

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
 Data File : BG061193.D
 Acq On : 14 May 2024 17:16
 Operator : MA/JU
 Sample : P2330-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F-1(5.0-6.0)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024
 Supervised By :mohammad ahmed 05/17/2024

Quant Time: May 14 17:58:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	29237	20.000	ng	-0.03
21) Naphthalene-d8	10.720	136	107162	20.000	ng	-0.04
39) Acenaphthene-d10	14.557	164	81471	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	189846	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	189033	20.000	ng	-0.03
86) Perylene-d12	24.692	264	230282	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	144850	100.758	ng	-0.03
7) Phenol-d6	7.106	99	194408	91.414	ng	-0.03
23) Nitrobenzene-d5	9.086	82	123605	57.179	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	134280	82.458	ng	-0.03
45) 2-Fluorobiphenyl	13.176	172	331311	60.134	ng	-0.03
79) Terphenyl-d14	19.927	244	639996	56.308	ng	-0.03
Target Compounds						Qvalue
58) Fluorene	15.608	166	13713	2.341	ng	91
71) Phenanthrene	17.347	178	217421	25.047	ng	98
72) Anthracene	17.435	178	60662	7.003	ng	99
75) Fluoranthene	19.363	202	471652	39.661	ng	99
78) Pyrene	19.721	202	407893	33.940	ng	97
81) Benzo(a)anthracene	21.542	228	225032	18.192	ng	97
83) Chrysene	21.607	228	208373	17.980	ng	96
87) Indeno(1,2,3-cd)pyrene	28.235	276	113165m	7.415	ng	
88) Benzo(b)fluoranthene	23.705	252	230539	17.915	ng	# 97
89) Benzo(k)fluoranthene	23.752	252	90903m	7.343	ng	
90) Benzo(a)pyrene	24.539	252	181308	16.172	ng	100
91) Dibenzo(a,h)anthracene	28.264	278	26766	2.118	ng	# 76
92) Benzo(g,h,i)perylene	29.333	276	106038	8.443	ng	# 93

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

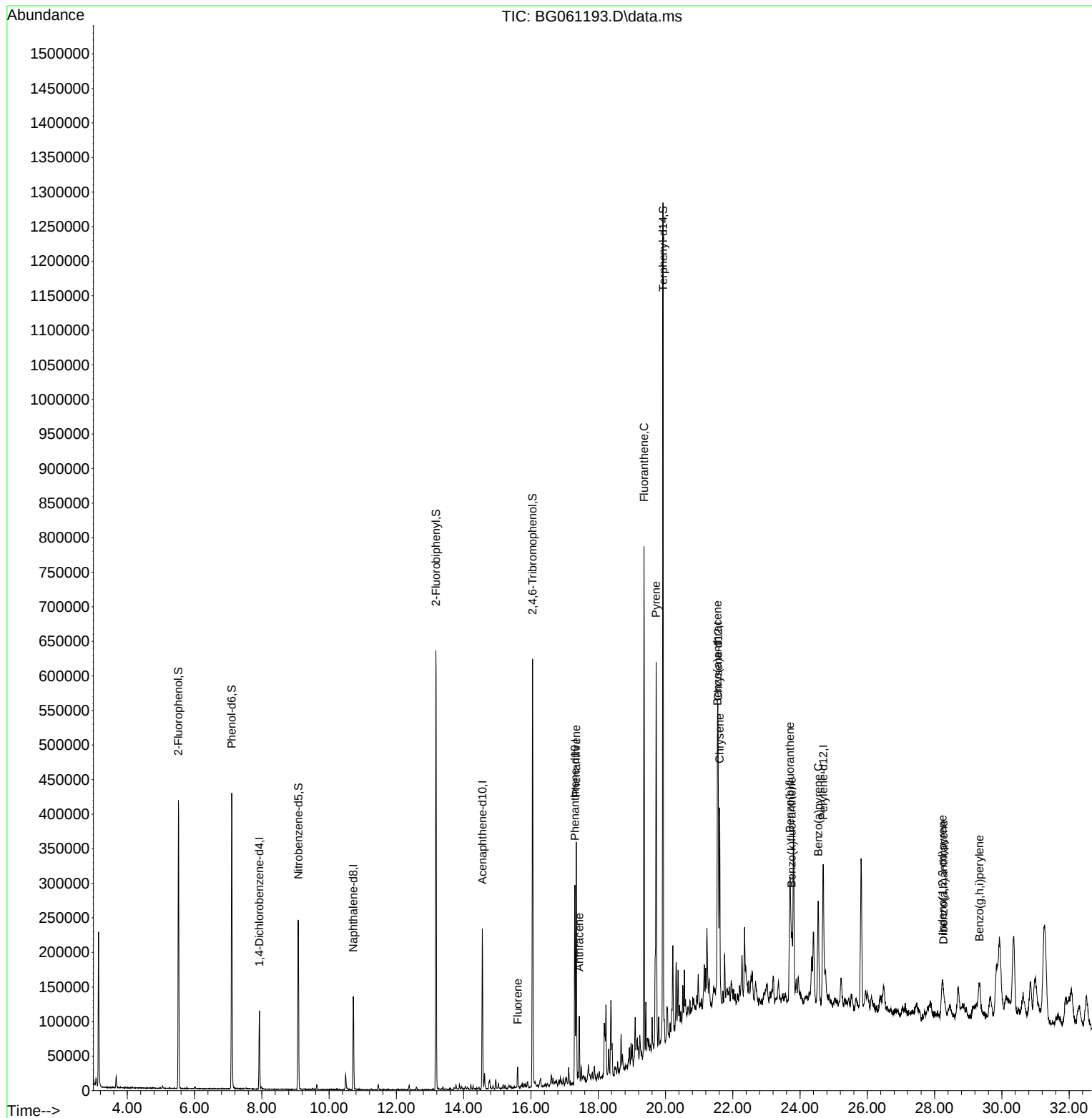
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061193.D
Acq On : 14 May 2024 17:16
Operator : MA/JU
Sample : P2330-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

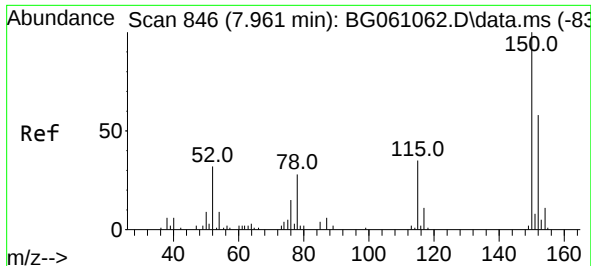
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)

Quant Time: May 14 17:58:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

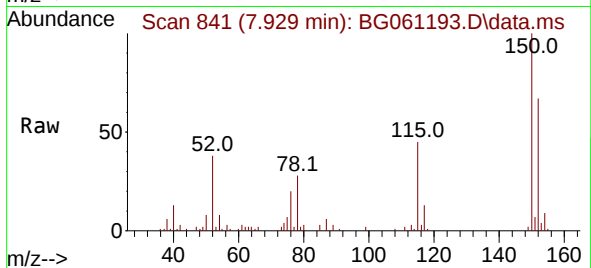
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 841
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

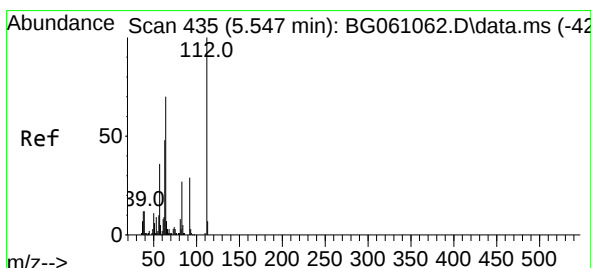
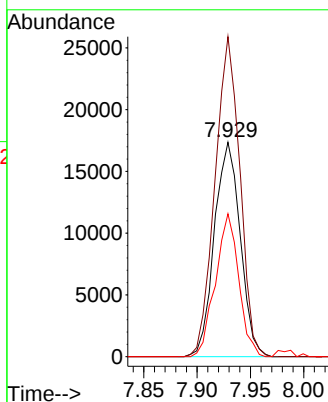
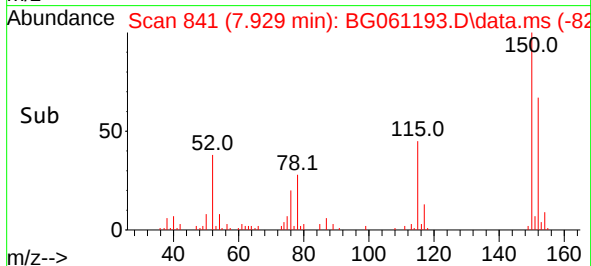
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)



