

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
 Data File : BF136311.D
 Acq On : 30 Nov 2023 13:48
 Operator : CG\JU
 Sample : 05492-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/01/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 30 14:09:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	111964	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	450875	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	205368	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	314630	20.000	ng	0.00
76) Chrysene-d12	13.980	240	223862	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	247822	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	175582	21.827	ng	-0.01
7) Phenol-d6	6.428	99	208932	20.772	ng	-0.02
23) Nitrobenzene-d5	7.357	82	124891	14.637	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	45116	17.969	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	257685	16.027	ng	-0.01
79) Terphenyl-d14	12.921	244	205917	10.610	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	361436	20.439	ng	97
72) Anthracene	11.404	178	86649	4.886	ng	98
73) Carbazole	11.563	167	32228	2.137	ng	95
75) Fluoranthene	12.545	202	494309	27.535	ng	94
78) Pyrene	12.774	202	390408	15.924	ng	97
81) Benzo(a)anthracene	13.974	228	229705	13.815	ng	98
83) Chrysene	14.010	228	199907m	12.452	ng	
87) Indeno(1,2,3-cd)pyrene	16.962	276	86648	7.096	ng	97
88) Benzo(b)fluoranthene	15.033	252	269751m	15.515	ng	
89) Benzo(k)fluoranthene	15.057	252	72495m	4.390	ng	
90) Benzo(a)pyrene	15.398	252	174172	12.254	ng	94
91) Dibenzo(a,h)anthracene	16.974	278	23424m	4.200	ng	
92) Benzo(g,h,i)perylene	17.415	276	76338	6.815	ng	97

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

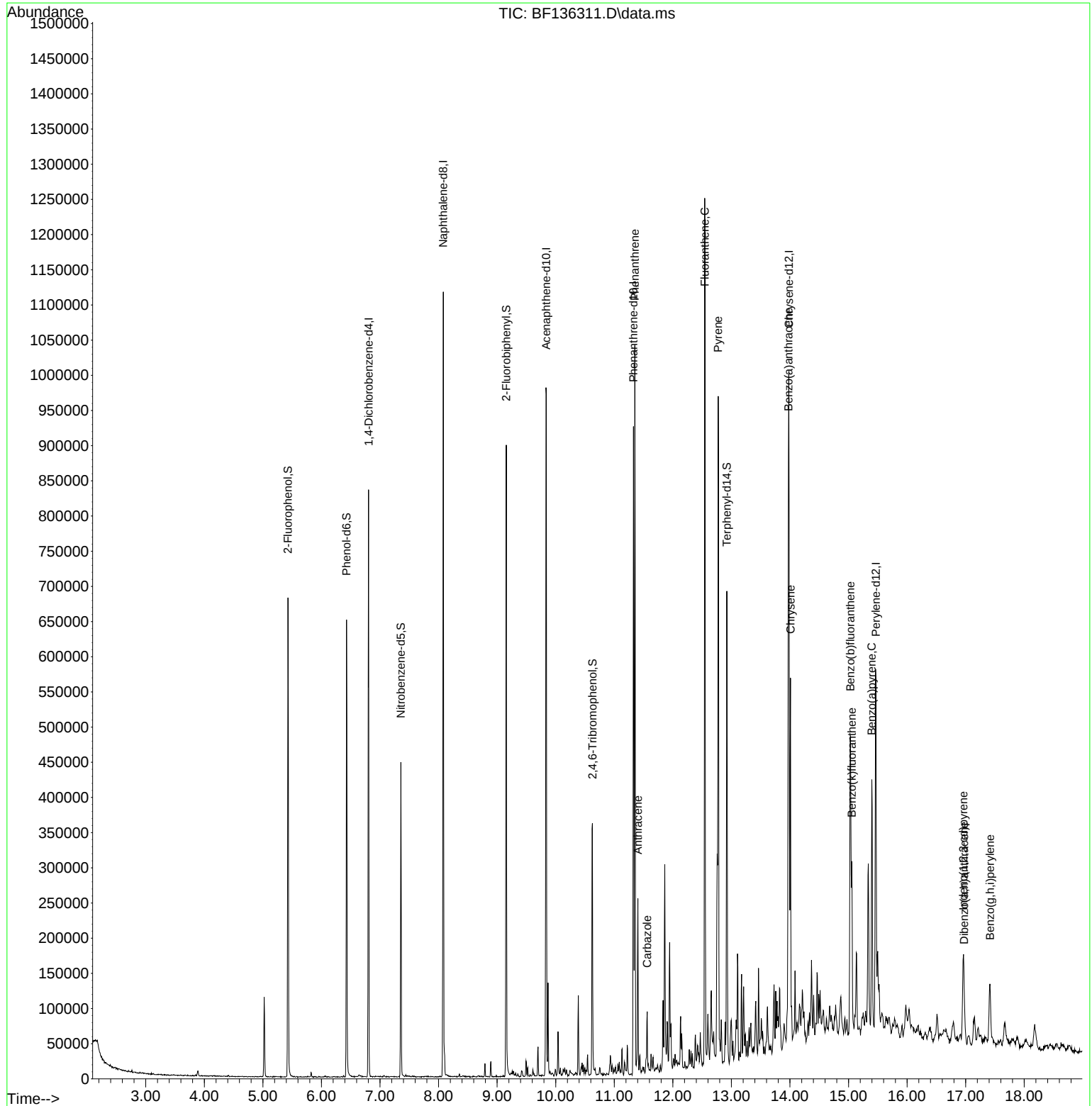
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Data File : BF136311.D
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Sample : 05492-01DL 5X
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ALS Vial : 7 Sample Multiplier: 1

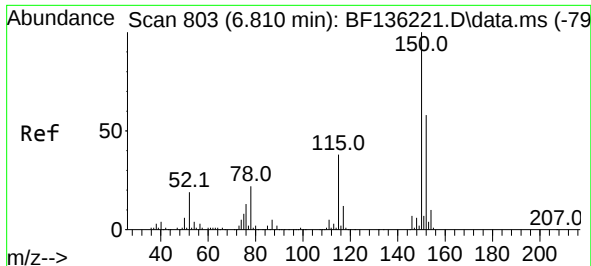
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Quant Time: Nov 30 14:09:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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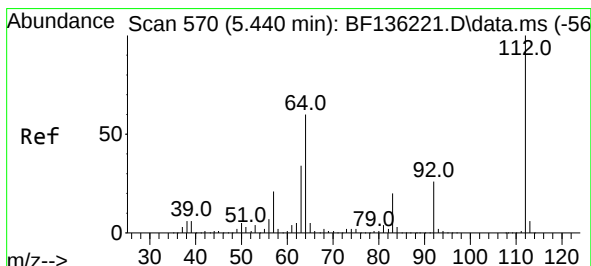
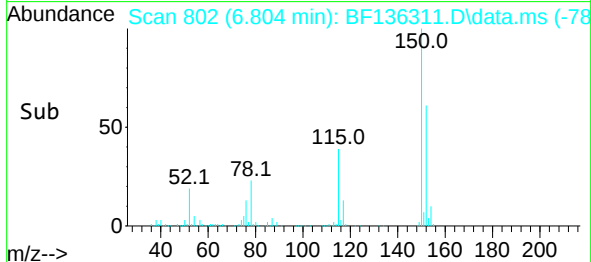
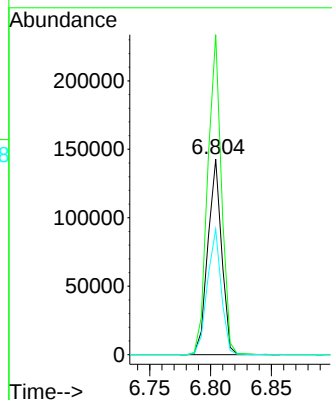
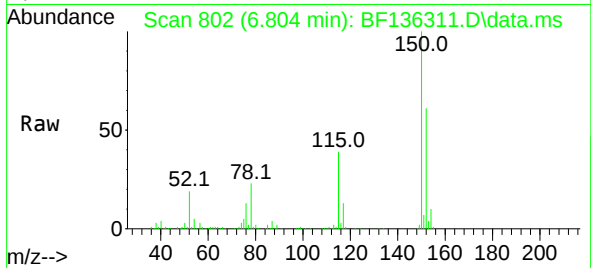
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Instrument :
BNA_F
ClientSampleId :
TP-13DL

