

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131165.D
 Acq On : 11 Nov 2022 21:31
 Operator : CG\JU
 Sample : N5556-02 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-2

Quant Time: Nov 12 00:07:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	90587	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	297016	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	108525	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	212185	20.000	ng	0.00
76) Chrysene-d12	14.057	240	132234	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	96225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	169147	31.754	ng	0.00
7) Phenol-d6	6.498	99	285952	41.061	ng	0.00
23) Nitrobenzene-d5	7.434	82	184486	28.025	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	13553	12.084	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	253989	32.671	ng	0.00
79) Terphenyl-d14	12.992	244	216690	28.731	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.945	154	14970	2.412	ng	98
58) Fluorene	10.463	166	23089	3.093	ng	93
71) Phenanthrene	11.433	178	200786	17.205	ng	99
72) Anthracene	11.486	178	60200	5.315	ng	98
75) Fluoranthene	12.627	202	211836	18.134	ng	99
78) Pyrene	12.857	202	206354	18.189	ng	99
81) Benzo(a)anthracene	14.045	228	83983	8.886	ng	97
83) Chrysene	14.080	228	72332	8.103	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	31943	7.595	ng	99
88) Benzo(b)fluoranthene	15.115	252	67138m	9.869	ng	
89) Benzo(k)fluoranthene	15.139	252	27259m	4.169	ng	
90) Benzo(a)pyrene	15.486	252	49046	8.992	ng	# 90
92) Benzo(g,h,i)perylene	17.515	276	28511	8.196	ng	# 91

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

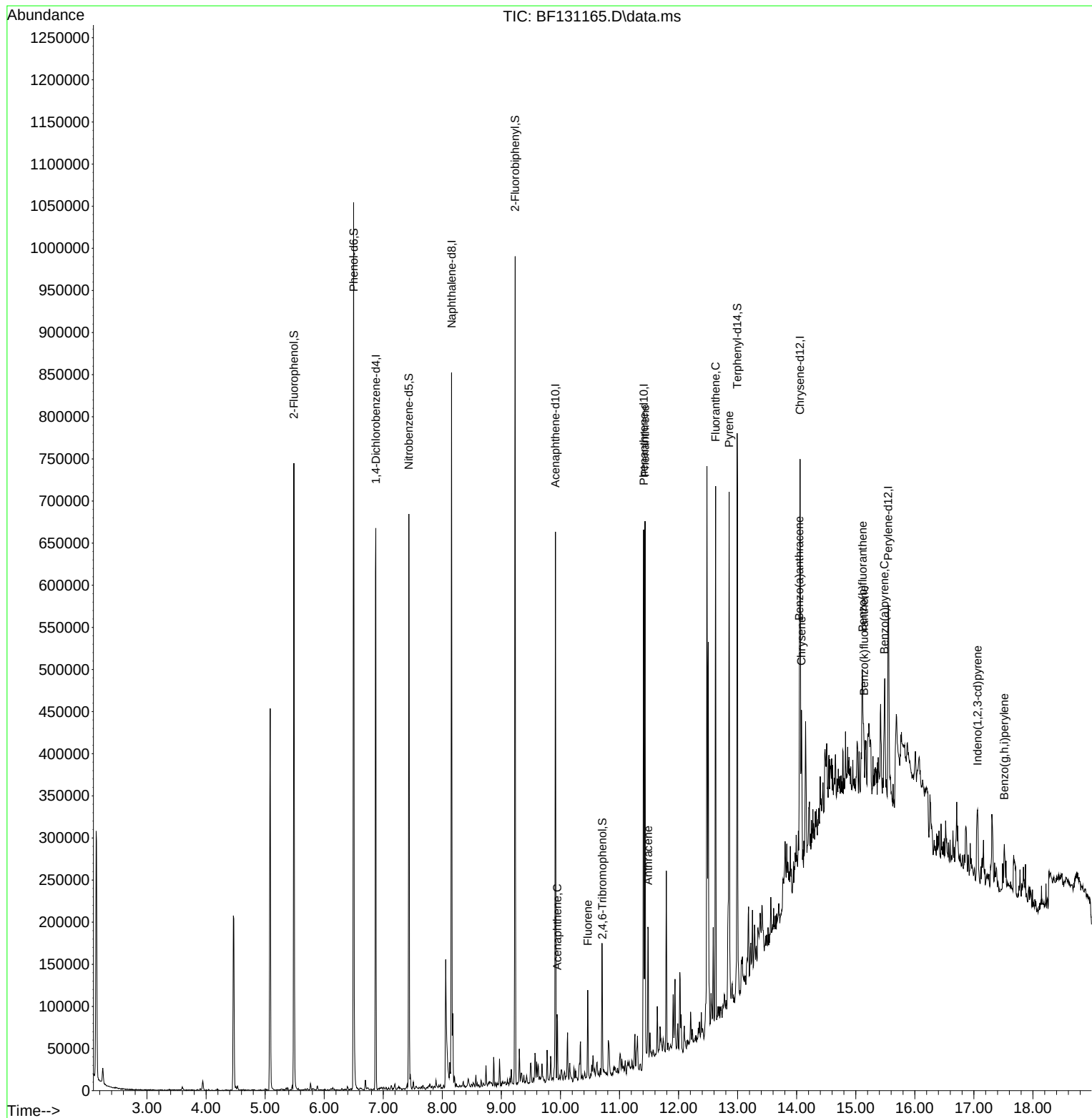
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131165.D
Acq On : 11 Nov 2022 21:31
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ALS Vial : 10 Sample Multiplier: 1

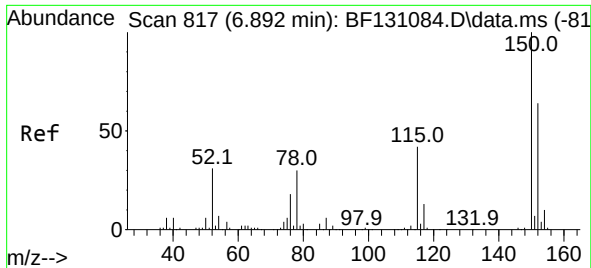
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
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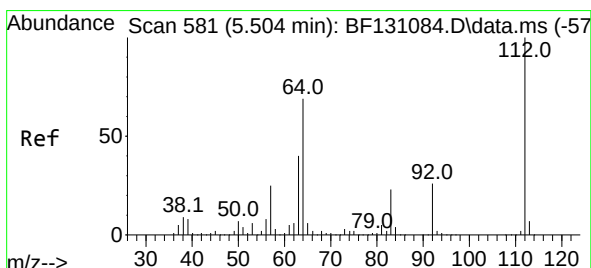
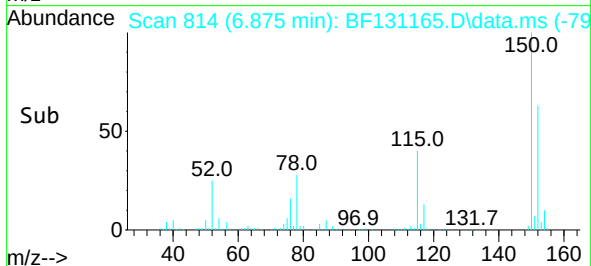
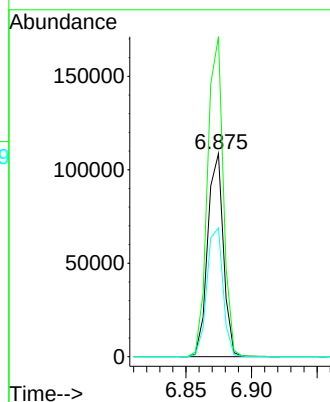
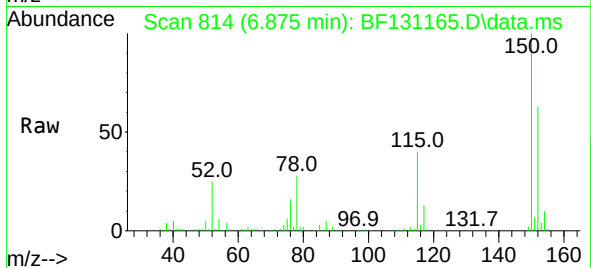
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

