

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045937.D
 Acq On : 3 Jul 2020 7:27
 Operator : CG/JU
 Sample : L3197-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-2-COMP

Quant Time: Jul 04 00:12:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 14:02:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	45205	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	174195	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	119815	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	288830	20.00	ng	0.00
76) Chrysene-d12	21.51	240	335153	20.00	ng	0.00
86) Perylene-d12	24.59	264	339750	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	370654	138.51	ng	0.00
7) Phenol-d6	7.07	99	447348	109.90	ng	0.00
23) Nitrobenzene-d5	9.02	82	419081	109.91	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	267931	148.12	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	904500	110.94	ng	0.00
79) Terphenyl-d14	19.88	244	1805955	109.20	ng	0.00

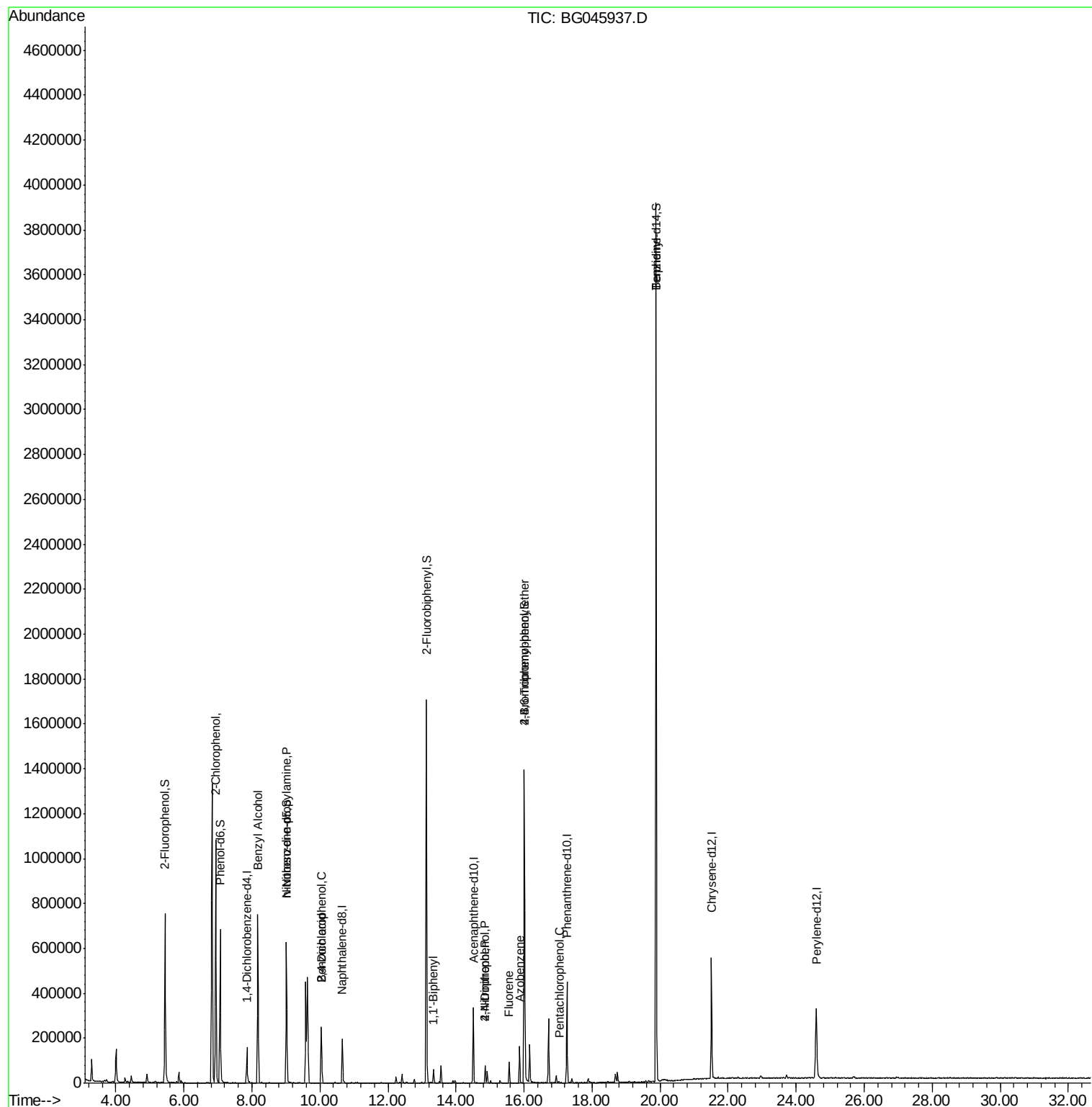
Target Compounds				Qvalue		
8) 2-Chlorophenol	6.94	128	60393	21.084	ng	# 56
15) Benzyl Alcohol	8.17	79	7624	2.420	ng	# 64
19) n-Nitroso-di-n-propylamine	9.01	70	59191	22.118	ng	# 79
29) 2,4-Dichlorophenol	10.04	162	28350	9.396	ng	# 41
32) Benzoic acid	10.04	122	116	9.034	ng	# 28
46) 1,1'-Biphenyl	13.34	154	32550	3.795	ng	# 98
54) 2,4-Dinitrophenol	14.86	184	59	9.870	ng	# 1
56) 4-Nitrophenol	14.86	139	512	4.296	ng	# 1
58) Fluorene	15.56	166	46054	5.068	ng	# 93
63) Azobenzene	15.87	77	52310	5.678	ng	# 1
67) 4-Bromophenyl-phenylether	16.01	248	19039	5.073	ng	# 1
70) Pentachlorophenol	17.06	266	61	7.661	ng	# 20
77) Benzidine	19.88	184	33238	3.815	ng	# 84

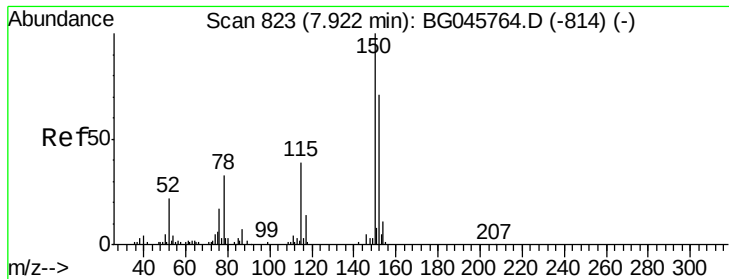
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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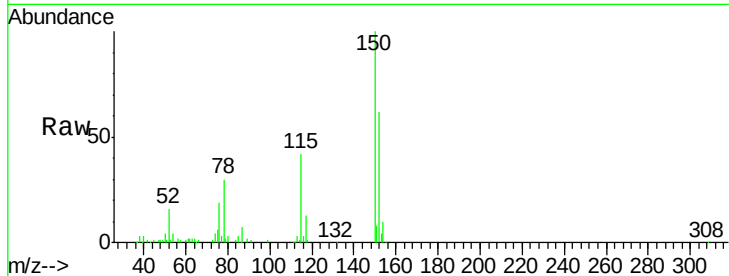


#1

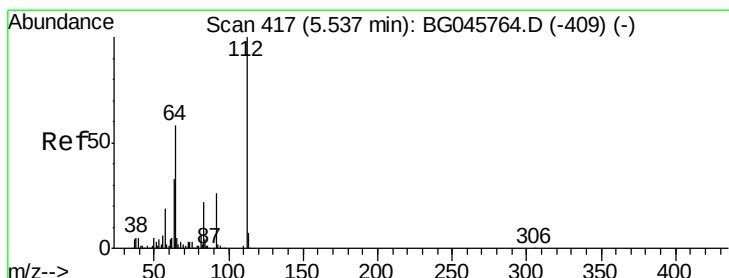
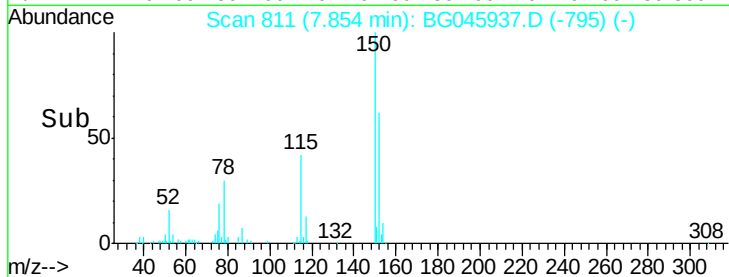
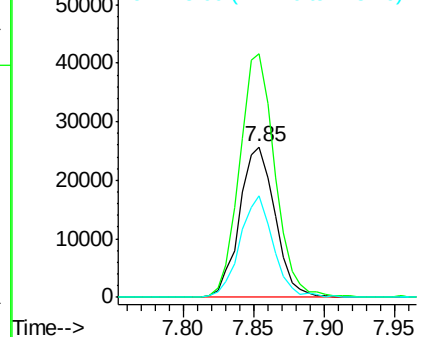
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.00 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

Instrument :
BNA_G
ClientSampleId :
MH-2-COMP

Tot Ion:152 Resp: 45205
Ion Ratio Lower Upper
152 100
150 162.0 124.5 186.7
115 67.3 45.8 68.8



