

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134351.D
 Acq On : 18 Jul 2023 22:29
 Operator : CG\JU
 Sample : 03597-02DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(5-7)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 19 01:42:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	63003	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	241747	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	114718	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	196214	20.000	ng	0.00
76) Chrysene-d12	14.027	240	138886	20.000	ng	-0.01
86) Perylene-d12	15.533	264	135895	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	83159	22.079	ng	0.00
7) Phenol-d6	6.475	99	103659	22.379	ng	-0.01
23) Nitrobenzene-d5	7.392	82	69117	15.412	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	30592	21.269	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	143411	18.175	ng	-0.02
79) Terphenyl-d14	12.963	244	120718	13.989	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.904	154	25288	3.789	ng	97
58) Fluorene	10.422	166	21533	2.654	ng	# 95
71) Phenanthrene	11.392	178	361123	36.559	ng	99
72) Anthracene	11.445	178	55864	5.437	ng	98
75) Fluoranthene	12.592	202	168007	15.733	ng	98
78) Pyrene	12.821	202	254662	19.703	ng	99
81) Benzo(a)anthracene	14.021	228	94143	9.774	ng	99
83) Chrysene	14.057	228	91301	9.787	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	19961	2.117	ng	95
88) Benzo(b)fluoranthene	15.092	252	61919m	7.749	ng	
89) Benzo(k)fluoranthene	15.115	252	20775m	2.554	ng	
90) Benzo(a)pyrene	15.468	252	47691	6.172	ng	98
92) Benzo(g,h,i)perylene	17.551	276	21316	2.684	ng	# 95

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

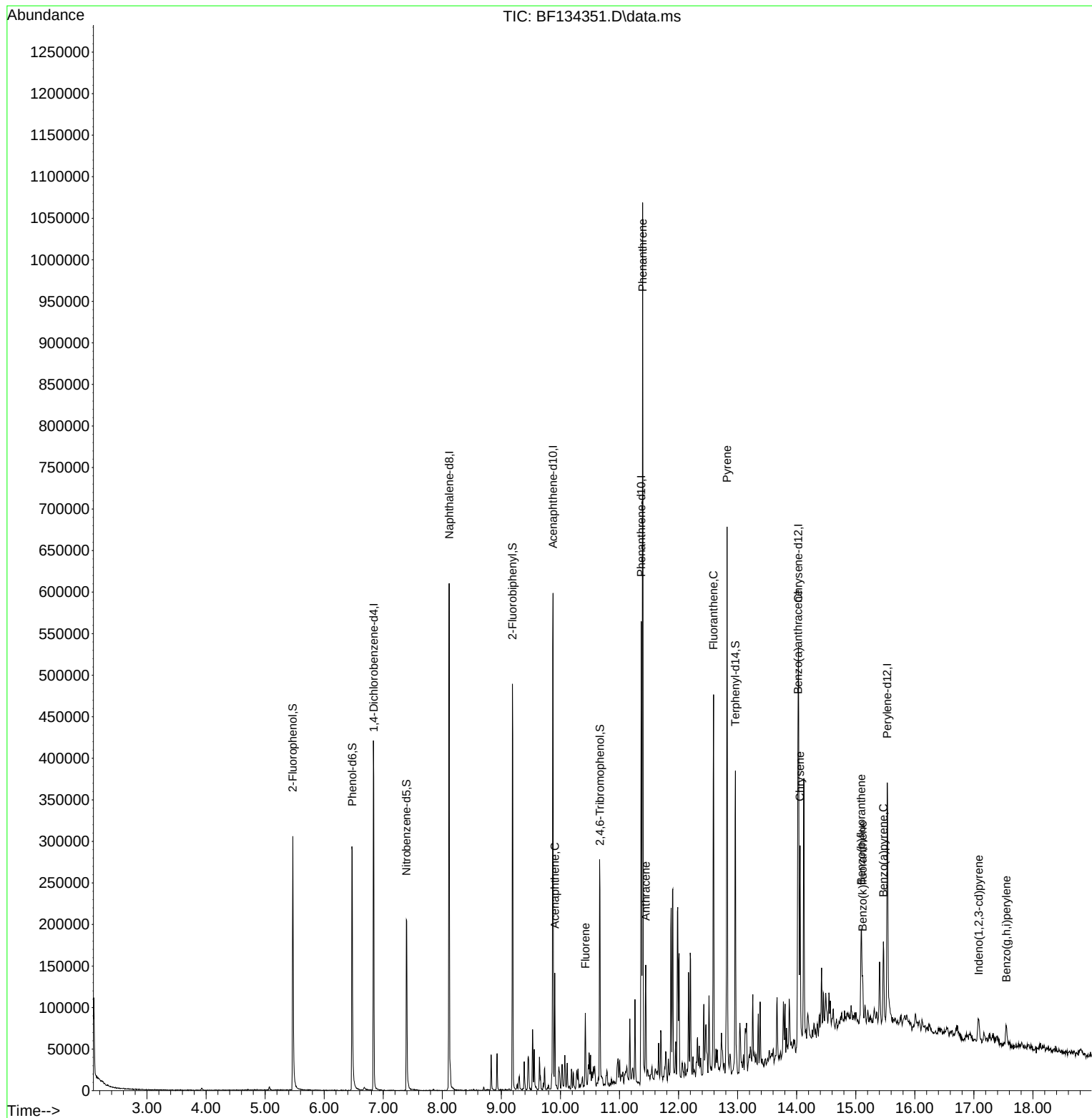
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
Data File : BF134351.D
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Sample : 03597-02DL 5X
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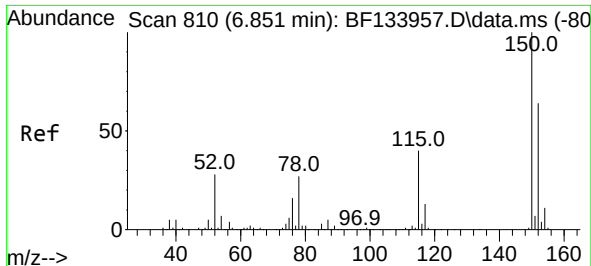
Instrument :
BNA_F
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RB-42-(5-7)DL

Quant Time: Jul 19 01:42:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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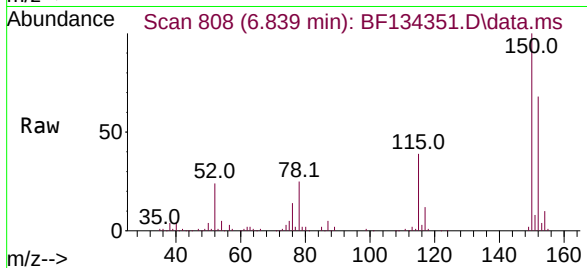
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL



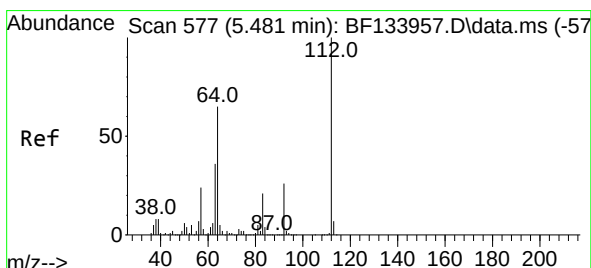
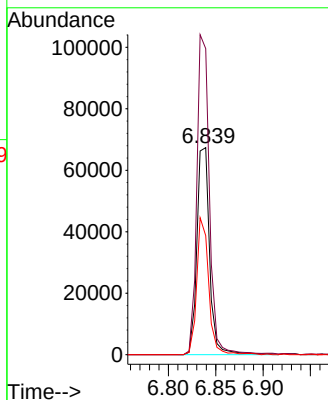
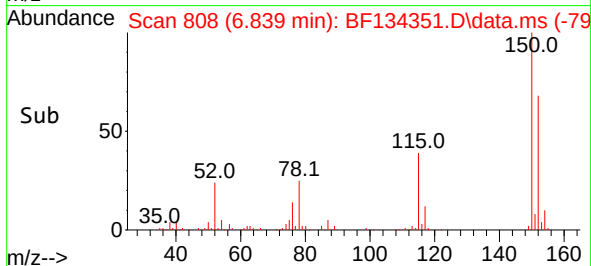
Tgt Ion:152 Resp: 6300
Ion Ratio Lower Upper
152 100
150 147.9 124.5 186.7
115 57.5 50.2 75.2