Tgt Ion:152 Resp: 2923
Ion Ratio Lower Upper
152 100
150 149.3 138.3 207.5
115 66.7 48.0 72.0

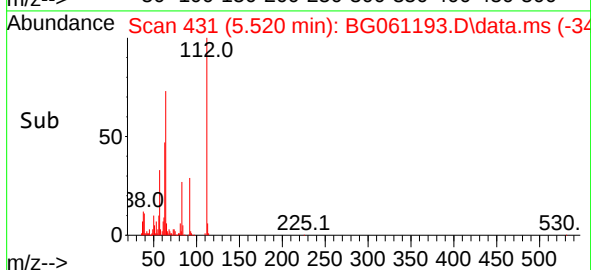
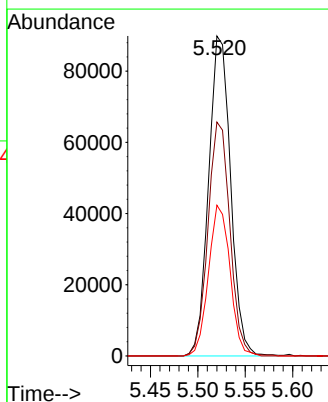
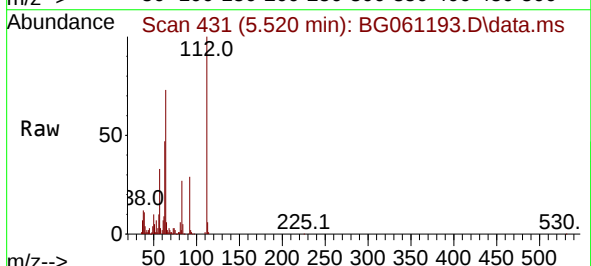
Manual Integrations
APPROVED

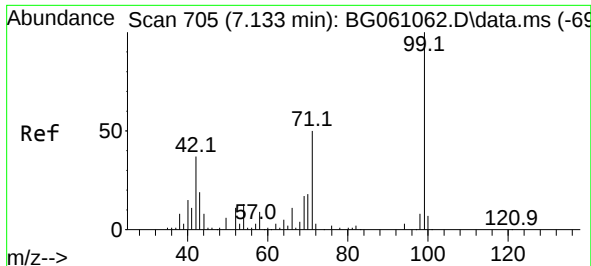
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#5
2-Fluorophenol
Concen: 100.758 ng
RT: 5.520 min Scan# 431
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

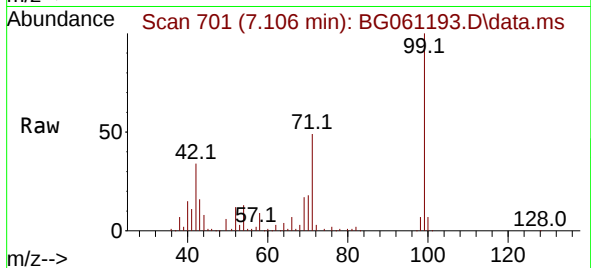
Tgt Ion:112 Resp: 144850
Ion Ratio Lower Upper
112 100
64 73.1 55.7 83.5
63 47.1 38.1 57.1





#7
Phenol-d6
Concen: 91.414 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

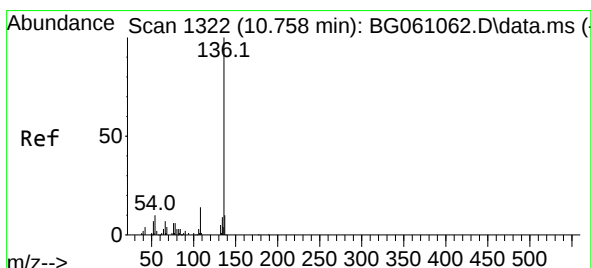
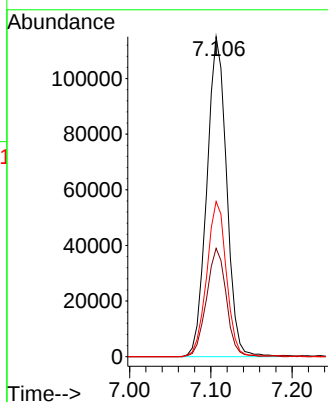
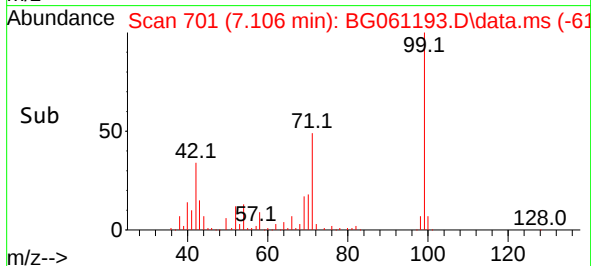
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)



Tgt Ion: 99 Resp: 194408
Ion Ratio Lower Upper
99 100
42 33.9 29.2 43.8
71 48.5 39.7 59.5

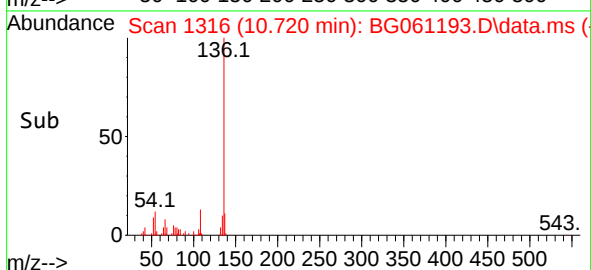
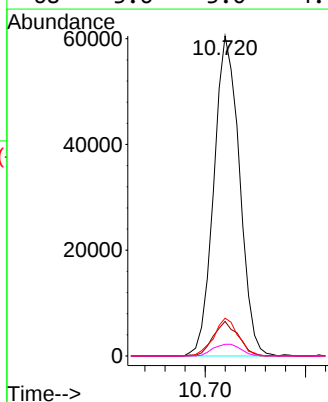
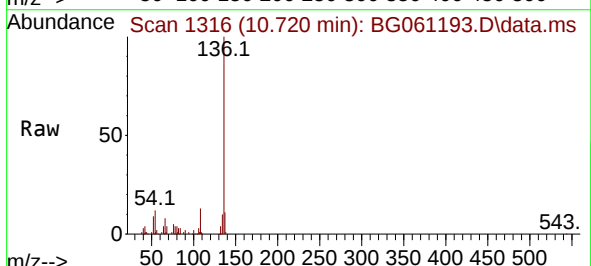
Manual Integrations
APPROVED

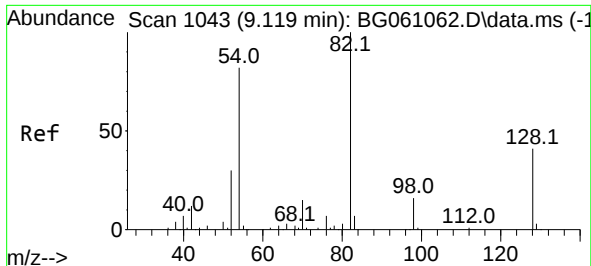
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.720 min Scan# 1316
Delta R.T. -0.038 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:136 Resp: 107162
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 11.8 8.1 12.1
68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 57.179 ng

RT: 9.086 min Scan# 1038

Delta R.T. -0.032 min

Lab File: BG061193.D

Acq: 14 May 2024 17:16

Instrument :

BNA_G

ClientSampleId :

F-1(5.0-6.0)

