

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055672.D
 Acq On : 17 Nov 2022 19:19
 Operator : CG/JU
 Sample : N5478-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-NYE-AVERE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/18/2022
 Supervised By : Jagrut Upadhyay 11/18/2022

Quant Time: Nov 18 03:16:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.255	152	52265	20.000	ng	0.00
21) Naphthalene-d8	11.081	136	224164	20.000	ng	0.00
39) Acenaphthene-d10	14.871	164	154593	20.000	ng	0.00
64) Phenanthrene-d10	17.615	188	334739	20.000	ng	0.00
76) Chrysene-d12	21.910	240	318280	20.000	ng	0.00
86) Perylene-d12	25.329	264	338746	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.781	112	293588	101.534	ng	0.00
7) Phenol-d6	7.391	99	390460	101.442	ng	0.00
23) Nitrobenzene-d5	9.424	82	242116	57.088	ng	0.00
42) 2,4,6-Tribromophenol	16.351	330	188249	86.477	ng	0.00
45) 2-Fluorobiphenyl	13.496	172	576979	55.914	ng	0.00
79) Terphenyl-d14	20.200	244	881513	55.396	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.935	154	18910	2.007	ng	98
58) Fluorene	15.911	166	26054	2.244	ng	98
71) Phenanthrene	17.656	178	289468	16.025	ng	99
72) Anthracene	17.744	178	71343	4.065	ng	97
75) Fluoranthene	19.653	202	269197	12.250	ng	99
78) Pyrene	20.012	202	264160	12.262	ng	99
81) Benzo(a)anthracene	21.892	228	141099	6.436	ng	99
83) Chrysene	21.957	228	133395	6.392	ng	99
87) Indeno(1,2,3-cd)pyrene	29.242	276	74213	2.674	ng	98
88) Benzo(b)fluoranthene	24.230	252	158074	7.165	ng	98
89) Benzo(k)fluoranthene	24.295	252	46779m	2.127	ng	
90) Benzo(a)pyrene	25.159	252	114171	6.031	ng	96
92) Benzo(g,h,i)perylene	30.470	276	68461	2.995	ng	99

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

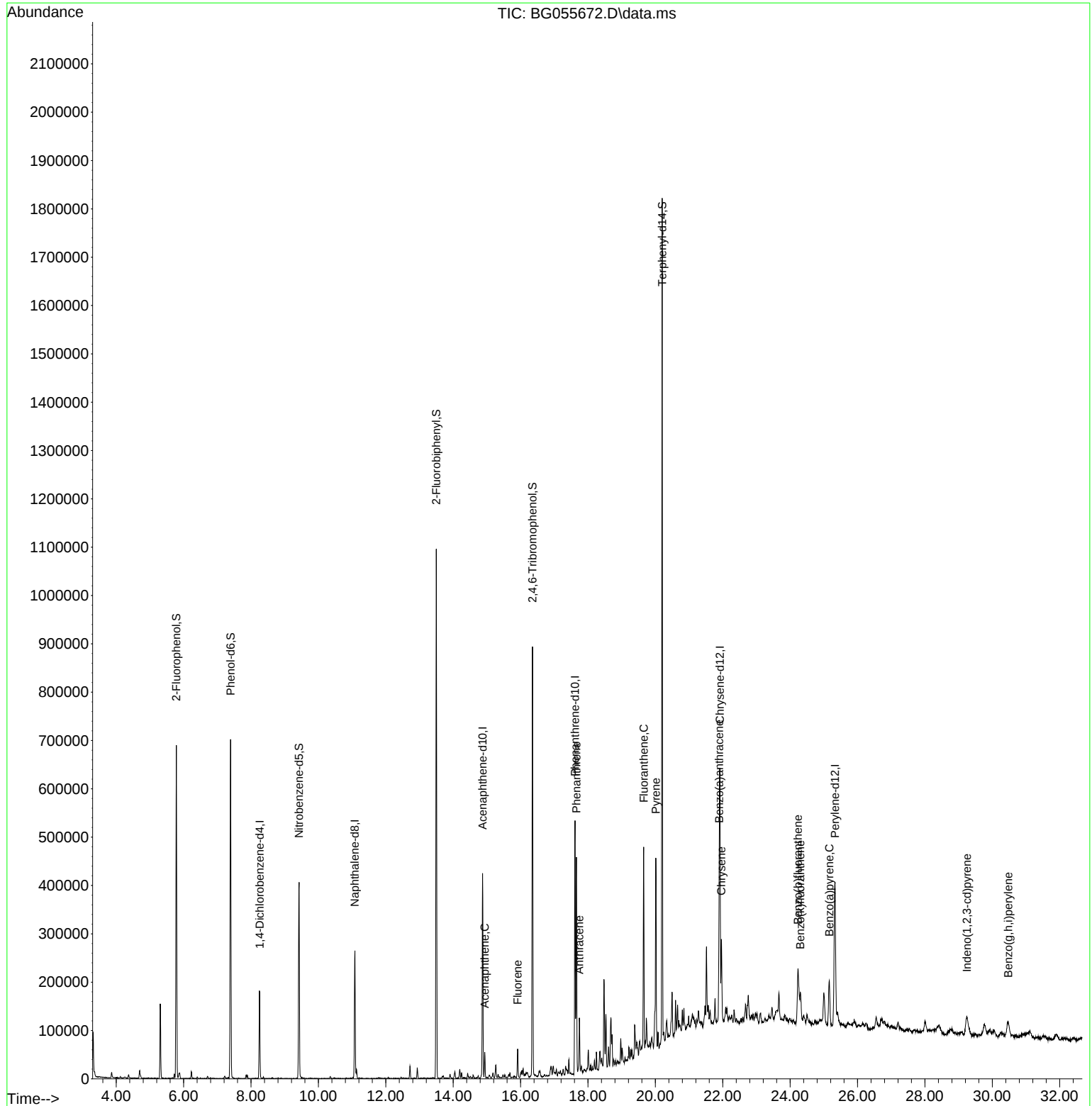
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
Data File : BG055672.D
Acq On : 17 Nov 2022 19:19
Operator : CG/JU
Sample : N5478-01RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

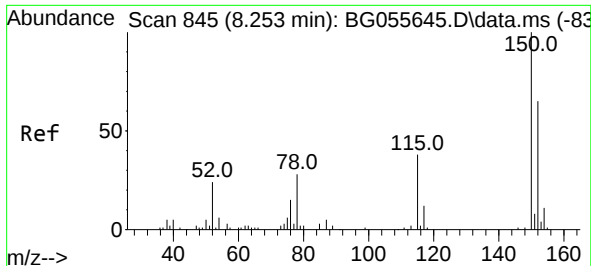
Instrument :
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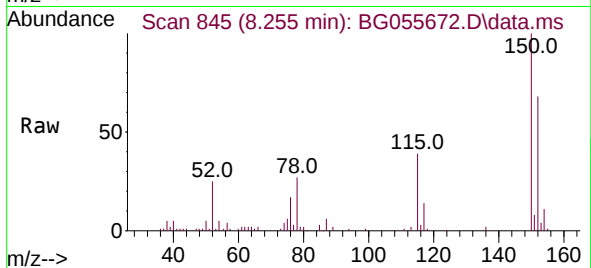
Quant Time: Nov 18 03:16:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 17 02:02:46 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.255 min Scan# 845
Delta R.T. 0.002 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

