

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061820\
 Data File : BG045801.D
 Acq On : 18 Jun 2020 20:21
 Operator : CG/JU
 Sample : PB129622TB
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129622TB

Quant Time: Jun 19 03:32:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

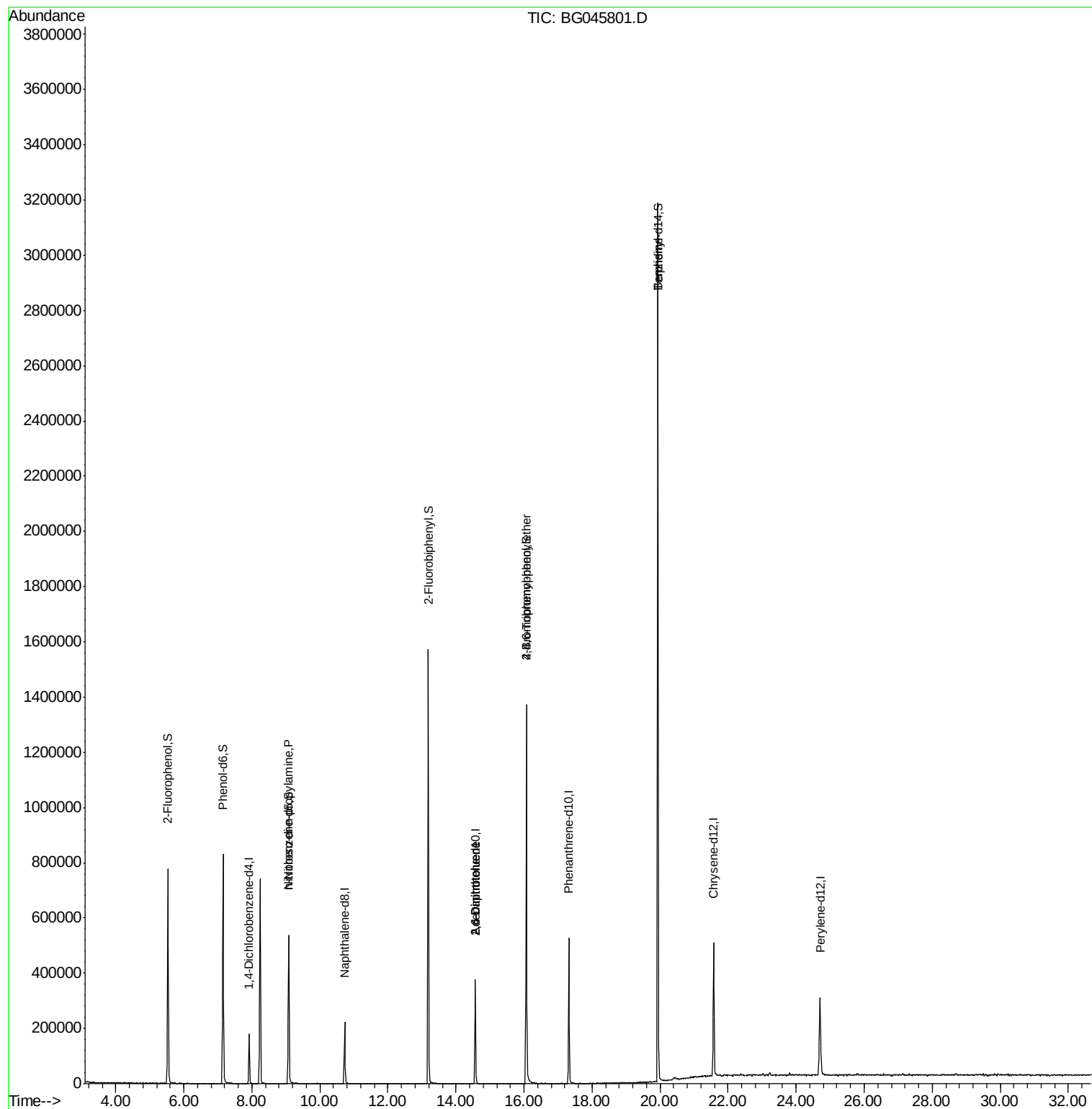
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	51721	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	203621	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	149147	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	350433	20.00	ng	0.00
76) Chrysene-d12	21.57	240	319744	20.00	ng	0.00
86) Perylene-d12	24.70	264	335304	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	389034	127.06	ng	0.00
7) Phenol-d6	7.15	99	551275	118.37	ng	-0.01
23) Nitrobenzene-d5	9.08	82	380139	85.29	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	290650	129.08	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	893950	88.08	ng	0.00
79) Terphenyl-d14	19.93	244	1557321	98.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	51729	16.895	ng	# 81
51) 2,6-Dinitrotoluene	14.57	165	19317	7.361	ng	# 23
57) 2,4-Dinitrotoluene	14.57	165	19317	5.137	ng	# 21
67) 4-Bromophenyl-phenylether	16.07	248	19666	4.319	ng	# 1
77) Benzidine	19.93	184	27300	3.284	ng	# 91

