

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039135.D
 Acq On : 24 Mar 2023 02:59
 Operator : CG/JU
 Sample : 01932-19DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JPP-6C-031423DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/24/2023
 Supervised By : Jagrut Upadhyay 03/24/2023

Quant Time: Mar 24 04:37:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	301112	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	1205861	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	693317	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1430479	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1242647	20.000	ng	0.00
86) Perylene-d12	23.962	264	1406917	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	194479	9.813	ng	0.00
7) Phenol-d6	7.128	99	240676	9.349	ng	0.00
23) Nitrobenzene-d5	9.128	82	144229	5.875	ng	-0.01
42) 2,4,6-Tribromophenol	16.092	330	74934	9.343	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	327804	6.155	ng	0.00
79) Terphenyl-d14	19.962	244	491393	7.230	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.392	178	1942114	23.133	ng	100
72) Anthracene	17.480	178	563059	6.725	ng	99
75) Fluoranthene	19.409	202	4753023	53.619	ng	100
78) Pyrene	19.768	202	4640977	49.725	ng	99
81) Benzo(a)anthracene	21.515	228	2254019	25.188	ng	98
83) Chrysene	21.568	228	1997499m	22.950	ng	
84) Bis(2-ethylhexyl)phtha...	21.433	149	41378	3.169	ng	# 97
87) Indeno(1,2,3-cd)pyrene	26.491	276	1416022	13.227	ng	96
88) Benzo(b)fluoranthene	23.227	252	2858748	31.805	ng	98
89) Benzo(k)fluoranthene	23.262	252	785100m	8.393	ng	
90) Benzo(a)pyrene	23.856	252	2125731	24.573	ng	98
91) Dibenzo(a,h)anthracene	26.503	278	357290	3.941	ng	# 87
92) Benzo(g,h,i)perylene	27.285	276	1381903	15.579	ng	99

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

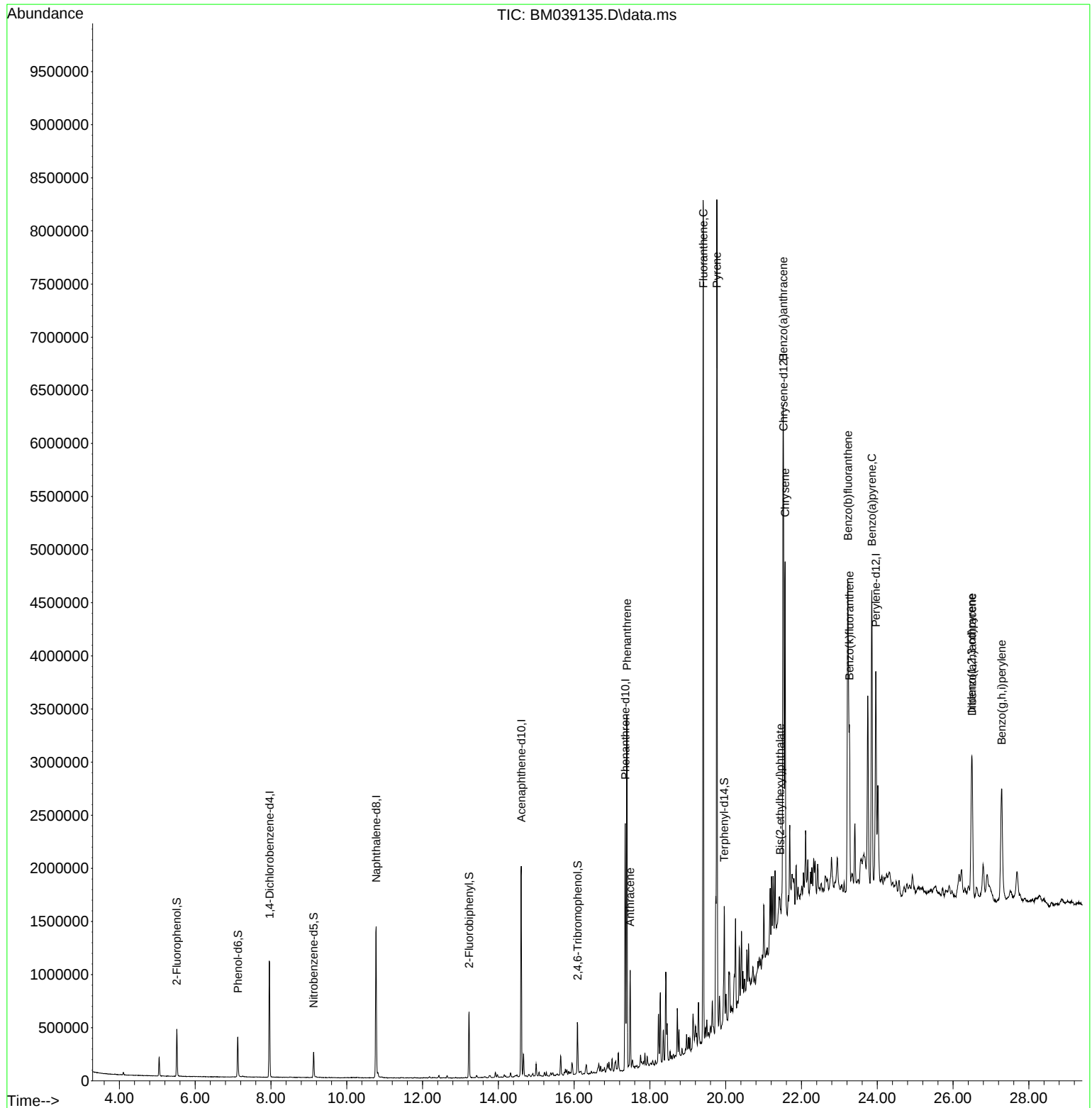
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
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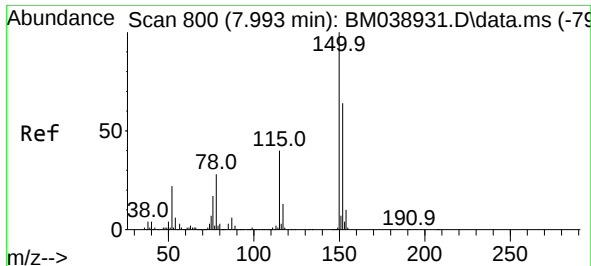
Instrument :
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Quant Time: Mar 24 04:37:37 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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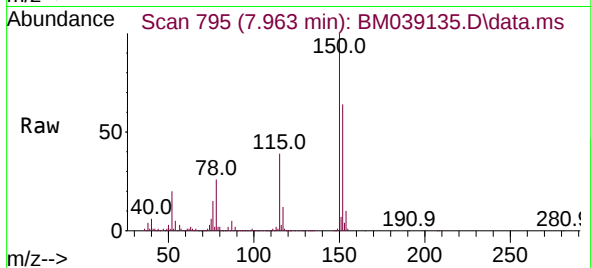
Reviewed By : Christian Giraldo 03/24/2023
Supervised By : Jagrut Upadhyay 03/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