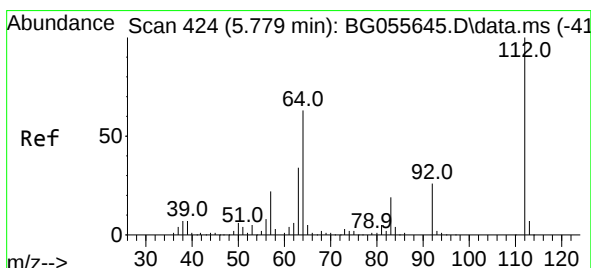
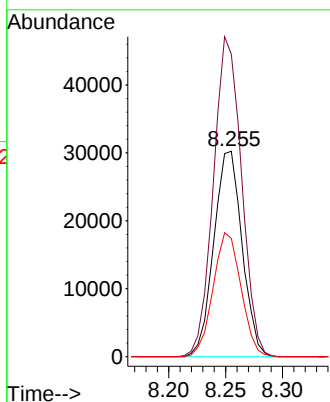
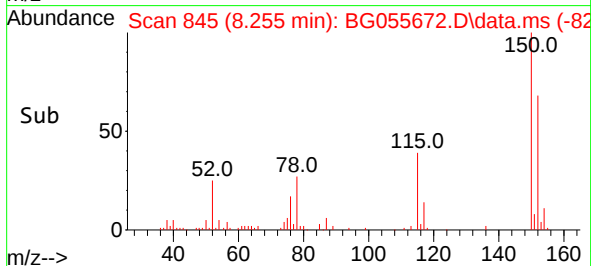
Instrument :
BNA_G
ClientSampleId :
MH-NYE-AVERE



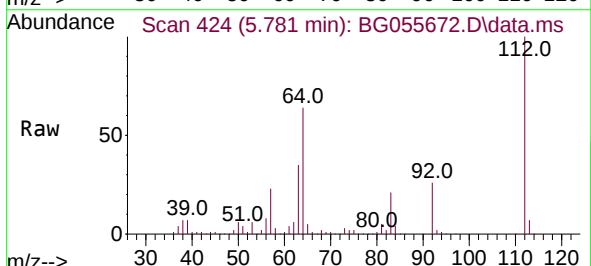
Tgt Ion:152 Resp: 52265
Ion Ratio Lower Upper
152 100
150 147.3 123.0 184.6
115 57.5 47.0 70.4

Manual Integrations
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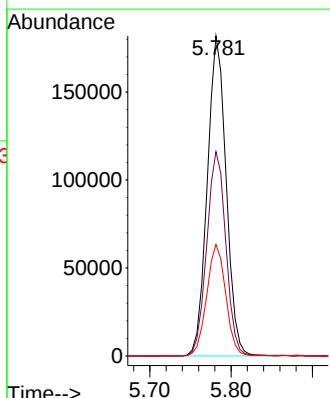
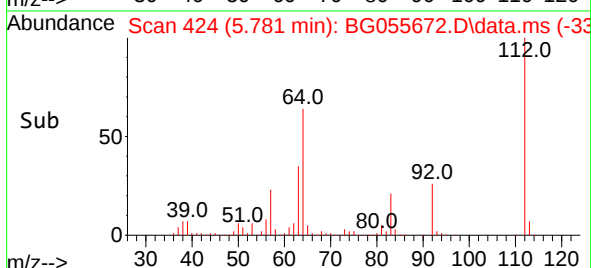
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

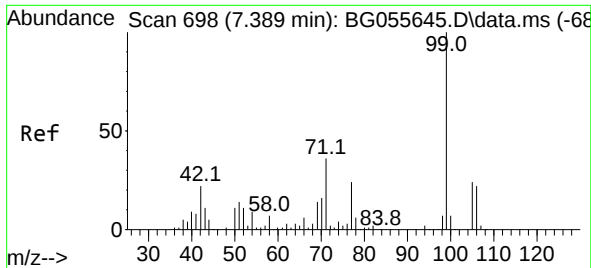


#5
2-Fluorophenol
Concen: 101.534 ng
RT: 5.781 min Scan# 424
Delta R.T. 0.002 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19



Tgt Ion:112 Resp: 293588
Ion Ratio Lower Upper
112 100
64 63.8 50.6 76.0
63 34.8 27.5 41.3





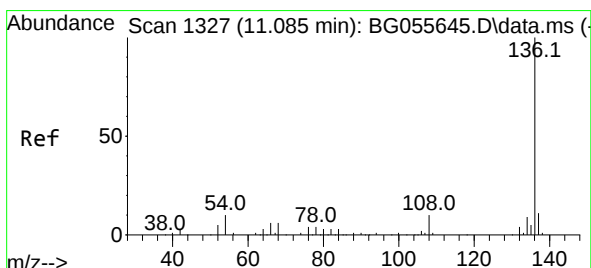
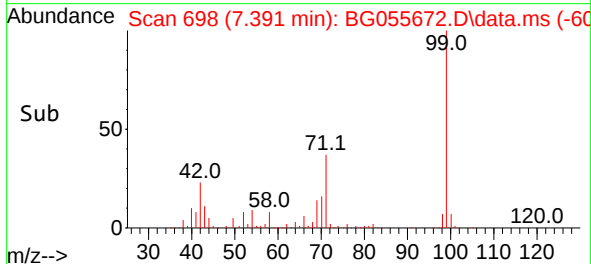
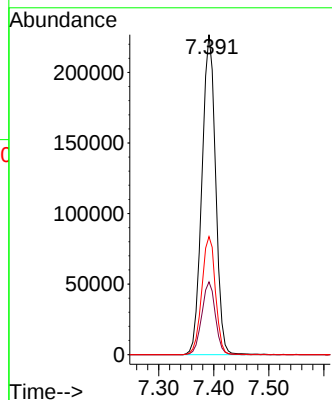
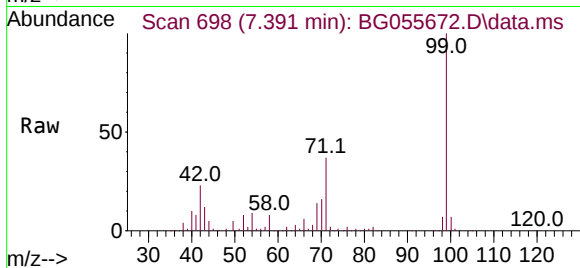
#7
Phenol-d6
Concen: 101.442 ng
RT: 7.391 min Scan# 698
Delta R.T. 0.002 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Instrument :
BNA_G
ClientSampleId :
MH-NYE-AVERE

Tgt Ion: 99 Resp: 390460
Ion Ratio Lower Upper
99 100
42 22.7 18.0 27.0
71 36.9 29.0 43.6

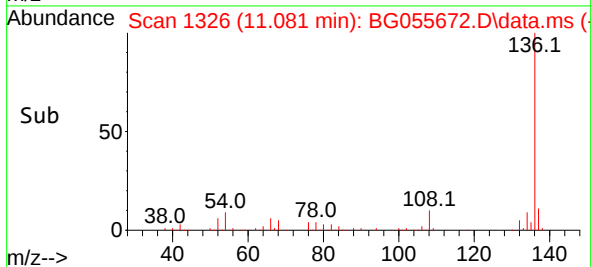
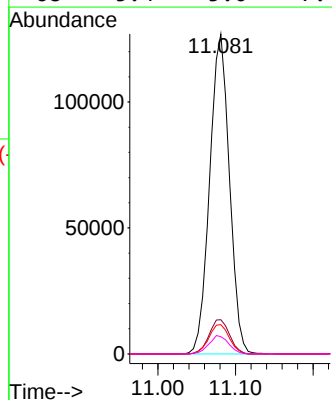
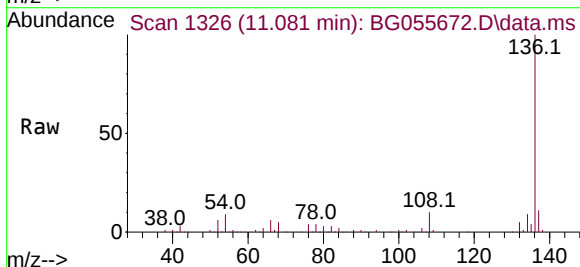
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.081 min Scan# 1326
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Tgt Ion:136 Resp: 224164
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 9.1 7.8 11.6
68 5.4 5.0 7.4





#23
Nitrobenzene-d5
Concen: 57.088 ng
RT: 9.424 min Scan# 1045
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Instrument :

BNA_G

ClientSampleId :

