

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\
 Data File : BG043813.D
 Acq On : 12 Dec 2019 2:37
 Operator : JU
 Sample : K6245-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LIGHT-GREEN-BRICK

Quant Time: Dec 12 03:24:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

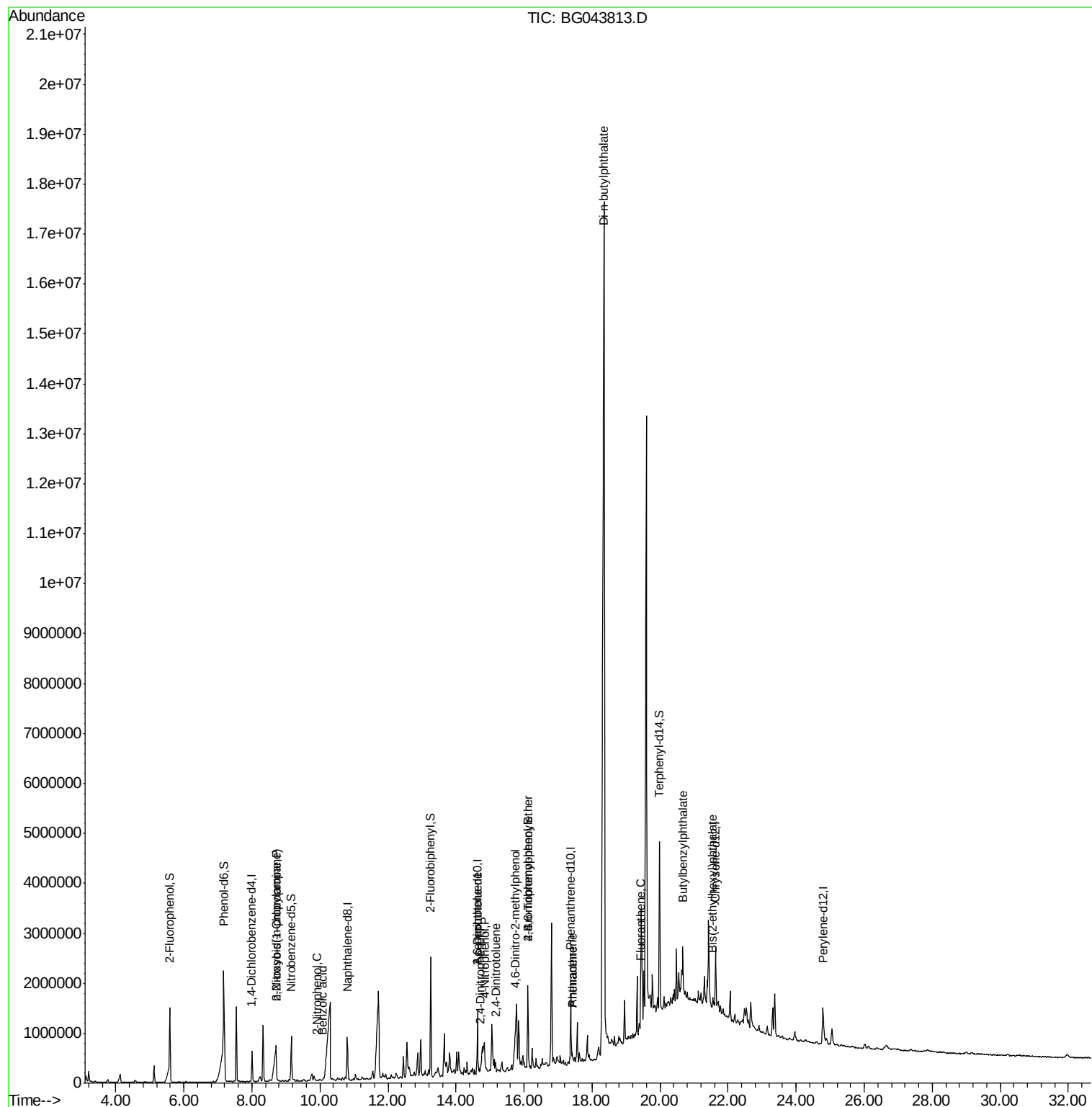
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	176964	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	728835	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	450486	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	856670	20.00	ng	0.00
76) Chrysene-d12	21.63	240	705130	20.00	ng	0.00
87) Perylene-d12	24.79	264	801149	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	635715	68.06	ng	0.01
7) Phenol-d6	7.17	99	911757	67.69	ng	0.02
23) Nitrobenzene-d5	9.16	82	566097	43.61	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	278146	64.76	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1186723	46.27	ng	0.00
79) Terphenyl-d14	19.99	244	1444637	49.29	ng	0.00
Target Compounds						
9) Benzaldehyde	7.14	77	1342	Below Cal		Qvalue # 42
16) 2,2'-oxybis(1-Chloropropan	8.71	45	124256	6.570	ng	77
19) n-Nitroso-di-n-propylamine	8.71	70	93728	9.102	ng	# 44
26) 2-Nitrophenol	9.91	139	59	8.357	ng	# 1
32) Benzoic acid	10.06	122	1297	5.870	ng	89
51) 2,6-Dinitrotoluene	14.63	165	61242	8.838	ng	# 30
54) 2,4-Dinitrophenol	14.72	184	115	3.999	ng	# 1
56) 4-Nitrophenol	14.84	139	17611	3.044	ng	89
57) 2,4-Dinitrotoluene	15.16	165	62567	6.683	ng	# 28
65) 4,6-Dinitro-2-methylphenol	15.74	198	394	9.596	ng	# 1
67) 4-Bromophenyl-phenylether	16.12	248	22872	2.497	ng	# 1
71) Phenanthrene	17.41	178	113083	2.788	ng	95
72) Anthracene	17.41	178	113083	2.817	ng	97
74) Di-n-butylphthalate	18.34	149	106724	2.481	ng	# 92
75) Fluoranthene	19.42	202	124664	2.686	ng	94
80) Butylbenzylphthalate	20.67	149	86714	4.518	ng	# 63
84) Bis(2-ethylhexyl)phthalate	21.54	149	79789	2.898	ng	100

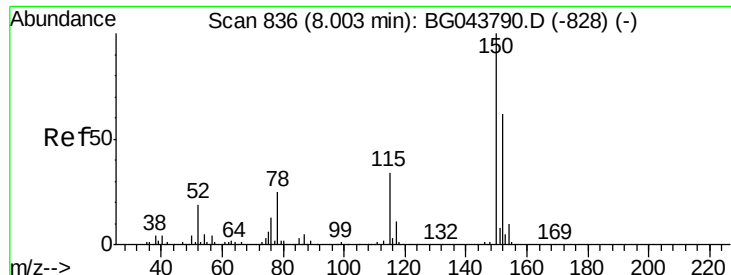
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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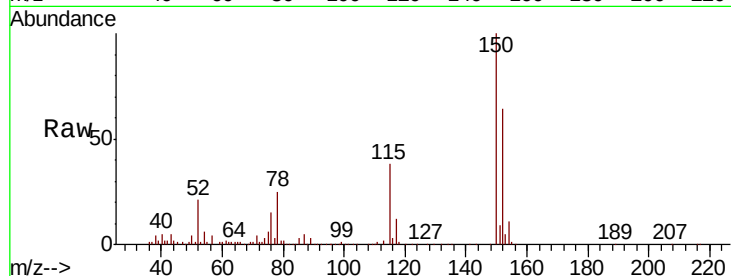


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Instrument :
BNA_G
ClientSampleId :
LIGHT-GREEN-BRICK

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.6	192.8
115	58.9	44.3	66.5

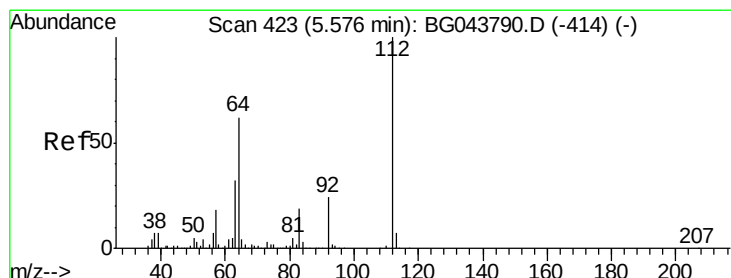
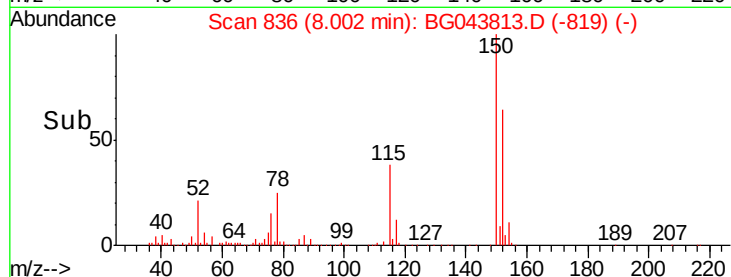
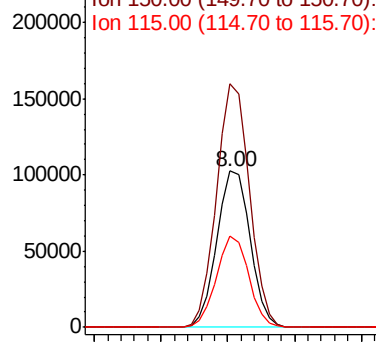


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

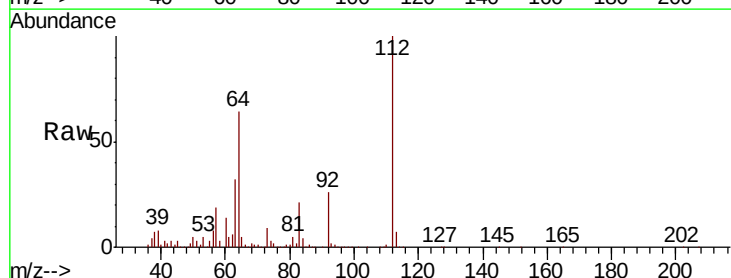
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.065 ng
RT: 5.59 min Scan# 425
Delta R.T. 0.01 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	49.9	74.9
63	32.4	26.0	39.0

