

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055682.D
 Acq On : 18 Nov 2022 2:10
 Operator : CG/JU
 Sample : N5638-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JC-3-111522

Quant Time: Nov 18 03:19:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

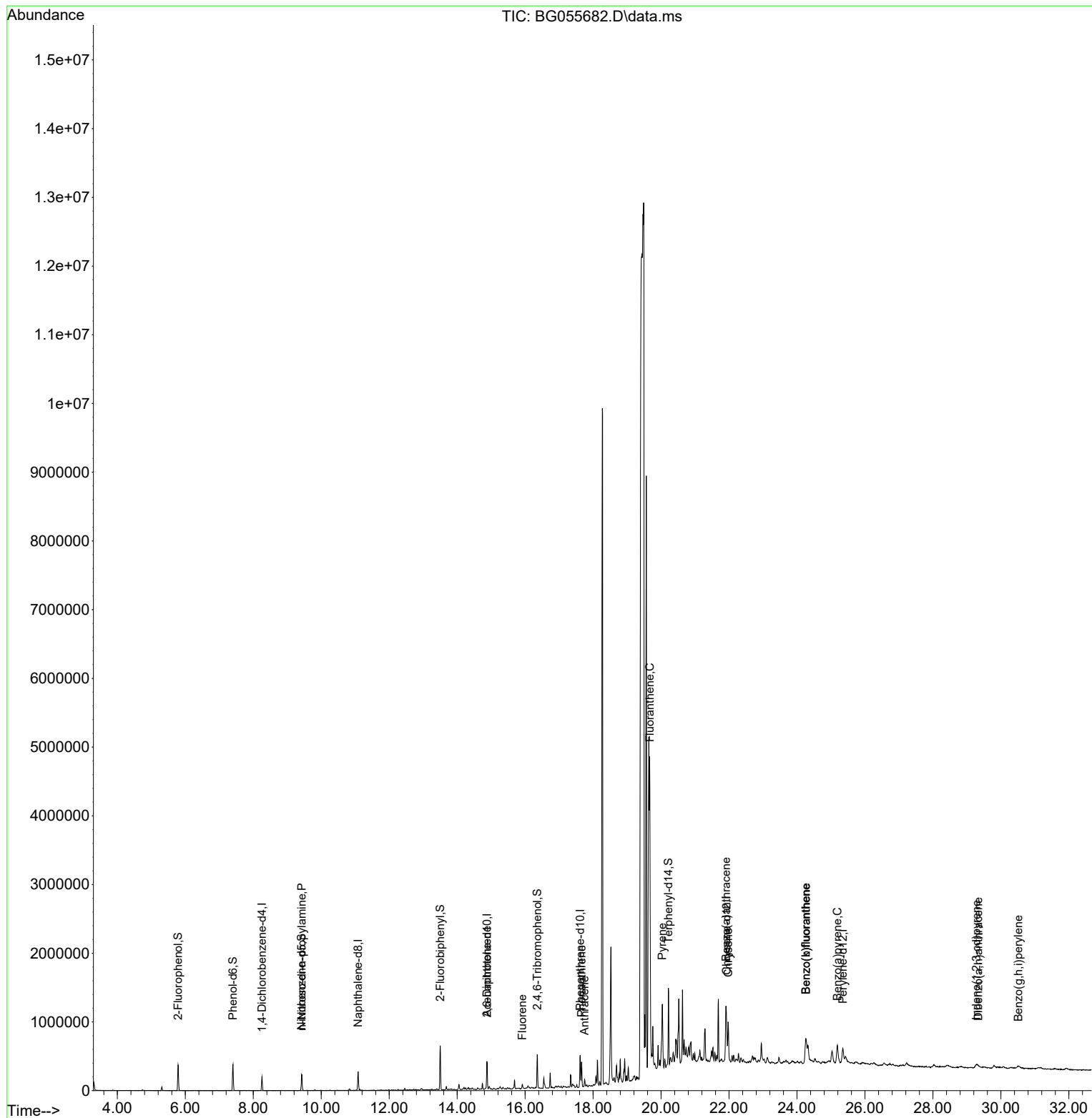
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	58455	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	232216	20.000	ng	0.00
39) Acenaphthene-d10	14.874	164	148679	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	311072	20.000	ng	0.00
76) Chrysene-d12	21.925	240	292058	20.000	ng	0.00
86) Perylene-d12	25.350	264	254375	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.785	112	172961	53.482	ng	0.00
7) Phenol-d6	7.401	99	221075	51.354	ng	0.01
23) Nitrobenzene-d5	9.422	82	137160	31.219	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	101411	48.439	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	338230	34.081	ng	0.00
79) Terphenyl-d14	20.215	244	490208	33.571	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.428	70	19413	5.869	ng	# 72
51) 2,6-Dinitrotoluene	14.874	165	21207	8.751	ng	# 27
58) Fluorene	15.914	166	23328	2.089	ng	98
71) Phenanthrene	17.659	178	226666	13.503	ng	99
72) Anthracene	17.748	178	75655	4.638	ng	99
75) Fluoranthene	19.669	202	688137	33.695	ng	96
78) Pyrene	20.033	202	793955	40.162	ng	98
81) Benzo(a)anthracene	21.907	228	552934	27.488	ng	99
83) Chrysene	21.972	228	484470	25.299	ng	99
87) Indeno(1,2,3-cd)pyrene	29.281	276	146437	7.027	ng	95
88) Benzo(b)fluoranthene	24.258	252	562688	33.966	ng	98
89) Benzo(k)fluoranthene	24.258	252	562688	34.075	ng	# 98
90) Benzo(a)pyrene	25.186	252	415746	29.245	ng	97
91) Dibenzo(a,h)anthracene	29.334	278	36534	2.145	ng	# 79
92) Benzo(g,h,i)perylene	30.509	276	118689	6.915	ng	95

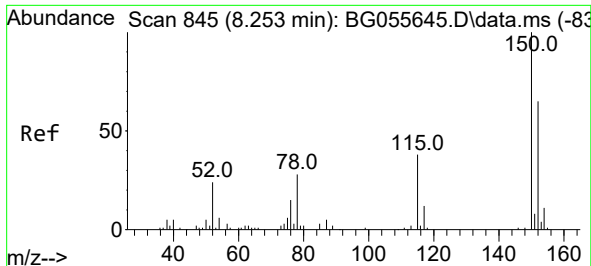
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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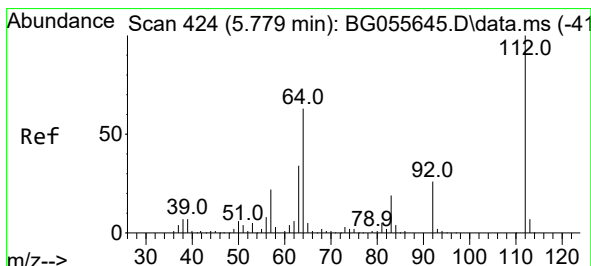
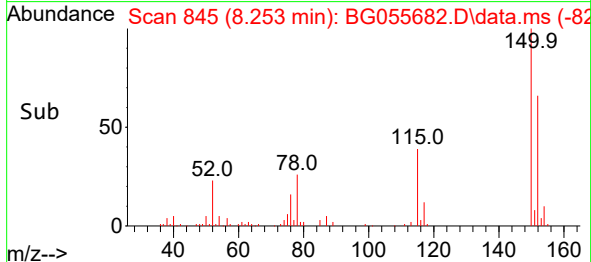
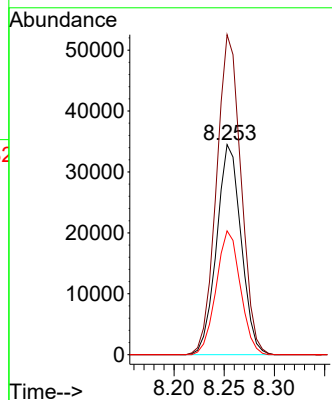
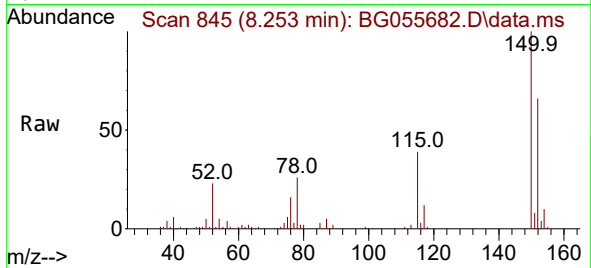




