

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042321\
 Data File : BG048873.D
 Acq On : 23 Apr 2021 21:33
 Operator : CG/JU
 Sample : M2040-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FILL-C

Quant Time: Apr 23 23:34:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 17:33:30 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

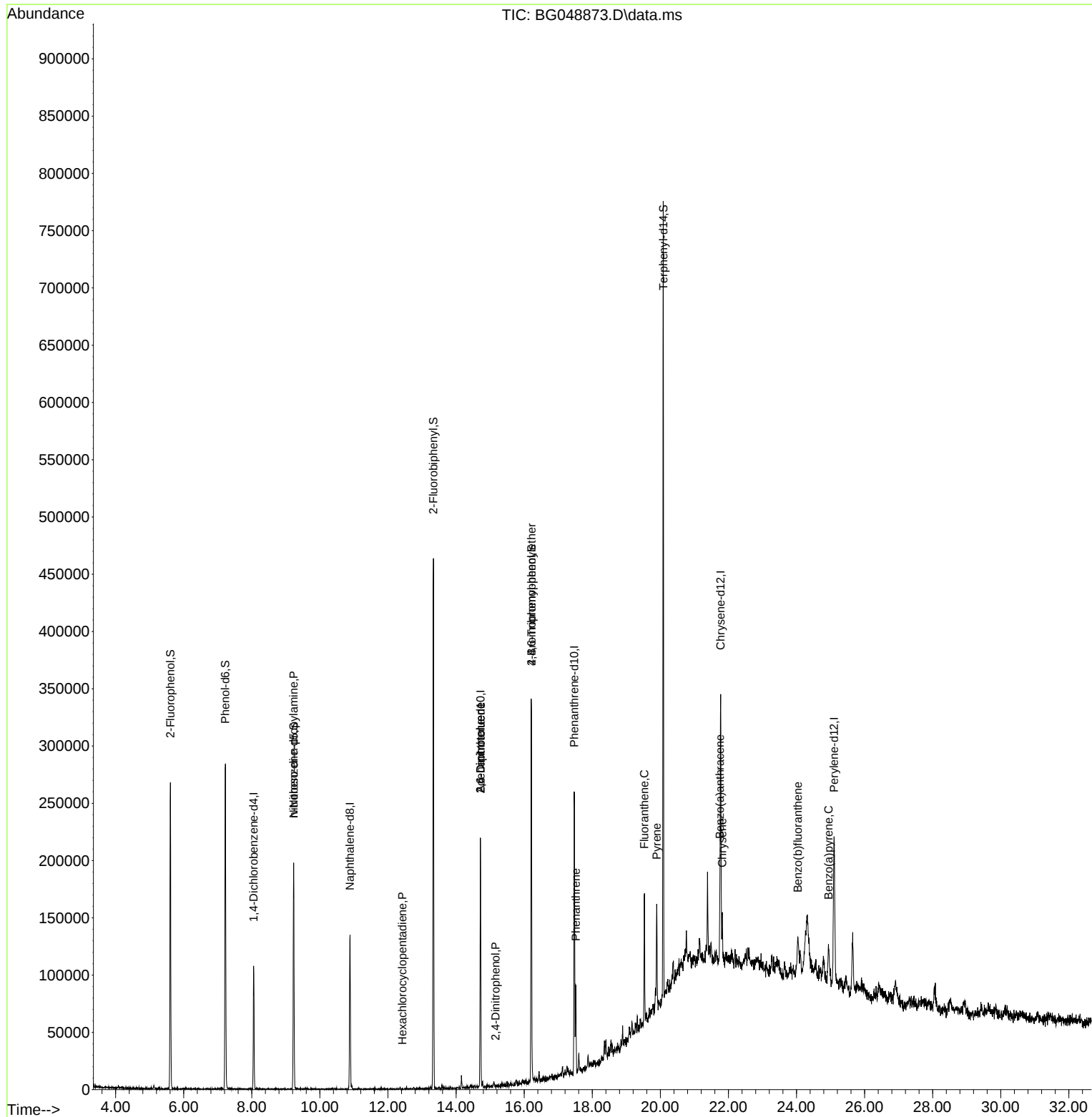
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.053	152	26942	20.00	ng	0.00
21) Naphthalene-d8	10.885	136	109065	20.00	ng	# 0.00
39) Acenaphthene-d10	14.716	164	70405	20.00	ng	0.00
64) Phenanthrene-d10	17.472	188	149068	20.00	ng	# 0.00
76) Chrysene-d12	21.772	240	132939	20.00	ng	# 0.00
86) Perylene-d12	25.104	264	133382	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.609	112	104561	64.91	ng	0.00
7) Phenol-d6	7.219	99	143349	62.91	ng	0.00
23) Nitrobenzene-d5	9.228	82	111791	45.89	ng	0.00
42) 2,4,6-Tribromophenol	16.214	330	52871	56.01	ng	0.00
45) 2-Fluorobiphenyl	13.335	172	225349	46.22	ng	0.00
79) Terphenyl-d14	20.086	244	295249	38.23	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.228	70	17541	11.41	ng	# 69
41) Hexachlorocyclopentadiene	12.424	237	55	5.90	ng	# 31
51) 2,6-Dinitrotoluene	14.716	165	9819	8.06	ng	# 10
54) 2,4-Dinitrophenol	15.162	184	60	5.36	ng	# 8
57) 2,4-Dinitrotoluene	14.716	165	9819	5.55	ng	# 15
67) 4-Bromophenyl-phenylether	16.214	248	3998	2.33	ng	# 1
71) Phenanthrene	17.519	178	46867	6.06	ng	97
75) Fluoranthene	19.534	202	69403	7.09	ng	97
78) Pyrene	19.892	202	59867	6.51	ng	95
81) Benzo(a)anthracene	21.749	228	34581	3.81	ng	96
83) Chrysene	21.819	228	32224	3.72	ng	93
88) Benzo(b)fluoranthene	24.040	252	41489	4.59	ng	# 95
90) Benzo(a)pyrene	24.939	252	29544	3.54	ng	# 90

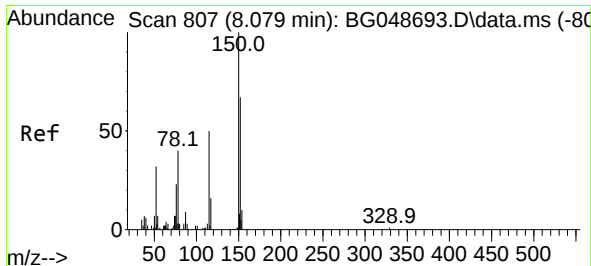
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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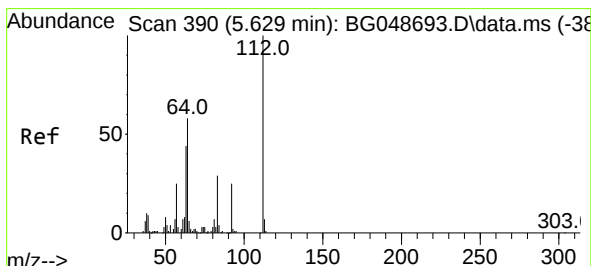
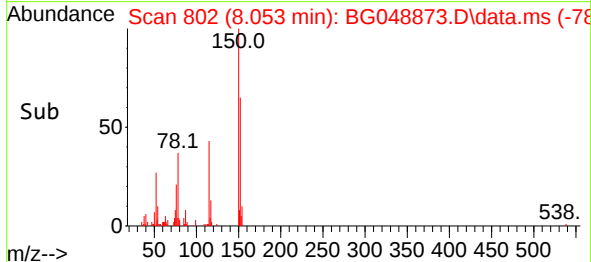
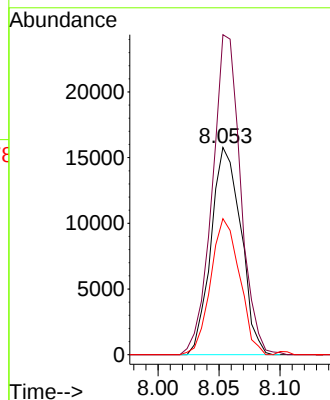
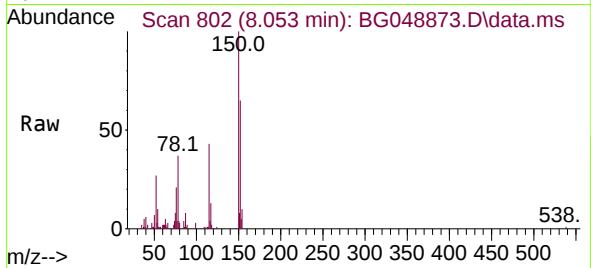




