

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139403.D
 Acq On : 17 Sep 2024 15:41
 Operator : RC/JU
 Sample : P3980-01DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024

Quant Time: Sep 17 16:12:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	63388	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	230117	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	109735	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	143012	20.000	ng	0.00
76) Chrysene-d12	14.027	240	108345	20.000	ng	0.00
86) Perylene-d12	15.498	264	69331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	34940	8.992	ng	0.00
7) Phenol-d6	6.492	99	45814	8.983	ng	-0.01
23) Nitrobenzene-d5	7.434	82	31459	6.427	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	7354	6.295	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	56104	7.171	ng	0.00
79) Terphenyl-d14	12.974	244	39204	5.939	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.939	154	15625	2.356	ng	97
58) Fluorene	10.457	166	15268	2.025	ng	96
71) Phenanthrene	11.416	178	110191	15.970	ng	100
72) Anthracene	11.469	178	34905	5.174	ng	99
75) Fluoranthene	12.604	202	211482	28.701	ng	99
78) Pyrene	12.833	202	177620	19.093	ng	98
81) Benzo(a)anthracene	14.021	228	93824	13.073	ng	99
83) Chrysene	14.057	228	68715	10.407	ng	98
87) Indeno(1,2,3-cd)pyrene	16.962	276	21616	5.243	ng	98
88) Benzo(b)fluoranthene	15.068	252	68372m	15.990	ng	
89) Benzo(k)fluoranthene	15.086	252	22775m	5.777	ng	
90) Benzo(a)pyrene	15.433	252	44383	12.516	ng	97
92) Benzo(g,h,i)perylene	17.404	276	23544	6.980	ng	96

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

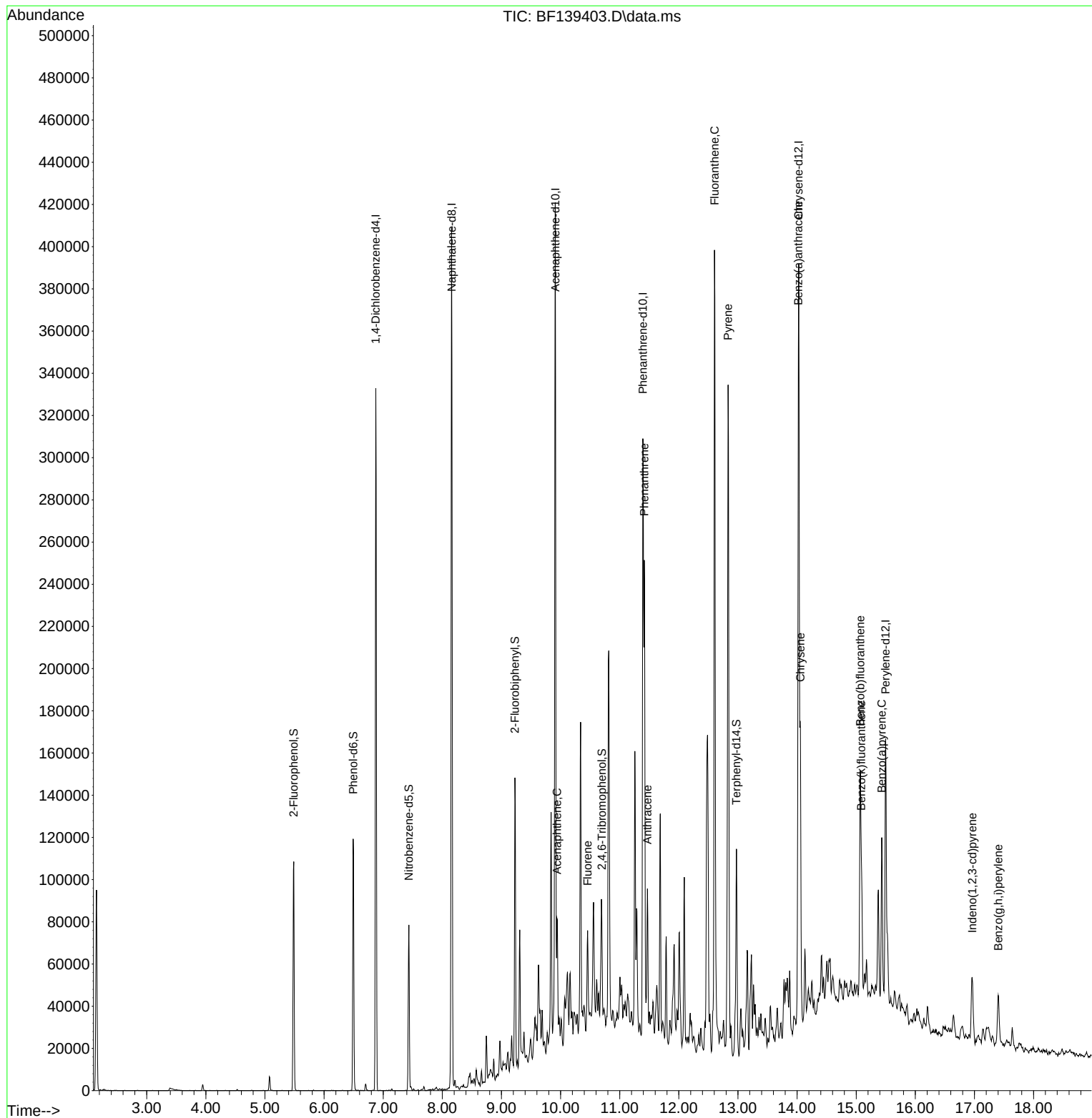
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
Data File : BF139403.D
Acq On : 17 Sep 2024 15:41
Operator : RC/JU
Sample : P3980-01DL 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

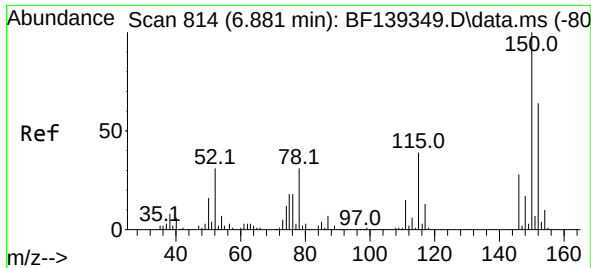
Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL

Quant Time: Sep 17 16:12:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
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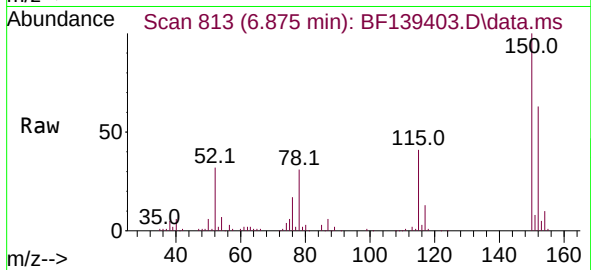
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

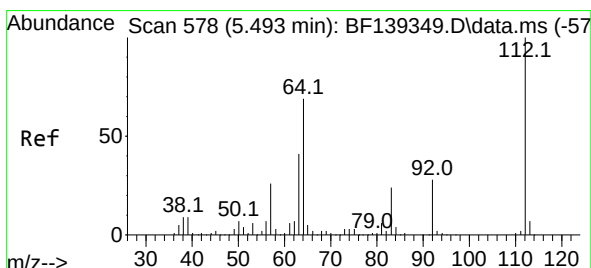
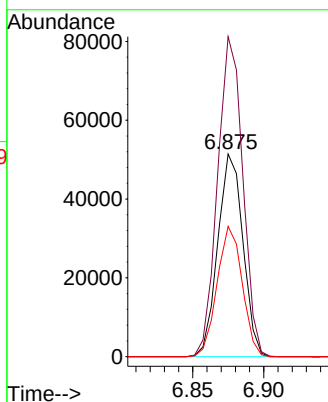
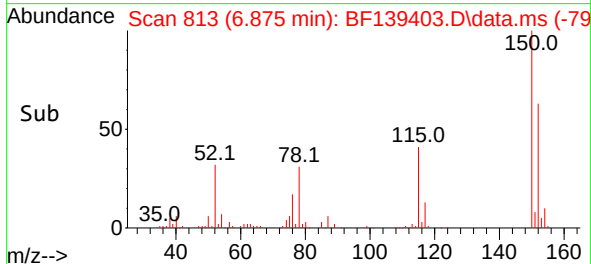


