

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061319\
 Data File : BG041226.D
 Acq On : 13 Jun 2019 11:29
 Operator : HP/JU
 Sample : PB120547BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 13 17:17:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	37222	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	156672	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	116993	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	277889	20.00	ng	0.00
76) Chrysene-d12	21.77	240	274596	20.00	ng	0.00
87) Perylene-d12	25.11	264	237772	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	285609	138.36	ng	0.00
7) Phenol-d6	7.26	99	430036	134.89	ng	0.00
23) Nitrobenzene-d5	9.28	82	301272	85.37	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	213512	122.93	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	742333	91.38	ng	0.00
79) Terphenyl-d14	20.08	244	1245976	96.30	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.48	88	279	0.298	ng	# 1
3) Pyridine	4.01	79	82	0.030	ng	# 1
4) n-Nitrosodimethylamine	3.86	42	415	0.323	ng	# 1
6) Aniline	7.63	93	680	0.160	ng	# 1
8) 2-Chlorophenol	7.63	128	57	0.023	ng	# 1
9) Benzaldehyde	7.26	77	753	0.396	ng	# 1
10) Phenol	7.63	94	840	0.246	ng	# 1
11) bis(2-Chloroethyl)ether	7.63	93	680	0.274	ng	# 1
15) Benzyl Alcohol	8.42	79	5155	1.748	ng	# 64
16) 2,2'-oxybis(1-Chloropropan	8.85	45	58	0.014	ng	# 69
19) n-Nitroso-di-n-propylamine	9.28	70	41567	16.943	ng	# 75
22) Acetophenone	9.00	105	60	0.014	ng	# 47
24) Nitrobenzene	9.27	77	1159	0.322	ng	# 49
25) Isophorone	9.55	82	804	0.120	ng	# 67
36) 4-Chloro-3-methylphenol	12.28	107	60	0.017	ng	# 23
46) 1,1'-Biphenyl	13.58	154	925	0.107	ng	# 85
47) 2-Chloronaphthalene	13.78	162	54	0.007	ng	# 39
48) 2-Nitroaniline	13.36	65	1320	0.495	ng	# 1
49) Acenaphthylene	14.60	152	54	0.005	ng	# 59
51) 2,6-Dinitrotoluene	14.74	165	15011	7.030	ng	# 20
52) Acenaphthene	14.74	154	323	0.048	ng	# 5
57) 2,4-Dinitrotoluene	14.74	165	15011	4.977	ng	# 22
58) Fluorene	16.22	166	6254	0.689	ng	# 95
59) 2,3,4,6-Tetrachlorophenol	15.58	232	73	0.023	ng	# 43
62) 4-Nitroaniline	15.96	138	63	0.028	ng	# 2
63) Azobenzene	16.23	77	1071	0.117	ng	# 36
65) 4,6-Dinitro-2-methylphenol	16.23	198	715	8.984	ng	# 2
66) n-Nitrosodiphenylamine	16.22	169	7452	0.954	ng	# 40
67) 4-Bromophenyl-phenylether	16.22	248	15424	4.113	ng	# 1
68) Hexachlorobenzene	16.84	284	56	0.014	ng	# 43
71) Phenanthrene	17.49	178	108	0.007	ng	# 1
72) Anthracene	17.49	178	108	0.008	ng	# 1
73) Carbazole	17.49	167	58	0.005	ng	# 58
74) Di-n-butylphthalate	18.43	149	138	0.009	ng	# 77

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

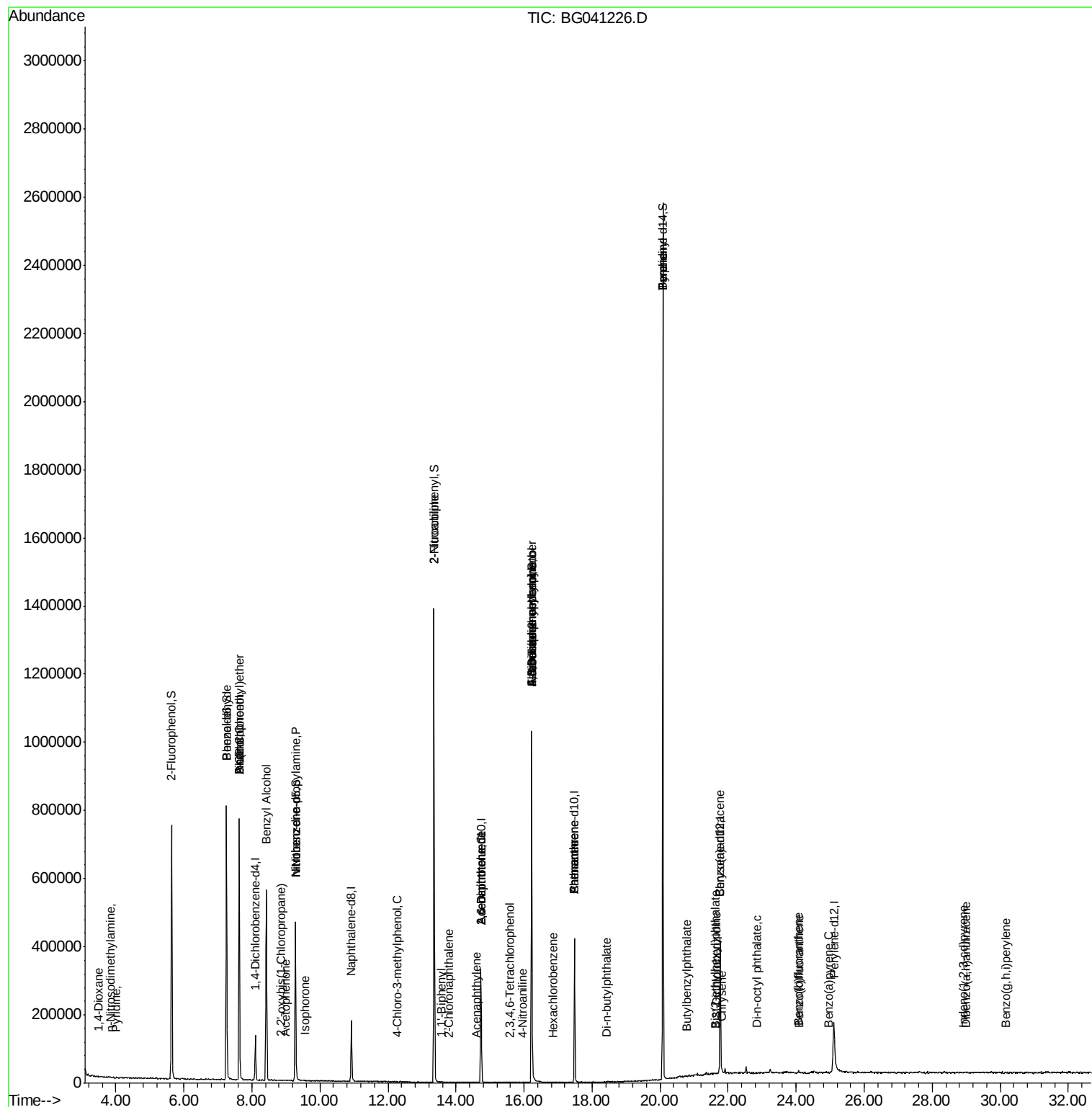
77) Benzidine	20.08	184	21620	3.300	ng	# 90
78) Pyrene	20.08	202	4893	0.274	ng	# 81
80) Butylbenzylphthalate	20.76	149	272	0.039	ng	# 81
81) Benzo(a)anthracene	21.77	228	961	0.053	ng	# 62
82) 3,3'-Dichlorobenzidine	21.66	252	125	0.019	ng	# 24
83) Chrysene	21.81	228	201	0.011	ng	# 49
84) Bis(2-ethylhexyl)phthalate	21.62	149	562	0.057	ng	# 50
85) Di-n-octyl phthalate	22.84	149	350	0.021	ng	# 76
86) Indeno(1,2,3-cd)pyrene	28.91	276	137	0.006	ng	# 40
88) Benzo(b)fluoranthene	24.06	252	368	0.026	ng	# 1
89) Benzo(k)fluoranthene	24.10	252	372	0.026	ng	# 60
90) Benzo(a)pyrene	24.95	252	135	0.010	ng	# 57
91) Dibenzo(a,h)anthracene	29.00	278	319	0.023	ng	# 58
92) Benzo(g,h,i)perylene	30.16	276	239	0.018	ng	# 2

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.10 min Scan# 853

Delta R.T. -0.00 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

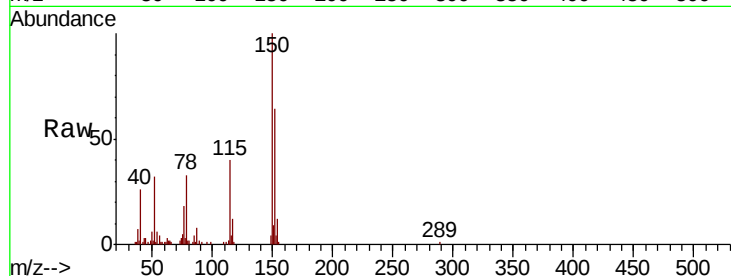
Tot Ion:152 Resp: 37222

Ion Ratio Lower Upper

152 100

150 156.9 120.6 180.8

115 63.1 45.1 67.7

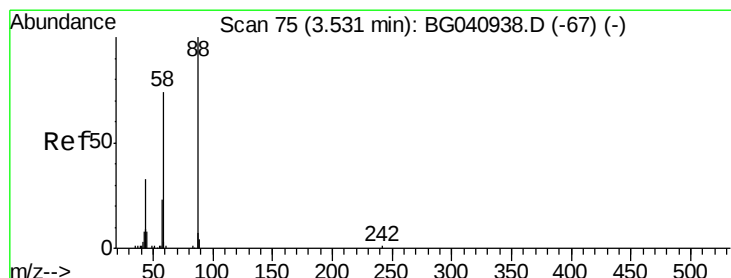
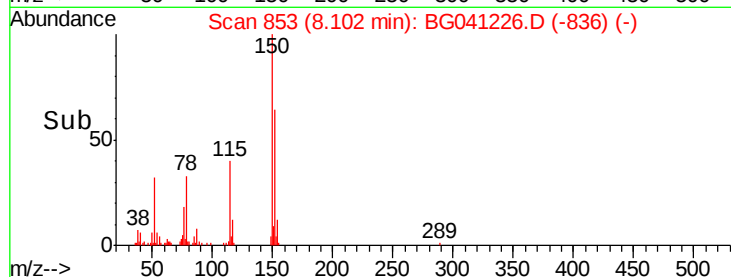
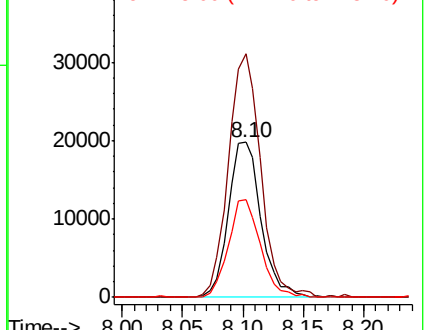


Abundance

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: 0.298 ng

RT: 3.48 min Scan# 66

Delta R.T. -0.02 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

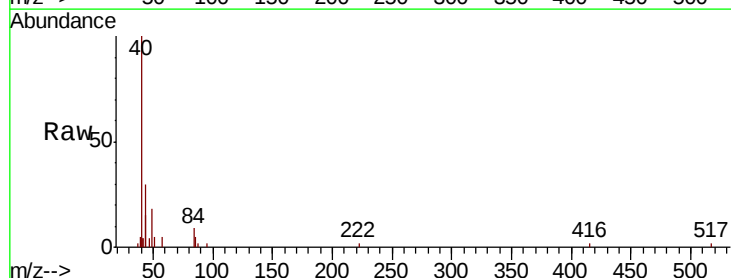
Tgt Ion: 88 Resp: 279

Ion Ratio Lower Upper

88 100

58 133.7 59.0 88.6#

43 366.3 27.2 40.8#

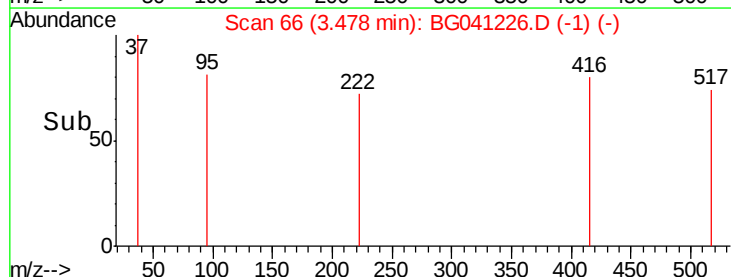
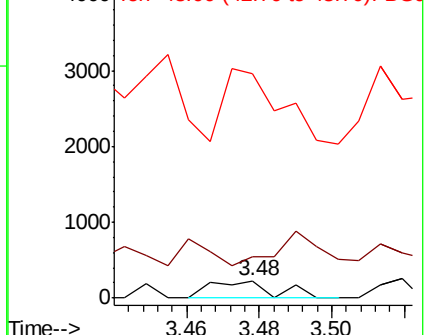


Abundance

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





#3

Pvridine

Concen: 0.030 ng

RT: 4.01 min Scan# 157

Delta R.T. 0.10 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampled :

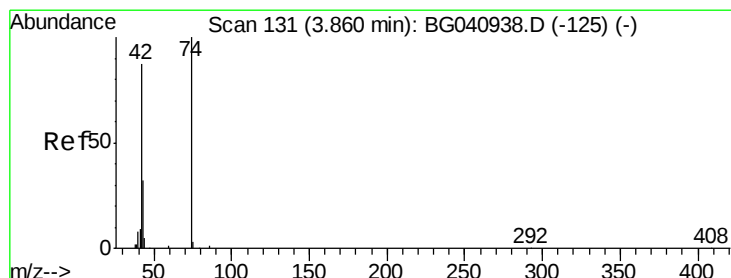
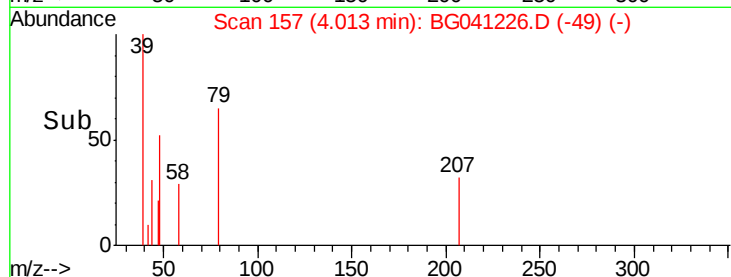
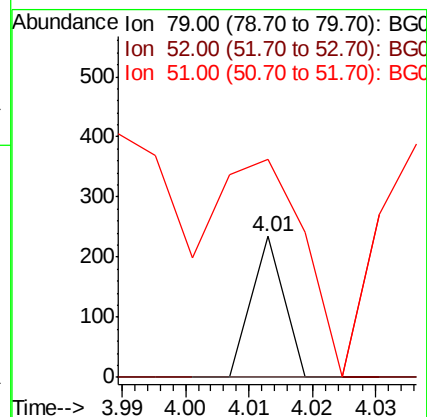
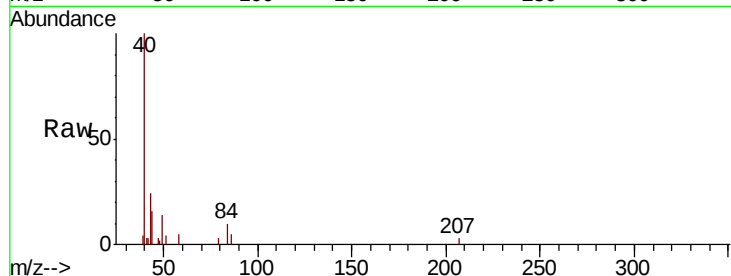
Tot Ion: 79 Resp: 82

Ion Ratio Lower Upper

79 100

52 0.0 64.8 97.2#

51 155.1 35.3 52.9#



#4

n-Nitrosodimethylamine

Concen: 0.323 ng

RT: 3.86 min Scan# 131

Delta R.T. 0.03 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

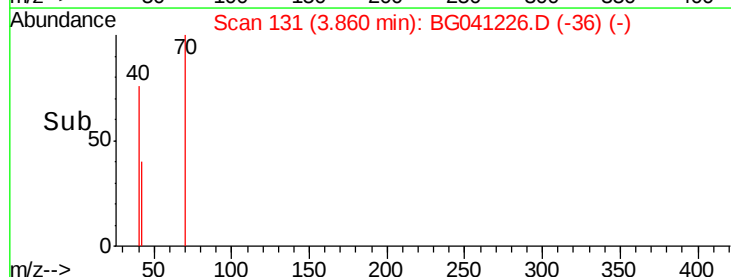
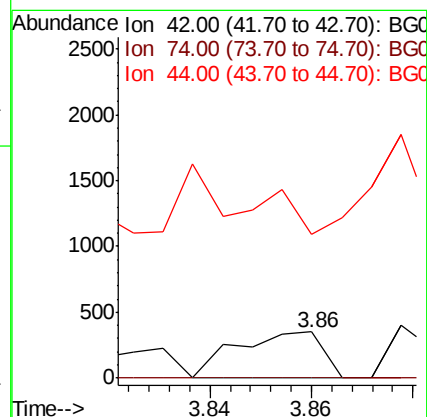
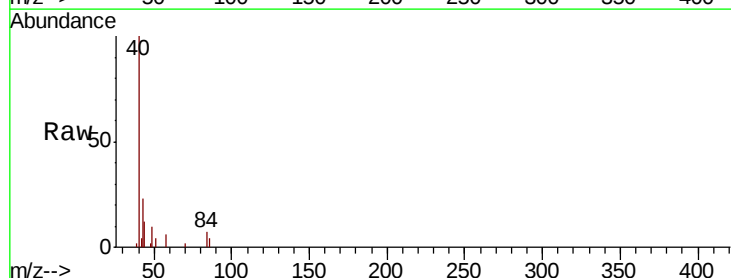
Tgt Ion: 42 Resp: 415

Ion Ratio Lower Upper

42 100

74 0.0 91.8 137.6#

44 309.7 6.0 9.0#





#5

2-Fluorophenol

Concen: 138.363 ng

RT: 5.64 min Scan# 434

Delta R.T. 0.00 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

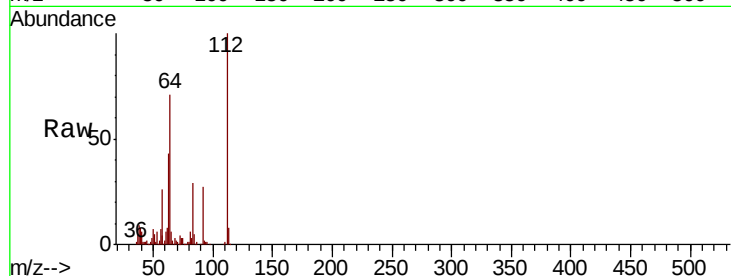
Tot Ion:112 Resp: 285609

Ion Ratio Lower Upper

112 100

64 71.3 56.2 84.2

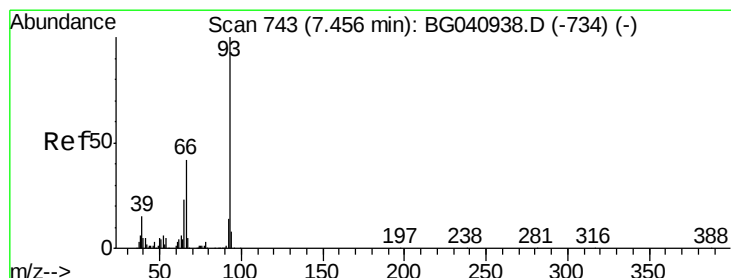
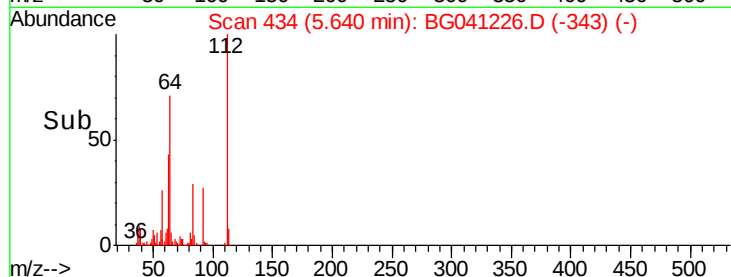
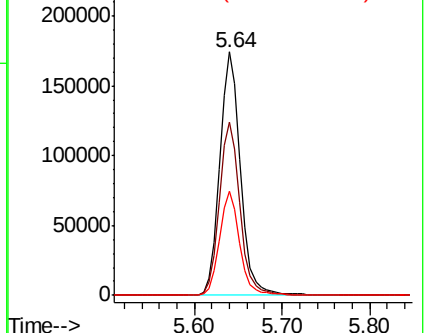
63 42.9 32.8 49.2