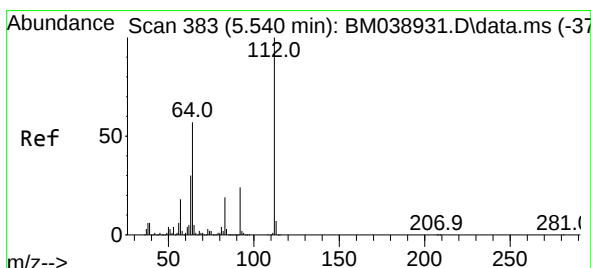
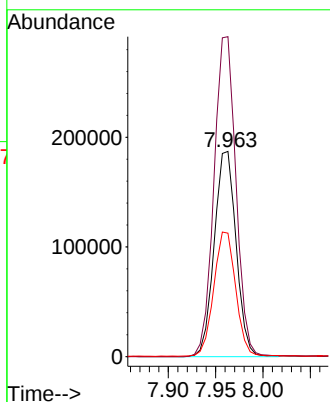
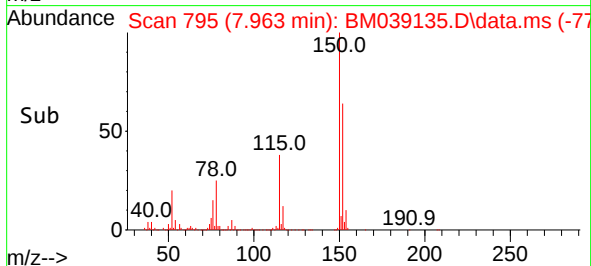
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL



Tgt Ion:152 Resp: 301112
Ion Ratio Lower Upper
152 100
150 155.9 125.1 187.7
115 60.2 49.6 74.4

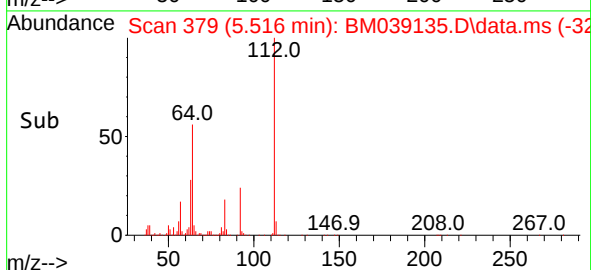
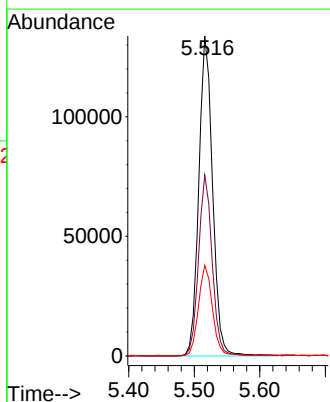
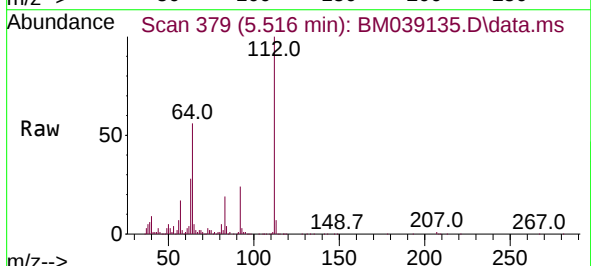
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Supervised By :Jagrut Upadhyay 03/24/2023



#5
2-Fluorophenol
Concen: 9.813 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:112 Resp: 194479
Ion Ratio Lower Upper
112 100
64 56.5 45.9 68.9
63 28.3 23.8 35.8





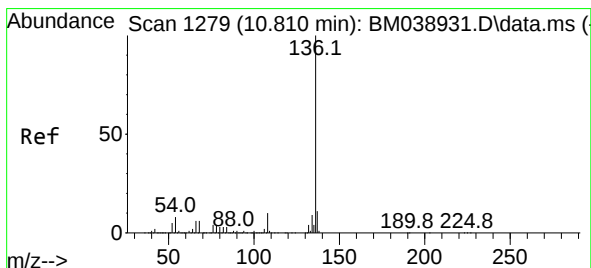
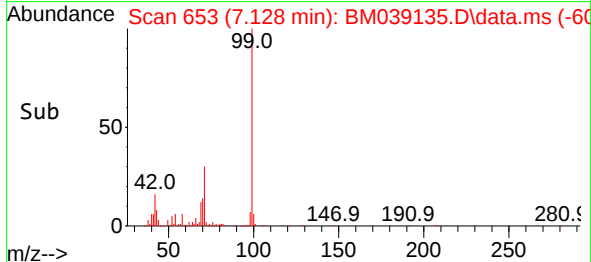
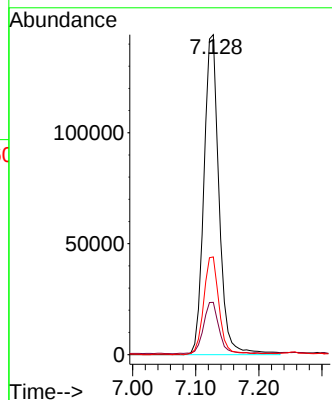
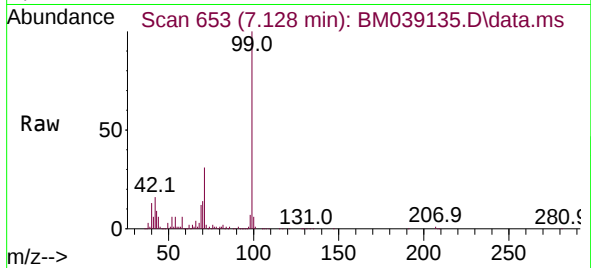
#7
Phenol-d6
Concen: 9.349 ng
RT: 7.128 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

Tgt Ion: 99 Resp: 240676
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 30.5 25.6 38.4