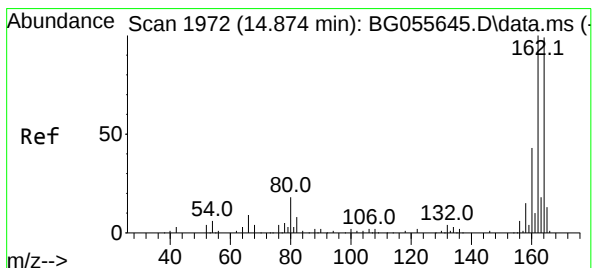
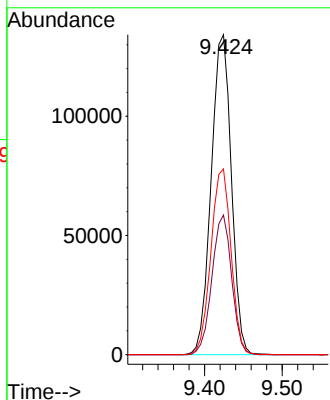
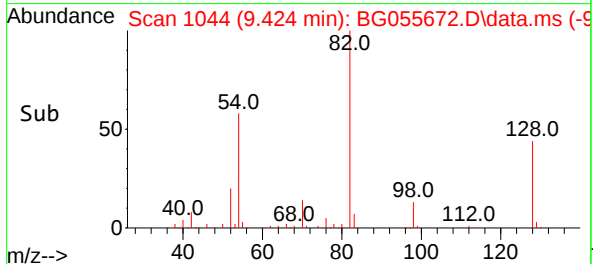
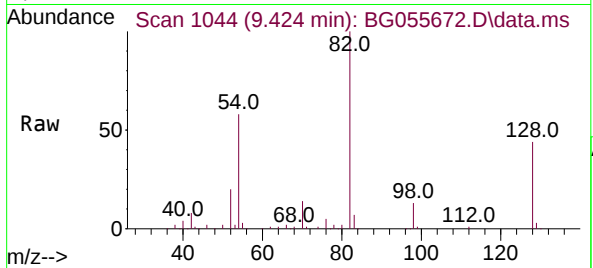
MH-NYE-AVERE

Tgt Ion: 82 Resp: 242116
Ion Ratio Lower Upper
82 100
128 43.6 34.1 51.1
54 58.0 47.3 70.9

Manual Integrations

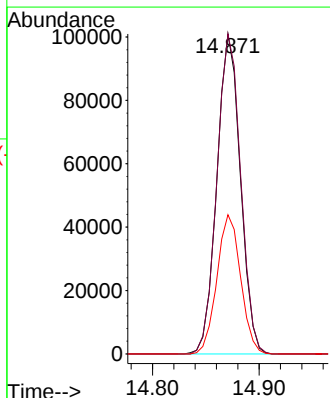
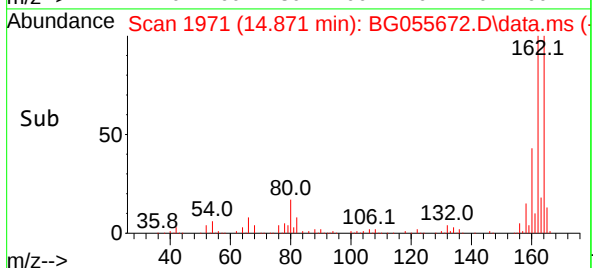
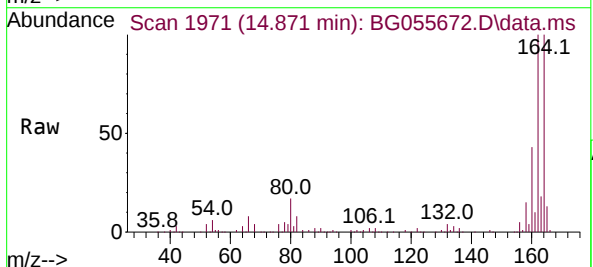
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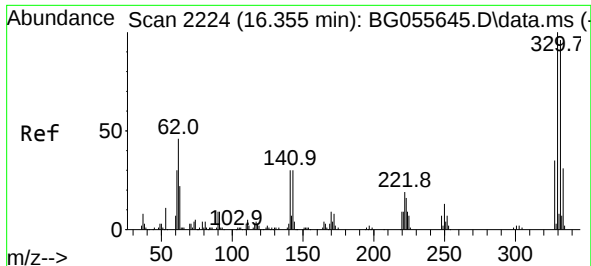
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Supervised By :Jagrut Upadhyay 11/18/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.871 min Scan# 1971
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Tgt Ion:164 Resp: 154593
Ion Ratio Lower Upper
164 100
162 100.0 81.1 121.7
160 43.5 34.8 52.2





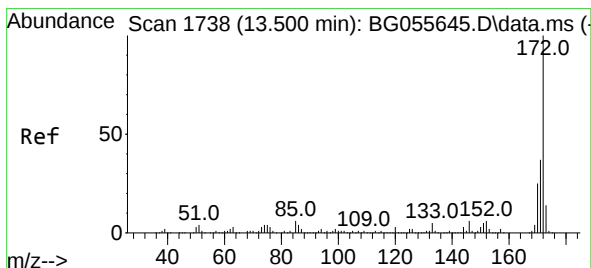
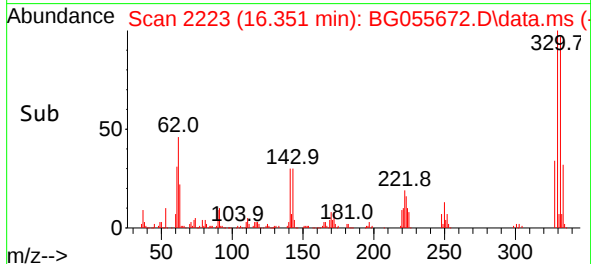
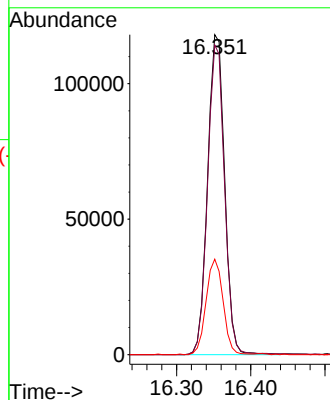
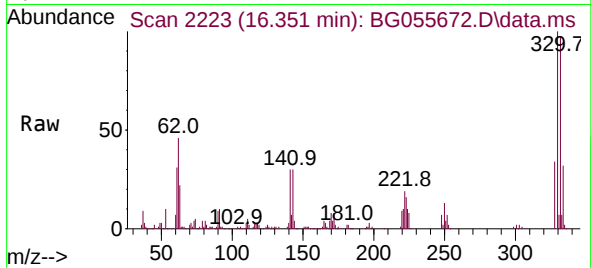
#42
2,4,6-Tribromophenol
Concen: 86.477 ng
RT: 16.351 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Instrument :
BNA_G
ClientSampleId :
MH-NYE-AVERE

Tgt Ion:330 Resp: 188249
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.8
141 29.7 23.9 35.9

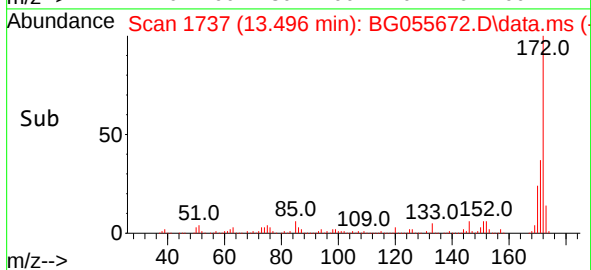
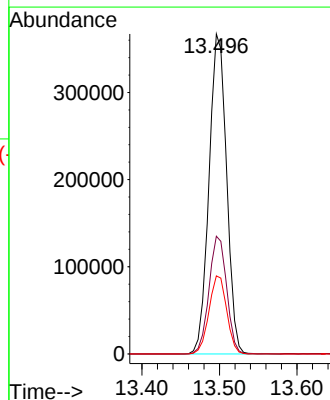
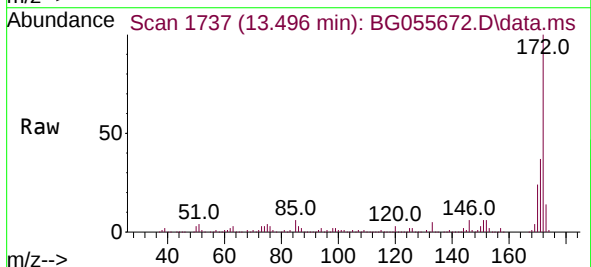
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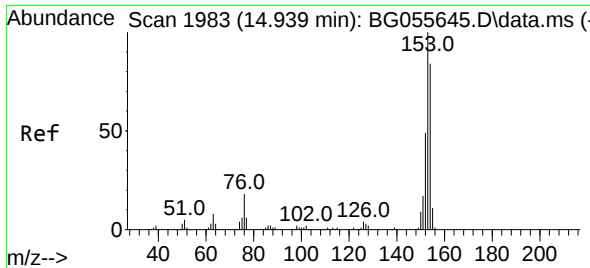
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#45
2-Fluorobiphenyl
Concen: 55.914 ng
RT: 13.496 min Scan# 1737
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Tgt Ion:172 Resp: 576979
Ion Ratio Lower Upper
172 100
171 36.8 29.8 44.6
170 24.4 20.2 30.4





