

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060524\
 Data File : BP020530.D
 Acq On : 06 Jun 2024 00:12
 Operator : MA/JU
 Sample : P2683-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 06 02:03:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	289726	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1154756	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	758117	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1561655	20.000	ng	-0.01
76) Chrysene-d12	21.651	240	1398153	20.000	ng	-0.02
86) Perylene-d12	25.010	264	1605976	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1292086	79.848	ng	0.00
7) Phenol-d6	6.934	99	1722946	75.501	ng	0.00
23) Nitrobenzene-d5	8.916	82	1057363	50.123	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	715385	90.926	ng	-0.01
45) 2-Fluorobiphenyl	12.998	172	2373300	46.667	ng	0.00
79) Terphenyl-d14	19.933	244	3692093	43.960	ng	-0.01
Target Compounds						Qvalue
32) Benzoic acid	9.769	122	61493m	11.330	ng	
71) Phenanthrene	17.233	178	1145012	14.915	ng	99
72) Anthracene	17.333	178	292669	3.885	ng	98
75) Fluoranthene	19.322	202	2276935	25.071	ng	99
78) Pyrene	19.704	202	2036296	19.363	ng	99
81) Benzo(a)anthracene	21.633	228	1179619	12.814	ng	97
83) Chrysene	21.698	228	1105929	12.749	ng	98
87) Indeno(1,2,3-cd)pyrene	28.827	276	803547	8.228	ng	# 89
88) Benzo(b)fluoranthene	23.951	252	1532139	15.314	ng	99
89) Benzo(k)fluoranthene	24.015	252	557999	5.718	ng	95
90) Benzo(a)pyrene	24.851	252	1133823	13.684	ng	98
91) Dibenzo(a,h)anthracene	28.898	278	199940	2.455	ng	94
92) Benzo(g,h,i)perylene	29.980	276	764731	9.393	ng	97

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

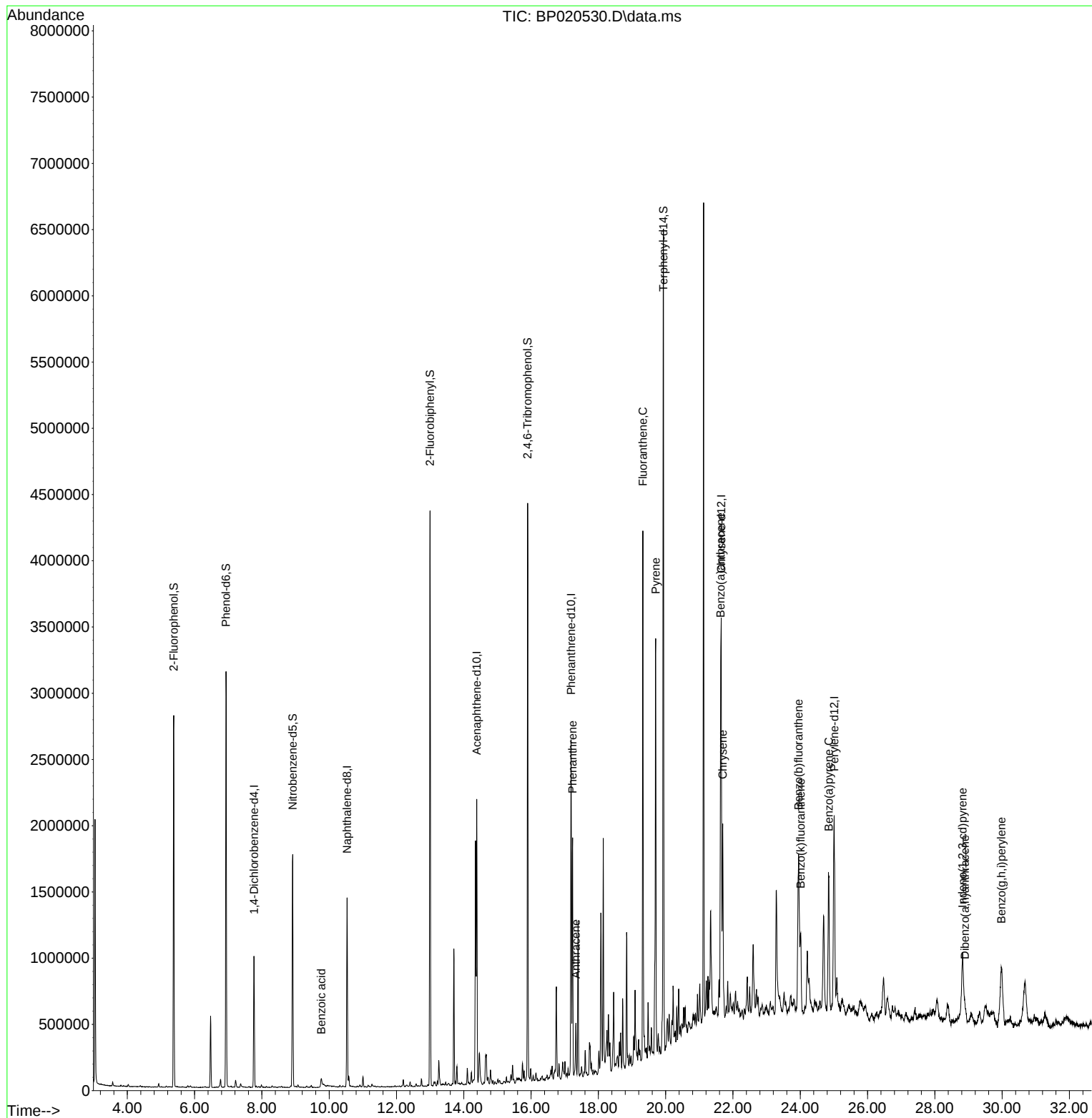
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060524\
Data File : BP020530.D
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ALS Vial : 12 Sample Multiplier: 1

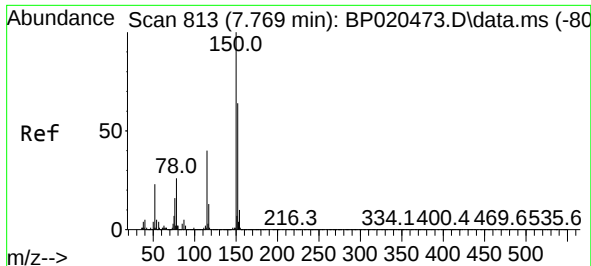
Instrument :
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Quant Time: Jun 06 02:03:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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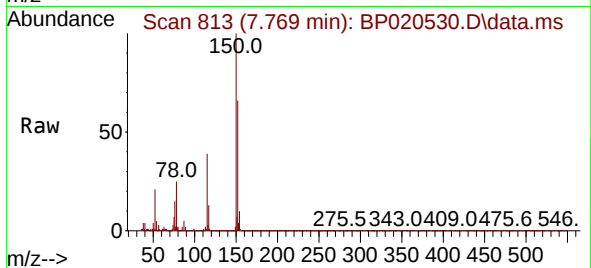
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. 0.000 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

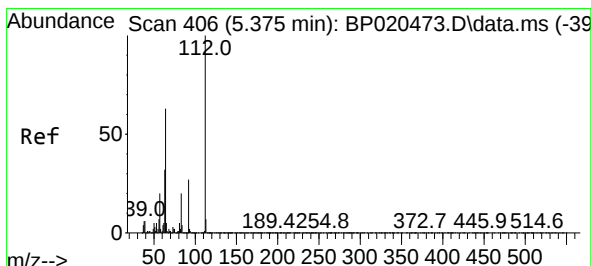
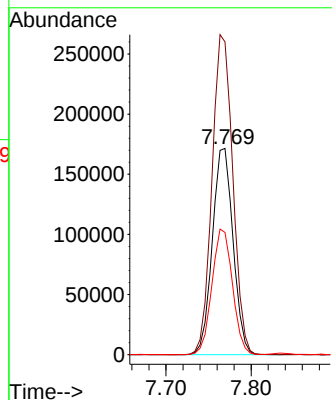
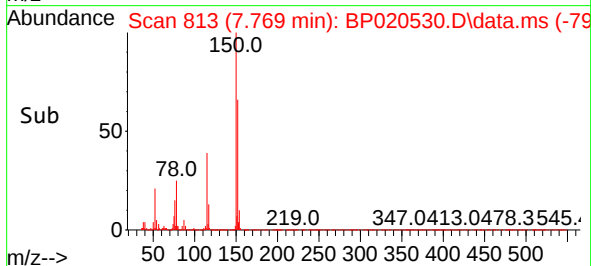
Instrument :
BNA_P
ClientSampleId :
WC-4