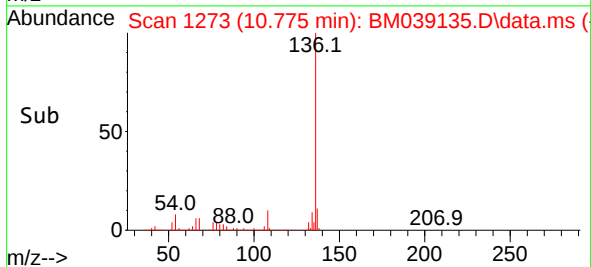
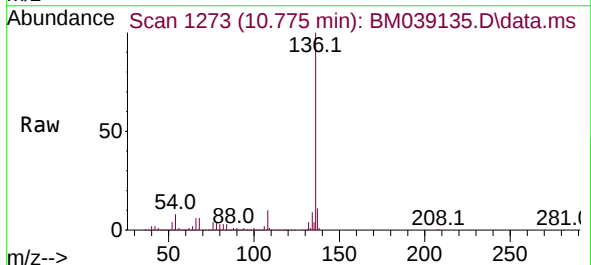
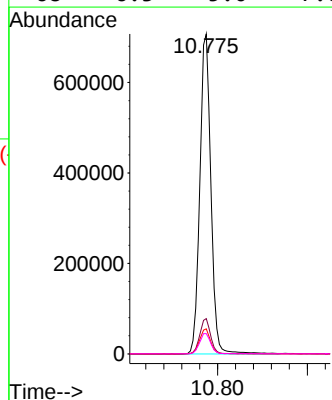
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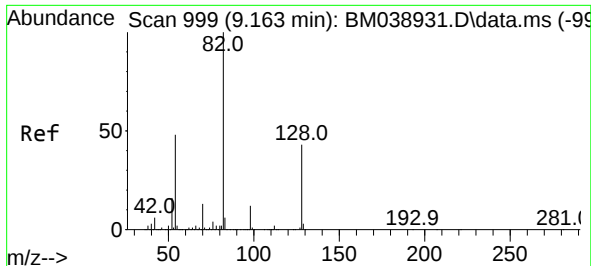
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1273
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

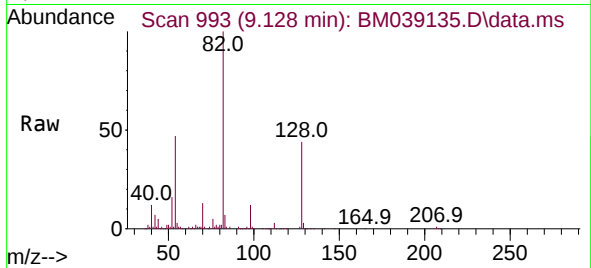
Tgt Ion:136 Resp: 1205861
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.8 6.3 9.5
68 6.3 5.0 7.6





#23
Nitrobenzene-d5
Concen: 5.875 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

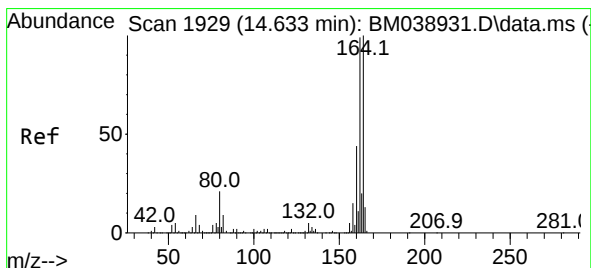
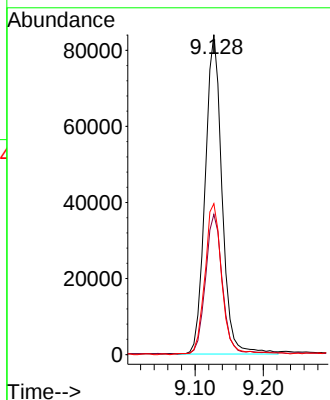
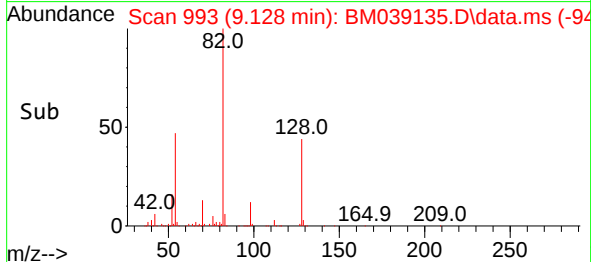
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL



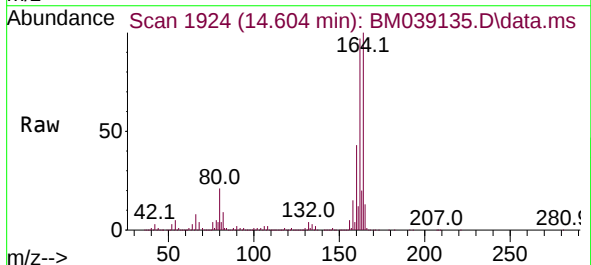
Tgt Ion: 82 Resp: 144229
Ion Ratio Lower Upper
82 100
128 43.8 34.4 51.6
54 47.2 38.8 58.2

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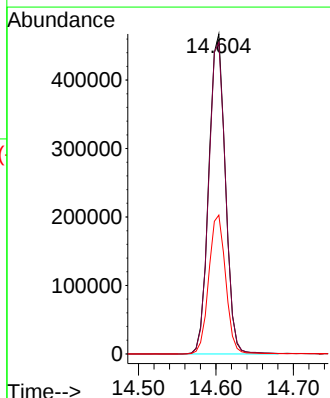
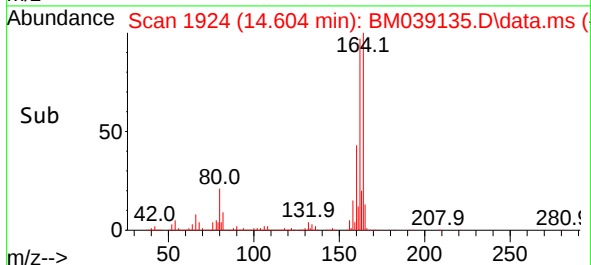
Reviewed By :Christian Giraldo 03/24/2023
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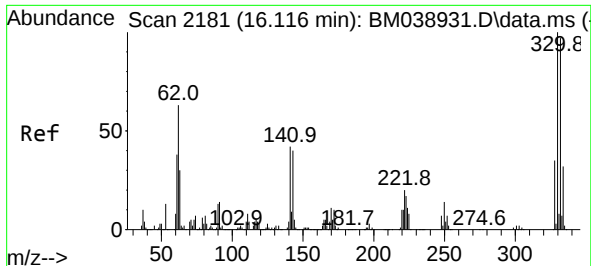


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59



Tgt Ion:164 Resp: 693317
Ion Ratio Lower Upper
164 100
162 97.3 79.2 118.8
160 43.4 35.5 53.3





