

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010120\
 Data File : BG043872.D
 Acq On : 2 Jan 2020 12:42
 Operator : JU
 Sample : PB125839BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB125839BL

Quant Time: Jan 02 13:20:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

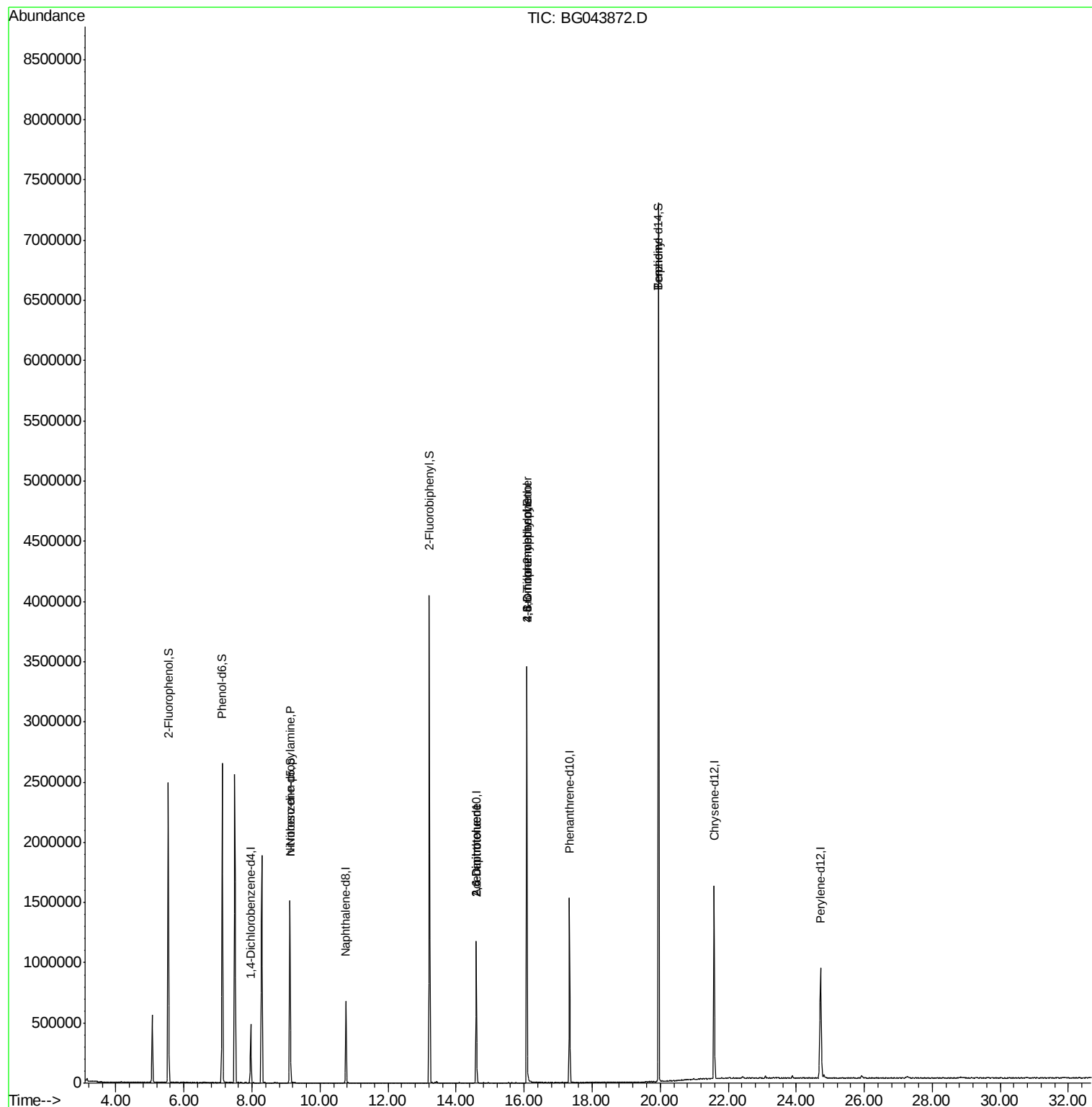
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	141424	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	600773	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	411717	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	936078	20.00	ng	0.00
76) Chrysene-d12	21.58	240	850188	20.00	ng	0.00
87) Perylene-d12	24.72	264	929637	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1124974	146.06	ng	0.00
7) Phenol-d6	7.12	99	1579141	146.67	ng	0.00
23) Nitrobenzene-d5	9.12	82	932100	83.00	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	587315	136.31	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	2020198	88.90	ng	0.00
79) Terphenyl-d14	19.95	244	2962741	83.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	123150	15.359	ng	# 79
51) 2,6-Dinitrotoluene	14.59	165	52110	7.887	ng	# 25
57) 2,4-Dinitrotoluene	14.59	165	52110	5.796	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.08	198	2625	4.884	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	44377	4.215	ng	# 1
77) Benzidine	19.95	184	68006	3.182	ng	# 92

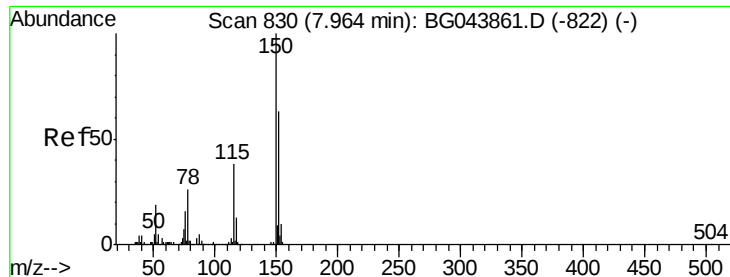
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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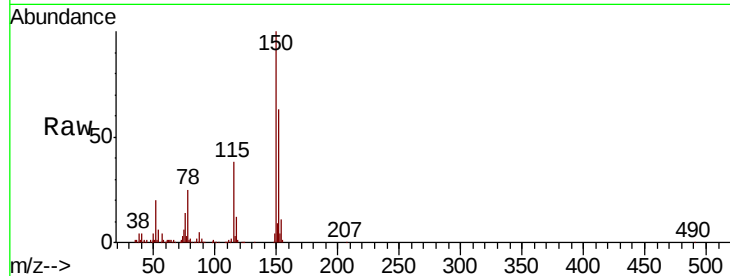


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043872.D
Acq: 2 Jan 2020 12:42

Instrument :
BNA_G
ClientSampleId :
PB125839BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	127.0	190.4
115	60.1	47.8	71.8

