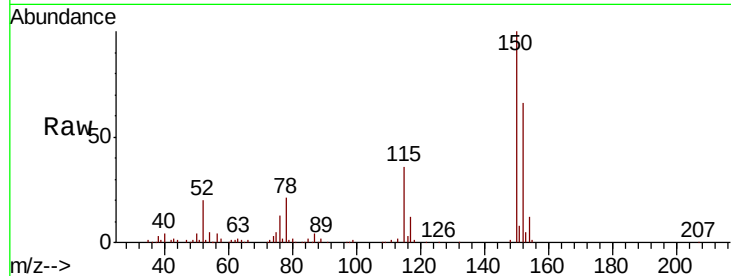
Tgt Ion:152 Resp: 102516

Ion Ratio Lower Upper

152 100

150 152.6 126.9 190.3

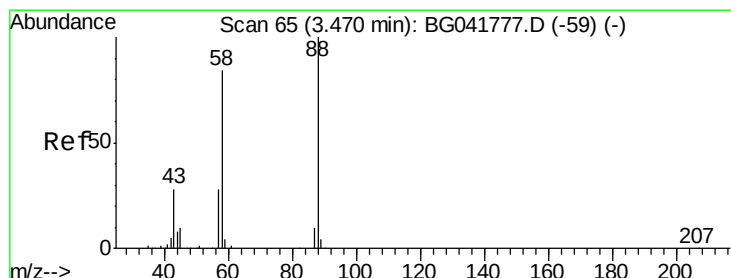
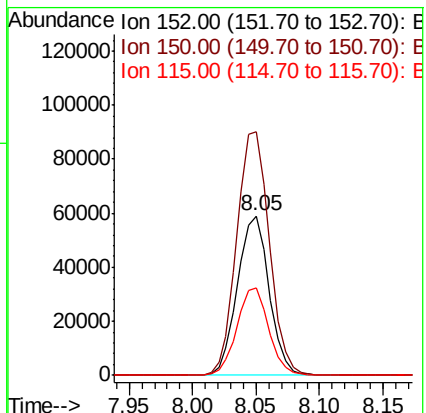
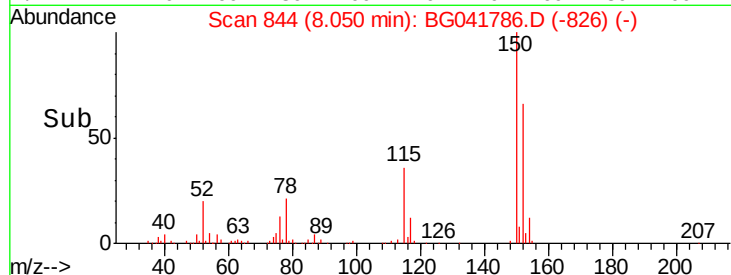
115 55.0 45.0 67.6



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: 0.108 ng

RT: 3.46 min Scan# 62

Delta R.T. -0.01 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

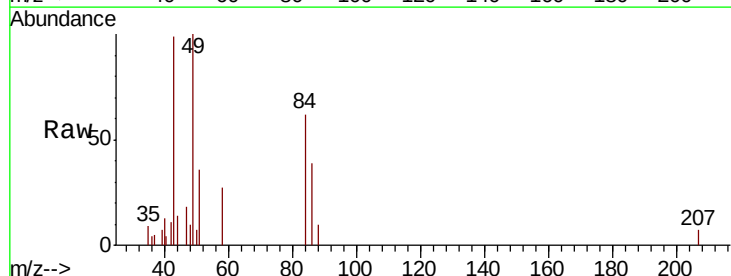
Tgt Ion: 88 Resp: 268

Ion Ratio Lower Upper

88 100

58 0.0 76.2 114.2#

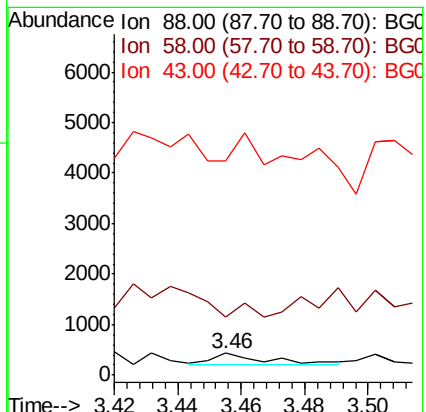
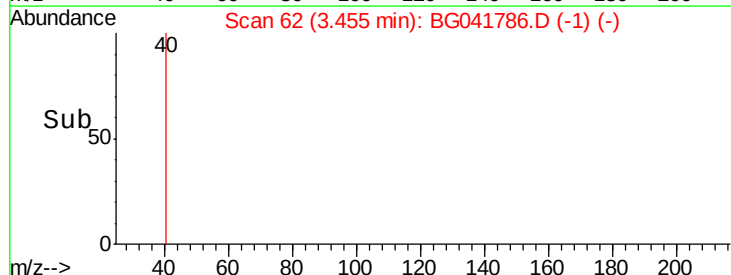
43 0.0 27.2 40.8#

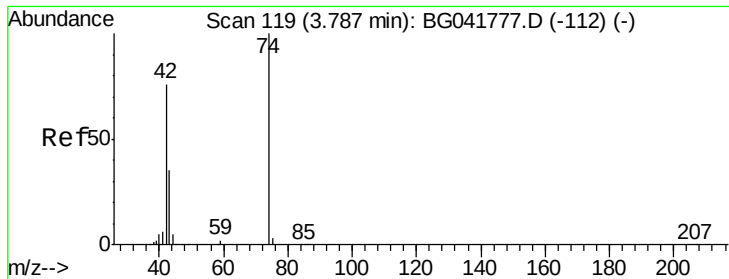


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.044 ng

RT: 3.77 min Scan# 116

Delta R.T. -0.01 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

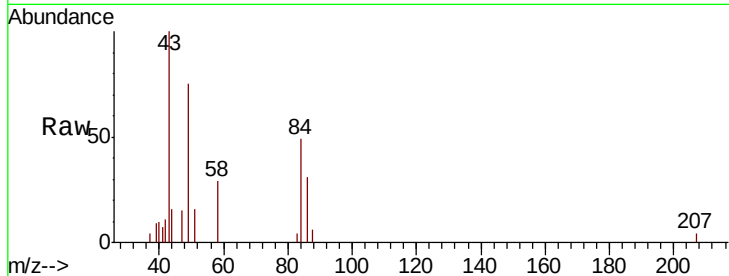
Tgt Ion: 42 Resp: 119

Ion Ratio Lower Upper

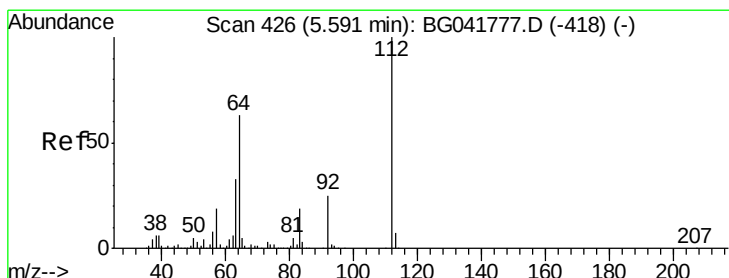
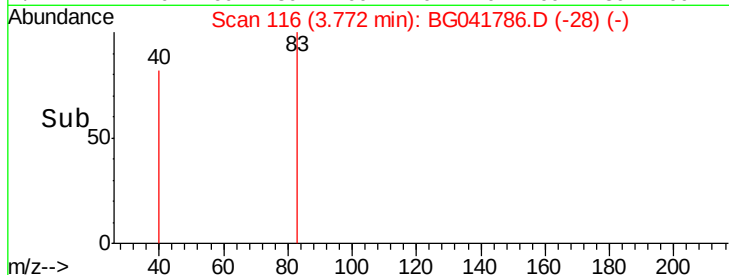
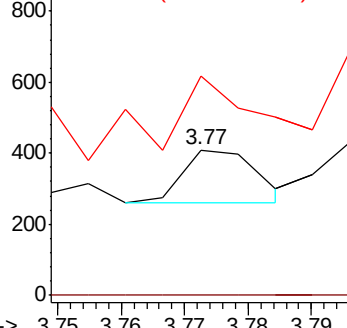
42 100

74 0.0 97.4 146.2#

44 151.1 6.6 9.8#



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: 132.940 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

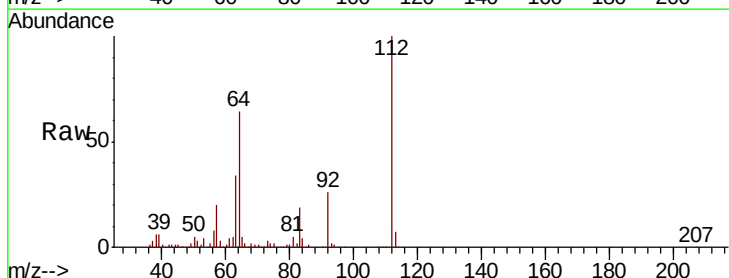
Tgt Ion: 112 Resp: 700467

Ion Ratio Lower Upper

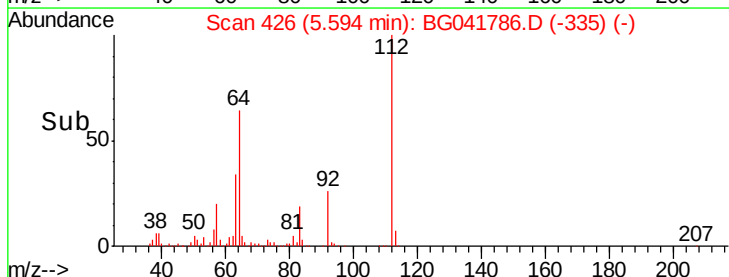
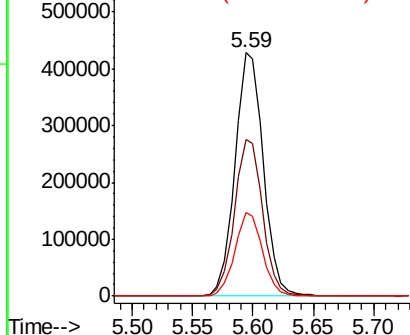
112 100

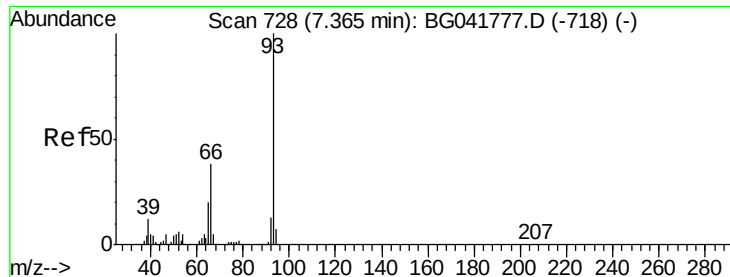
64 64.1 55.4 83.2

63 34.2 29.1 43.7



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: 0.005 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.17 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

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ClientSampleId :

PB121703BL

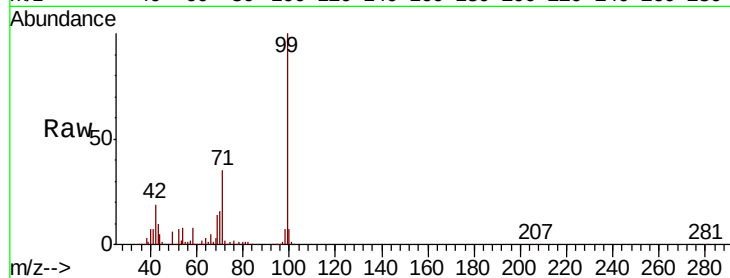
Tgt Ion: 93 Resp: 53

Ion Ratio Lower Upper

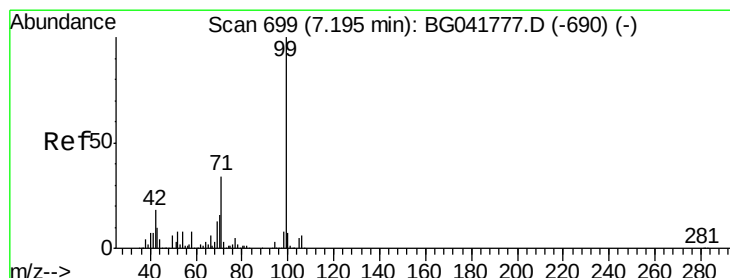
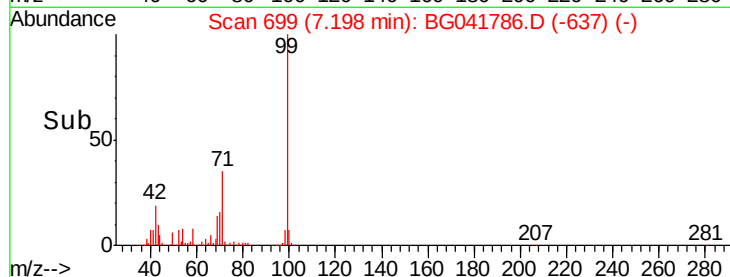
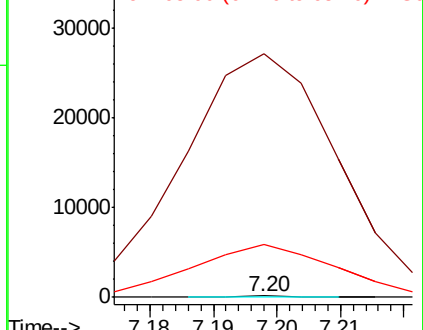
93 100

66 18007.9 34.2 51.2#

65 3908.6 18.2 27.2#



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: 133.863 ng

RT: 7.20 min Scan# 699

Delta R.T. 0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

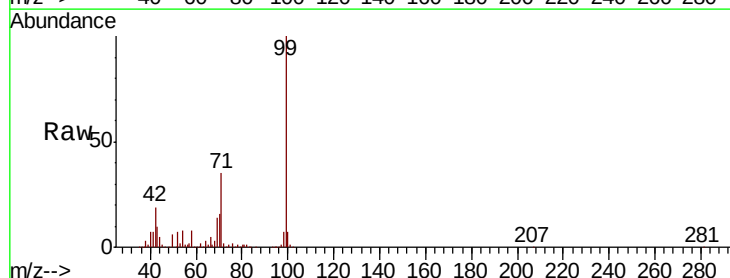
Tgt Ion: 99 Resp: 950903

Ion Ratio Lower Upper

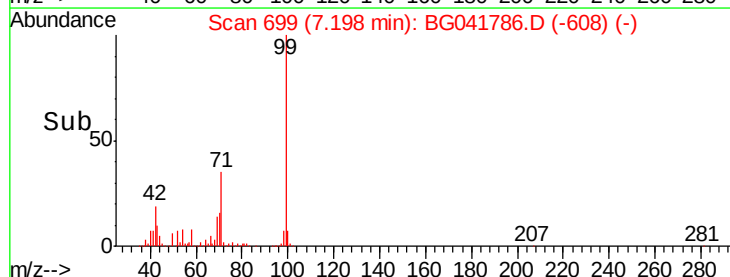
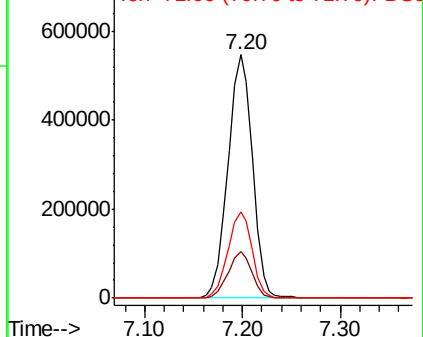
99 100

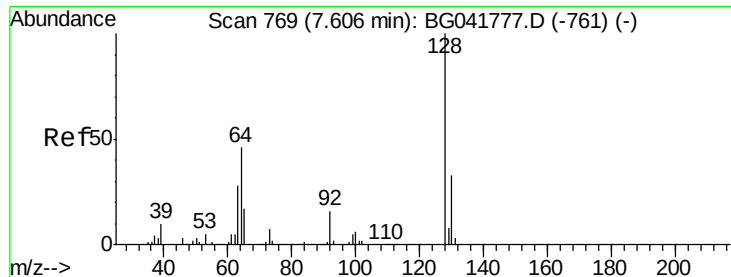
42 19.0 17.6 26.4

71 35.4 27.8 41.6



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: 0.011 ng

RT: 7.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

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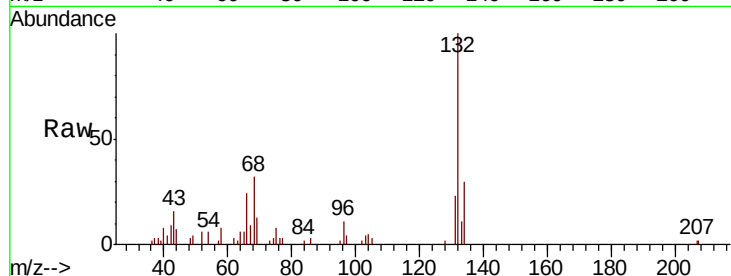
Tgt Ion:128 Resp: 64

Ion Ratio Lower Upper

128 100

130 0.0 12.4 52.4#

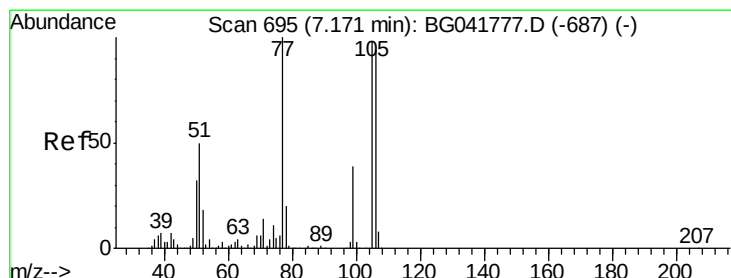
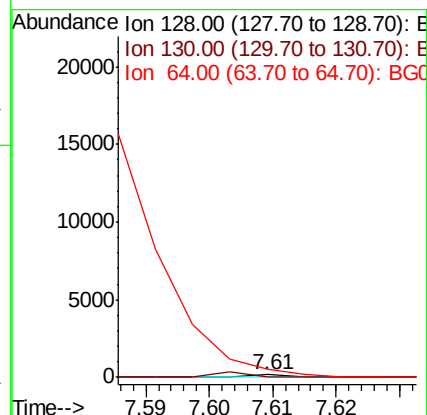
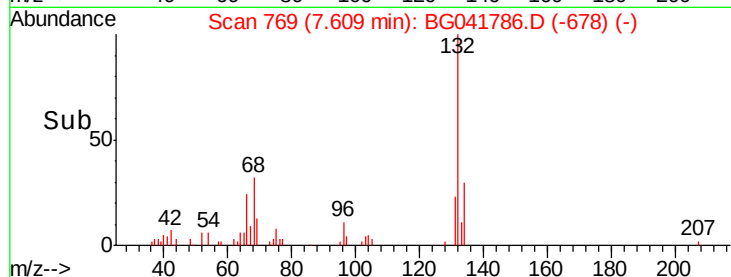
64 296.2 34.9 74.9#



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): BGC



#9

Benzaldehyde

Concen: 0.342 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.02 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