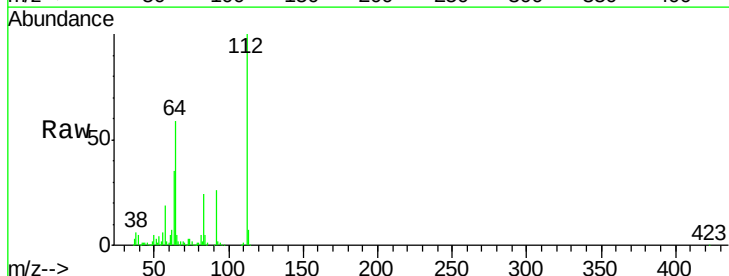
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



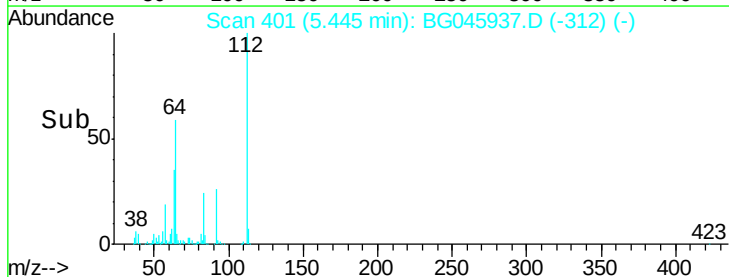
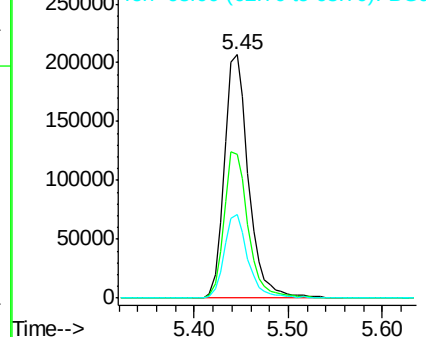
#5

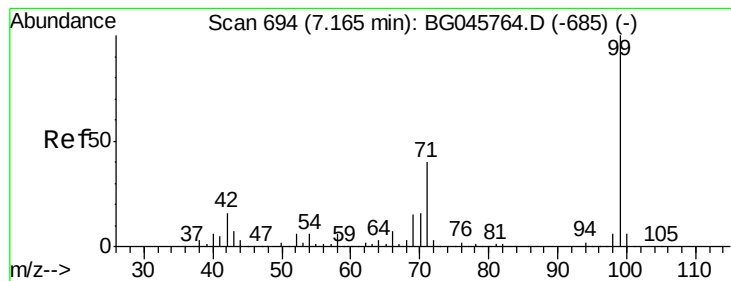
2-Fluorophenol
Concen: 138.507 ng
RT: 5.45 min Scan# 401
Delta R.T. -0.01 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

Tgt Ion:112 Resp: 370654
Ion Ratio Lower Upper
112 100
64 58.9 44.9 67.3
63 34.5 26.9 40.3



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: 109.899 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG045937.D

Acq: 3 Jul 2020 7:27

Instrument :

BNA_G

ClientSampleId :

MH-2-COMP

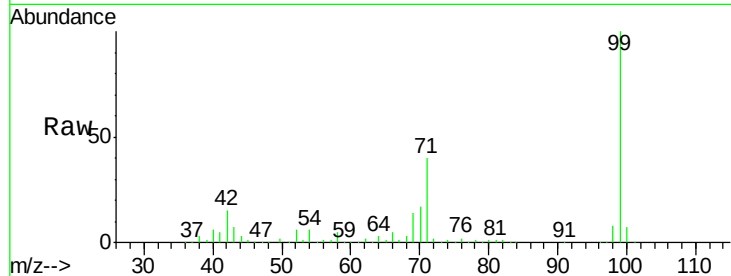
Tot Ion: 99 Resp: 447348

Ion Ratio Lower Upper

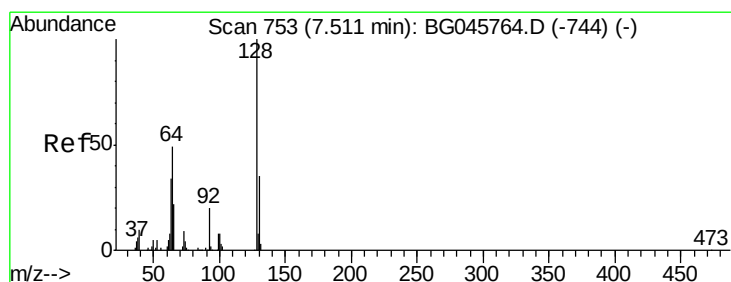
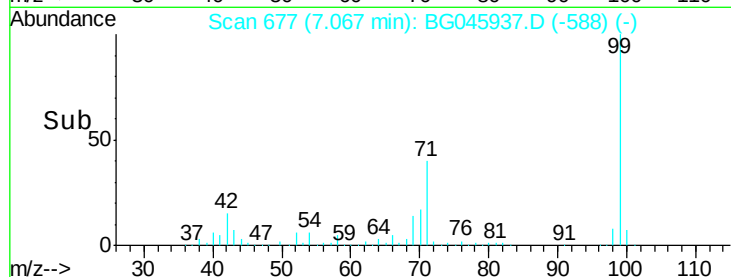
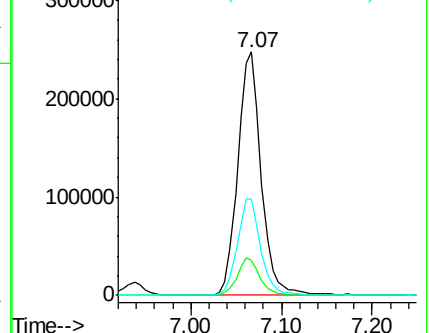
99 100

42 14.5 11.8 17.8

71 39.6 31.0 46.6



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



#8

2-Chlorophenol

Concen: 21.084 ng

RT: 6.94 min Scan# 655

Delta R.T. -0.50 min

Lab File: BG045937.D

Acq: 3 Jul 2020 7:27

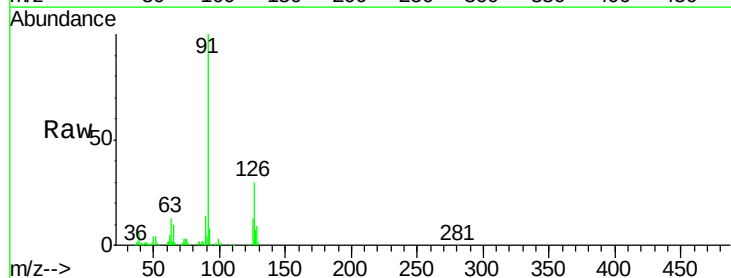
Tgt Ion:128 Resp: 60393

Ion Ratio Lower Upper

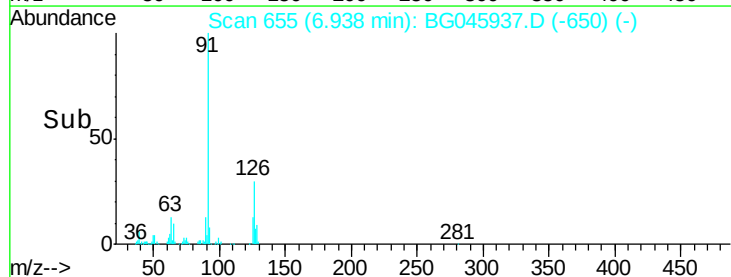
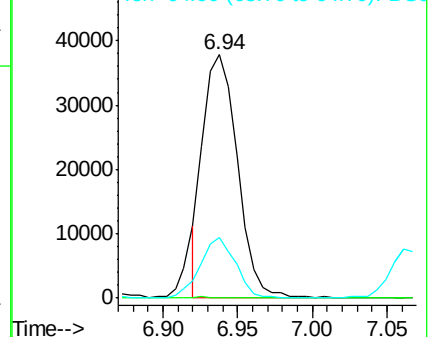
128 100

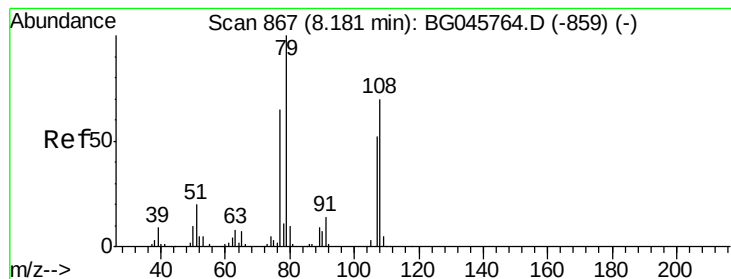
130 0.0 13.7 53.7#

64 24.9 26.7 66.7#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BGC





#15

Benzyl Alcohol

Concen: 2.420 ng

RT: 8.17 min Scan# 865

Delta R.T. 0.06 min

Lab File: BG045937.D

Acq: 3 Jul 2020 7:27

Instrument :

BNA_G

ClientSampled :