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.053 min Scan# 802
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

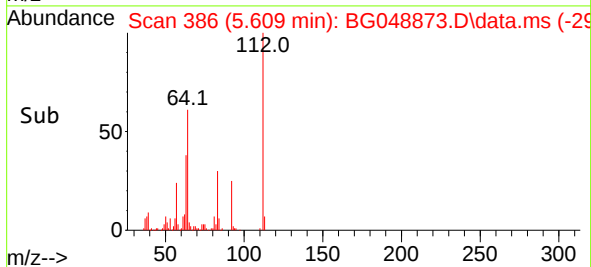
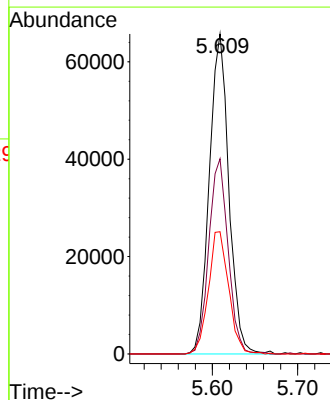
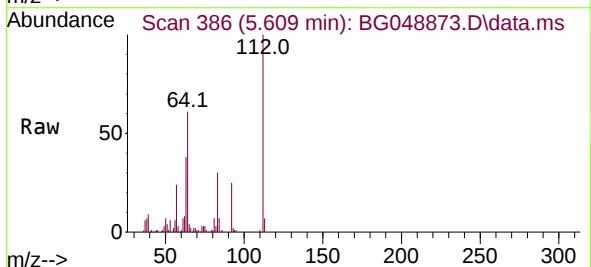
Instrument :
BNA_G
ClientSampleId :
FILL-C

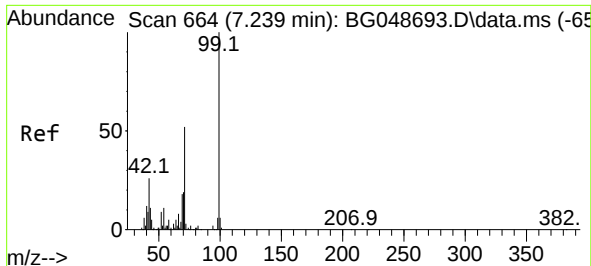
Tgt Ion:152 Resp: 26942
Ion Ratio Lower Upper
152 100
150 154.4 119.4 179.0
115 65.6 60.2 90.4



#5
2-Fluorophenol
Concen: 64.91 ng
RT: 5.609 min Scan# 386
Delta R.T. 0.004 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:112 Resp: 104561
Ion Ratio Lower Upper
112 100
64 61.0 46.7 70.1
63 38.2 35.3 52.9

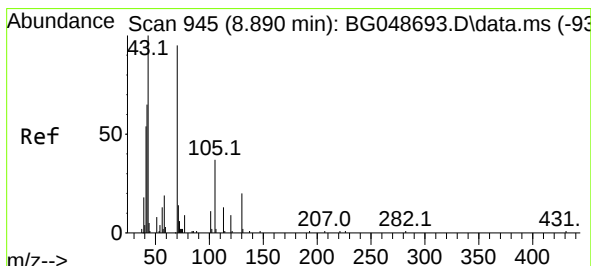
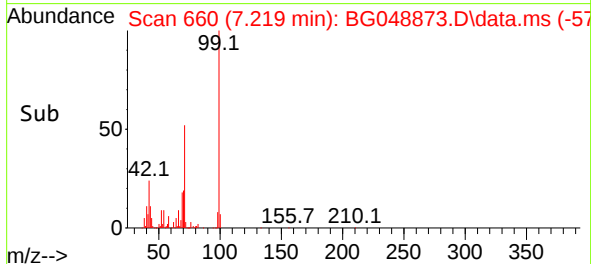
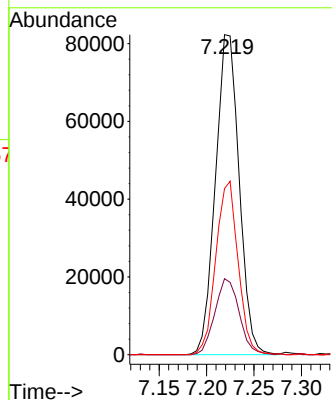
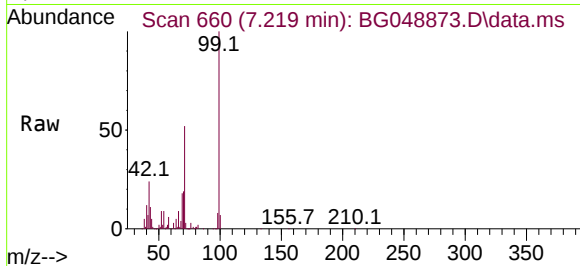




#7
Phenol-d6
Concen: 62.91 ng
RT: 7.219 min Scan# 660
Delta R.T. -0.002 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

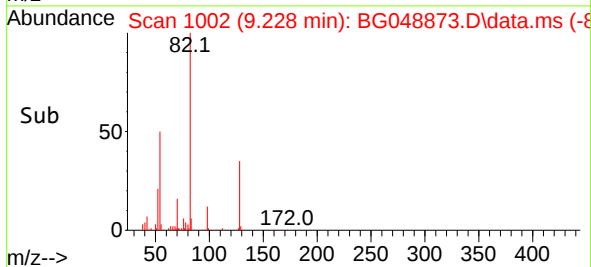
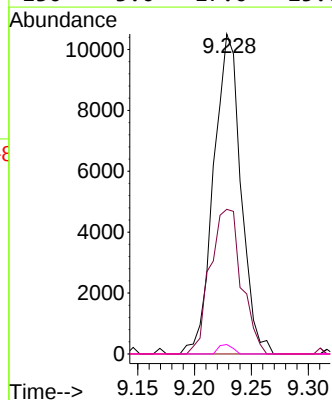
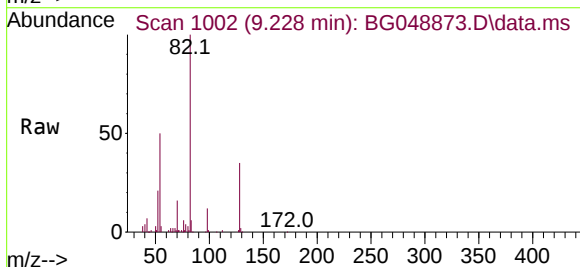
Instrument :
BNA_G
ClientSampleId :
FILL-C

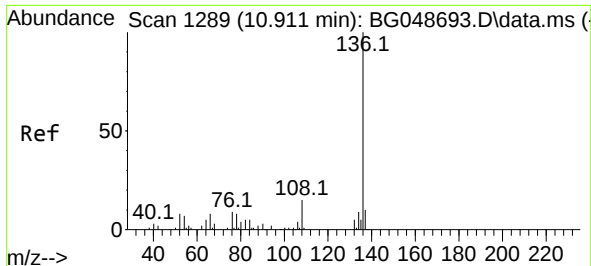
Tgt Ion: 99 Resp: 143349
Ion Ratio Lower Upper
99 100
42 23.8 20.5 30.7
71 51.9 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.41 ng
RT: 9.228 min Scan# 1002
Delta R.T. 0.356 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion: 70 Resp: 17541
Ion Ratio Lower Upper
70 100
42 45.2 54.5 81.7#
101 0.0 9.0 13.6#
130 3.0 17.0 25.6#

