

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072722\
 Data File : BG054422.D
 Acq On : 27 Jul 2022 19:10
 Operator : CG/JU
 Sample : N3892-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BIN-4

Quant Time: Jul 28 04:34:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

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

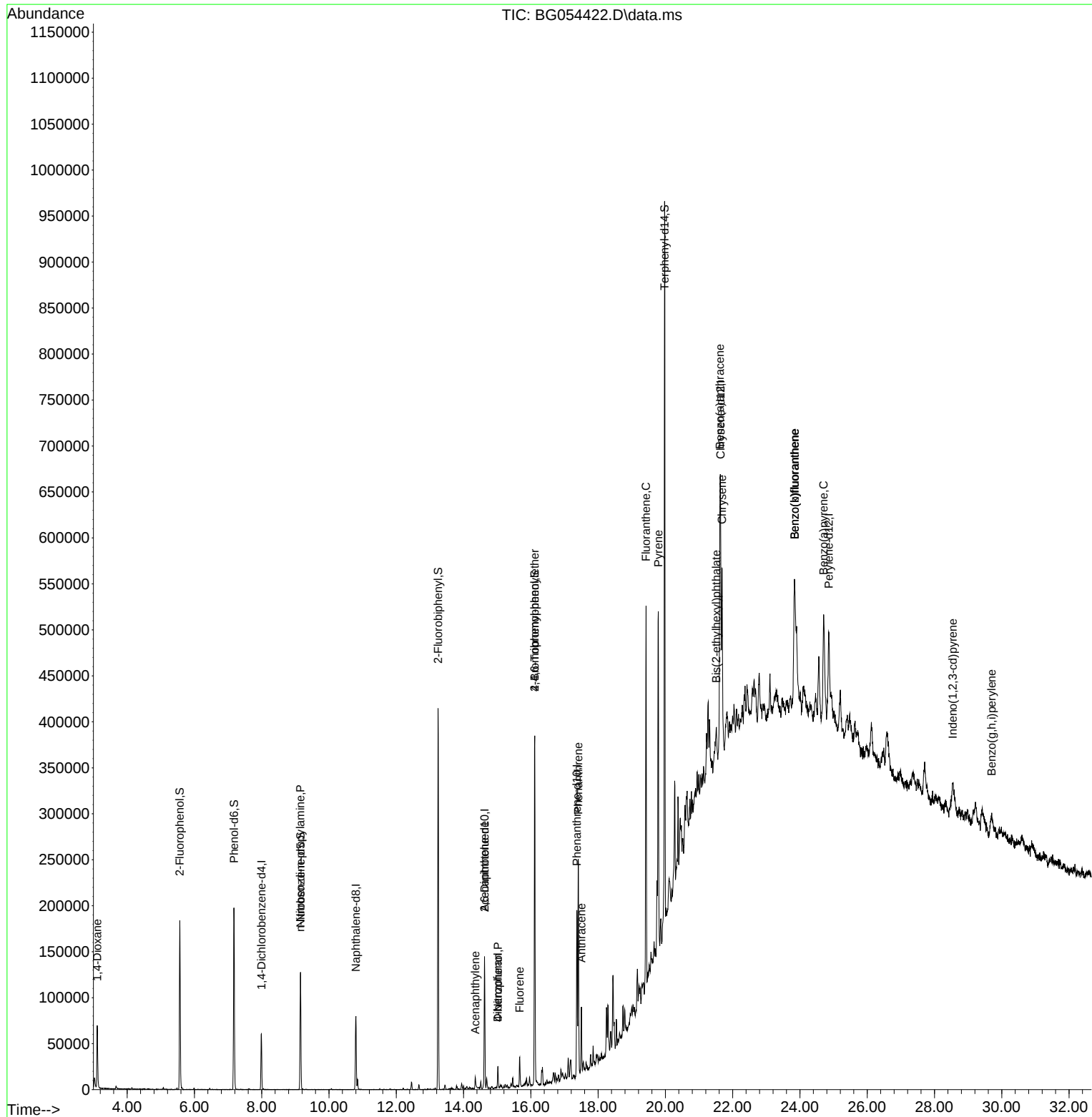
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.991	152	19095	20.000	ng	0.00
21) Naphthalene-d8	10.799	136	73930	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	54862	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	126802	20.000	ng	# 0.00
76) Chrysene-d12	21.640	240	143851	20.000	ng	# 0.00
86) Perylene-d12	24.859	264	126653	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	84202	92.068	ng	0.00
7) Phenol-d6	7.174	99	115522	92.183	ng	0.00
23) Nitrobenzene-d5	9.154	82	78844	58.077	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	101573	88.179	ng	0.00
45) 2-Fluorobiphenyl	13.244	172	245318	63.080	ng	0.00
79) Terphenyl-d14	19.977	244	459616	63.384	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.108	88	769	2.114	ng	# 1
9) Benzaldehyde	7.174	77	127	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.148	70	11040	13.192	ng	# 77
49) Acenaphthylene	14.354	152	14595	3.127	ng	100
51) 2,6-Dinitrotoluene	14.624	165	8244	8.771	ng	# 16
55) Dibenzofuran	15.018	168	14405	2.865	ng	# 87
56) 4-Nitrophenol	15.024	139	4834	9.217	ng	# 1
58) Fluorene	15.670	166	16206	3.920	ng	92
67) 4-Bromophenyl-phenylether	16.117	248	6084	3.416	ng	# 1
71) Phenanthrene	17.409	178	170547	27.008	ng	97
72) Anthracene	17.503	178	53040	8.559	ng	96
75) Fluoranthene	19.425	202	286002	33.225	ng	94
78) Pyrene	19.789	202	257906	31.246	ng	97
81) Benzo(a)anthracene	21.622	228	175478	19.217	ng	95
83) Chrysene	21.687	228	168384	19.518	ng	96
84) Bis(2-ethylhexyl)phtha...	21.516	149	9938	2.730	ng	# 82
87) Indeno(1,2,3-cd)pyrene	28.543	276	77482	8.042	ng	# 91
88) Benzo(b)fluoranthene	23.843	252	220583	29.450	ng	# 92
89) Benzo(k)fluoranthene	23.843	252	220775	29.617	ng	93
90) Benzo(a)pyrene	24.701	252	171338	26.786	ng	# 90
92) Benzo(g,h,i)perylene	29.695	276	62733	8.023	ng	# 84

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

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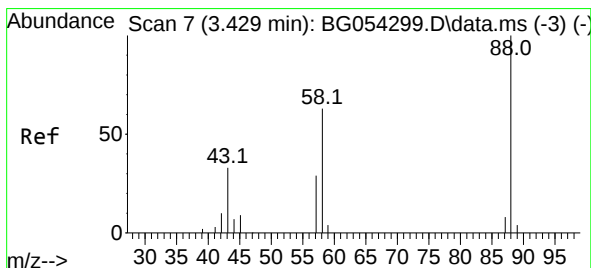
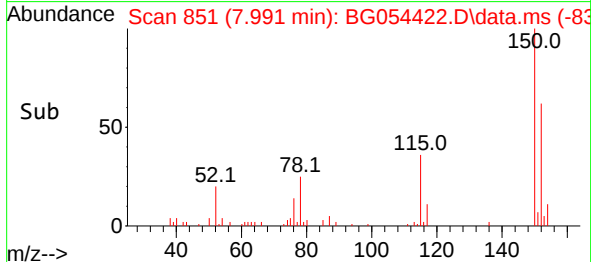
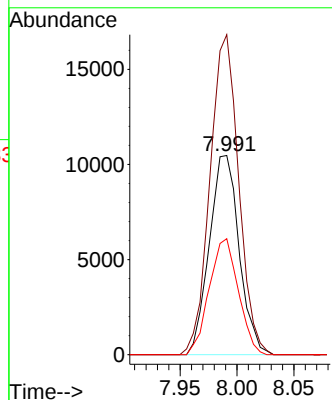
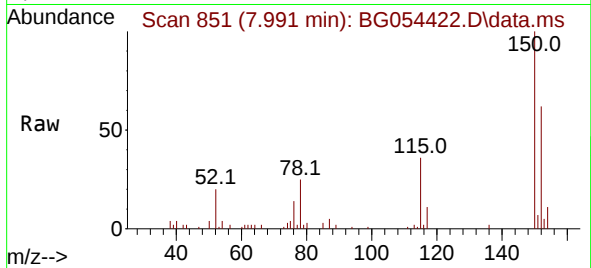




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.991 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: BG054422.D
 Acq: 27 Jul 2022 19:10

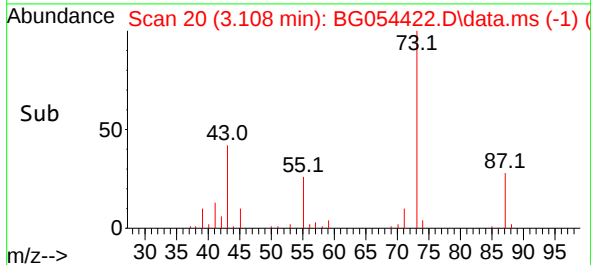
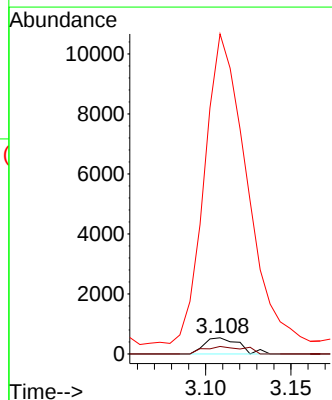
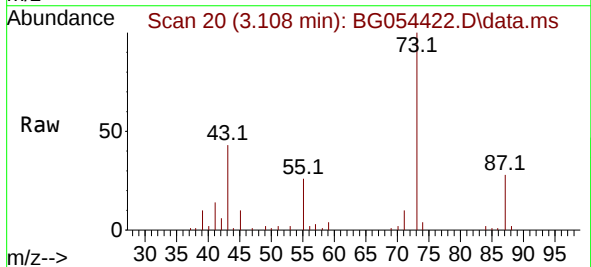
Instrument :
 BNA_G
 ClientSampleId :
 BIN-4

