

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139828.D
 Acq On : 16 Oct 2024 13:38
 Operator : RC/JU
 Sample : P4364-14DL 25X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0.167-0.667DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 14:15:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	71531	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	252315	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	121804	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	185174	20.000	ng	0.00
76) Chrysene-d12	14.010	240	161413	20.000	ng	0.00
86) Perylene-d12	15.474	264	119958	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	14798	3.491	ng	0.00
7) Phenol-d6	6.487	99	21187	3.758	ng	0.00
23) Nitrobenzene-d5	7.410	82	13048	2.662	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	3061	2.980	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	21799	2.677	ng	0.00
79) Terphenyl-d14	12.951	244	16572	-1.000	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.916	154	13112	2.003	ng	98
71) Phenanthrene	11.392	178	182065	20.584	ng	99
72) Anthracene	11.445	178	39537	4.549	ng	98
73) Carbazole	11.604	167	16667	2.167	ng	98
75) Fluoranthene	12.586	202	303028	36.310	ng	99
78) Pyrene	12.816	202	274886	17.324	ng	99
81) Benzo(a)anthracene	13.998	228	158618	14.795	ng	99
83) Chrysene	14.033	228	141076	14.437	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	37652	4.687	ng	97
88) Benzo(b)fluoranthene	15.051	252	131888m	19.168	ng	
89) Benzo(k)fluoranthene	15.062	252	55757m	9.131	ng	
90) Benzo(a)pyrene	15.409	252	86924	14.463	ng	97
92) Benzo(g,h,i)perylene	17.380	276	37081	5.367	ng	96

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

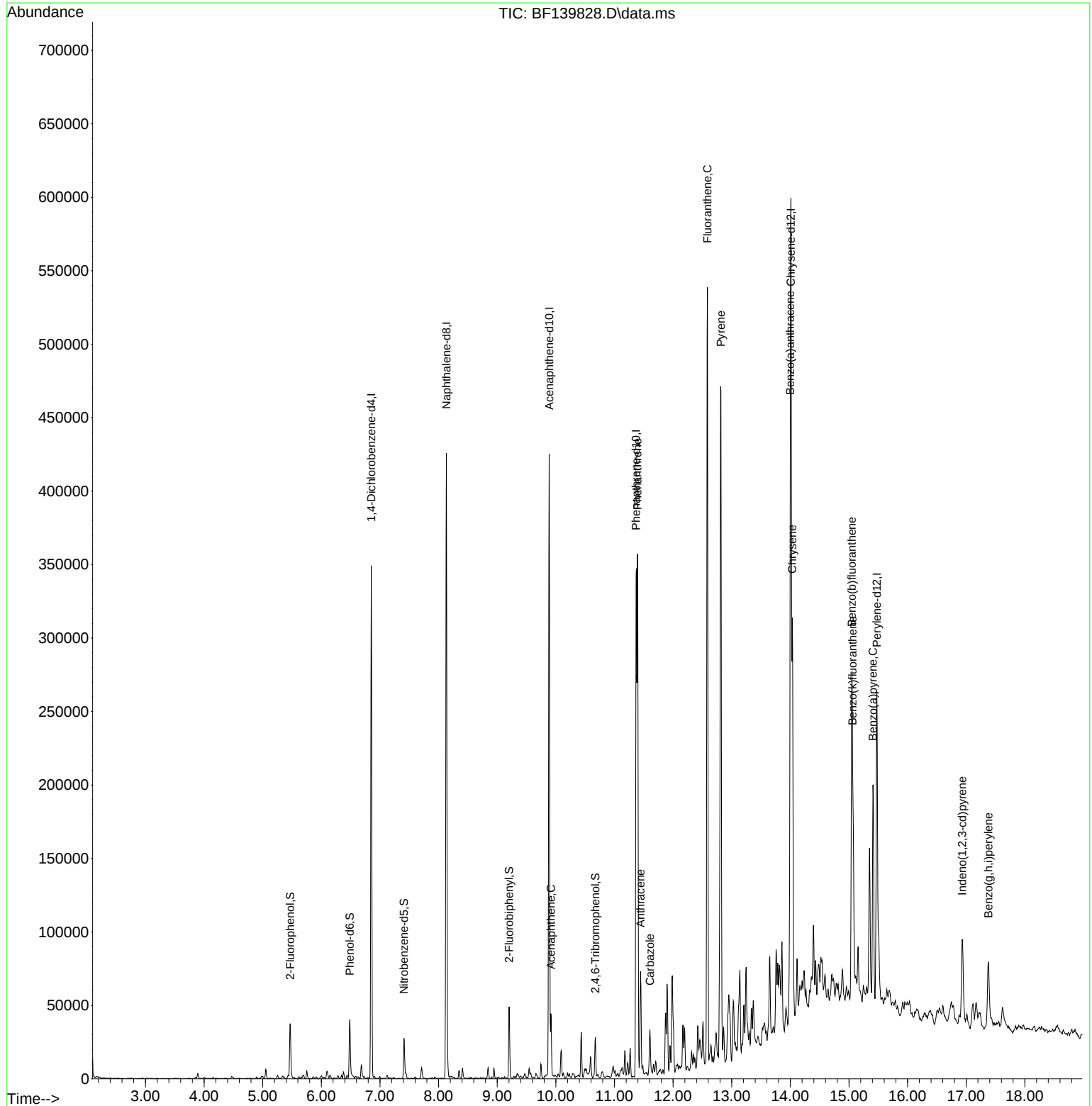
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
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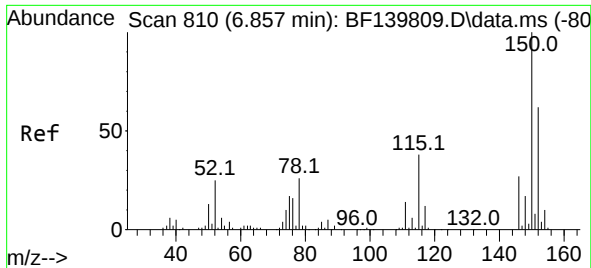
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
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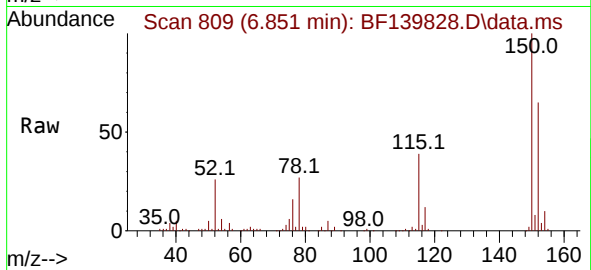
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

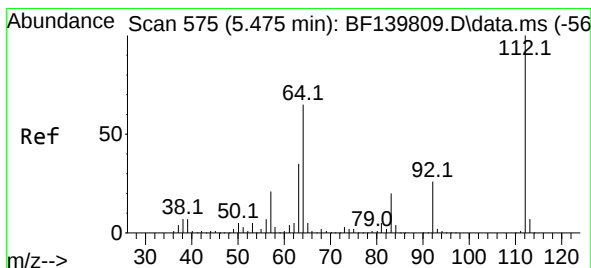
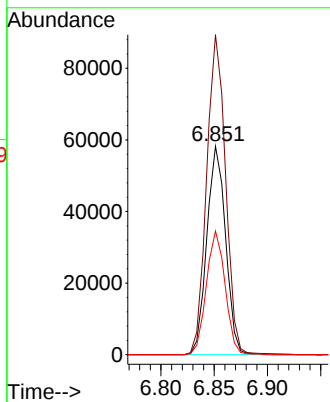
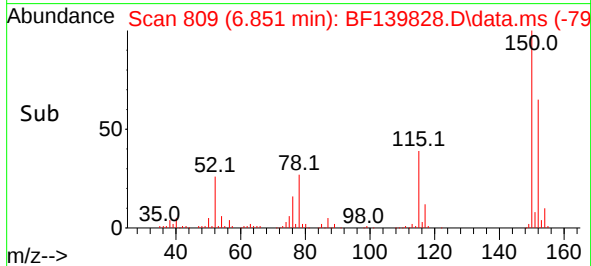
Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL



Tgt Ion:152 Resp: 7153
Ion Ratio Lower Upper
152 100
150 153.5 128.2 192.2
115 59.3 48.1 72.1

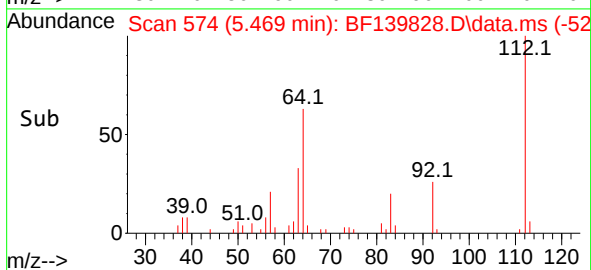
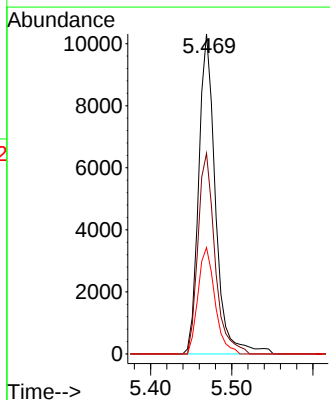
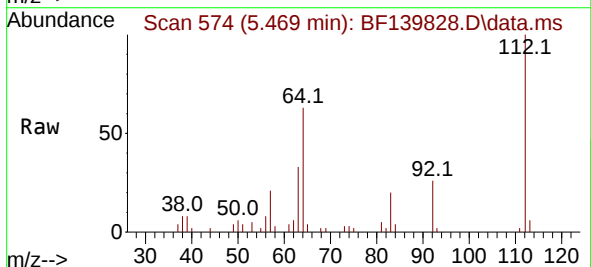
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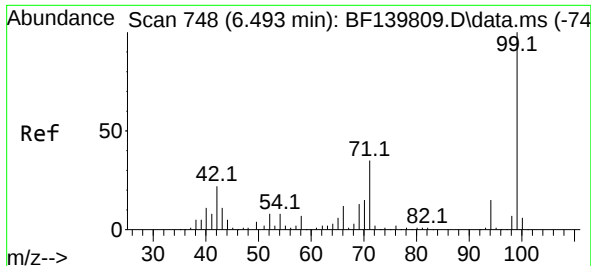
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#5
2-Fluorophenol
Concen: 3.491 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

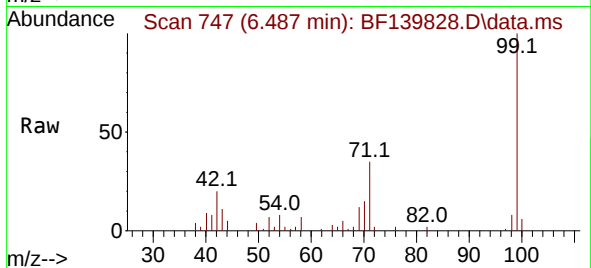
Tgt Ion:112 Resp: 14798
Ion Ratio Lower Upper
112 100
64 62.7 52.1 78.1
63 33.2 27.6 41.4





#7
Phenol-d6
Concen: 3.758 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

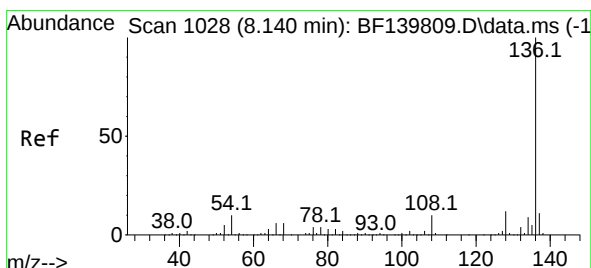
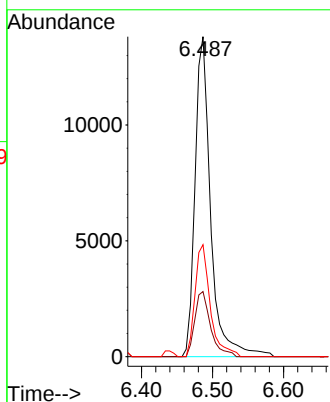
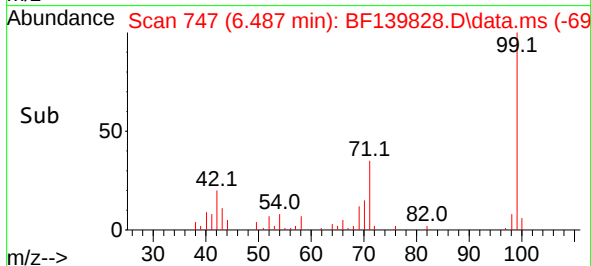
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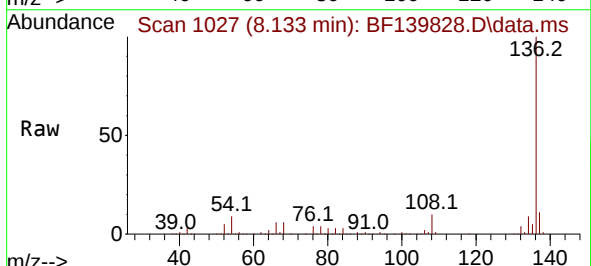
Tgt Ion: 99 Resp: 2118
Ion Ratio Lower Upper
99 100
42 20.4 17.3 25.9
71 35.0 27.8 41.6

Manual Integrations
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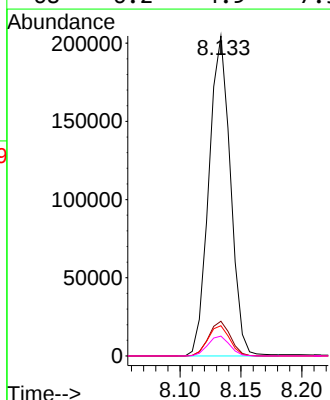
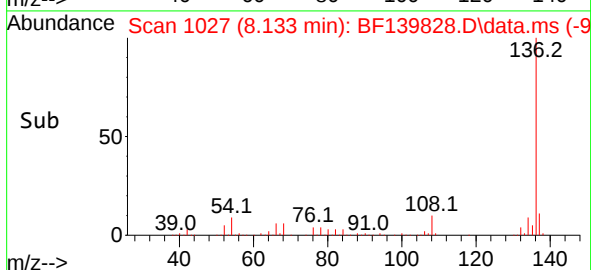
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

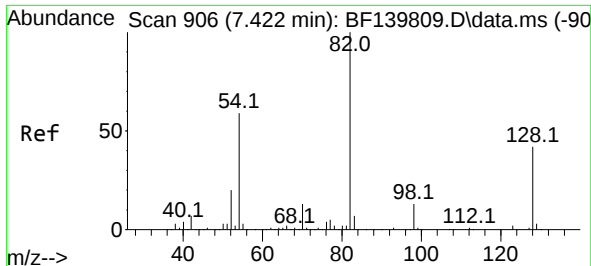


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1027
Delta R.T. -0.007 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38



Tgt Ion:136 Resp: 252315
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.4 7.7 11.5
68 6.2 4.9 7.3