Tgt Ion:152 Resp: 111964
Ion Ratio Lower Upper
152 100
150 163.6 137.8 206.8
115 64.1 52.7 79.1

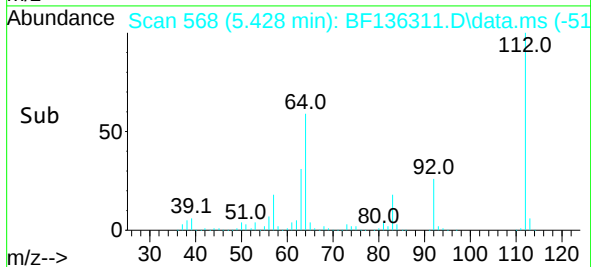
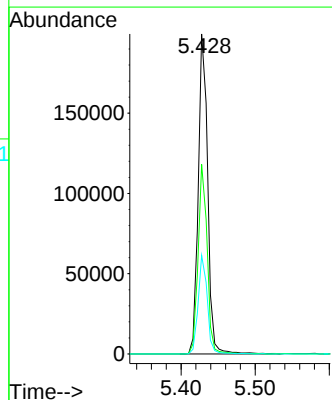
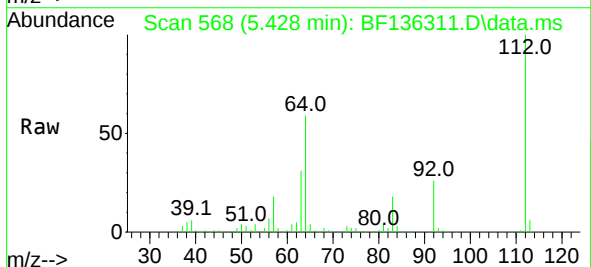
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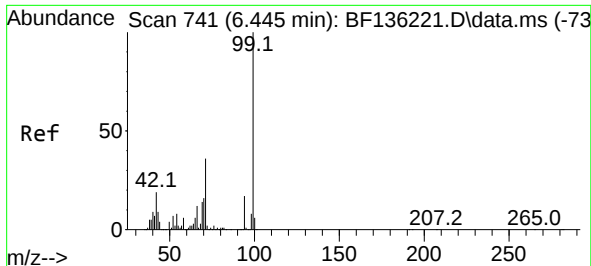
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#5
2-Fluorophenol
Concen: 21.827 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

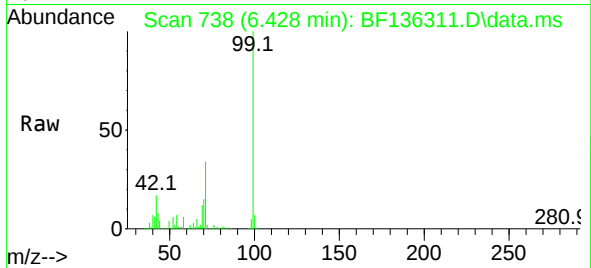
Tgt Ion:112 Resp: 175582
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.4
63 30.8 27.0 40.6





#7
Phenol-d6
Concen: 20.772 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

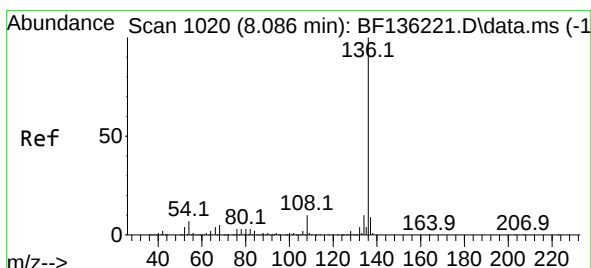
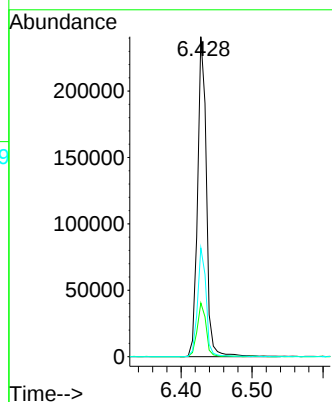
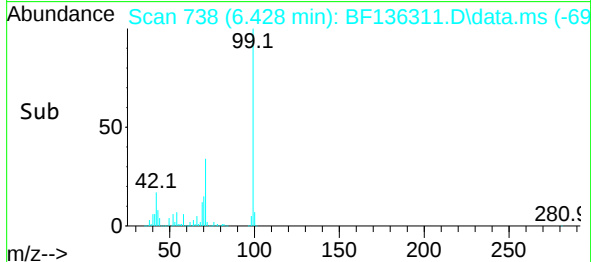
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 20893
Ion Ratio Lower Upper
99 100
42 16.8 15.0 22.6
71 34.0 28.9 43.3

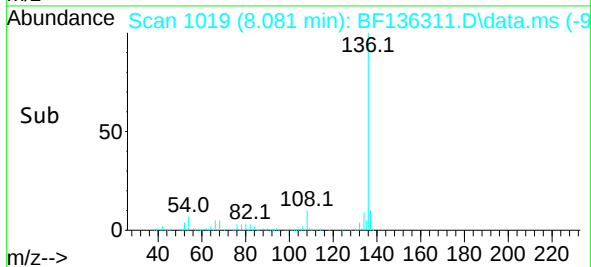
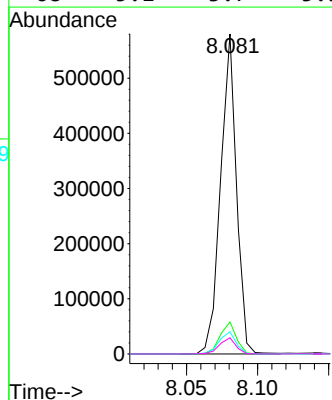
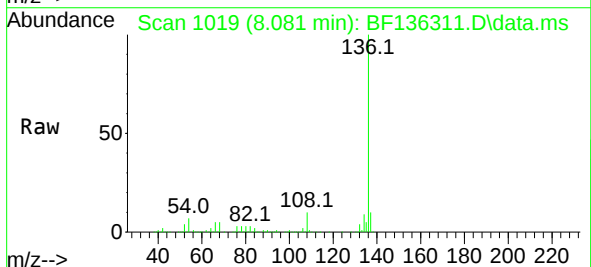
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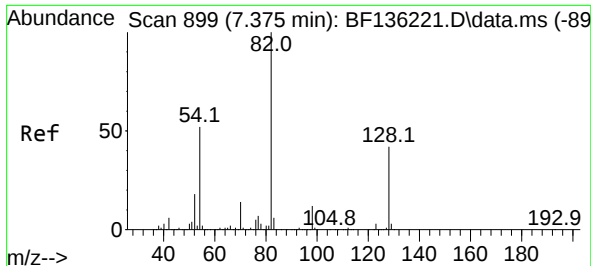
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion:136 Resp: 450875
Ion Ratio Lower Upper
136 100
137 10.0 7.4 11.2
54 7.0 5.5 8.3
68 5.1 3.7 5.5