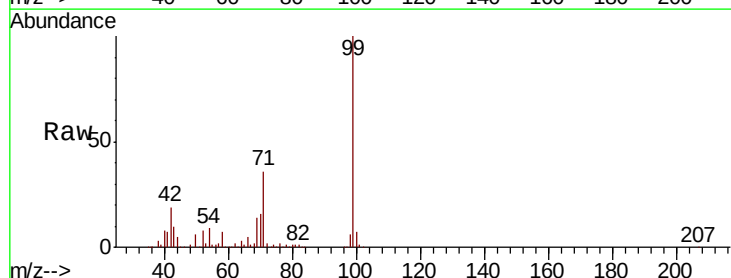
Tgt Ion: 77 Resp: 1709

Ion Ratio Lower Upper

77 100

105 0.0 74.6 114.6#

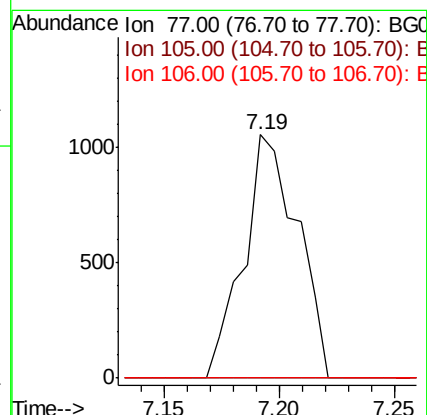
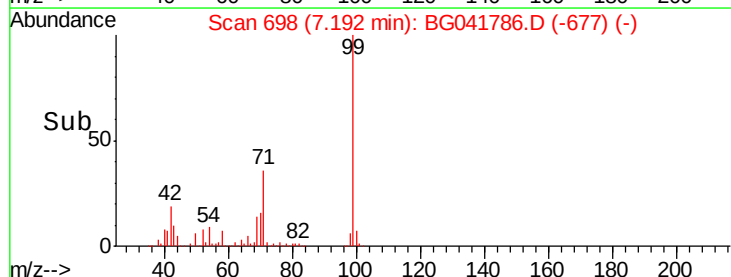
106 0.0 71.1 111.1#

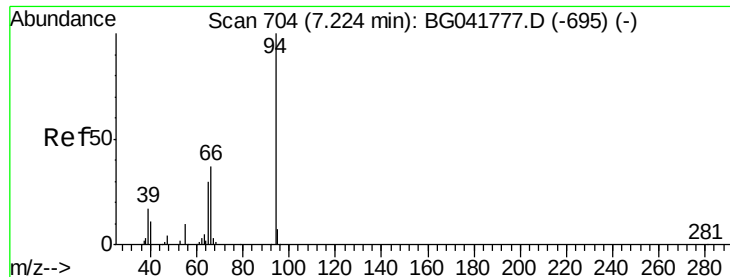


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.008 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.03 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

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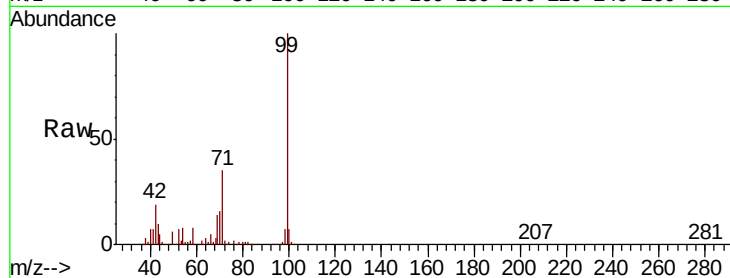
Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

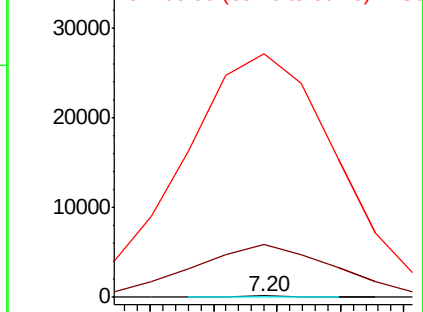
94 100

65 3392.0 10.6 50.6#

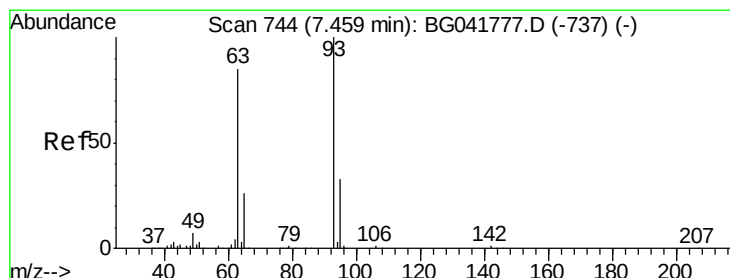
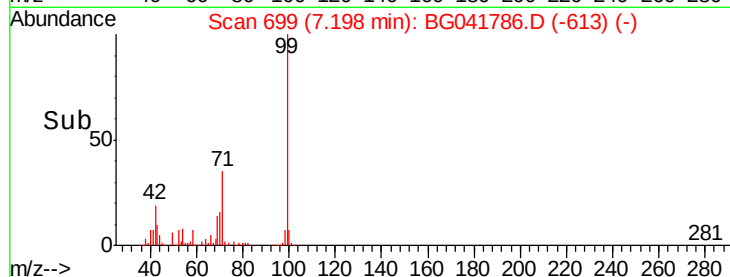
66 15627.6 18.2 58.2#



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



Time-->



#11

bis(2-Chloroethyl)ether

Concen: 0.189 ng

RT: 7.58 min Scan# 764

Delta R.T. 0.12 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

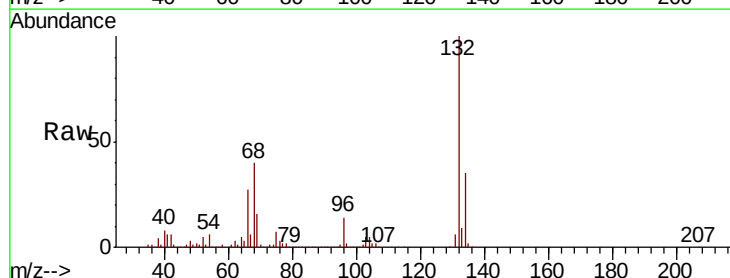
Tgt Ion: 93 Resp: 1150

Ion Ratio Lower Upper

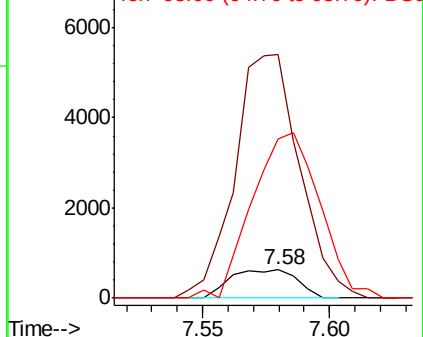
93 100

63 857.0 70.4 110.4#

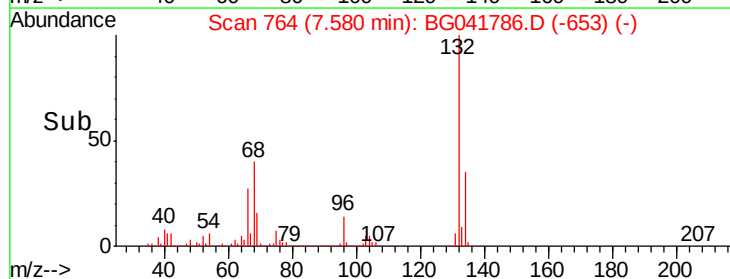
95 562.1 12.8 52.8#

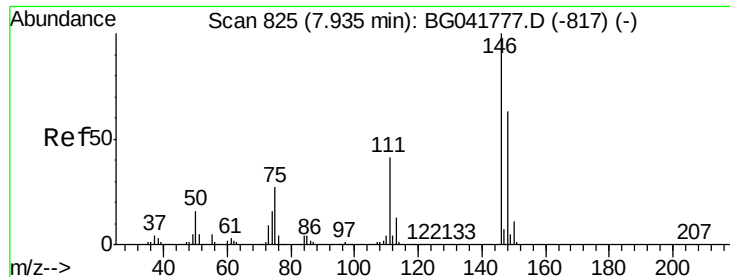


Abundance Ion 93.00 (92.70 to 93.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 95.00 (94.70 to 95.70): BGC



Time-->

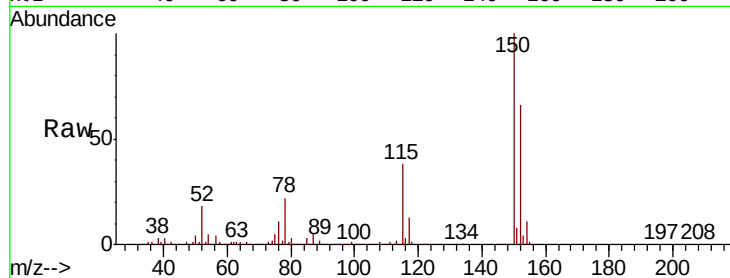




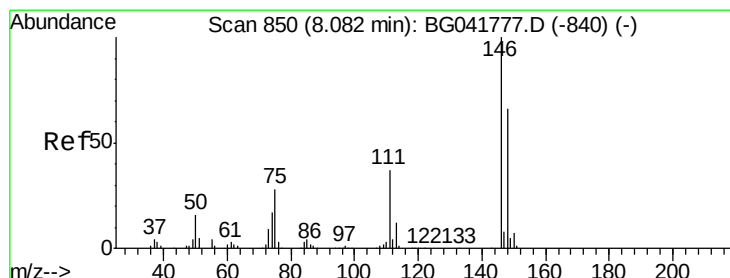
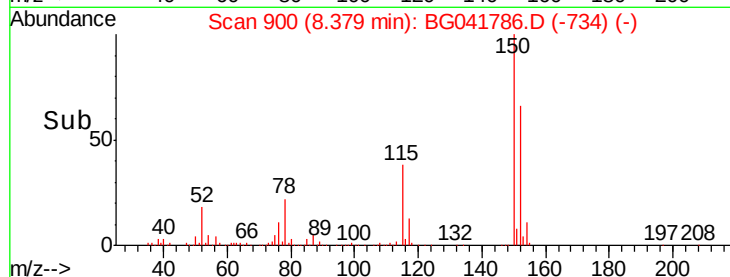
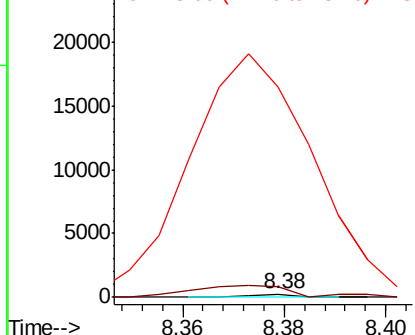
#12
 1,3-Dichlorobenzene
 Concen: 0.018 ng
 RT: 8.38 min Scan# 900
 Delta R.T. 0.44 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Instrument :
 BNA_G
 ClientSampled :
 PB121703BL

Tgt Ion:146 Resp: 145
 Ion Ratio Lower Upper
 146 100
 148 335.9 51.5 77.3#
 75 7025.6 23.2 34.8#

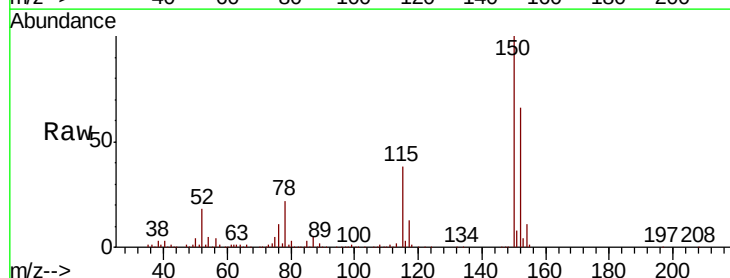


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): BGC

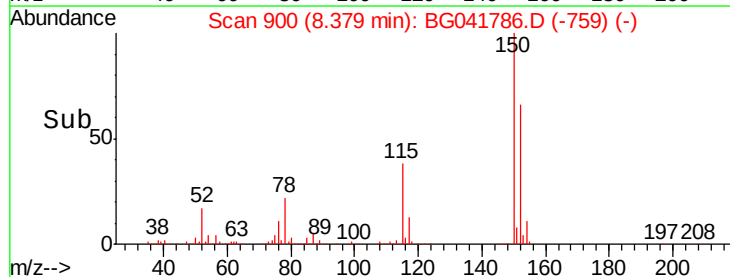
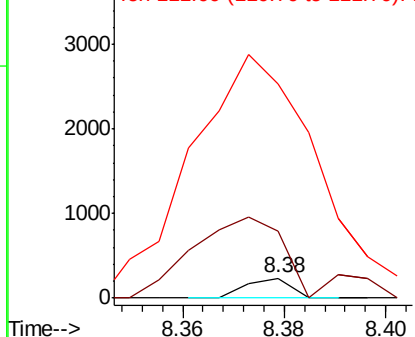


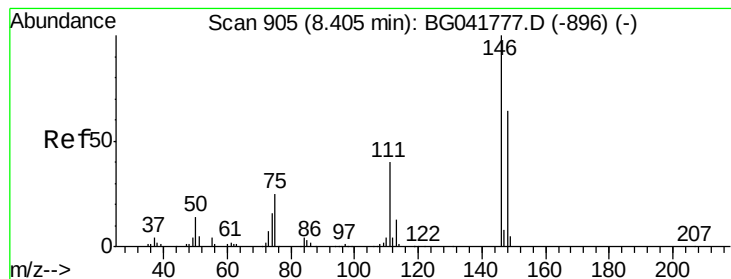
#13
 1,4-Dichlorobenzene
 Concen: 0.018 ng
 RT: 8.38 min Scan# 900
 Delta R.T. 0.30 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Tgt Ion:146 Resp: 145
 Ion Ratio Lower Upper
 146 100
 148 335.9 52.6 79.0#
 111 1083.8 32.5 48.7#



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: 0.019 ng

RT: 8.38 min Scan# 900

Delta R.T. -0.03 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

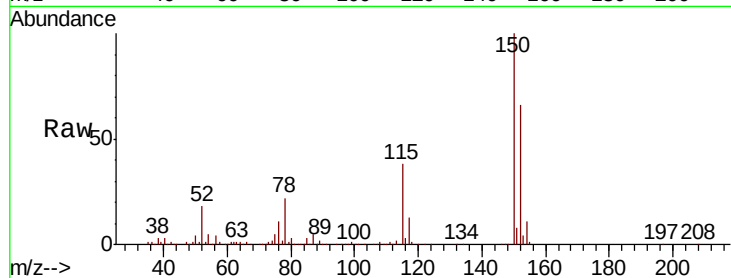
Tgt Ion:146 Resp: 145

Ion Ratio Lower Upper

146 100

148 335.9 53.5 80.3#

111 1083.8 35.4 53.0#

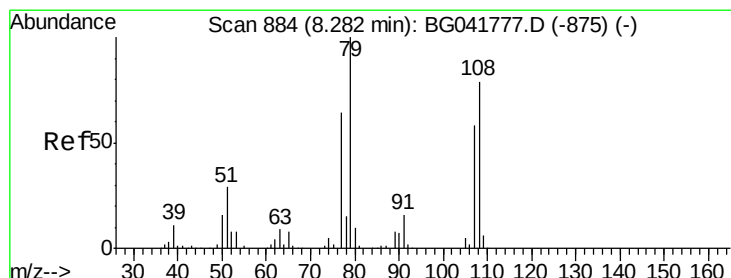
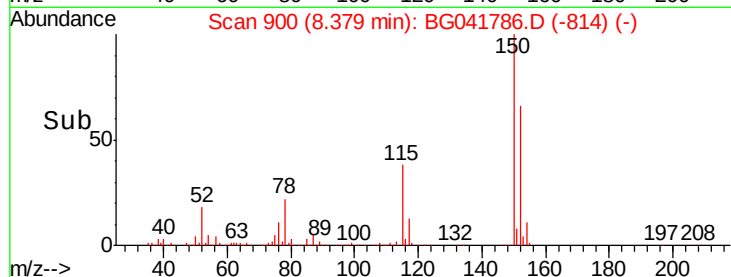
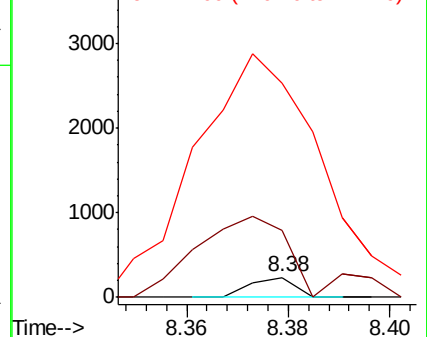


Abundance

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: 1.686 ng

RT: 8.37 min Scan# 899

Delta R.T. 0.09 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

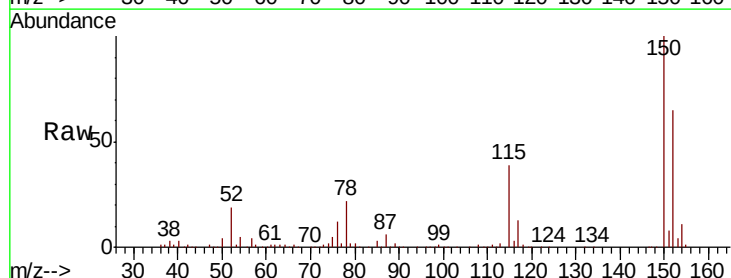
Tgt Ion: 79 Resp: 9420

Ion Ratio Lower Upper

79 100

108 32.1 60.5 90.7#

77 101.1 50.6 75.8#

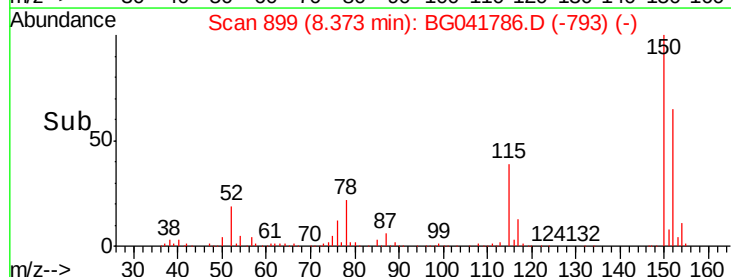
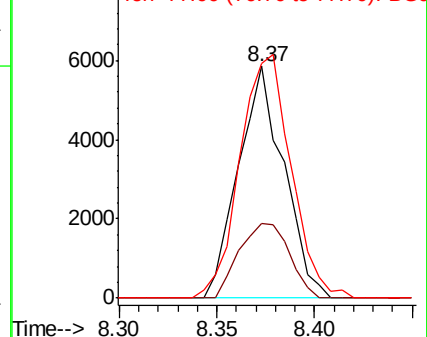


