

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
 Data File : BF127830.D
 Acq On : 18 Apr 2022 17:32
 Operator : CG\JU
 Sample : N2445-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 282

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/19/2022
 Supervised By : Jagrut Upadhyay 04/19/2022

Quant Time: Apr 19 05:15:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	156893	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	566730	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	300771	20.000	ng	-0.01
64) Phenanthrene-d10	11.486	188	469526	20.000	ng	0.00
76) Chrysene-d12	14.133	240	331728	20.000	ng	#-0.01
86) Perylene-d12	15.651	264	308675	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1075193	111.355	ng	0.00
7) Phenol-d6	6.575	99	1356851	107.418	ng	-0.01
23) Nitrobenzene-d5	7.516	82	972856	76.529	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	354425	110.735	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1496975	70.410	ng	-0.01
79) Terphenyl-d14	13.074	244	1190962	59.260	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.251	128	64857	2.184	ng	98
52) Acenaphthene	10.022	154	39939	2.280	ng	95
58) Fluorene	10.539	166	49721m	2.633	ng	
71) Phenanthrene	11.510	178	290407	11.674	ng	100
75) Fluoranthene	12.698	202	423958	15.617	ng	98
78) Pyrene	12.933	202	397485	14.190	ng	99
81) Benzo(a)anthracene	14.121	228	193805	8.747	ng	94
83) Chrysene	14.157	228	224749	10.568	ng	98
87) Indeno(1,2,3-cd)pyrene	17.198	276	71990	3.733	ng	98
88) Benzo(b)fluoranthene	15.198	252	239993m	12.086	ng	
89) Benzo(k)fluoranthene	15.221	252	75189m	3.818	ng	
90) Benzo(a)pyrene	15.580	252	145092	8.990	ng	98
92) Benzo(g,h,i)perylene	17.662	276	64375	4.019	ng	99

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

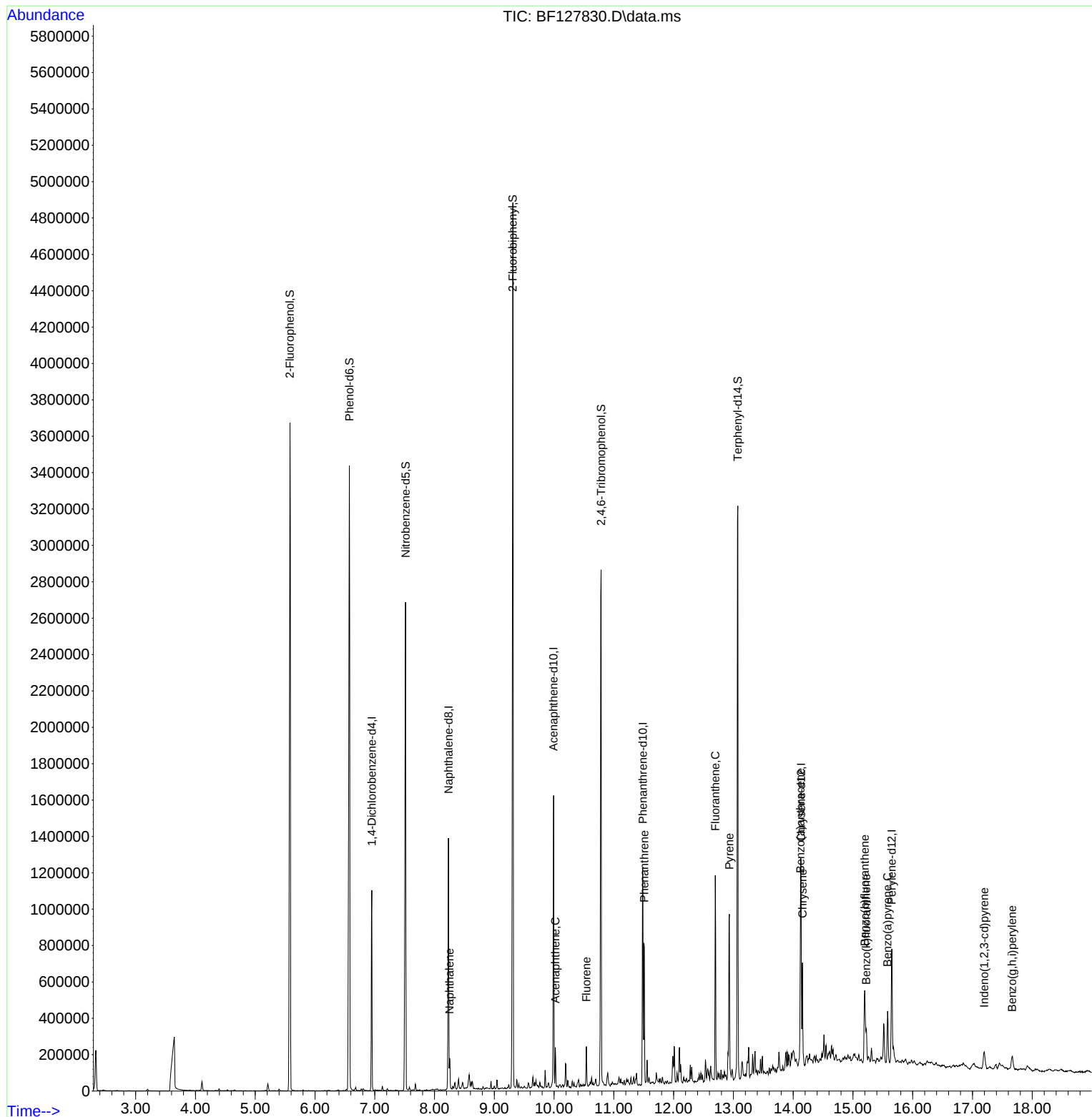
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127830.D
Acq On : 18 Apr 2022 17:32
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ALS Vial : 13 Sample Multiplier: 1

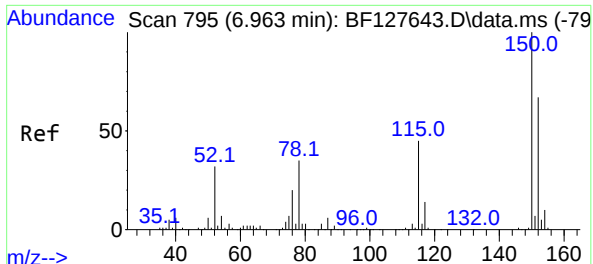
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Quant Time: Apr 19 05:15:53 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
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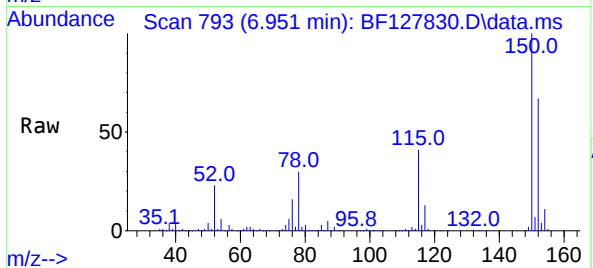
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

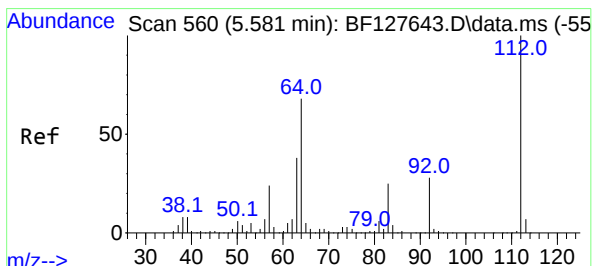
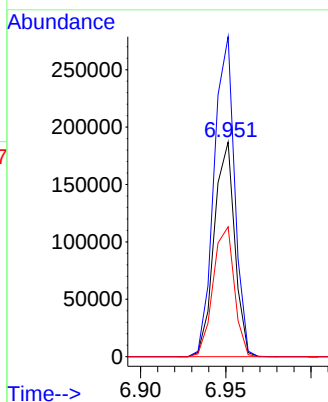
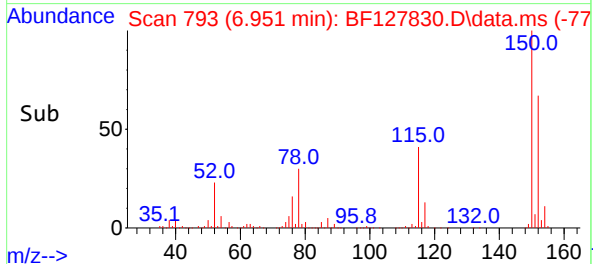
Instrument :
BNA_F
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282