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

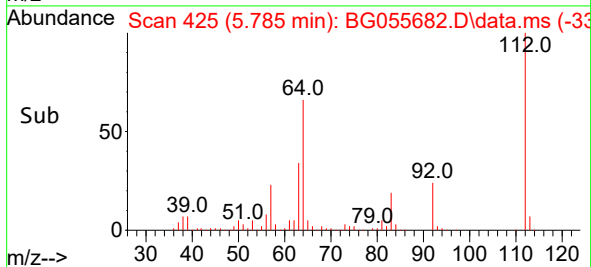
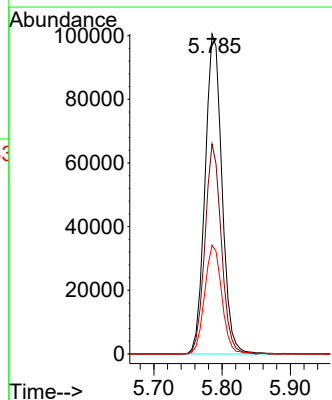
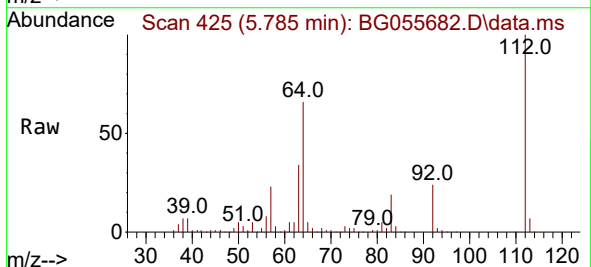
Instrument :
BNA_G
ClientSampleId :
JC-3-111522

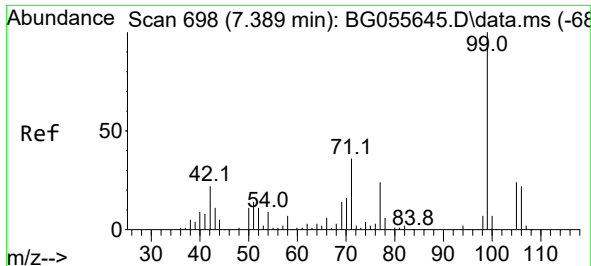
Tgt Ion:152 Resp: 58455
Ion Ratio Lower Upper
152 100
150 152.3 123.0 184.6
115 59.0 47.0 70.4



#5
2-Fluorophenol
Concen: 53.482 ng
RT: 5.785 min Scan# 425
Delta R.T. 0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion:112 Resp: 172961
Ion Ratio Lower Upper
112 100
64 65.7 50.6 76.0
63 34.0 27.5 41.3

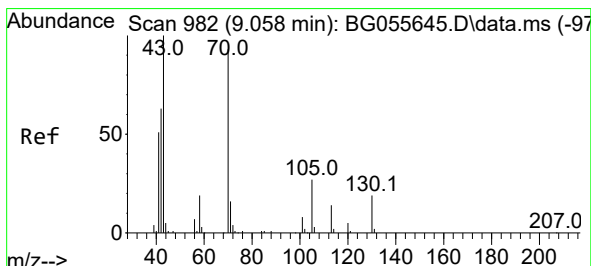
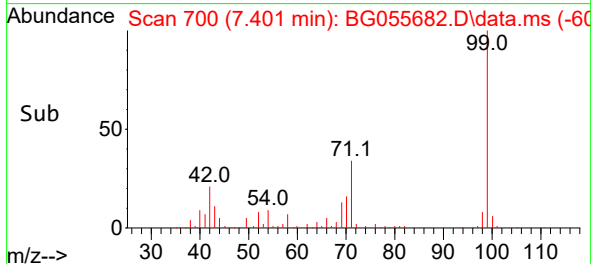
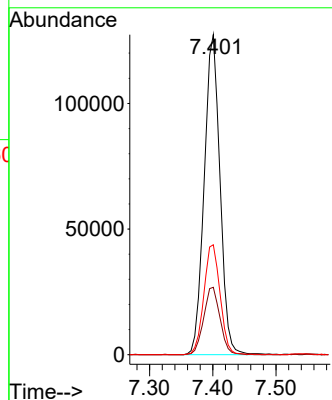
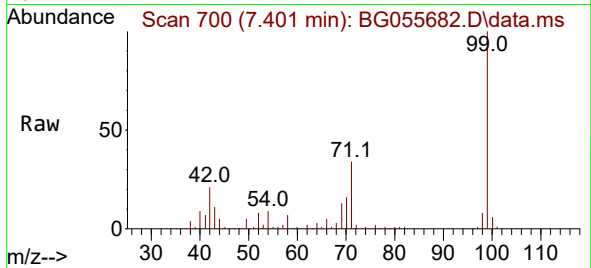




#7
Phenol-d6
Concen: 51.354 ng
RT: 7.401 min Scan# 70
Delta R.T. 0.012 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

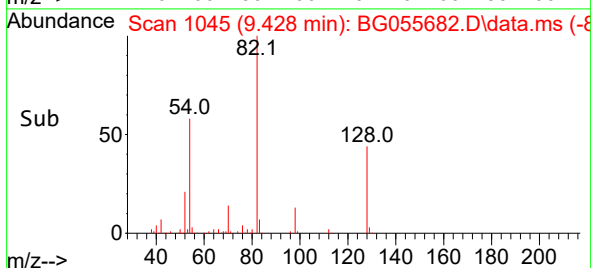
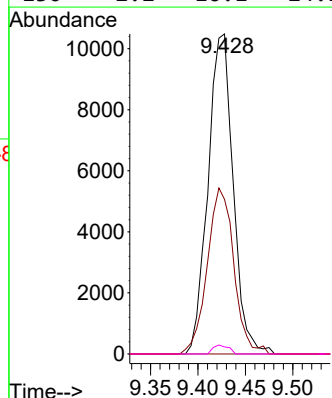
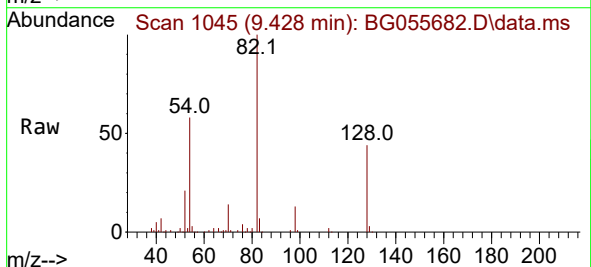
Instrument :
BNA_G
ClientSampleId :
JC-3-111522

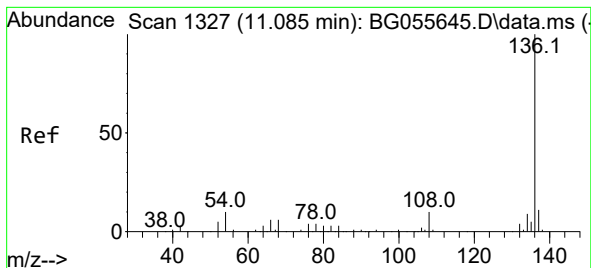
Tgt Ion: 99 Resp: 221075
Ion Ratio Lower Upper
99 100
42 21.1 18.0 27.0
71 34.3 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 5.869 ng
RT: 9.428 min Scan# 1045
Delta R.T. 0.370 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion: 70 Resp: 19413
Ion Ratio Lower Upper
70 100
42 48.3 55.2 82.8#
101 0.0 7.1 10.7#
130 2.2 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.085 min Scan# 11