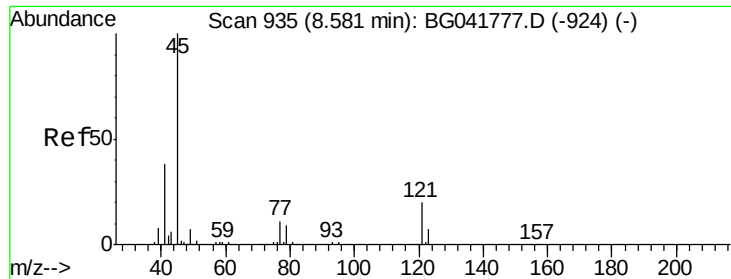
Abundance

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

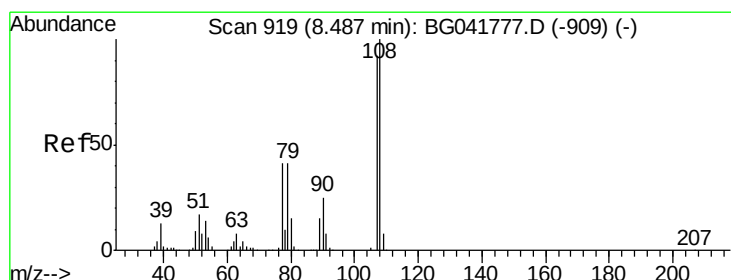
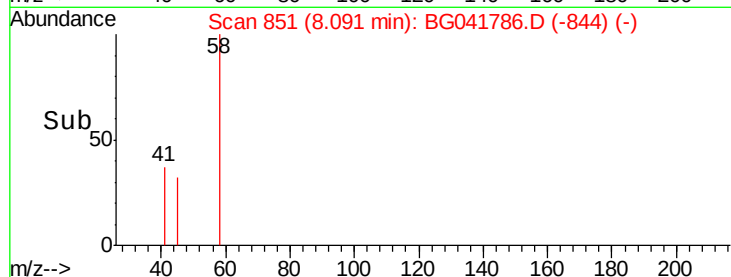
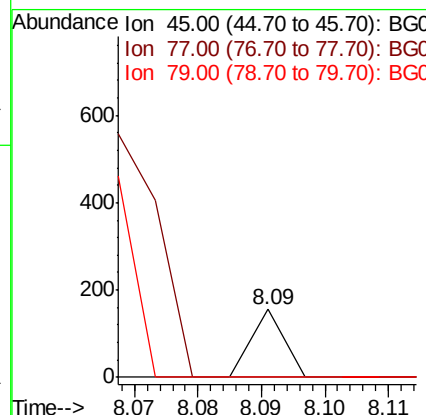
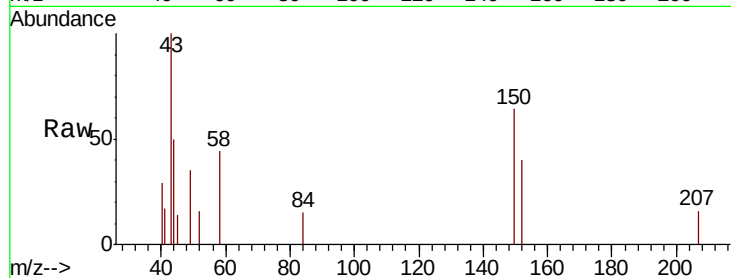




#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.005 ng
 RT: 8.09 min Scan# 851
 Delta R.T. -0.49 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

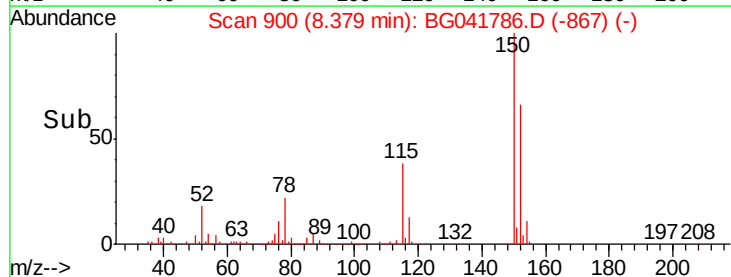
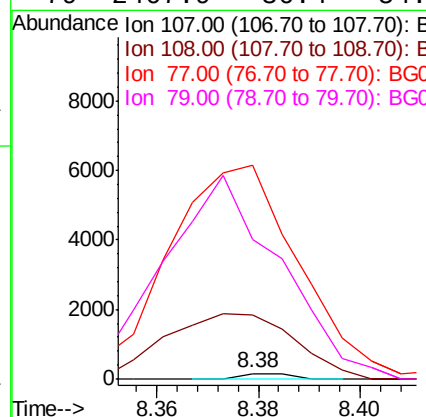
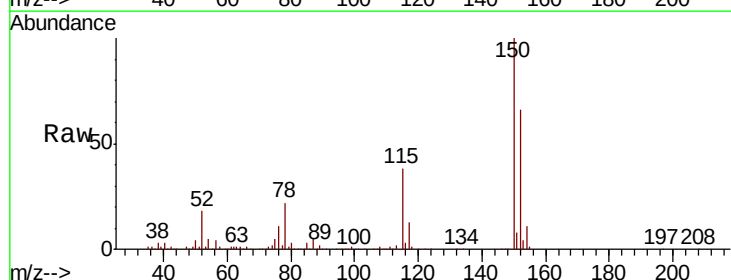
Instrument :
 BNA_G
 ClientSampleId :
 PB121703BL

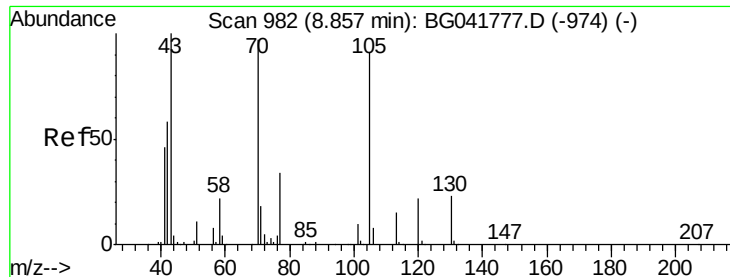
Tgt Ion:	45	Resp:	55
Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	30.4
79	0.0	0.0	27.9



#17
 2-Methylphenol
 Concen: 0.021 ng
 RT: 8.38 min Scan# 900
 Delta R.T. -0.11 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Tgt Ion:	107	Resp:	114
Ion	Ratio	Lower	Upper
107	100		
108	1147.5	87.6	131.4#
77	3794.4	36.1	54.1#
79	2467.9	36.4	54.6#

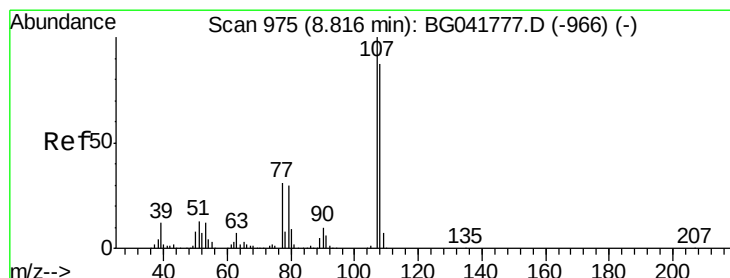
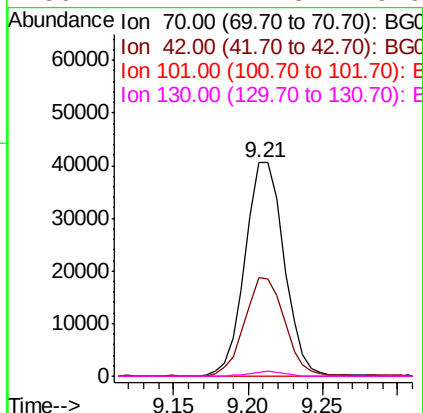
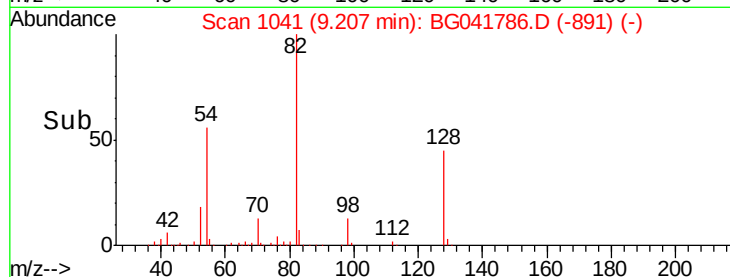
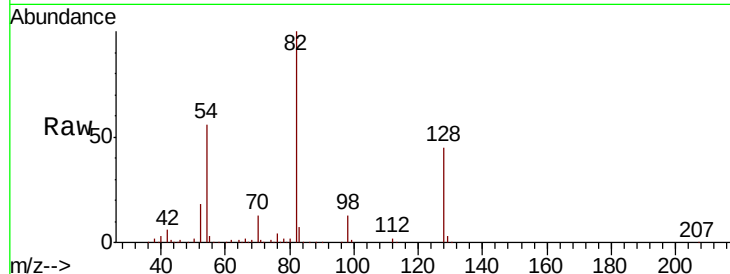




#19
n-Nitroso-di-n-propylamine
Concen: 14.309 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.35 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

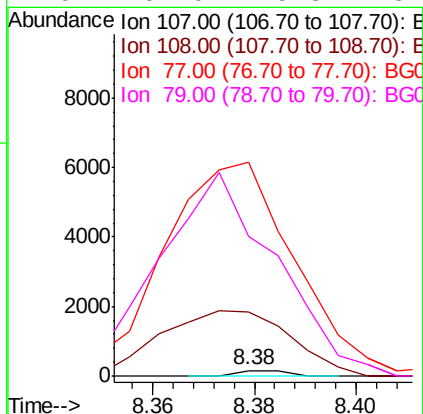
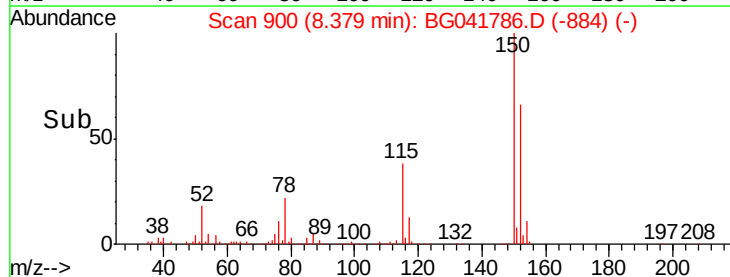
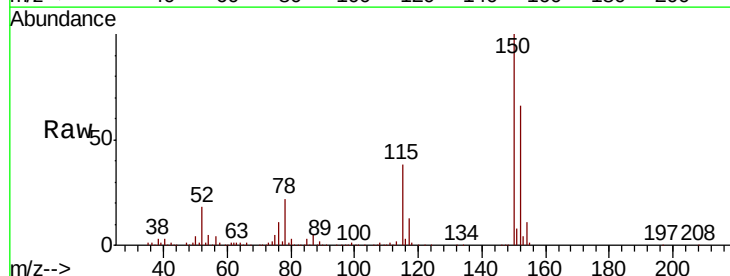
Instrument :
BNA_G
ClientSampleId :
PB121703BL

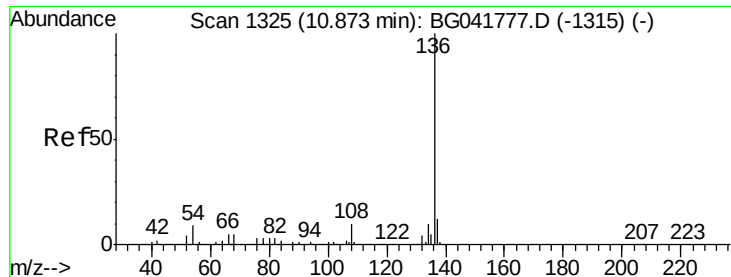
Tgt Ion: 70 Resp: 73795
Ion Ratio Lower Upper
70 100
42 46.3 55.8 83.6#
101 0.0 8.1 12.1#
130 2.1 17.3 25.9#



#20
3+4-Methylphenols
Concen: 0.016 ng
RT: 8.38 min Scan# 900
Delta R.T. -0.44 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Tgt Ion: 107 Resp: 114
Ion Ratio Lower Upper
107 100
108 1147.5 67.5 107.5#
77 3794.4 12.3 52.3#
79 2467.9 8.3 48.3#

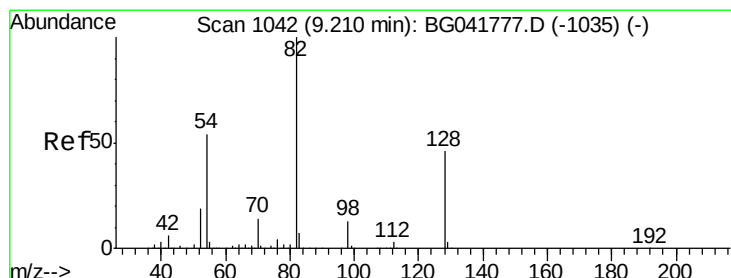
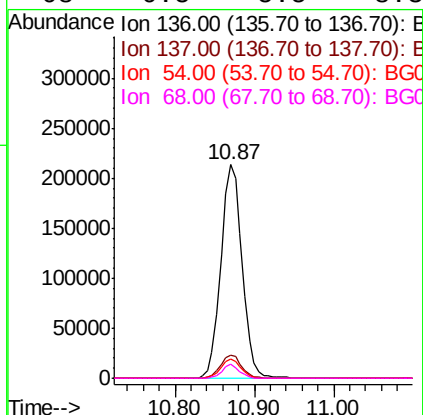
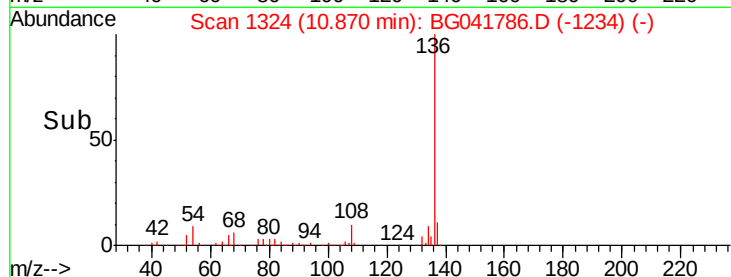
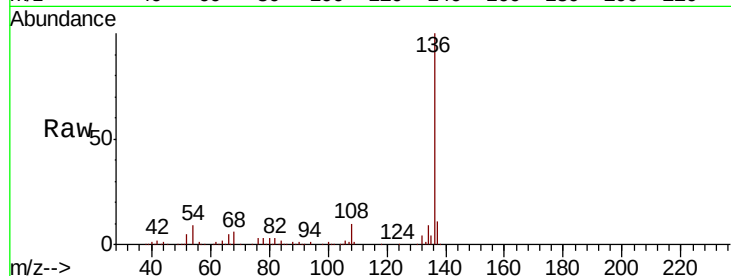




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.00 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

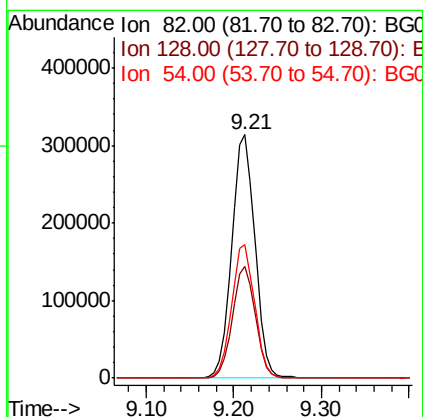
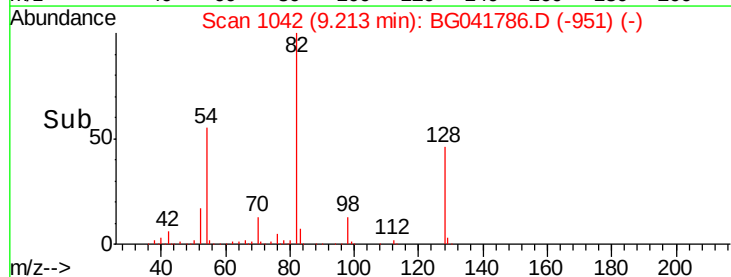
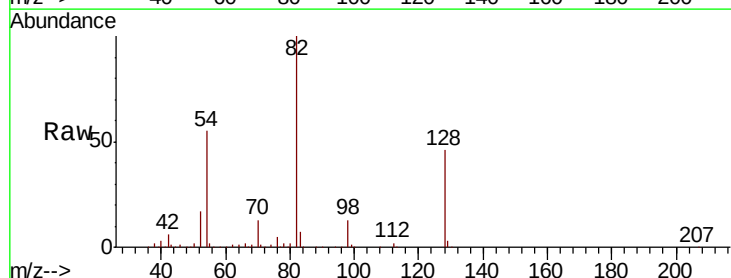
Instrument :
BNA_G
ClientSampleId :
PB121703BL

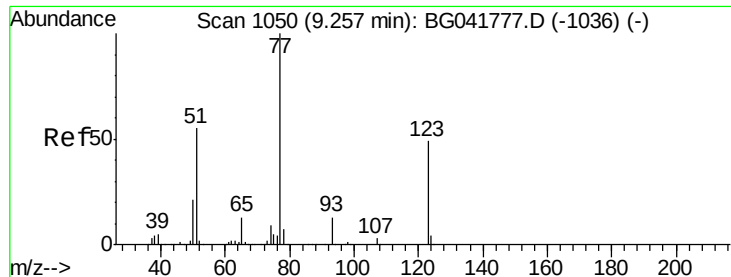
Tgt Ion:	136	Resp:	395360
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	9.2	8.7	13.1
68	6.5	5.5	8.3



#23
Nitrobenzene-d5
Concen: 97.914 ng
RT: 9.21 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Tgt Ion:	82	Resp:	562529
Ion	Ratio	Lower	Upper
82	100		
128	46.2	35.1	52.7
54	54.6	48.7	73.1





#24

Nitrobenzene

Concen: 0.308 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.04 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

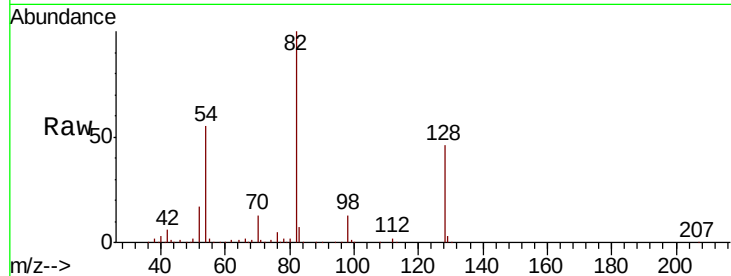
Tgt Ion: 77 Resp: 1866

Ion Ratio Lower Upper

77 100

123 0.0 38.1 57.1#

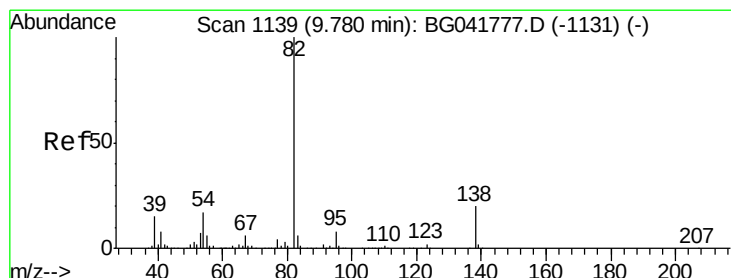
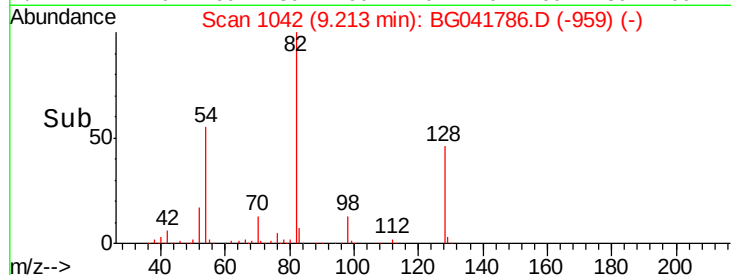
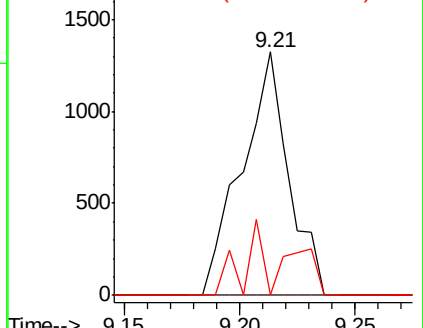
65 0.0 11.0 16.6#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#25