#23

Nitrobenzene-d5

Concen: 14.637 ng

RT: 7.357 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

TP-13DL

Tgt Ion: 82 Resp: 12489

Ion Ratio Lower Upper

82 100

128 43.6 33.4 50.2

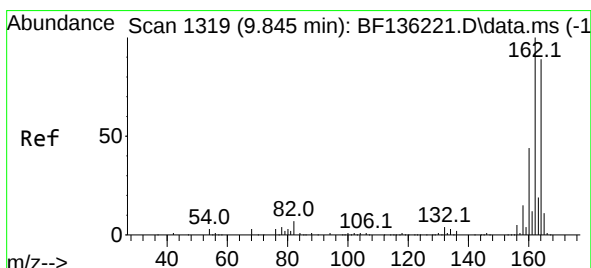
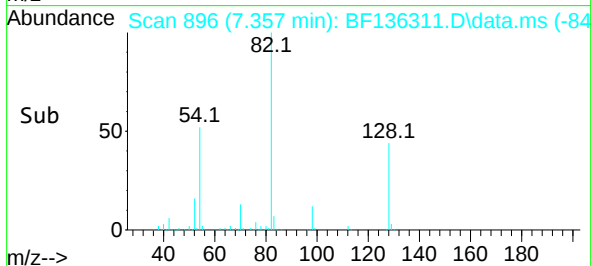
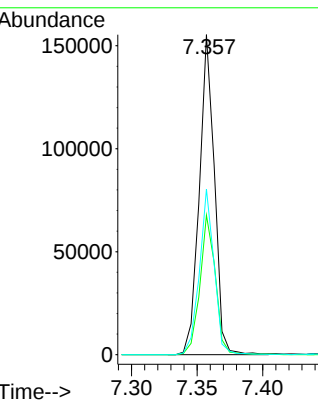
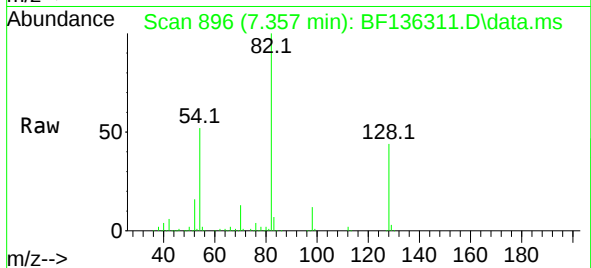
54 51.7 41.7 62.5

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Supervised By :mohammad ahmed 12/01/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

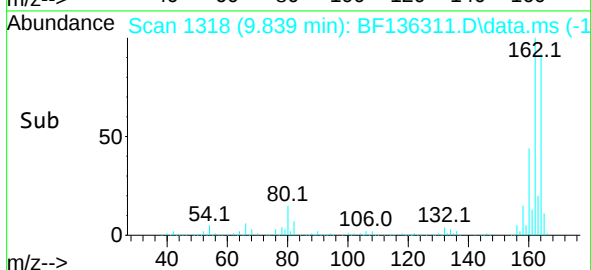
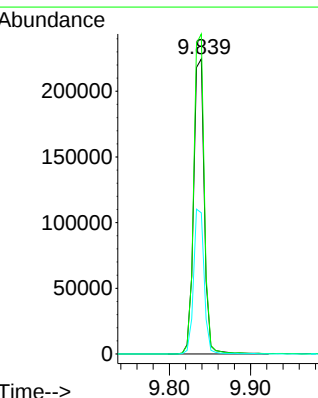
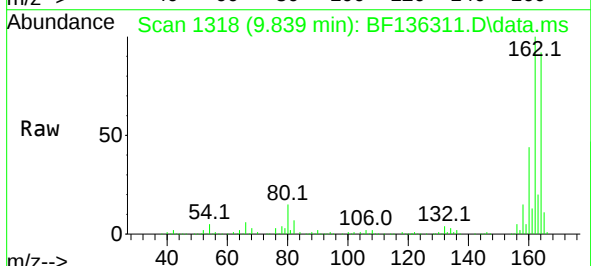
Tgt Ion:164 Resp: 205368

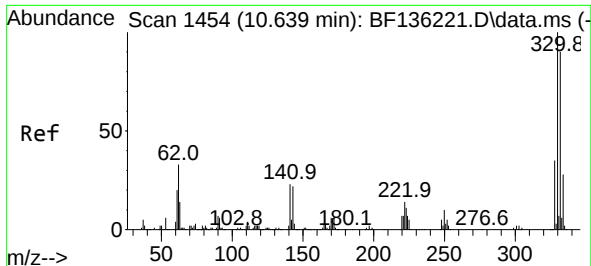
Ion Ratio Lower Upper

164 100

162 108.4 89.5 134.3

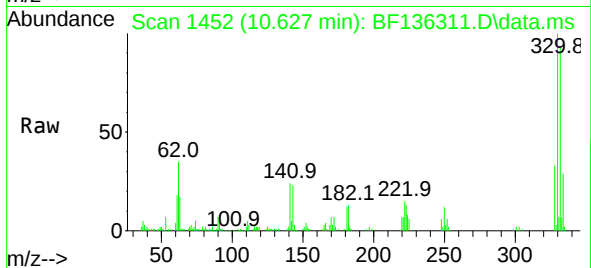
160 47.8 39.6 59.4





#42
2,4,6-Tribromophenol
Concen: 17.969 ng
RT: 10.627 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

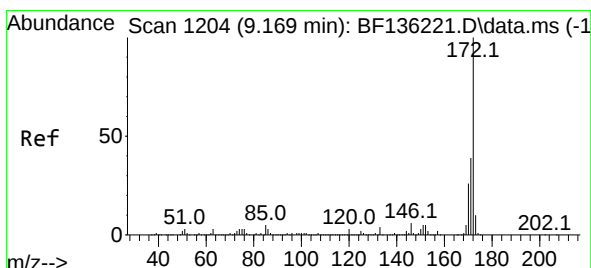
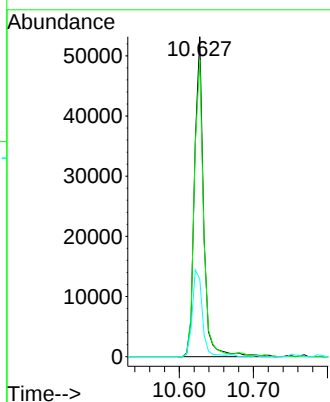
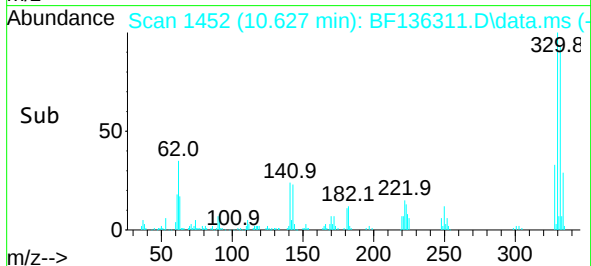
Instrument :
BNA_F
ClientSampleId :
TP-13DL



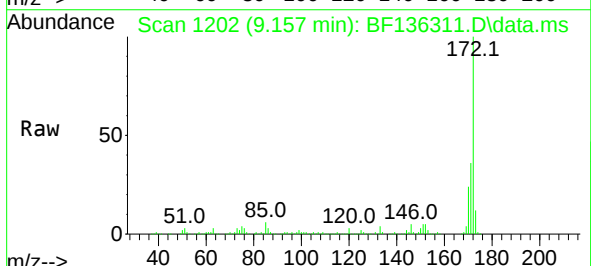
Tgt Ion:330 Resp: 45110
Ion Ratio Lower Upper
330 100
332 94.1 73.0 109.6
141 30.4 24.2 36.2

