

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
 Data File : BG041665.D
 Acq On : 16 Jul 2019 13:08
 Operator : HP/JU
 Sample : K3775-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jul 17 01:37:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

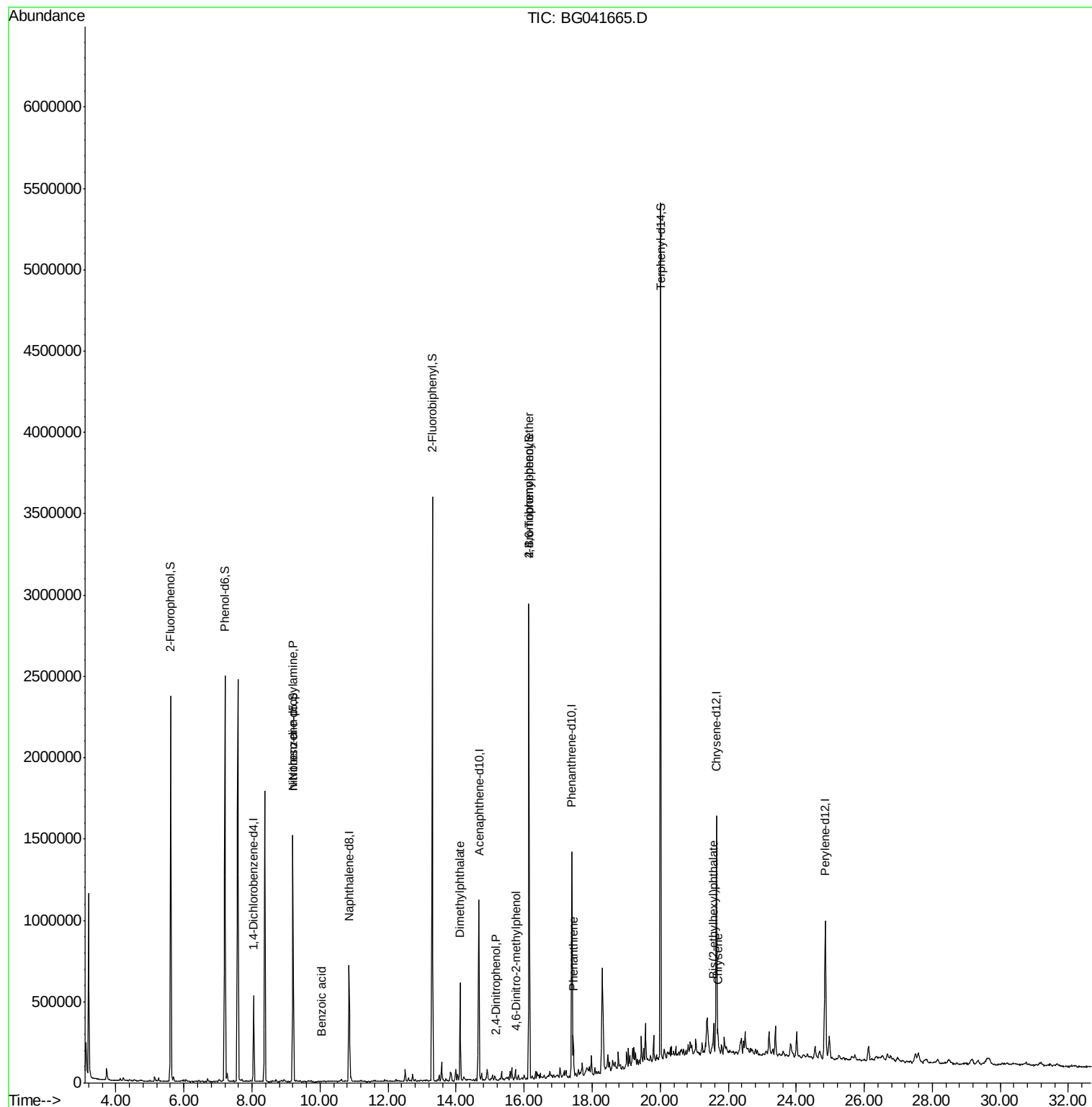
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	149738	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	634474	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	392578	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	867497	20.00	ng	0.00
76) Chrysene-d12	21.65	240	813273	20.00	ng	0.00
87) Perylene-d12	24.86	264	920814	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	997252	108.87	ng	0.00
7) Phenol-d6	7.21	99	1426627	115.80	ng	0.00
23) Nitrobenzene-d5	9.20	82	889734	85.28	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	529790	119.75	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1813604	71.54	ng	0.00
79) Terphenyl-d14	20.01	244	2251310	64.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.20	70	126013	13.994	ng	# 75
32) Benzoic acid	10.04	122	420	6.065	ng	# 93
50) Dimethylphthalate	14.12	163	396285	12.853	ng	# 98
54) 2,4-Dinitrophenol	15.17	184	69	7.748	ng	# 15
65) 4,6-Dinitro-2-methylphenol	15.76	198	84	6.691	ng	# 1
67) 4-Bromophenyl-phenylether	16.15	248	42374	4.105	ng	# 1
71) Phenanthrene	17.44	178	167575	3.836	ng	# 89
77) Benzidine	19.70	184	4232	Below Cal		# 40
83) Chrysene	21.70	228	126272	2.515	ng	# 92
84) Bis(2-ethylhexyl)phthalate	21.57	149	68873	2.134	ng	# 89

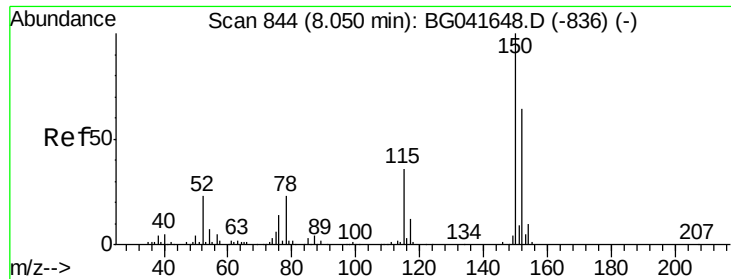
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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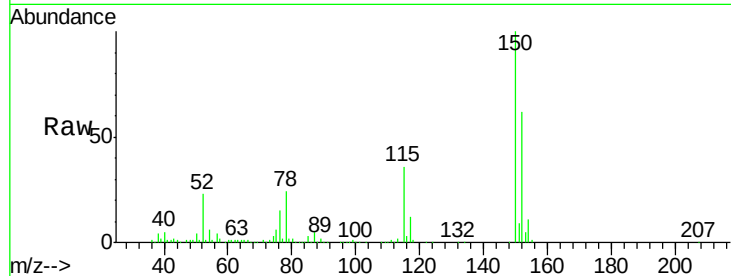


#1

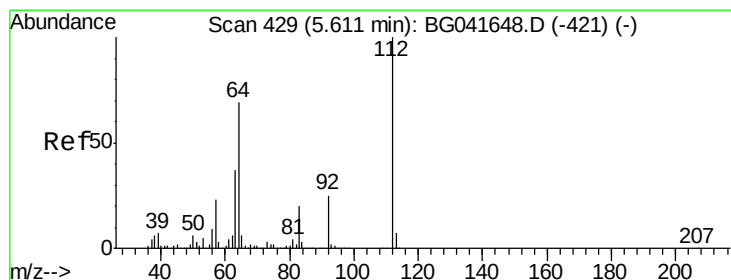
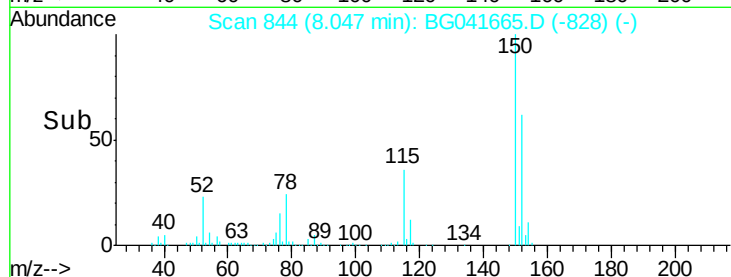
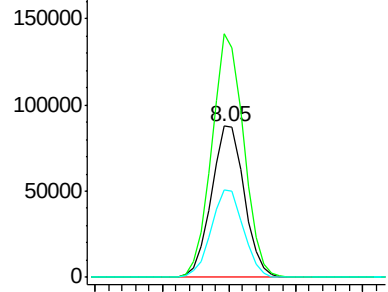
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG041665.D
Acq: 16 Jul 2019 13:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	126.9	190.3
115	57.6	45.0	67.6