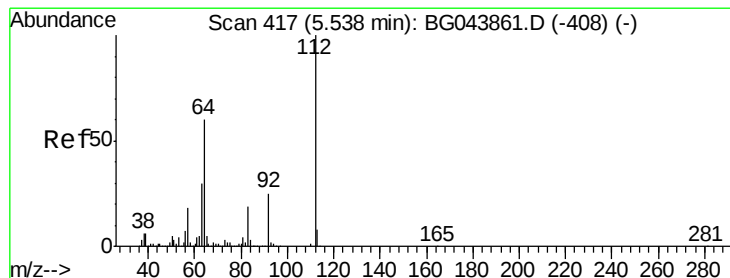
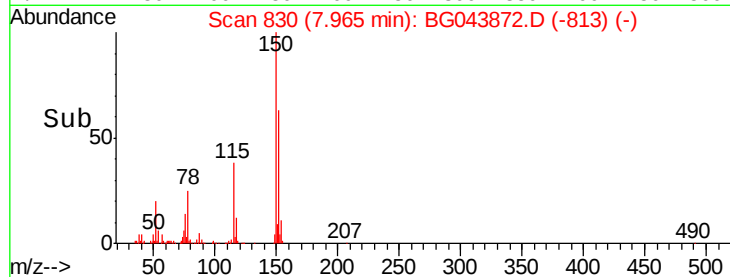
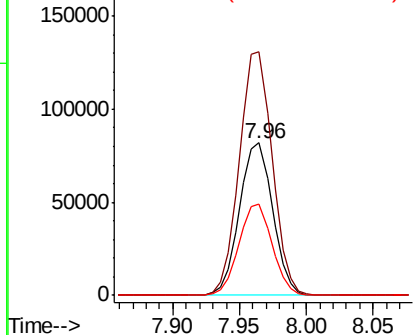


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

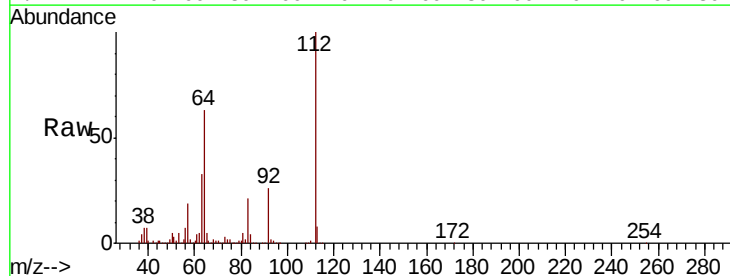
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 146.056 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG043872.D
Acq: 2 Jan 2020 12:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	47.8	71.6
63	33.1	24.3	36.5

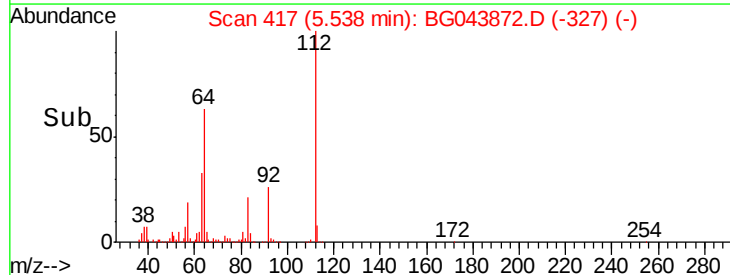
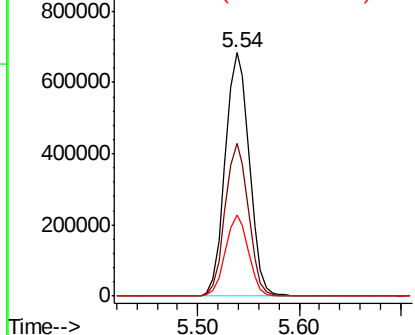


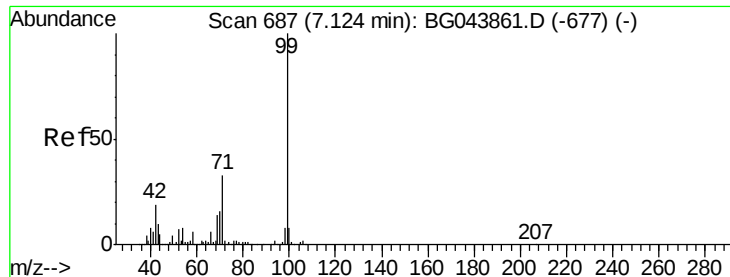
Abundance

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: 146.672 ng

RT: 7.12 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

Instrument :

BNA_G

ClientSampleId :

PB125839BL

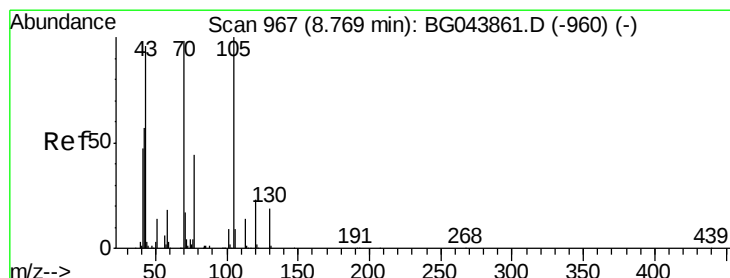
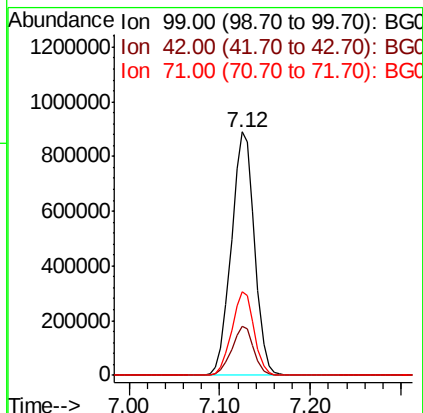
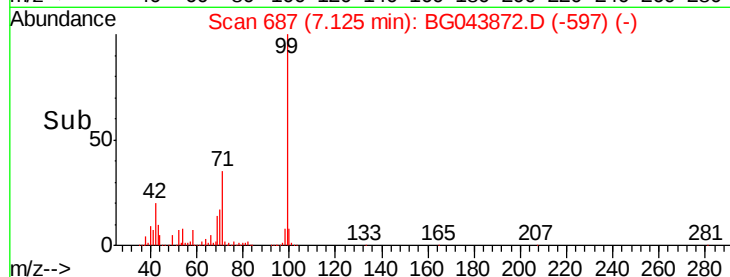
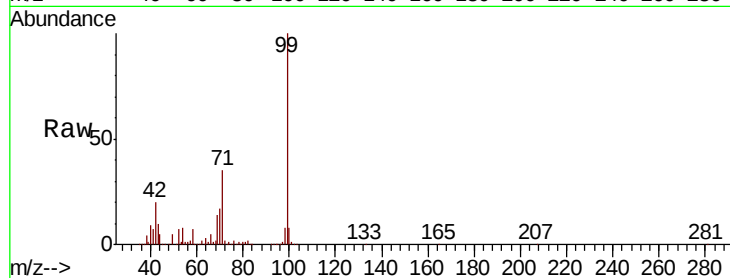
Tot Ion: 99 Resp: 1579141