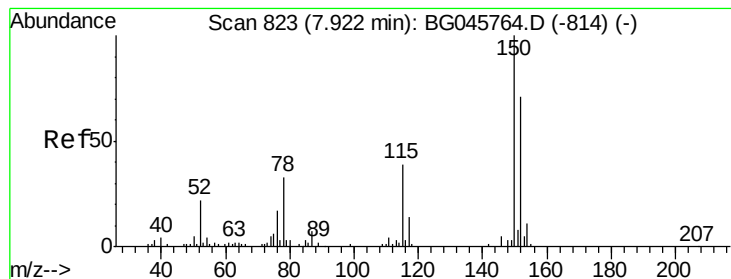
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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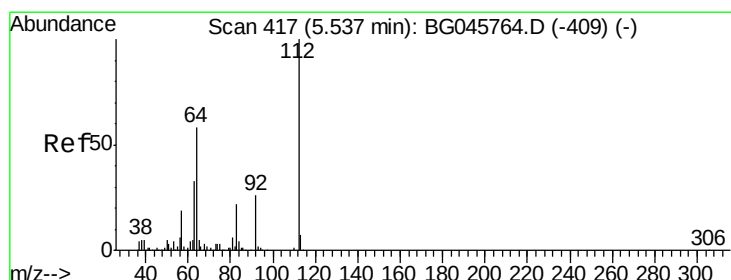
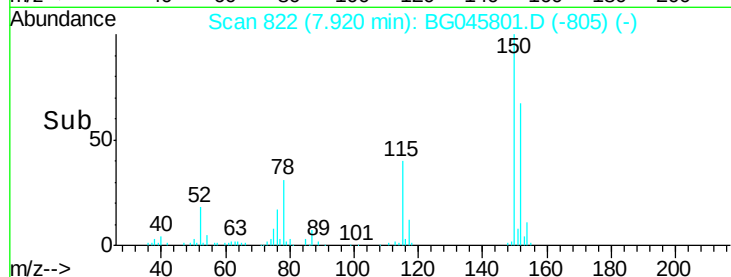
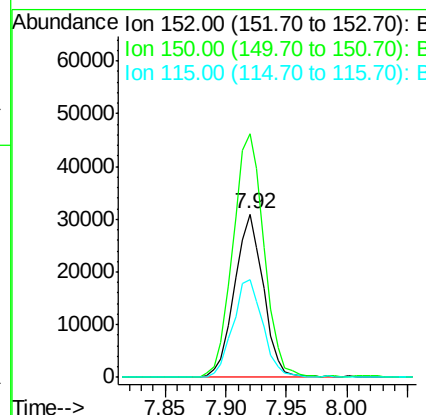
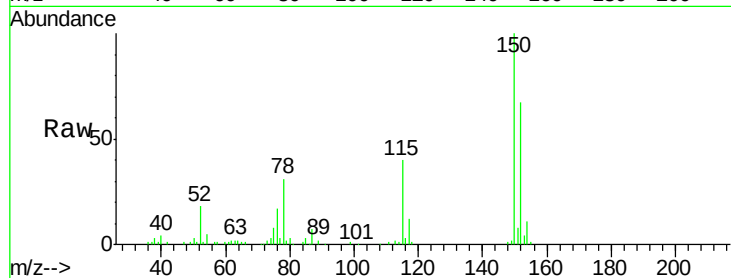


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG045801.D
Acq: 18 Jun 2020 20:21

Instrument :
BNA_G
ClientSampleId :
PB129622TB

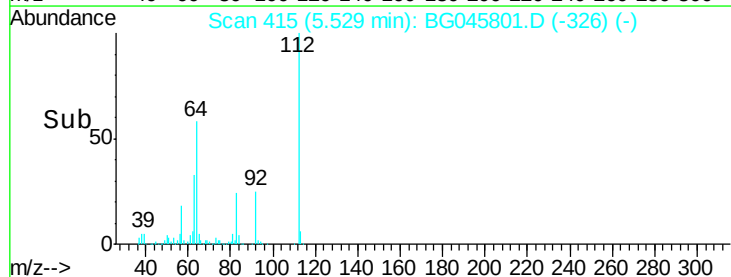
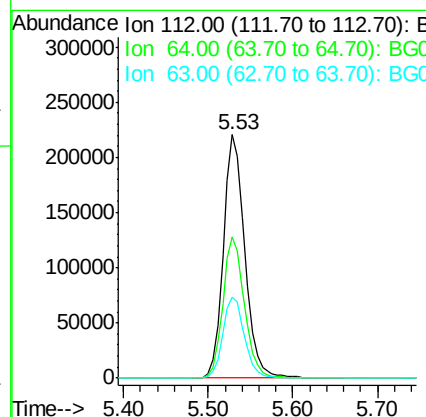
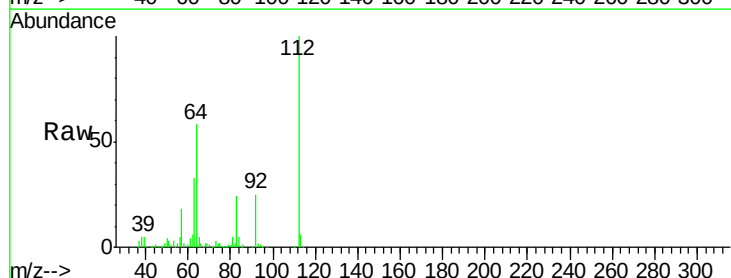
Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	113.1	169.7
115	59.8	43.8	65.6

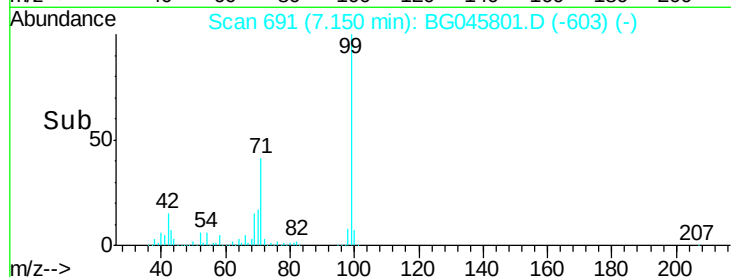
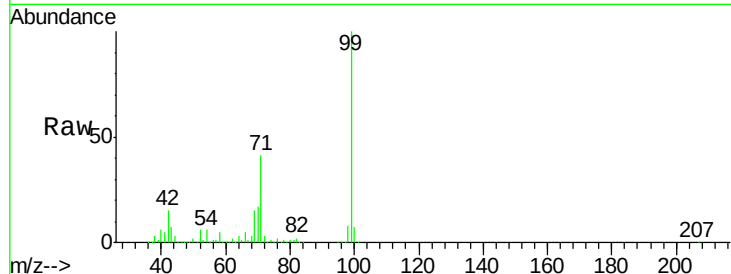
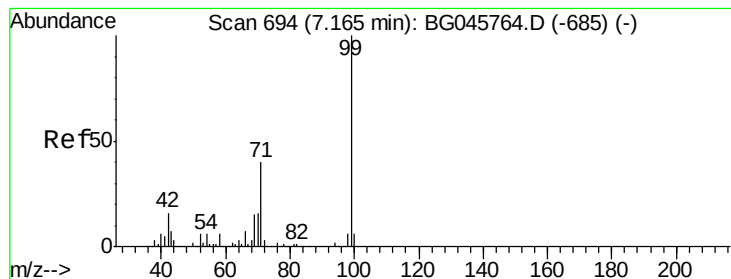


#5

2-Fluorophenol
Concen: 127.061 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG045801.D
Acq: 18 Jun 2020 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.6	69.8
63	33.5	26.3	39.5