MH-2-COMP

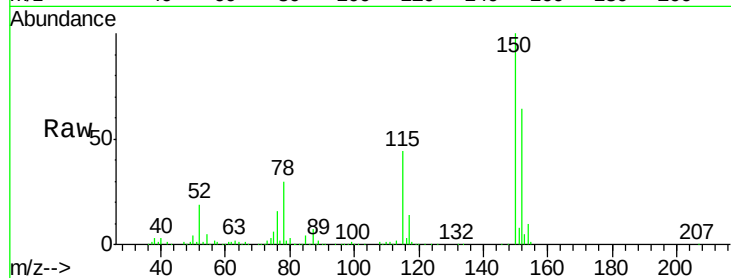
Tot Ion: 79 Resp: 7624

Ion Ratio Lower Upper

79 100

108 33.0 50.7 76.1#

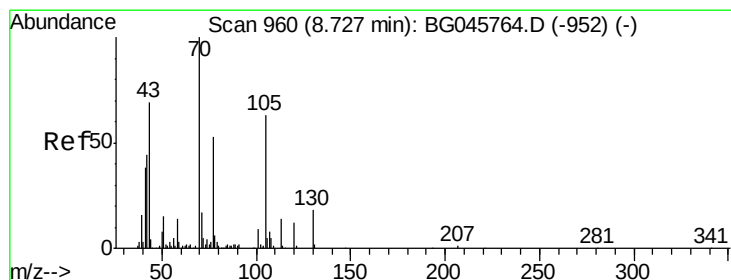
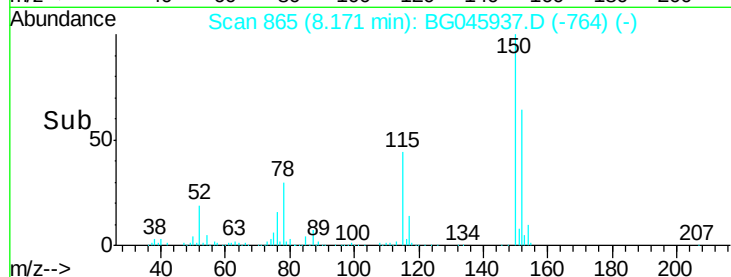
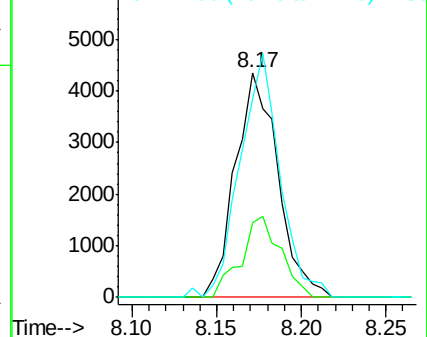
77 88.6 50.4 75.6#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 22.118 ng

RT: 9.01 min Scan# 1008

Delta R.T. 0.34 min

Lab File: BG045937.D

Acq: 3 Jul 2020 7:27

Tgt Ion: 70 Resp: 59191

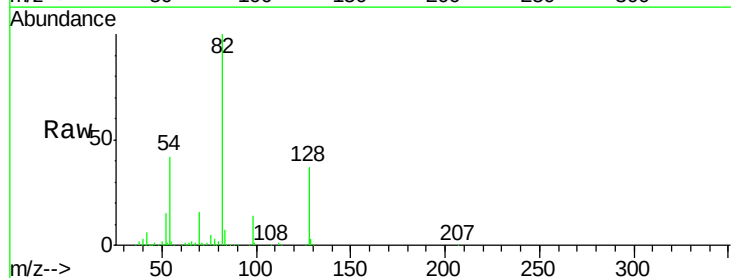
Ion Ratio Lower Upper

70 100

42 35.5 35.6 53.4#

101 0.0 6.6 10.0#

130 1.3 14.8 22.2#

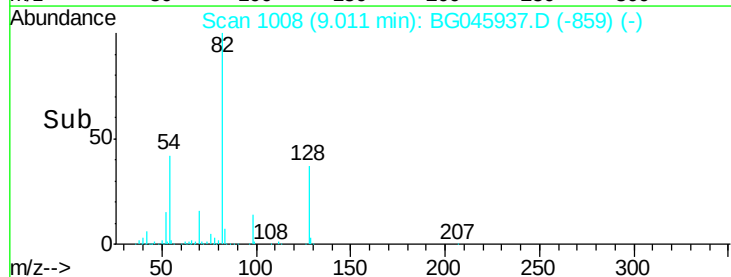
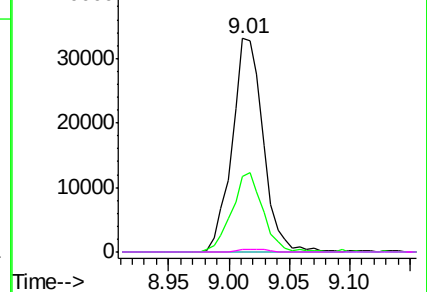


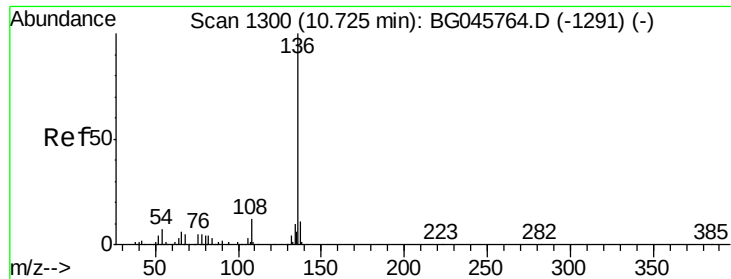
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

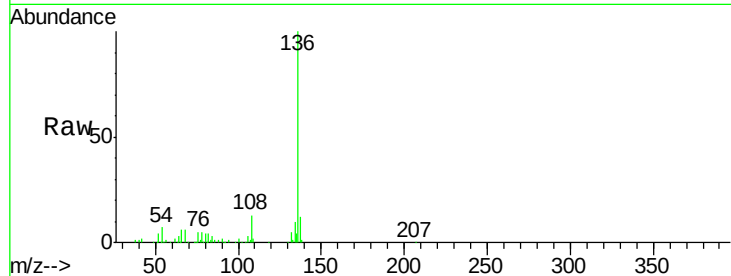




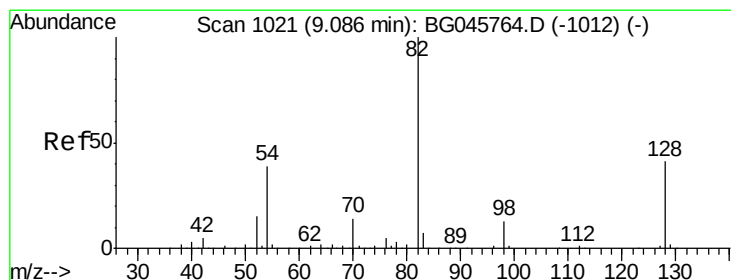
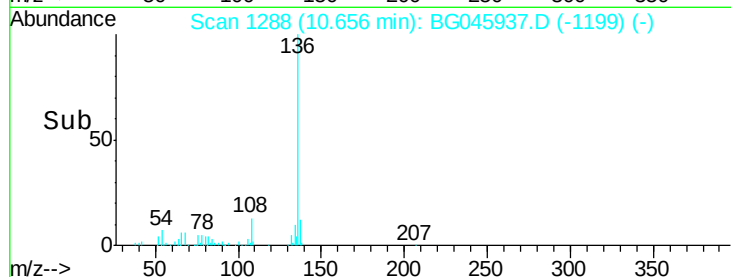
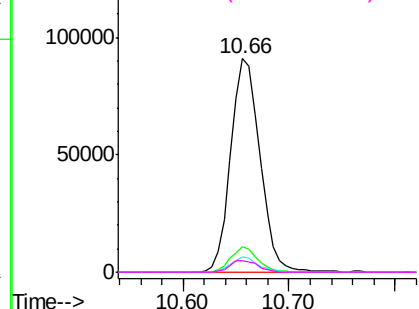
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

Instrument :
BNA_G
ClientSampleId :
MH-2-COMP

Tot Ion:136	Resp:	174195
Ion	Ratio	Lower Upper
136	100	
137	12.1	8.2 12.4
54	6.9	4.6 7.0
68	5.6	5.0 7.4

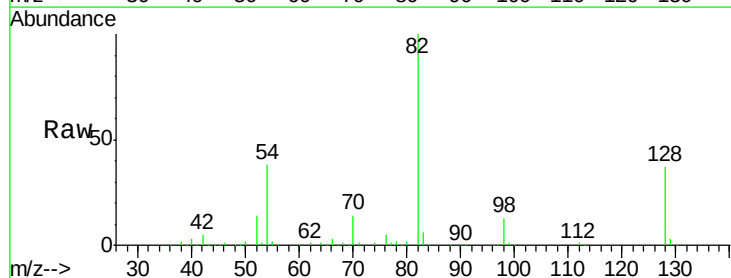


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

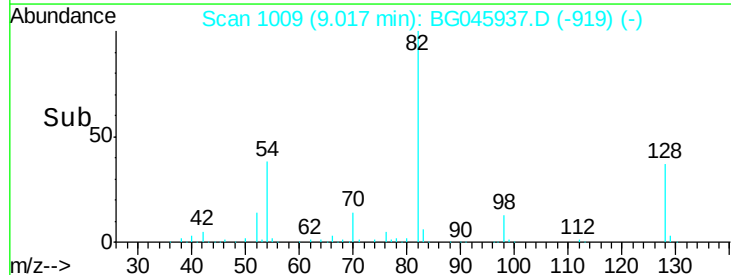
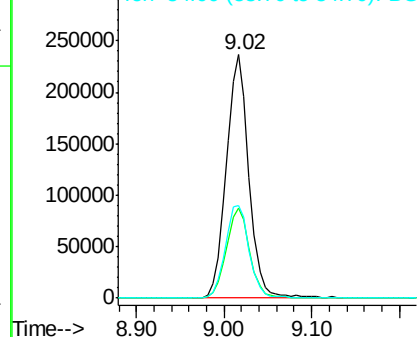