Ion Ratio Lower Upper

99 100

42 20.1 14.9 22.3

71 34.6 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.359 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

Tgt Ion: 70 Resp: 123150

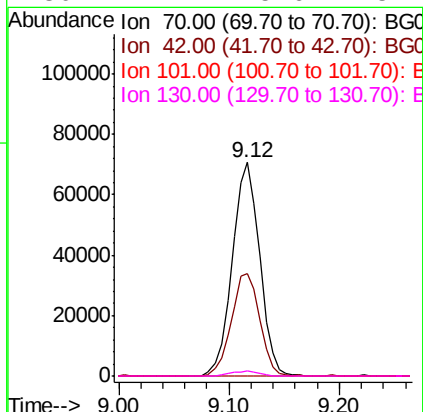
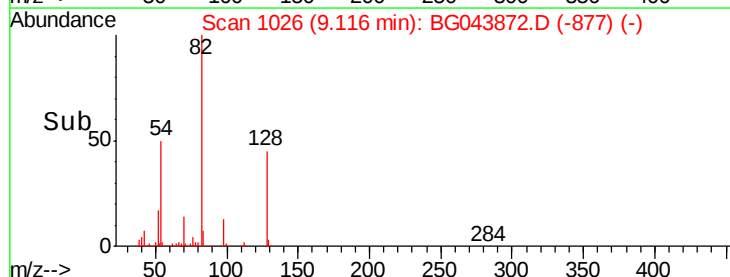
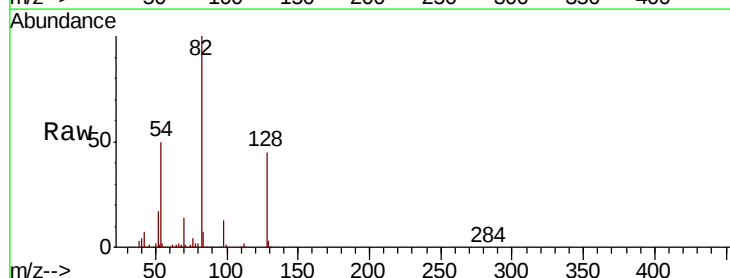
Ion Ratio Lower Upper

70 100

42 47.8 47.0 70.4

101 0.0 7.2 10.8#

130 2.4 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

Instrument :

BNA_G

ClientSampleId :

PB125839BL

Tot Ion:136 Resp: 600773

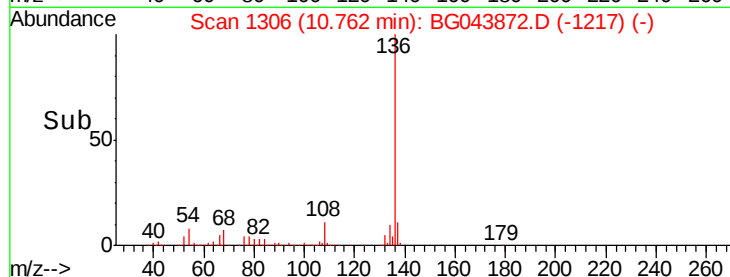
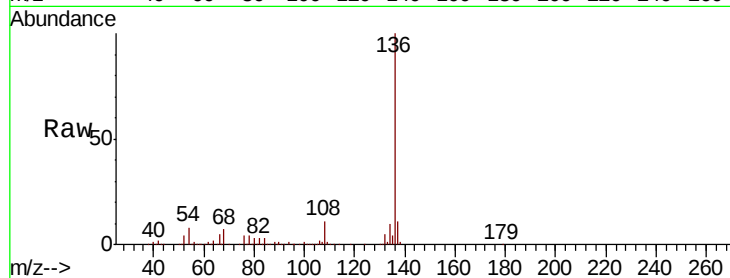
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 8.2 7.0 10.4

68 6.6 4.9 7.3



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

10.76

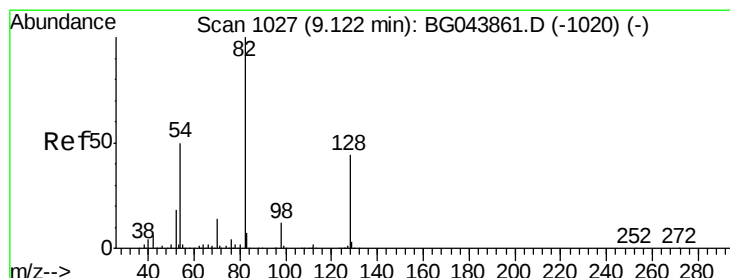
300000

200000

100000

0

Time-->



#23

Nitrobenzene-d5

Concen: 82.999 ng

RT: 9.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

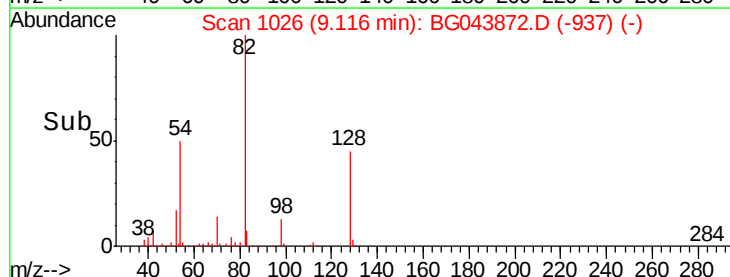
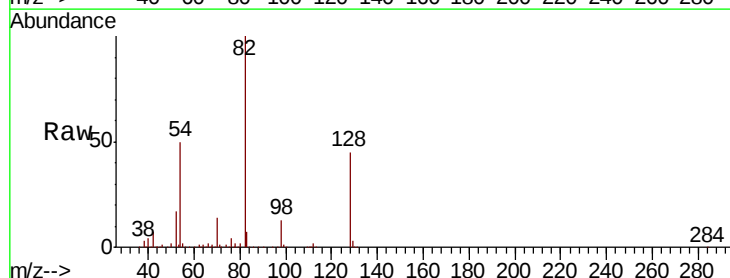
Tgt Ion: 82 Resp: 932100