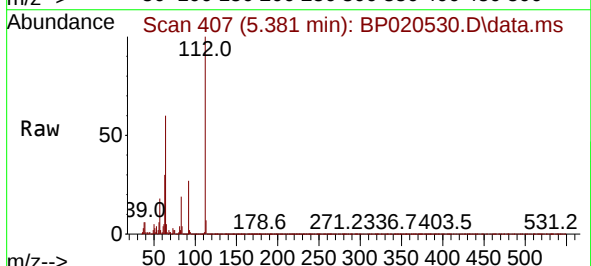
Tgt Ion:152 Resp: 289720
Ion Ratio Lower Upper
152 100
150 151.7 124.2 186.2
115 59.2 49.5 74.3

Manual Integrations
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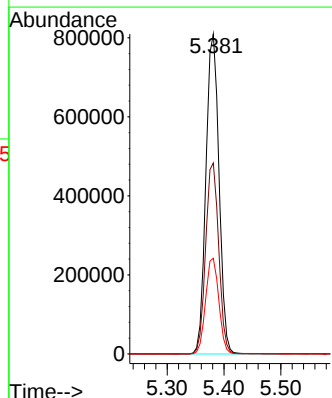
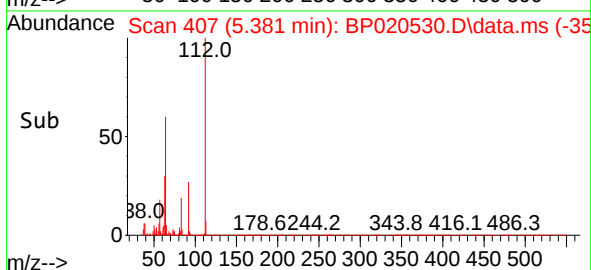
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#5
2-Fluorophenol
Concen: 79.848 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12



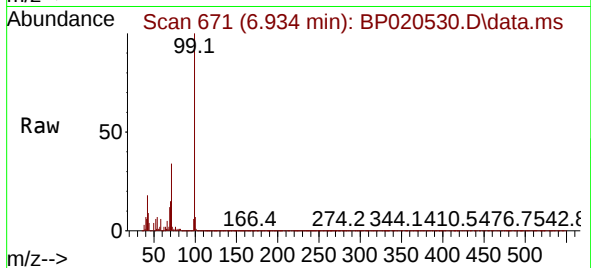
Tgt Ion:112 Resp: 1292086
Ion Ratio Lower Upper
112 100
64 59.7 50.1 75.1
63 29.9 25.7 38.5





#7
Phenol-d6
Concen: 75.501 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

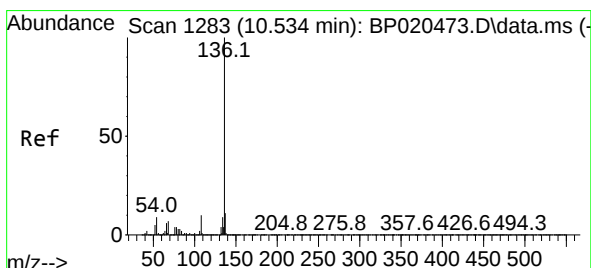
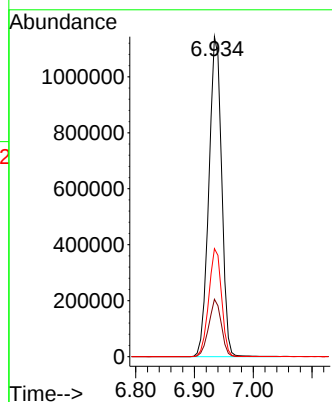
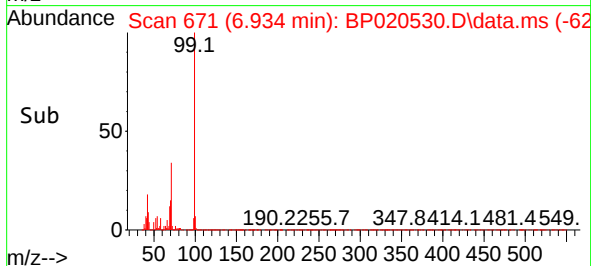
Instrument :
BNA_P
ClientSampleId :
WC-4



Tgt Ion: 99 Resp: 1722940
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.4
71 33.8 27.3 40.9

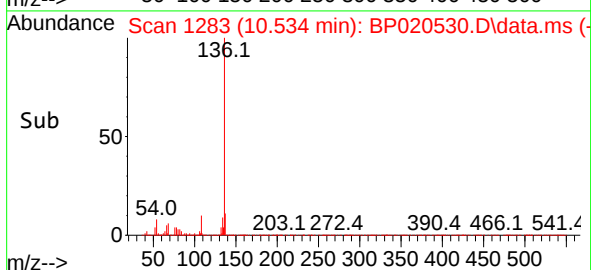
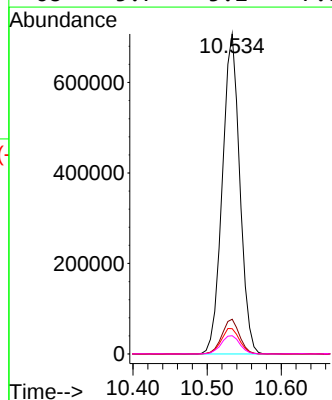
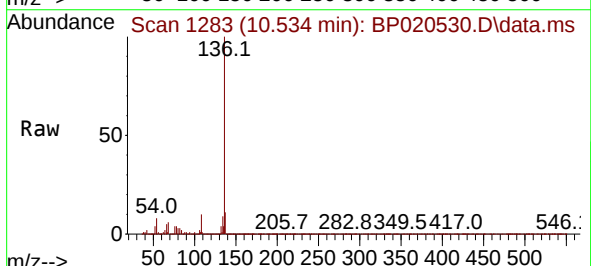
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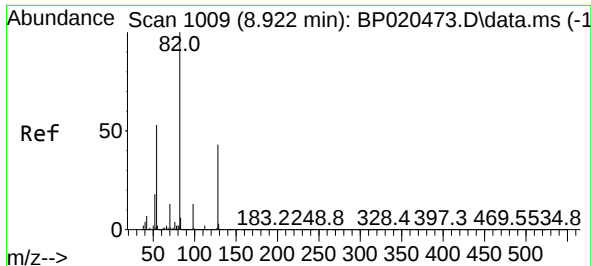
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

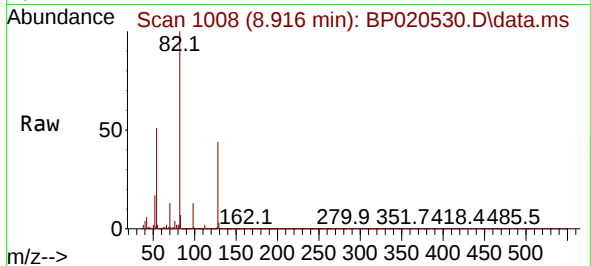
Tgt Ion:136 Resp: 1154756
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 7.9 7.4 11.0
68 5.7 5.2 7.8





#23
Nitrobenzene-d5
Concen: 50.123 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