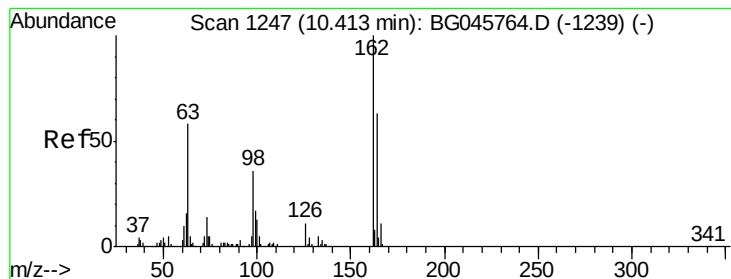
#23
Nitrobenzene-d5
Concen: 109.906 ng
RT: 9.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

Tgt Ion: 82	Resp:	419081
Ion	Ratio	Lower Upper
82	100	
128	37.2	29.9 44.9
54	38.3	33.3 49.9



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





#29

2,4-Dichlorophenol

Concen: 9.396 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.30 min

Lab File: BG045937.D

Acq: 3 Jul 2020 7:27

Instrument :

BNA_G

ClientSampleId :

MH-2-COMP

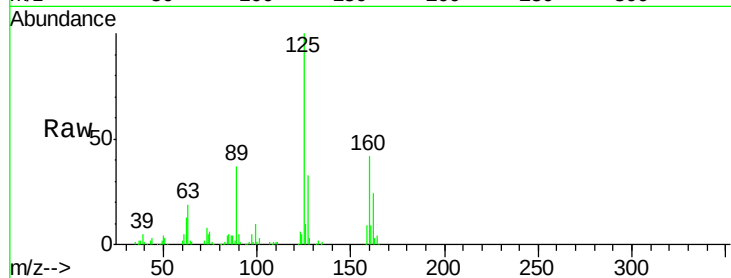
Tot Ion:162 Resp: 28350

Ion Ratio Lower Upper

162 100

164 15.6 41.9 81.9#

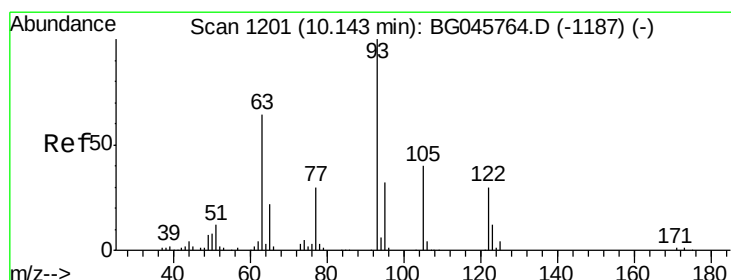
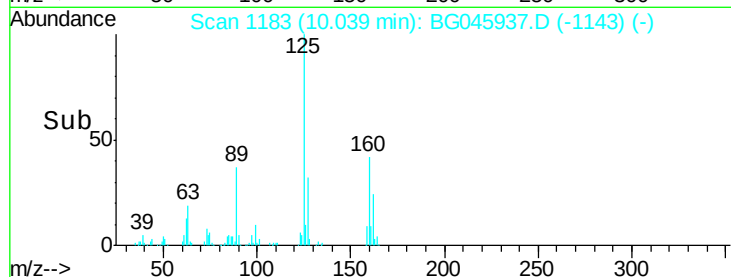
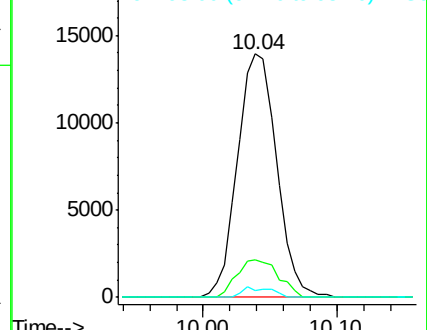
98 2.6 17.1 57.1#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#32

Benzoic acid

Concen: 9.034 ng

RT: 10.04 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BG045937.D

Acq: 3 Jul 2020 7:27

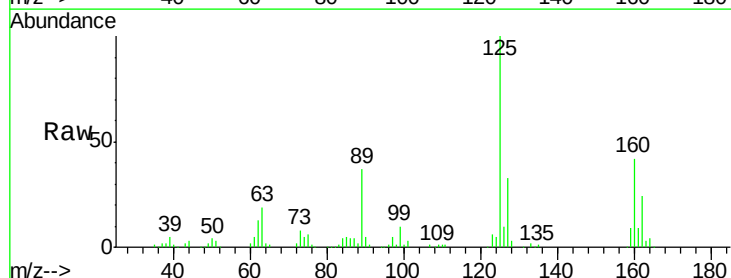
Tgt Ion:122 Resp: 116

Ion Ratio Lower Upper

122 100

105 0.0 123.1 163.1#

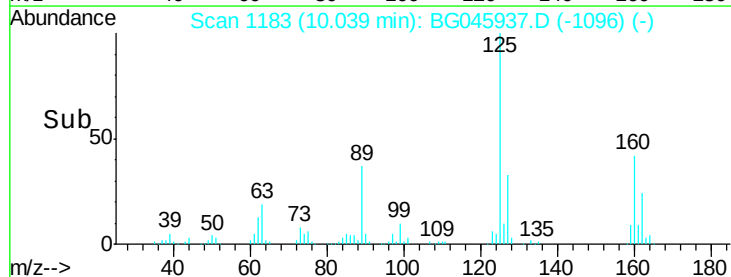
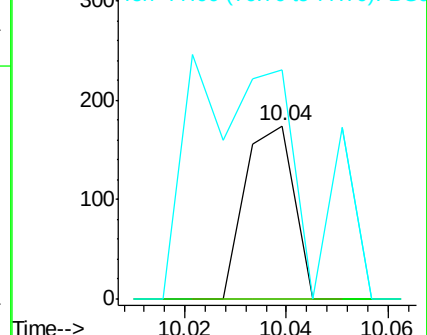
77 132.8 93.9 133.9

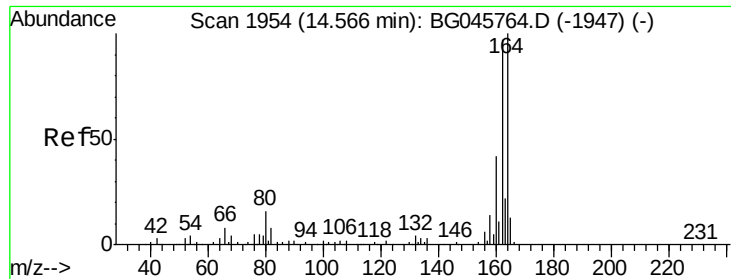


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

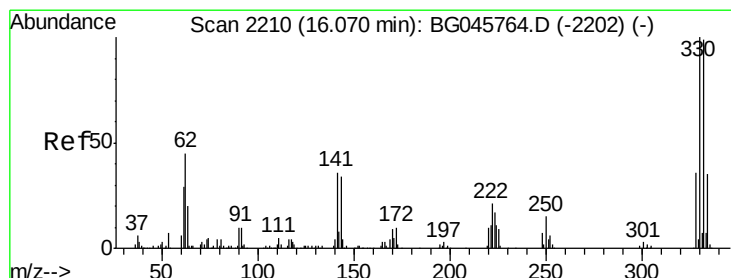
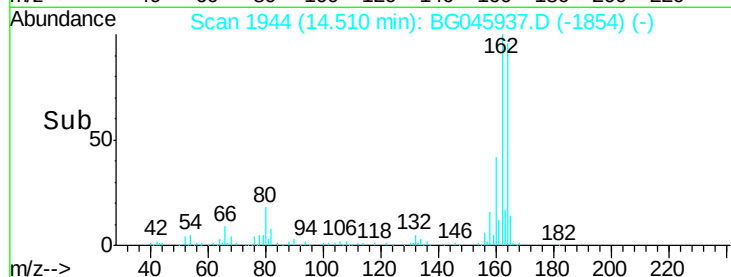
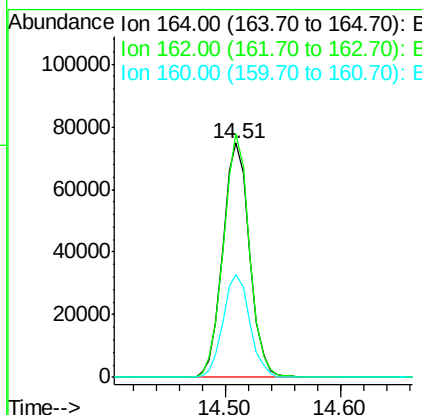
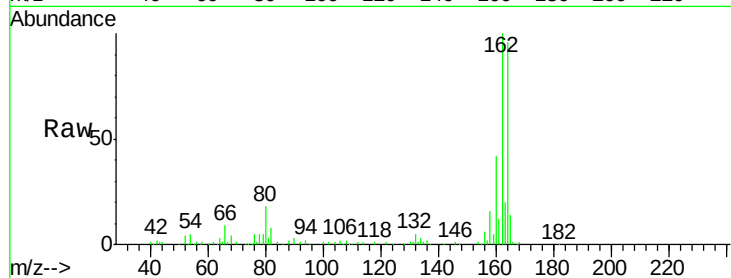




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.51 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