Delta R.T. 0.000 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

JC-3-111522

Tgt Ion:136 Resp: 232216

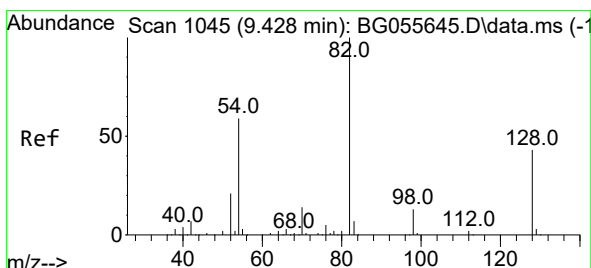
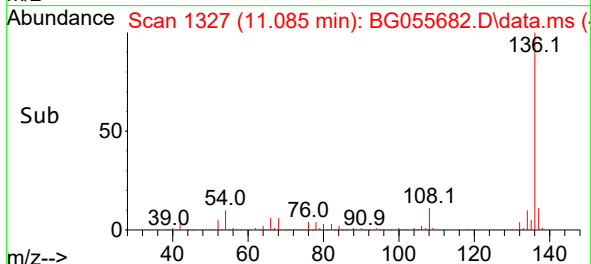
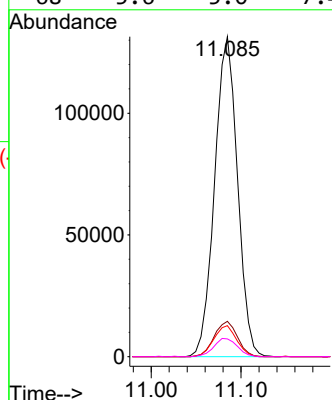
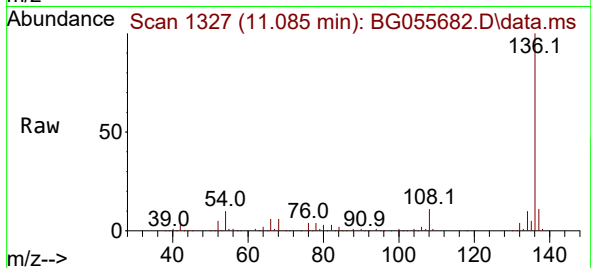
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 9.7 7.8 11.6

68 5.6 5.0 7.4



#23

Nitrobenzene-d5

Concen: 31.219 ng

RT: 9.422 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

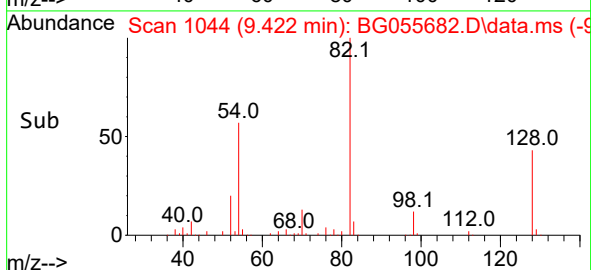
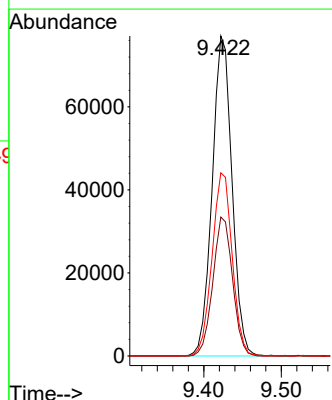
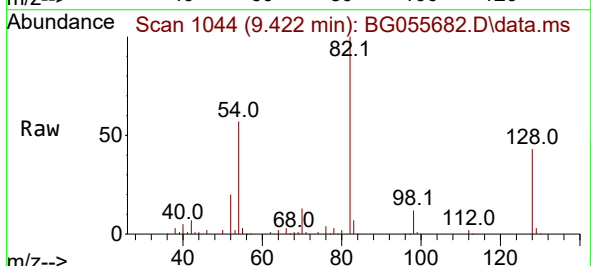
Tgt Ion: 82 Resp: 137160

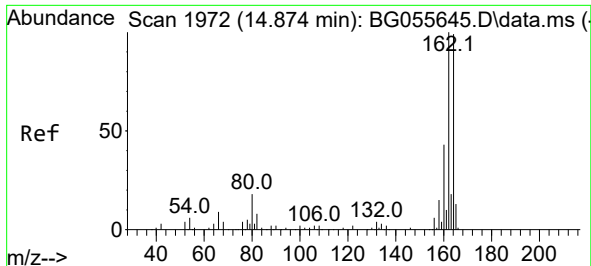
Ion Ratio Lower Upper

82 100

128 43.4 34.1 51.1

54 57.3 47.3 70.9

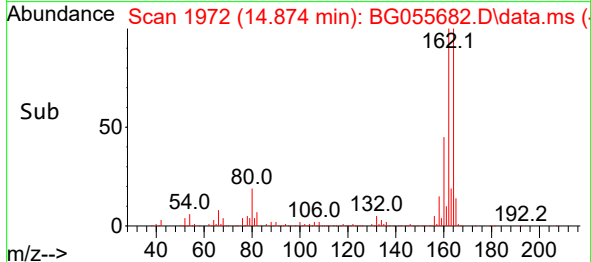
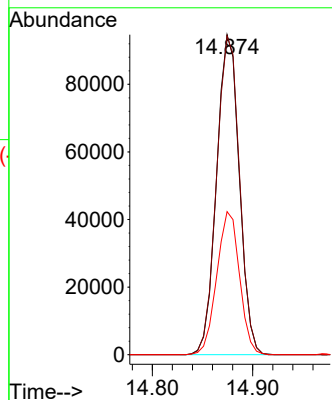
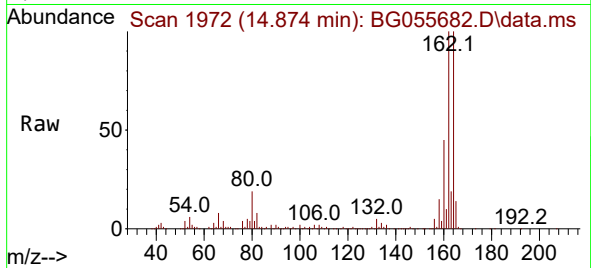




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

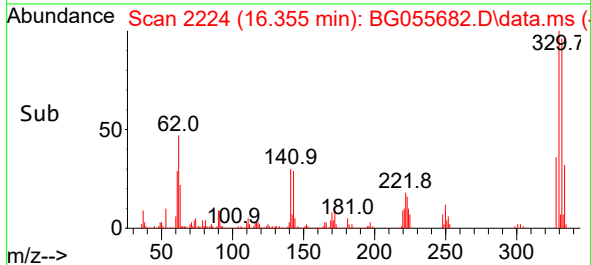
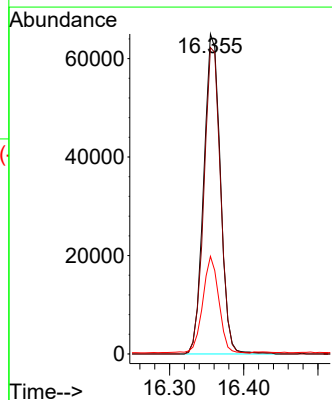
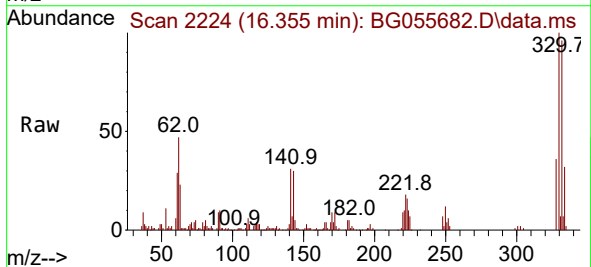
Instrument :
BNA_G
ClientSampleId :
JC-3-111522

Tgt Ion:164 Resp: 148679
Ion Ratio Lower Upper
164 100
162 99.6 81.1 121.7
160 44.7 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 48.439 ng
RT: 16.355 min Scan# 2224
Delta R.T. 0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion:330 Resp: 101411
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.8
141 29.4 23.9 35.9

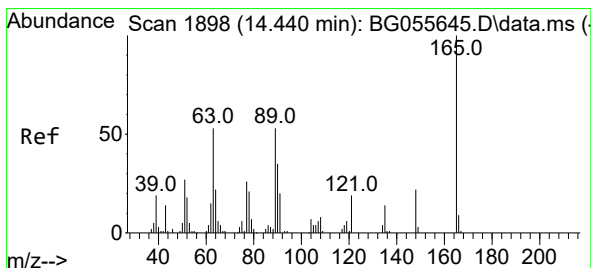
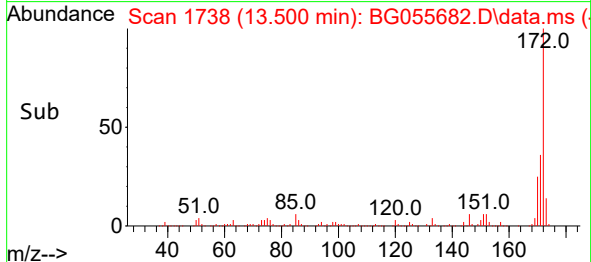
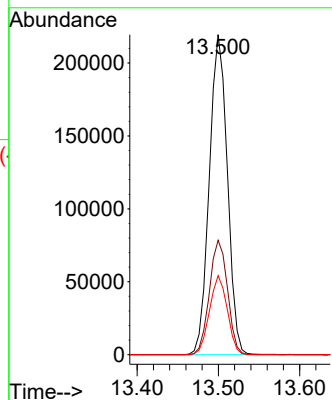
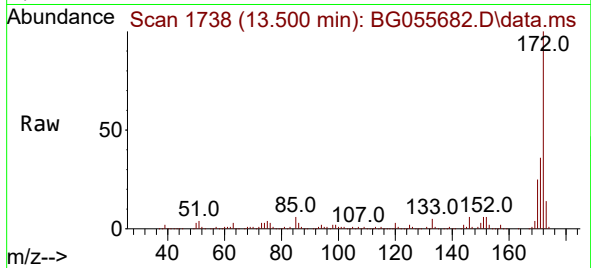