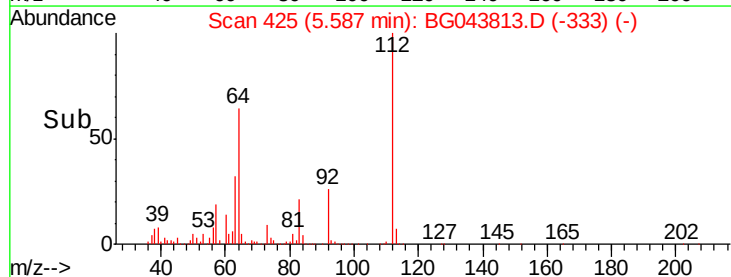
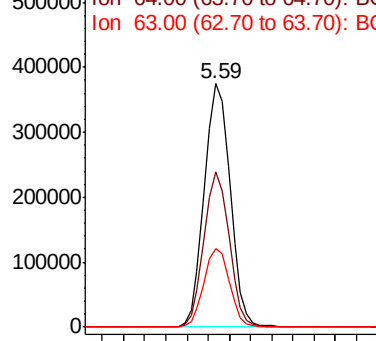


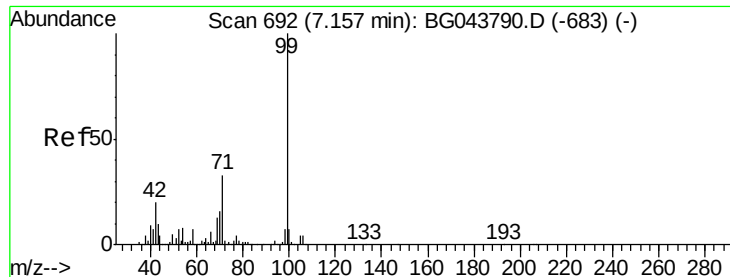
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 67.689 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.02 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

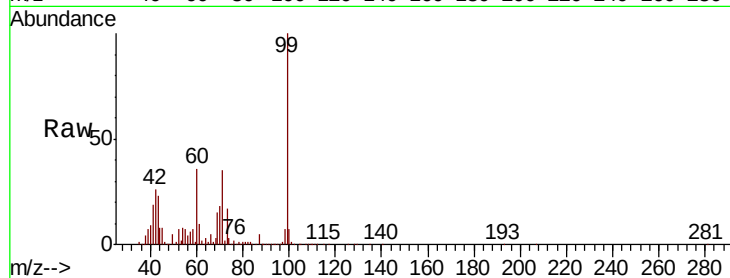
Tot Ion: 99 Resp: 911757

Ion Ratio Lower Upper

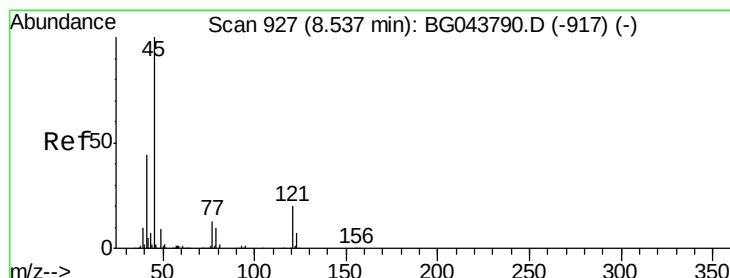
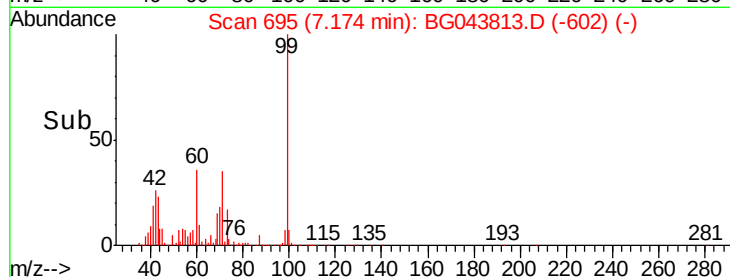
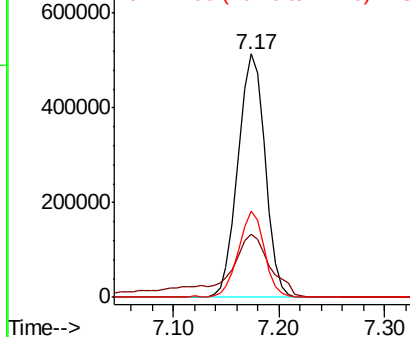
99 100

42 25.9 16.2 24.2#

71 35.4 26.6 40.0



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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.570 ng

RT: 8.71 min Scan# 956

Delta R.T. 0.17 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

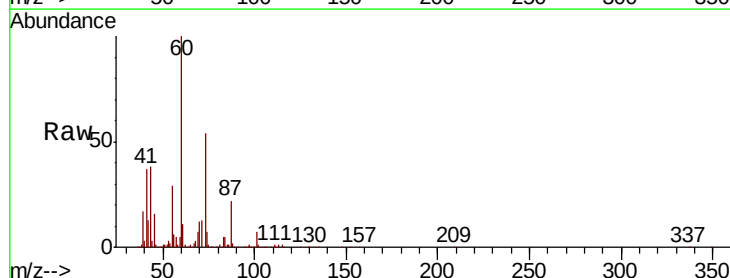
Tgt Ion: 45 Resp: 124256

Ion Ratio Lower Upper

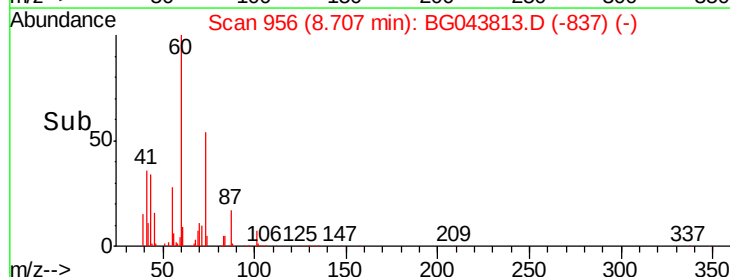
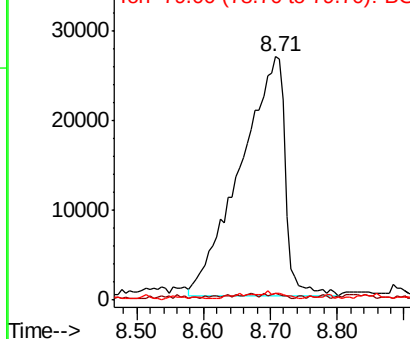
45 100

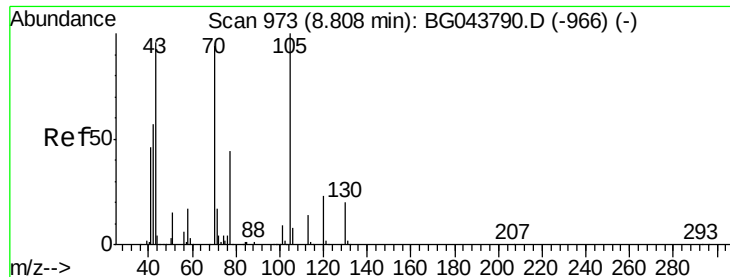
77 2.9 0.0 33.6

79 2.9 0.0 29.9



Abundance Ion 45.00 (44.70 to 45.70): BGC
Ion 77.00 (76.70 to 77.70): BGC
Ion 79.00 (78.70 to 79.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 9.102 ng

RT: 8.71 min Scan# 957

Delta R.T. -0.09 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

Tot Ion: 70 Resp: 93728

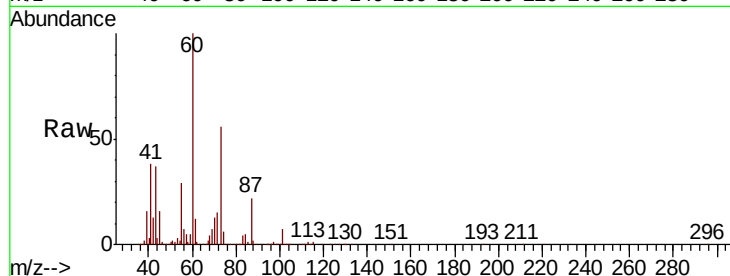
Ion Ratio Lower Upper

70 100

42 101.1 49.2 73.8#

101 50.7 7.8 11.6#

130 0.8 17.0 25.6#

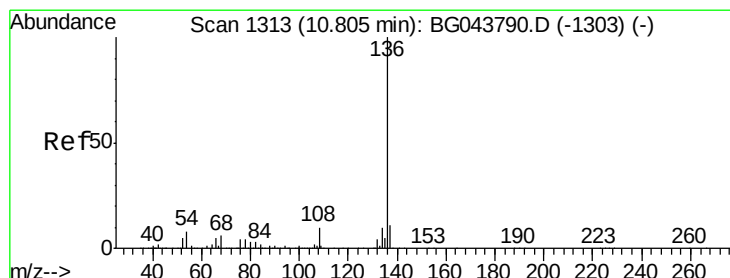
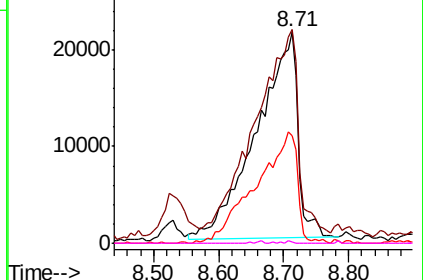
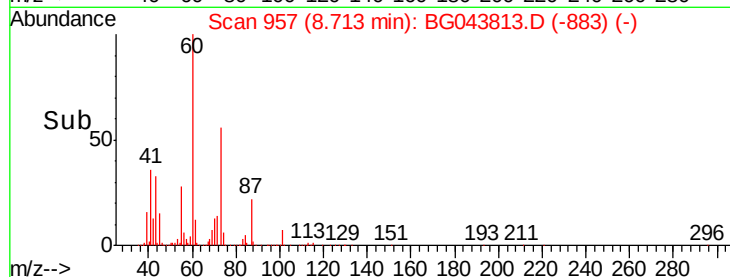