Isophorone

Concen: 0.011 ng

RT: 9.50 min Scan# 1091

Delta R.T. -0.28 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

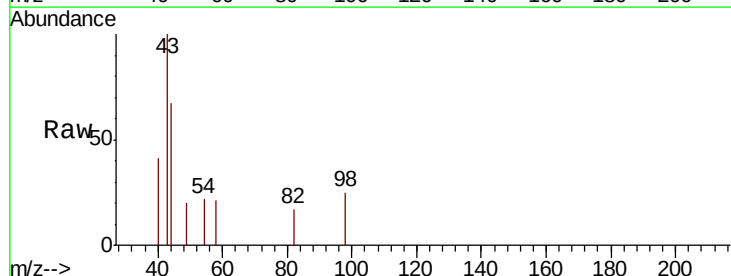
Tgt Ion: 82 Resp: 141

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

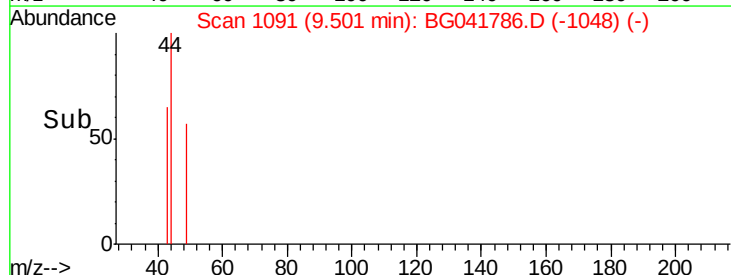
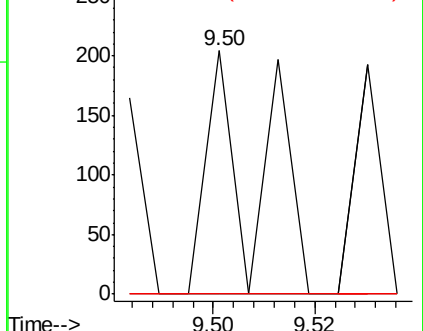
138 0.0 16.3 24.5#

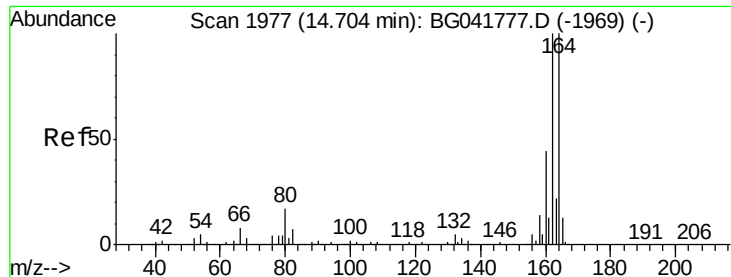


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 138.00 (137.70 to 138.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

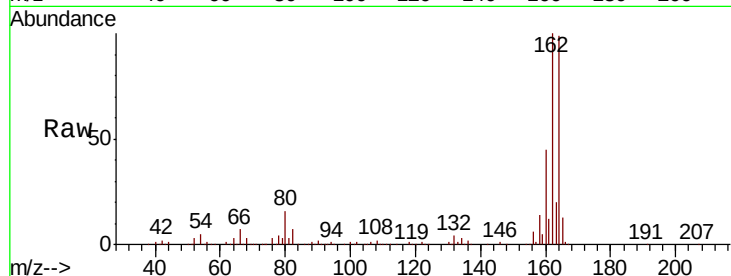
Tgt Ion:164 Resp: 289132

Ion Ratio Lower Upper

164 100

162 100.7 79.6 119.4

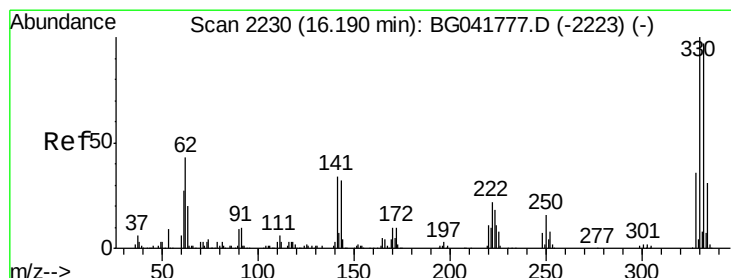
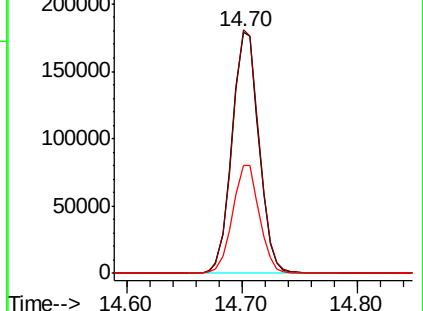
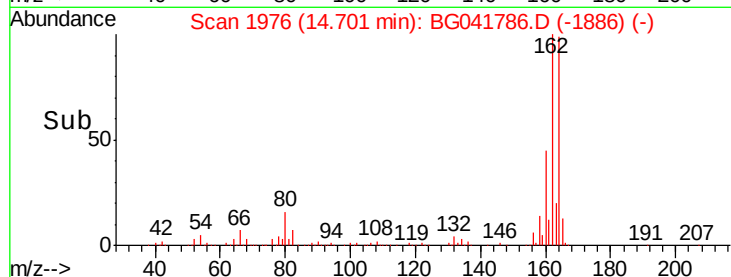
160 44.8 35.4 53.0



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



#42

2,4,6-Tribromophenol

Concen: 152.652 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

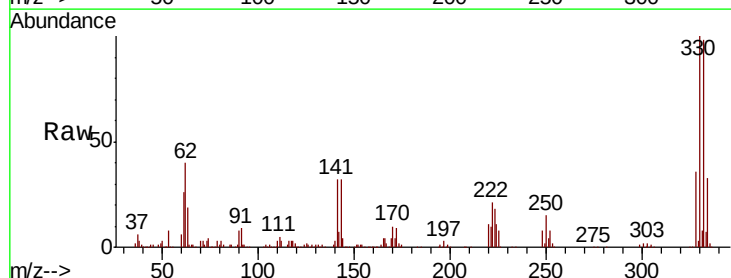
Tgt Ion:330 Resp: 501331

Ion Ratio Lower Upper

330 100

332 97.0 77.4 116.0

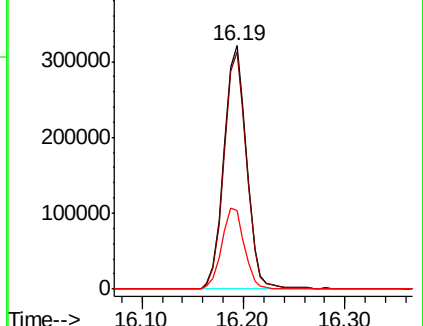
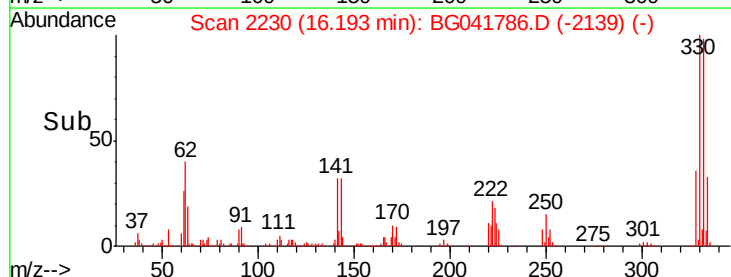
141 33.0 31.9 47.9

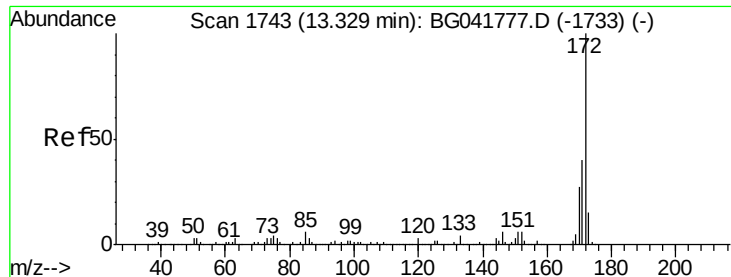


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

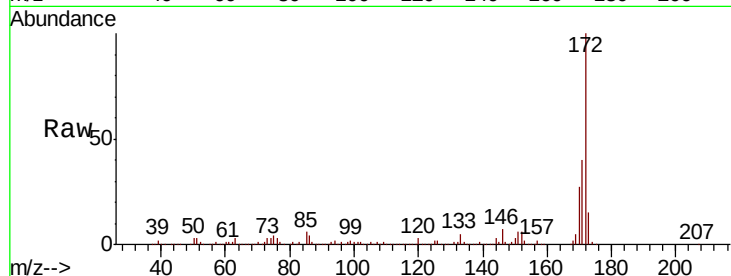




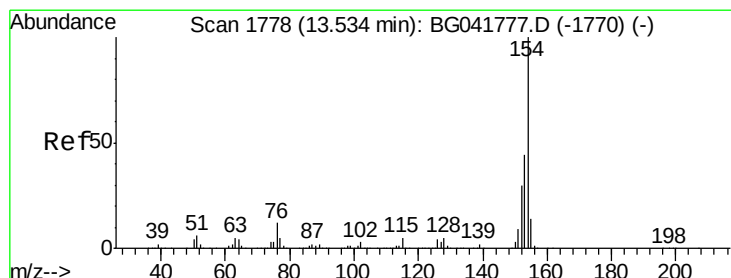
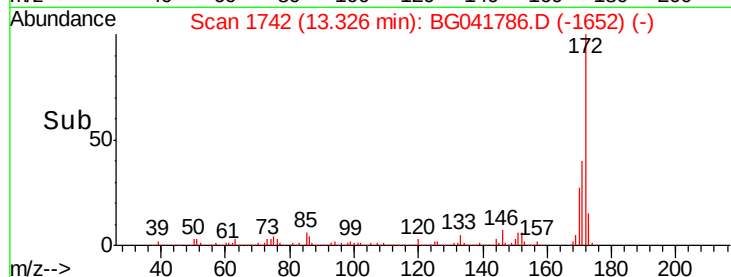
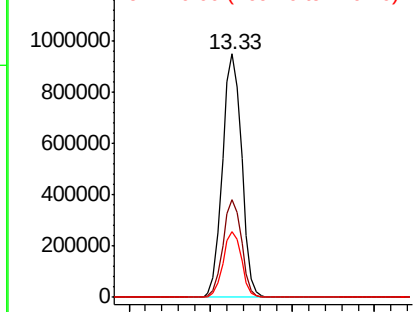
#45
2-Fluorobiphenyl
Concen: 94.733 ng
RT: 13.33 min Scan# 1742
Delta R.T. -0.00 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Instrument :
BNA_G
ClientSampleId :
PB121703BL

Tgt Ion:172 Resp: 1552978
Ion Ratio Lower Upper
172 100
171 40.4 35.0 52.4
170 27.0 23.5 35.3

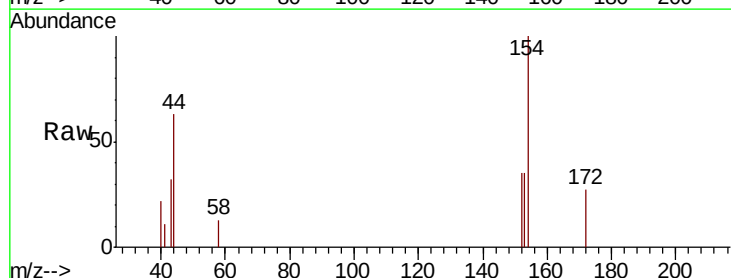


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

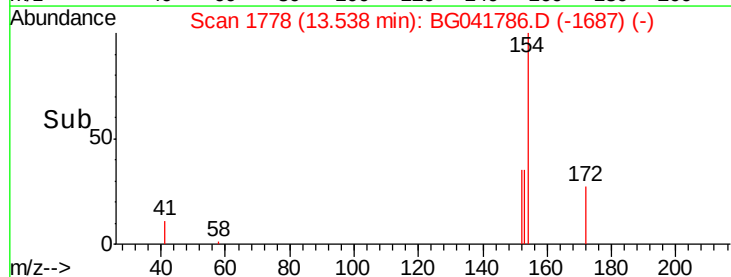
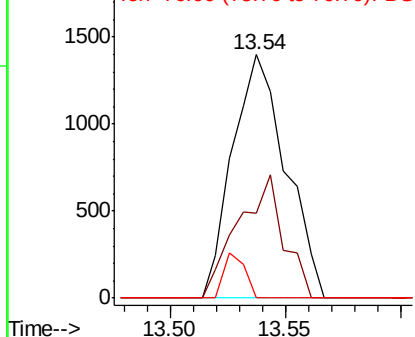


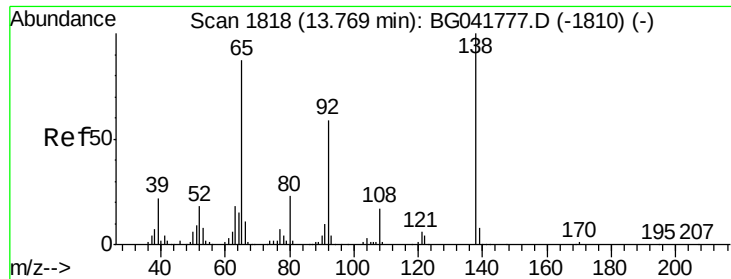
#46
1,1'-Biphenyl
Concen: 0.121 ng
RT: 13.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Tgt Ion:154 Resp: 2242
Ion Ratio Lower Upper
154 100
153 34.9 25.0 65.0
76 0.0 0.0 34.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BG





#48

2-Nitroaniline

Concen: 0.600 ng

RT: 13.33 min Scan# 1742

Delta R.T. -0.44 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

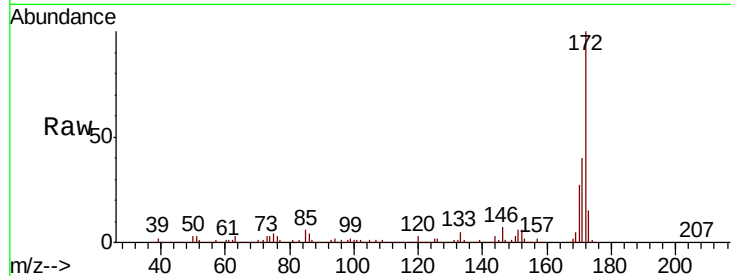
Tgt Ion: 65 Resp: 2409

Ion Ratio Lower Upper

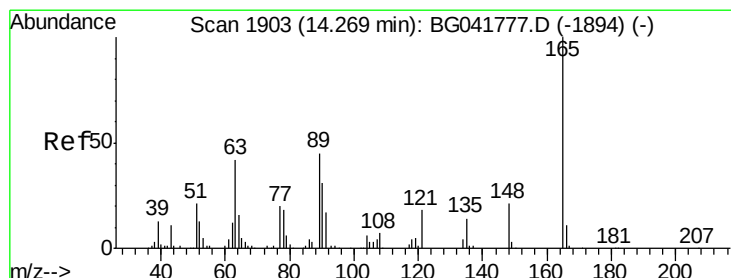
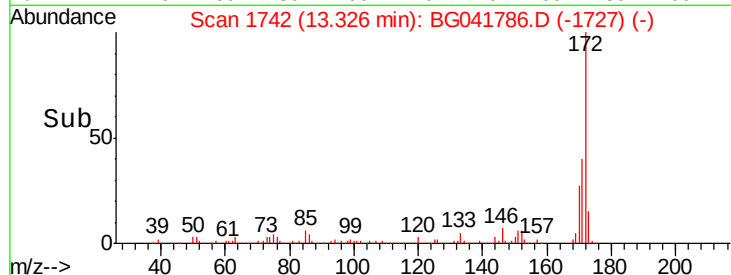
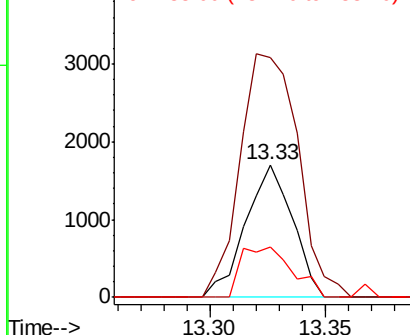
65 100

92 181.3 53.9 80.9#

138 37.8 83.5 125.3#



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



#51

2,6-Dinitrotoluene

Concen: 9.224 ng

RT: 14.70 min Scan# 1976

Delta R.T. 0.43 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

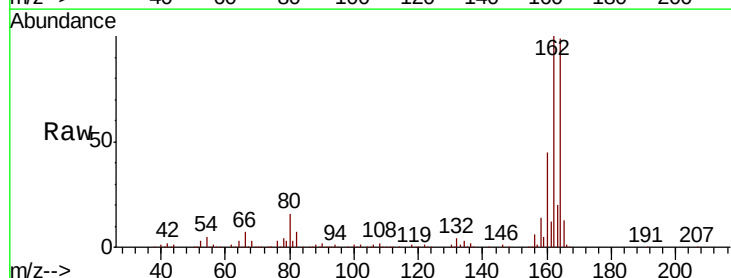
Tgt Ion: 165 Resp: 38085

Ion Ratio Lower Upper

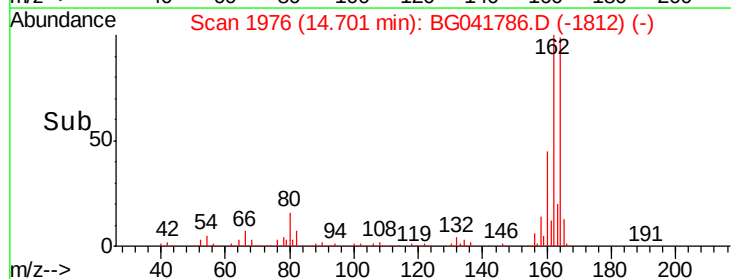
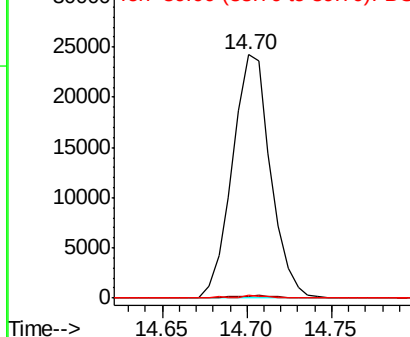
165 100