#45
2-Fluorobiphenyl
Concen: 34.081 ng
RT: 13.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

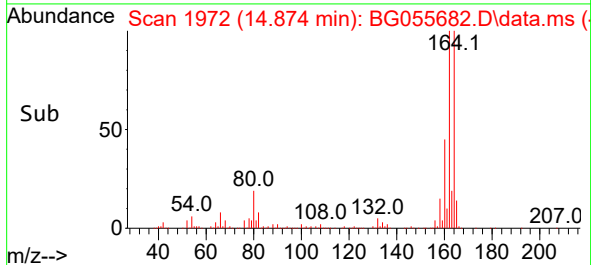
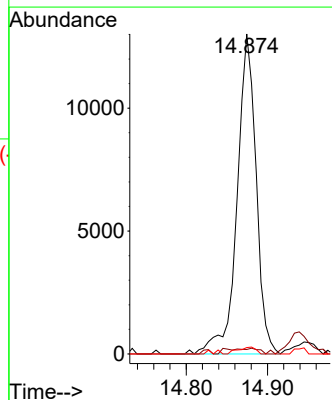
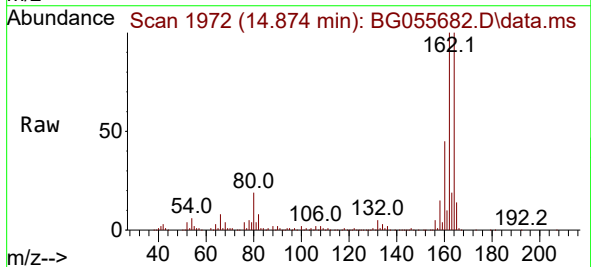
Instrument :
BNA_G
ClientSampleId :
JC-3-111522

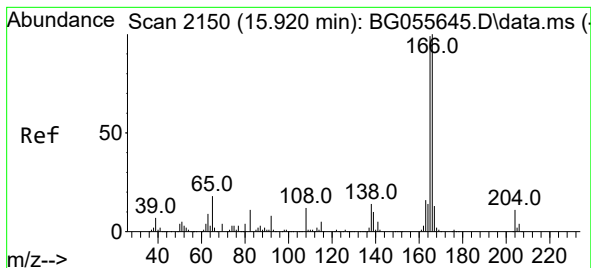
Tgt Ion:172 Resp: 338230
Ion Ratio Lower Upper
172 100
171 35.8 29.8 44.6
170 24.7 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 8.751 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.435 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion:165 Resp: 21207
Ion Ratio Lower Upper
165 100
63 1.4 44.6 66.8#
89 2.0 42.2 63.4#





#58

Fluorene

Concen: 2.089 ng

RT: 15.914 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

JC-3-111522

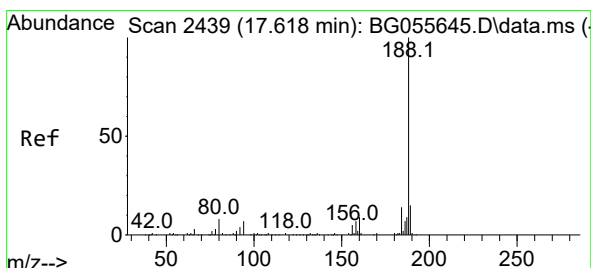
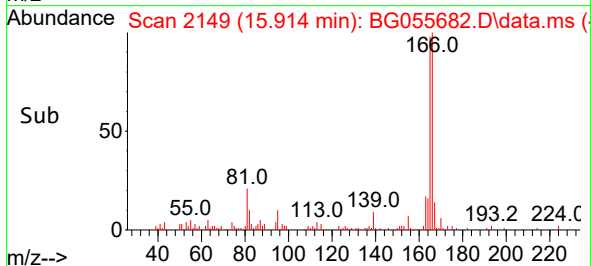
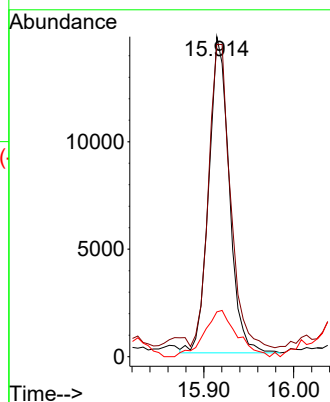
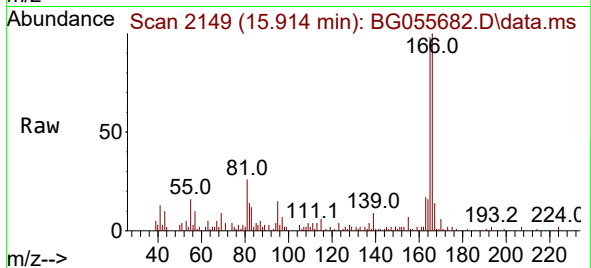
Tgt Ion:166 Resp: 23328

Ion Ratio Lower Upper

166 100

165 97.6 79.3 118.9

167 14.0 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.618 min Scan# 2439

Delta R.T. 0.000 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

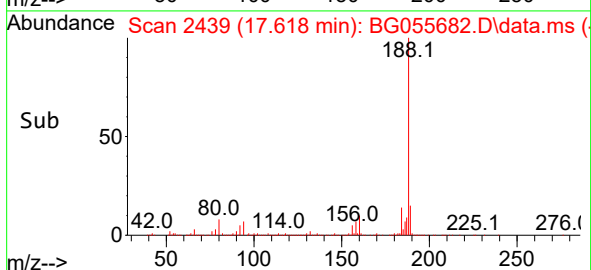
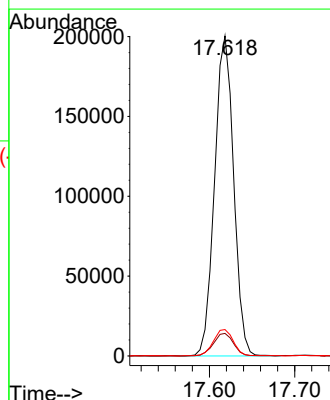
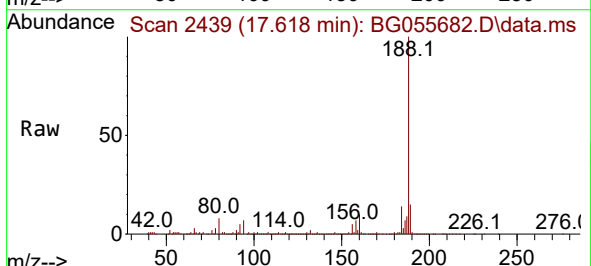
Tgt Ion:188 Resp: 311072