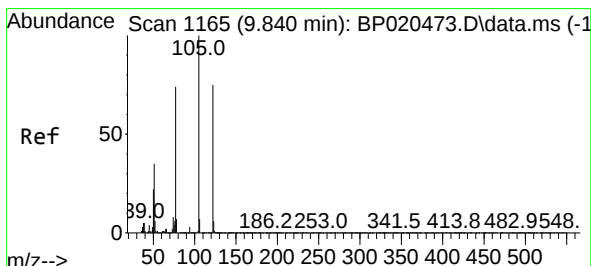
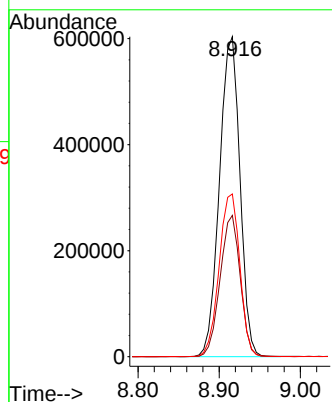
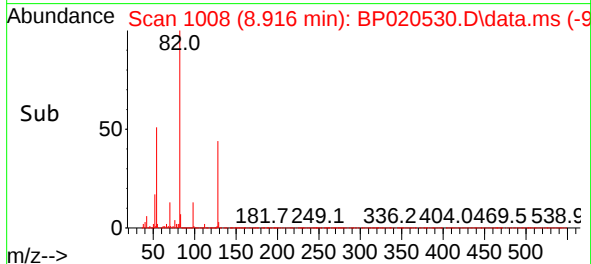
Instrument :
BNA_P
ClientSampleId :
WC-4



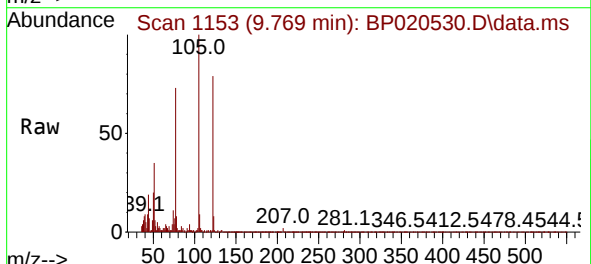
Tgt Ion: 82 Resp: 105736
Ion Ratio Lower Upper
82 100
128 44.2 34.2 51.4
54 50.9 42.7 64.1

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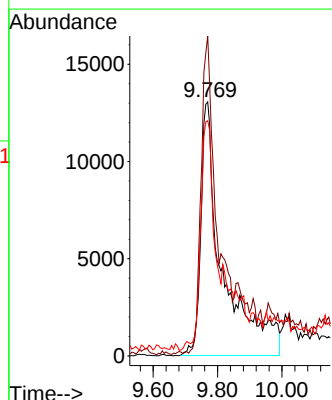
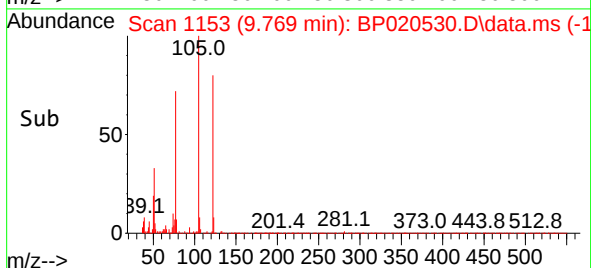
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

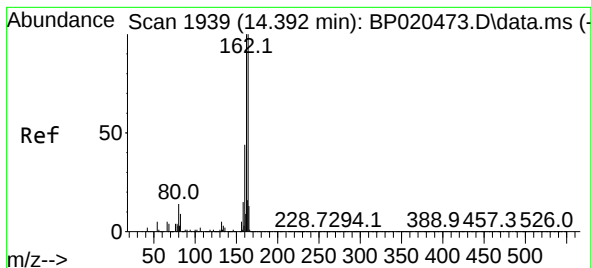


#32
Benzoic acid
Concen: 11.330 ng m
RT: 9.769 min Scan# 1153
Delta R.T. -0.071 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12



Tgt Ion:122 Resp: 61493
Ion Ratio Lower Upper
122 100
105 126.0 107.5 147.5
77 92.6 76.1 116.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.387 min Scan# 1938

Delta R.T. -0.005 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

Tgt Ion:164 Resp: 75811

Ion Ratio Lower Upper

164 100

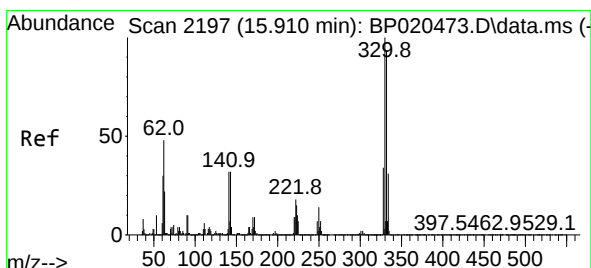
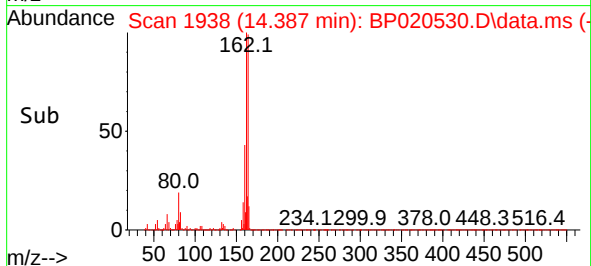
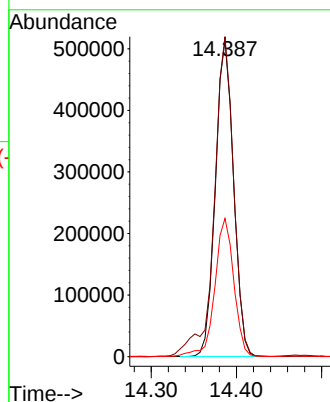
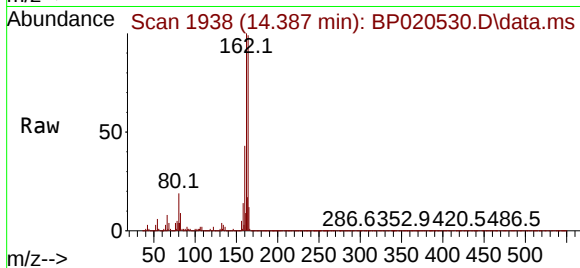
162 101.3 80.3 120.5

160 43.8 35.4 53.2

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 90.926 ng

RT: 15.898 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

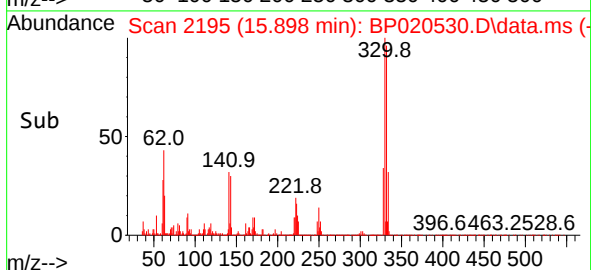
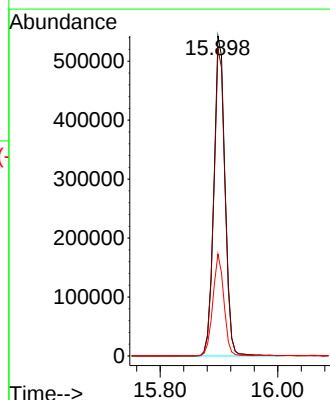
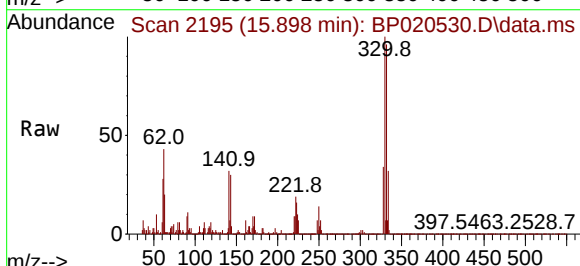
Tgt Ion:330 Resp: 715385