Instrument :
BNA_F
ClientSampleId :
RM-2

Tgt Ion:152 Resp: 9058
Ion Ratio Lower Upper
152 100
150 157.6 125.5 188.3
115 63.5 52.2 78.2

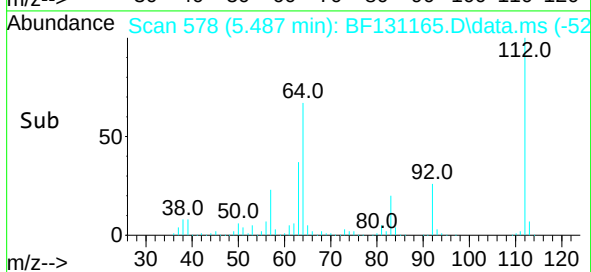
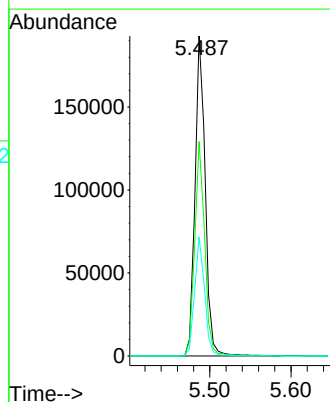
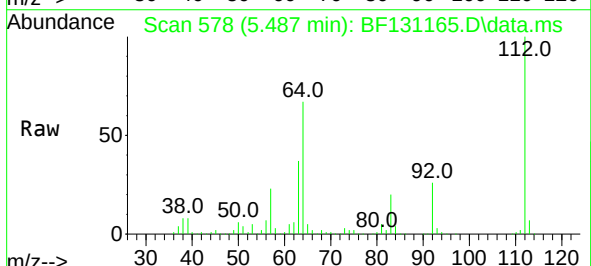
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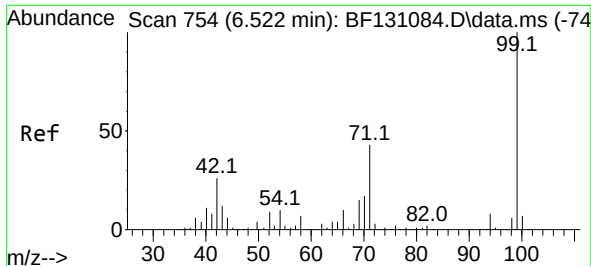
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#5
2-Fluorophenol
Concen: 31.754 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

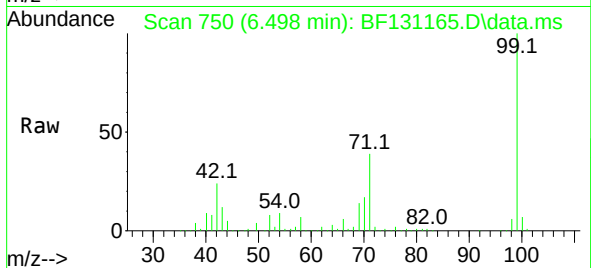
Tgt Ion:112 Resp: 169147
Ion Ratio Lower Upper
112 100
64 67.0 55.1 82.7
63 37.2 32.4 48.6





#7
Phenol-d6
Concen: 41.061 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

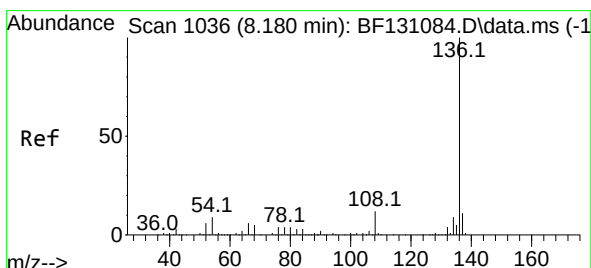
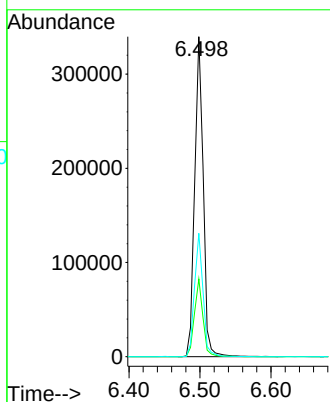
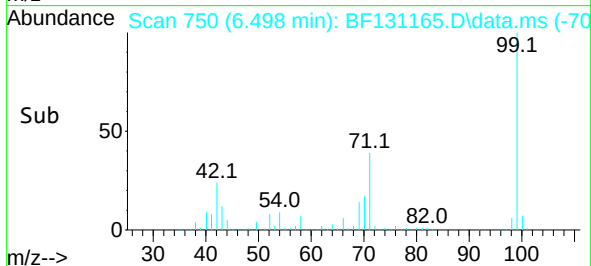
Instrument :
BNA_F
ClientSampleId :
RM-2



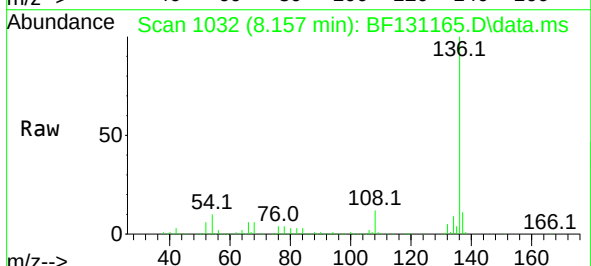
Tgt Ion: 99 Resp: 285952
Ion Ratio Lower Upper
99 100
42 24.3 20.8 31.2
71 38.6 34.2 51.4

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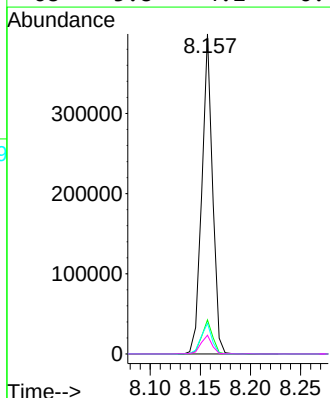
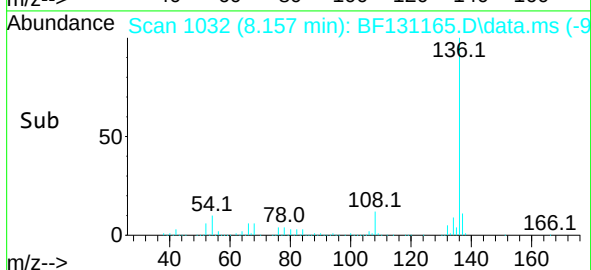
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

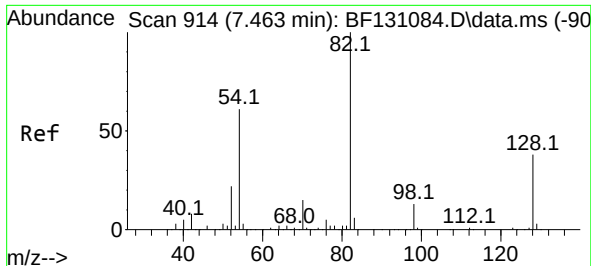


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31



Tgt Ion:136 Resp: 297016
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.5 7.2 10.8
68 5.8 4.2 6.4