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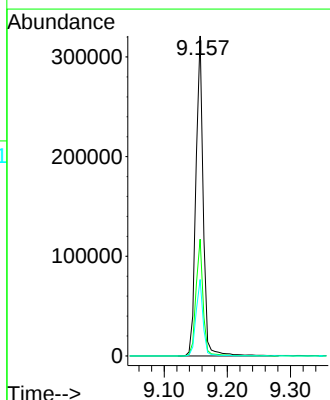
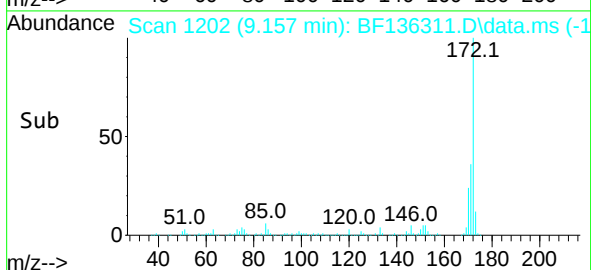
Reviewed By :Yogesh Patel 12/01/2023
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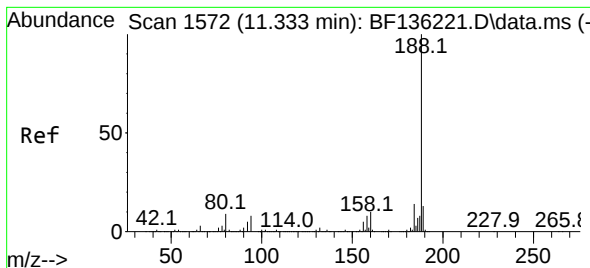


#45
2-Fluorobiphenyl
Concen: 16.027 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48



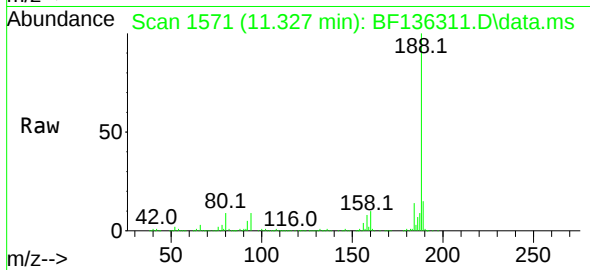
Tgt Ion:172 Resp: 257685
Ion Ratio Lower Upper
172 100
171 36.5 31.5 47.3
170 23.9 20.8 31.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

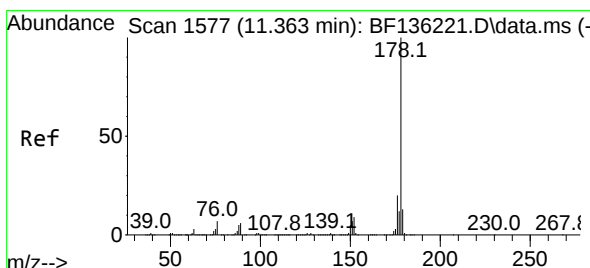
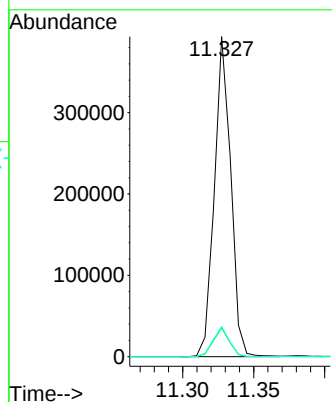
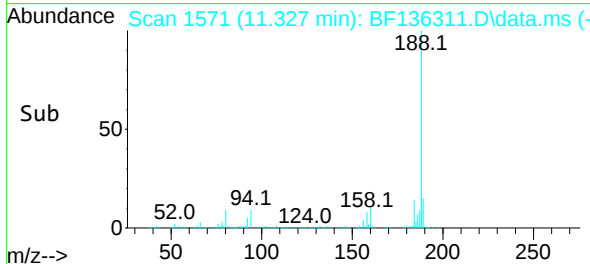
Instrument :
BNA_F
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Tgt Ion:188 Resp: 314630
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 9.4 7.2 10.8

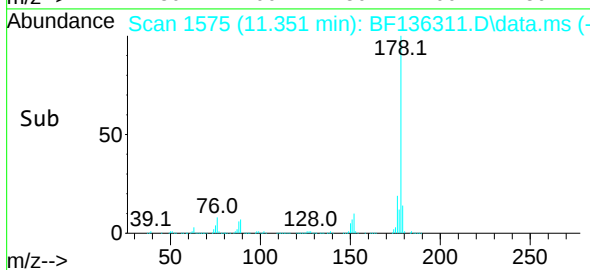
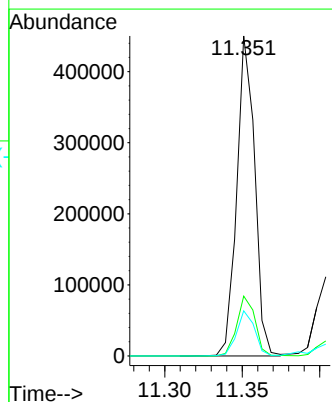
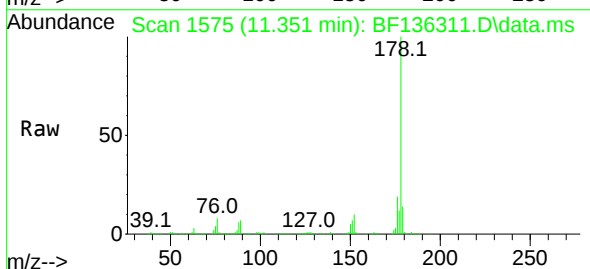
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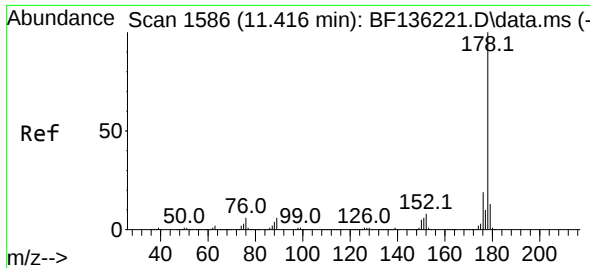
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#71
Phenanthrene
Concen: 20.439 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

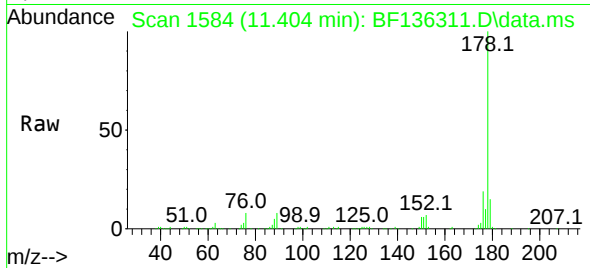
Tgt Ion:178 Resp: 361436
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 14.1 10.3 15.5





#72
 Anthracene
 Concen: 4.886 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136311.D
 Acq: 30 Nov 2023 13:48

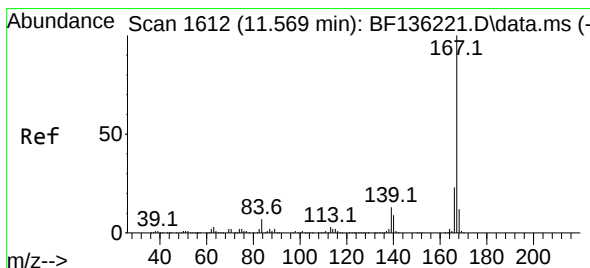
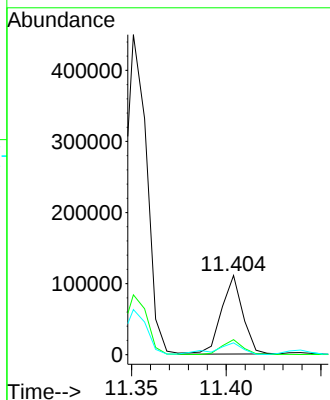
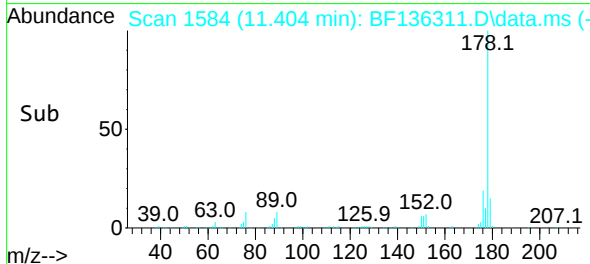
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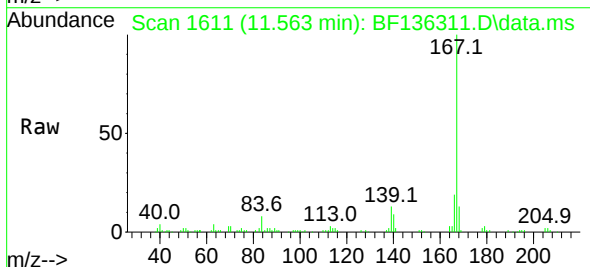
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 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 15.0 10.5 15.7