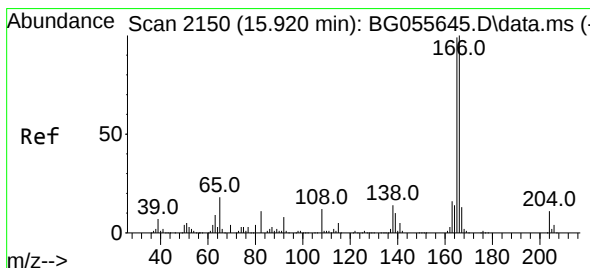
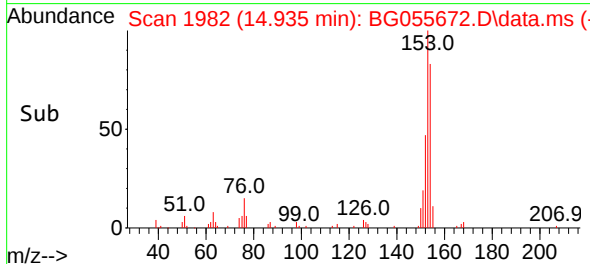
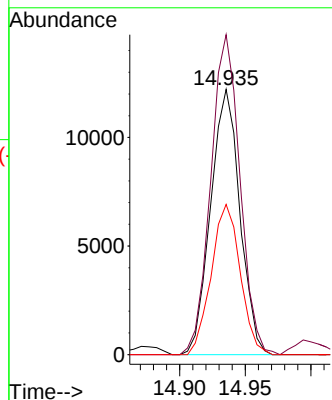
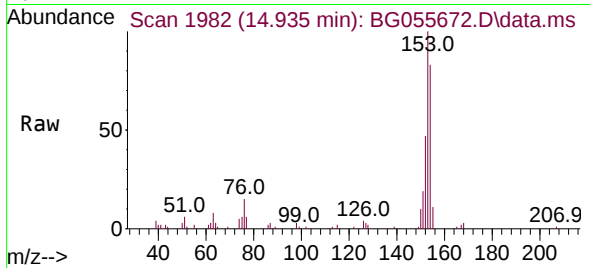
#52
Acenaphthene
Concen: 2.007 ng
RT: 14.935 min Scan# 1983
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Instrument :
BNA_G
ClientSampleId :
MH-NYE-AVERE

Tgt Ion:154 Resp: 18910
Ion Ratio Lower Upper
154 100
153 120.6 95.0 142.4
152 56.6 46.1 69.1

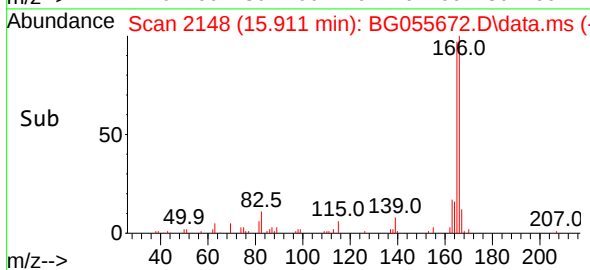
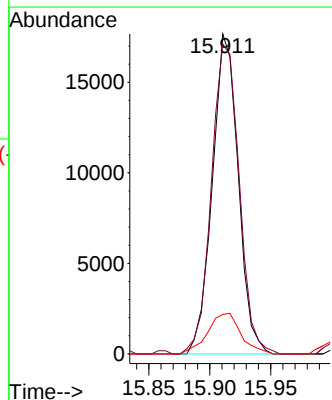
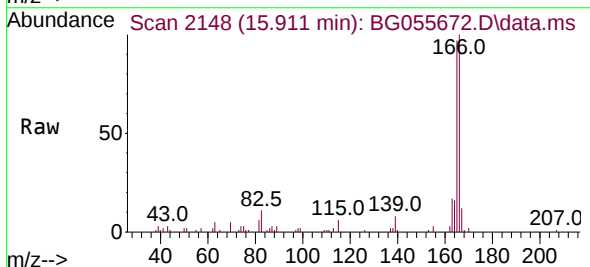
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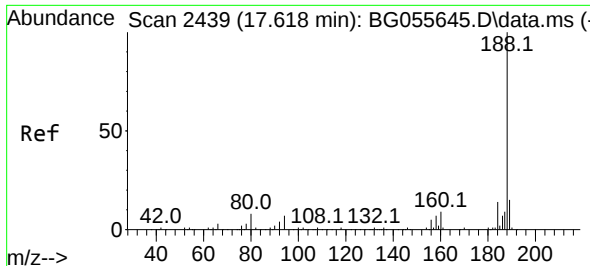
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#58
Fluorene
Concen: 2.244 ng
RT: 15.911 min Scan# 2148
Delta R.T. -0.009 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Tgt Ion:166 Resp: 26054
Ion Ratio Lower Upper
166 100
165 96.8 79.3 118.9
167 12.3 10.6 15.8





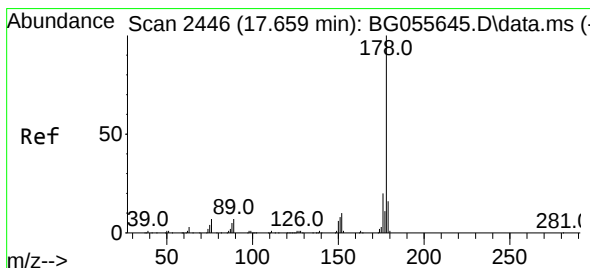
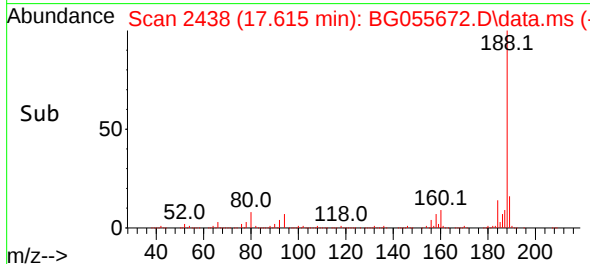
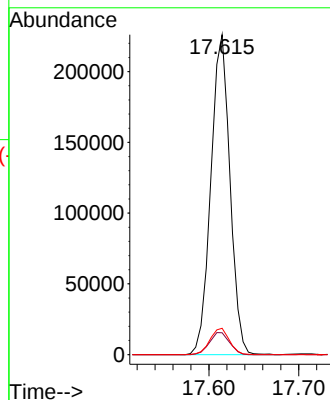
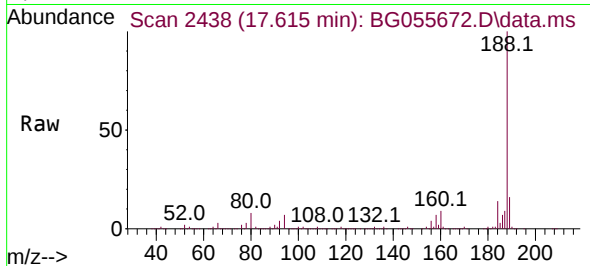
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.615 min Scan# 2439
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Instrument :
BNA_G
ClientSampleId :
MH-NYE-AVERE

Tgt Ion:188 Resp: 334739
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.2
80 8.2 6.6 10.0