#23

Nitrobenzene-d5

Concen: 28.025 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF131165.D

Acq: 11 Nov 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RM-2

Tgt Ion: 82 Resp: 184480

Ion Ratio Lower Upper

82 100

128 38.9 30.5 45.7

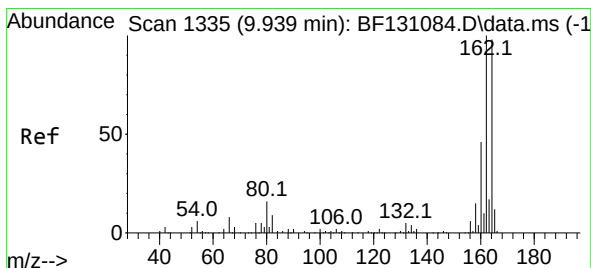
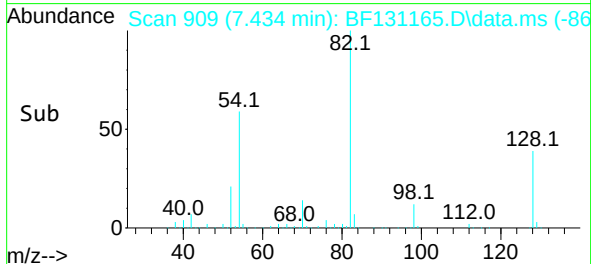
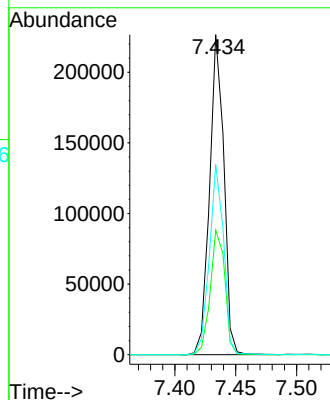
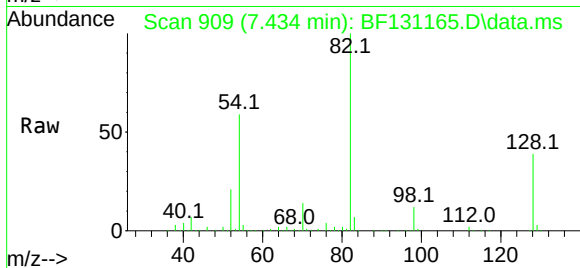
54 59.4 49.1 73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF131165.D

Acq: 11 Nov 2022 21:31

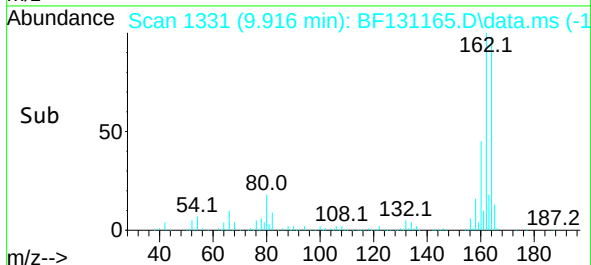
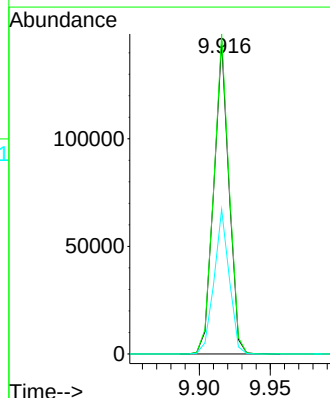
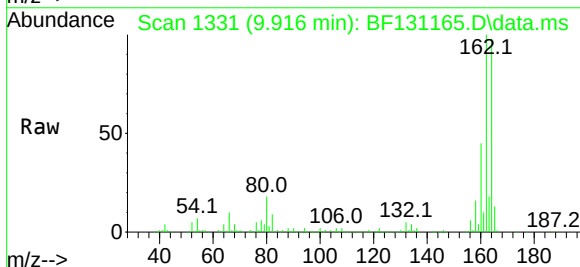
Tgt Ion:164 Resp: 108525

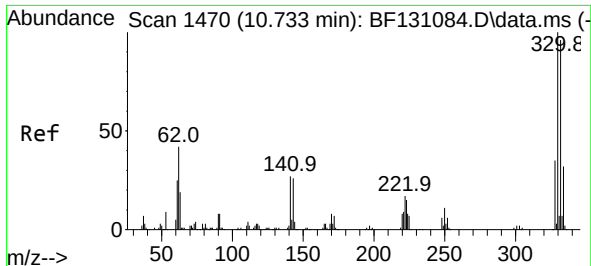
Ion Ratio Lower Upper

164 100

162 102.3 81.7 122.5

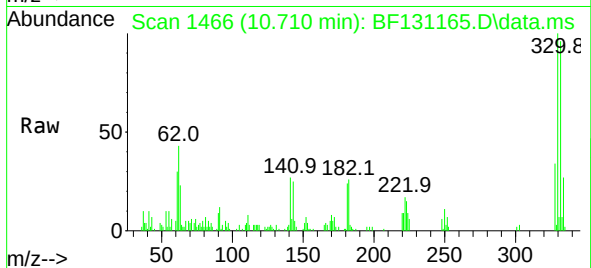
160 46.2 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 12.084 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

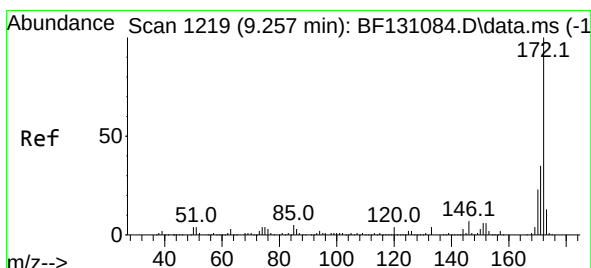
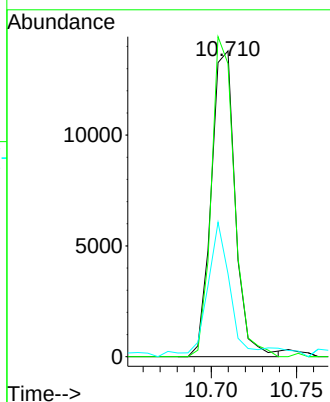
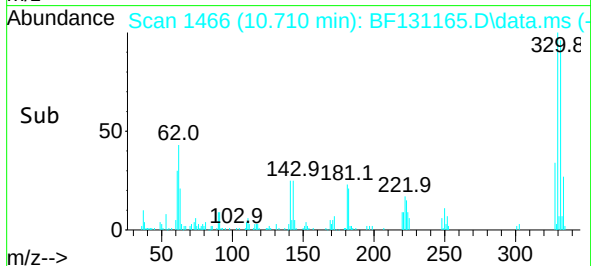
Instrument :
BNA_F
ClientSampleId :
RM-2



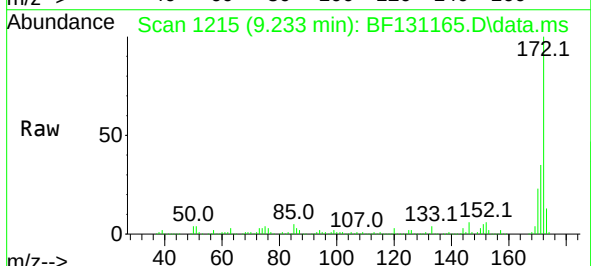
Tgt Ion: 330 Resp: 1355
Ion Ratio Lower Upper
330 100
332 99.8 77.0 115.4
141 41.0 28.5 42.7