Manual Integrations

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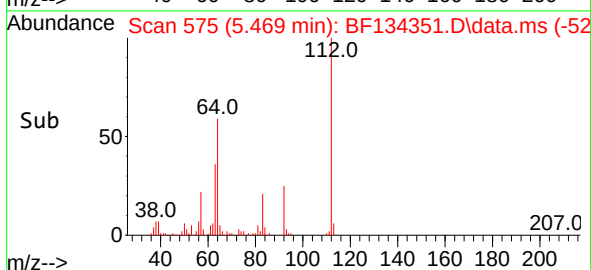
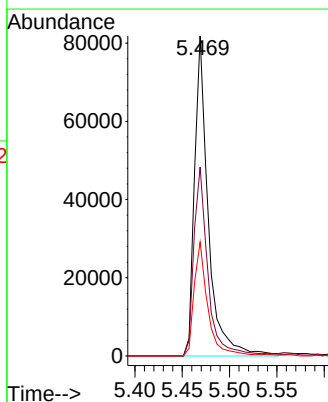
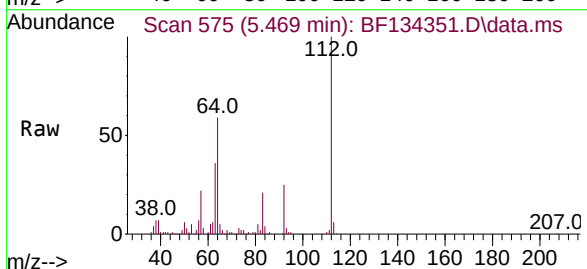
Reviewed By :Yogesh Patel 07/19/2023

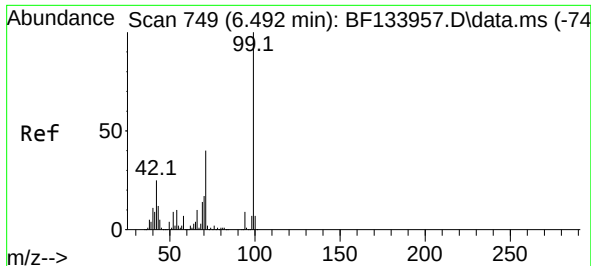
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 22.079 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

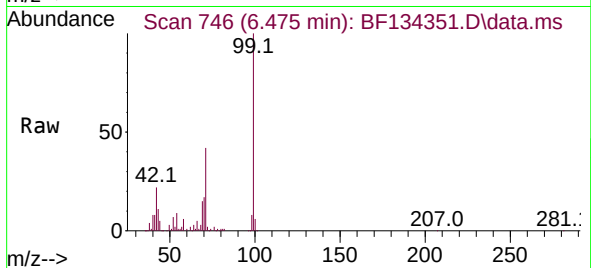
Tgt Ion:112 Resp: 83159
Ion Ratio Lower Upper
112 100
64 59.0 52.1 78.1
63 35.6 28.6 42.8





#7
Phenol-d6
Concen: 22.379 ng
RT: 6.475 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

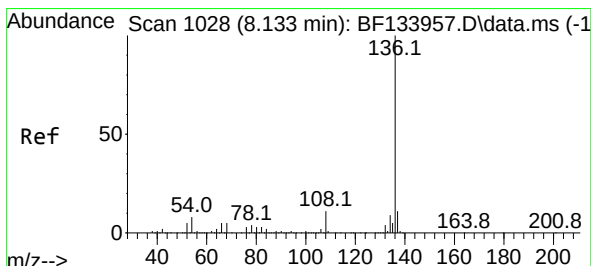
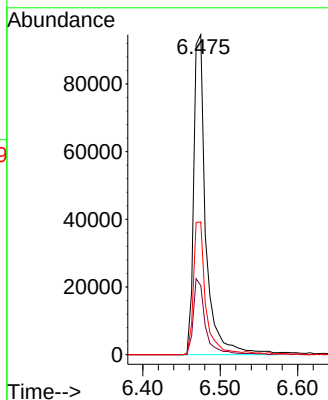
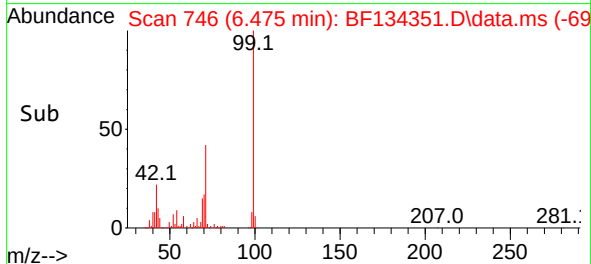
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL



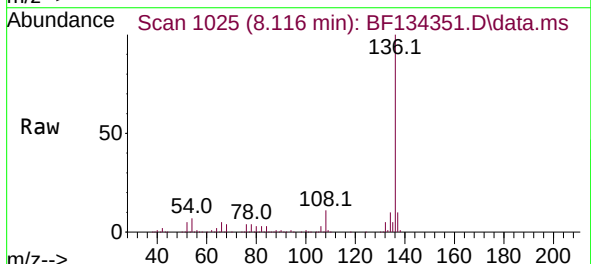
Tgt Ion: 99 Resp: 103659
Ion Ratio Lower Upper
99 100
42 21.6 19.8 29.6
71 41.5 31.9 47.9

Manual Integrations
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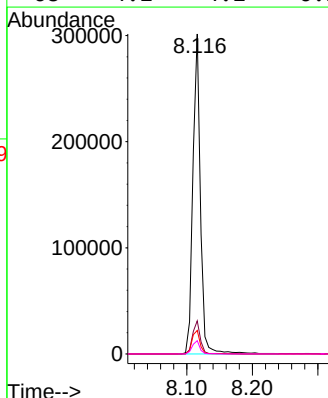
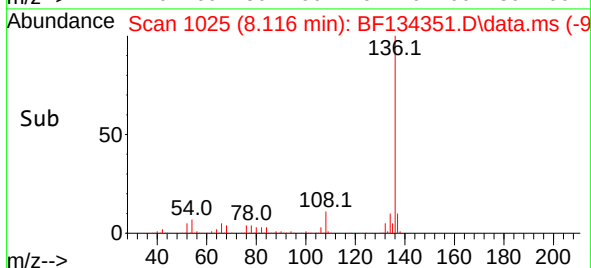
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

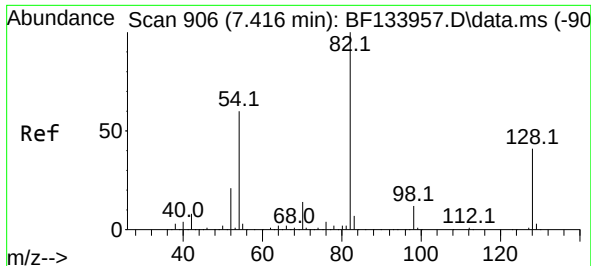


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29



Tgt Ion:136 Resp: 241747
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 7.3 6.5 9.7
68 4.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 15.412 ng