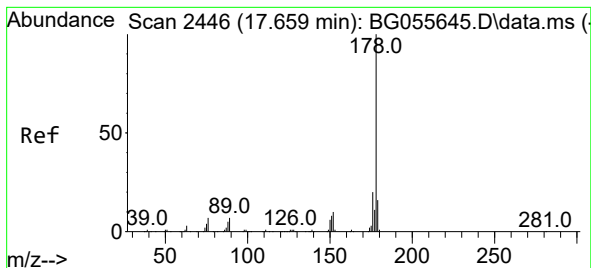
Ion Ratio Lower Upper

188 100

94 7.0 5.4 8.2

80 8.3 6.6 10.0





#71

Phenanthrene

Concen: 13.503 ng

RT: 17.659 min Scan# 2446

Delta R.T. 0.000 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

JC-3-111522

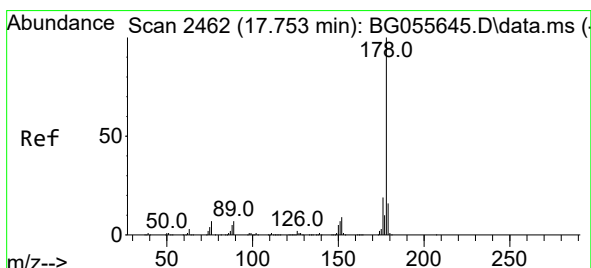
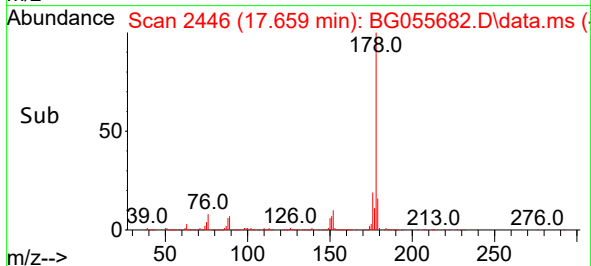
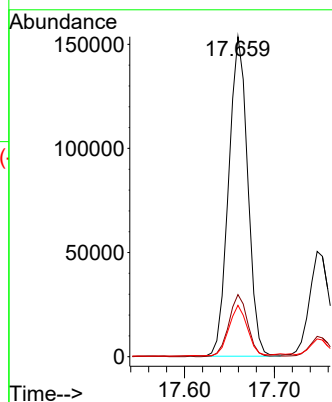
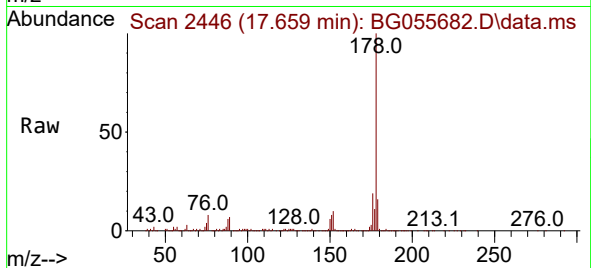
Tgt Ion:178 Resp: 226666

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 16.1 12.7 19.1



#72

Anthracene

Concen: 4.638 ng

RT: 17.748 min Scan# 2461

Delta R.T. -0.006 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

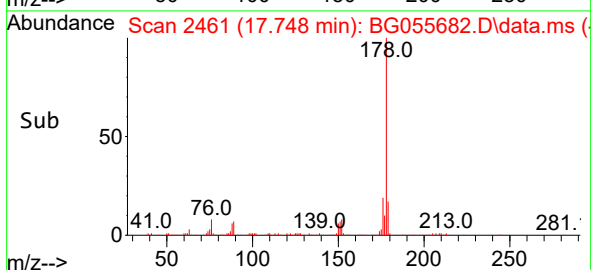
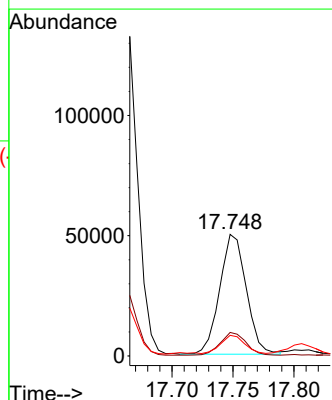
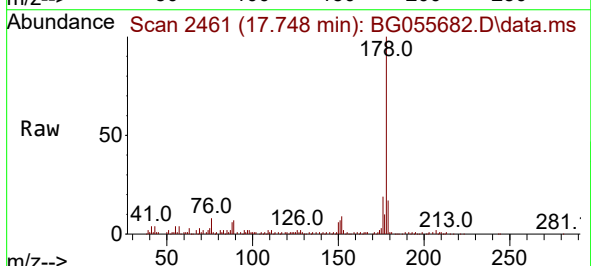
Tgt Ion:178 Resp: 75655

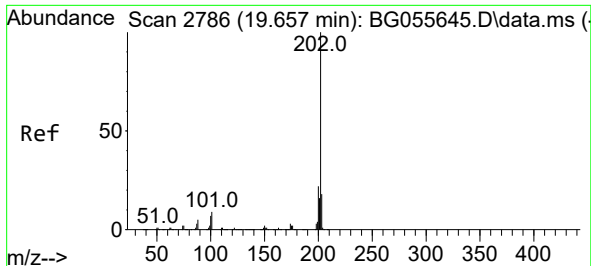
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 16.9 12.5 18.7

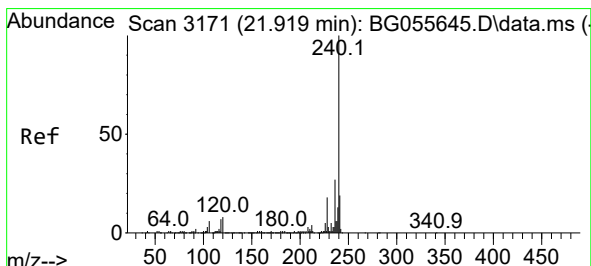
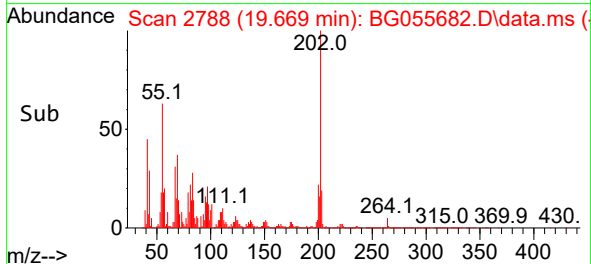
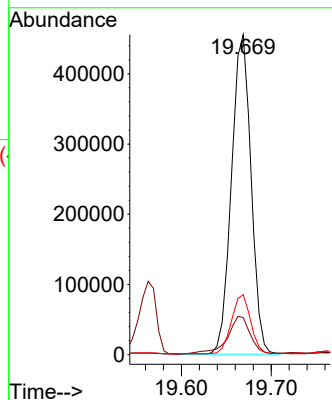
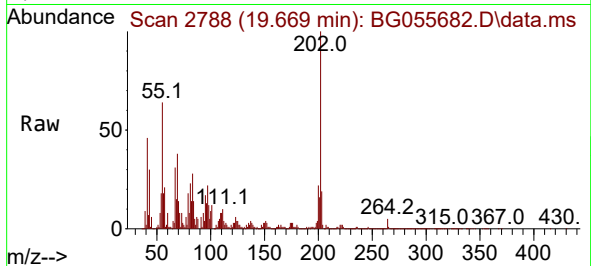




#75
Fluoranthene
Concen: 33.695 ng
RT: 19.669 min Scan# 21
Delta R.T. 0.012 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

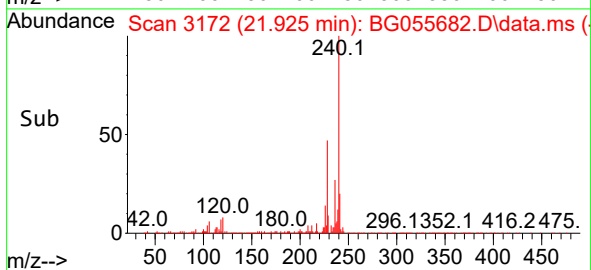
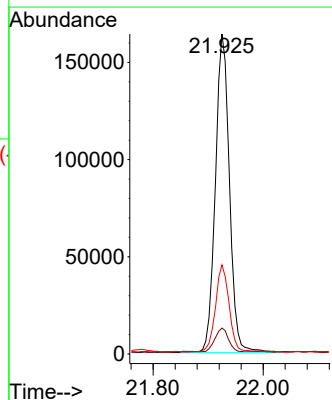
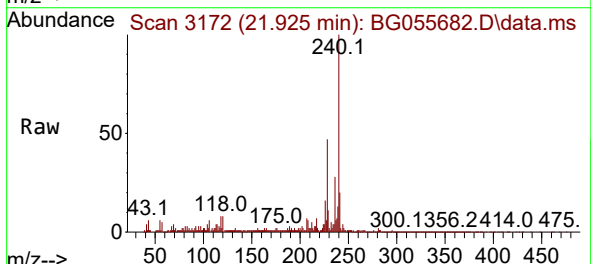
Instrument :
BNA_G
ClientSampleId :
JC-3-111522