Ion Ratio Lower Upper

82 100

128 45.1 35.1 52.7

54 50.4 40.1 60.1



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

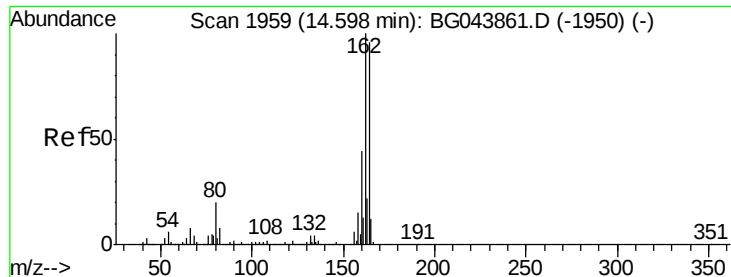
600000

400000

200000

0

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

Instrument :

BNA_G

ClientSampleId :

PB125839BL

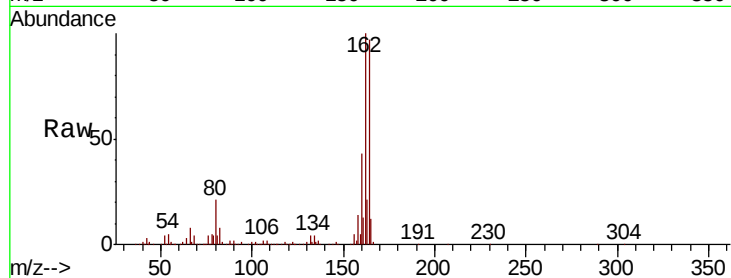
Tot Ion:164 Resp: 411717

Ion Ratio Lower Upper

164 100

162 103.3 83.0 124.4

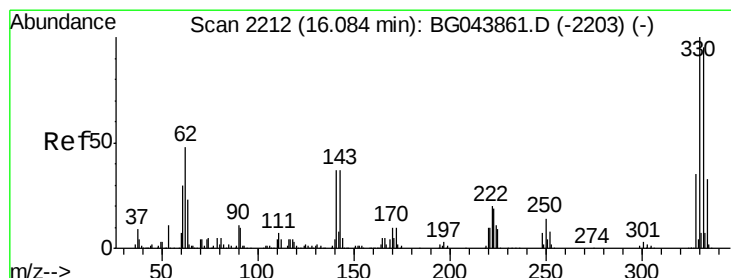
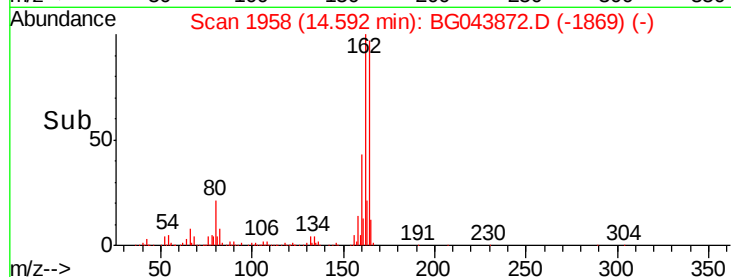
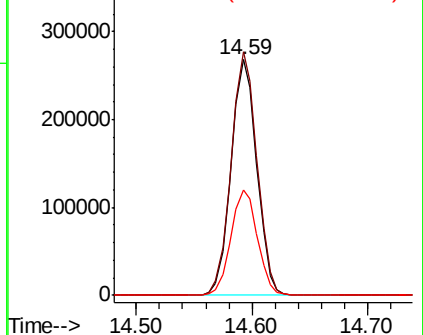
160 44.9 36.1 54.1



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: 136.314 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.01 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

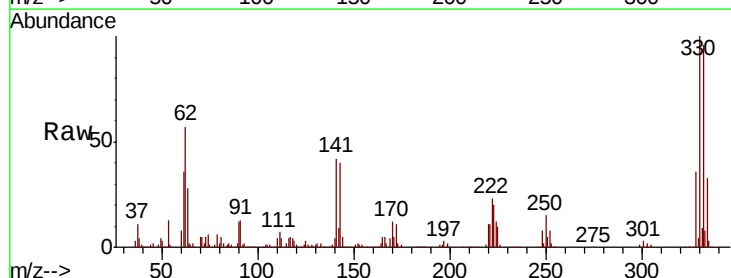
Tgt Ion:330 Resp: 587315

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

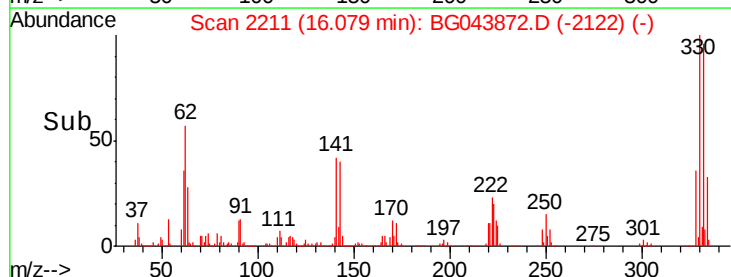
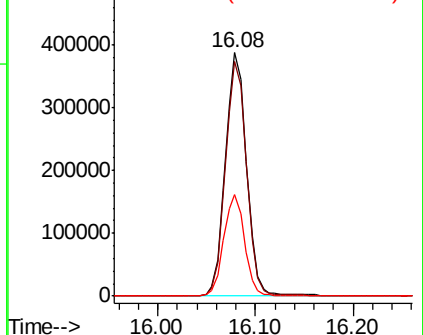
141 41.2 33.1 49.7

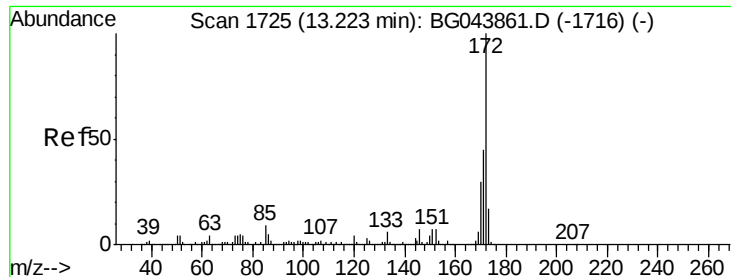


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 88.899 ng

RT: 13.22 min Scan# 1724

Delta R.T. -0.01 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

Instrument :

BNA_G

ClientSampleId :