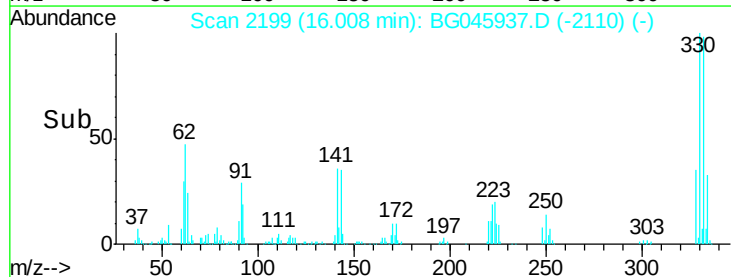
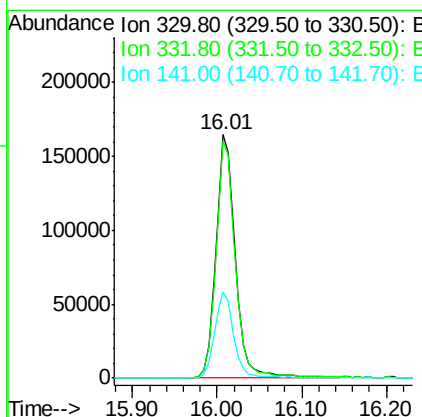
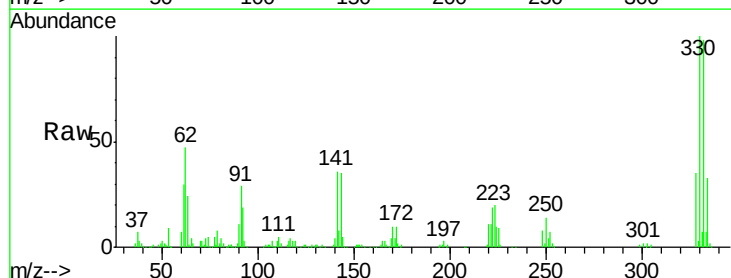
Instrument :
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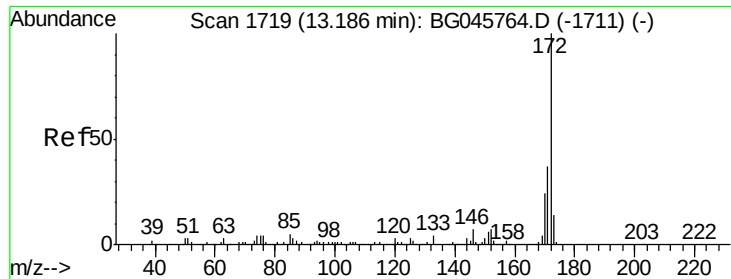
Tot Ion:164 Resp: 119815
Ion Ratio Lower Upper
164 100
162 103.8 78.8 118.2
160 43.9 33.8 50.6



#42
2,4,6-Tribromophenol
Concen: 148.119 ng
RT: 16.01 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

Tgt Ion:330 Resp: 267931
Ion Ratio Lower Upper
330 100
332 96.0 79.4 119.0
141 34.9 28.2 42.2

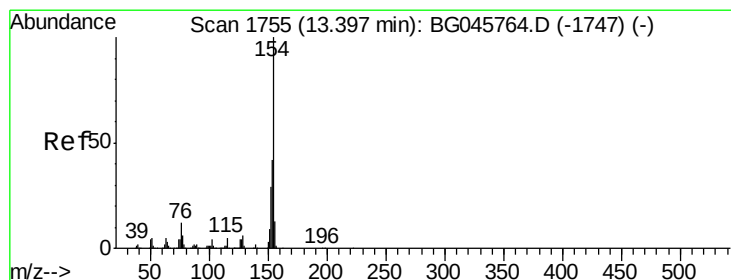
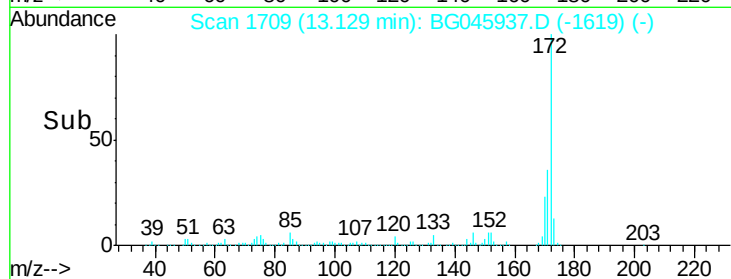
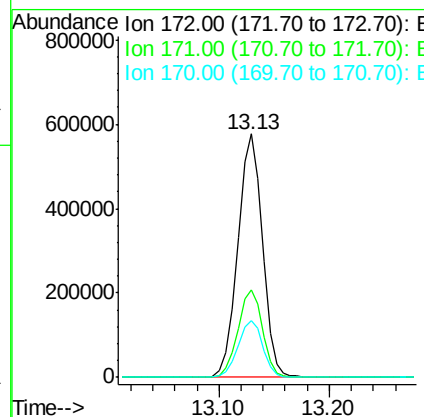
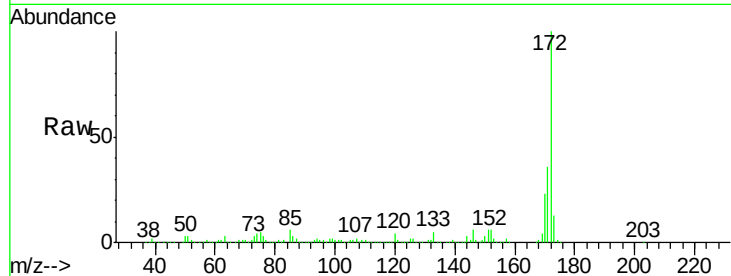




#45
 2-Fluorobiphenyl
 Concen: 110.939 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG045937.D
 Acq: 3 Jul 2020 7:27

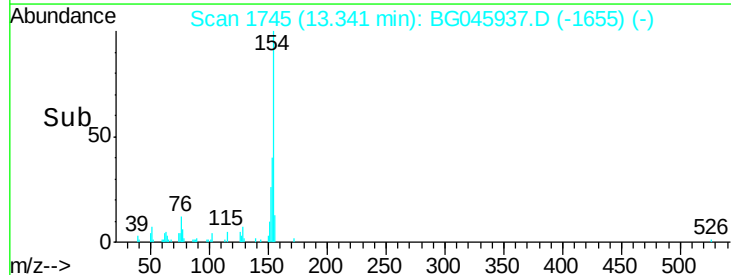
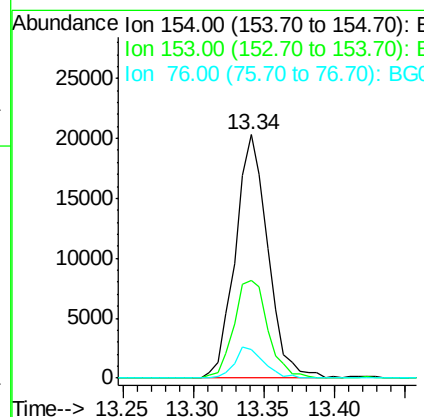
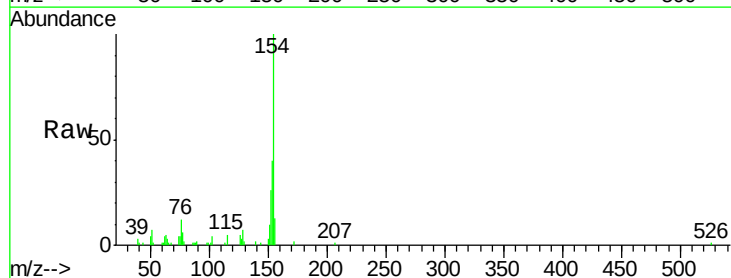
Instrument :
 BNA_G
 ClientSampleId :
 MH-2-COMP

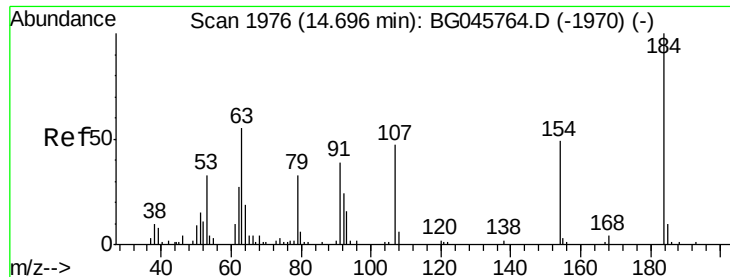
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	23.3	18.9	28.3



#46
 1,1'-Biphenyl
 Concen: 3.795 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: BG045937.D
 Acq: 3 Jul 2020 7:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	21.3	61.3
76	11.8	0.0	32.9