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Tgt Ion: 136 Resp: 728835

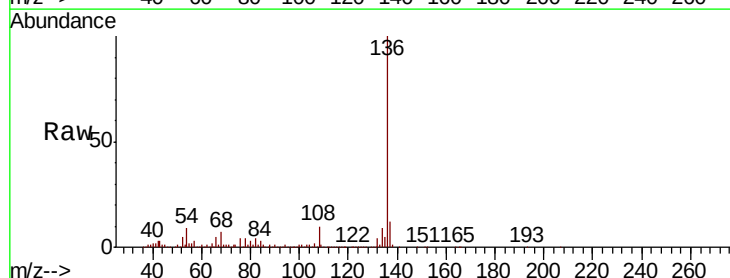
Ion Ratio Lower Upper

136 100

137 11.7 8.7 13.1

54 8.9 6.8 10.2

68 6.7 5.0 7.4

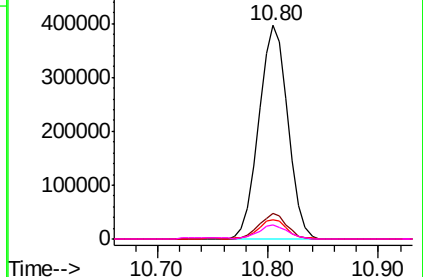
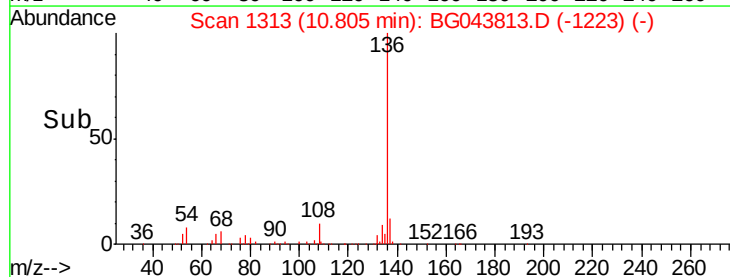


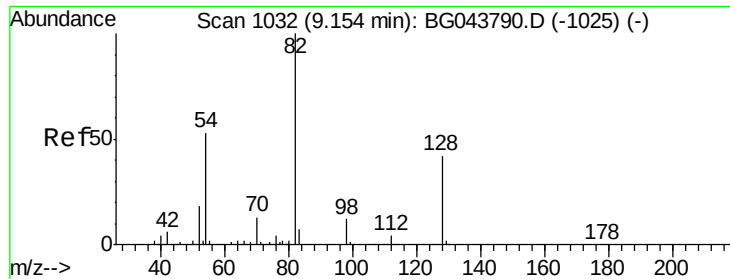
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

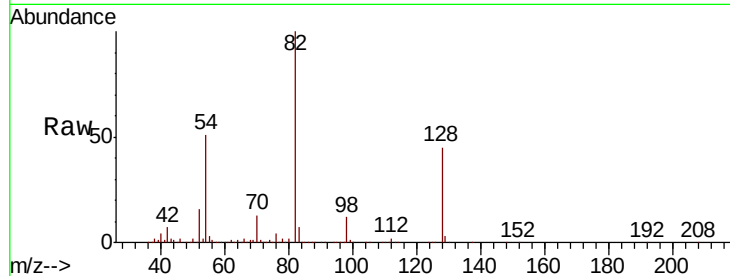




#23
Nitrobenzene-d5
Concen: 43.610 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.01 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Instrument :
BNA_G
ClientSampleId :
LIGHT-GREEN-BRICK

Tot Ion	82	Resp	566097
Ion Ratio	Lower	Upper	
82	100		
128	44.7	33.6	50.4
54	50.9	42.1	63.1

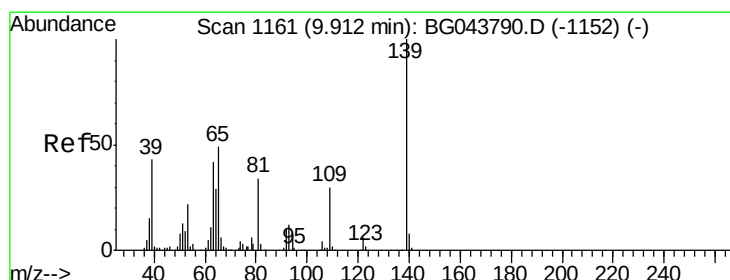
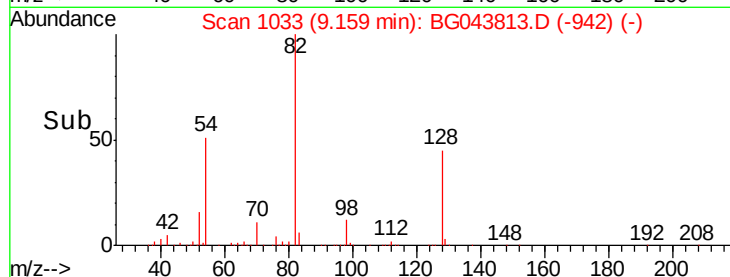
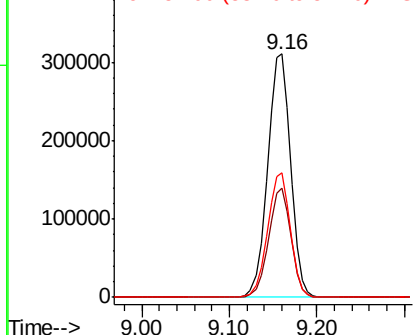


Abundance

Ion 82.00 (81.70 to 82.70): BGC

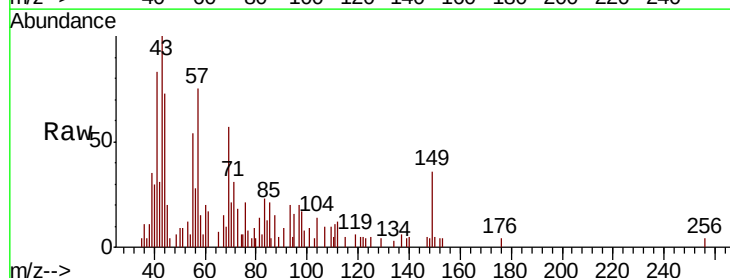
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#26
2-Nitrophenol
Concen: 8.357 ng
RT: 9.91 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Tgt Ion	139	Resp	59
Ion Ratio	Lower	Upper	
139	100		
109	268.7	23.9	35.9#
65	200.6	39.3	58.9#

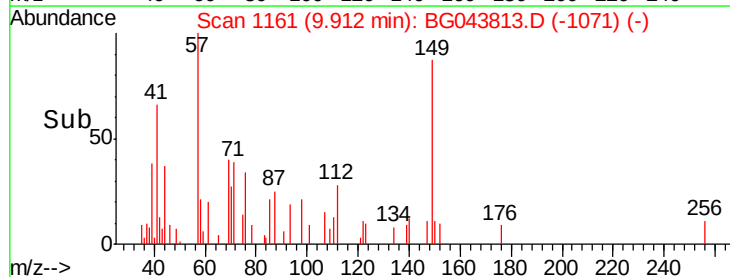
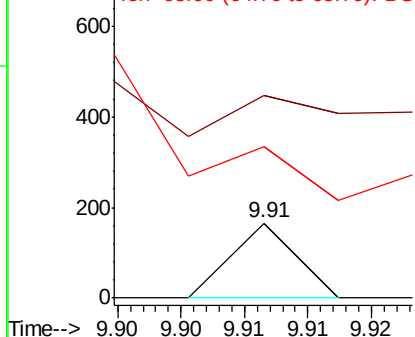


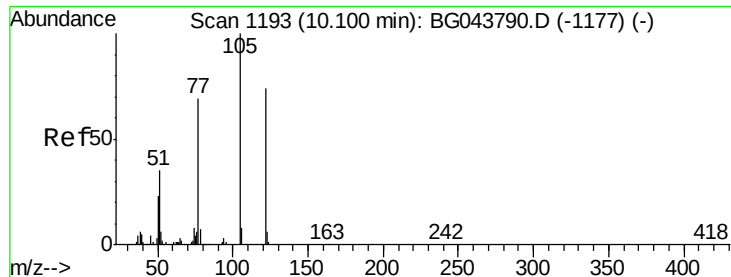
Abundance

Ion 139.00 (138.70 to 139.70): BGC

Ion 109.00 (108.70 to 109.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

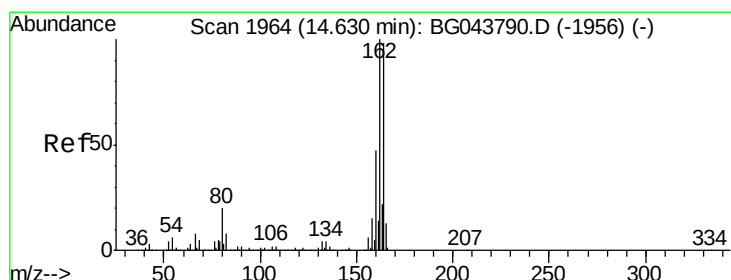
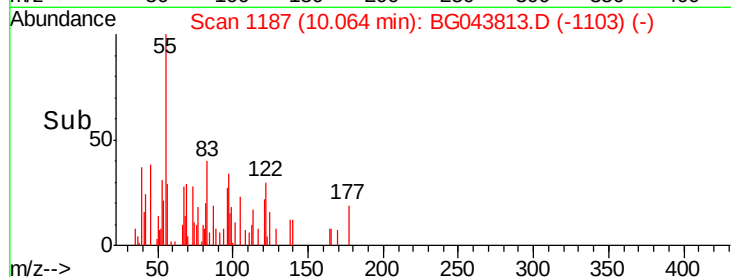
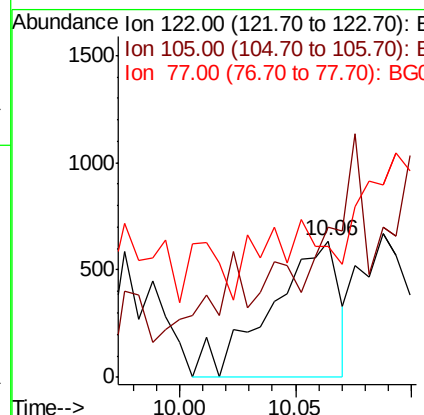
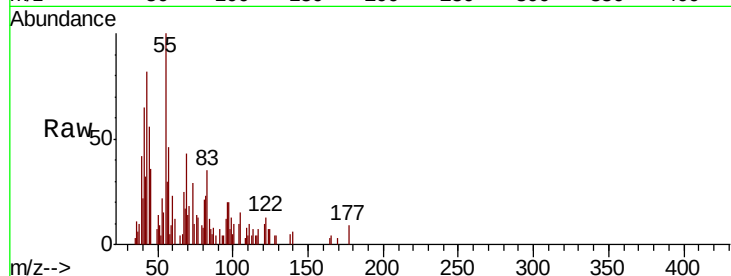




