

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051117.D
 Acq On : 18 Nov 2021 22:59
 Operator : CG/JU
 Sample : M4693-01DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UT-COMP-01DL

Quant Time: Nov 19 01:38:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 01:16:08 2021
 Response via : Initial Calibration

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

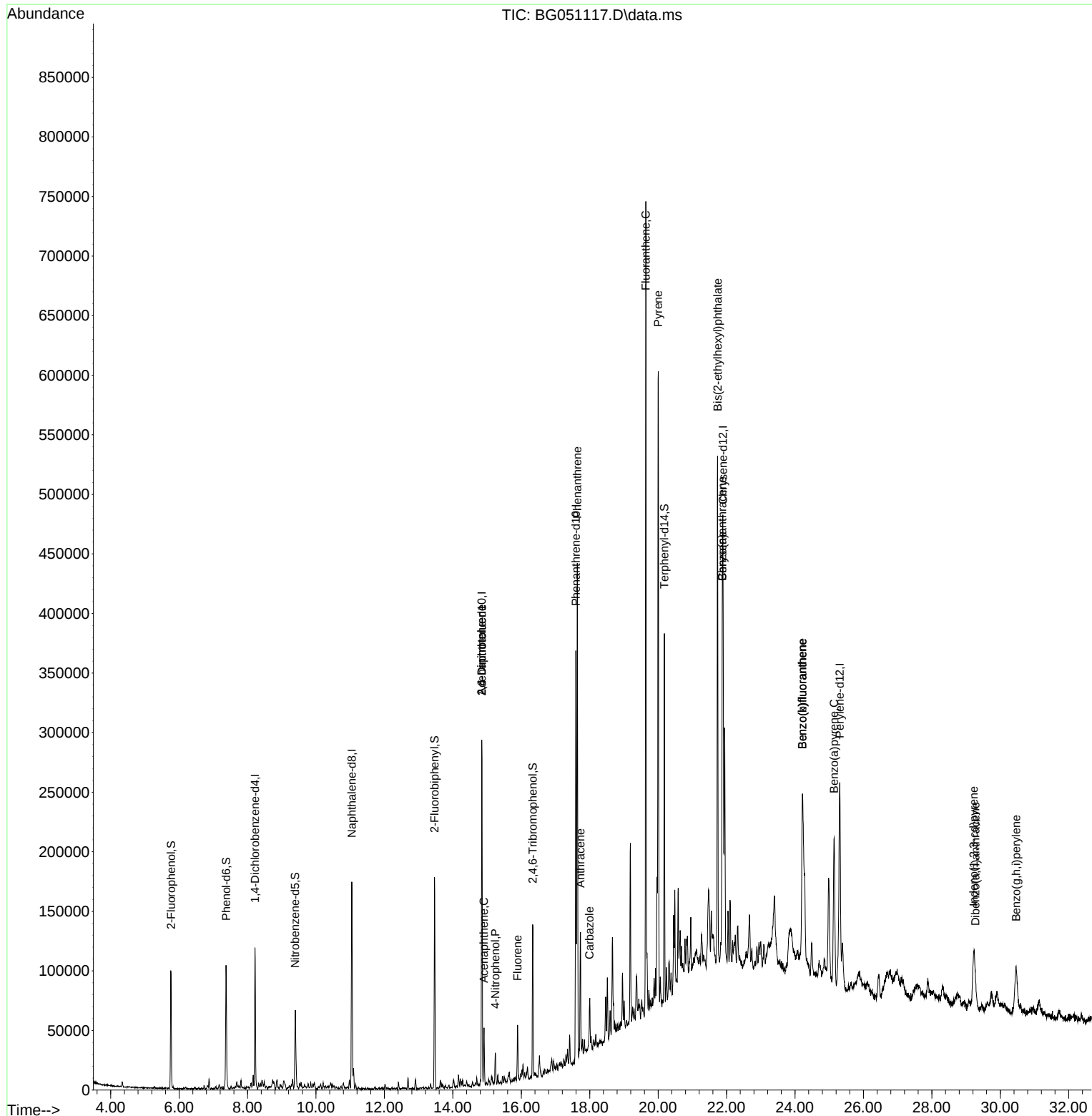
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	33292	20.000	ng	-0.01
21) Naphthalene-d8	11.044	136	147438	20.000	ng	#-0.01
39) Acenaphthene-d10	14.845	164	101097	20.000	ng	-0.01
64) Phenanthrene-d10	17.595	188	208730	20.000	ng	# 0.00
76) Chrysene-d12	21.896	240	177533	20.000	ng	# 0.00
86) Perylene-d12	25.309	264	183151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	45860	20.606	ng	0.00
7) Phenol-d6	7.372	99	62379	19.858	ng	0.00
23) Nitrobenzene-d5	9.393	82	41705	12.521	ng	-0.01
42) 2,4,6-Tribromophenol	16.338	330	21095	20.851	ng	0.00
45) 2-Fluorobiphenyl	13.465	172	90312	14.115	ng	-0.01
79) Terphenyl-d14	20.180	244	131086	14.061	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.623	88	248	Below Cal	#	40
51) 2,6-Dinitrotoluene	14.845	165	13691	8.363	ng	# 11
52) Acenaphthene	14.910	154	16980	3.113	ng	87
56) 4-Nitrophenol	15.245	139	5664	3.870	ng	# 1
57) 2,4-Dinitrotoluene	14.845	165	13691	5.894	ng	# 16
58) Fluorene	15.891	166	21347	2.948	ng	99
71) Phenanthrene	17.636	178	257561	23.133	ng	97
72) Anthracene	17.730	178	68513	6.187	ng	96
73) Carbazole	17.994	167	27077	2.469	ng	# 94
75) Fluoranthene	19.640	202	413786	30.293	ng	96
78) Pyrene	20.004	202	355696	26.707	ng	99
81) Benzo(a)anthracene	21.872	228	165978	13.616	ng	99
83) Chrysene	21.872	228	165978	14.433	ng	98
84) Bis(2-ethylhexyl)phtha...	21.737	149	177368	22.003	ng	96
87) Indeno(1,2,3-cd)pyrene	29.223	276	87542	6.734	ng	# 98
88) Benzo(b)fluoranthene	24.217	252	188479	16.349	ng	# 91
89) Benzo(k)fluoranthene	24.217	252	188479	16.392	ng	# 96
90) Benzo(a)pyrene	25.145	252	139184	14.141	ng	# 92
91) Dibenzo(a,h)anthracene	29.270	278	22496	2.102	ng	# 80
92) Benzo(g,h,i)perylene	30.462	276	89146	8.463	ng	# 92

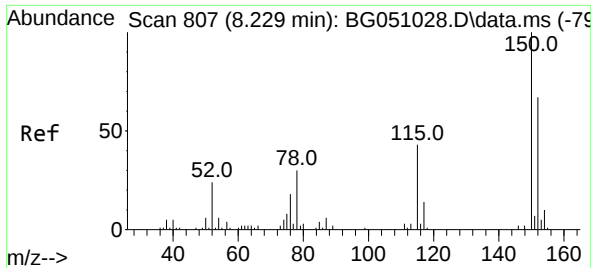
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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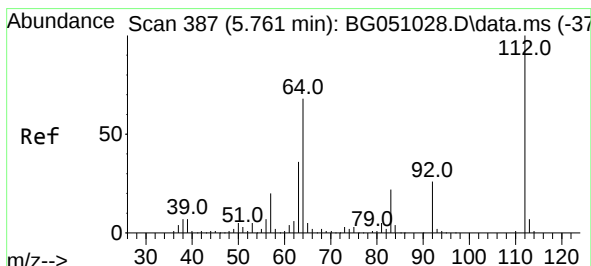
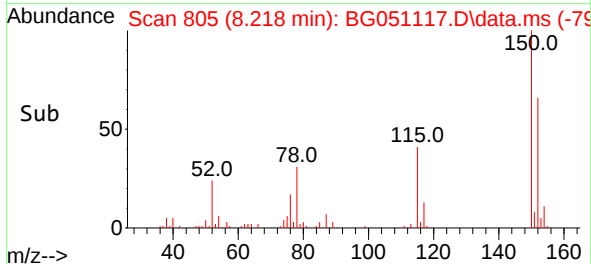
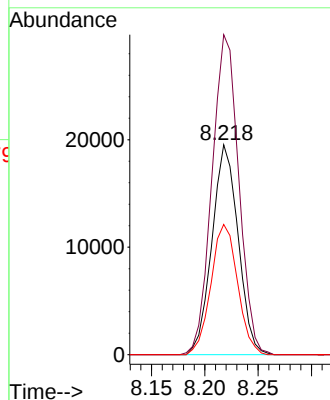
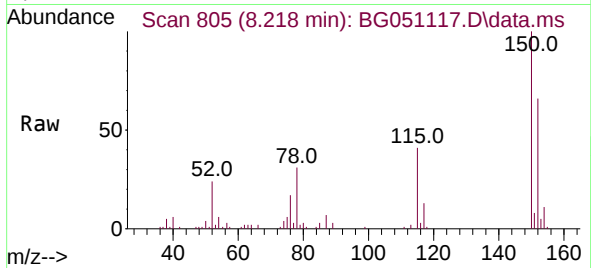




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 807
Delta R.T. -0.011 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