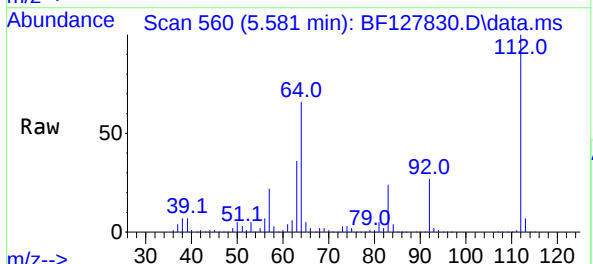
Tgt Ion:152 Resp: 15689
Ion Ratio Lower Upper
152 100
150 149.2 117.2 175.8
115 60.6 49.8 74.6

Manual Integrations
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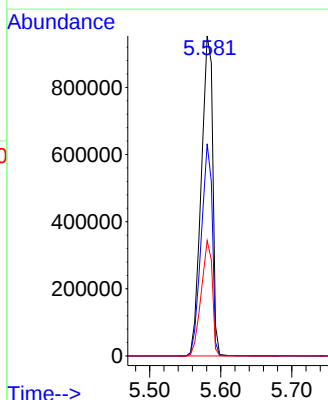
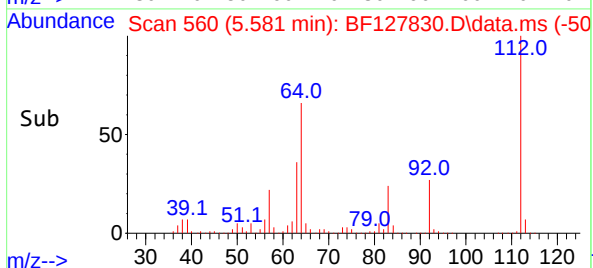
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#5
2-Fluorophenol
Concen: 111.355 ng
RT: 5.581 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32



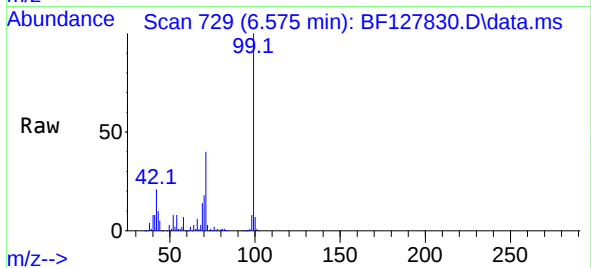
Tgt Ion:112 Resp: 1075193
Ion Ratio Lower Upper
112 100
64 66.3 58.4 87.6
63 36.1 30.1 45.1





#7
Phenol-d6
Concen: 107.418 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

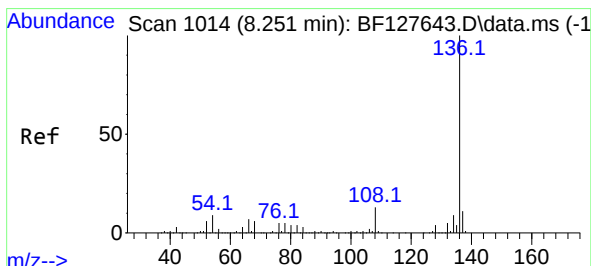
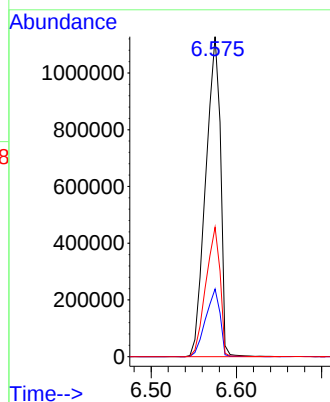
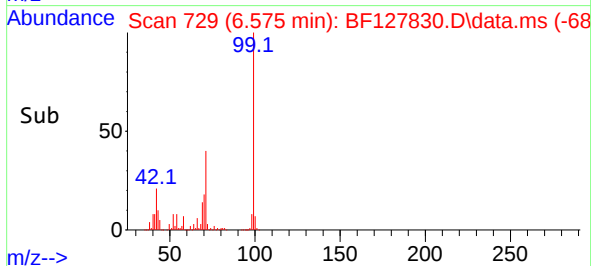
Instrument :
BNA_F
ClientSampleId :
282



Tgt Ion: 99 Resp: 135685
Ion Ratio Lower Upper
99 100
42 21.2 17.8 26.6
71 40.5 29.6 44.4

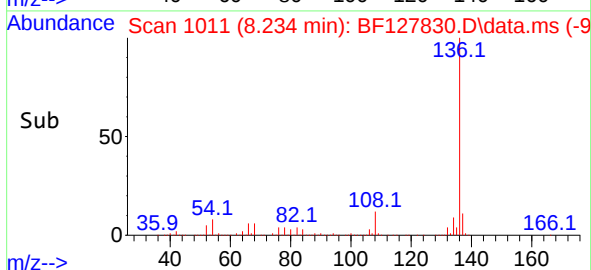
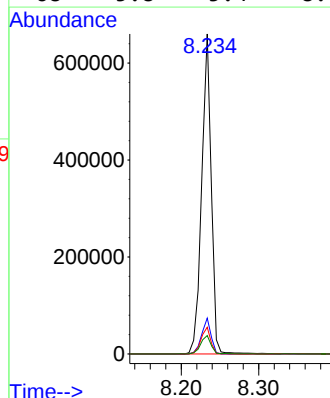
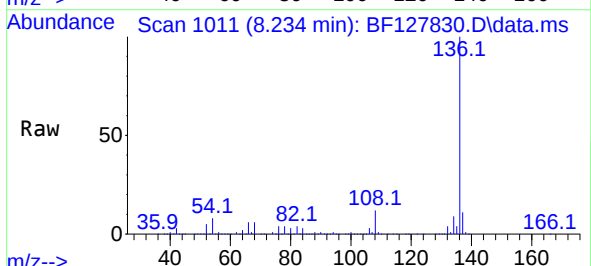
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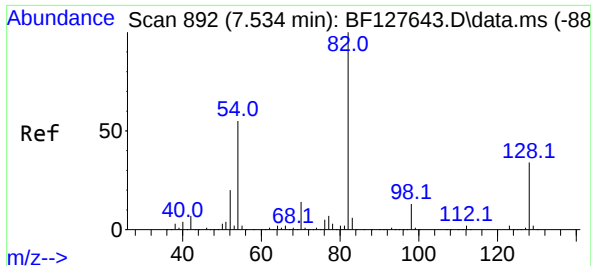
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:136 Resp: 566730
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.3 9.2 13.8#
68 5.8 5.4 8.0





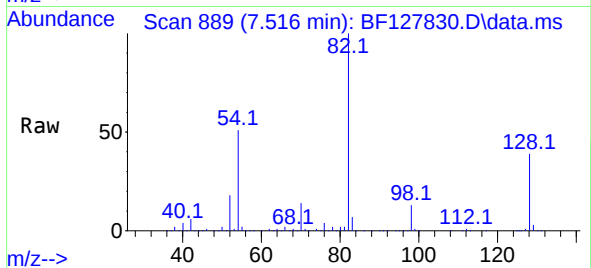
#23
Nitrobenzene-d5
Concen: 76.529 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Instrument :

