

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040623\
 Data File : BM039346.D
 Acq On : 07 Apr 2023 10:06
 Operator : CG/JU
 Sample : 02115-03
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB9C1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/10/2023
 Supervised By : Jagrut Upadhyay 04/10/2023

Quant Time: Apr 07 23:12:19 2023
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM040623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 23:05:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.878	152	6751	0.400	ng/ul	-0.01
4) Naphthalene-d8	10.686	136	24951	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.527	164	15235	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.278	188	28985	0.400	ng/ul	0.00
17) Chrysene-d12	21.466	240	21396	0.400	ng/ul	# 0.00
23) Perylene-d12	23.854	264	17687	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.259	96	21279	1.703	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.280	152	5001	0.173	ng/ul	0.00
18) Fluoranthene-d10	19.306	212	11629	0.174	ng/ul	0.00
Target Compounds						
						Qvalue
5) Naphthalene	10.735	128	1459	0.025	ng/ul#	77
10) Acenaphthylene	14.250	152	1444	0.024	ng/ul#	79
11) Acenaphthene	14.592	153	1953	0.042	ng/ul	99
12) Fluorene	15.578	166	2230	0.048	ng/ul#	98
15) Phenanthrene	17.316	178	66120	0.822	ng/ul	99
16) Anthracene	17.409	178	10872	0.178	ng/ul	97
19) Fluoranthene	19.334	202	164919	1.862	ng/ul	100
20) Pyrene	19.696	202	95710	0.943	ng/ul	98
21) Benzo(a)anthracene	21.448	228	60690	1.230	ng/ul	99
22) Chrysene	21.501	228	60870	1.006	ng/ul	98
24) Benzo(b)fluoranthene	23.126	252	79570	1.418	ng/ul	94
25) Benzo(k)fluoranthene	23.167	252	26505m	0.495	ng/ul	
26) Benzo(a)pyrene	23.743	252	15187	0.269	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	26.327	276	16342	0.229	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.341	278	6357	0.128	ng/ul#	76

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

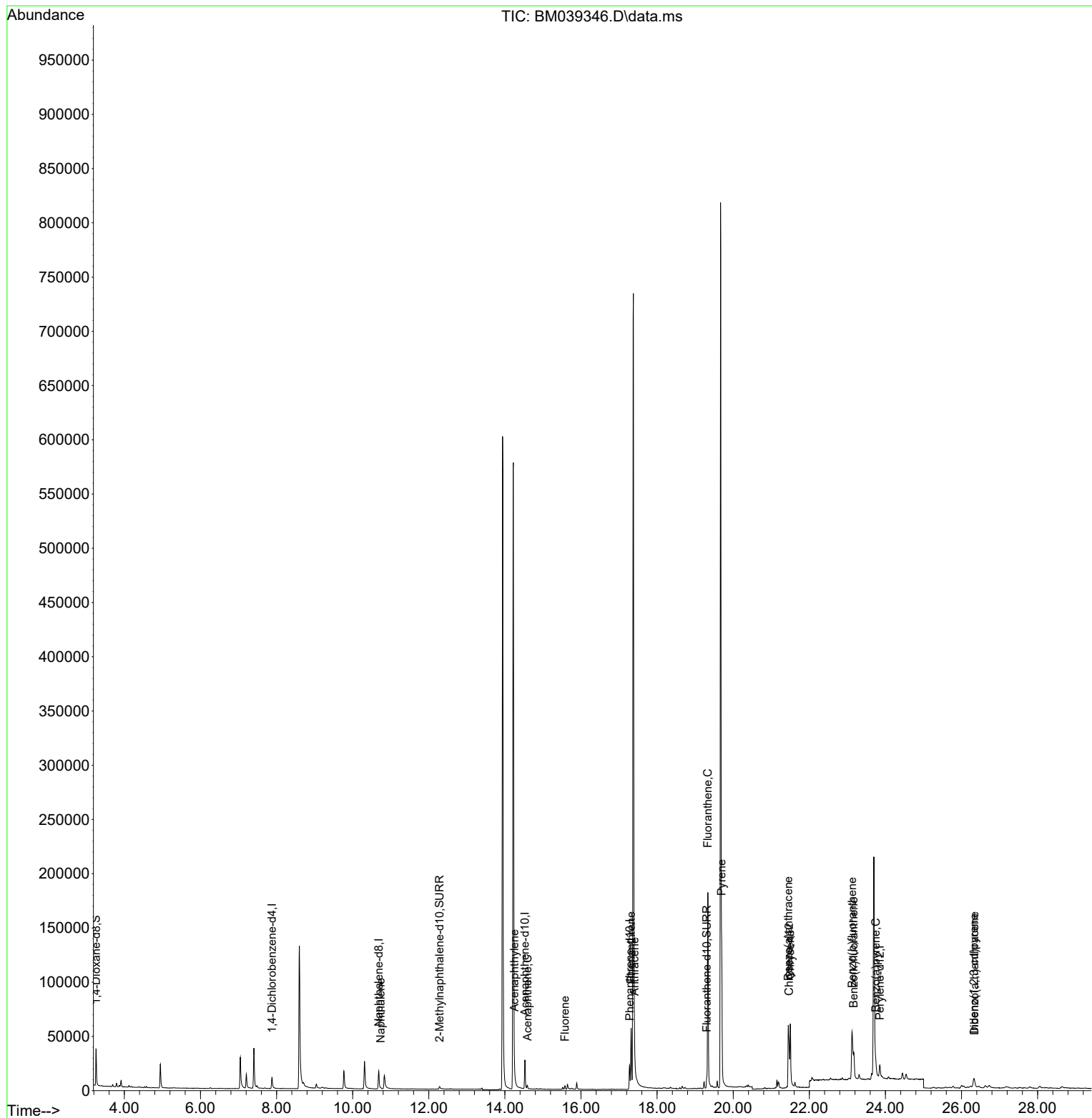
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040623\
Data File : BM039346.D
Acq On : 07 Apr 2023 10:06
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ALS Vial : 41 Sample Multiplier: 1