Tgt Ion:152 Resp: 19095
 Ion Ratio Lower Upper
 152 100
 150 160.6 131.6 197.4
 115 58.2 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.114 ng
 RT: 3.108 min Scan# 20
 Delta R.T. -0.309 min
 Lab File: BG054422.D
 Acq: 27 Jul 2022 19:10

Tgt Ion: 88 Resp: 769
 Ion Ratio Lower Upper
 88 100
 58 54.6 59.2 88.8#
 43 2308.7 24.3 36.5#

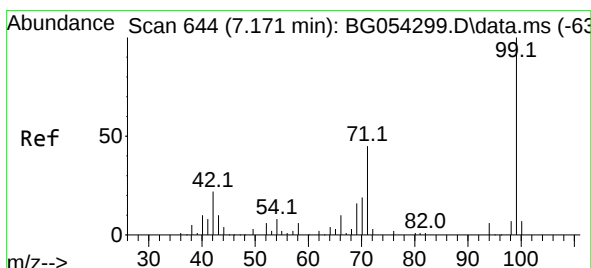
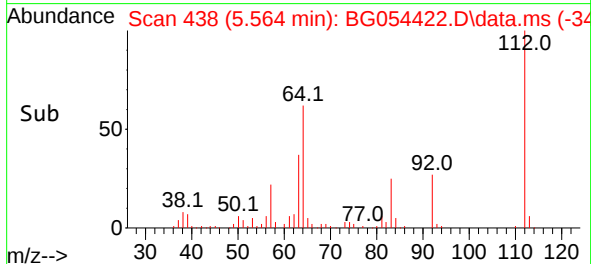
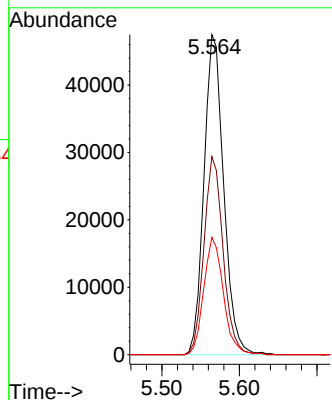
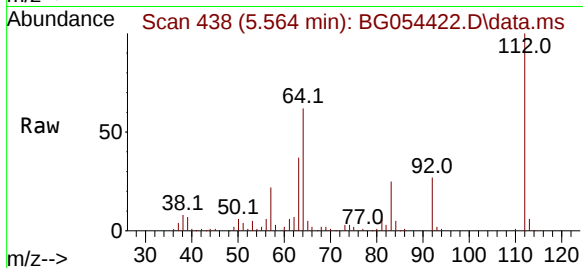




#5
2-Fluorophenol
Concen: 92.068 ng
RT: 5.564 min Scan# 41
Delta R.T. 0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

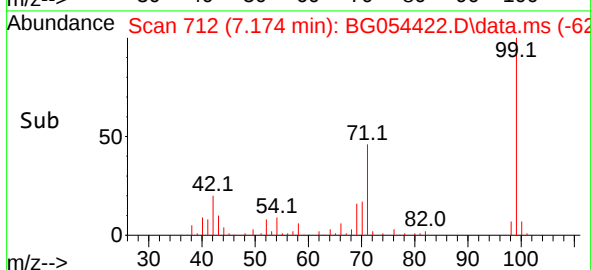
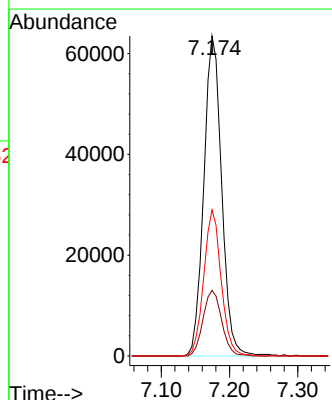
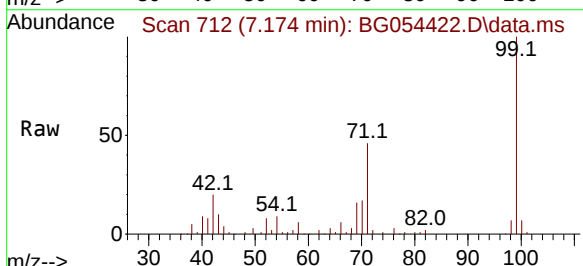
Instrument :
BNA_G
ClientSampleId :
BIN-4

Tgt Ion:112 Resp: 84202
Ion Ratio Lower Upper
112 100
64 61.9 55.1 82.7
63 36.7 30.4 45.6



#7
Phenol-d6
Concen: 92.183 ng
RT: 7.174 min Scan# 712
Delta R.T. 0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

Tgt Ion: 99 Resp: 115522
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 45.6 33.8 50.8

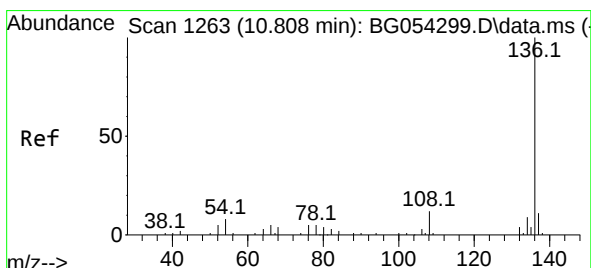
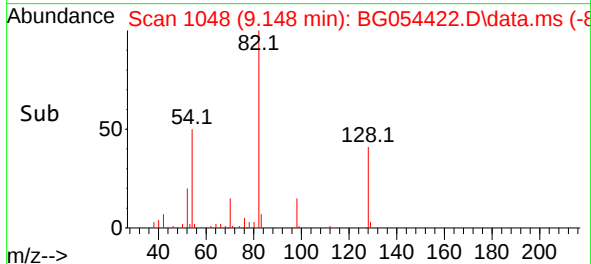
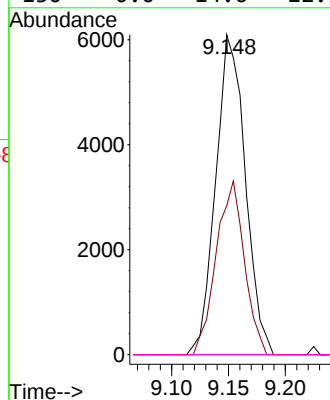
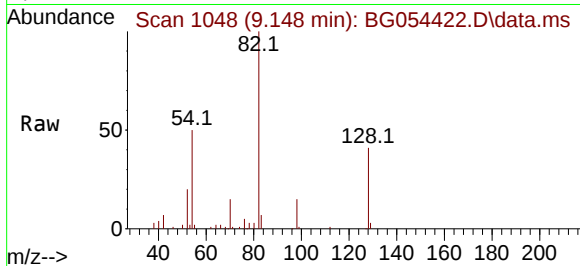




#19
n-Nitroso-di-n-propylamine
Concen: 13.192 ng
RT: 9.148 min Scan# 1048
Delta R.T. 0.355 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

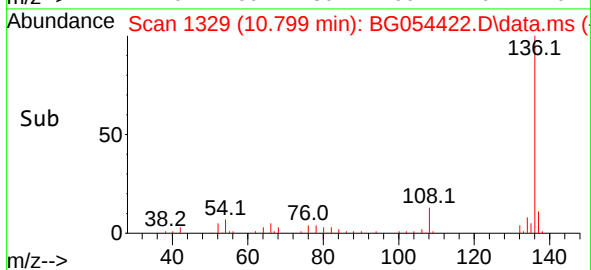
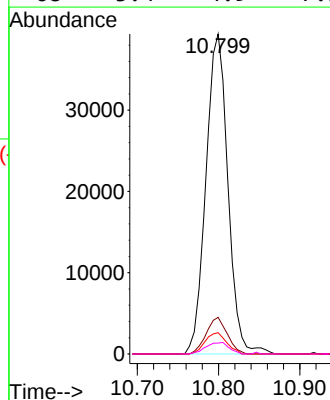
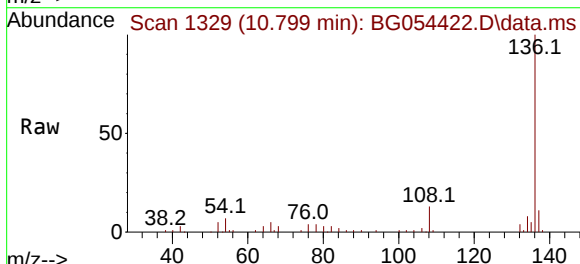
Instrument :
BNA_G
ClientSampleId :
BIN-4

Tgt Ion: 70	Resp: 11040
Ion Ratio	Lower Upper
70 100	
42 46.6	47.3 70.9#
101 0.0	7.0 10.4#
130 0.0	14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.799 min Scan# 1329
Delta R.T. 0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

Tgt Ion: 136	Resp: 73930
Ion Ratio	Lower Upper
136 100	
137 11.4	8.5 12.7
54 6.6	7.4 11.2#
68 3.4	4.9 7.3#