Tgt Ion:152 Resp: 6338
Ion Ratio Lower Upper
152 100
150 157.9 124.1 186.1
115 64.2 48.1 72.1

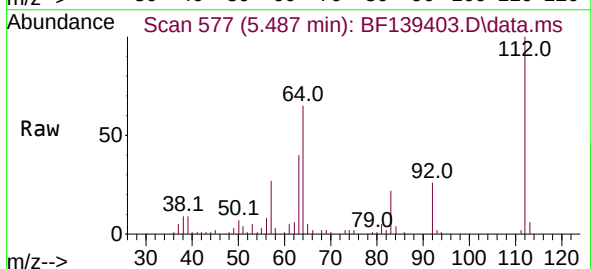
Manual Integrations

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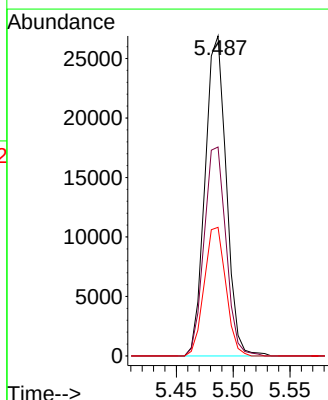
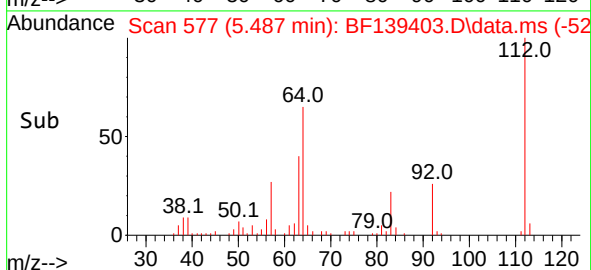
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

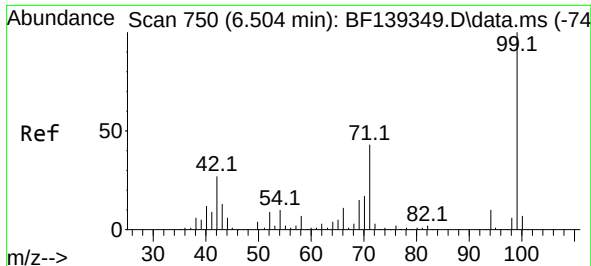


#5
2-Fluorophenol
Concen: 8.992 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41



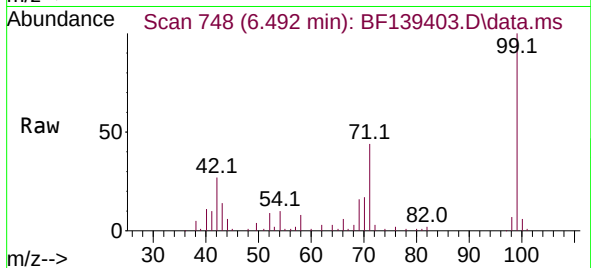
Tgt Ion:112 Resp: 34940
Ion Ratio Lower Upper
112 100
64 65.3 54.8 82.2
63 40.2 33.0 49.4





#7
Phenol-d6
Concen: 8.983 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

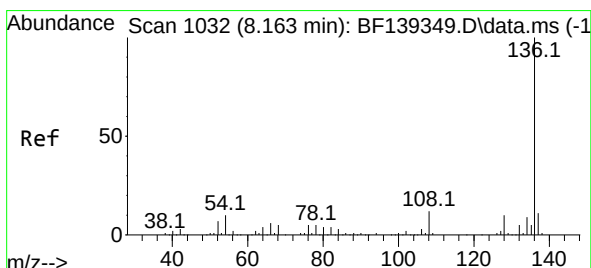
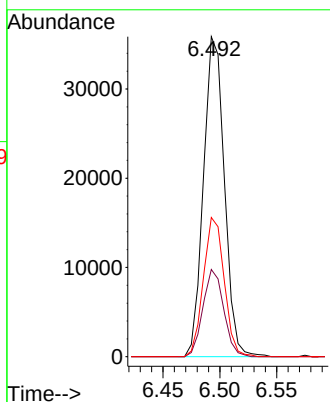
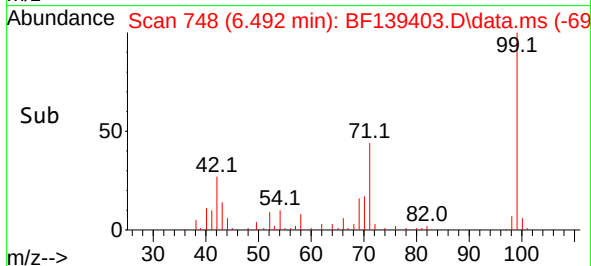
Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL



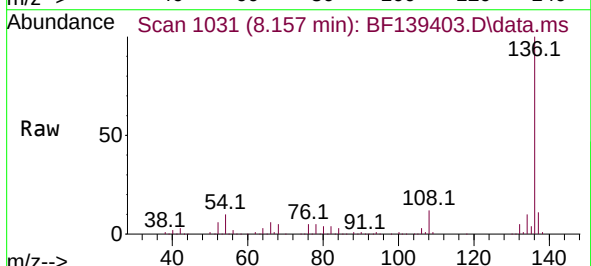
Tgt Ion: 99 Resp: 45814
Ion Ratio Lower Upper
99 100
42 27.2 21.9 32.9
71 43.5 34.6 52.0

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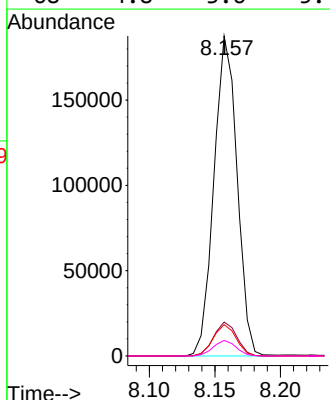
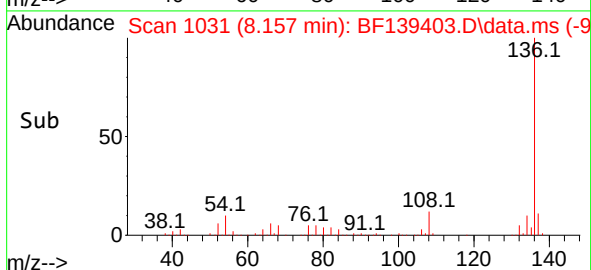
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

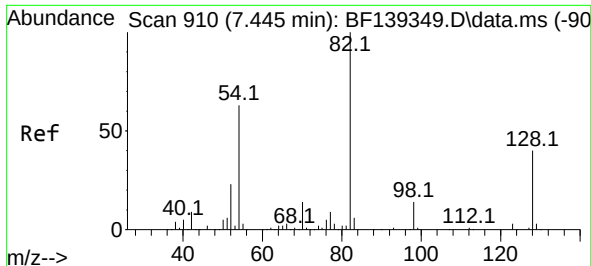


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41



Tgt Ion:136 Resp: 230117
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.8 7.8 11.8
68 4.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 6.427 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF139403.D

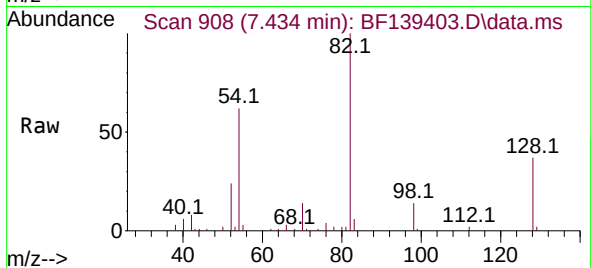
Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL