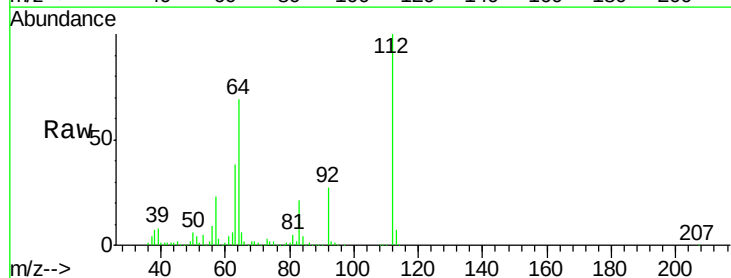
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



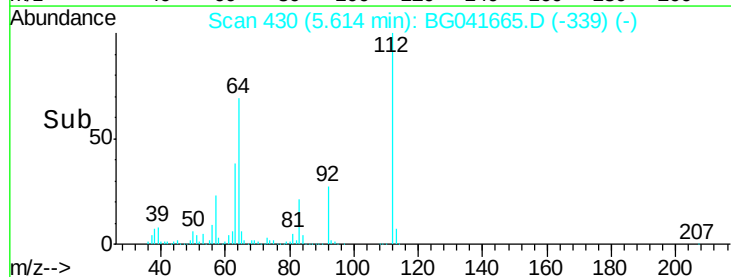
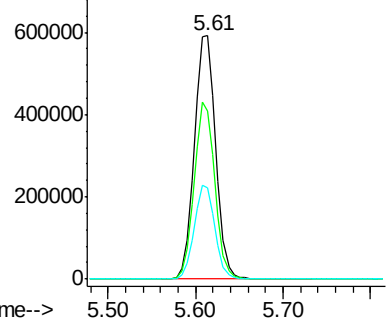
#5

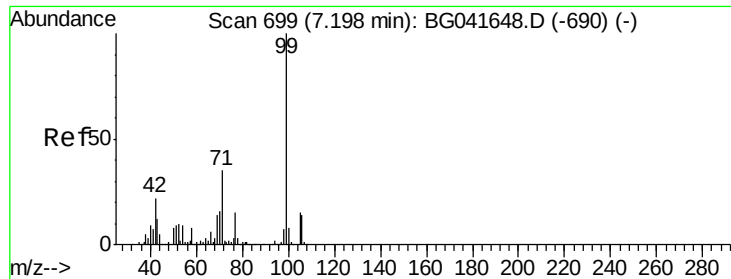
2-Fluorophenol
Concen: 108.874 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041665.D
Acq: 16 Jul 2019 13:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	55.4	83.2
63	37.7	29.1	43.7



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





#7

Phenol-d6

Concen: 115.796 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

Instrument :

BNA_G

ClientSampled :

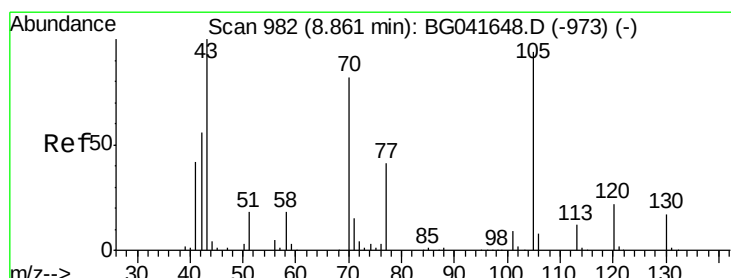
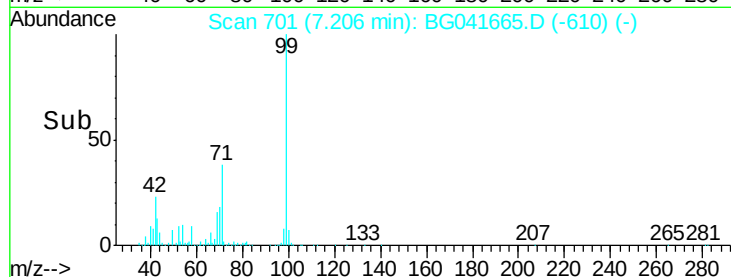
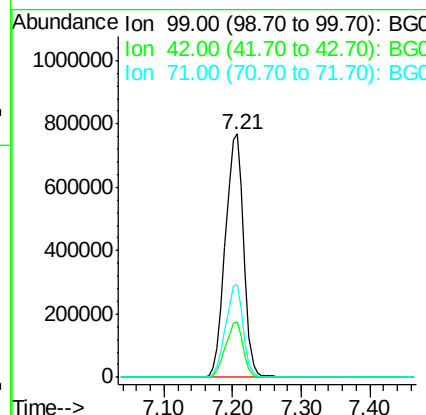
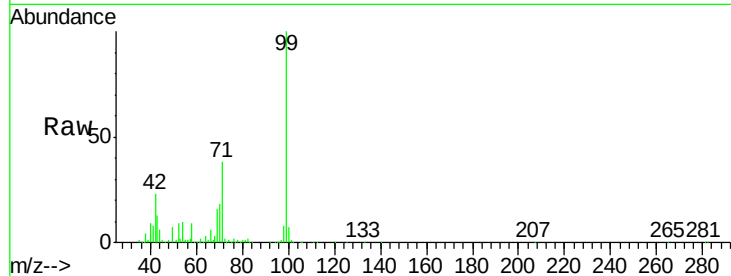
Tot Ion: 99 Resp: 1426627

Ion Ratio Lower Upper

99 100

42 22.8 17.6 26.4

71 38.1 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.994 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.34 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

Tgt Ion: 70 Resp: 126013

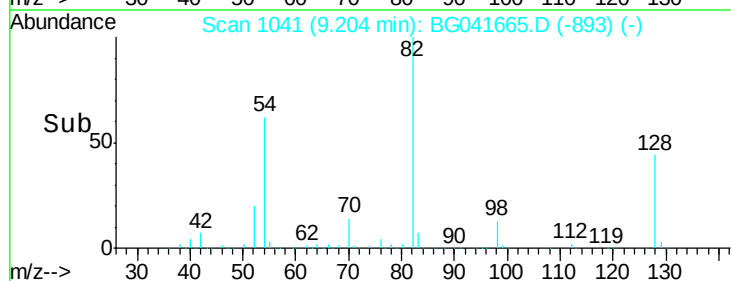
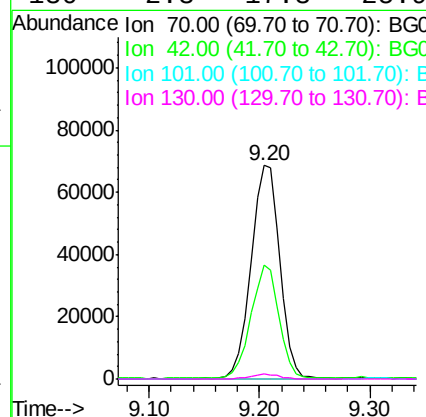
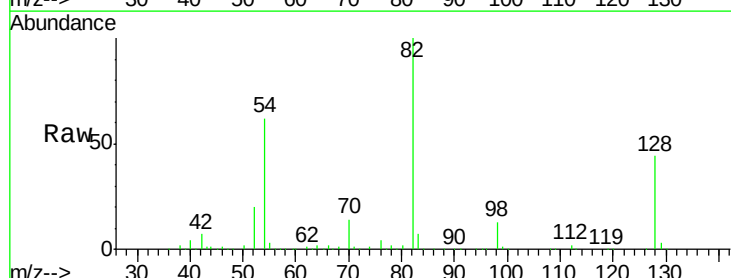
Ion Ratio Lower Upper