Tgt Ion: 82 Resp: 12360

Ion Ratio Lower Upper

82 100

128 38.6 32.7 49.1

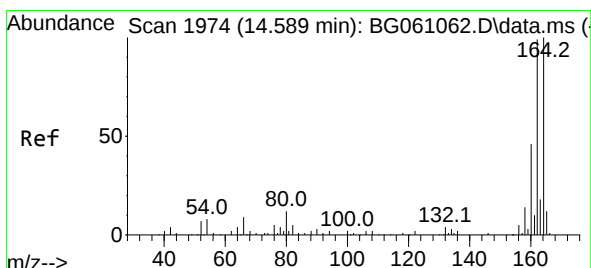
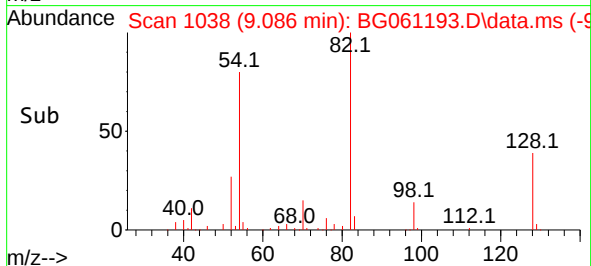
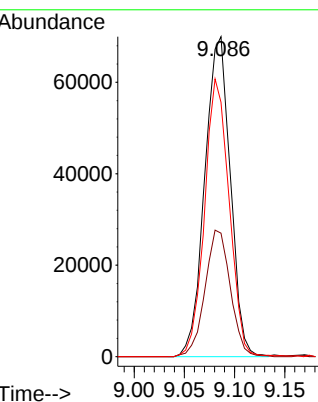
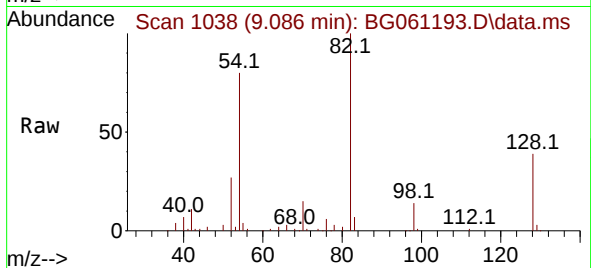
54 79.5 65.6 98.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024

Supervised By :mohammad ahmed 05/17/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061193.D

Acq: 14 May 2024 17:16

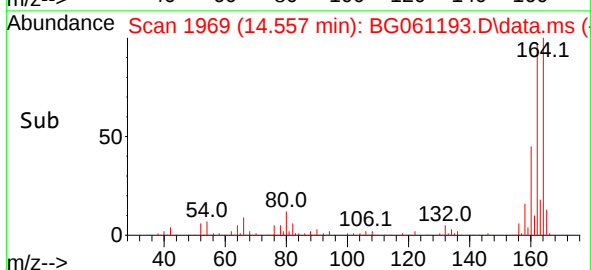
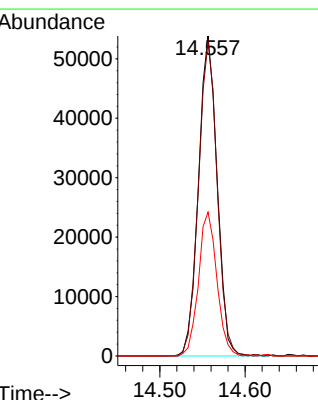
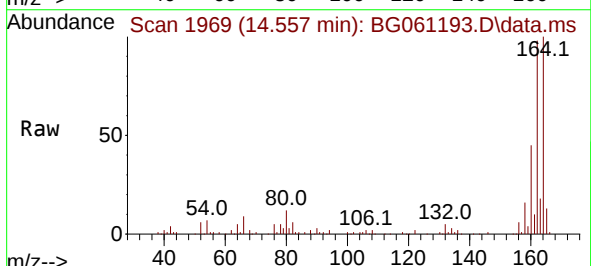
Tgt Ion:164 Resp: 81471

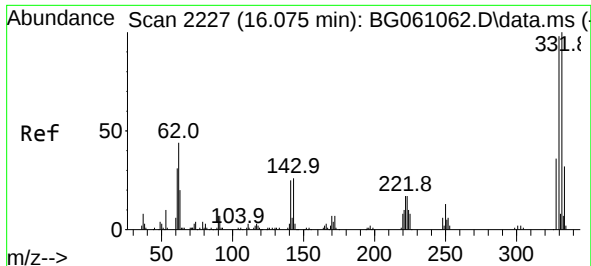
Ion Ratio Lower Upper

164 100

162 98.1 79.4 119.2

160 45.0 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 82.458 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Instrument :

BNA_G

ClientSampleId :

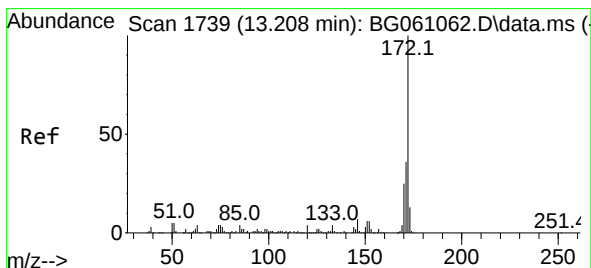
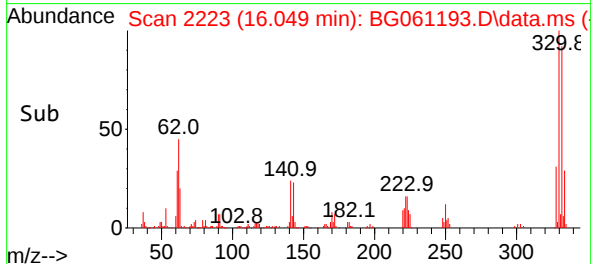
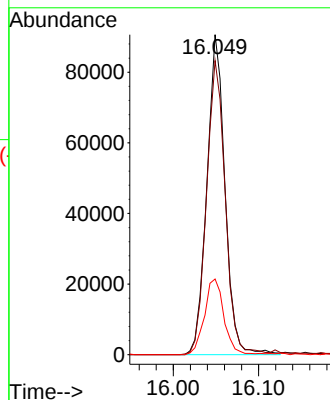
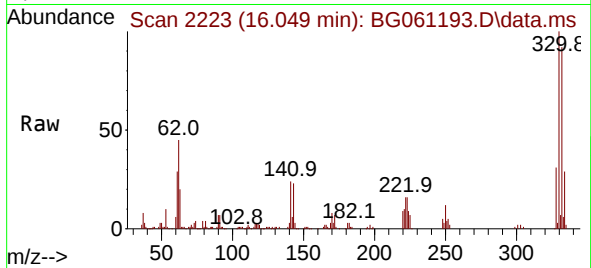
F-1(5.0-6.0)

Tgt Ion:330 Resp: 134280
Ion Ratio Lower Upper
330 100
332 94.6 78.6 117.8
141 25.3 20.5 30.7

Manual Integrations

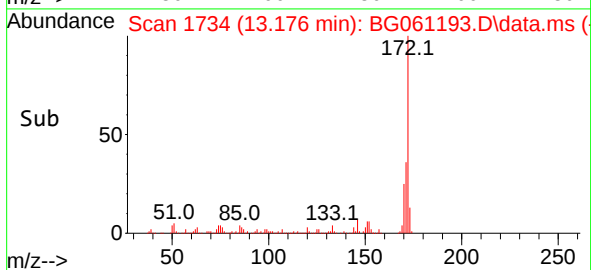
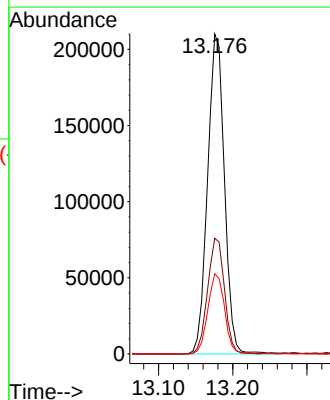
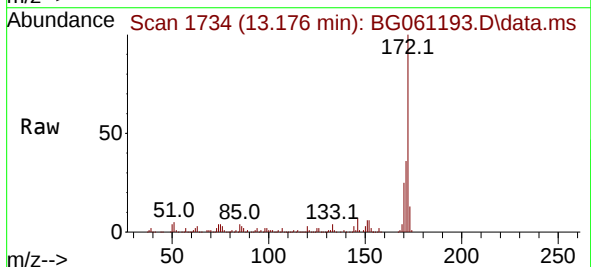
APPROVED

