

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031924\
 Data File : BG060683.D
 Acq On : 19 Mar 2024 16:09
 Operator : MA/JU
 Sample : P1792-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11977

Quant Time: Mar 19 16:49:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 18 14:26:31 2024
 Response via : Initial Calibration

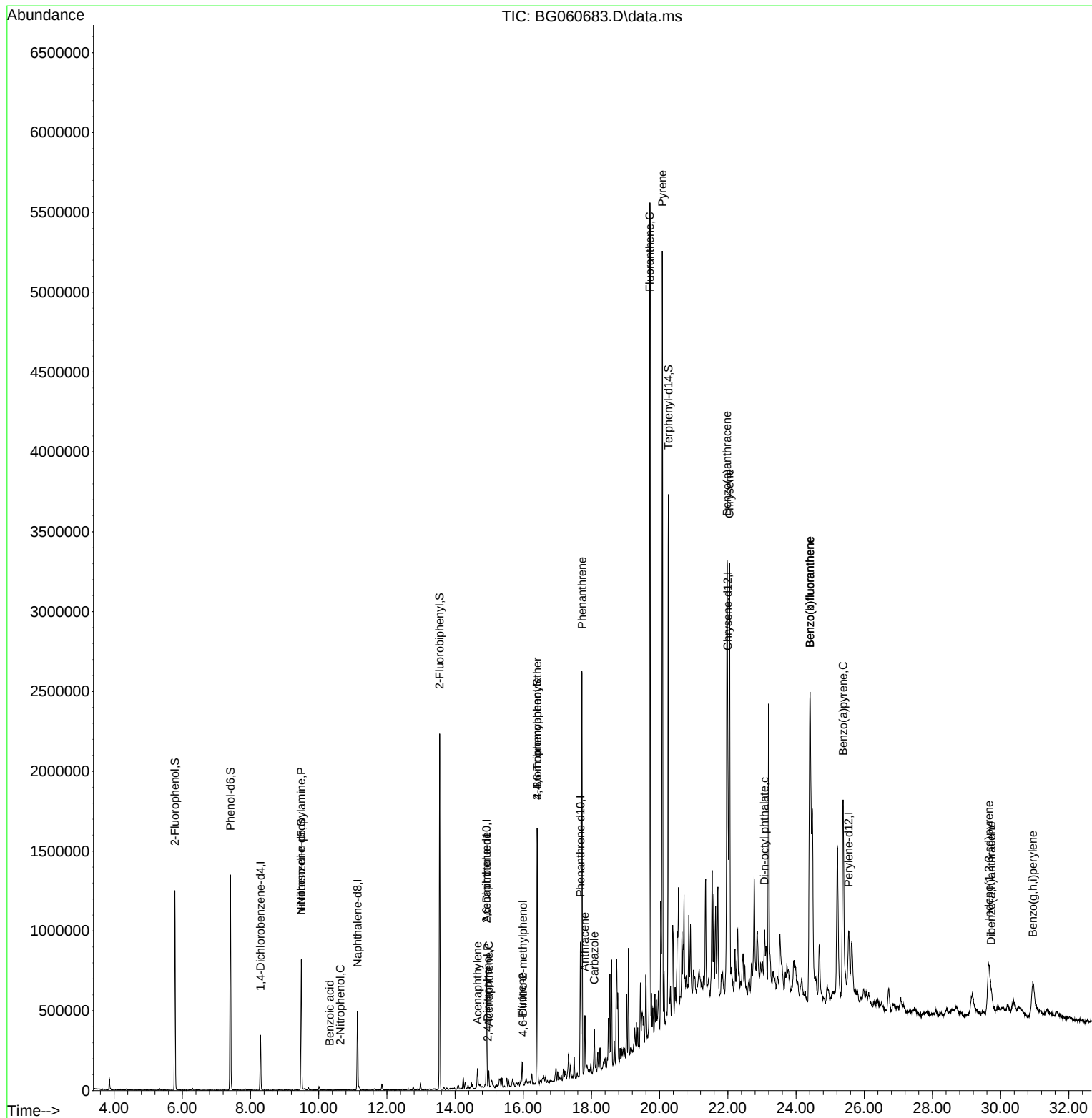
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.294	152	93793	20.000	ng	0.00
21) Naphthalene-d8	11.138	136	405498	20.000	ng	0.00
39) Acenaphthene-d10	14.928	164	259871	20.000	ng	0.00
64) Phenanthrene-d10	17.677	188	550189	20.000	ng	0.00
76) Chrysene-d12	21.996	240	496967	20.000	ng	0.00
86) Perylene-d12	25.545	264	590987	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	529278	88.708	ng	0.00
7) Phenol-d6	7.413	99	771907	89.185	ng	0.00
23) Nitrobenzene-d5	9.493	82	474332	60.878	ng	0.00
42) 2,4,6-Tribromophenol	16.414	330	303018	100.625	ng	0.00
45) 2-Fluorobiphenyl	13.547	172	1130096	58.796	ng	0.00
79) Terphenyl-d14	20.257	244	1536657	55.890	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.493	70	61100	10.184	ng	# 72
26) 2-Nitrophenol	10.639	139	117	2.271	ng	# 23
32) Benzoic acid	10.327	122	55	6.031	ng	# 9
49) Acenaphthylene	14.657	152	128310	5.283	ng	96
51) 2,6-Dinitrotoluene	14.928	165	37365	10.404	ng	# 18
52) Acenaphthene	14.992	154	35743	2.463	ng	96
54) 2,4-Dinitrophenol	14.957	184	54	6.871	ng	# 1
58) Fluorene	15.968	166	66268	3.525	ng	97
65) 4,6-Dinitro-2-methylph...	15.991	198	87	4.846	ng	# 1
67) 4-Bromophenyl-phenylether	16.414	248	20546	3.463	ng	# 1
71) Phenanthrene	17.724	178	1610377	54.336	ng	99
72) Anthracene	17.807	178	234548	7.827	ng	99
73) Carbazole	18.083	167	134641	5.167	ng	99
75) Fluoranthene	19.716	202	3342492	101.957	ng	95
78) Pyrene	20.080	202	3117570	89.891	ng	95
81) Benzo(a)anthracene	21.978	228	1886782	55.140	ng	97
83) Chrysene	22.049	228	1997382	60.117	ng	96
85) Di-n-octyl phthalate	23.077	149	87284	2.737	ng	# 81
87) Indeno(1,2,3-cd)pyrene	29.657	276	830619	20.605	ng	# 90
88) Benzo(b)fluoranthene	24.411	252	2565431	78.906	ng	96
89) Benzo(k)fluoranthene	24.411	252	2565431	75.107	ng	95
90) Benzo(a)pyrene	25.380	252	1603334	50.300	ng	96
91) Dibenzo(a,h)anthracene	29.722	278	210068	6.138	ng	# 85
92) Benzo(g,h,i)perylene	30.944	276	649425	19.600	ng	94

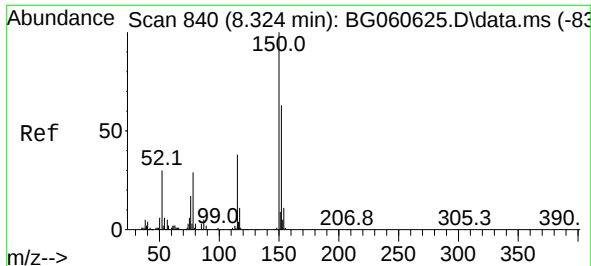
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Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031924\
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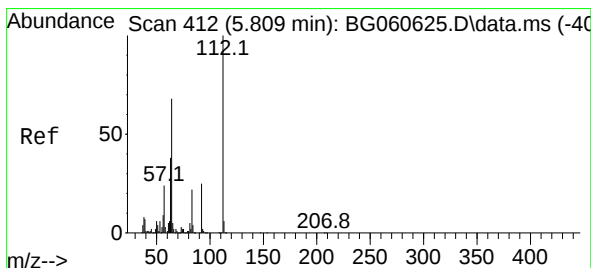
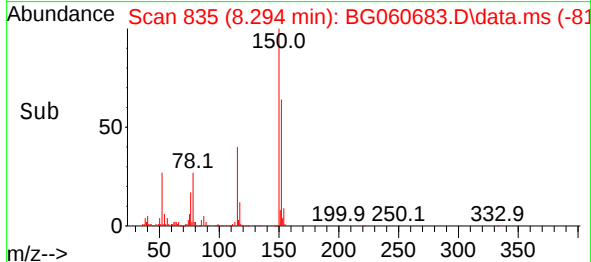
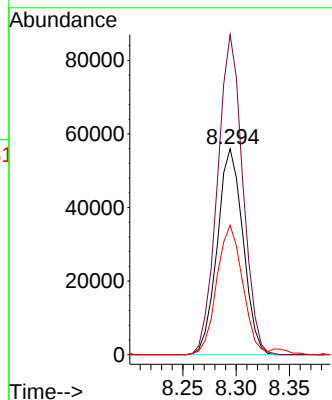
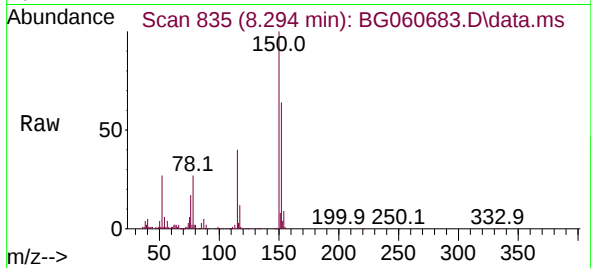




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.294 min Scan# 840
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

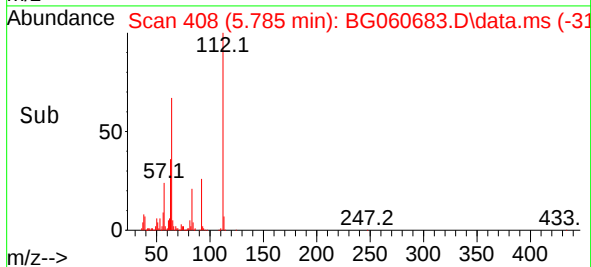
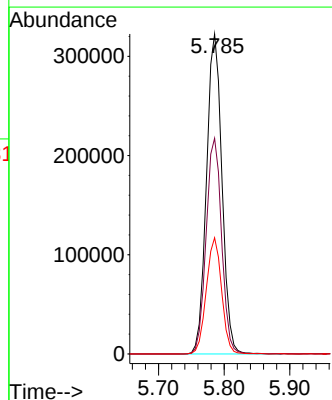
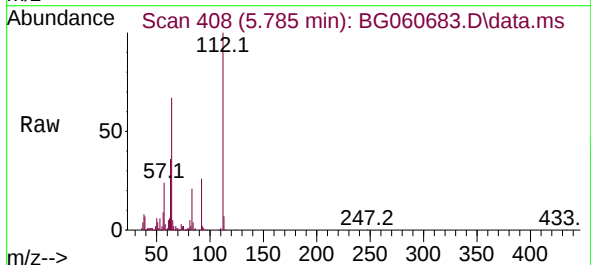
Instrument :
BNA_G
ClientSampleId :
72-11977