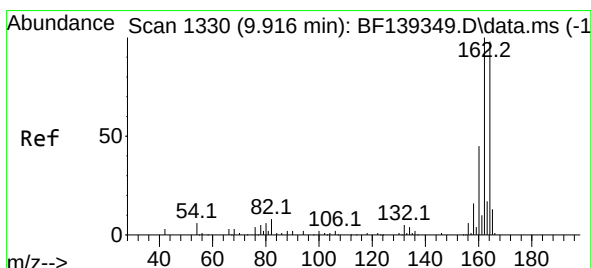
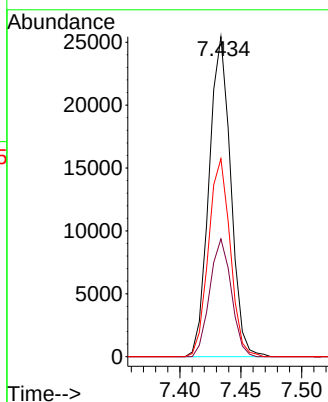
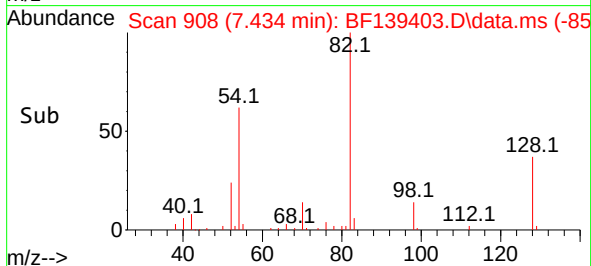
Tgt Ion: 82 Resp: 3145

Ion	Ratio	Lower	Upper
82	100		
128	36.8	31.8	47.6
54	61.8	50.6	75.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

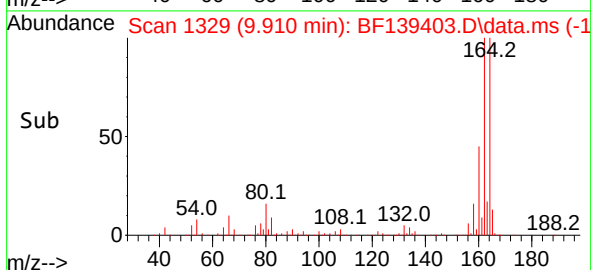
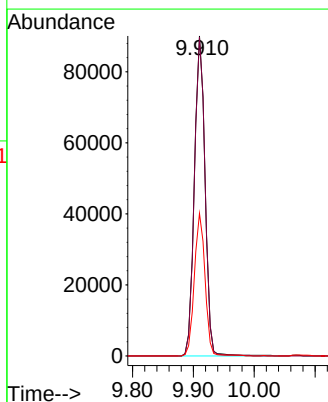
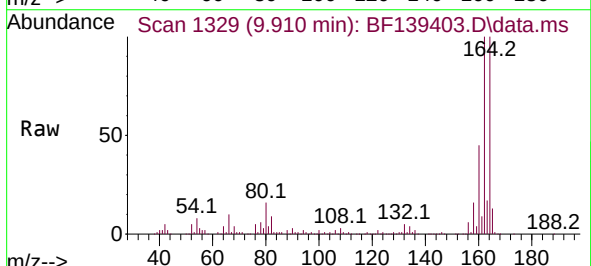
Delta R.T. -0.006 min

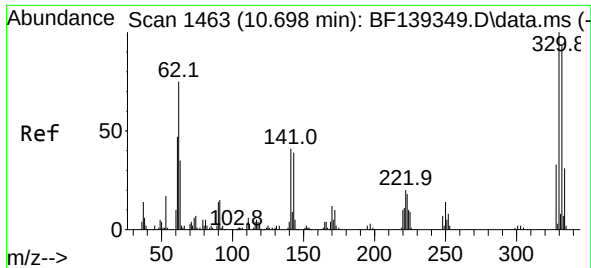
Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Tgt Ion:164 Resp: 109735

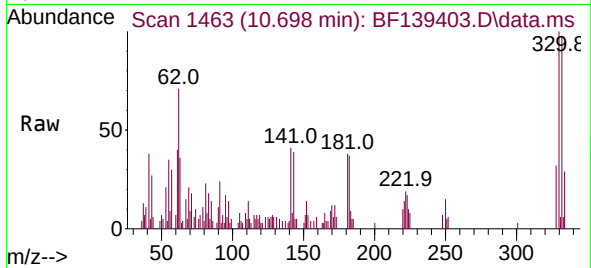
Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.3	121.9
160	44.6	36.4	54.6





#42
2,4,6-Tribromophenol
Concen: 6.295 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

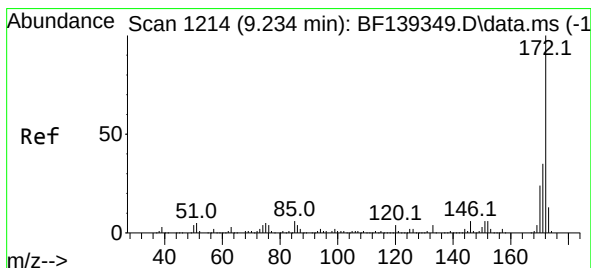
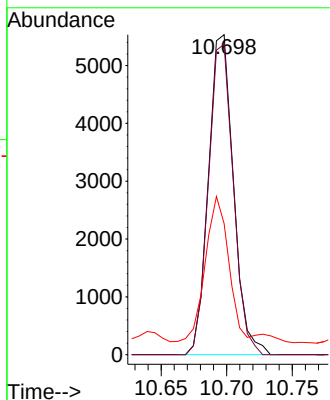
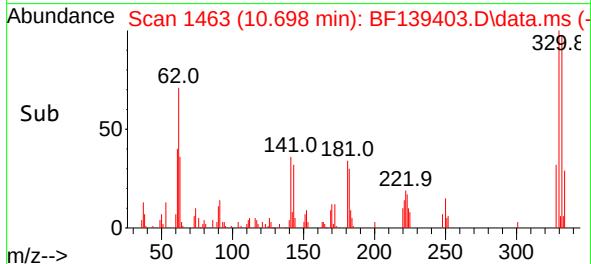
Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL



Tgt Ion: 330 Resp: 7354
Ion Ratio Lower Upper
330 100
332 96.1 75.2 112.8
141 42.7 31.2 46.8

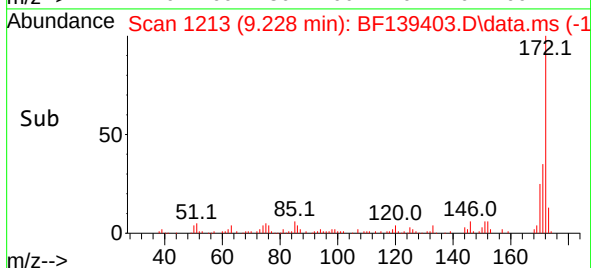
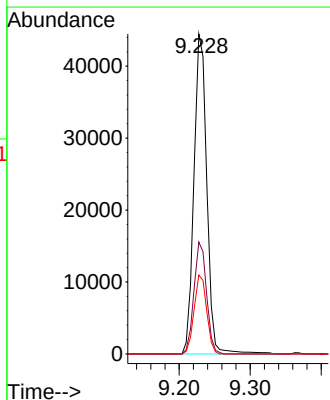
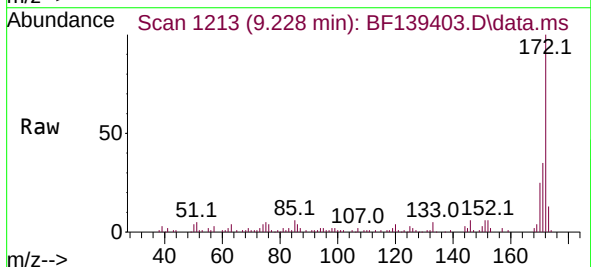
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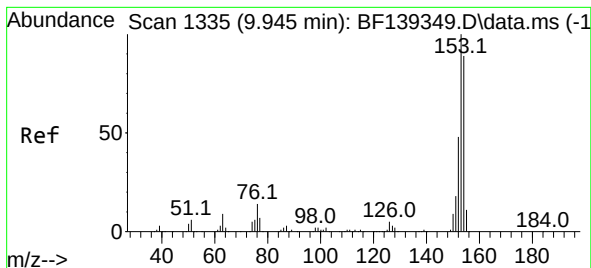
Reviewed By : Jagrut Upadhyay 09/18/2024
Supervised By : mohammad ahmed 09/19/2024