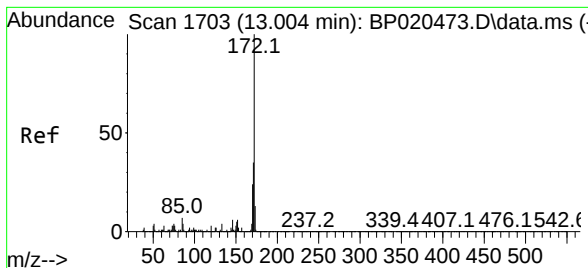
Ion Ratio Lower Upper

330 100

332 96.4 76.6 114.8

141 31.3 27.1 40.7





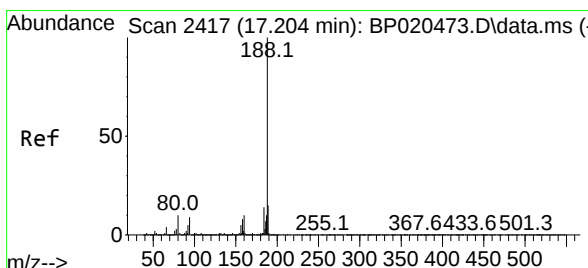
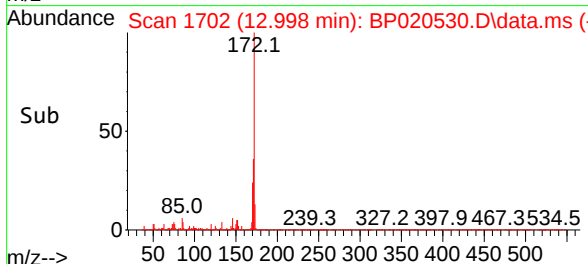
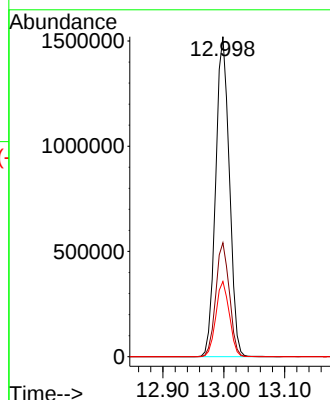
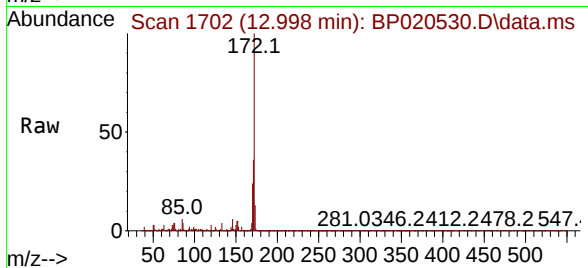
#45
2-Fluorobiphenyl
Concen: 46.667 ng
RT: 12.998 min Scan# 1702
Delta R.T. -0.006 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

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BNA_P
ClientSampleId :
WC-4

Tgt Ion:172 Resp: 2373300
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.5 18.9 28.3

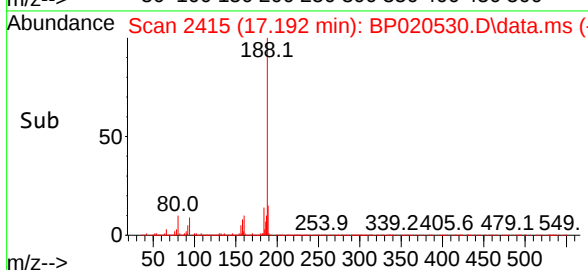
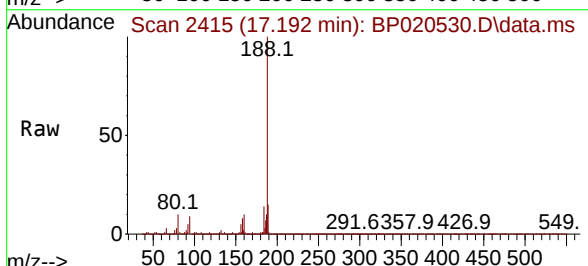
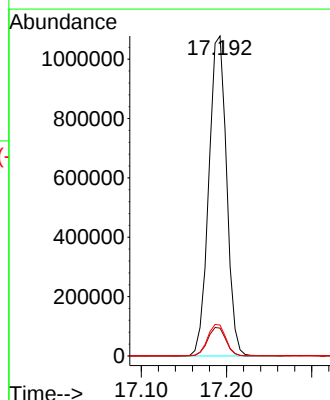
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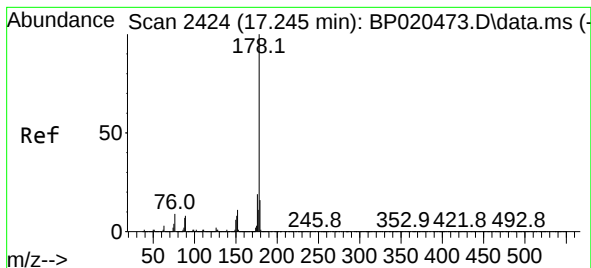
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion:188 Resp: 1561655
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.7 8.1 12.1





#71

Phenanthrene

Concen: 14.915 ng

RT: 17.233 min Scan# 2424

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

Tgt Ion:178 Resp: 114501

Ion Ratio Lower Upper

178 100

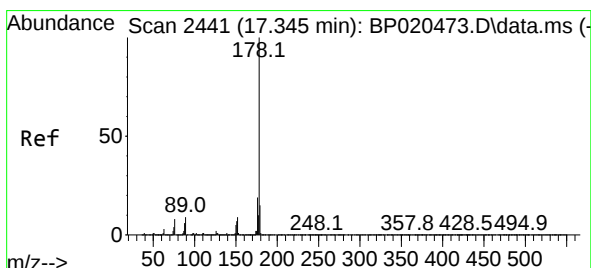
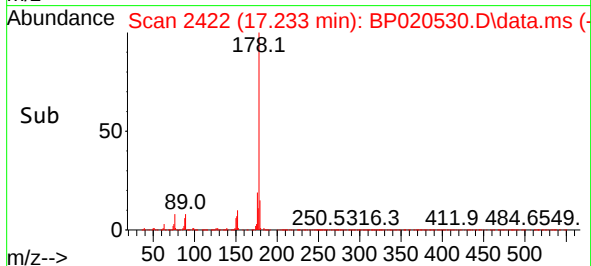
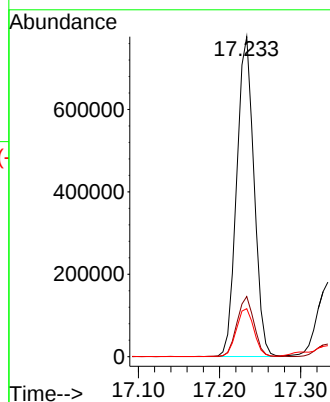
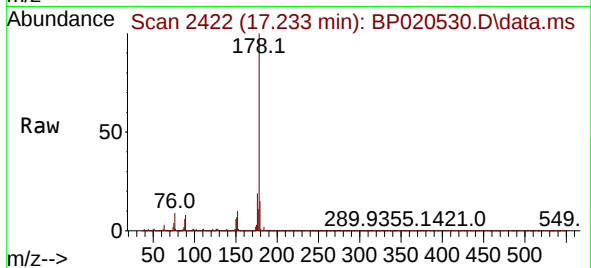
176 18.8 15.4 23.2

179 15.0 12.5 18.7

Manual Integrations

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Supervised By :mohammad ahmed 06/07/2024