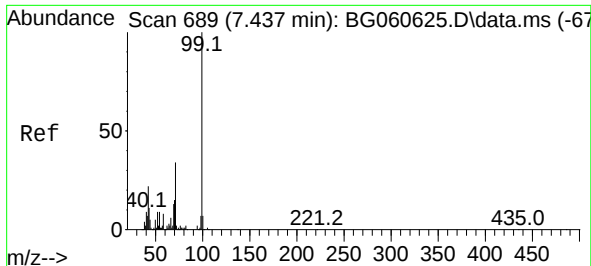
Tgt Ion:152 Resp: 93793
Ion Ratio Lower Upper
152 100
150 155.4 126.6 190.0
115 62.9 47.8 71.8



#5
2-Fluorophenol
Concen: 88.708 ng
RT: 5.785 min Scan# 408
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:112 Resp: 529278
Ion Ratio Lower Upper
112 100
64 67.4 54.1 81.1
63 36.3 30.3 45.5

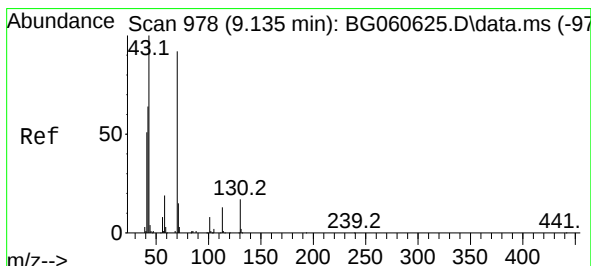
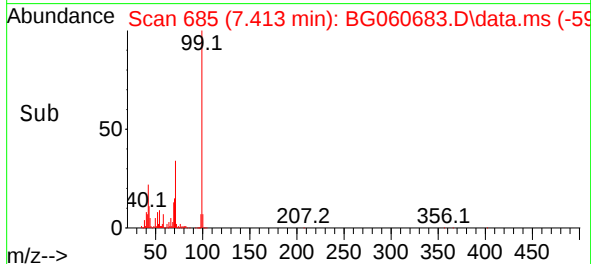
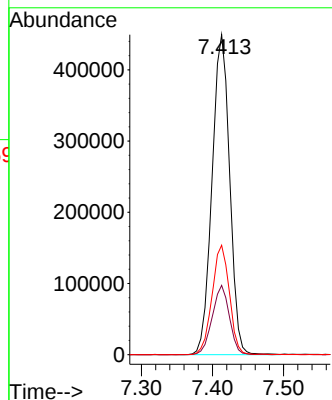
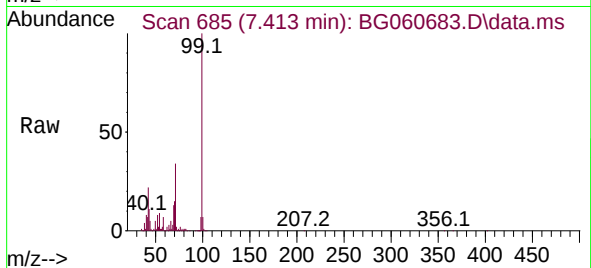




#7
Phenol-d6
Concen: 89.185 ng
RT: 7.413 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

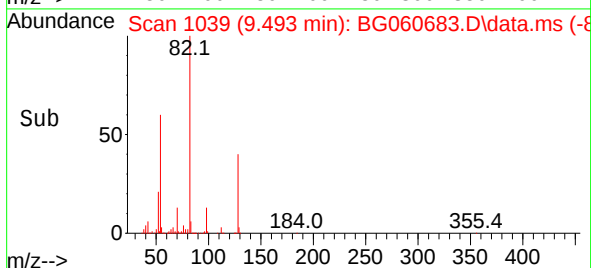
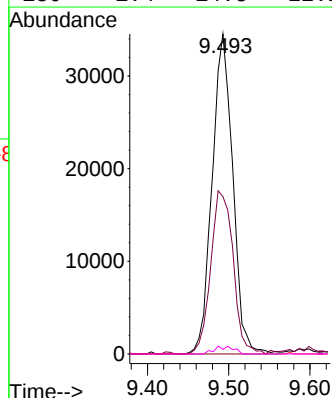
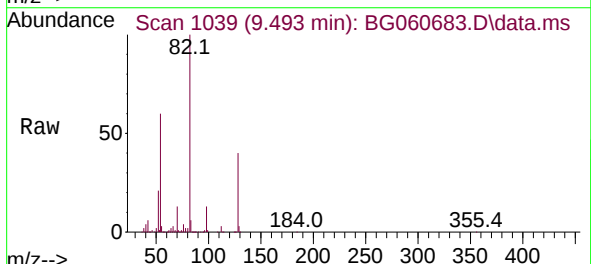
Instrument :
BNA_G
ClientSampleId :
72-11977

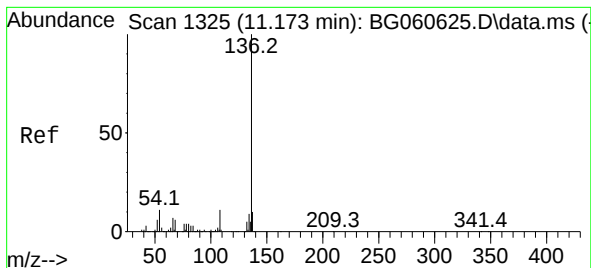
Tgt Ion: 99 Resp: 771907
Ion Ratio Lower Upper
99 100
42 21.6 17.5 26.3
71 34.2 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 10.184 ng
RT: 9.493 min Scan# 1039
Delta R.T. 0.394 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion: 70 Resp: 61100
Ion Ratio Lower Upper
70 100
42 49.2 56.2 84.2#
101 0.0 7.4 11.0#
130 1.4 14.8 22.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.138 min Scan# 14

Delta R.T. 0.000 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

Tgt Ion:136 Resp: 405498

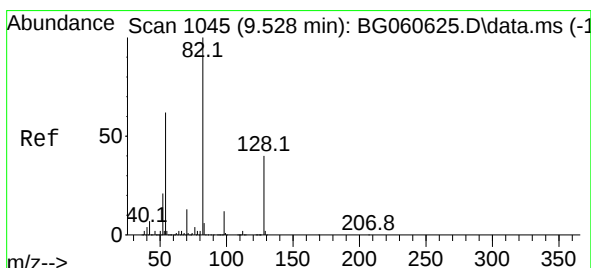
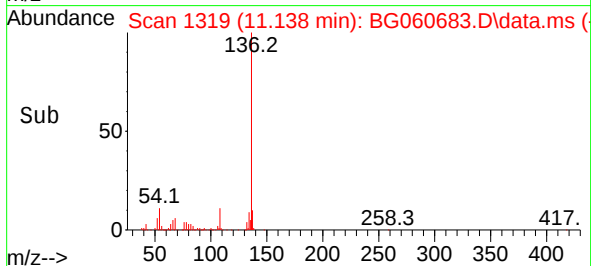
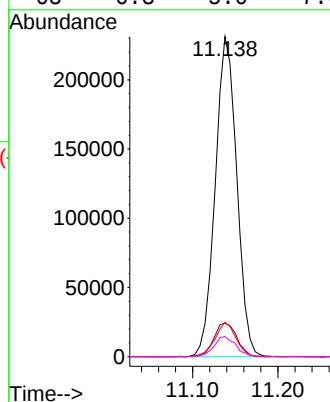
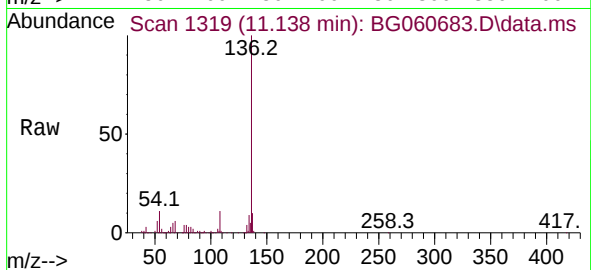
Ion Ratio Lower Upper

136 100

137 10.5 8.4 12.6

54 10.7 8.5 12.7

68 6.3 5.0 7.6



#23

Nitrobenzene-d5

Concen: 60.878 ng

RT: 9.493 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

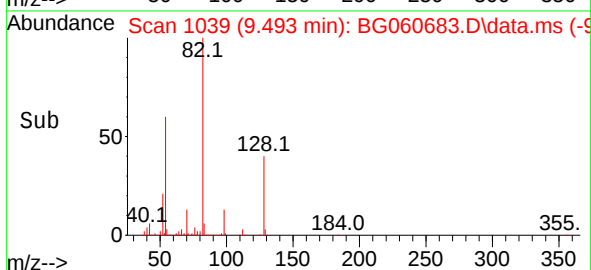
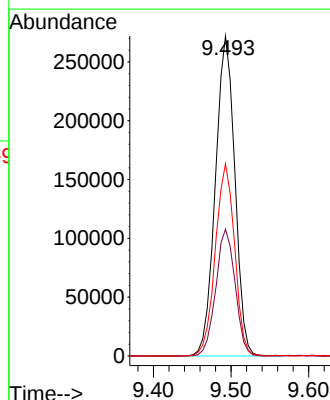
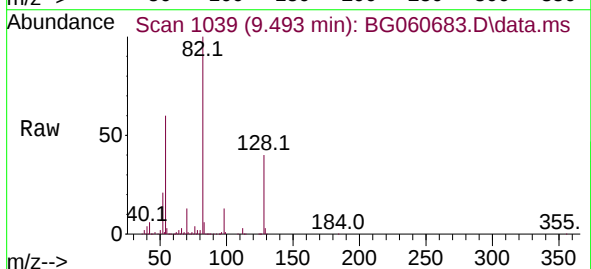
Tgt Ion: 82 Resp: 474332

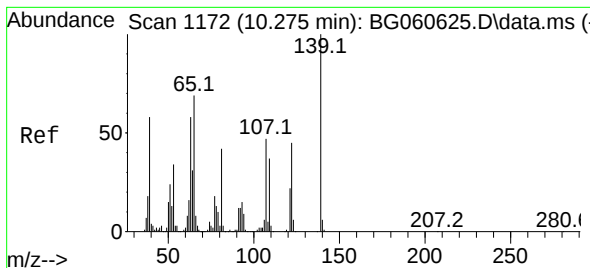
Ion Ratio Lower Upper

82 100

128 39.6 31.6 47.4

54 60.0 49.3 73.9

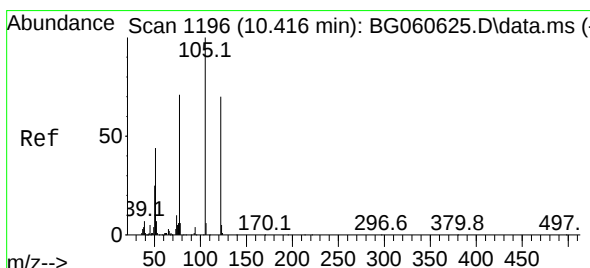
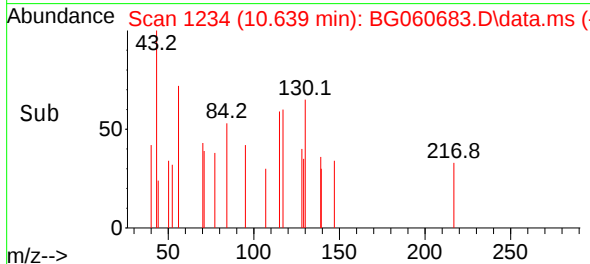
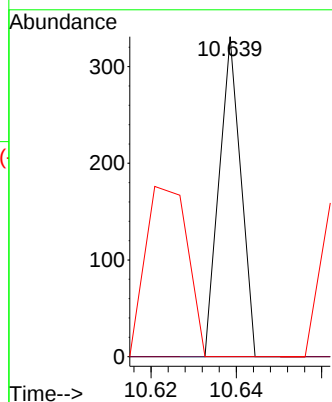
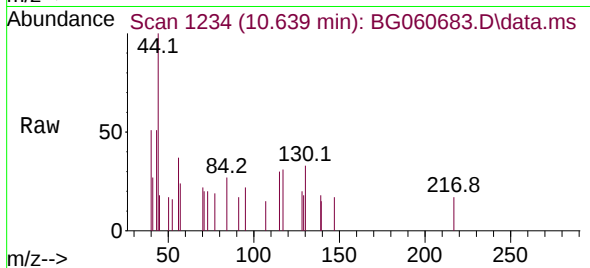