#45
2-Fluorobiphenyl
Concen: 7.171 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Tgt Ion: 172 Resp: 56104
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 24.7 19.0 28.6





#52

Acenaphthene

Concen: 2.356 ng

RT: 9.939 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

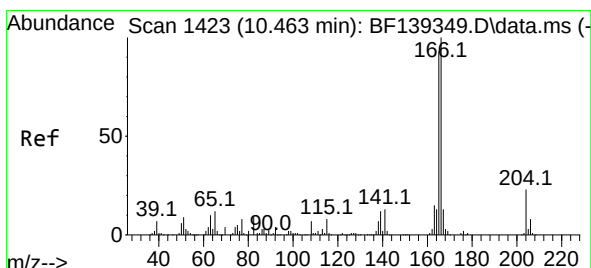
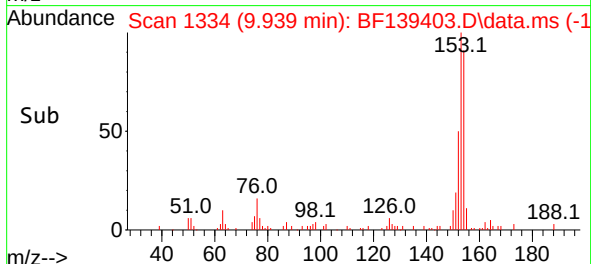
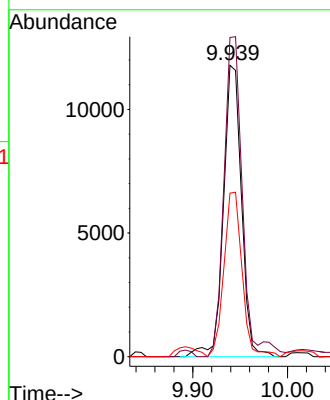
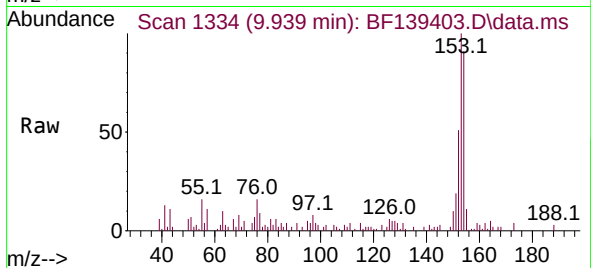
HD-02-091224DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	109.6	89.5	134.3
152	56.1	42.6	64.0

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Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#58

Fluorene

Concen: 2.025 ng

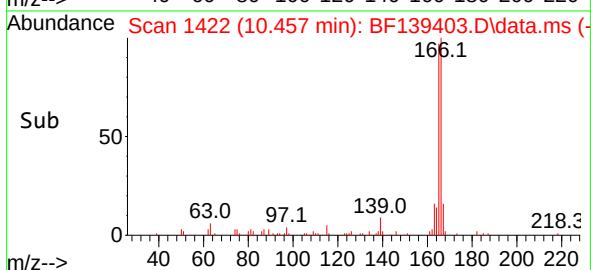
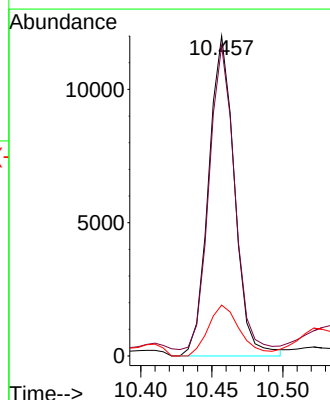
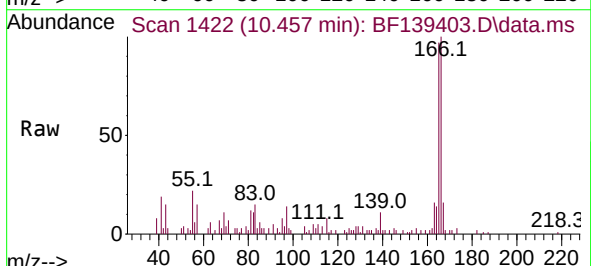
RT: 10.457 min Scan# 1422

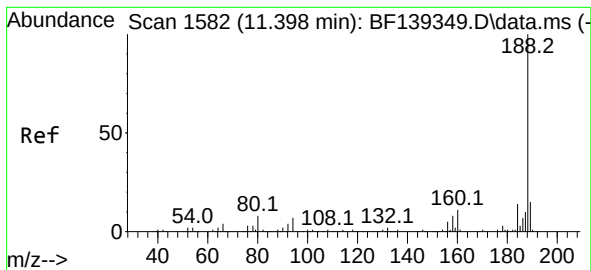
Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.0	74.5	111.7
167	15.9	10.6	16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

Tgt Ion:188 Resp: 14301

Ion Ratio Lower Upper

188 100

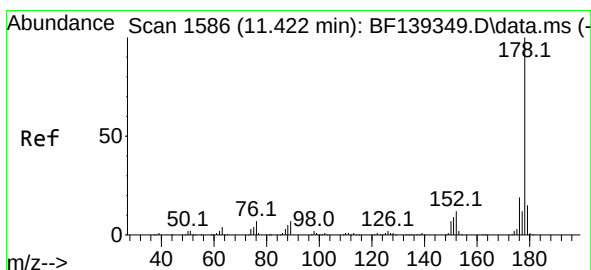
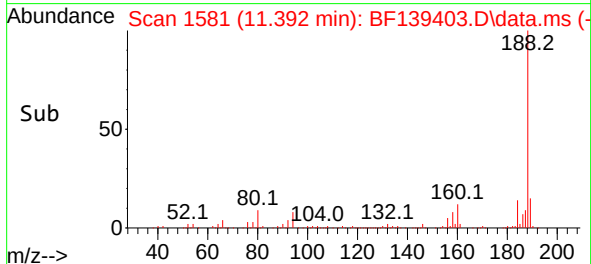
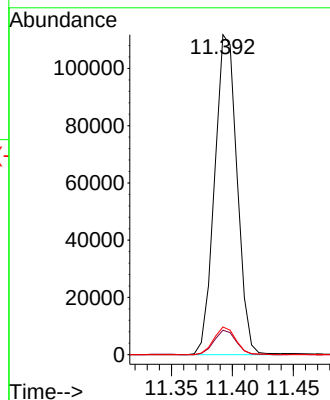
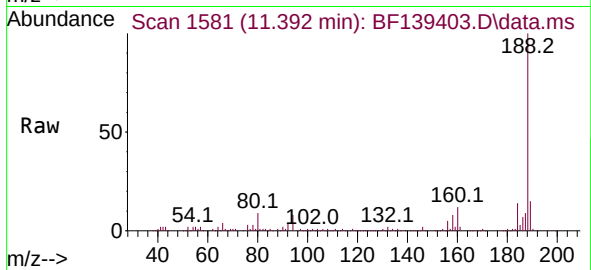
94 7.6 5.5 8.3