Manual Integrations
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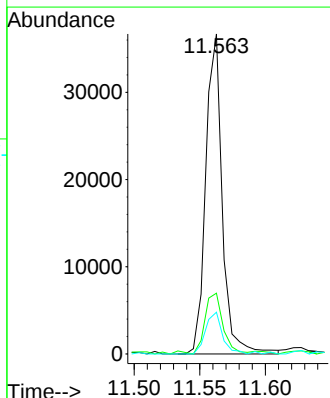
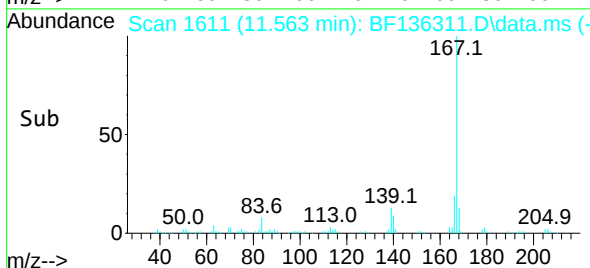
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 Supervised By :mohammad ahmed 12/01/2023

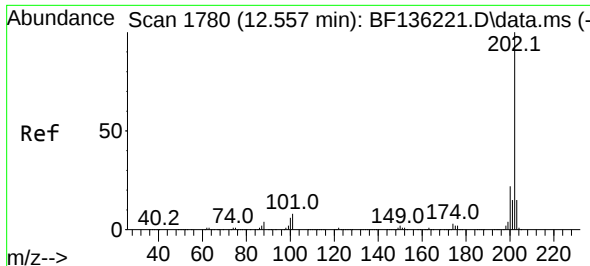


#73
 Carbazole
 Concen: 2.137 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF136311.D
 Acq: 30 Nov 2023 13:48



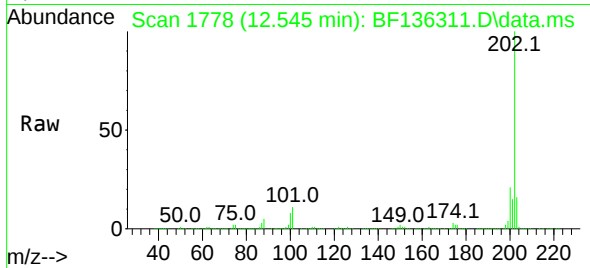
Tgt Ion:167 Resp: 32228
 Ion Ratio Lower Upper
 167 100
 166 19.0 18.4 27.6
 139 13.0 10.5 15.7





#75
Fluoranthene
Concen: 27.535 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

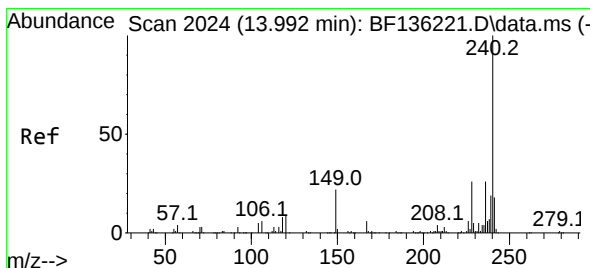
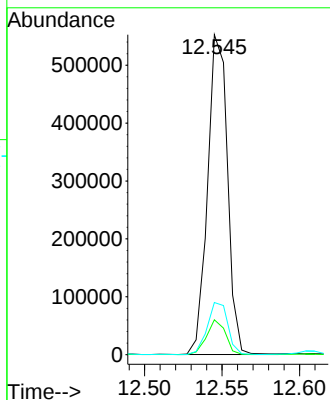
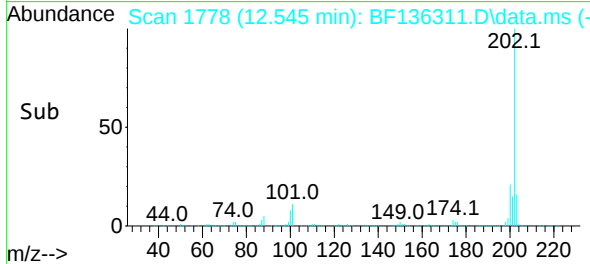
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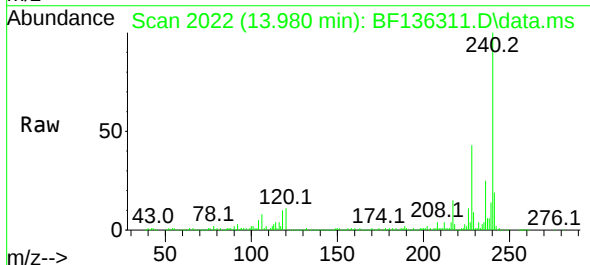
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Ion Ratio Lower Upper
202 100
101 10.9 0.0 27.8
203 16.3 0.0 34.5

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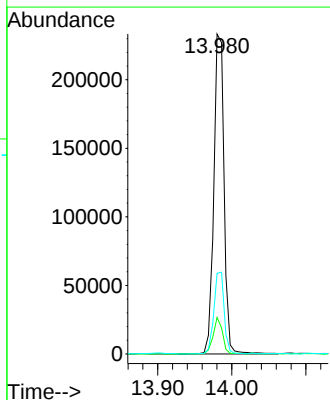
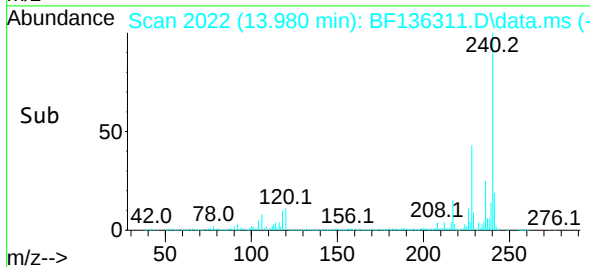
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023

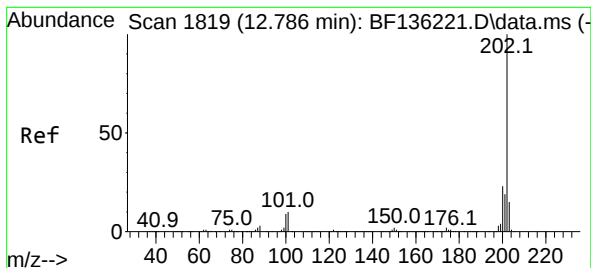


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48



Tgt Ion:240 Resp: 223862
Ion Ratio Lower Upper
240 100
120 11.4 7.4 11.2#
236 25.2 21.1 31.7