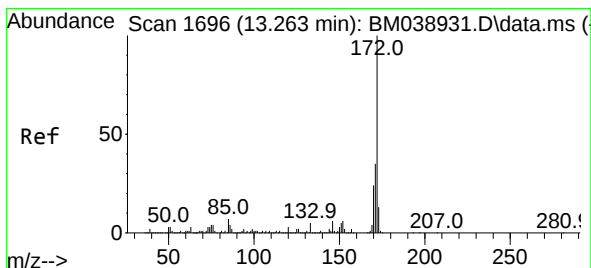
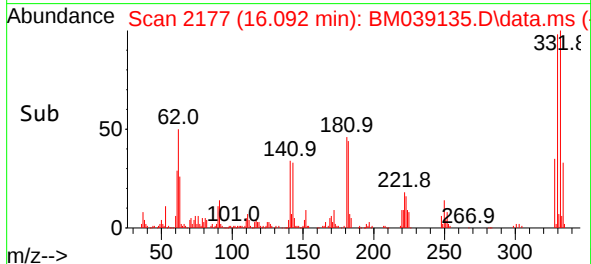
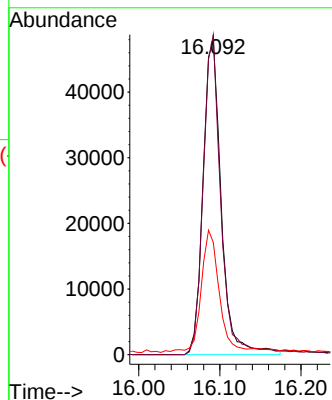
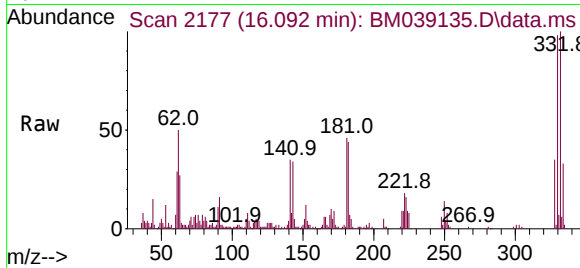
#42
2,4,6-Tribromophenol
Concen: 9.343 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

Tgt Ion:330 Resp: 74934
Ion Ratio Lower Upper
330 100
332 98.8 77.4 116.0
141 40.8 32.2 48.4

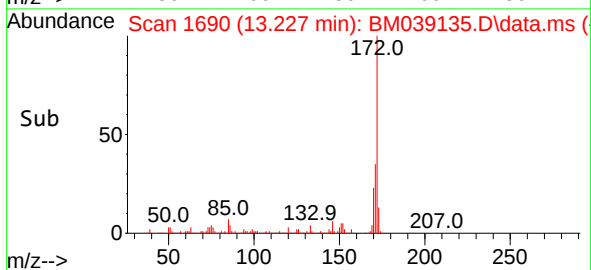
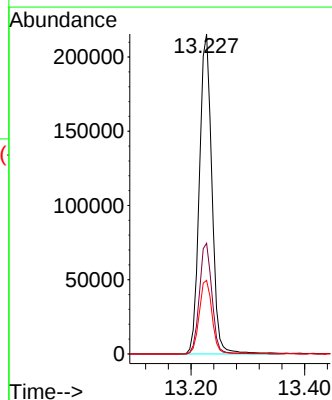
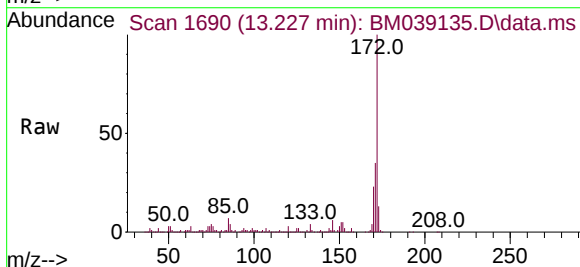
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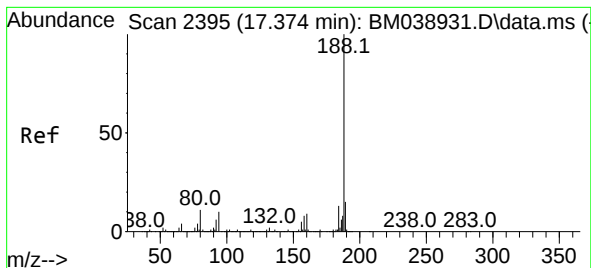
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#45
2-Fluorobiphenyl
Concen: 6.155 ng
RT: 13.227 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:172 Resp: 327804
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.0 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.351 min Scan# 2391

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

Tgt Ion:188 Resp: 1430479

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

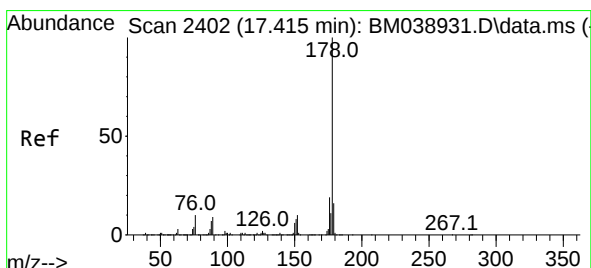
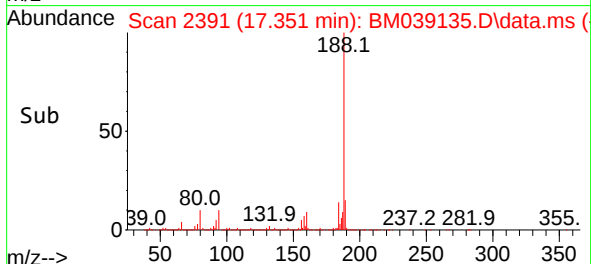
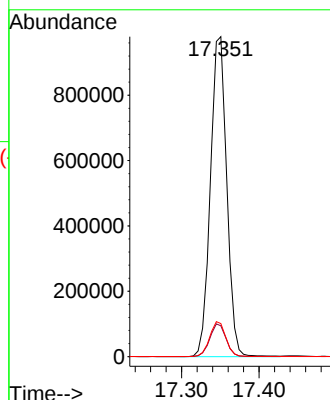
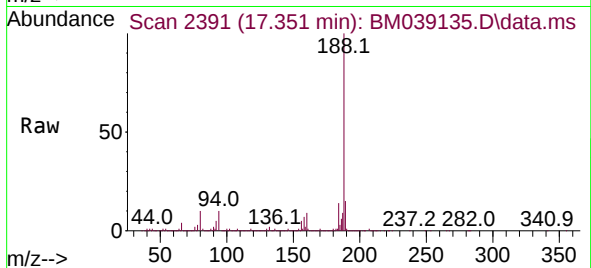
80 10.4 8.5 12.7

Manual Integrations

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Reviewed By :Christian Giraldo 03/24/2023

Supervised By :Jagrut Upadhyay 03/24/2023



#71

Phenanthrene

Concen: 23.133 ng

RT: 17.392 min Scan# 2398

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

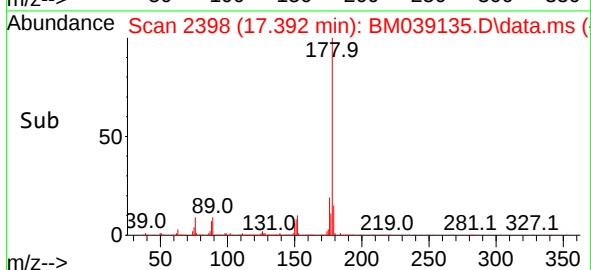
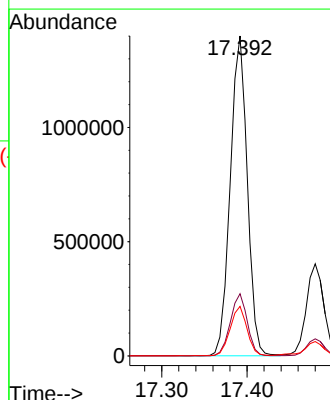
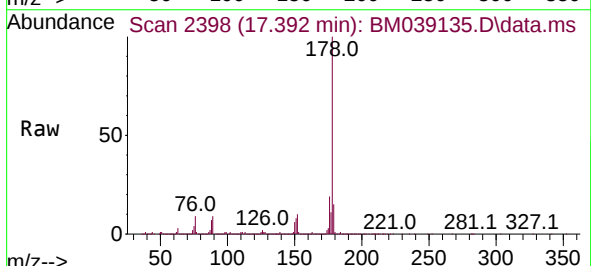
Tgt Ion:178 Resp: 1942114