80 8.7 6.6 9.8

Manual Integrations

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Supervised By :mohammad ahmed 09/19/2024



#71

Phenanthrene

Concen: 15.970 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

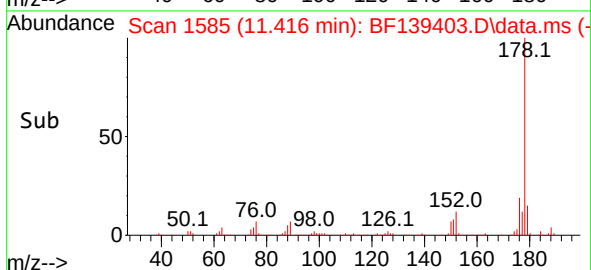
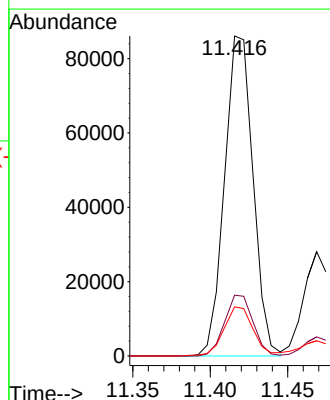
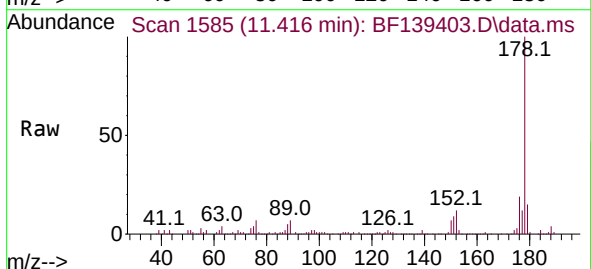
Tgt Ion:178 Resp: 110191

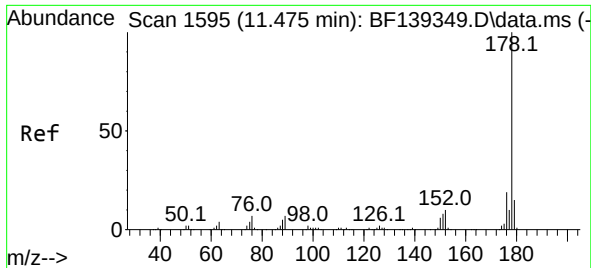
Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

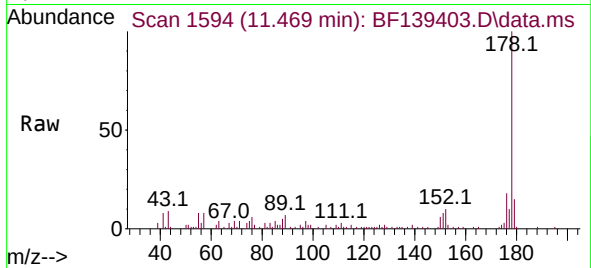
179 15.4 12.2 18.4





#72
 Anthracene
 Concen: 5.174 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF139403.D
 Acq: 17 Sep 2024 15:41

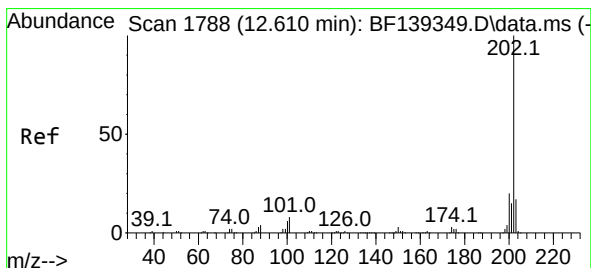
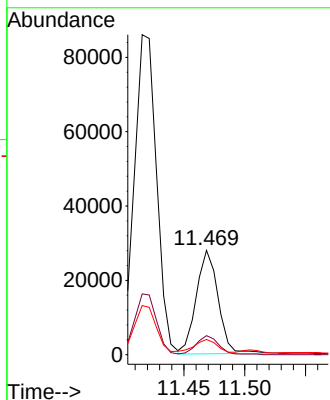
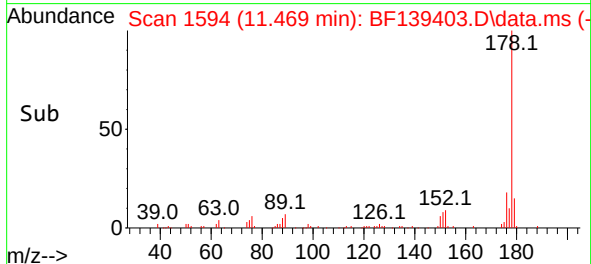
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-091224DL



Tgt Ion:178 Resp: 3490
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.6
 179 14.6 12.0 18.0

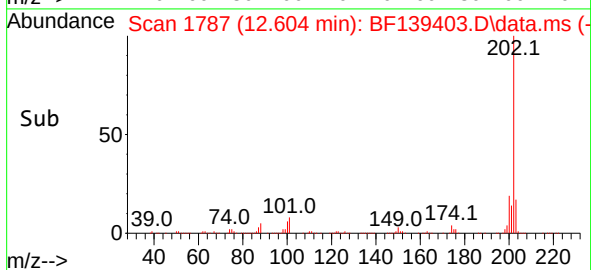
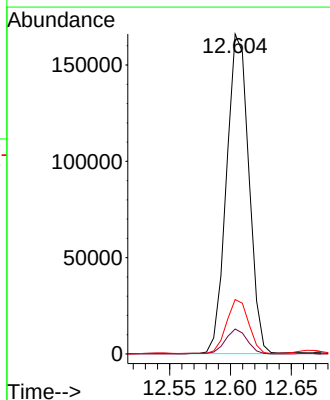
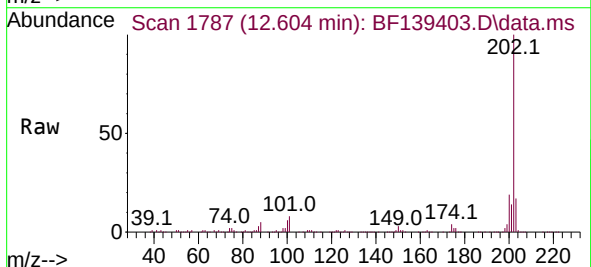
Manual Integrations
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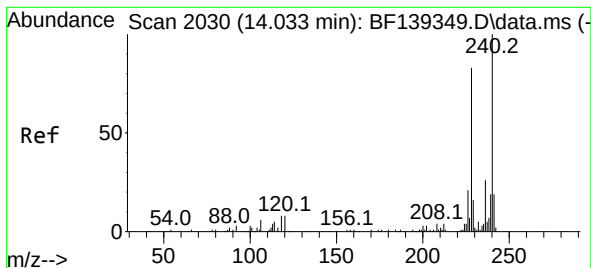
Reviewed By :Jagrut Upadhyay 09/18/2024
 Supervised By :mohammad ahmed 09/19/2024



#75
 Fluoranthene
 Concen: 28.701 ng
 RT: 12.604 min Scan# 1787
 Delta R.T. -0.006 min
 Lab File: BF139403.D
 Acq: 17 Sep 2024 15:41

Tgt Ion:202 Resp: 211482
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 27.7
 203 17.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