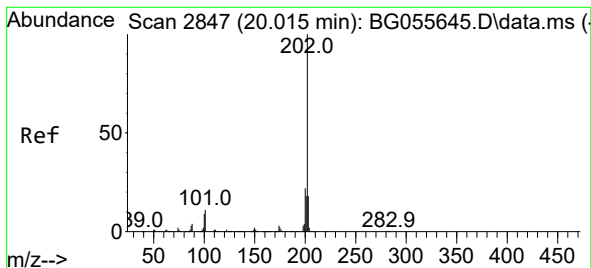
Tgt Ion:202 Resp: 688137
Ion Ratio Lower Upper
202 100
101 11.6 0.0 28.8
203 18.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. 0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion:240 Resp: 292058
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 27.8 21.9 32.9





#78

Pyrene

Concen: 40.162 ng

RT: 20.033 min Scan# 2

Delta R.T. 0.018 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

JC-3-111522

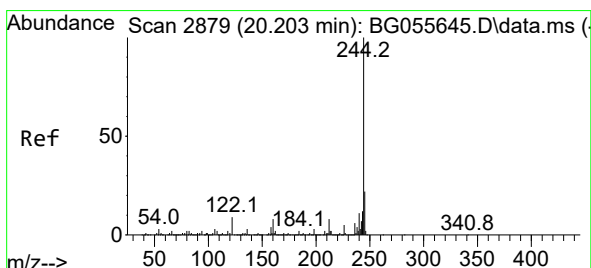
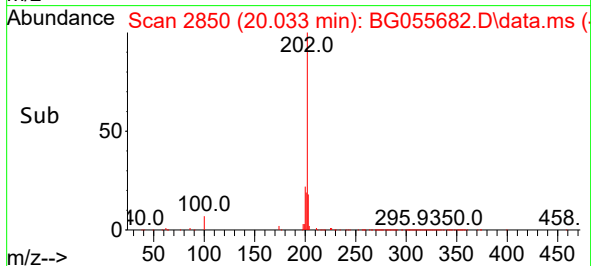
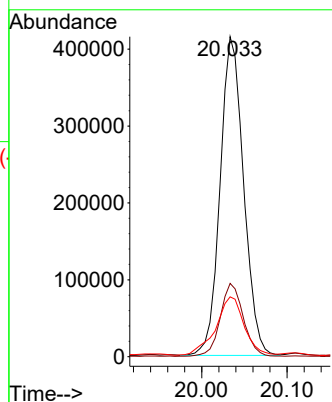
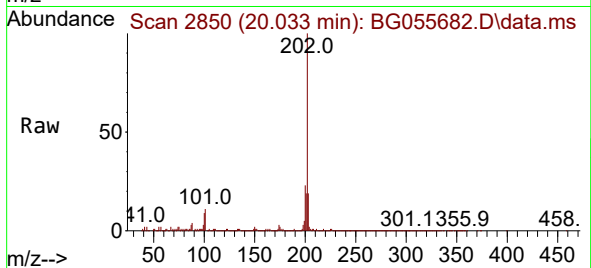
Tgt Ion:202 Resp: 793955

Ion Ratio Lower Upper

202 100

200 22.9 17.8 26.6

203 18.7 14.4 21.6



#79

Terphenyl-d14

Concen: 33.571 ng

RT: 20.215 min Scan# 2881

Delta R.T. 0.012 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

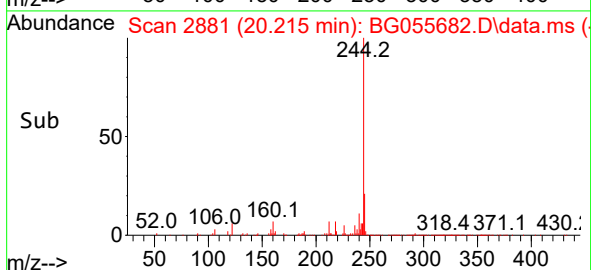
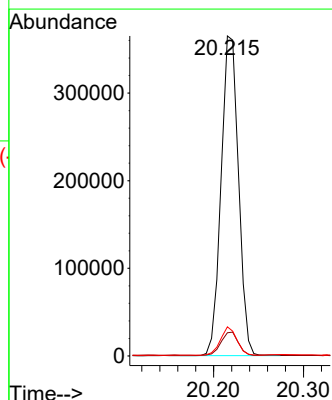
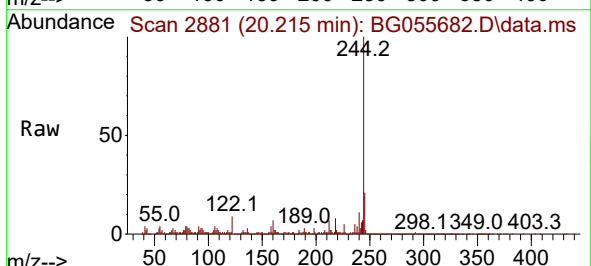
Tgt Ion:244 Resp: 490208

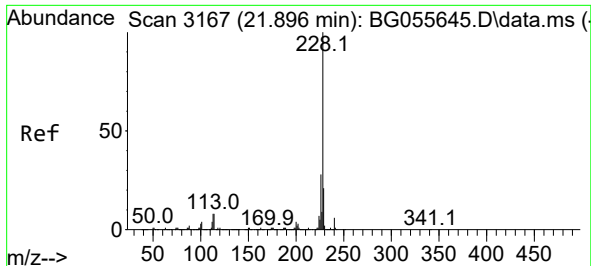
Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

122 9.1 6.9 10.3

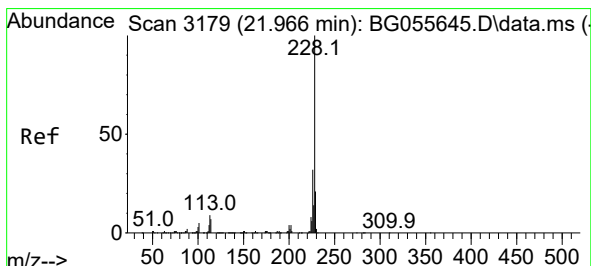
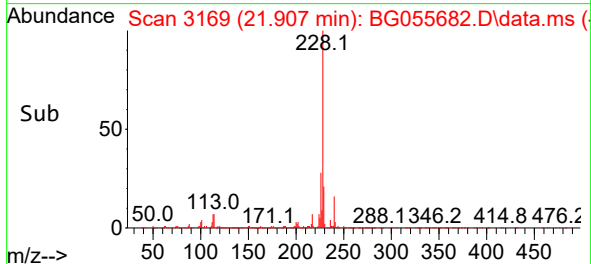
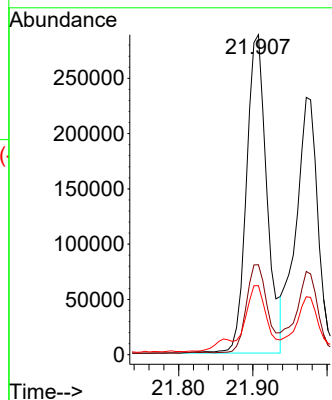
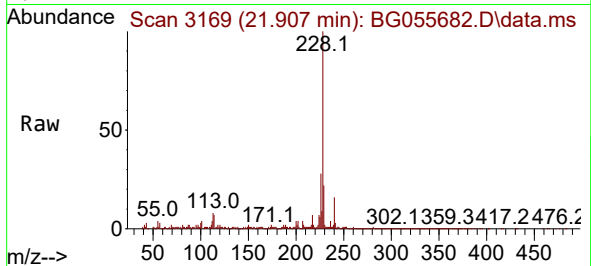




#81
Benzo(a)anthracene
Concen: 27.488 ng
RT: 21.907 min Scan# 31
Delta R.T. 0.012 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

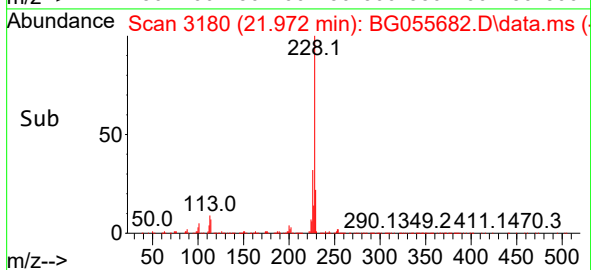
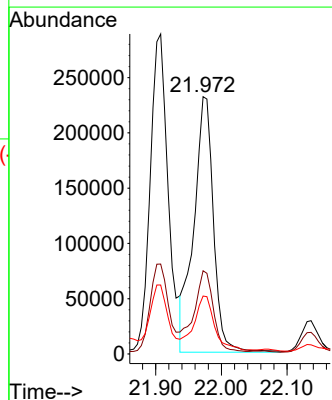
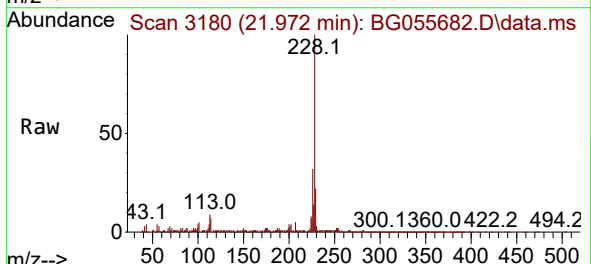
Instrument :
BNA_G
ClientSampleId :
JC-3-111522