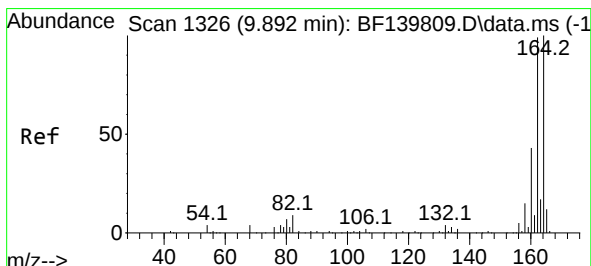
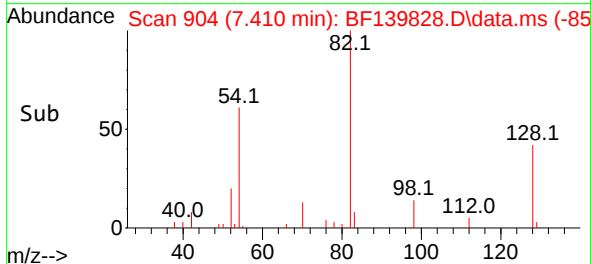
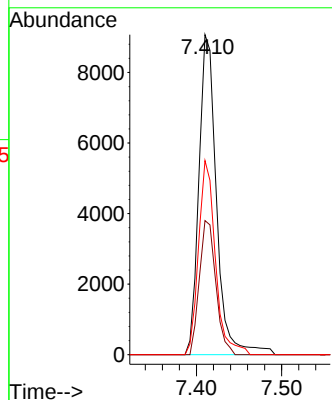
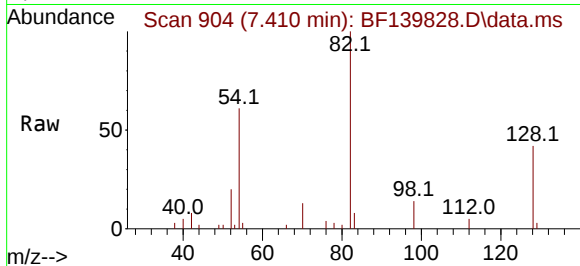
#23
Nitrobenzene-d5
Concen: 2.662 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL

Tgt Ion: 82 Resp: 13048
Ion Ratio Lower Upper
82 100
128 41.9 33.9 50.9
54 60.6 46.9 70.3

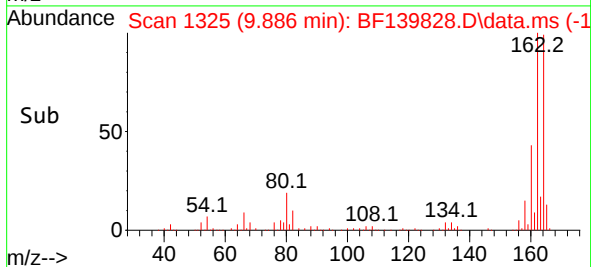
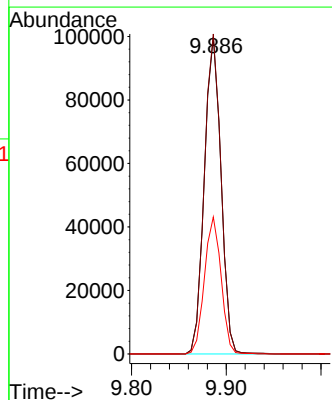
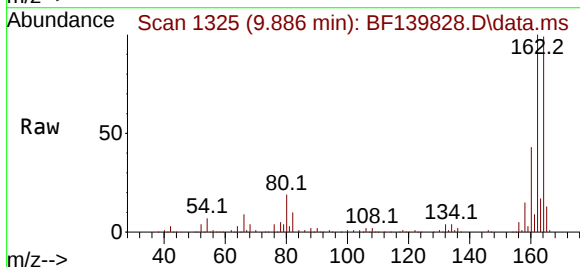
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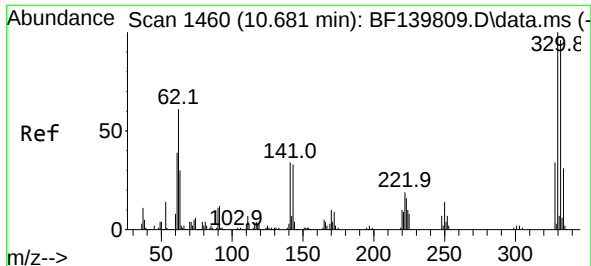
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

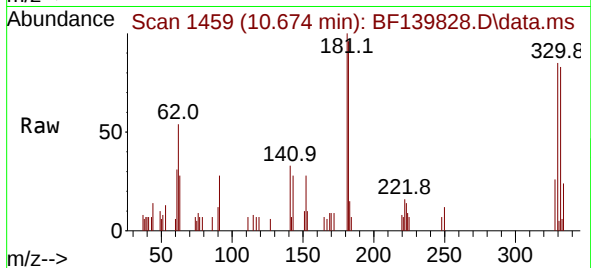
Tgt Ion:164 Resp: 121804
Ion Ratio Lower Upper
164 100
162 101.0 79.1 118.7
160 43.2 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 2.980 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

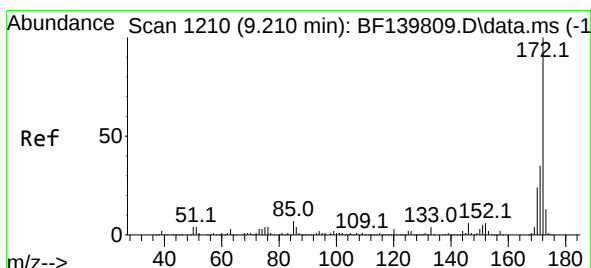
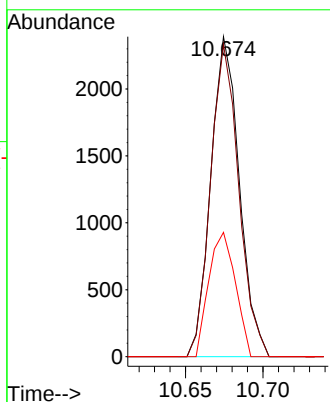
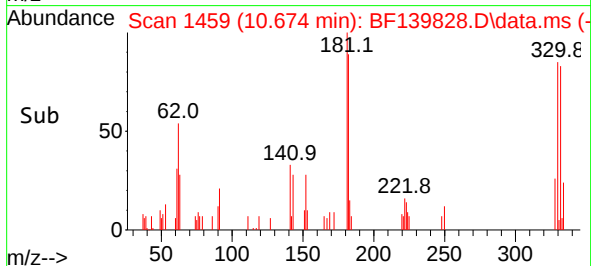
Instrument :
BNA_F
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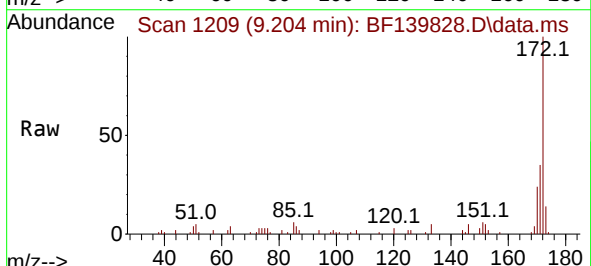
Tgt Ion: 330 Resp: 306
Ion Ratio Lower Upper
330 100
332 96.4 76.6 114.8
141 36.1 27.8 41.6