PB125839BL

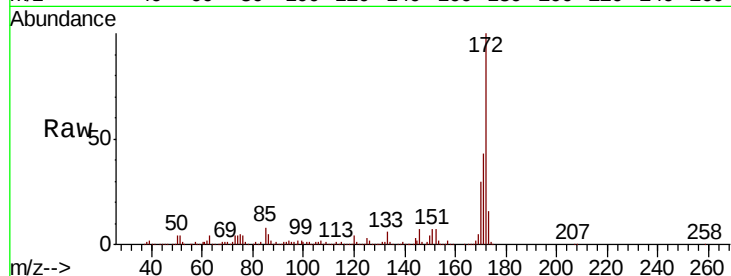
Tot Ion:172 Resp: 2020198

Ion Ratio Lower Upper

172 100

171 43.2 35.8 53.8

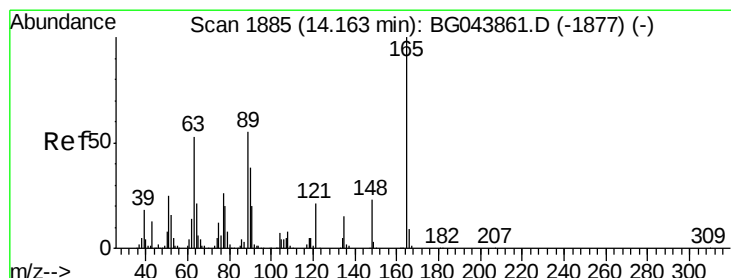
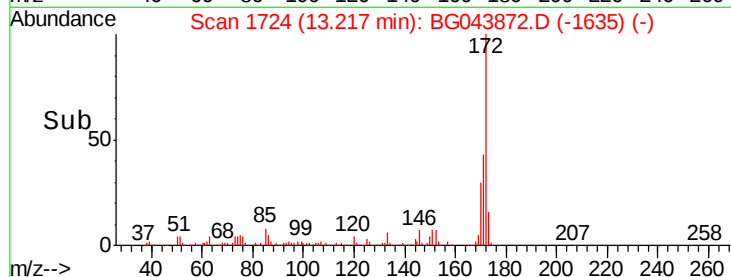
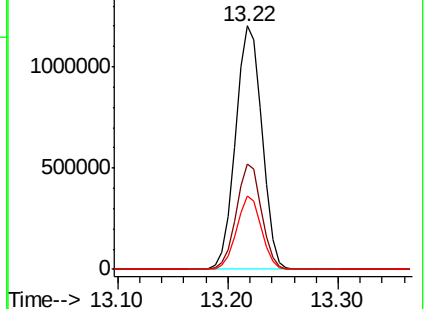
170 30.0 24.2 36.4



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: 7.887 ng

RT: 14.59 min Scan# 1958

Delta R.T. 0.43 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

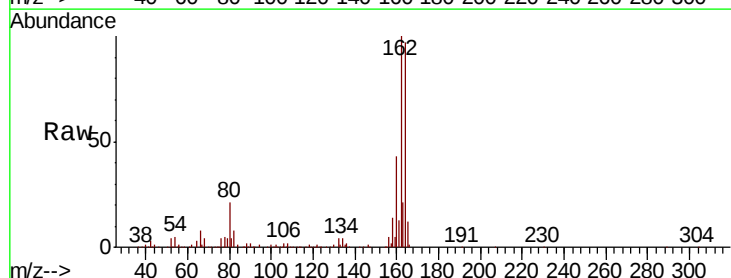
Tgt Ion:165 Resp: 52110

Ion Ratio Lower Upper

165 100

63 0.0 43.1 64.7#

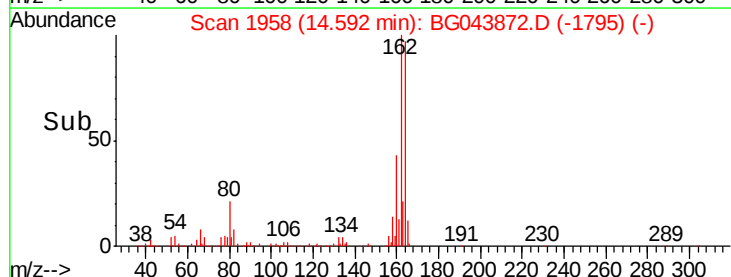
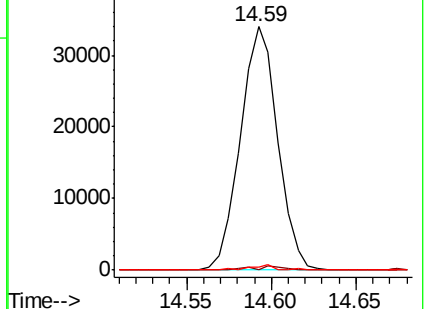
89 1.3 43.8 65.6#