#7

Phenol-d6

Concen: 118.369 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.01 min

Lab File: BG045801.D

Acq: 18 Jun 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB129622TB

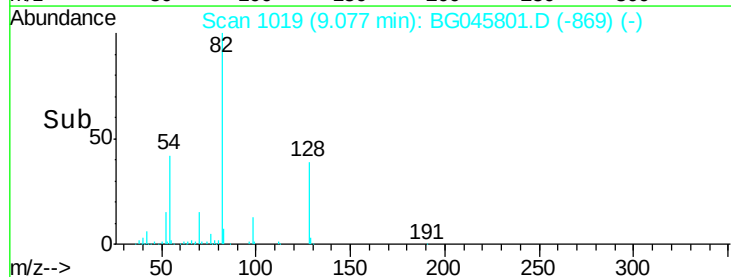
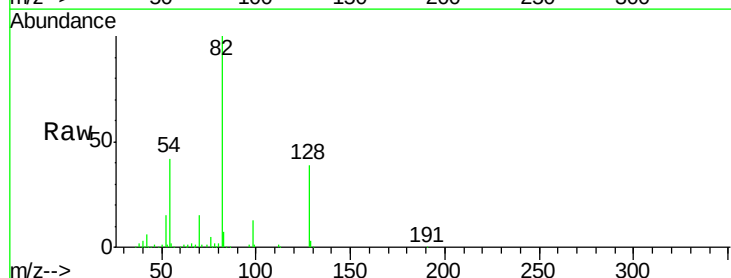
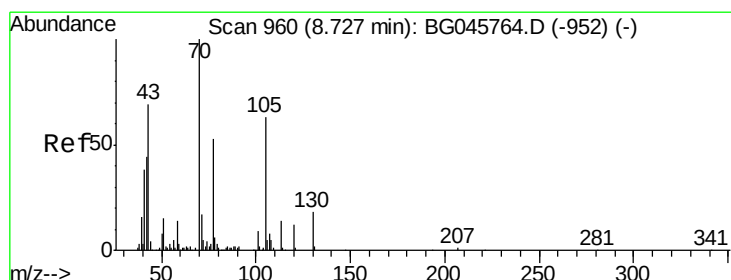
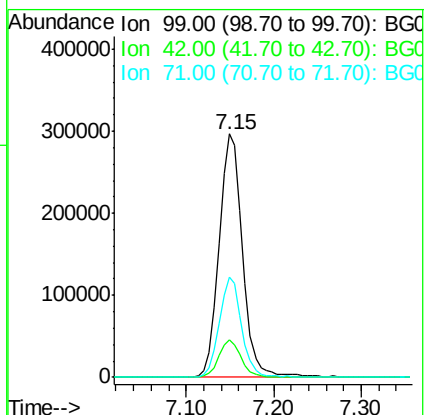
Tot Ion: 99 Resp: 551275

Ion Ratio Lower Upper

99 100

42 15.4 12.4 18.6

71 41.2 32.1 48.1



#19

n-Nitroso-di-n-propylamine

Concen: 16.895 ng

RT: 9.08 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG045801.D

Acq: 18 Jun 2020 20:21

Tgt Ion: 70 Resp: 51729

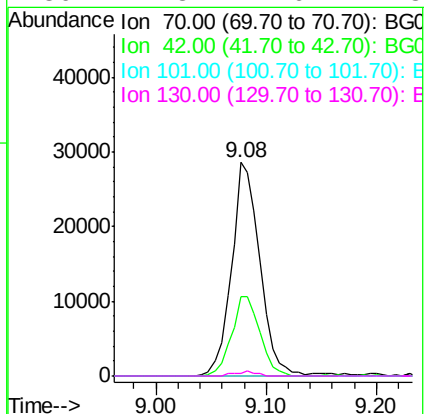
Ion Ratio Lower Upper

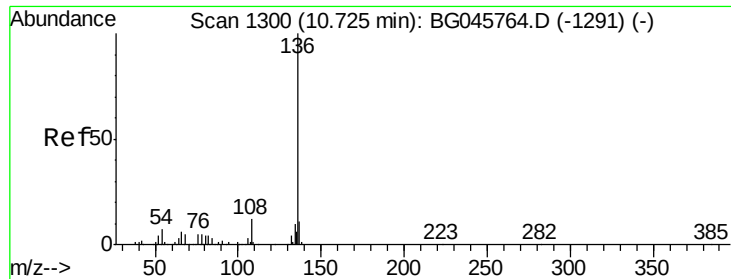
70 100

42 37.1 35.1 52.7

101 0.0 7.4 11.0#

130 1.3 14.6 21.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.72 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BG045801.D

Acq: 18 Jun 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB129622TB

Tot Ion:136 Resp: 203621

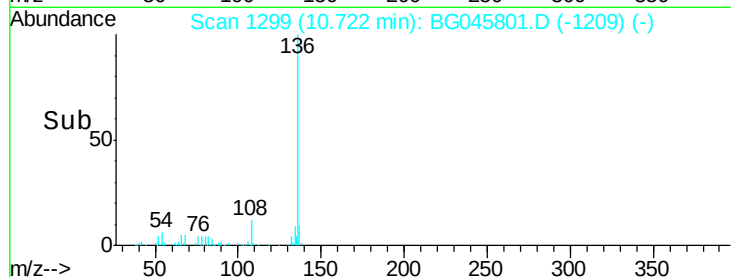
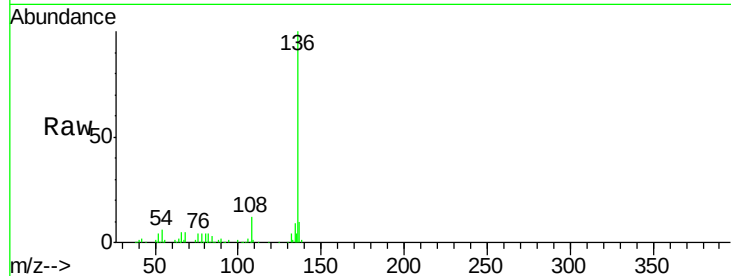
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 5.8 5.8 8.6