#78

Pyrene

Concen: 15.924 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

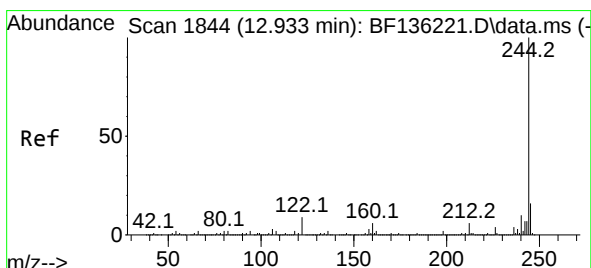
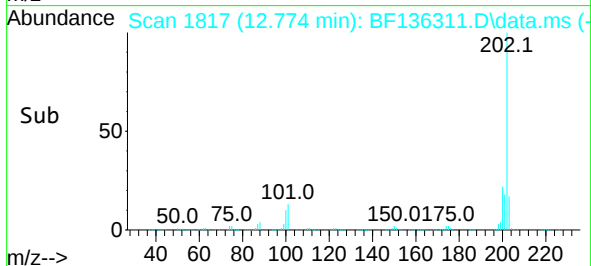
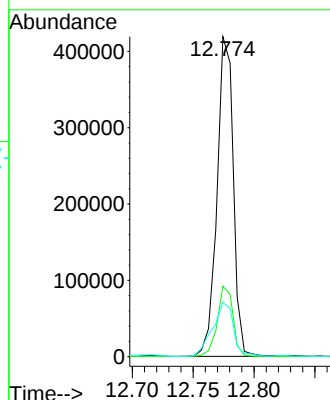
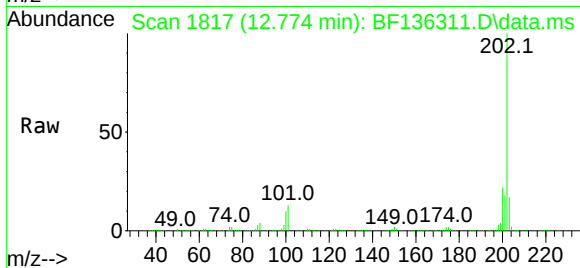
TP-13DL

Tgt Ion:202 Resp: 390408
 Ion Ratio Lower Upper
 202 100
 200 22.0 18.4 27.6
 203 17.0 11.8 17.6

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 Supervised By :mohammad ahmed 12/01/2023



#79

Terphenyl-d14

Concen: 10.610 ng

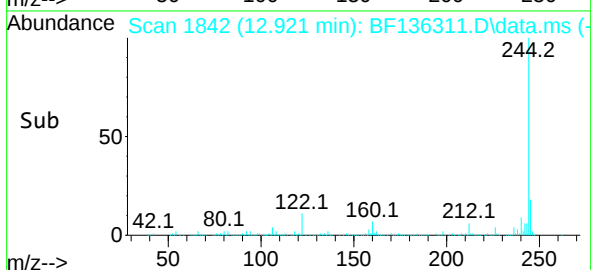
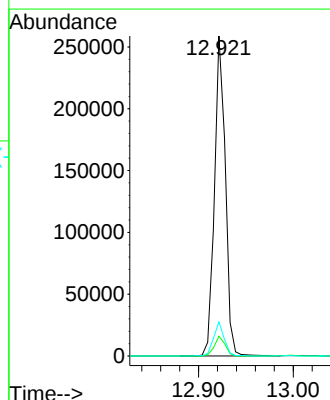
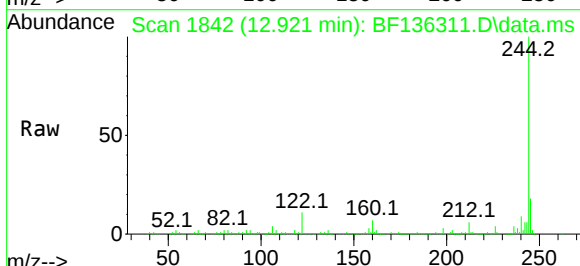
RT: 12.921 min Scan# 1842

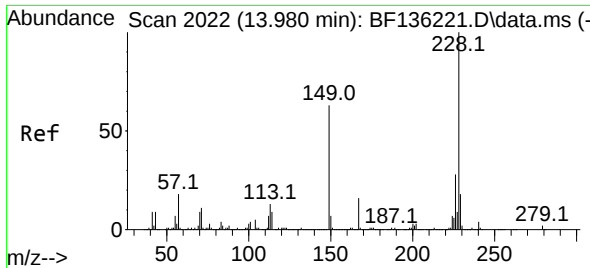
Delta R.T. -0.012 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

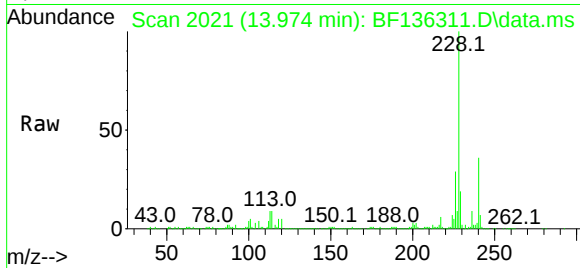
Tgt Ion:244 Resp: 205917
 Ion Ratio Lower Upper
 244 100
 212 6.1 4.6 7.0
 122 10.7 7.3 10.9





#81
Benzo(a)anthracene
Concen: 13.815 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

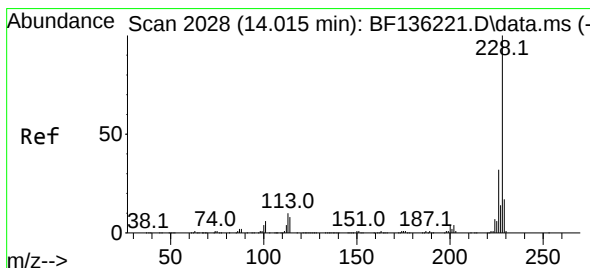
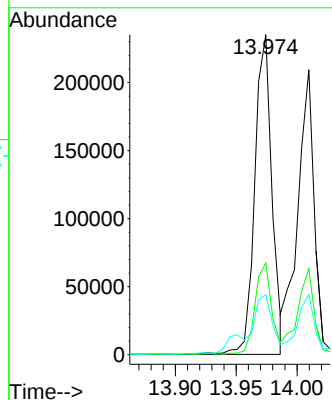
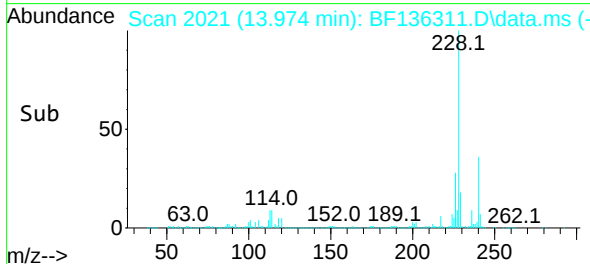
Instrument :
BNA_F
ClientSampleId :
TP-13DL



Tgt Ion:228 Resp: 22970
Ion Ratio Lower Upper
228 100
226 28.7 22.6 34.0
229 18.7 14.0 21.0

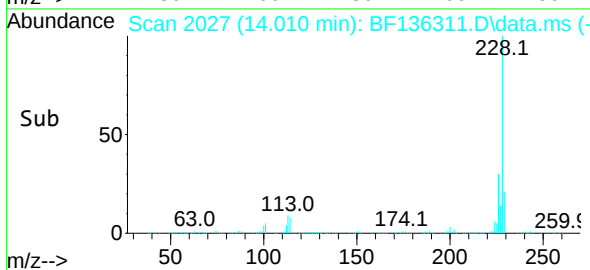
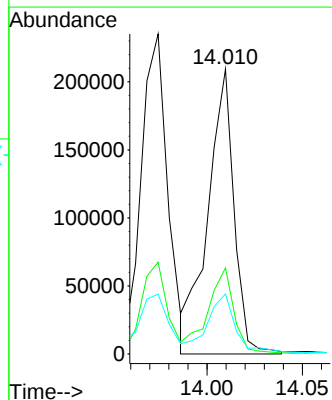
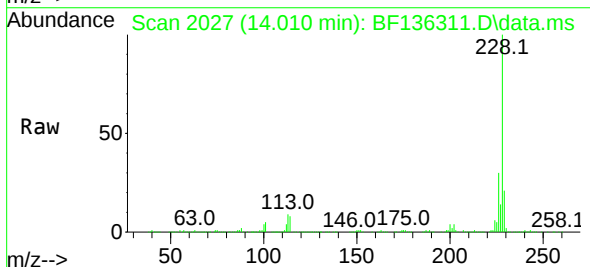
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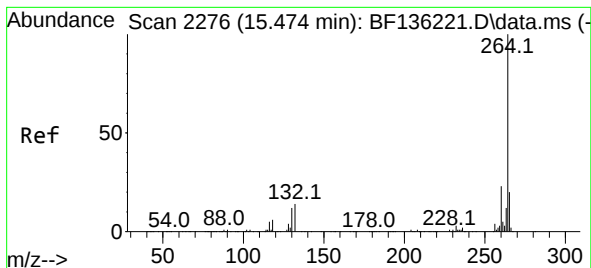
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#83
Chrysene
Concen: 12.452 ng m
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion:228 Resp: 199907
Ion Ratio Lower Upper
228 100
226 30.2 25.5 38.3
229 21.0 13.9 20.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