HD-02-091224DL

Tgt Ion:240 Resp: 10834

Ion Ratio Lower Upper

240 100

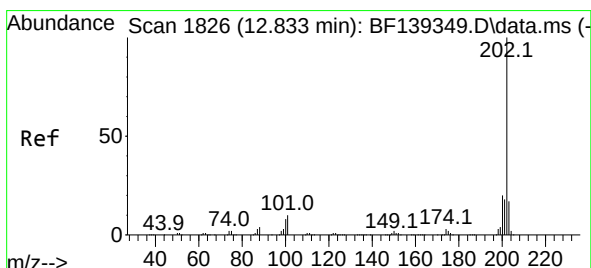
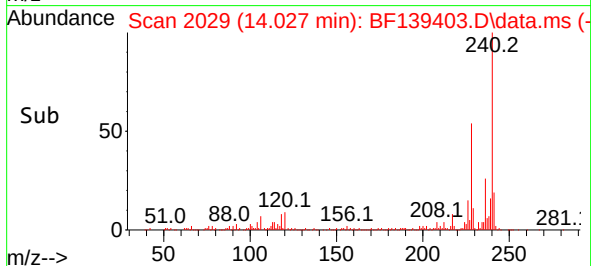
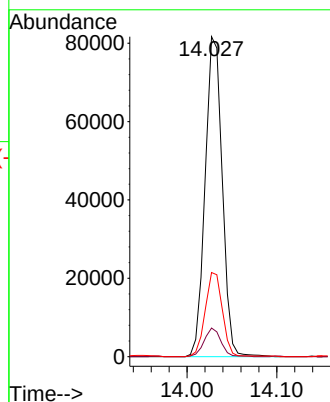
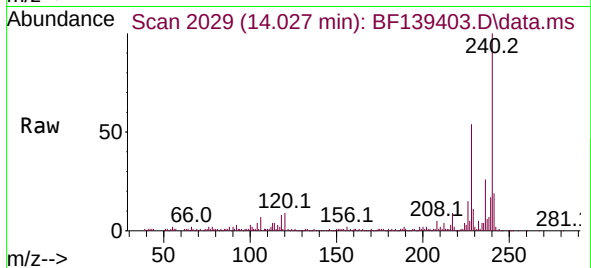
120 8.9 6.2 9.2

236 26.3 20.9 31.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#78

Pyrene

Concen: 19.093 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.000 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

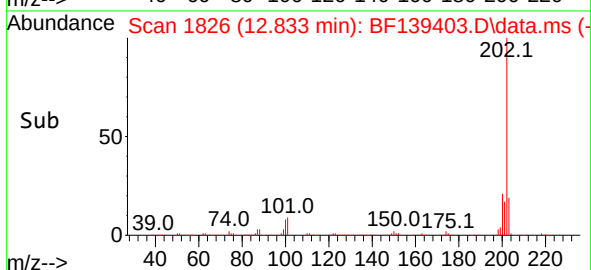
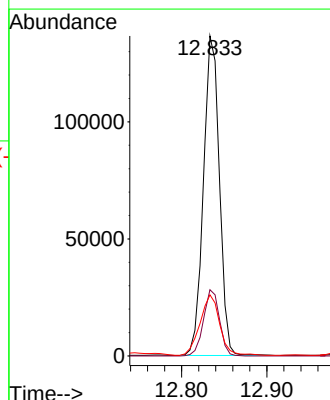
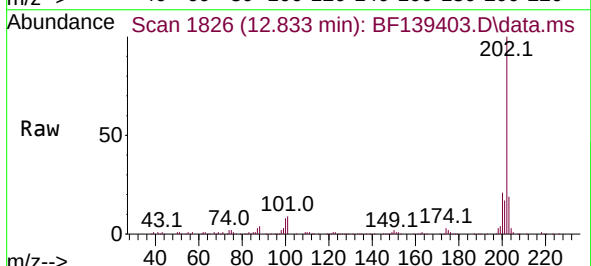
Tgt Ion:202 Resp: 177620

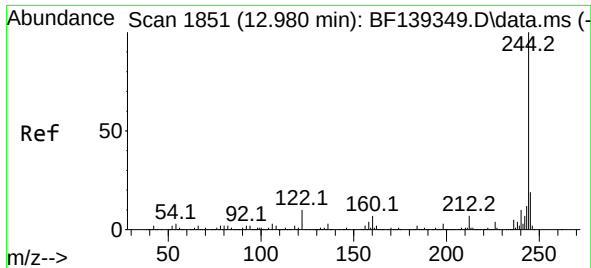
Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.2

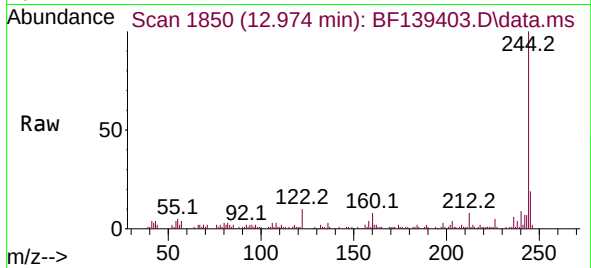
203 19.1 13.9 20.9





#79
Terphenyl-d14
Concen: 5.939 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

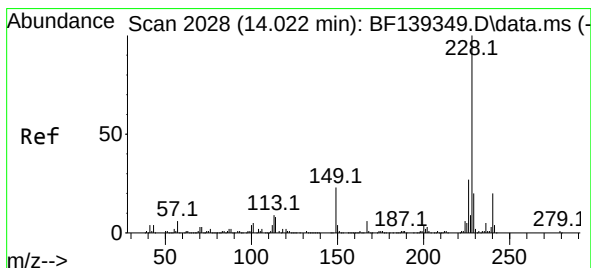
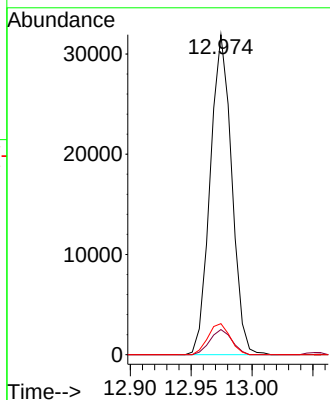
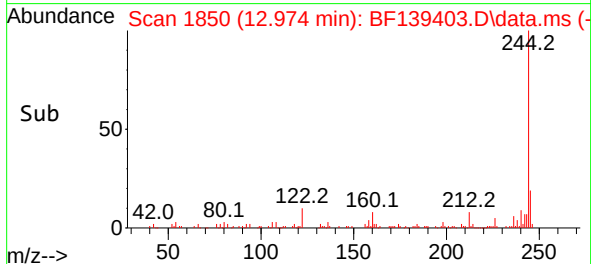
Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL



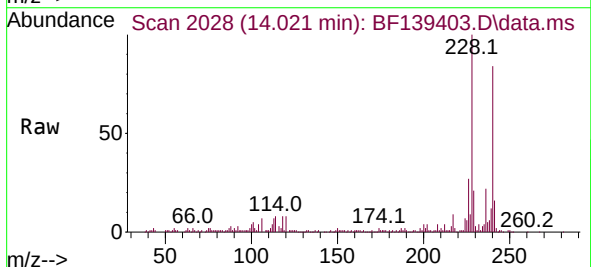
Tgt Ion:244 Resp: 39204
Ion Ratio Lower Upper
244 100
212 7.9 6.0 9.0
122 9.7 7.6 11.4

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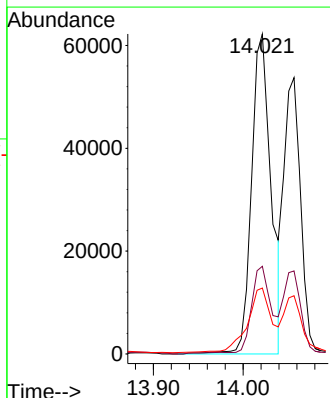
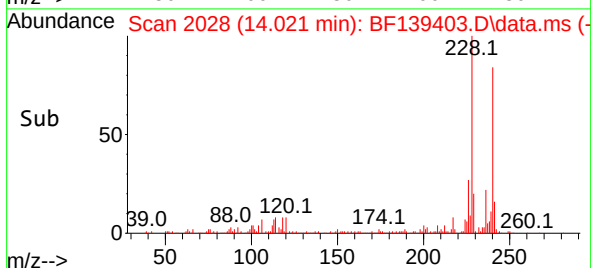
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