68 4.5 4.0 6.0

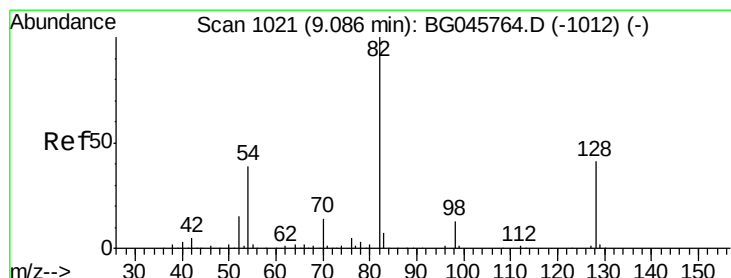
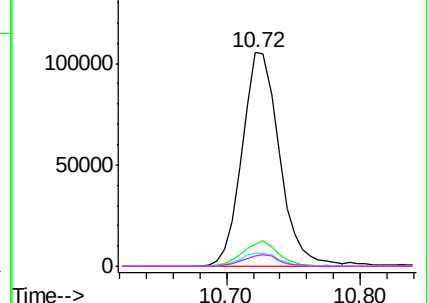


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.286 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BG045801.D

Acq: 18 Jun 2020 20:21

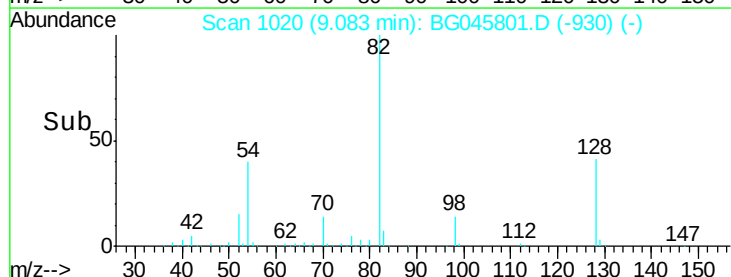
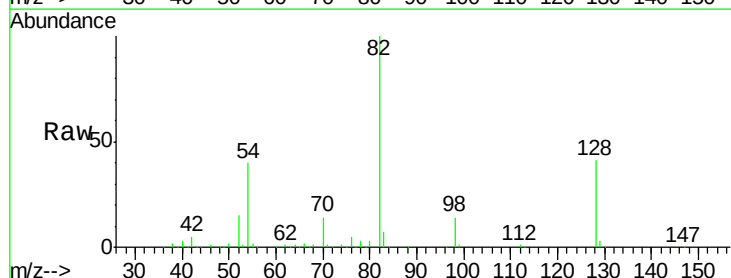
Tgt Ion: 82 Resp: 380139

Ion Ratio Lower Upper

82 100

128 40.7 32.5 48.7

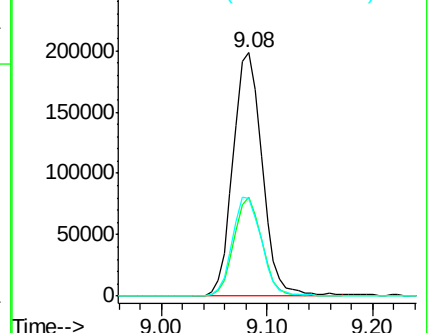
54 40.1 31.2 46.8

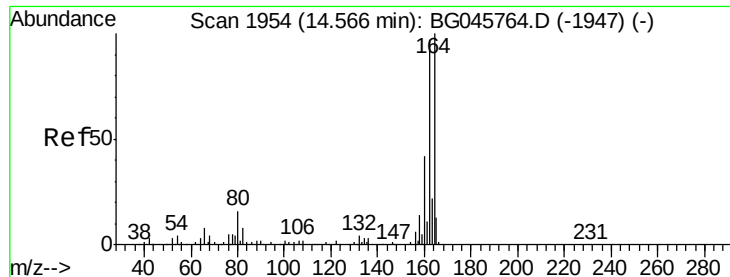


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045801.D

Acq: 18 Jun 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB129622TB

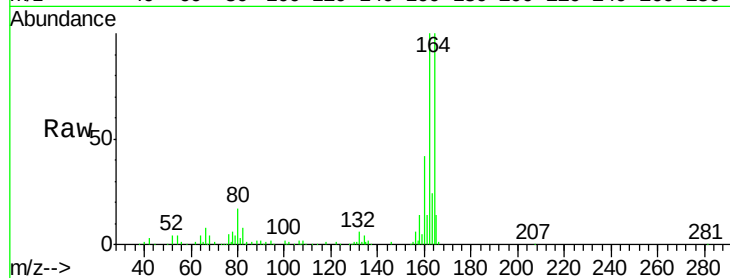
Tot Ion:164 Resp: 149147

Ion Ratio Lower Upper

164 100

162 99.8 77.4 116.0

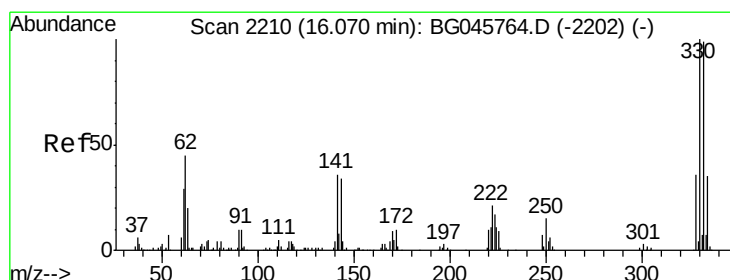
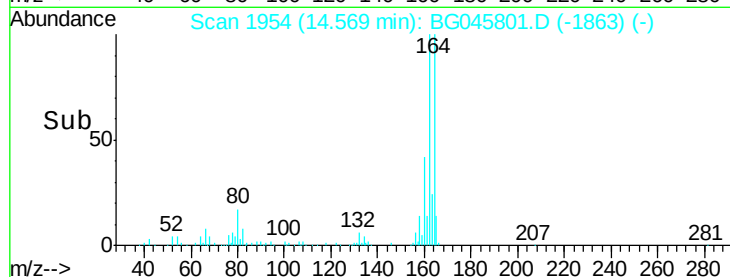
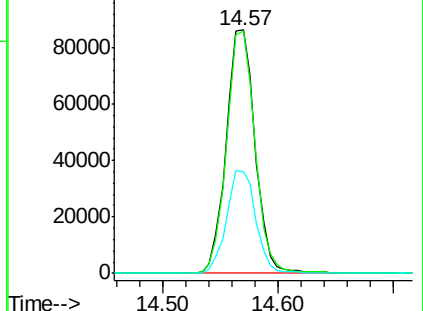
160 41.7 33.3 49.9



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: 129.078 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BG045801.D