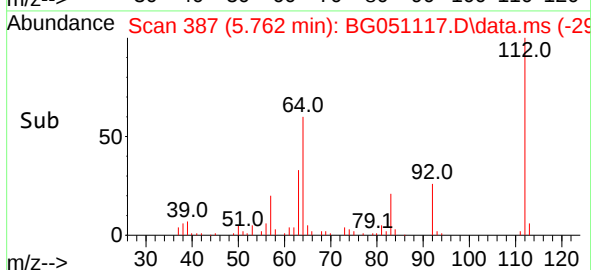
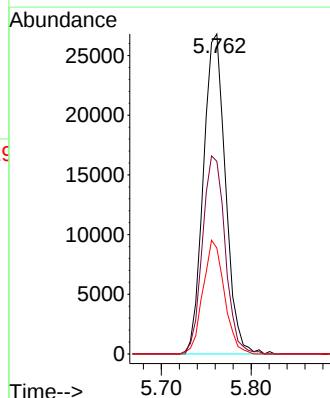
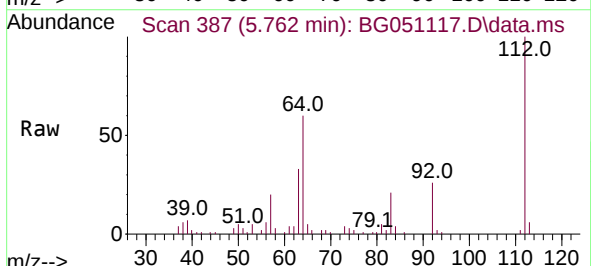
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01DL

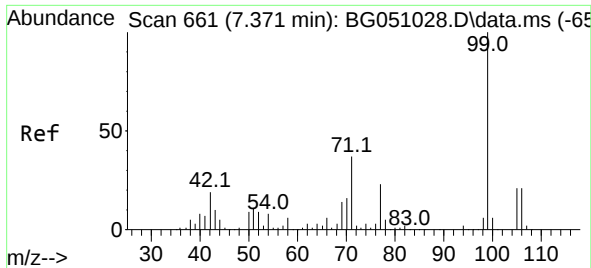
Tgt Ion:152 Resp: 33292
Ion Ratio Lower Upper
152 100
150 152.5 119.4 179.0
115 62.1 60.2 90.4



#5
2-Fluorophenol
Concen: 20.606 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:112 Resp: 45860
Ion Ratio Lower Upper
112 100
64 60.2 46.7 70.1
63 33.1 35.3 52.9#

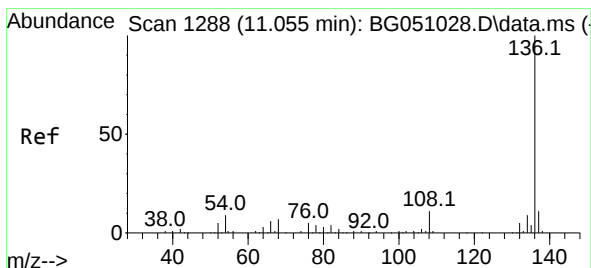
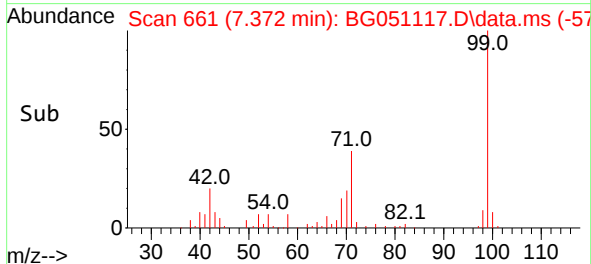
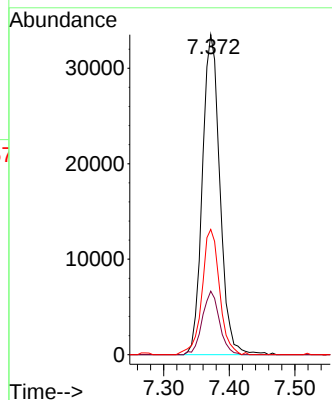
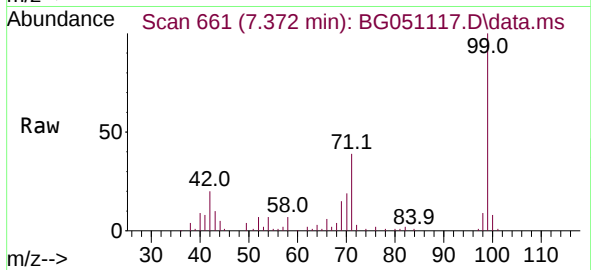




#7
Phenol-d6
Concen: 19.858 ng
RT: 7.372 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

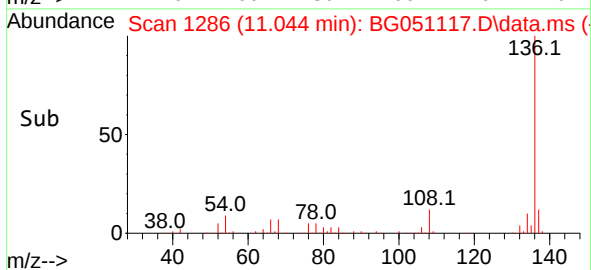
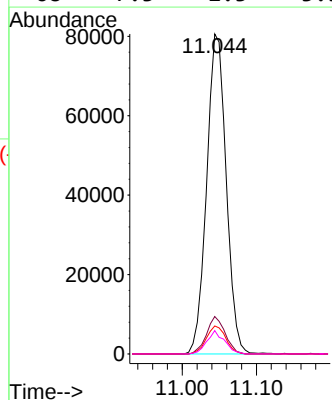
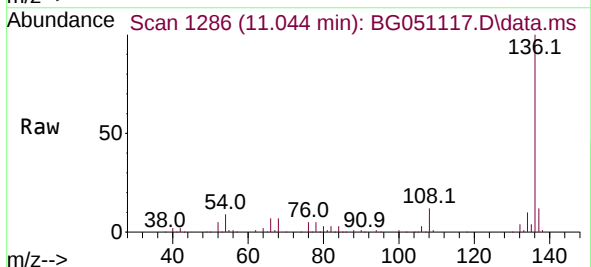
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01DL

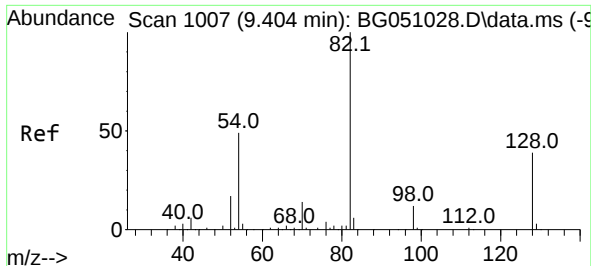
Tgt Ion: 99 Resp: 62379
Ion Ratio Lower Upper
99 100
42 19.8 20.5 30.7#
71 39.1 41.5 62.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1286
Delta R.T. -0.011 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion: 136 Resp: 147438
Ion Ratio Lower Upper
136 100
137 11.7 8.2 12.2
54 8.8 5.5 8.3#
68 7.3 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 12.521 ng

RT: 9.393 min Scan# 1005

Delta R.T. -0.011 min

Lab File: BG051117.D

Acq: 18 Nov 2021 22:59

Instrument :

BNA_G

ClientSampleId :

UT-COMP-01DL

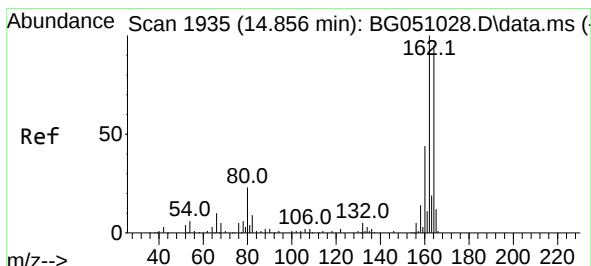
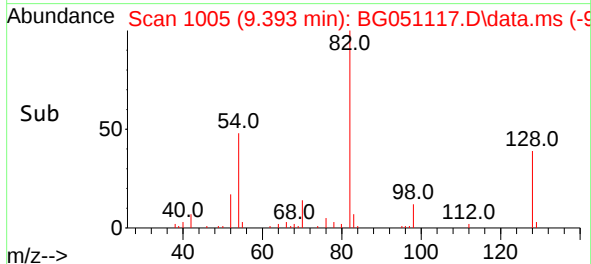
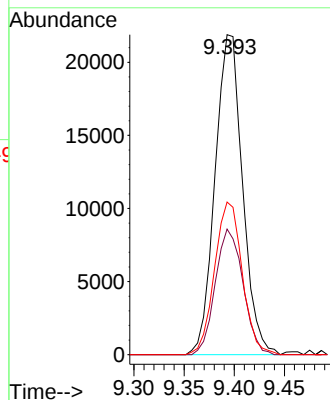
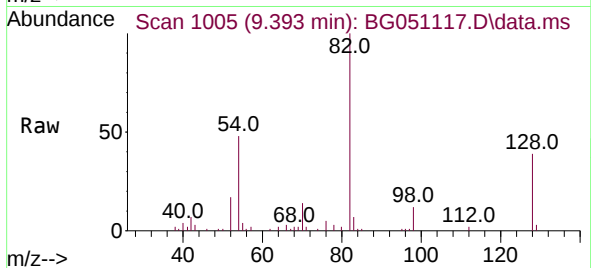
Tgt Ion: 82 Resp: 41705

Ion Ratio Lower Upper

82 100

128 39.2 29.8 44.6

54 47.7 45.8 68.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.845 min Scan# 1933