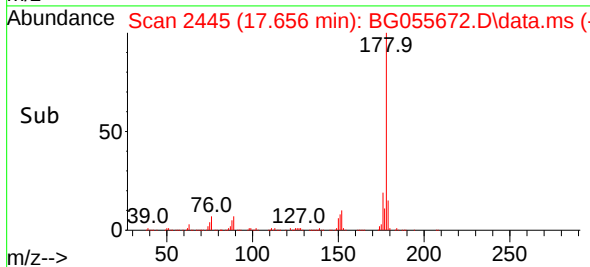
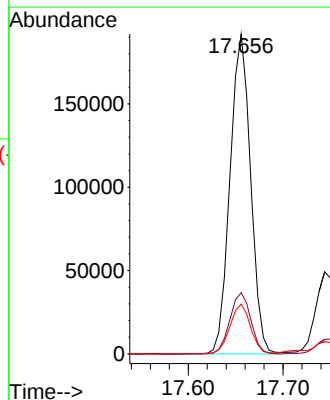
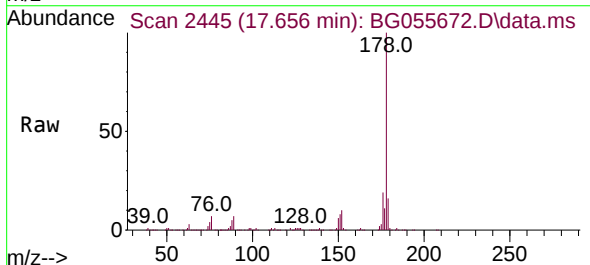
Manual Integrations
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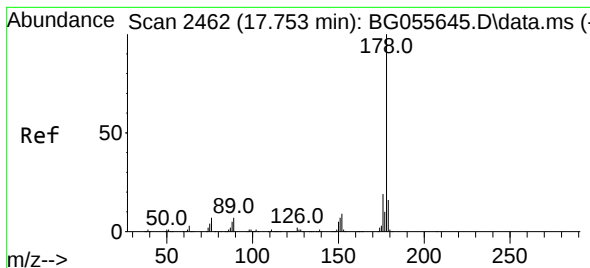
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#71
Phenanthrene
Concen: 16.025 ng
RT: 17.656 min Scan# 2445
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

Tgt Ion:178 Resp: 289468
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.6 12.7 19.1





#72

Anthracene

Concen: 4.065 ng

RT: 17.744 min Scan# 2462

Delta R.T. -0.010 min

Lab File: BG055672.D

Acq: 17 Nov 2022 19:19

Instrument :

BNA_G

ClientSampleId :

MH-NYE-AVERE

Tgt Ion:178 Resp: 71343

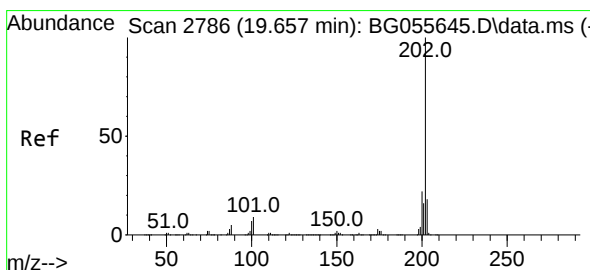
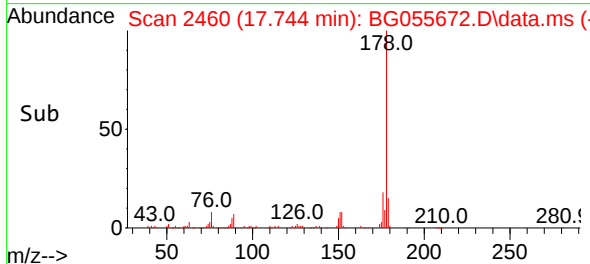
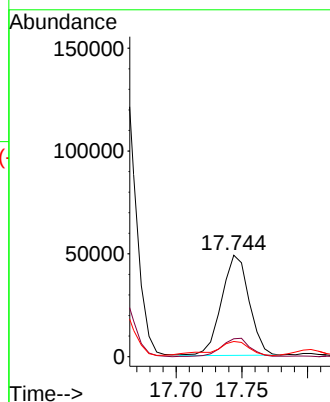
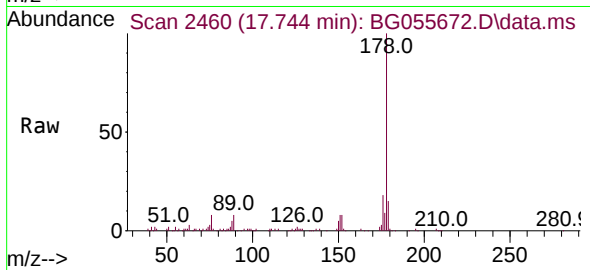
Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.5	23.3
179	14.9	12.5	18.7

Manual Integrations

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#75

Fluoranthene

Concen: 12.250 ng

RT: 19.653 min Scan# 2785

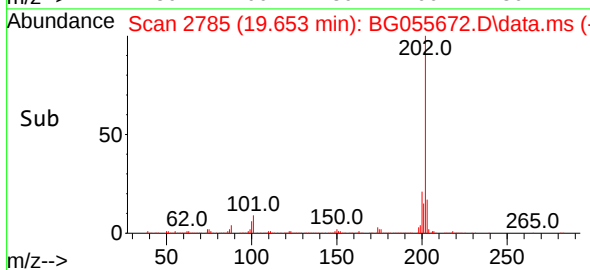
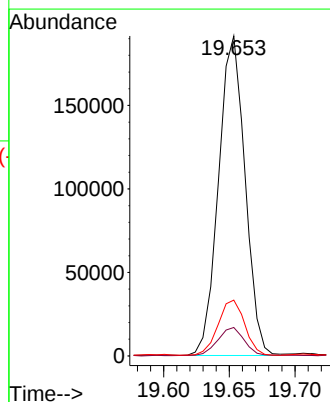
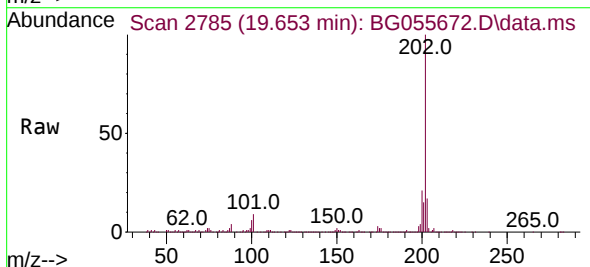
Delta R.T. -0.004 min

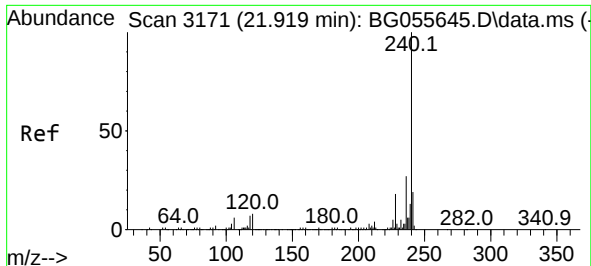
Lab File: BG055672.D

Acq: 17 Nov 2022 19:19

Tgt Ion:202 Resp: 269197

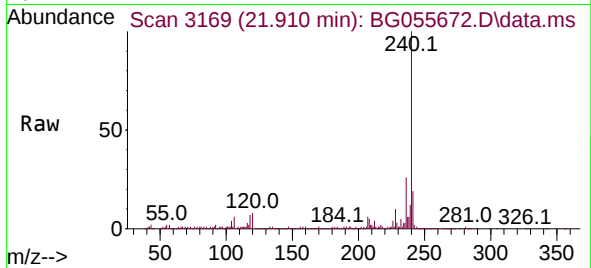
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.8
203	17.5	0.0	38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.910 min Scan# 3171
Delta R.T. -0.009 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