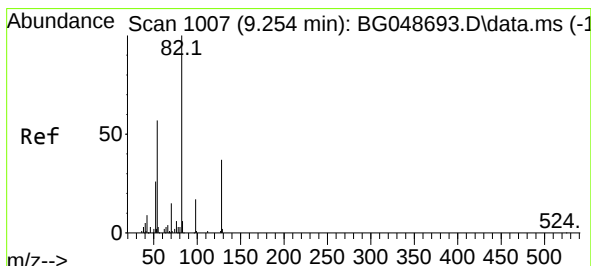
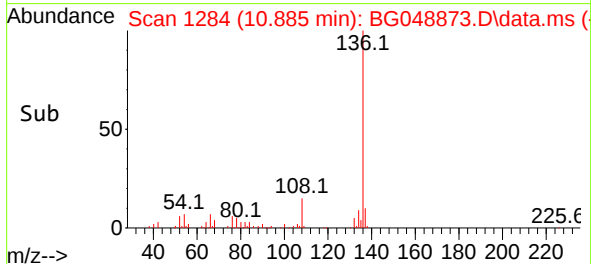
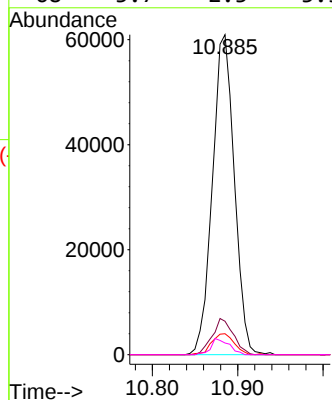
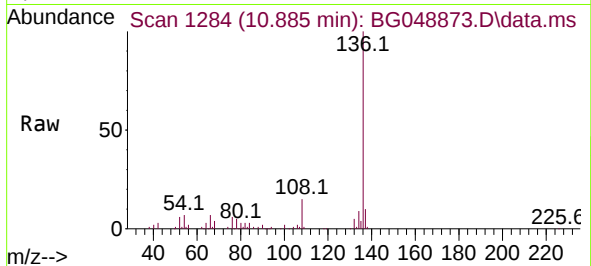




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.885 min Scan# 1284
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

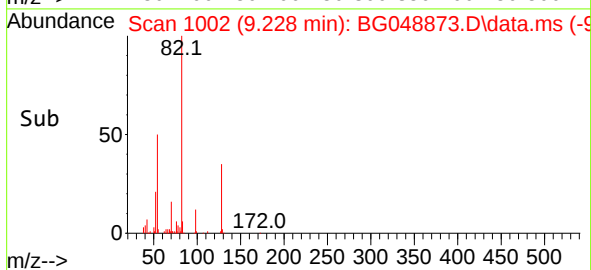
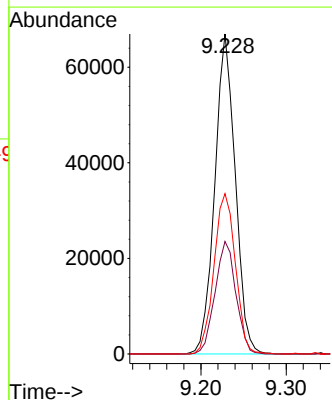
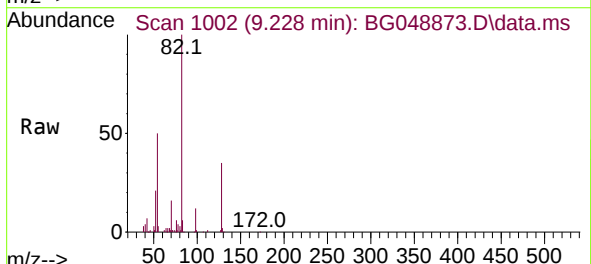
Instrument :
BNA_G
ClientSampleId :
FILL-C

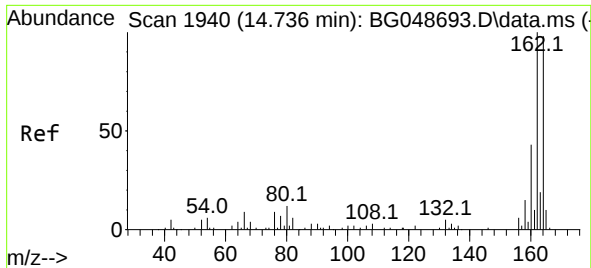
Tgt Ion:	136	Resp:	109065
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.2	12.2
54	6.6	5.5	8.3
68	3.7	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 45.89 ng
RT: 9.228 min Scan# 1002
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:	82	Resp:	111791
Ion Ratio	Lower	Upper	
82	100		
128	35.1	29.8	44.6
54	50.1	45.8	68.8

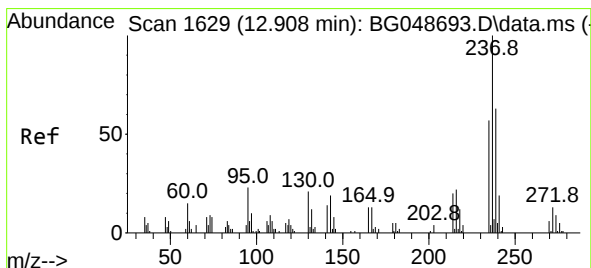
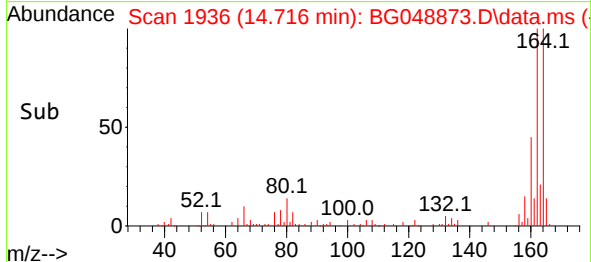
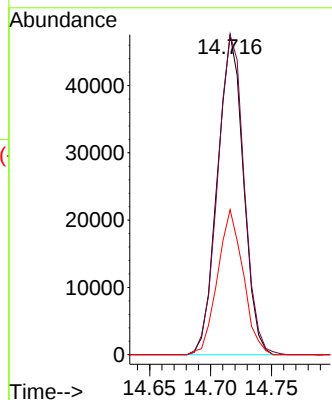
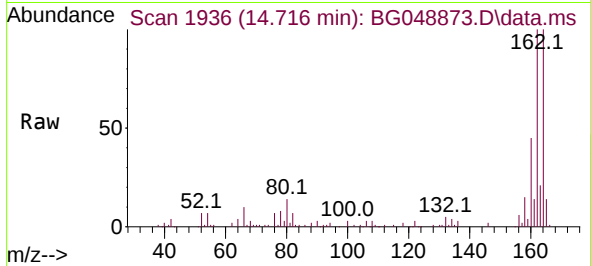




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.716 min Scan# 1936
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

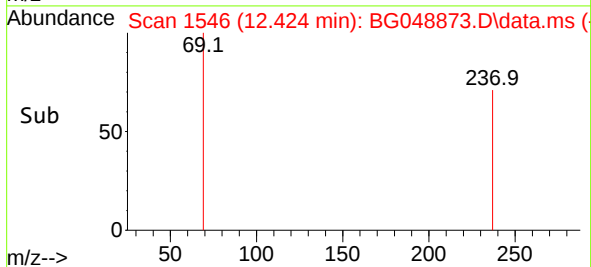
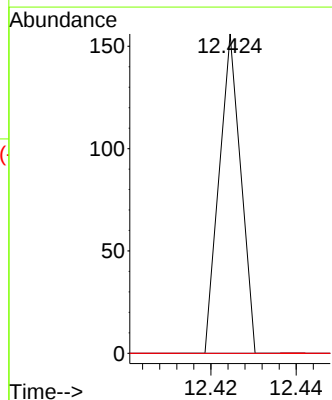
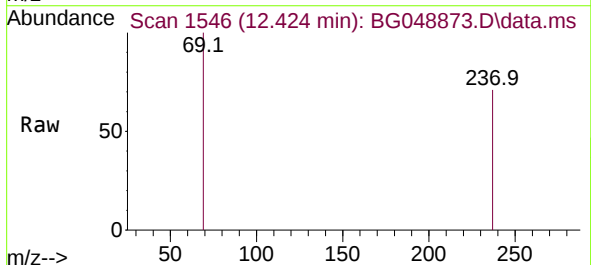
Instrument :
BNA_G
ClientSampled :
FILL-C