Delta R.T. -0.011 min

Lab File: BG051117.D

Acq: 18 Nov 2021 22:59

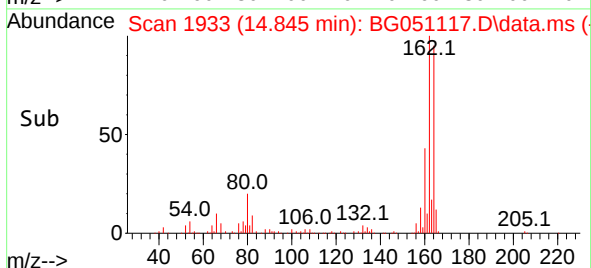
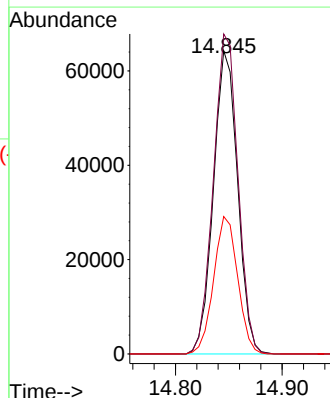
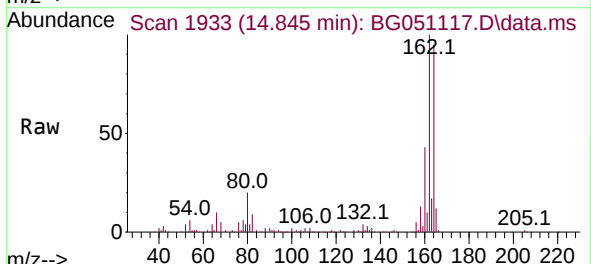
Tgt Ion:164 Resp: 101097

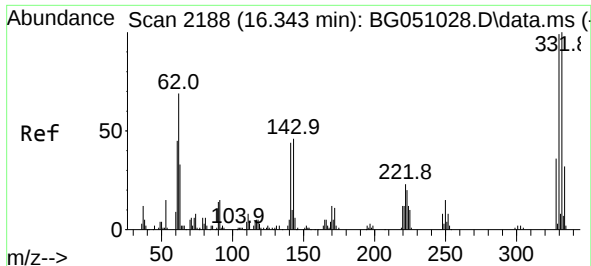
Ion Ratio Lower Upper

164 100

162 105.5 81.4 122.0

160 45.3 34.9 52.3

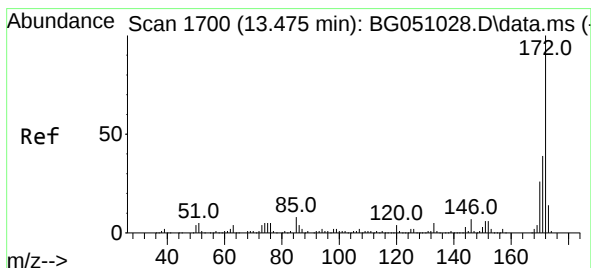
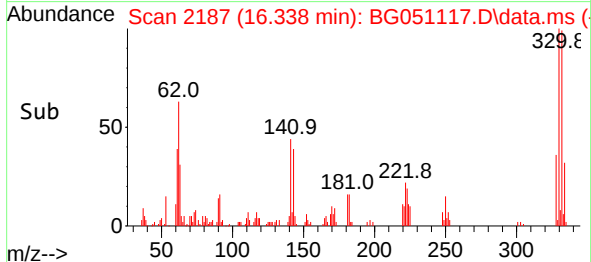
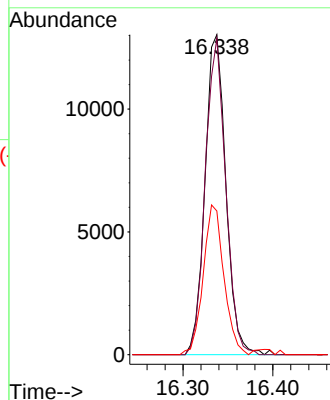
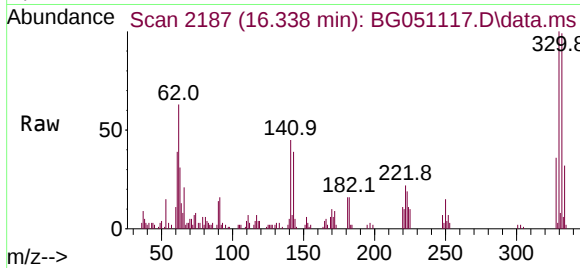




#42
2,4,6-Tribromophenol
Concen: 20.851 ng
RT: 16.338 min Scan# 2188
Delta R.T. -0.005 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

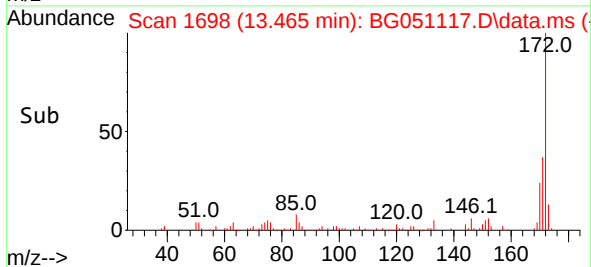
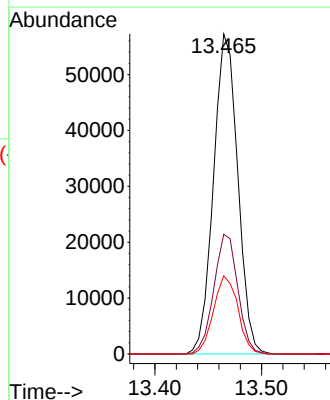
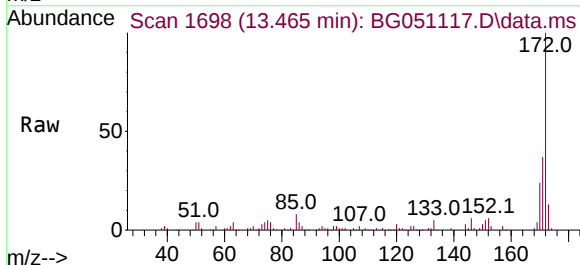
Instrument :
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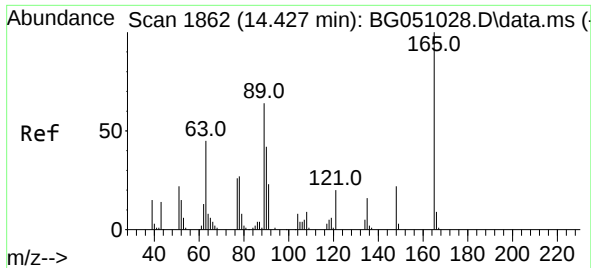
Tgt Ion:330 Resp: 21095
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 46.3 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 14.115 ng
RT: 13.465 min Scan# 1698
Delta R.T. -0.010 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:172 Resp: 90312
Ion Ratio Lower Upper
172 100
171 37.4 28.6 43.0
170 24.4 18.6 27.8

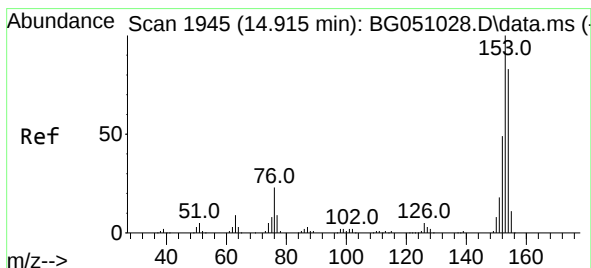
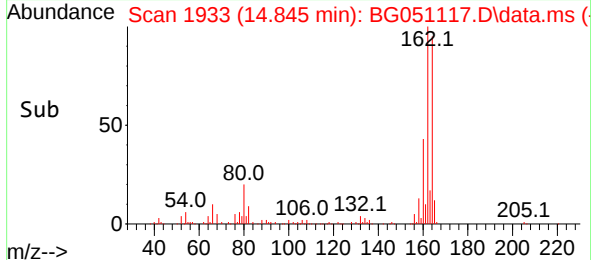
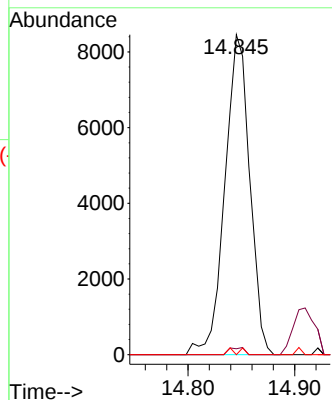
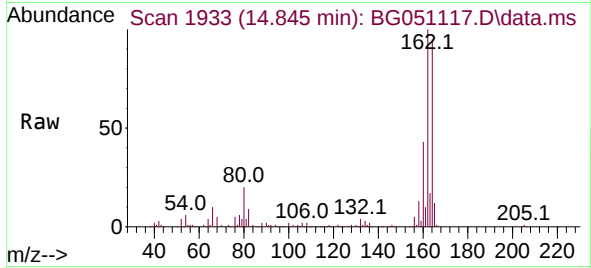




#51
2,6-Dinitrotoluene
Concen: 8.363 ng
RT: 14.845 min Scan# 1933
Delta R.T. 0.418 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

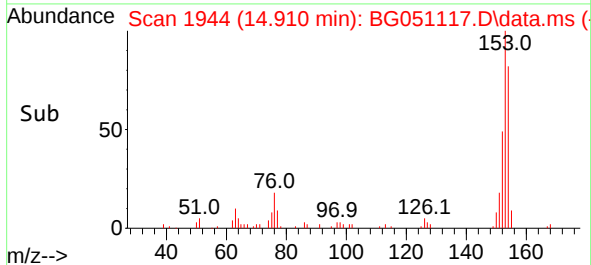
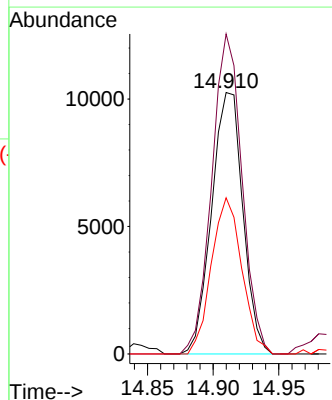
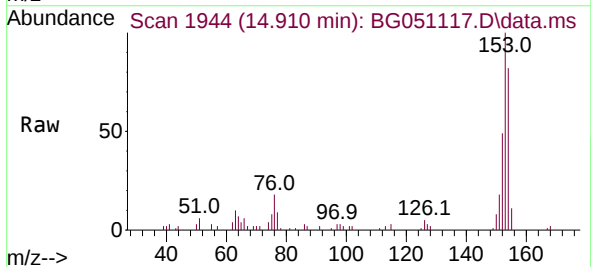
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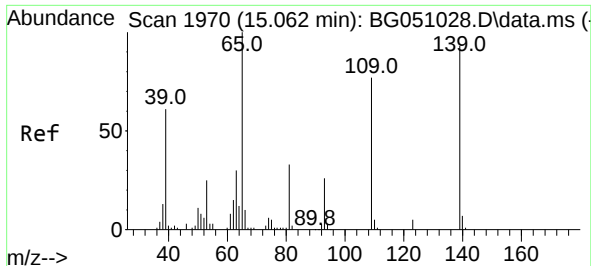
Tgt Ion:165 Resp: 13691
Ion Ratio Lower Upper
165 100
63 1.8 63.3 94.9#
89 0.0 63.4 95.0#



