

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070621\
 Data File : BG049184.D
 Acq On : 6 Jul 2021 12:30
 Operator : CG/JU
 Sample : M2913-15DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-D20DL

Quant Time: Jul 06 13:23:57 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 06 10:59:02 2021
 Response via : Initial Calibration

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

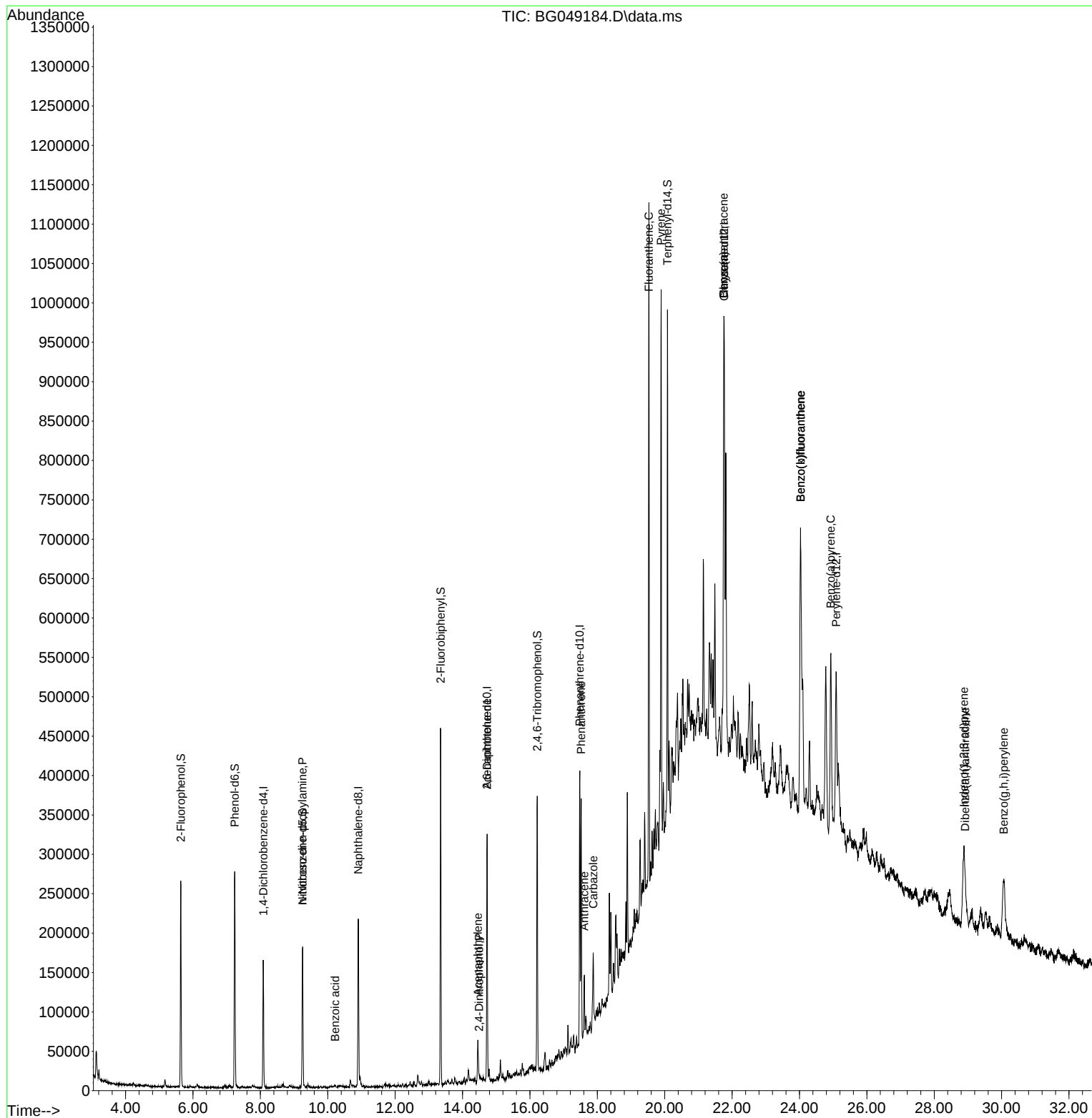
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.085	152	42890	20.000	ng	0.00
21) Naphthalene-d8	10.906	136	170822	20.000	ng	# 0.00
39) Acenaphthene-d10	14.730	164	114116	20.000	ng	0.00
64) Phenanthrene-d10	17.480	188	222142	20.000	ng	# 0.00
76) Chrysene-d12	21.769	240	212012	20.000	ng	0.00
86) Perylene-d12	25.089	264	216838	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.641	112	104371	38.115	ng	0.00
7) Phenol-d6	7.239	99	144421	36.992	ng	0.00
23) Nitrobenzene-d5	9.249	82	110265	27.367	ng	0.00
42) 2,4,6-Tribromophenol	16.217	330	67929	34.338	ng	0.00
45) 2-Fluorobiphenyl	13.350	172	225730	26.687	ng	0.00
79) Terphenyl-d14	20.083	244	284017	22.700	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.249	70	16461	5.867	ng	# 68
32) Benzoic acid	10.218	122	243	6.376	ng	# 35
49) Acenaphthylene	14.454	152	51481	4.655	ng	99
51) 2,6-Dinitrotoluene	14.730	165	15314	7.294	ng	# 15
54) 2,4-Dinitrophenol	14.495	184	54	5.199	ng	# 8
71) Phenanthrene	17.521	178	195308	15.268	ng	95
72) Anthracene	17.615	178	54267	4.256	ng	96
73) Carbazole	17.880	167	62563	5.146	ng	96
75) Fluoranthene	19.531	202	529680	33.076	ng	98
78) Pyrene	19.895	202	449057	28.517	ng	97
81) Benzo(a)anthracene	21.752	228	270586	17.111	ng	95
83) Chrysene	21.752	228	270586	18.012	ng	95
87) Indeno(1,2,3-cd)pyrene	28.879	276	210030	12.139	ng	# 94
88) Benzo(b)fluoranthene	24.037	252	450281	28.776	ng	# 95
89) Benzo(k)fluoranthene	24.037	252	450281	30.164	ng	# 99
90) Benzo(a)pyrene	24.930	252	257543	17.842	ng	# 92
91) Dibenzo(a,h)anthracene	28.920	278	30143	2.064	ng	# 70
92) Benzo(g,h,i)perylene	30.065	276	196653	13.660	ng	# 96

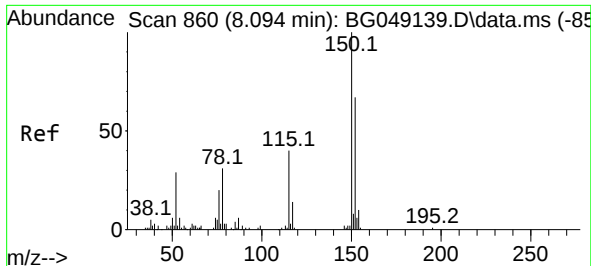
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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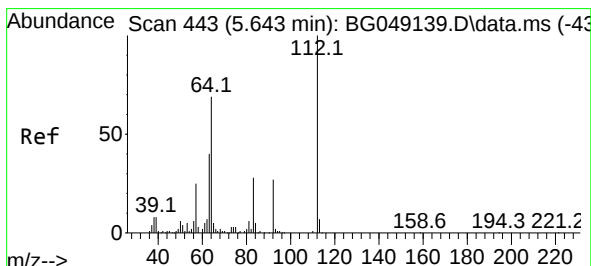
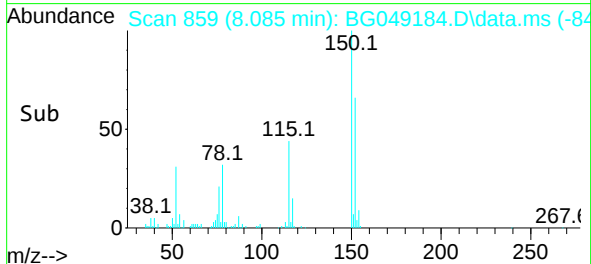
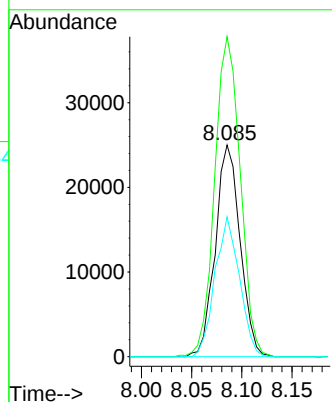
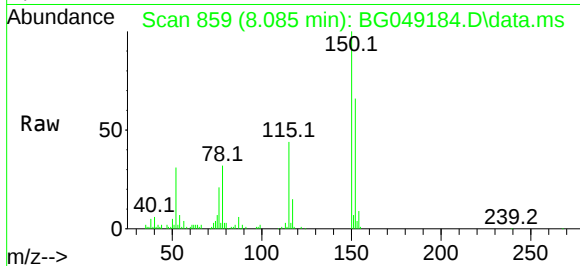




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.085 min Scan# 859
Delta R.T. -0.006 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