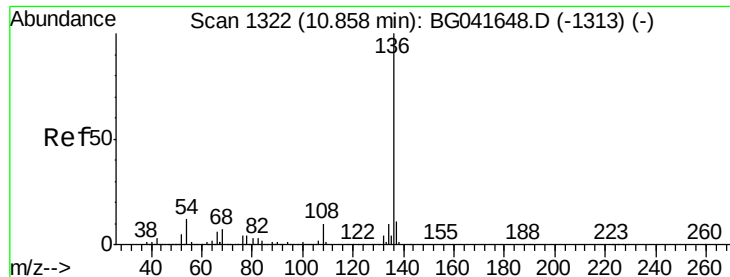
70 100

42 53.5 55.8 83.6#

101 0.0 8.1 12.1#

130 2.3 17.3 25.9#

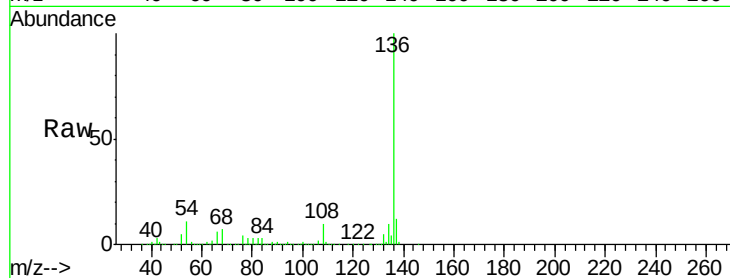




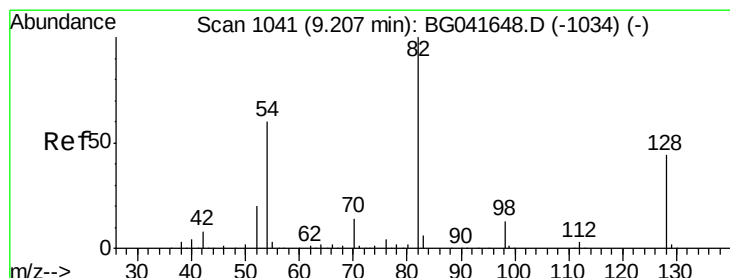
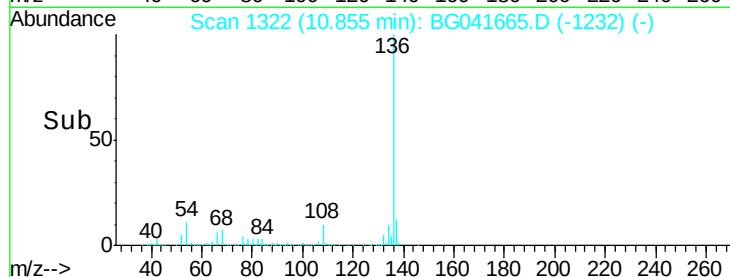
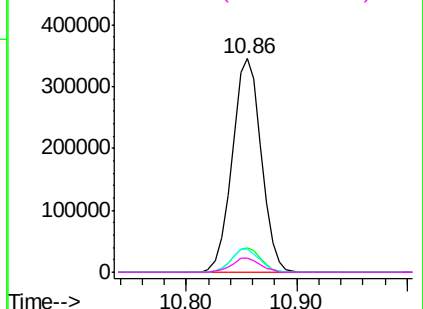
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG041665.D
Acq: 16 Jul 2019 13:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 634474
Ion Ratio	Lower Upper
136 100	
137 11.6	9.2 13.8
54 11.0	8.7 13.1
68 6.6	5.5 8.3

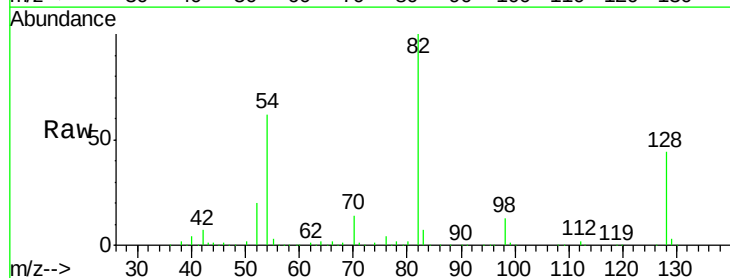


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

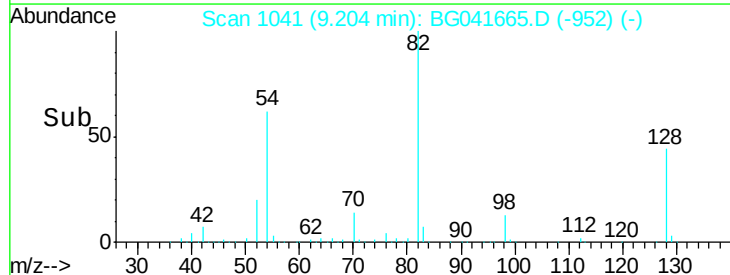
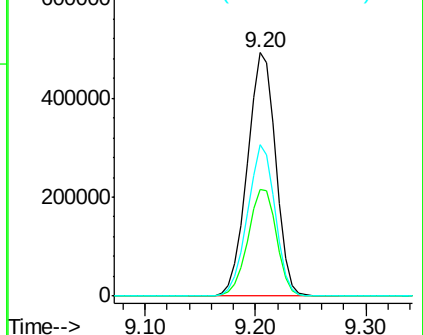


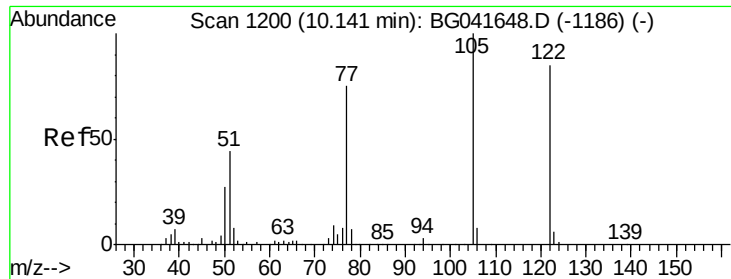
#23
Nitrobenzene-d5
Concen: 85.282 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041665.D
Acq: 16 Jul 2019 13:08

Tgt	Ion: 82	Resp:	889734
Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.1	52.7
54	62.2	48.7	73.1



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





#32

Benzoic acid

Concen: 6.065 ng

RT: 10.04 min Scan# 1184

Delta R.T. -0.12 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

Instrument :

BNA_G

ClientSampleId :