Acq: 18 Jun 2020 20:21

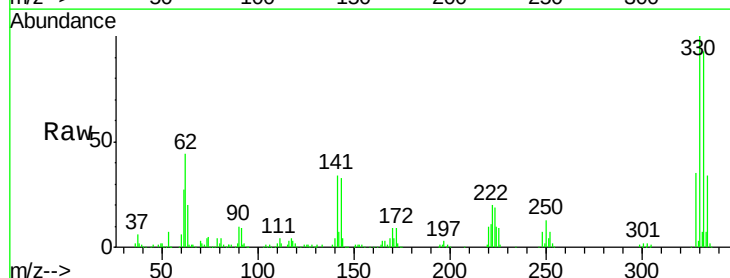
Tgt Ion:330 Resp: 290650

Ion Ratio Lower Upper

330 100

332 98.4 78.6 117.8

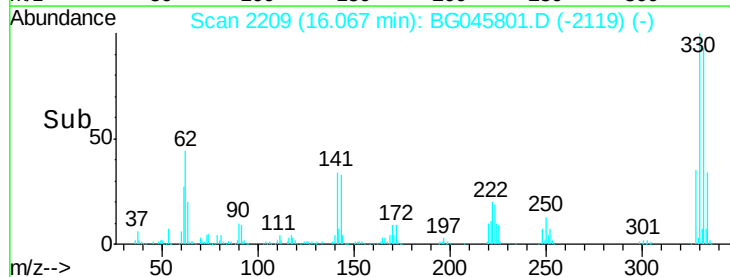
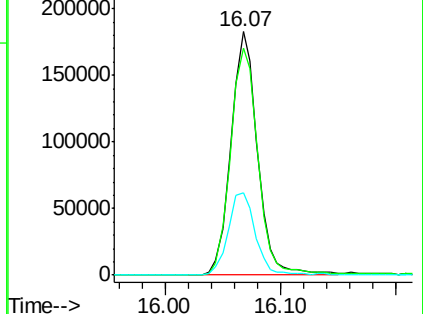
141 34.6 28.2 42.4

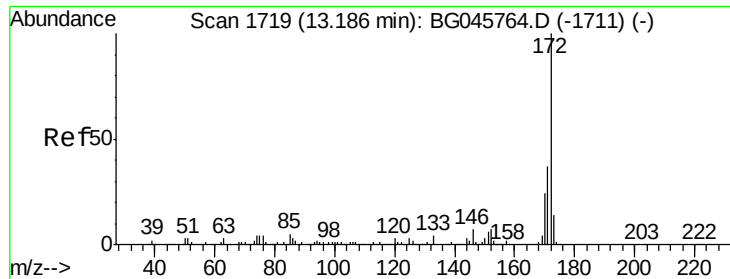


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

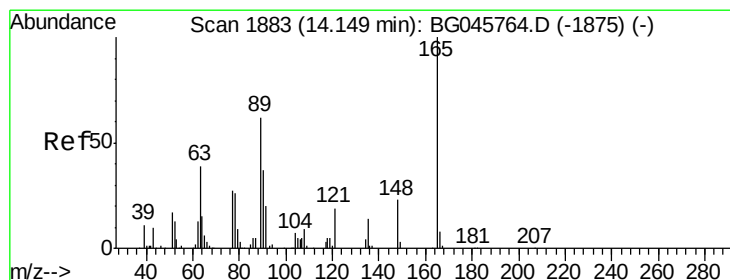
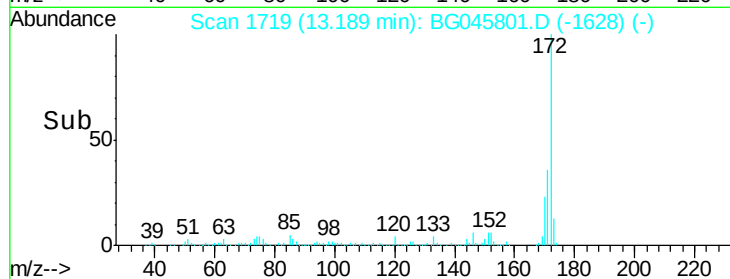
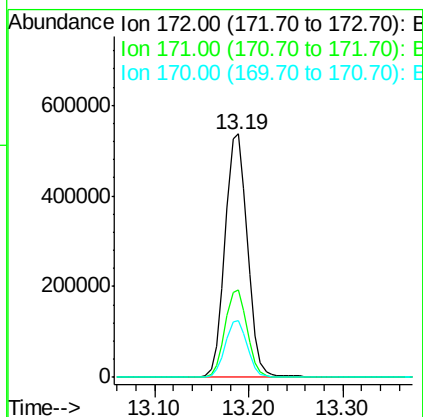
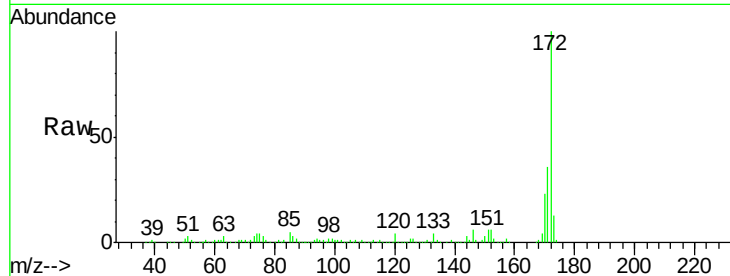




#45
 2-Fluorobiphenyl
 Concen: 88.082 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. 0.00 min
 Lab File: BG045801.D
 Acq: 18 Jun 2020 20:21