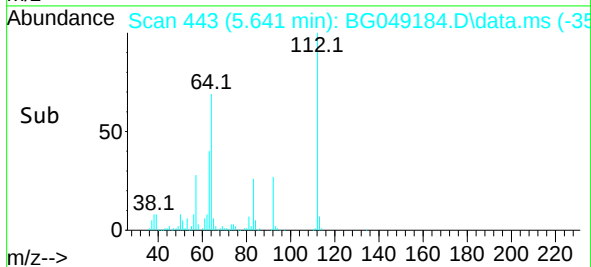
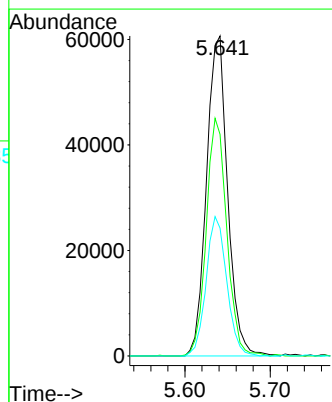
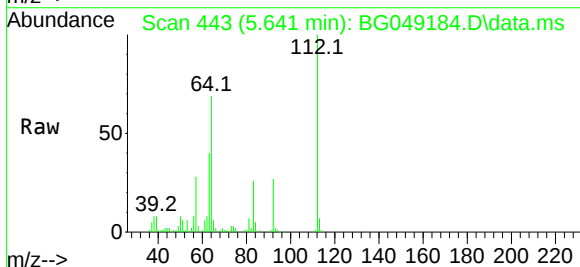
Instrument :
BNA_G
ClientSampleId :
P-D20DL

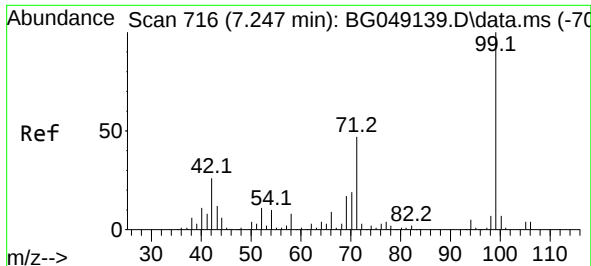
Tgt Ion:152 Resp: 42890
Ion Ratio Lower Upper
152 100
150 151.2 119.4 179.0
115 66.1 60.2 90.4



#5
2-Fluorophenol
Concen: 38.115 ng
RT: 5.641 min Scan# 443
Delta R.T. 0.006 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:112 Resp: 104371
Ion Ratio Lower Upper
112 100
64 69.3 46.7 70.1
63 39.9 35.3 52.9

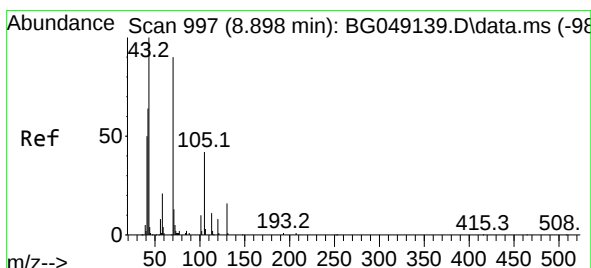
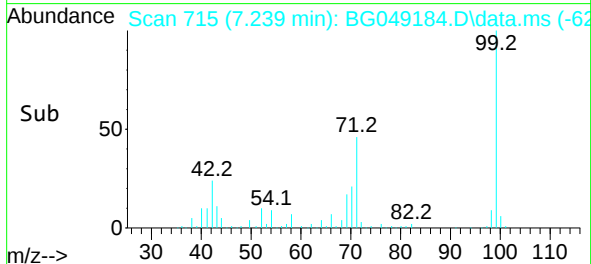
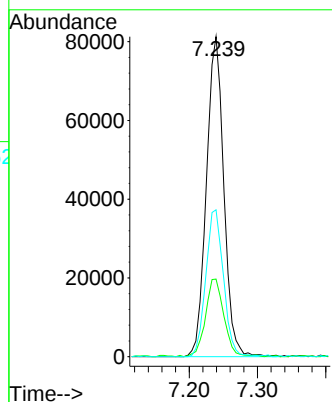
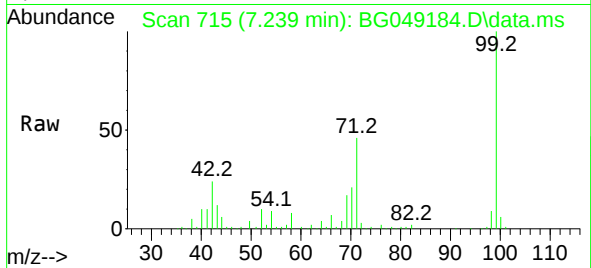




#7
Phenol-d6
Concen: 36.992 ng
RT: 7.239 min Scan# 715
Delta R.T. 0.001 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

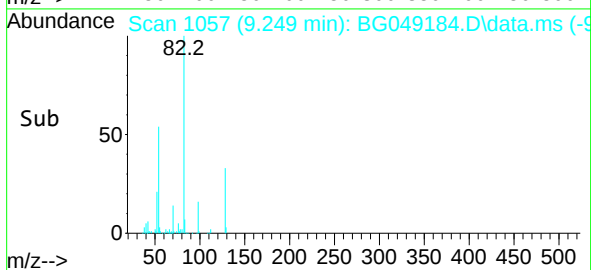
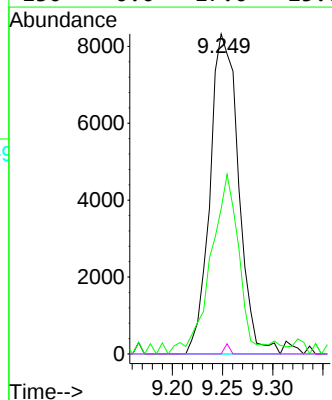
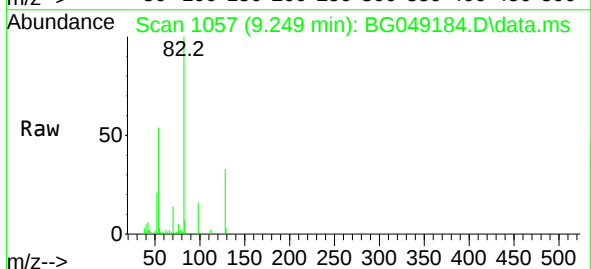
Instrument :
BNA_G
ClientSampled :
P-D20DL

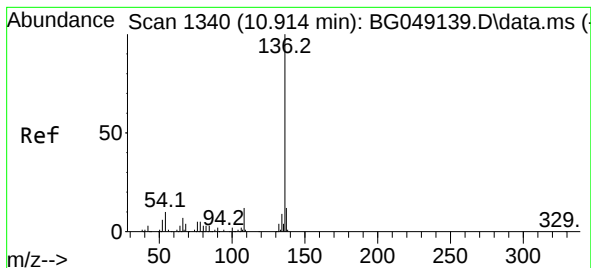
Tgt Ion: 99 Resp: 144421
Ion Ratio Lower Upper
99 100
42 24.3 20.5 30.7
71 45.9 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.867 ng
RT: 9.249 min Scan# 1057
Delta R.T. 0.353 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion: 70 Resp: 16461
Ion Ratio Lower Upper
70 100
42 45.4 54.5 81.7#
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#

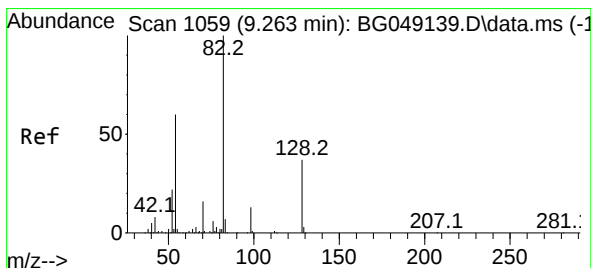
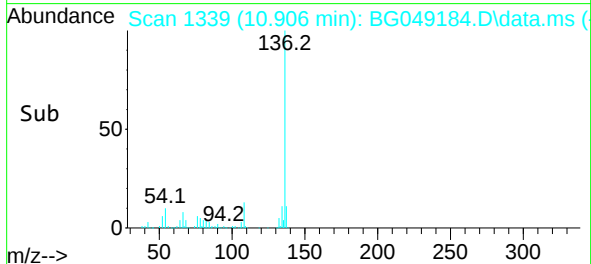
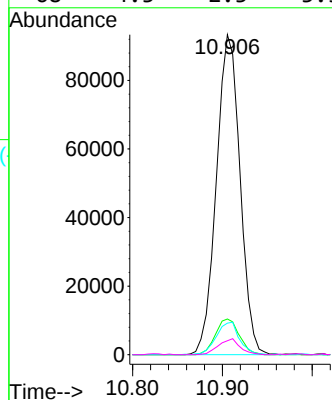
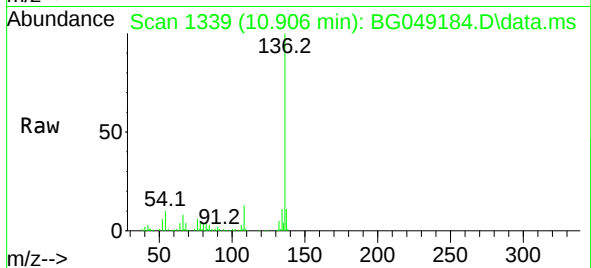




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.906 min Scan# 1339
Delta R.T. 0.001 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