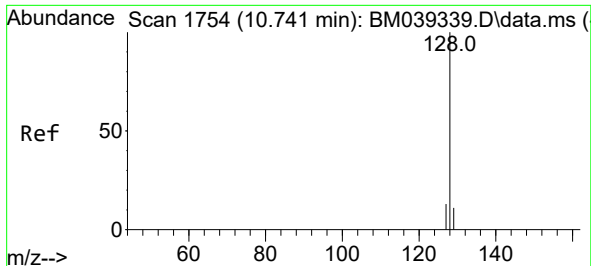
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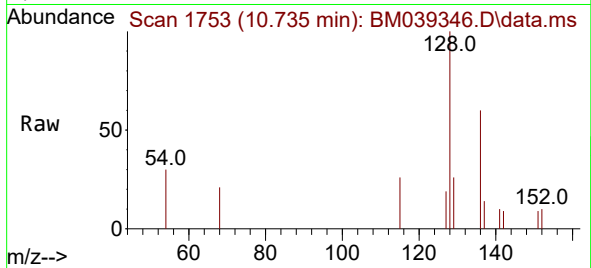
Quant Time: Apr 07 23:12:19 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM040623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 07 23:05:01 2023
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#5
Naphthalene
Concen: 0.025 ng/ul
RT: 10.735 min Scan# 1753
Delta R.T. -0.005 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

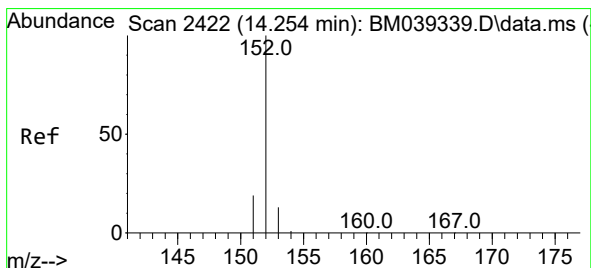
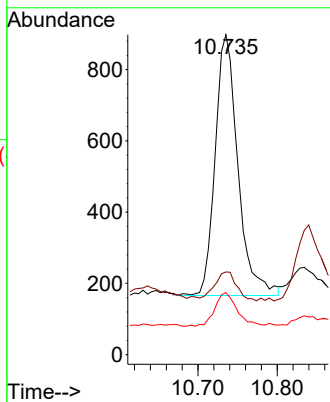
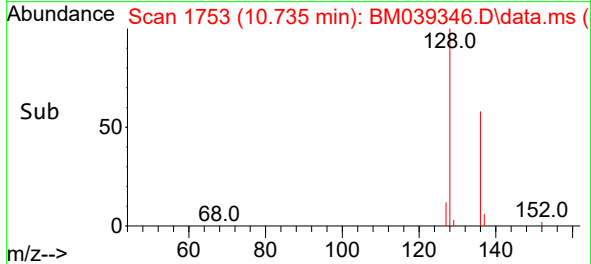
Instrument :
BNA_M
ClientSampleId :
CB9C1



Tgt Ion:128 Resp: 1459
Ion Ratio Lower Upper
128 100
129 25.8 10.1 15.1#
127 19.4 11.0 16.4#

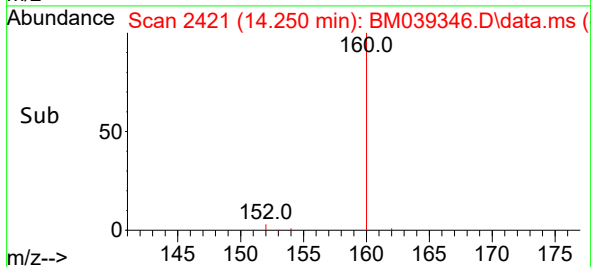
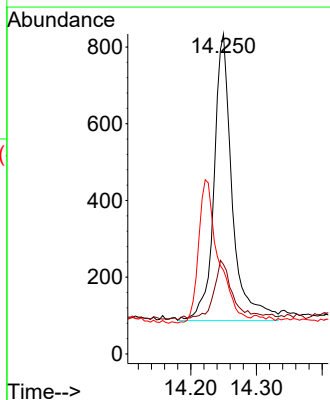
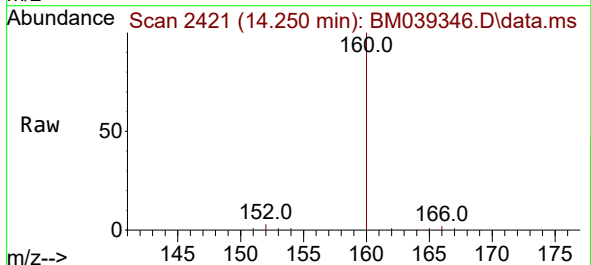
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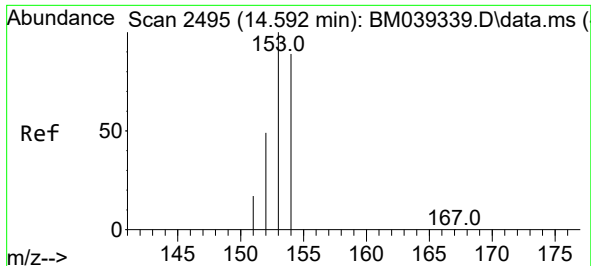
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#10
Acenaphthylene
Concen: 0.024 ng/ul
RT: 14.250 min Scan# 2421
Delta R.T. 0.000 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