#72

Anthracene

Concen: 3.885 ng

RT: 17.333 min Scan# 2439

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

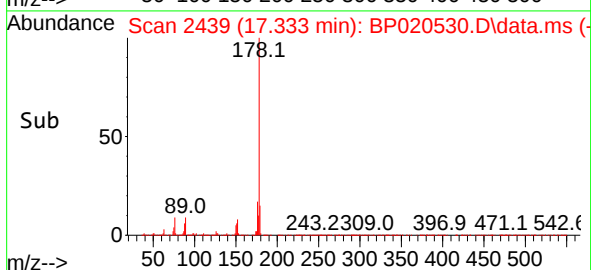
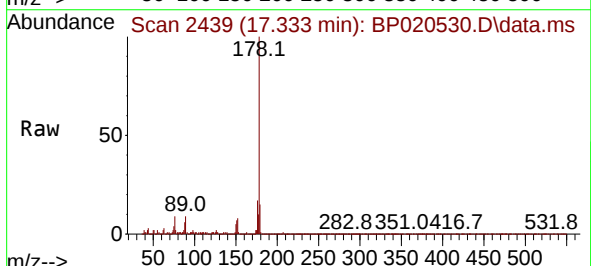
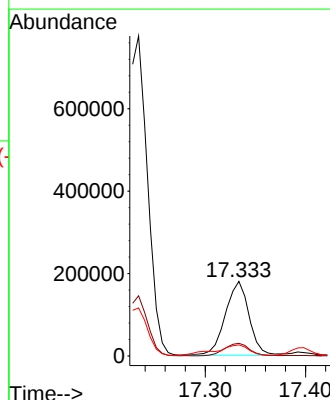
Tgt Ion:178 Resp: 292669

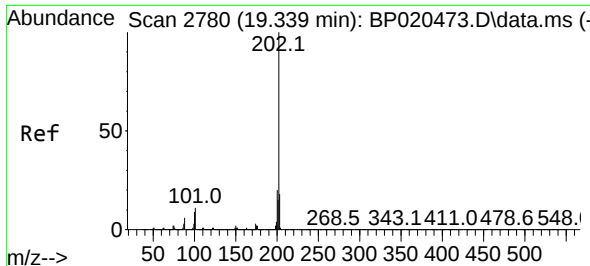
Ion Ratio Lower Upper

178 100

176 17.1 14.8 22.2

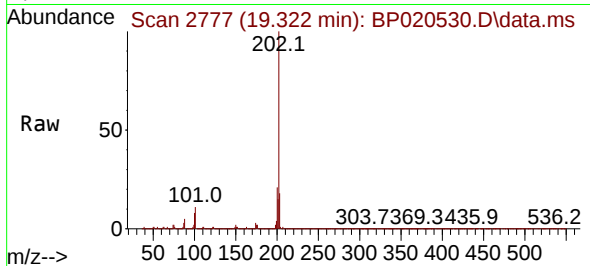
179 14.9 12.2 18.4





#75
Fluoranthene
Concen: 25.071 ng
RT: 19.322 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

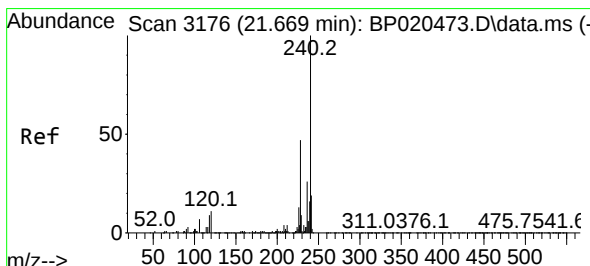
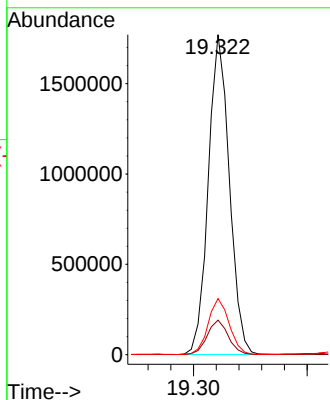
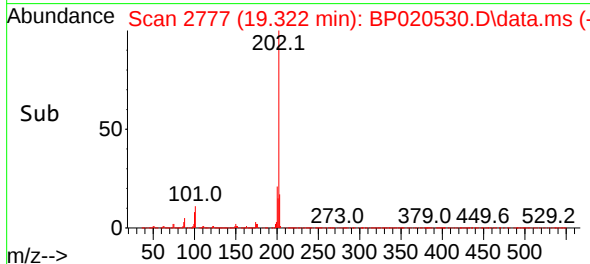
Instrument :
BNA_P
ClientSampleId :
WC-4



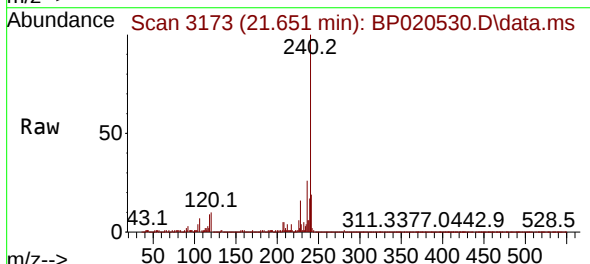
Tgt Ion:202 Resp: 2276935
Ion Ratio Lower Upper
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101 10.8 0.0 31.4
203 17.6 0.0 37.7

Manual Integrations
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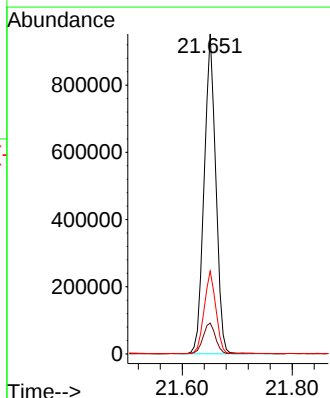
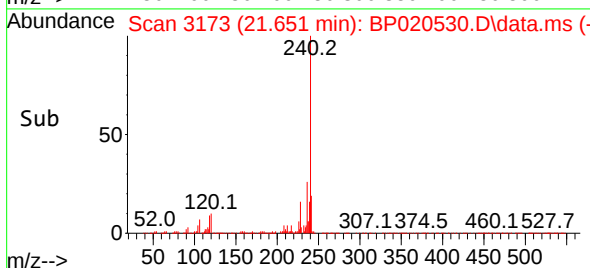
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

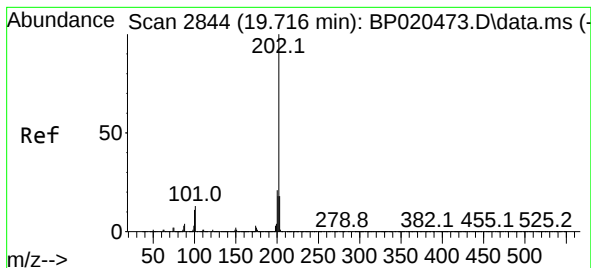


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.651 min Scan# 3173
Delta R.T. -0.018 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12



Tgt Ion:240 Resp: 1398153
Ion Ratio Lower Upper
240 100
120 9.7 8.5 12.7
236 25.9 20.5 30.7