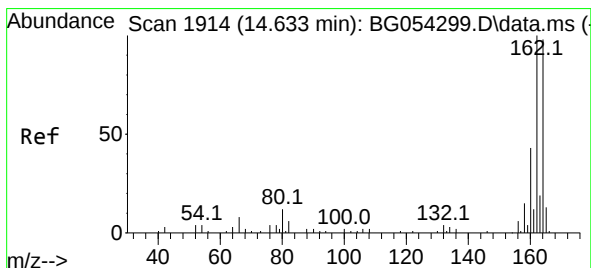
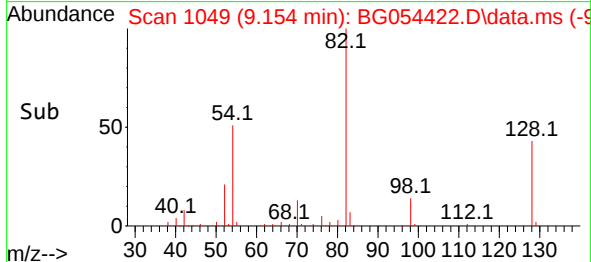
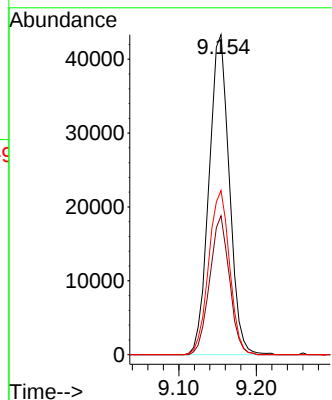
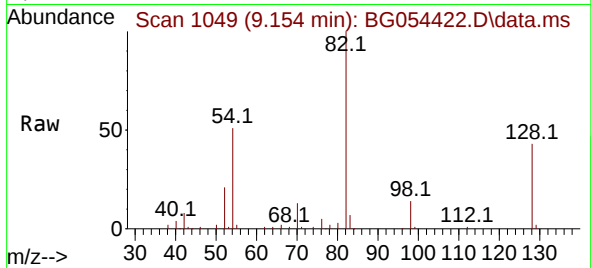




#23
Nitrobenzene-d5
Concen: 58.077 ng
RT: 9.154 min Scan# 1049
Delta R.T. 0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

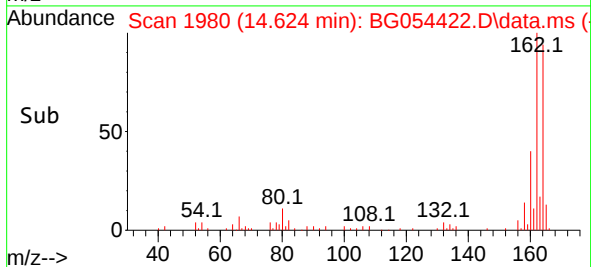
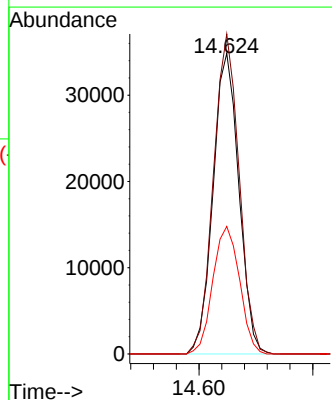
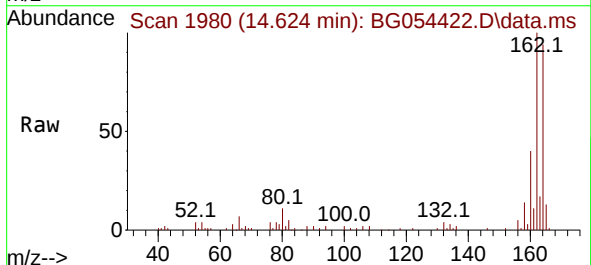
Instrument :
BNA_G
ClientSampleId :
BIN-4

Tgt Ion: 82 Resp: 78844
Ion Ratio Lower Upper
82 100
128 43.4 27.9 41.9#
54 51.3 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1980
Delta R.T. 0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

Tgt Ion:164 Resp: 54862
Ion Ratio Lower Upper
164 100
162 106.5 82.3 123.5
160 42.4 34.2 51.2

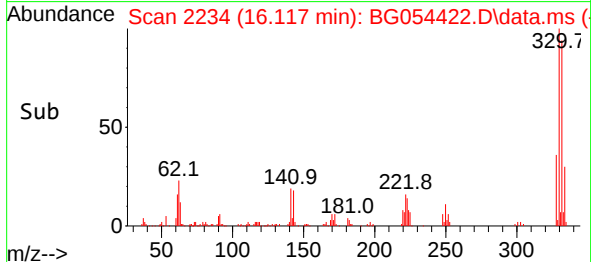
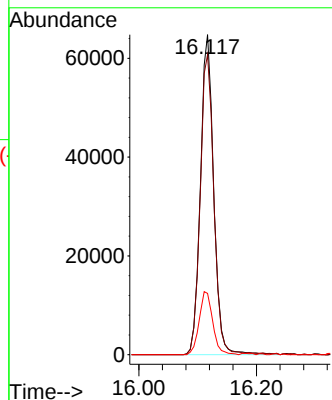
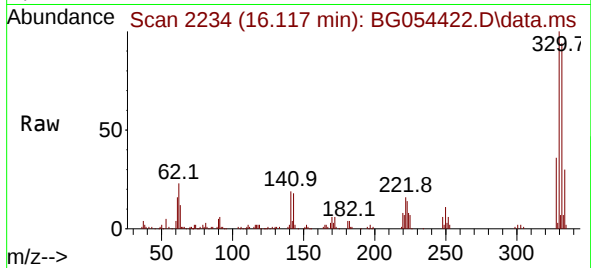




#42
2,4,6-Tribromophenol
Concen: 88.179 ng
RT: 16.117 min Scan# 2168
Delta R.T. 0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

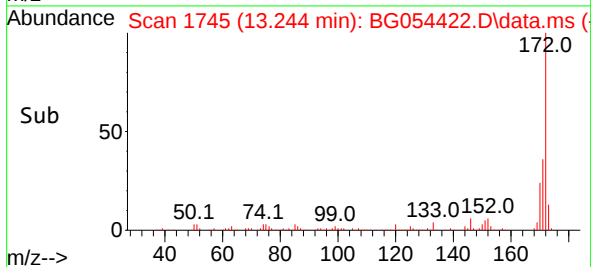
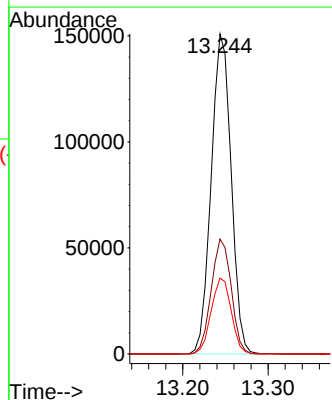
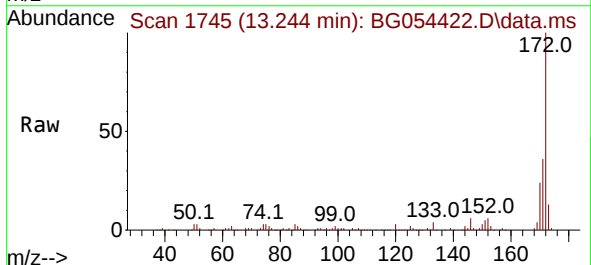
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BNA_G
ClientSampleId :
BIN-4

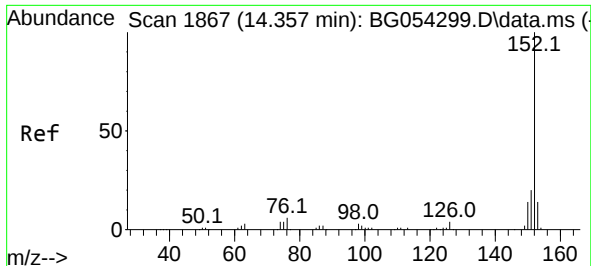
Tgt Ion:330 Resp: 101573
Ion Ratio Lower Upper
330 100
332 95.6 76.0 114.0
141 20.1 27.1 40.7#



#45
2-Fluorobiphenyl
Concen: 63.080 ng
RT: 13.244 min Scan# 1745
Delta R.T. -0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

Tgt Ion:172 Resp: 245318
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 23.7 18.9 28.3

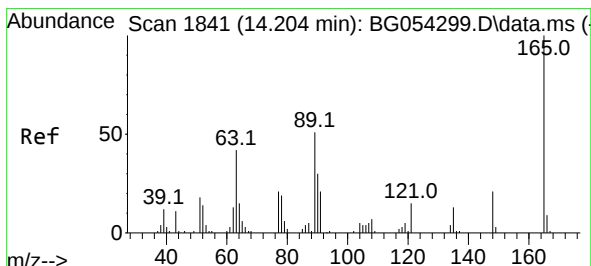
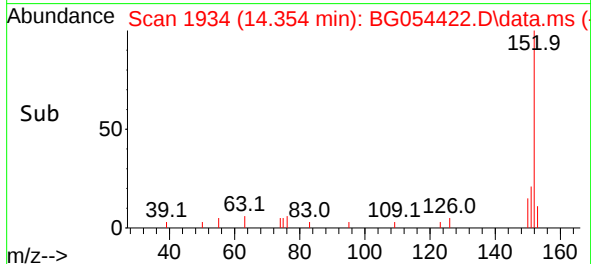
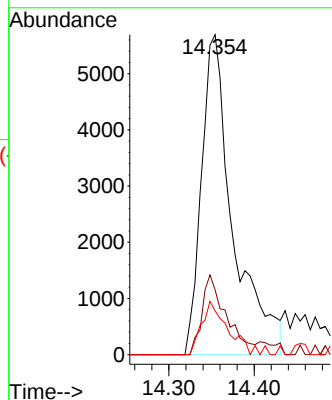
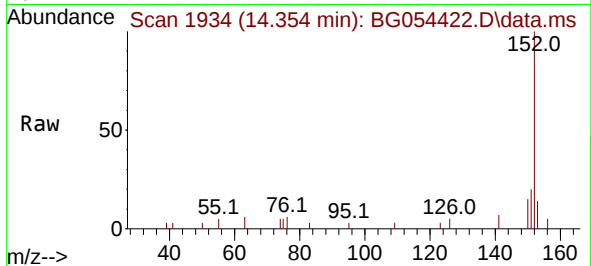