#26
2-Nitrophenol
Concen: 2.271 ng
RT: 10.639 min Scan# 1172
Delta R.T. 0.400 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

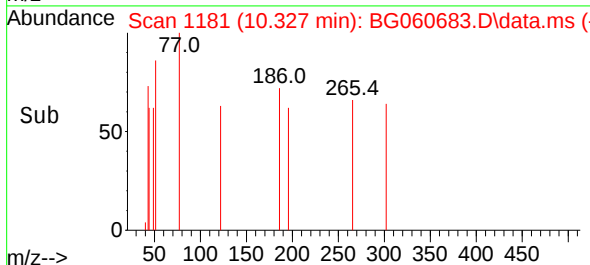
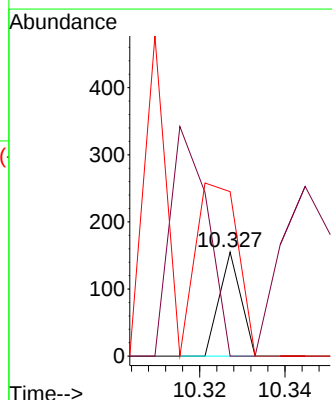
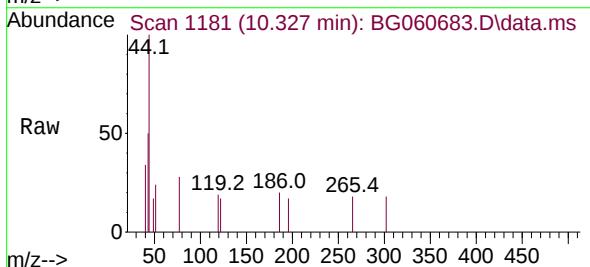
Instrument :
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ClientSampleId :
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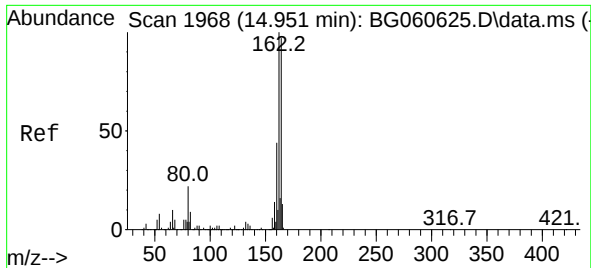
Tgt Ion:139 Resp: 117
Ion Ratio Lower Upper
139 100
109 0.0 29.5 44.3#
65 0.0 55.0 82.4#



#32
Benzoic acid
Concen: 6.031 ng
RT: 10.327 min Scan# 1181
Delta R.T. -0.041 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 115.0 155.0#
77 158.1 79.0 119.0#

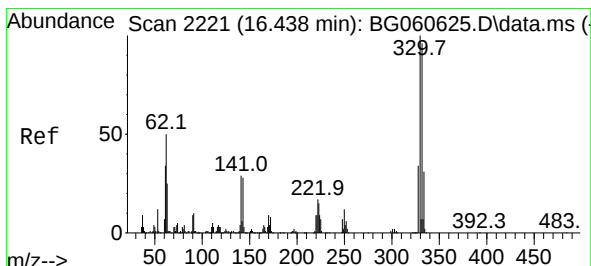
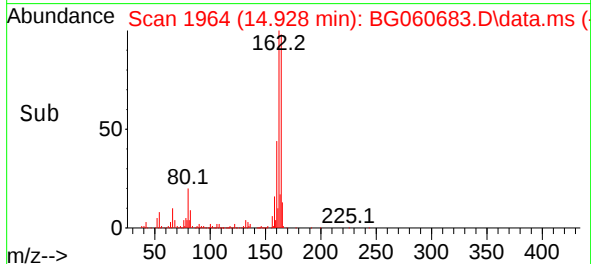
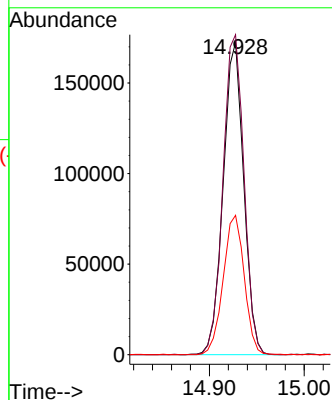
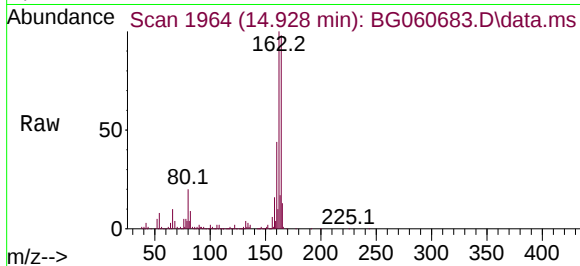




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.928 min Scan# 1964
Delta R.T. 0.000 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

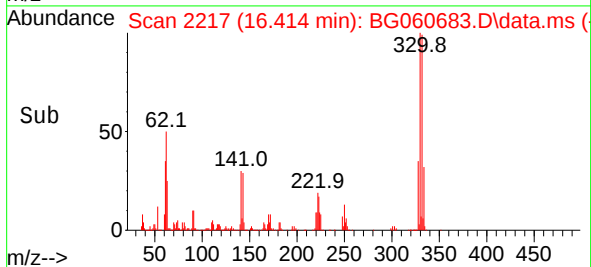
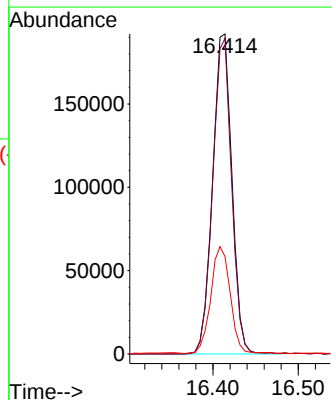
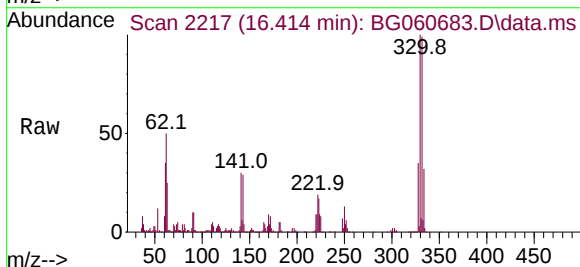
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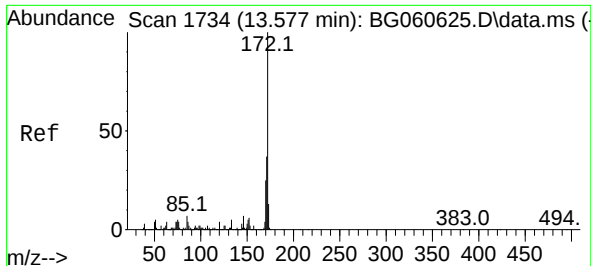
Tgt Ion:164 Resp: 259871
Ion Ratio Lower Upper
164 100
162 102.4 82.5 123.7
160 44.6 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 100.625 ng
RT: 16.414 min Scan# 2217
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:330 Resp: 303018
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.8
141 33.6 25.4 38.2

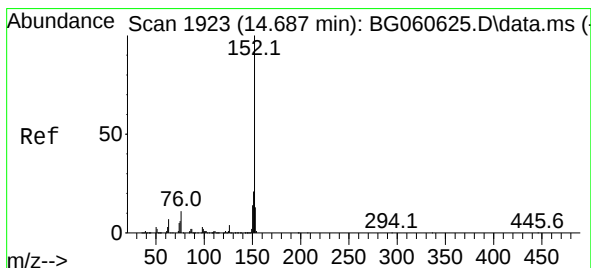
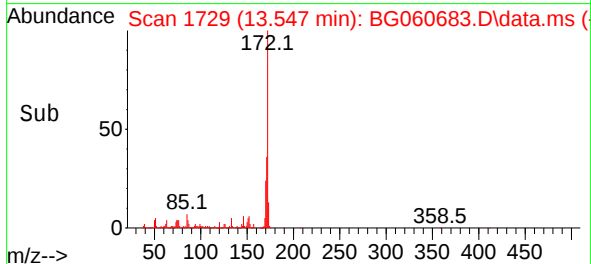
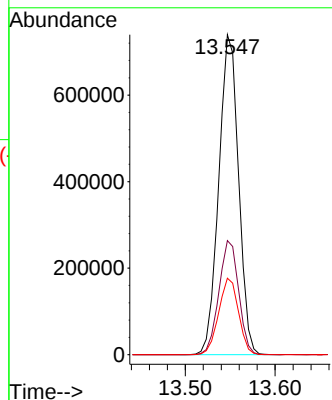
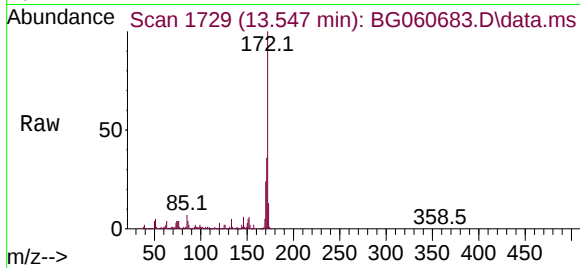




#45
2-Fluorobiphenyl
Concen: 58.796 ng
RT: 13.547 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