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: 0.160 ng

RT: 7.63 min Scan# 772

Delta R.T. 0.20 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

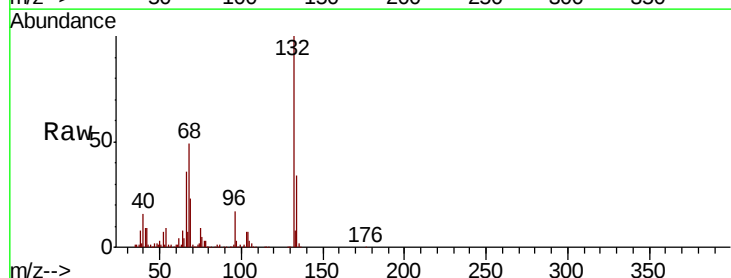
Tgt Ion: 93 Resp: 680

Ion Ratio Lower Upper

93 100

66 14142.6 33.8 50.8#

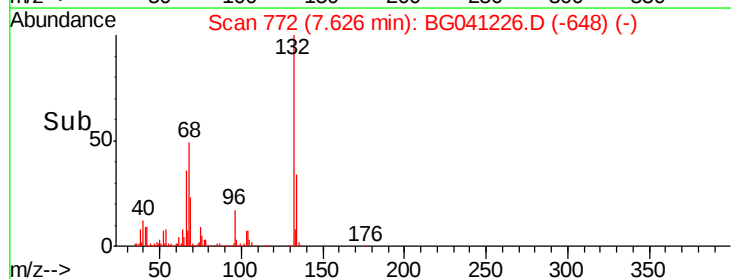
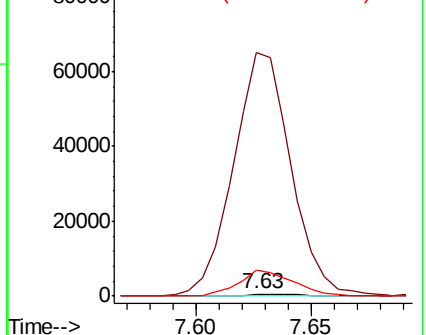
65 1515.9 18.3 27.5#

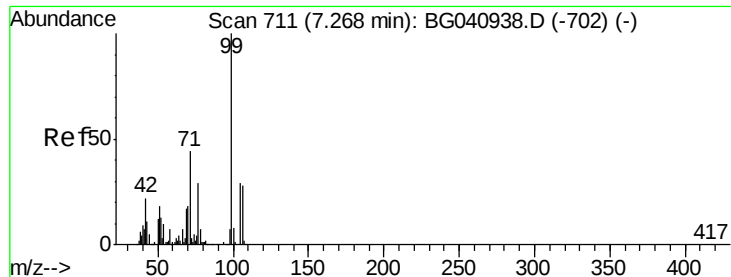


Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 134.894 ng

RT: 7.26 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

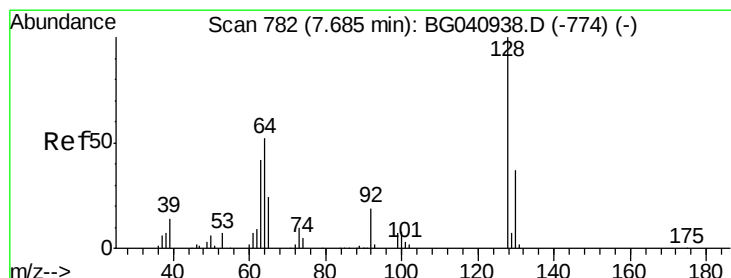
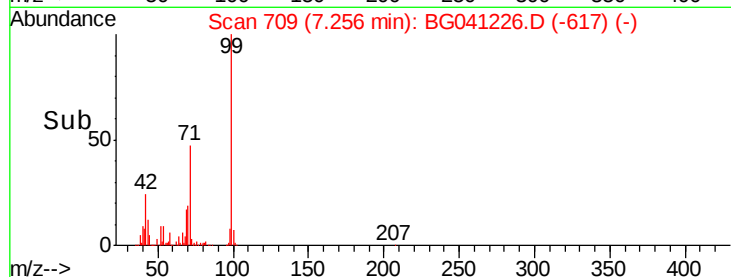
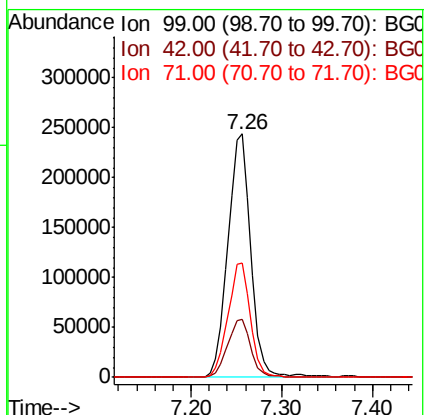
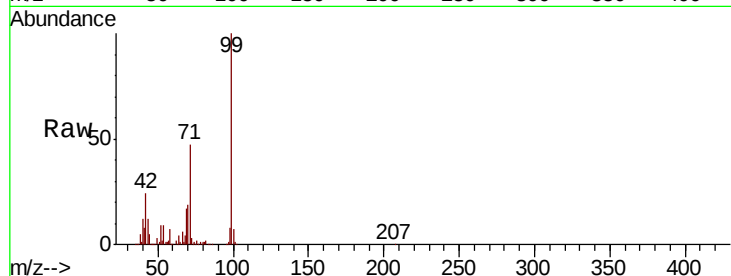
Tot Ion: 99 Resp: 430036

Ion Ratio Lower Upper

99 100

42 24.0 17.9 26.9

71 47.0 35.4 53.0



#8

2-Chlorophenol

Concen: 0.023 ng

RT: 7.63 min Scan# 772

Delta R.T. -0.04 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

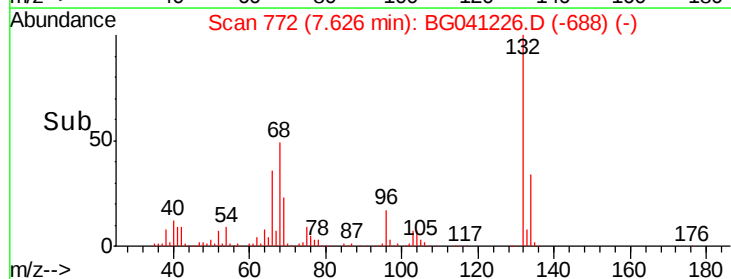
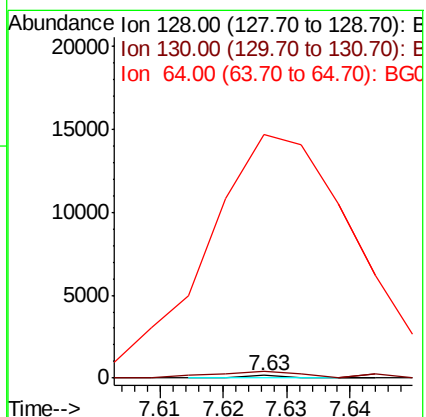
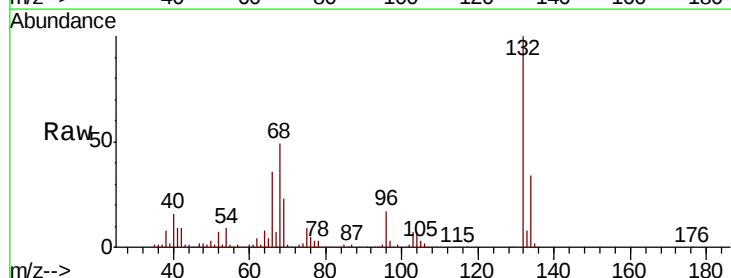
Tgt Ion:128 Resp: 57

Ion Ratio Lower Upper

128 100

130 234.4 16.6 56.6#

64 9007.4 37.8 77.8#





#9

Benzaldehyde

Concen: 0.396 ng

RT: 7.26 min Scan# 709

Delta R.T. 0.01 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

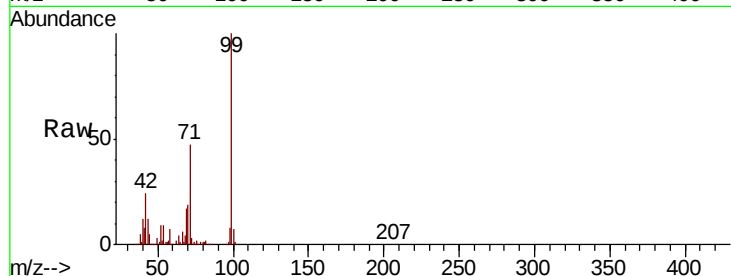
Tot Ion: 77 Resp: 753

Ion Ratio Lower Upper

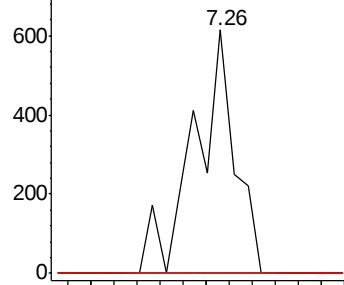
77 100

105 0.0 78.9 118.9#

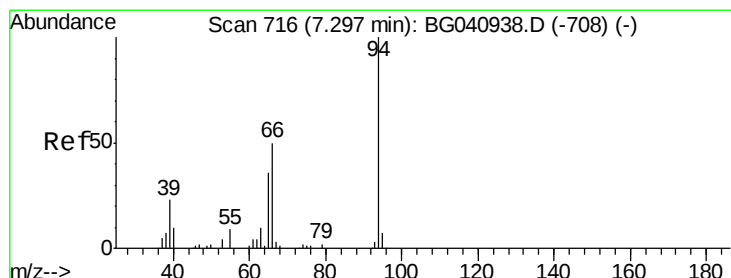
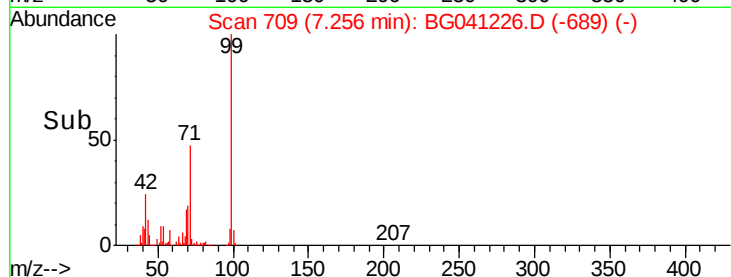
106 0.0 76.7 116.7#



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



Time-->



#10

Phenol

Concen: 0.246 ng

RT: 7.63 min Scan# 772

Delta R.T. 0.35 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

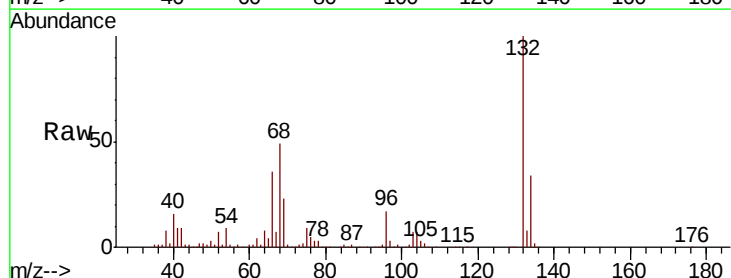
Tgt Ion: 94 Resp: 840

Ion Ratio Lower Upper

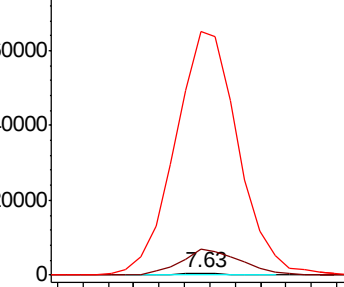
94 100

65 1122.9 17.0 57.0#

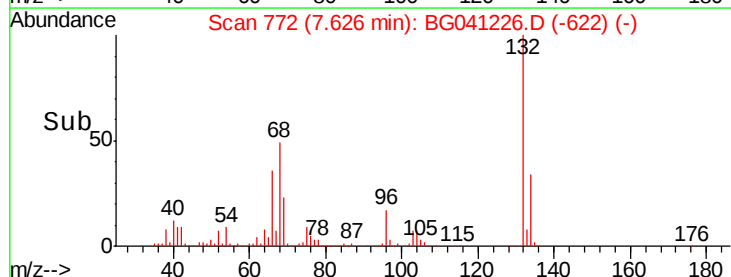
66 10476.0 32.4 72.4#

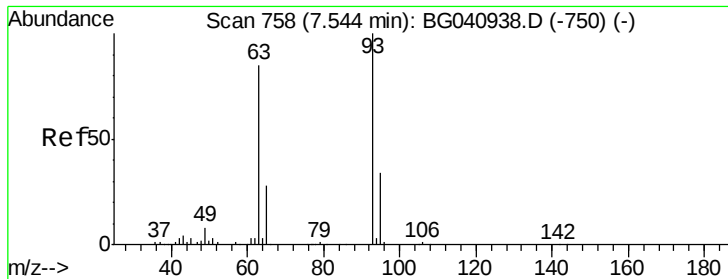


Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



Time-->

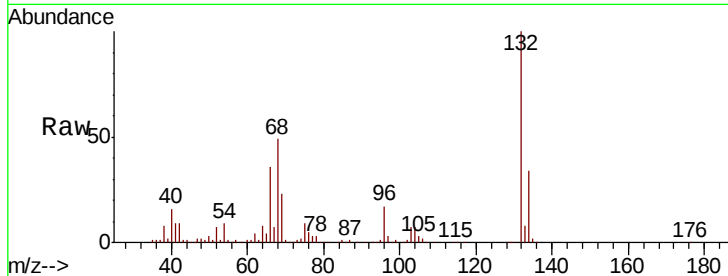




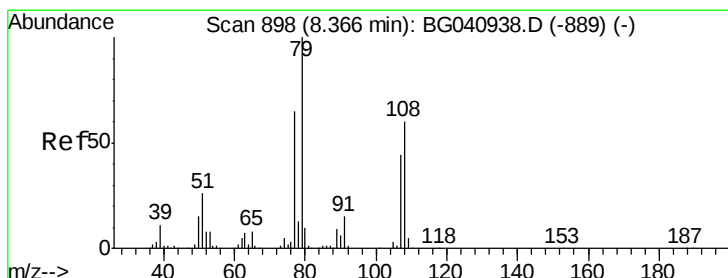
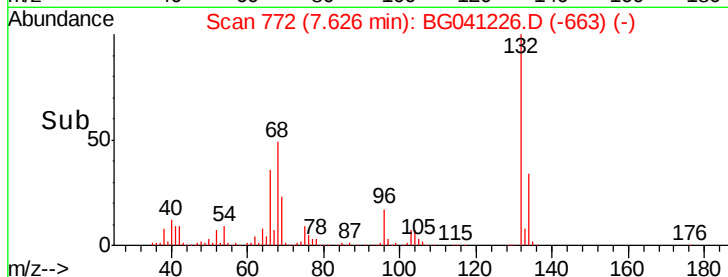
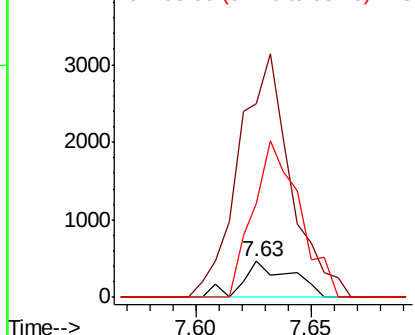
#11
 bis(2-Chloroethyl)ether
 Concen: 0.274 ng
 RT: 7.63 min Scan# 772
 Delta R.T. 0.11 min
 Lab File: BG041226.D
 Acq: 13 Jun 2019 11:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 93 Resp: 680
 Ion Ratio Lower Upper
 93 100
 63 543.3 64.5 104.5#
 95 263.3 13.3 53.3#

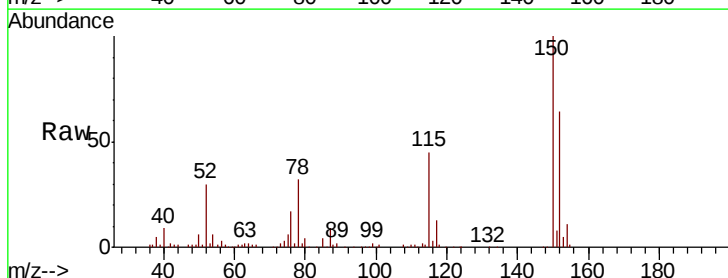


Abundance Ion 93.00 (92.70 to 93.70): BGC
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 95.00 (94.70 to 95.70): BGC

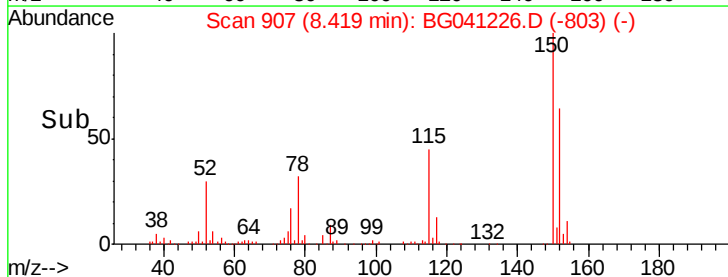
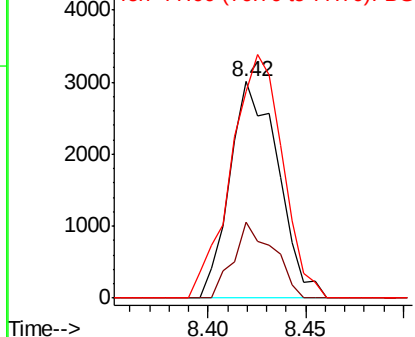


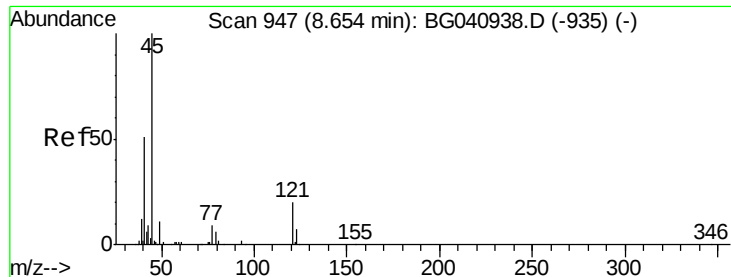
#15
 Benzyl Alcohol
 Concen: 1.748 ng
 RT: 8.42 min Scan# 907
 Delta R.T. 0.08 min
 Lab File: BG041226.D
 Acq: 13 Jun 2019 11:29

Tgt Ion: 79 Resp: 5155
 Ion Ratio Lower Upper
 79 100
 108 35.0 48.3 72.5#
 77 95.6 52.3 78.5#



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

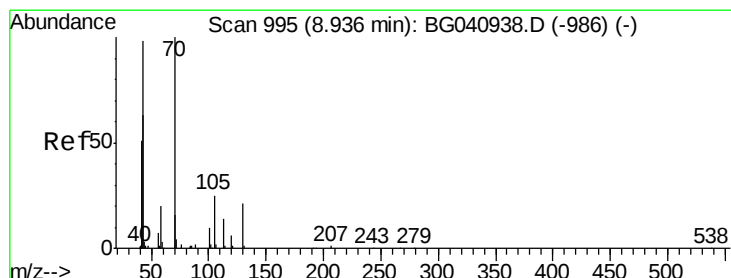
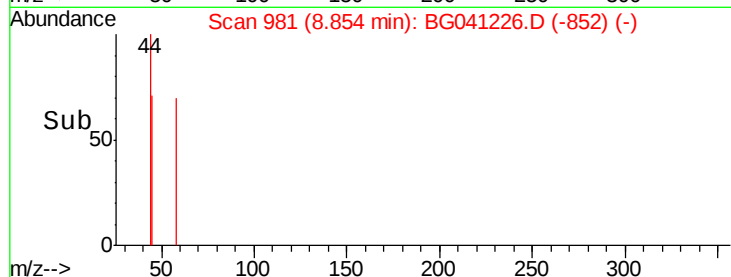
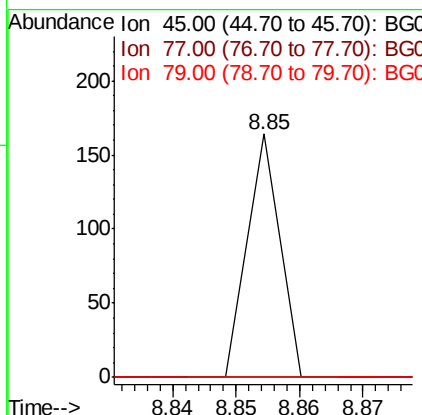
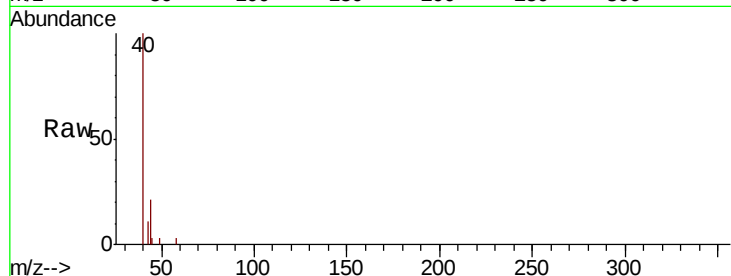