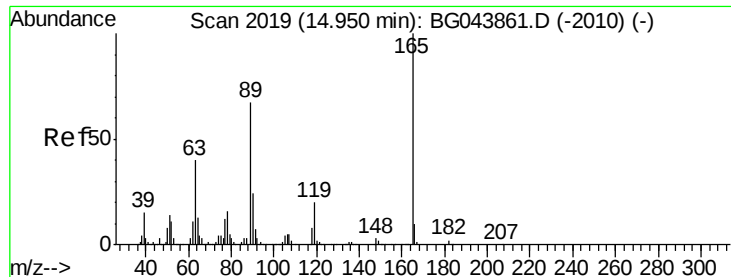


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0

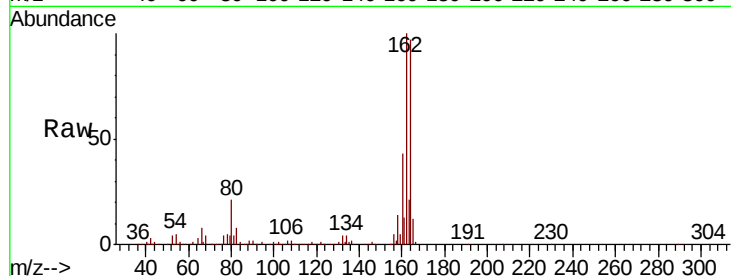




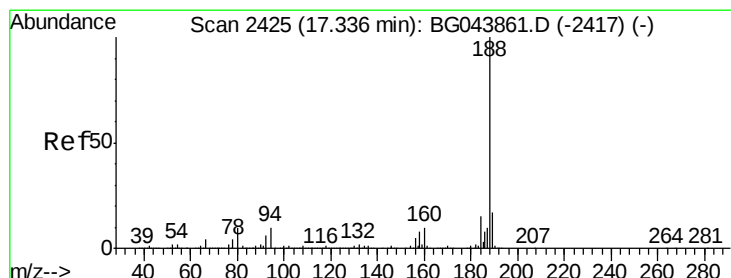
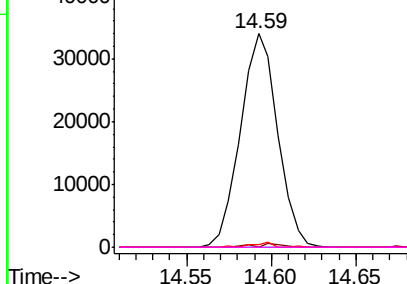
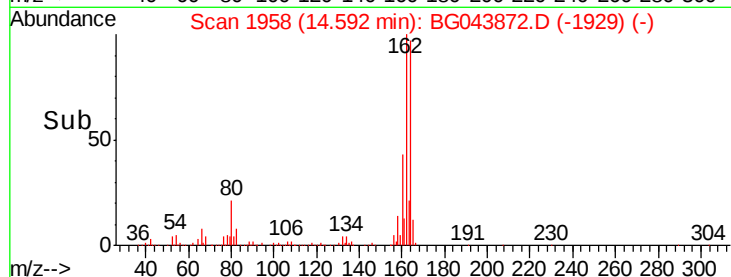
#57
 2,4-Dinitrotoluene
 Concen: 5.796 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043872.D
 Acq: 2 Jan 2020 12:42

Instrument :
 BNA_G
 ClientSampleId :
 PB125839BL

Tot Ion:165 Resp: 52110
 Ion Ratio Lower Upper
 165 100
 63 0.0 31.9 47.9#
 89 1.3 53.8 80.6#
 182 0.0 2.0 3.0#

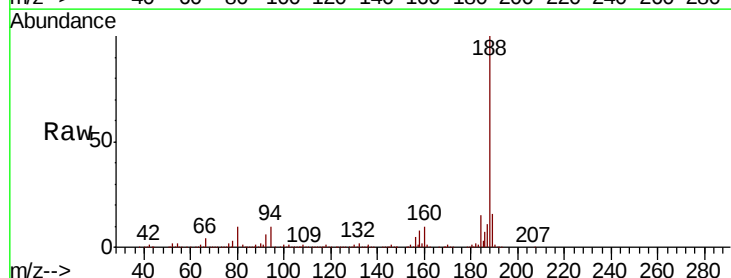


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

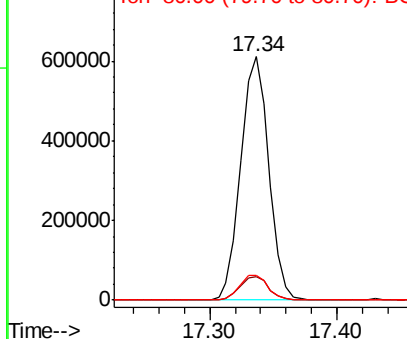
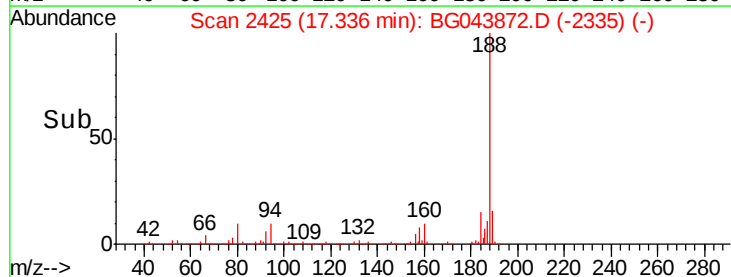


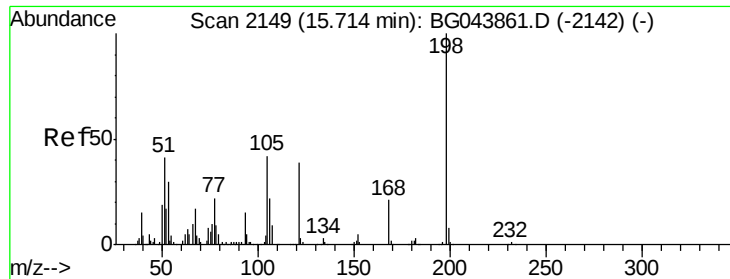
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BG043872.D
 Acq: 2 Jan 2020 12:42

Tgt Ion:188 Resp: 936078
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.9 11.9
 80 10.4 8.2 12.4



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

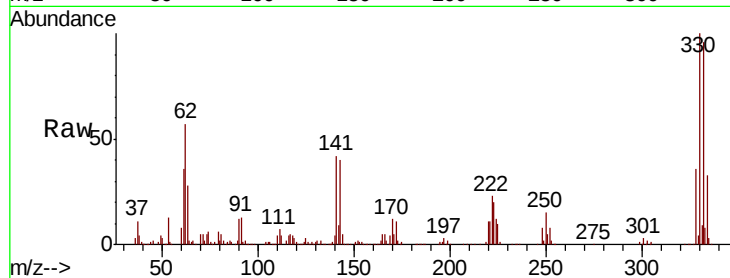




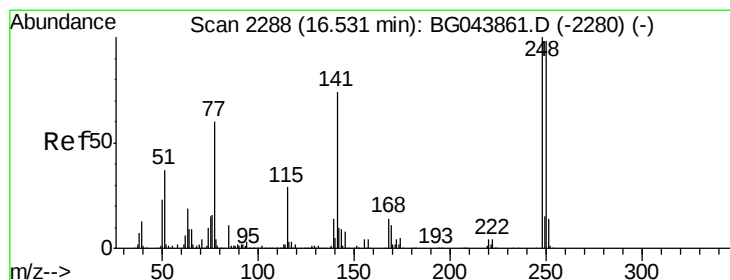
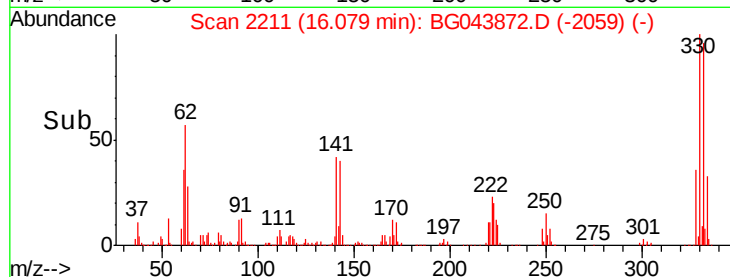
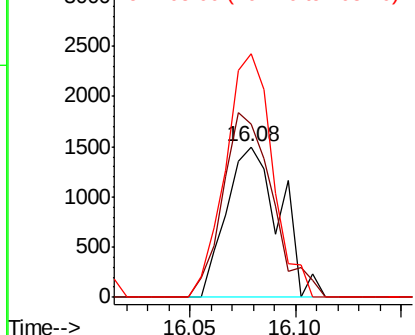
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.884 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. 0.36 min
 Lab File: BG043872.D
 Acq: 2 Jan 2020 12:42