RT: 7.392 min Scan# 906

Delta R.T. -0.018 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

Tgt Ion: 82 Resp: 6911

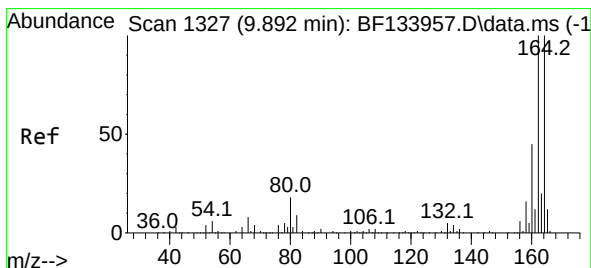
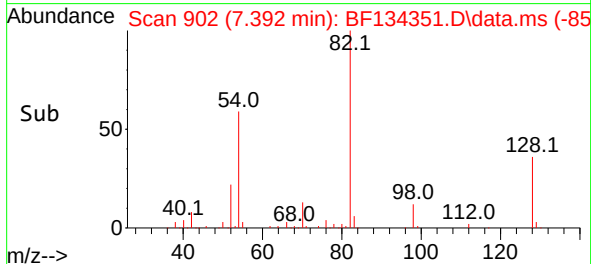
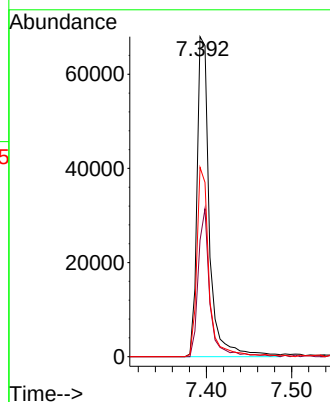
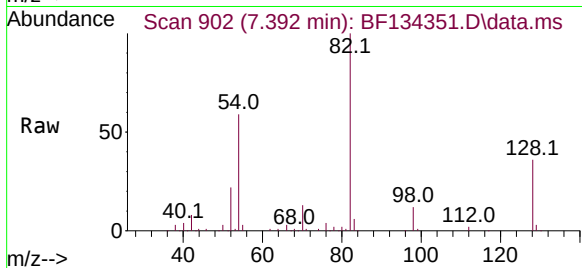
Ion	Ratio	Lower	Upper
82	100		
128	36.4	32.5	48.7
54	59.2	48.2	72.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

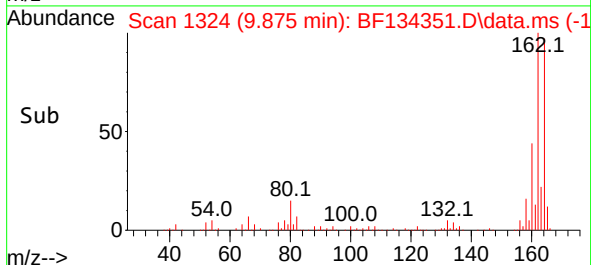
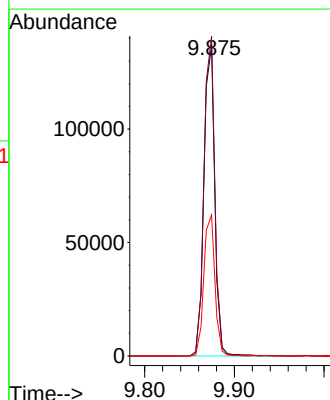
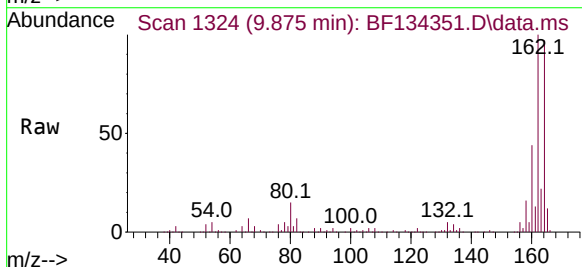
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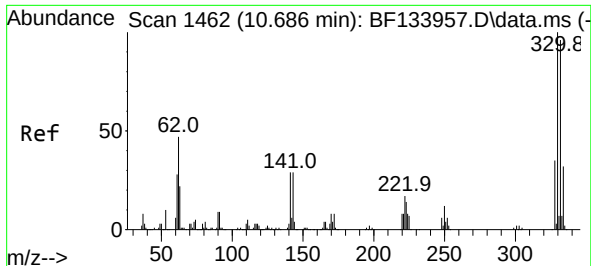
Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Tgt Ion:164 Resp: 114718

Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.0	120.0
160	45.4	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 21.269 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

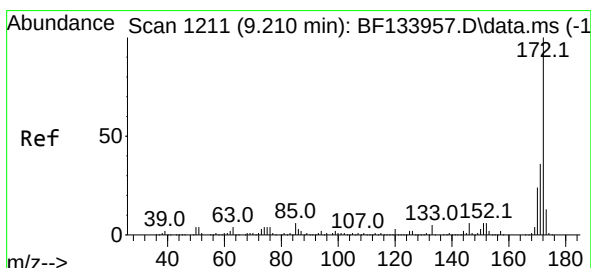
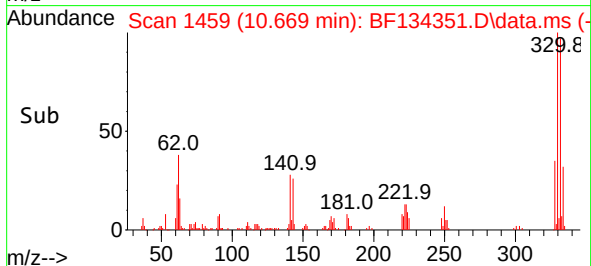
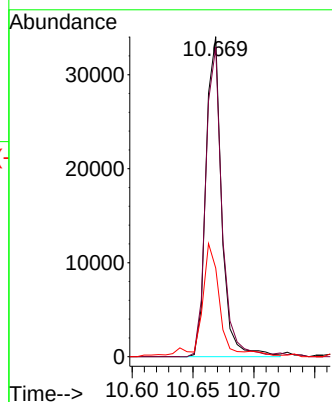
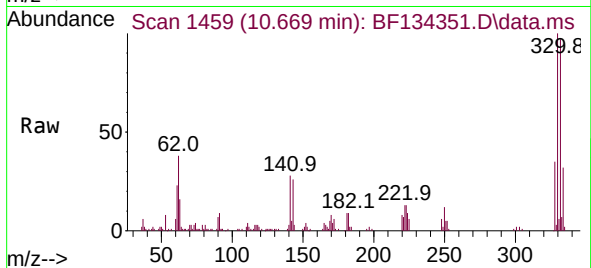
Tgt Ion:330 Resp: 30592
Ion Ratio Lower Upper
330 100
332 100.1 77.0 115.6
141 41.0 26.3 39.5

Manual Integrations

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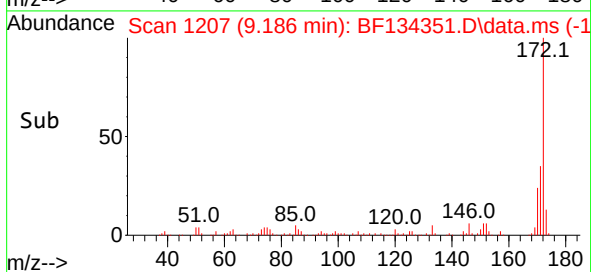
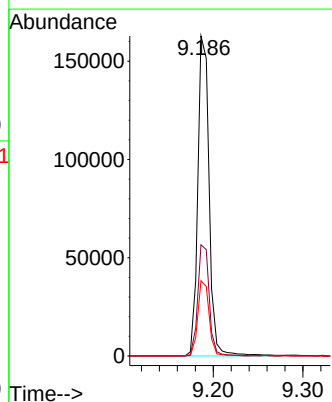
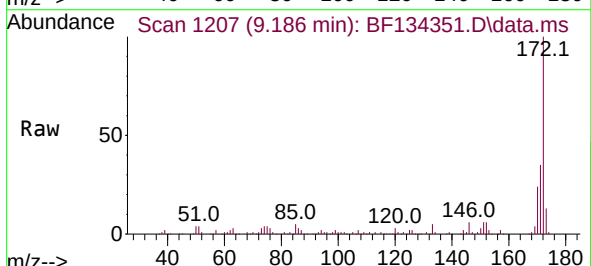
Reviewed By :Yogesh Patel 07/19/2023