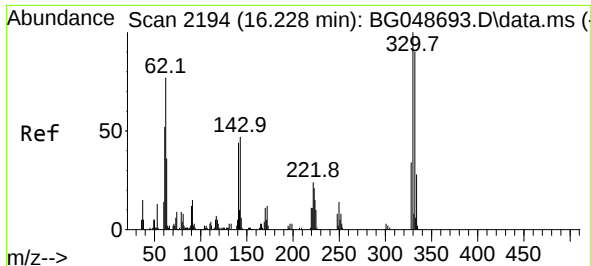
Tgt Ion:164 Resp: 70405
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.0
160 45.3 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 5.90 ng
RT: 12.424 min Scan# 1546
Delta R.T. -0.466 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:237 Resp: 55
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5

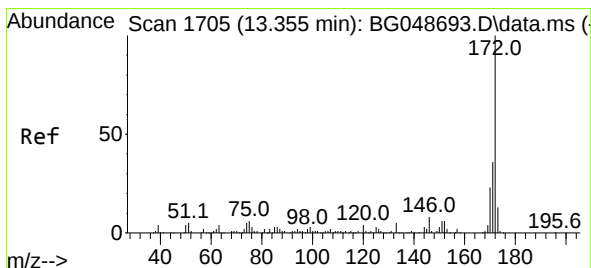
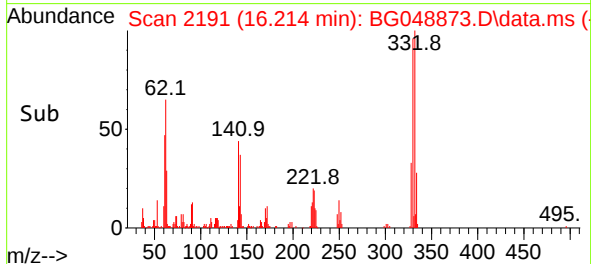
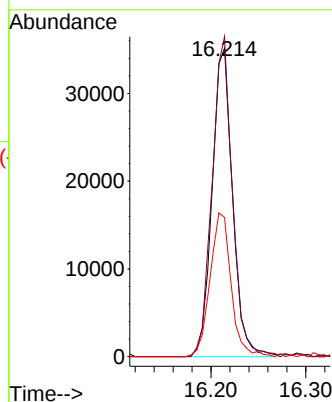
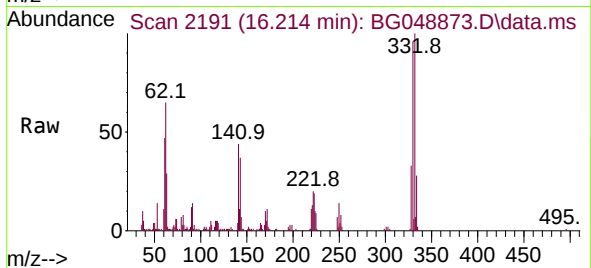




#42
2,4,6-Tribromophenol
Concen: 56.01 ng
RT: 16.214 min Scan# 2191
Delta R.T. -0.002 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

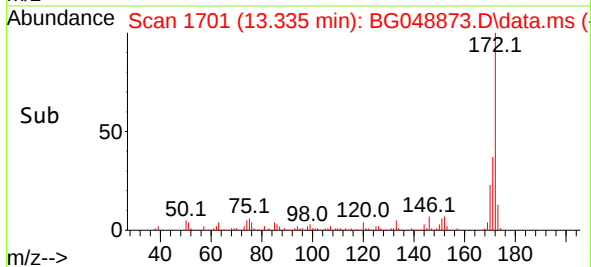
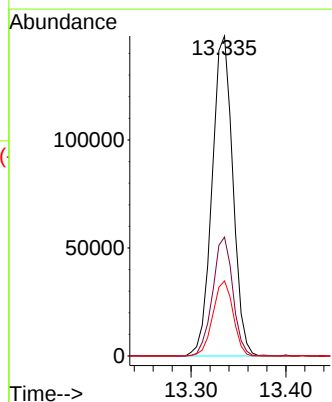
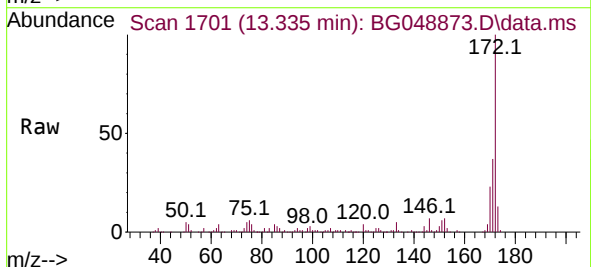
Instrument :
BNA_G
ClientSampleId :
FILL-C

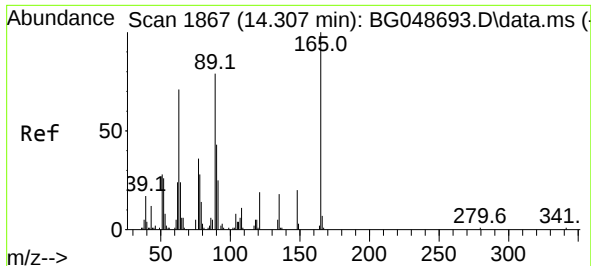
Tgt Ion:330 Resp: 52871
Ion Ratio Lower Upper
330 100
332 102.8 77.3 115.9
141 47.9 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 46.22 ng
RT: 13.335 min Scan# 1701
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:172 Resp: 225349
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 23.5 18.6 27.8

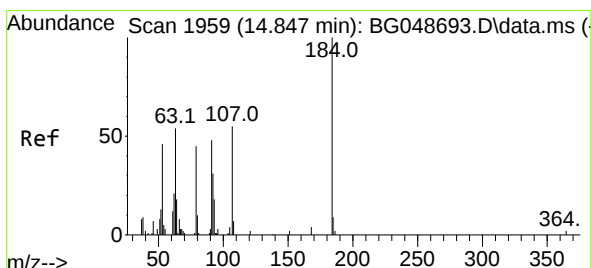
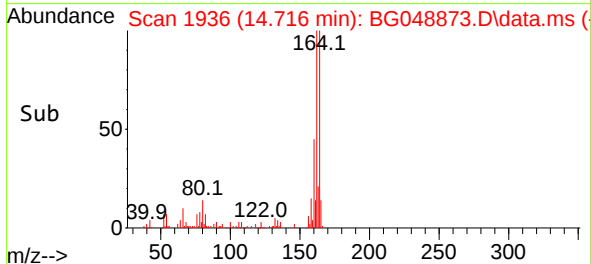
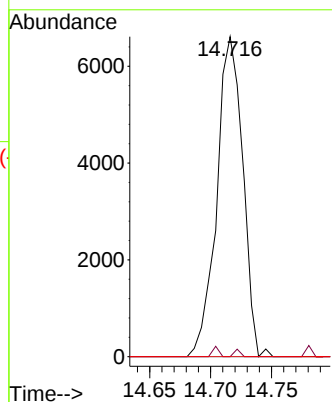
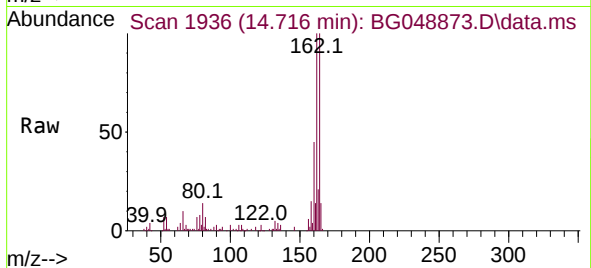