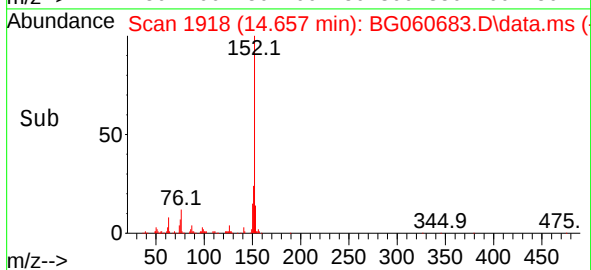
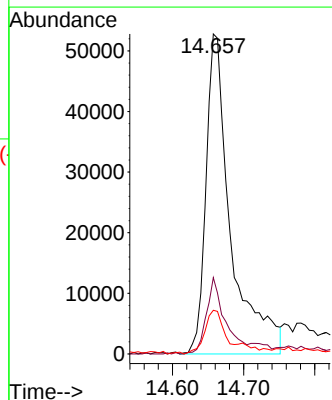
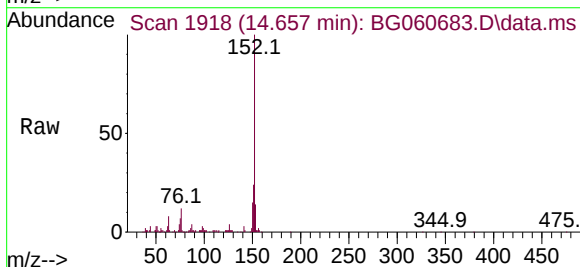
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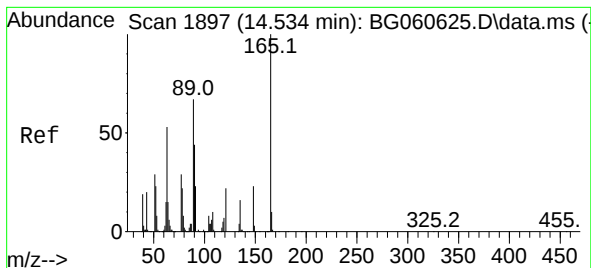
Tgt Ion:172 Resp: 1130096
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 23.9 19.8 29.6



#49
Acenaphthylene
Concen: 5.283 ng
RT: 14.657 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:152 Resp: 128310
Ion Ratio Lower Upper
152 100
151 23.8 17.1 25.7
153 13.6 10.3 15.5





#51

2,6-Dinitrotoluene

Concen: 10.404 ng

RT: 14.928 min Scan# 1

Delta R.T. 0.417 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

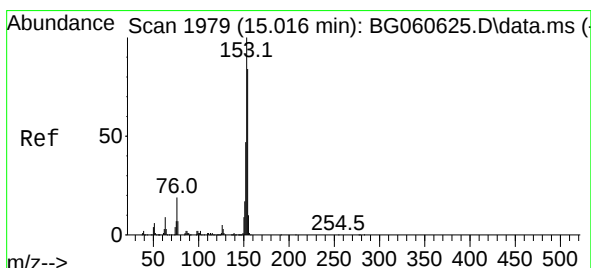
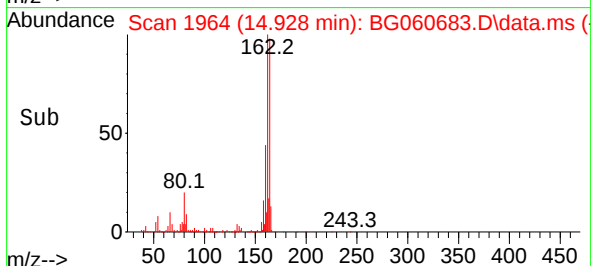
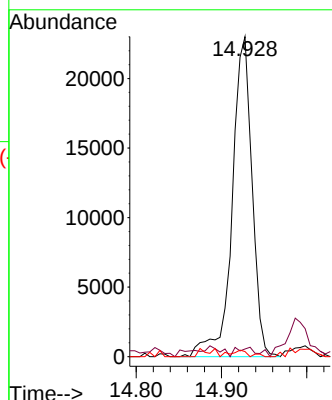
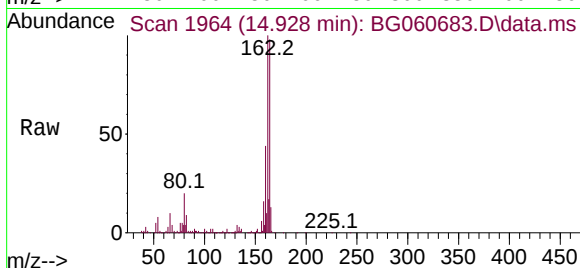
Tgt Ion:165 Resp: 37365

Ion Ratio Lower Upper

165 100

63 2.4 55.8 83.6#

89 1.6 54.1 81.1#



#52

Acenaphthene

Concen: 2.463 ng

RT: 14.992 min Scan# 1975

Delta R.T. 0.000 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

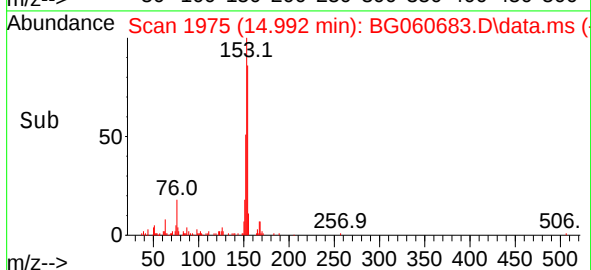
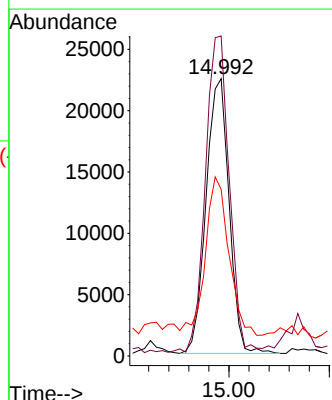
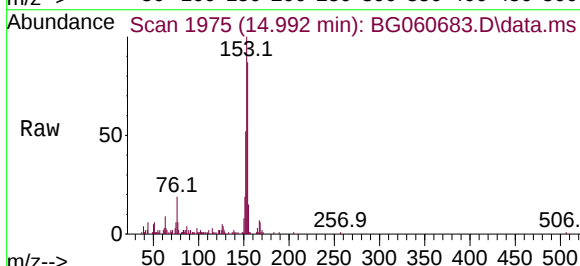
Tgt Ion:154 Resp: 35743

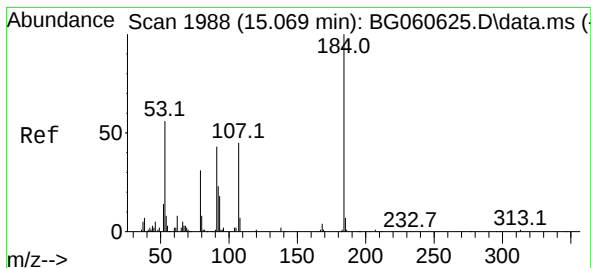
Ion Ratio Lower Upper

154 100

153 115.4 94.8 142.2

152 60.0 44.8 67.2

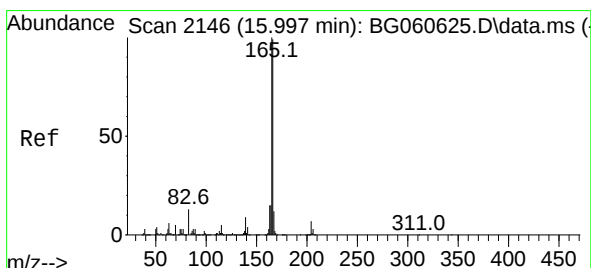
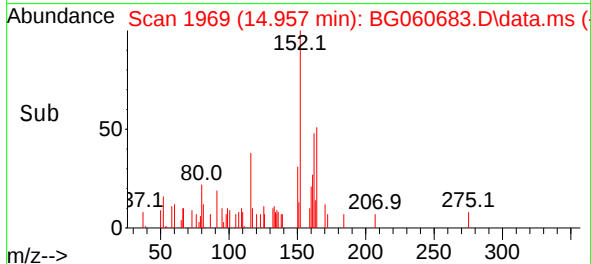
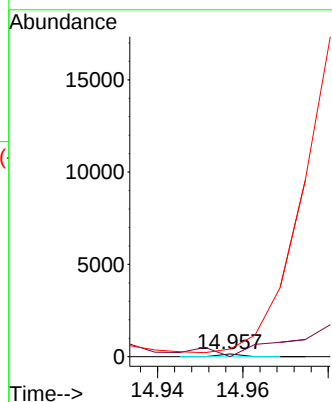
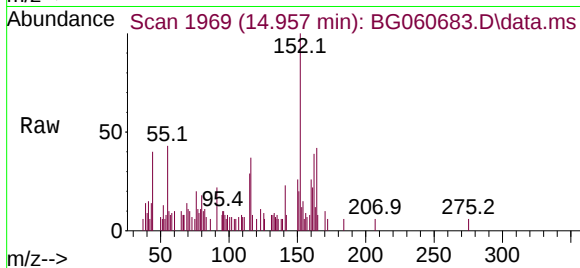




#54
2,4-Dinitrophenol
Concen: 6.871 ng
RT: 14.957 min Scan# 1969
Delta R.T. -0.088 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

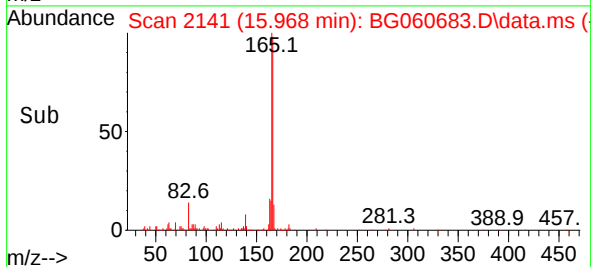
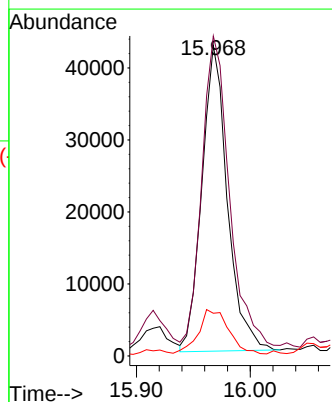
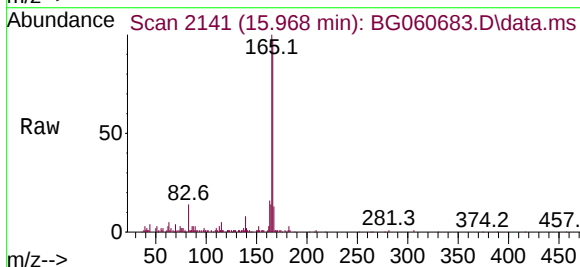
Instrument :
BNA_G
ClientSampleId :
72-11977

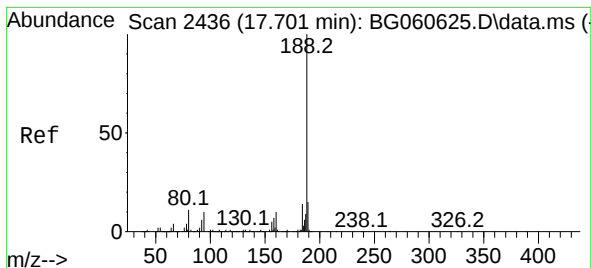
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 54.4 81.6#
154 271.7 50.4 75.6#



#58
Fluorene
Concen: 3.525 ng
RT: 15.968 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:166 Resp: 66268
Ion Ratio Lower Upper
166 100
165 103.1 80.5 120.7
167 13.8 9.9 14.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.677 min Scan# 2436