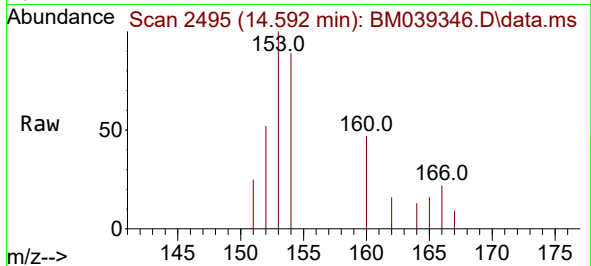
Tgt Ion:152 Resp: 1444
Ion Ratio Lower Upper
152 100
151 27.9 16.2 24.4#
153 26.1 11.6 17.4#





#11
Acenaphthene
Concen: 0.042 ng/ul
RT: 14.592 min Scan# 2495
Delta R.T. 0.000 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

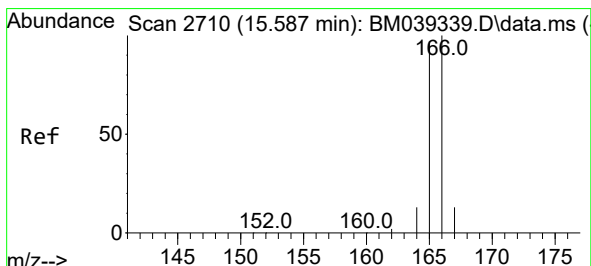
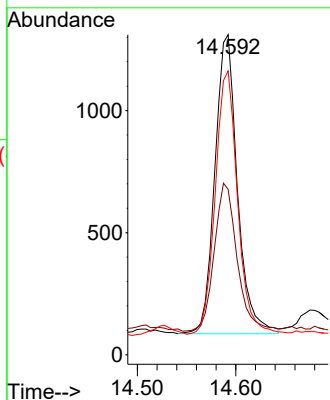
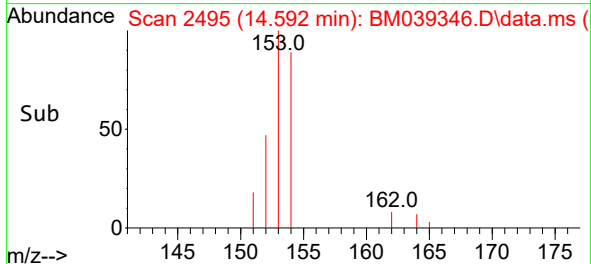
Instrument :
BNA_M
ClientSampleId :
CB9C1



Tgt Ion:153 Resp: 195
Ion Ratio Lower Upper
153 100
152 51.6 40.3 60.5
154 88.6 71.5 107.3

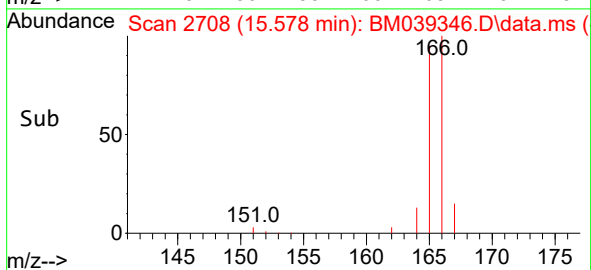
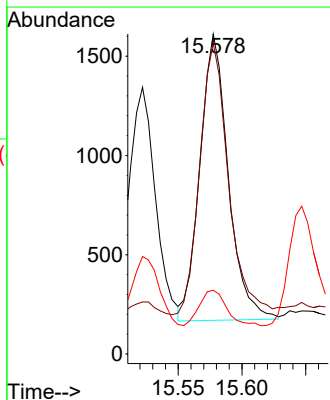
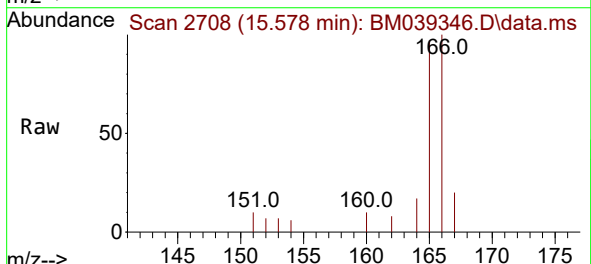
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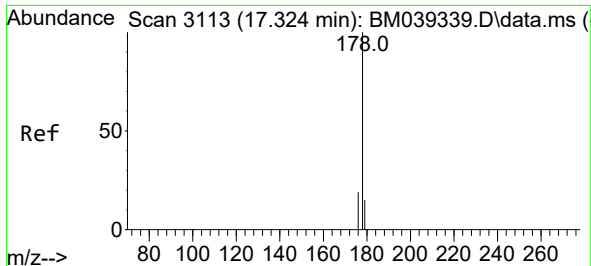
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#12
Fluorene
Concen: 0.048 ng/ul
RT: 15.578 min Scan# 2708
Delta R.T. -0.005 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