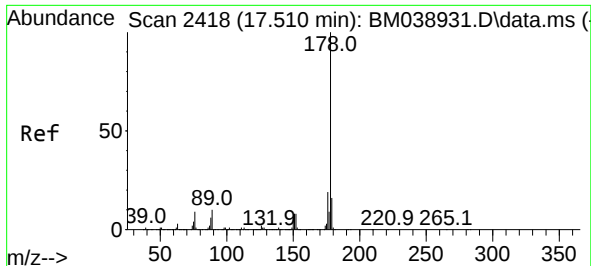
Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

179 15.5 12.5 18.7





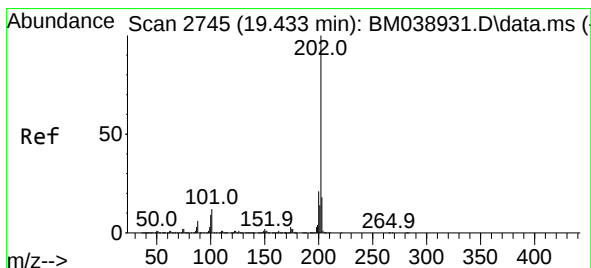
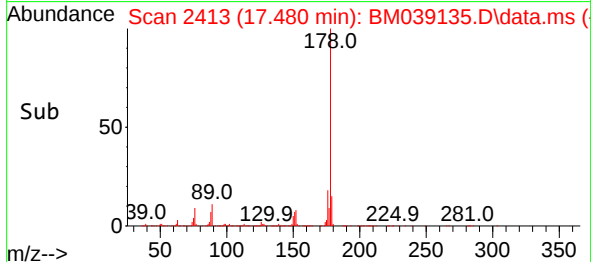
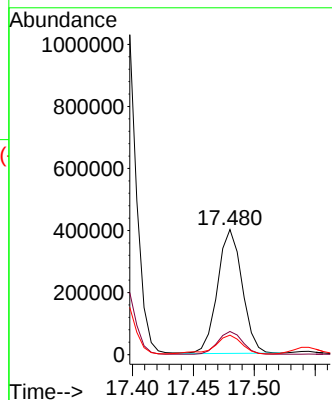
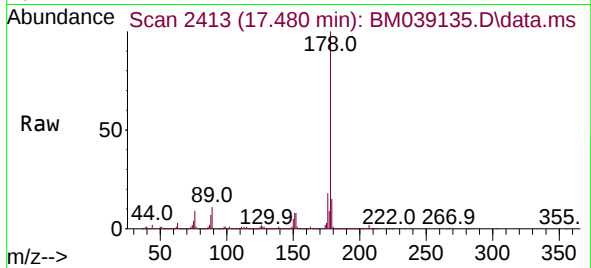
#72
 Anthracene
 Concen: 6.725 ng
 RT: 17.480 min Scan# 2418
 Delta R.T. -0.006 min
 Lab File: BM039135.D
 Acq: 24 Mar 2023 02:59

Instrument :
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 JPP-6C-031423DL

Tgt Ion:178 Resp: 563059
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 15.5 12.5 18.7

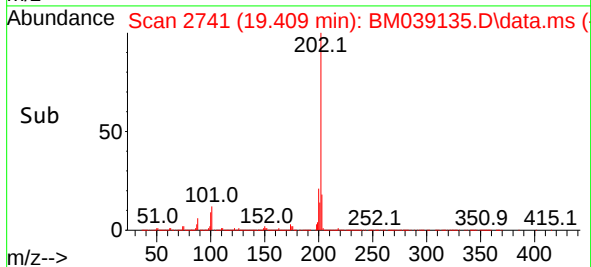
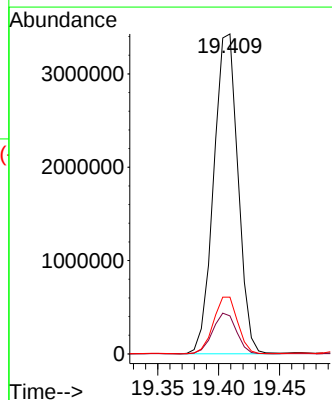
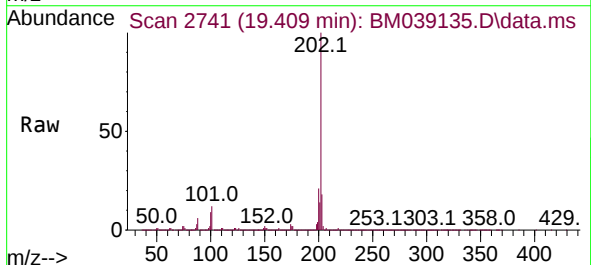
Manual Integrations
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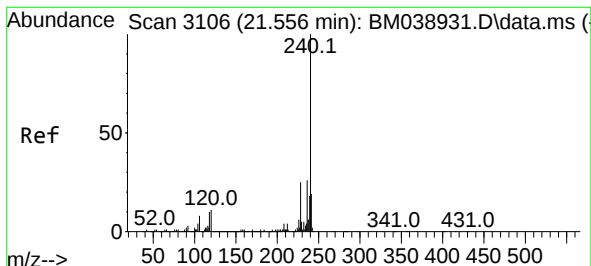
Reviewed By :Christian Giraldo 03/24/2023
 Supervised By :Jagrut Upadhyay 03/24/2023



#75
 Fluoranthene
 Concen: 53.619 ng
 RT: 19.409 min Scan# 2741
 Delta R.T. -0.000 min
 Lab File: BM039135.D
 Acq: 24 Mar 2023 02:59

Tgt Ion:202 Resp: 4753023
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 31.7
 203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.527 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL

Tgt Ion:240 Resp: 124264

Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

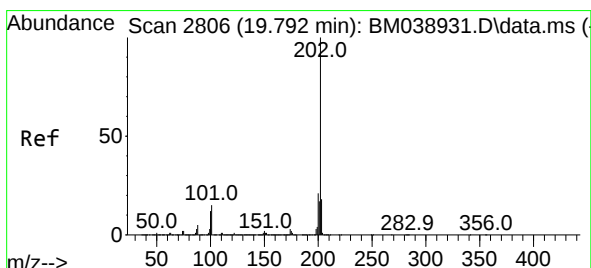
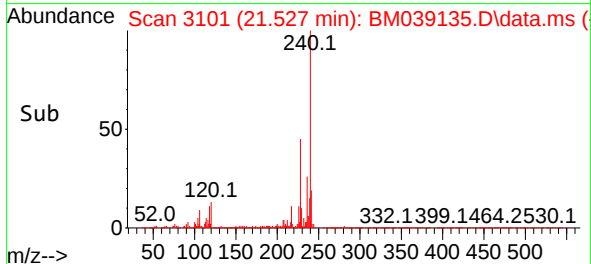
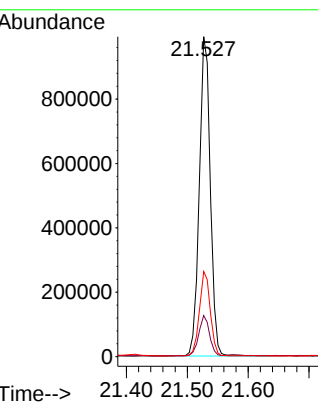
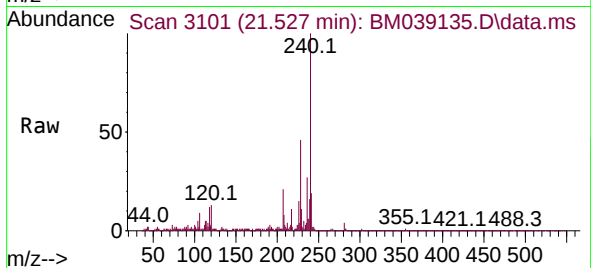
236 26.6 20.8 31.2

Manual Integrations

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#78

Pyrene

Concen: 49.725 ng

RT: 19.768 min Scan# 2802

Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

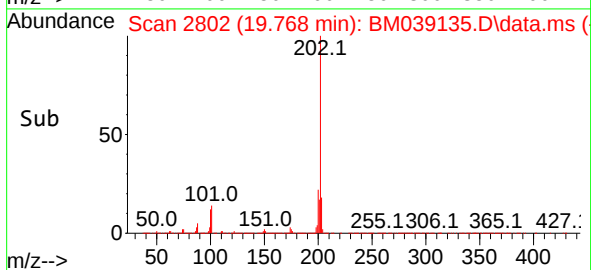
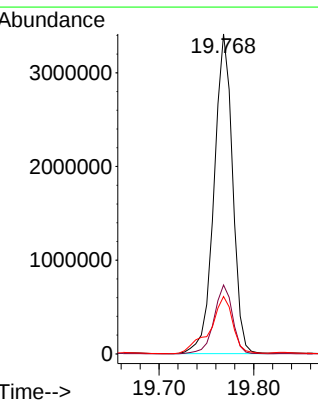
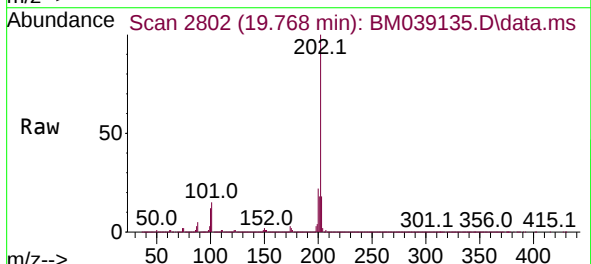
Tgt Ion:202 Resp: 4640977

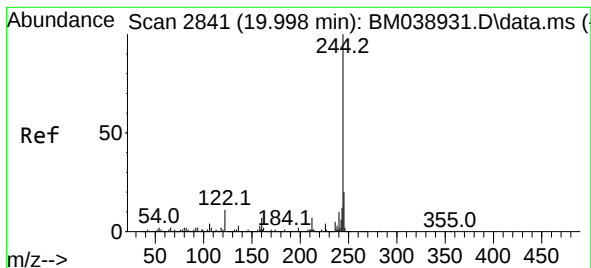
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 7.230 ng

RT: 19.962 min Scan# 2841

Delta R.T. -0.006 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

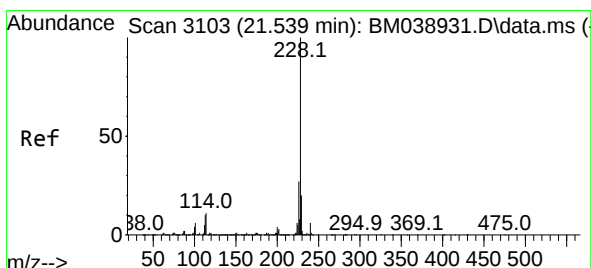
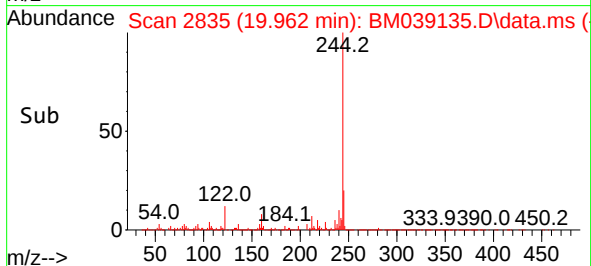
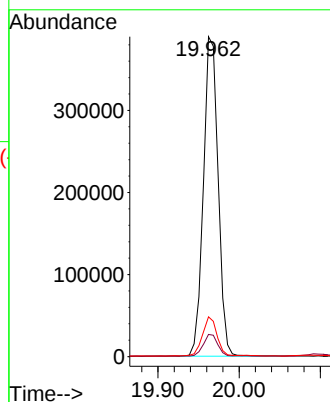
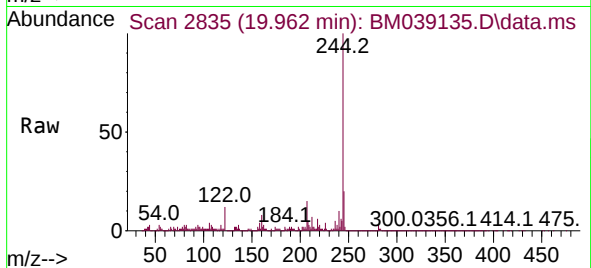
JPP-6C-031423DL

Tgt Ion:244 Resp: 491393
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 12.4 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2023
 Supervised By :Jagrut Upadhyay 03/24/2023