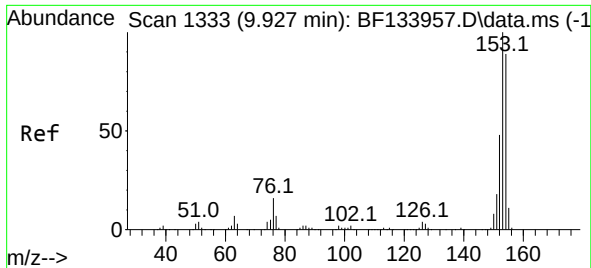
Supervised By :mohammad ahmed 07/19/2023



#45
2-Fluorobiphenyl
Concen: 18.175 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.018 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:172 Resp: 143411
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 23.5 19.4 29.0





#52
Acenaphthene
Concen: 3.789 ng
RT: 9.904 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

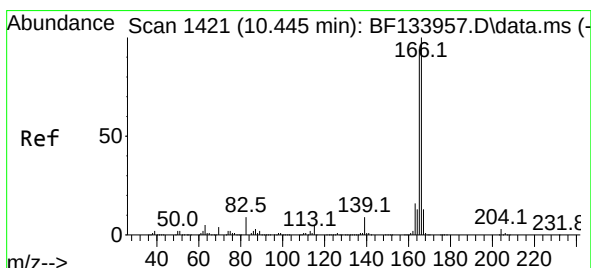
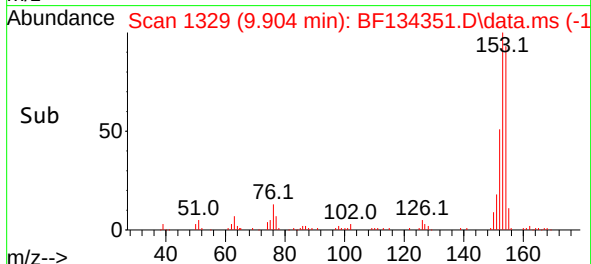
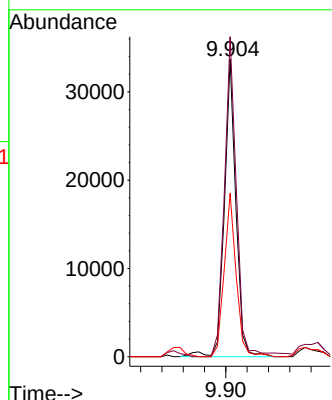
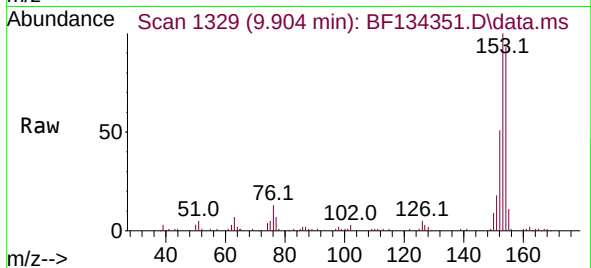
RB-42-(5-7)DL

Tgt Ion:154 Resp: 2528
Ion Ratio Lower Upper
154 100
153 107.5 89.4 134.2
152 54.9 42.8 64.2

Manual Integrations

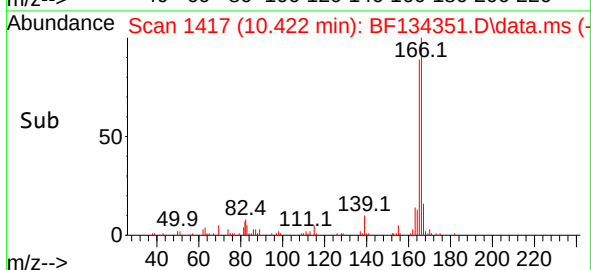
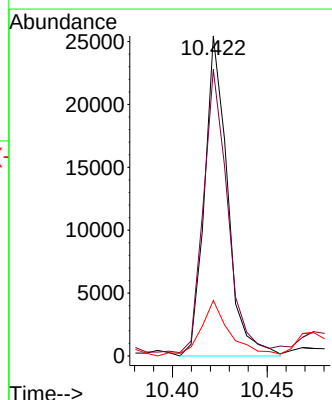
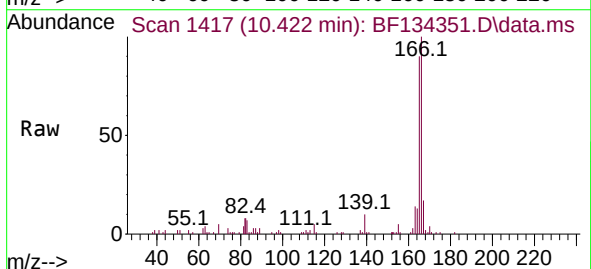
APPROVED

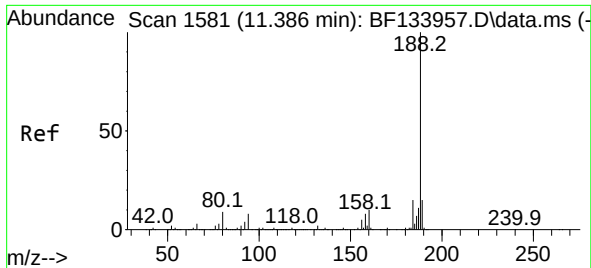
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#58
Fluorene
Concen: 2.654 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:166 Resp: 21533
Ion Ratio Lower Upper
166 100
165 89.5 75.0 112.4
167 17.4 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

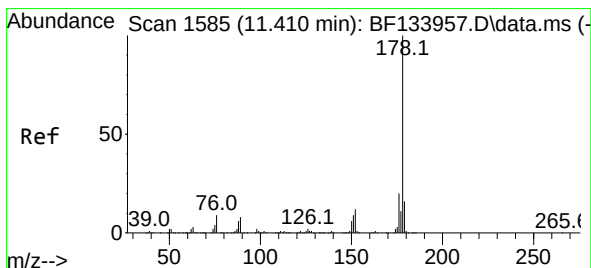
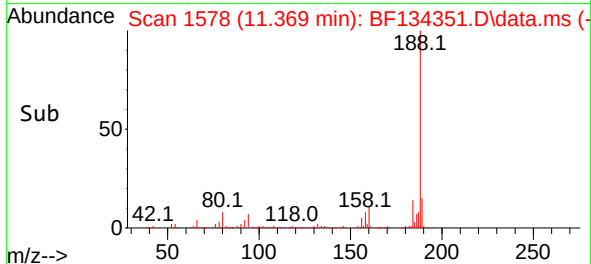
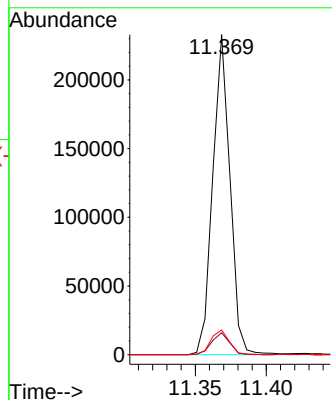
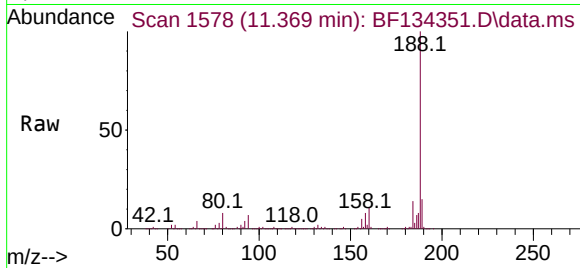
Tgt Ion:188 Resp: 196214
Ion Ratio Lower Upper
188 100
94 6.8 6.4 9.6
80 7.7 7.3 10.9