#51
2,6-Dinitrotoluene
Concen: 8.06 ng
RT: 14.716 min Scan# 1936
Delta R.T. 0.421 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

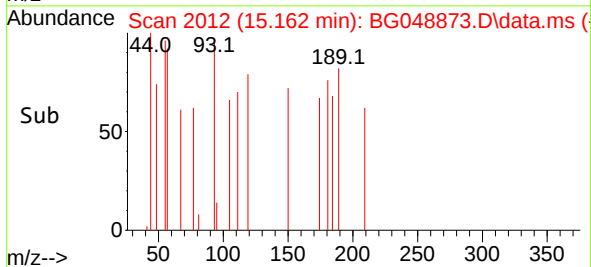
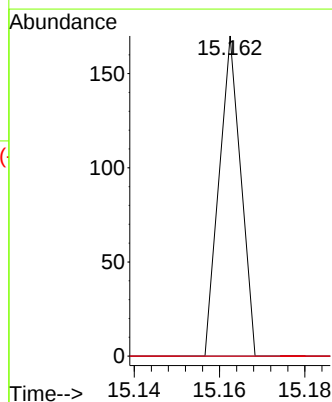
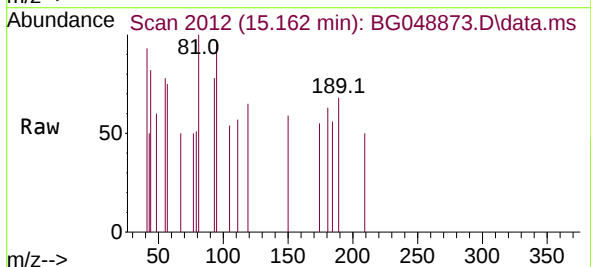
Instrument :
BNA_G
ClientSampled :
FILL-C

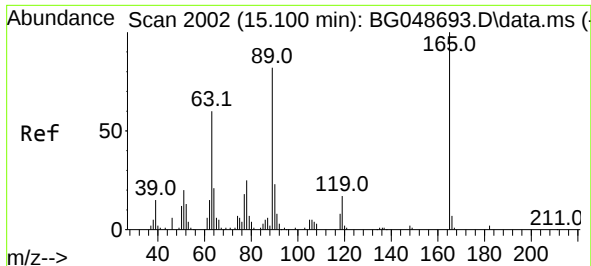
Tgt Ion:165 Resp: 9819
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



#54
2,4-Dinitrophenol
Concen: 5.36 ng
RT: 15.162 min Scan# 2012
Delta R.T. 0.327 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:184 Resp: 60
Ion Ratio Lower Upper
184 100
63 0.0 68.3 102.5#
154 0.0 62.6 93.8#

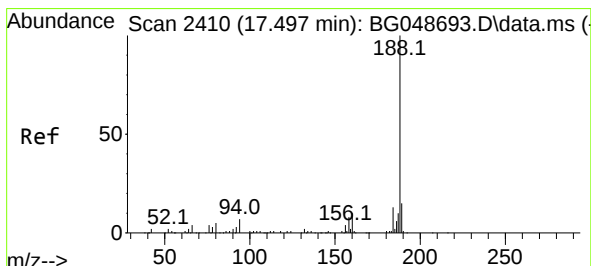
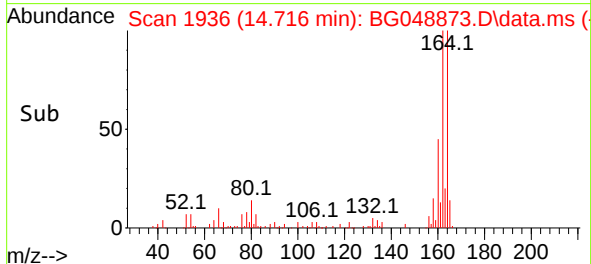
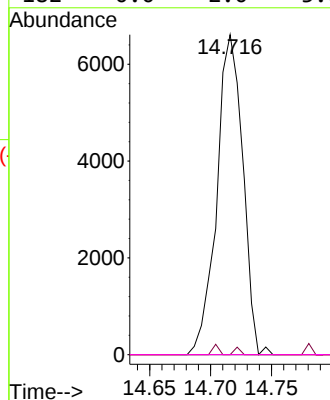
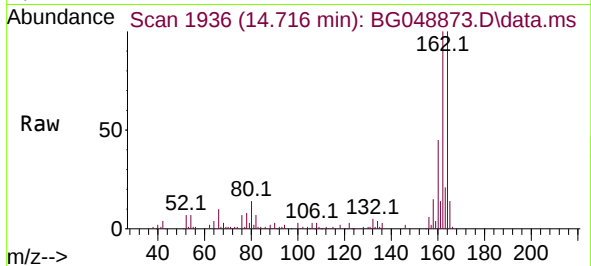




#57
2,4-Dinitrotoluene
Concen: 5.55 ng
RT: 14.716 min Scan# 1936
Delta R.T. -0.366 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

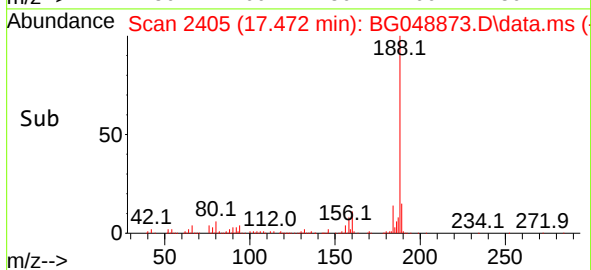
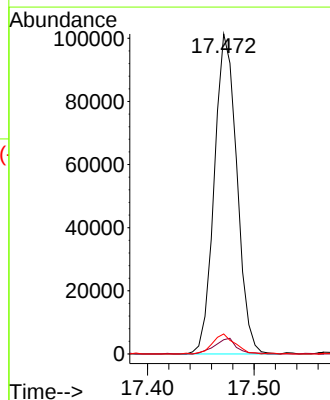
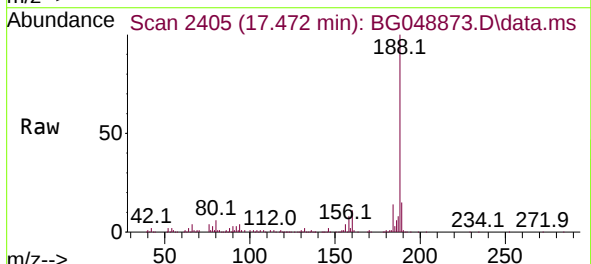
Instrument :
BNA_G
ClientSampleId :
FILL-C

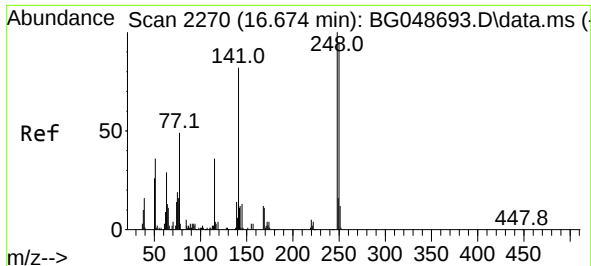
Tgt Ion:165 Resp: 9819
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.472 min Scan# 2405
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:188 Resp: 149068
Ion Ratio Lower Upper
188 100
94 4.5 5.4 8.0#
80 6.3 3.7 5.5#