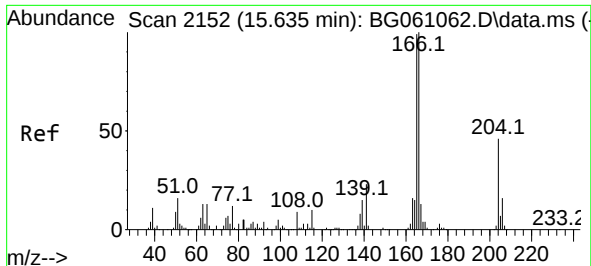
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#45
2-Fluorobiphenyl
Concen: 60.134 ng
RT: 13.176 min Scan# 1734
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

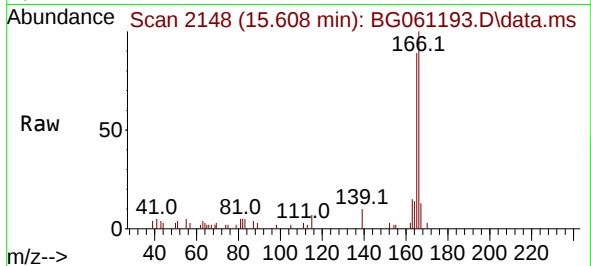
Tgt Ion:172 Resp: 331311
Ion Ratio Lower Upper
172 100
171 36.1 29.0 43.6
170 25.0 20.2 30.4





#58
Fluorene
Concen: 2.341 ng
RT: 15.608 min Scan# 2152
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

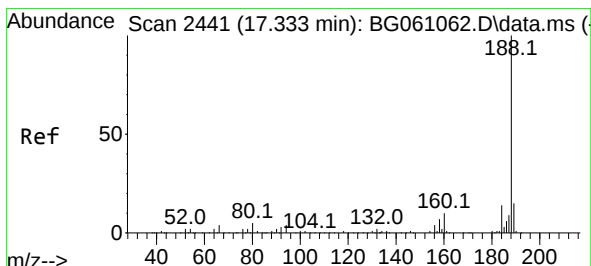
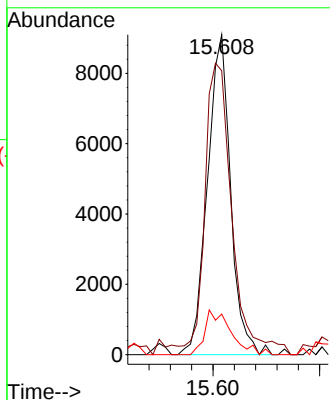
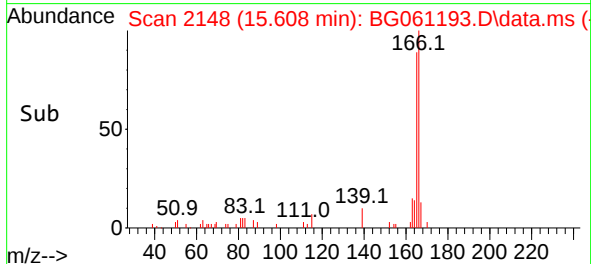
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)



Tgt Ion:166 Resp: 1371
Ion Ratio Lower Upper
166 100
165 88.7 78.9 118.3
167 12.7 10.6 15.8

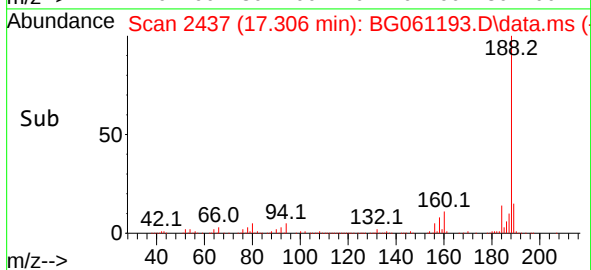
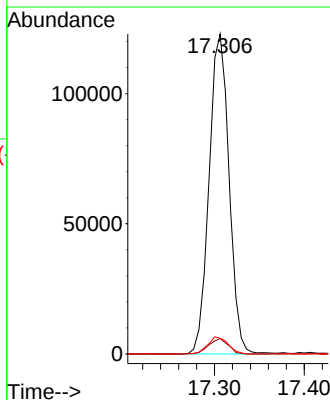
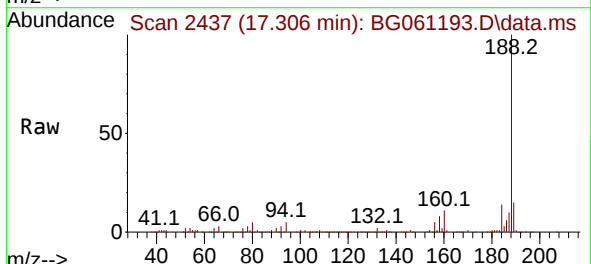
Manual Integrations
APPROVED

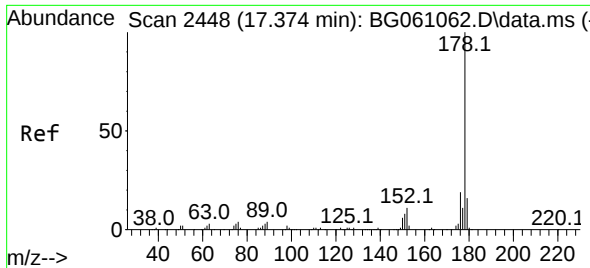
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2437
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

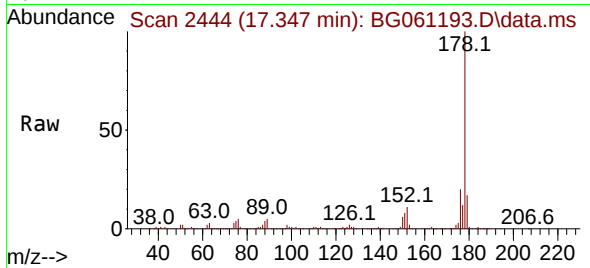
Tgt Ion:188 Resp: 189846
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 4.9 4.2 6.2





#71
Phenanthrene
Concen: 25.047 ng
RT: 17.347 min Scan# 2444
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

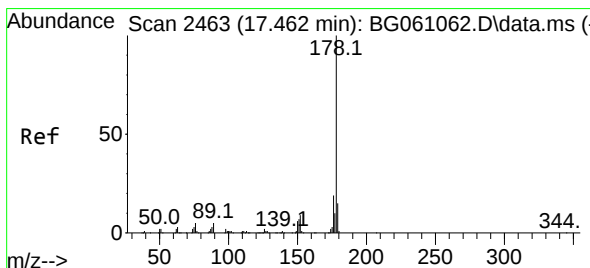
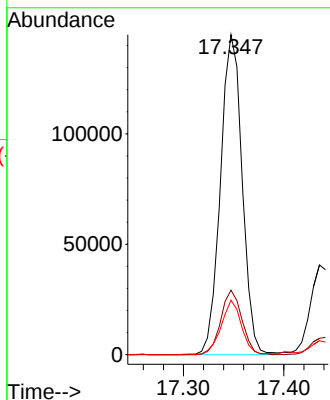
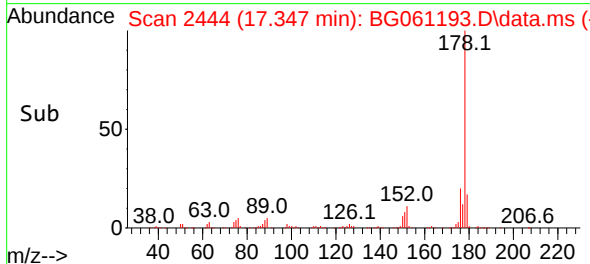
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)