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 0.014 ng
RT: 8.85 min Scan# 981
Delta R.T. 0.23 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

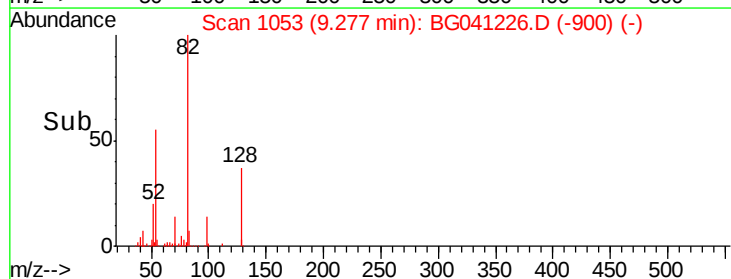
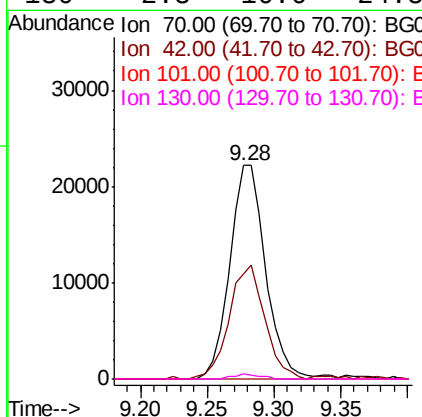
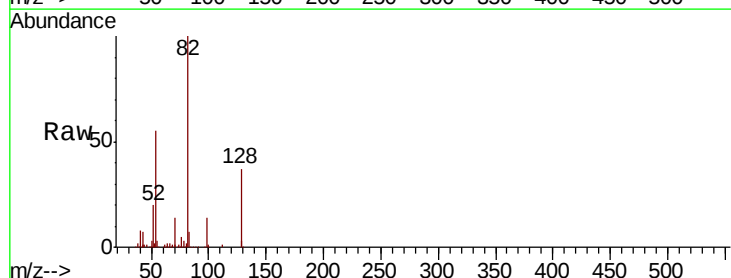
Instrument :
BNA_G
ClientSampled :

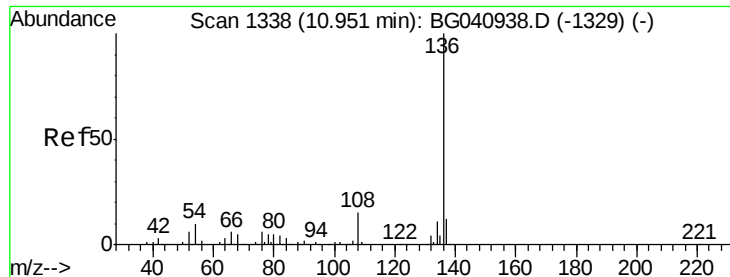
Tot Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	33.7
79	0.0	0.0	30.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.943 ng
RT: 9.28 min Scan# 1053
Delta R.T. 0.37 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.2	51.5	77.3#
101	0.0	8.1	12.1#
130	2.3	16.6	24.8#

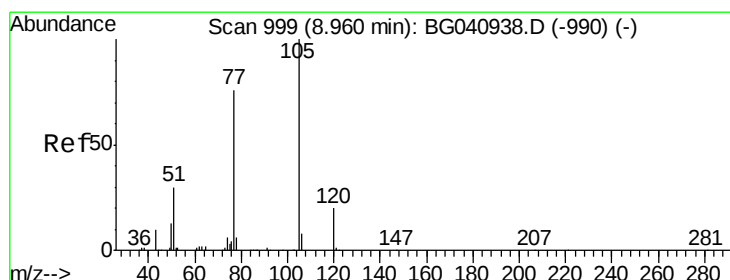
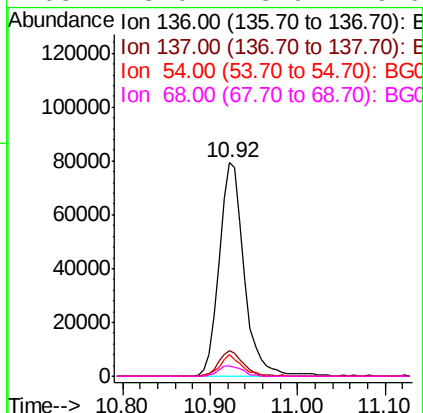
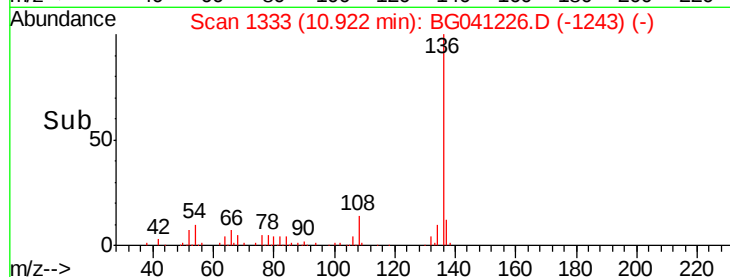
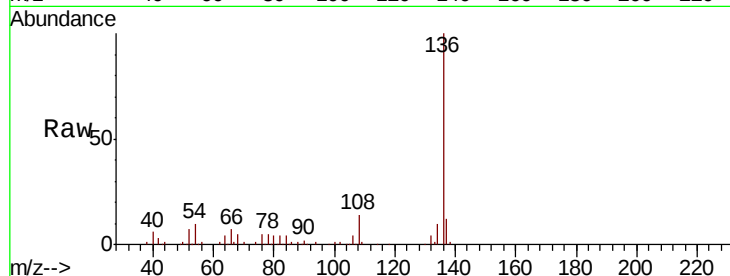




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

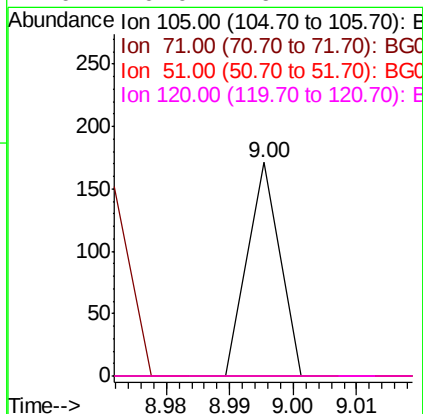
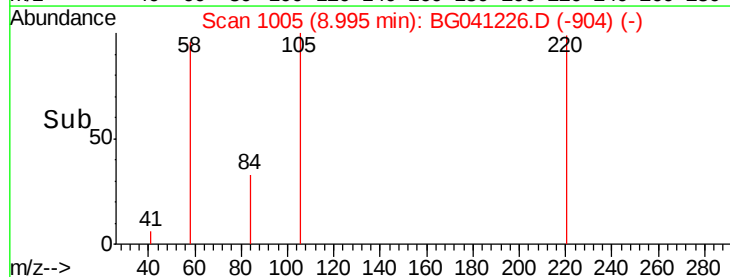
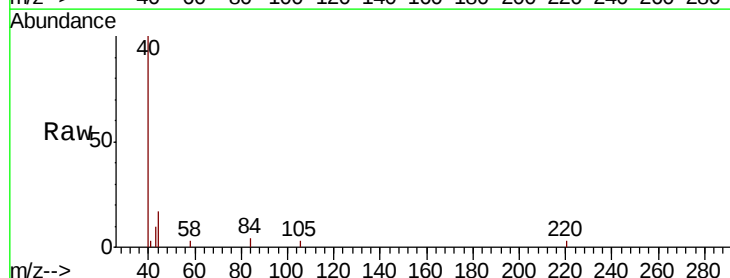
Instrument :
BNA_G
ClientSampleId :

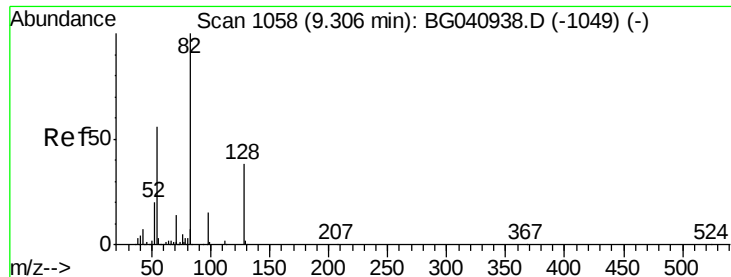
Tot Ion:136	Resp:	156672
Ion	Ratio	Lower Upper
136	100	
137	12.2	9.5 14.3
54	10.3	7.6 11.4
68	5.0	3.9 5.9



#22
Acetophenone
Concen: 0.014 ng
RT: 9.00 min Scan# 1005
Delta R.T. 0.06 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

Tgt Ion:105	Resp:	60
Ion	Ratio	Lower Upper
105	100	
71	0.0	0.4 0.6#
51	0.0	27.0 40.6#
120	0.0	16.2 24.4#

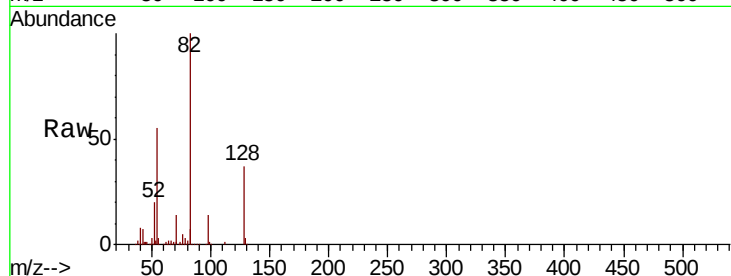




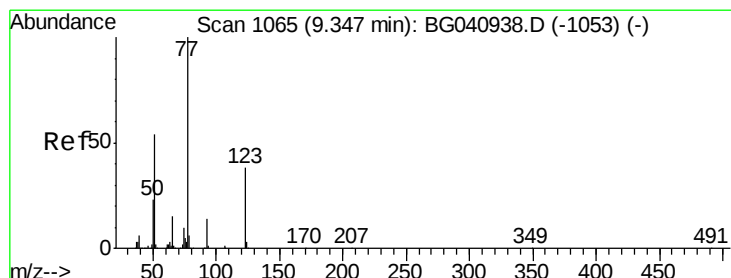
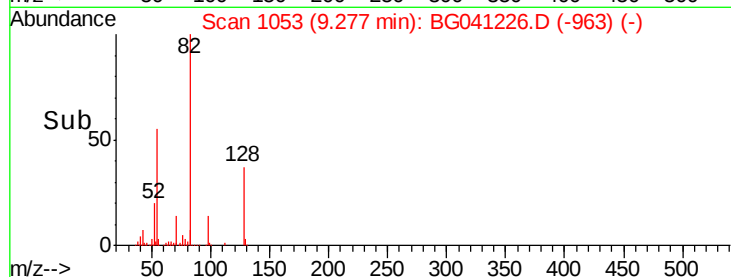
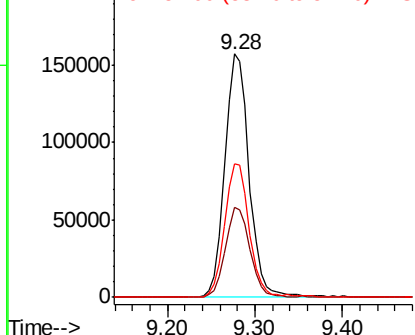
#23
 Nitrobenzene-d5
 Concen: 85.367 ng
 RT: 9.28 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BG041226.D
 Acq: 13 Jun 2019 11:29

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.2	30.5	45.7
54	54.9	44.6	66.8

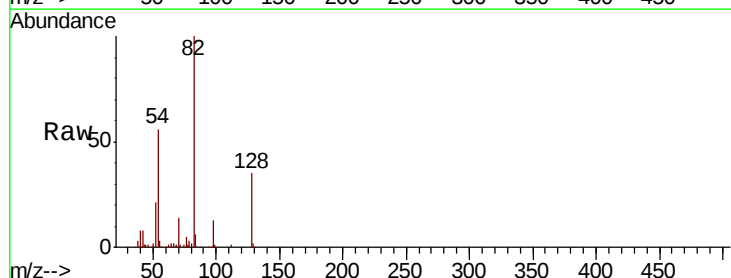


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

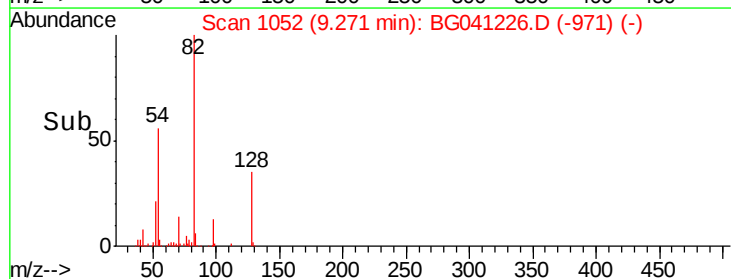
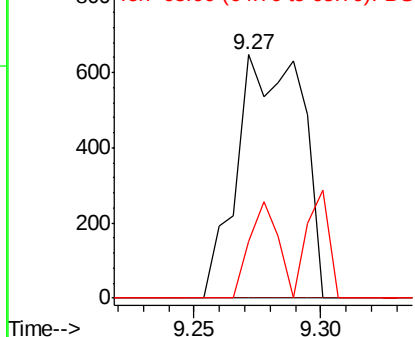


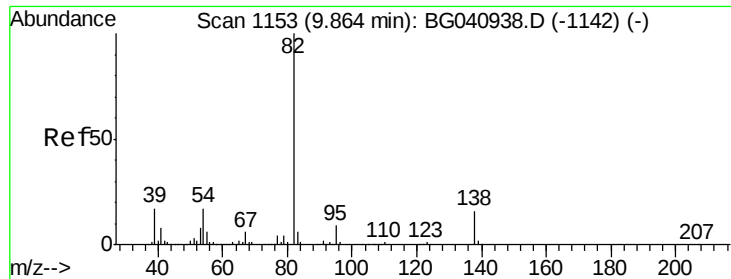
#24
 Nitrobenzene
 Concen: 0.322 ng
 RT: 9.27 min Scan# 1052
 Delta R.T. -0.06 min
 Lab File: BG041226.D
 Acq: 13 Jun 2019 11:29

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	30.6	46.0#
65	23.5	12.3	18.5#



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: 0.120 ng

RT: 9.55 min Scan# 1099

Delta R.T. -0.29 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

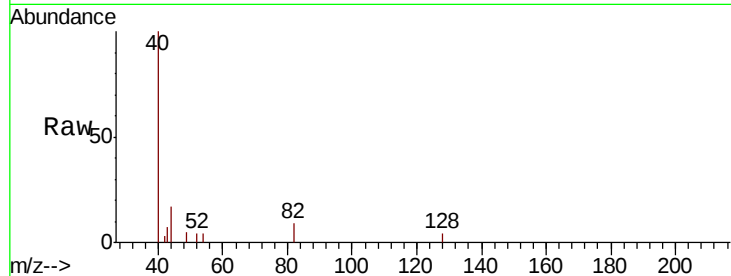
Tot Ion: 82 Resp: 804

Ion Ratio Lower Upper

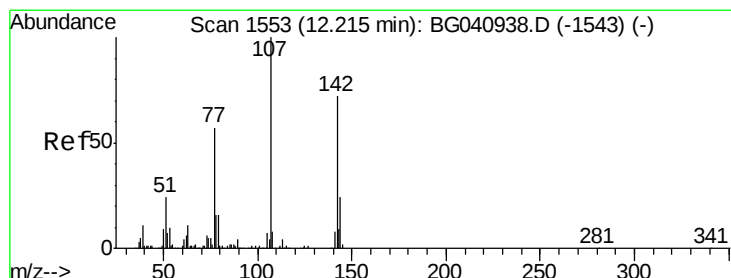
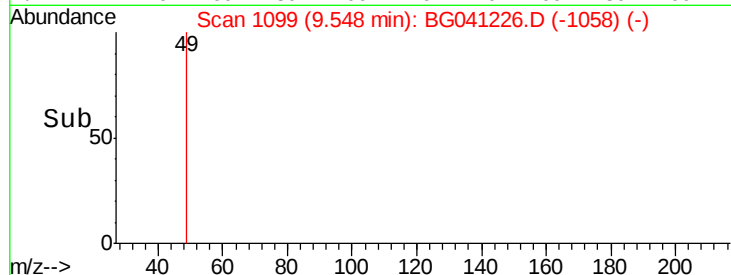
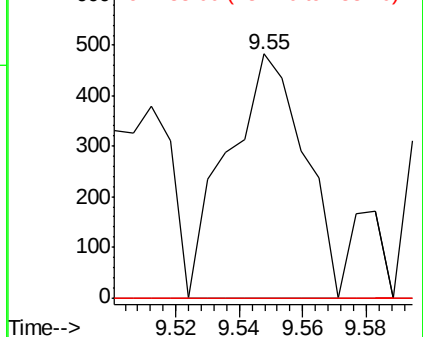
82 100

95 0.0 7.0 10.4#

138 0.0 12.6 19.0#



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



#36

4-Chloro-3-methylphenol

Concen: 0.017 ng

RT: 12.28 min Scan# 1564

Delta R.T. 0.09 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

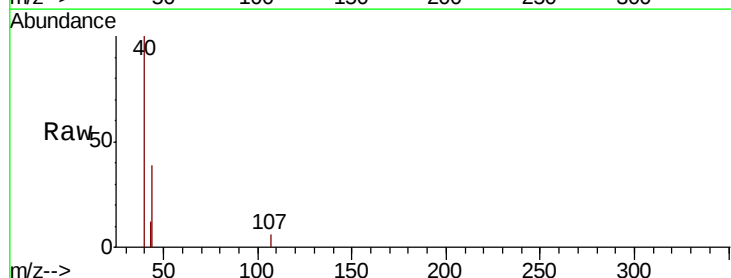
Tgt Ion: 107 Resp: 60

Ion Ratio Lower Upper

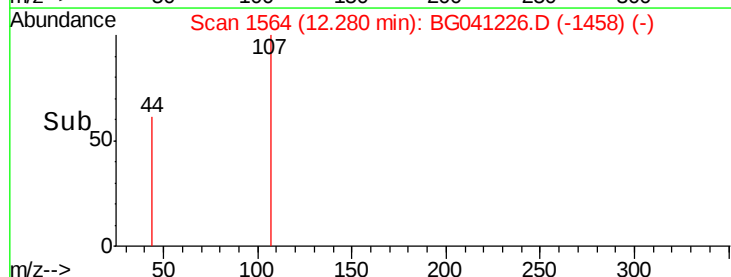
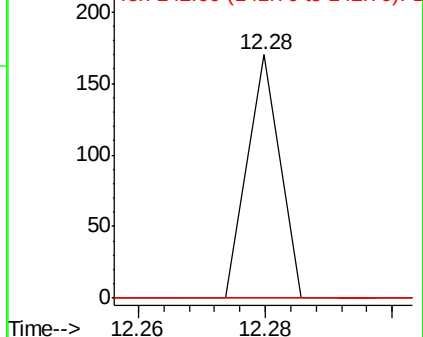
107 100

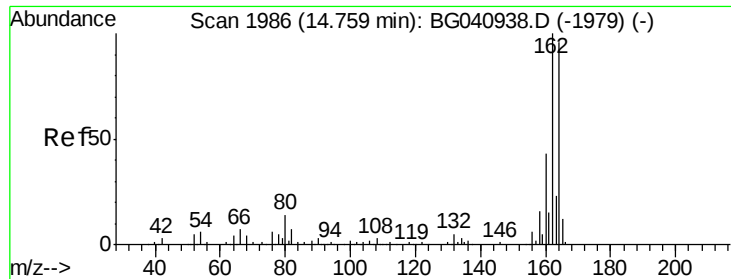
144 0.0 19.4 29.0#

142 0.0 57.3 85.9#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampled :

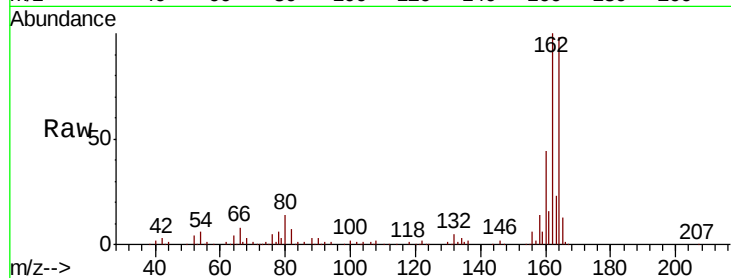
Tot Ion:164 Resp: 116993

Ion Ratio Lower Upper

164 100

162 101.9 83.0 124.4

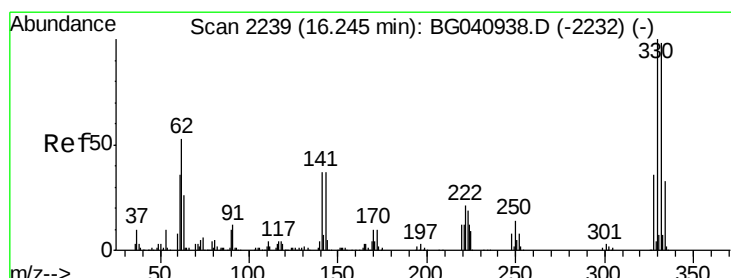
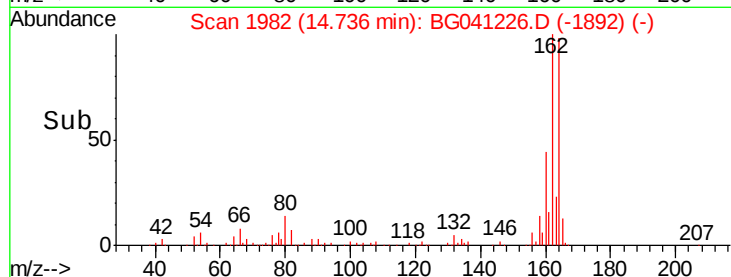
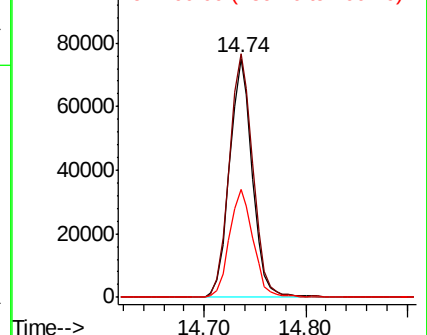
160 45.1 35.6 53.4



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: 122.931 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

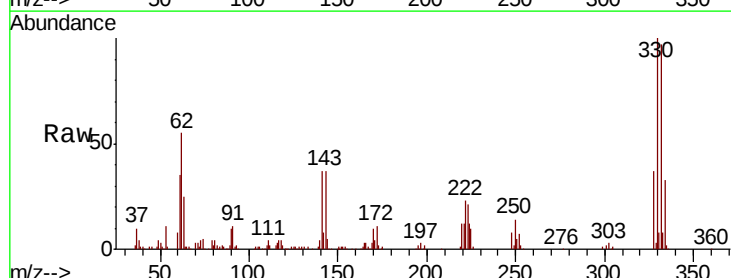
Tgt Ion:330 Resp: 213512

Ion Ratio Lower Upper

330 100

332 93.9 78.5 117.7

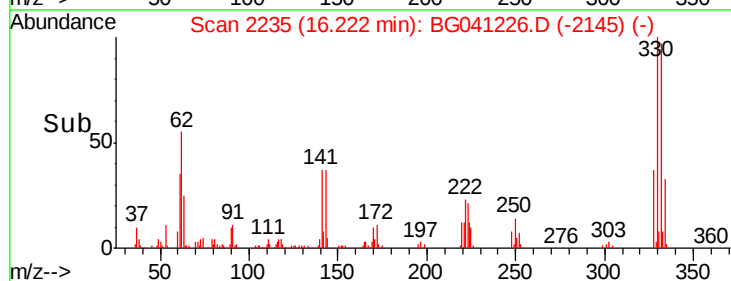
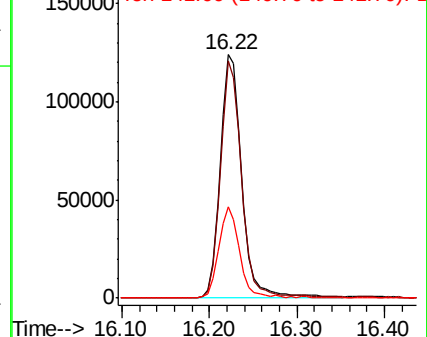
141 35.7 28.7 43.1

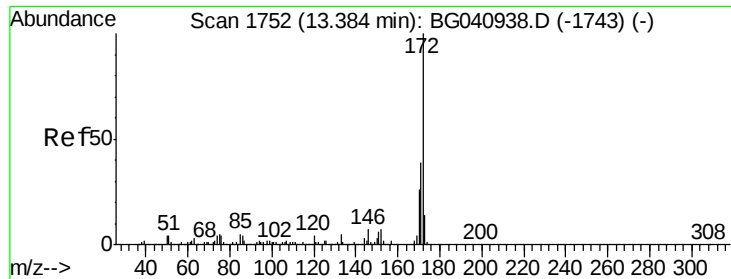


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

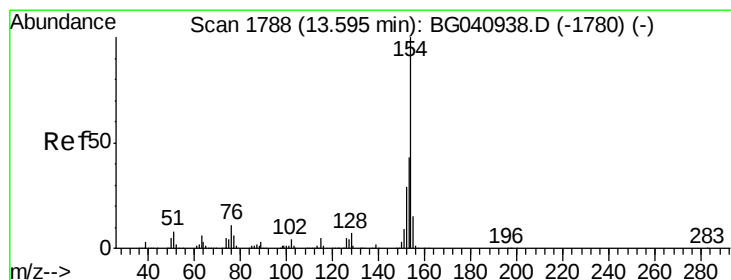
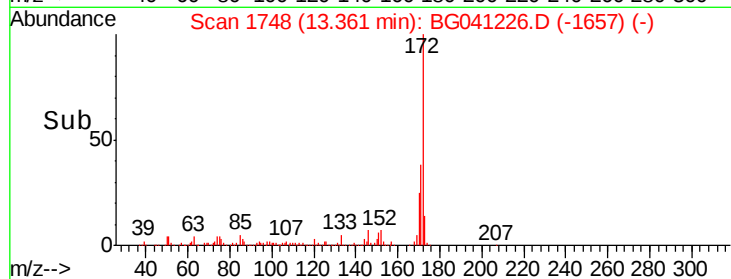
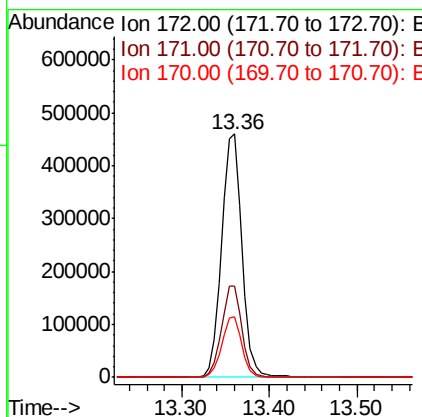
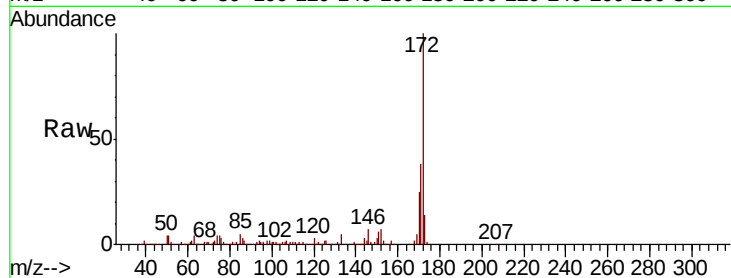




#45
2-Fluorobiphenyl
Concen: 91.376 ng
RT: 13.36 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

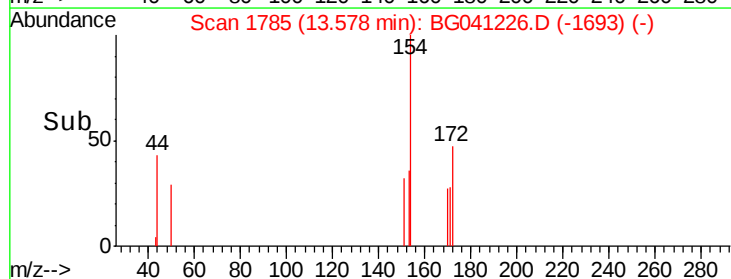
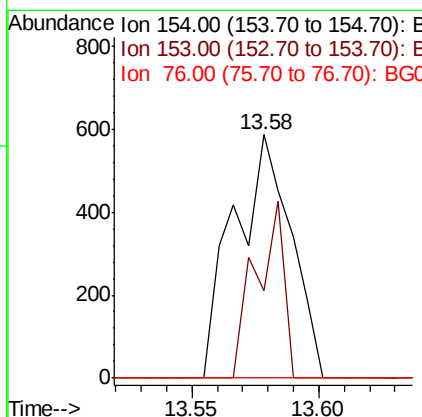
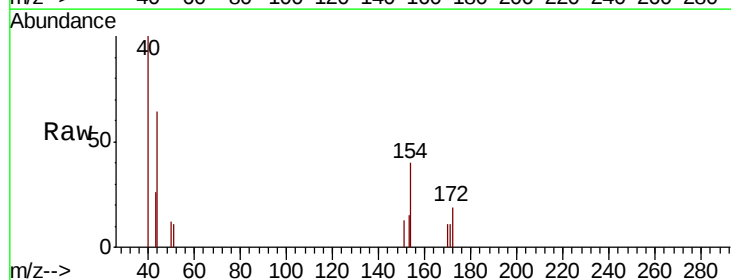
Instrument :
BNA_G
ClientSampleId :

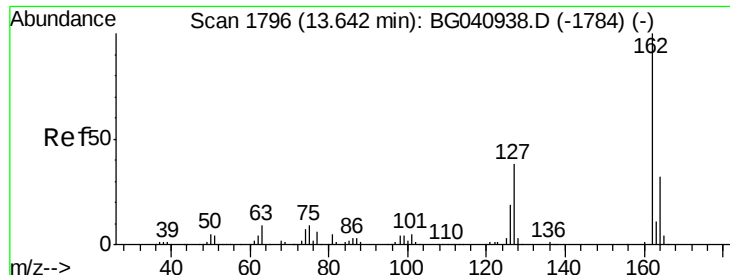
Tot Ion:172 Resp: 742333
Ion Ratio Lower Upper
172 100
171 37.7 31.1 46.7
170 24.6 20.5 30.7



#46
1,1'-Biphenyl
Concen: 0.107 ng
RT: 13.58 min Scan# 1785
Delta R.T. 0.01 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

Tgt Ion:154 Resp: 925
Ion Ratio Lower Upper
154 100
153 35.9 23.3 63.3
76 0.0 0.0 31.1





#47

2-Chloronaphthalene

Concen: 0.007 ng

RT: 13.78 min Scan# 1819

Delta R.T. 0.16 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

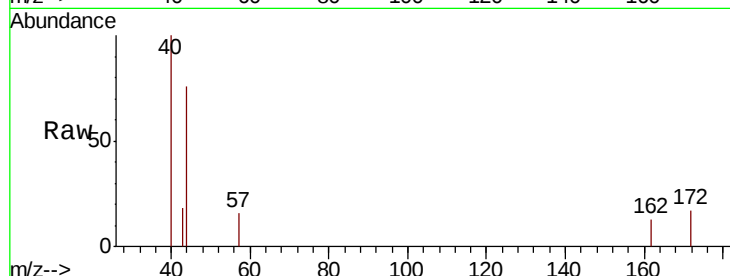
Tot Ion:162 Resp: 54

Ion Ratio Lower Upper

162 100

127 0.0 30.5 45.7#

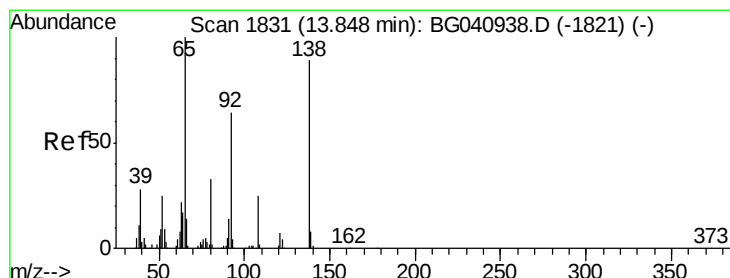
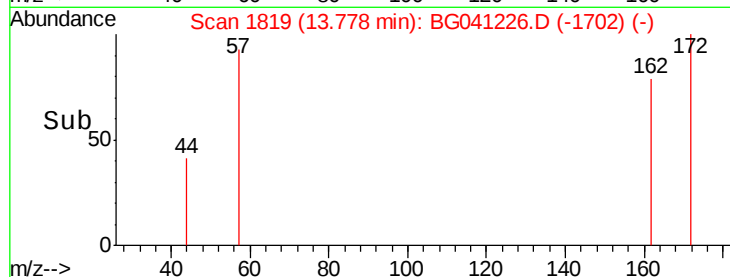
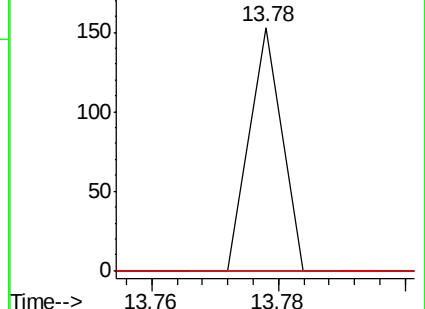
164 0.0 25.8 38.6#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 0.495 ng

RT: 13.36 min Scan# 1748

Delta R.T. -0.47 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

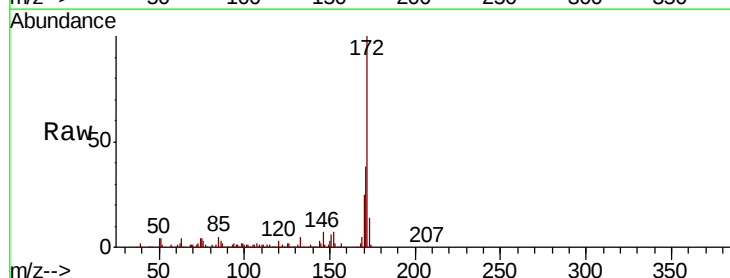
Tgt Ion: 65 Resp: 1320

Ion Ratio Lower Upper

65 100

92 201.4 51.0 76.6#

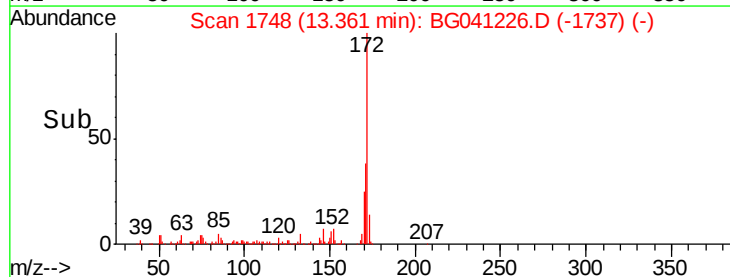
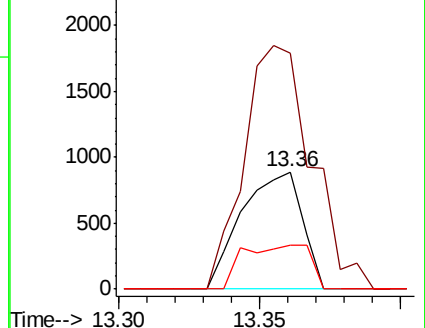
138 37.4 71.2 106.8#

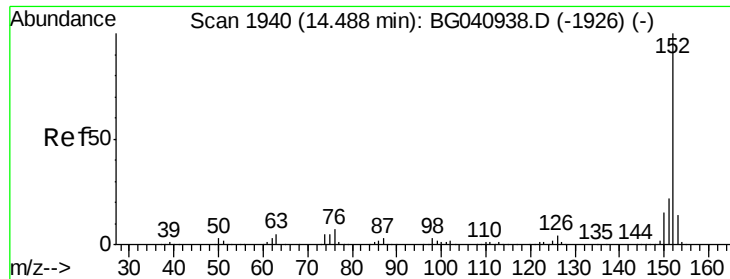


Abundance Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.005 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.14 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

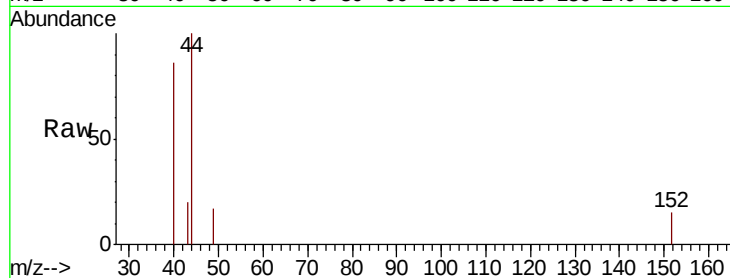
Tot Ion:152 Resp: 54

Ion Ratio Lower Upper

152 100

151 0.0 17.4 26.0#

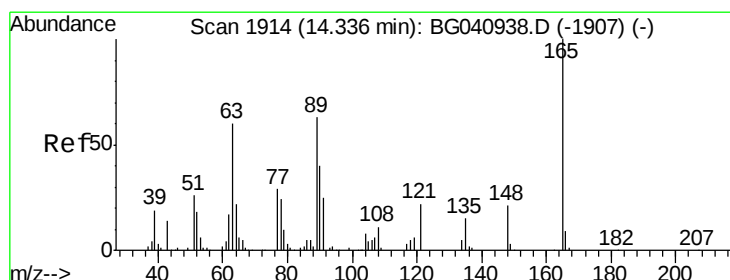
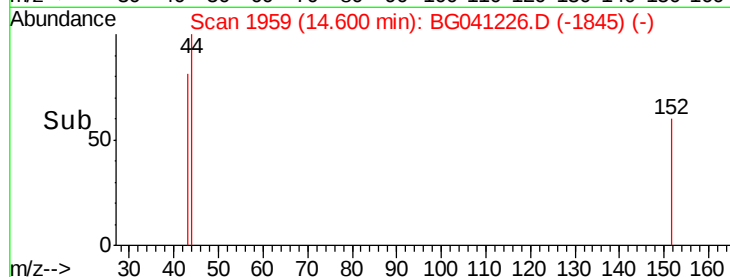
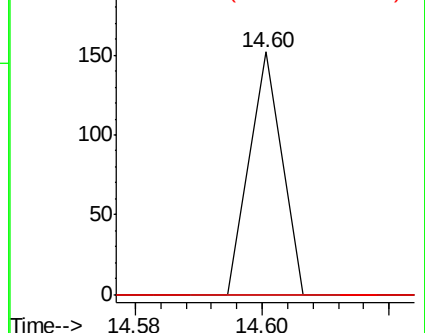
153 0.0 11.0 16.4#



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



#51

2,6-Dinitrotoluene

Concen: 7.030 ng

RT: 14.74 min Scan# 1982

Delta R.T. 0.42 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

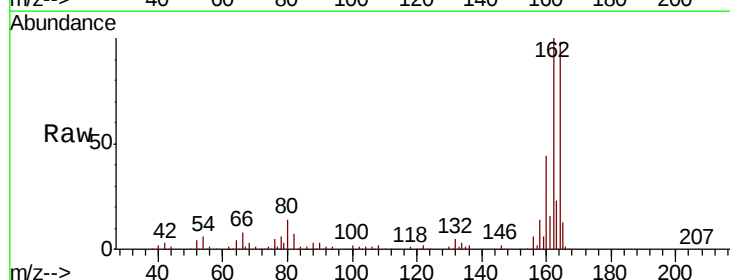
Tgt Ion:165 Resp: 15011

Ion Ratio Lower Upper

165 100

63 1.7 53.6 80.4#

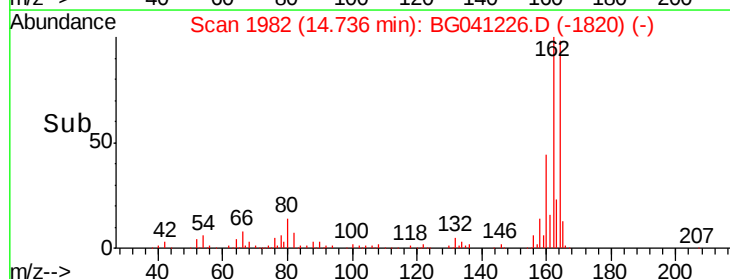
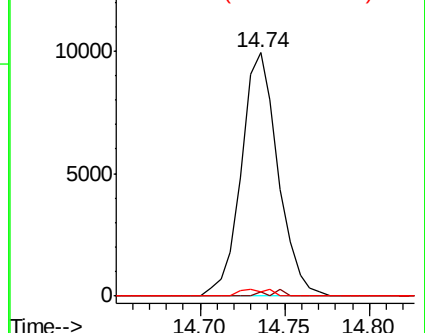
89 1.8 50.4 75.6#

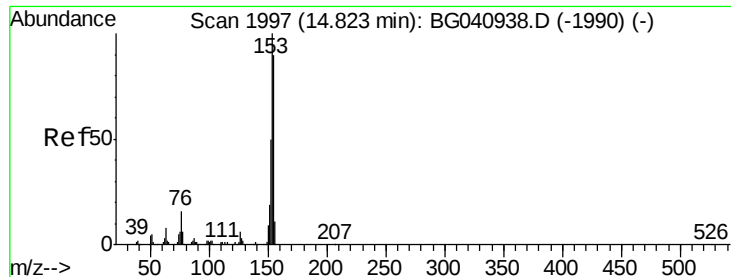


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#52

Acenaphthene

Concen: 0.048 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.06 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