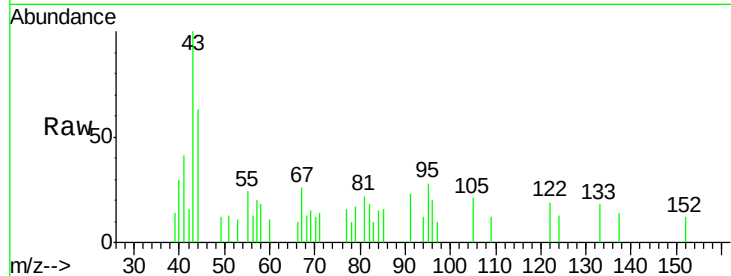
Tot Ion:122 Resp: 420

Ion Ratio Lower Upper

122 100

105 113.8 101.5 141.5

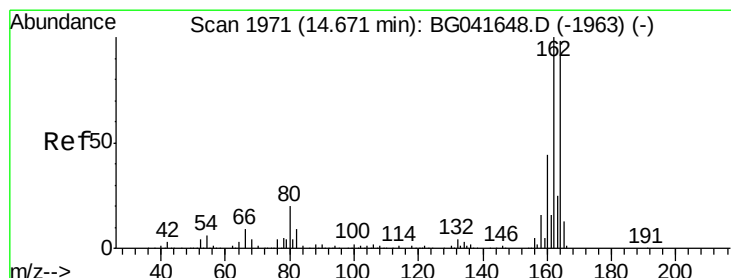
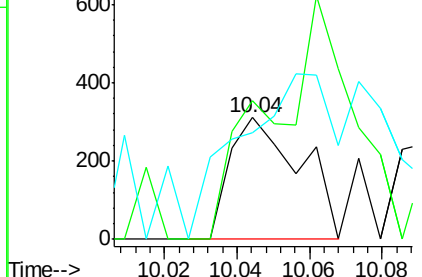
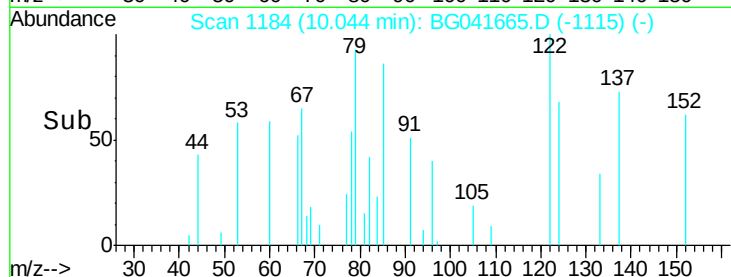
77 87.1 73.0 113.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

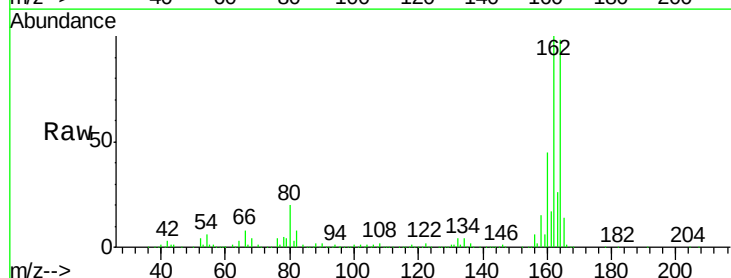
Tgt Ion:164 Resp: 392578

Ion Ratio Lower Upper

164 100

162 101.9 79.6 119.4

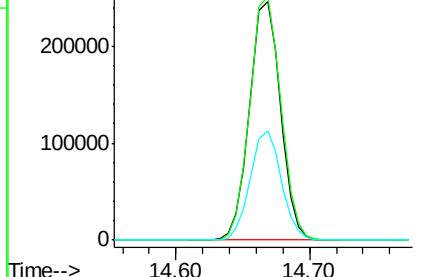
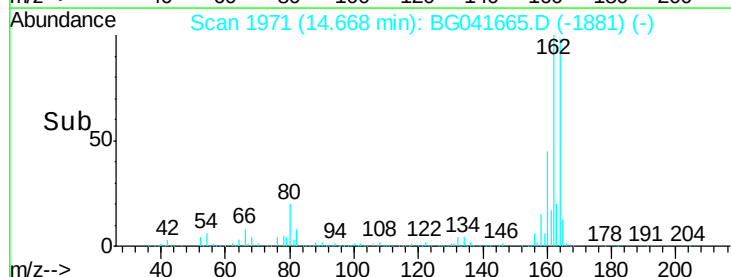
160 45.8 35.4 53.0

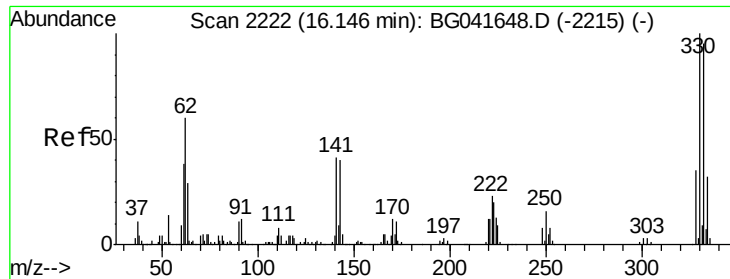


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

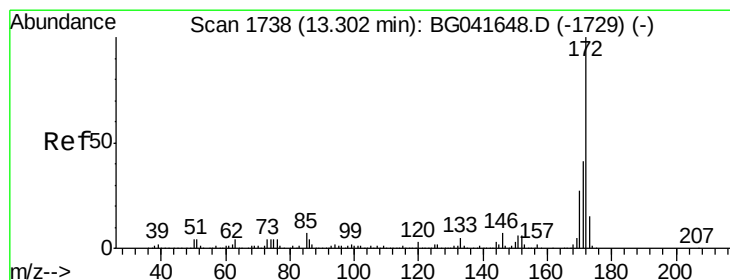
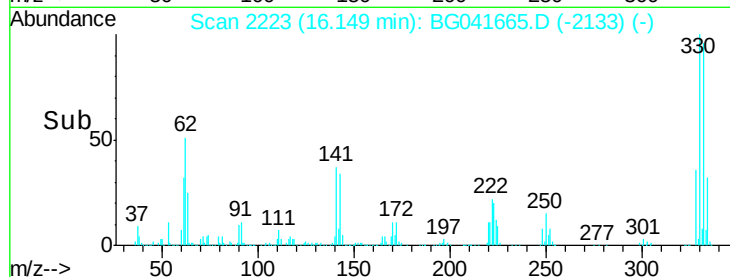
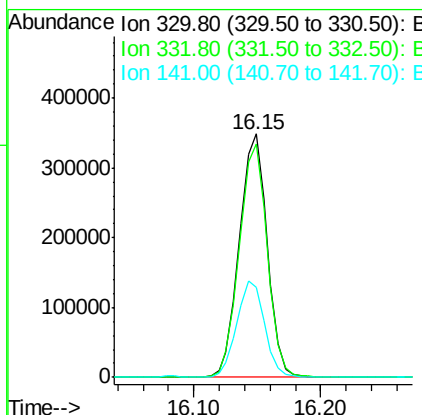
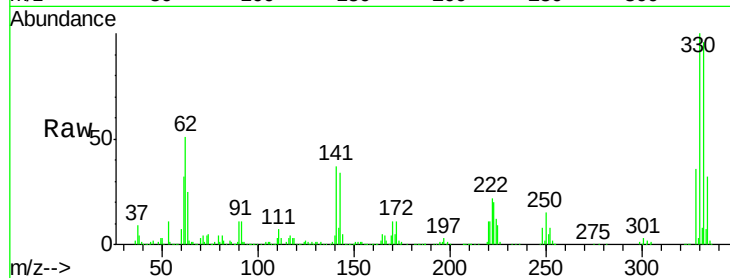




#42
 2,4,6-Tribromophenol
 Concen: 119.746 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BG041665.D
 Acq: 16 Jul 2019 13:08