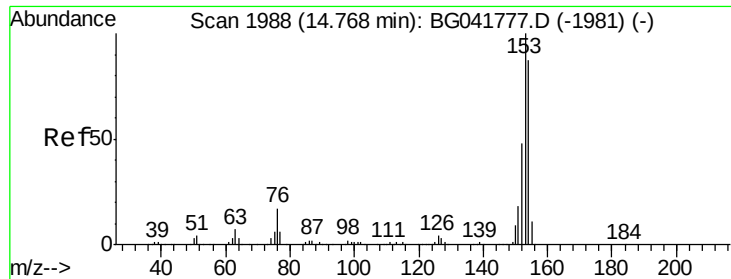
63 0.6 42.4 63.6#

89 1.2 42.1 63.1#



Abundance Ion 165.00 (164.70 to 165.70): BGC
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.069 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.07 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

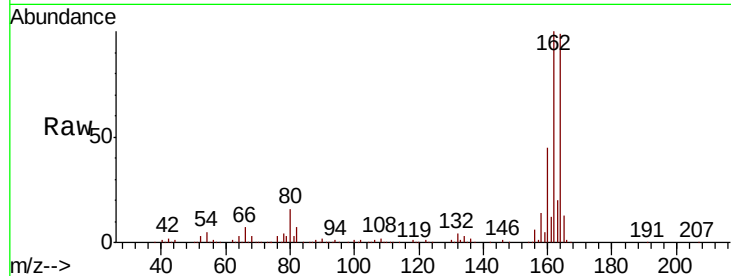
Tgt Ion:154 Resp: 1056

Ion Ratio Lower Upper

154 100

153 0.0 89.8 134.6#

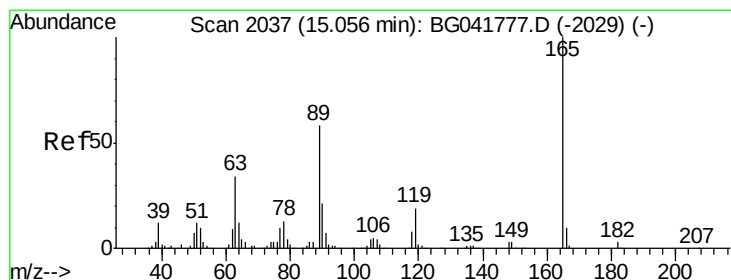
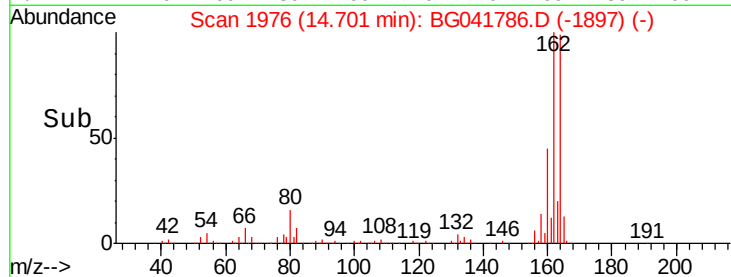
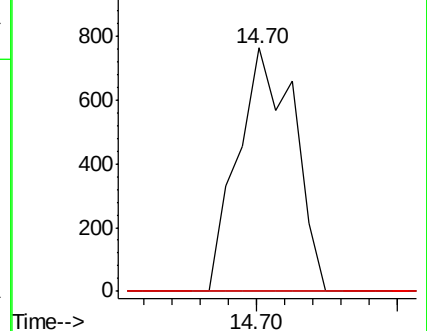
152 0.0 44.9 67.3#



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



#57

2,4-Dinitrotoluene

Concen: 6.707 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.36 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Tgt Ion:165 Resp: 38085

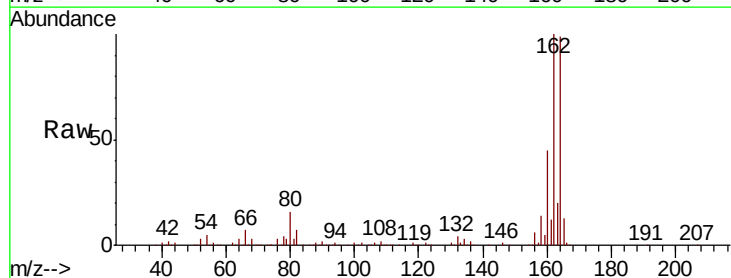
Ion Ratio Lower Upper

165 100

63 0.6 31.7 47.5#

89 1.2 50.2 75.4#

182 0.0 2.6 4.0#

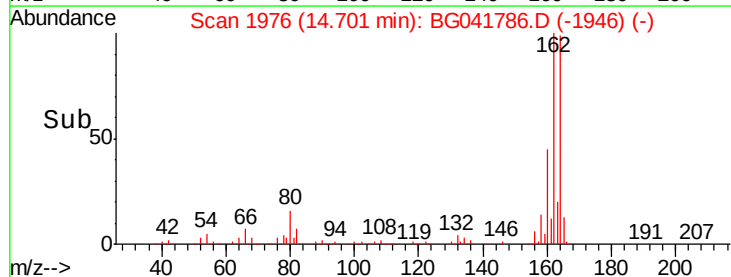
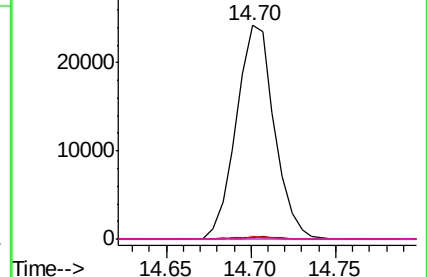


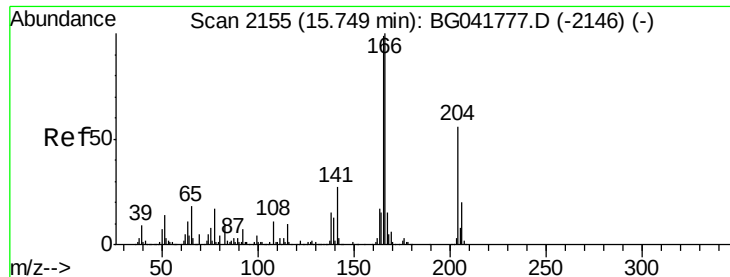
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#58

Fluorene

Concen: 1.107 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.44 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

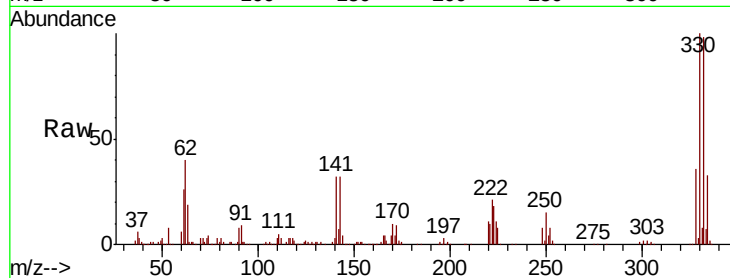
Tgt Ion:166 Resp: 20914

Ion Ratio Lower Upper

166 100

165 101.3 80.5 120.7

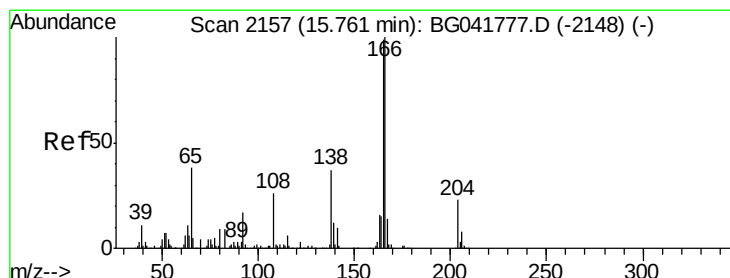
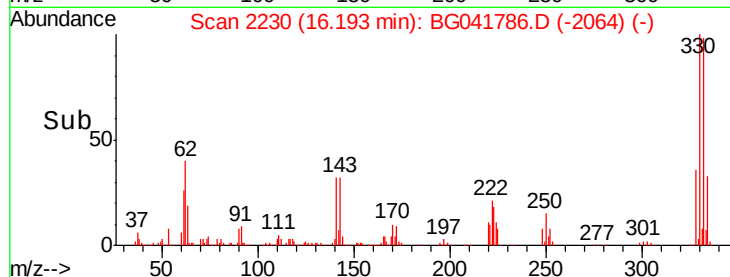
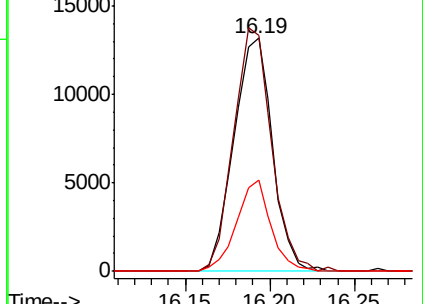
167 38.9 12.4 18.6#



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



#62

4-Nitroaniline

Concen: 0.012 ng

RT: 16.19 min Scan# 2229

Delta R.T. 0.43 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

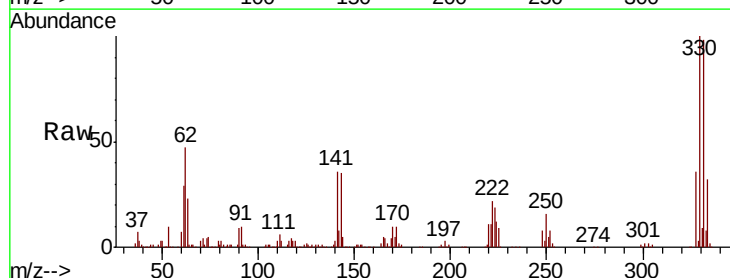
Tgt Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

92 1690.4 29.8 69.8#

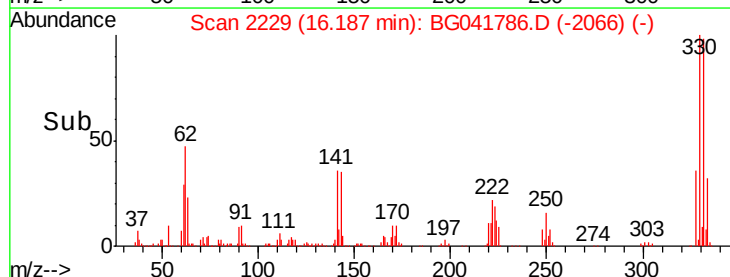
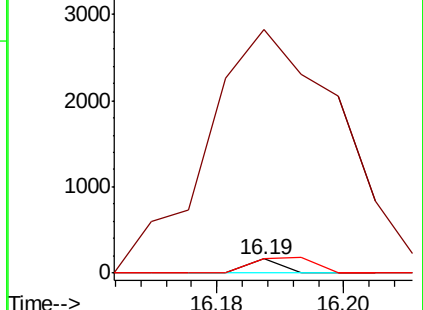
108 104.8 52.2 92.2#

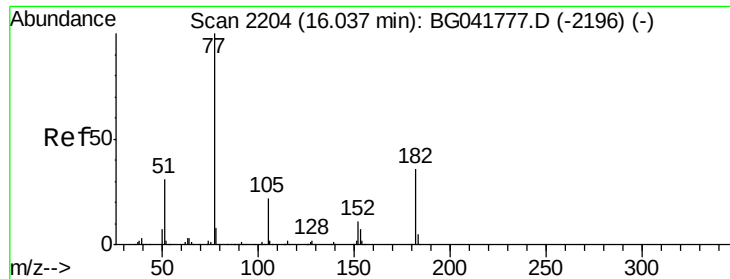


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 0.140 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.16 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

Tgt Ion: 77 Resp: 2225

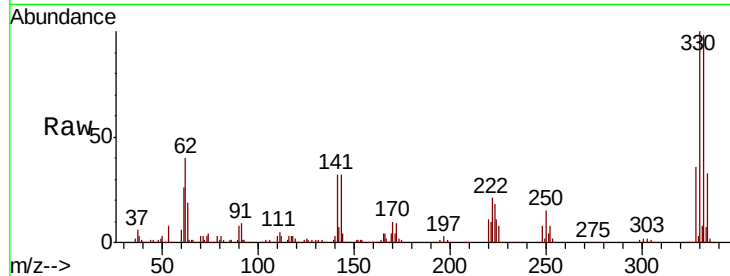
Ion Ratio Lower Upper

77 100

182 0.0 13.2 53.2#

105 94.7 2.2 42.2#

51 68.8 14.6 54.6#

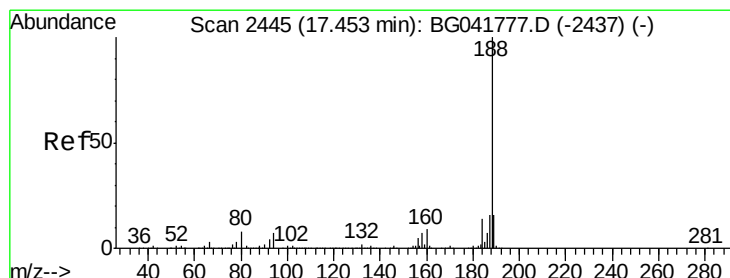
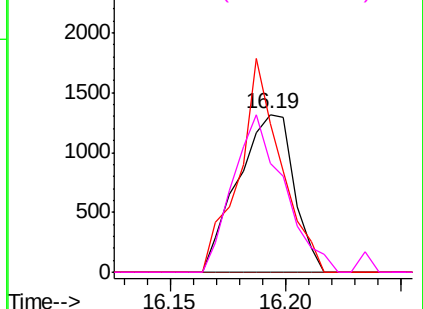
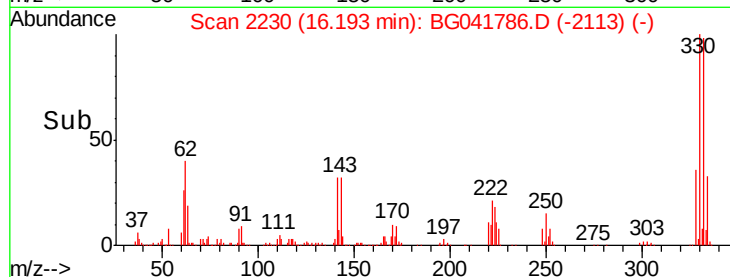


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 182.00 (181.70 to 182.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

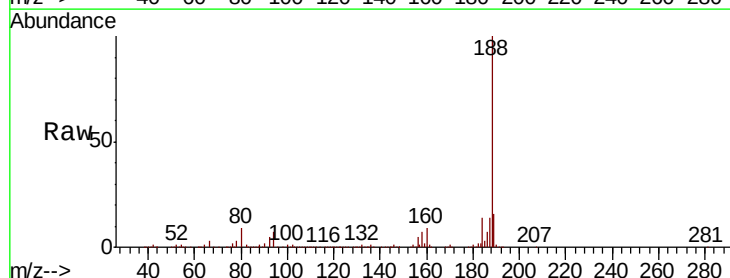
Tgt Ion: 188 Resp: 708068

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

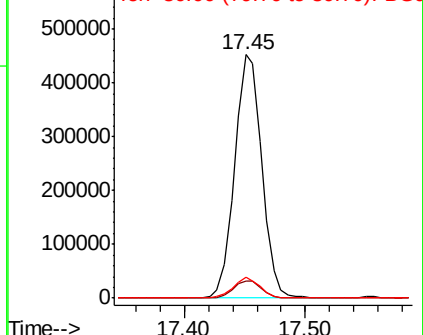
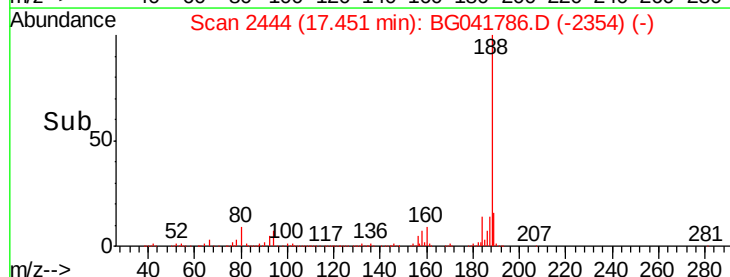
80 8.5 8.0 12.0

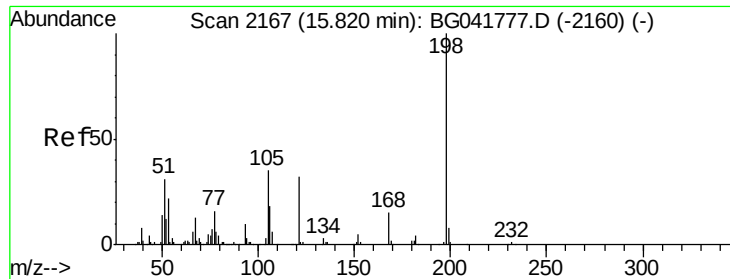


Abundance Ion 188.00 (187.70 to 188.70): BGC

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

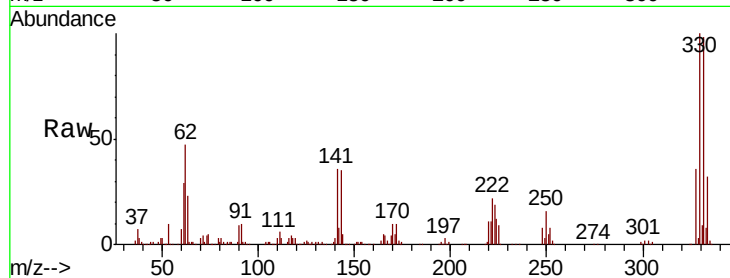




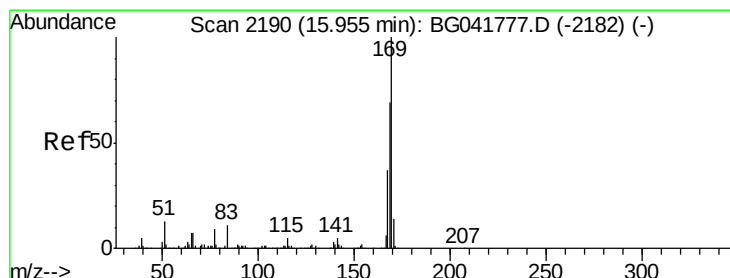
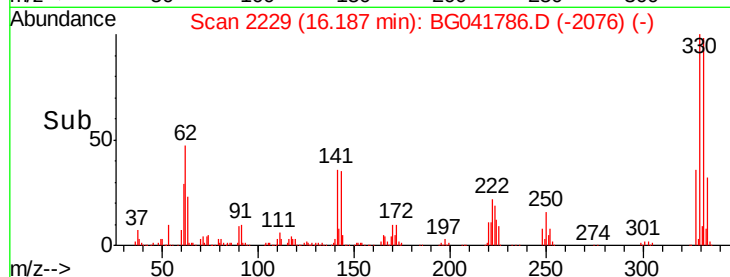
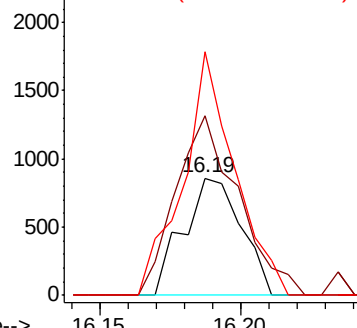
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.154 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. 0.37 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Instrument :
 BNA_G
 ClientSampleId :
 PB121703BL

Tgt Ion:198 Resp: 1218
 Ion Ratio Lower Upper
 198 100
 51 153.4 22.3 62.3#
 105 208.0 18.0 58.0#