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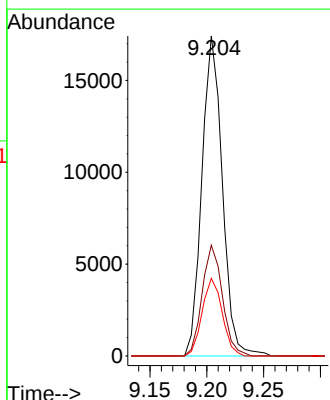
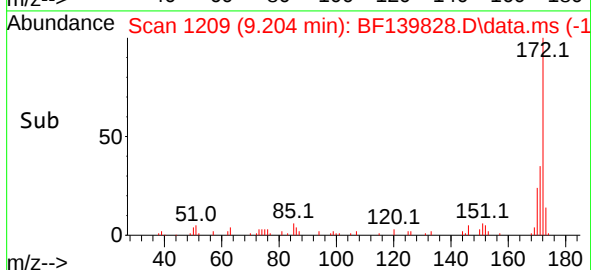
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Supervised By : mohammad ahmed 10/17/2024

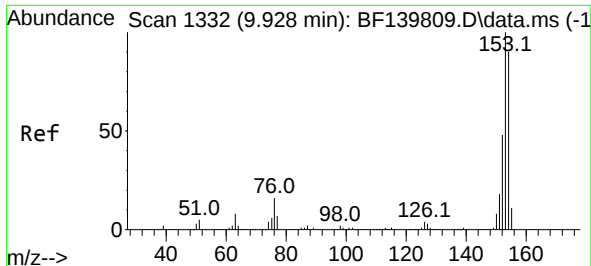


#45
2-Fluorobiphenyl
Concen: 2.677 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38



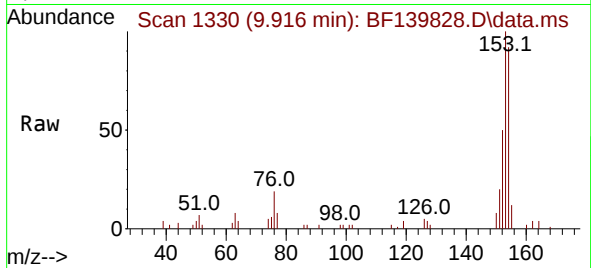
Tgt Ion: 172 Resp: 21799
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 24.3 18.9 28.3





#52
Acenaphthene
Concen: 2.003 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

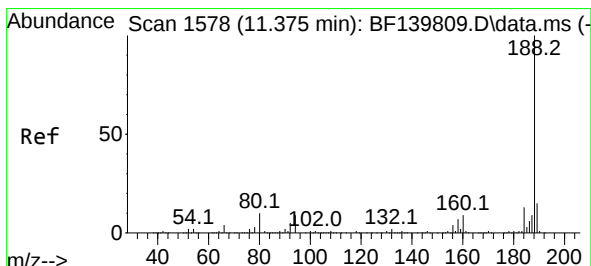
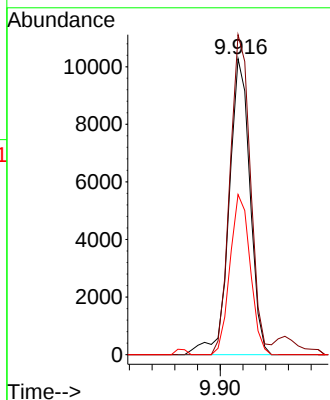
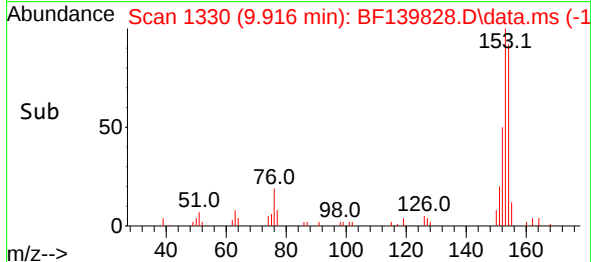
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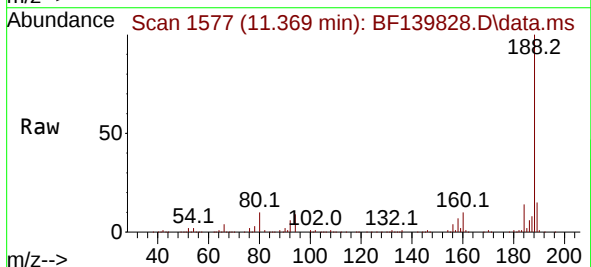
Tgt Ion:154 Resp: 1311
Ion Ratio Lower Upper
154 100
153 108.1 88.8 133.2
152 54.1 42.3 63.5

Manual Integrations
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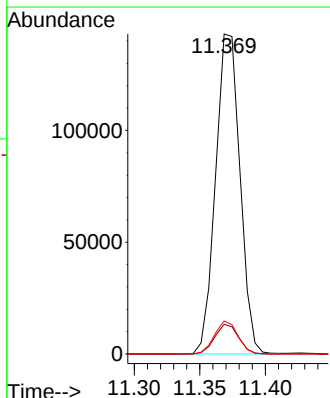
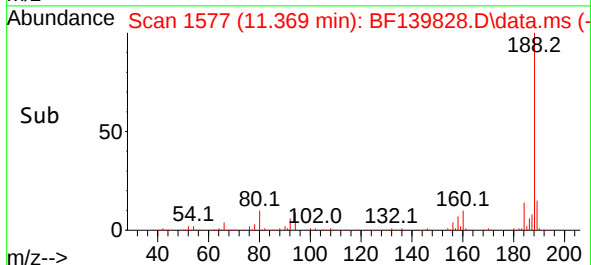
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

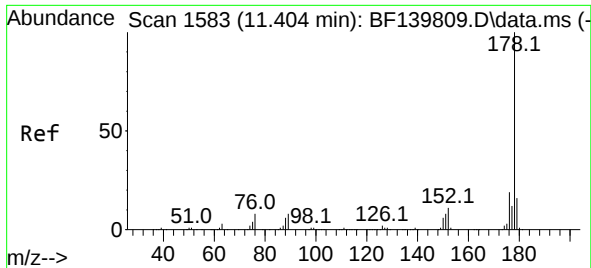


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38



Tgt Ion:188 Resp: 185174
Ion Ratio Lower Upper
188 100
94 9.3 7.3 10.9
80 10.3 7.8 11.8





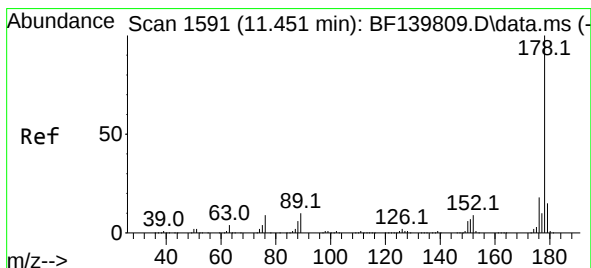
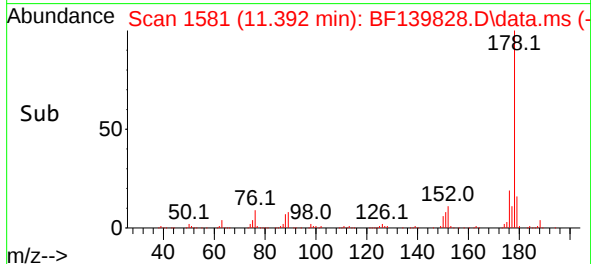
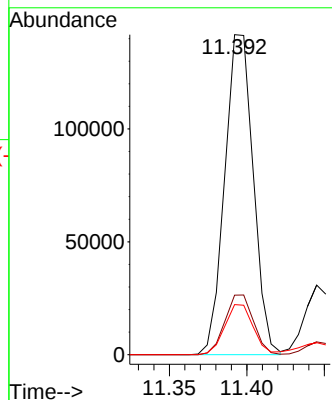
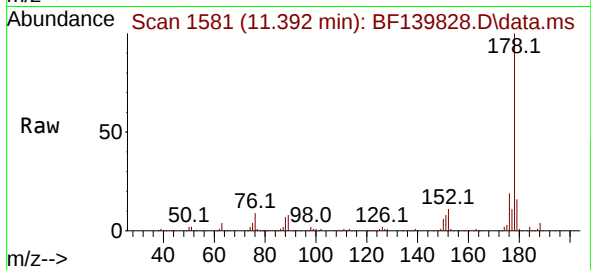
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Phenanthrene
Concen: 20.584 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.012 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Instrument :
BNA_F
ClientSampleId :
SB-06-0.167-0.667DL