#49
Acenaphthylene
Concen: 3.127 ng
RT: 14.354 min Scan# 1934
Delta R.T. 0.008 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

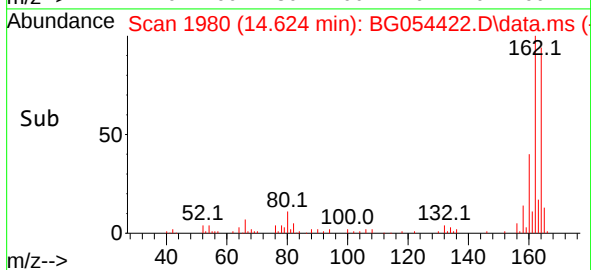
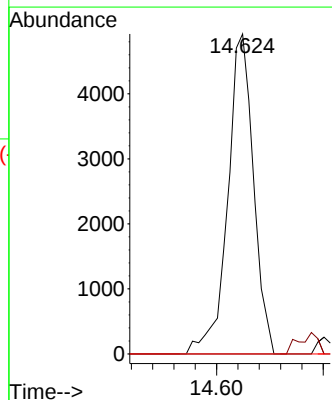
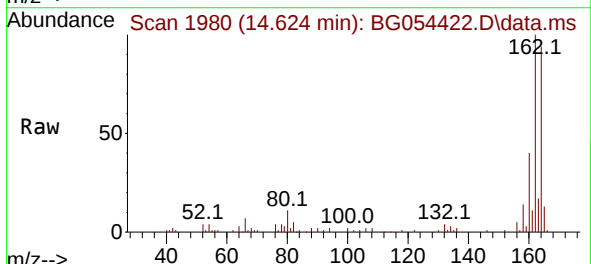
Instrument :
BNA_G
ClientSampleId :
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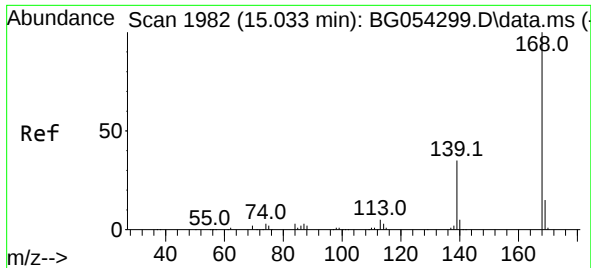
Tgt Ion:152 Resp: 14595
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.7 10.8 16.2



#51
2,6-Dinitrotoluene
Concen: 8.771 ng
RT: 14.624 min Scan# 1980
Delta R.T. 0.426 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

Tgt Ion:165 Resp: 8244
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

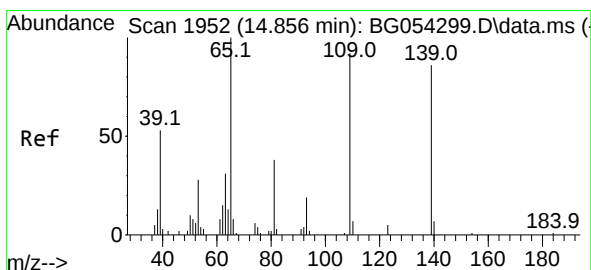
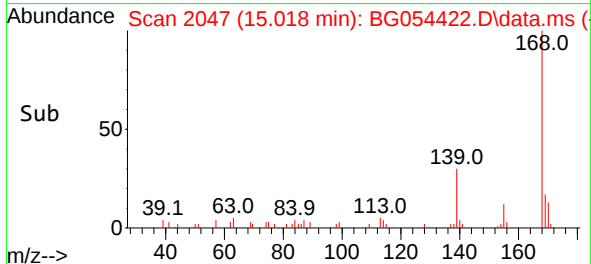
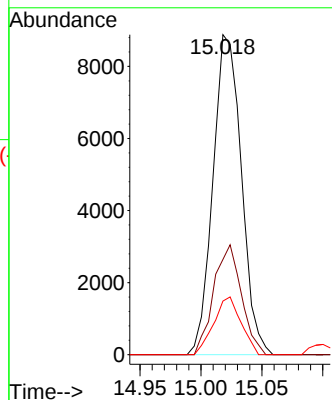
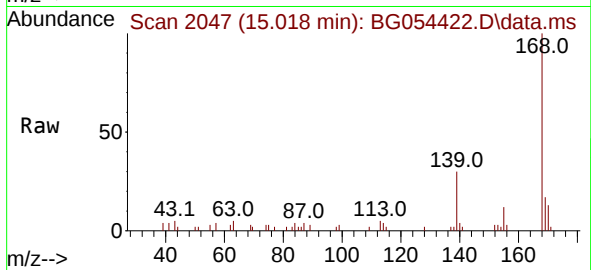




#55
Dibenzenofuran
Concen: 2.865 ng
RT: 15.018 min Scan# 2047
Delta R.T. -0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

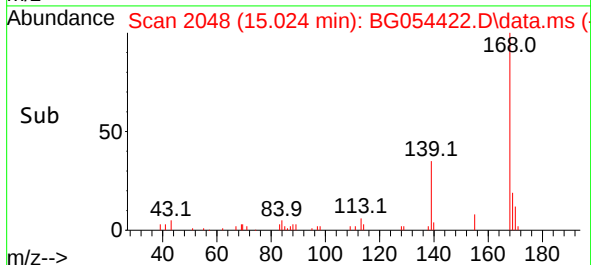
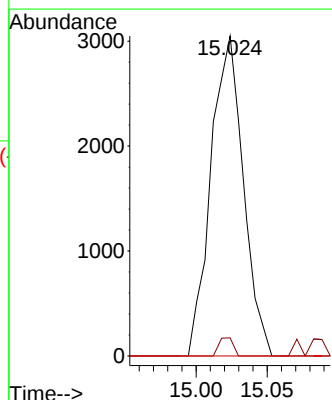
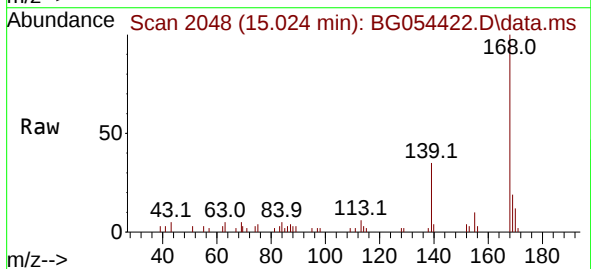
Instrument :
BNA_G
ClientSampleId :
BIN-4

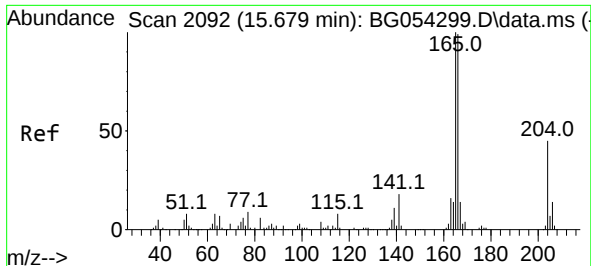
Tgt Ion:168 Resp: 14405
Ion Ratio Lower Upper
168 100
139 29.7 30.5 45.7#
169 16.8 10.3 15.5#



#56
4-Nitrophenol
Concen: 9.217 ng
RT: 15.024 min Scan# 2048
Delta R.T. 0.144 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

Tgt Ion:139 Resp: 4834
Ion Ratio Lower Upper
139 100
109 5.6 88.5 128.5#
65 0.0 93.9 133.9#

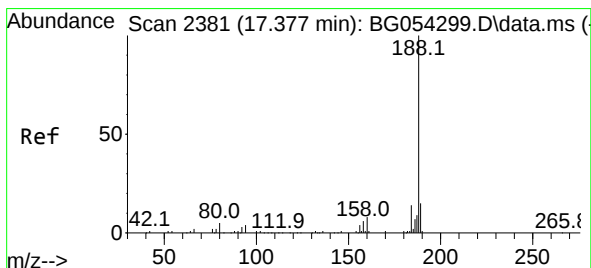
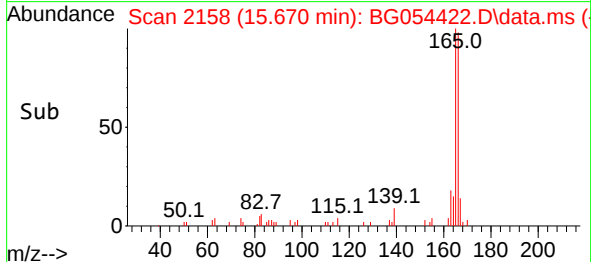
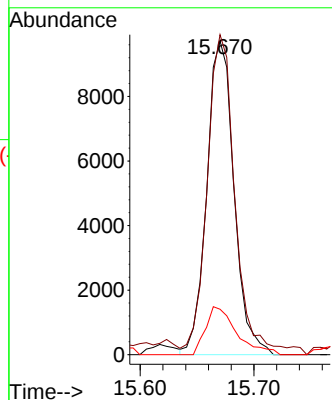
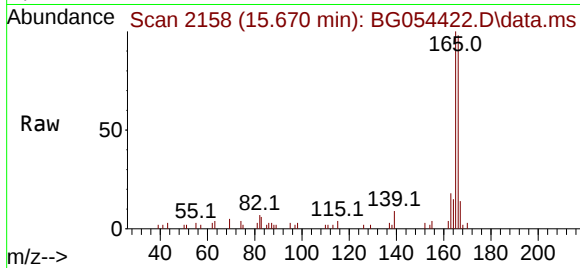




#58
 Fluorene
 Concen: 3.920 ng
 RT: 15.670 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG054422.D
 Acq: 27 Jul 2022 19:10