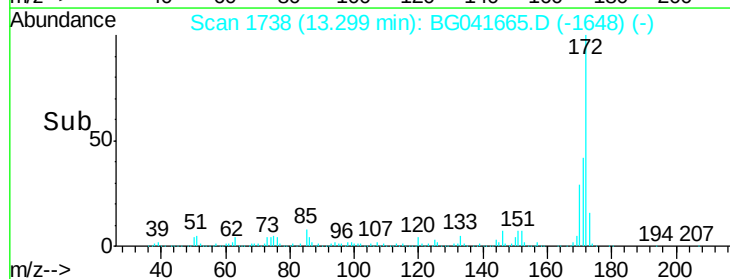
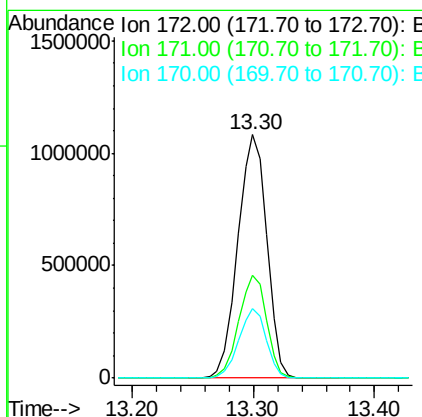
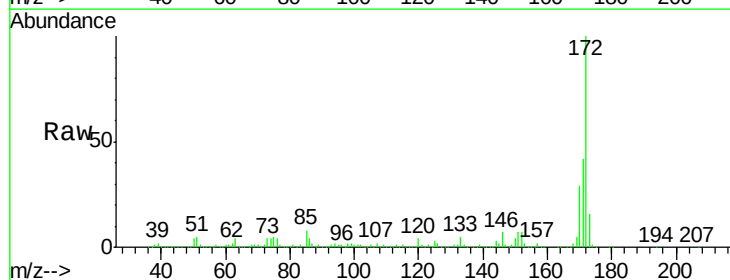
Instrument :
 BNA_G
 ClientSampleId :

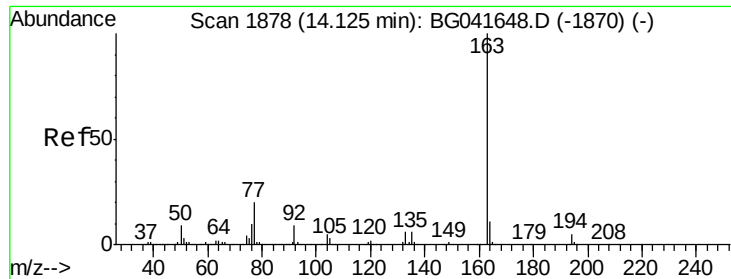
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	39.1	31.9	47.9



#45
 2-Fluorobiphenyl
 Concen: 71.536 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG041665.D
 Acq: 16 Jul 2019 13:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	42.3	35.0	52.4
170	28.7	23.5	35.3





#50

Dimethylphthalate

Concen: 12.853 ng

RT: 14.12 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

Instrument :

BNA_G

ClientSampleId :

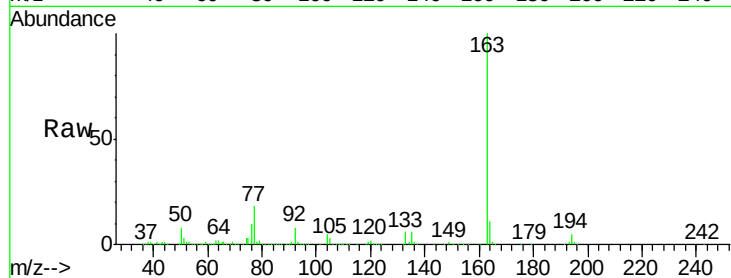
Tot Ion:163 Resp: 396285

Ion Ratio Lower Upper

163 100

194 4.9 4.2 6.2

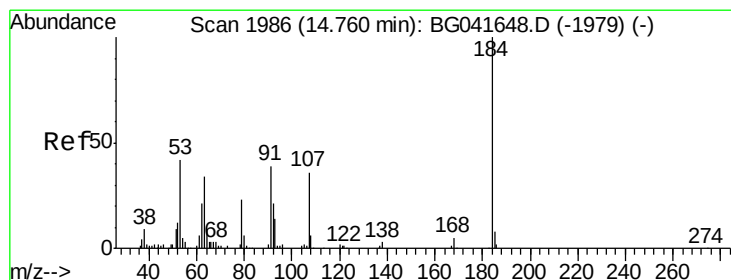
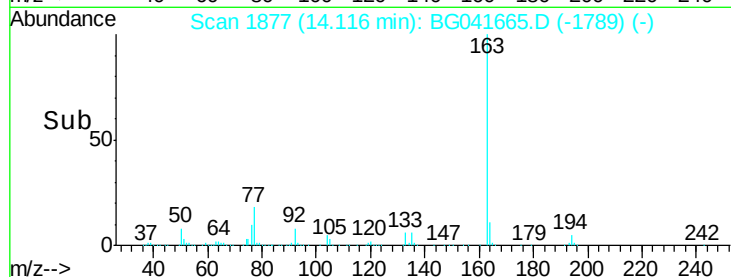
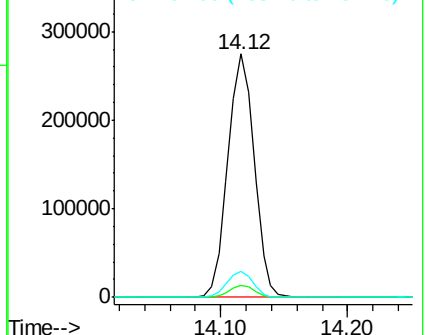
164 10.6 9.4 14.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 7.748 ng

RT: 15.17 min Scan# 2057

Delta R.T. 0.41 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

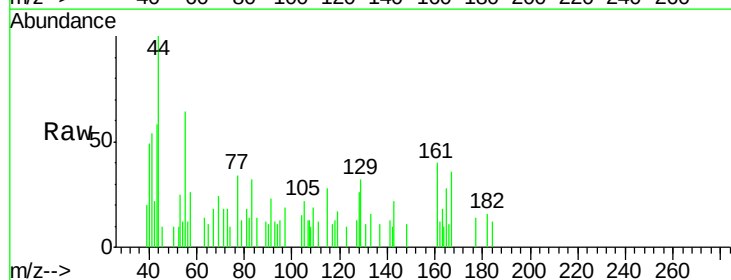
Tgt Ion:184 Resp: 69

Ion Ratio Lower Upper

184 100

63 117.3 43.2 64.8#

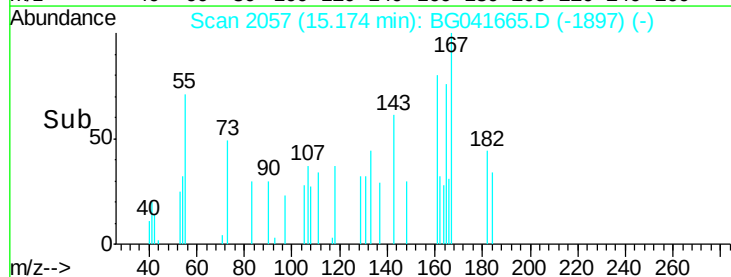
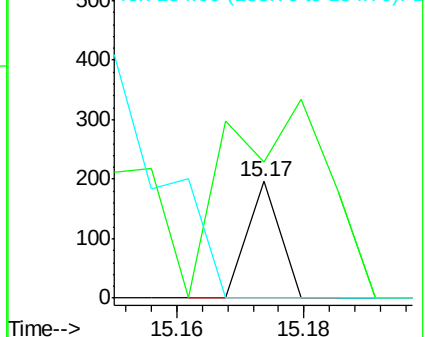
154 0.0 51.4 77.2#