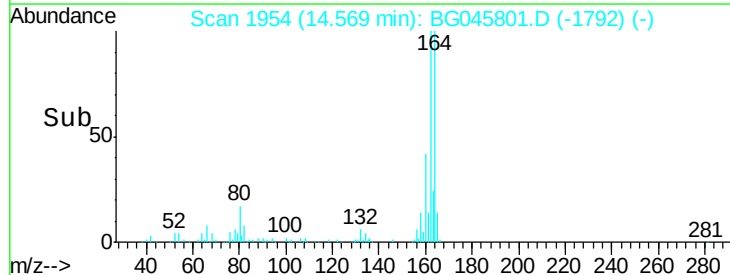
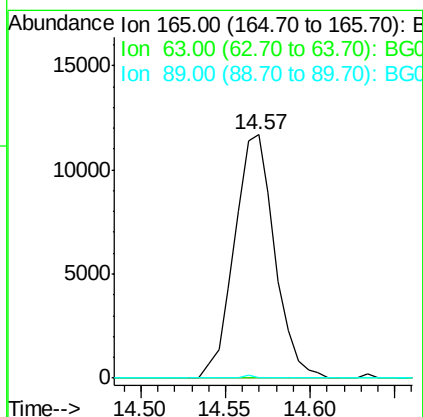
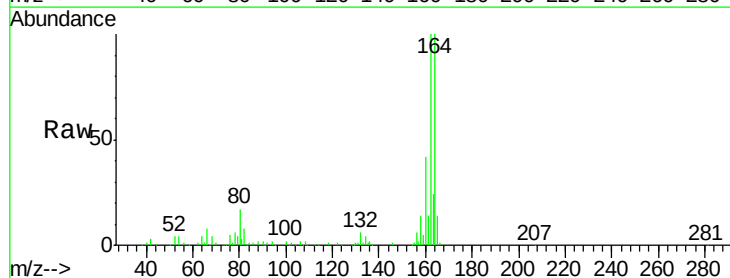
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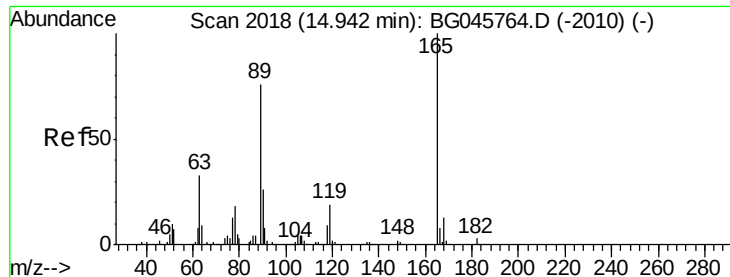
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.9	44.9
170	23.0	19.3	28.9



#51
 2,6-Dinitrotoluene
 Concen: 7.361 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.42 min
 Lab File: BG045801.D
 Acq: 18 Jun 2020 20:21

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.2	61.8#
89	0.0	49.7	74.5#

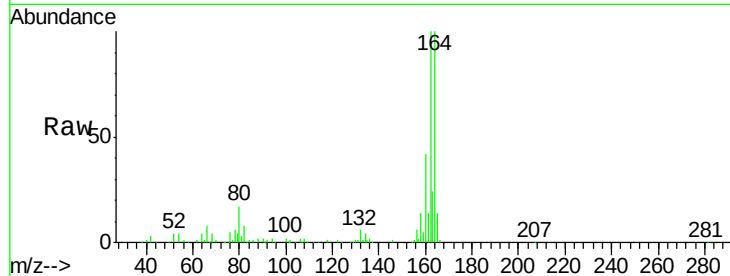




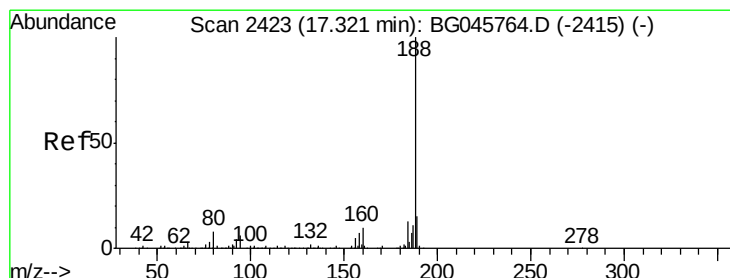
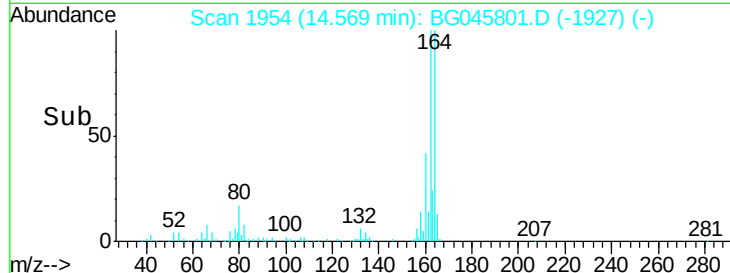
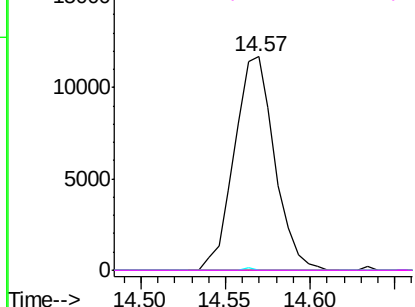
#57
 2,4-Dinitrotoluene
 Concen: 5.137 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.37 min
 Lab File: BG045801.D
 Acq: 18 Jun 2020 20:21

Instrument :
 BNA_G
 ClientSampleId :
 PB129622TB

Tot Ion:165 Resp: 19317
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.8 50.8#
 89 0.0 60.4 90.6#
 182 0.0 2.6 3.8#

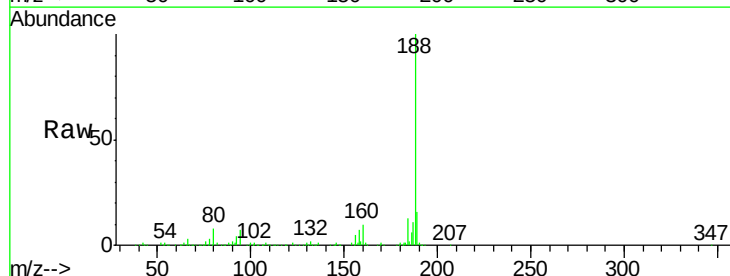


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

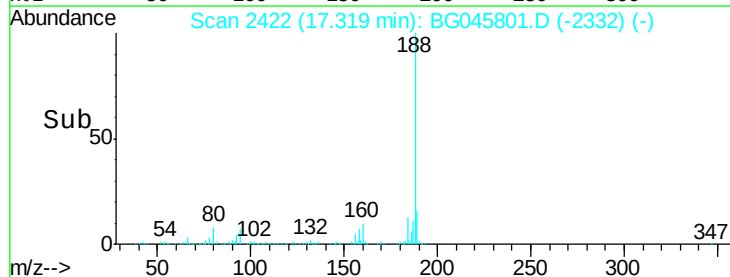
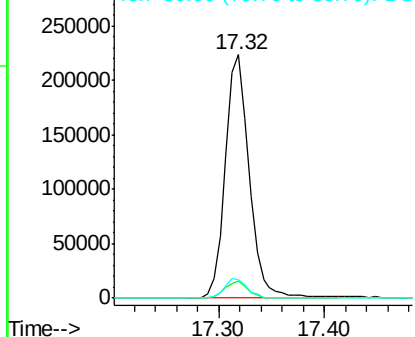