#32
Benzoic acid
Concen: 5.870 ng
RT: 10.06 min Scan# 1187
Delta R.T. -0.04 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

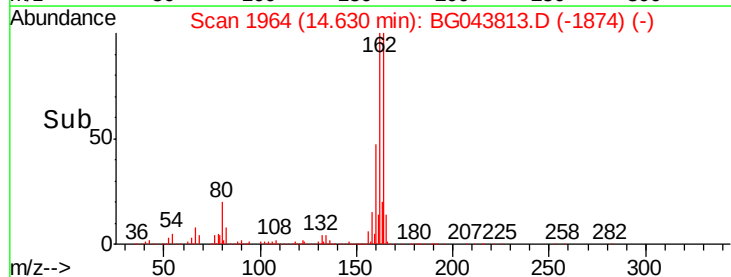
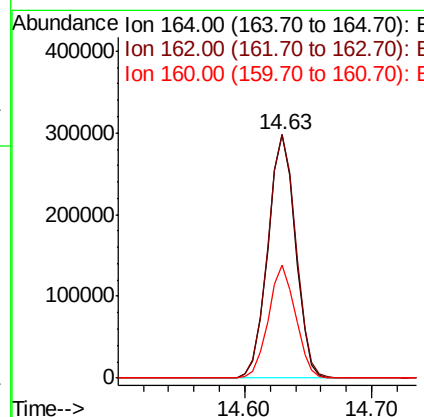
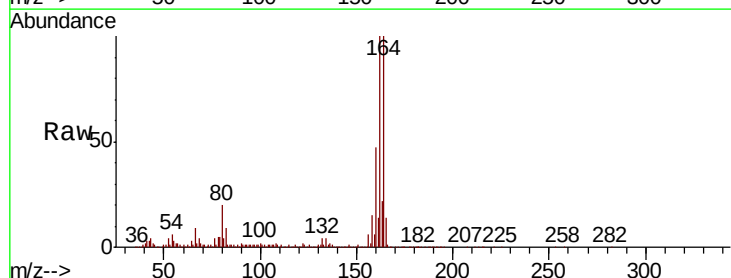
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LIGHT-GREEN-BRICK

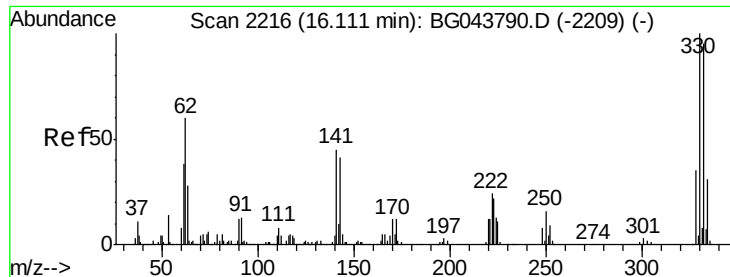
Tot Ion	Ratio	Lower	Upper
122	100		
105	110.0	107.5	147.5
77	95.6	71.7	111.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043813.D
Acq: 12 Dec 2019 2:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.9	122.9
160	46.5	38.3	57.5

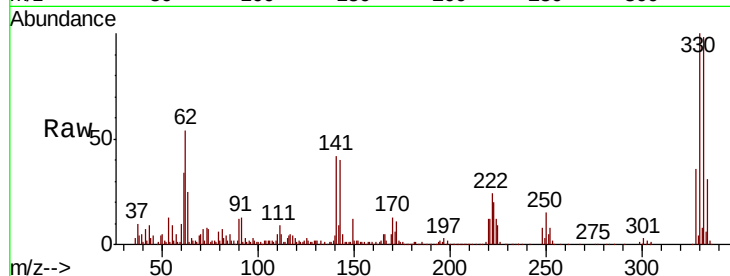




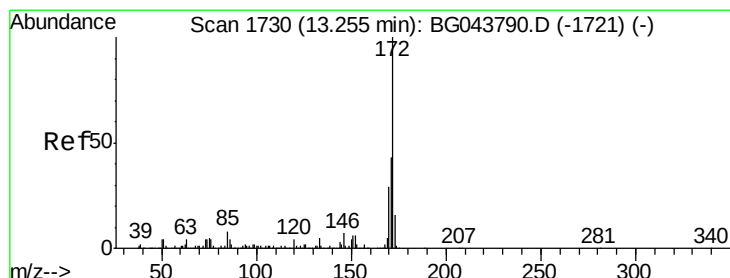
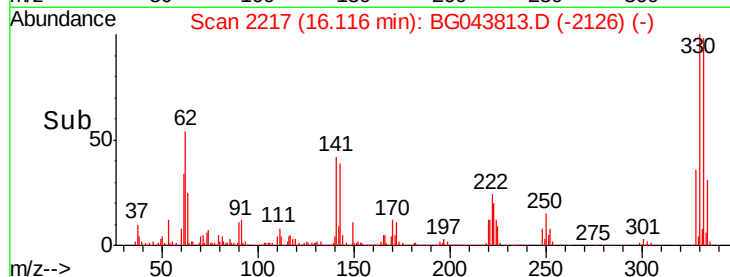
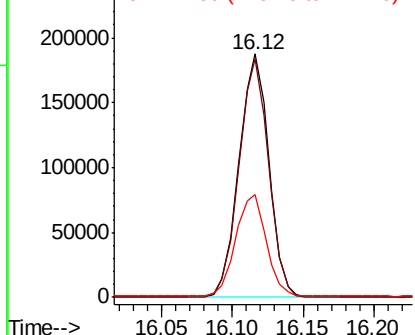
#42
 2,4,6-Tribromophenol
 Concen: 64.765 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. 0.01 min
 Lab File: BG043813.D
 Acq: 12 Dec 2019 2:37

Instrument :
 BNA_G
 ClientSampleId :
 LIGHT-GREEN-BRICK

Tot Ion:330 Resp: 278146
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.9 115.3
 141 42.5 33.8 50.8

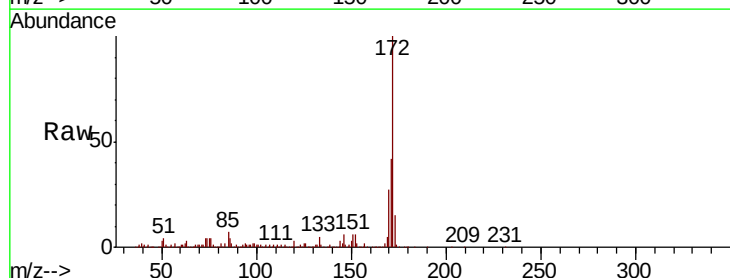


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

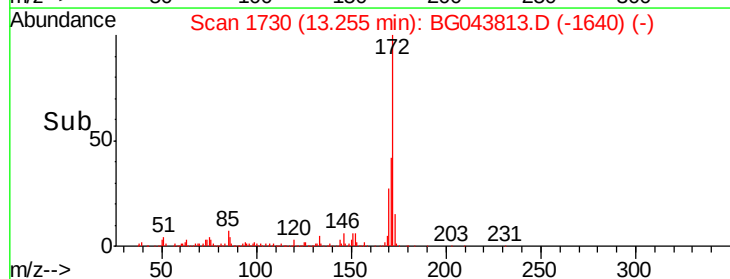
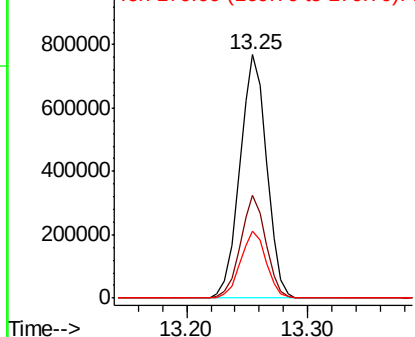


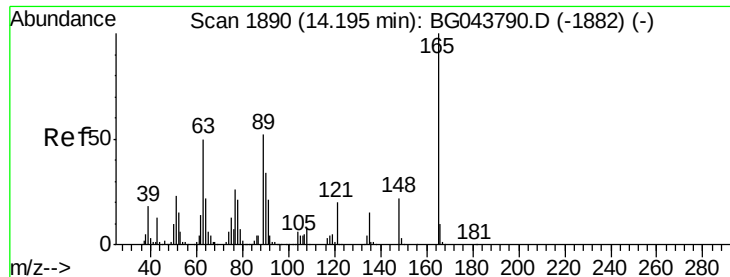
#45
 2-Fluorobiphenyl
 Concen: 46.274 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG043813.D
 Acq: 12 Dec 2019 2:37

Tgt Ion:172 Resp: 1186723
 Ion Ratio Lower Upper
 172 100
 171 42.0 34.6 51.8
 170 27.4 23.3 34.9



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





#51

2,6-Dinitrotoluene

Concen: 8.838 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.43 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