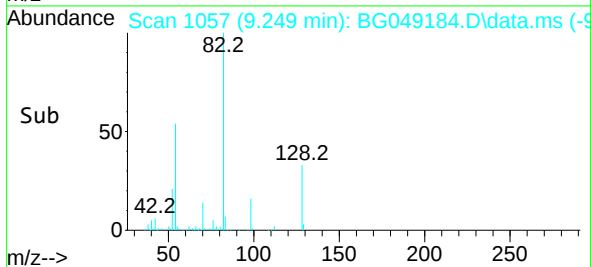
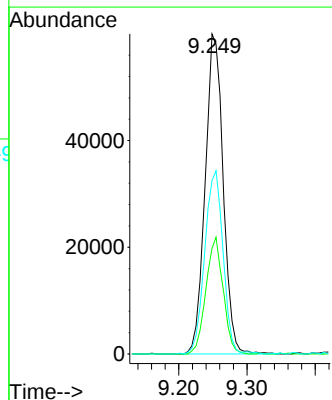
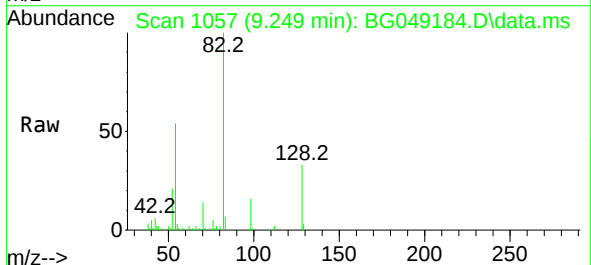
Instrument :
BNA_G
ClientSampleId :
P-D20DL

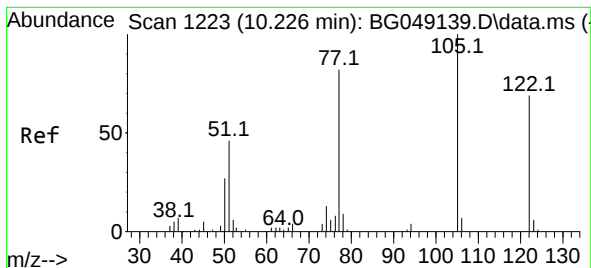
Tgt Ion:	136	Resp:	170822
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.2	12.2
54	9.9	5.5	8.3#
68	4.3	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 27.367 ng
RT: 9.249 min Scan# 1057
Delta R.T. -0.005 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:	82	Resp:	110265
Ion Ratio	Lower	Upper	
82	100		
128	33.0	29.8	44.6
54	54.2	45.8	68.8

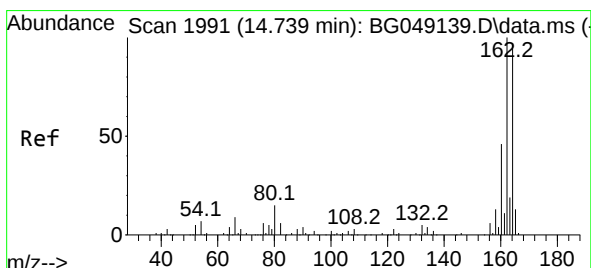
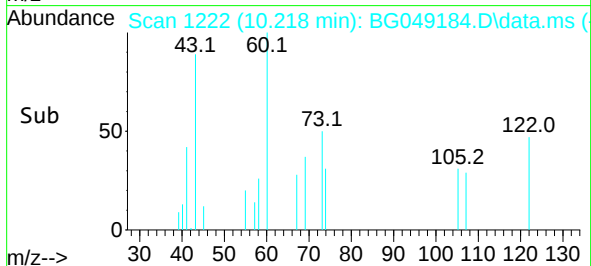
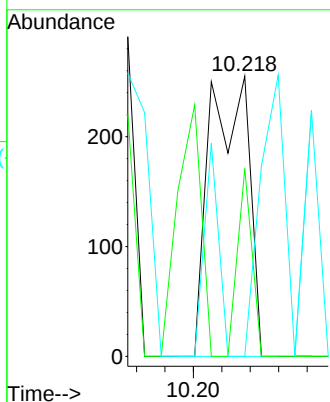
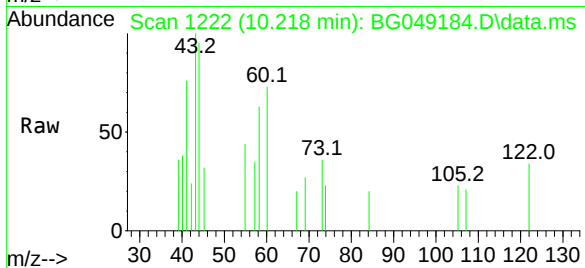




#32
Benzoic acid
Concen: 6.376 ng
RT: 10.218 min Scan# 1222
Delta R.T. -0.005 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

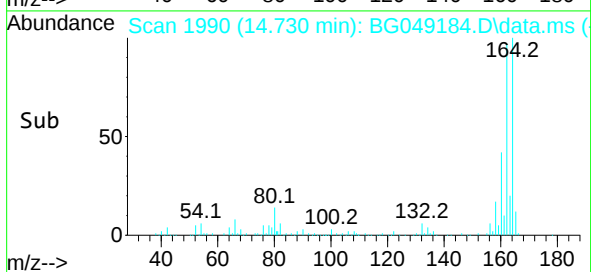
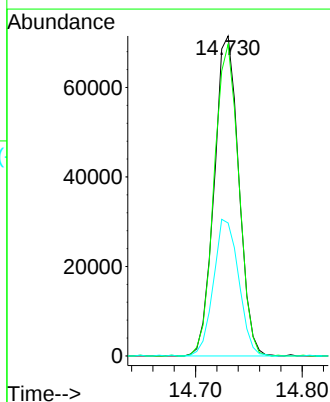
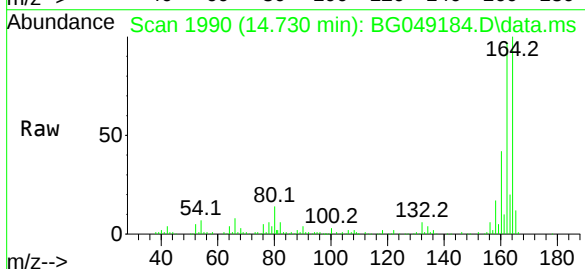
Instrument :
BNA_G
ClientSampled :
P-D20DL

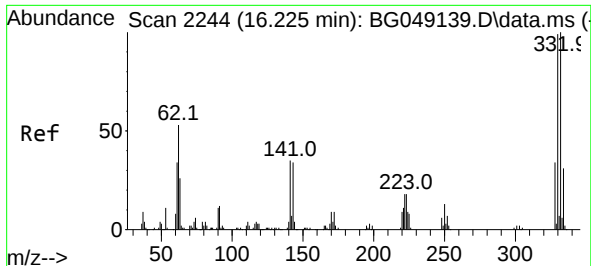
Tgt Ion:122 Resp: 243
Ion Ratio Lower Upper
122 100
105 67.1 92.3 132.3#
77 0.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.730 min Scan# 1990
Delta R.T. 0.001 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

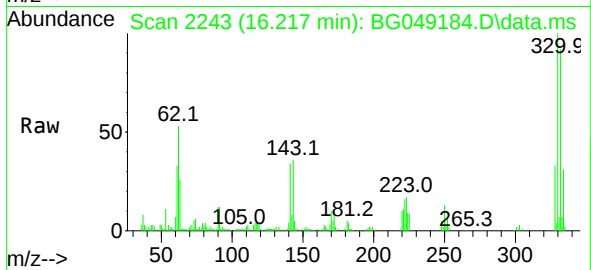
Tgt Ion:164 Resp: 114116
Ion Ratio Lower Upper
164 100
162 97.4 81.4 122.0
160 41.6 34.9 52.3



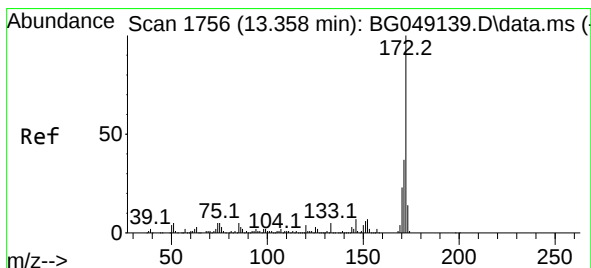
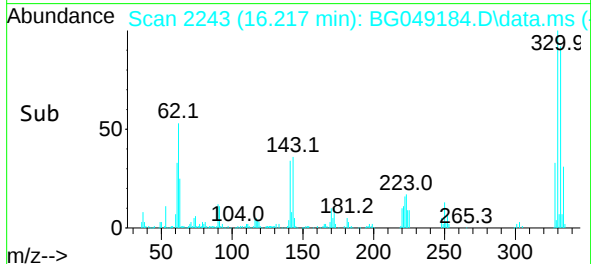
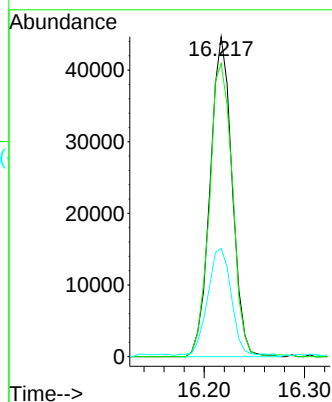


#42
2,4,6-Tribromophenol
Concen: 34.338 ng
RT: 16.217 min Scan# 2243
Delta R.T. 0.001 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Instrument :
BNA_G
ClientSampleId :
P-D20DL