BNA_F

ClientSampleId :

282

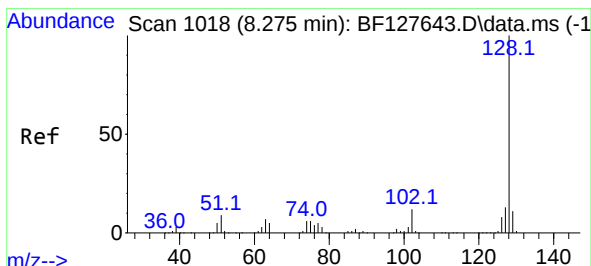
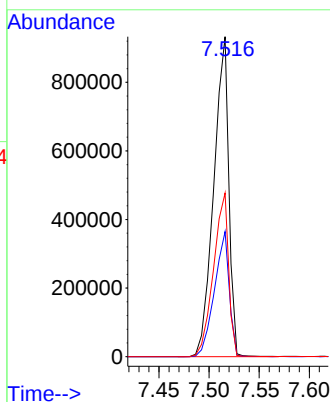
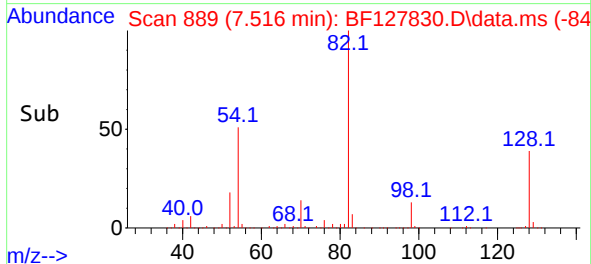


Tgt Ion: 82 Resp: 972850
Ion Ratio Lower Upper
82 100
128 39.1 30.6 45.8
54 51.1 48.2 72.2

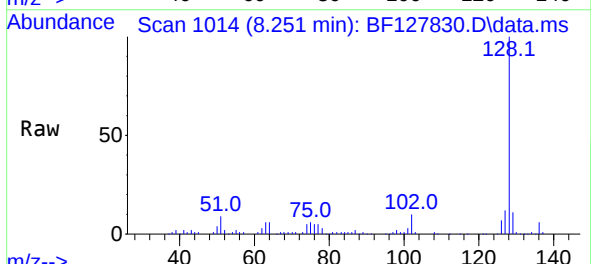
Manual Integrations

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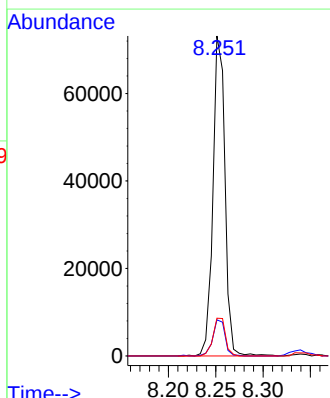
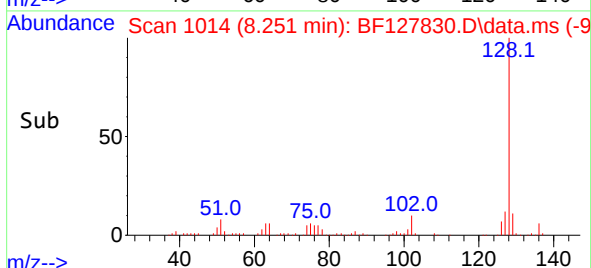
Reviewed By :Christian Giraldo 04/19/2022
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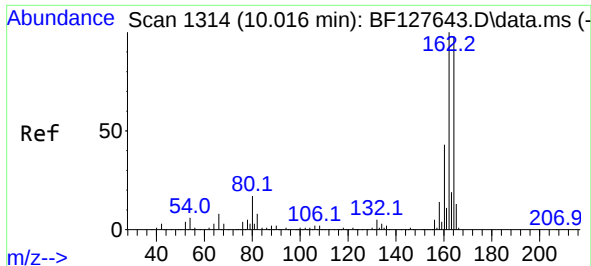


#31
Naphthalene
Concen: 2.184 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32



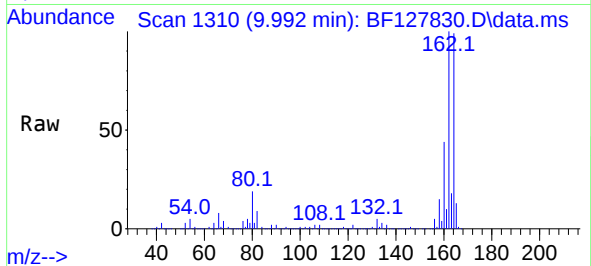
Tgt Ion:128 Resp: 64857
Ion Ratio Lower Upper
128 100
129 11.3 8.4 12.6
127 11.8 10.2 15.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

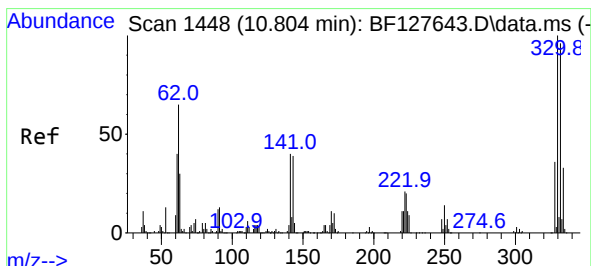
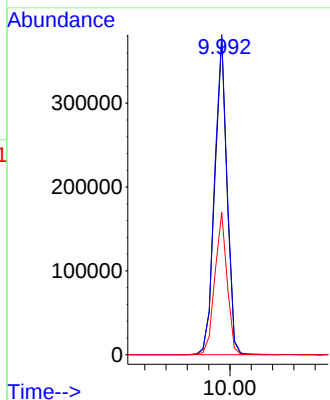
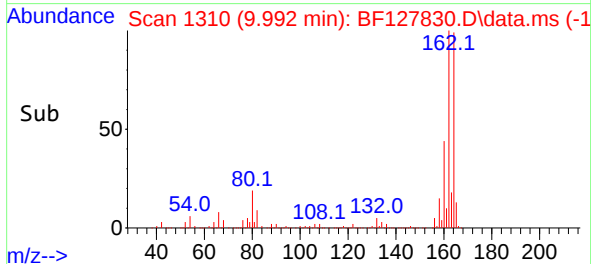
Instrument :
BNA_F
ClientSampleId :
282



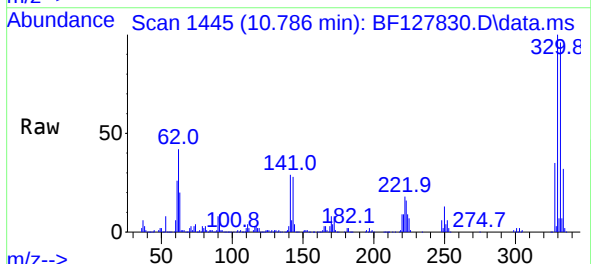
Tgt Ion:164 Resp: 30077
Ion Ratio Lower Upper
164 100
162 101.0 81.2 121.8
160 44.9 34.6 52.0

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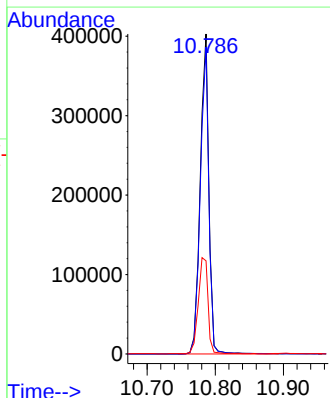
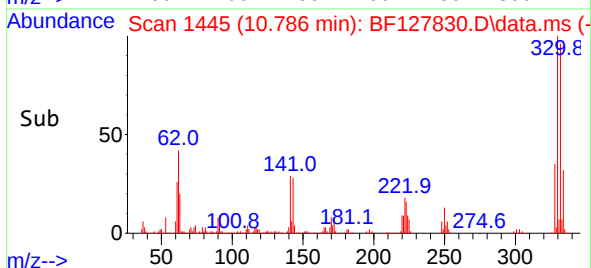
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