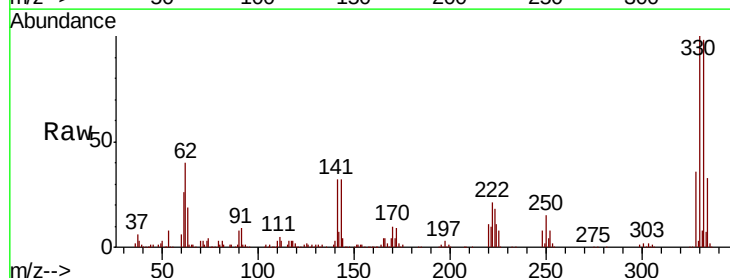


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

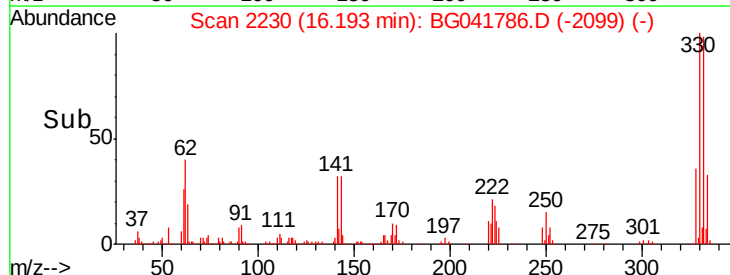
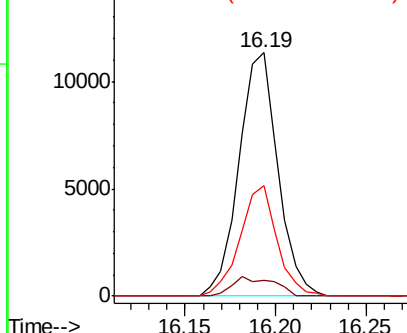


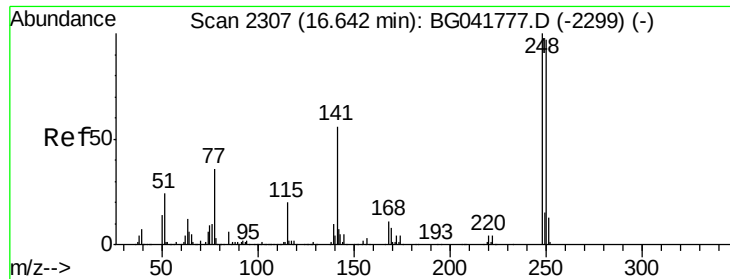
#66
 n-Nitrosodiphenylamine
 Concen: 0.876 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. 0.24 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Tgt Ion:169 Resp: 16890
 Ion Ratio Lower Upper
 169 100
 168 6.6 56.9 85.3#
 167 45.2 31.5 47.3



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

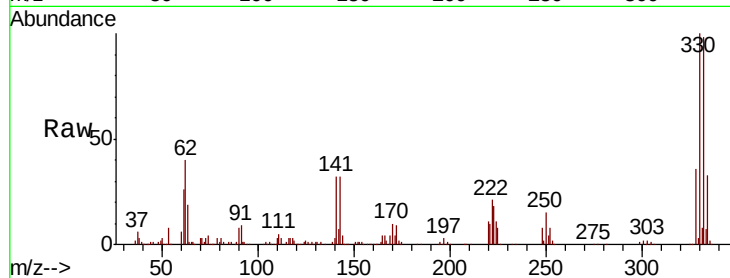




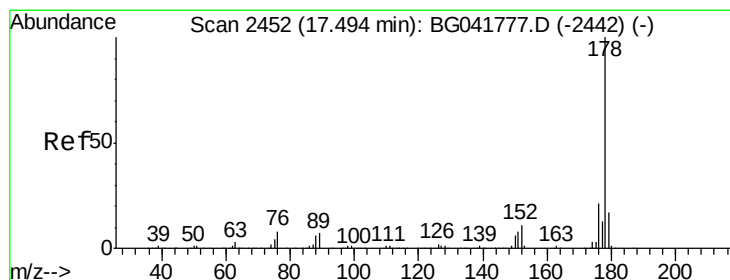
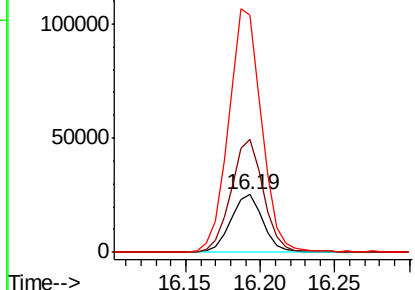
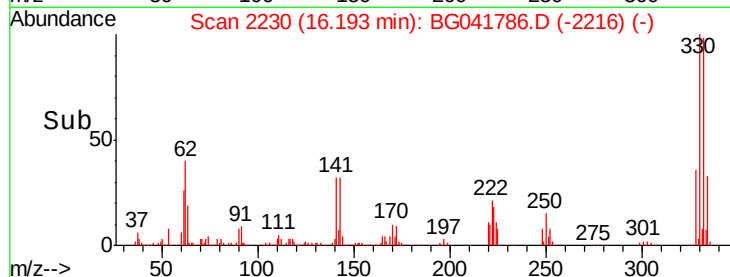
#67
 4-Bromophenyl-phenylether
 Concen: 4.391 ng
 RT: 16.19 min Scan# 2230
 Delta R.T. -0.45 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Instrument :
 BNA_G
 ClientSampleId :
 PB121703BL

Tgt Ion:248 Resp: 38299
 Ion Ratio Lower Upper
 248 100
 250 194.6 78.1 117.1#
 141 409.7 49.6 74.4#

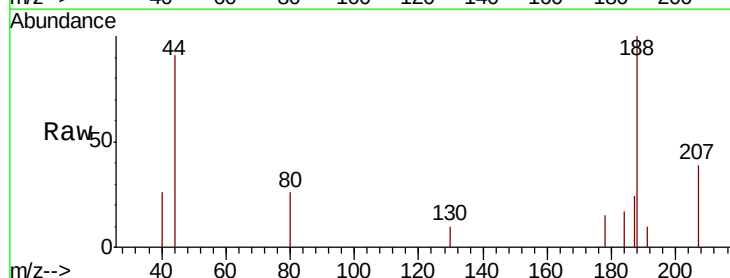


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

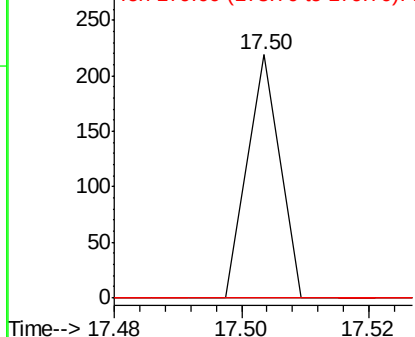
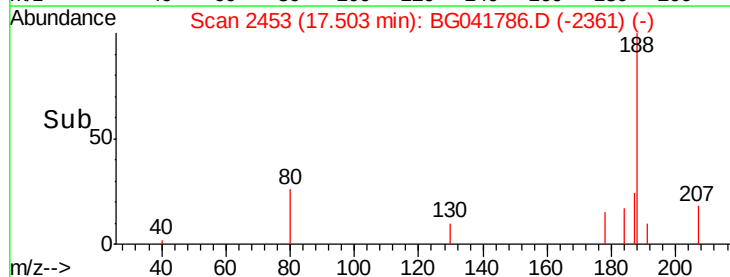


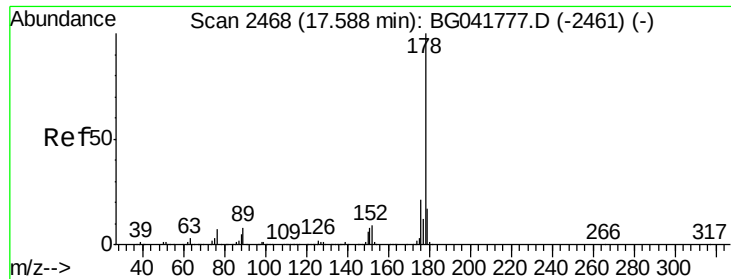
#71
 Phenanthrene
 Concen: 0.002 ng
 RT: 17.50 min Scan# 2453
 Delta R.T. 0.01 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Tgt Ion:178 Resp: 77
 Ion Ratio Lower Upper
 178 100
 176 0.0 18.6 28.0#
 179 0.0 15.4 23.0#



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

Anthracene

Concen: 0.002 ng

RT: 17.50 min Scan# 2453

Delta R.T. -0.08 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

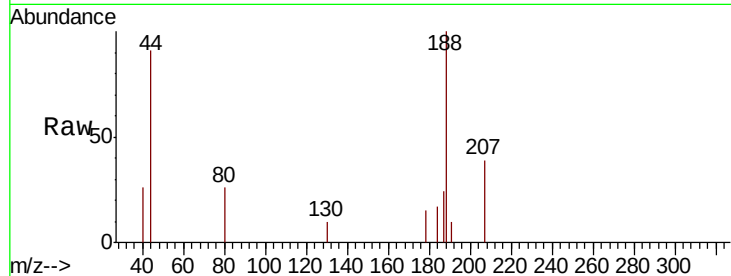
Tgt Ion:178 Resp: 77

Ion Ratio Lower Upper

178 100

176 0.0 18.6 28.0#

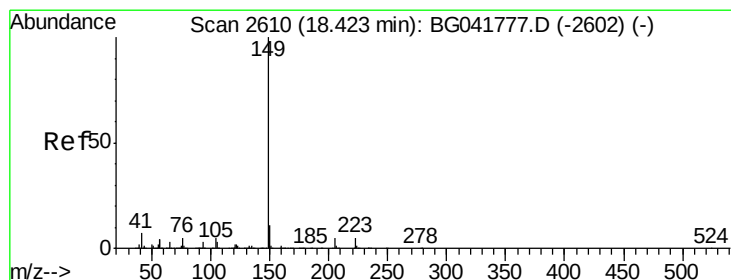
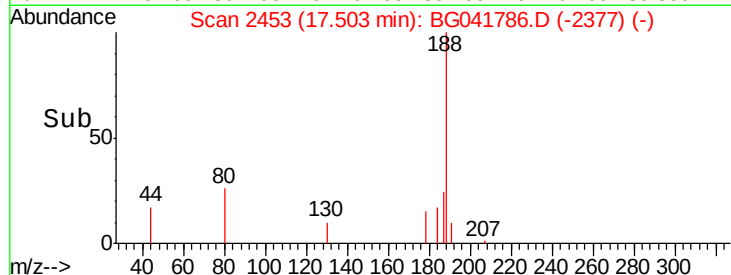
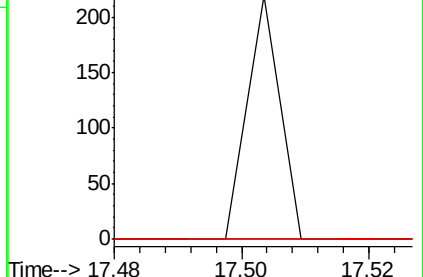
179 0.0 15.1 22.7#



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



#74

Di-n-butylphthalate

Concen: 0.017 ng

RT: 18.43 min Scan# 2610

Delta R.T. 0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

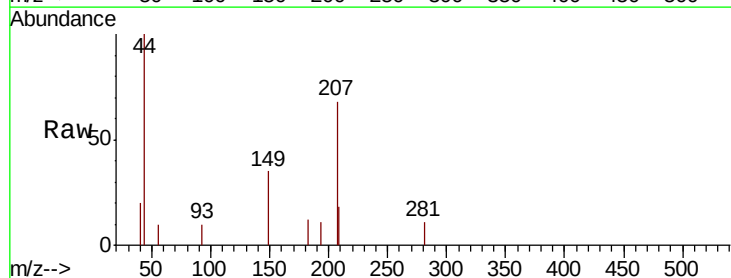
Tgt Ion:149 Resp: 598

Ion Ratio Lower Upper

149 100

150 0.0 10.2 15.2#

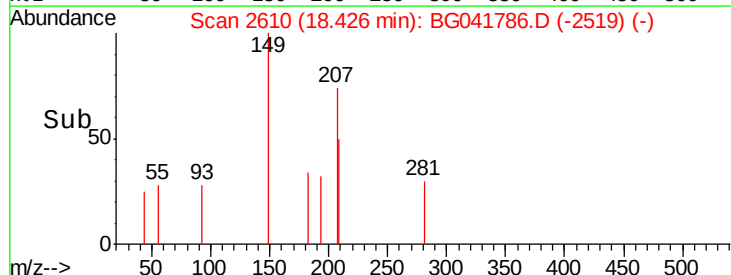
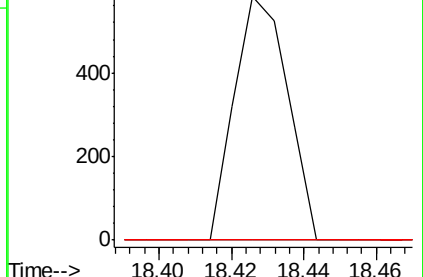
104 0.0 5.3 7.9#

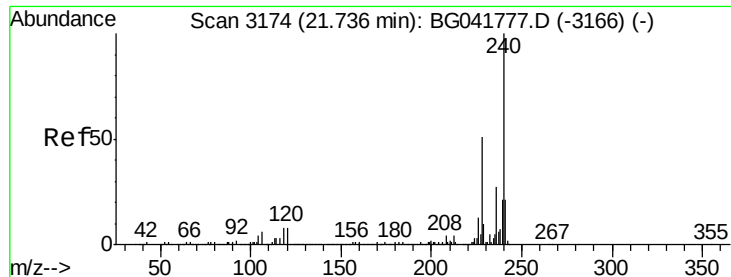


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

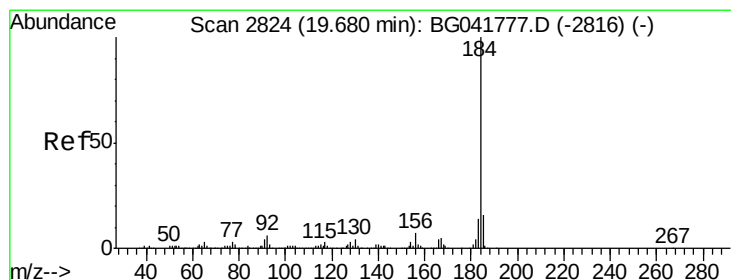
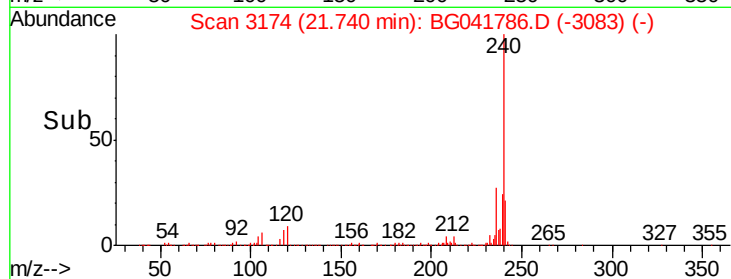
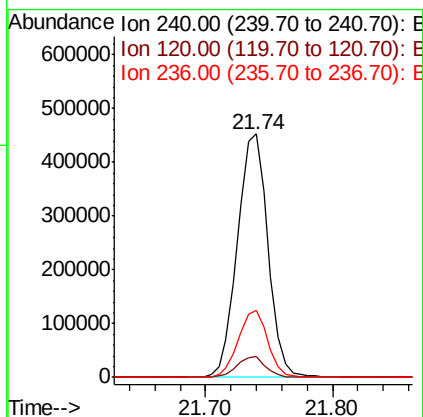
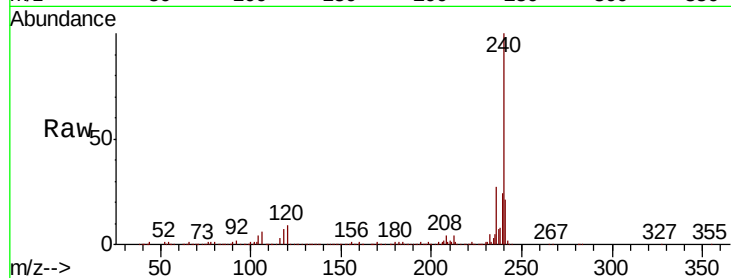




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.74 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

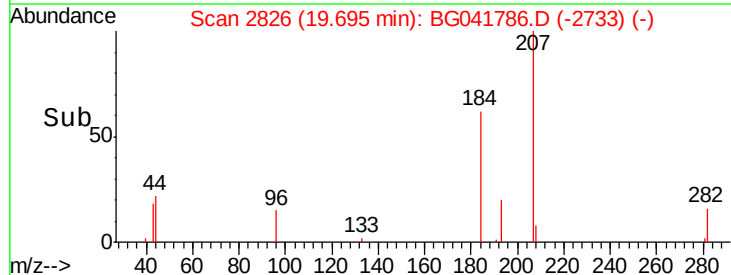
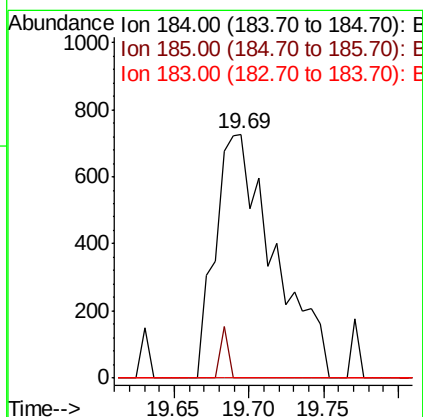
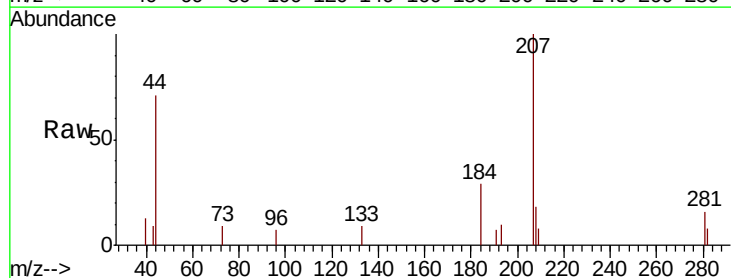
Instrument :
BNA_G
ClientSampleId :
PB121703BL

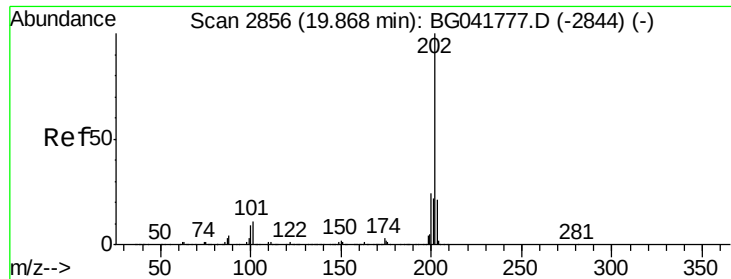
Tgt Ion: 240 Resp: 753414
Ion Ratio Lower Upper
240 100
120 8.6 8.0 12.0
236 27.3 22.6 33.8



#77
Benzidine
Concen: 0.081 ng
RT: 19.69 min Scan# 2826
Delta R.T. 0.01 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Tgt Ion: 184 Resp: 1998
Ion Ratio Lower Upper
184 100
185 0.0 13.0 19.4#
183 0.0 11.8 17.6#