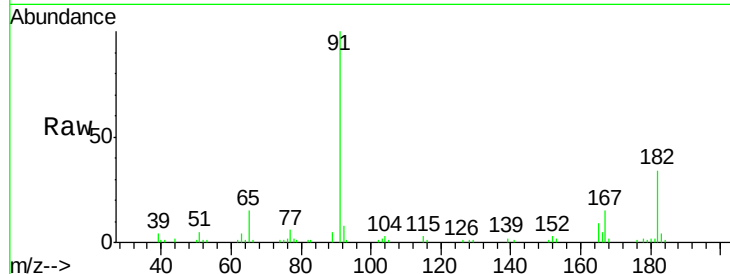




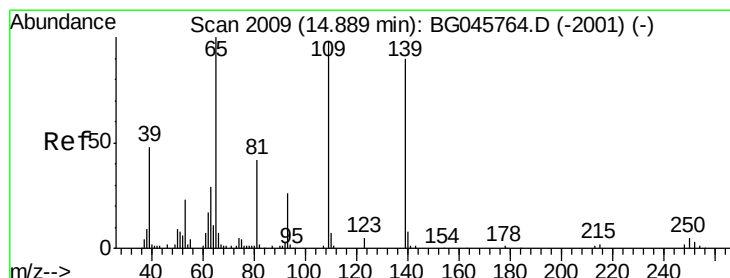
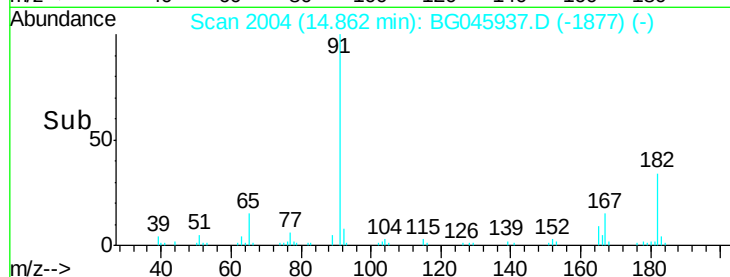
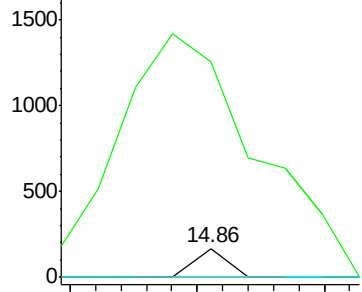
#54
 2,4-Dinitrophenol
 Concen: 9.870 ng
 RT: 14.86 min Scan# 2004
 Delta R.T. 0.21 min
 Lab File: BG045937.D
 Acq: 3 Jul 2020 7:27

Instrument :
 BNA_G
 ClientSampleId :
 MH-2-COMP

Tot Ion:184 Resp: 59
 Ion Ratio Lower Upper
 184 100
 63 746.4 49.4 74.0#
 154 0.0 59.8 89.8#

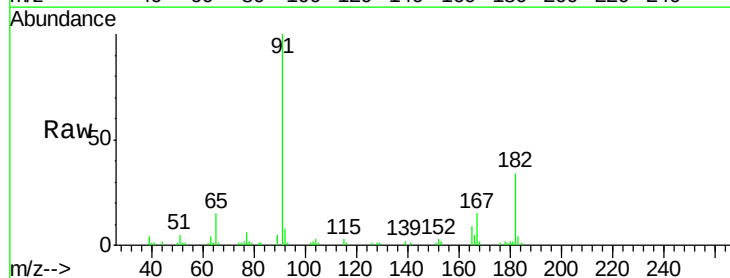


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

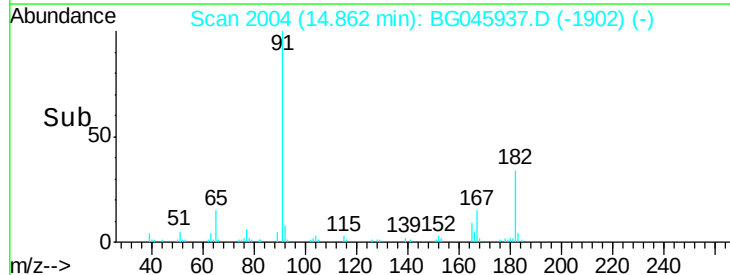
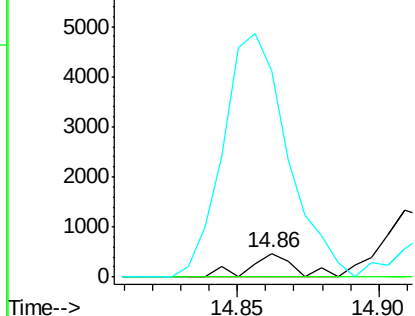


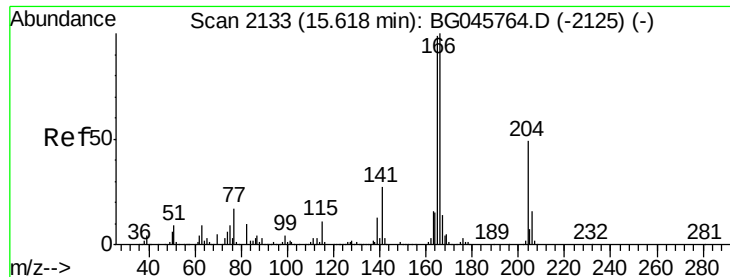
#56
 4-Nitrophenol
 Concen: 4.296 ng
 RT: 14.86 min Scan# 2004
 Delta R.T. 0.07 min
 Lab File: BG045937.D
 Acq: 3 Jul 2020 7:27

Tgt Ion:139 Resp: 512
 Ion Ratio Lower Upper
 139 100
 109 0.0 79.2 119.2#
 65 872.3 91.0 131.0#



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

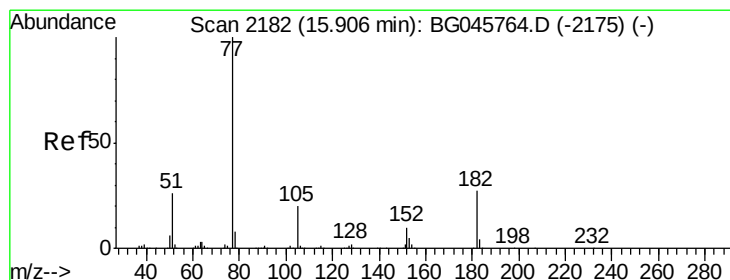
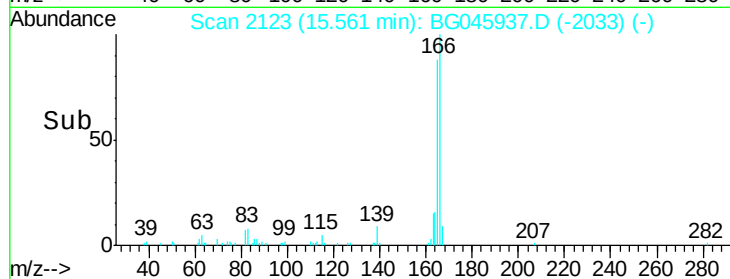
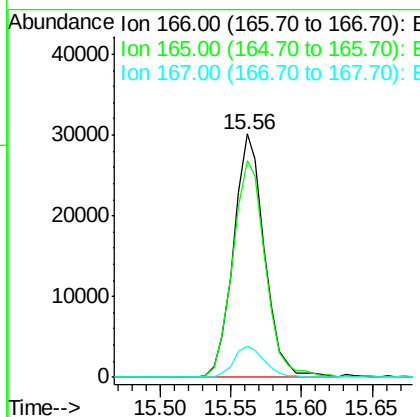
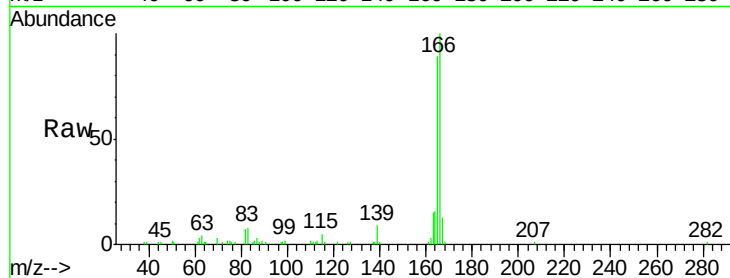




#58
 Fluorene
 Concen: 5.068 ng
 RT: 15.56 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: BG045937.D
 Acq: 3 Jul 2020 7:27

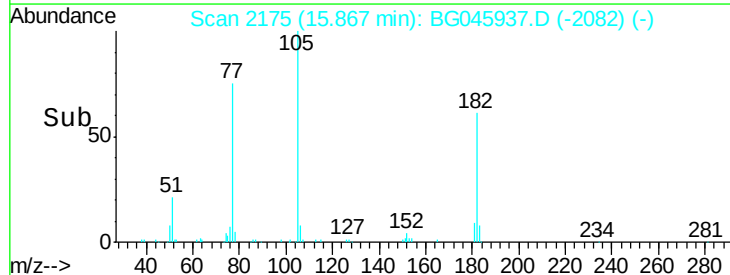
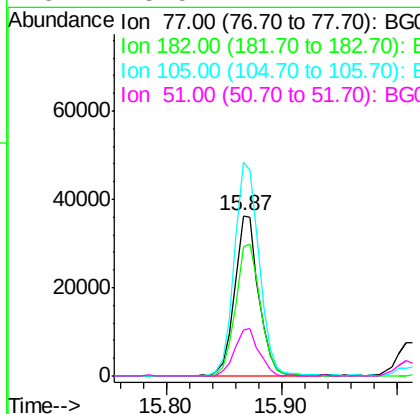
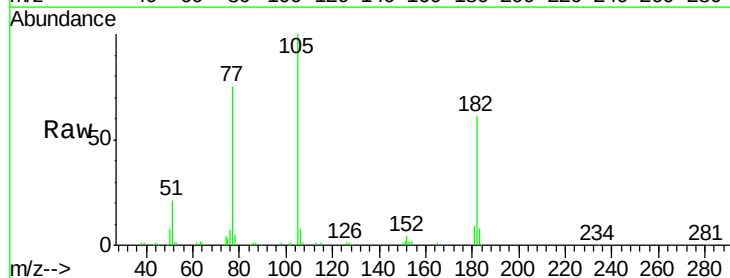
Instrument :
 BNA_G
 ClientSampleId :
 MH-2-COMP