Instrument :
 BNA_G
 ClientSampleId :
 PB125839BL

Tot Ion:198 Resp: 2625
 Ion Ratio Lower Upper
 198 100
 51 115.1 22.5 62.5#
 105 161.7 22.3 62.3#

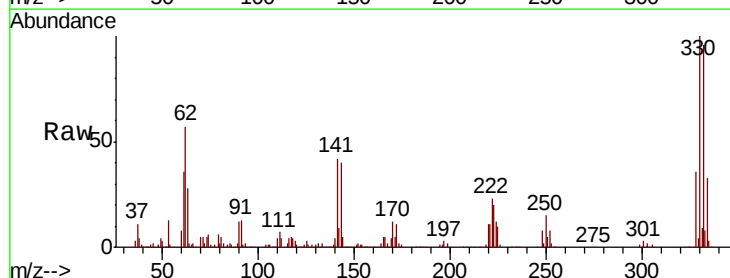


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

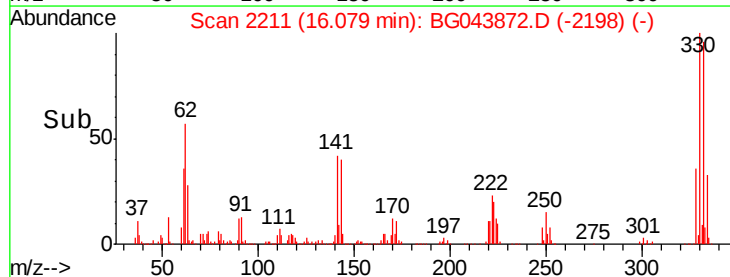
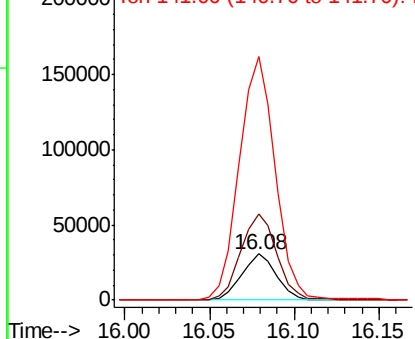


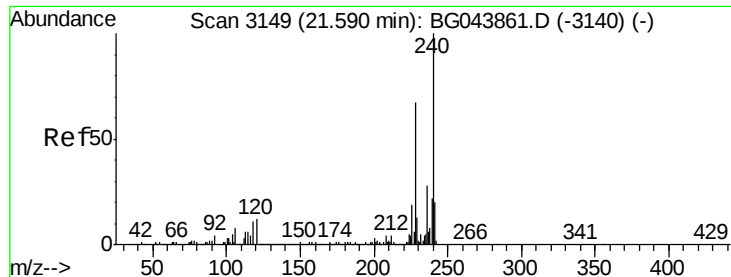
#67
 4-Bromophenyl-phenylether
 Concen: 4.215 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.45 min
 Lab File: BG043872.D
 Acq: 2 Jan 2020 12:42

Tgt Ion:248 Resp: 44377
 Ion Ratio Lower Upper
 248 100
 250 187.6 78.2 117.2#
 141 527.3 59.3 88.9#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3148

Delta R.T. -0.01 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

Instrument :

BNA_G

ClientSampleId :

PB125839BL

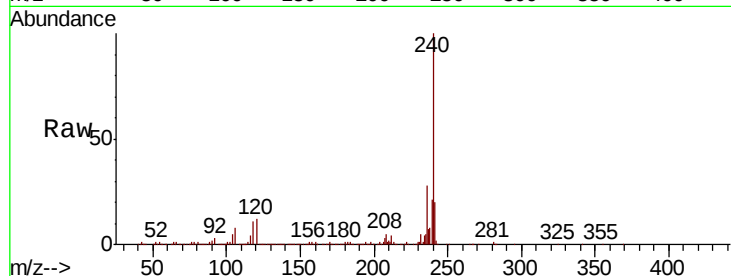
Tot Ion:240 Resp: 850188

Ion Ratio Lower Upper

240 100

120 11.8 9.6 14.4

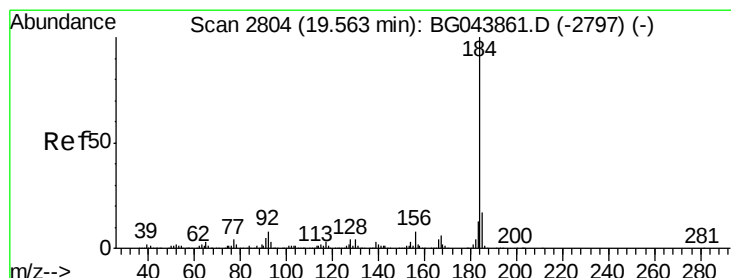
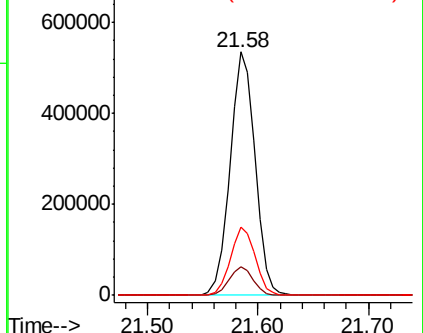
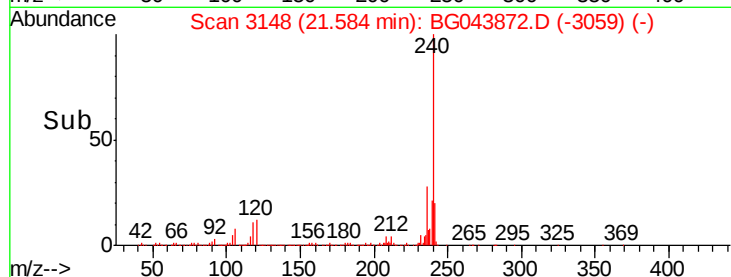
236 28.2 22.2 33.2