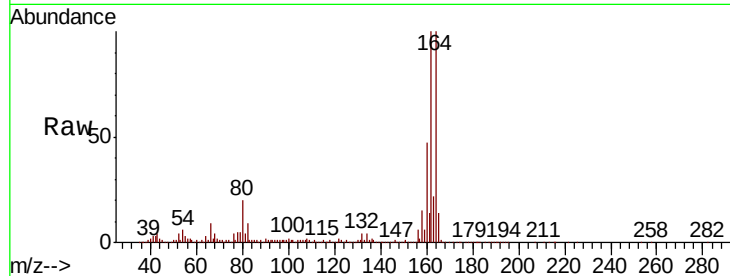
Tot Ion:165 Resp: 61242

Ion Ratio Lower Upper

165 100

63 2.1 40.3 60.5#

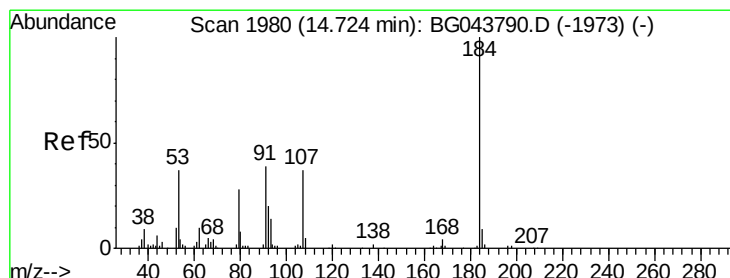
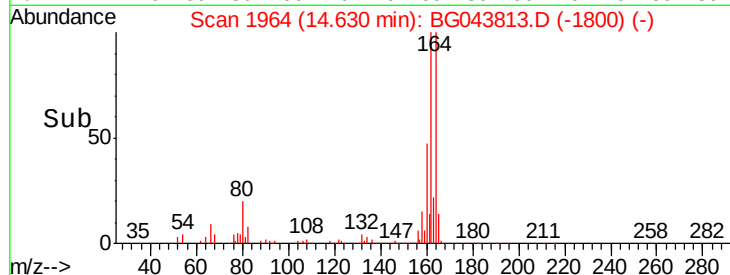
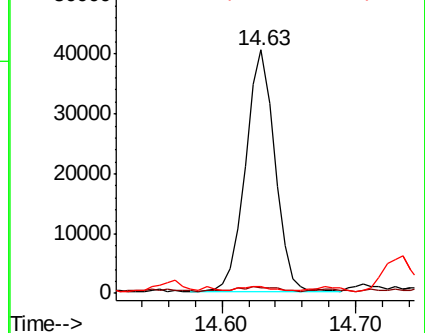
89 2.6 41.8 62.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#54

2,4-Dinitrophenol

Concen: 3.999 ng

RT: 14.72 min Scan# 1979

Delta R.T. -0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

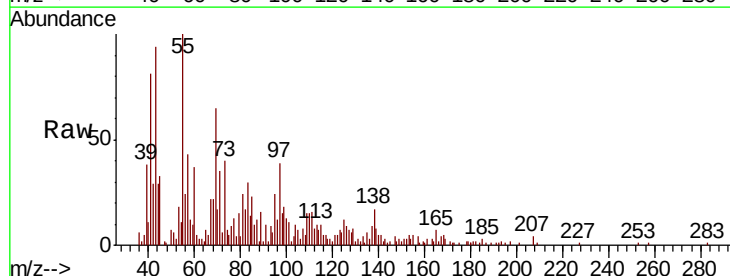
Tgt Ion:184 Resp: 115

Ion Ratio Lower Upper

184 100

63 334.9 43.4 65.0#

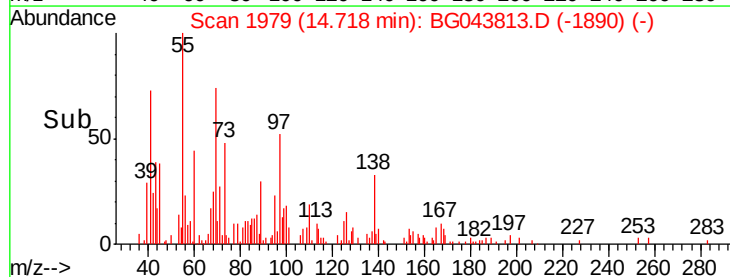
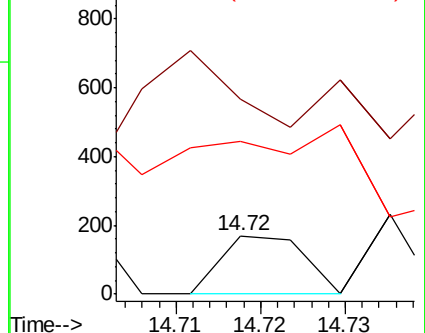
154 263.3 54.8 82.2#

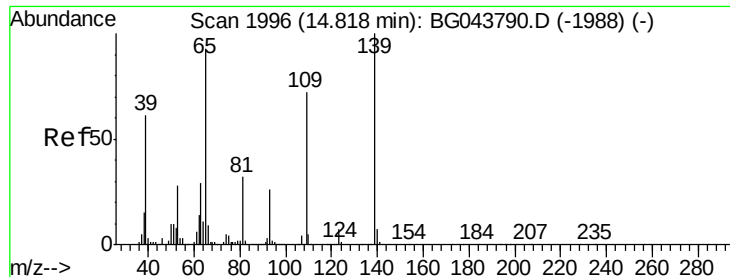


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 3.044 ng

RT: 14.84 min Scan# 2000

Delta R.T. 0.02 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

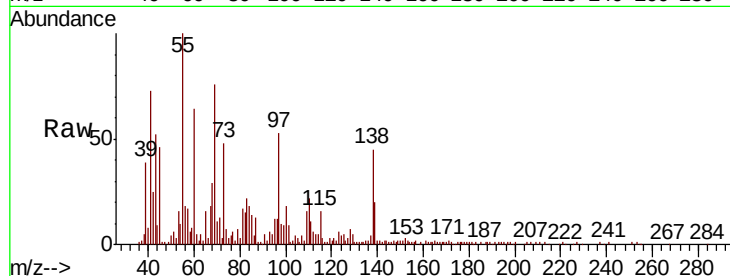
Tot Ion:139 Resp: 17611

Ion Ratio Lower Upper

139 100

109 79.3 51.5 91.5

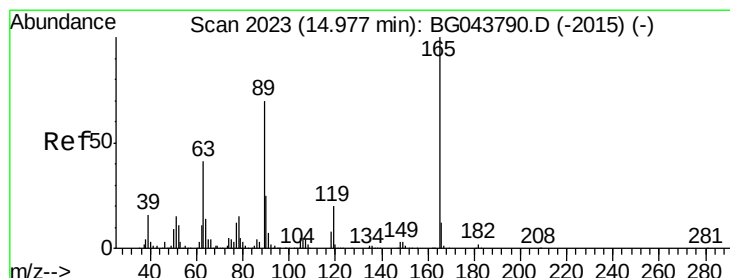
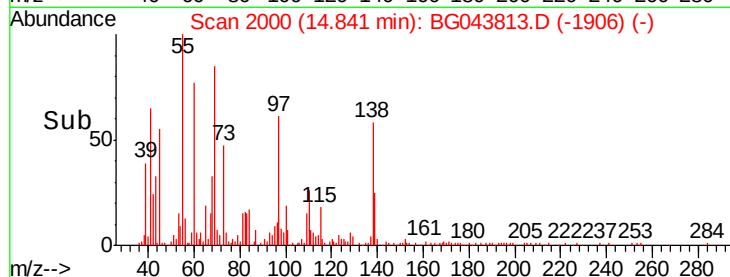
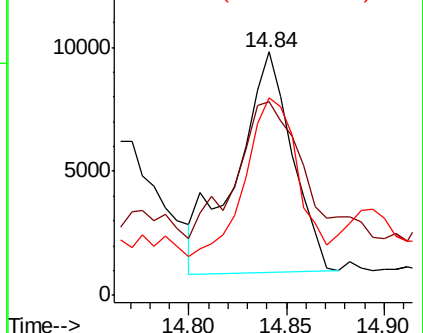
65 81.4 73.7 113.7



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC



#57

2,4-Dinitrotoluene

Concen: 6.683 ng

RT: 15.16 min Scan# 2055

Delta R.T. 0.19 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Tgt Ion:165 Resp: 62567

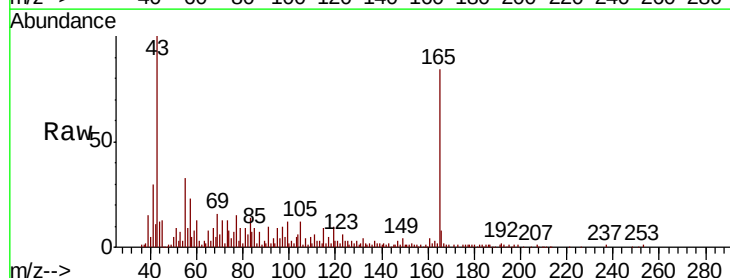
Ion Ratio Lower Upper

165 100

63 3.2 32.7 49.1#

89 3.1 56.1 84.1#

182 1.0 2.0 3.0#

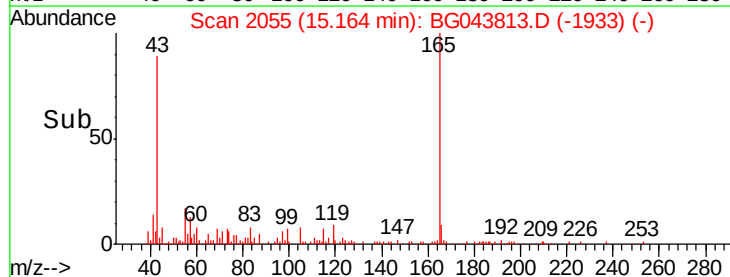
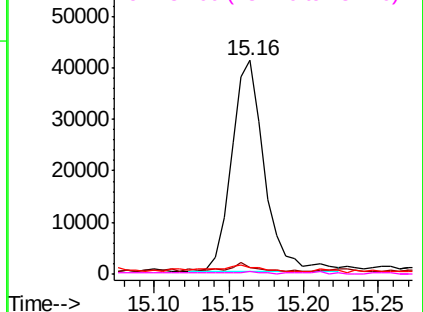


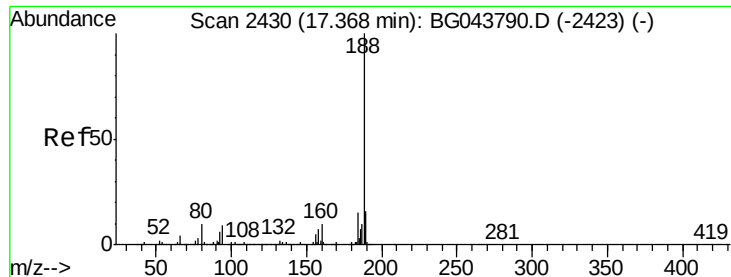
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