#78

Pyrene

Concen: 0.276 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.20 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

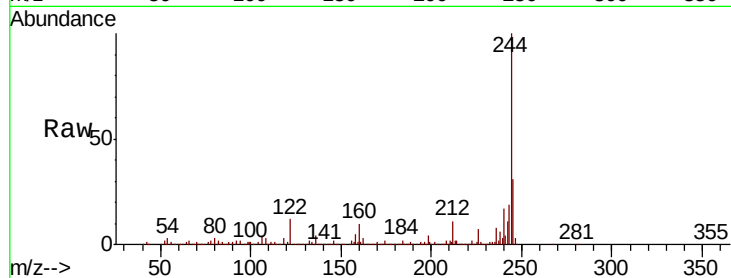
Tgt Ion:202 Resp: 12324

Ion Ratio Lower Upper

202 100

200 46.4 22.2 33.2#

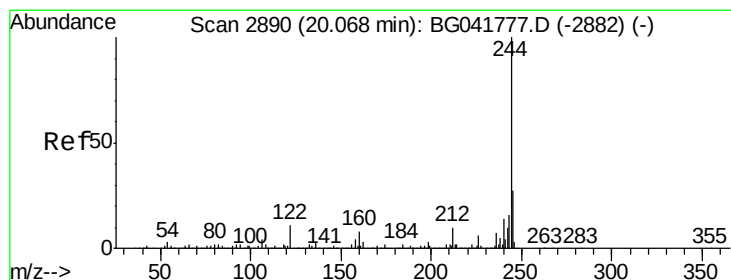
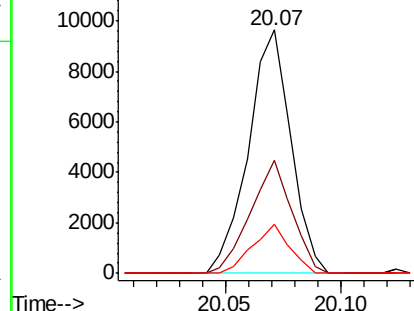
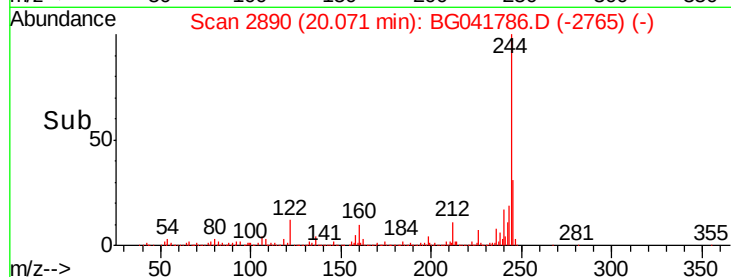
203 20.4 18.9 28.3



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



#79

Terphenyl-d14

Concen: 82.339 ng

RT: 20.07 min Scan# 2890

Delta R.T. 0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

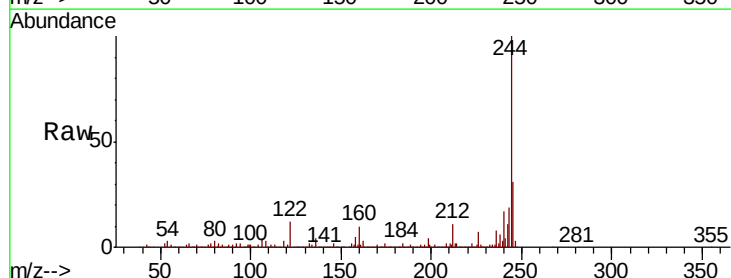
Tgt Ion:244 Resp: 2711035

Ion Ratio Lower Upper

244 100

212 11.2 9.7 14.5

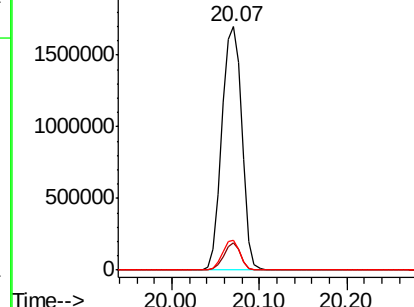
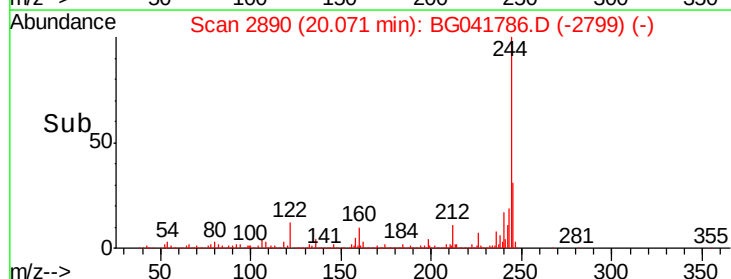
122 12.4 12.5 18.7#

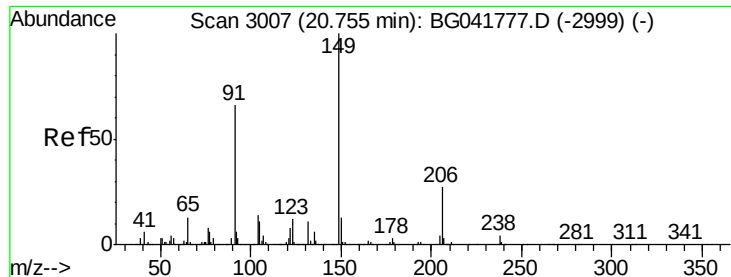


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

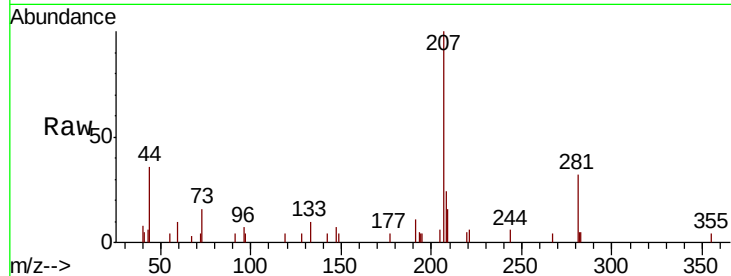




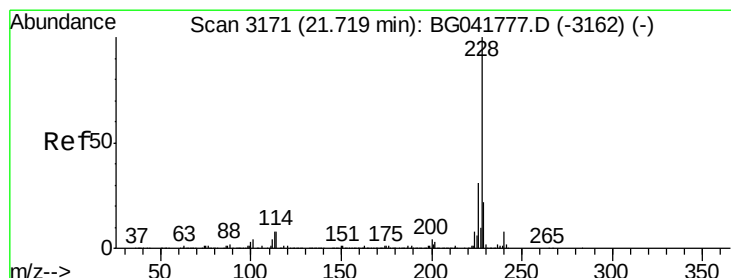
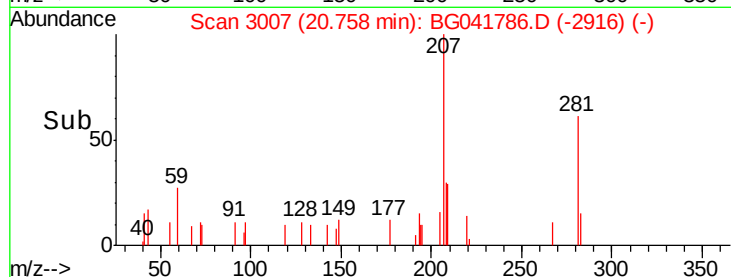
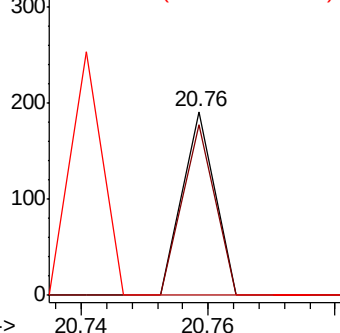
#80
Butylbenzylphthalate
Concen: 0.004 ng
RT: 20.76 min Scan# 3007
Delta R.T. 0.00 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Instrument :
BNA_G
ClientSampleId :
PB121703BL

Tgt Ion:149 Resp: 67
Ion Ratio Lower Upper
149 100
91 92.7 58.9 88.3#
206 0.0 20.8 31.2#

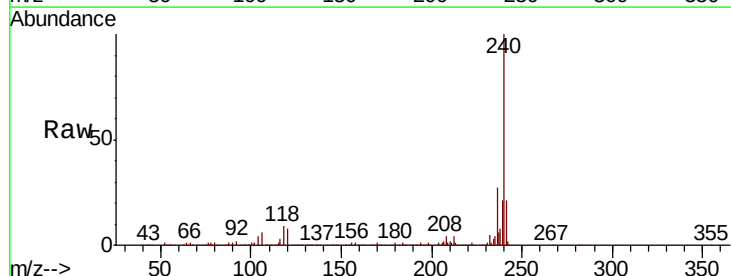


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E

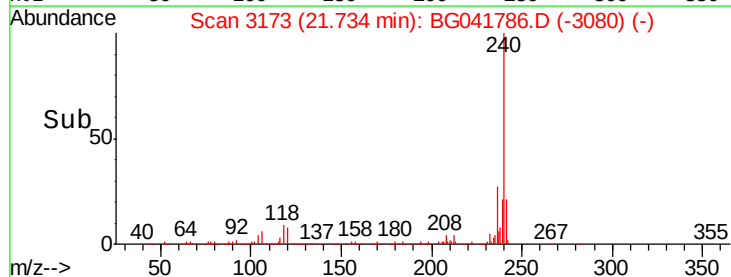
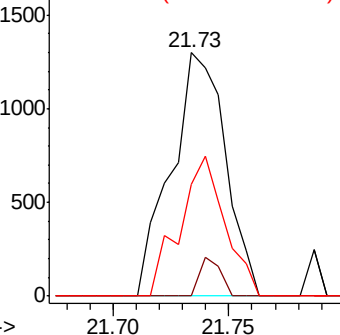


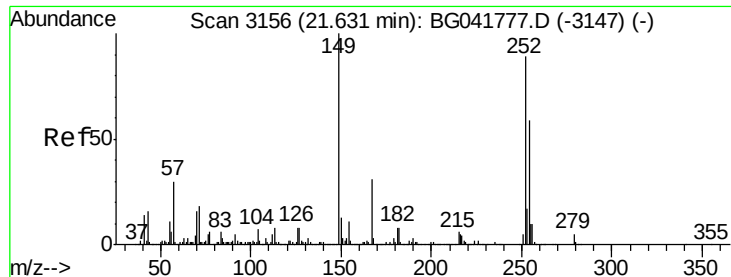
#81
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.73 min Scan# 3173
Delta R.T. 0.01 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Tgt Ion:228 Resp: 2124
Ion Ratio Lower Upper
228 100
226 0.0 27.3 40.9#
229 45.8 19.7 29.5#



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

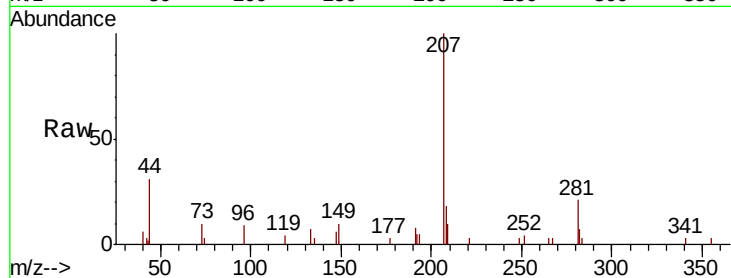




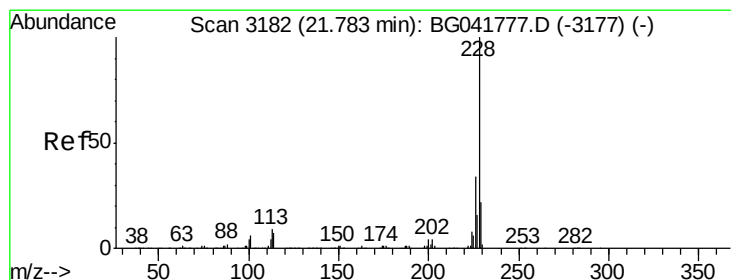
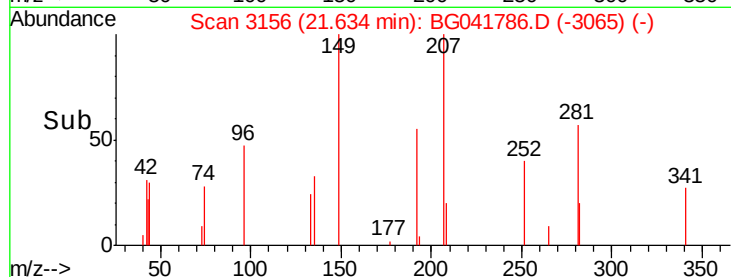
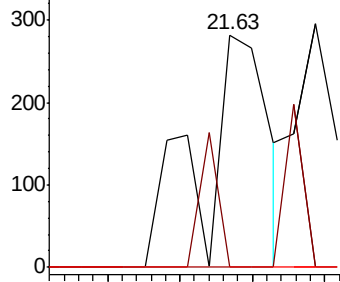
#82
 3,3'-Dichlorobenzidine
 Concen: 0.020 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Instrument :
 BNA_G
 ClientSampleId :
 PB121703BL

Tgt Ion: 252 Resp: 359
 Ion Ratio Lower Upper
 252 100
 254 0.0 53.8 80.6#
 126 0.0 7.8 11.8#

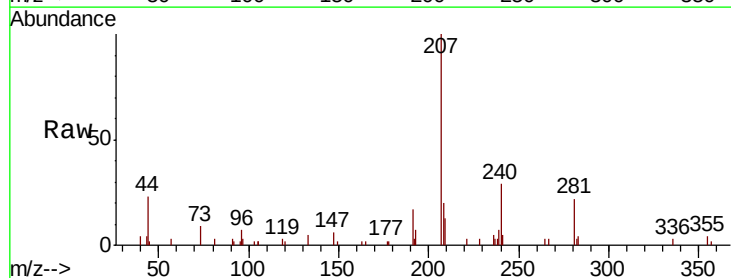


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

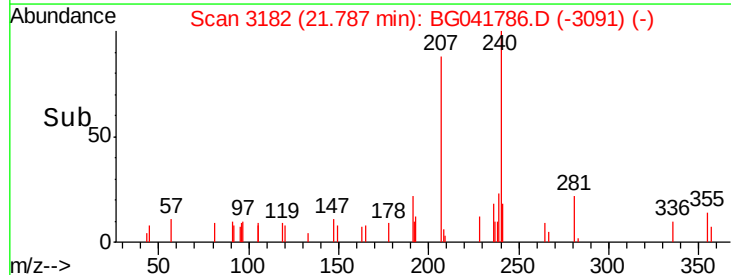
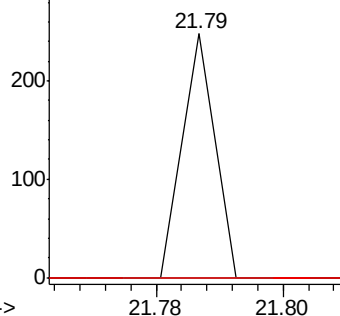


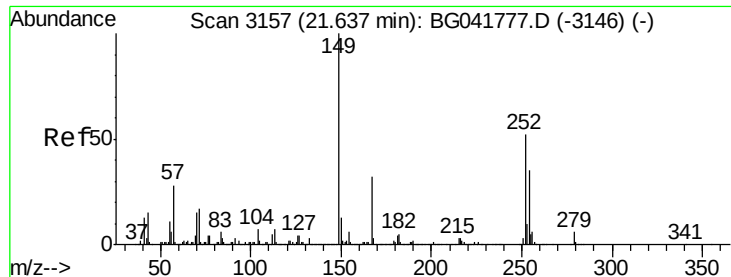
#83
 Chrysene
 Concen: 0.002 ng
 RT: 21.79 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Tgt Ion: 228 Resp: 87
 Ion Ratio Lower Upper
 228 100
 226 0.0 30.1 45.1#
 229 0.0 19.8 29.6#



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

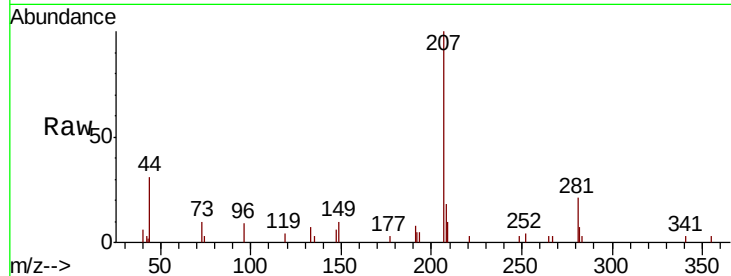




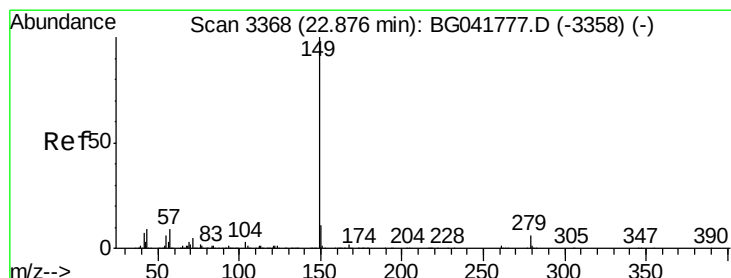
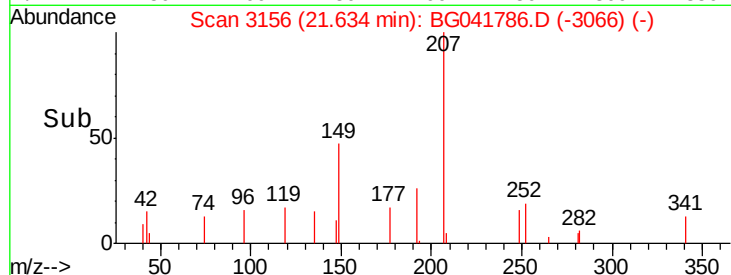
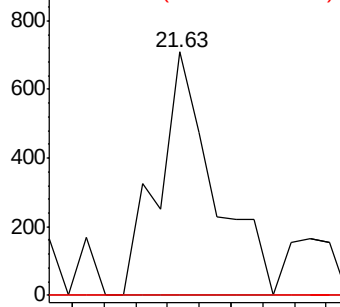
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 0.036 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Instrument :
 BNA_G
 ClientSampleId :
 PB121703BL

Tgt Ion:149 Resp: 858
 Ion Ratio Lower Upper
 149 100
 167 0.0 27.0 40.4#
 279 0.0 5.0 7.6#