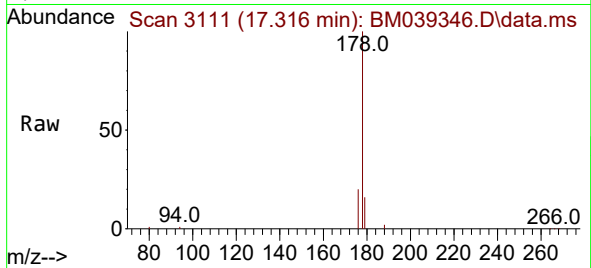
Tgt Ion:166 Resp: 2230
Ion Ratio Lower Upper
166 100
165 97.1 77.8 116.8
167 19.9 11.8 17.6#





#15
Phenanthrene
Concen: 0.822 ng/ul
RT: 17.316 min Scan# 3111
Delta R.T. -0.004 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

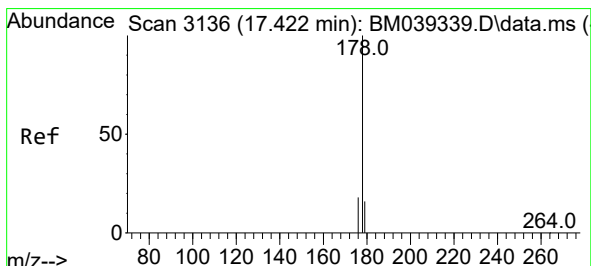
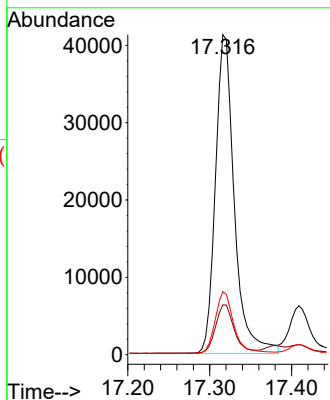
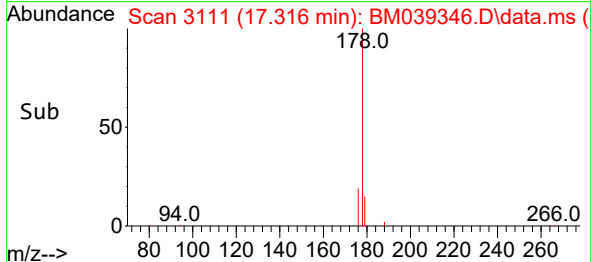
Instrument :
BNA_M
ClientSampleId :
CB9C1



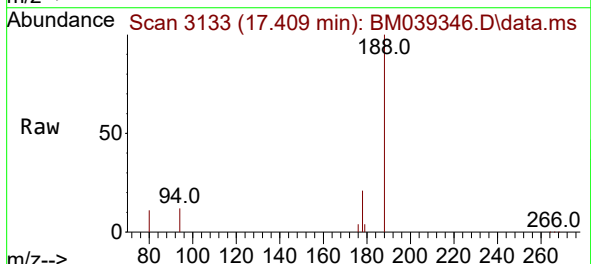
Tgt Ion:178 Resp: 66120
Ion Ratio Lower Upper
178 100
179 15.5 13.4 20.2
176 19.7 15.8 23.6

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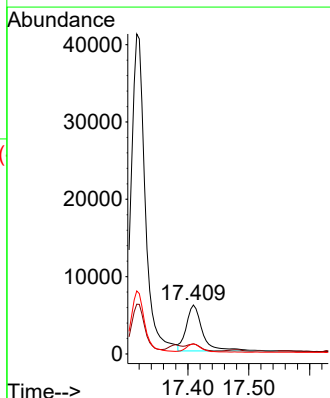
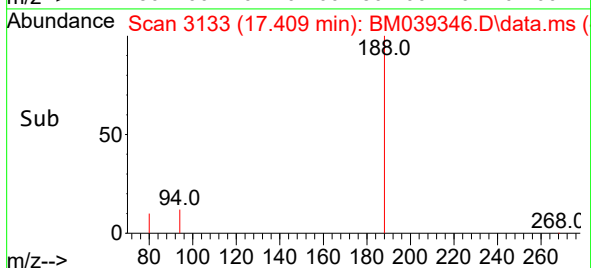
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023

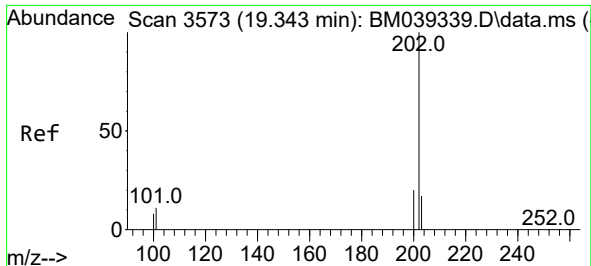


#16
Anthracene
Concen: 0.178 ng/ul
RT: 17.409 min Scan# 3133
Delta R.T. -0.008 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06