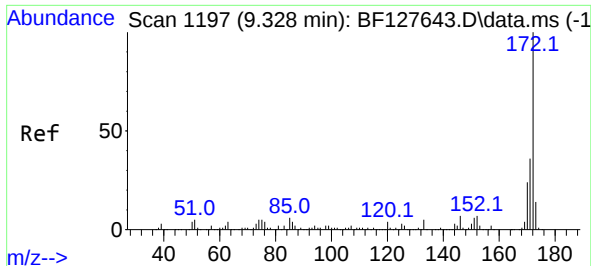


#42
2,4,6-Tribromophenol
Concen: 110.735 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32



Tgt Ion:330 Resp: 354425
Ion Ratio Lower Upper
330 100
332 95.5 79.1 118.7
141 34.3 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 70.410 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127830.D

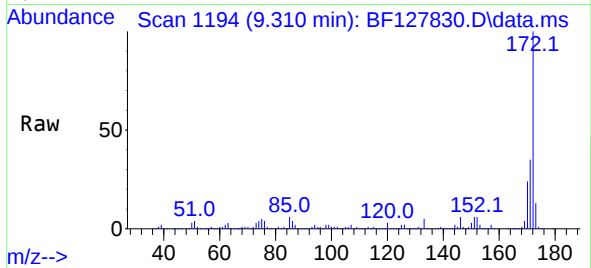
Acq: 18 Apr 2022 17:32

Instrument :

BNA_F

ClientSampleId :

282



Tgt Ion:172 Resp: 149697

Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

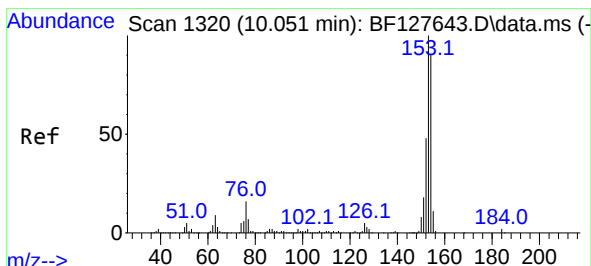
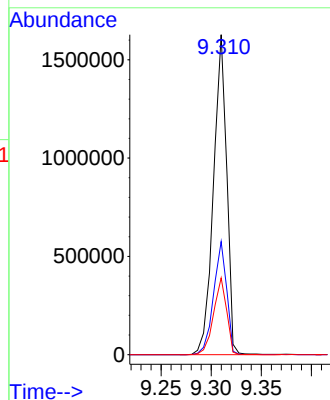
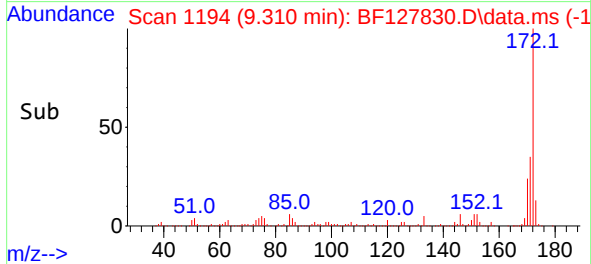
170 24.0 18.6 27.8

Manual Integrations

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Reviewed By :Christian Giraldo 04/19/2022

Supervised By :Jagrut Upadhyay 04/19/2022



#52

Acenaphthene

Concen: 2.280 ng

RT: 10.022 min Scan# 1315

Delta R.T. -0.018 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

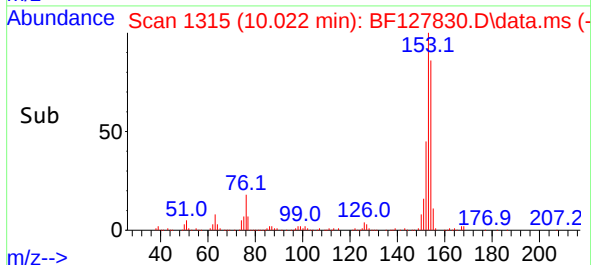
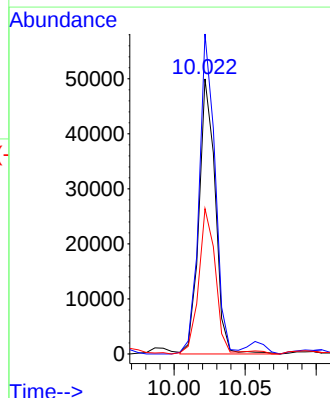
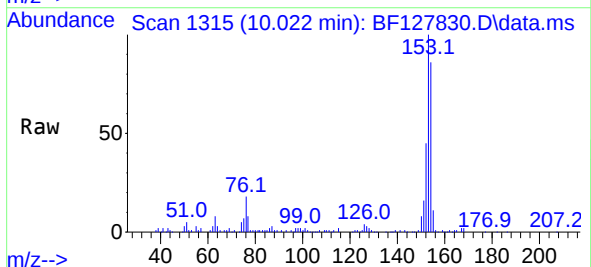
Tgt Ion:154 Resp: 39939

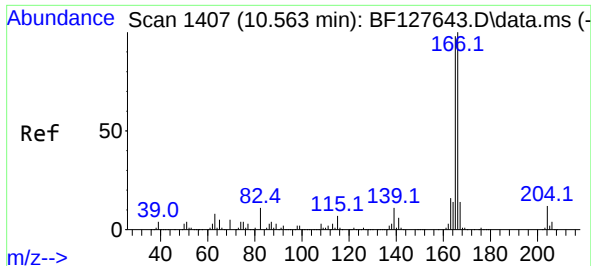
Ion Ratio Lower Upper

154 100

153 116.3 87.6 131.4

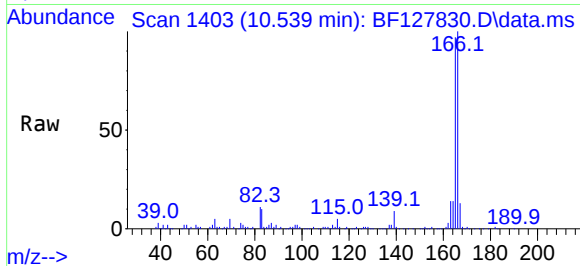
152 52.8 42.9 64.3





#58
Fluorene
Concen: 2.633 ng m
RT: 10.539 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

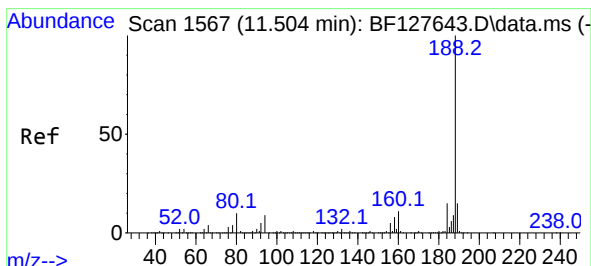
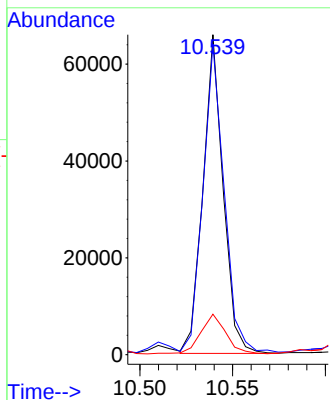
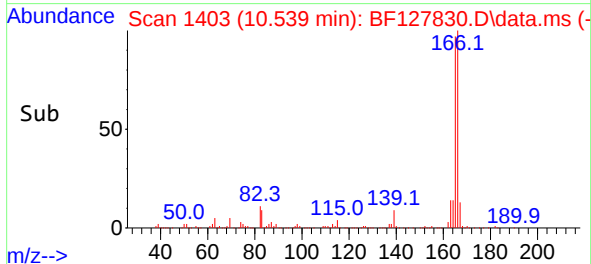
Instrument :
BNA_F
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282