TP-13DL

Tgt Ion:264 Resp: 24782

Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

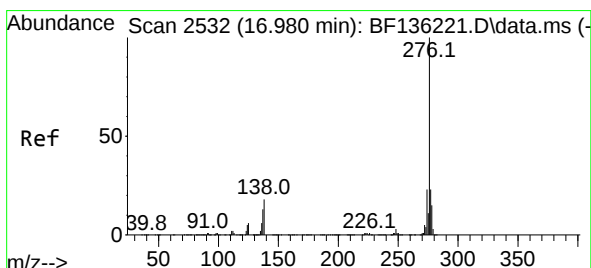
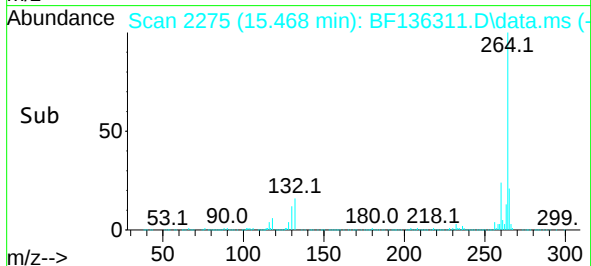
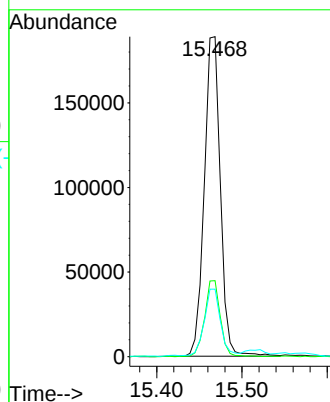
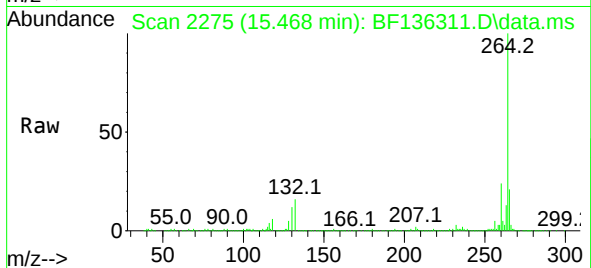
265 21.1 15.7 23.5

Manual Integrations

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Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.096 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.018 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

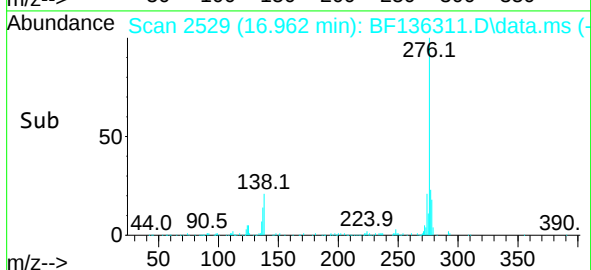
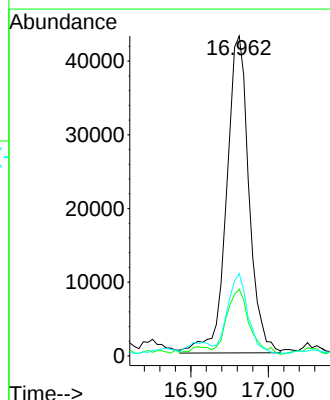
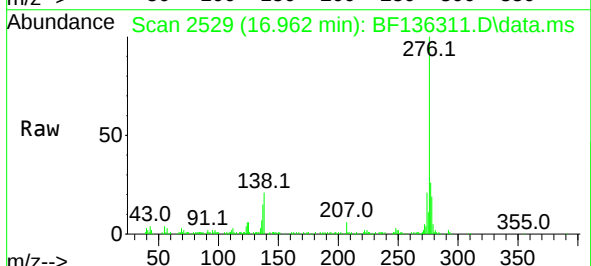
Tgt Ion:276 Resp: 86648

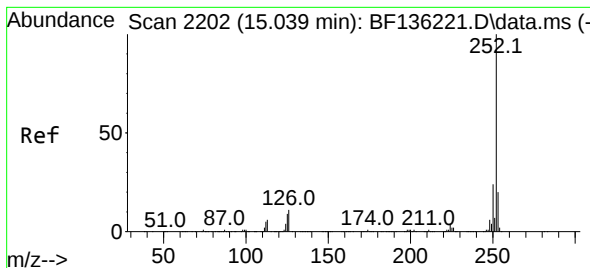
Ion Ratio Lower Upper

276 100

138 20.6 17.7 26.5

277 22.6 19.6 29.4





#88

Benzo(b)fluoranthene

Concen: 15.515 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

TP-13DL

Tgt Ion:252 Resp: 26975

Ion Ratio Lower Upper

252 100

253 21.5 16.2 24.2

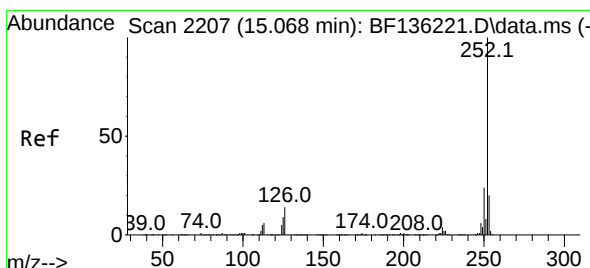
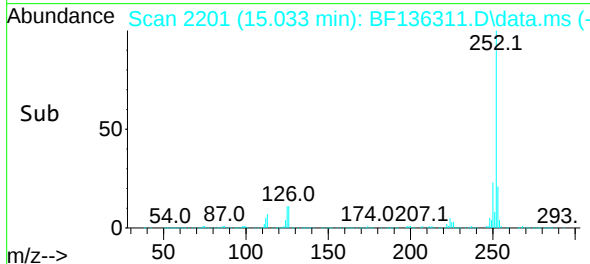
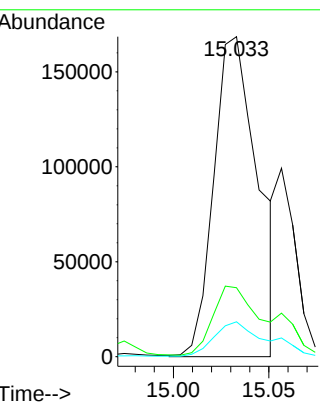
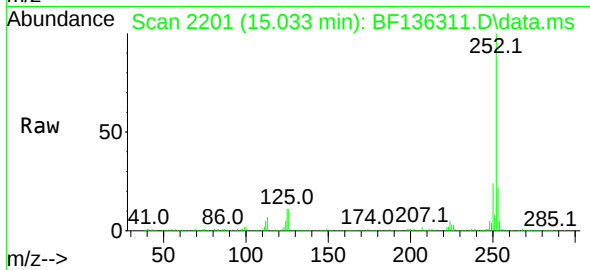
125 10.9 6.9 10.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023