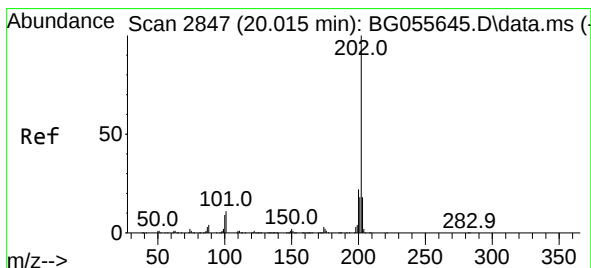
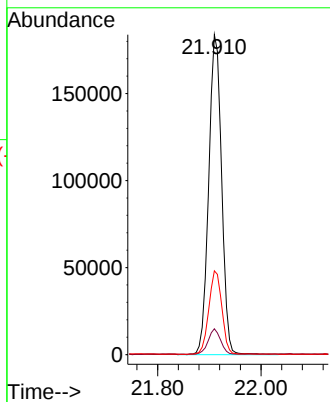
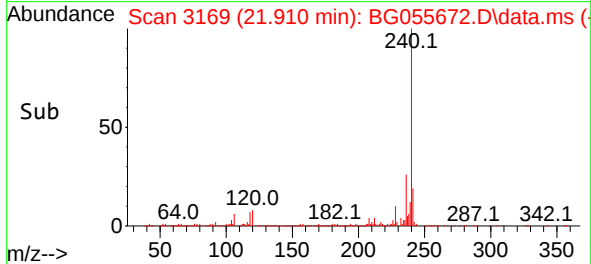
Instrument :
BNA_G
ClientSampleId :
MH-NYE-AVERE



Tgt Ion:240 Resp: 318280
Ion Ratio Lower Upper
240 100
120 8.1 6.3 9.5
236 26.2 21.9 32.9

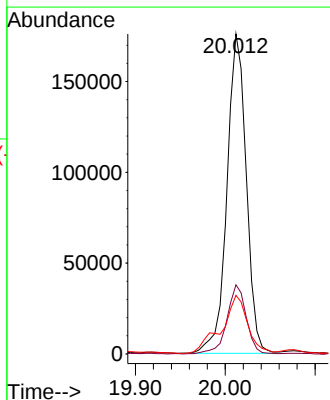
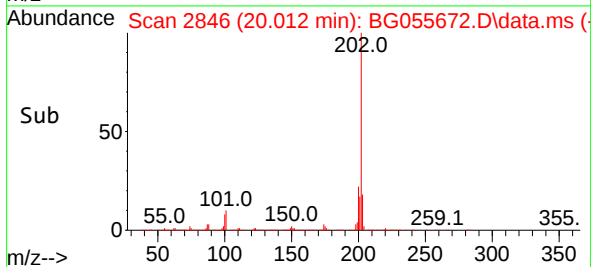
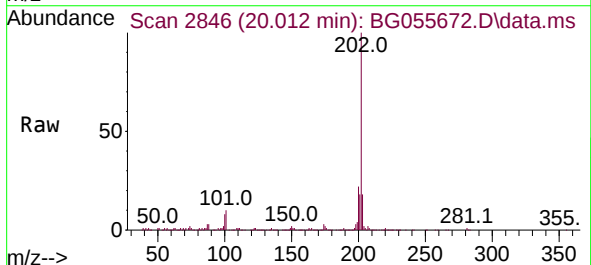
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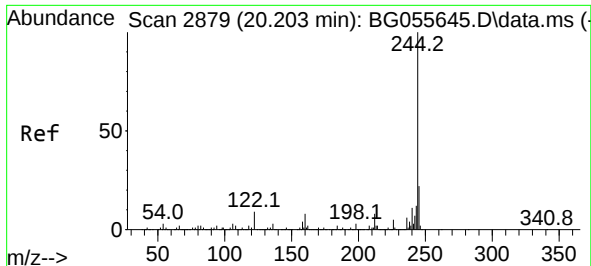
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#78
Pyrene
Concen: 12.262 ng
RT: 20.012 min Scan# 2846
Delta R.T. -0.004 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

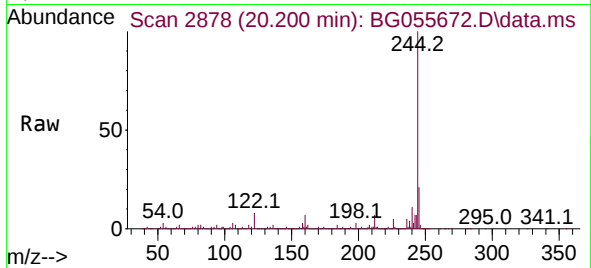
Tgt Ion:202 Resp: 264160
Ion Ratio Lower Upper
202 100
200 21.6 17.8 26.6
203 18.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 55.396 ng
 RT: 20.200 min Scan# 2879
 Delta R.T. -0.004 min
 Lab File: BG055672.D
 Acq: 17 Nov 2022 19:19

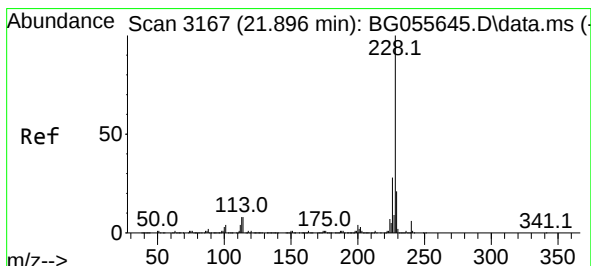
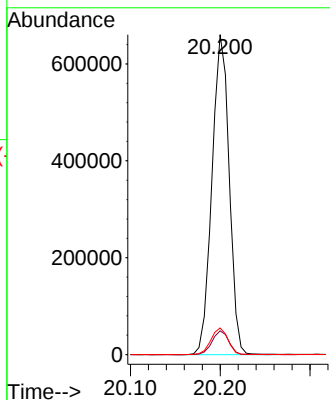
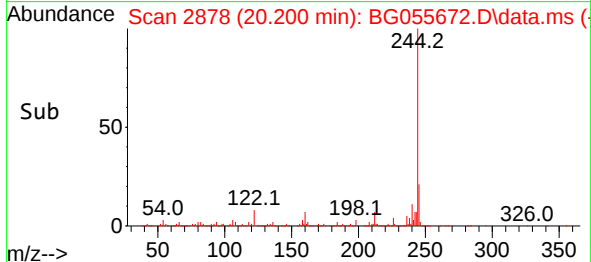
Instrument :
 BNA_G
 ClientSampleId :
 MH-NYE-AVERE



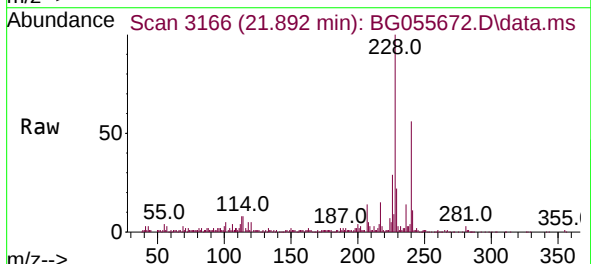
Tgt Ion:244 Resp: 881513
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.3 9.5
 122 8.4 6.9 10.3

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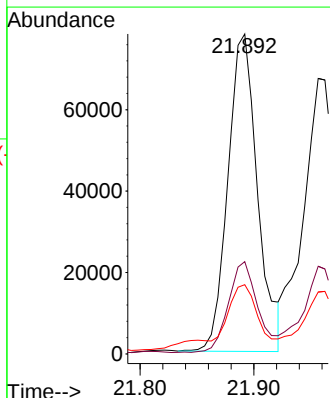
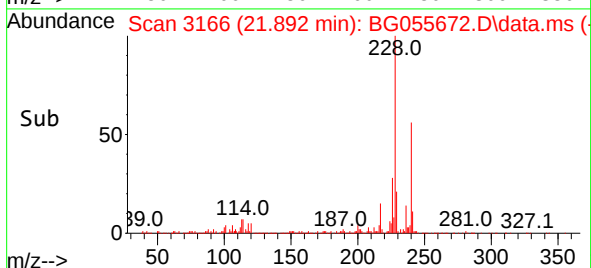
Reviewed By :Christian Giraldo 11/18/2022
 Supervised By :Jagrut Upadhyay 11/18/2022