#52
Acenaphthene
Concen: 3.113 ng
RT: 14.910 min Scan# 1944
Delta R.T. -0.005 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:154 Resp: 16980
Ion Ratio Lower Upper
154 100
153 122.4 87.0 130.4
152 59.7 40.1 60.1

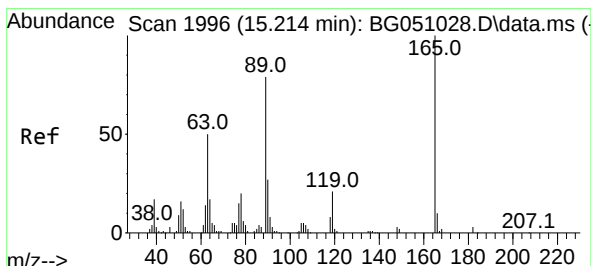
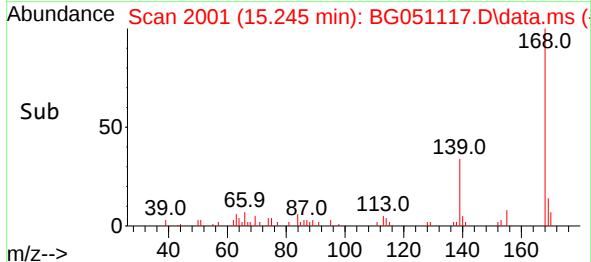
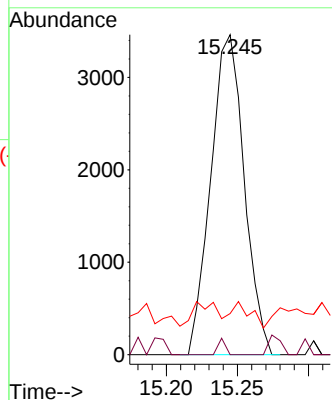
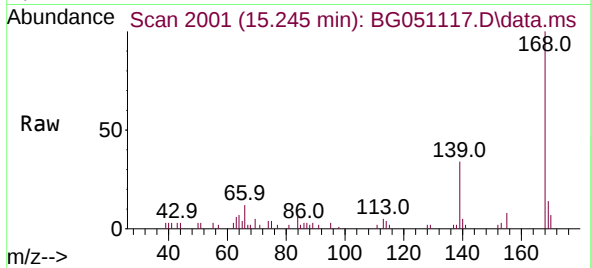




#56
4-Nitrophenol
Concen: 3.870 ng
RT: 15.245 min Scan# 20
Delta R.T. 0.183 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

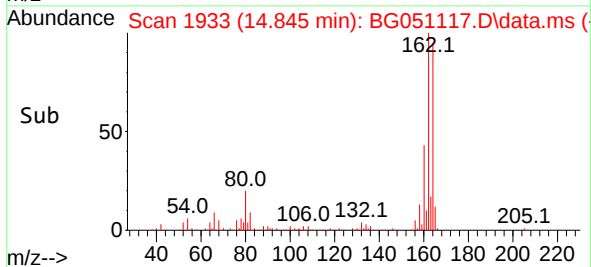
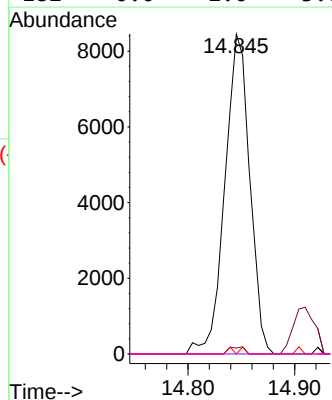
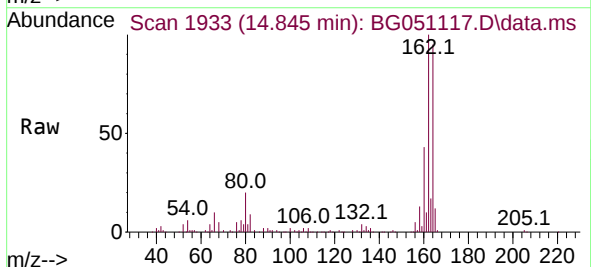
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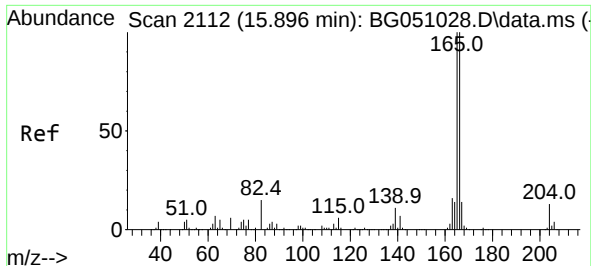
Tgt Ion:139 Resp: 5664
Ion Ratio Lower Upper
139 100
109 0.0 116.3 156.3#
65 12.9 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 5.894 ng
RT: 14.845 min Scan# 1933
Delta R.T. -0.369 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:165 Resp: 13691
Ion Ratio Lower Upper
165 100
63 1.8 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

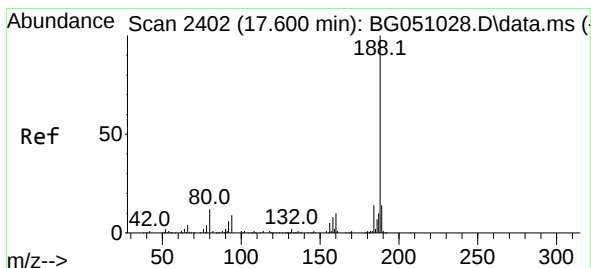
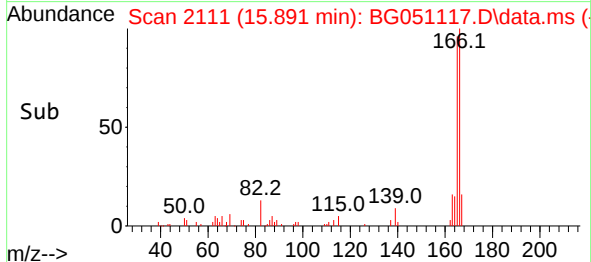
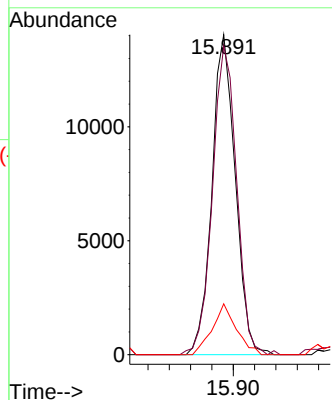
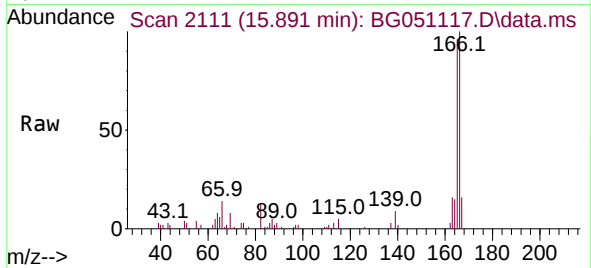




#58
Fluorene
Concen: 2.948 ng
RT: 15.891 min Scan# 2111
Delta R.T. -0.005 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

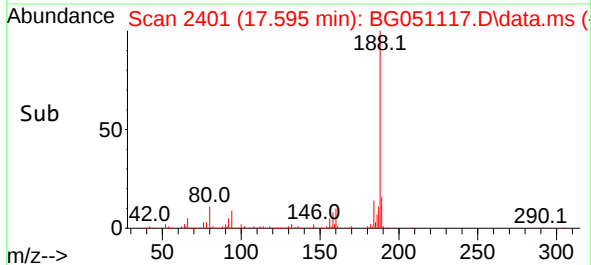
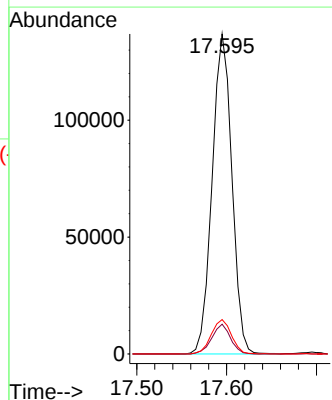
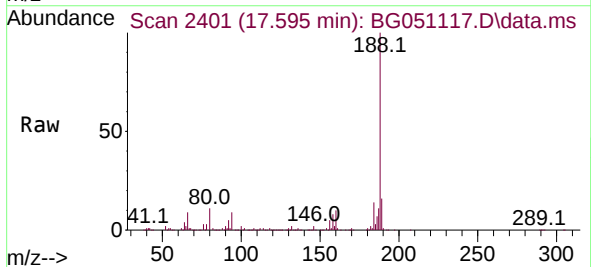
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UT-COMP-01DL