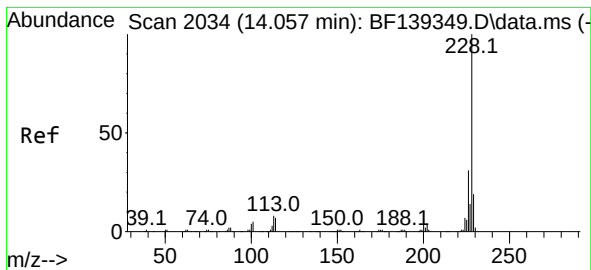


#81
Benzo(a)anthracene
Concen: 13.073 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41



Tgt Ion:228 Resp: 93824
Ion Ratio Lower Upper
228 100
226 27.4 21.6 32.4
229 20.6 15.7 23.5





#83

Chrysene

Concen: 10.407 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

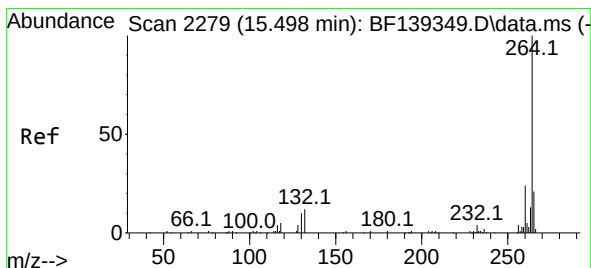
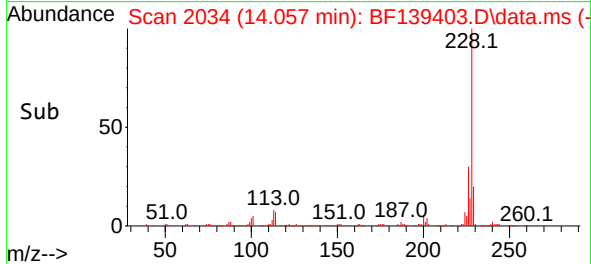
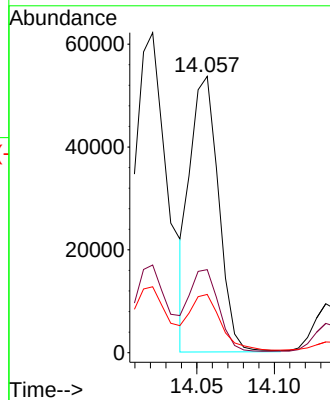
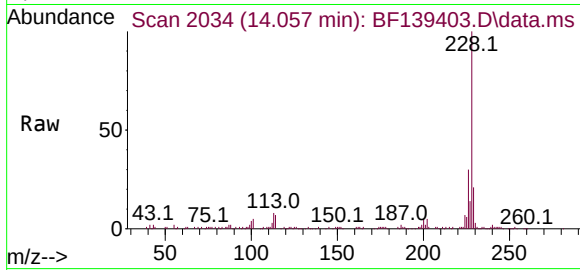
HD-02-091224DL

Tgt Ion:	228	Resp:	6871
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.1	36.1
229	21.1	15.4	23.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#86

Perylene-d12

Concen: 20.000 ng

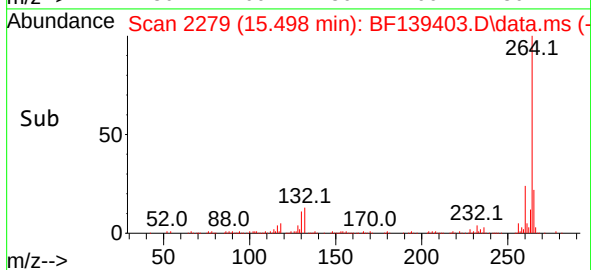
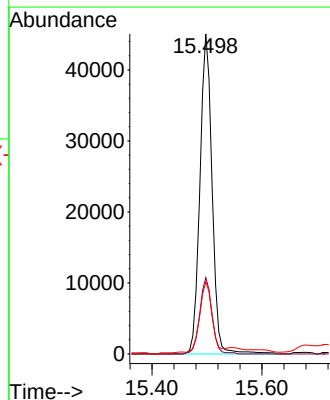
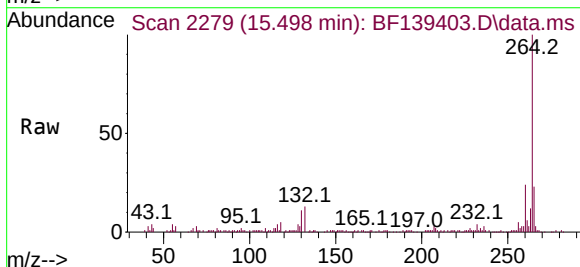
RT: 15.498 min Scan# 2279

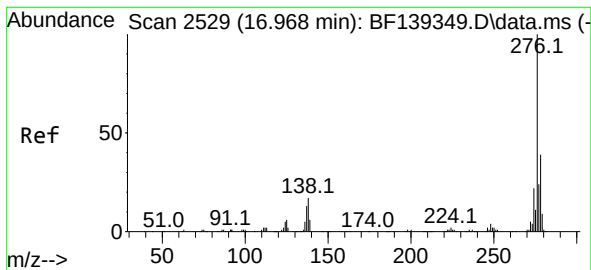
Delta R.T. -0.000 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Tgt Ion:	264	Resp:	69331
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.5	29.3
265	22.6	16.6	25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.243 ng

RT: 16.962 min Scan# 21610

Delta R.T. -0.006 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

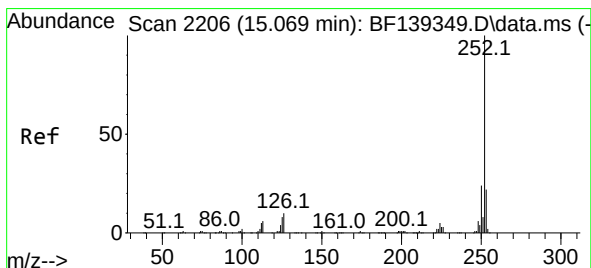
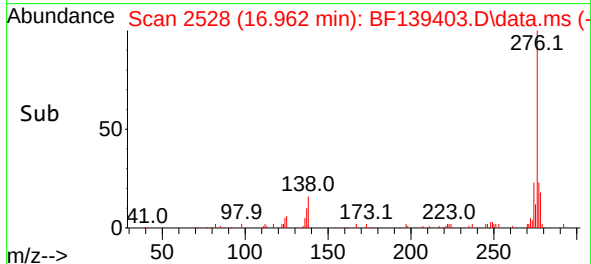
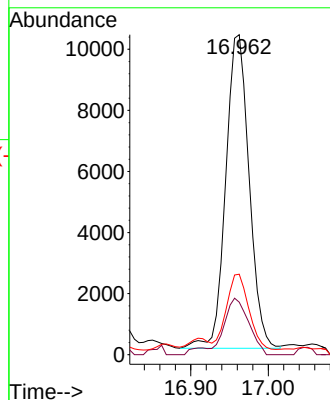
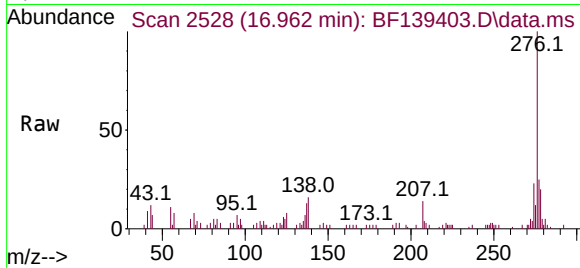
HD-02-091224DL

Tgt Ion:	276	Resp:	21610
Ion Ratio	Lower	Upper	
276	100		
138	18.7	15.4	23.2
277	24.5	20.4	30.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#88