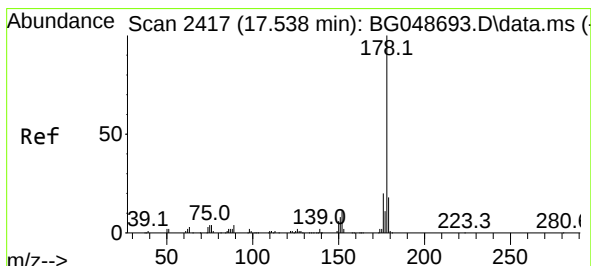
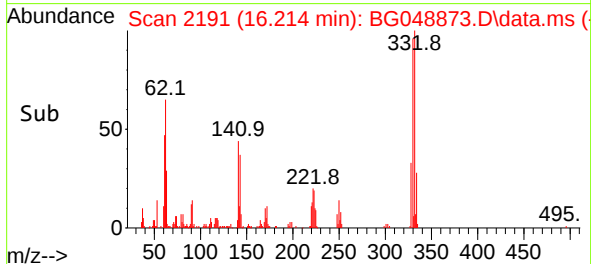
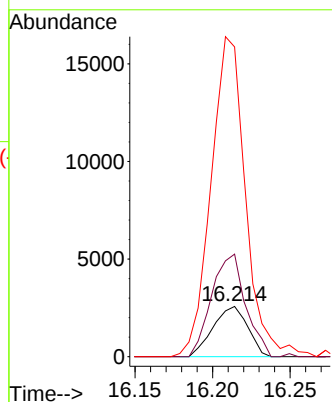
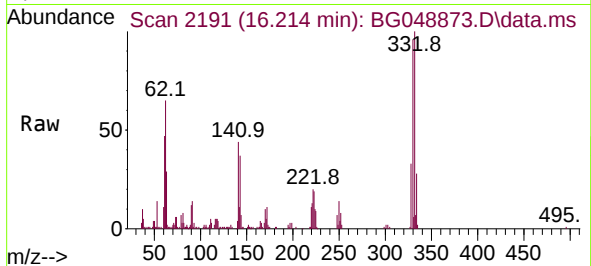




#67
4-Bromophenyl-phenylether
Concen: 2.33 ng
RT: 16.214 min Scan# 2191
Delta R.T. -0.449 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

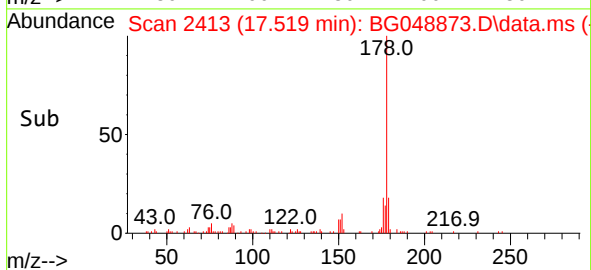
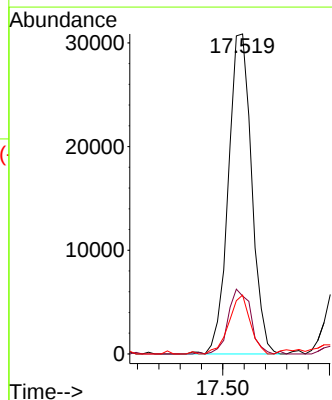
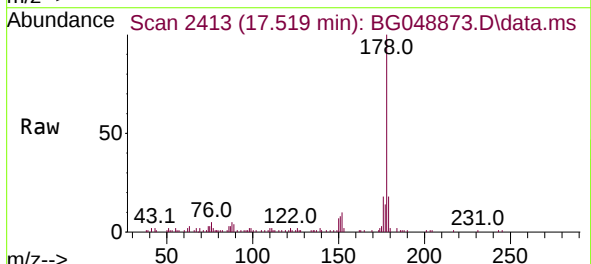
Instrument :
BNA_G
ClientSampleId :
FILL-C

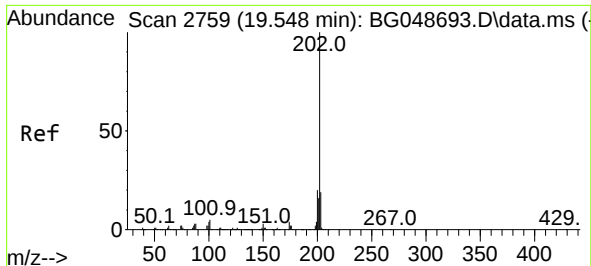
Tgt Ion:248 Resp: 3998
Ion Ratio Lower Upper
248 100
250 203.8 76.1 114.1#
141 616.1 65.4 98.2#



#71
Phenanthrene
Concen: 6.06 ng
RT: 17.519 min Scan# 2413
Delta R.T. -0.002 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:178 Resp: 46867
Ion Ratio Lower Upper
178 100
176 18.1 16.0 24.0
179 18.4 14.2 21.4

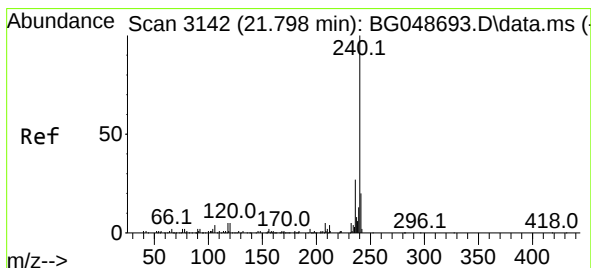
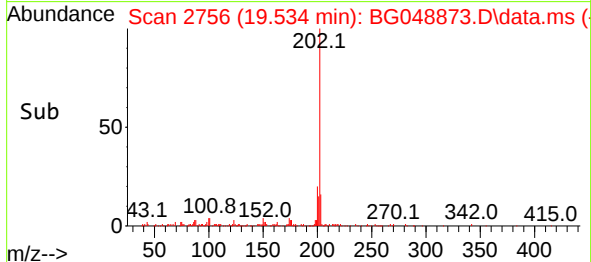
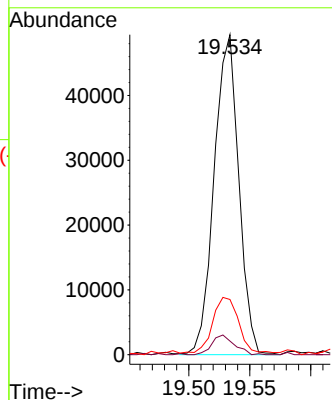
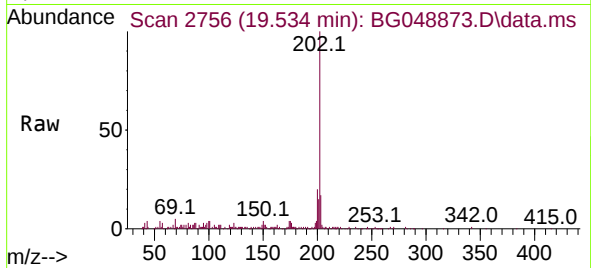




#75
Fluoranthene
Concen: 7.09 ng
RT: 19.534 min Scan# 2756
Delta R.T. -0.002 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

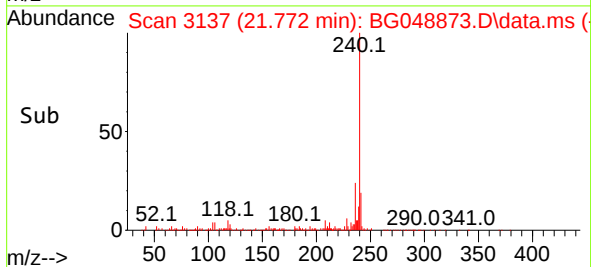
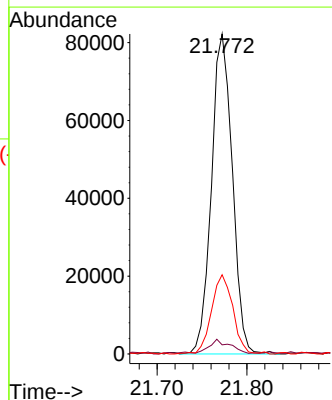
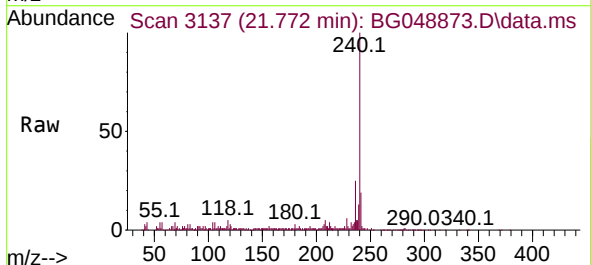
Instrument :
BNA_G
ClientSampleId :
FILL-C