#81

Benzo(a)anthracene

Concen: 25.188 ng

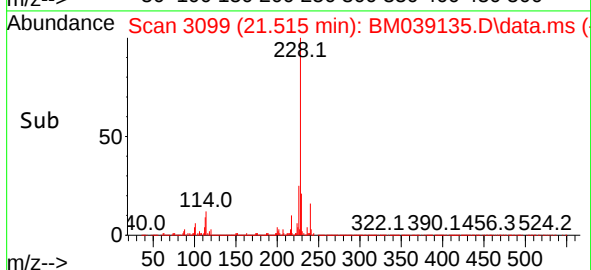
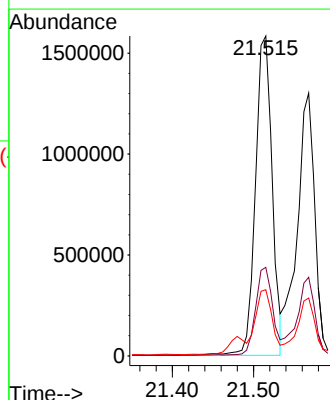
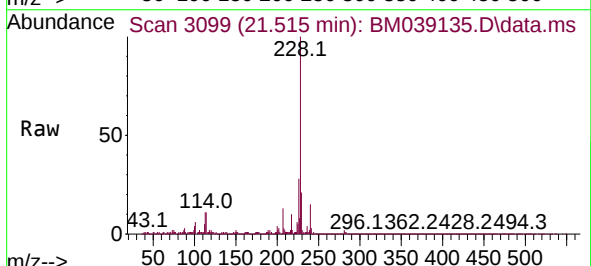
RT: 21.515 min Scan# 3099

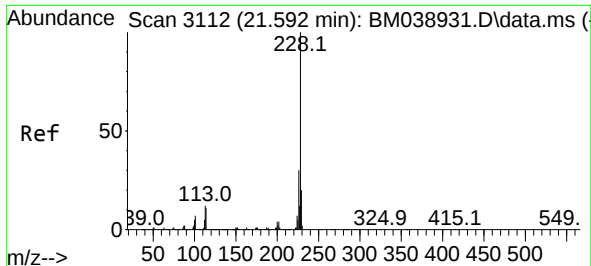
Delta R.T. -0.000 min

Lab File: BM039135.D

Acq: 24 Mar 2023 02:59

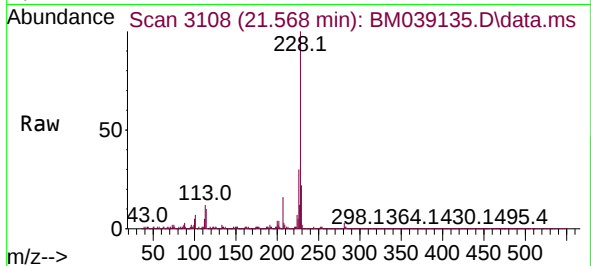
Tgt Ion:228 Resp: 2254019
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.4 32.2
 229 20.7 15.7 23.5





#83
Chrysene
Concen: 22.950 ng m
RT: 21.568 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

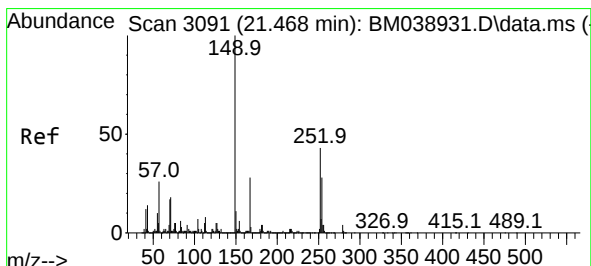
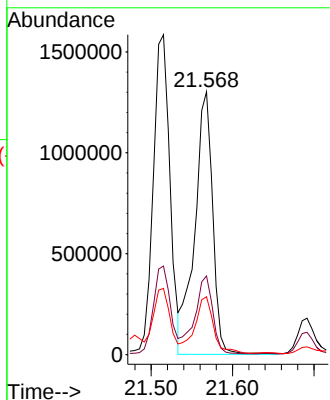
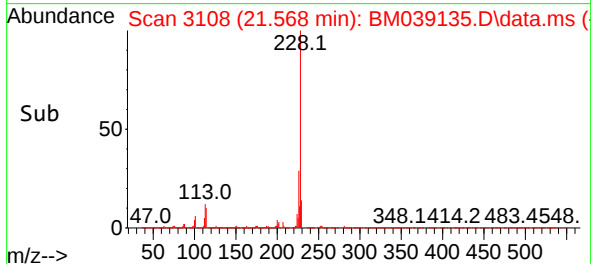
Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL



Tgt Ion:228 Resp: 1997499
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 22.0 16.0 24.0

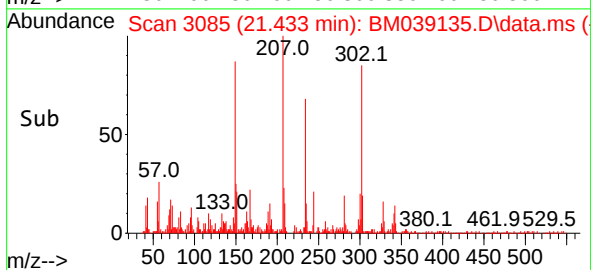
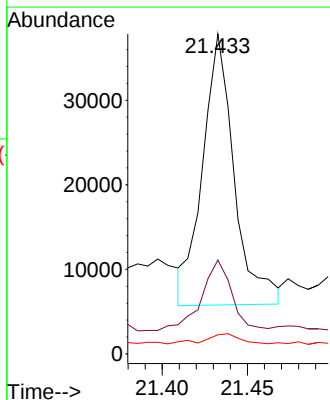
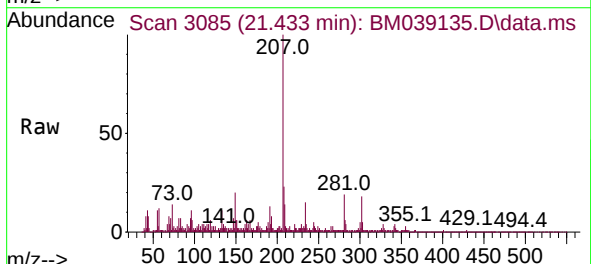
Manual Integrations
APPROVED

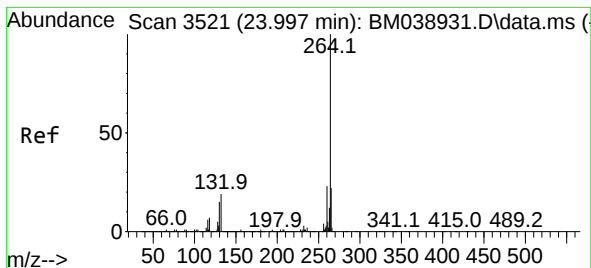
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.169 ng
RT: 21.433 min Scan# 3085
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:149 Resp: 41378
Ion Ratio Lower Upper
149 100
167 29.3 22.3 33.5
279 6.0 3.2 4.8#