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

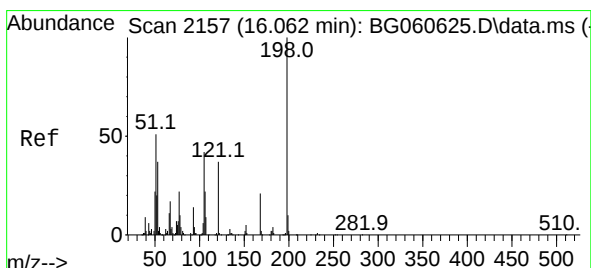
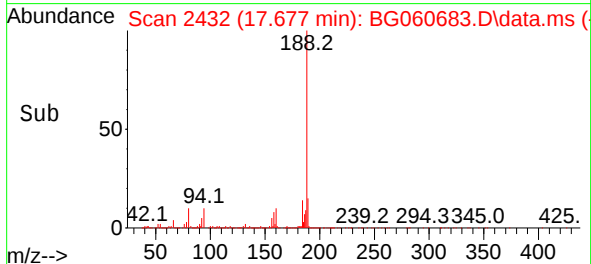
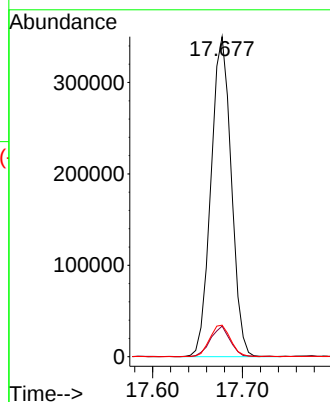
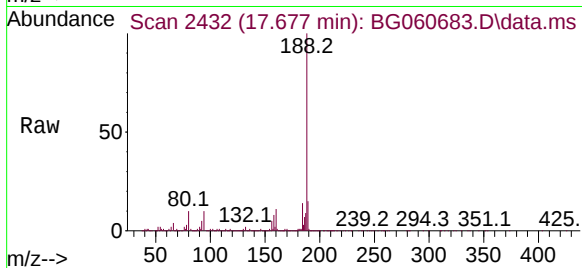
Tgt Ion:188 Resp: 550189

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 9.9 8.6 13.0



#65

4,6-Dinitro-2-methylphenol

Concen: 4.846 ng

RT: 15.991 min Scan# 2145

Delta R.T. -0.047 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

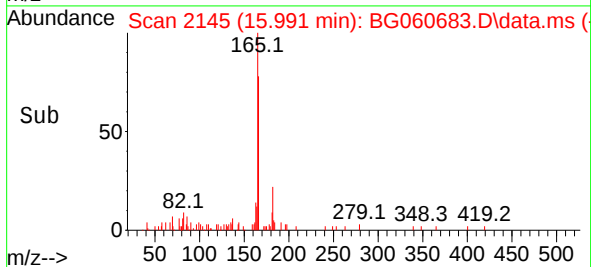
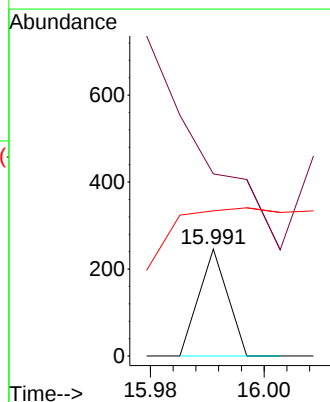
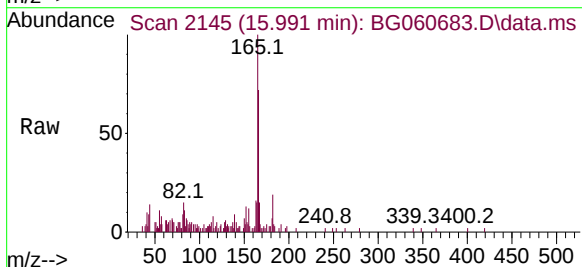
Tgt Ion:198 Resp: 87

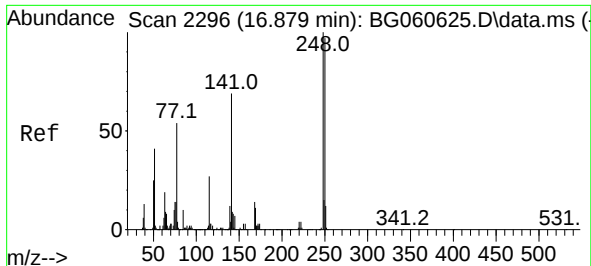
Ion Ratio Lower Upper

198 100

51 170.3 36.9 76.9#

105 135.8 22.4 62.4#

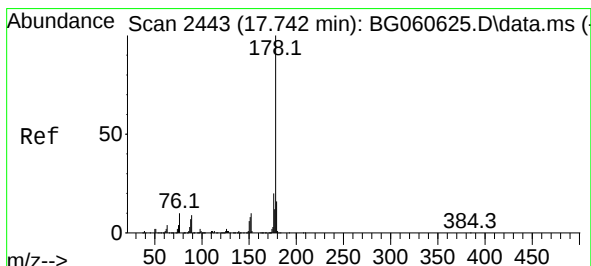
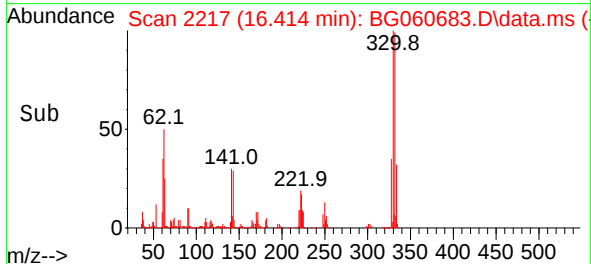
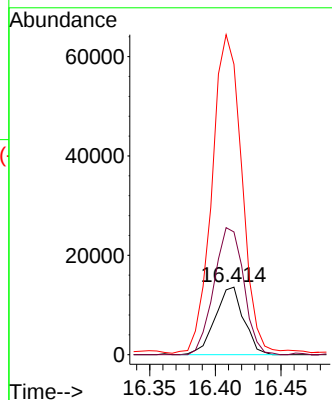
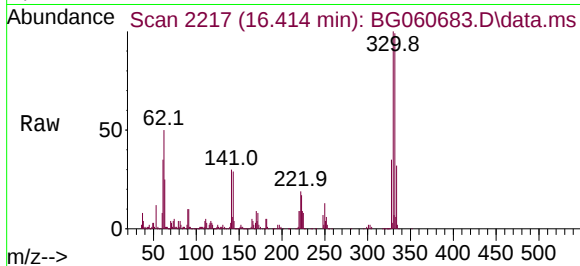




#67
4-Bromophenyl-phenylether
Concen: 3.463 ng
RT: 16.414 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

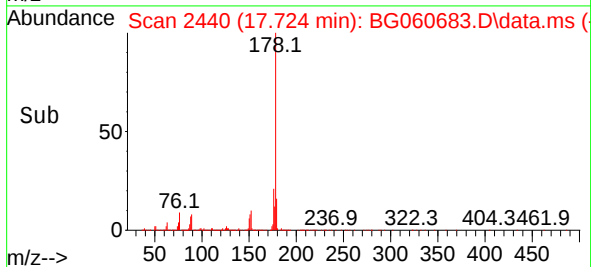
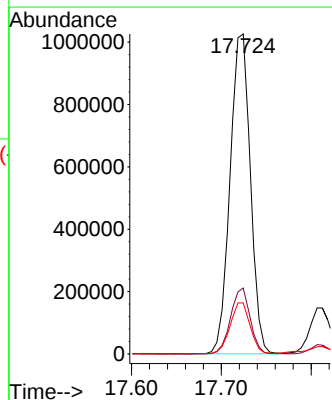
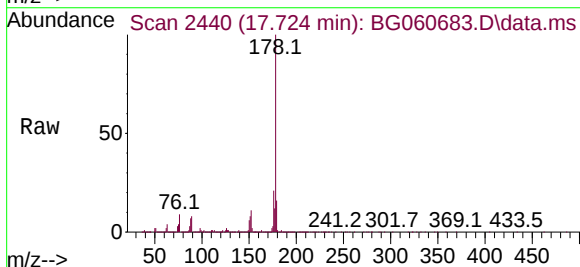
Instrument :
BNA_G
ClientSampleId :
72-11977

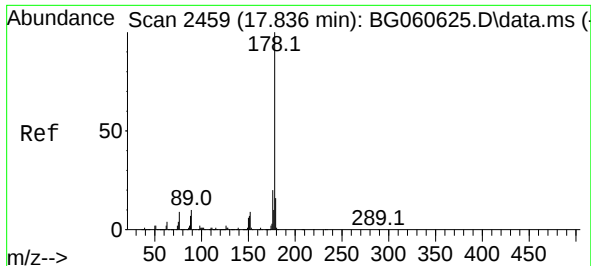
Tgt Ion:248 Resp: 20546
Ion Ratio Lower Upper
248 100
250 181.8 77.8 116.6#
141 430.5 55.1 82.7#



#71
Phenanthrene
Concen: 54.336 ng
RT: 17.724 min Scan# 2440
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:178 Resp: 1610377
Ion Ratio Lower Upper
178 100
176 20.6 16.1 24.1
179 16.0 12.9 19.3

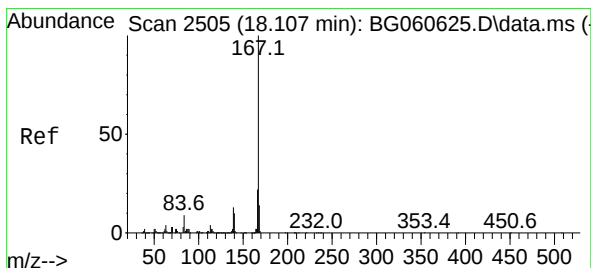
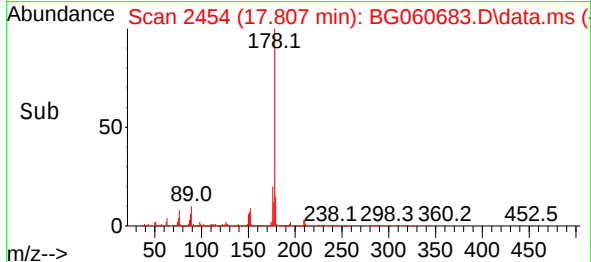
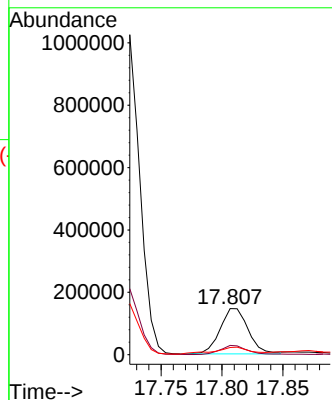
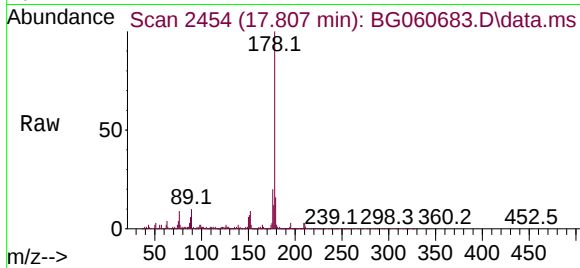