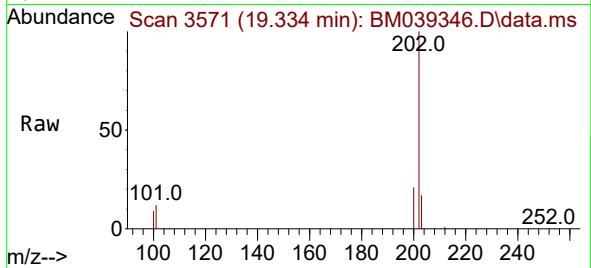
Tgt Ion:178 Resp: 10872
Ion Ratio Lower Upper
178 100
179 20.7 14.6 21.8
176 20.7 16.6 24.8





#19
Fluoranthene
Concen: 1.862 ng/ul
RT: 19.334 min Scan# 3573
Delta R.T. -0.005 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

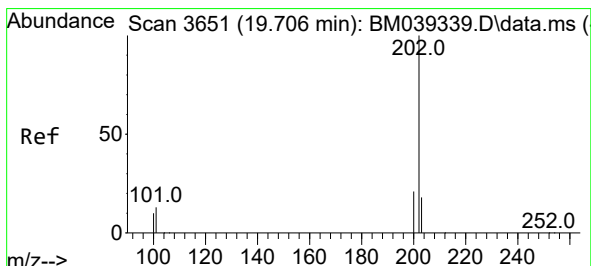
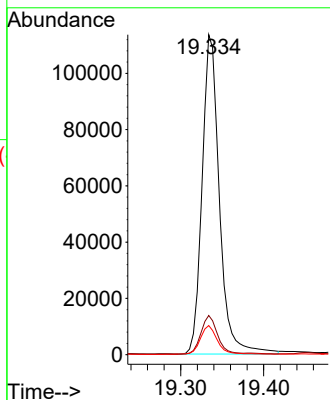
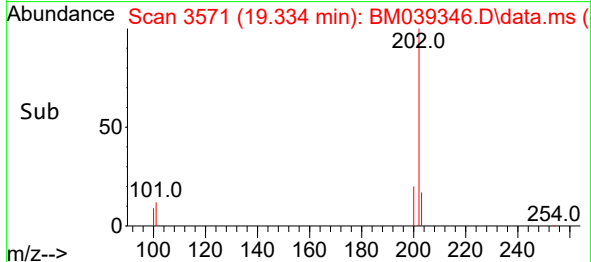
Instrument :
BNA_M
ClientSampleId :
CB9C1



Tgt Ion:202 Resp: 164919
Ion Ratio Lower Upper
202 100
101 12.2 9.7 14.5
100 9.1 7.4 11.0

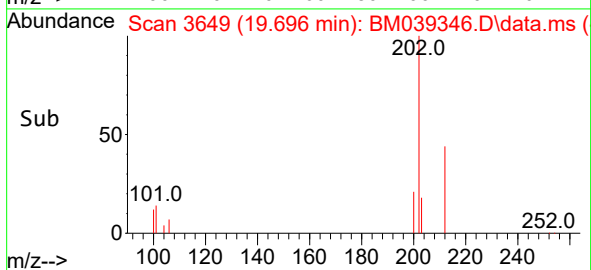
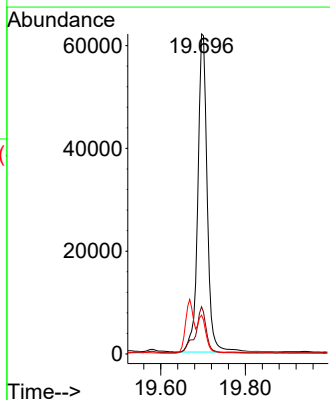
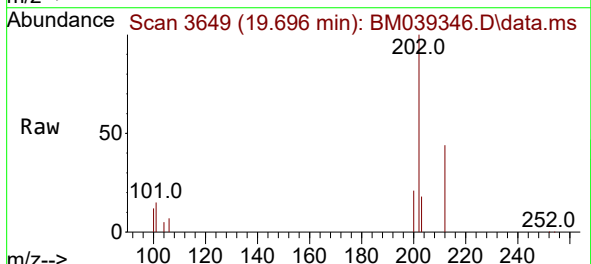
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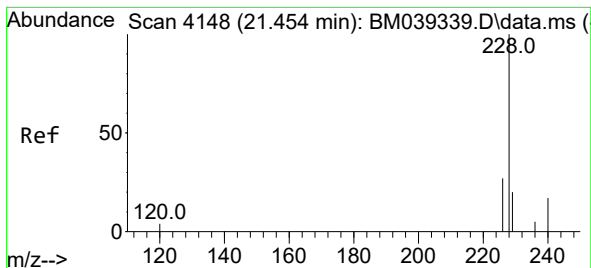
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#20
Pyrene
Concen: 0.943 ng/ul
RT: 19.696 min Scan# 3649
Delta R.T. -0.005 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

Tgt Ion:202 Resp: 95710
Ion Ratio Lower Upper
202 100
101 14.8 11.1 16.7
100 12.1 8.8 13.2





#21

Benzo(a)anthracene

Concen: 1.230 ng/ul

RT: 21.448 min Scan# 4148

Delta R.T. -0.003 min

Lab File: BM039346.D

Acq: 07 Apr 2023 10:06

Instrument :