Tgt Ion:166 Resp: 4972
Ion Ratio Lower Upper
166 100
165 97.1 78.1 117.1
167 12.7 10.5 15.7

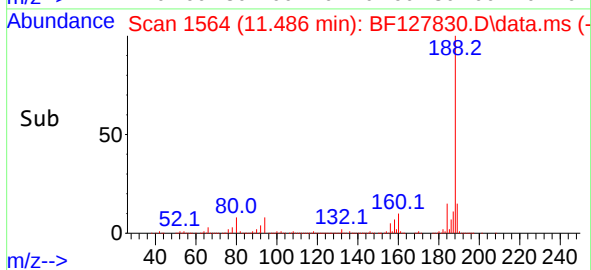
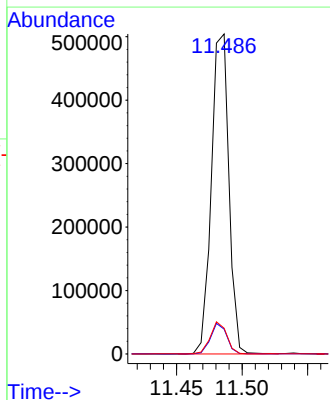
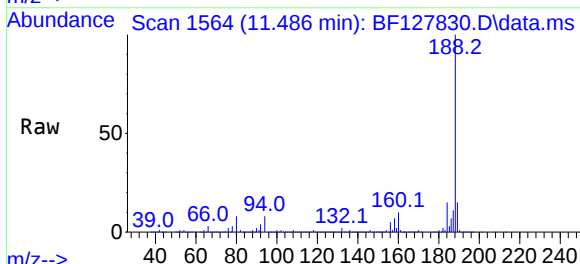
Manual Integrations
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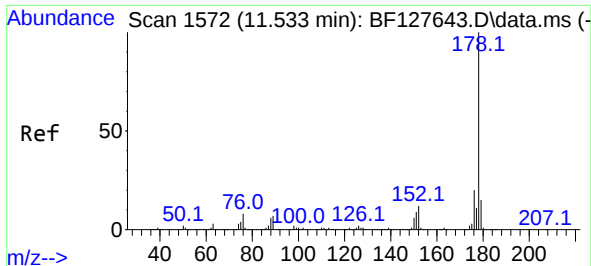
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

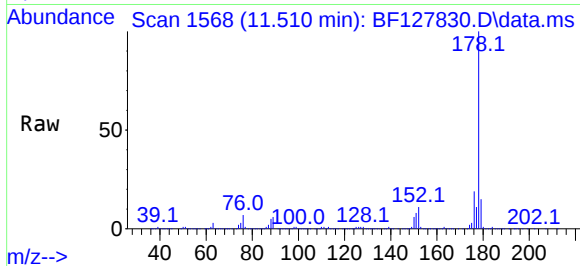
Tgt Ion:188 Resp: 469526
Ion Ratio Lower Upper
188 100
94 7.8 7.4 11.0
80 8.1 8.0 12.0





#71
Phenanthrene
Concen: 11.674 ng
RT: 11.510 min Scan# 11510
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

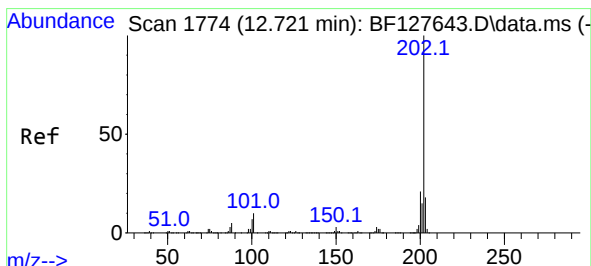
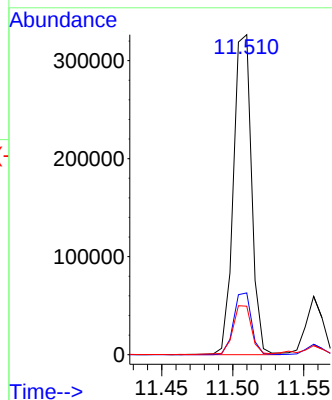
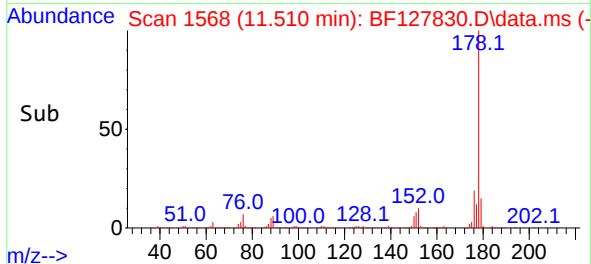
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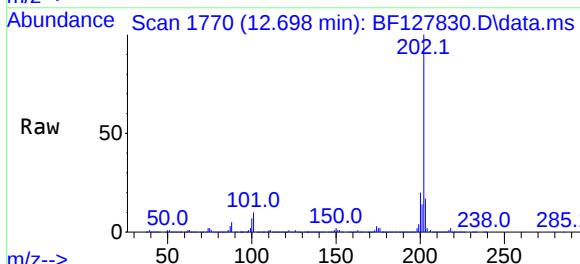
Tgt Ion:178 Resp: 290407
Ion Ratio Lower Upper
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176 19.3 15.4 23.2
179 15.2 12.4 18.6

Manual Integrations
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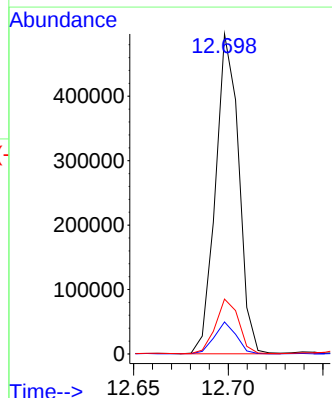
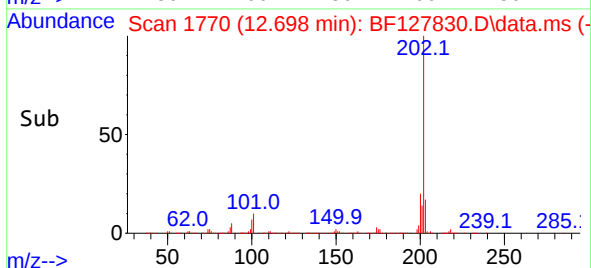
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

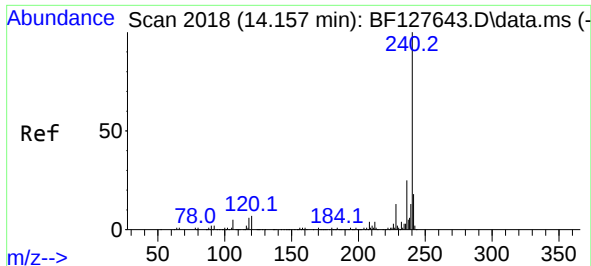


#75
Fluoranthene
Concen: 15.617 ng
RT: 12.698 min Scan# 1770
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32



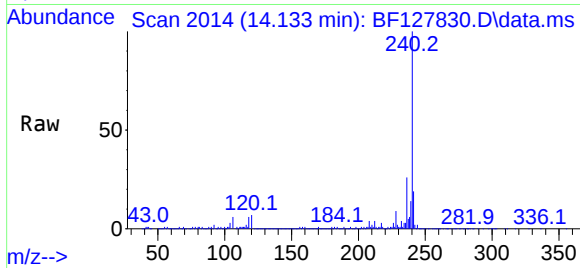
Tgt Ion:202 Resp: 423958
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.0
203 17.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