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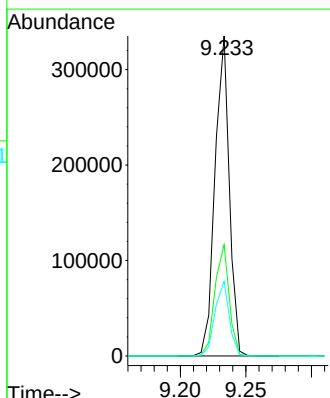
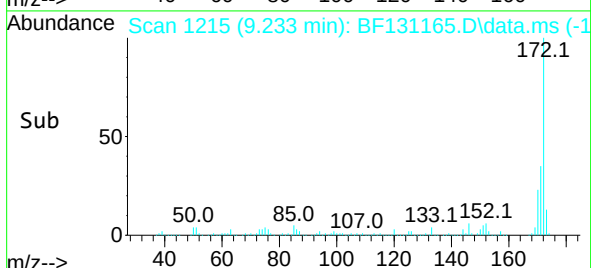
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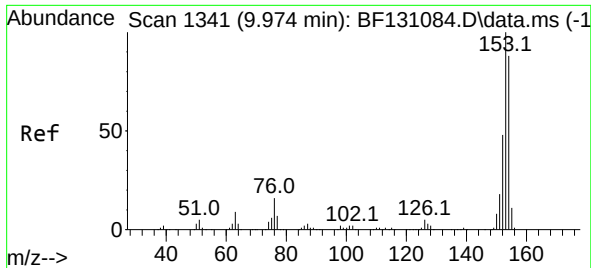


#45
2-Fluorobiphenyl
Concen: 32.671 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31



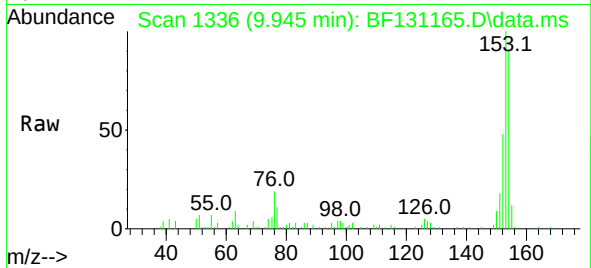
Tgt Ion: 172 Resp: 253989
Ion Ratio Lower Upper
172 100
171 34.8 27.7 41.5
170 23.3 18.8 28.2





#52
Acenaphthene
Concen: 2.412 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

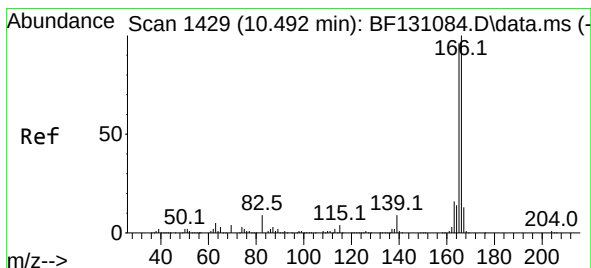
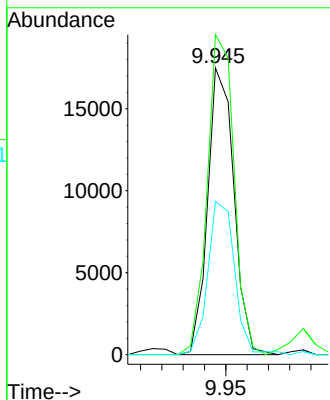
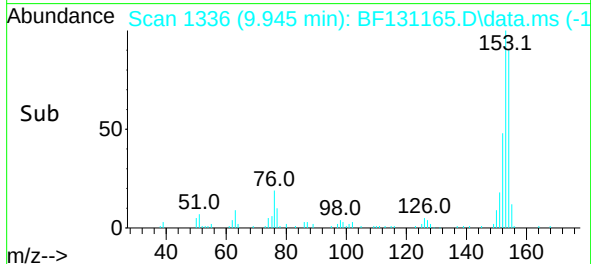
Instrument :
BNA_F
ClientSampleId :
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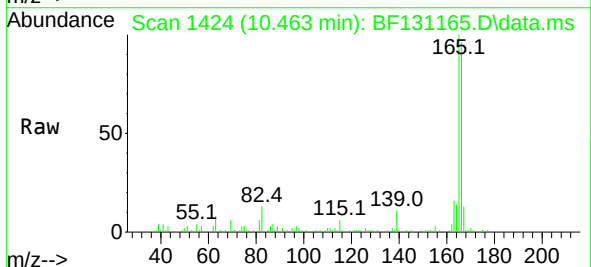
Tgt Ion:154 Resp: 14970
Ion Ratio Lower Upper
154 100
153 111.6 90.8 136.2
152 53.4 43.4 65.2

Manual Integrations
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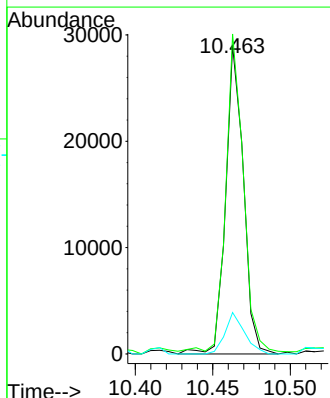
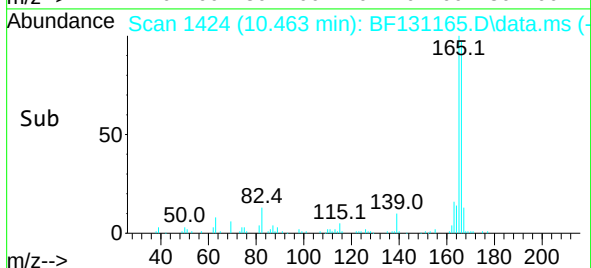
Reviewed By :Christian Giraldo 11/12/2022
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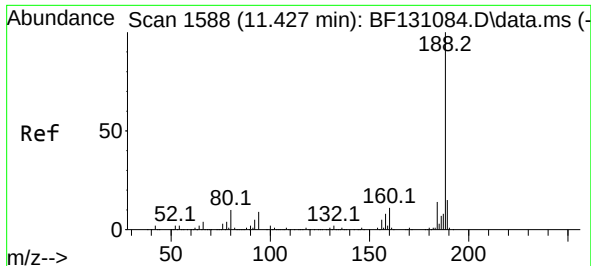


#58
Fluorene
Concen: 3.093 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31



Tgt Ion:166 Resp: 23089
Ion Ratio Lower Upper
166 100
165 103.8 77.2 115.8
167 13.5 10.2 15.4





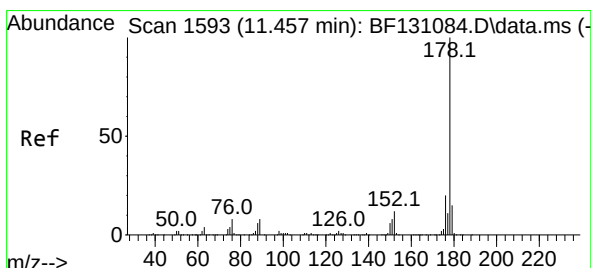
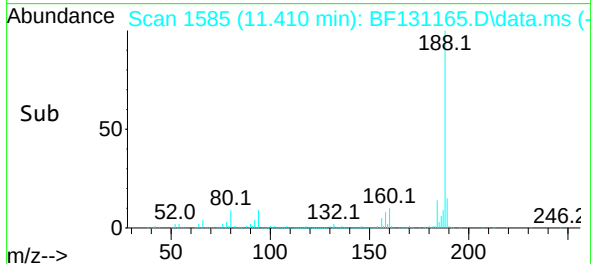
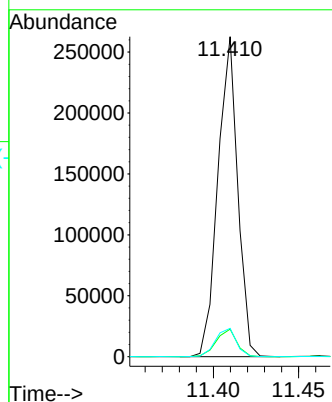
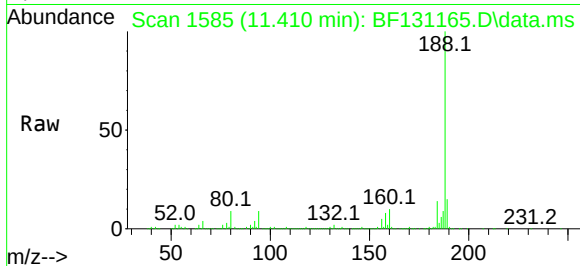
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