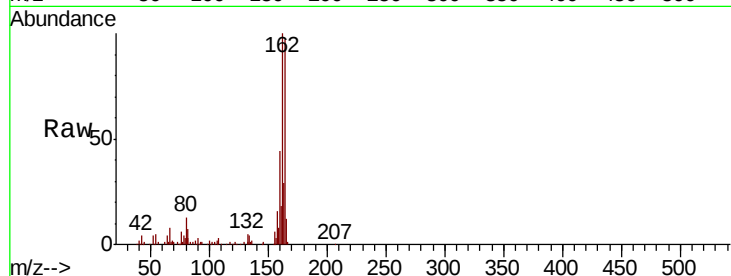
Tot Ion:154 Resp: 323

Ion Ratio Lower Upper

154 100

153 0.0 88.6 133.0#

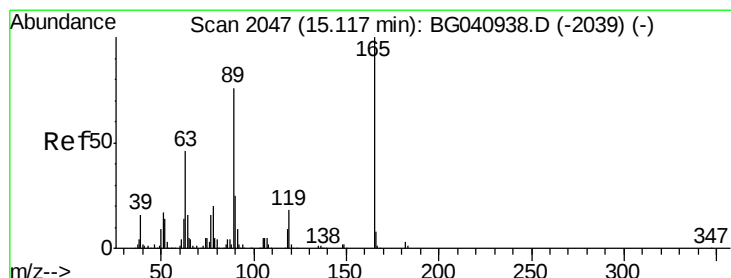
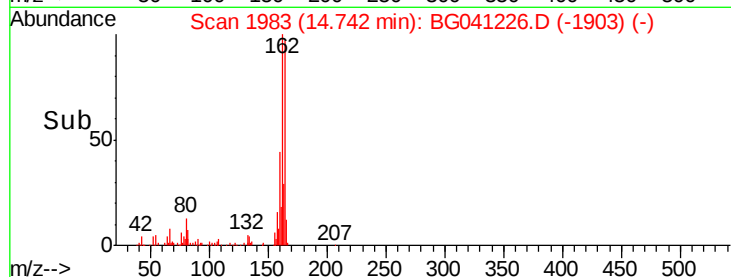
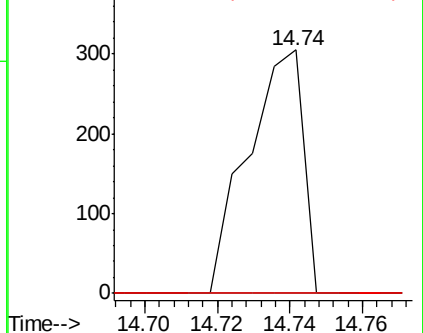
152 0.0 44.2 66.4#



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



#57

2,4-Dinitrotoluene

Concen: 4.977 ng

RT: 14.74 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Tgt Ion:165 Resp: 15011

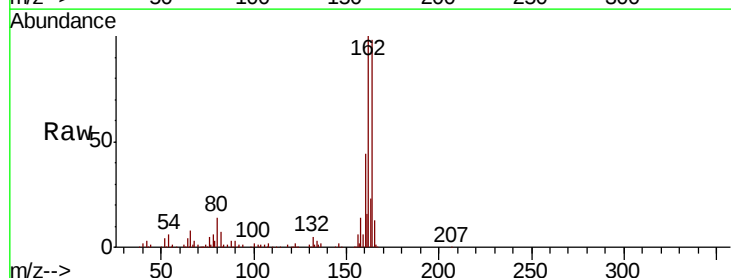
Ion Ratio Lower Upper

165 100

63 1.7 37.3 55.9#

89 1.8 61.0 91.6#

182 0.0 2.2 3.2#

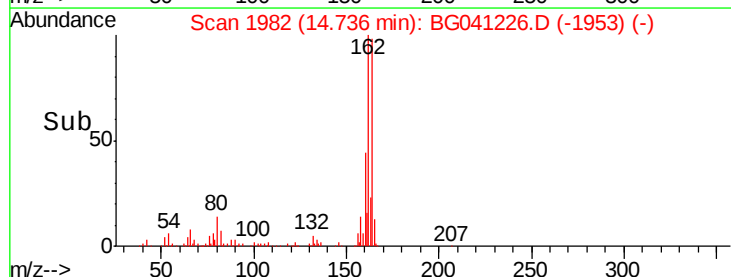
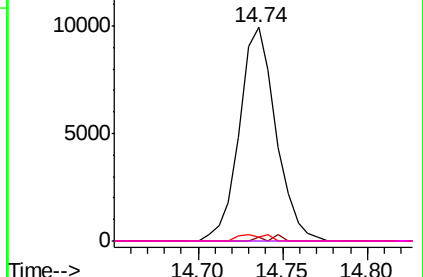


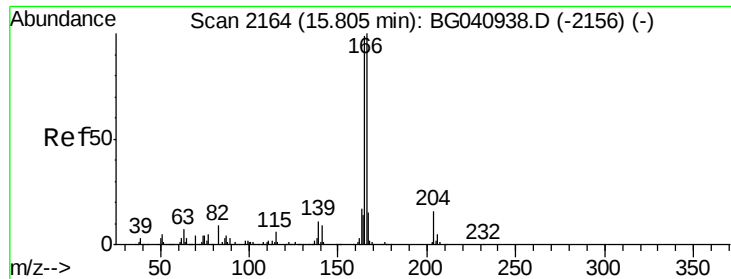
Abundance Ion 165.00 (164.70 to 165.70): E

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: 0.689 ng

RT: 16.22 min Scan# 2235

Delta R.T. 0.44 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampled :

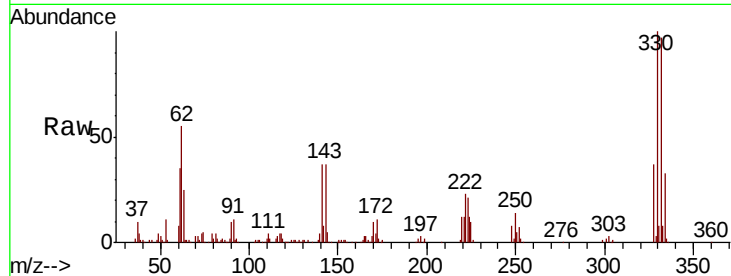
Tot Ion:166 Resp: 6254

Ion Ratio Lower Upper

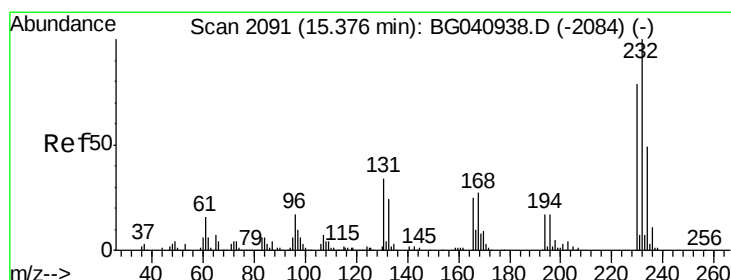
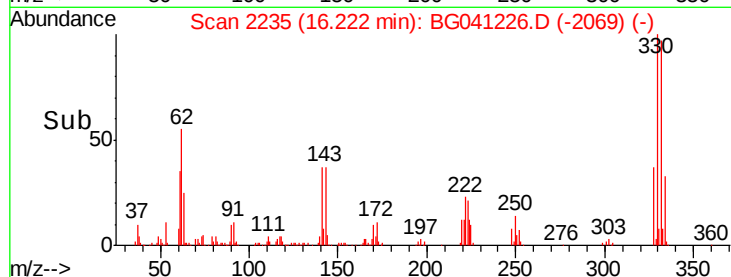
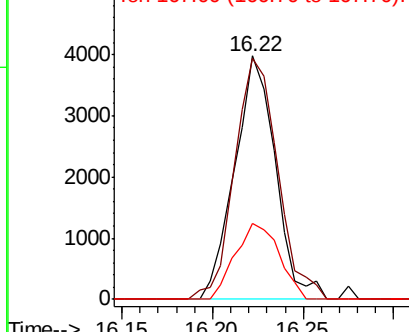
166 100

165 99.2 79.2 118.8

167 31.4 11.8 17.6#



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

2,3,4,6-Tetrachlorophenol

Concen: 0.023 ng

RT: 15.58 min Scan# 2125

Delta R.T. 0.23 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Tgt Ion:232 Resp: 73

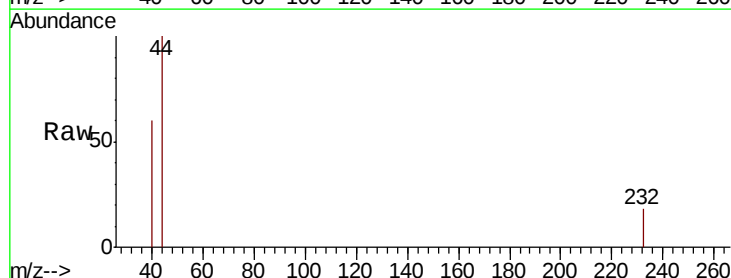
Ion Ratio Lower Upper

232 100

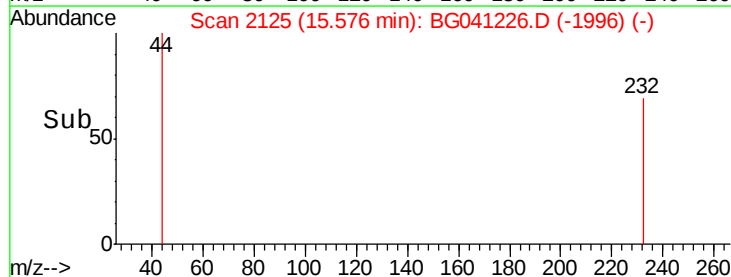
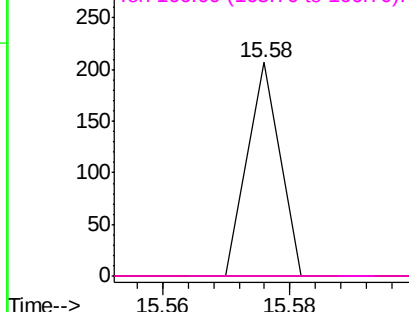
131 0.0 30.3 45.5#

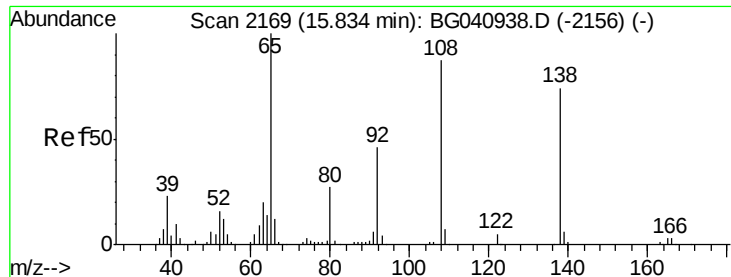
130 0.0 1.8 2.8#

166 0.0 21.3 31.9#



Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#62

4-Nitroaniline

Concen: 0.028 ng

RT: 15.96 min Scan# 2191

Delta R.T. 0.15 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampled :

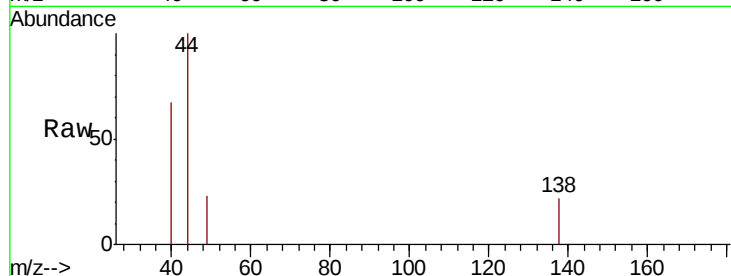
Tot Ion:138 Resp: 63

Ion Ratio Lower Upper

138 100

92 0.0 42.4 82.4#

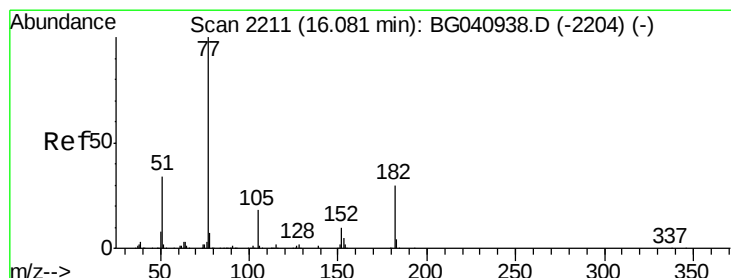
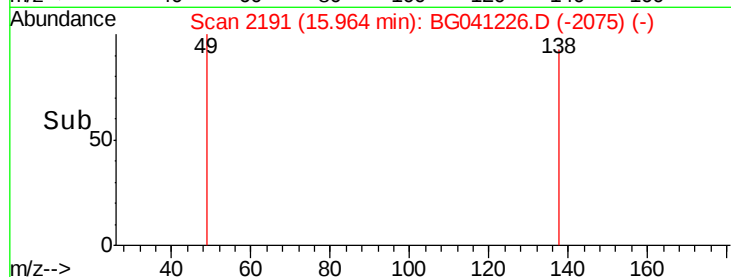
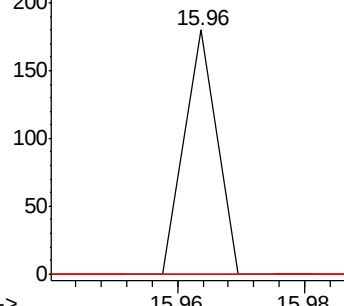
108 0.0 96.9 136.9#



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: 0.117 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.17 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Tgt Ion: 77 Resp: 1071

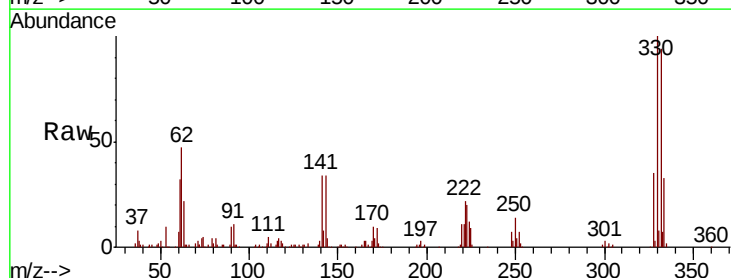
Ion Ratio Lower Upper

77 100

182 0.0 9.6 49.6#

105 64.6 0.0 37.5#

51 61.2 13.7 53.7#

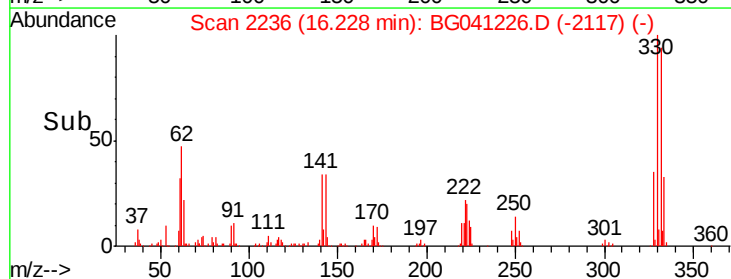
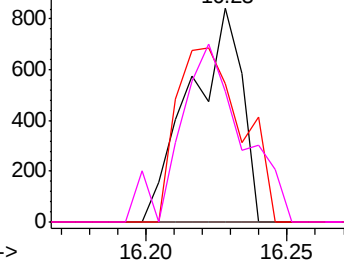


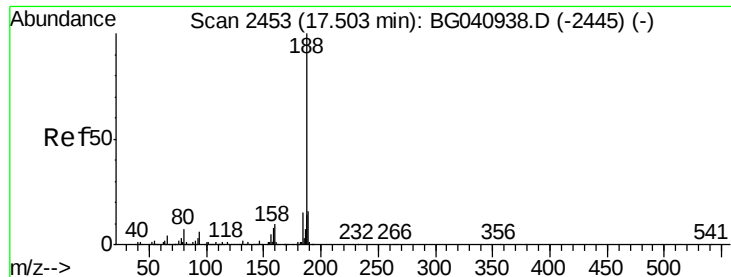
Abundance Ion 77.00 (76.70 to 77.70): BG

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

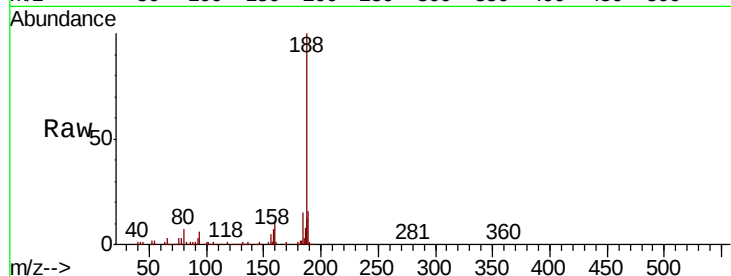
Tot Ion:188 Resp: 277889

Ion Ratio Lower Upper

188 100

94 5.9 4.7 7.1

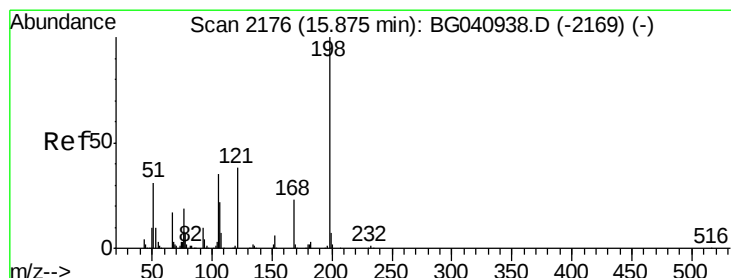
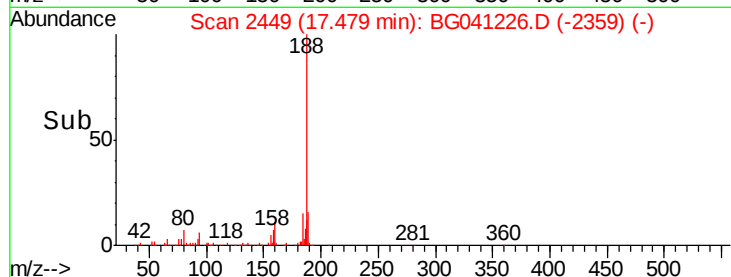
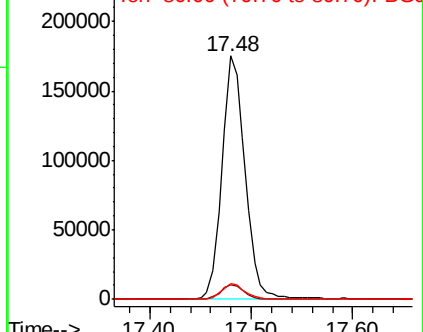
80 6.7 5.8 8.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 8.984 ng

RT: 16.23 min Scan# 2236

Delta R.T. 0.37 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

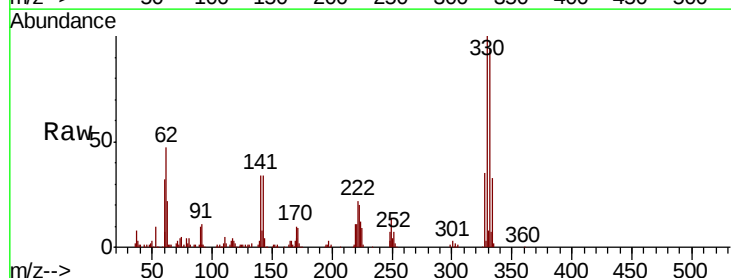
Tgt Ion:198 Resp: 715

Ion Ratio Lower Upper

198 100

51 97.2 21.6 61.6#

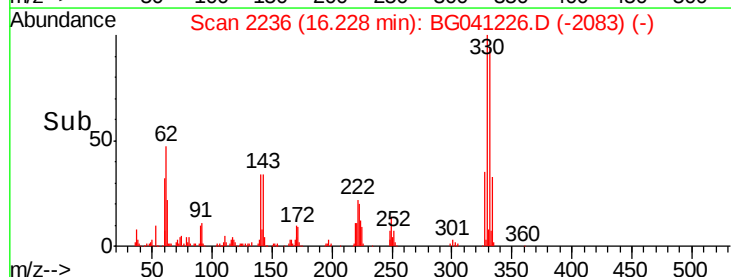
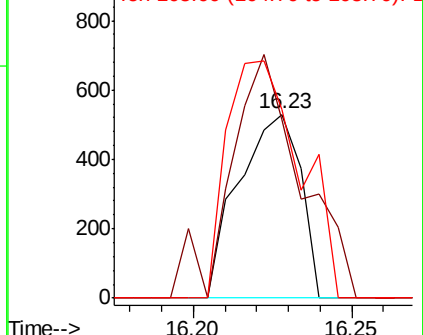
105 102.6 17.5 57.5#