#78

Pyrene

Concen: 19.363 ng

RT: 19.704 min Scan# 2842

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

Tgt Ion:202 Resp: 2036290

Ion Ratio Lower Upper

202 100

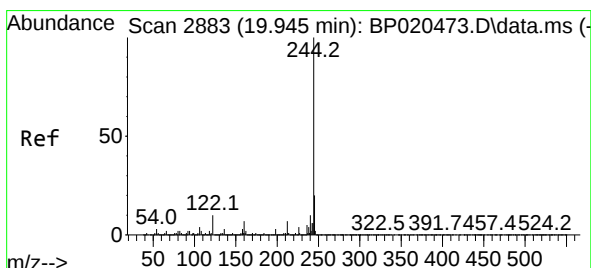
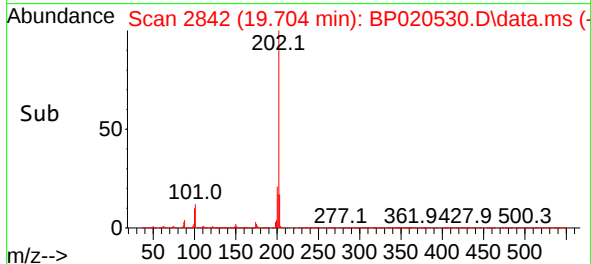
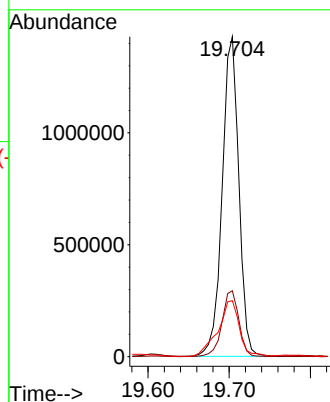
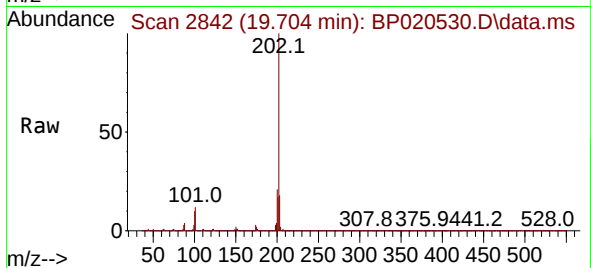
200 20.6 16.9 25.3

203 17.5 14.1 21.1

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Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#79

Terphenyl-d14

Concen: 43.960 ng

RT: 19.933 min Scan# 2881

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

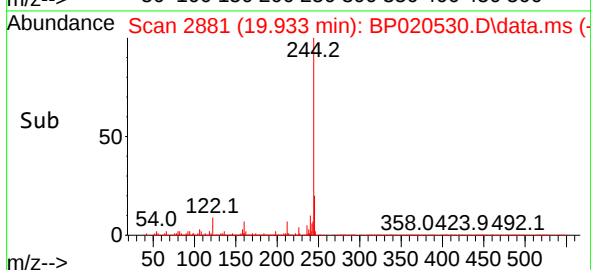
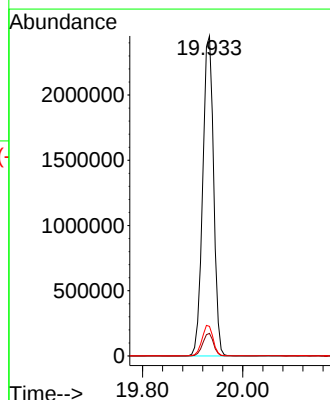
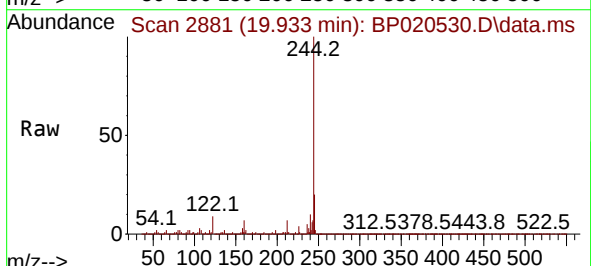
Tgt Ion:244 Resp: 3692093

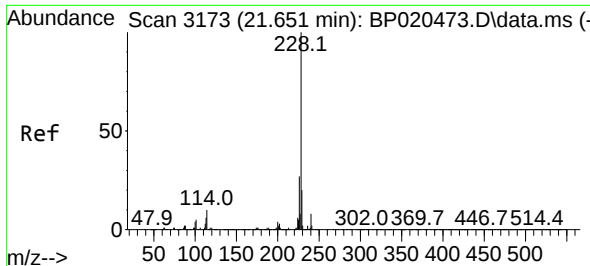
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

122 9.2 8.2 12.2





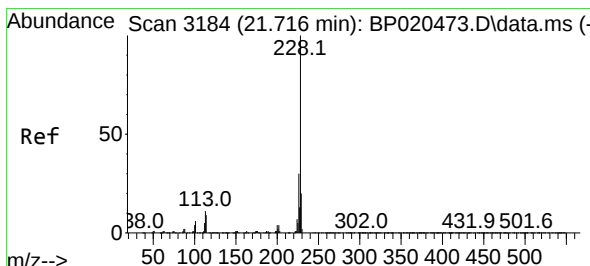
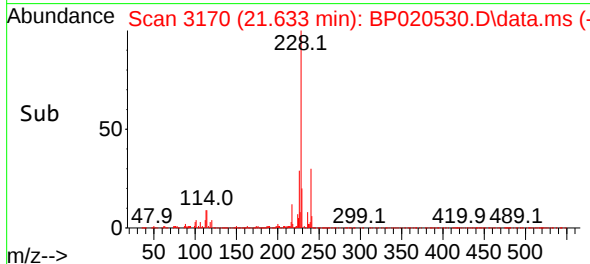
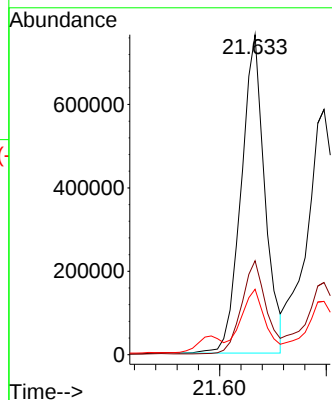
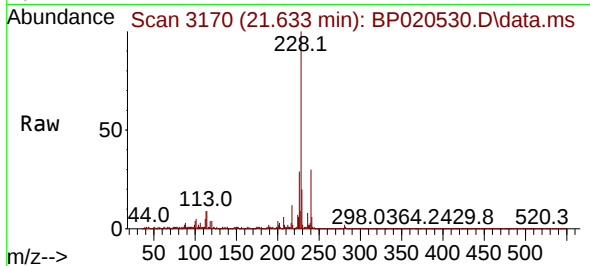
#81
Benzo(a)anthracene
Concen: 12.814 ng
RT: 21.633 min Scan# 3170
Delta R.T. -0.018 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Instrument :
BNA_P
ClientSampleId :
WC-4

Tgt Ion:228 Resp: 1179619
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 20.4 15.8 23.6

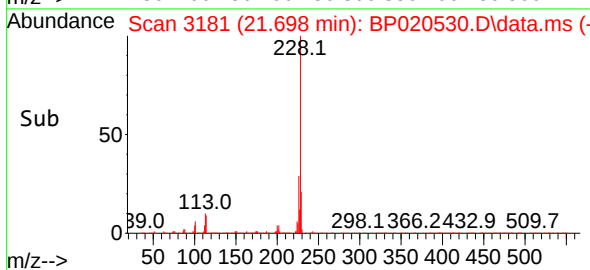
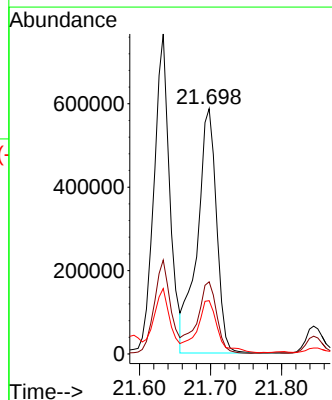
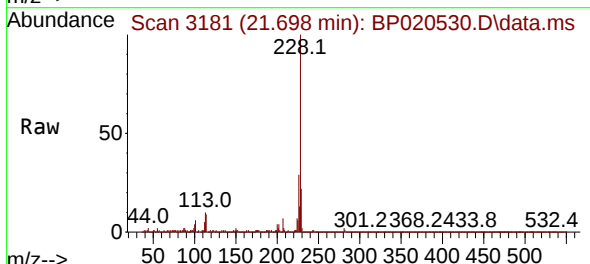
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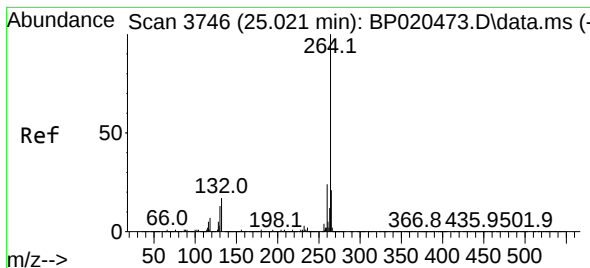
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#83
Chrysene
Concen: 12.749 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.018 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion:228 Resp: 1105929
Ion Ratio Lower Upper
228 100
226 29.4 24.0 36.0
229 21.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.010 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