Instrument :
BNA_F
ClientSampleId :
RM-2

Tgt Ion:188 Resp: 212188
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 8.9 7.9 11.9

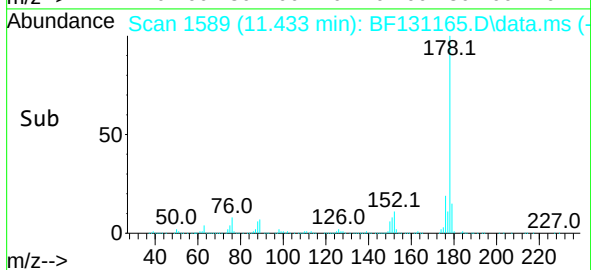
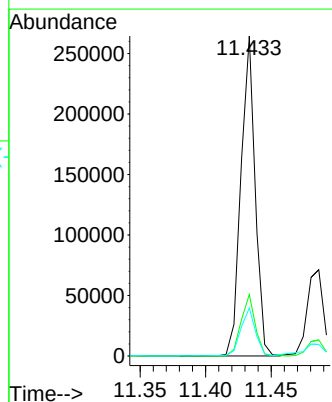
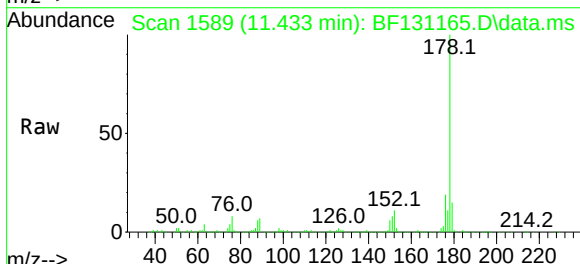
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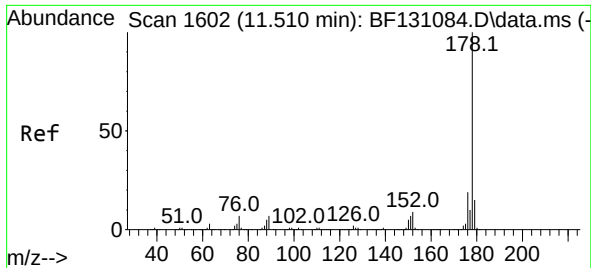
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#71
Phenanthrene
Concen: 17.205 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

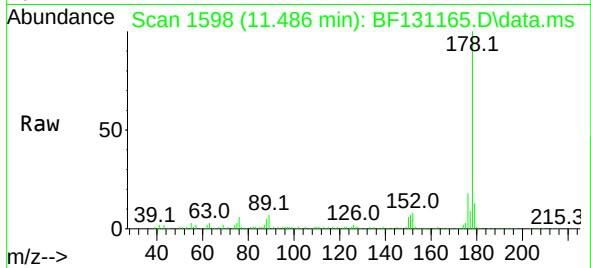
Tgt Ion:178 Resp: 200786
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.0 12.2 18.2





#72
 Anthracene
 Concen: 5.315 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF131165.D
 Acq: 11 Nov 2022 21:31

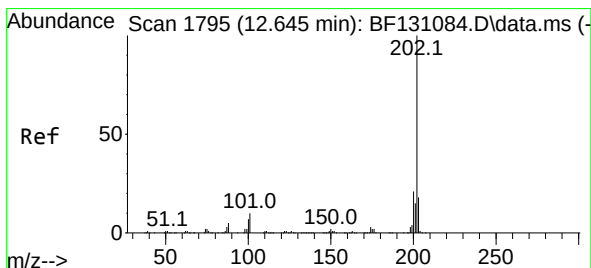
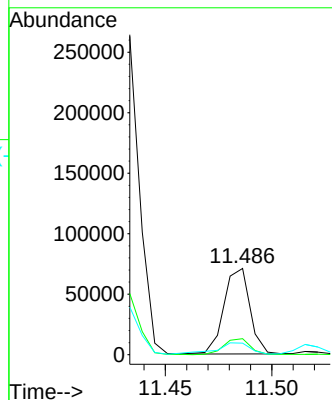
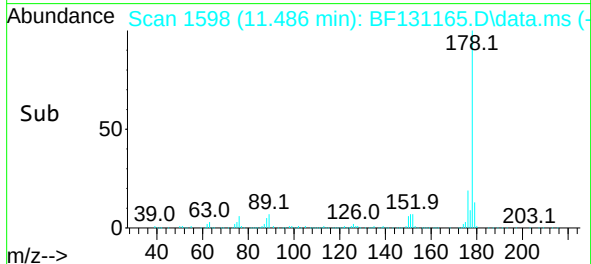
Instrument :
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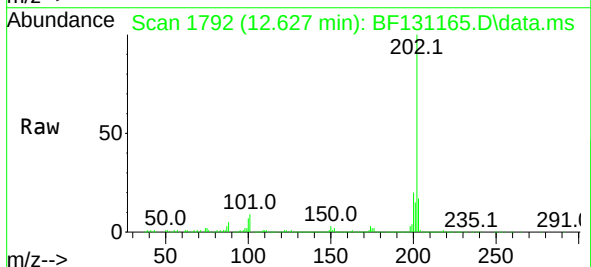
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 Ion Ratio Lower Upper
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 176 18.5 15.0 22.6
 179 13.4 11.8 17.8

Manual Integrations
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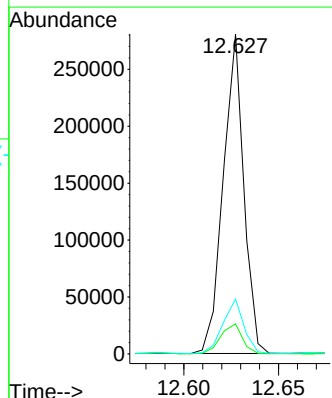
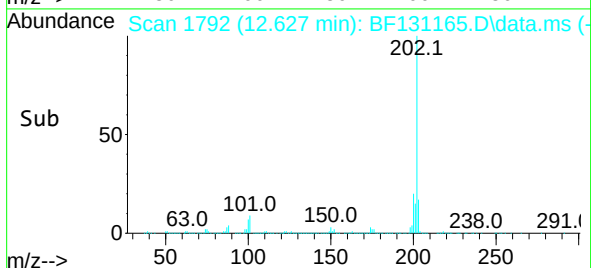
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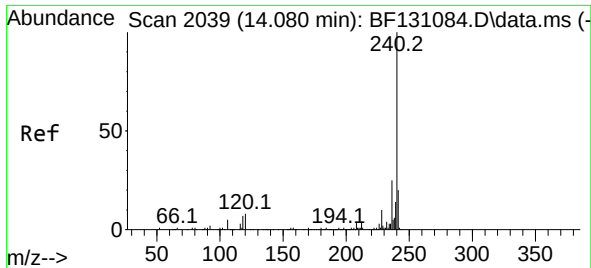


#75
 Fluoranthene
 Concen: 18.134 ng
 RT: 12.627 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF131165.D
 Acq: 11 Nov 2022 21:31



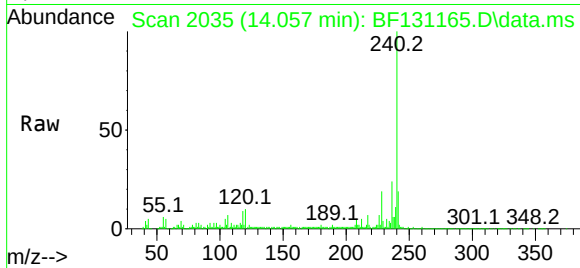
Tgt Ion:202 Resp: 211836
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 30.0
 203 17.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