#72
 Anthracene
 Concen: 7.827 ng
 RT: 17.807 min Scan# 2454
 Delta R.T. -0.006 min
 Lab File: BG060683.D
 Acq: 19 Mar 2024 16:09

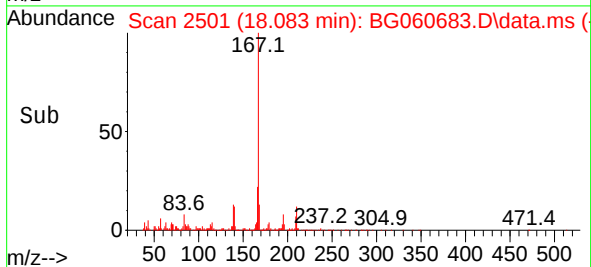
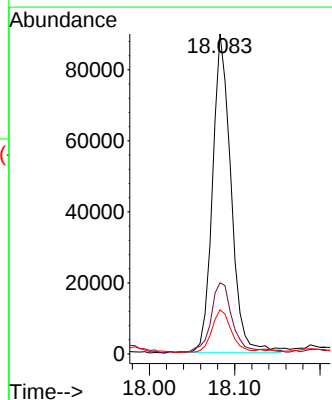
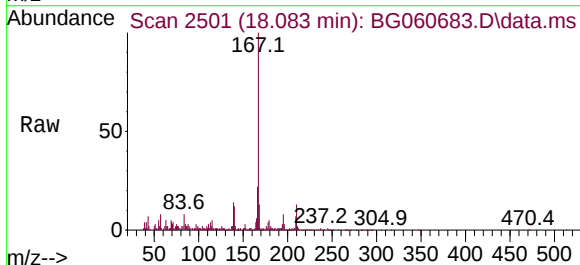
Instrument :
 BNA_G
 ClientSampleId :
 72-11977

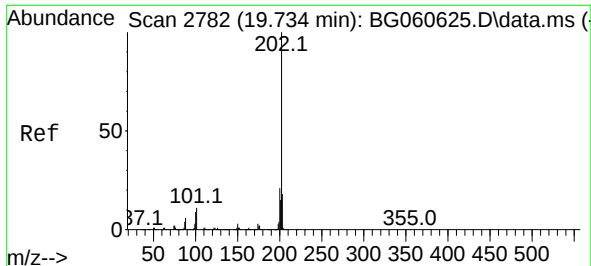
Tgt Ion:178 Resp: 234548
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.8 23.6
 179 15.8 12.6 19.0



#73
 Carbazole
 Concen: 5.167 ng
 RT: 18.083 min Scan# 2501
 Delta R.T. 0.000 min
 Lab File: BG060683.D
 Acq: 19 Mar 2024 16:09

Tgt Ion:167 Resp: 134641
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.0 27.0
 139 13.8 10.7 16.1

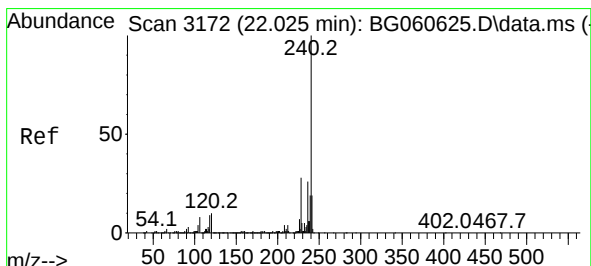
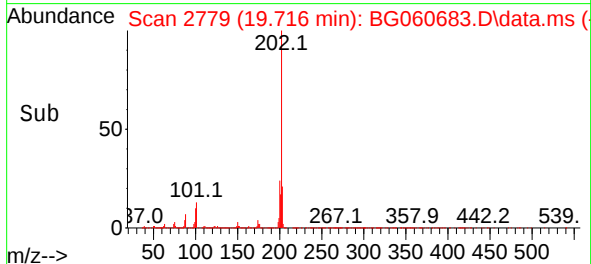
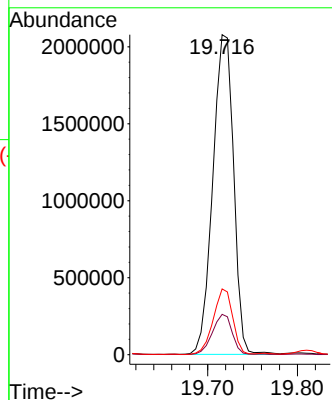
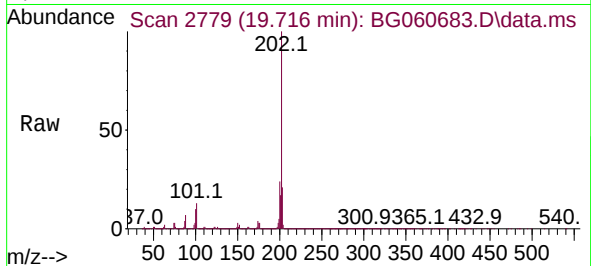




#75
Fluoranthene
Concen: 101.957 ng
RT: 19.716 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

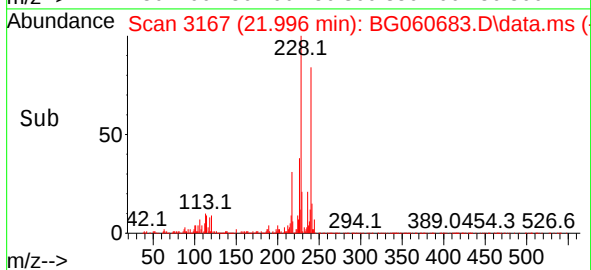
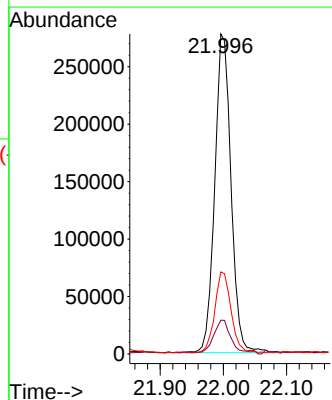
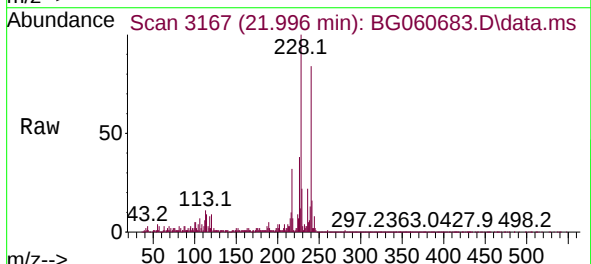
Instrument :
BNA_G
ClientSampleId :
72-11977

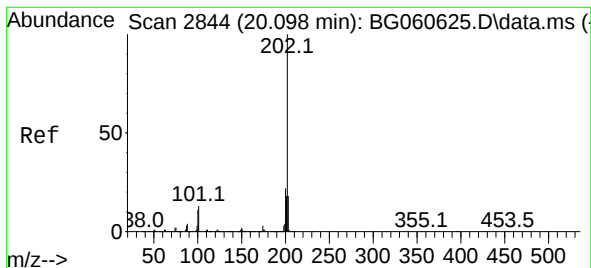
Tgt Ion:202 Resp: 3342492
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.2
203 20.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.996 min Scan# 3167
Delta R.T. 0.006 min
Lab File: BG060683.D
Acq: 19 Mar 2024 16:09

Tgt Ion:240 Resp: 496967
Ion Ratio Lower Upper
240 100
120 10.5 7.8 11.8
236 25.7 20.6 31.0





#78

Pyrene

Concen: 89.891 ng

RT: 20.080 min Scan# 2841

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

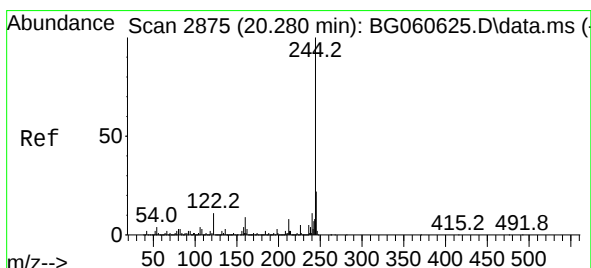
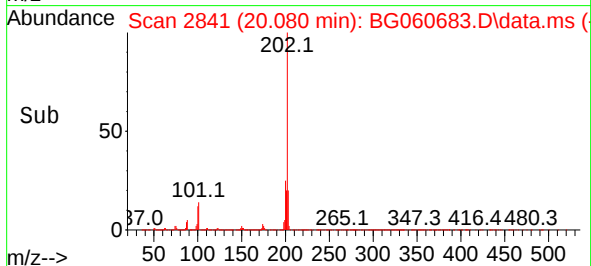
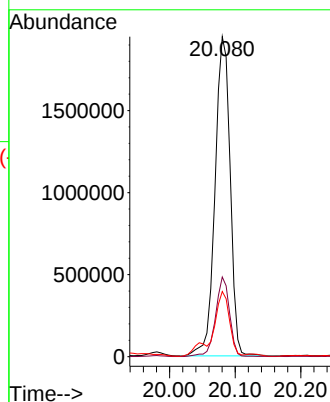
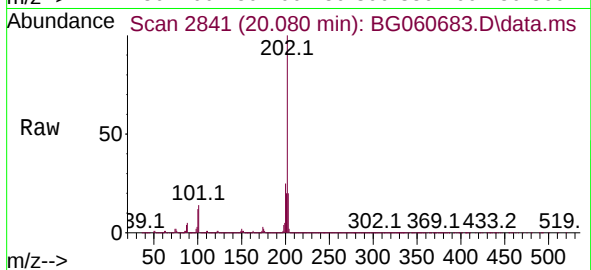
Tgt Ion:202 Resp: 3117570

Ion Ratio Lower Upper

202 100

200 24.9 17.9 26.9

203 20.3 14.3 21.5



#79

Terphenyl-d14

Concen: 55.890 ng

RT: 20.257 min Scan# 2871

Delta R.T. 0.000 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

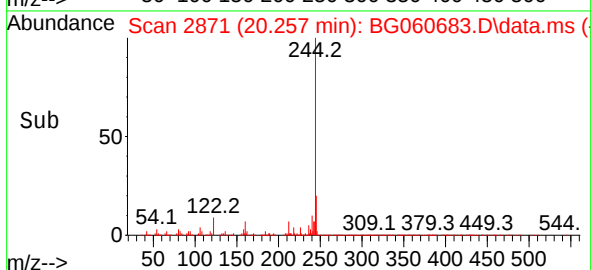
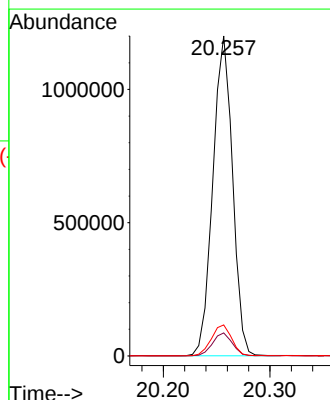
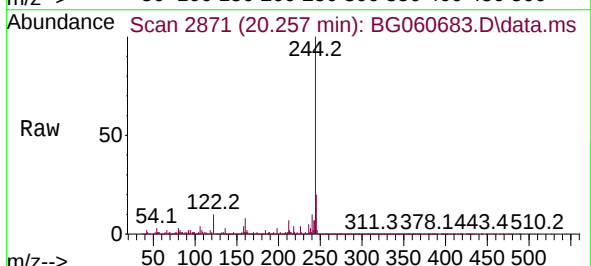
Tgt Ion:244 Resp: 1536657