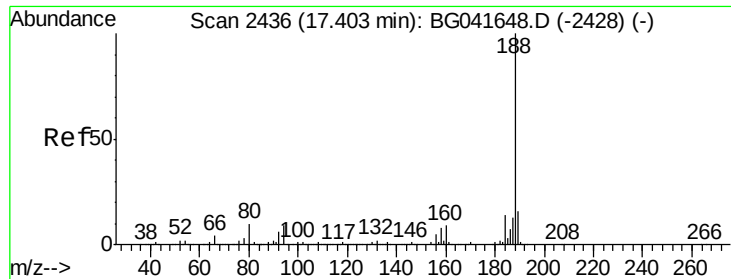


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2436

Delta R.T. -0.01 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

Instrument :

BNA_G

ClientSampleId :

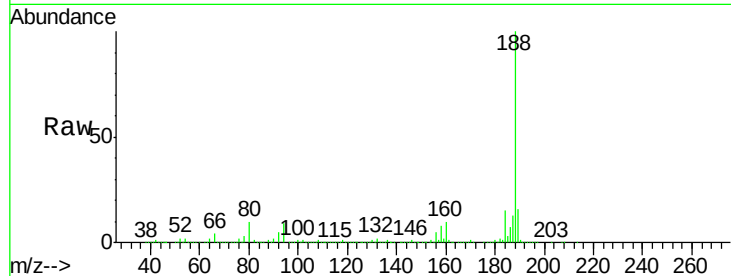
Tot Ion:188 Resp: 867497

Ion Ratio Lower Upper

188 100

94 9.0 6.9 10.3

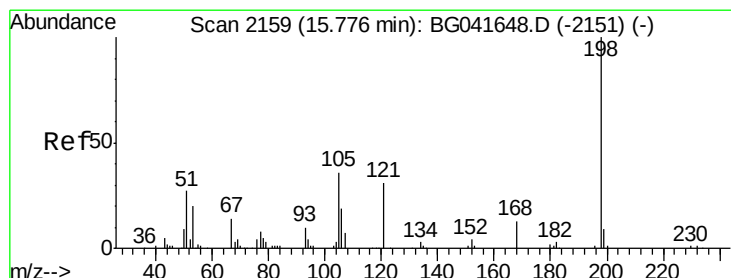
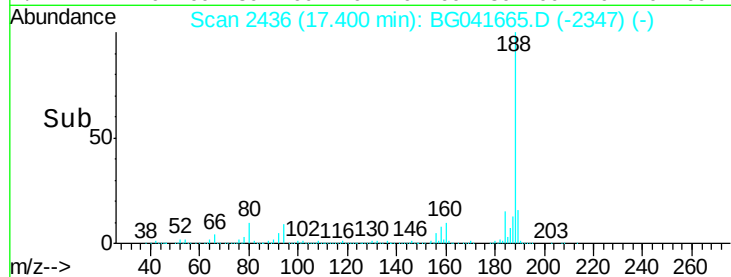
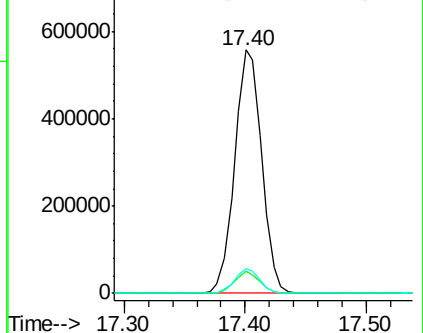
80 10.0 8.0 12.0



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: 6.691 ng

RT: 15.76 min Scan# 2157

Delta R.T. -0.02 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

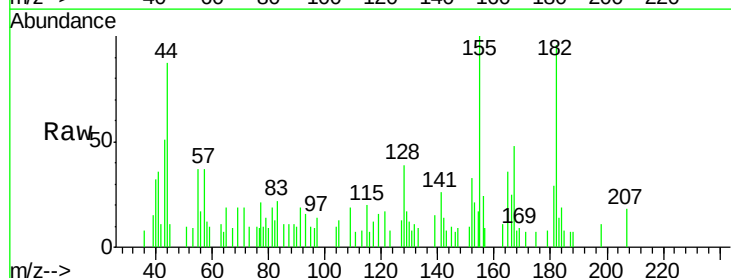
Tgt Ion:198 Resp: 84

Ion Ratio Lower Upper

198 100

51 92.8 22.3 62.3#

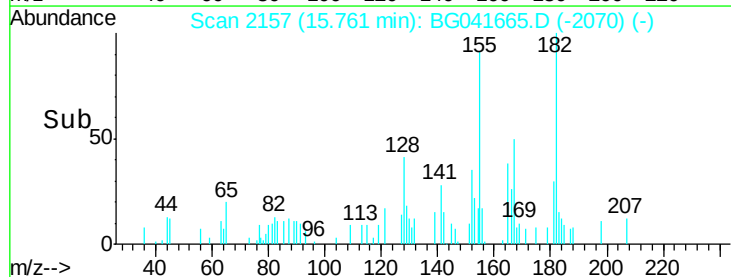
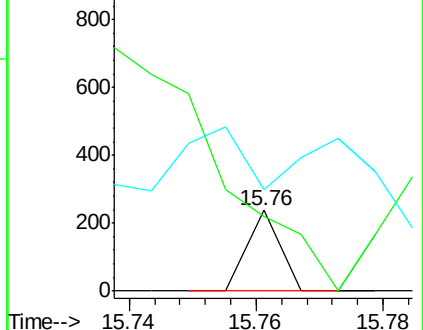
105 125.7 18.0 58.0#