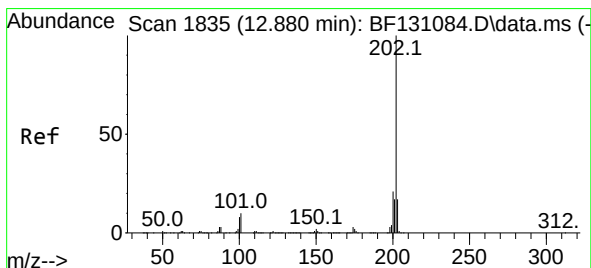
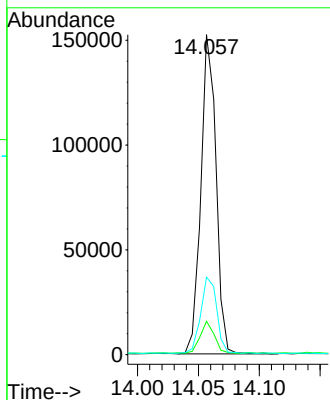
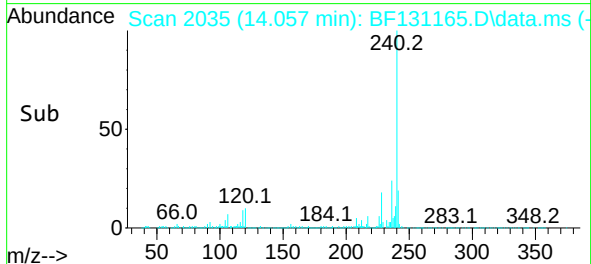
Instrument :
BNA_F
ClientSampleId :
RM-2



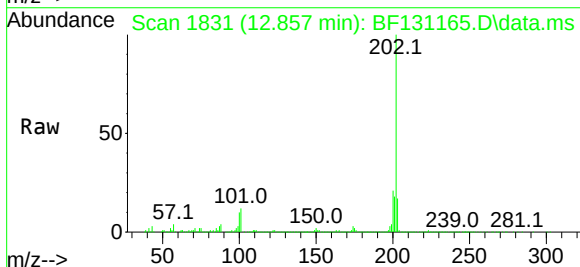
Tgt Ion:240 Resp: 132234
Ion Ratio Lower Upper
240 100
120 10.4 6.5 9.7
236 24.3 19.7 29.5

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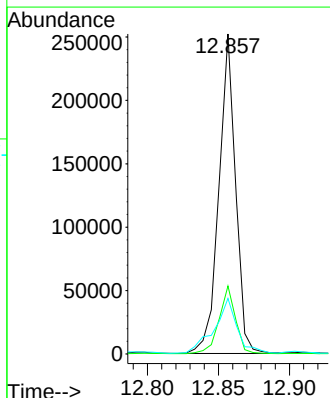
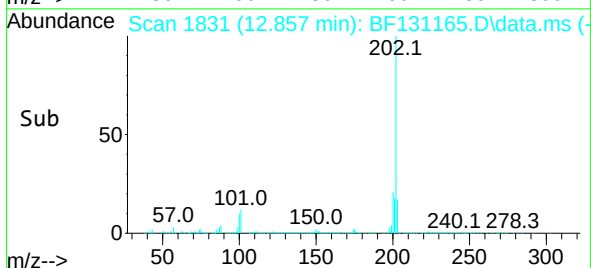
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

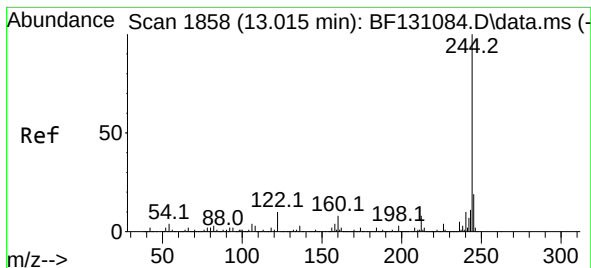


#78
Pyrene
Concen: 18.189 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31



Tgt Ion:202 Resp: 206354
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.3 13.6 20.4





#79

Terphenyl-d14

Concen: 28.731 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF131165.D

Acq: 11 Nov 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RM-2

Tgt Ion:244 Resp: 216690

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

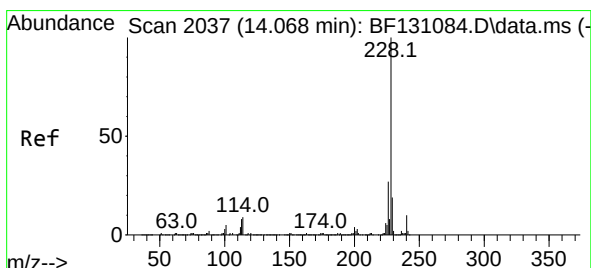
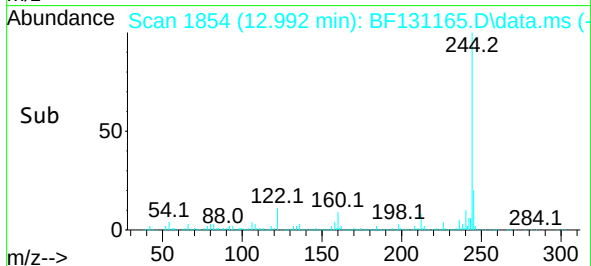
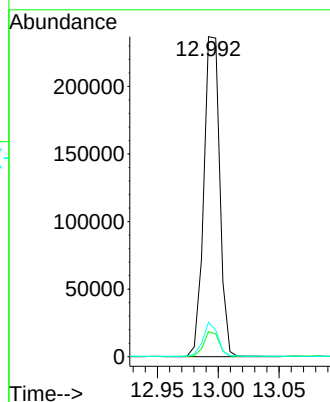
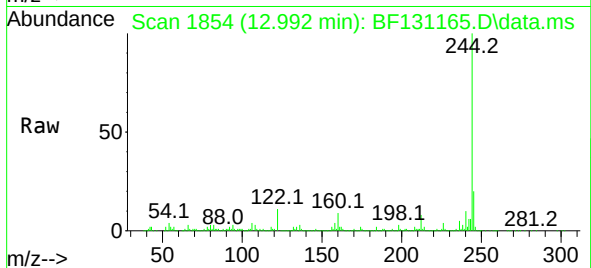
122 10.7 7.8 11.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#81

Benzo(a)anthracene

Concen: 8.886 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF131165.D

Acq: 11 Nov 2022 21:31

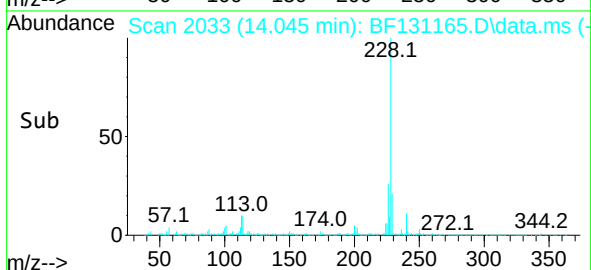
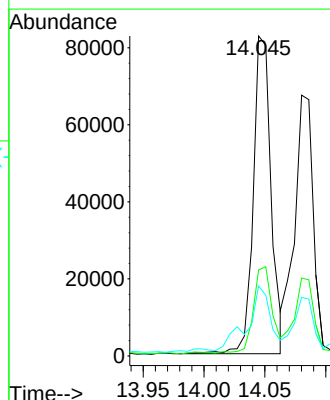
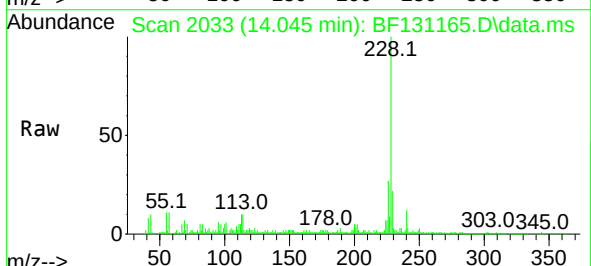
Tgt Ion:228 Resp: 83983