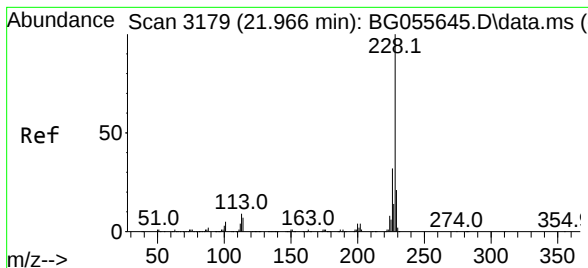


#81
 Benzo(a)anthracene
 Concen: 6.436 ng
 RT: 21.892 min Scan# 3166
 Delta R.T. -0.004 min
 Lab File: BG055672.D
 Acq: 17 Nov 2022 19:19



Tgt Ion:228 Resp: 141099
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.7 34.1
 229 21.6 16.5 24.7





#83

Chrysene

Concen: 6.392 ng

RT: 21.957 min Scan# 3177

Delta R.T. -0.010 min

Lab File: BG055672.D

Acq: 17 Nov 2022 19:19

Instrument :

BNA_G

ClientSampleId :

MH-NYE-AVERE

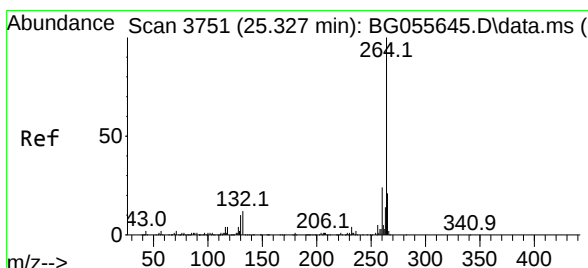
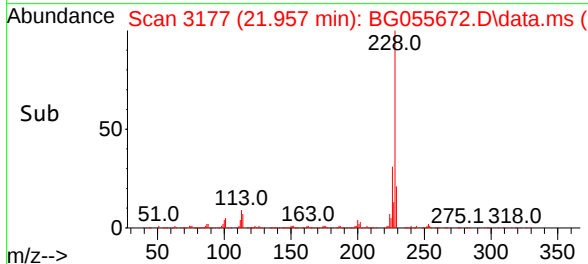
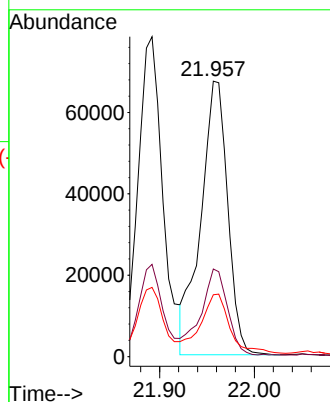
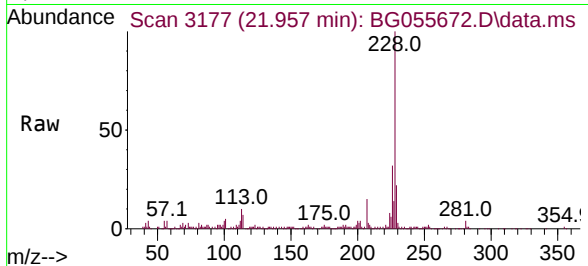
Tgt Ion:228 Resp: 133395

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.4	38.2
229	22.4	17.1	25.7

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Supervised By :Jagrut Upadhyay 11/18/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.329 min Scan# 3751

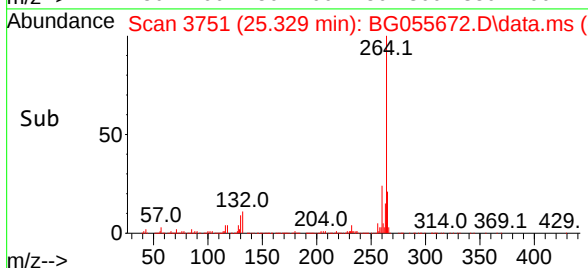
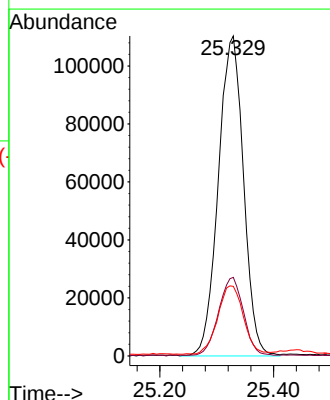
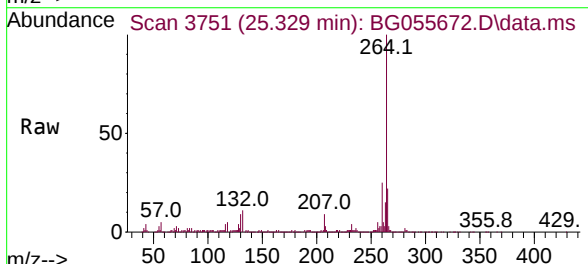
Delta R.T. 0.002 min

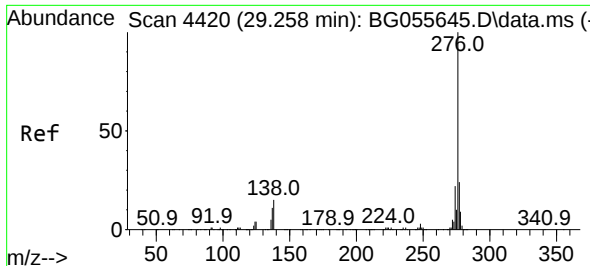
Lab File: BG055672.D

Acq: 17 Nov 2022 19:19

Tgt Ion:264 Resp: 338746

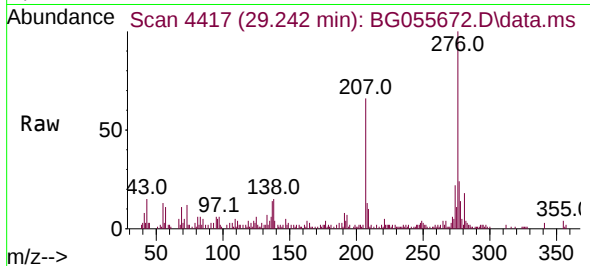
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.7	17.1	25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.674 ng
RT: 29.242 min Scan# 4417
Delta R.T. -0.015 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19

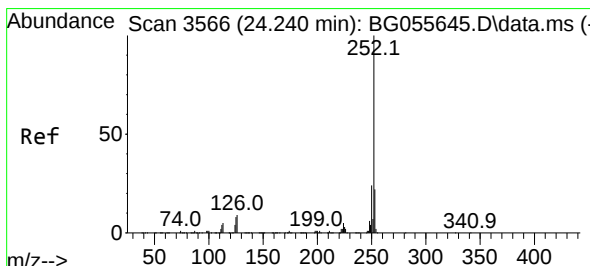
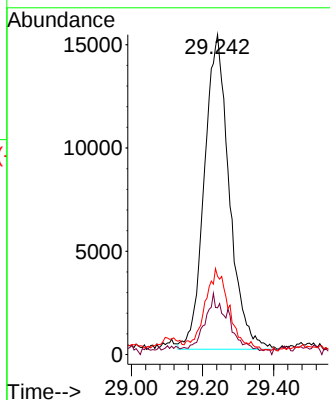
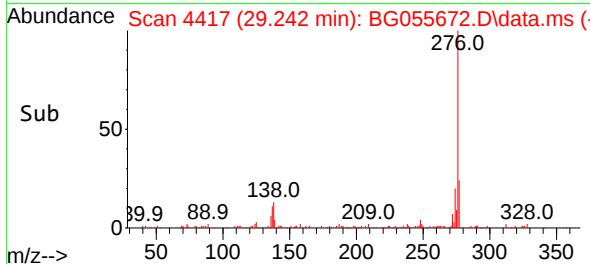
Instrument :
BNA_G
ClientSampleId :
MH-NYE-AVERE



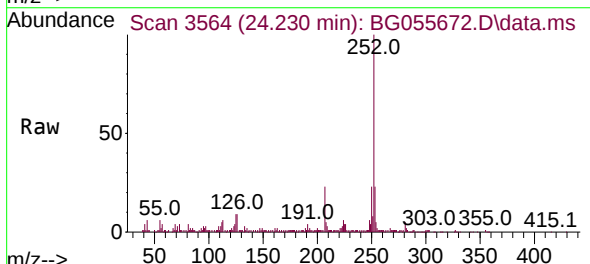
Tgt Ion: 276 Resp: 74213
Ion Ratio Lower Upper
276 100
138 11.2 10.4 15.6
277 25.2 20.2 30.4