Tgt Ion:178 Resp: 18206
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.6 12.5 18.7

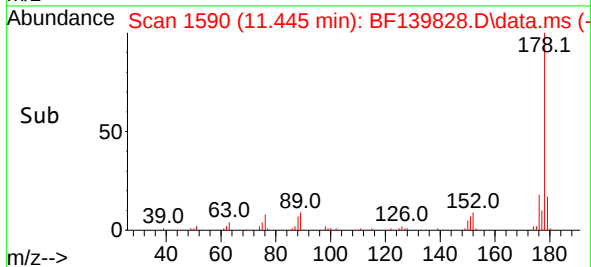
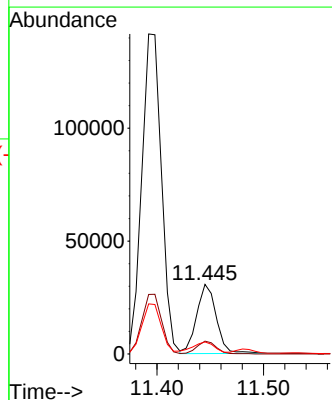
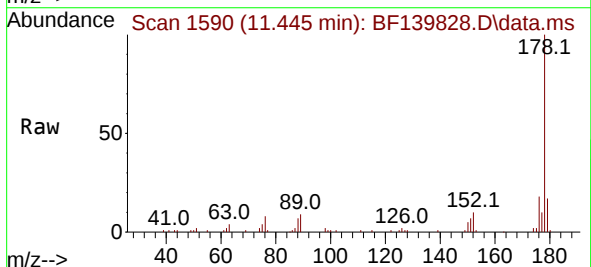
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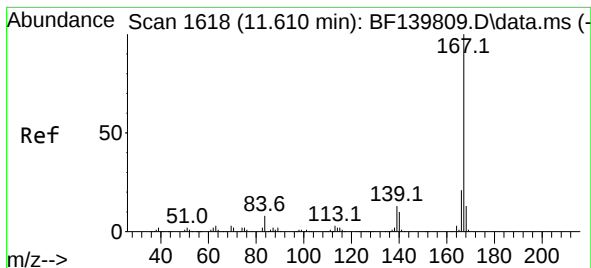
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#72
Anthracene
Concen: 4.549 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF139828.D
Acq: 16 Oct 2024 13:38

Tgt Ion:178 Resp: 39537
Ion Ratio Lower Upper
178 100
176 18.5 14.6 21.8
179 17.2 12.4 18.6





#73

Carbazole

Concen: 2.167 ng

RT: 11.604 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL

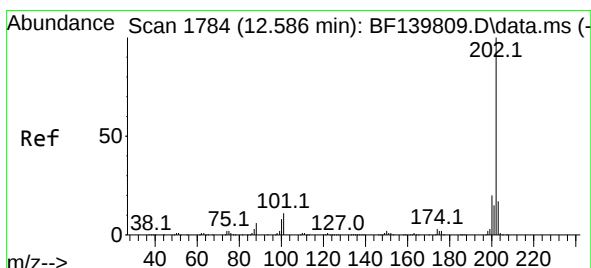
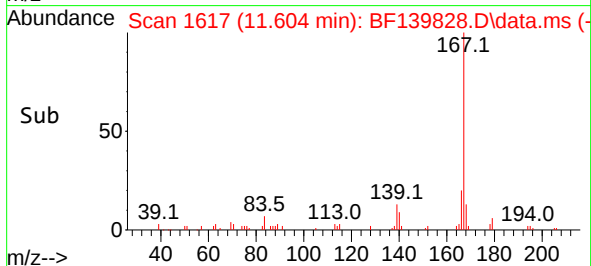
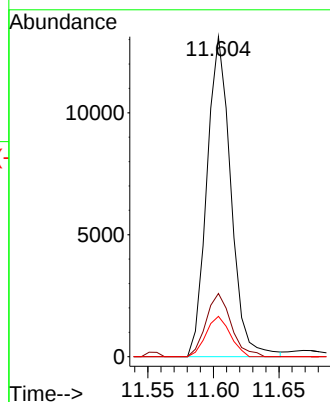
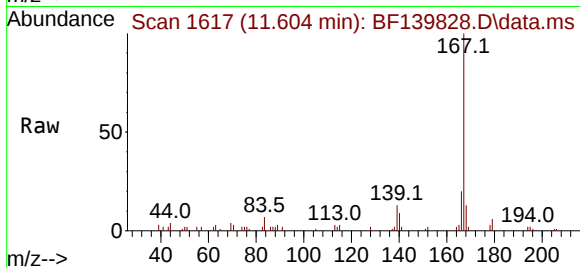
Tgt Ion:	167	Resp:	1666
Ion Ratio	Lower	Upper	
167	100		
166	19.8	17.0	25.6
139	12.6	10.1	15.1

Manual Integrations

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#75

Fluoranthene

Concen: 36.310 ng

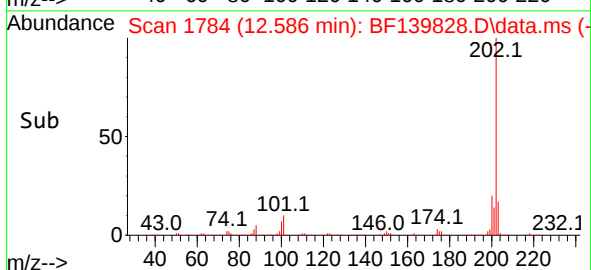
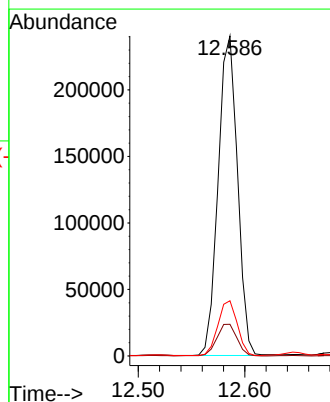
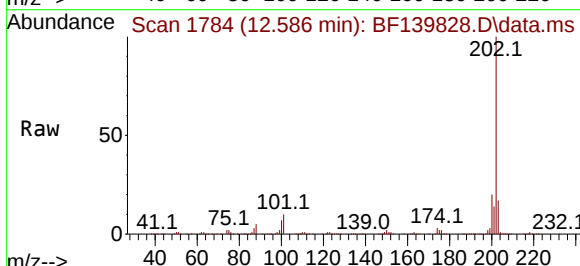
RT: 12.586 min Scan# 1784

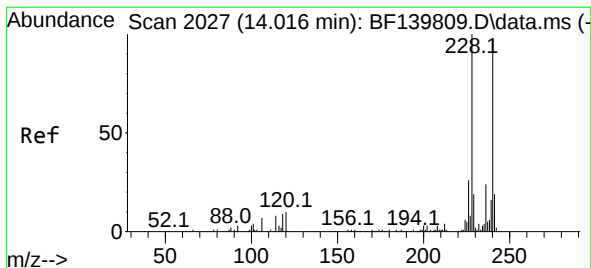
Delta R.T. -0.000 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Tgt Ion:	202	Resp:	303028
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	30.8
203	17.2	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL