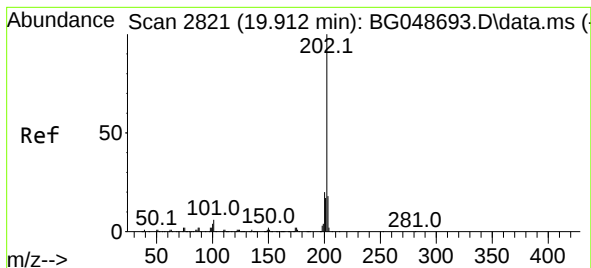
Tgt Ion:202 Resp: 69403
Ion Ratio Lower Upper
202 100
101 4.3 0.0 24.7
203 17.2 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.772 min Scan# 3137
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:240 Resp: 132939
Ion Ratio Lower Upper
240 100
120 2.8 4.2 6.2#
236 24.8 21.8 32.6





#78

Pyrene

Concen: 6.51 ng

RT: 19.892 min Scan# 2817

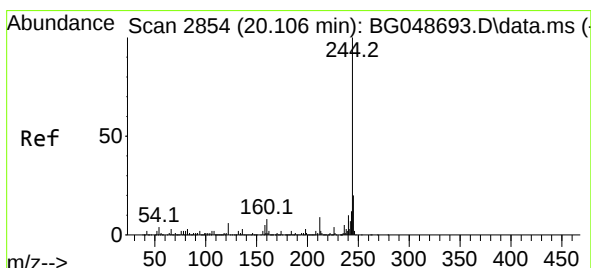
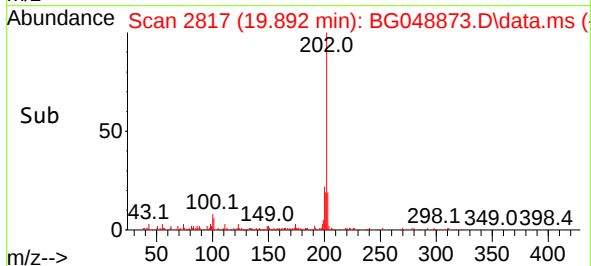
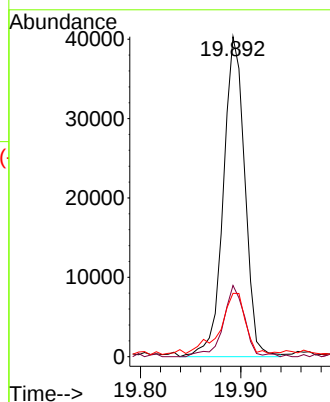
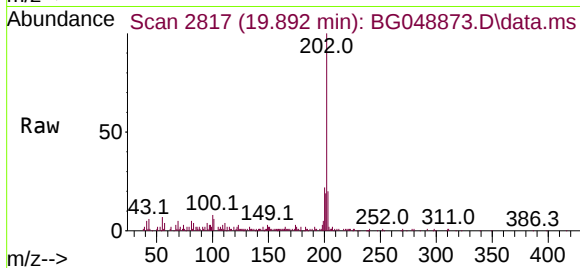
Delta R.T. -0.008 min

Lab File: BG048873.D

Acq: 23 Apr 2021 21:33

Tgt Ion:	202	Resp:	59867
Ion Ratio	Lower	Upper	
202	100		
200	22.3	15.8	23.8
203	19.8	14.6	21.8

Instrument :
BNA_G
ClientSampled :
FILL-C



#79

Terphenyl-d14

Concen: 38.23 ng

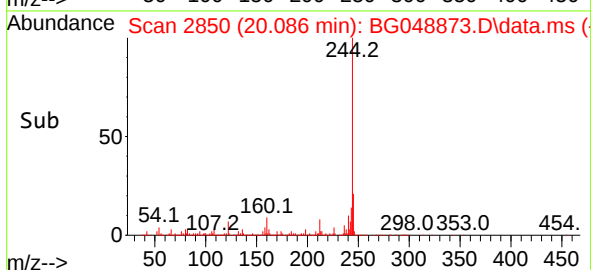
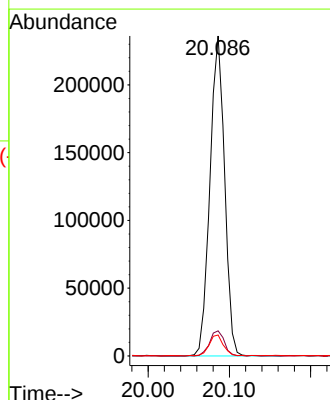
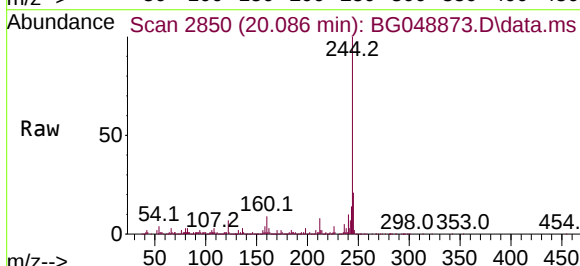
RT: 20.086 min Scan# 2850

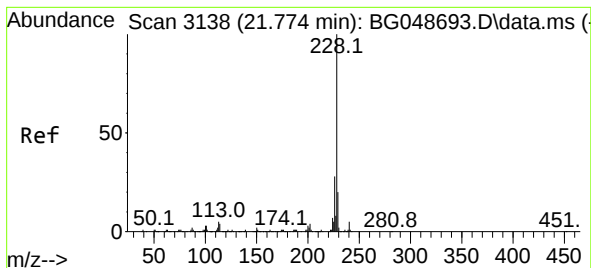
Delta R.T. -0.008 min

Lab File: BG048873.D

Acq: 23 Apr 2021 21:33

Tgt Ion:	244	Resp:	295249
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.9	10.3
122	6.5	5.0	7.6

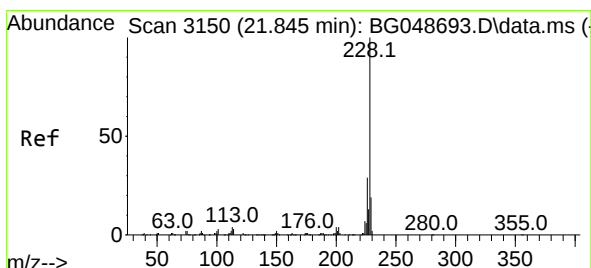
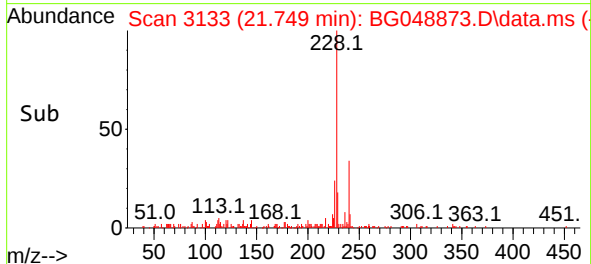
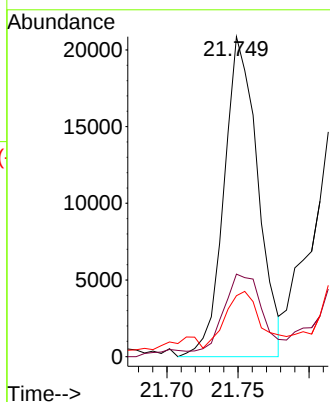
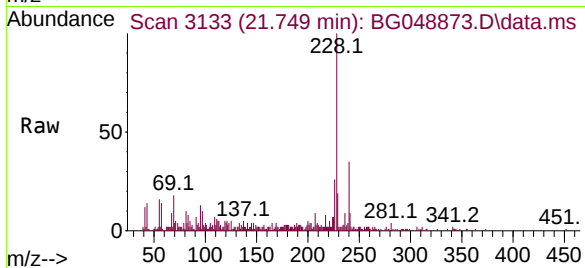