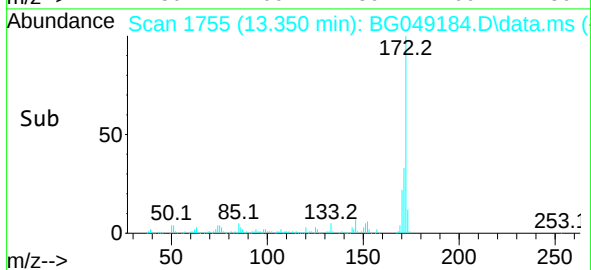
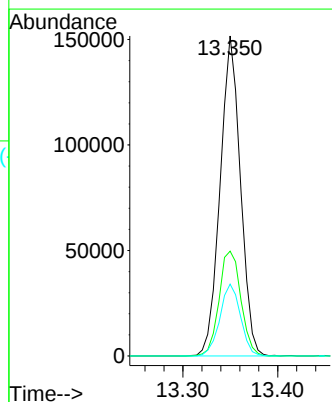
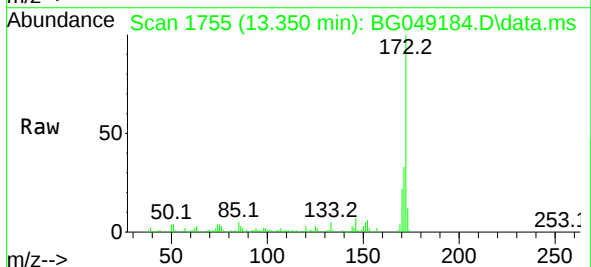


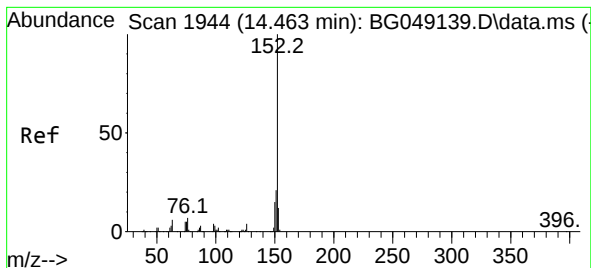
Tgt Ion:330 Resp: 67929
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 35.9 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 26.687 ng
RT: 13.350 min Scan# 1755
Delta R.T. 0.001 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:172 Resp: 225730
Ion Ratio Lower Upper
172 100
171 32.8 28.6 43.0
170 22.4 18.6 27.8





#49

Acenaphthylene

Concen: 4.655 ng

RT: 14.454 min Scan# 1943

Delta R.T. 0.001 min

Lab File: BG049184.D

Acq: 6 Jul 2021 12:30

Instrument :

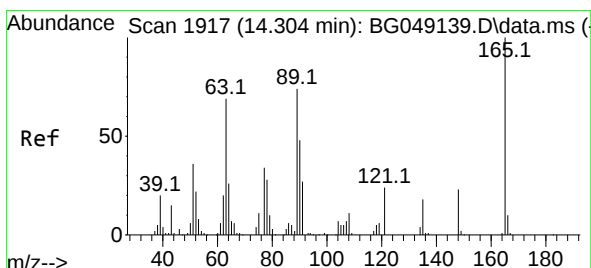
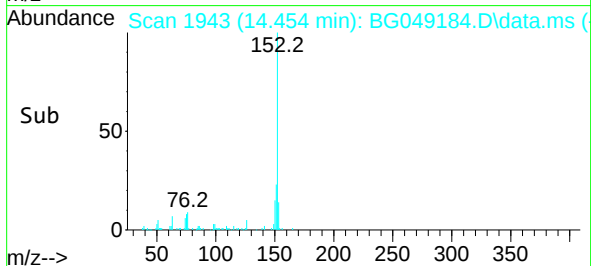
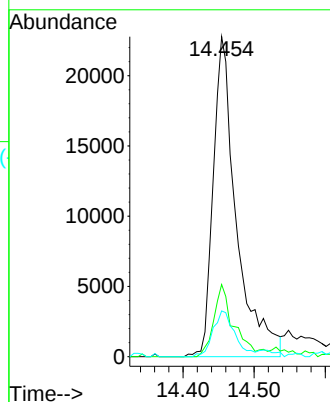
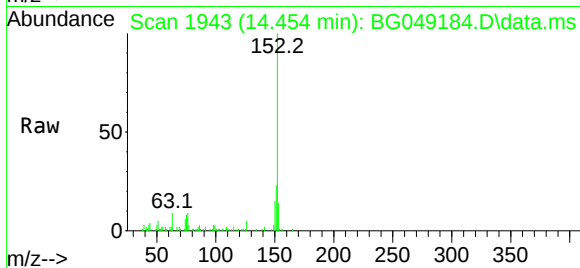
BNA_G

ClientSampleId :

P-D20DL

Tgt Ion:152 Resp: 51481

Ion	Ratio	Lower	Upper
152	100		
151	22.6	18.2	27.4
153	14.3	11.7	17.5



#51

2,6-Dinitrotoluene

Concen: 7.294 ng

RT: 14.730 min Scan# 1990

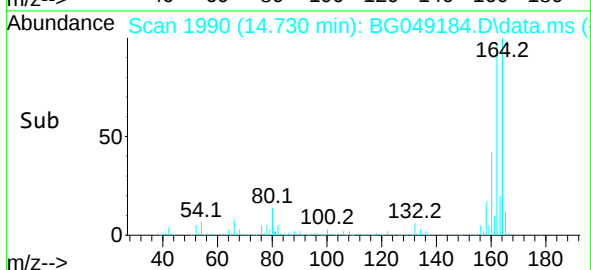
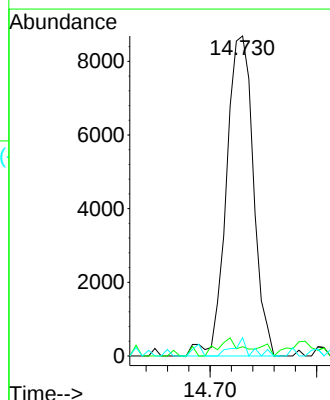
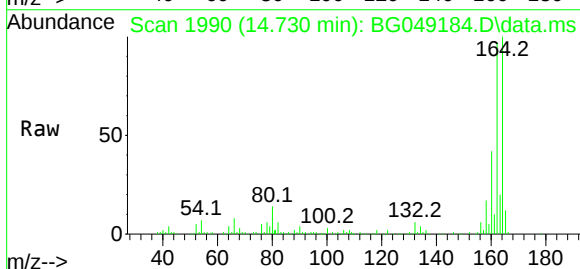
Delta R.T. 0.435 min

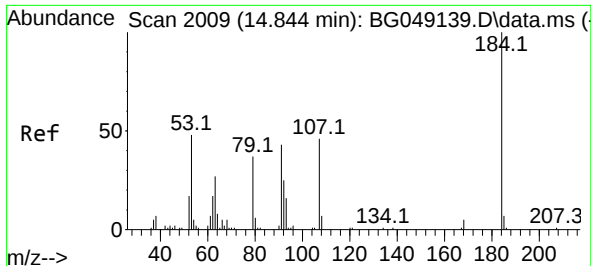
Lab File: BG049184.D

Acq: 6 Jul 2021 12:30

Tgt Ion:165 Resp: 15314

Ion	Ratio	Lower	Upper
165	100		
63	2.9	63.3	94.9#
89	5.7	63.4	95.0#

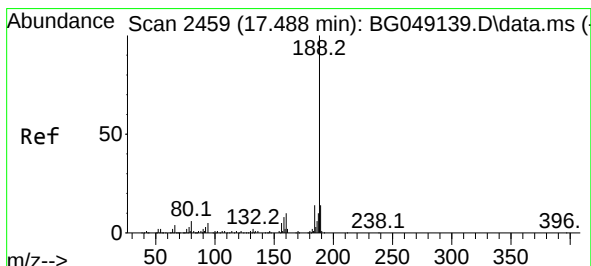
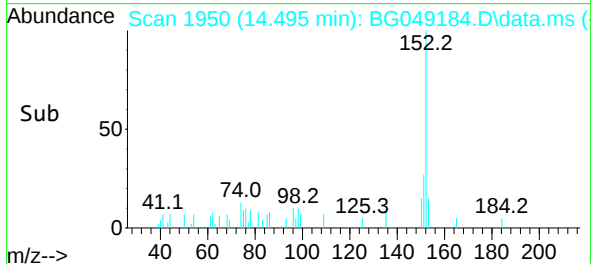
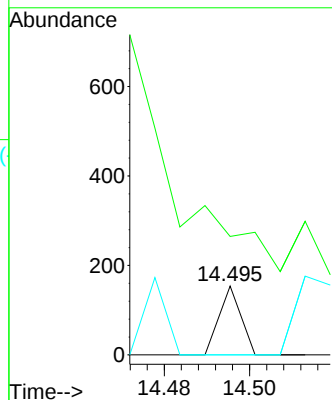
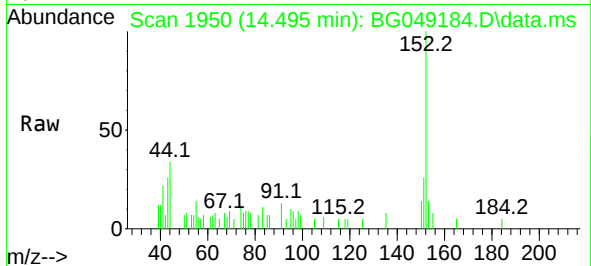




#54
2,4-Dinitrophenol
Concen: 5.199 ng
RT: 14.495 min Scan# 1950
Delta R.T. -0.340 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