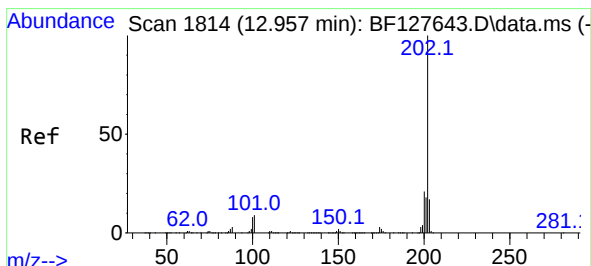
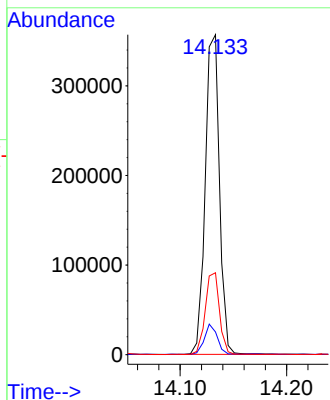
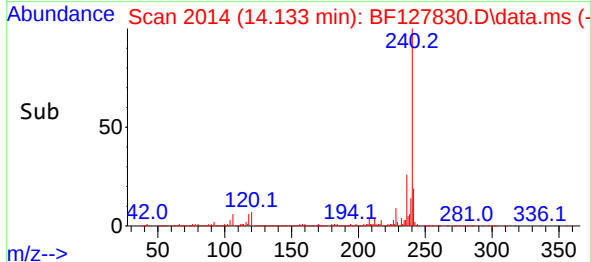
Instrument :
BNA_F
ClientSampleId :
282



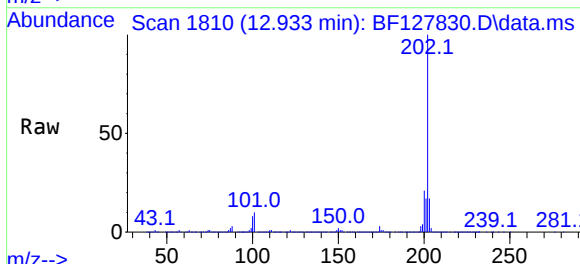
Tgt Ion:240 Resp: 331728
Ion Ratio Lower Upper
240 100
120 7.1 7.1 10.7
236 25.6 20.7 31.1

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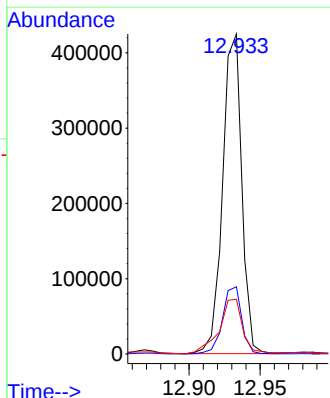
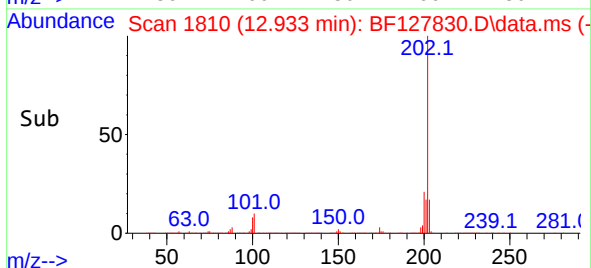
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

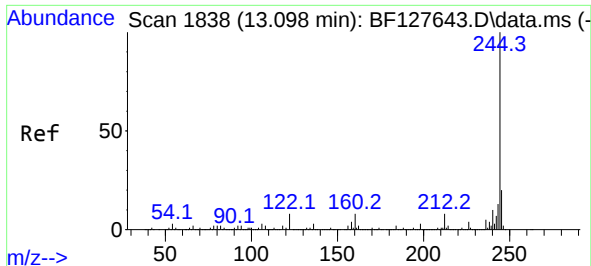


#78
Pyrene
Concen: 14.190 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32



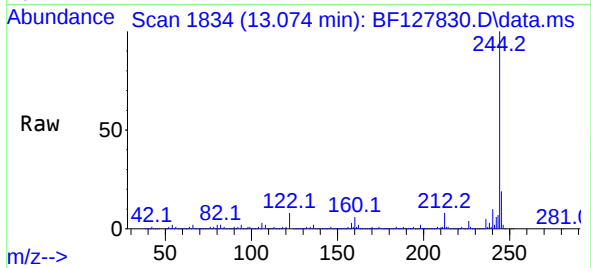
Tgt Ion:202 Resp: 397485
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 59.260 ng
 RT: 13.074 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127830.D
 Acq: 18 Apr 2022 17:32

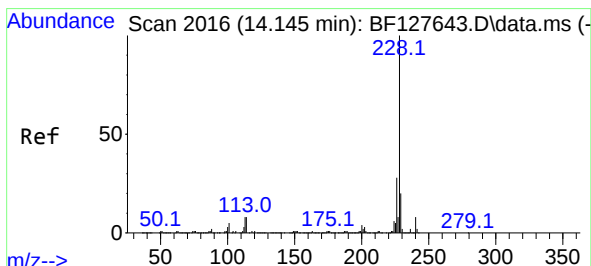
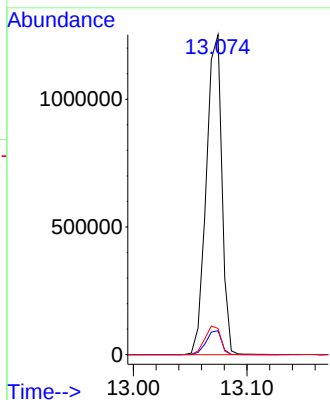
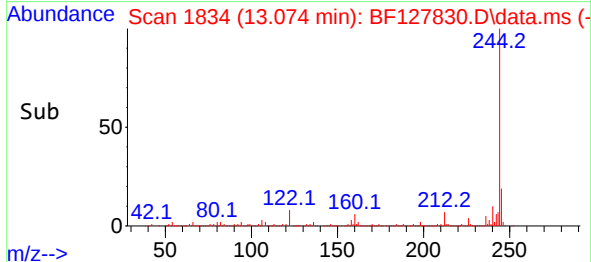
Instrument :
 BNA_F
 ClientSampleId :
 282



Tgt Ion:244 Resp: 1190962
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 8.2 6.2 9.2

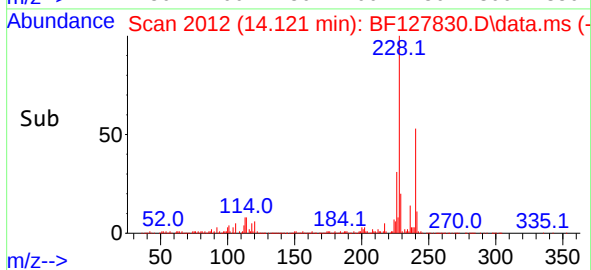
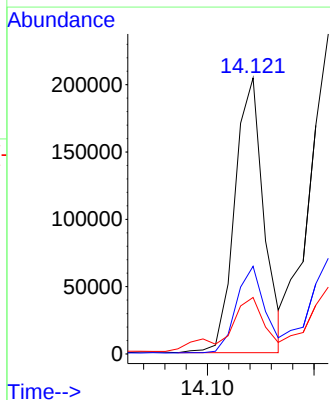
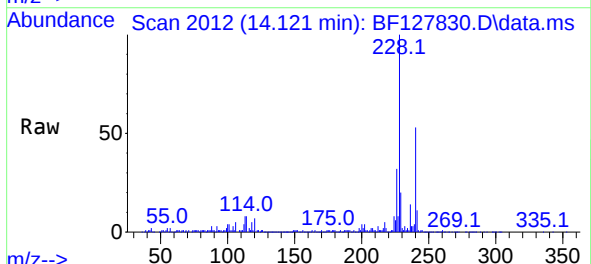
Manual Integrations
 APPROVED