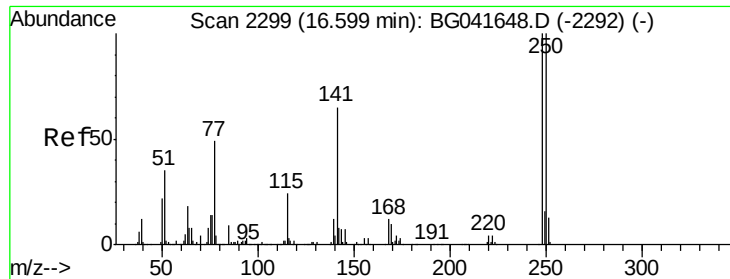


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

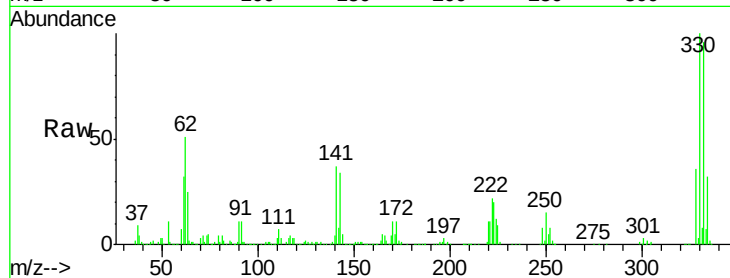




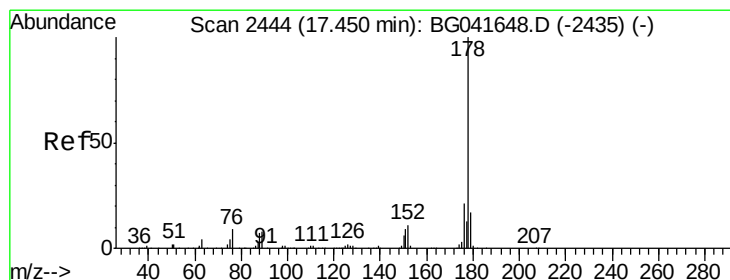
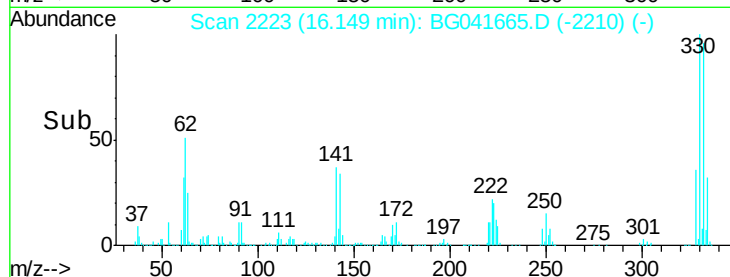
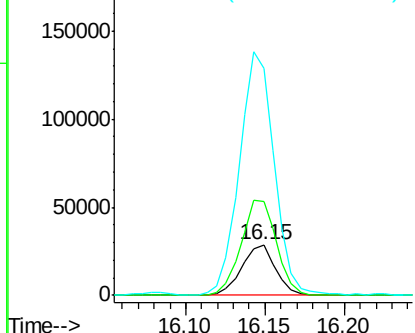
#67
 4-Bromophenyl-phenylether
 Concen: 4.105 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.45 min
 Lab File: BG041665.D
 Acq: 16 Jul 2019 13:08

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 42374
 Ion Ratio Lower Upper
 248 100
 250 187.1 78.1 117.1#
 141 450.4 49.6 74.4#

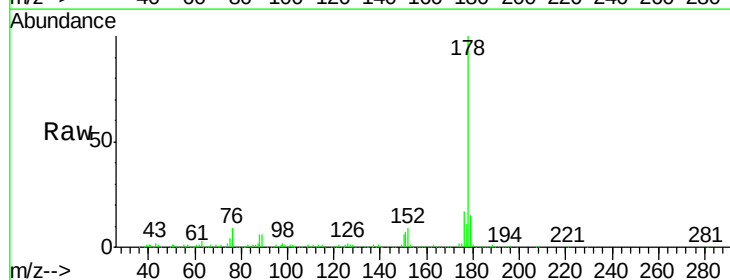


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

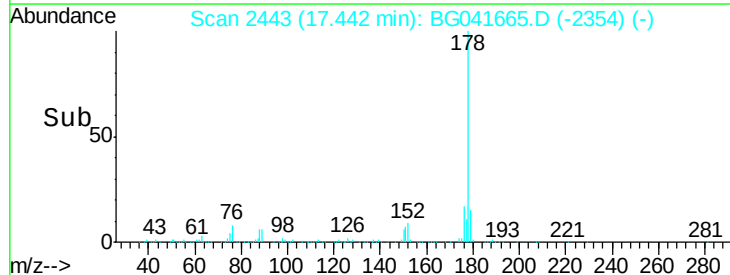
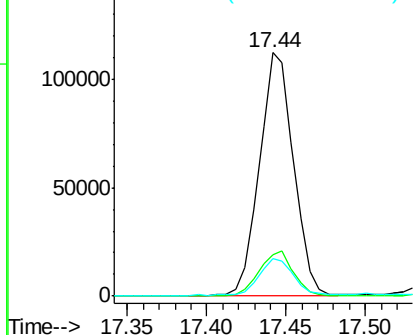


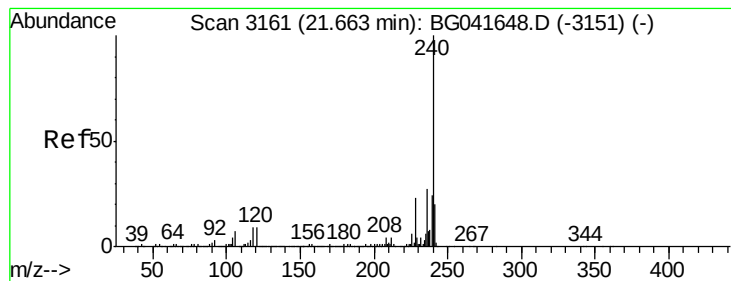
#71
 Phenanthrene
 Concen: 3.836 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG041665.D
 Acq: 16 Jul 2019 13:08

Tgt Ion:178 Resp: 167575
 Ion Ratio Lower Upper
 178 100
 176 17.0 18.6 28.0#
 179 15.3 15.4 23.0#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

Instrument :

BNA_G

ClientSampleId :

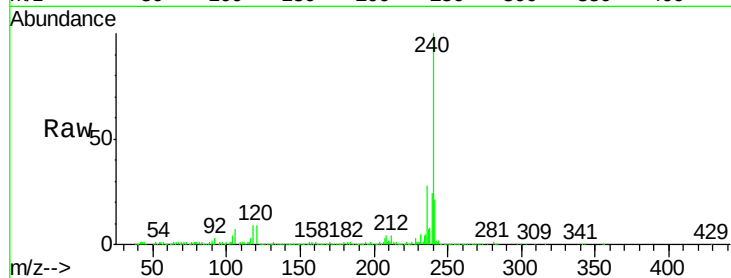
Tot Ion:240 Resp: 813273

Ion Ratio Lower Upper

240 100

120 9.5 8.0 12.0

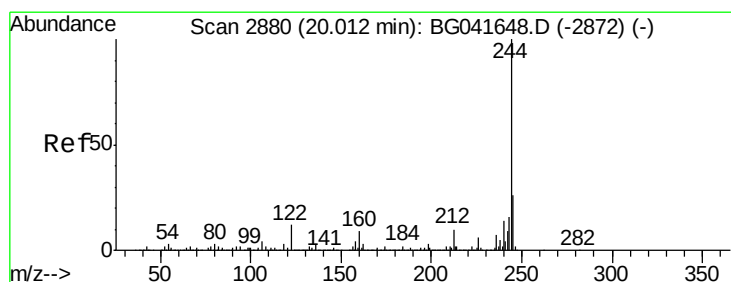
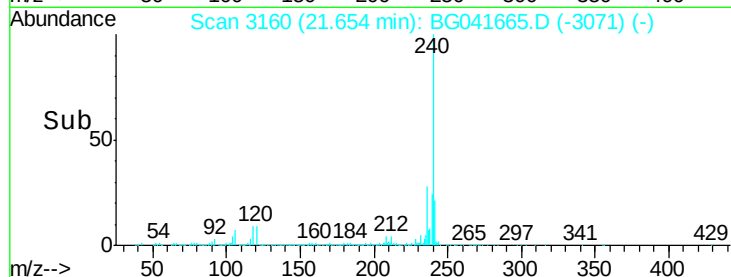
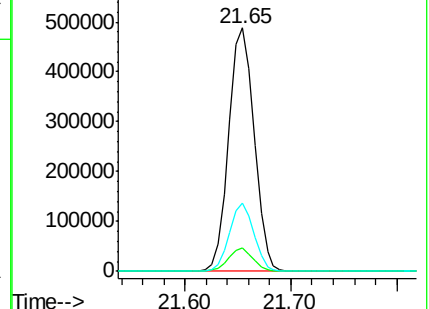
236 28.2 22.6 33.8



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: 64.690 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