Manual Integrations

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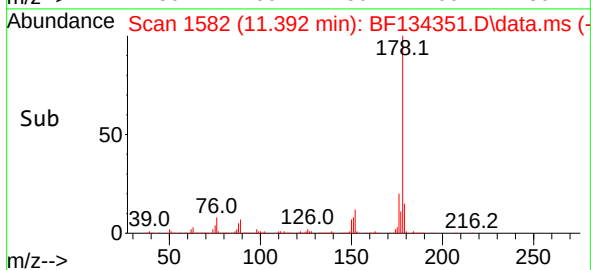
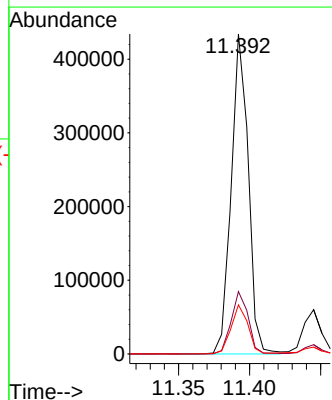
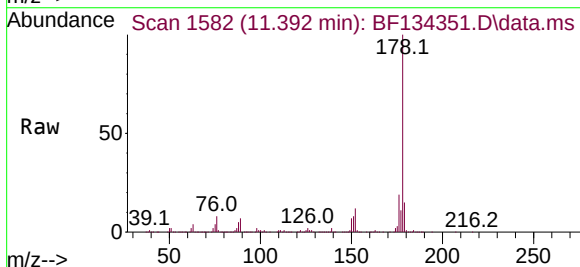
Reviewed By :Yogesh Patel 07/19/2023

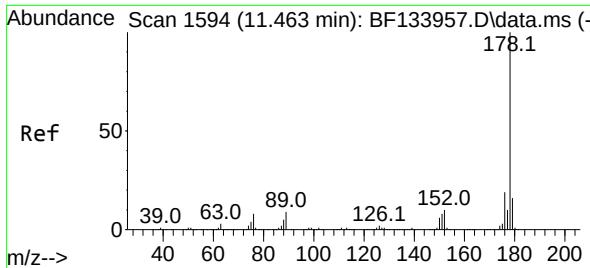
Supervised By :mohammad ahmed 07/19/2023



#71
Phenanthrene
Concen: 36.559 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:178 Resp: 361123
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 5.437 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134351.D
 Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

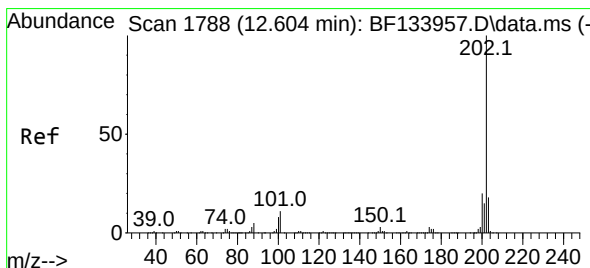
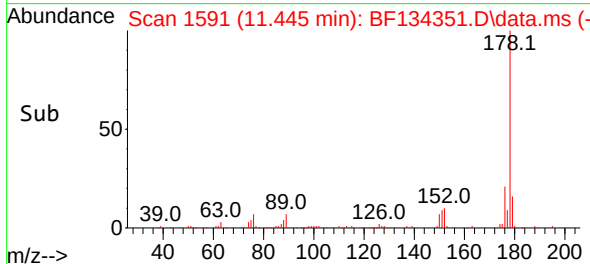
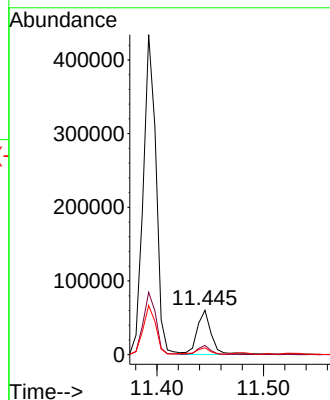
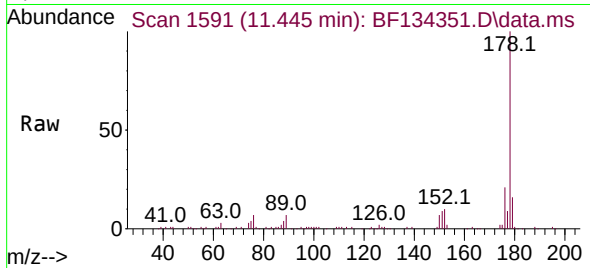
RB-42-(5-7)DL

Tgt Ion:178 Resp: 55864
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.3 22.9
 179 15.5 12.4 18.6

Manual Integrations

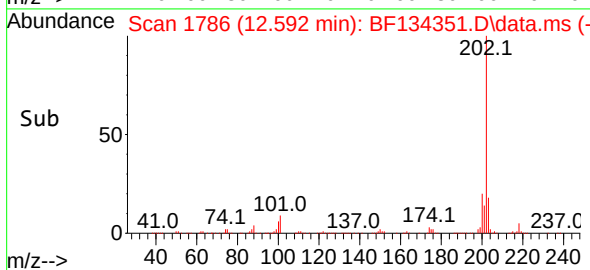
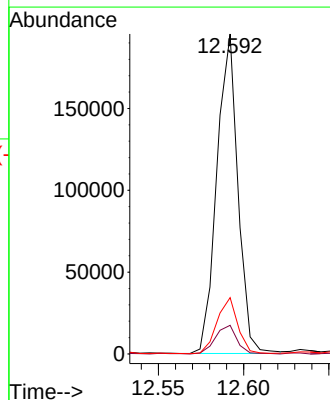
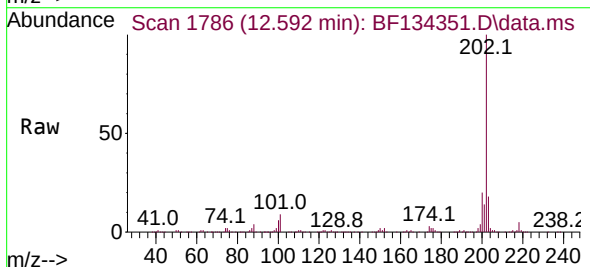
APPROVED

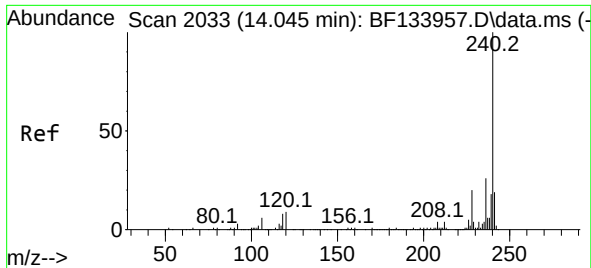
Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#75
 Fluoranthene
 Concen: 15.733 ng
 RT: 12.592 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF134351.D
 Acq: 18 Jul 2023 22:29

Tgt Ion:202 Resp: 168007
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 31.0
 203 17.6 0.0 37.6





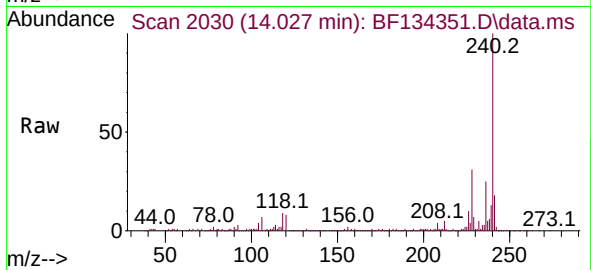
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