BNA_M

ClientSampleId :

CB9C1

Tgt Ion:228 Resp: 60690

Ion Ratio Lower Upper

228 100

229 21.1 16.6 24.8

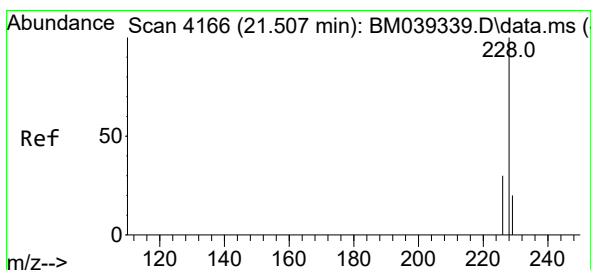
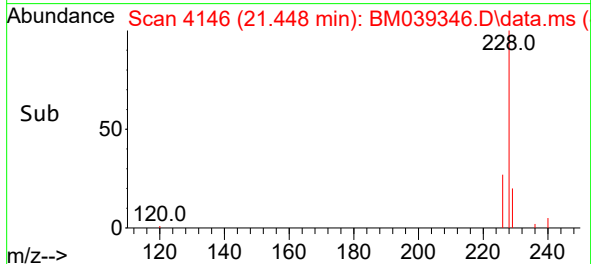
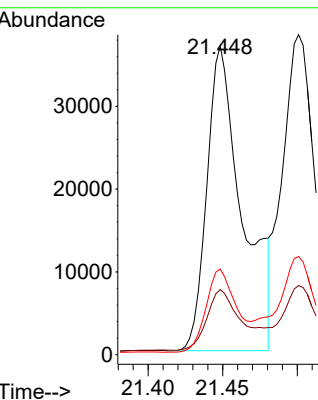
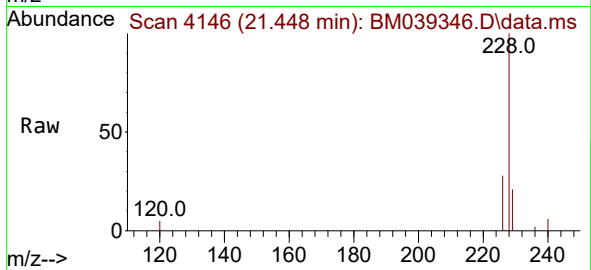
226 27.7 22.6 34.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/10/2023

Supervised By :Jagrut Upadhyay 04/10/2023



#22

Chrysene

Concen: 1.006 ng/ul

RT: 21.501 min Scan# 4164

Delta R.T. -0.003 min

Lab File: BM039346.D

Acq: 07 Apr 2023 10:06

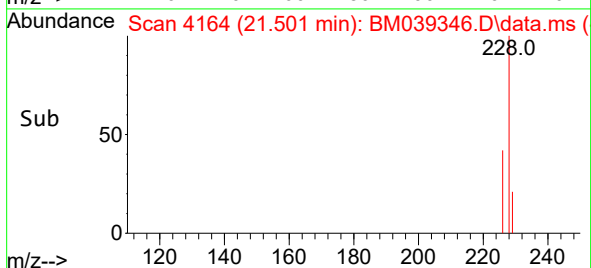
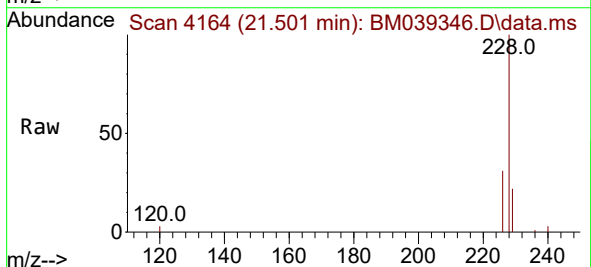
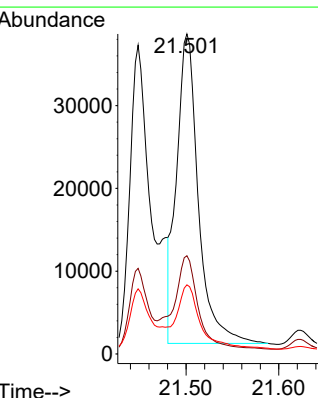
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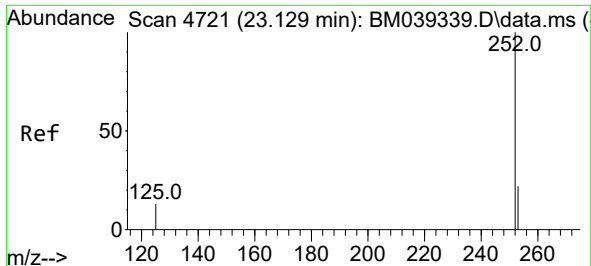
Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

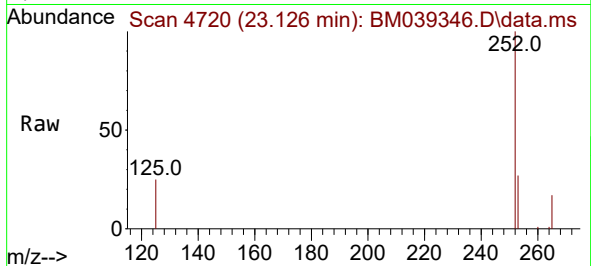
229 21.6 16.2 24.4





#24
Benzo(b)fluoranthene
Concen: 1.418 ng/ul
RT: 23.126 min Scan# 4720
Delta R.T. -0.003 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