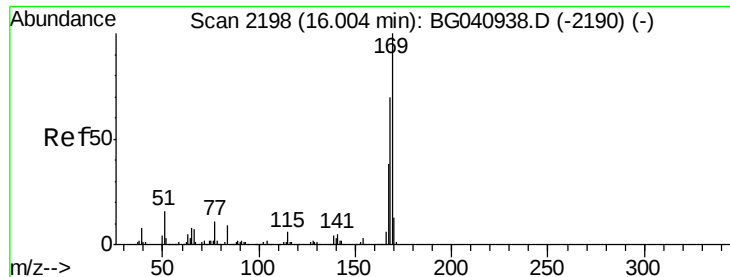


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

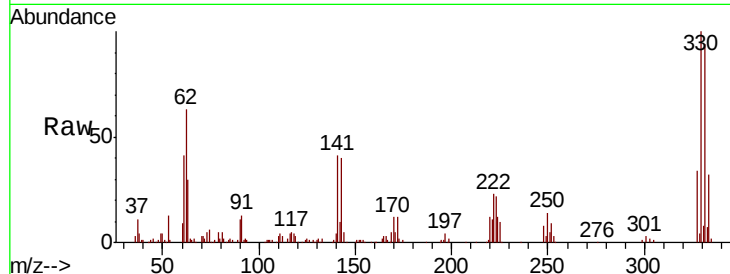




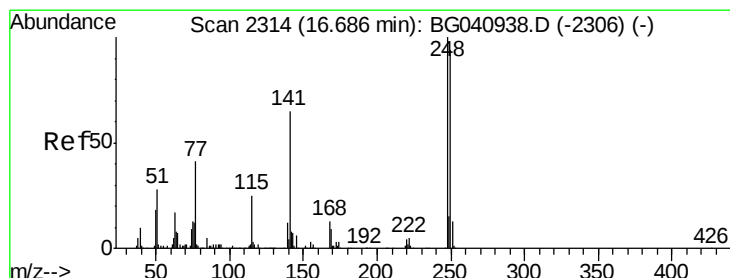
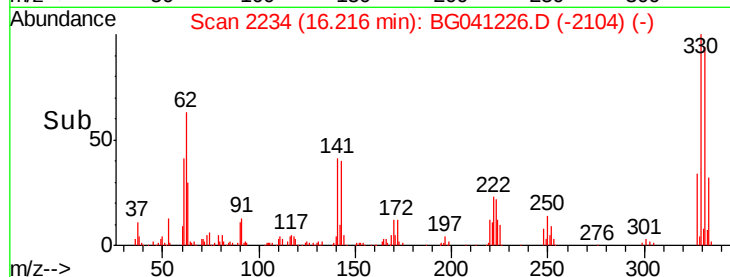
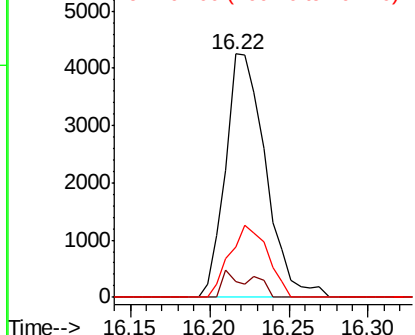
#66
 n-Nitrosodiphenylamine
 Concen: 0.954 ng
 RT: 16.22 min Scan# 2234
 Delta R.T. 0.23 min
 Lab File: BG041226.D
 Acq: 13 Jun 2019 11:29

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:169 Resp: 7452
 Ion Ratio Lower Upper
 169 100
 168 6.7 55.7 83.5#
 167 20.9 30.2 45.2#

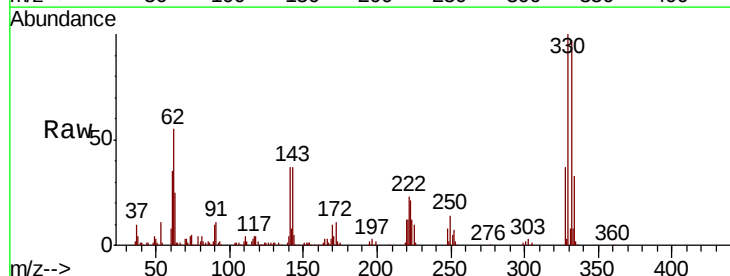


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

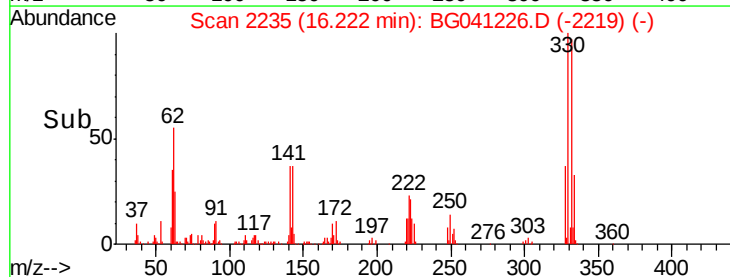
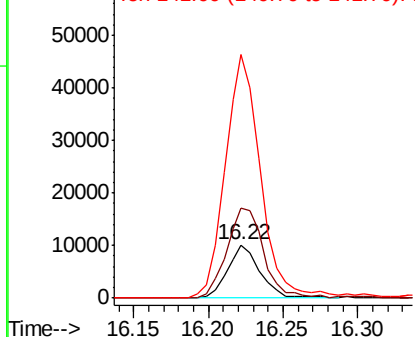


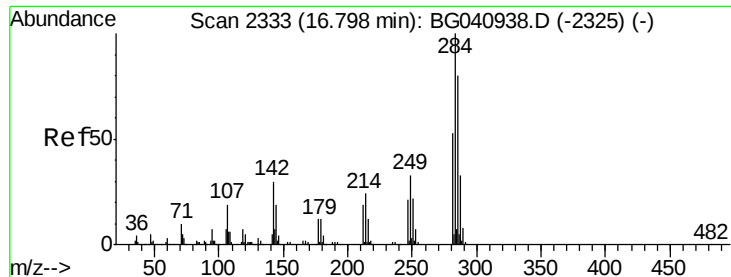
#67
 4-Bromophenyl-phenylether
 Concen: 4.113 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.44 min
 Lab File: BG041226.D
 Acq: 13 Jun 2019 11:29

Tgt Ion:248 Resp: 15424
 Ion Ratio Lower Upper
 248 100
 250 170.2 75.0 112.4#
 141 459.0 52.4 78.6#



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





#68

Hexachlorobenzene

Concen: 0.014 ng

RT: 16.84 min Scan# 2341

Delta R.T. 0.07 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

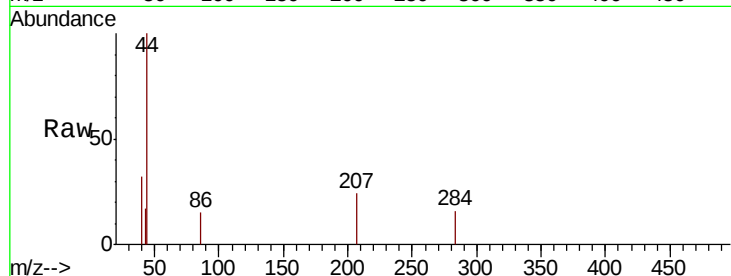
Tot Ion:284 Resp: 56

Ion Ratio Lower Upper

284 100

142 0.0 23.9 35.9#

249 0.0 26.8 40.2#

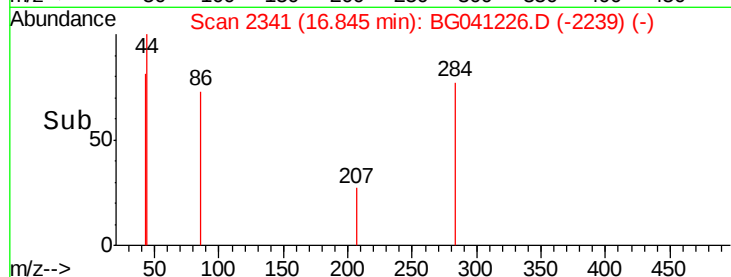


Abundance Ion 283.80 (283.50 to 284.50): E

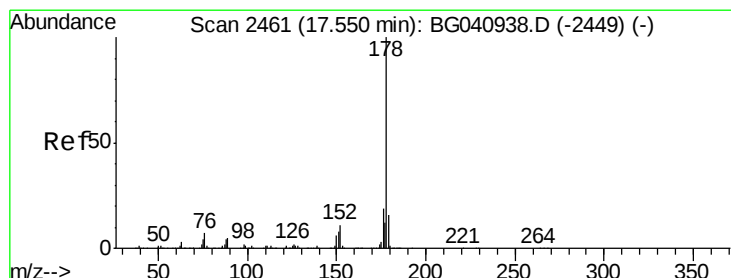
Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.84



Time-->



#71

Phenanthrene

Concen: 0.007 ng

RT: 17.49 min Scan# 2450

Delta R.T. -0.04 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

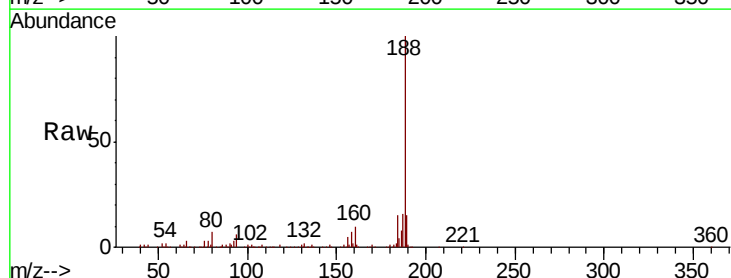
Tgt Ion:178 Resp: 108

Ion Ratio Lower Upper

178 100

176 0.0 15.5 23.3#

179 102.0 12.7 19.1#

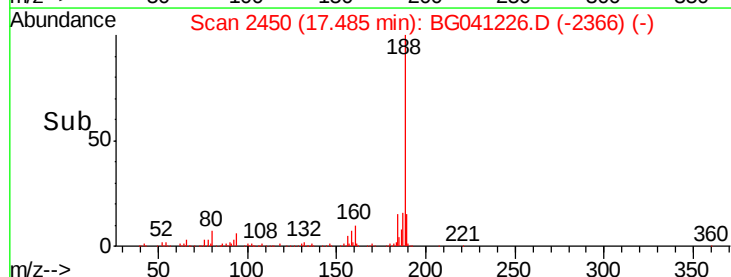


Abundance Ion 178.00 (177.70 to 178.70): E

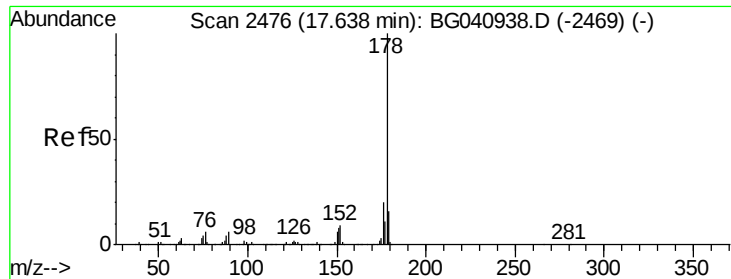
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.49



Time-->



#72

Anthracene

Concen: 0.008 ng

RT: 17.49 min Scan# 2450

Delta R.T. -0.13 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

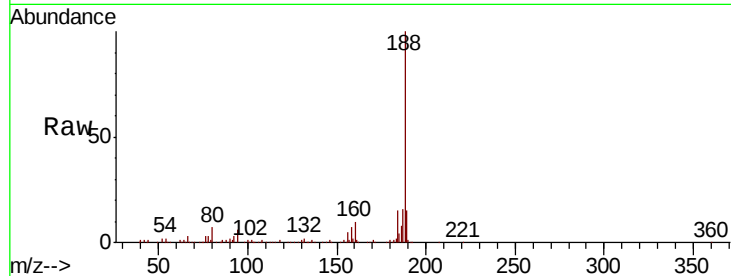
Tot Ion:178 Resp: 108

Ion Ratio Lower Upper

178 100

176 0.0 15.6 23.4#

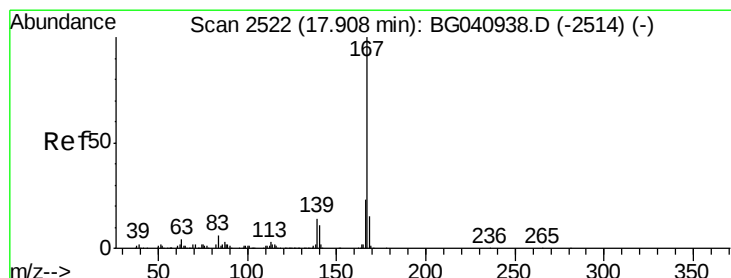
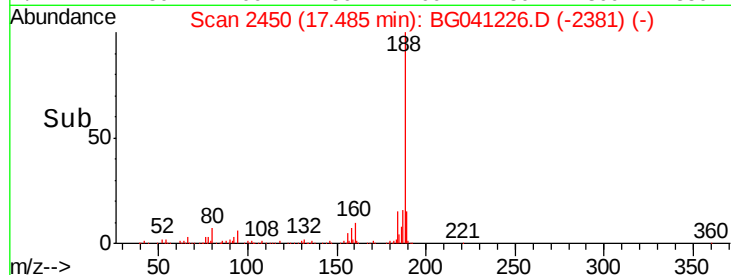
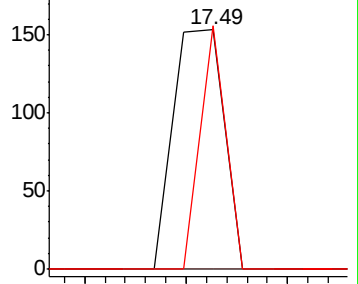
179 102.0 13.0 19.4#



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



#73

Carbazole

Concen: 0.005 ng

RT: 17.49 min Scan# 2450

Delta R.T. -0.40 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

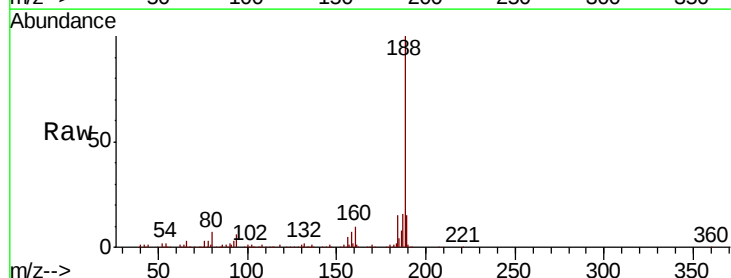
Tgt Ion:167 Resp: 58

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.4#

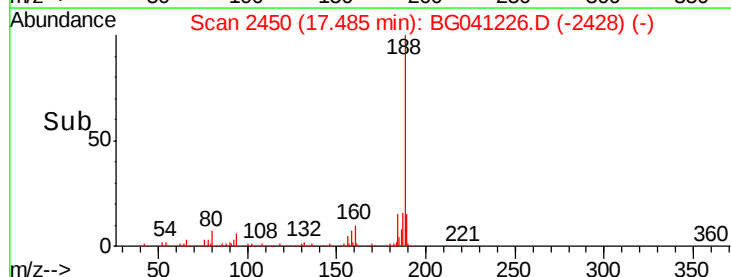
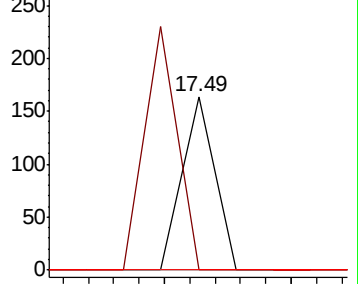
139 0.0 10.8 16.2#

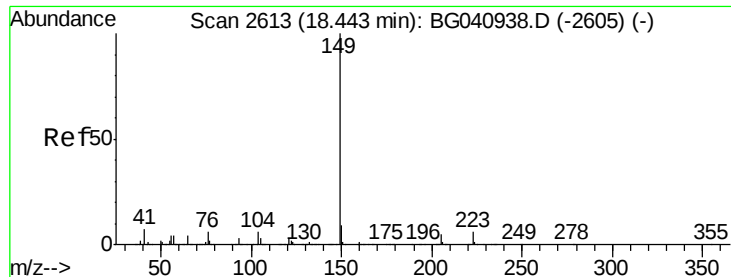


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

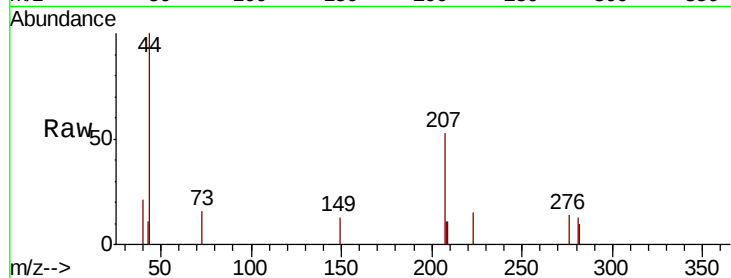




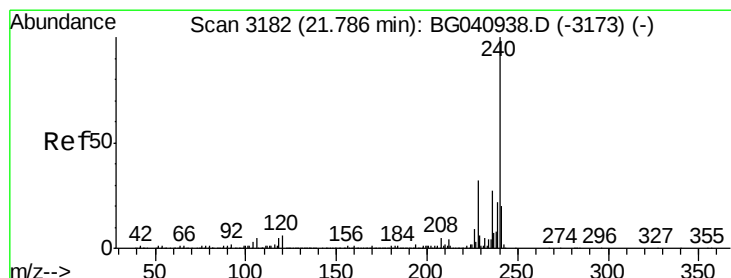
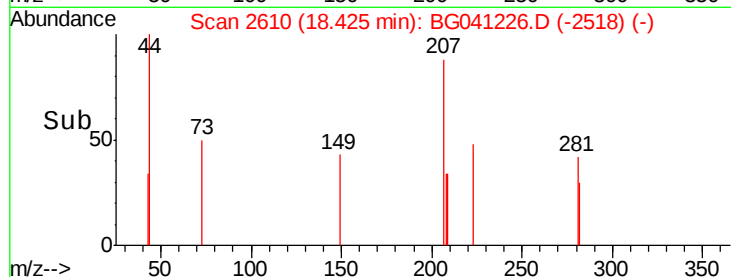
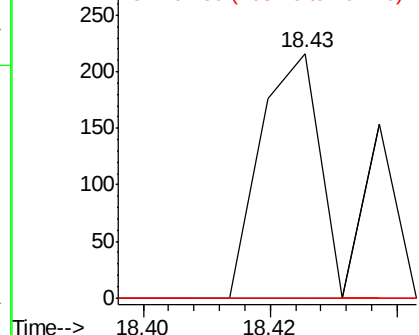
#74
Di-n-butylphthalate
Concen: 0.009 ng
RT: 18.43 min Scan# 2610
Delta R.T. 0.01 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

Instrument :
BNA_G
ClientSampled :

Tot Ion:149 Resp: 138
Ion Ratio Lower Upper
149 100
150 0.0 7.4 11.2#
104 0.0 5.0 7.4#

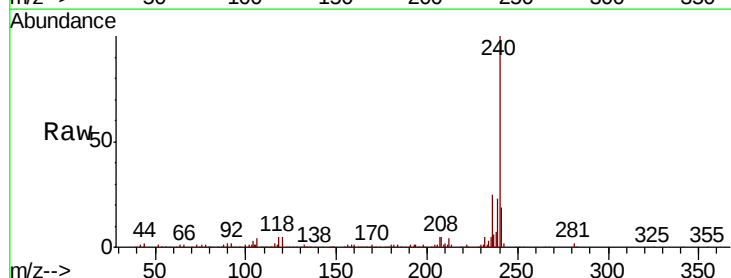


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

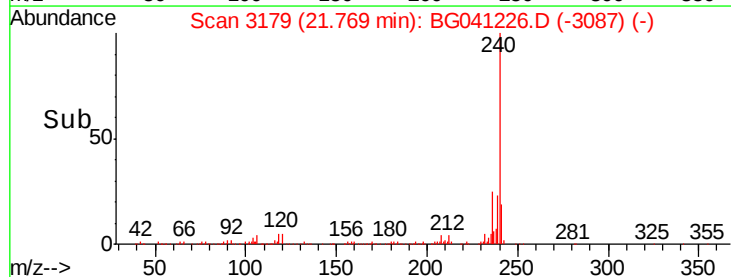
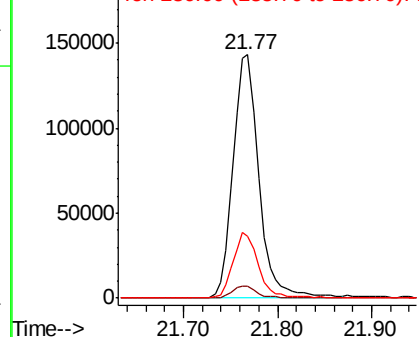


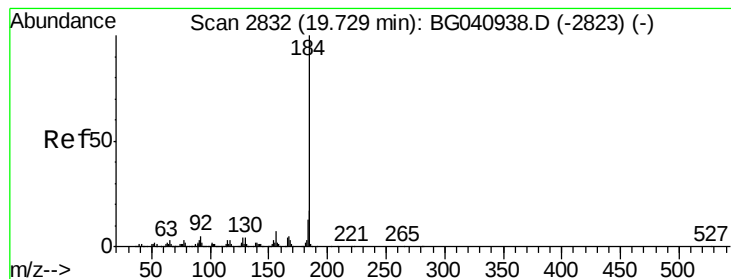
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.77 min Scan# 3179
Delta R.T. 0.01 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