Tgt Ion:264 Resp: 1605970

Ion Ratio Lower Upper

264 100

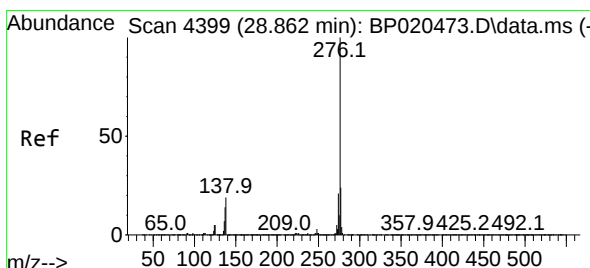
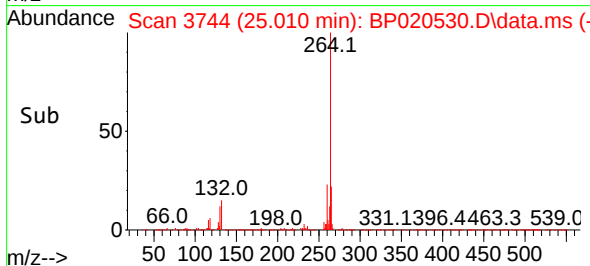
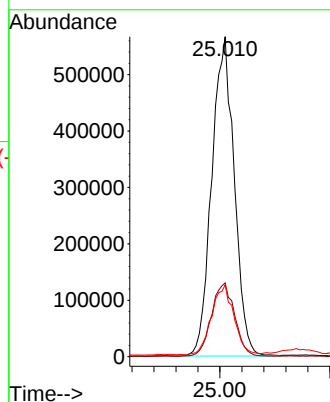
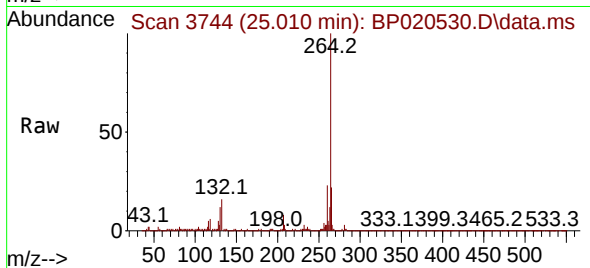
260 23.1 18.9 28.3

265 22.4 17.4 26.0

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Supervised By :mohammad ahmed 06/07/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.228 ng

RT: 28.827 min Scan# 4393

Delta R.T. -0.035 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

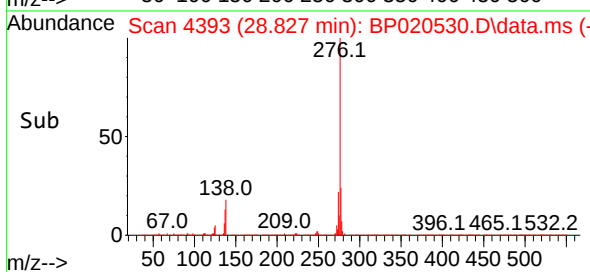
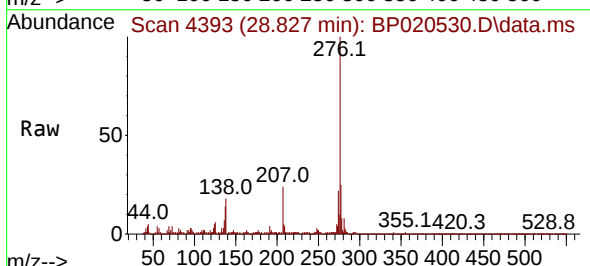
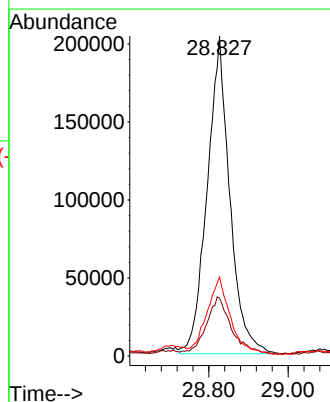
Tgt Ion:276 Resp: 803547

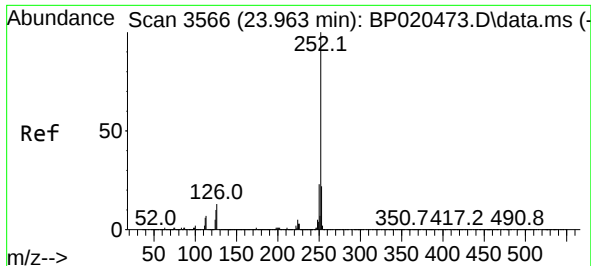
Ion Ratio Lower Upper

276 100

138 20.3 12.8 19.2#

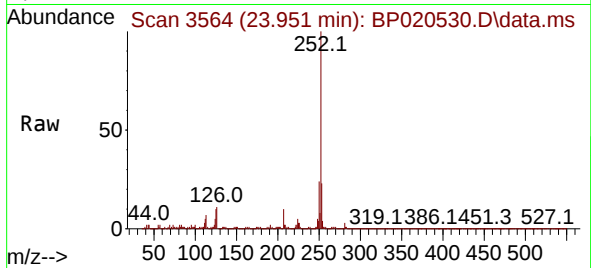
277 25.1 15.6 23.4#





#88
Benzo(b)fluoranthene
Concen: 15.314 ng
RT: 23.951 min Scan# 3564
Delta R.T. -0.012 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

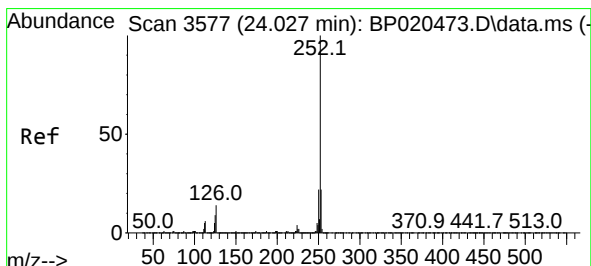
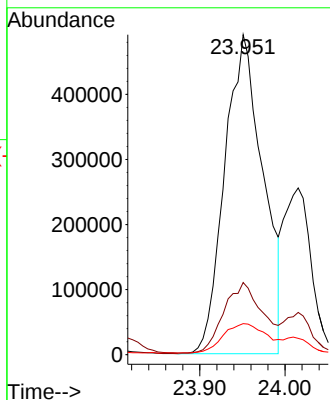
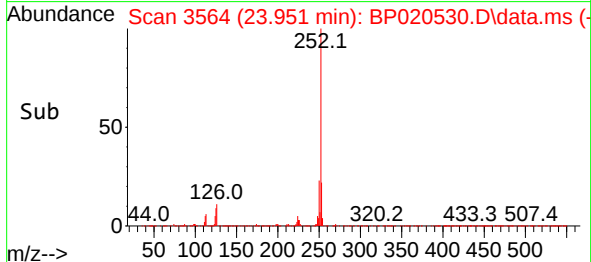
Instrument :
BNA_P
ClientSampleId :
WC-4



Tgt Ion:252 Resp: 1532139
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 9.7 8.0 12.0