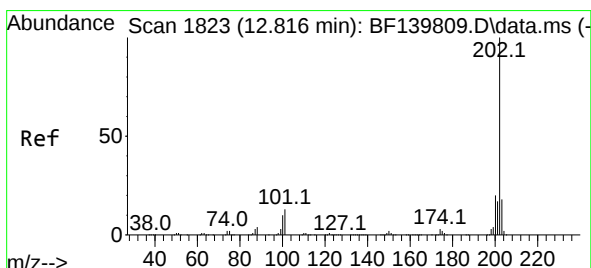
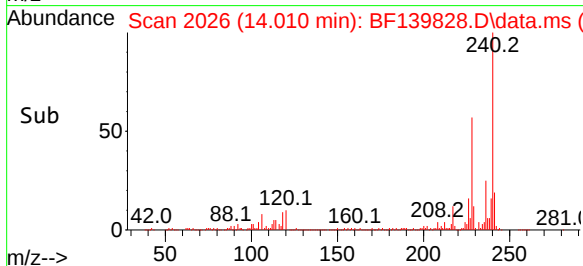
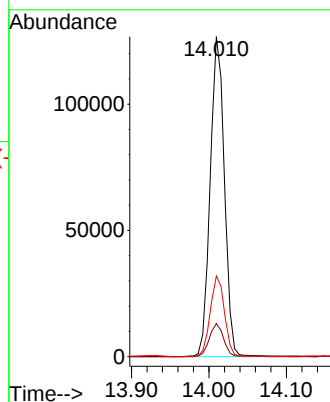
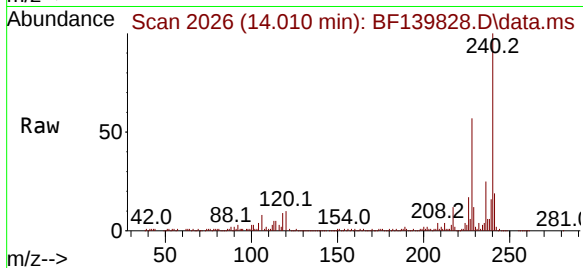
Tgt Ion:240 Resp: 161411
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.6 12.8
 236 25.2 20.0 30.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#78

Pyrene

Concen: 17.324 ng

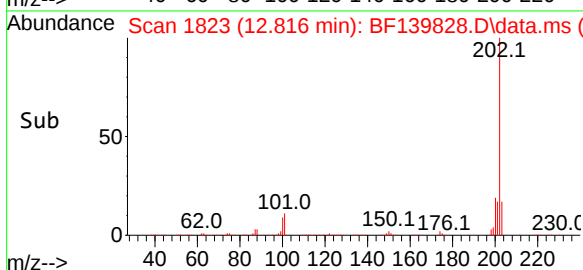
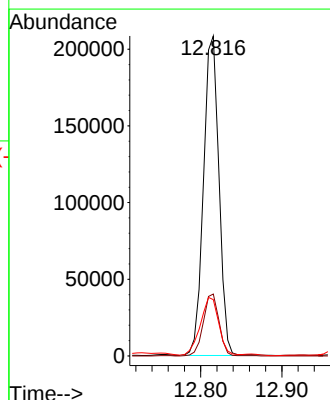
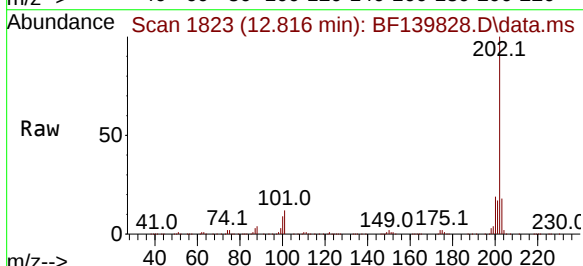
RT: 12.816 min Scan# 1823

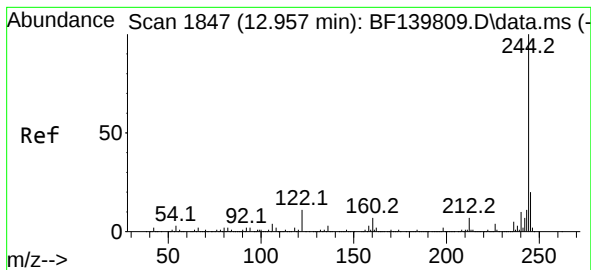
Delta R.T. -0.000 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Tgt Ion:202 Resp: 274886
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.9 23.9
 203 17.6 14.0 21.0





#79

Terphenyl-d14

Concen: -1.000 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139828.D

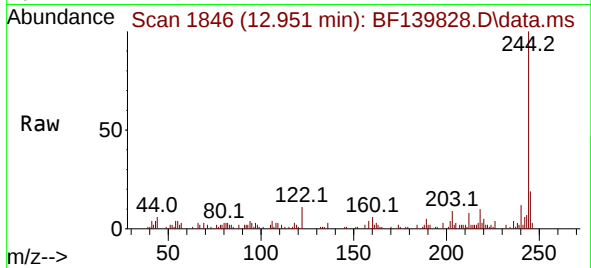
Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL



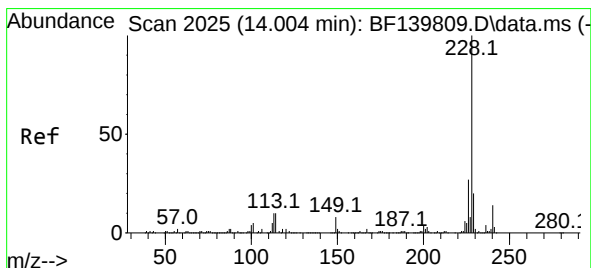
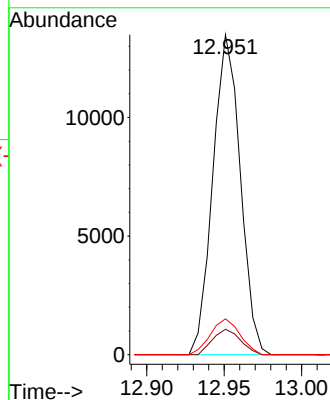
Tgt Ion:	244	Resp:	16572
Ion Ratio	Lower	Upper	
244	100		
212	7.9	5.5	8.3
122	11.2	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#81

Benzo(a)anthracene

Concen: 14.795 ng

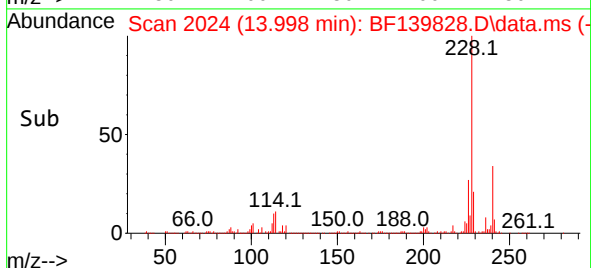
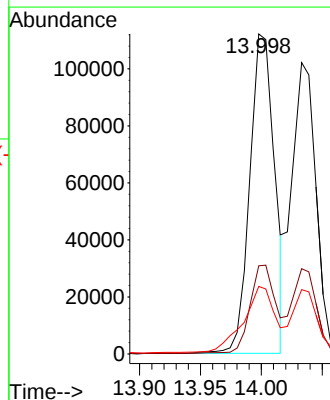
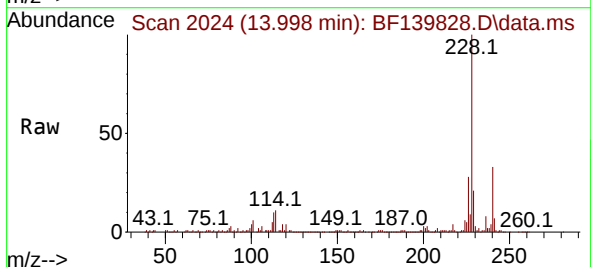
RT: 13.998 min Scan# 2024