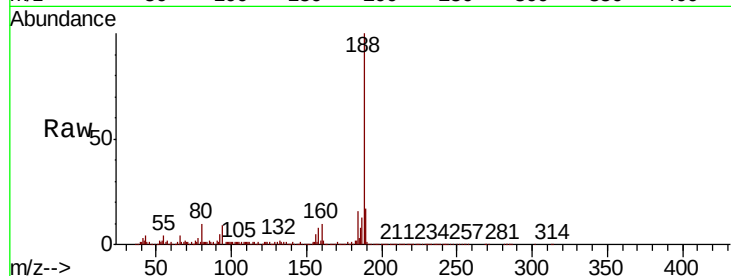
Tot Ion:188 Resp: 856670

Ion Ratio Lower Upper

188 100

94 9.2 6.9 10.3

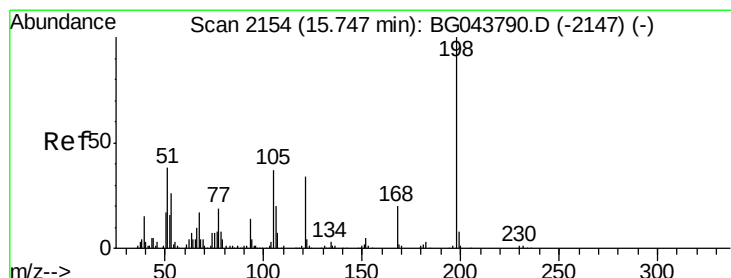
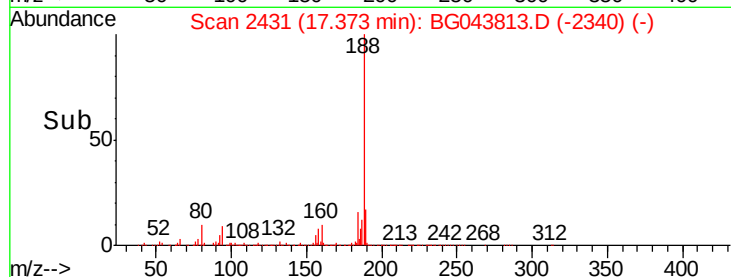
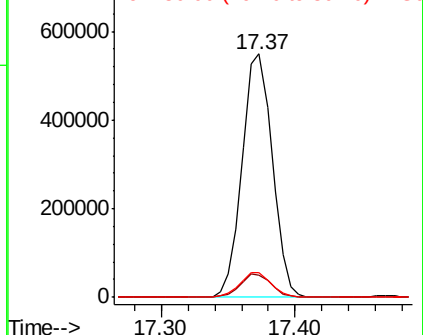
80 10.3 7.8 11.8



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: 9.596 ng

RT: 15.74 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

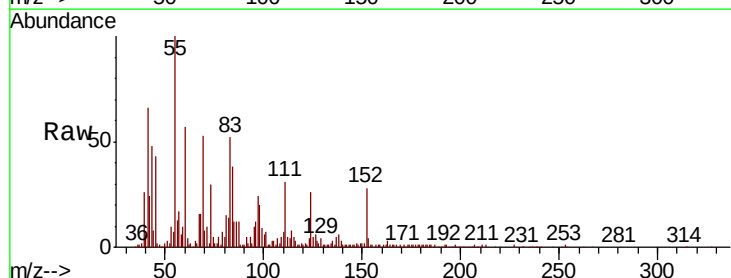
Tgt Ion:198 Resp: 394

Ion Ratio Lower Upper

198 100

51 955.9 18.9 58.9#

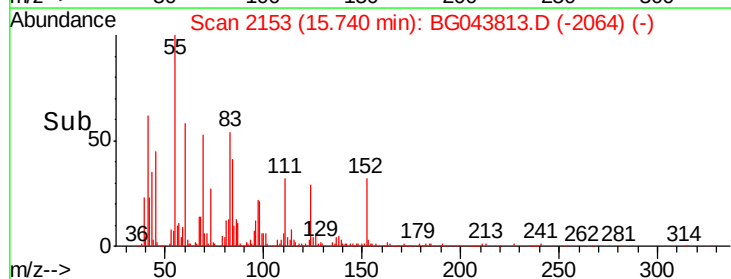
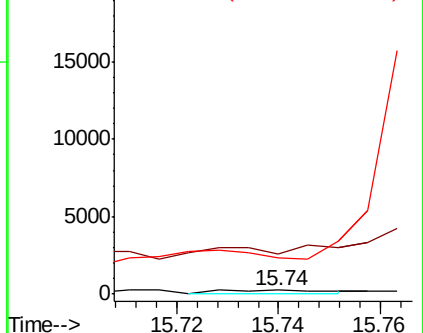
105 871.3 18.1 58.1#

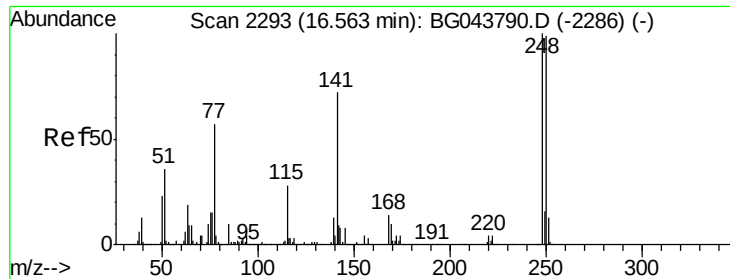


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

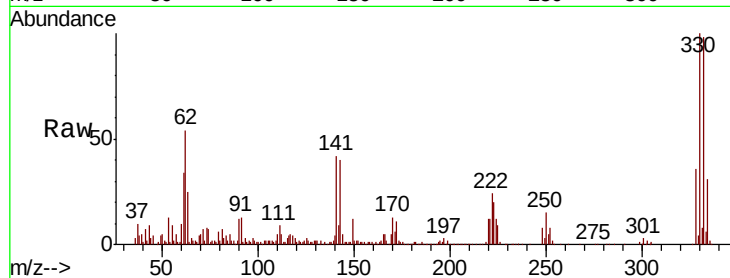




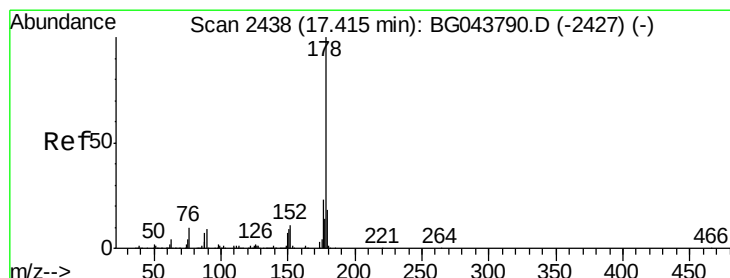
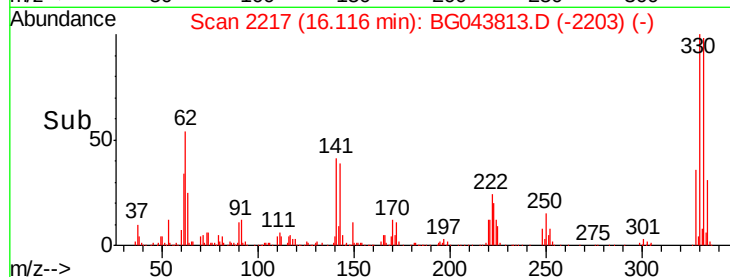
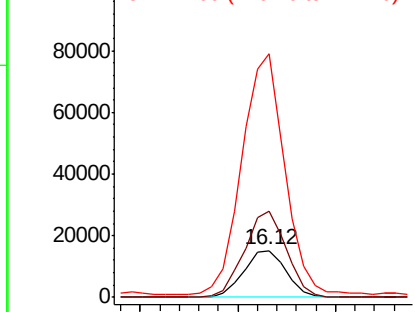
#67
 4-Bromophenyl-phenylether
 Concen: 2.497 ng
 RT: 16.12 min Scan# 2217
 Delta R.T. -0.45 min
 Lab File: BG043813.D
 Acq: 12 Dec 2019 2:37

Instrument :
 BNA_G
 ClientSampleId :
 LIGHT-GREEN-BRICK

Tot Ion:248 Resp: 22872
 Ion Ratio Lower Upper
 248 100
 250 183.8 79.0 118.6#
 141 522.5 57.8 86.6#

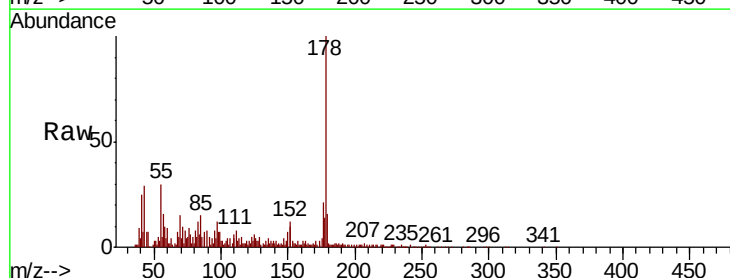


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

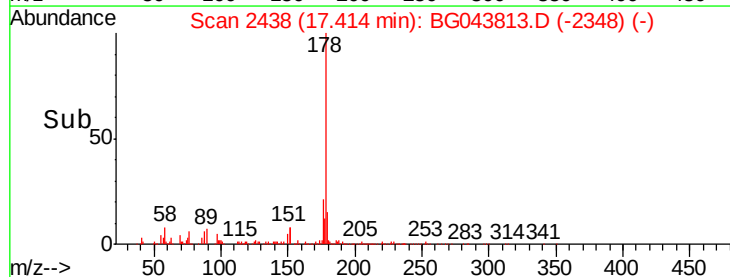
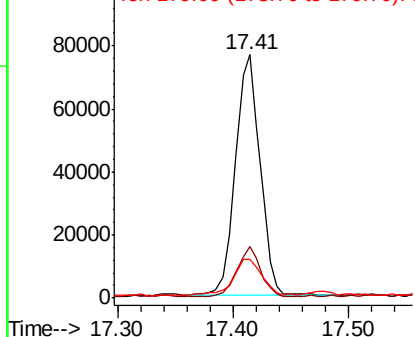


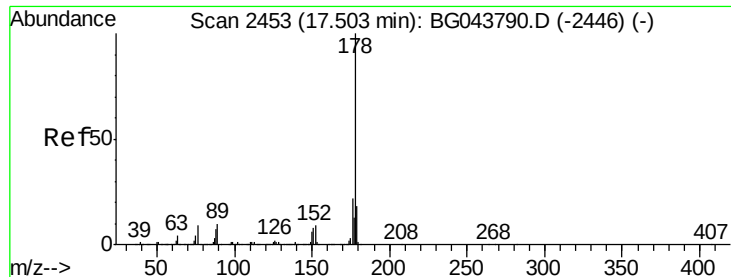
#71
 Phenanthrene
 Concen: 2.788 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BG043813.D
 Acq: 12 Dec 2019 2:37