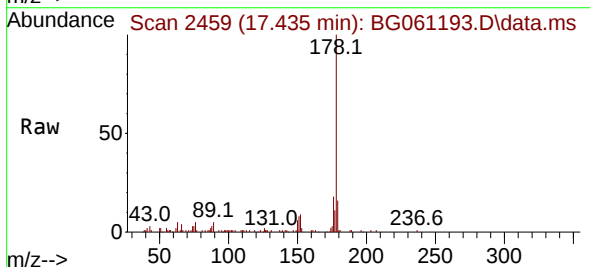
Tgt Ion:178 Resp: 21742
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 17.0 12.6 19.0

Manual Integrations
APPROVED

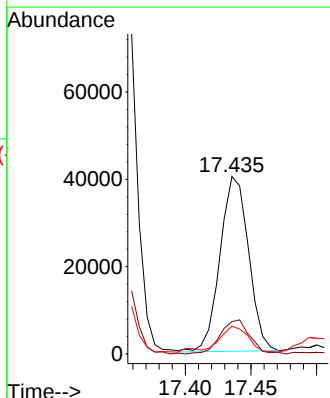
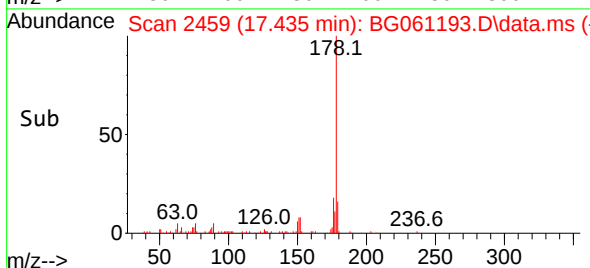
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024

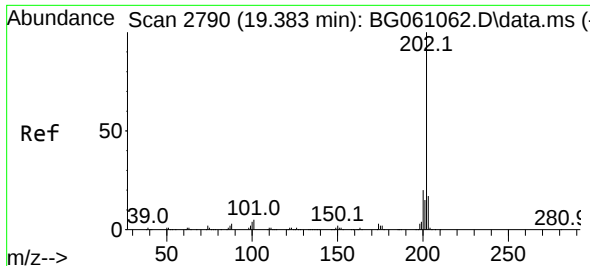


#72
Anthracene
Concen: 7.003 ng
RT: 17.435 min Scan# 2459
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16



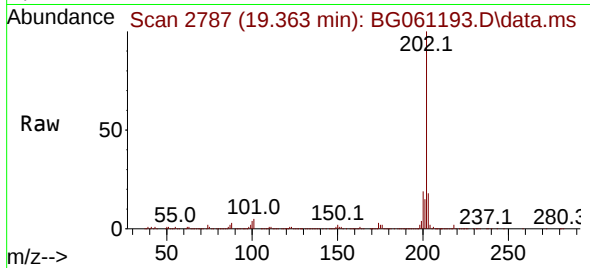
Tgt Ion:178 Resp: 60662
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.6
179 15.6 12.0 18.0





#75
Fluoranthene
Concen: 39.661 ng
RT: 19.363 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

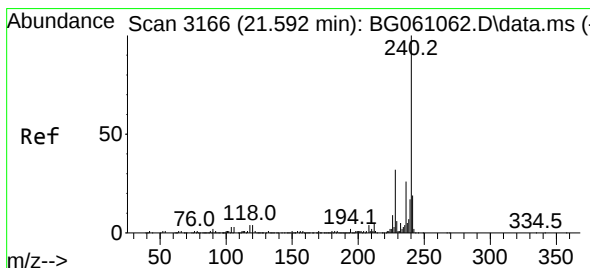
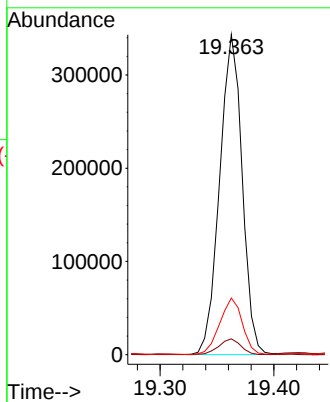
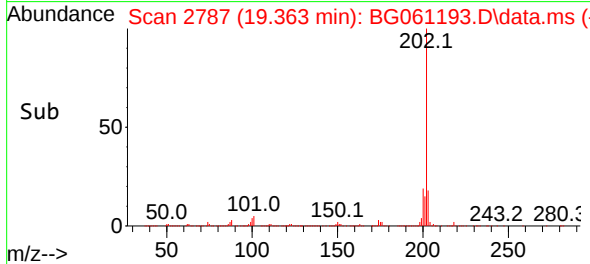
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)



Tgt Ion:202 Resp: 471652
Ion Ratio Lower Upper
202 100
101 5.0 0.0 24.7
203 17.7 0.0 37.1

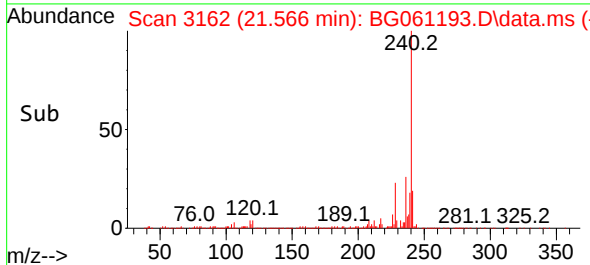
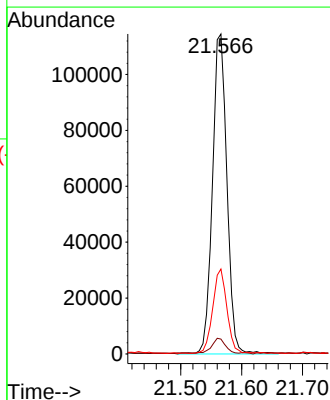
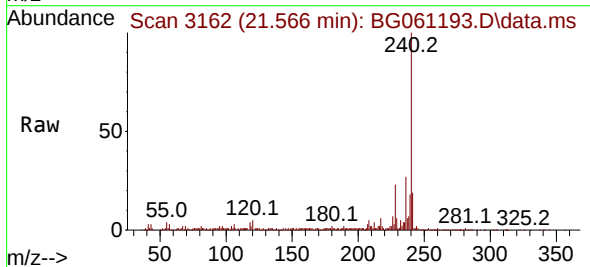
Manual Integrations
APPROVED

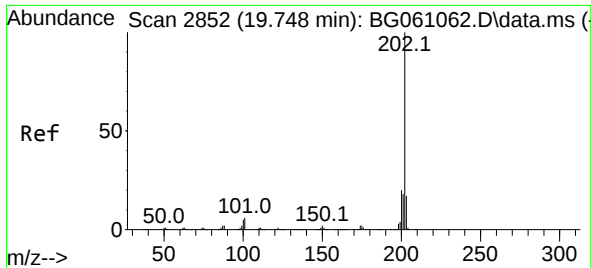
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

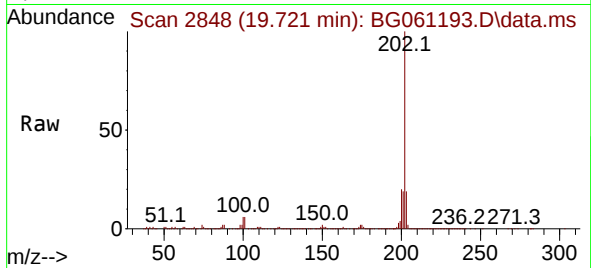
Tgt Ion:240 Resp: 189033
Ion Ratio Lower Upper
240 100
120 4.6 3.2 4.8
236 26.5 21.0 31.6





#78
Pyrene
Concen: 33.940 ng
RT: 19.721 min Scan# 2848
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