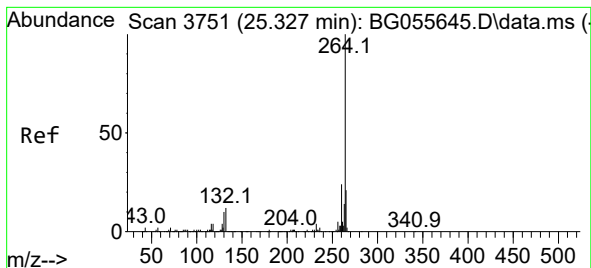
Tgt Ion:228 Resp: 552934
Ion Ratio Lower Upper
228 100
226 28.1 22.7 34.1
229 21.6 16.5 24.7



#83
Chrysene
Concen: 25.299 ng
RT: 21.972 min Scan# 3180
Delta R.T. 0.006 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion:228 Resp: 484470
Ion Ratio Lower Upper
228 100
226 32.3 25.4 38.2
229 22.5 17.1 25.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.350 min Scan# 31

Delta R.T. 0.024 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

JC-3-111522

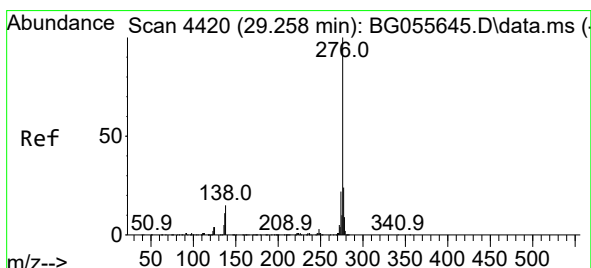
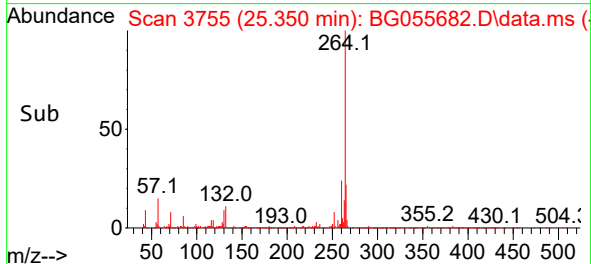
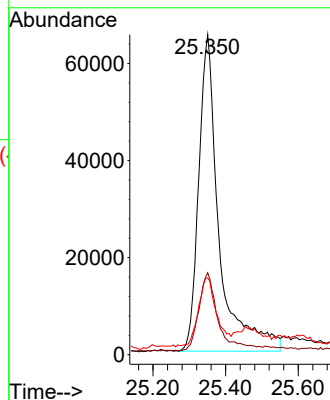
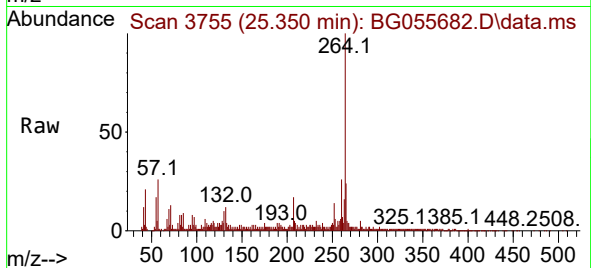
Tgt Ion:264 Resp: 254375

Ion Ratio Lower Upper

264 100

260 25.6 19.5 29.3

265 23.9 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.027 ng

RT: 29.281 min Scan# 4424

Delta R.T. 0.024 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

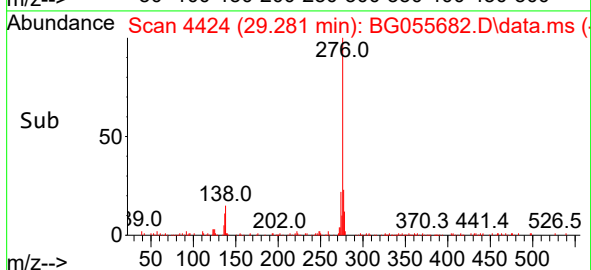
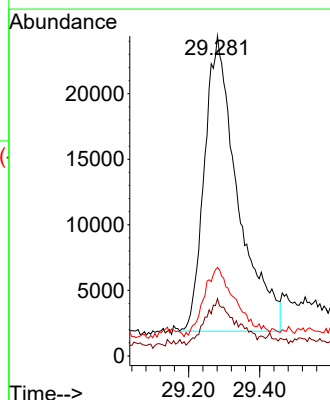
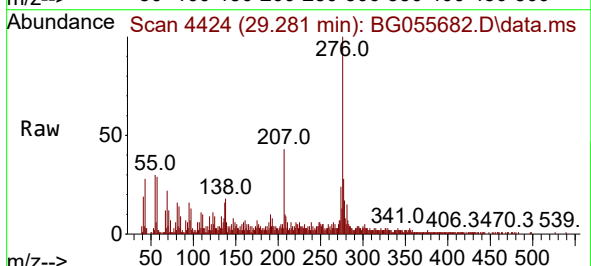
Tgt Ion:276 Resp: 146437

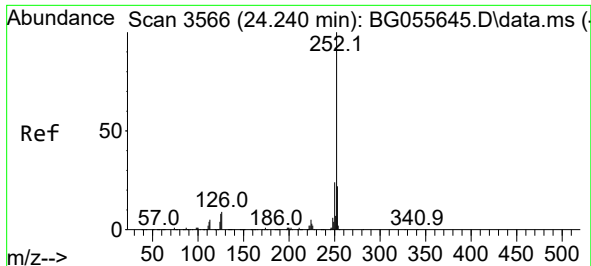
Ion Ratio Lower Upper

276 100

138 14.0 10.4 15.6

277 21.7 20.2 30.4

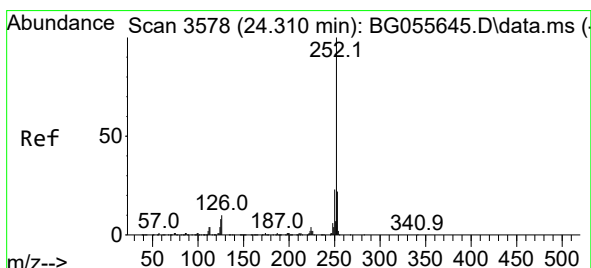
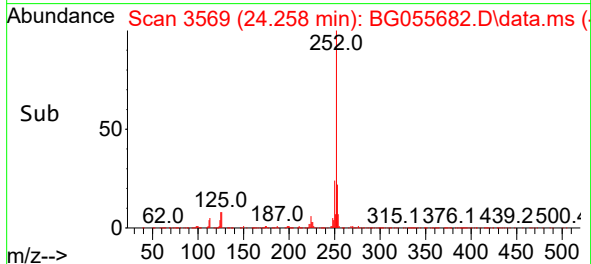
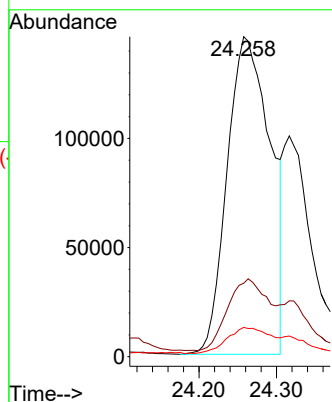
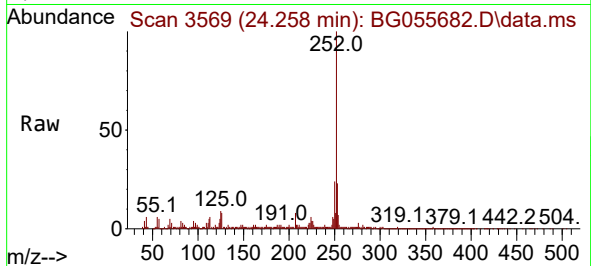




#88
Benzo(b)fluoranthene
Concen: 33.966 ng
RT: 24.258 min Scan# 3569
Delta R.T. 0.018 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