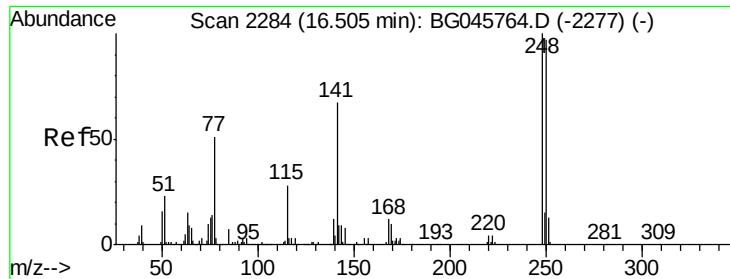
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BG045801.D
 Acq: 18 Jun 2020 20:21

Tgt Ion:188 Resp: 350433
 Ion Ratio Lower Upper
 188 100
 94 6.9 5.1 7.7
 80 7.7 6.2 9.4



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

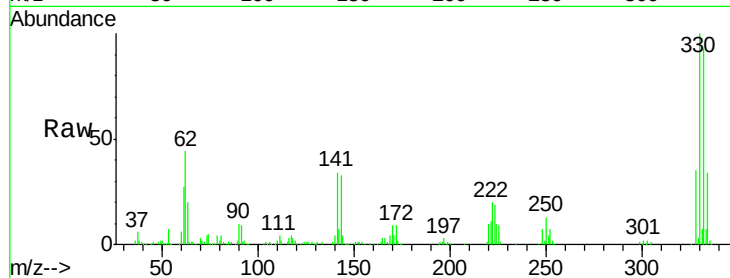




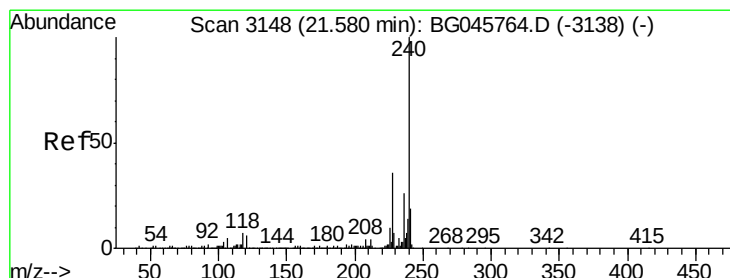
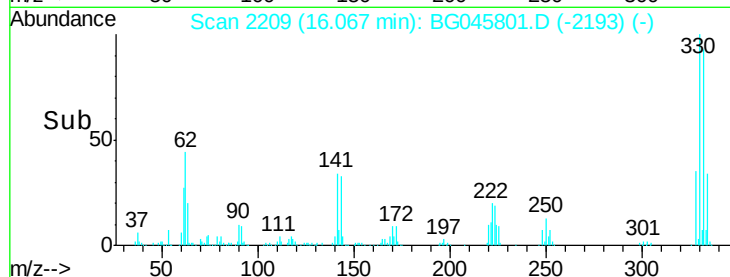
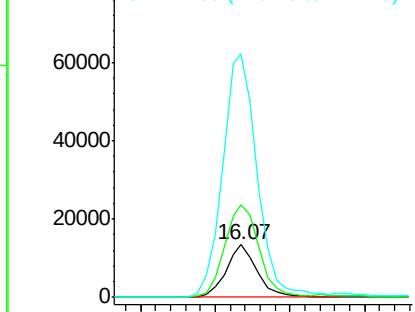
#67
4-Bromophenyl-phenylether
Concen: 4.319 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.44 min
Lab File: BG045801.D
Acq: 18 Jun 2020 20:21

Instrument :
BNA_G
ClientSampleId :
PB129622TB

Tot Ion:248 Resp: 19666
Ion Ratio Lower Upper
248 100
250 175.4 78.0 117.0#
141 464.3 53.9 80.9#

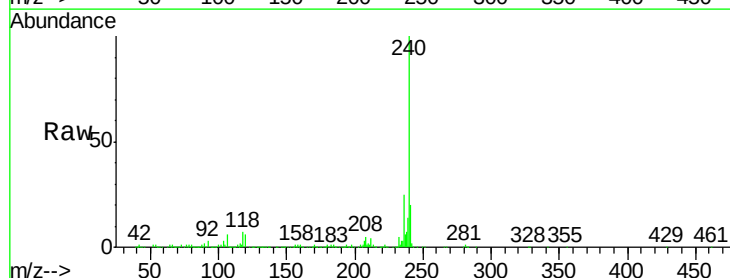


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

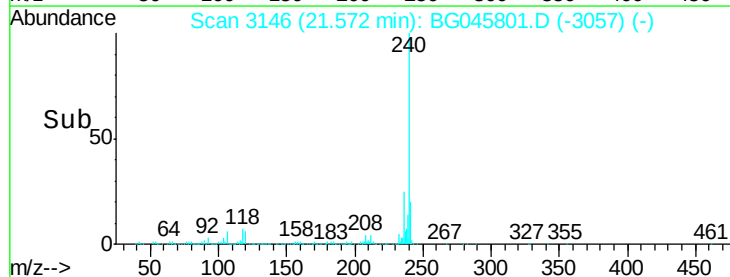
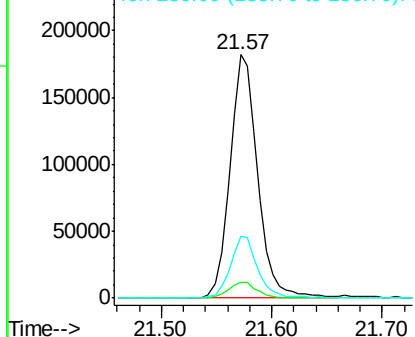