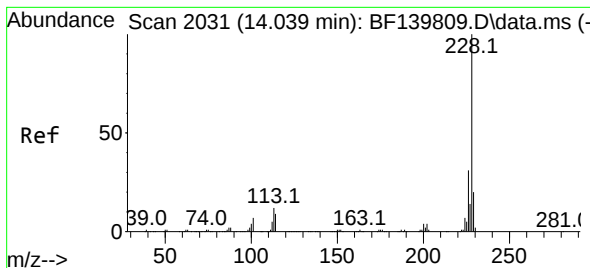
Delta R.T. -0.006 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Tgt Ion:	228	Resp:	158618
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.8	32.8
229	21.1	15.8	23.8





#83

Chrysene

Concen: 14.437 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF139828.D

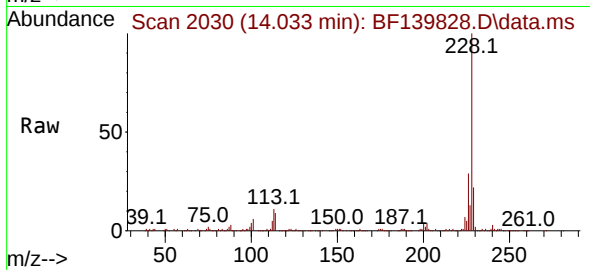
Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL



Tgt Ion:228 Resp: 141070

Ion Ratio Lower Upper

228 100

226 29.3 24.1 36.1

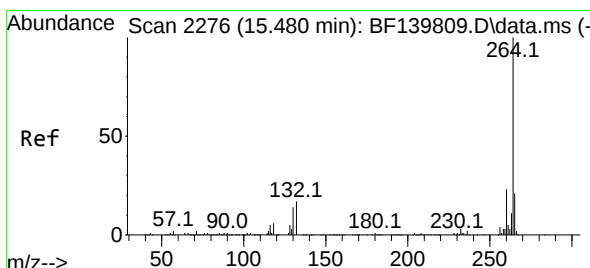
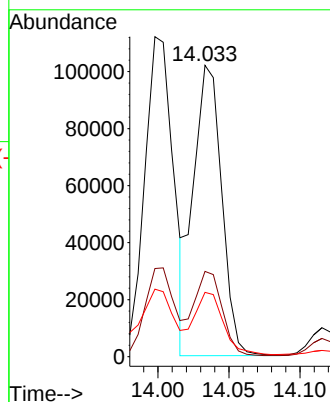
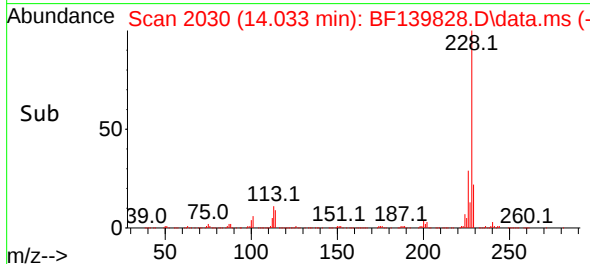
229 22.1 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

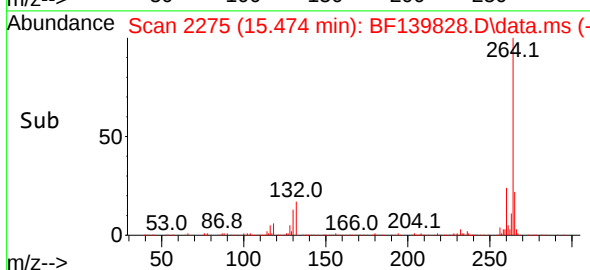
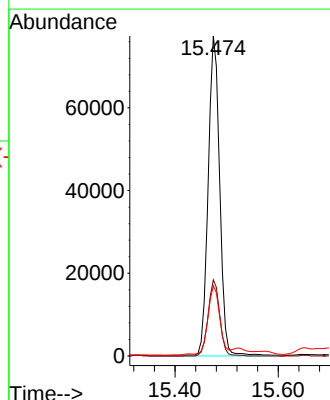
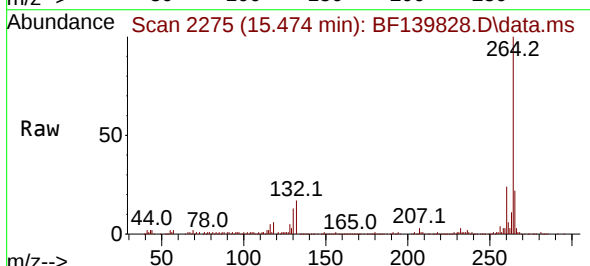
Tgt Ion:264 Resp: 119958

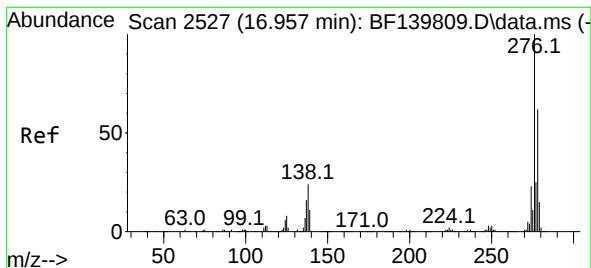
Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 21.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.687 ng

RT: 16.933 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139828.D

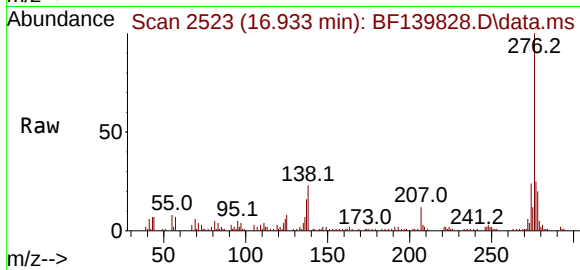
Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL



Tgt Ion: 276 Resp: 37652

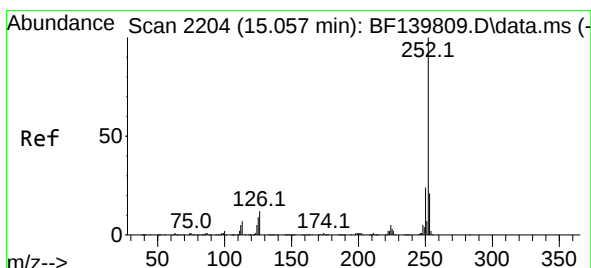
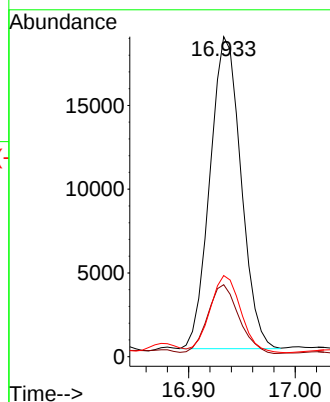
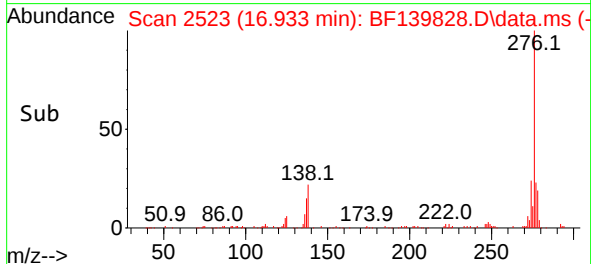
Ion	Ratio	Lower	Upper
276	100		
138	22.1	20.0	30.0
277	24.7	20.1	30.1