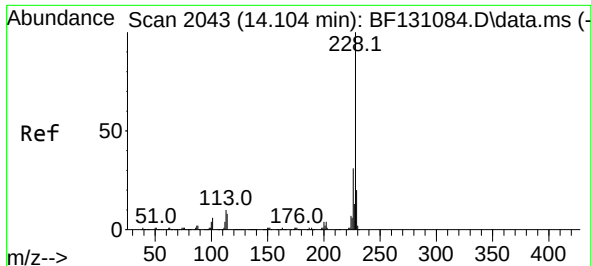
Ion Ratio Lower Upper

228 100

226 26.9 21.8 32.6

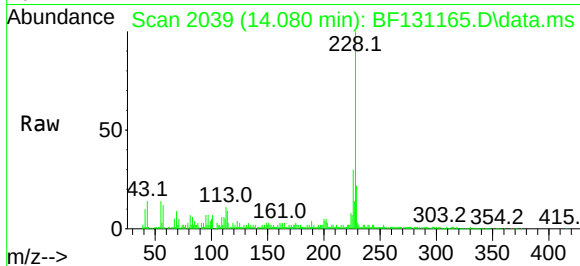
229 21.9 15.4 23.2





#83
Chrysene
Concen: 8.103 ng
RT: 14.080 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

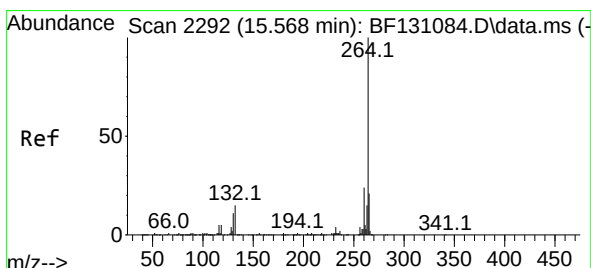
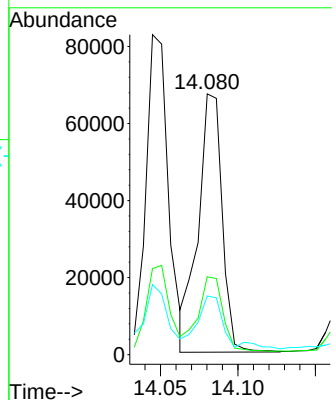
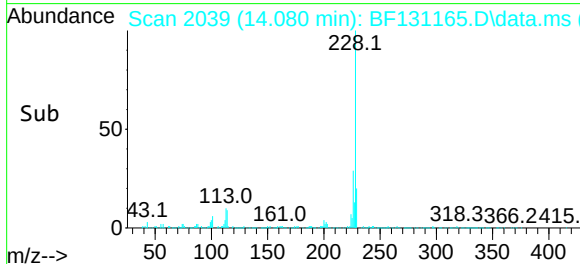
Instrument :
BNA_F
ClientSampleId :
RM-2



Tgt Ion:228 Resp: 72332
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 22.5 15.8 23.6

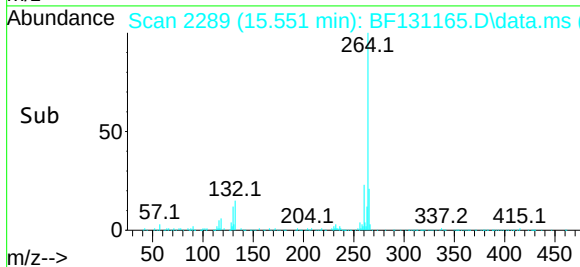
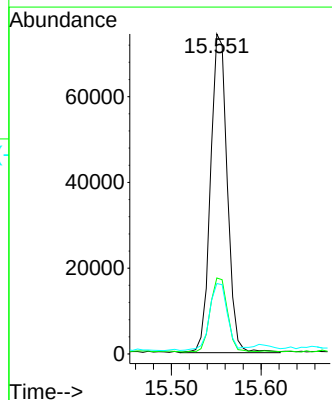
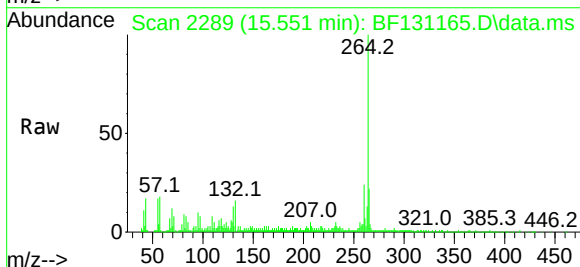
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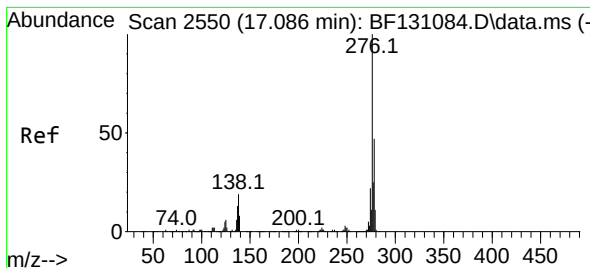
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

Tgt Ion:264 Resp: 96225
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 22.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.595 ng

RT: 17.062 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF131165.D

Acq: 11 Nov 2022 21:31

Instrument :

BNA_F

ClientSampleId :

RM-2

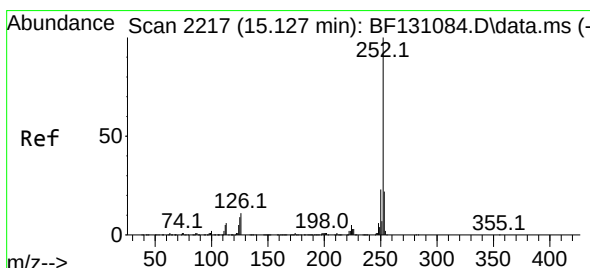
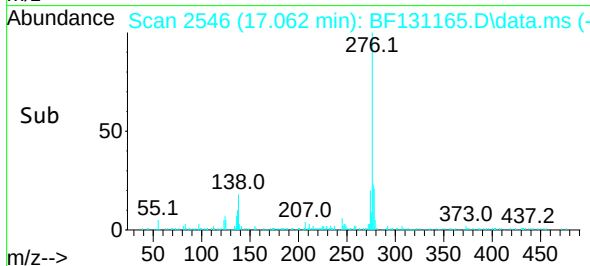
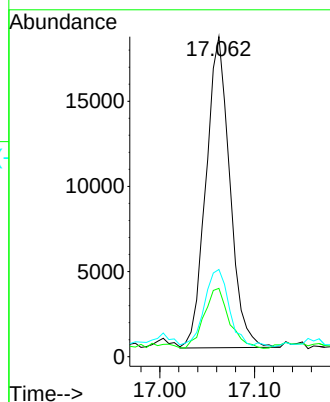
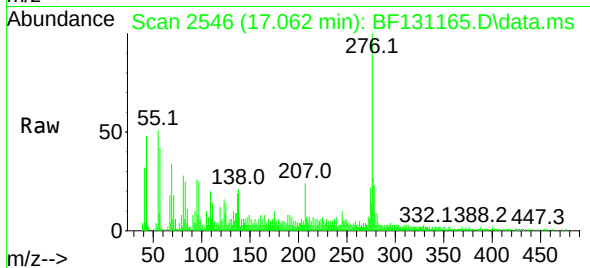
Tgt Ion:	276	Resp:	3194
Ion Ratio	Lower	Upper	
276	100		
138	20.2	16.9	25.3
277	25.1	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#88