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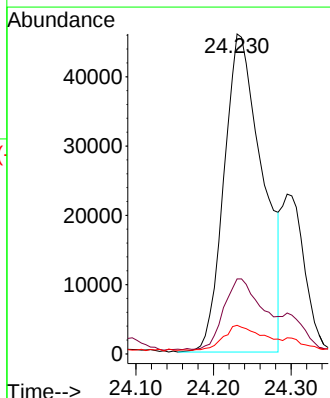
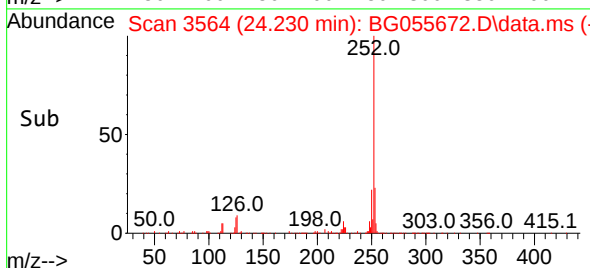
Reviewed By : Christian Giraldo 11/18/2022
Supervised By : Jagrut Upadhyay 11/18/2022

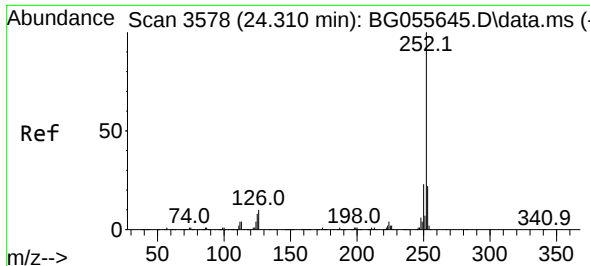


#88
Benzo(b)fluoranthene
Concen: 7.165 ng
RT: 24.230 min Scan# 3564
Delta R.T. -0.010 min
Lab File: BG055672.D
Acq: 17 Nov 2022 19:19



Tgt Ion: 252 Resp: 158074
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 8.9 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 2.127 ng m

RT: 24.295 min Scan# 3578

Delta R.T. -0.015 min

Lab File: BG055672.D

Acq: 17 Nov 2022 19:19

Instrument :

BNA_G

ClientSampleId :

MH-NYE-AVERE

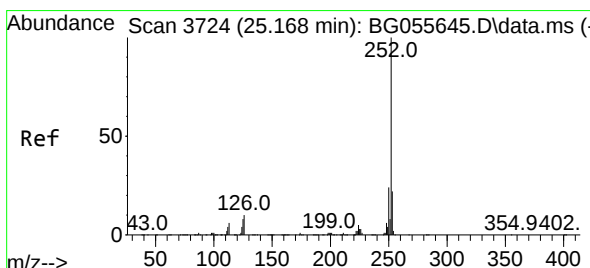
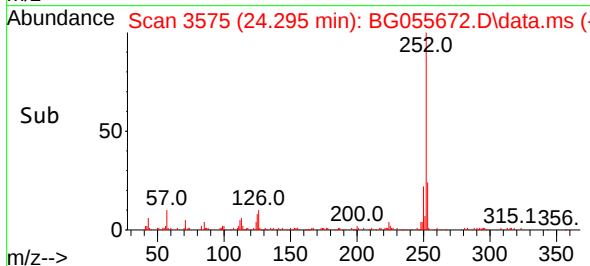
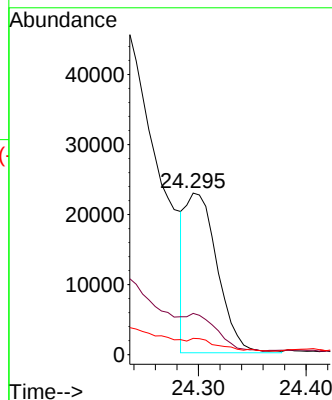
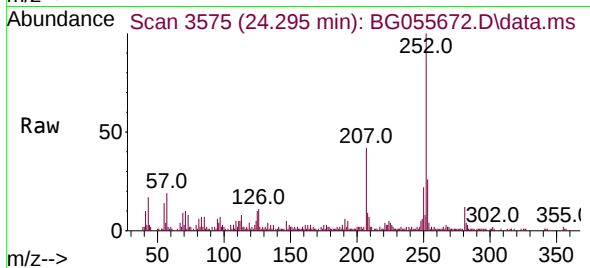
Tgt Ion:252 Resp: 46779
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.8 26.6
 125 10.1 6.1 9.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/18/2022



#90

Benzo(a)pyrene

Concen: 6.031 ng

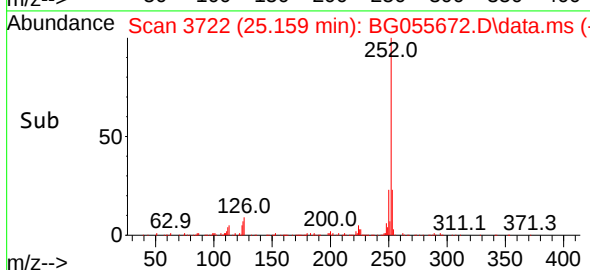
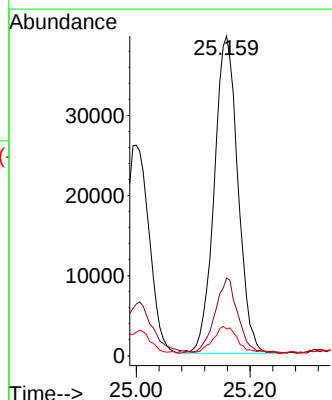
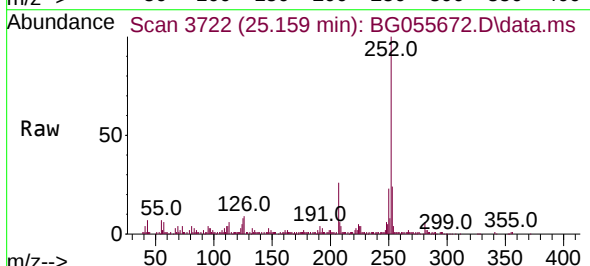
RT: 25.159 min Scan# 3722

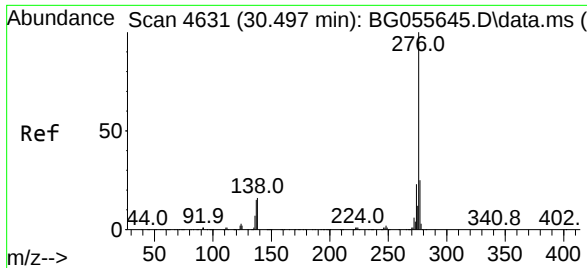
Delta R.T. -0.009 min

Lab File: BG055672.D

Acq: 17 Nov 2022 19:19

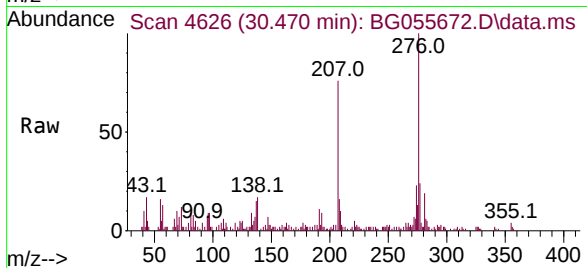
Tgt Ion:252 Resp: 114171
 Ion Ratio Lower Upper
 252 100
 253 24.3 17.8 26.6
 125 8.4 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.995 ng
 RT: 30.470 min Scan# 4626
 Delta R.T. -0.027 min
 Lab File: BG055672.D
 Acq: 17 Nov 2022 19:19

Instrument :
 BNA_G
 ClientSampleId :
 MH-NYE-AVERE



Tgt Ion: 276 Resp: 68463

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.6
138	17.1	13.1	19.7

Manual Integrations
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Reviewed By : Christian Giraldo 11/18/2022
 Supervised By : Jagrut Upadhyay 11/18/2022