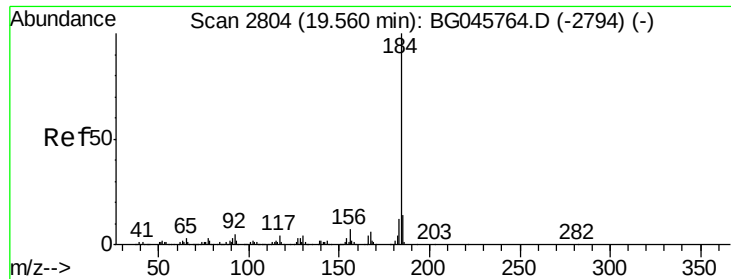
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.01 min
Lab File: BG045801.D
Acq: 18 Jun 2020 20:21

Tgt Ion:240 Resp: 319744
Ion Ratio Lower Upper
240 100
120 6.3 5.0 7.4
236 25.2 20.6 30.8



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





#77

Benzidine

Concen: 3.284 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.37 min

Lab File: BG045801.D

Acq: 18 Jun 2020 20:21

Instrument :

BNA_G

ClientSampleId :

PB129622TB

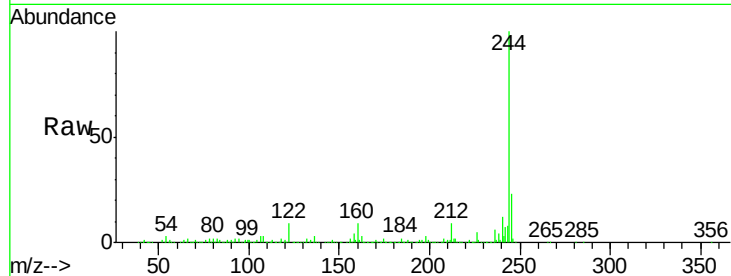
Tot Ion:184 Resp: 27300

Ion Ratio Lower Upper

184 100

185 16.2 11.1 16.7

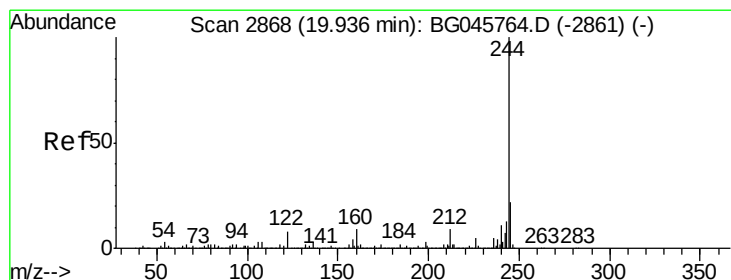
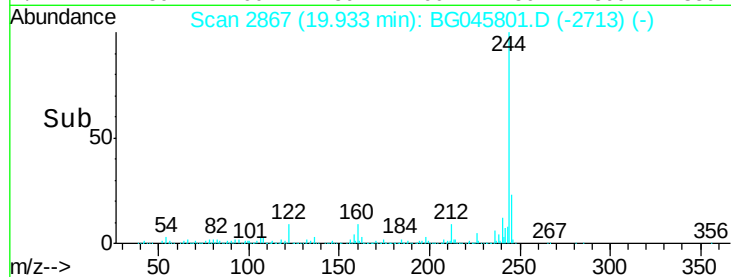
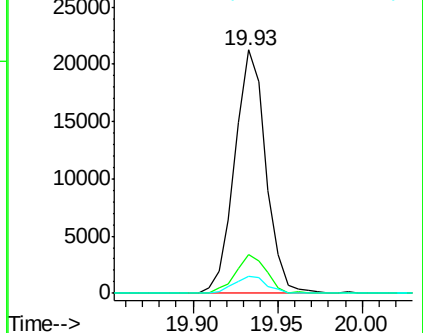
183 7.1 9.7 14.5#



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: 98.706 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045801.D

Acq: 18 Jun 2020 20:21

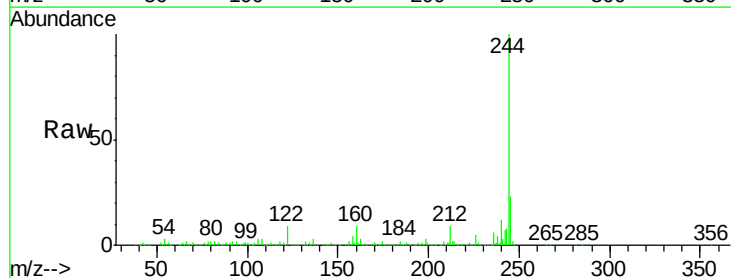
Tgt Ion:244 Resp: 1557321

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

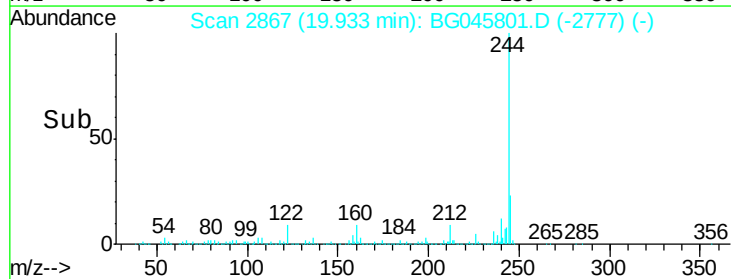
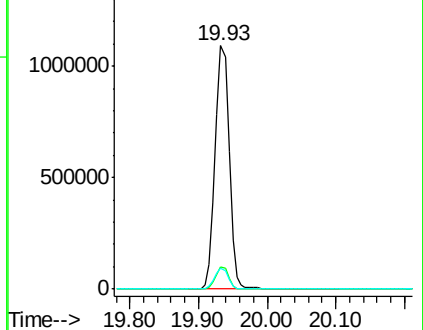
122 8.7 6.4 9.6

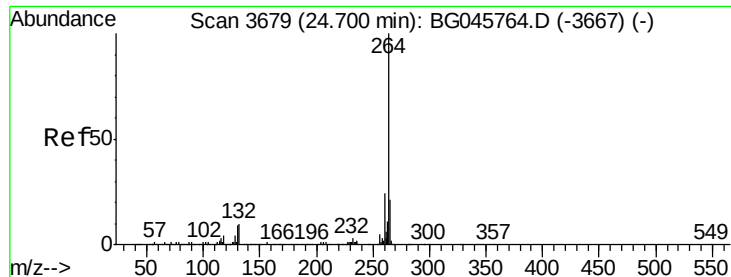


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.70 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BG045801.D
Acq: 18 Jun 2020 20:21

Instrument :
BNA_G
ClientSampleId :
PB129622TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	21.5	17.4	26.0