Benzo(b)fluoranthene

Concen: 9.869 ng m

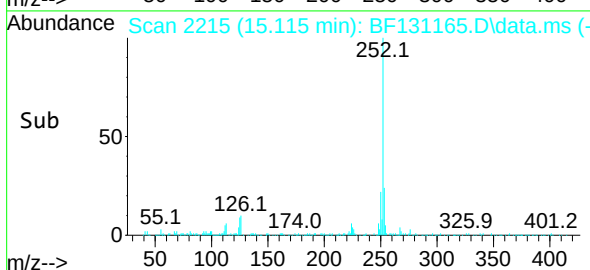
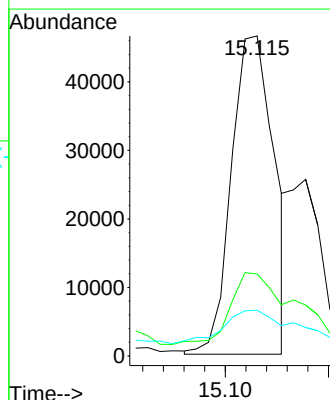
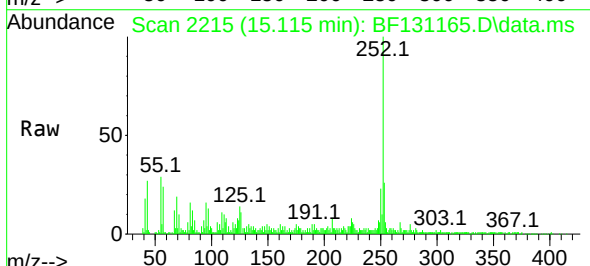
RT: 15.115 min Scan# 2215

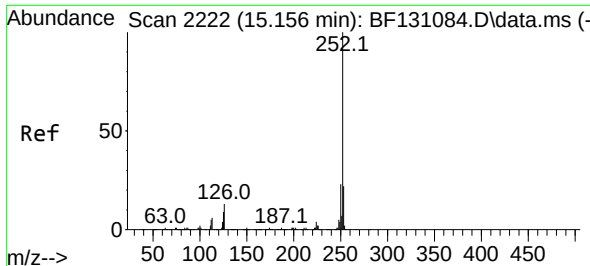
Delta R.T. 0.012 min

Lab File: BF131165.D

Acq: 11 Nov 2022 21:31

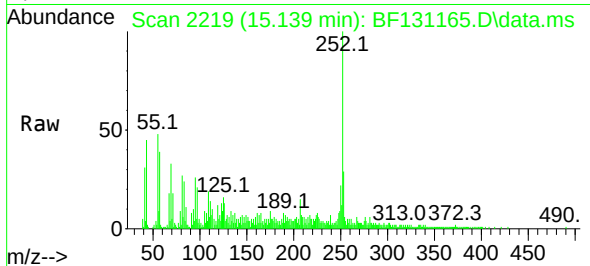
Tgt Ion:	252	Resp:	67138
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.3	25.9
125	14.3	7.2	10.8





#89
Benzo(k)fluoranthene
Concen: 4.169 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

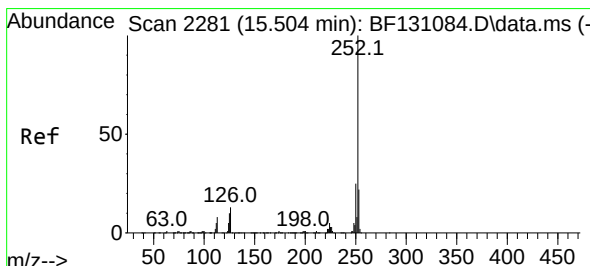
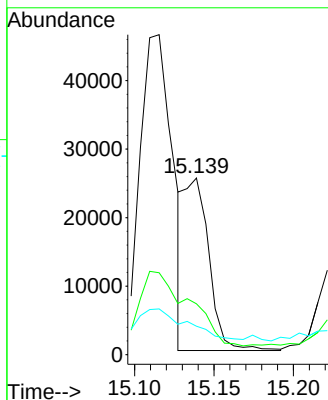
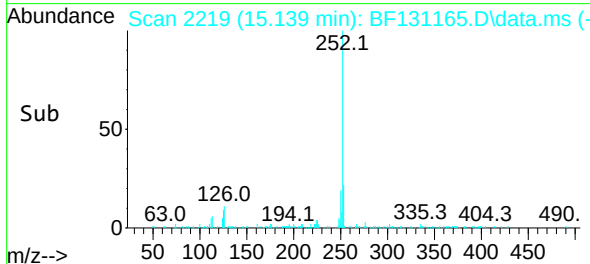
Instrument :
BNA_F
ClientSampleId :
RM-2



Tgt Ion:252 Resp: 2725
Ion Ratio Lower Upper
252 100
253 28.8 17.6 26.4
125 16.1 7.5 11.3

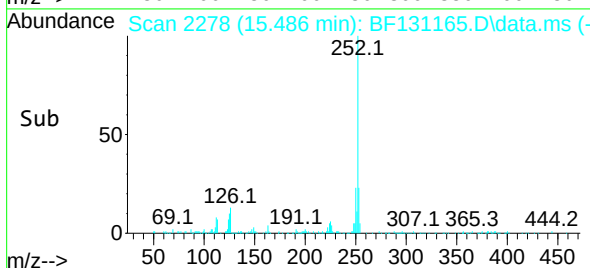
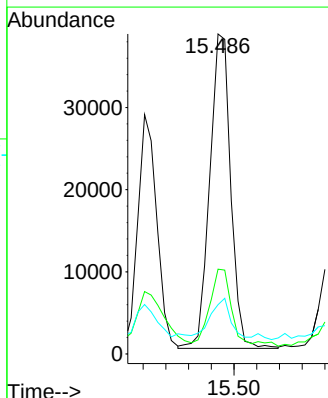
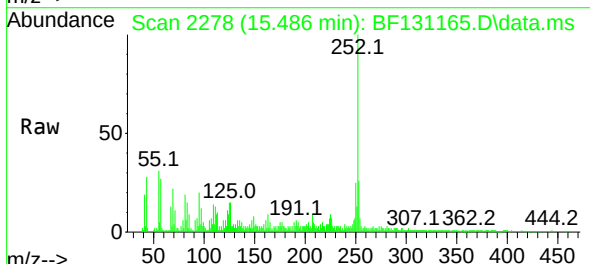
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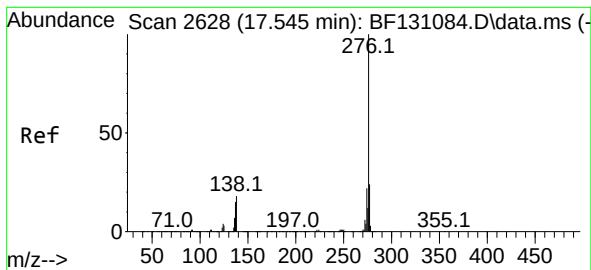
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90
Benzo(a)pyrene
Concen: 8.992 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF131165.D
Acq: 11 Nov 2022 21:31

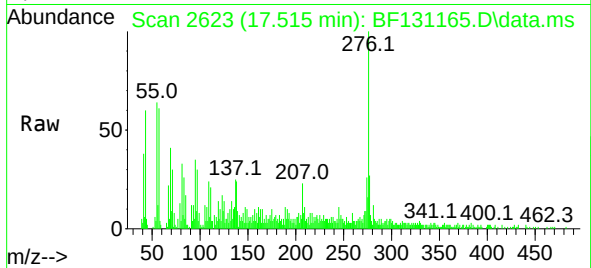
Tgt Ion:252 Resp: 49046
Ion Ratio Lower Upper
252 100
253 26.5 17.8 26.8
125 15.4 8.1 12.1





#92
 Benzo(g,h,i)perylene
 Concen: 8.196 ng
 RT: 17.515 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF131165.D
 Acq: 11 Nov 2022 21:31

Instrument :
 BNA_F
 ClientSampleId :
 RM-2



Tgt Ion: 276 Resp: 2851

Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.0	28.4
138	23.9	14.6	21.8

Manual Integrations
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Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