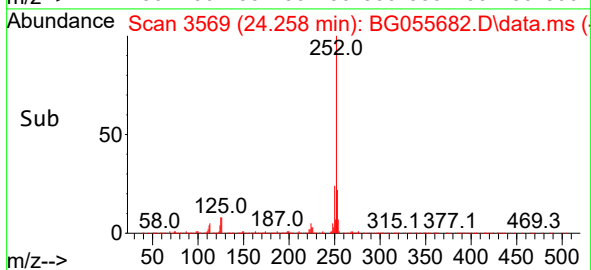
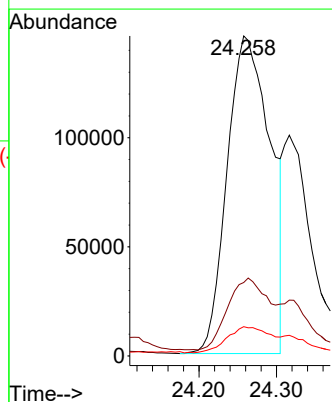
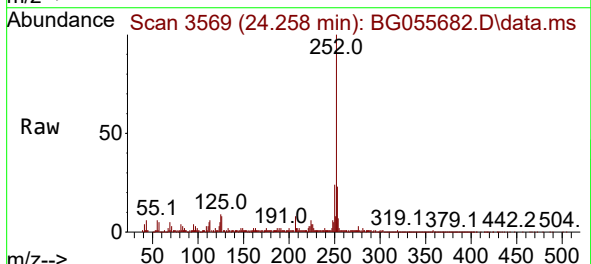
Instrument :
BNA_G
ClientSampleId :
JC-3-111522

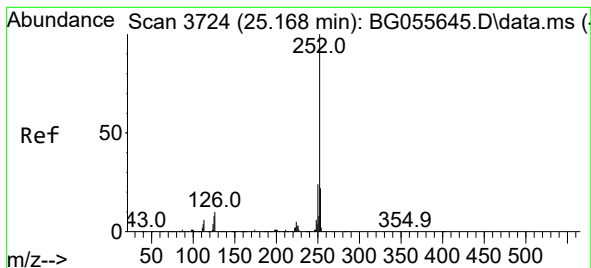
Tgt Ion:252 Resp: 562688
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 9.2 6.2 9.2



#89
Benzo(k)fluoranthene
Concen: 34.075 ng
RT: 24.258 min Scan# 3569
Delta R.T. -0.053 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Tgt Ion:252 Resp: 562688
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 9.2 6.1 9.1#





#90

Benzo(a)pyrene

Concen: 29.245 ng

RT: 25.186 min Scan# 31

Delta R.T. 0.018 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

Instrument :

BNA_G

ClientSampleId :

JC-3-111522

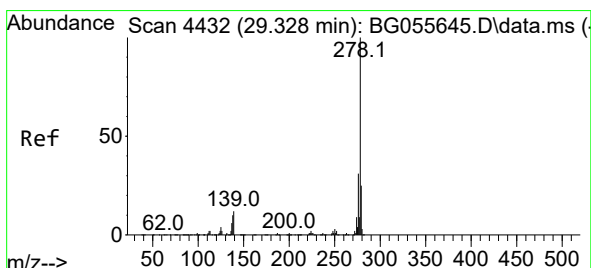
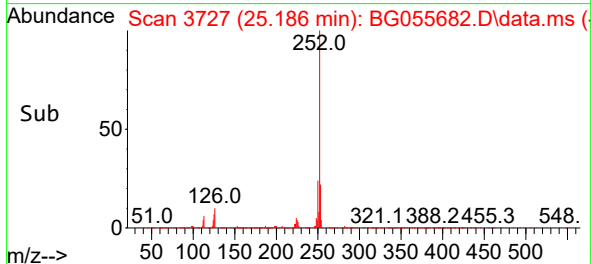
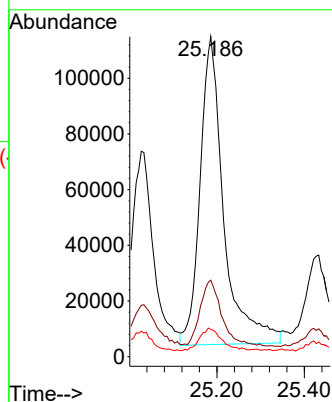
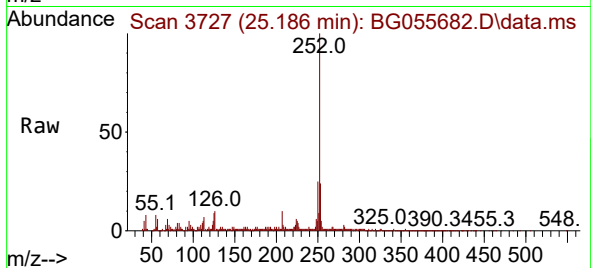
Tgt Ion:252 Resp: 415746

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 8.5 6.4 9.6



#91

Dibenzo(a,h)anthracene

Concen: 2.145 ng

RT: 29.334 min Scan# 4433

Delta R.T. 0.006 min

Lab File: BG055682.D

Acq: 18 Nov 2022 2:10

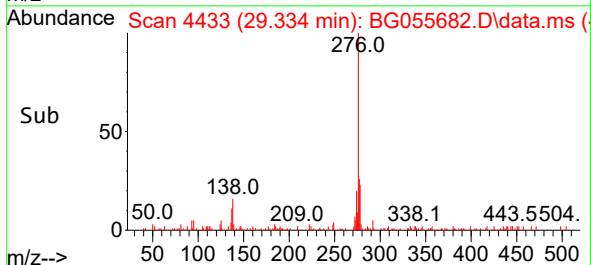
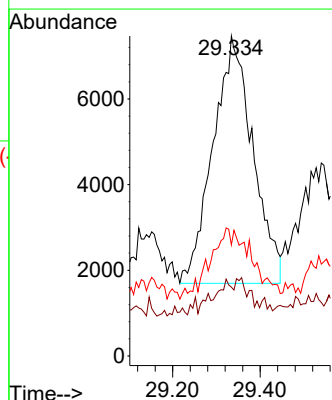
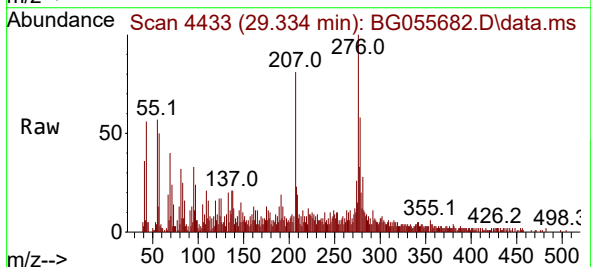
Tgt Ion:278 Resp: 36534

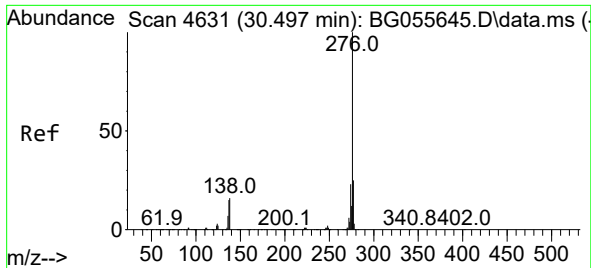
Ion Ratio Lower Upper

278 100

139 21.5 9.8 14.8#

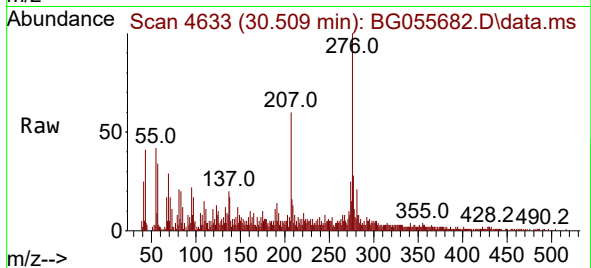
279 34.7 19.8 29.6#





#92
Benzo(g,h,i)perylene
Concen: 6.915 ng
RT: 30.509 min Scan# 4
Delta R.T. 0.012 min
Lab File: BG055682.D
Acq: 18 Nov 2022 2:10

Instrument :
BNA_G
ClientSampleId :
JC-3-111522



Tgt Ion:276 Resp: 118689
Ion Ratio Lower Upper
276 100
277 28.4 19.8 29.6
138 17.5 13.1 19.7