Tgt Ion:178 Resp: 113083
 Ion Ratio Lower Upper
 178 100
 176 21.1 18.6 27.8
 179 15.9 14.7 22.1



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





#72

Anthracene

Concen: 2.817 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.09 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

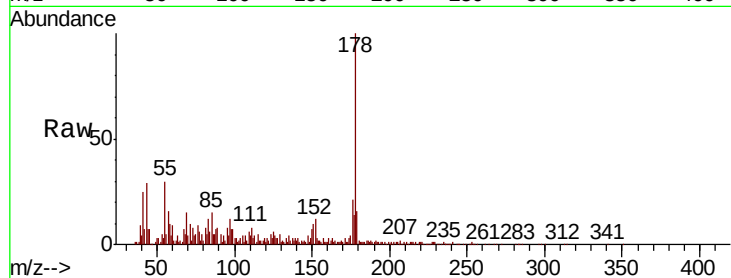
Tot Ion:178 Resp: 113083

Ion Ratio Lower Upper

178 100

176 21.1 17.7 26.5

179 15.9 14.5 21.7

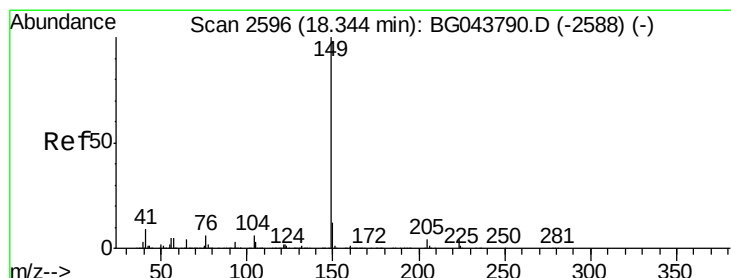
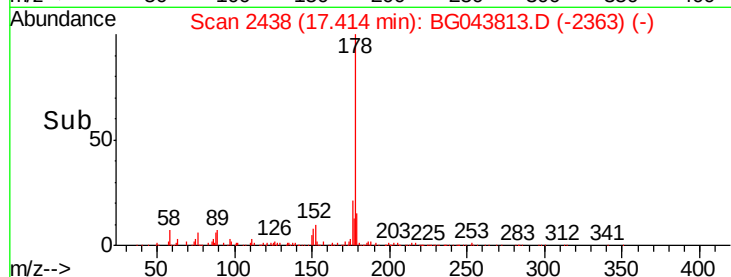
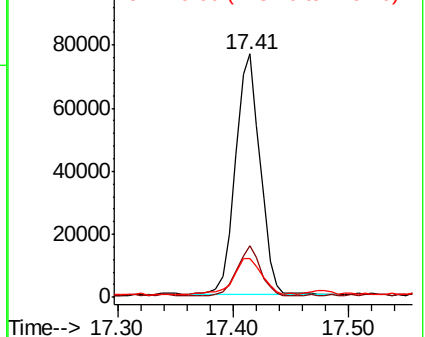


Abundance

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: 2.481 ng

RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

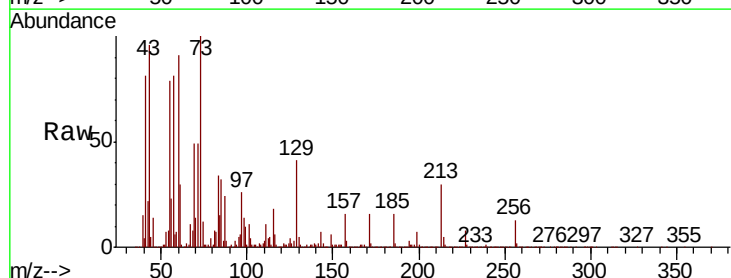
Tgt Ion:149 Resp: 106724

Ion Ratio Lower Upper

149 100

150 13.5 9.4 14.0

104 10.7 4.8 7.2#

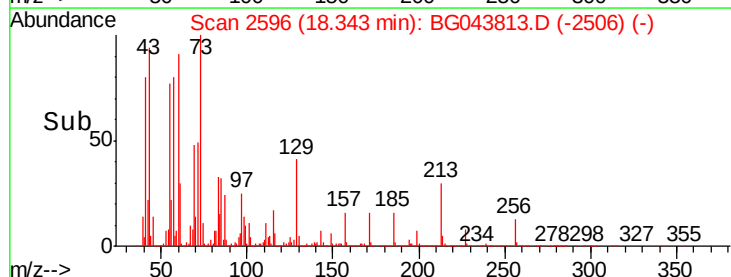
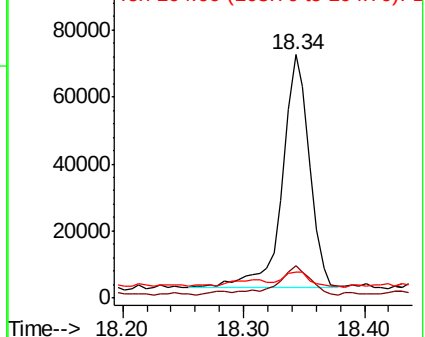


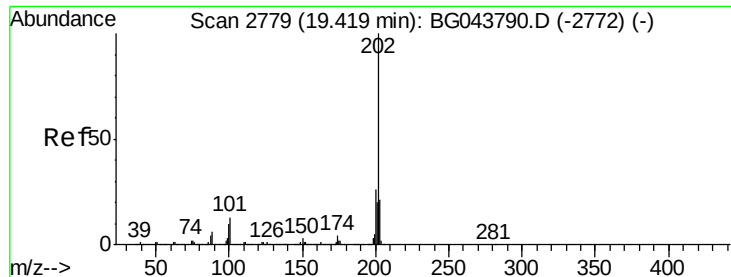
Abundance

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





#75

Fluoranthene

Concen: 2.686 ng

RT: 19.42 min Scan# 2779

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

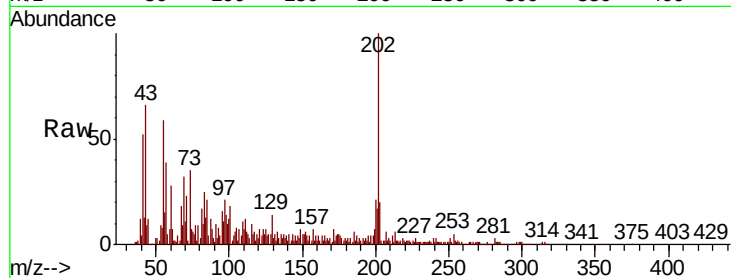
Tot Ion:202 Resp: 124664

Ion Ratio Lower Upper

202 100

101 17.9 0.0 32.7

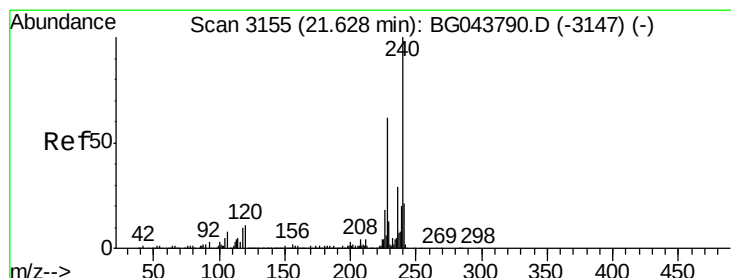
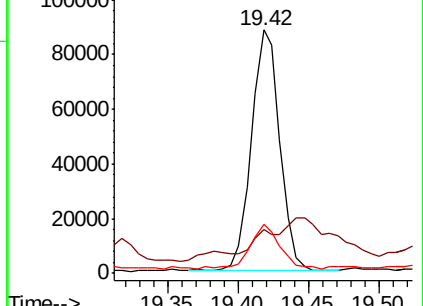
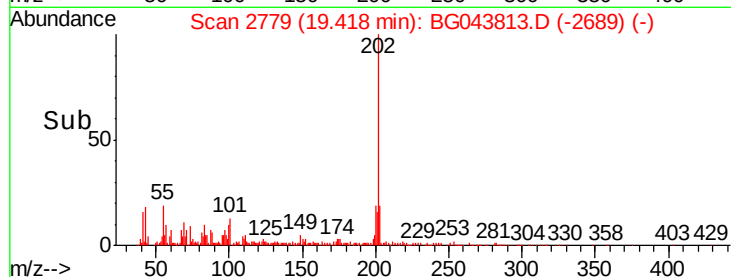
203 20.4 1.0 41.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.63 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

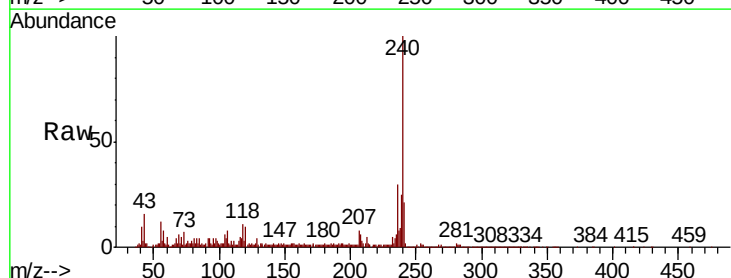
Tgt Ion:240 Resp: 705130

Ion Ratio Lower Upper

240 100

120 10.5 8.6 12.8

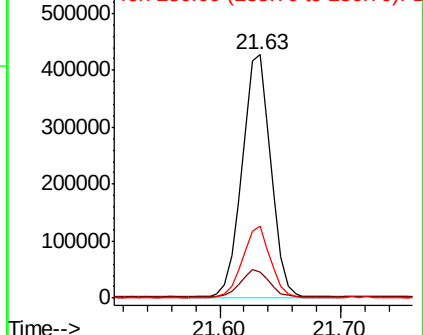
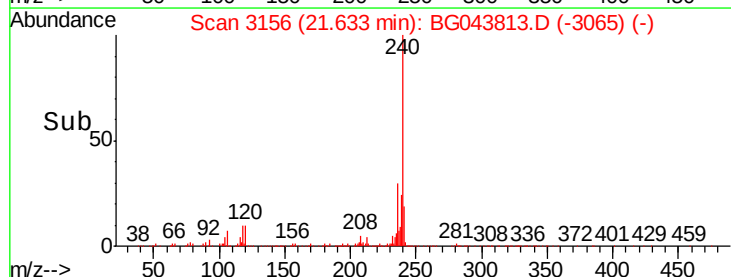
236 29.8 23.1 34.7