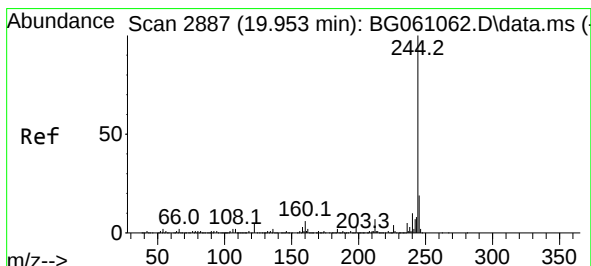
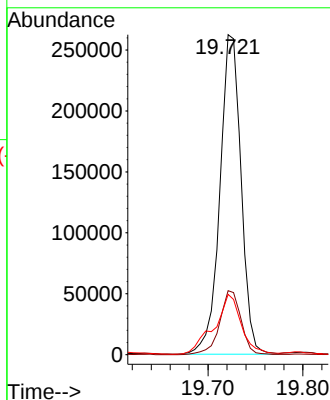
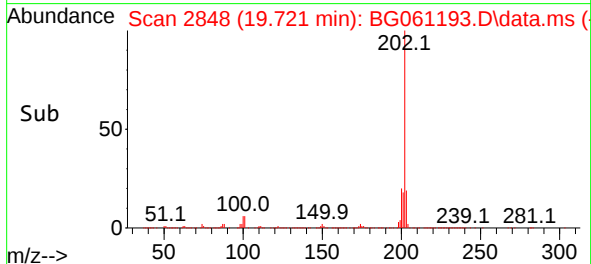
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)



Tgt Ion:202 Resp: 40789
Ion Ratio Lower Upper
202 100
200 20.0 16.2 24.4
203 18.8 13.3 19.9

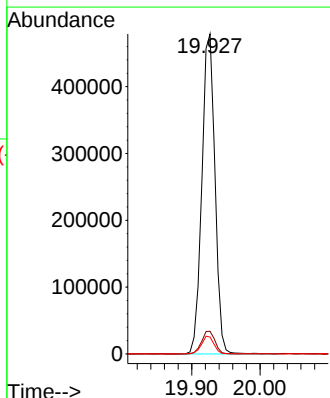
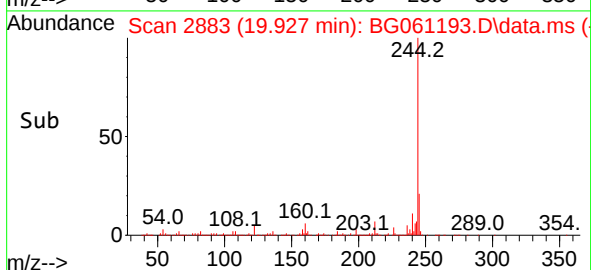
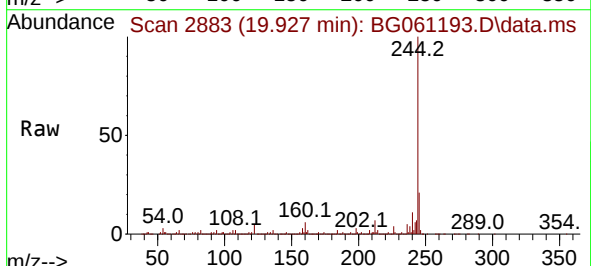
Manual Integrations
APPROVED

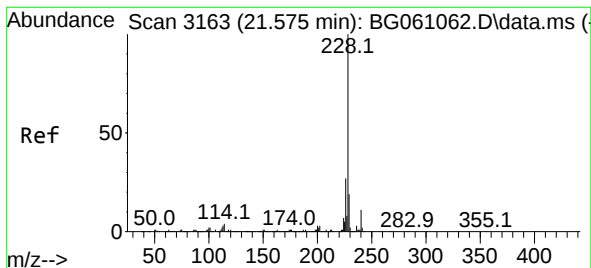
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#79
Terphenyl-d14
Concen: 56.308 ng
RT: 19.927 min Scan# 2883
Delta R.T. -0.027 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

Tgt Ion:244 Resp: 639996
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 5.3 4.2 6.2





#81

Benzo(a)anthracene

Concen: 18.192 ng

RT: 21.542 min Scan# 3158

Delta R.T. -0.032 min

Lab File: BG061193.D

Acq: 14 May 2024 17:16

Instrument :

BNA_G

ClientSampleId :

F-1(5.0-6.0)

Tgt Ion:228 Resp: 22503

Ion Ratio Lower Upper

228 100

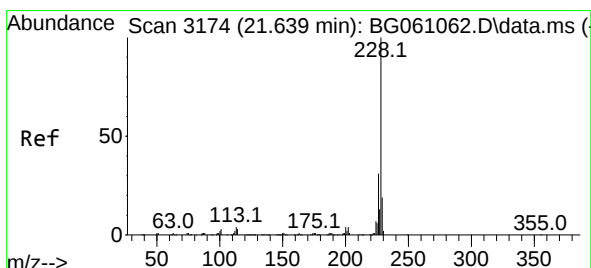
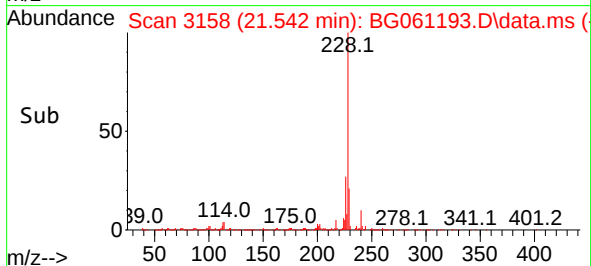
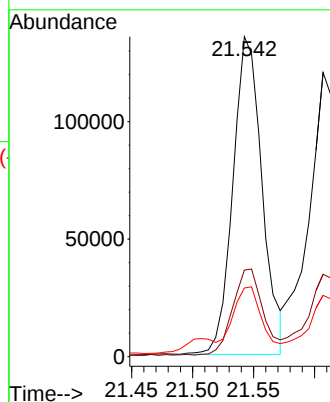
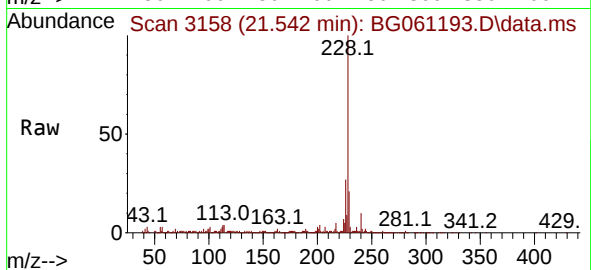
226 27.1 21.6 32.4

229 21.5 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#83

Chrysene

Concen: 17.980 ng

RT: 21.607 min Scan# 3169

Delta R.T. -0.032 min

Lab File: BG061193.D

Acq: 14 May 2024 17:16

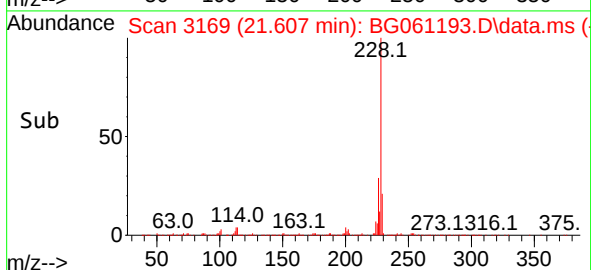
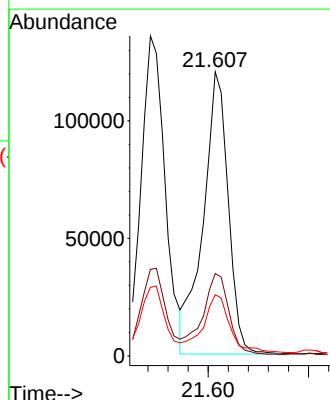
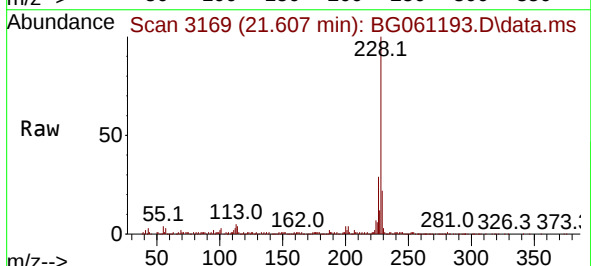
Tgt Ion:228 Resp: 208373