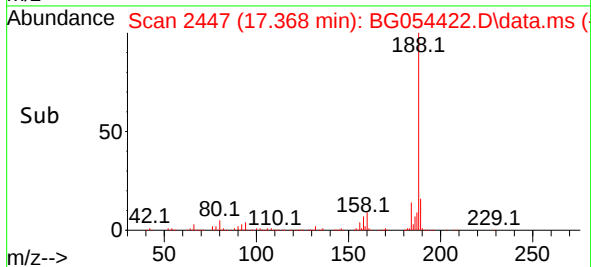
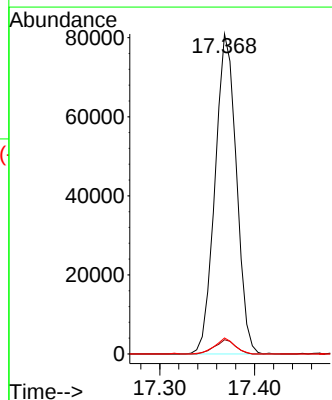
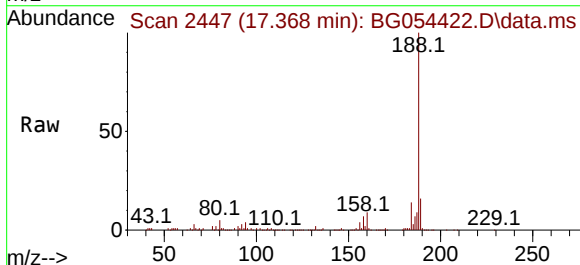
Instrument :
 BNA_G
 ClientSampleId :
 BIN-4

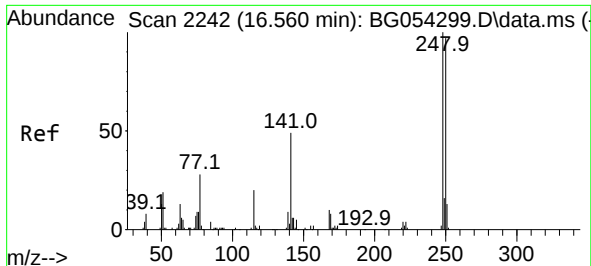
Tgt Ion:166 Resp: 16206
 Ion Ratio Lower Upper
 166 100
 165 102.0 75.0 112.6
 167 14.5 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.368 min Scan# 2447
 Delta R.T. -0.003 min
 Lab File: BG054422.D
 Acq: 27 Jul 2022 19:10

Tgt Ion:188 Resp: 126802
 Ion Ratio Lower Upper
 188 100
 94 4.5 5.4 8.0#
 80 5.0 6.8 10.2#

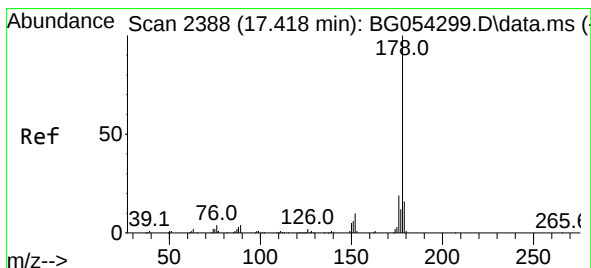
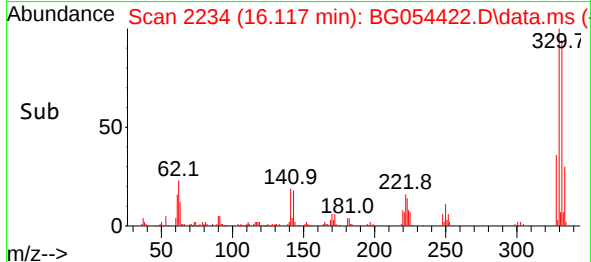
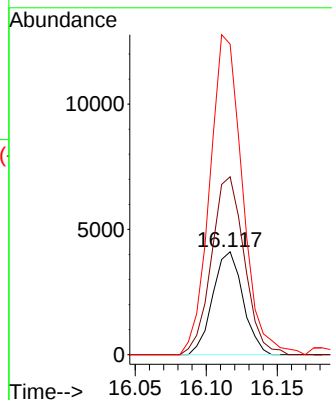
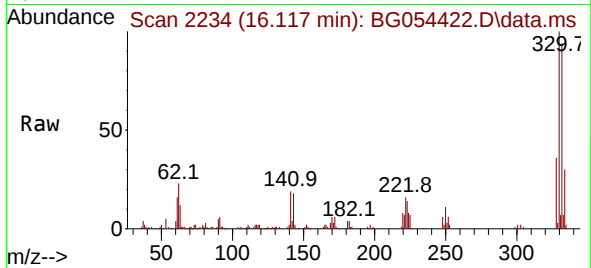




#67
4-Bromophenyl-phenylether
Concen: 3.416 ng
RT: 16.117 min Scan# 21
Delta R.T. -0.438 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

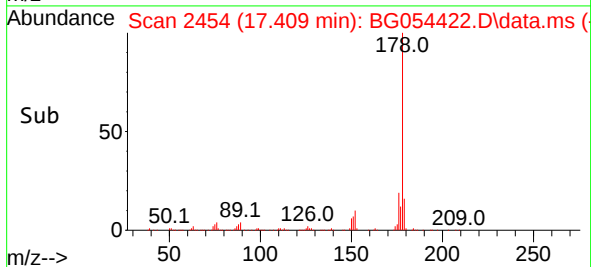
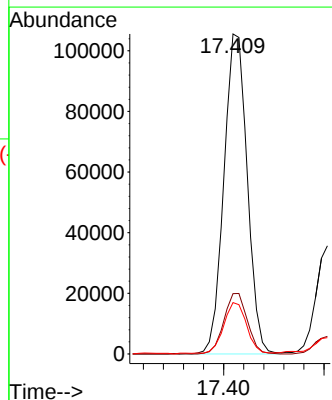
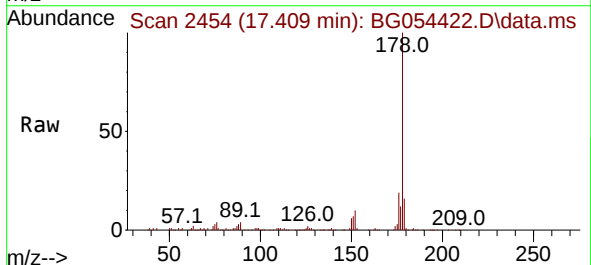
Instrument :
BNA_G
ClientSampleId :
BIN-4

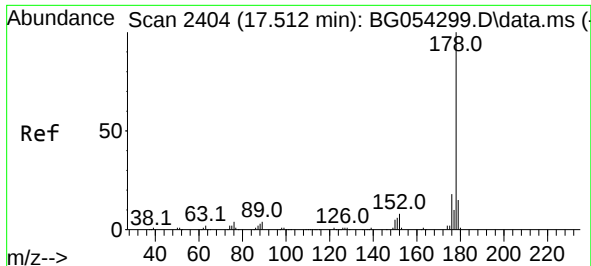
Tgt Ion:248 Resp: 6084
Ion Ratio Lower Upper
248 100
250 172.7 75.2 112.8#
141 301.7 50.0 75.0#



#71
Phenanthrene
Concen: 27.008 ng
RT: 17.409 min Scan# 2454
Delta R.T. -0.003 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

Tgt Ion:178 Resp: 170547
Ion Ratio Lower Upper
178 100
176 18.9 14.1 21.1
179 16.1 12.1 18.1

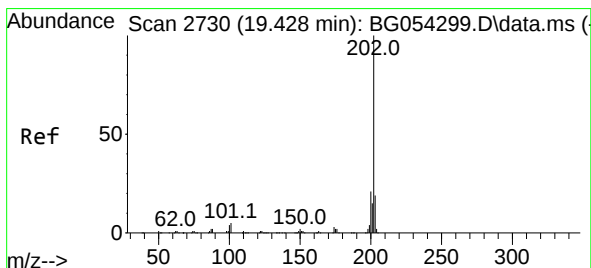
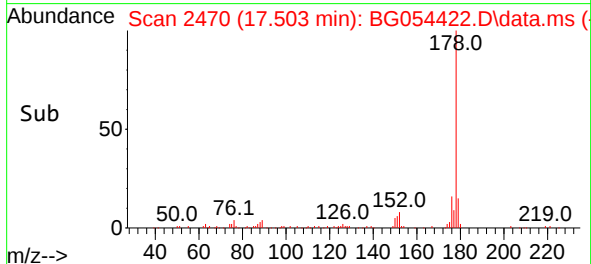
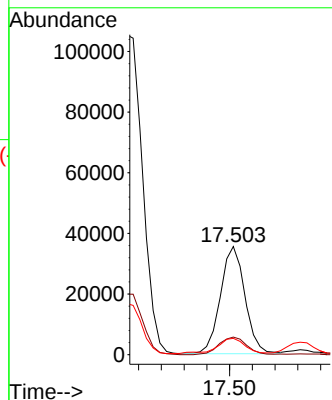
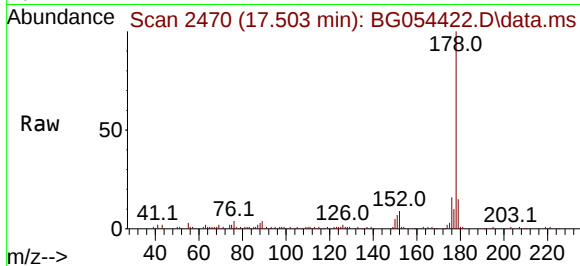




#72
 Anthracene
 Concen: 8.559 ng
 RT: 17.503 min Scan# 2404
 Delta R.T. 0.003 min
 Lab File: BG054422.D
 Acq: 27 Jul 2022 19:10