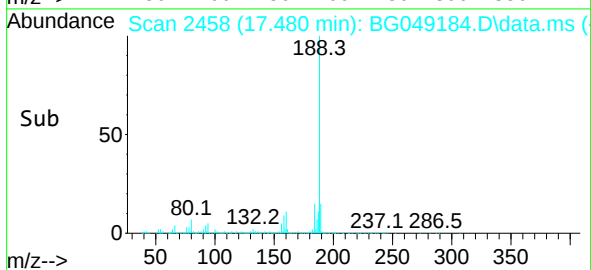
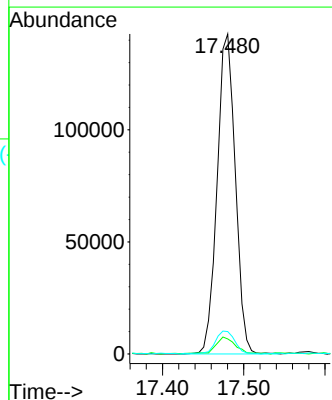
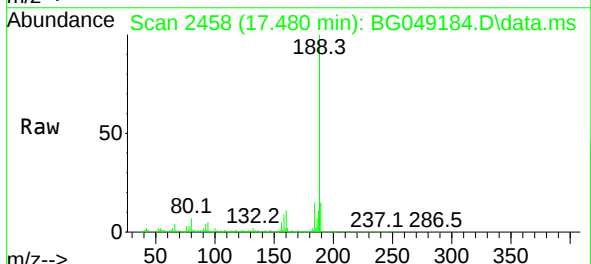
Instrument :
BNA_G
ClientSampled :
P-D20DL

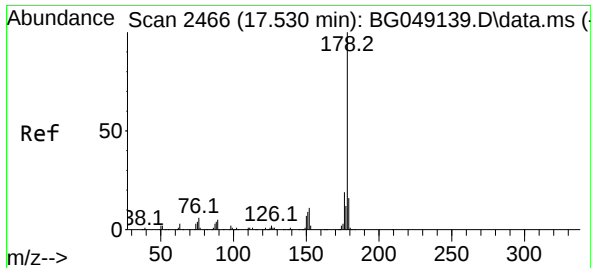
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 172.1 68.3 102.5#
154 0.0 62.6 93.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.480 min Scan# 2458
Delta R.T. 0.001 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:188 Resp: 222142
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0#
80 7.0 3.7 5.5#

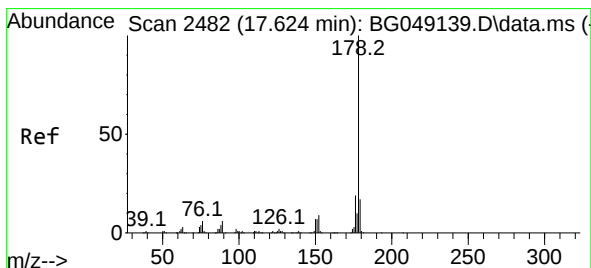
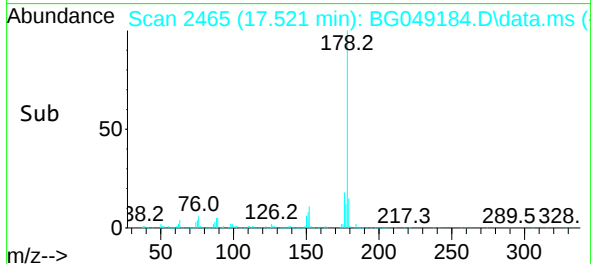
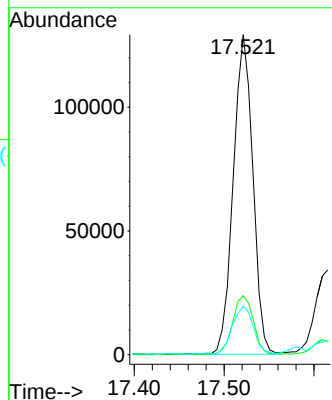
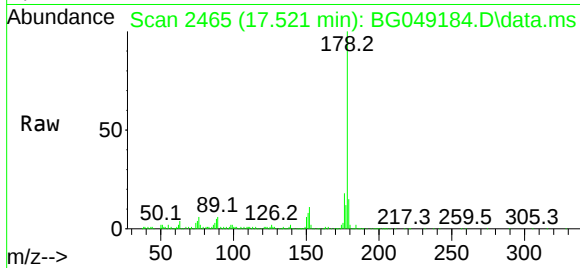




#71
Phenanthrene
Concen: 15.268 ng
RT: 17.521 min Scan# 2465
Delta R.T. 0.001 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

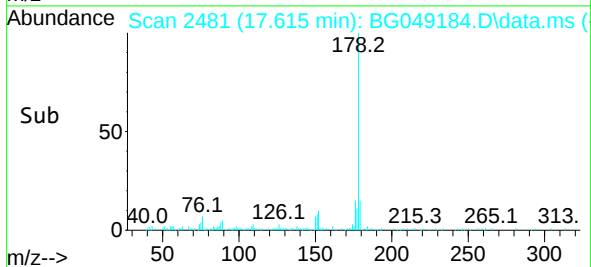
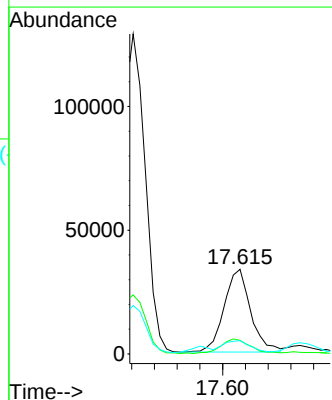
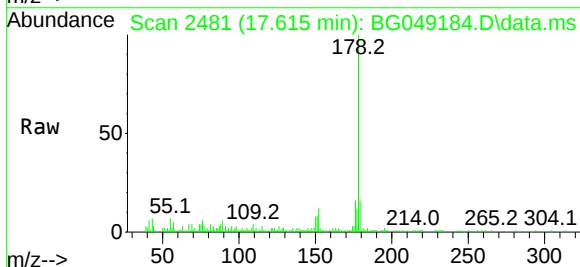
Instrument :
BNA_G
ClientSampled :
P-D20DL

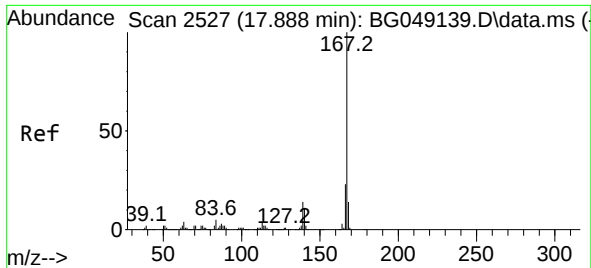
Tgt Ion:178 Resp: 195308
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.2 14.2 21.4



#72
Anthracene
Concen: 4.256 ng
RT: 17.615 min Scan# 2481
Delta R.T. 0.006 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:178 Resp: 54267
Ion Ratio Lower Upper
178 100
176 16.0 14.6 21.8
179 15.6 13.4 20.0

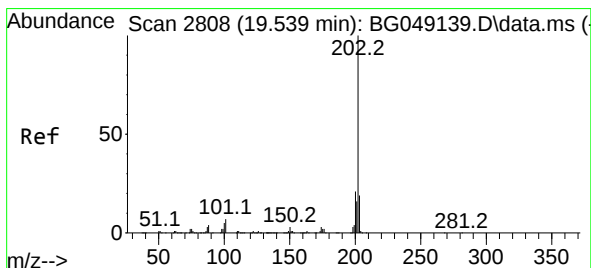
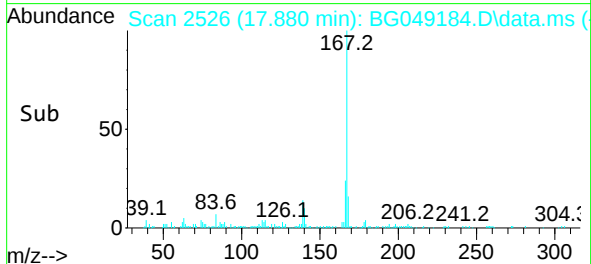
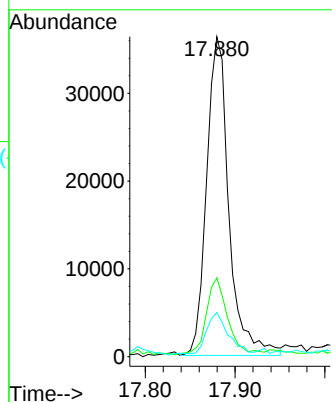
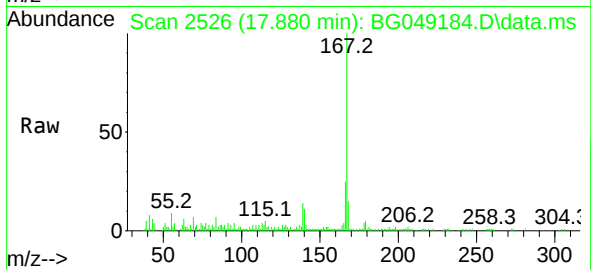




#73
 Carbazole
 Concen: 5.146 ng
 RT: 17.880 min Scan# 2526
 Delta R.T. 0.001 min
 Lab File: BG049184.D
 Acq: 6 Jul 2021 12:30