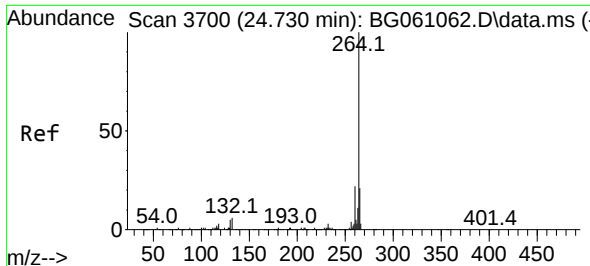
Ion Ratio Lower Upper

228 100

226 29.0 24.4 36.6

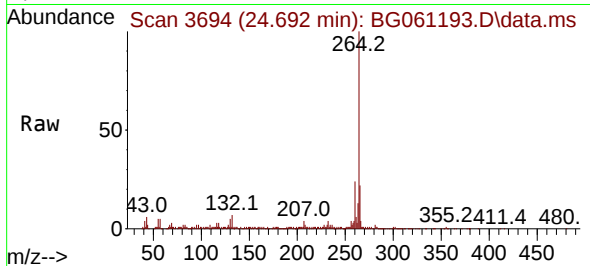
229 21.6 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.692 min Scan# 30
Delta R.T. -0.038 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

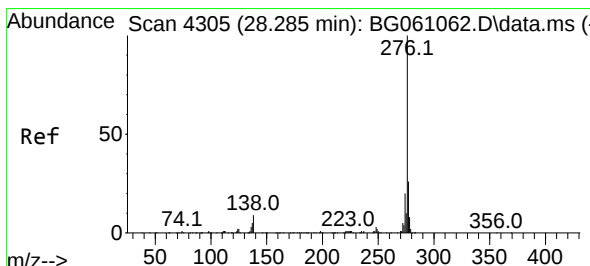
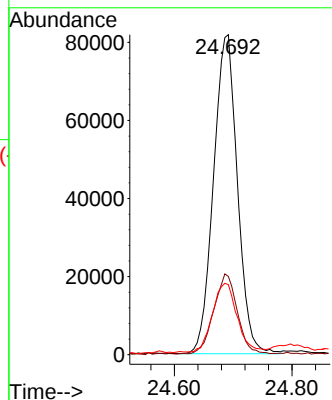
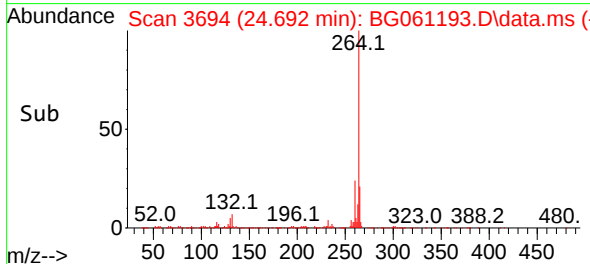
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)



Tgt Ion:264 Resp: 23028
Ion Ratio Lower Upper
264 100
260 24.4 17.7 26.5
265 21.9 16.4 24.6

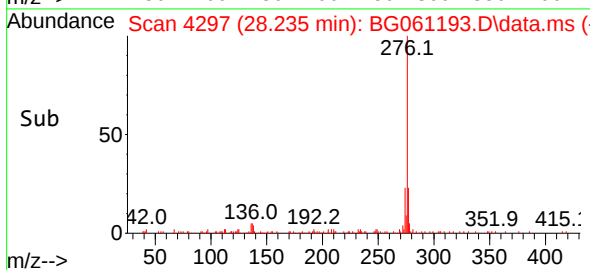
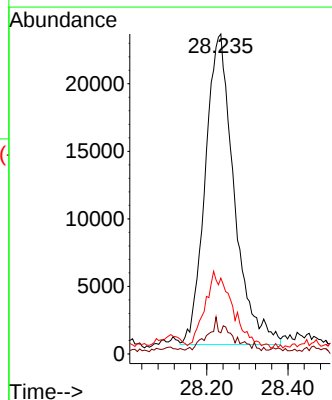
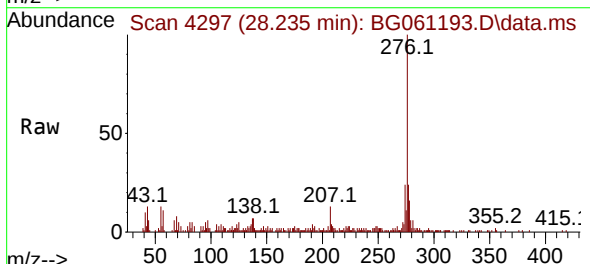
Manual Integrations
APPROVED

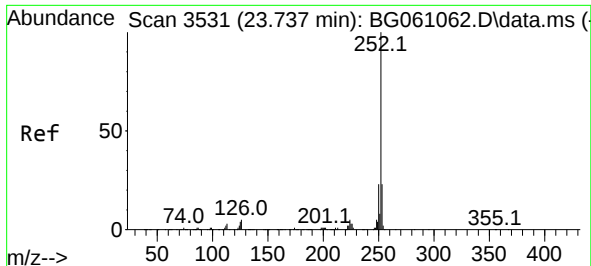
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.415 ng m
RT: 28.235 min Scan# 4297
Delta R.T. -0.050 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

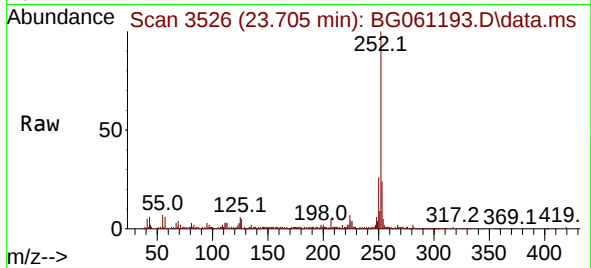
Tgt Ion:276 Resp: 113165
Ion Ratio Lower Upper
276 100
138 4.2 5.1 7.7#
277 24.3 20.6 30.8





#88
Benzo(b)fluoranthene
Concen: 17.915 ng
RT: 23.705 min Scan# 3526
Delta R.T. -0.032 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16

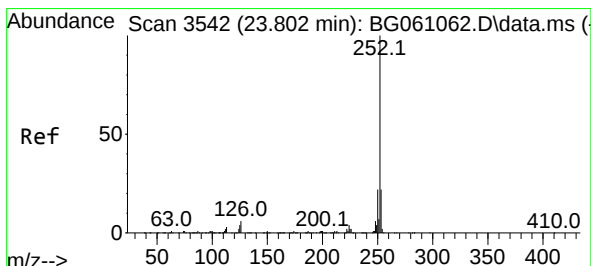
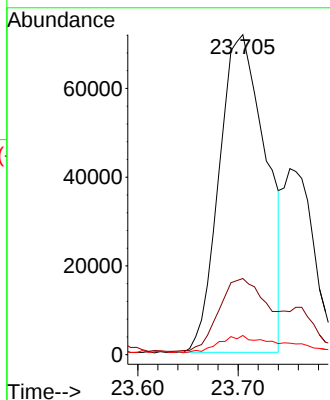
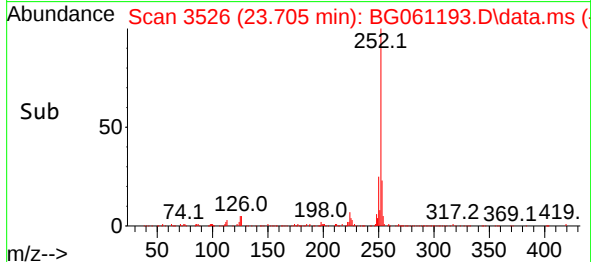
Instrument :
BNA_G
ClientSampleId :
F-1(5.0-6.0)



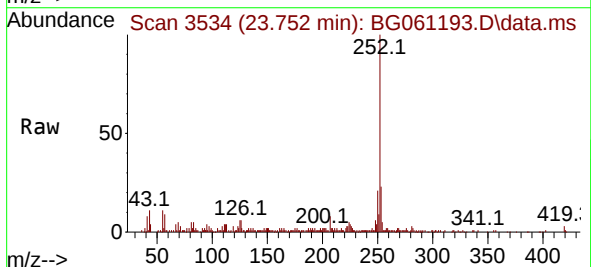
Tgt Ion:252 Resp: 230539
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 6.0 3.4 5.0