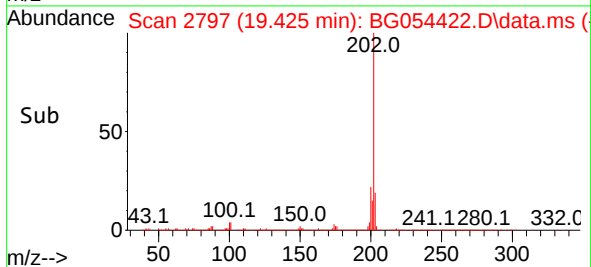
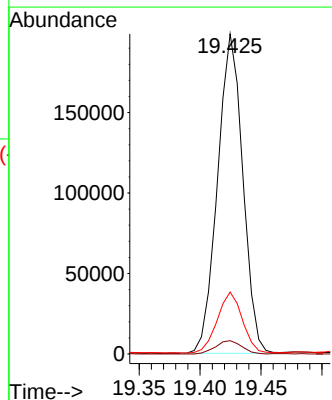
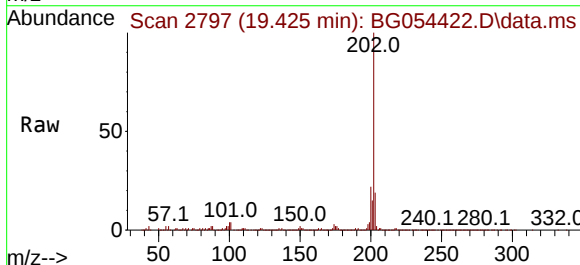
Instrument :
 BNA_G
 ClientSampleId :
 BIN-4

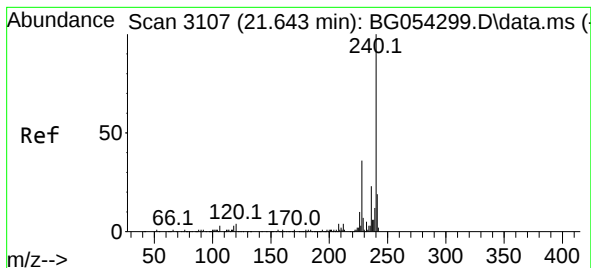
Tgt Ion:178 Resp: 53040
 Ion Ratio Lower Upper
 178 100
 176 16.3 15.2 22.8
 179 15.2 13.0 19.4



#75
 Fluoranthene
 Concen: 33.225 ng
 RT: 19.425 min Scan# 2797
 Delta R.T. 0.003 min
 Lab File: BG054422.D
 Acq: 27 Jul 2022 19:10

Tgt Ion:202 Resp: 286002
 Ion Ratio Lower Upper
 202 100
 101 4.2 0.0 26.9
 203 19.3 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.640 min Scan# 3107

Delta R.T. 0.003 min

Lab File: BG054422.D

Acq: 27 Jul 2022 19:10

Instrument :

BNA_G

ClientSampleId :

BIN-4

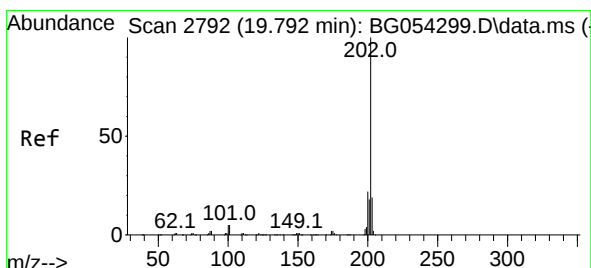
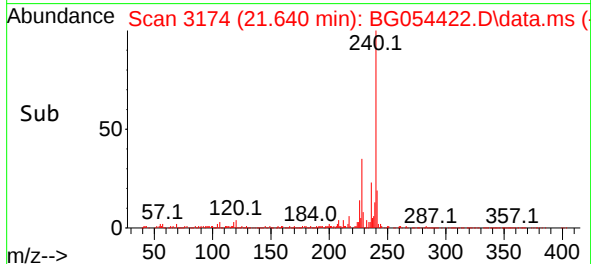
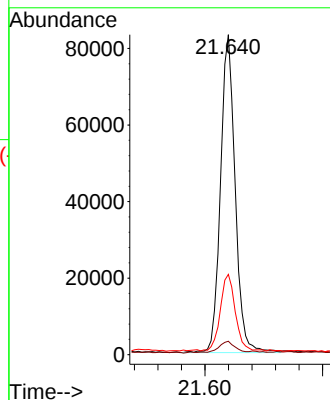
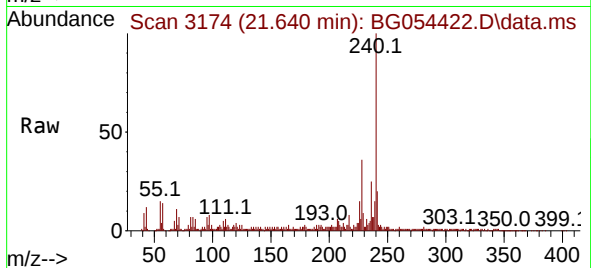
Tgt Ion:240 Resp: 143851

Ion Ratio Lower Upper

240 100

120 4.2 4.6 7.0#

236 25.1 20.2 30.4



#78

Pyrene

Concen: 31.246 ng

RT: 19.789 min Scan# 2859

Delta R.T. 0.003 min

Lab File: BG054422.D

Acq: 27 Jul 2022 19:10

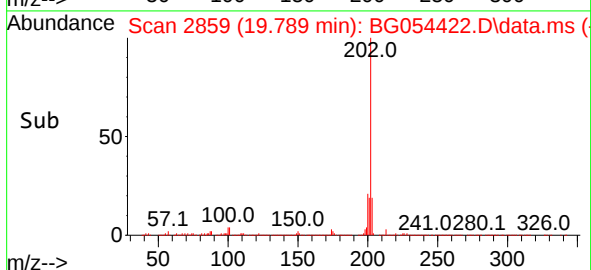
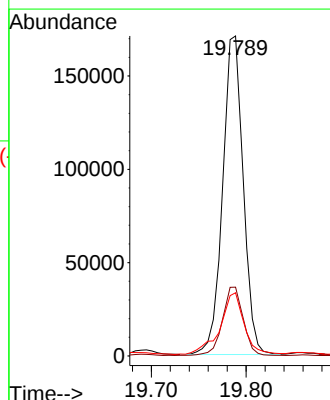
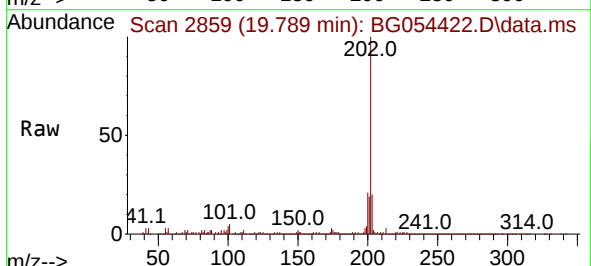
Tgt Ion:202 Resp: 257906

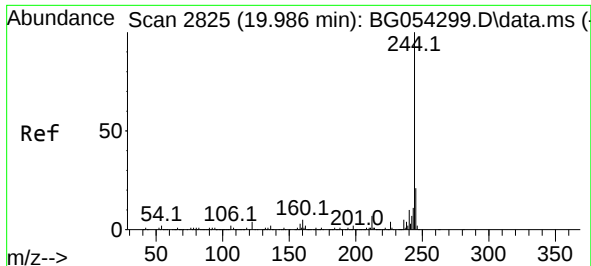
Ion Ratio Lower Upper

202 100

200 21.5 16.6 24.8

203 19.8 14.6 21.8

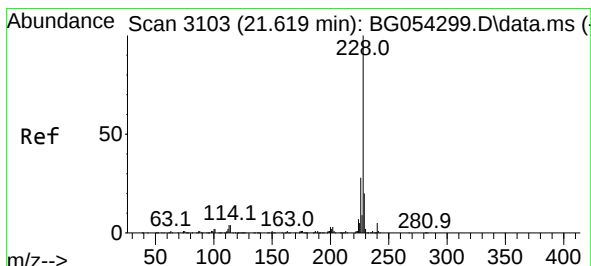
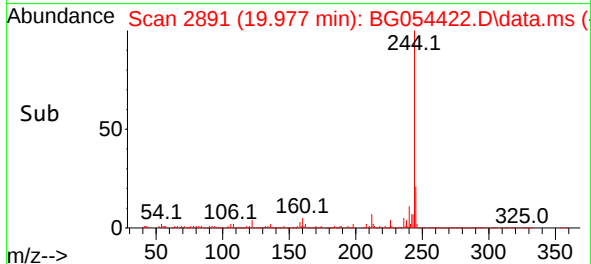
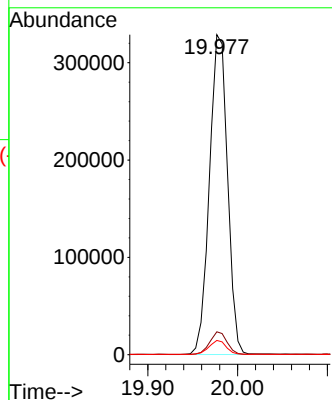
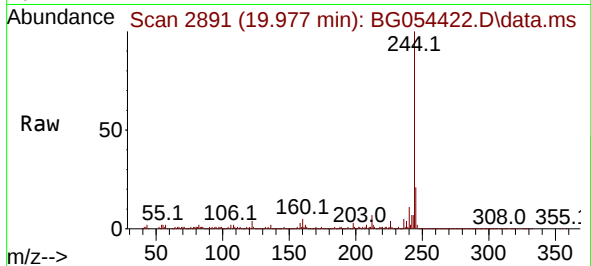




#79
 Terphenyl-d14
 Concen: 63.384 ng
 RT: 19.977 min Scan# 2825
 Delta R.T. -0.003 min
 Lab File: BG054422.D
 Acq: 27 Jul 2022 19:10