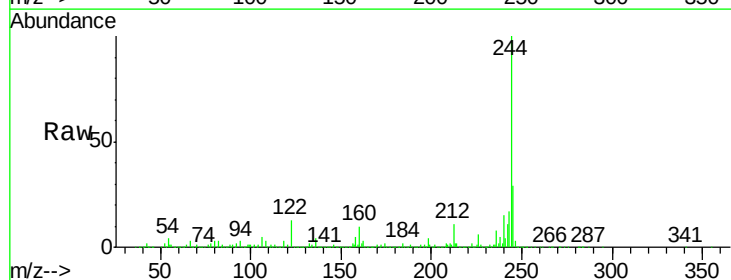
Tgt Ion:244 Resp: 2251310

Ion Ratio Lower Upper

244 100

212 10.7 9.7 14.5

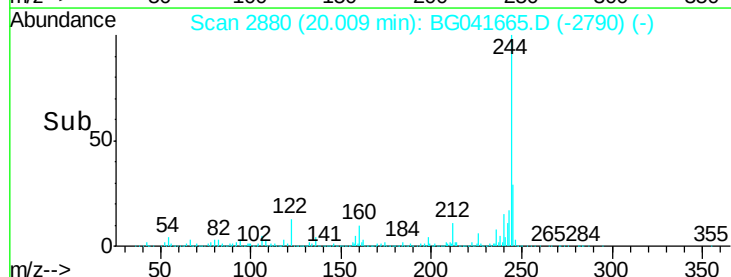
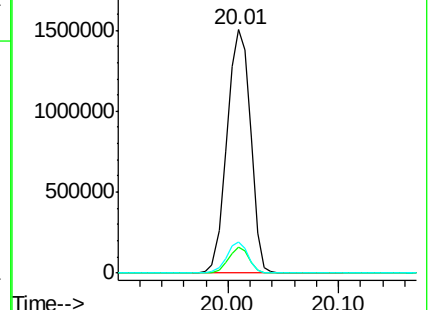
122 13.0 12.5 18.7

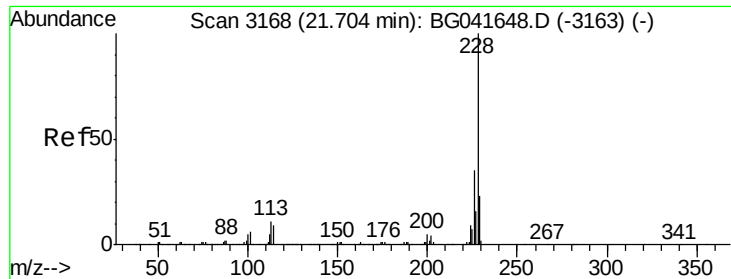


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Chrysene

Concen: 2.515 ng

RT: 21.70 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

Instrument :

BNA_G

ClientSampleId :

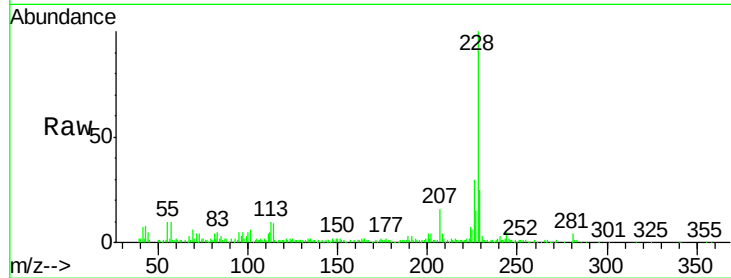
Tot Ion:228 Resp: 126272

Ion Ratio Lower Upper

228 100

226 29.7 30.1 45.1#

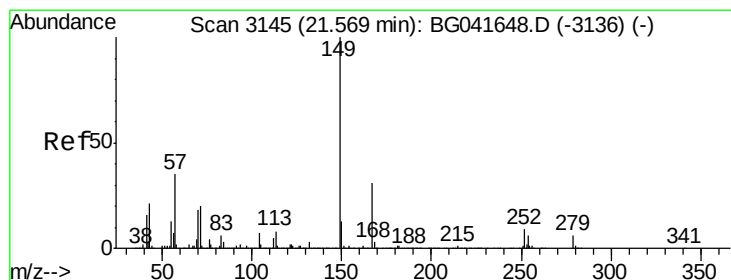
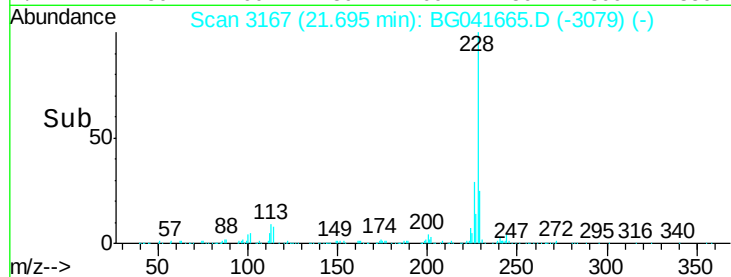
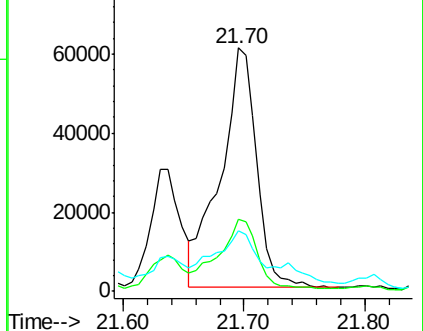
229 25.1 19.8 29.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.134 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG041665.D

Acq: 16 Jul 2019 13:08

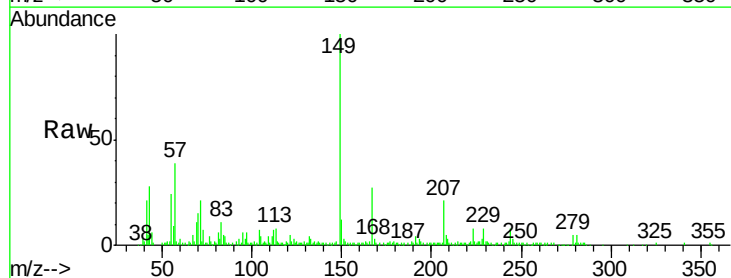
Tgt Ion:149 Resp: 68873

Ion Ratio Lower Upper

149 100

167 26.6 27.0 40.4#

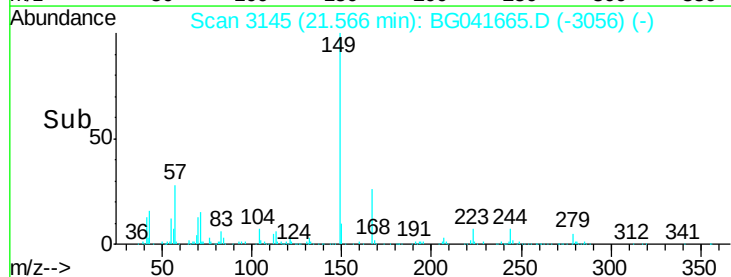
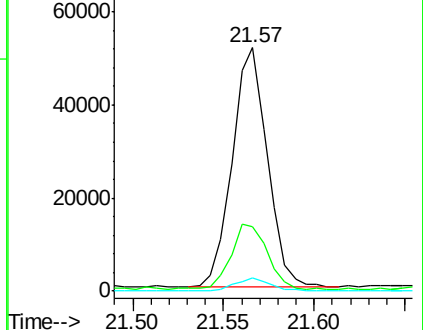
279 5.4 5.0 7.6

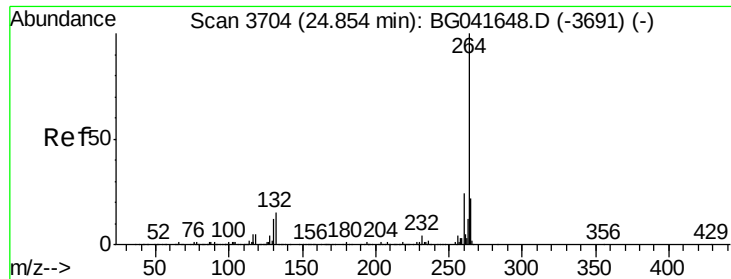


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.86 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BG041665.D
Acq: 16 Jul 2019 13:08

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.4	18.0	27.0