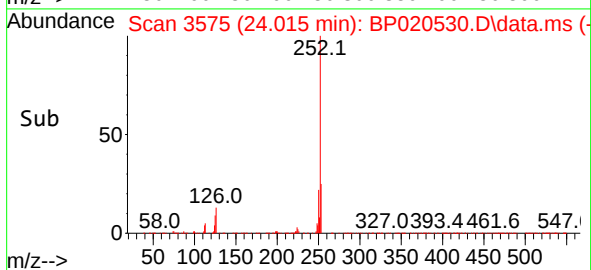
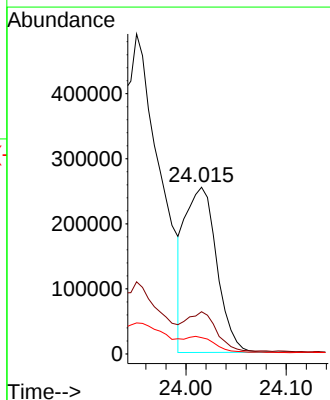
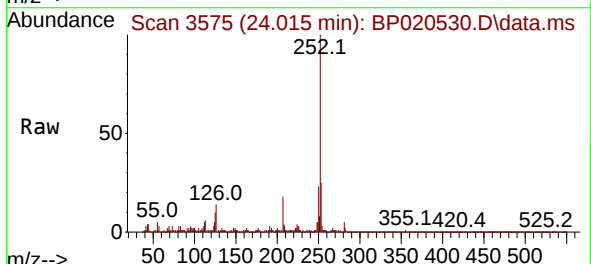
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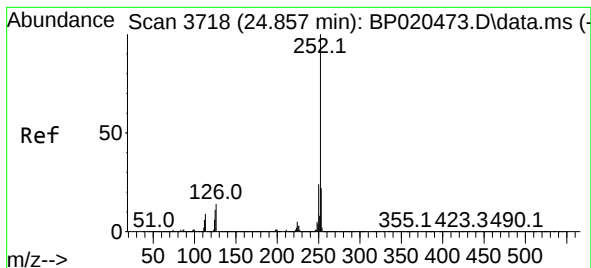
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024



#89
Benzo(k)fluoranthene
Concen: 5.718 ng
RT: 24.015 min Scan# 3575
Delta R.T. -0.012 min
Lab File: BP020530.D
Acq: 06 Jun 2024 00:12

Tgt Ion:252 Resp: 557999
Ion Ratio Lower Upper
252 100
253 25.3 17.7 26.5
125 9.8 7.8 11.6





#90

Benzo(a)pyrene

Concen: 13.684 ng

RT: 24.851 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

Instrument :

BNA_P

ClientSampleId :

WC-4

Tgt Ion:252 Resp: 113382

Ion Ratio Lower Upper

252 100

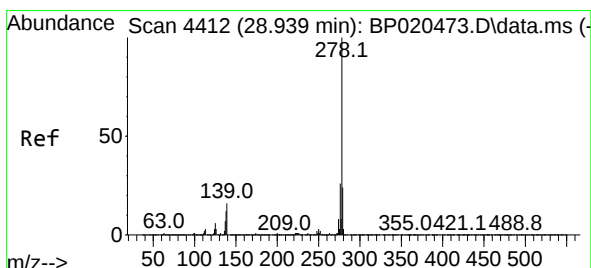
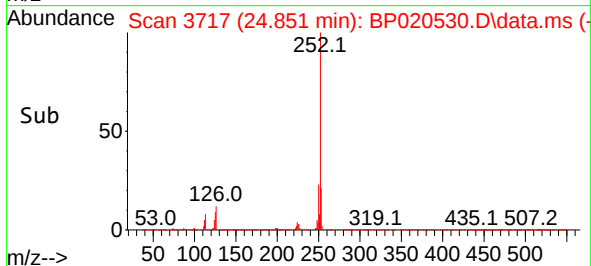
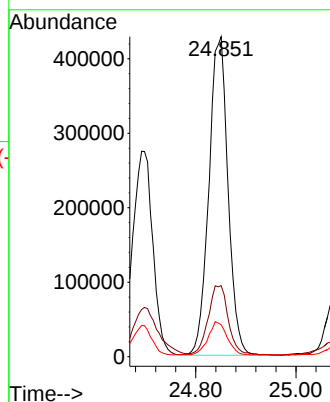
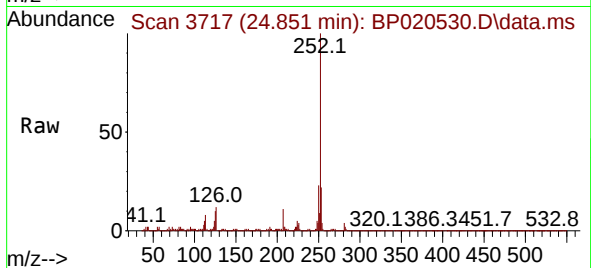
253 22.2 17.4 26.2

125 10.0 8.9 13.3

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Supervised By :mohammad ahmed 06/07/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.455 ng

RT: 28.898 min Scan# 4405

Delta R.T. -0.041 min

Lab File: BP020530.D

Acq: 06 Jun 2024 00:12

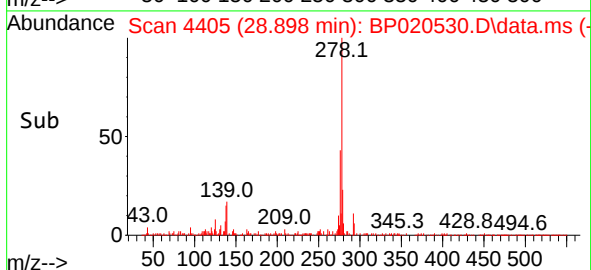
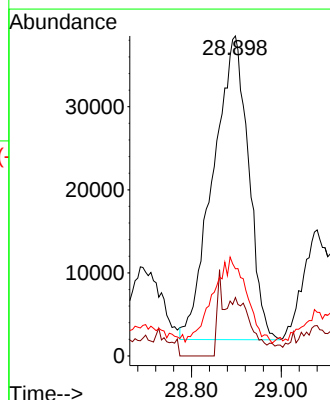
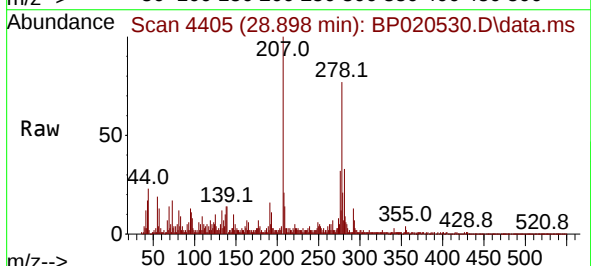
Tgt Ion:278 Resp: 199940

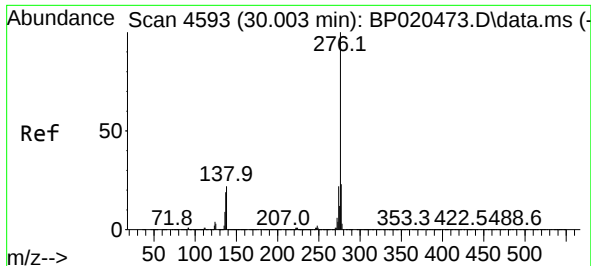
Ion Ratio Lower Upper

278 100

139 18.2 13.0 19.4

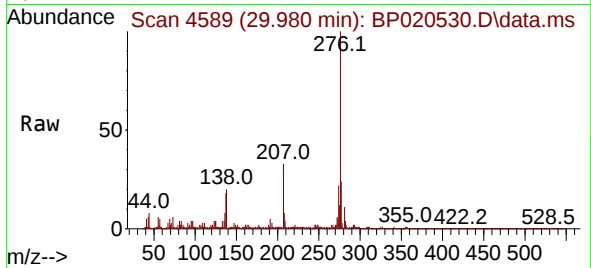
279 27.2 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 9.393 ng
 RT: 29.980 min Scan# 4589
 Delta R.T. -0.024 min
 Lab File: BP020530.D
 Acq: 06 Jun 2024 00:12

Instrument :
 BNA_P
 ClientSampleId :
 WC-4



Tgt Ion: 276 Resp: 76473

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.7	28.1
138	19.5	17.7	26.5

Manual Integrations
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Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