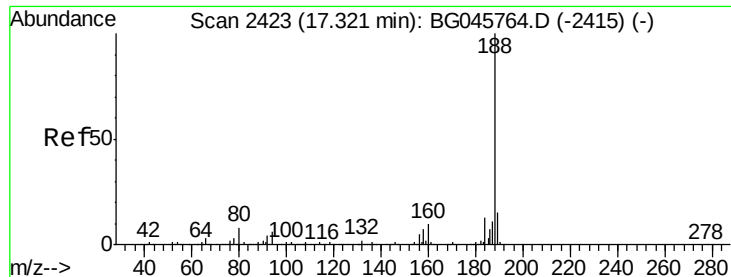
Tot Ion:166 Resp: 46054
 Ion Ratio Lower Upper
 166 100
 165 88.8 76.9 115.3
 167 12.8 11.3 16.9



#63
 Azobenzene
 Concen: 5.678 ng
 RT: 15.87 min Scan# 2175
 Delta R.T. 0.01 min
 Lab File: BG045937.D
 Acq: 3 Jul 2020 7:27

Tgt Ion: 77 Resp: 52310
 Ion Ratio Lower Upper
 77 100
 182 80.7 6.0 46.0#
 105 133.2 0.0 38.0#
 51 28.5 4.7 44.7

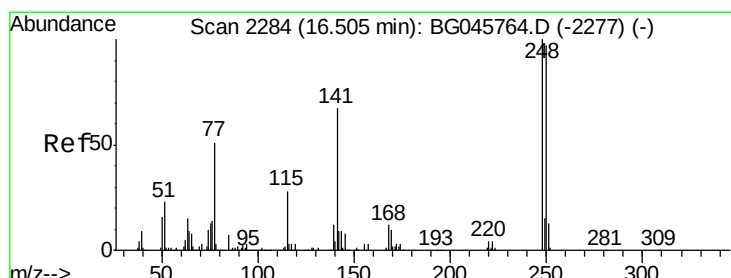
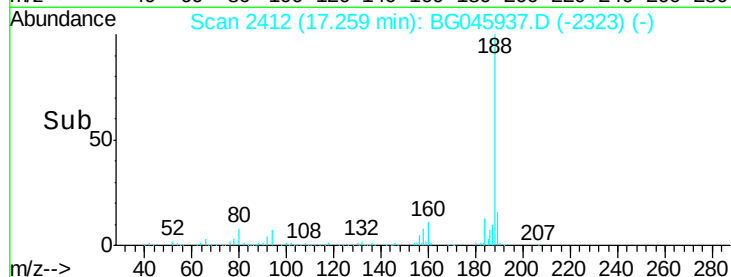
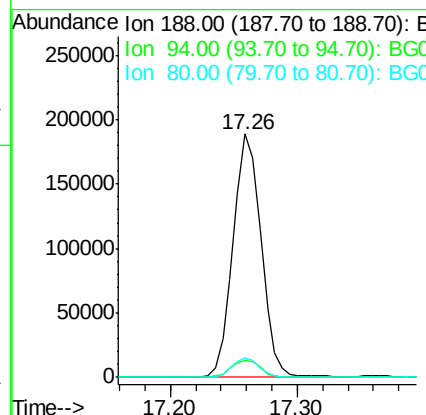
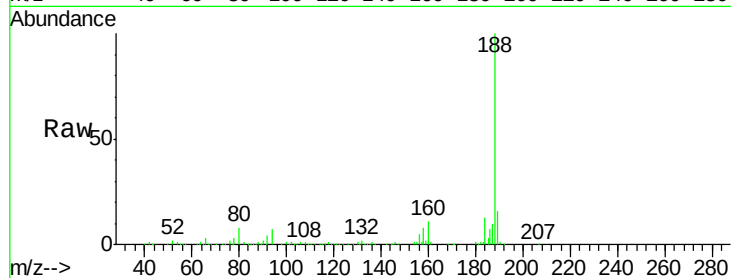




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.26 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

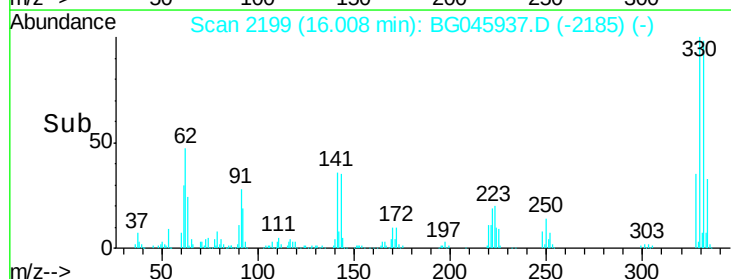
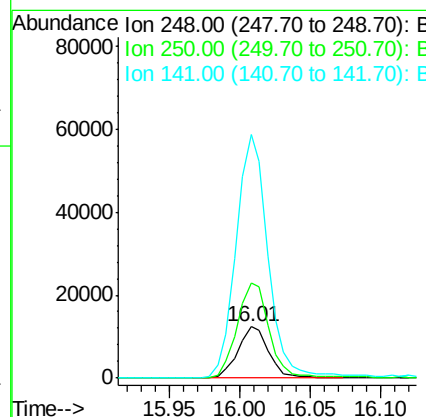
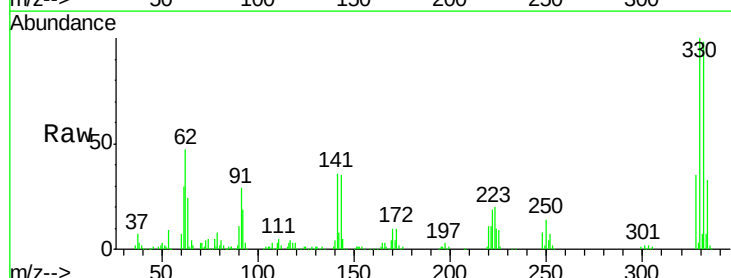
Instrument :
BNA_G
ClientSampleId :
MH-2-COMP

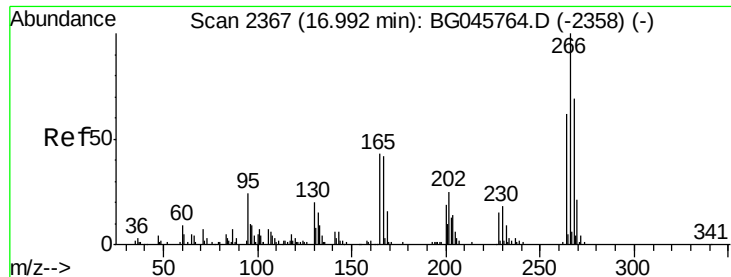
Tot Ion:188 Resp: 288830
Ion Ratio Lower Upper
188 100
94 6.9 5.5 8.3
80 7.9 6.1 9.1



#67
4-Bromophenyl-phenylether
Concen: 5.073 ng
RT: 16.01 min Scan# 2199
Delta R.T. -0.45 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

Tgt Ion:248 Resp: 19039
Ion Ratio Lower Upper
248 100
250 183.6 77.2 115.8#
141 472.2 52.6 79.0#

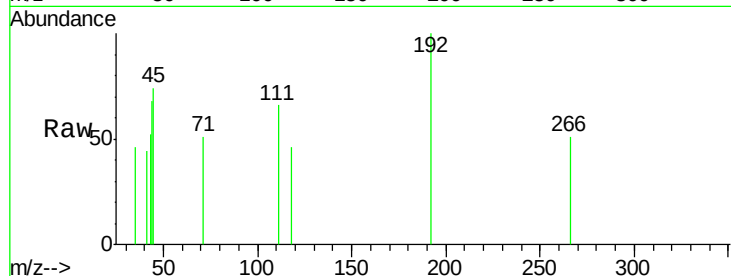




#70
 Pentachlorophenol
 Concen: 7.661 ng
 RT: 17.06 min Scan# 2378
 Delta R.T. 0.12 min
 Lab File: BG045937.D
 Acq: 3 Jul 2020 7:27

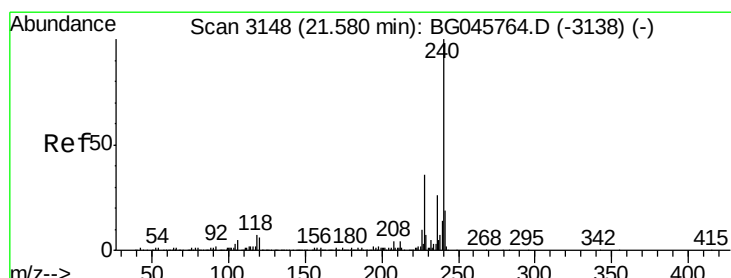
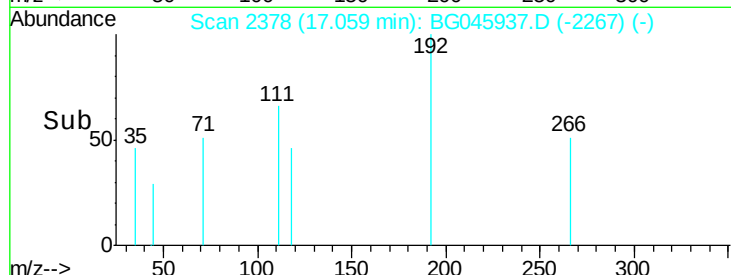
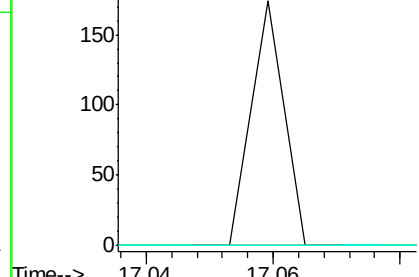
Instrument :
 BNA_G
 ClientSampleId :
 MH-2-COMP