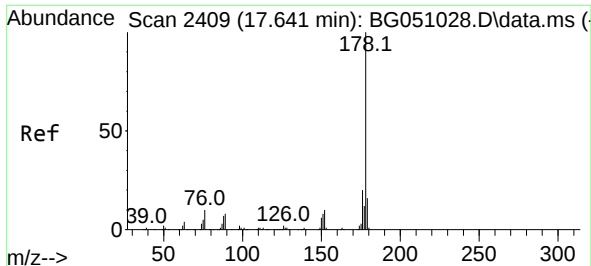
Tgt Ion:166 Resp: 21347
Ion Ratio Lower Upper
166 100
165 96.5 77.7 116.5
167 15.9 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.595 min Scan# 2401
Delta R.T. -0.005 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:188 Resp: 208730
Ion Ratio Lower Upper
188 100
94 9.3 5.4 8.0#
80 10.8 3.7 5.5#

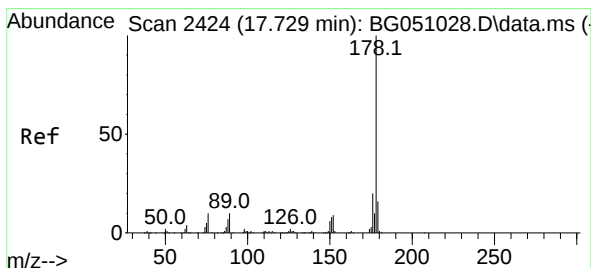
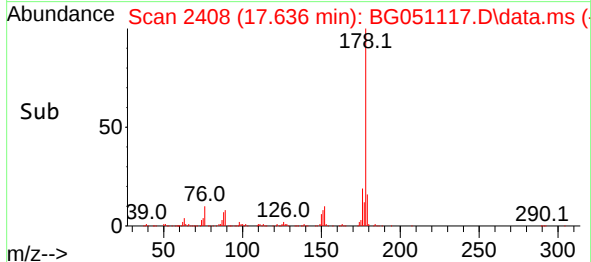
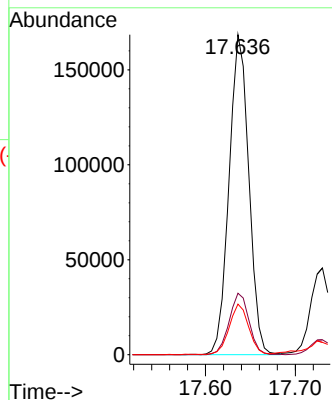
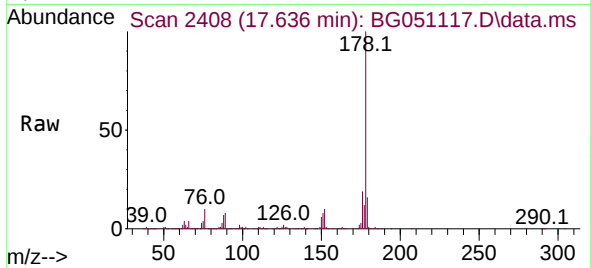




#71
Phenanthrene
Concen: 23.133 ng
RT: 17.636 min Scan# 2409
Delta R.T. -0.005 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

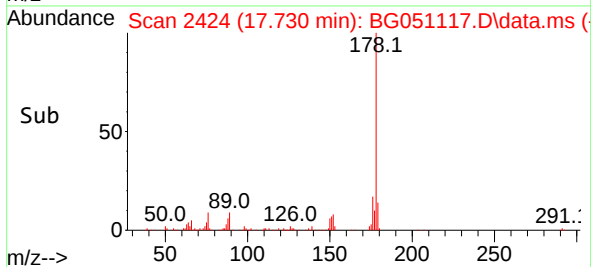
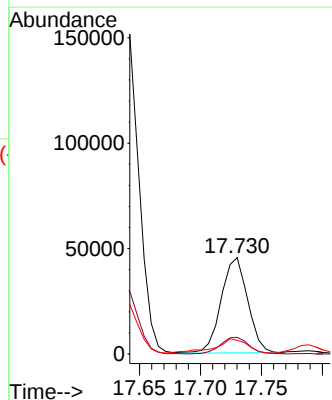
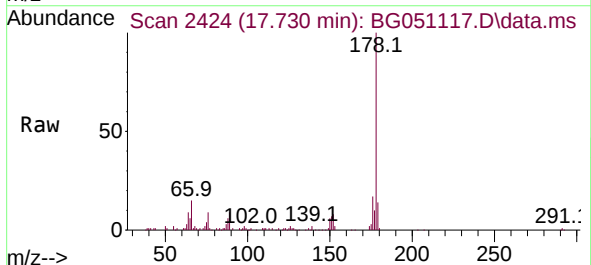
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01DL

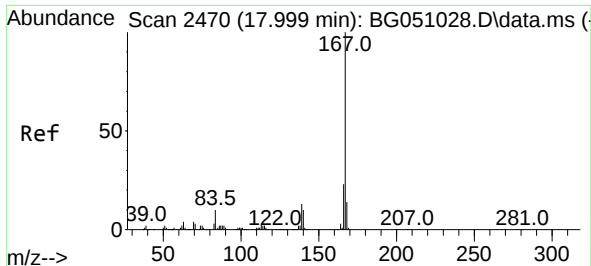
Tgt Ion:178 Resp: 257561
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.8 14.2 21.4



#72
Anthracene
Concen: 6.187 ng
RT: 17.730 min Scan# 2424
Delta R.T. 0.001 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:178 Resp: 68513
Ion Ratio Lower Upper
178 100
176 17.2 14.6 21.8
179 14.2 13.4 20.0

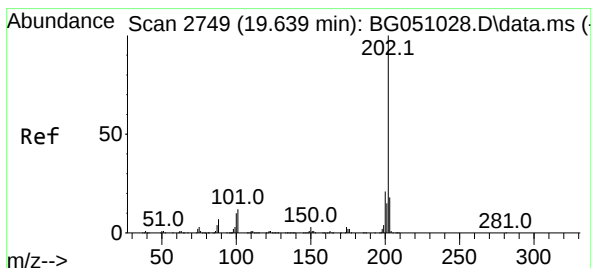
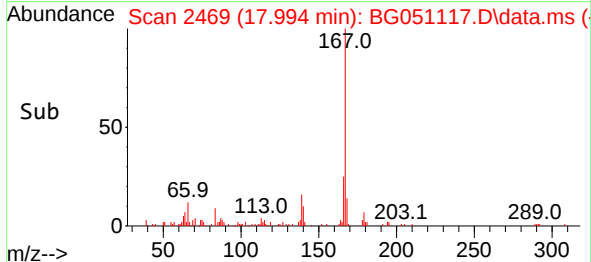
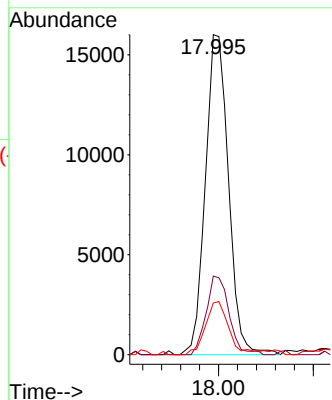
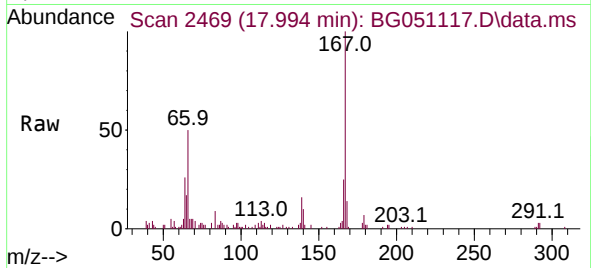




#73
 Carbazole
 Concen: 2.469 ng
 RT: 17.994 min Scan# 2470
 Delta R.T. -0.005 min
 Lab File: BG051117.D
 Acq: 18 Nov 2021 22:59

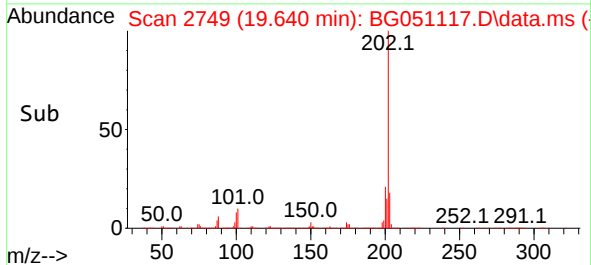
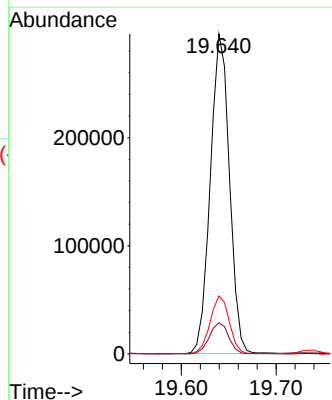
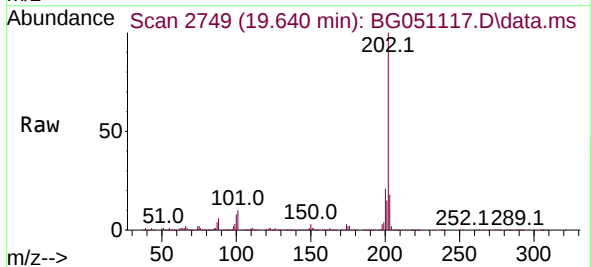
Instrument :
 BNA_G
 ClientSampleId :
 UT-COMP-01DL