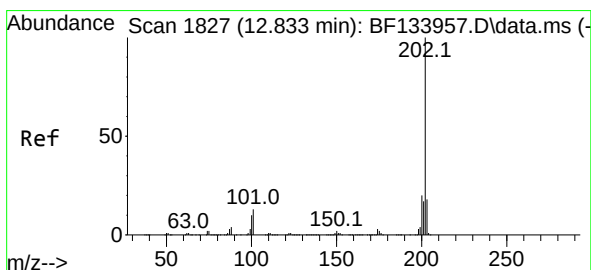
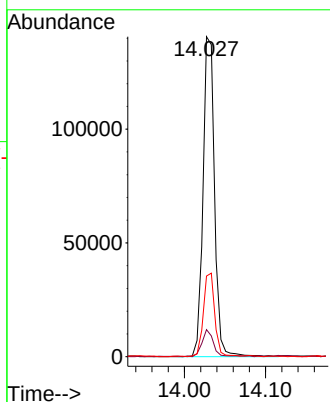
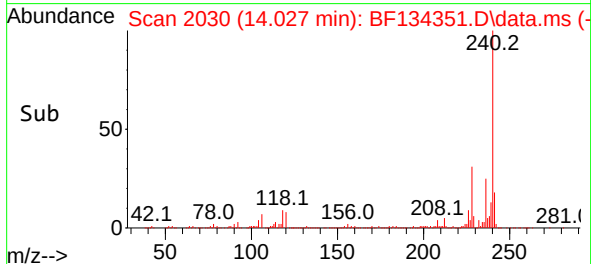


Tgt Ion:240 Resp: 138880
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.0
236 25.2 21.0 31.6

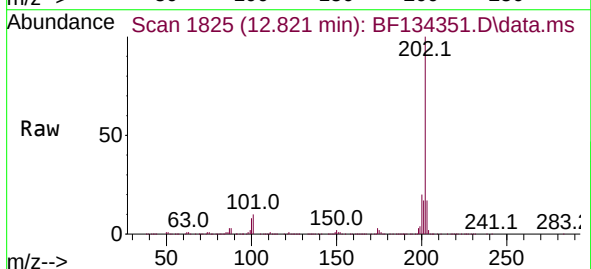
Manual Integrations

APPROVED

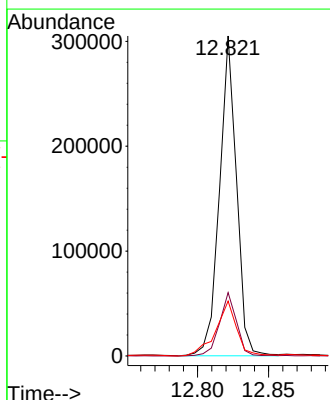
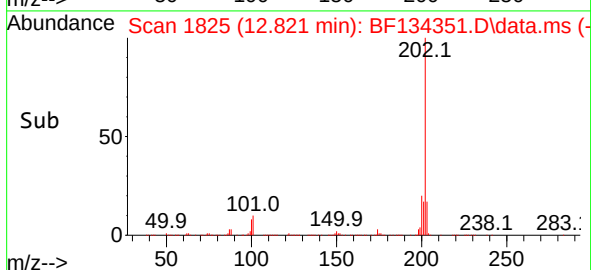
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

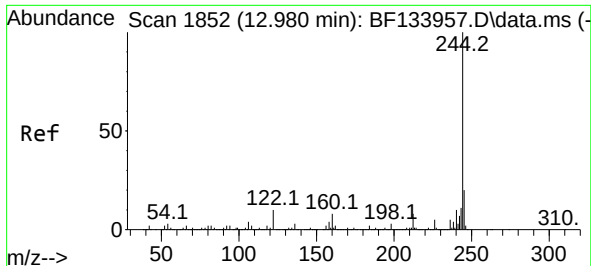


#78
Pyrene
Concen: 19.703 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29



Tgt Ion:202 Resp: 254662
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.1 14.3 21.5





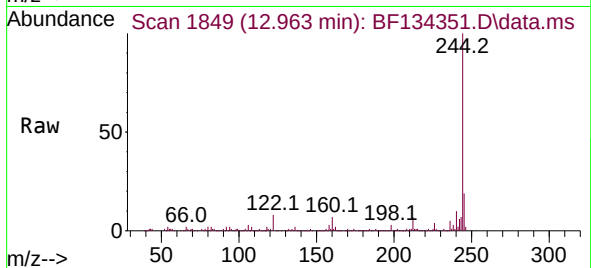
#79
 Terphenyl-d14
 Concen: 13.989 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF134351.D
 Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL



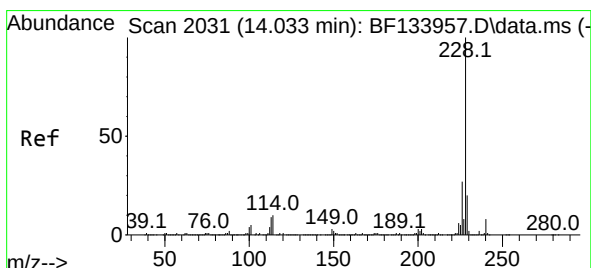
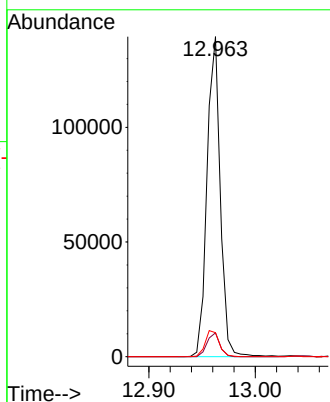
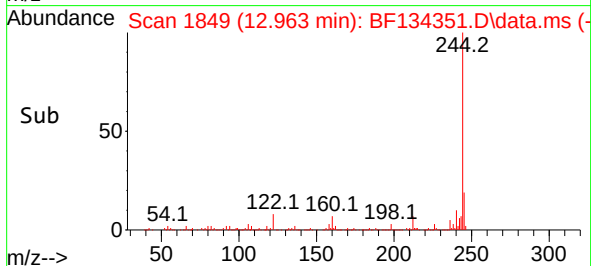
Tgt Ion:244 Resp: 120718
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 7.5 8.3 12.5

Manual Integrations

APPROVED

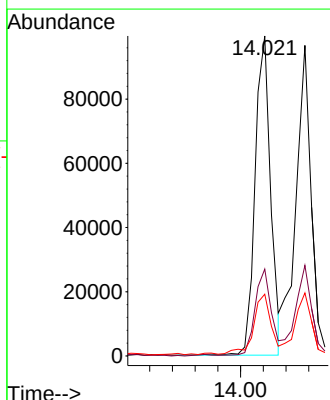
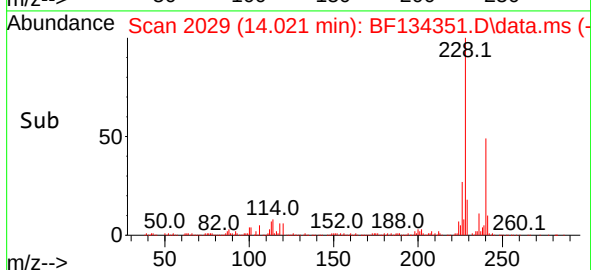
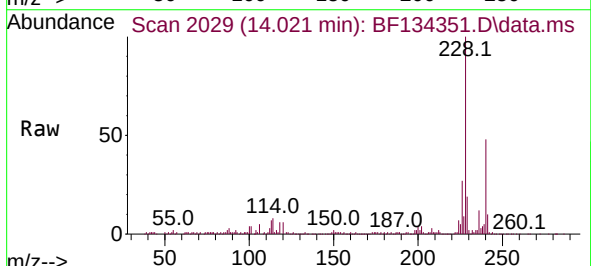
Reviewed By :Yogesh Patel 07/19/2023