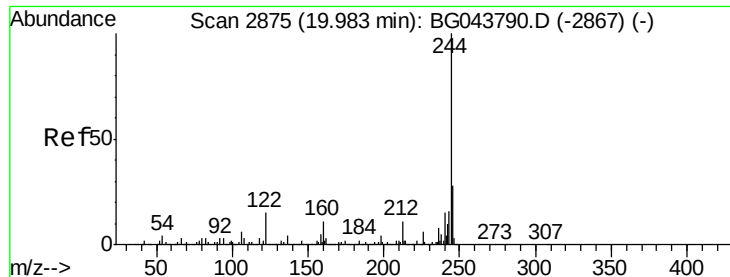


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 49.288 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

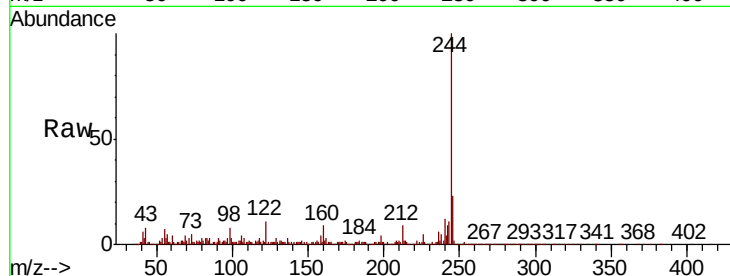
Tot Ion:244 Resp: 1444637

Ion Ratio Lower Upper

244 100

212 9.5 9.1 13.7

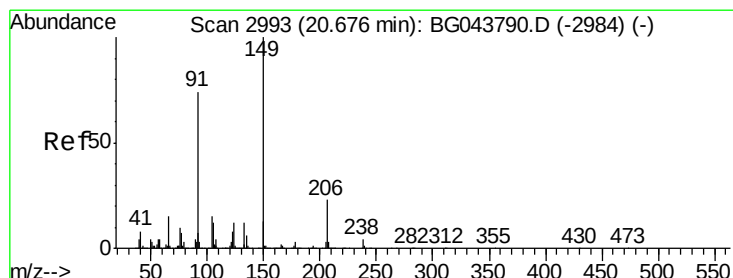
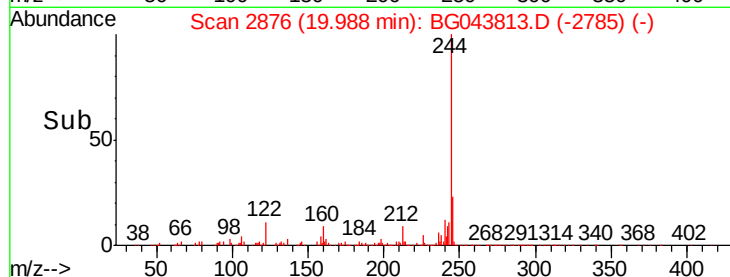
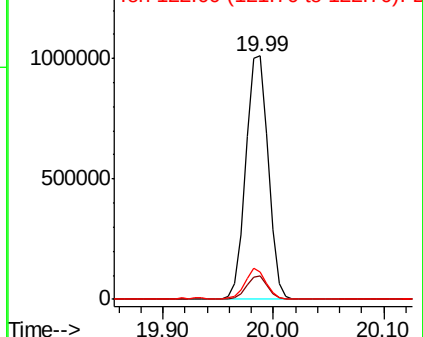
122 11.3 11.6 17.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 4.518 ng

RT: 20.67 min Scan# 2992

Delta R.T. -0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

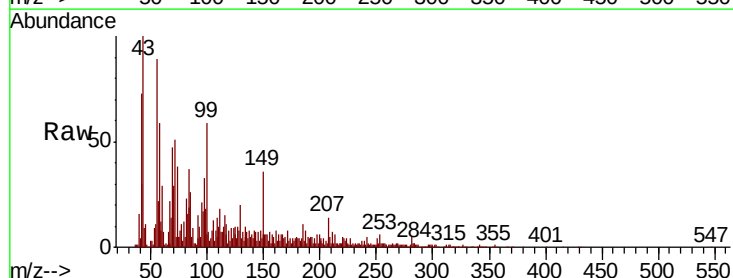
Tgt Ion:149 Resp: 86714

Ion Ratio Lower Upper

149 100

91 42.7 59.0 88.4#

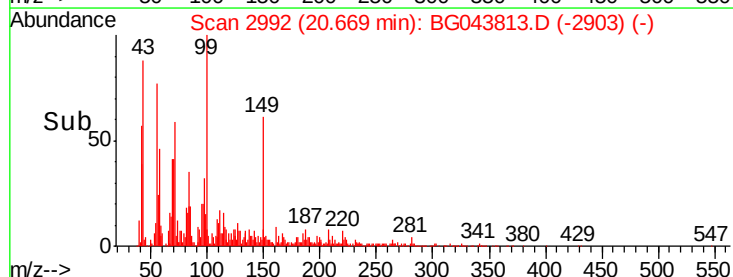
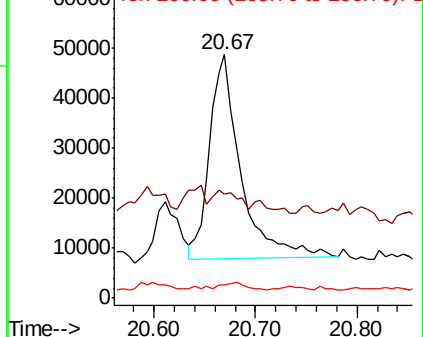
206 5.6 18.6 28.0#

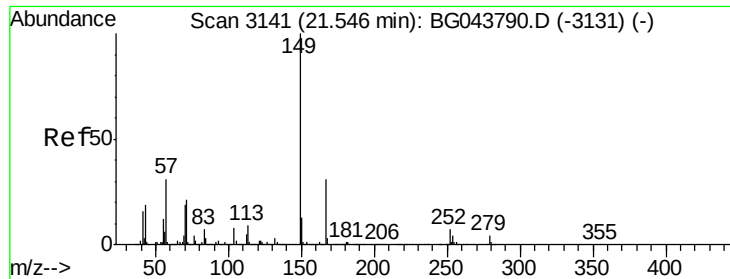


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.898 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

Instrument :

BNA_G

ClientSampleId :

LIGHT-GREEN-BRICK

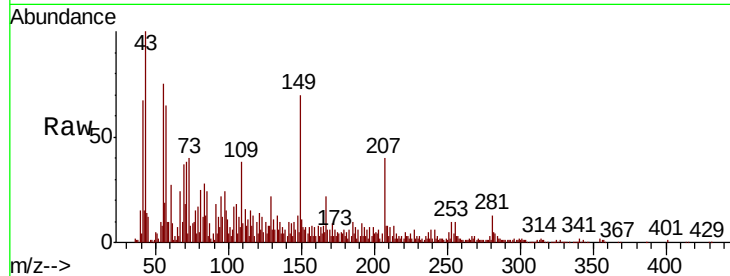
Tot Ion:149 Resp: 79789

Ion Ratio Lower Upper

149 100

167 31.3 25.1 37.7

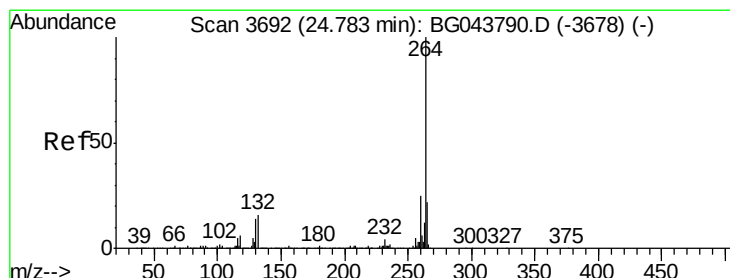
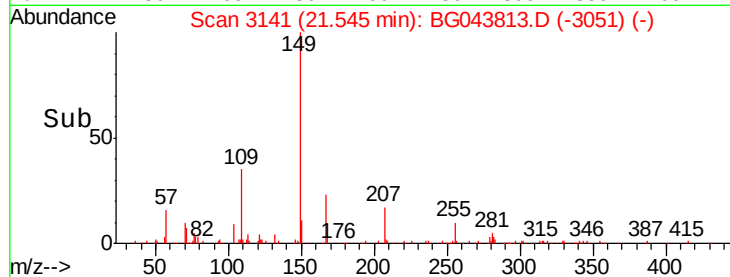
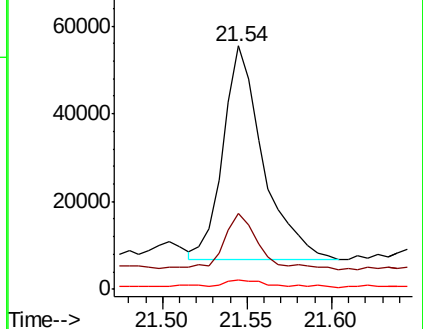
279 3.9 3.5 5.3



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.79 min Scan# 3693

Delta R.T. 0.01 min

Lab File: BG043813.D

Acq: 12 Dec 2019 2:37

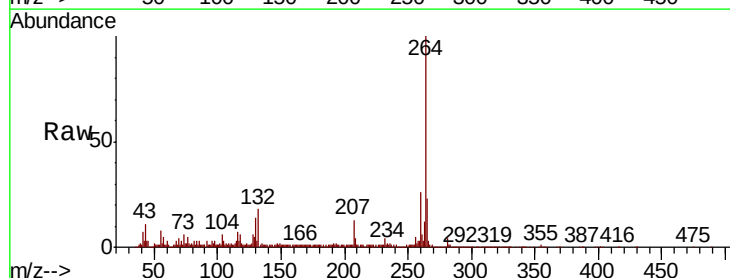
Tgt Ion:264 Resp: 801149

Ion Ratio Lower Upper

264 100

260 25.9 19.8 29.8

265 23.0 17.9 26.9



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