Benzo(b)fluoranthene

Concen: 15.990 ng m

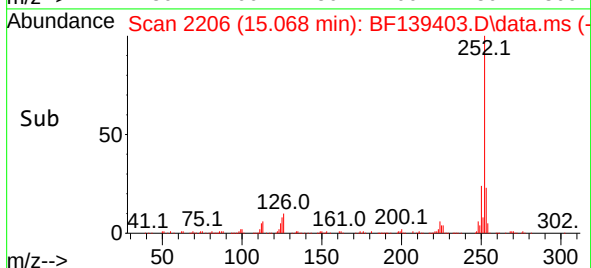
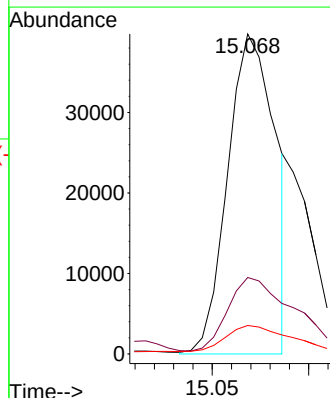
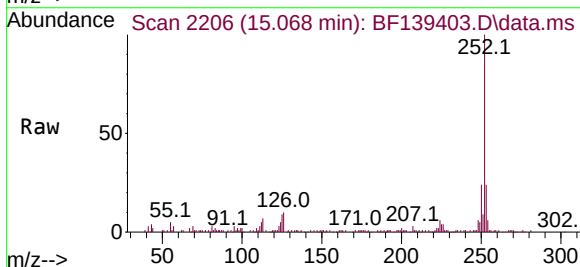
RT: 15.068 min Scan# 2206

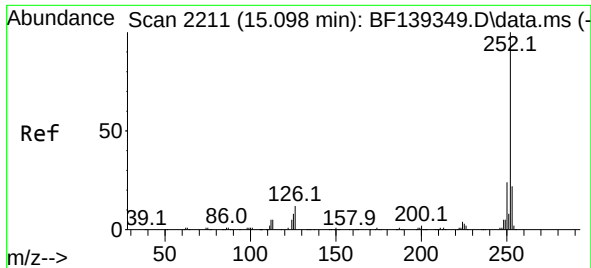
Delta R.T. -0.000 min

Lab File: BF139403.D

Acq: 17 Sep 2024 15:41

Tgt Ion:	252	Resp:	68372
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	8.9	6.2	9.2





#89
Benzo(k)fluoranthene
Concen: 5.777 ng m
RT: 15.086 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Instrument :

BNA_F

ClientSampleId :

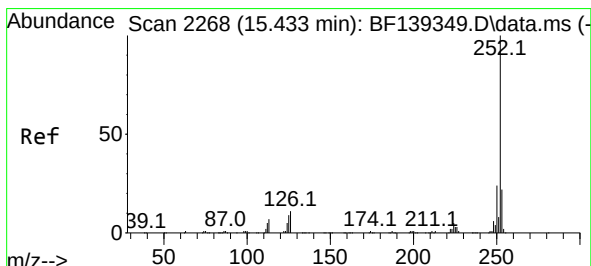
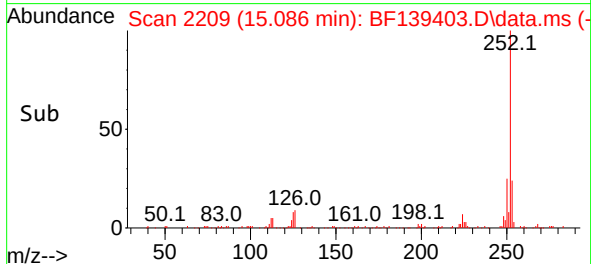
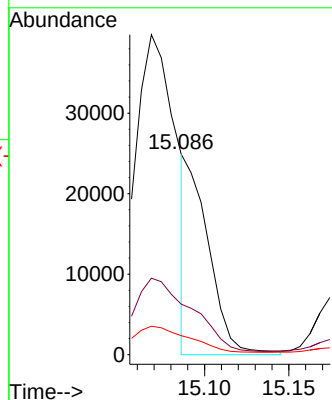
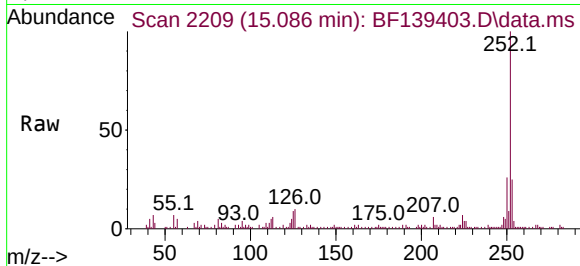
HD-02-091224DL

Tgt Ion:252 Resp: 22775
Ion Ratio Lower Upper
252 100
253 25.2 17.3 25.9
125 9.5 5.9 8.9

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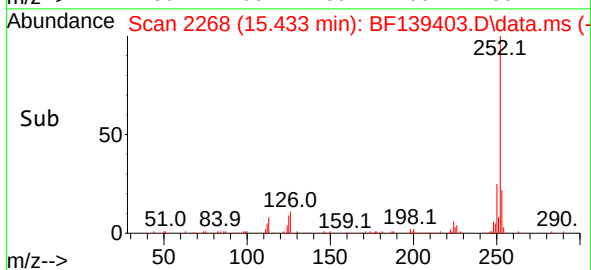
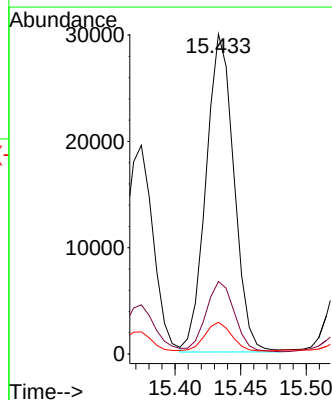
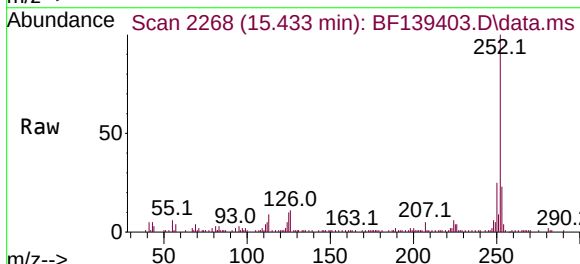
APPROVED

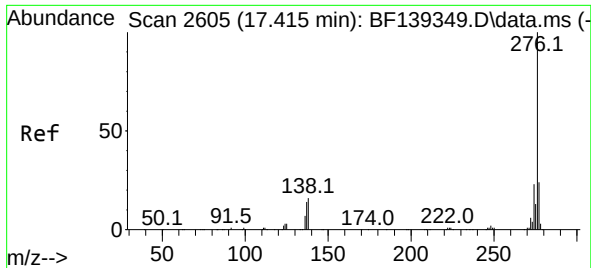
Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024



#90
Benzo(a)pyrene
Concen: 12.516 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.000 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

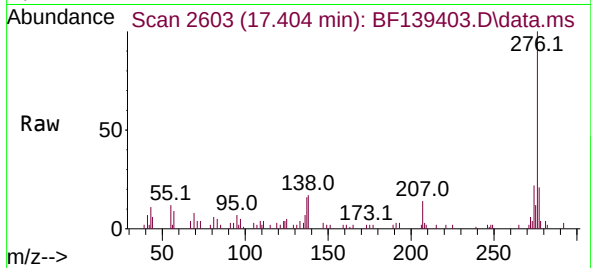
Tgt Ion:252 Resp: 44383
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 9.9 6.8 10.2





#92
Benzo(g,h,i)perylene
Concen: 6.980 ng
RT: 17.404 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF139403.D
Acq: 17 Sep 2024 15:41

Instrument :
BNA_F
ClientSampleId :
HD-02-091224DL



Tgt Ion:	276	Resp:	23544
Ion Ratio	Lower	Upper	
276	100		
277	20.9	18.9	28.3
138	17.1	13.0	19.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024
Supervised By :mohammad ahmed 09/19/2024