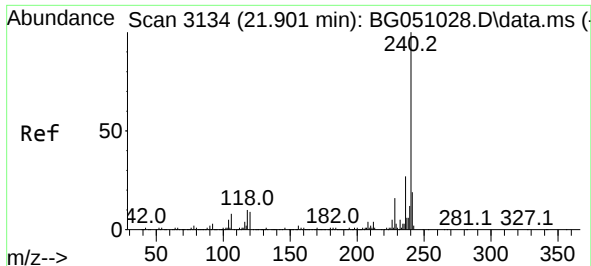
Tgt Ion:167 Resp: 27077
 Ion Ratio Lower Upper
 167 100
 166 24.6 17.4 26.2
 139 16.2 10.7 16.1#



#75
 Fluoranthene
 Concen: 30.293 ng
 RT: 19.640 min Scan# 2749
 Delta R.T. 0.001 min
 Lab File: BG051117.D
 Acq: 18 Nov 2021 22:59

Tgt Ion:202 Resp: 413786
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 24.7
 203 18.2 0.0 38.5

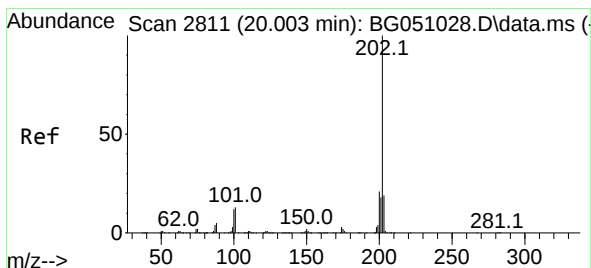
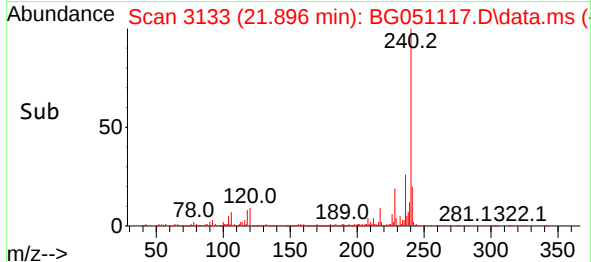
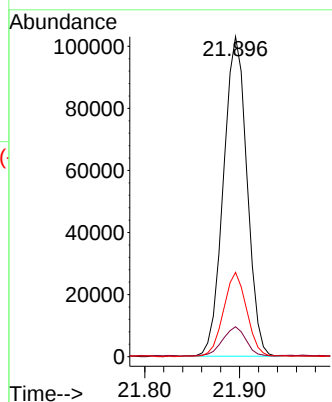
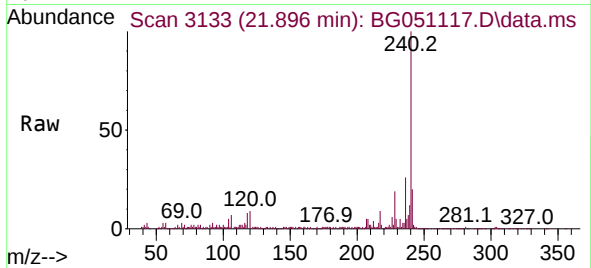




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3134
Delta R.T. -0.005 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

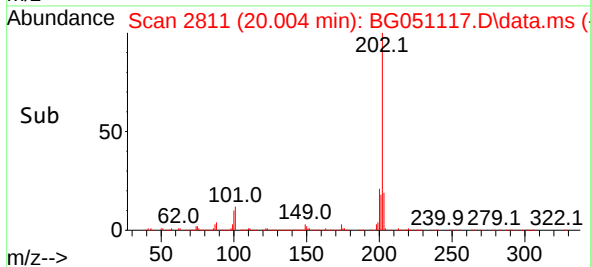
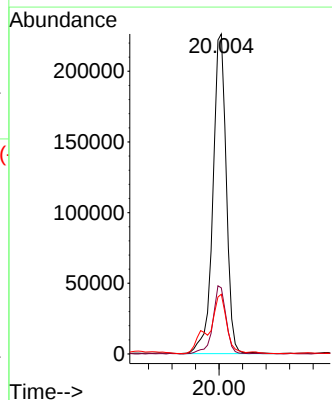
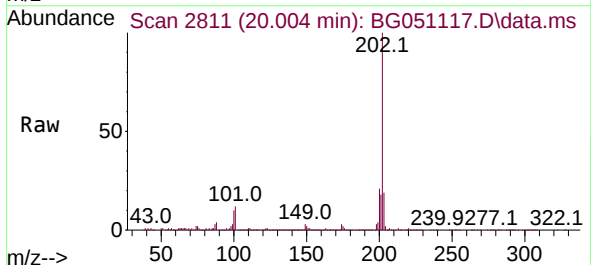
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01DL

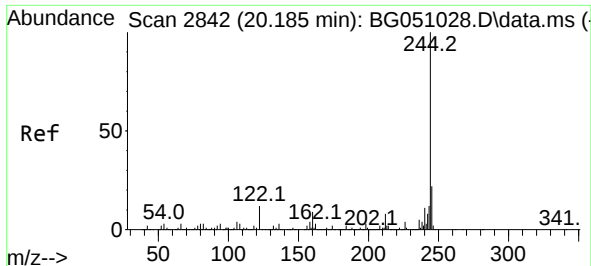
Tgt Ion:240 Resp: 177533
Ion Ratio Lower Upper
240 100
120 9.3 4.2 6.2#
236 26.4 21.8 32.6



#78
Pyrene
Concen: 26.707 ng
RT: 20.004 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:202 Resp: 355696
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.8
203 18.6 14.6 21.8

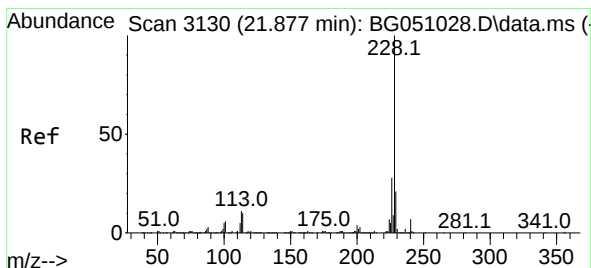
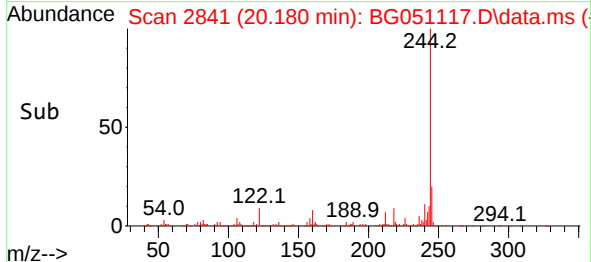
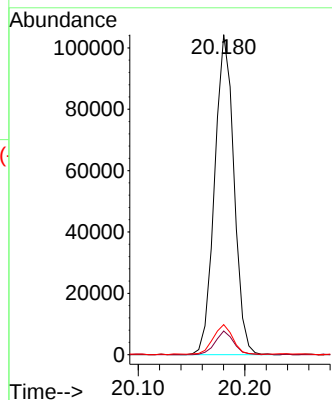
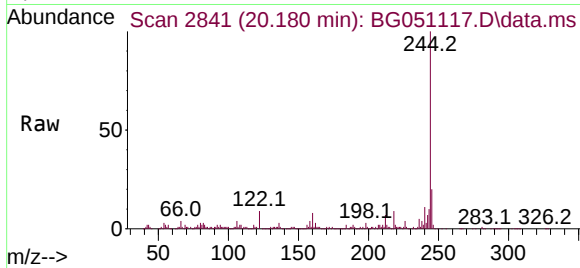




#79
 Terphenyl-d14
 Concen: 14.061 ng
 RT: 20.180 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG051117.D
 Acq: 18 Nov 2021 22:59

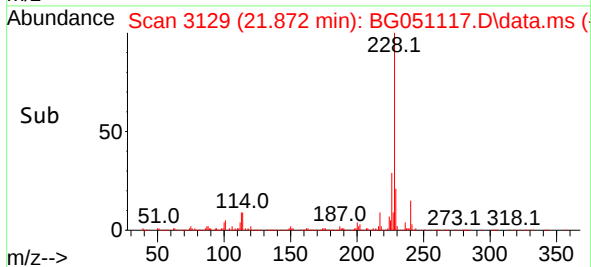
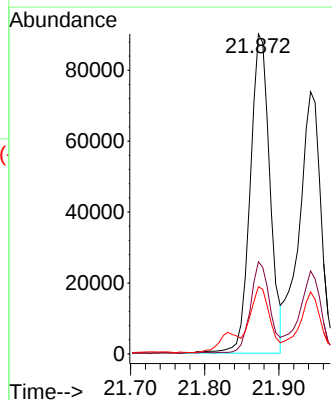
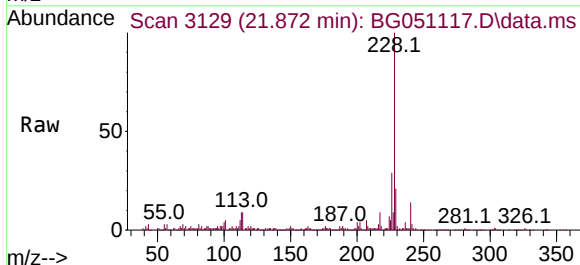
Instrument :
 BNA_G
 ClientSampleId :
 UT-COMP-01DL

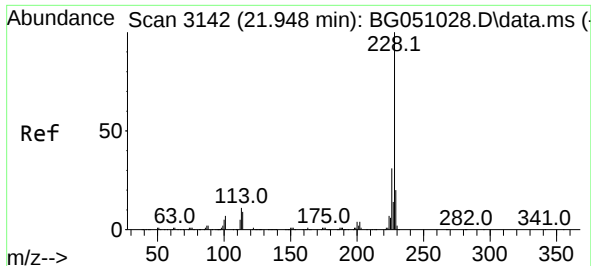
Tgt Ion:244 Resp: 131086
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.9 10.3
 122 9.4 5.0 7.6#