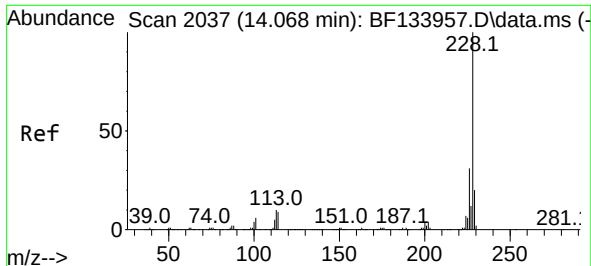
Supervised By :mohammad ahmed 07/19/2023



#81
 Benzo(a)anthracene
 Concen: 9.774 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134351.D
 Acq: 18 Jul 2023 22:29

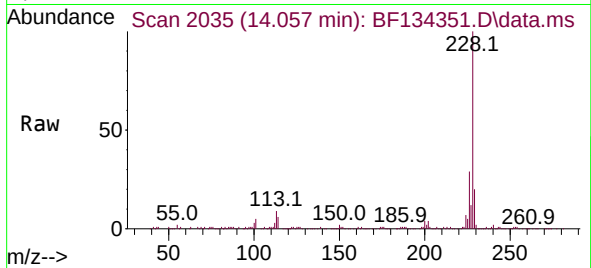
Tgt Ion:228 Resp: 94143
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.0 33.0
 229 19.3 16.3 24.5





#83
Chrysene
Concen: 9.787 ng
RT: 14.057 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

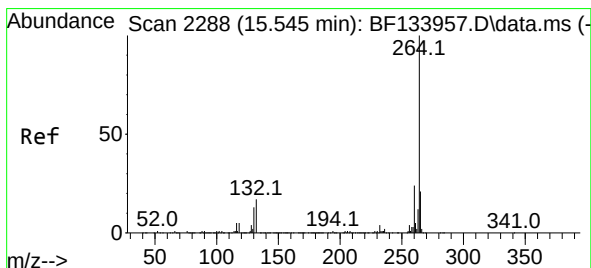
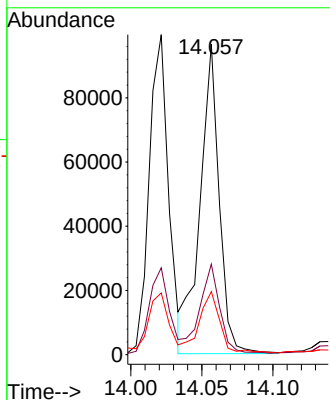
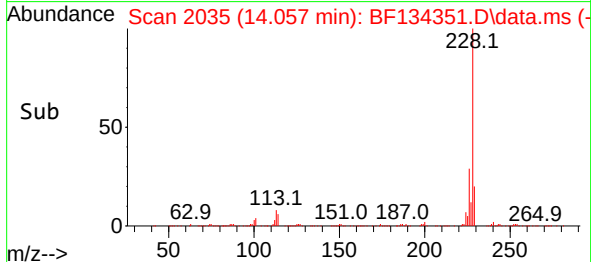
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL



Tgt Ion:228 Resp: 9130
Ion Ratio Lower Upper
228 100
226 29.2 24.4 36.6
229 20.3 16.1 24.1

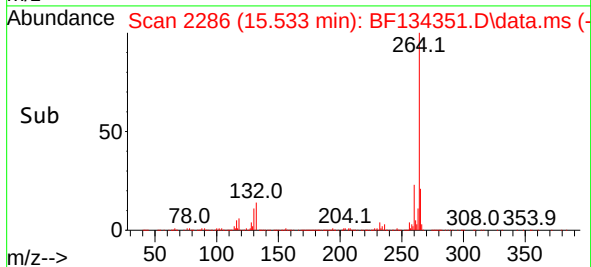
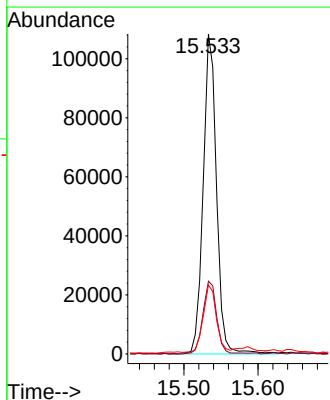
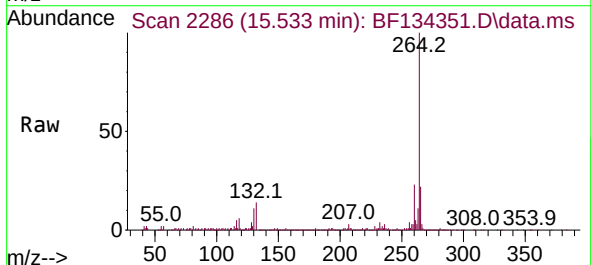
Manual Integrations
APPROVED

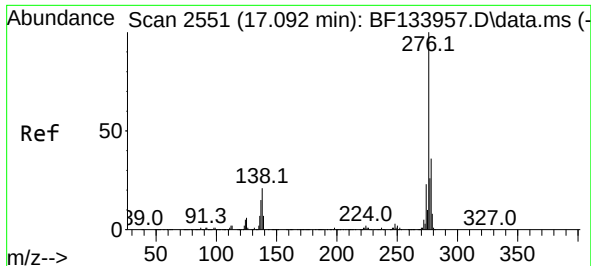
Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:264 Resp: 135895
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 21.6 16.6 25.0





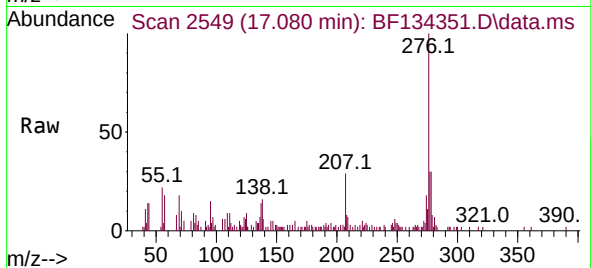
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.117 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL



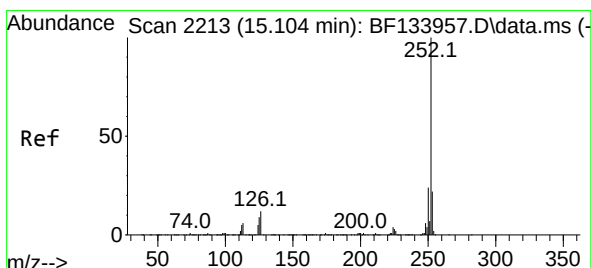
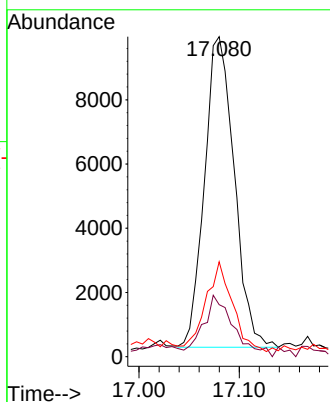
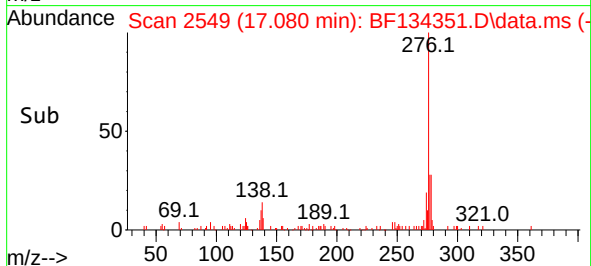
Tgt Ion:276 Resp: 1996
Ion Ratio Lower Upper
276 100
138 20.2 18.7 28.1
277 26.4 19.9 29.9