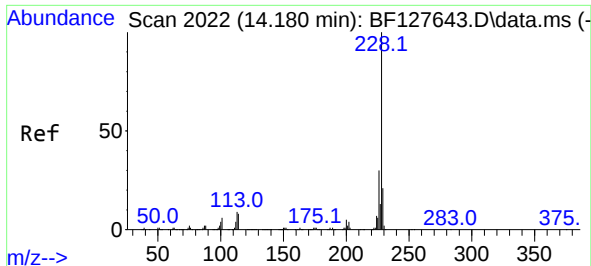
Reviewed By :Christian Giraldo 04/19/2022
 Supervised By :Jagrut Upadhyay 04/19/2022



#81
 Benzo(a)anthracene
 Concen: 8.747 ng
 RT: 14.121 min Scan# 2012
 Delta R.T. -0.012 min
 Lab File: BF127830.D
 Acq: 18 Apr 2022 17:32

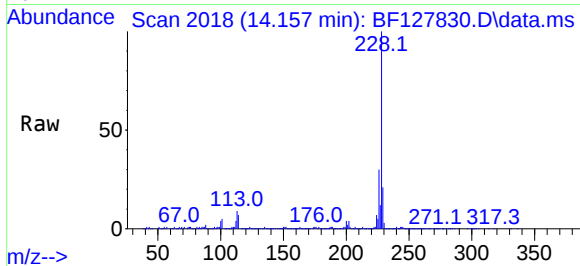
Tgt Ion:228 Resp: 193805
 Ion Ratio Lower Upper
 228 100
 226 31.8 21.6 32.4
 229 20.5 15.4 23.2





#83
Chrysene
Concen: 10.568 ng
RT: 14.157 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

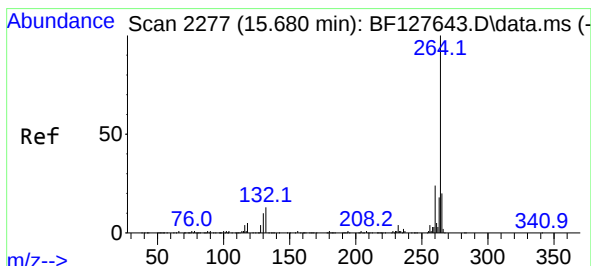
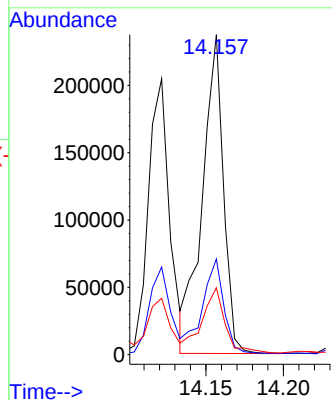
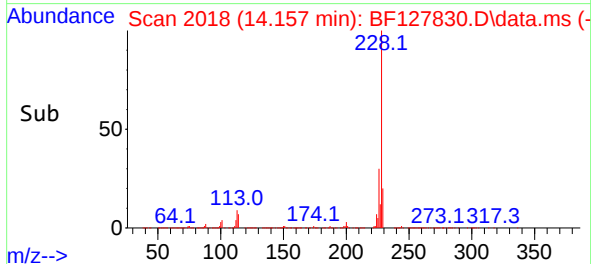
Instrument :
BNA_F
ClientSampleId :
282



Tgt Ion:228 Resp: 224749
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.4
229 20.9 15.4 23.2

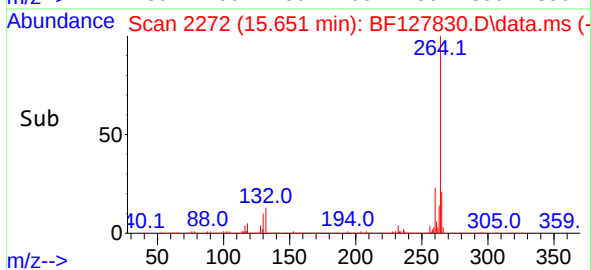
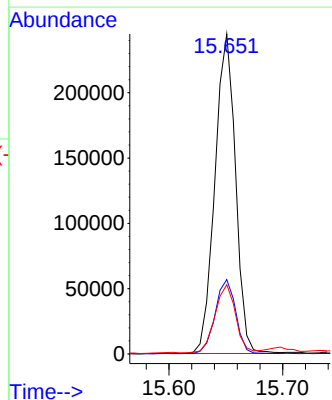
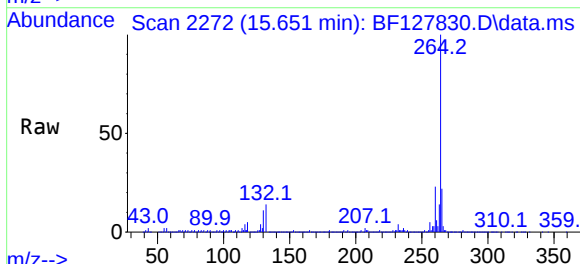
Manual Integrations
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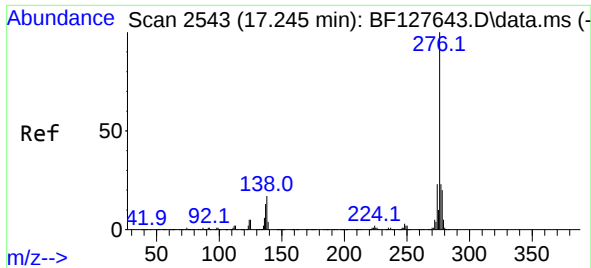
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:264 Resp: 308675
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.6 17.4 26.2





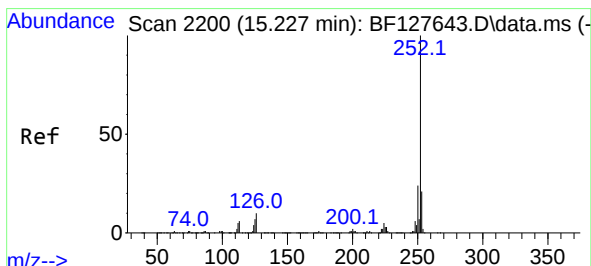
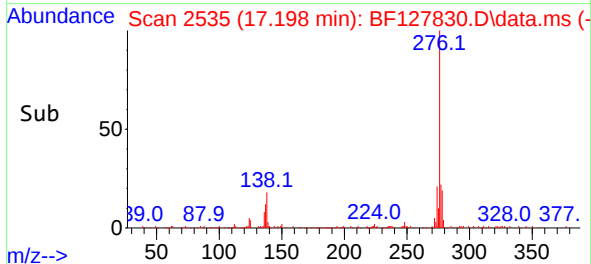
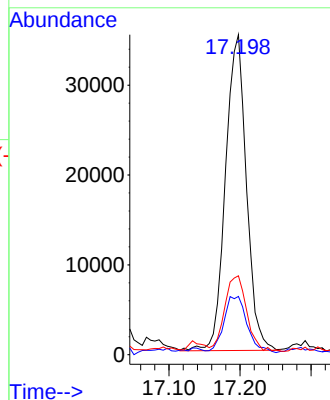
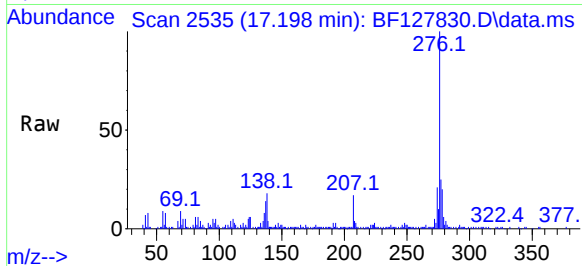
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.733 ng
RT: 17.198 min Scan# 2199
Delta R.T. -0.029 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Instrument :
BNA_F
ClientSampleId :
282

Tgt Ion:276 Resp: 71990
Ion Ratio Lower Upper
276 100
138 19.7 17.1 25.7
277 25.1 19.9 29.9