Tgt Ion:240 Resp: 274596
Ion Ratio Lower Upper
240 100
120 4.8 4.5 6.7
236 25.3 21.3 31.9



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





#77

Benzidine

Concen: 3.300 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.37 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

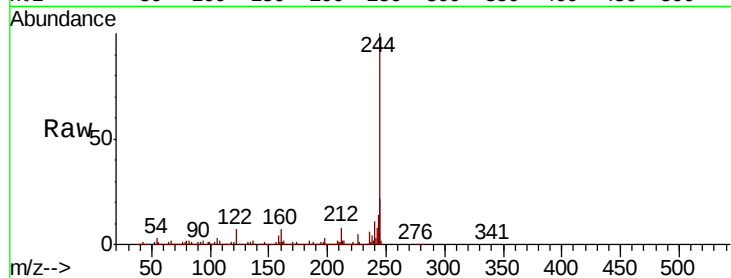
Tot Ion:184 Resp: 21620

Ion Ratio Lower Upper

184 100

185 12.6 13.3 19.9#

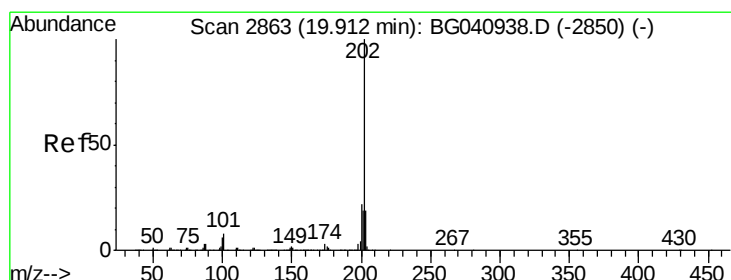
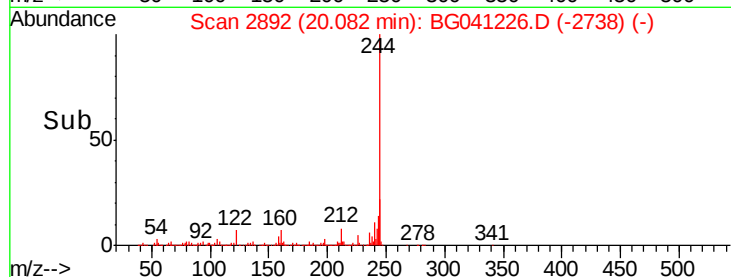
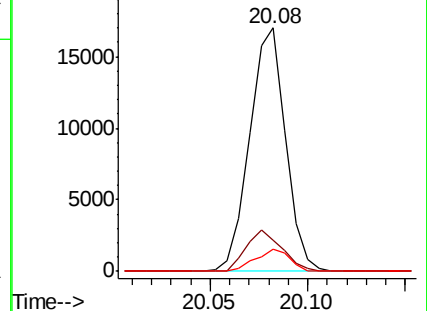
183 9.1 10.7 16.1#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.274 ng

RT: 20.08 min Scan# 2891

Delta R.T. 0.19 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

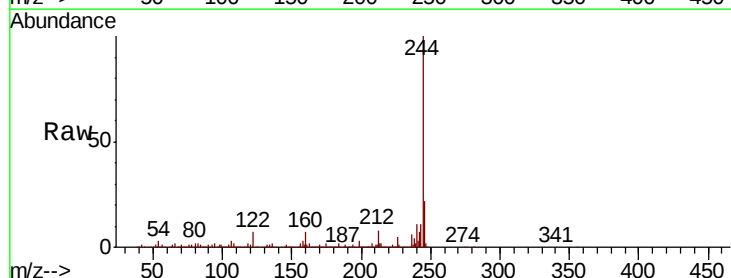
Tgt Ion:202 Resp: 4893

Ion Ratio Lower Upper

202 100

200 34.4 17.5 26.3#

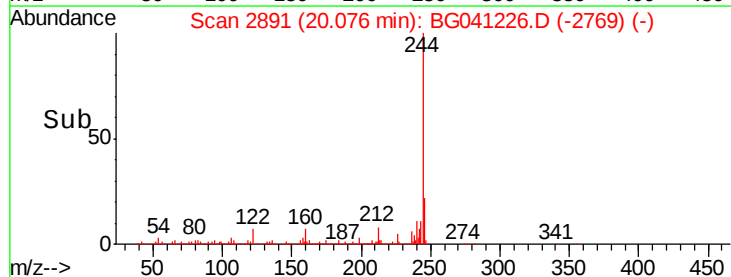
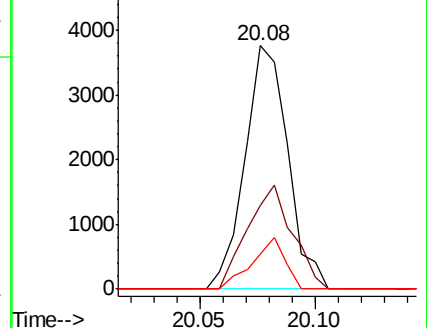
203 14.4 15.6 23.4#

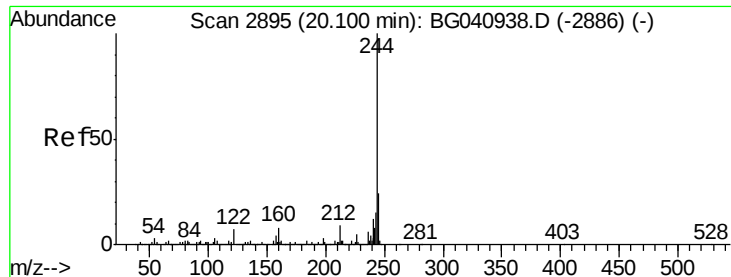


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 96.301 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.01 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

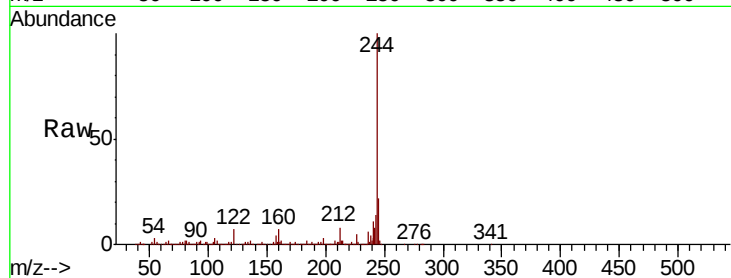
Tot Ion:244 Resp: 1245976

Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

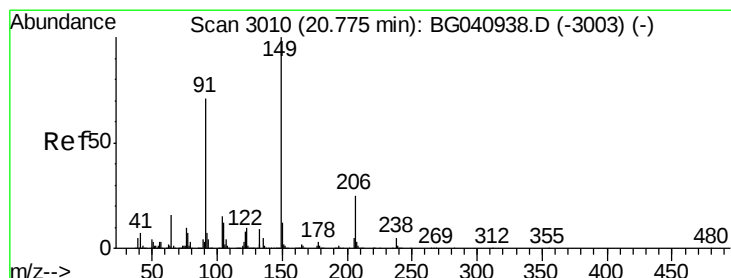
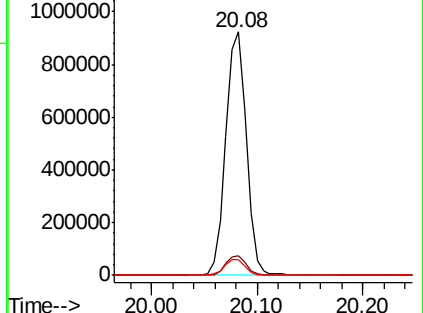
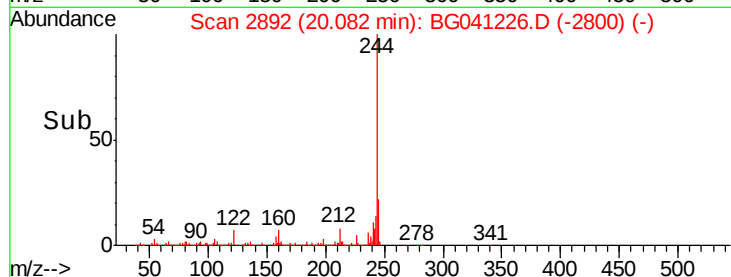
122 6.5 5.4 8.0



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: 0.039 ng

RT: 20.76 min Scan# 3008

Delta R.T. 0.01 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

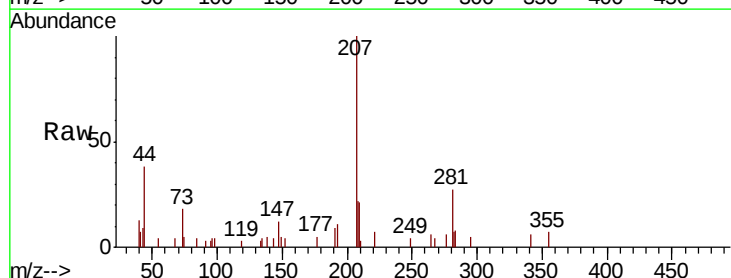
Tgt Ion:149 Resp: 272

Ion Ratio Lower Upper

149 100

91 63.8 56.5 84.7

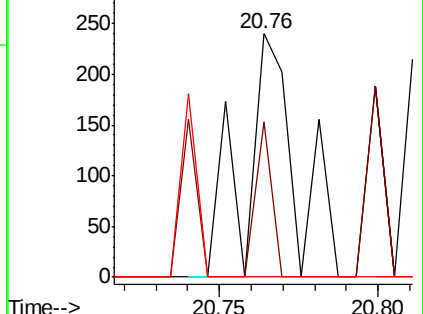
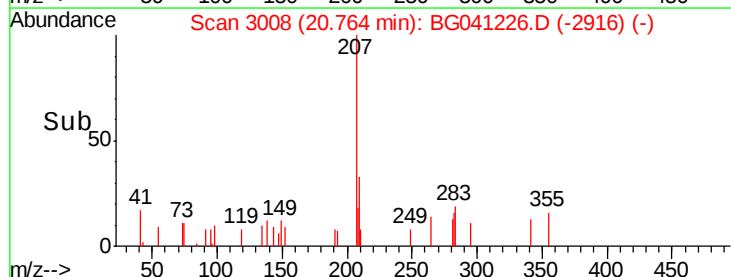
206 0.0 20.3 30.5#

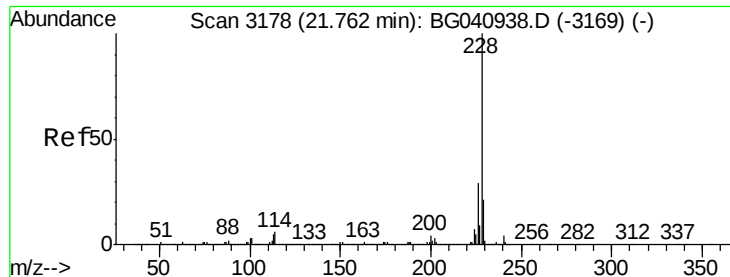


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.053 ng

RT: 21.77 min Scan# 3179

Delta R.T. 0.03 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

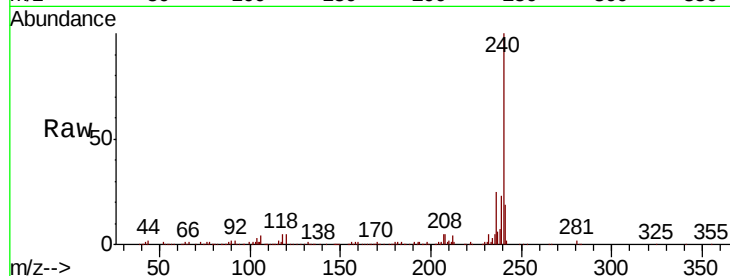
Tot Ion:228 Resp: 961

Ion Ratio Lower Upper

228 100

226 0.0 23.5 35.3#

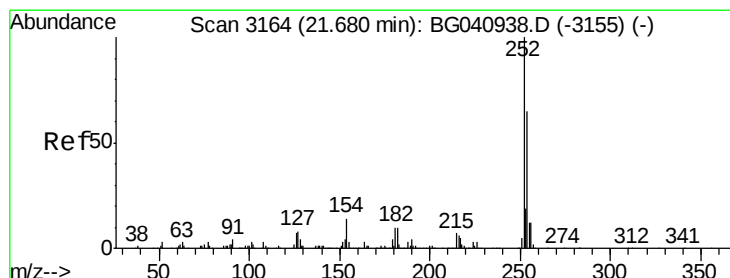
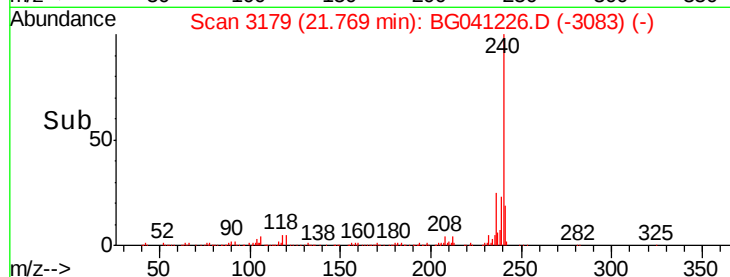
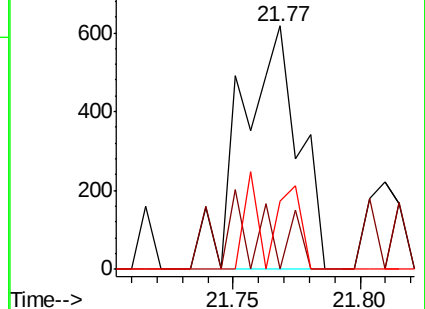
229 28.0 16.7 25.1#



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: 0.019 ng

RT: 21.66 min Scan# 3160

Delta R.T. 0.00 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

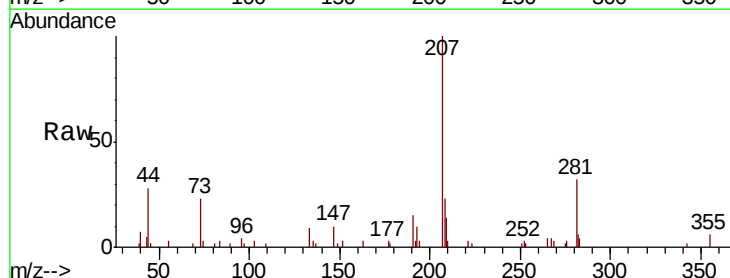
Tgt Ion:252 Resp: 125

Ion Ratio Lower Upper

252 100

254 0.0 52.1 78.1#

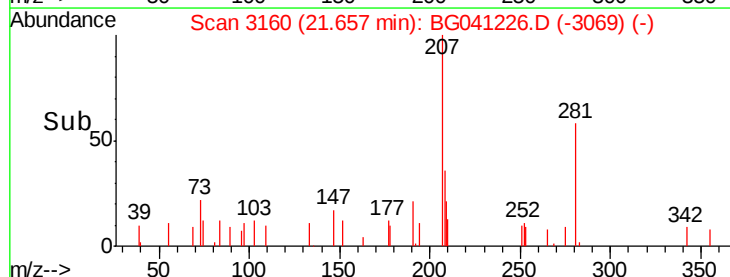
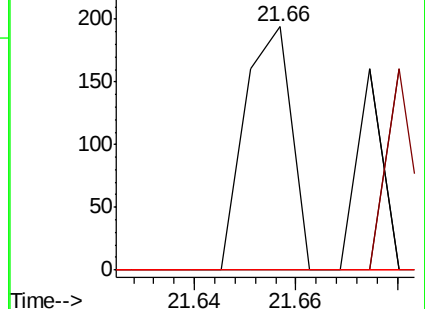
126 0.0 5.5 8.3#

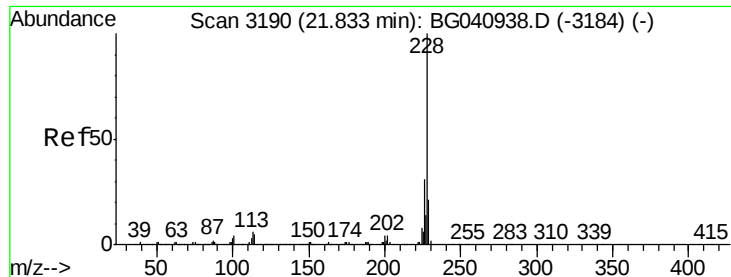


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 0.011 ng

RT: 21.81 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampled :

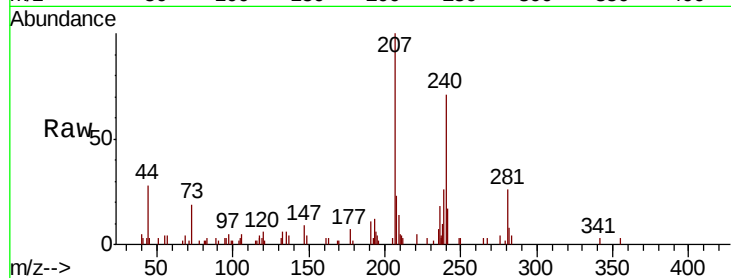
Tot Ion:228 Resp: 201

Ion Ratio Lower Upper

228 100

226 0.0 24.6 37.0#

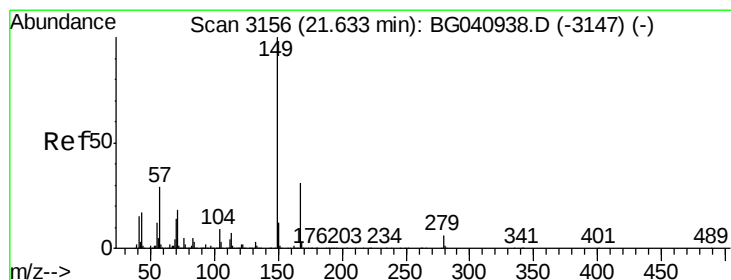
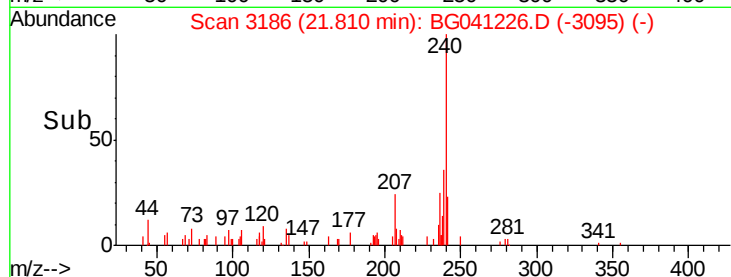
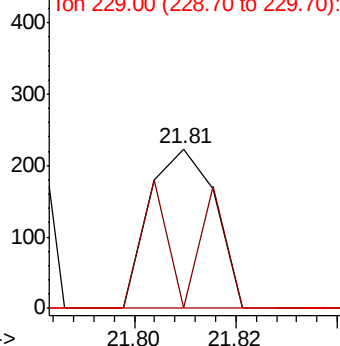
229 0.0 16.6 24.8#



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: 0.057 ng

RT: 21.62 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

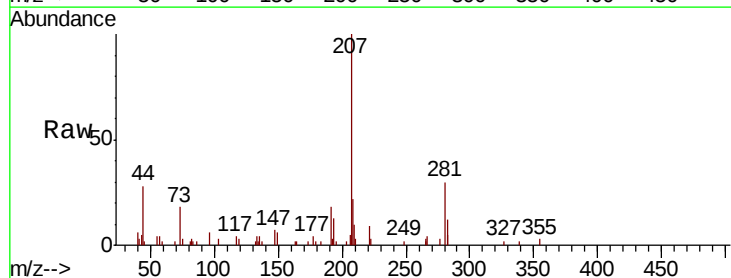
Tgt Ion:149 Resp: 562

Ion Ratio Lower Upper

149 100

167 0.0 24.6 37.0#

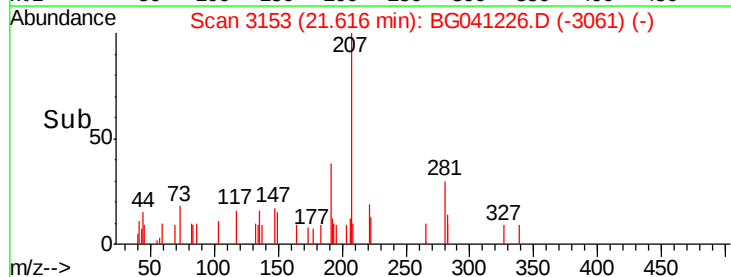
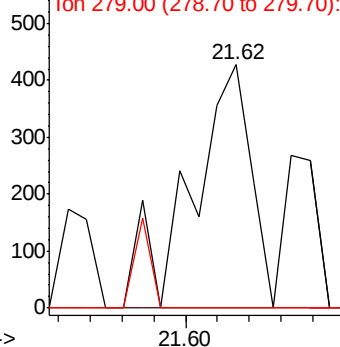
279 0.0 5.0 7.6#