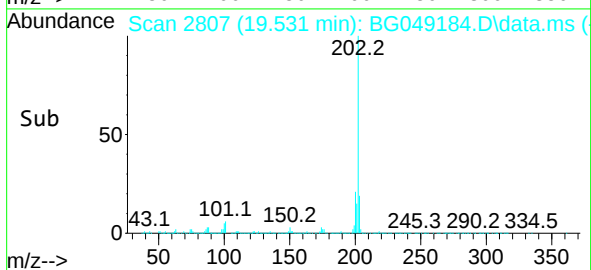
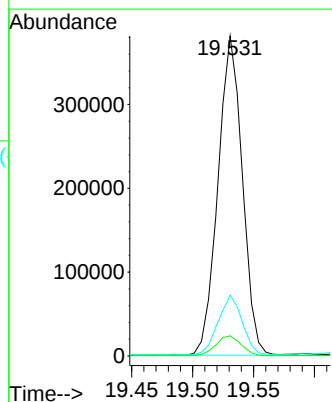
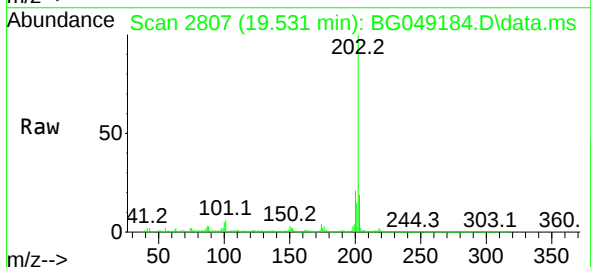
Instrument :
 BNA_G
 ClientSampleId :
 P-D20DL

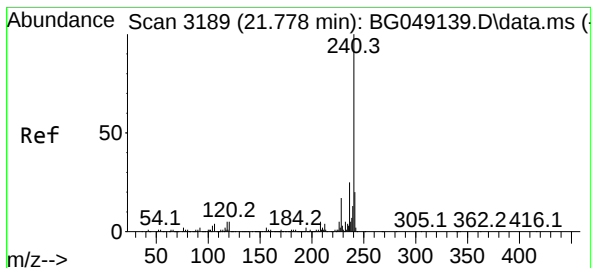
Tgt Ion:167 Resp: 62563
 Ion Ratio Lower Upper
 167 100
 166 24.7 17.4 26.2
 139 13.8 10.7 16.1



#75
 Fluoranthene
 Concen: 33.076 ng
 RT: 19.531 min Scan# 2807
 Delta R.T. 0.001 min
 Lab File: BG049184.D
 Acq: 6 Jul 2021 12:30

Tgt Ion:202 Resp: 529680
 Ion Ratio Lower Upper
 202 100
 101 6.3 0.0 24.7
 203 19.0 0.0 38.5

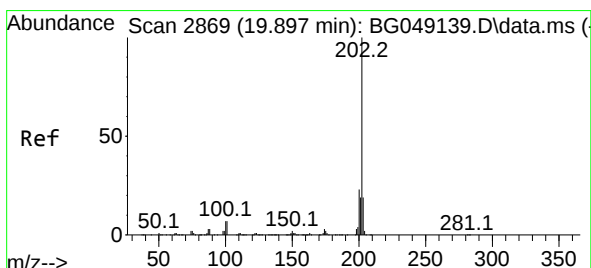
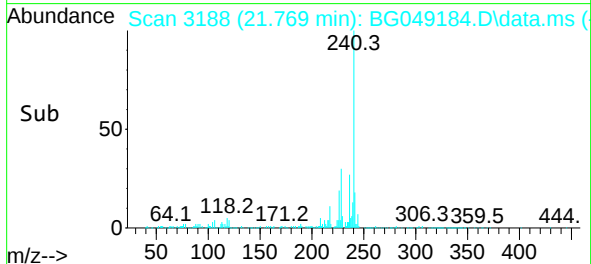
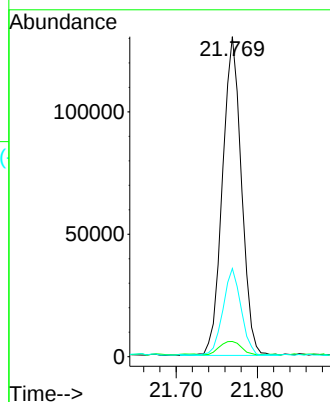
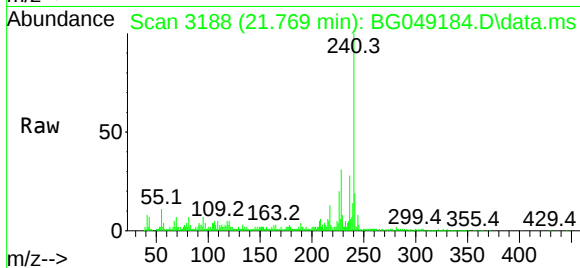




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.769 min Scan# 3188
Delta R.T. 0.006 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

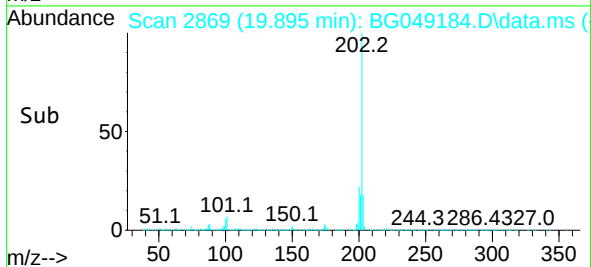
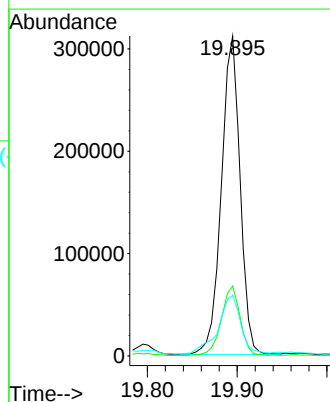
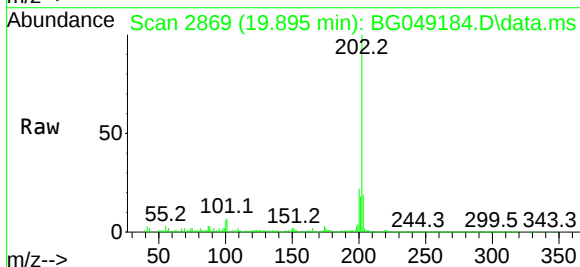
Instrument :
BNA_G
ClientSampleId :
P-D20DL

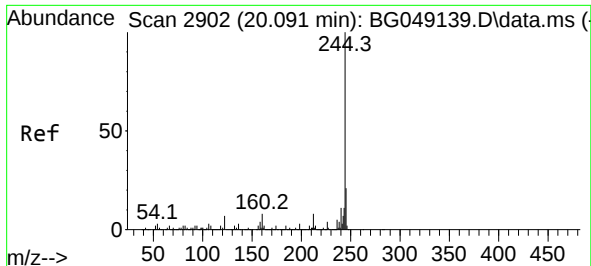
Tgt Ion:240 Resp: 212012
Ion Ratio Lower Upper
240 100
120 4.8 4.2 6.2
236 27.5 21.8 32.6



#78
Pyrene
Concen: 28.517 ng
RT: 19.895 min Scan# 2869
Delta R.T. 0.006 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:202 Resp: 449057
Ion Ratio Lower Upper
202 100
200 21.9 15.8 23.8
203 18.9 14.6 21.8

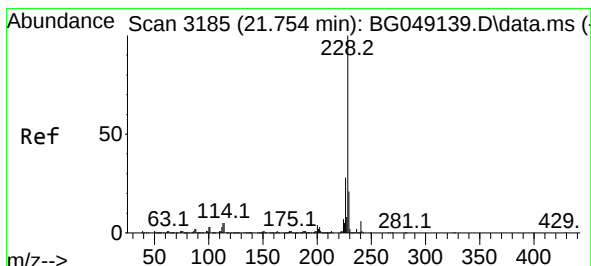
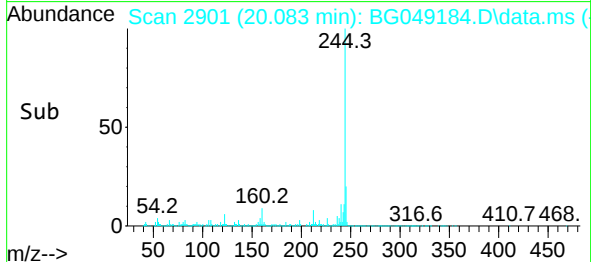
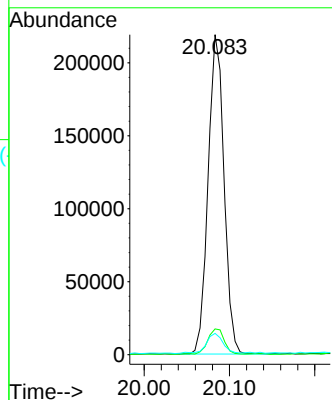
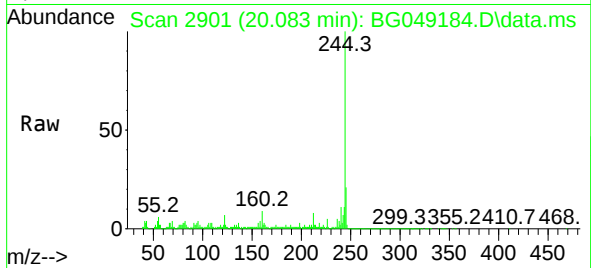




#79
Terphenyl-d14
Concen: 22.700 ng
RT: 20.083 min Scan# 2901
Delta R.T. 0.001 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