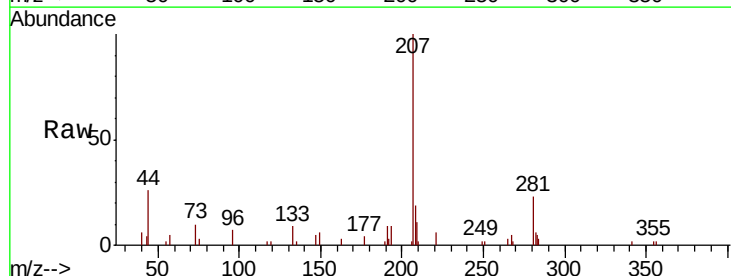


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

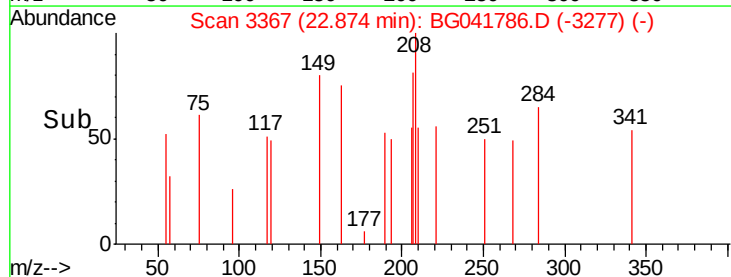
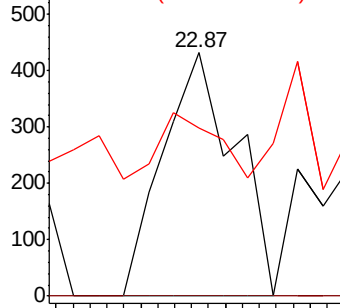


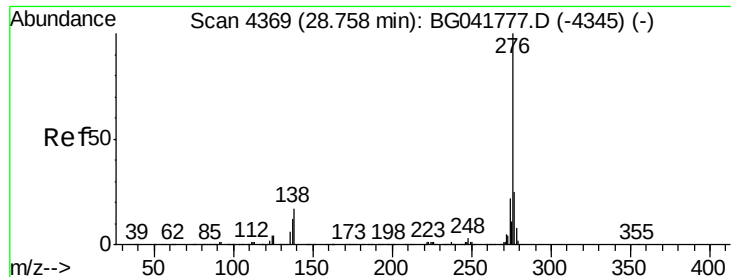
#85
 Di-n-octyl phthalate
 Concen: 0.013 ng
 RT: 22.87 min Scan# 3367
 Delta R.T. -0.00 min
 Lab File: BG041786.D
 Acq: 29 Jul 2019 11:42

Tgt Ion:149 Resp: 515
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.6 2.4#
 43 0.0 10.6 16.0#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.003 ng

RT: 28.76 min Scan# 4369

Delta R.T. 0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

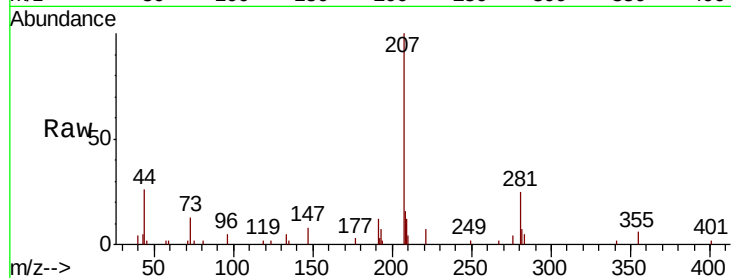
Tgt Ion:276 Resp: 179

Ion Ratio Lower Upper

276 100

138 0.0 19.4 29.0#

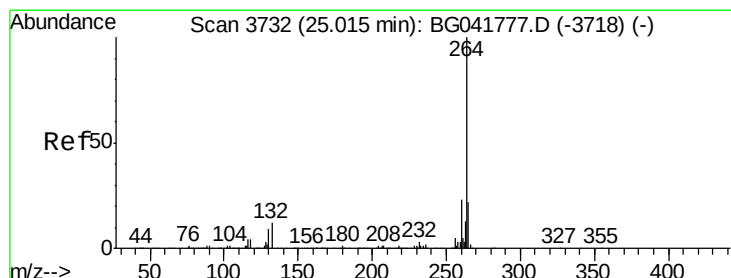
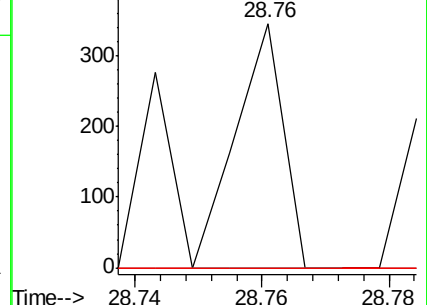
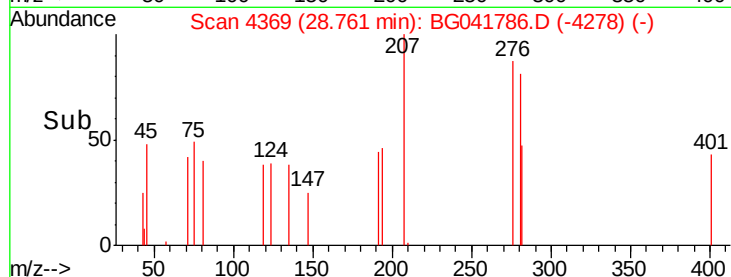
277 0.0 21.2 31.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

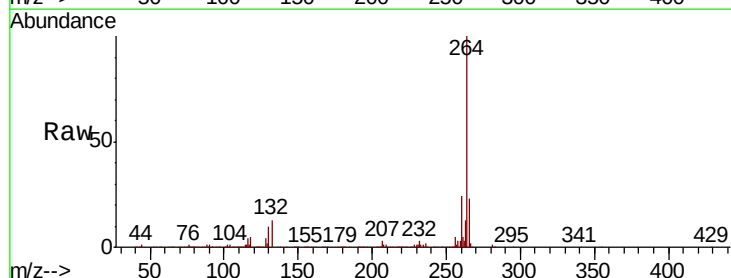
Tgt Ion:264 Resp: 845324

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

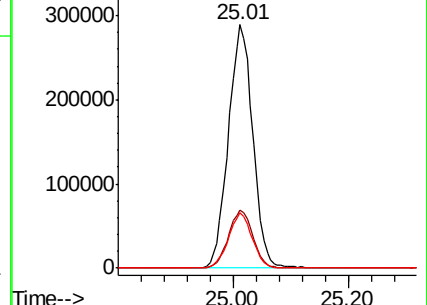
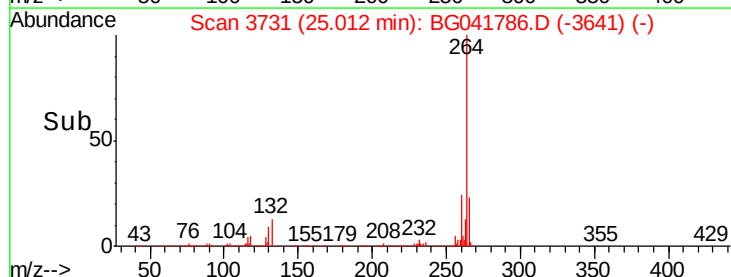
265 23.0 18.0 27.0

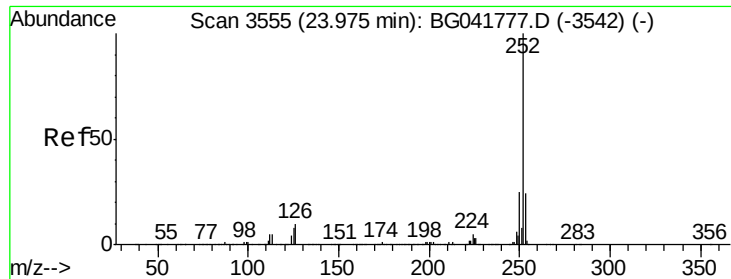


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

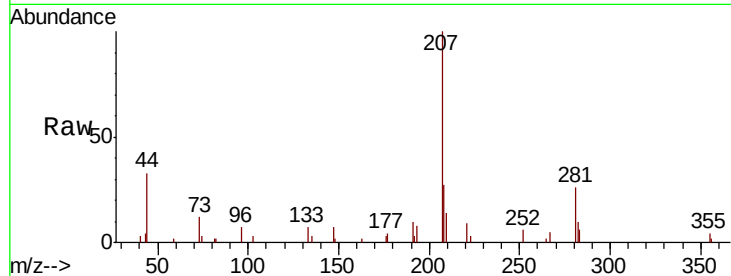




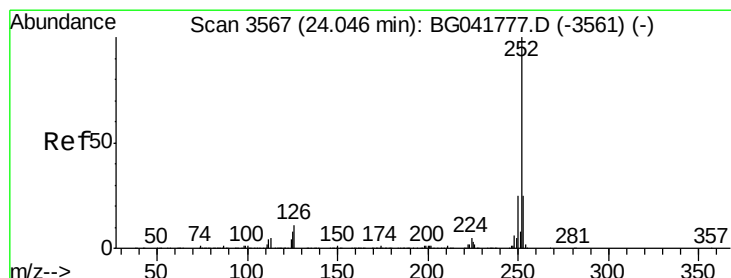
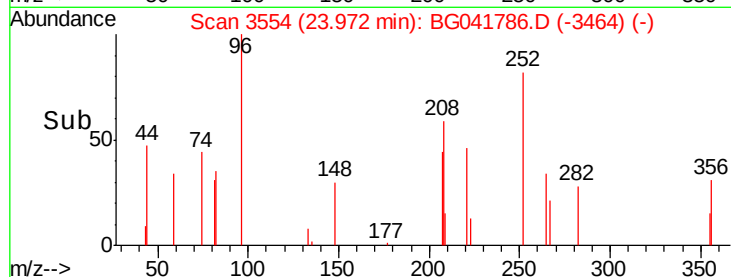
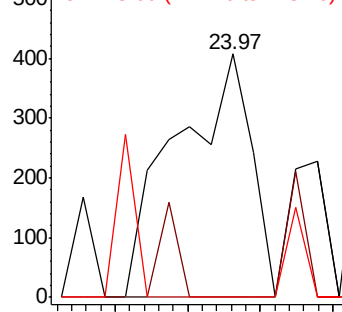
#88
Benzo(b)fluoranthene
Concen: 0.013 ng
RT: 23.97 min Scan# 3554
Delta R.T. -0.00 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Instrument :
BNA_G
ClientSampleId :
PB121703BL

Tgt Ion: 252 Resp: 589
Ion Ratio Lower Upper
252 100
253 0.0 20.6 30.8#
125 0.0 8.0 12.0#

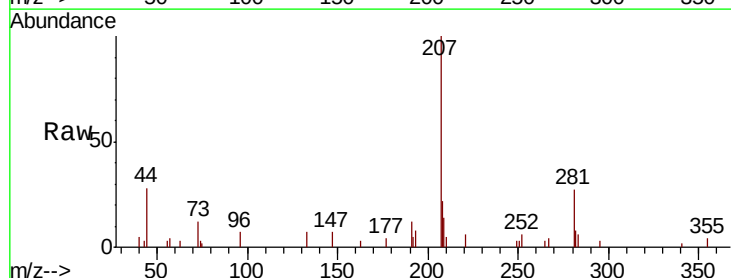


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

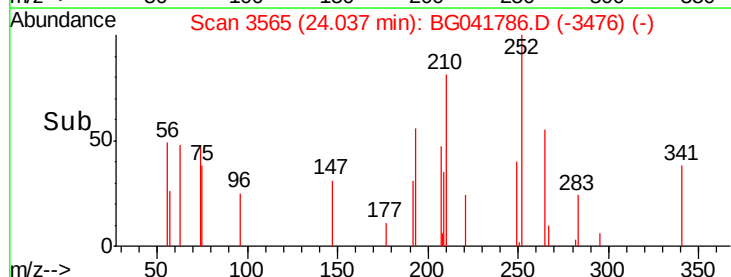
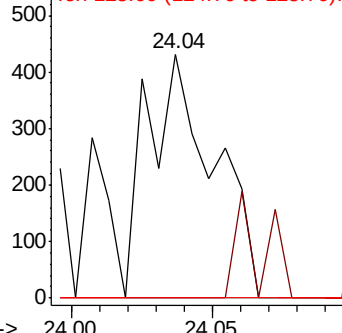


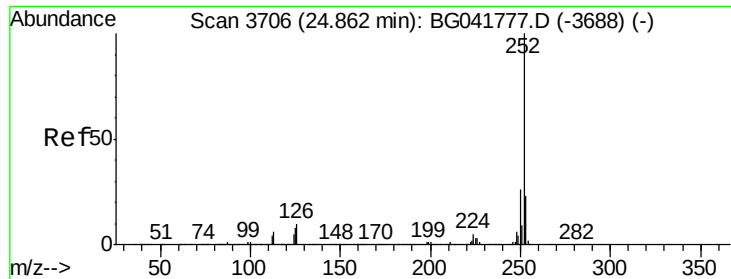
#89
Benzo(k)fluoranthene
Concen: 0.016 ng
RT: 24.04 min Scan# 3565
Delta R.T. -0.01 min
Lab File: BG041786.D
Acq: 29 Jul 2019 11:42

Tgt Ion: 252 Resp: 709
Ion Ratio Lower Upper
252 100
253 0.0 20.5 30.7#
125 0.0 8.4 12.6#



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





#90

Benzo(a)pyrene

Concen: 0.019 ng

RT: 24.86 min Scan# 3705

Delta R.T. -0.00 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL

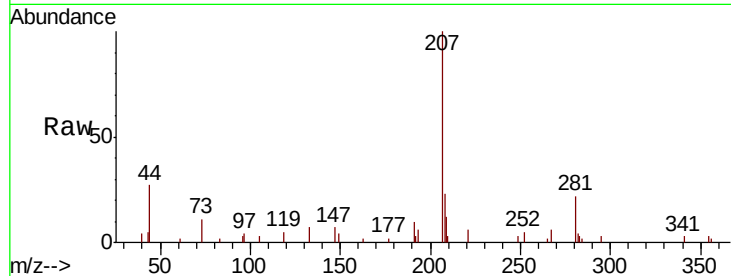
Tgt Ion: 252 Resp: 859

Ion Ratio Lower Upper

252 100

253 0.0 19.8 29.8#

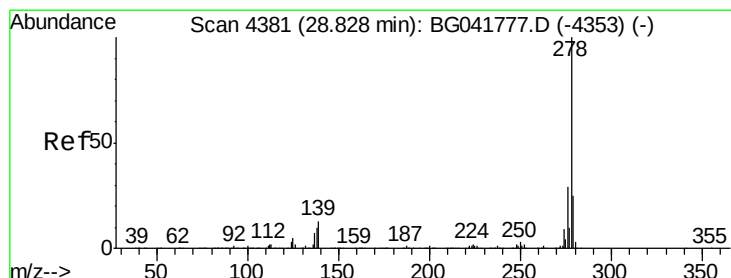
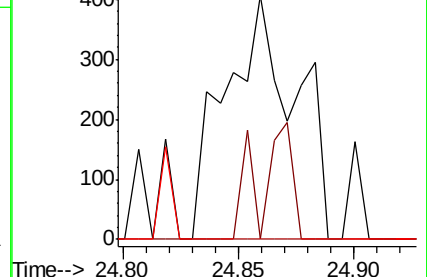
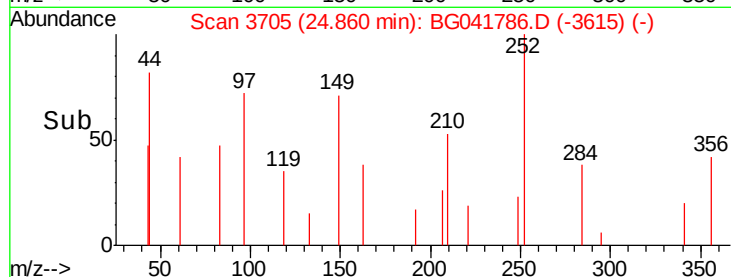
125 0.0 8.8 13.2#



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



#91

Dibenzo(a,h)anthracene

Concen: 0.010 ng

RT: 28.80 min Scan# 4375

Delta R.T. -0.03 min

Lab File: BG041786.D

Acq: 29 Jul 2019 11:42

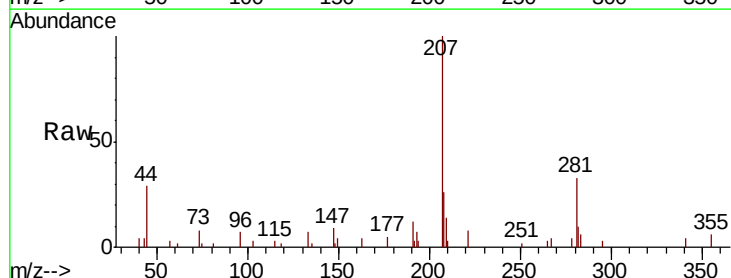
Tgt Ion: 278 Resp: 447

Ion Ratio Lower Upper

278 100

139 0.0 12.6 19.0#

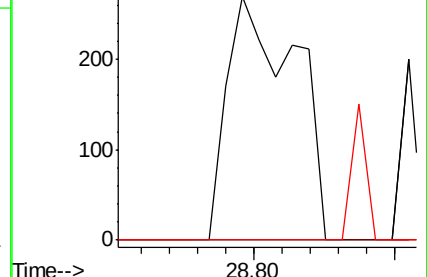
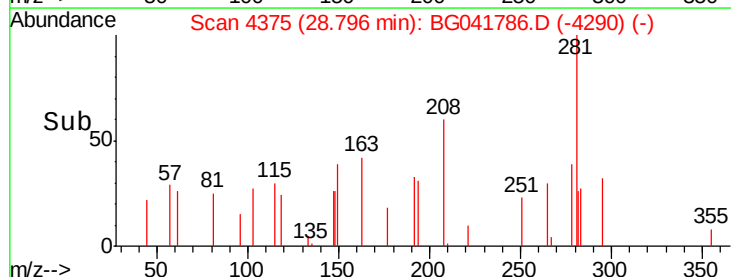
279 0.0 20.5 30.7#

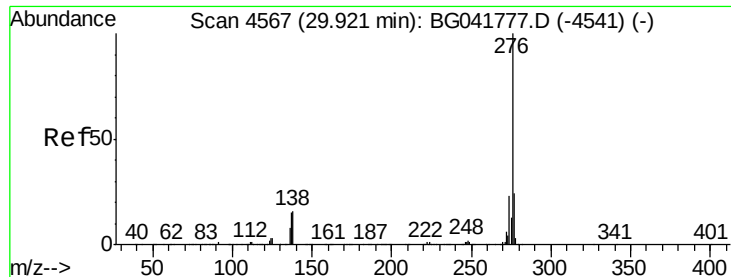


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 0.013 ng

RT: 29.92 min Scan# 4567

Delta R.T. 0.00 min

Lab File: BG041786.D

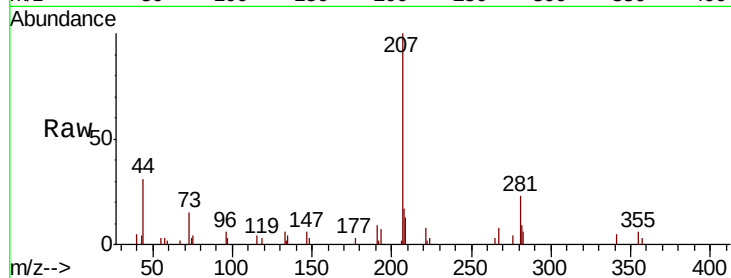
Acq: 29 Jul 2019 11:42

Instrument :

BNA_G

ClientSampleId :

PB121703BL



Tgt Ion:	276	Resp:	572
Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.8	29.8#
138	0.0	16.6	25.0#