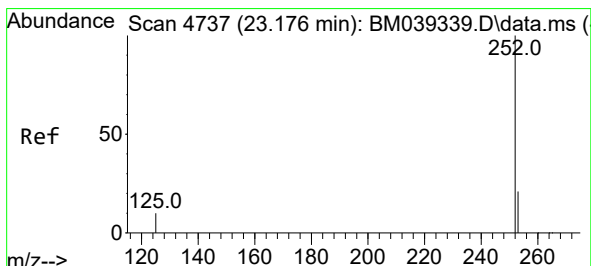
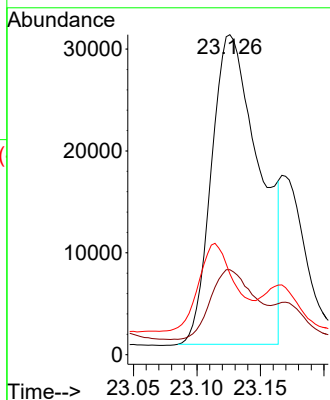
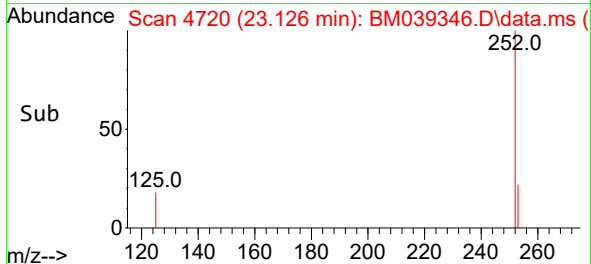
Instrument :
BNA_M
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CB9C1



Tgt Ion:252 Resp: 79570
Ion Ratio Lower Upper
252 100
253 26.6 0.0 64.4
125 25.2 0.0 50.4

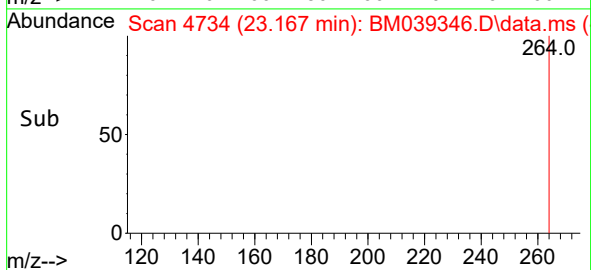
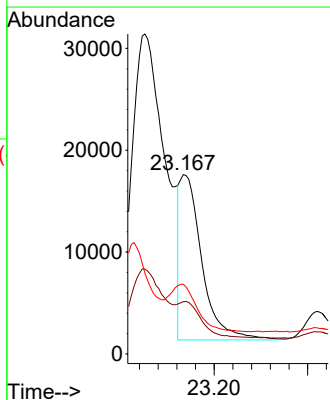
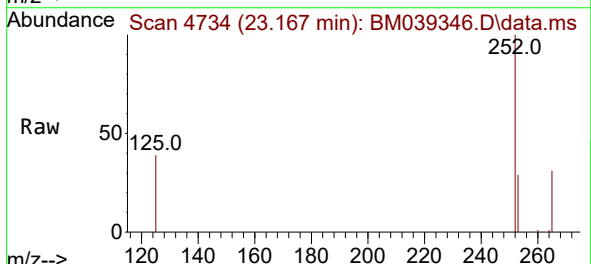
Manual Integrations
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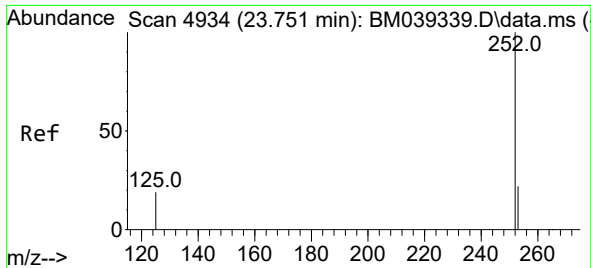
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#25
Benzo(k)fluoranthene
Concen: 0.495 ng/ul m
RT: 23.167 min Scan# 4734
Delta R.T. -0.009 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

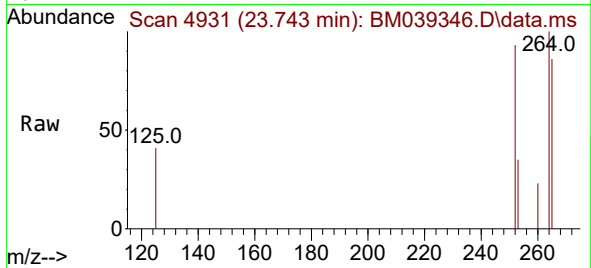
Tgt Ion:252 Resp: 26505
Ion Ratio Lower Upper
252 100
253 29.1 25.5 38.3
125 38.9 20.4 30.6#





#26
Benzo(a)pyrene
Concen: 0.269 ng/ul
RT: 23.743 min Scan# 4934
Delta R.T. -0.006 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