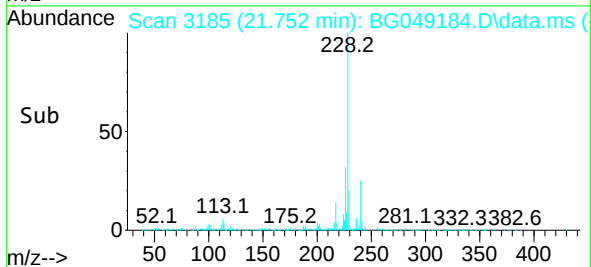
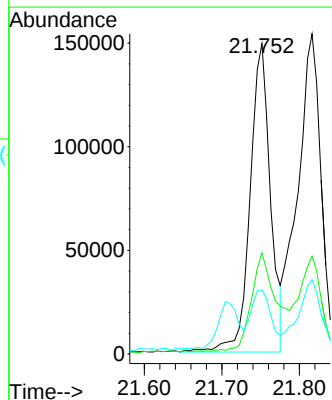
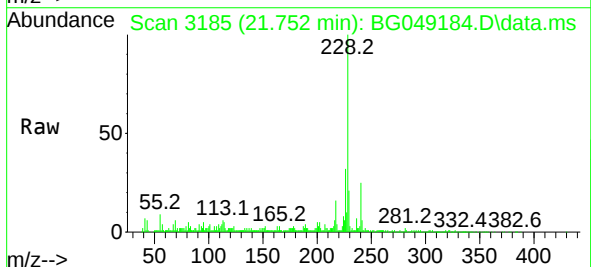
Instrument :
BNA_G
ClientSampleId :
P-D20DL

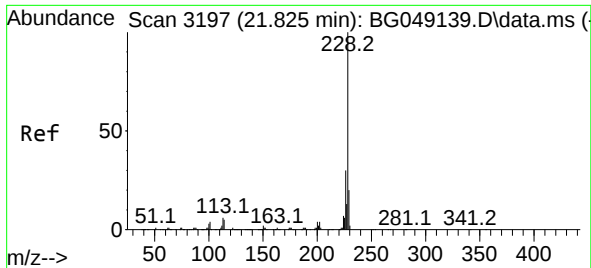
Tgt Ion:244 Resp: 284017
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 6.7 5.0 7.6



#81
Benzo(a)anthracene
Concen: 17.111 ng
RT: 21.752 min Scan# 3185
Delta R.T. 0.006 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:228 Resp: 270586
Ion Ratio Lower Upper
228 100
226 32.5 22.7 34.1
229 20.7 16.0 24.0

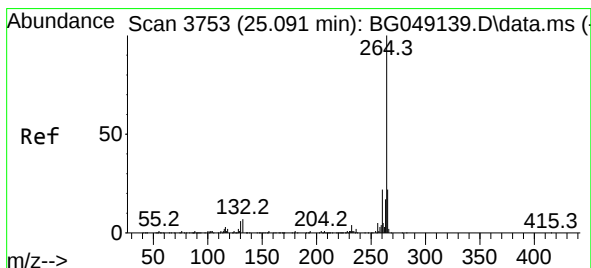
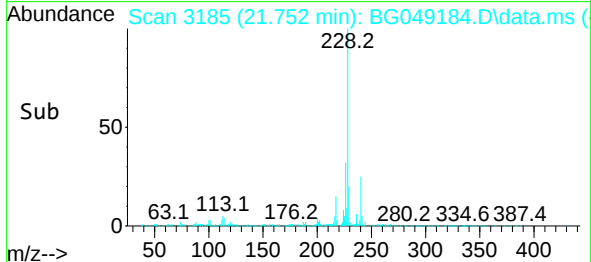
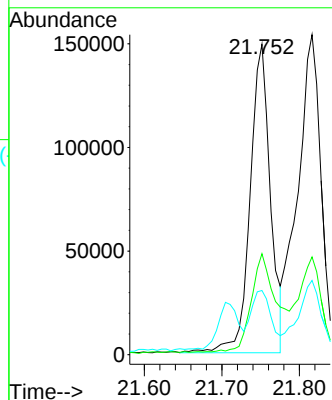
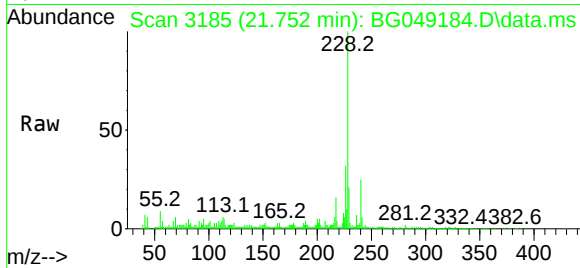




#83
Chrysene
Concen: 18.012 ng
RT: 21.752 min Scan# 3185
Delta R.T. -0.058 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

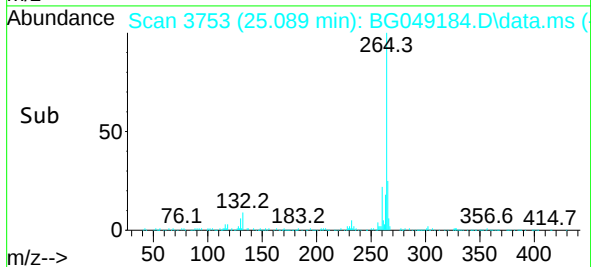
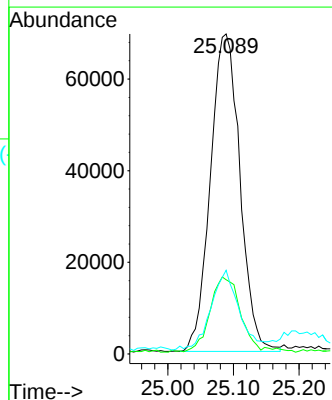
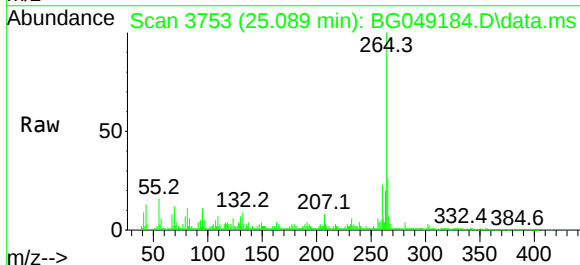
Instrument :
BNA_G
ClientSampleId :
P-D20DL

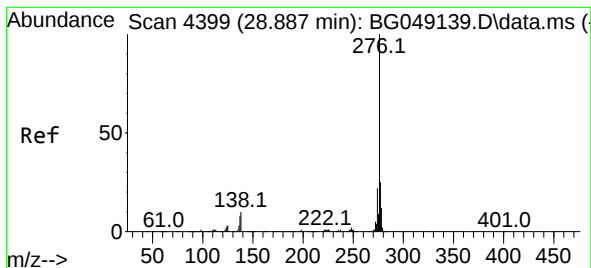
Tgt Ion:228 Resp: 270586
Ion Ratio Lower Upper
228 100
226 32.5 23.1 34.7
229 20.7 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.089 min Scan# 3753
Delta R.T. 0.024 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:264 Resp: 216838
Ion Ratio Lower Upper
264 100
260 23.2 19.4 29.2
265 26.2 16.9 25.3#

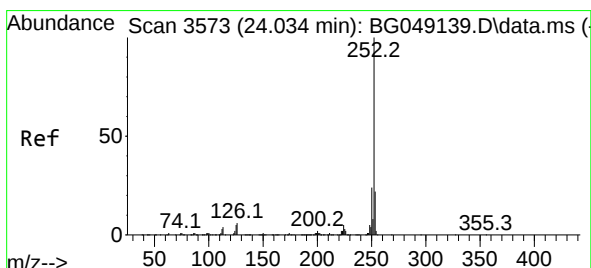
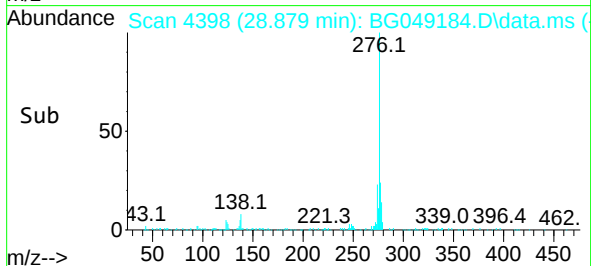
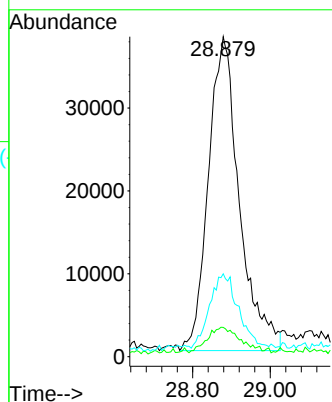
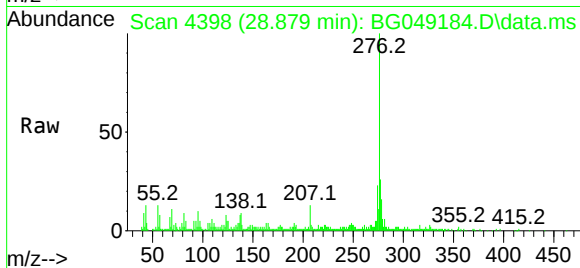




#87
Indeno(1,2,3-cd)pyrene
Concen: 12.139 ng
RT: 28.879 min Scan# 4398
Delta R.T. 0.018 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