#81
 Benzo(a)anthracene
 Concen: 13.616 ng
 RT: 21.872 min Scan# 3129
 Delta R.T. -0.005 min
 Lab File: BG051117.D
 Acq: 18 Nov 2021 22:59

Tgt Ion:228 Resp: 165978
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.7 34.1
 229 21.0 16.0 24.0

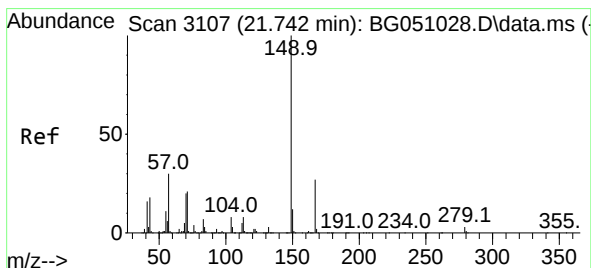
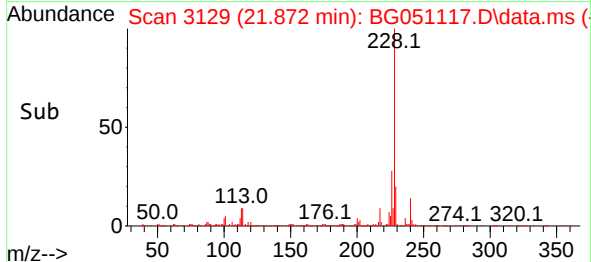
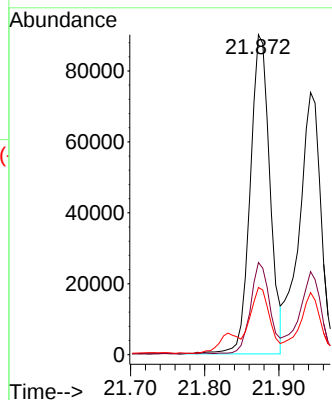
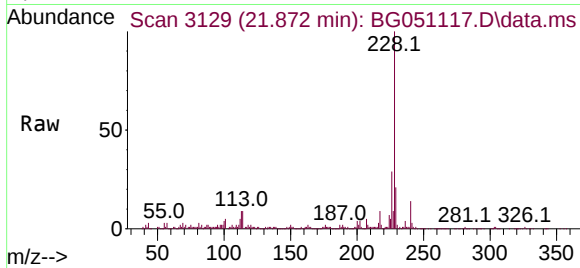




#83
Chrysene
Concen: 14.433 ng
RT: 21.872 min Scan# 3142
Delta R.T. -0.075 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

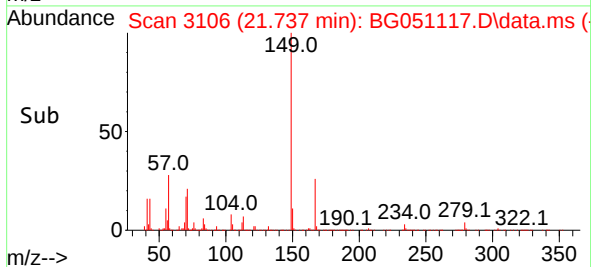
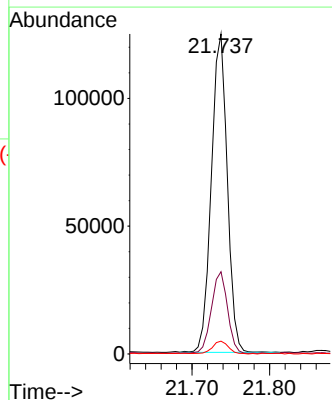
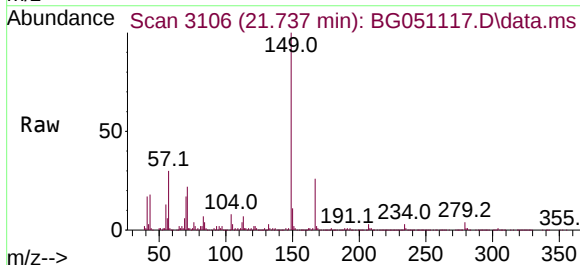
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01DL

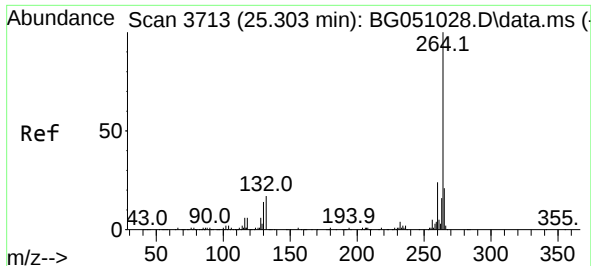
Tgt Ion:228 Resp: 165978
Ion Ratio Lower Upper
228 100
226 28.8 23.1 34.7
229 21.0 15.3 22.9



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.003 ng
RT: 21.737 min Scan# 3106
Delta R.T. -0.005 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:149 Resp: 177368
Ion Ratio Lower Upper
149 100
167 25.7 22.3 33.5
279 4.0 3.8 5.8

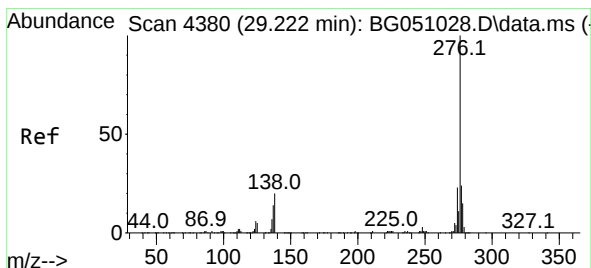
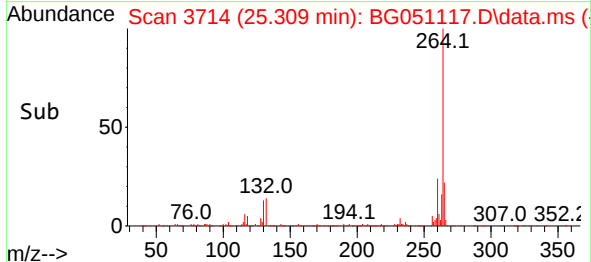
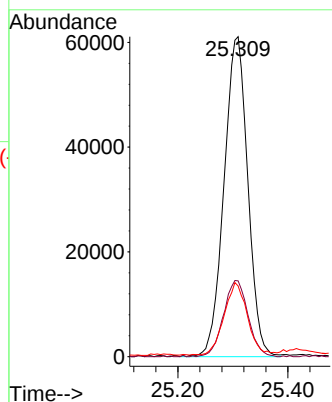
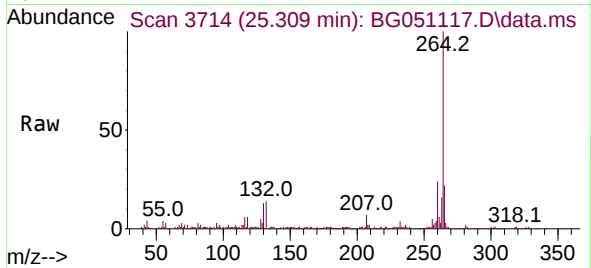




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.309 min Scan# 31
Delta R.T. 0.007 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

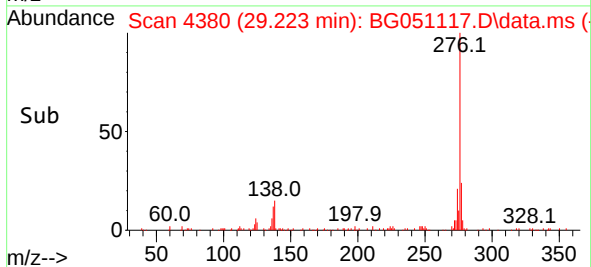
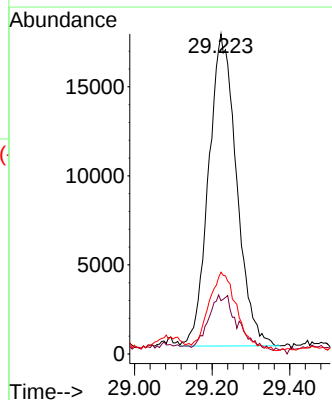
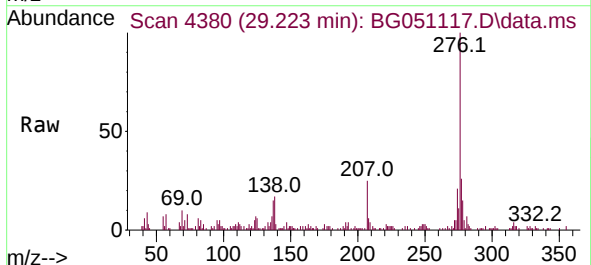
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01DL

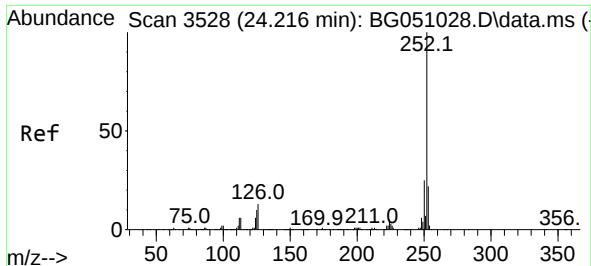
Tgt Ion:264 Resp: 183151
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.1 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.734 ng
RT: 29.223 min Scan# 4380
Delta R.T. 0.001 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:276 Resp: 87542
Ion Ratio Lower Upper
276 100
138 7.7 5.1 7.7#
277 25.6 19.8 29.6