#89

Benzo(k)fluoranthene

Concen: 4.390 ng m

RT: 15.057 min Scan# 2205

Delta R.T. -0.011 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

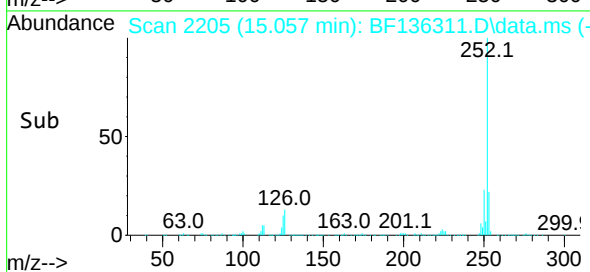
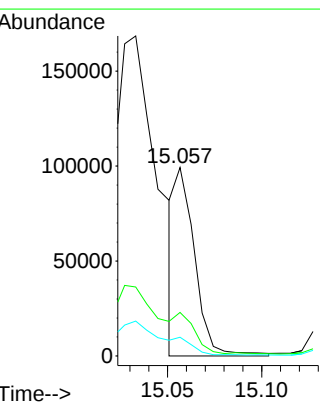
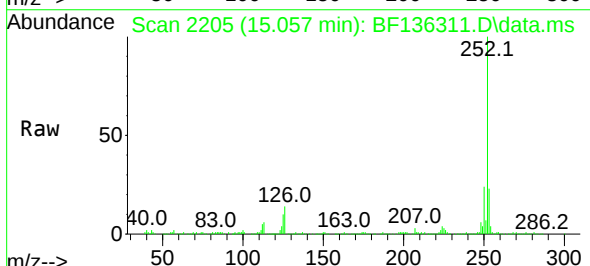
Tgt Ion:252 Resp: 72495

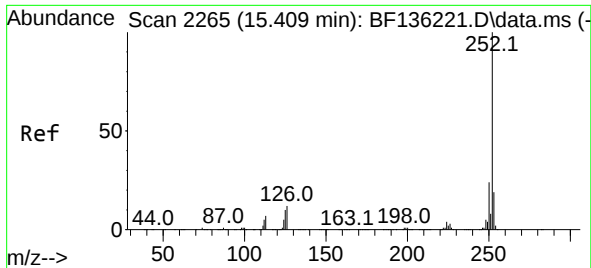
Ion Ratio Lower Upper

252 100

253 23.1 15.6 23.4

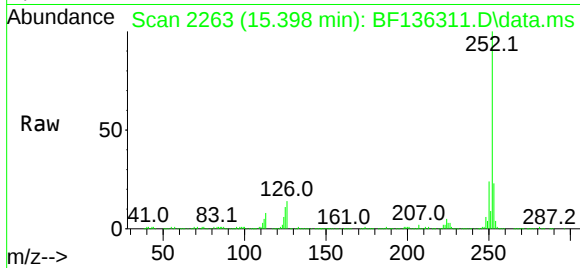
125 10.0 7.0 10.4





#90
Benzo(a)pyrene
Concen: 12.254 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

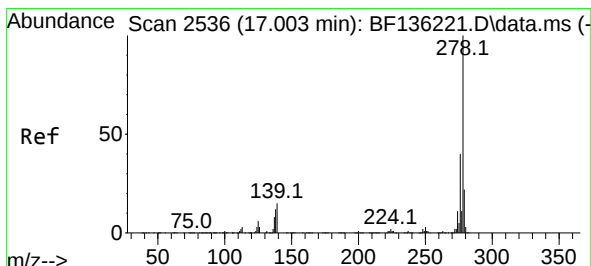
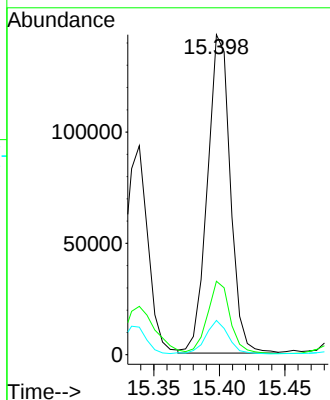
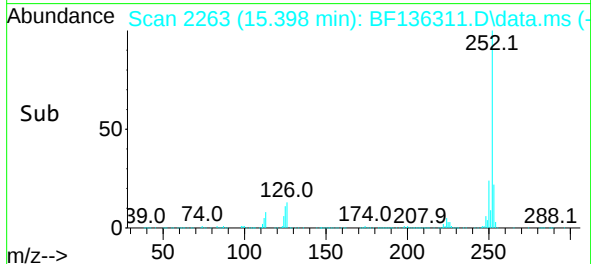
Instrument :
BNA_F
ClientSampleId :
TP-13DL



Tgt Ion:252 Resp: 174172
Ion Ratio Lower Upper
252 100
253 23.0 15.5 23.3
125 10.7 7.9 11.9

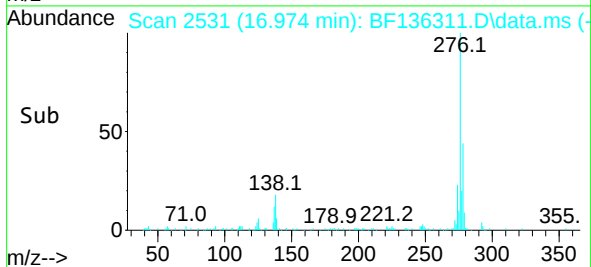
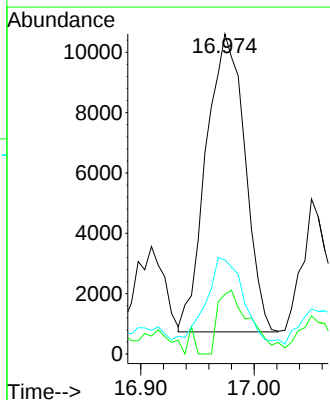
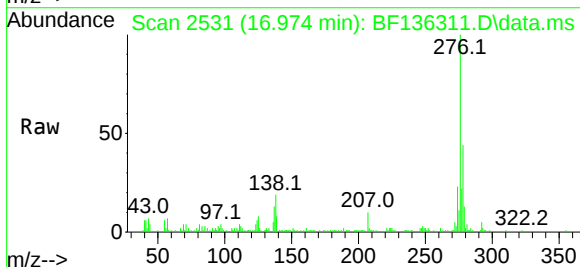
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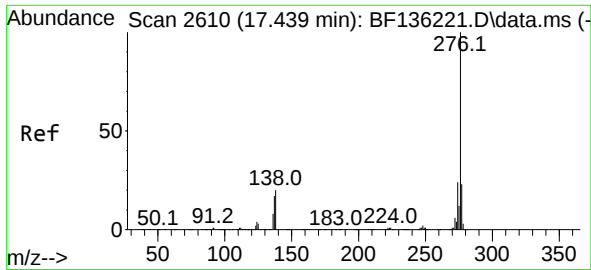
Reviewed By :Yogesh Patel 12/01/2023
Supervised By :mohammad ahmed 12/01/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.200 ng m
RT: 16.974 min Scan# 2531
Delta R.T. -0.029 min
Lab File: BF136311.D
Acq: 30 Nov 2023 13:48

Tgt Ion:278 Resp: 23424
Ion Ratio Lower Upper
278 100
139 18.6 11.7 17.5#
279 29.4 17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 6.815 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF136311.D

Acq: 30 Nov 2023 13:48

Instrument :

BNA_F

ClientSampleId :

TP-13DL

Tgt Ion:276 Resp: 76338

Ion Ratio Lower Upper

276 100

277 22.7 18.6 27.8

138 17.4 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/01/2023

Supervised By :mohammad ahmed 12/01/2023