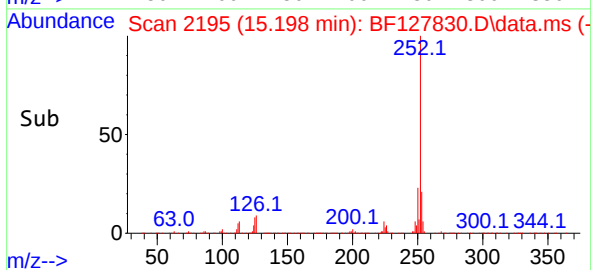
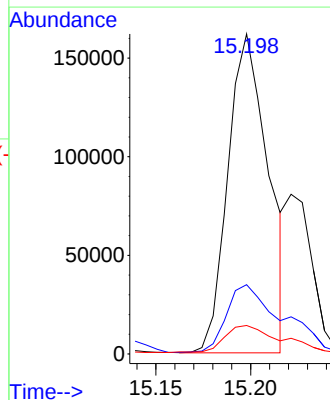
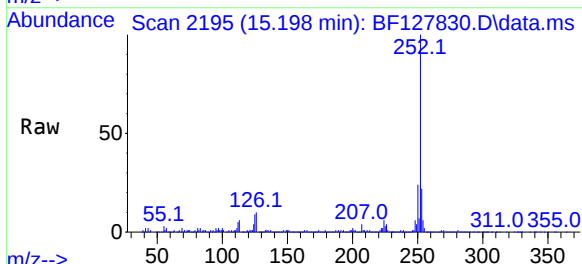
Manual Integrations
APPROVED

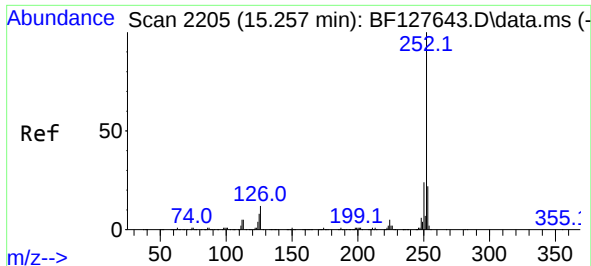
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#88
Benzo(b)fluoranthene
Concen: 12.086 ng m
RT: 15.198 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Tgt Ion:252 Resp: 239993
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 8.9 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 3.818 ng m

RT: 15.221 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

Instrument :

BNA_F

ClientSampleId :

282

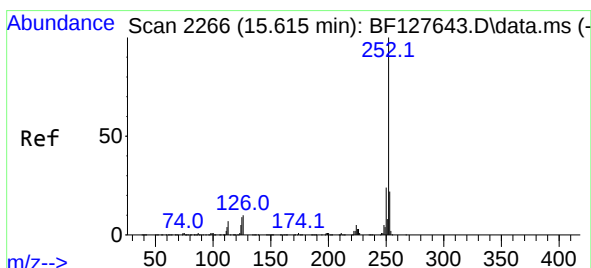
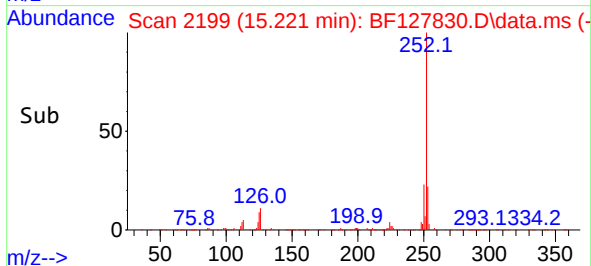
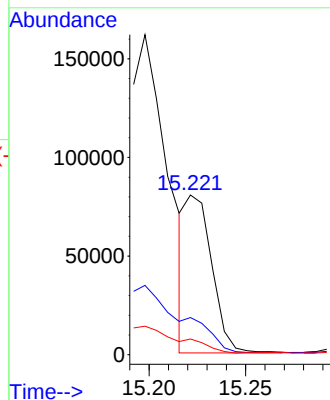
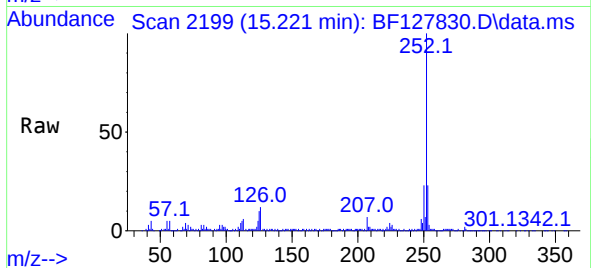
Tgt Ion:	252	Resp:	75189
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.3	25.9
125	9.8	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/19/2022

Supervised By :Jagrut Upadhyay 04/19/2022



#90

Benzo(a)pyrene

Concen: 8.990 ng

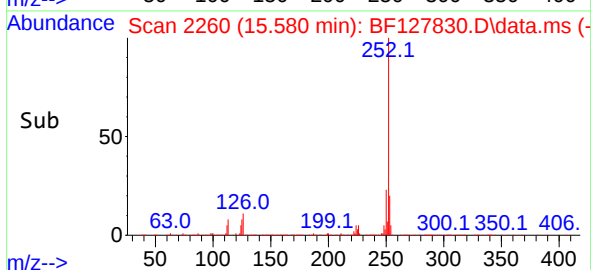
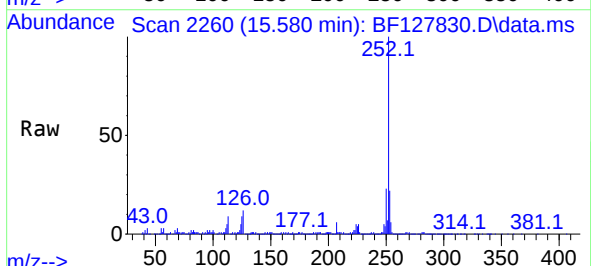
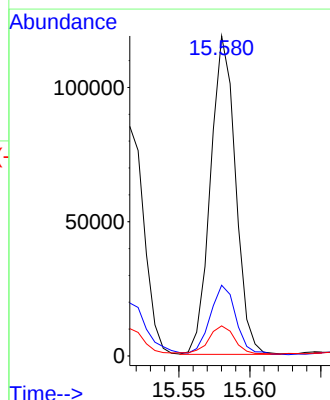
RT: 15.580 min Scan# 2260

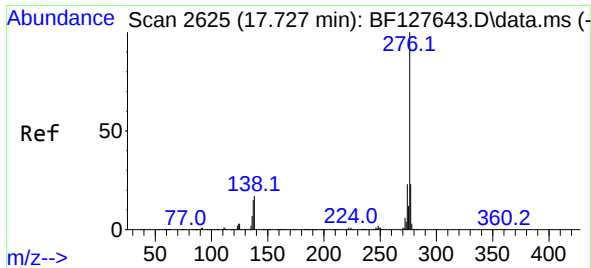
Delta R.T. -0.018 min

Lab File: BF127830.D

Acq: 18 Apr 2022 17:32

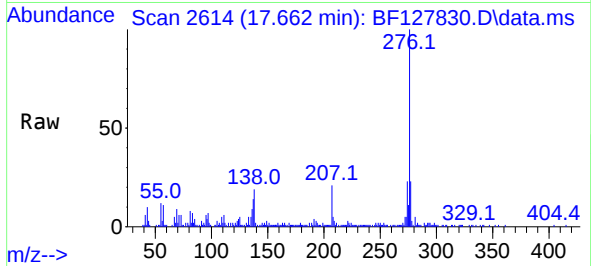
Tgt Ion:	252	Resp:	145092
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	9.4	6.7	10.1





#92
Benzo(g,h,i)perylene
Concen: 4.019 ng
RT: 17.662 min Scan# 20
Delta R.T. -0.041 min
Lab File: BF127830.D
Acq: 18 Apr 2022 17:32

Instrument :
BNA_F
ClientSampleId :
282



Tgt Ion:	276	Resp:	64375
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.0	28.4
138	19.2	14.6	22.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