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: 3.182 ng

RT: 19.95 min Scan# 2870

Delta R.T. 0.39 min

Lab File: BG043872.D

Acq: 2 Jan 2020 12:42

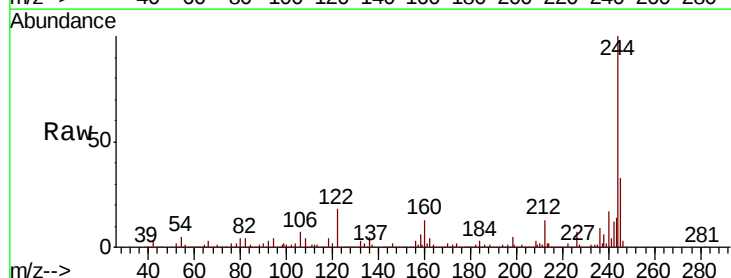
Tgt Ion:184 Resp: 68006

Ion Ratio Lower Upper

184 100

185 15.5 13.4 20.0

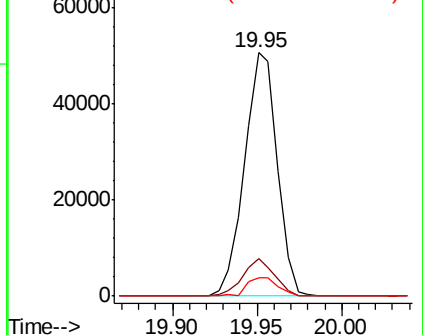
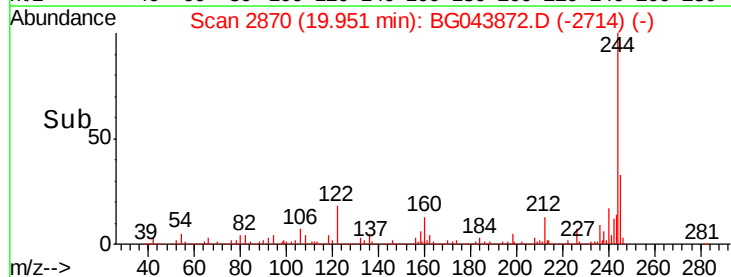
183 7.3 10.6 15.8#

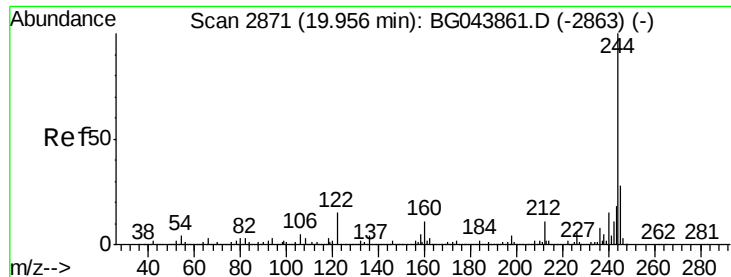


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

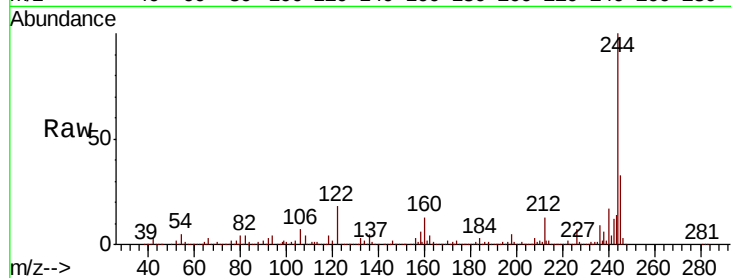




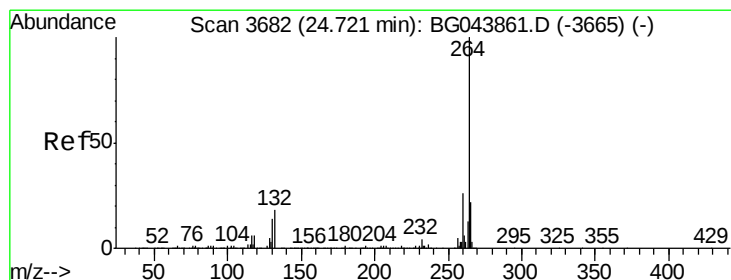
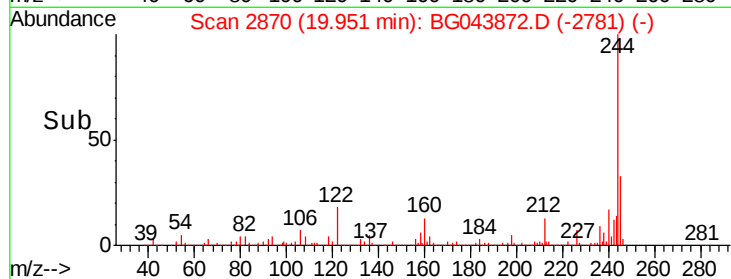
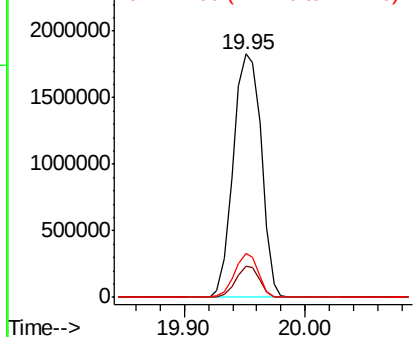
#79
 Terphenyl-d14
 Concen: 83.673 ng
 RT: 19.95 min Scan# 2870
 Delta R.T. -0.01 min
 Lab File: BG043872.D
 Acq: 2 Jan 2020 12:42

Instrument :
 BNA_G
 ClientSampleID :
 PB125839BL

Tot Ion:244 Resp: 2962741
 Ion Ratio Lower Upper
 244 100
 212 12.9 8.6 13.0
 122 17.9 11.9 17.9

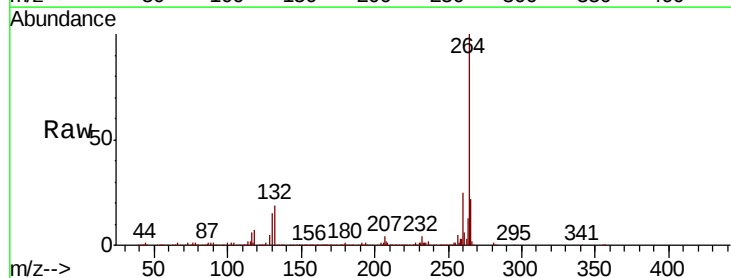


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.72 min Scan# 3681
 Delta R.T. -0.01 min
 Lab File: BG043872.D
 Acq: 2 Jan 2020 12:42

Tgt Ion:264 Resp: 929637
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.4 30.6
 265 21.6 17.4 26.2



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