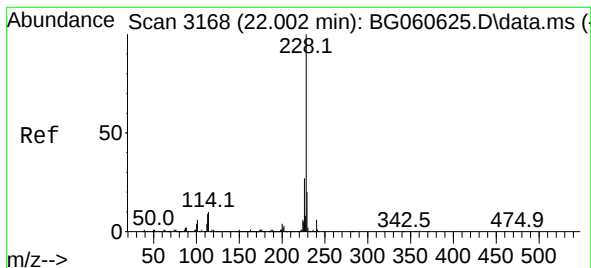
Ion Ratio Lower Upper

244 100

212 7.2 6.6 9.8

122 9.7 8.5 12.7





#81

Benzo(a)anthracene

Concen: 55.140 ng

RT: 21.978 min Scan# 3164

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

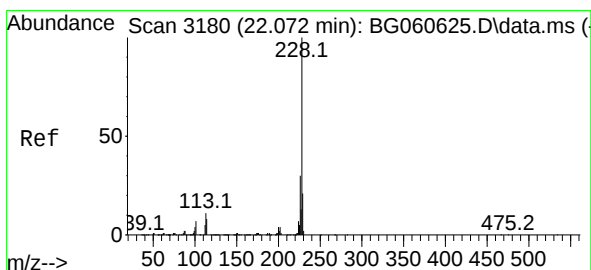
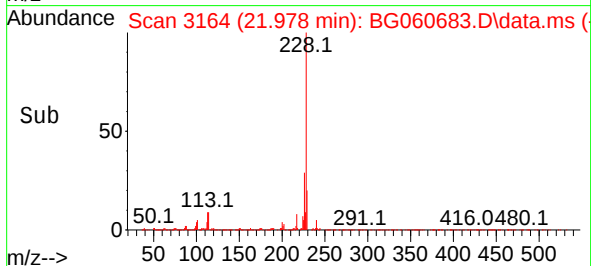
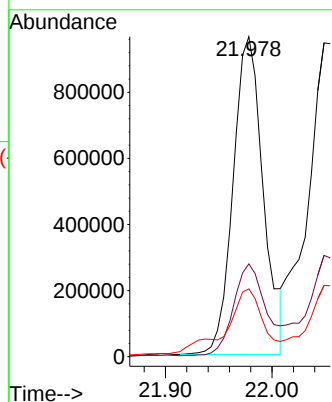
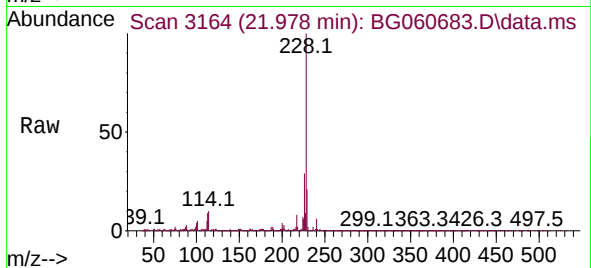
Tgt Ion:228 Resp: 1886782

Ion Ratio Lower Upper

228 100

226 29.0 21.8 32.8

229 21.2 15.8 23.6



#83

Chrysene

Concen: 60.117 ng

RT: 22.049 min Scan# 3176

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

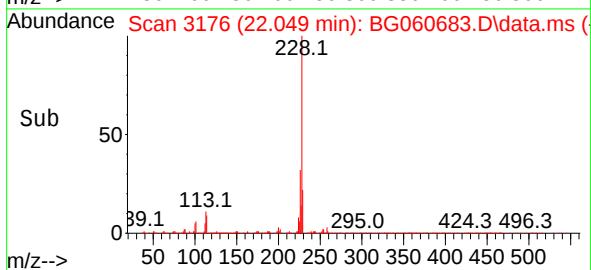
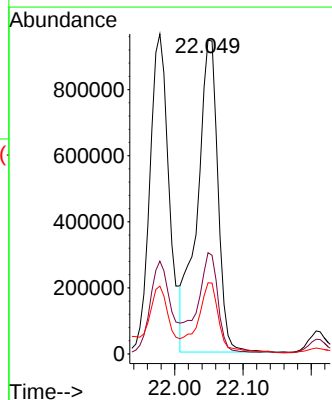
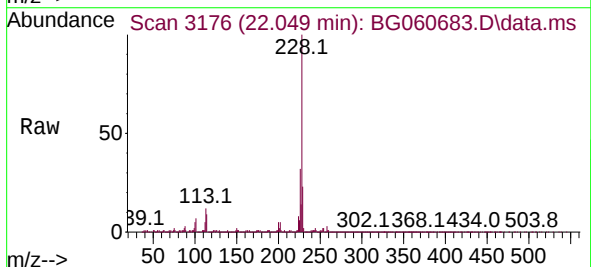
Tgt Ion:228 Resp: 1997382

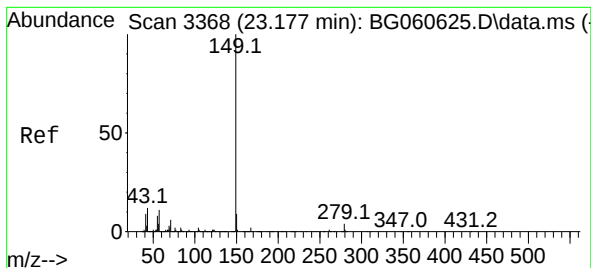
Ion Ratio Lower Upper

228 100

226 32.3 24.2 36.2

229 22.7 16.4 24.6





#85

Di-n-octyl phthalate

Concen: 2.737 ng

RT: 23.077 min Scan# 3368

Delta R.T. -0.053 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

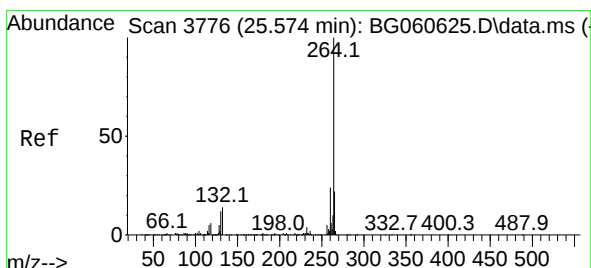
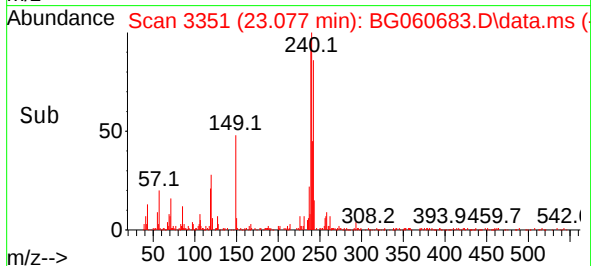
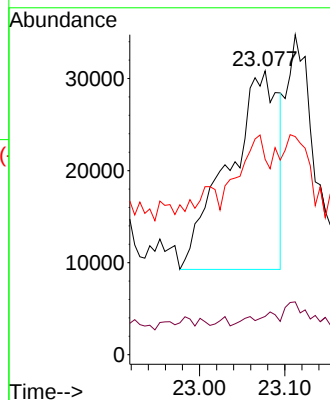
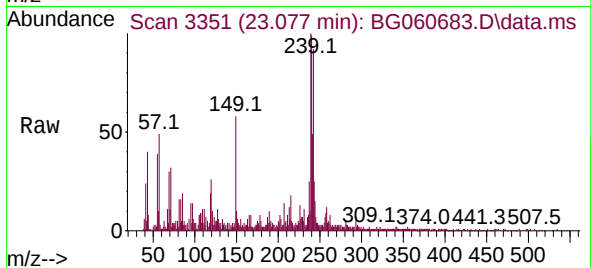
Tgt Ion:149 Resp: 87284

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 20.5 10.0 15.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.545 min Scan# 3771

Delta R.T. 0.018 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

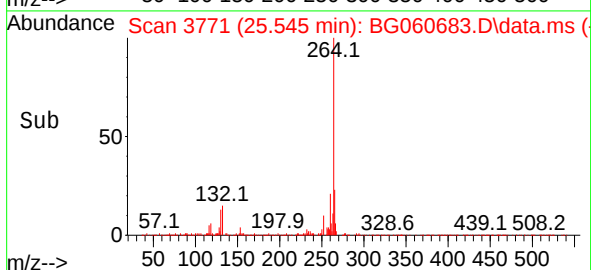
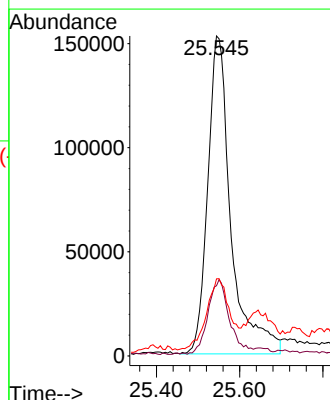
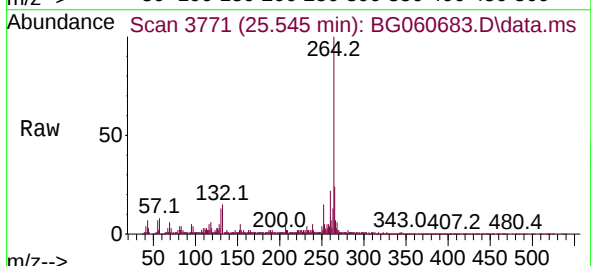
Tgt Ion:264 Resp: 590987