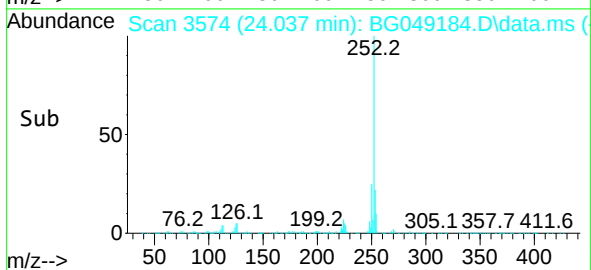
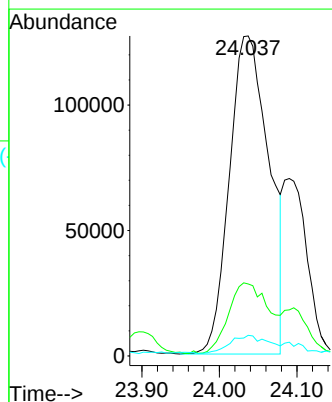
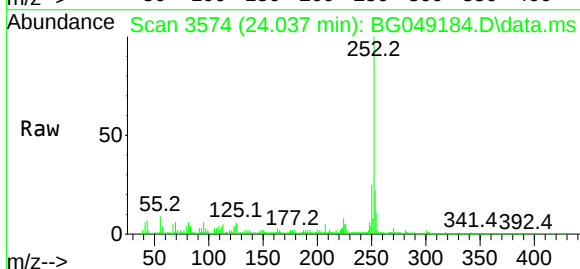
Instrument :
BNA_G
ClientSampleId :
P-D20DL

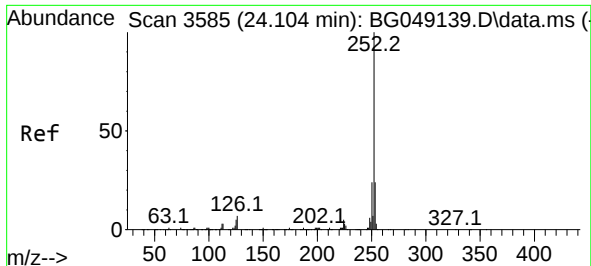
Tgt Ion:276 Resp: 210030
Ion Ratio Lower Upper
276 100
138 8.5 5.1 7.7#
277 21.8 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 28.776 ng
RT: 24.037 min Scan# 3574
Delta R.T. 0.018 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:252 Resp: 450281
Ion Ratio Lower Upper
252 100
253 22.5 16.2 24.4
125 6.5 3.0 4.4#

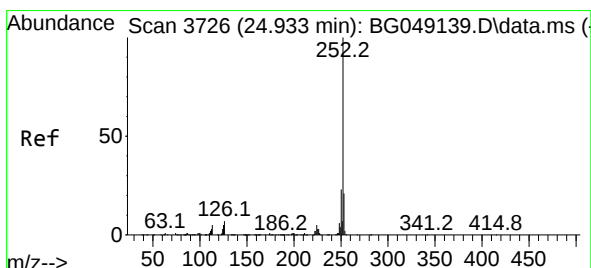
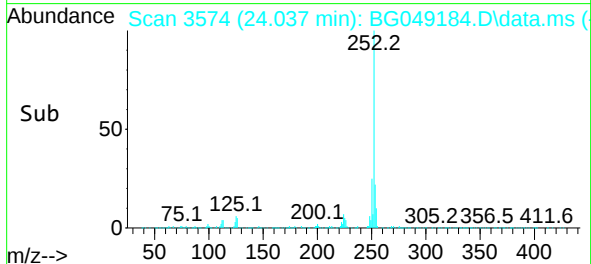
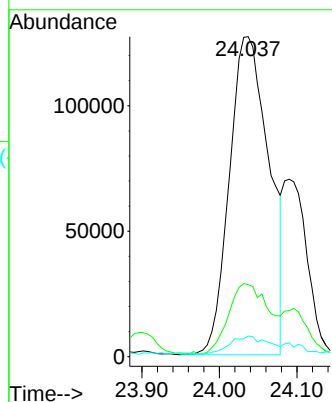
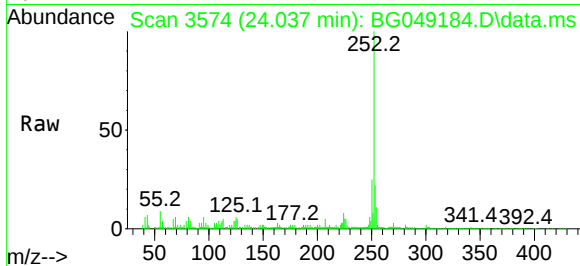




#89
Benzo(k)fluoranthene
Concen: 30.164 ng
RT: 24.037 min Scan# 3574
Delta R.T. -0.052 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

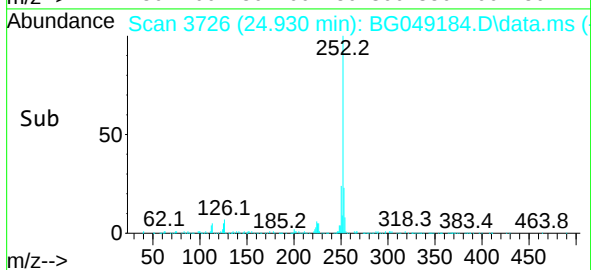
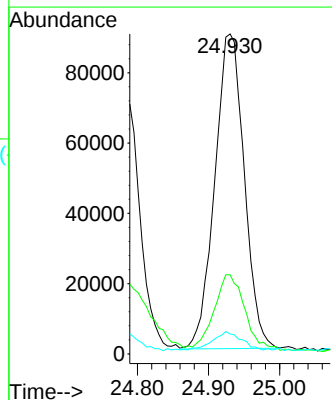
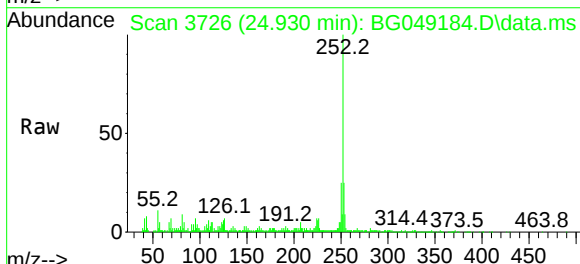
Instrument :
BNA_G
ClientSampleId :
P-D20DL

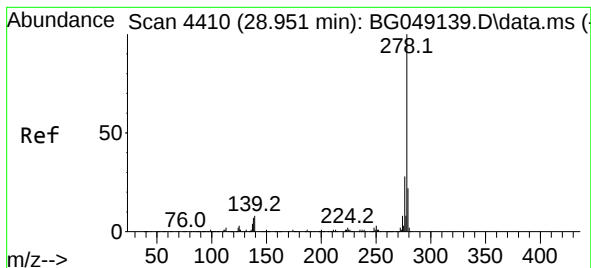
Tgt Ion:252 Resp: 450281
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 6.5 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 17.842 ng
RT: 24.930 min Scan# 3726
Delta R.T. 0.018 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:252 Resp: 257543
Ion Ratio Lower Upper
252 100
253 24.8 16.6 25.0
125 6.3 3.5 5.3#

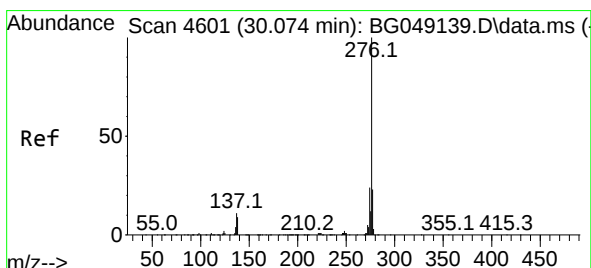
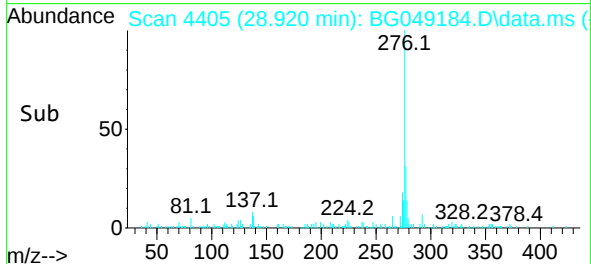
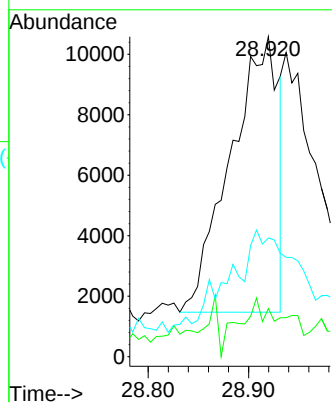
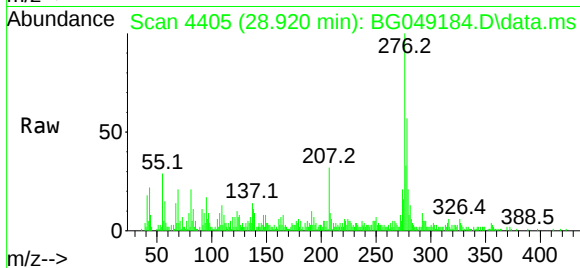




#91
Dibenzo(a,h)anthracene
Concen: 2.064 ng
RT: 28.920 min Scan# 4405
Delta R.T. -0.005 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Instrument :
BNA_G
ClientSampleId :
P-D20DL

Tgt Ion:278 Resp: 30143
Ion Ratio Lower Upper
278 100
139 15.1 4.6 6.8#
279 37.1 17.9 26.9#



#92
Benzo(g,h,i)perylene
Concen: 13.660 ng
RT: 30.065 min Scan# 4600
Delta R.T. 0.030 min
Lab File: BG049184.D
Acq: 6 Jul 2021 12:30

Tgt Ion:276 Resp: 196653
Ion Ratio Lower Upper
276 100
277 24.9 18.4 27.6
138 10.7 7.0 10.6#