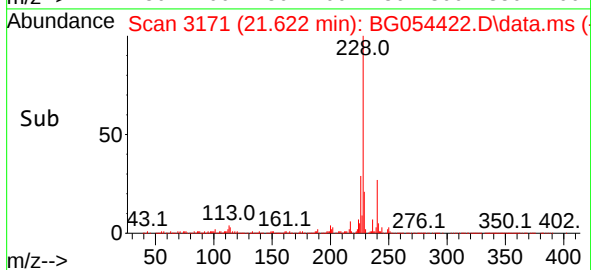
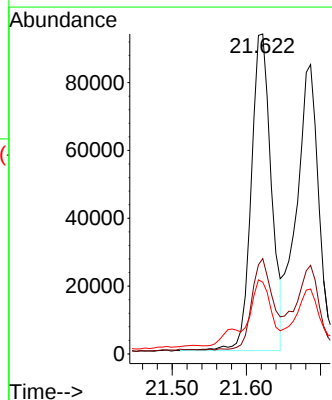
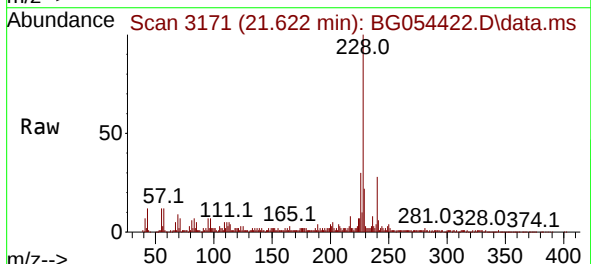
Instrument :
 BNA_G
 ClientSampleId :
 BIN-4

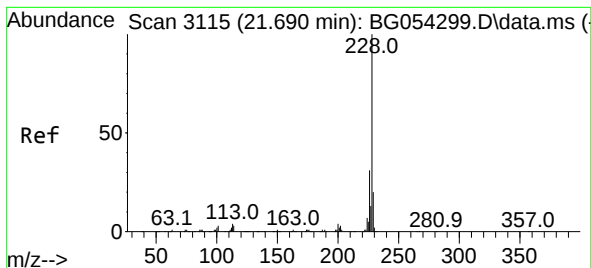
Tgt Ion:244 Resp: 459616
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 4.4 5.0 7.4#



#81
 Benzo(a)anthracene
 Concen: 19.217 ng
 RT: 21.622 min Scan# 3171
 Delta R.T. 0.008 min
 Lab File: BG054422.D
 Acq: 27 Jul 2022 19:10

Tgt Ion:228 Resp: 175478
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.6 32.4
 229 22.5 16.2 24.2





#83

Chrysene

Concen: 19.518 ng

RT: 21.687 min Scan# 3115

Delta R.T. 0.003 min

Lab File: BG054422.D

Acq: 27 Jul 2022 19:10

Instrument :

BNA_G

ClientSampleId :

BIN-4

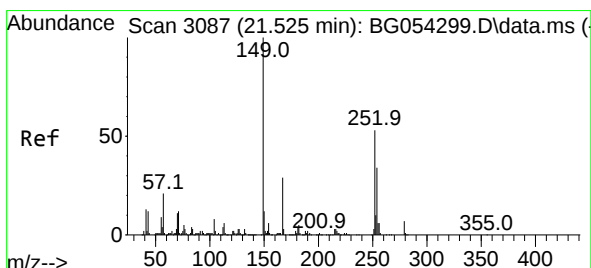
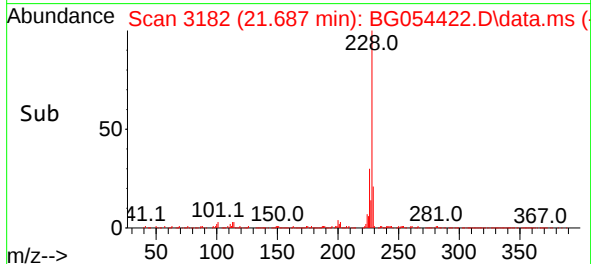
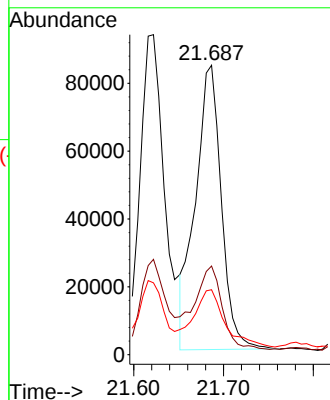
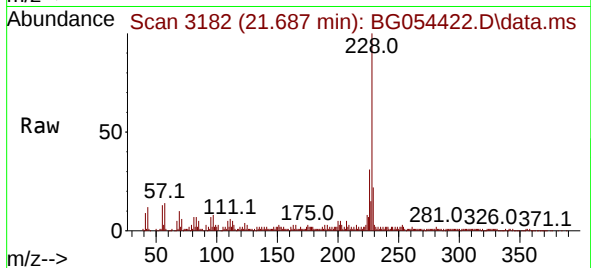
Tgt Ion:228 Resp: 168384

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 22.4 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.730 ng

RT: 21.516 min Scan# 3153

Delta R.T. 0.003 min

Lab File: BG054422.D

Acq: 27 Jul 2022 19:10

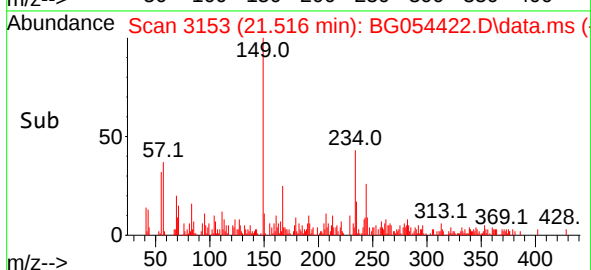
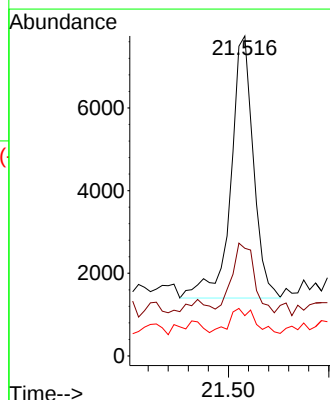
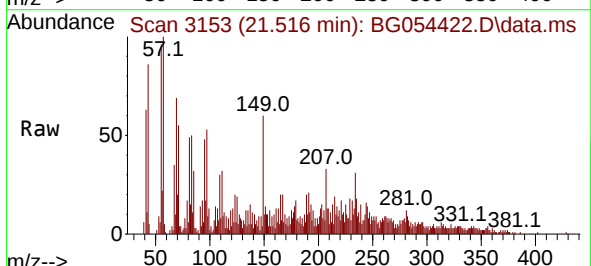
Tgt Ion:149 Resp: 9938

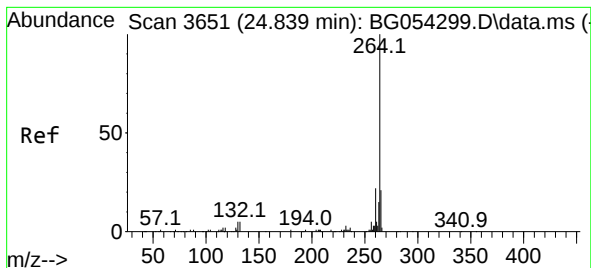
Ion Ratio Lower Upper

149 100

167 33.6 20.2 30.4#

279 12.6 3.6 5.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.859 min Scan# 31

Delta R.T. 0.026 min

Lab File: BG054422.D

Acq: 27 Jul 2022 19:10

Instrument :

BNA_G

ClientSampleId :

BIN-4

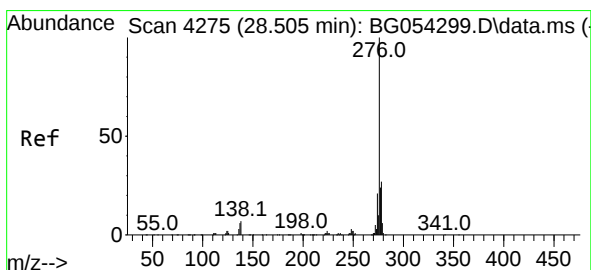
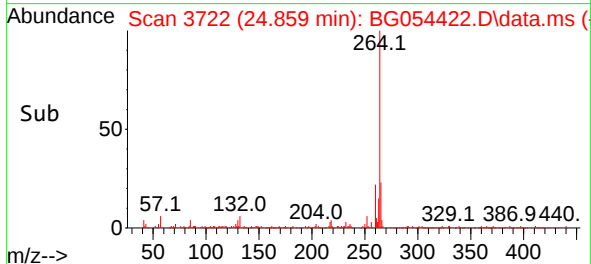
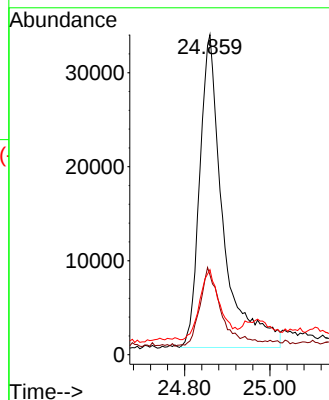
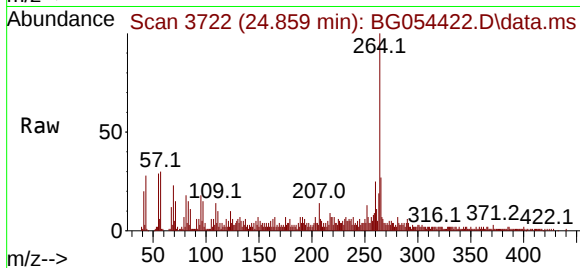
Tgt Ion:264 Resp: 126653

Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.6

265 26.6 17.4 26.2#



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.042 ng

RT: 28.543 min Scan# 4349

Delta R.T. 0.026 min

Lab File: BG054422.D

Acq: 27 Jul 2022 19:10

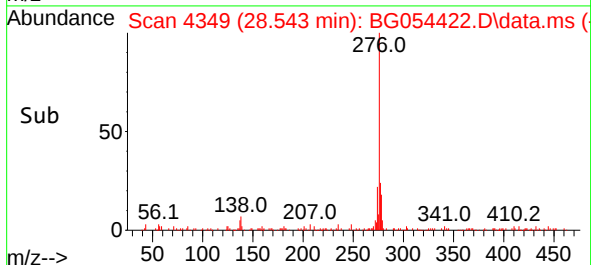
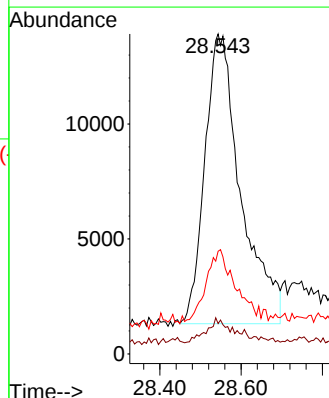
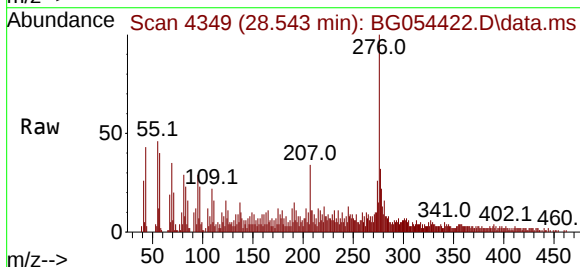
Tgt Ion:276 Resp: 77482

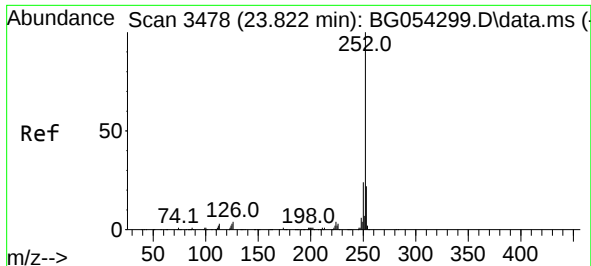
Ion Ratio Lower Upper

276 100

138 5.6 5.0 7.4

277 19.7 20.3 30.5#

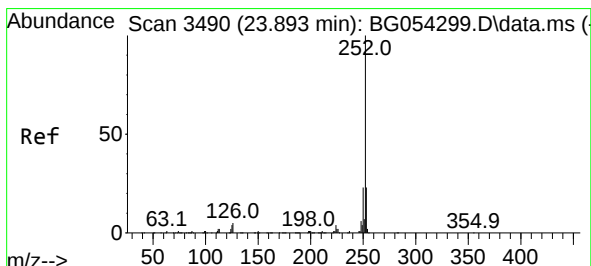
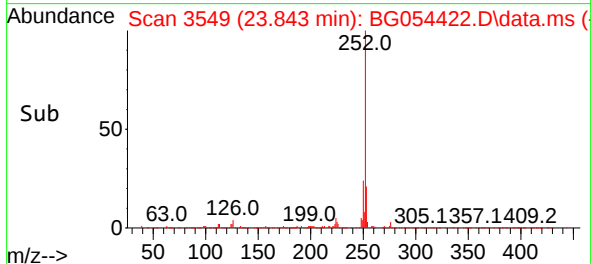
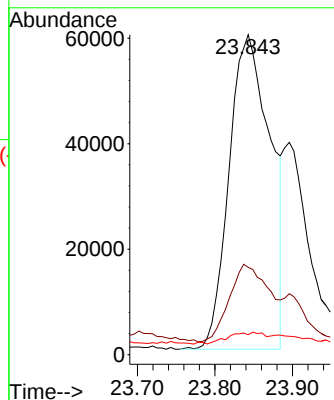
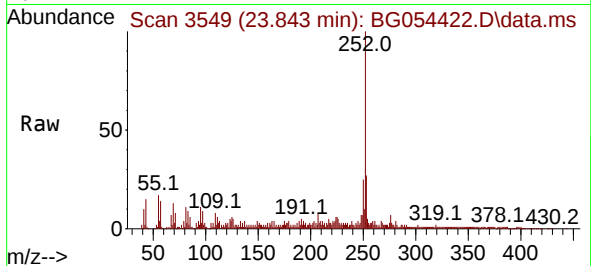




#88
Benzo(b)fluoranthene
Concen: 29.450 ng
RT: 23.843 min Scan# 31
Delta R.T. 0.020 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

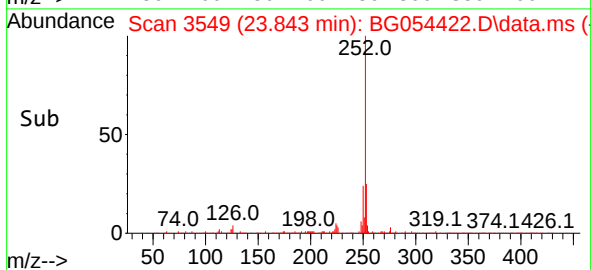
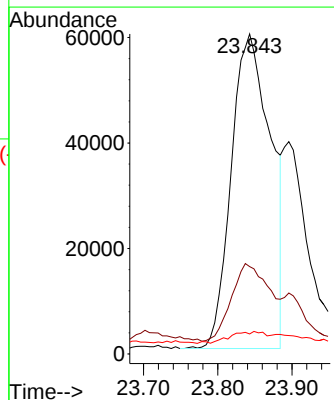
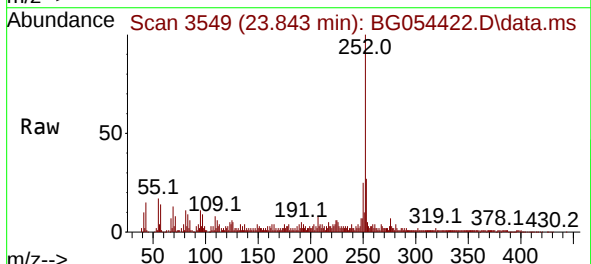
Instrument :
BNA_G
ClientSampleId :
BIN-4

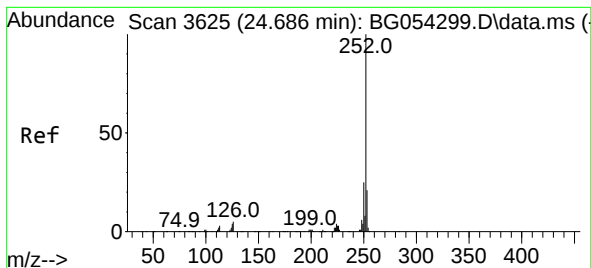
Tgt Ion:252 Resp: 220583
Ion Ratio Lower Upper
252 100
253 27.3 18.0 27.0#
125 6.2 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 29.617 ng
RT: 23.843 min Scan# 3549
Delta R.T. -0.044 min
Lab File: BG054422.D
Acq: 27 Jul 2022 19:10

Tgt Ion:252 Resp: 220775
Ion Ratio Lower Upper
252 100
253 27.3 18.4 27.6
125 6.2 4.8 7.2





#90

Benzo(a)pyrene

Concen: 26.786 ng

RT: 24.701 min Scan# 3

Delta R.T. 0.014 min

Lab File: BG054422.D

Acq: 27 Jul 2022 19:10

Instrument :

BNA_G

ClientSampleId :

BIN-4

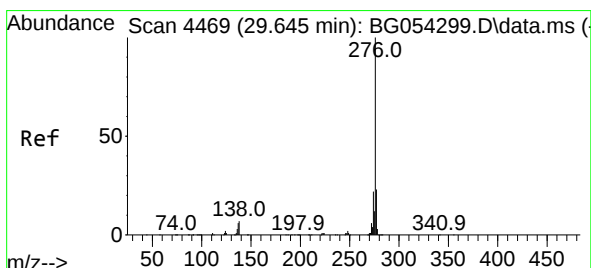
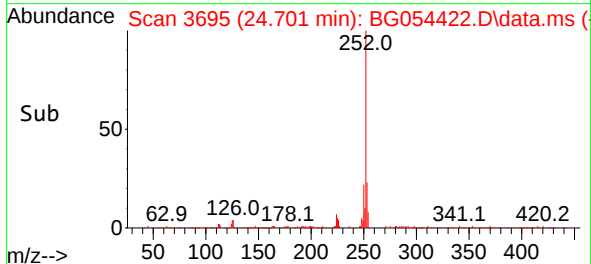
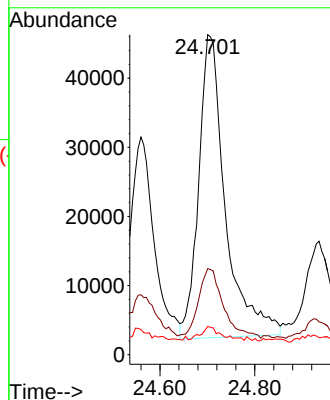
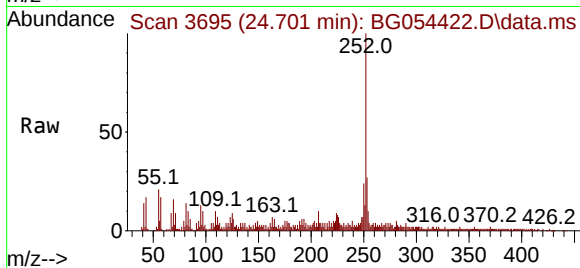
Tgt Ion:252 Resp: 171338

Ion Ratio Lower Upper

252 100

253 26.9 17.8 26.8#

125 8.8 4.3 6.5#



#92

Benzo(g,h,i)perylene

Concen: 8.023 ng

RT: 29.695 min Scan# 4545

Delta R.T. 0.032 min

Lab File: BG054422.D

Acq: 27 Jul 2022 19:10

Tgt Ion:276 Resp: 62733

Ion Ratio Lower Upper

276 100

277 31.4 17.3 25.9#

138 8.9 9.6 14.4#