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#88

Benzo(b)fluoranthene

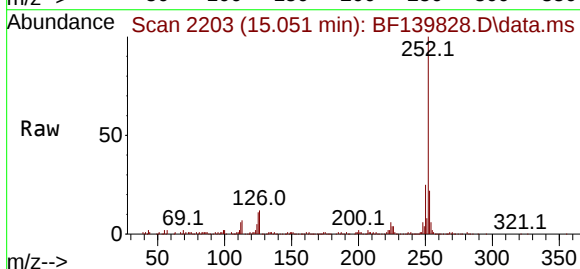
Concen: 19.168 ng m

RT: 15.051 min Scan# 2203

Delta R.T. -0.006 min

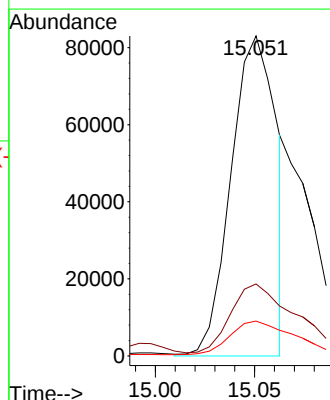
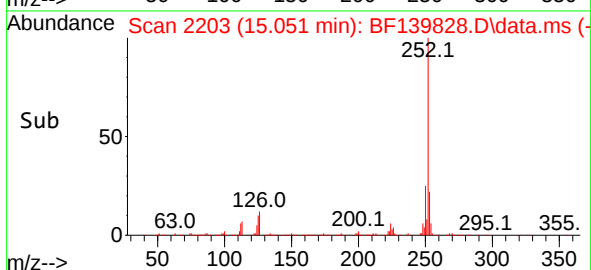
Lab File: BF139828.D

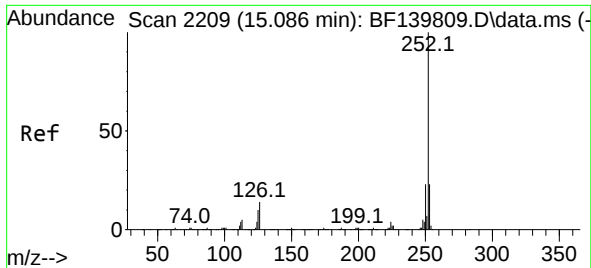
Acq: 16 Oct 2024 13:38



Tgt Ion: 252 Resp: 131888

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.9	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 9.131 ng m

RT: 15.062 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Instrument :

BNA_F

ClientSampleId :

SB-06-0.167-0.667DL

Tgt Ion:252 Resp: 5575

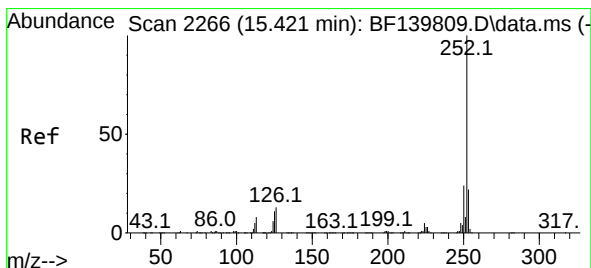
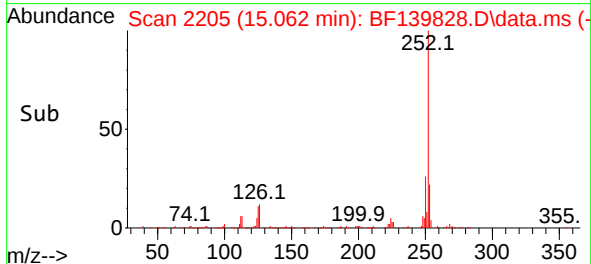
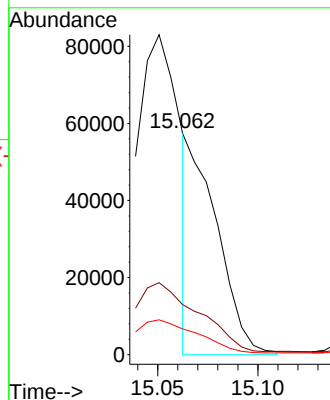
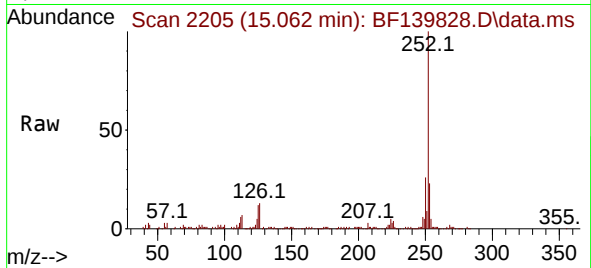
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.7	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#90

Benzo(a)pyrene

Concen: 14.463 ng

RT: 15.409 min Scan# 2264

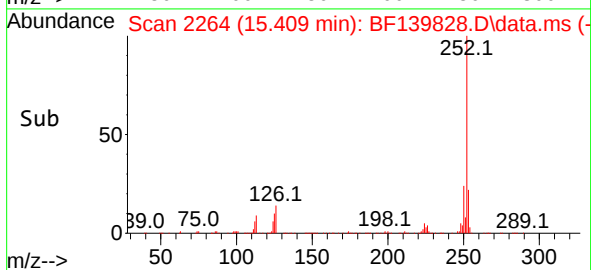
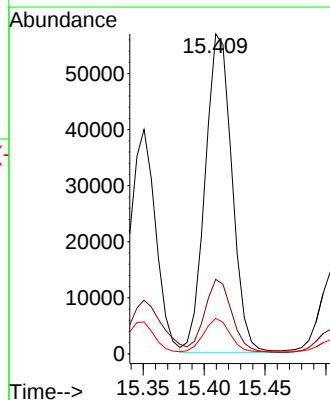
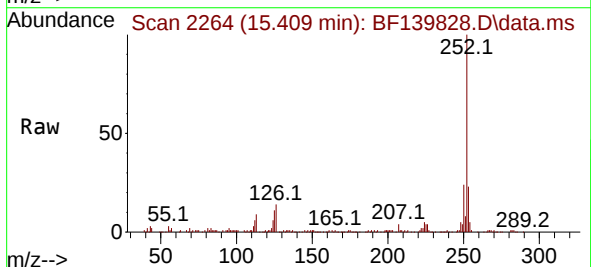
Delta R.T. -0.012 min

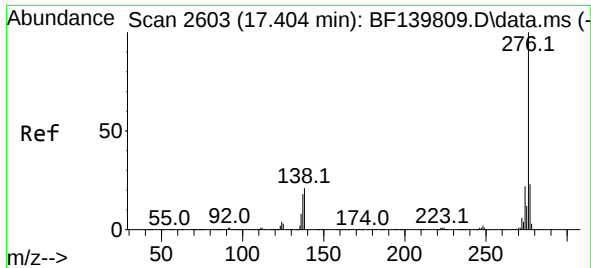
Lab File: BF139828.D

Acq: 16 Oct 2024 13:38

Tgt Ion:252 Resp: 86924

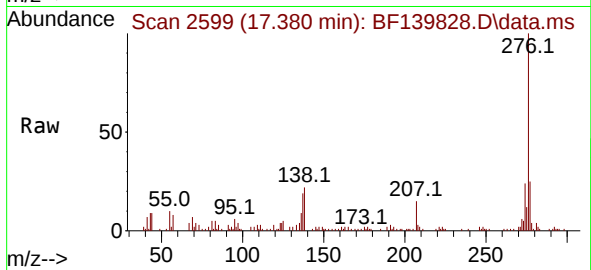
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	11.1	8.4	12.6





#92
 Benzo(g,h,i)perylene
 Concen: 5.367 ng
 RT: 17.380 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF139828.D
 Acq: 16 Oct 2024 13:38

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0.167-0.667DL



Tgt Ion:	276	Resp:	3708
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.2	27.4
138	22.2	17.0	25.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