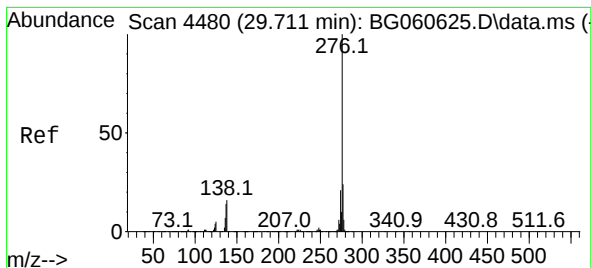
Ion Ratio Lower Upper

264 100

260 22.0 19.4 29.2

265 24.1 18.1 27.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.605 ng

RT: 29.657 min Scan# 4480

Delta R.T. 0.024 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

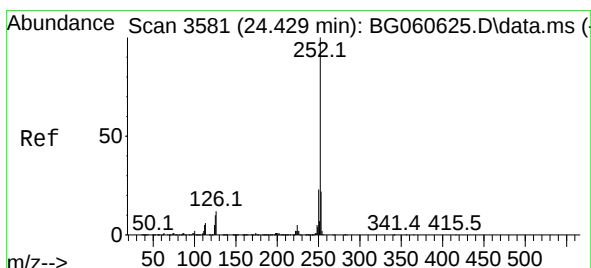
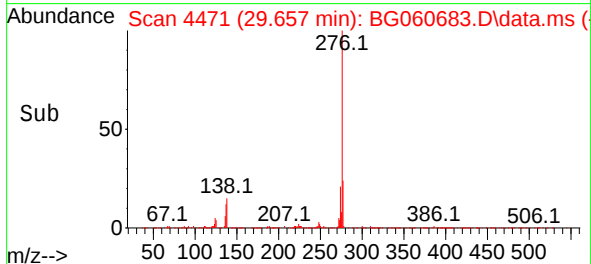
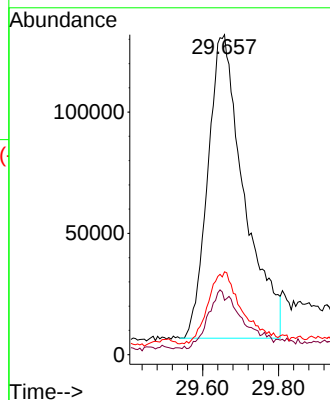
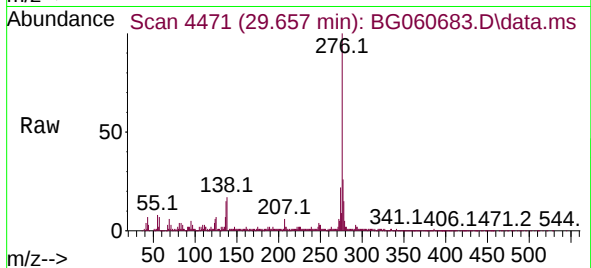
Tgt Ion:276 Resp: 830619

Ion Ratio Lower Upper

276 100

138 17.5 6.6 10.0#

277 22.6 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 78.906 ng

RT: 24.411 min Scan# 3578

Delta R.T. 0.024 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

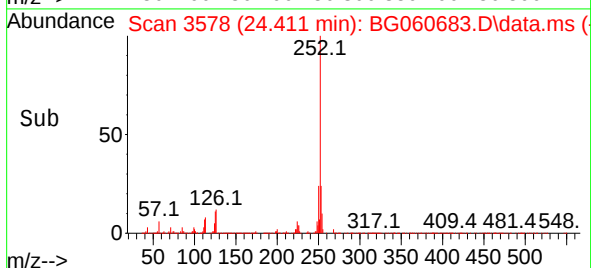
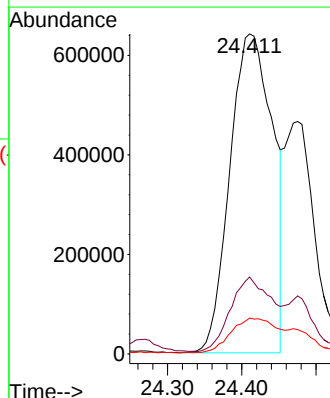
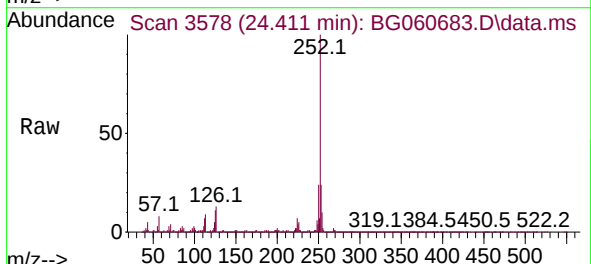
Tgt Ion:252 Resp: 2565431

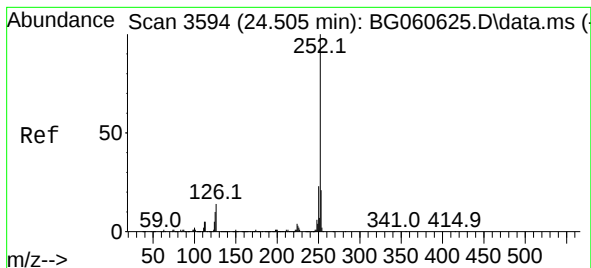
Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 11.2 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 75.107 ng

RT: 24.411 min Scan# 30

Delta R.T. -0.047 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

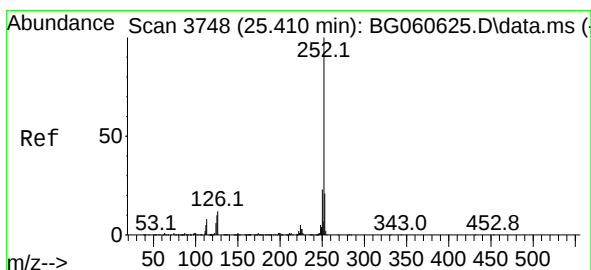
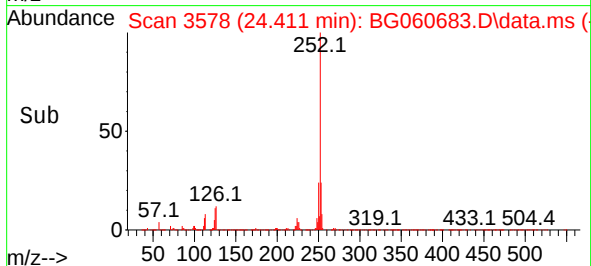
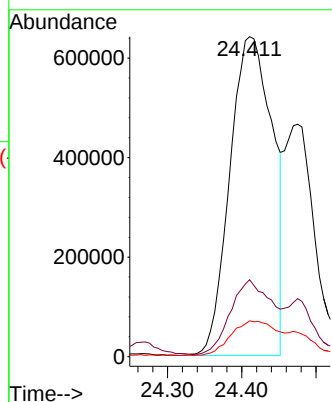
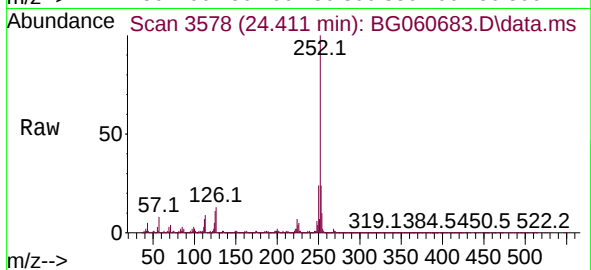
Tgt Ion:252 Resp: 2565431

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 11.2 8.0 12.0



#90

Benzo(a)pyrene

Concen: 50.300 ng

RT: 25.380 min Scan# 3743

Delta R.T. 0.024 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

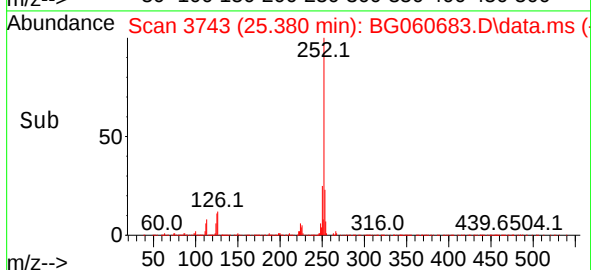
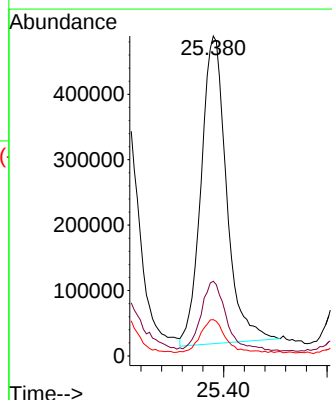
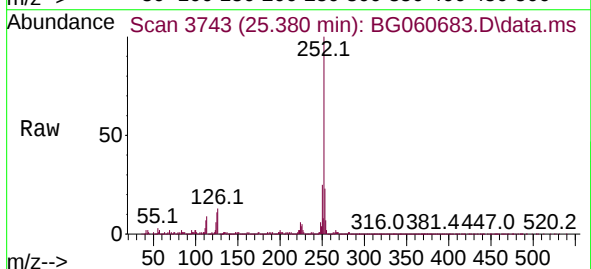
Tgt Ion:252 Resp: 1603334

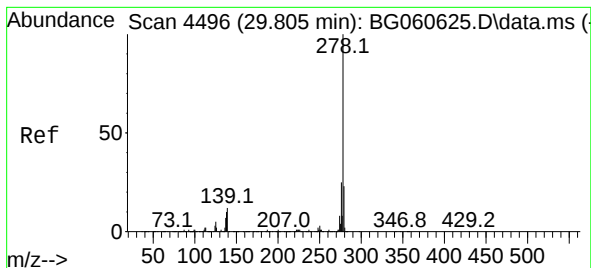
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 11.4 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 6.138 ng

RT: 29.722 min Scan# 4496

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Instrument :

BNA_G

ClientSampleId :

72-11977

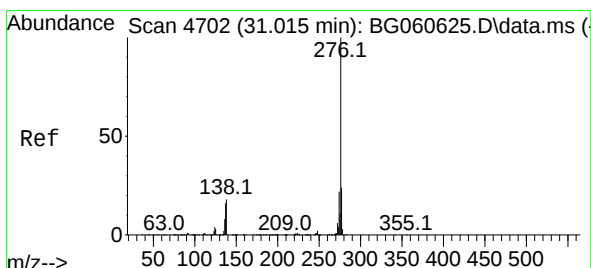
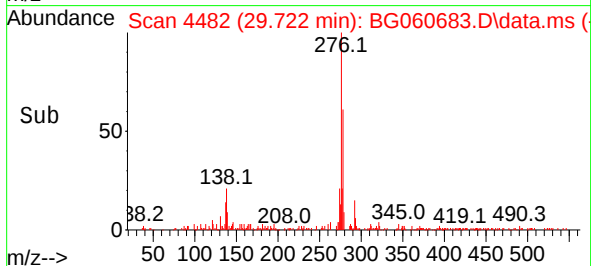
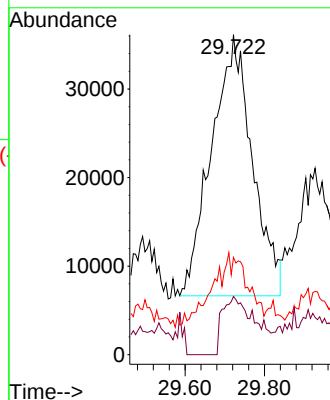
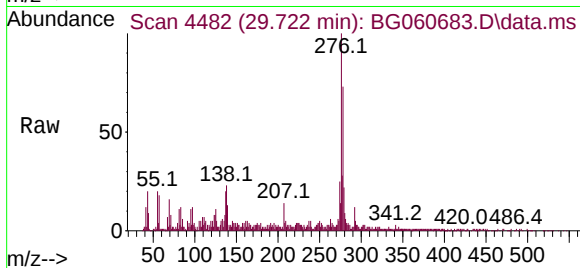
Tgt Ion:278 Resp: 210068

Ion Ratio Lower Upper

278 100

139 18.2 9.8 14.8#

279 30.4 18.4 27.6#



#92

Benzo(g,h,i)perylene

Concen: 19.600 ng

RT: 30.944 min Scan# 4690

Delta R.T. 0.006 min

Lab File: BG060683.D

Acq: 19 Mar 2024 16:09

Tgt Ion:276 Resp: 649425

Ion Ratio Lower Upper

276 100

277 26.3 19.0 28.4

138 21.2 14.4 21.6