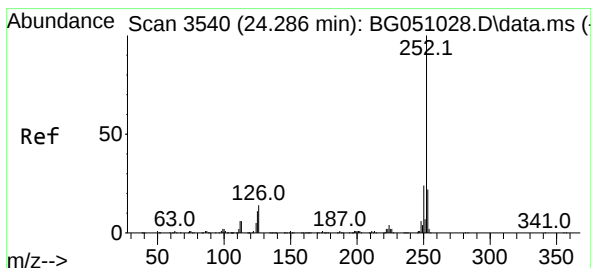
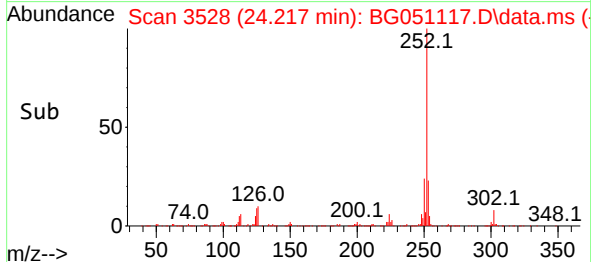
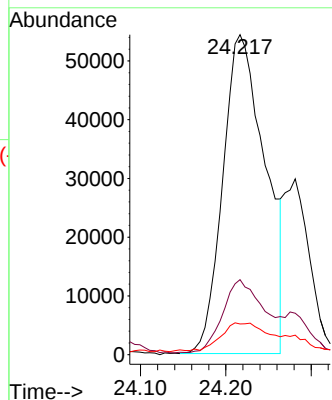
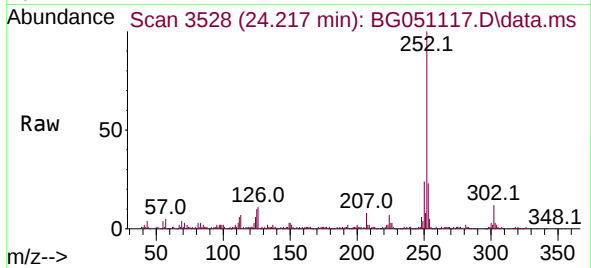




#88
Benzo(b)fluoranthene
Concen: 16.349 ng
RT: 24.217 min Scan# 3528
Delta R.T. 0.001 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

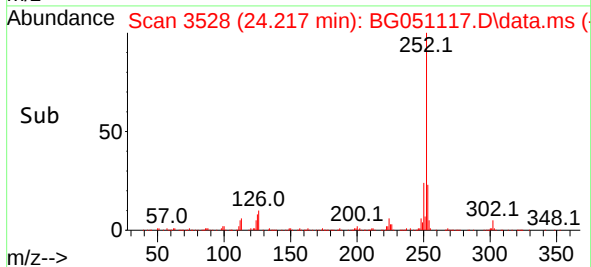
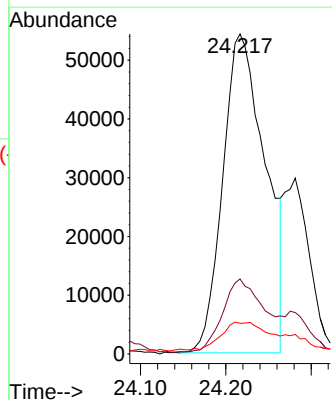
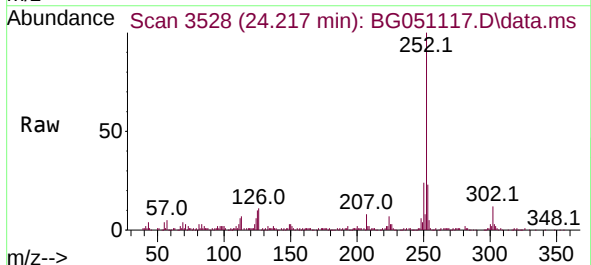
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01DL

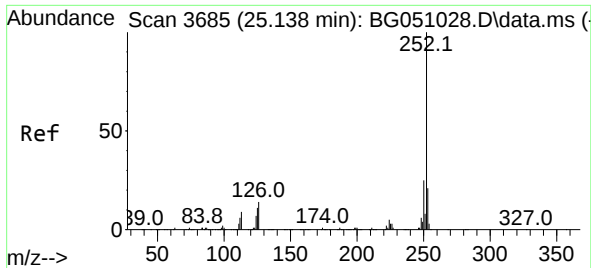
Tgt Ion:252 Resp: 188479
Ion Ratio Lower Upper
252 100
253 23.5 16.2 24.4
125 9.6 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 16.392 ng
RT: 24.217 min Scan# 3528
Delta R.T. -0.070 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:252 Resp: 188479
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 9.6 3.1 4.7#

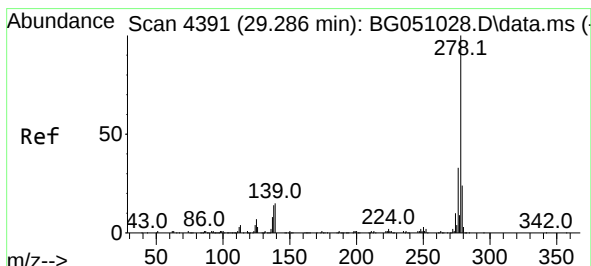
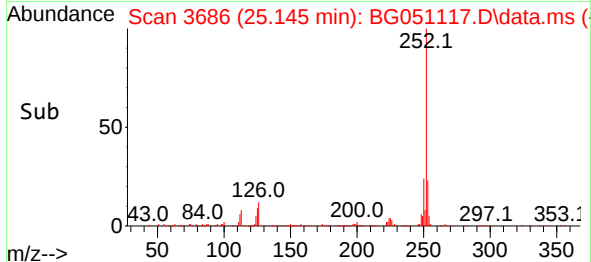
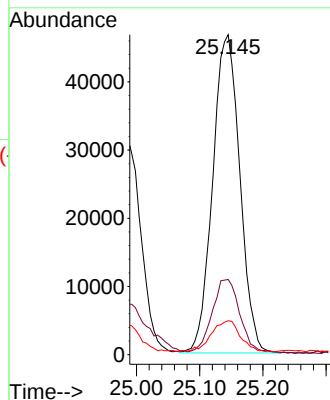
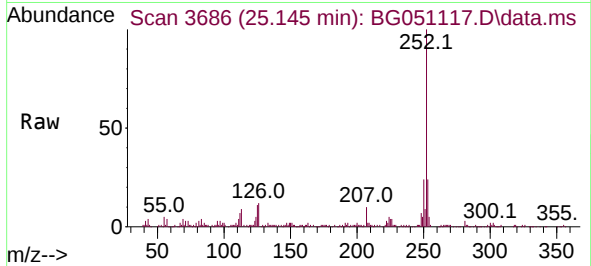




#90
Benzo(a)pyrene
Concen: 14.141 ng
RT: 25.145 min Scan# 30
Delta R.T. 0.007 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

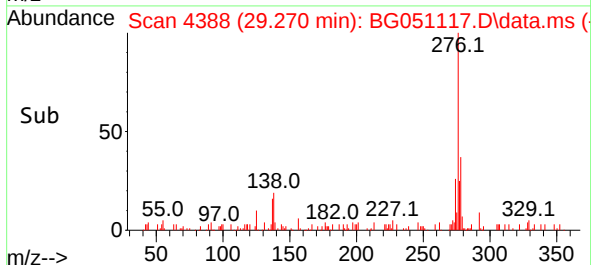
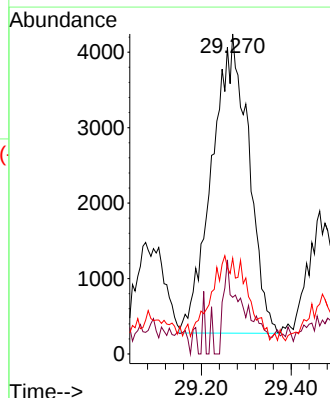
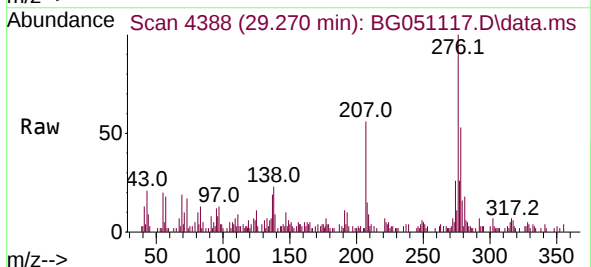
Instrument :
BNA_G
ClientSampleId :
UT-COMP-01DL

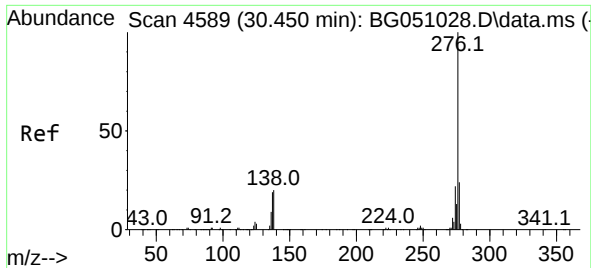
Tgt Ion:252 Resp: 139184
Ion Ratio Lower Upper
252 100
253 23.5 16.6 25.0
125 10.6 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 2.102 ng
RT: 29.270 min Scan# 4388
Delta R.T. -0.017 min
Lab File: BG051117.D
Acq: 18 Nov 2021 22:59

Tgt Ion:278 Resp: 22496
Ion Ratio Lower Upper
278 100
139 17.7 4.6 6.8#
279 29.9 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 8.463 ng
 RT: 30.462 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: BG051117.D
 Acq: 18 Nov 2021 22:59

Instrument :
 BNA_G
 ClientSampleId :
 UT-COMP-01DL

Tgt Ion:276 Resp: 89146
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.4 27.6
 138 17.5 7.0 10.6#