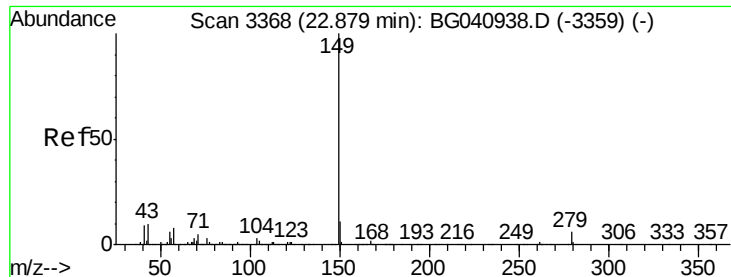


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

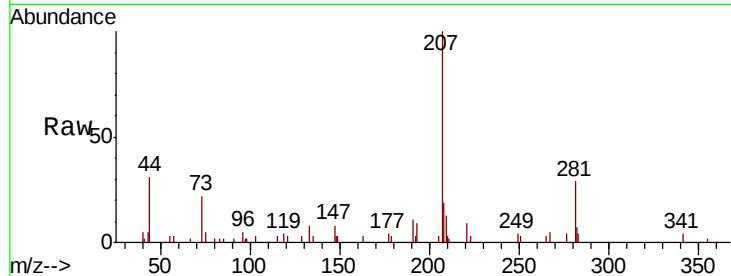




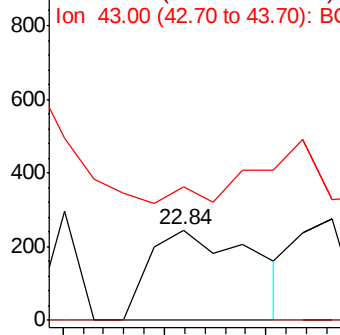
#85
Di-n-octyl phthalate
Concen: 0.021 ng
RT: 22.84 min Scan# 3362
Delta R.T. -0.00 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

Instrument :
BNA_G
ClientSampled :

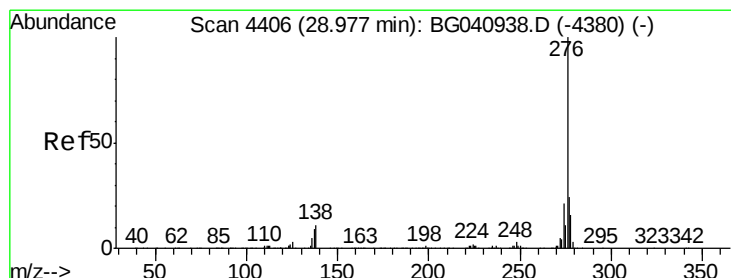
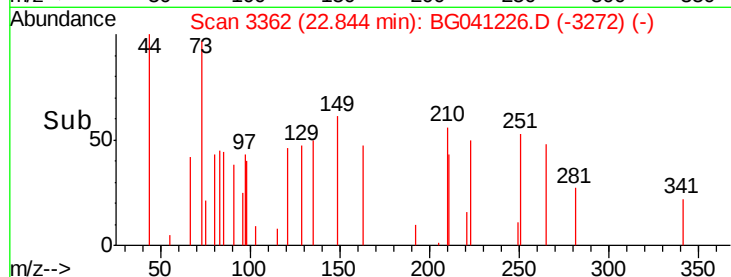
Tot Ion:149 Resp: 350
Ion Ratio Lower Upper
149 100
167 0.0 1.4 2.0#
43 0.0 8.1 12.1#



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

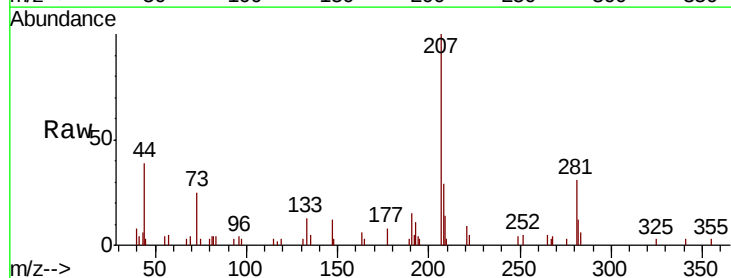


Time-->

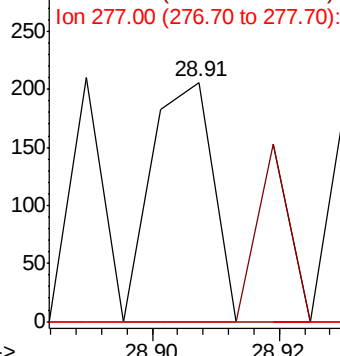


#86
Indeno(1,2,3-cd)pyrene
Concen: 0.006 ng
RT: 28.91 min Scan# 4394
Delta R.T. 0.00 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

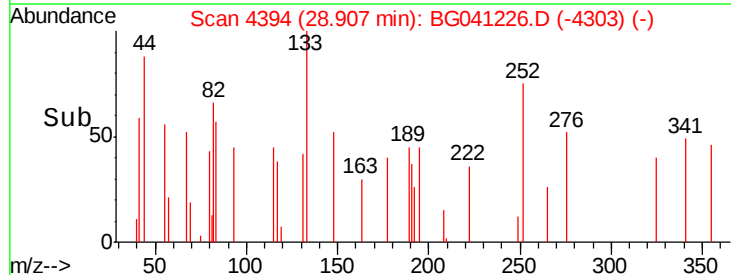
Tgt Ion:276 Resp: 137
Ion Ratio Lower Upper
276 100
138 39.4 5.7 8.5#
277 0.0 20.8 31.2#

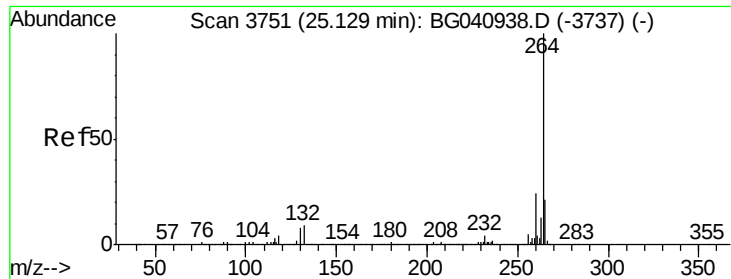


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->



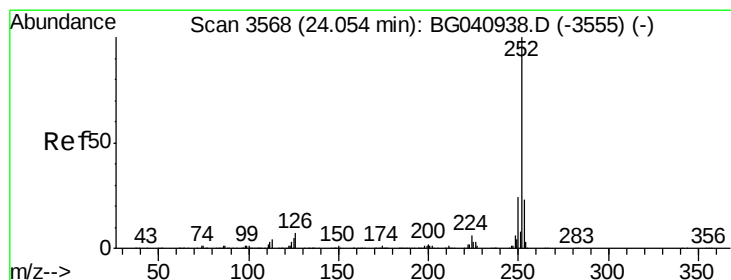
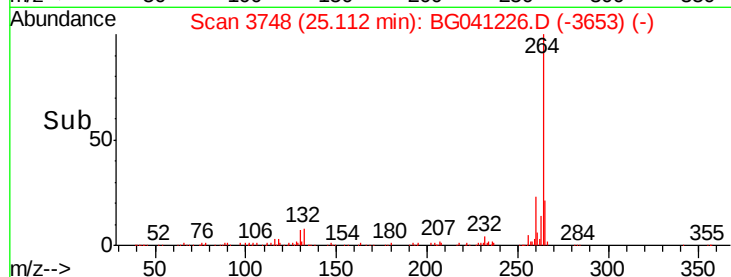
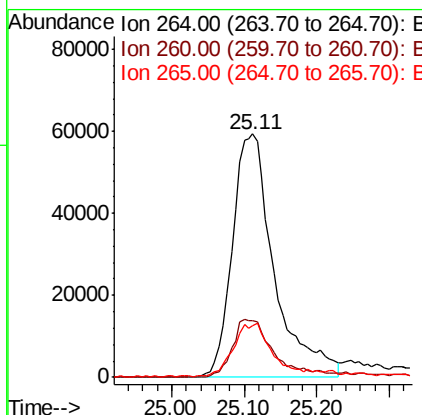
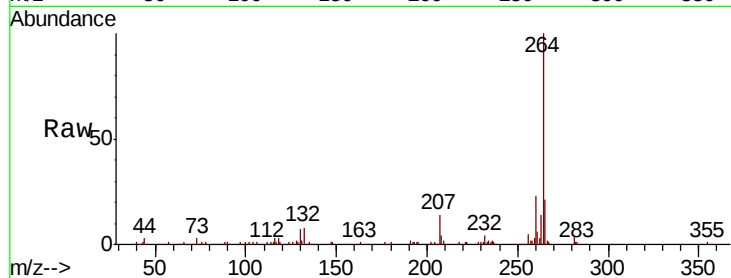


#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3748
Delta R.T. 0.03 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 237772

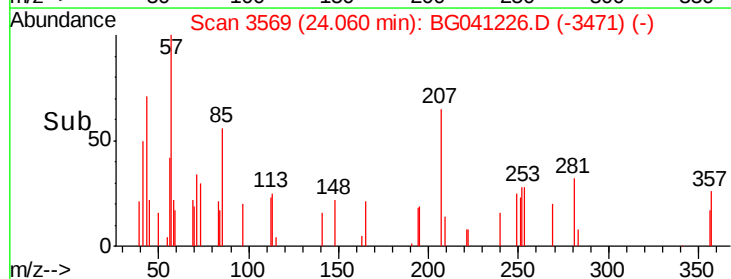
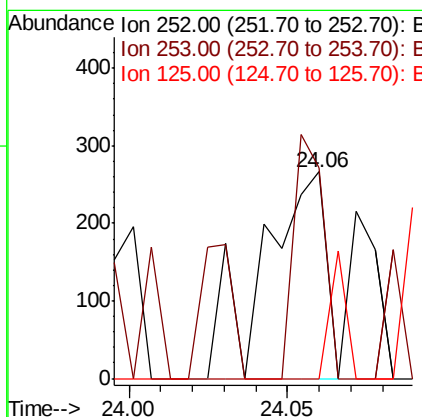
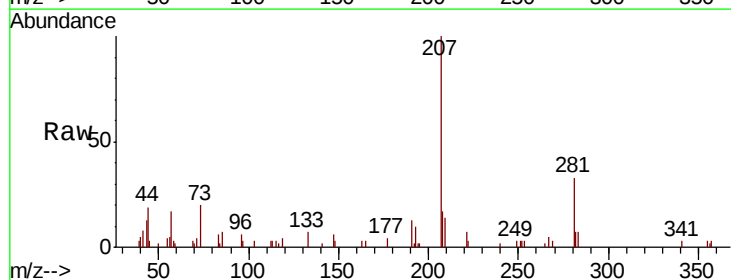
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.0	17.0	25.4

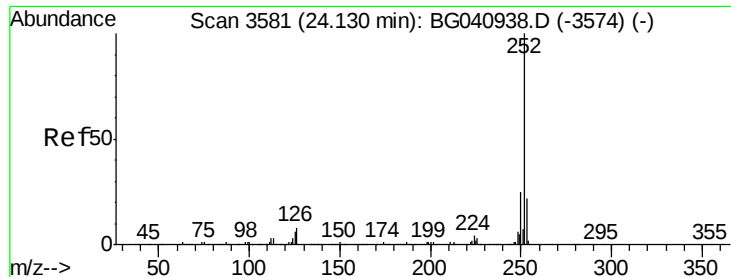


#88
Benzo(b)fluoranthene
Concen: 0.026 ng
RT: 24.06 min Scan# 3569
Delta R.T. 0.04 min
Lab File: BG041226.D
Acq: 13 Jun 2019 11:29

Tgt Ion:252 Resp: 368

Ion	Ratio	Lower	Upper
252	100		
253	101.9	18.4	27.6#
125	0.0	4.3	6.5#





#89

Benzo(k)fluoranthene

Concen: 0.026 ng

RT: 24.10 min Scan# 3575

Delta R.T. 0.00 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampleId :

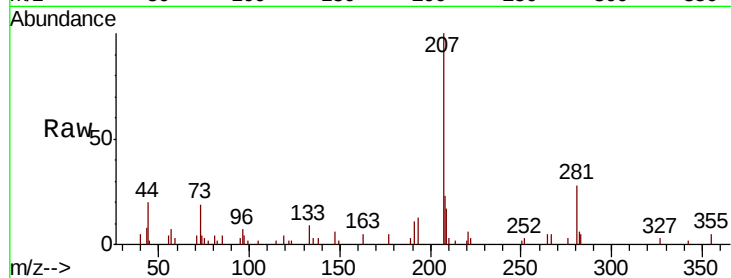
Tot Ion:252 Resp: 372

Ion Ratio Lower Upper

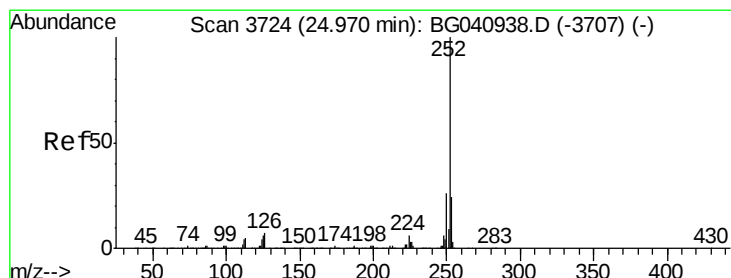
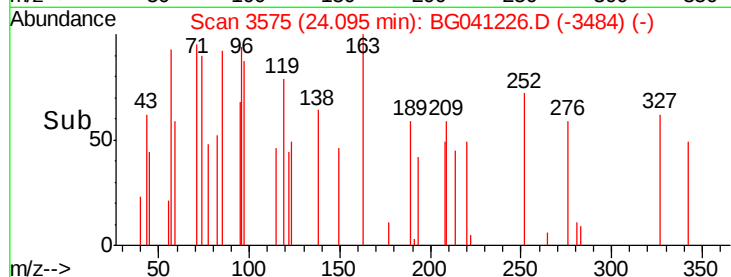
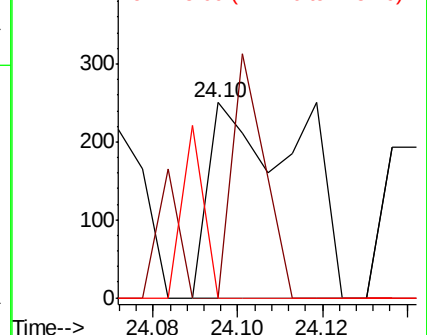
252 100

253 0.0 17.8 26.6#

125 0.0 4.7 7.1#



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: 0.010 ng

RT: 24.95 min Scan# 3721

Delta R.T. 0.03 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

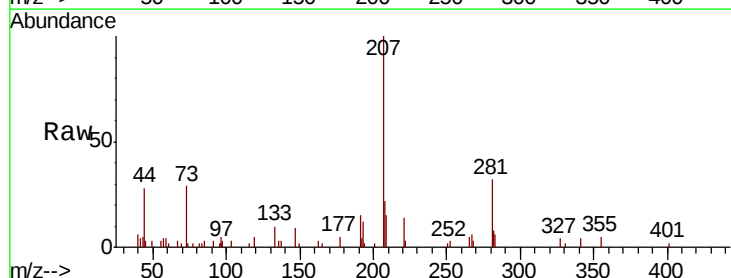
Tgt Ion:252 Resp: 135

Ion Ratio Lower Upper

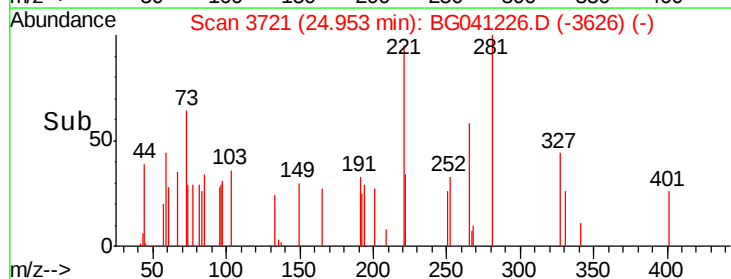
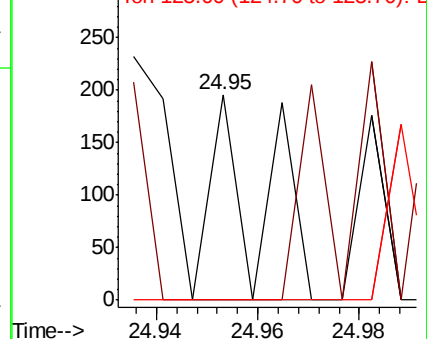
252 100

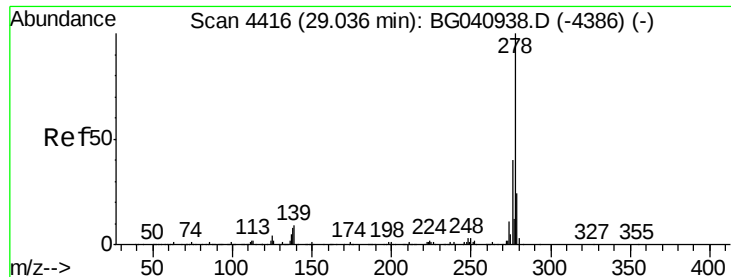
253 0.0 19.5 29.3#

125 0.0 5.1 7.7#



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: 0.023 ng

RT: 29.00 min Scan# 4409

Delta R.T. 0.03 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

Instrument :

BNA_G

ClientSampled :

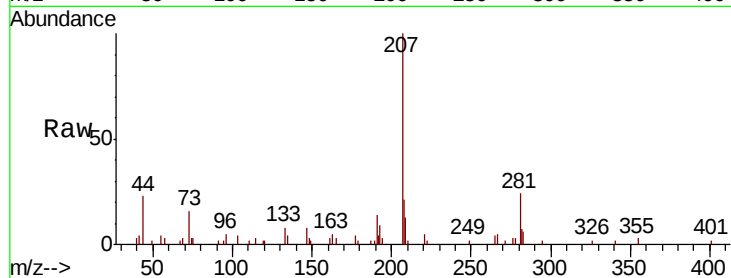
Tot Ion:278 Resp: 319

Ion Ratio Lower Upper

278 100

139 0.0 7.1 10.7#

279 0.0 19.4 29.2#

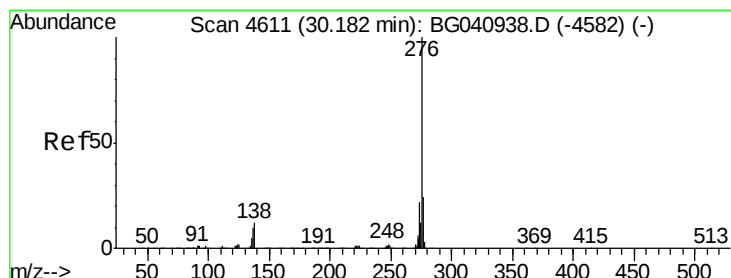
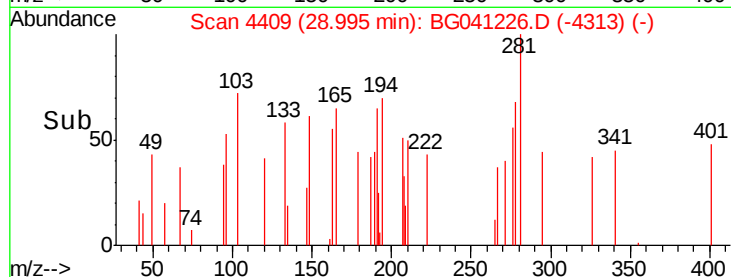
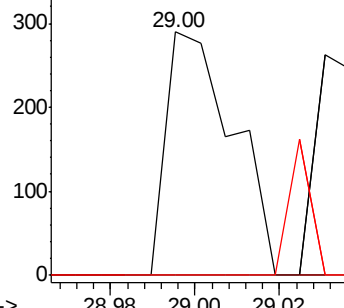


Abundance

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: 0.018 ng

RT: 30.16 min Scan# 4608

Delta R.T. 0.05 min

Lab File: BG041226.D

Acq: 13 Jun 2019 11:29

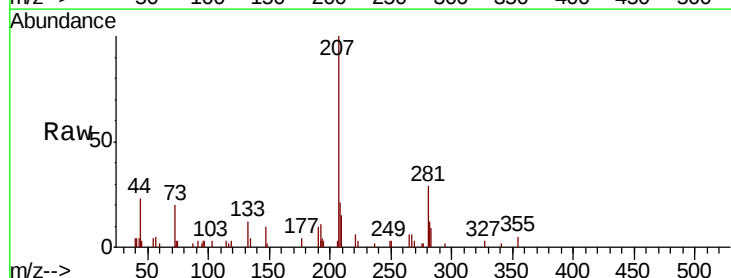
Tgt Ion:276 Resp: 239

Ion Ratio Lower Upper

276 100

277 89.6 19.4 29.0#

138 0.0 9.7 14.5#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