Manual Integrations
APPROVED

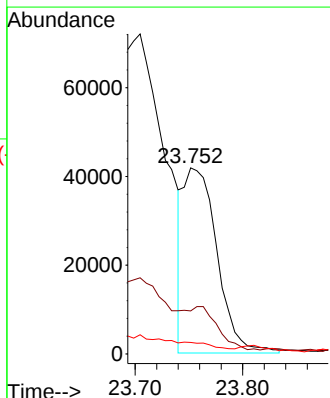
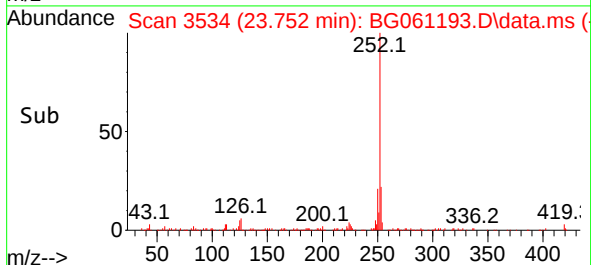
Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024

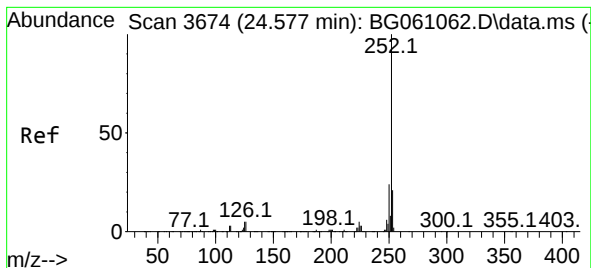


#89
Benzo(k)fluoranthene
Concen: 7.343 ng m
RT: 23.752 min Scan# 3534
Delta R.T. -0.050 min
Lab File: BG061193.D
Acq: 14 May 2024 17:16



Tgt Ion:252 Resp: 90903
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 6.2 3.2 4.8





#90

Benzo(a)pyrene

Concen: 16.172 ng

RT: 24.539 min Scan# 30

Delta R.T. -0.038 min

Lab File: BG061193.D

Acq: 14 May 2024 17:16

Instrument :

BNA_G

ClientSampleId :

F-1(5.0-6.0)

Tgt Ion:252 Resp: 181308

Ion Ratio Lower Upper

252 100

253 21.1 16.9 25.3

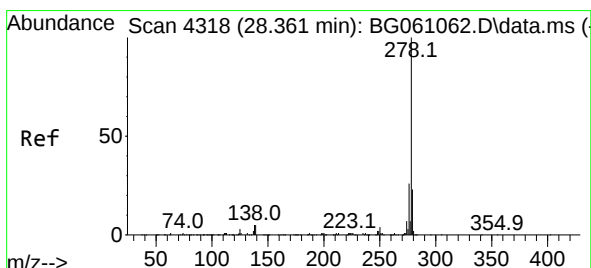
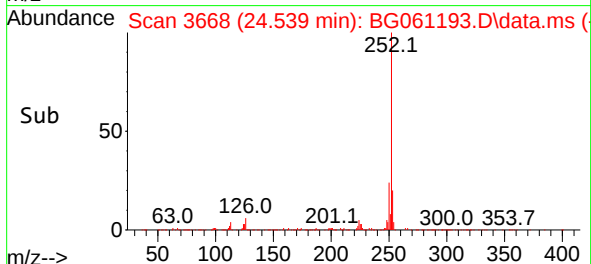
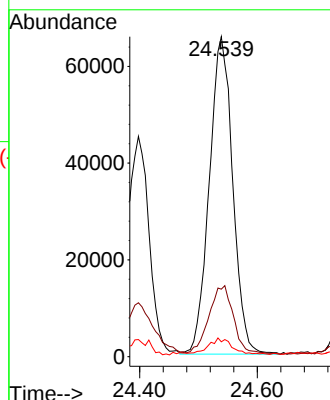
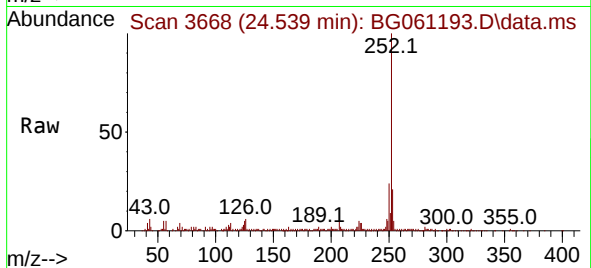
125 4.7 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024

Supervised By :mohammad ahmed 05/17/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.118 ng

RT: 28.264 min Scan# 4302

Delta R.T. -0.097 min

Lab File: BG061193.D

Acq: 14 May 2024 17:16

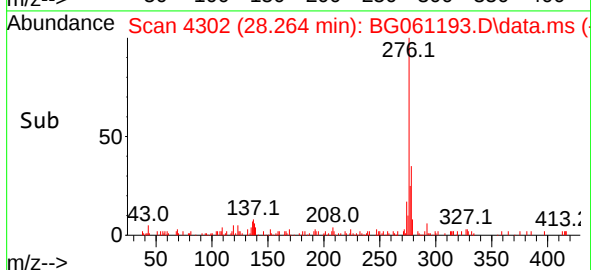
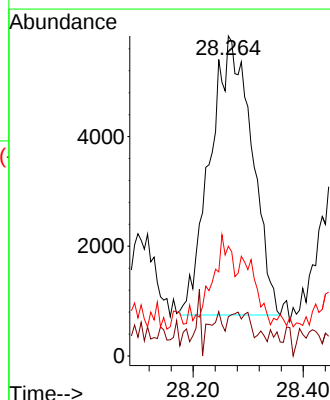
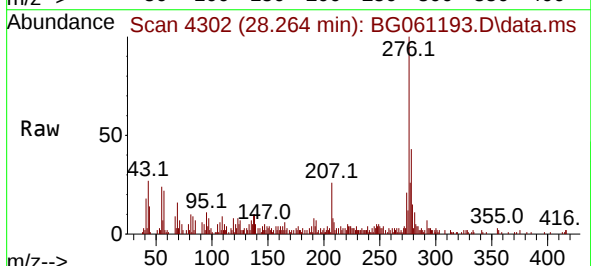
Tgt Ion:278 Resp: 26766

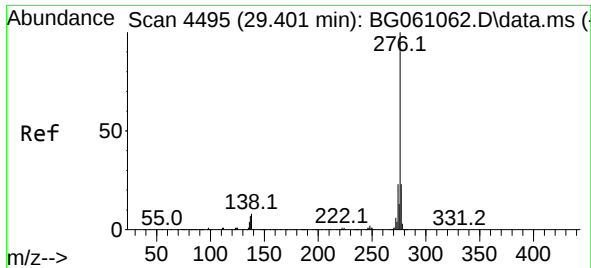
Ion Ratio Lower Upper

278 100

139 12.3 4.2 6.2#

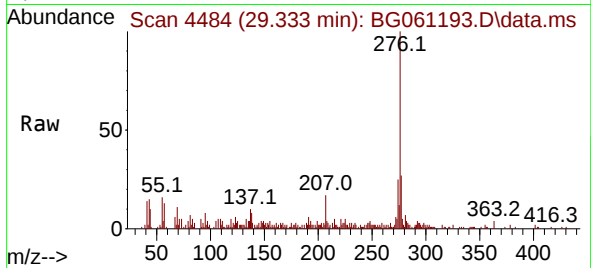
279 34.3 18.0 27.0#





#92
 Benzo(g,h,i)perylene
 Concen: 8.443 ng
 RT: 29.333 min Scan# 4484
 Delta R.T. -0.068 min
 Lab File: BG061193.D
 Acq: 14 May 2024 17:16

Instrument :
 BNA_G
 ClientSampleId :
 F-1(5.0-6.0)



Tgt Ion:276 Resp: 106038
 Ion Ratio Lower Upper
 276 100
 277 27.4 18.2 27.4
 138 7.5 6.2 9.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/15/2024
 Supervised By :mohammad ahmed 05/17/2024