Manual Integrations

APPROVED

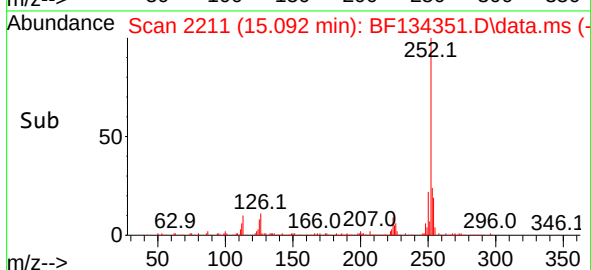
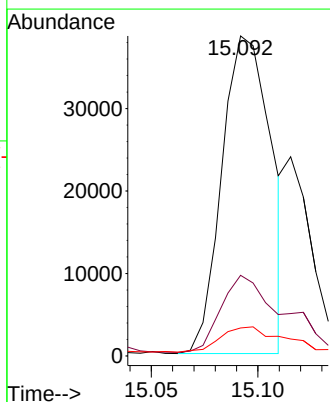
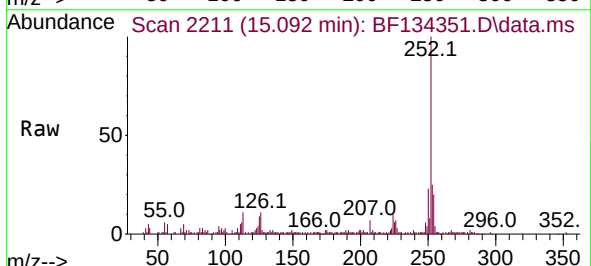
Reviewed By :Yogesh Patel 07/19/2023

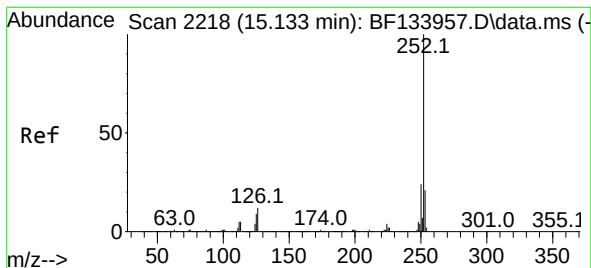
Supervised By :mohammad ahmed 07/19/2023



#88
Benzo(b)fluoranthene
Concen: 7.749 ng m
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:252 Resp: 61919
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.0
125 8.7 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 2.554 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

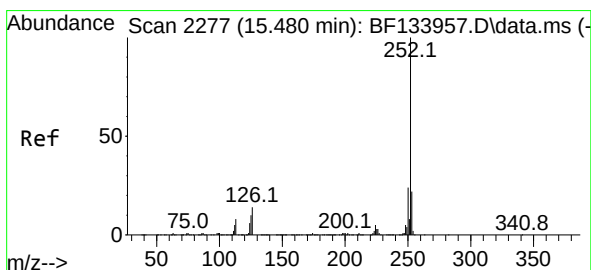
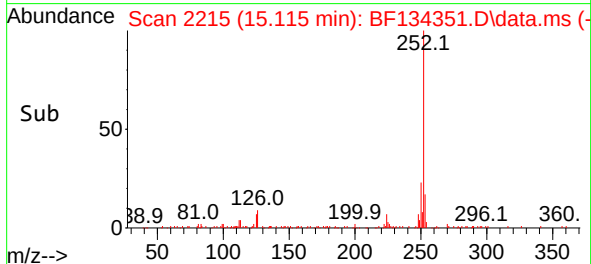
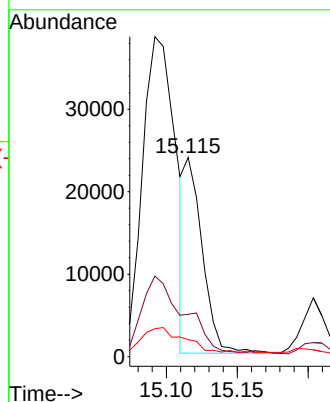
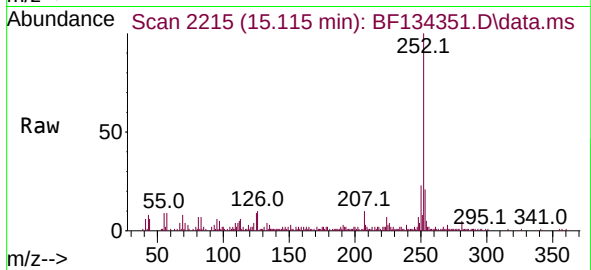
RB-42-(5-7)DL

Tgt Ion:252 Resp: 20774
 Ion Ratio Lower Upper
 252 100
 253 21.3 16.9 25.3
 125 8.5 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :mohammad ahmed 07/19/2023



#90

Benzo(a)pyrene

Concen: 6.172 ng

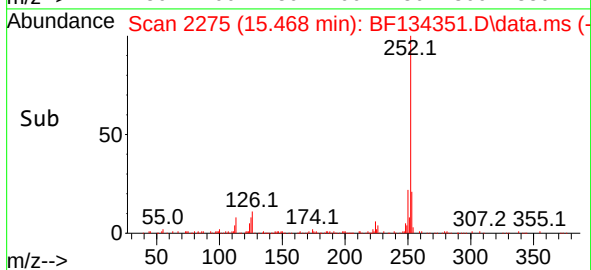
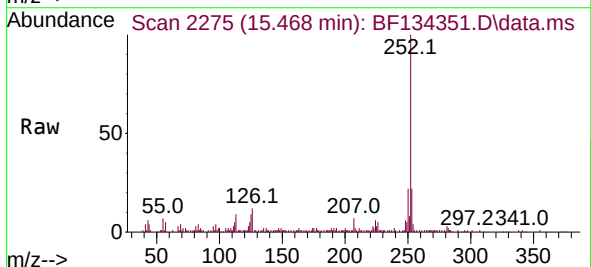
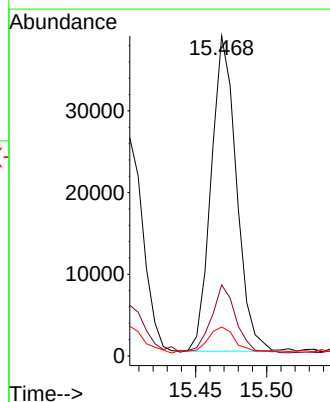
RT: 15.468 min Scan# 2275

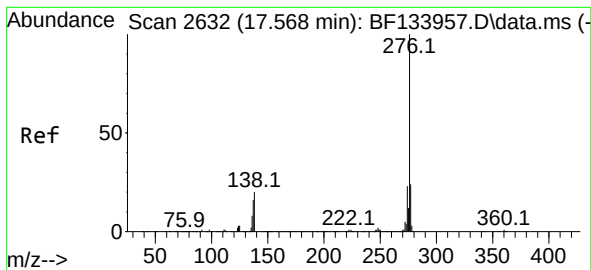
Delta R.T. -0.012 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

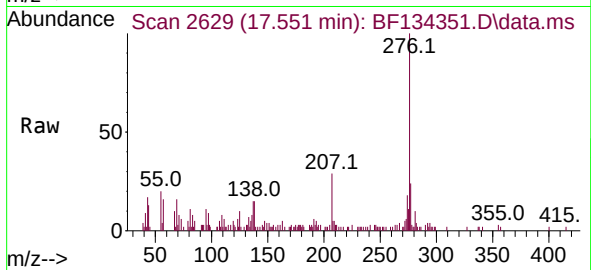
Tgt Ion:252 Resp: 47691
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.4 26.0
 125 9.1 8.4 12.6





#92
Benzo(g,h,i)perylene
Concen: 2.684 ng
RT: 17.551 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL



Tgt Ion:	276	Resp:	21310
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.0	28.6
138	15.4	16.2	24.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :mohammad ahmed 07/19/2023