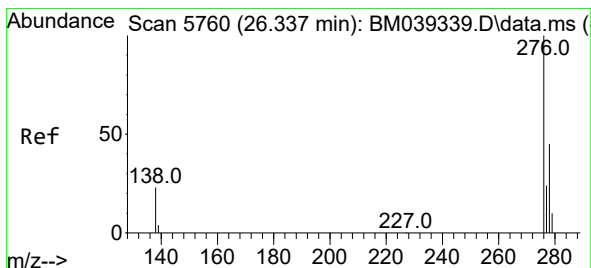
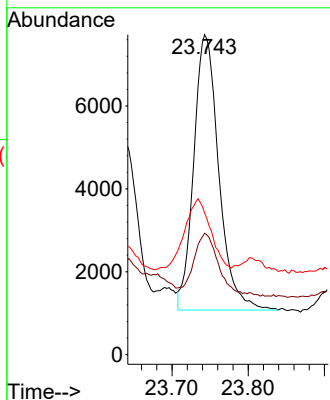
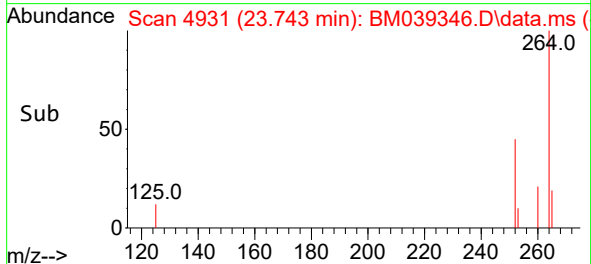
Instrument :
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ClientSampleId :
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Tgt Ion:252 Resp: 1518
Ion Ratio Lower Upper
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125 44.3 28.2 42.4

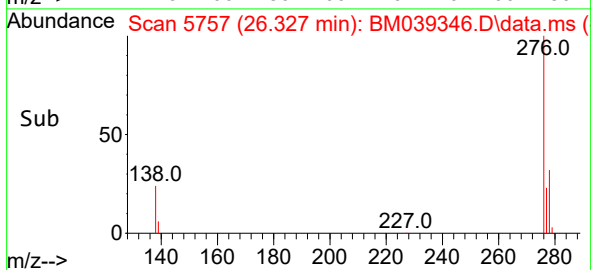
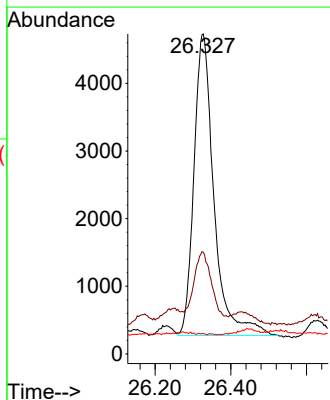
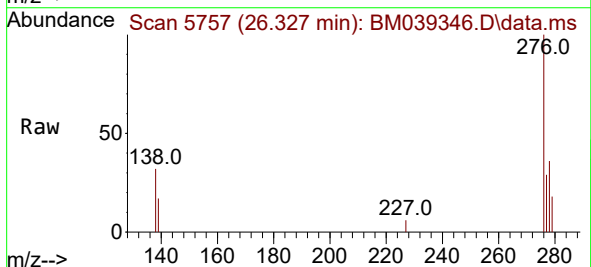
Manual Integrations
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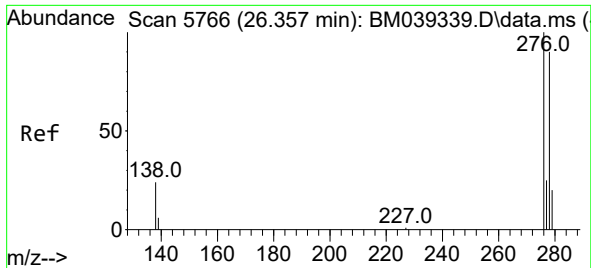
Reviewed By :Christian Giraldo 04/10/2023
Supervised By :Jagrut Upadhyay 04/10/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.229 ng/ul
RT: 26.327 min Scan# 5757
Delta R.T. -0.010 min
Lab File: BM039346.D
Acq: 07 Apr 2023 10:06

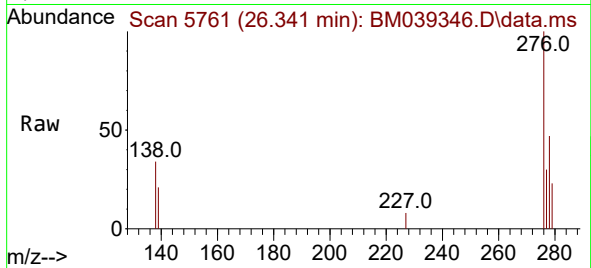
Tgt Ion:276 Resp: 16342
Ion Ratio Lower Upper
276 100
138 18.6 21.4 32.0#
227 0.2 0.1 0.1#





#28
 Dibenzo(a,h)anthracene
 Concen: 0.128 ng/ul
 RT: 26.341 min Scan# 51
 Delta R.T. -0.013 min
 Lab File: BM039346.D
 Acq: 07 Apr 2023 10:06

Instrument :
 BNA_M
 ClientSampleId :
 CB9C1



Tgt Ion: 278 Resp: 635
 Ion Ratio Lower Upper
 278 100
 139 43.8 21.8 32.6
 279 48.1 30.0 45.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/10/2023
 Supervised By : Jagrut Upadhyay 04/10/2023