#81
Benzo(a)anthracene
Concen: 3.81 ng
RT: 21.749 min Scan# 3133
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

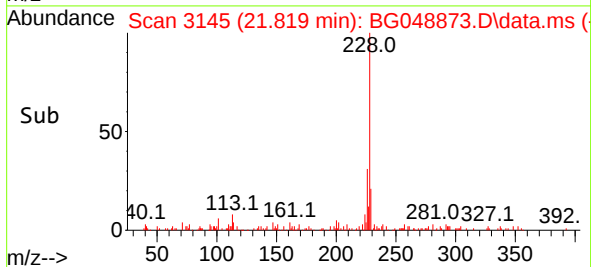
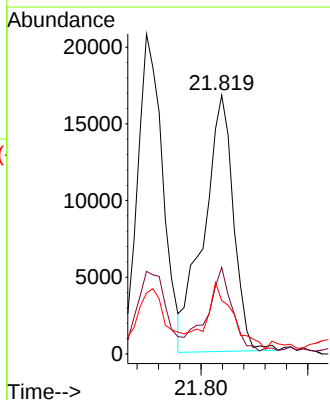
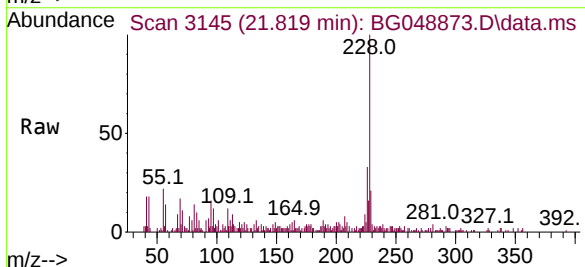
Instrument :
BNA_G
ClientSampled :
FILL-C

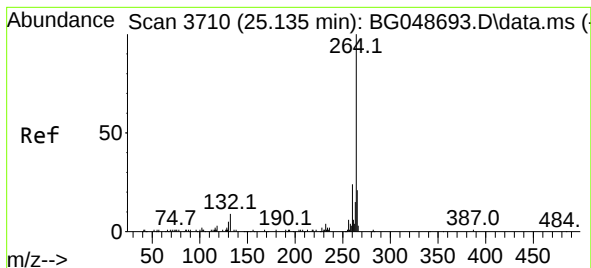
Tgt Ion:228 Resp: 34581
Ion Ratio Lower Upper
228 100
226 25.8 22.7 34.1
229 19.0 16.0 24.0



#83
Chrysene
Concen: 3.72 ng
RT: 21.819 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Tgt Ion:228 Resp: 32224
Ion Ratio Lower Upper
228 100
226 33.5 23.1 34.7
229 20.6 15.3 22.9

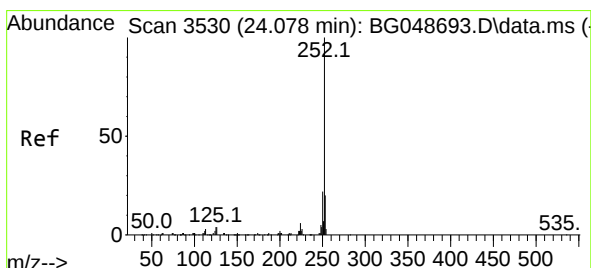
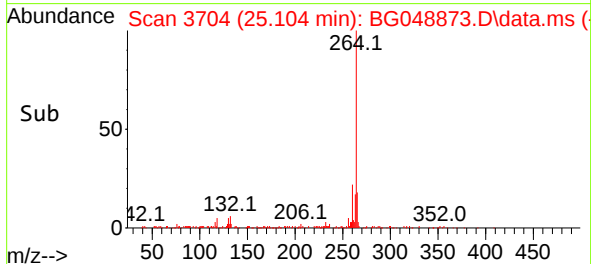
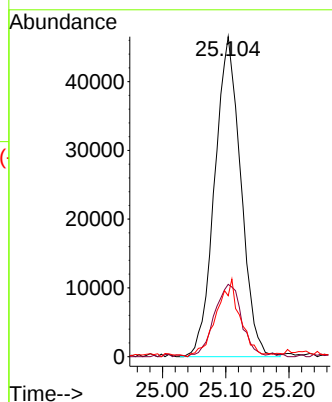
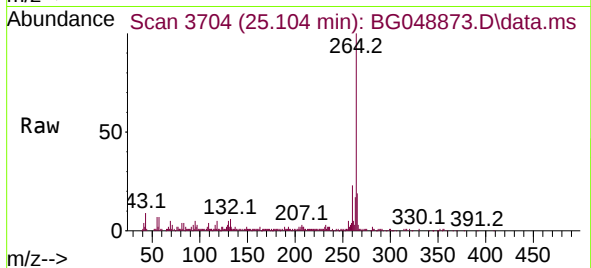




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.104 min Scan# 3704
 Delta R.T. -0.008 min
 Lab File: BG048873.D
 Acq: 23 Apr 2021 21:33

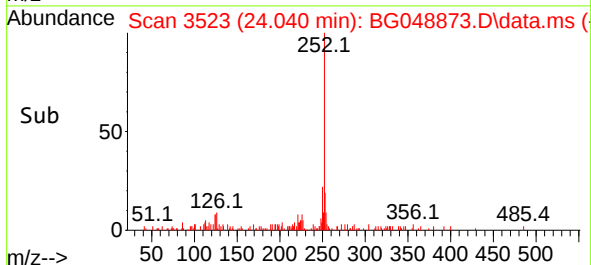
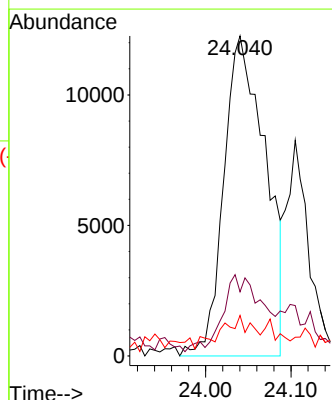
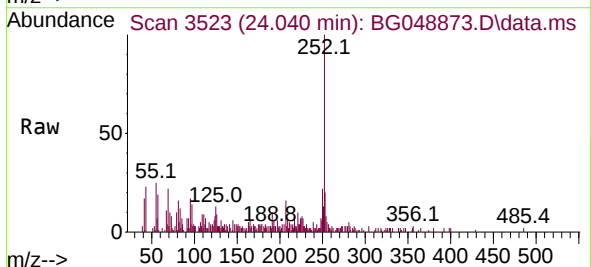
Instrument :
 BNA_G
 ClientSampled :
 FILL-C

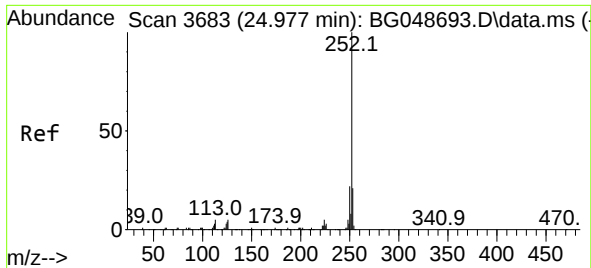
Tgt Ion:264 Resp: 133382
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.4 29.2
 265 19.0 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 4.59 ng
 RT: 24.040 min Scan# 3523
 Delta R.T. -0.008 min
 Lab File: BG048873.D
 Acq: 23 Apr 2021 21:33

Tgt Ion:252 Resp: 41489
 Ion Ratio Lower Upper
 252 100
 253 20.0 16.2 24.4
 125 12.6 3.0 4.4#





#90
Benzo(a)pyrene
Concen: 3.54 ng
RT: 24.939 min Scan# 3676
Delta R.T. -0.014 min
Lab File: BG048873.D
Acq: 23 Apr 2021 21:33

Instrument :
BNA_G
ClientSampleId :
FILL-C

Tgt Ion:	252	Resp:	29544
Ion Ratio	Lower	Upper	
252	100		
253	24.5	16.6	25.0
125	11.3	3.5	5.3#