Tot Ion:266 Resp: 61
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.5 75.7#
 264 0.0 47.0 70.6#



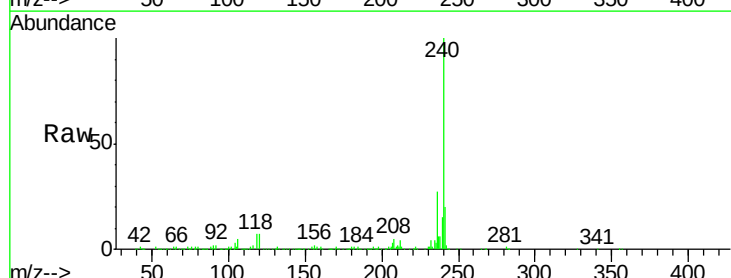
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

17.06



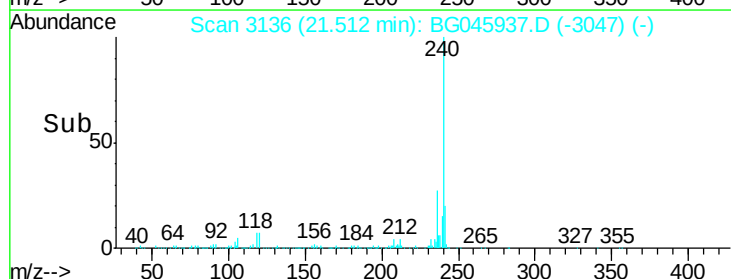
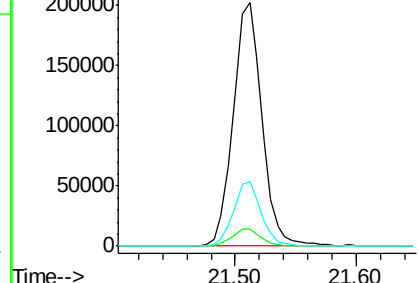
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.51 min Scan# 3136
 Delta R.T. -0.01 min
 Lab File: BG045937.D
 Acq: 3 Jul 2020 7:27

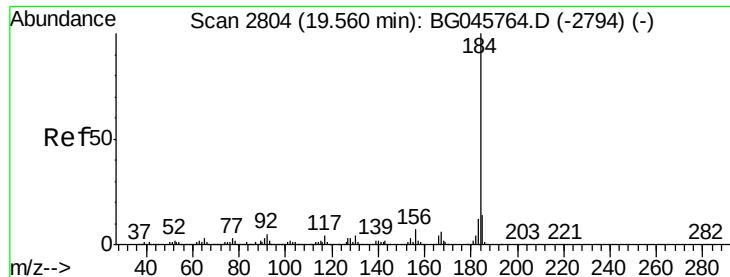
Tgt Ion:240 Resp: 335153
 Ion Ratio Lower Upper
 240 100
 120 7.0 5.2 7.8
 236 26.5 20.8 31.2



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

21.51





#77

Benzidine

Concen: 3.815 ng

RT: 19.88 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG045937.D

Acq: 3 Jul 2020 7:27

Instrument :

BNA_G

ClientSampleId :

MH-2-COMP

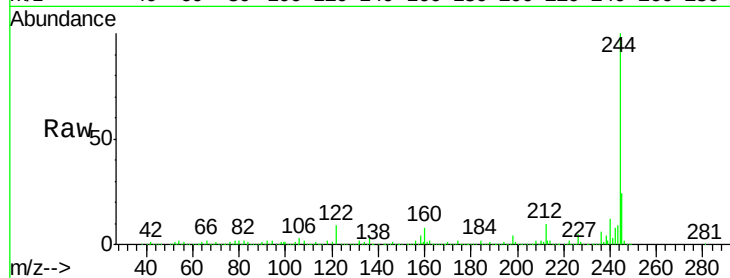
Tot Ion:184 Resp: 33238

Ion Ratio Lower Upper

184 100

185 13.8 11.1 16.7

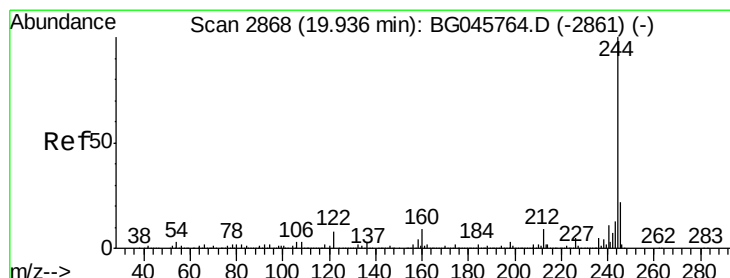
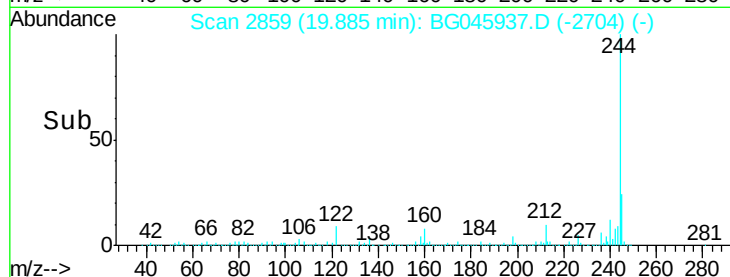
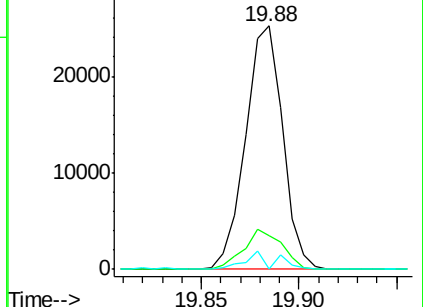
183 0.0 10.6 15.8#



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: 109.202 ng

RT: 19.88 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG045937.D

Acq: 3 Jul 2020 7:27

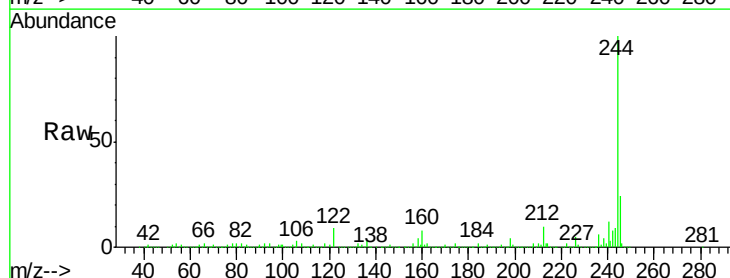
Tgt Ion:244 Resp: 1805955

Ion Ratio Lower Upper

244 100

212 9.8 7.0 10.6

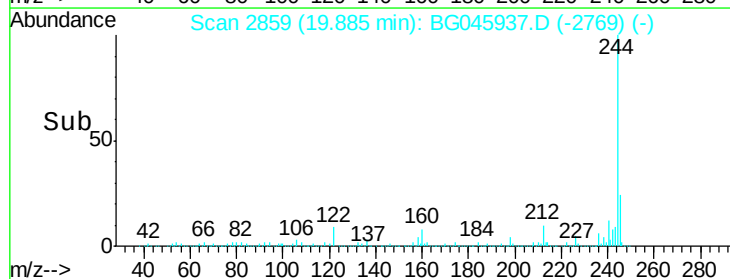
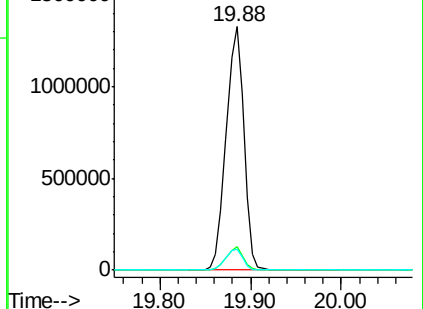
122 8.5 6.6 9.8

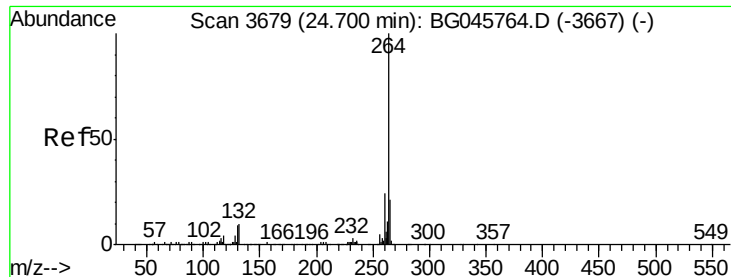


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.59 min Scan# 3660
Delta R.T. -0.01 min
Lab File: BG045937.D
Acq: 3 Jul 2020 7:27

Instrument :
BNA_G
ClientSampleId :
MH-2-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.5	27.7
265	21.3	16.4	24.6