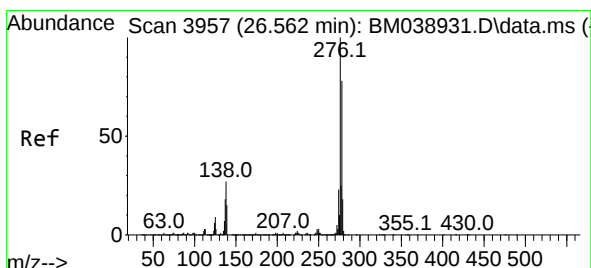
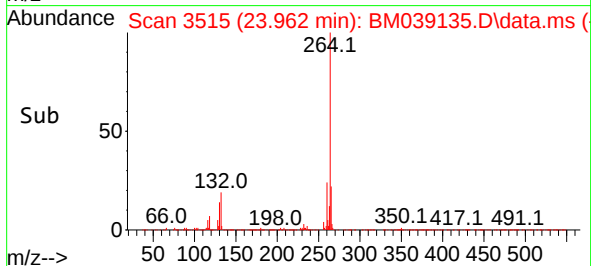
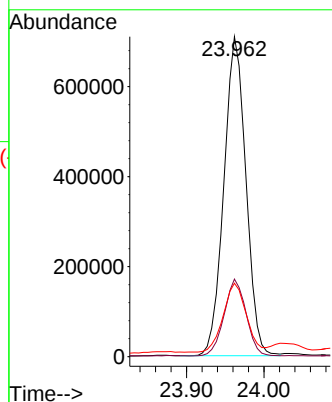
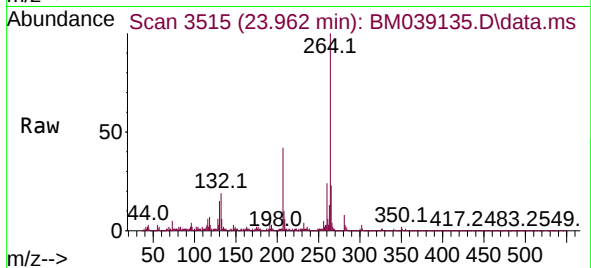
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.962 min Scan# 3515
Delta R.T. -0.000 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

Tgt Ion:264 Resp: 1406917
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 22.9 17.9 26.9

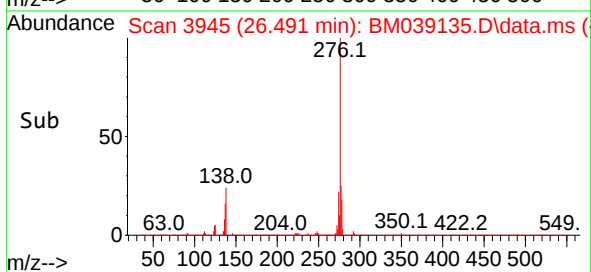
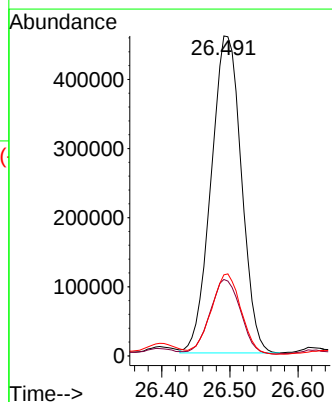
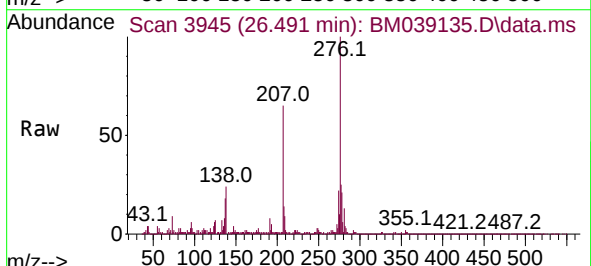
Manual Integrations
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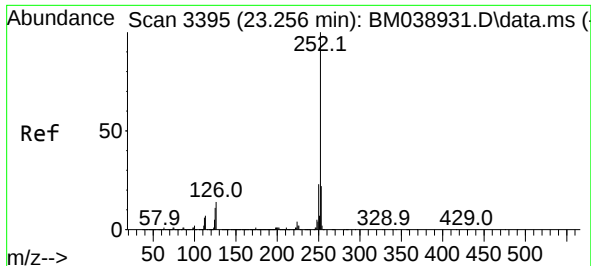
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.227 ng
RT: 26.491 min Scan# 3945
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:276 Resp: 1416022
Ion Ratio Lower Upper
276 100
138 23.7 22.1 33.1
277 24.8 20.1 30.1





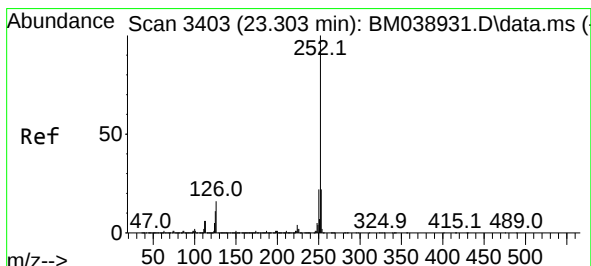
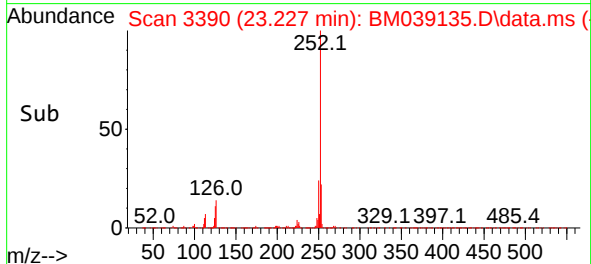
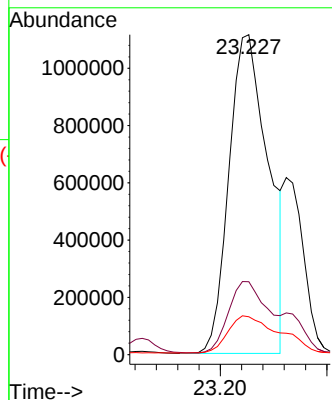
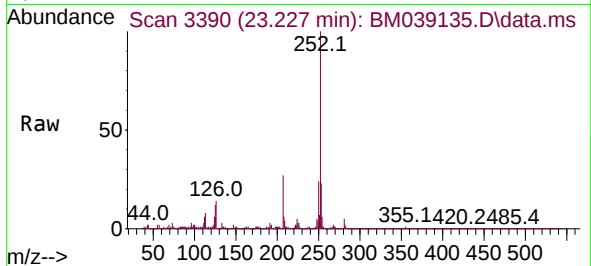
#88
Benzo(b)fluoranthene
Concen: 31.805 ng
RT: 23.227 min Scan# 3390
Delta R.T. 0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

Tgt Ion:252 Resp: 2858748
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 11.8 8.8 13.2

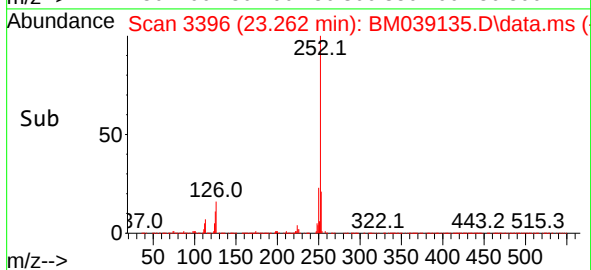
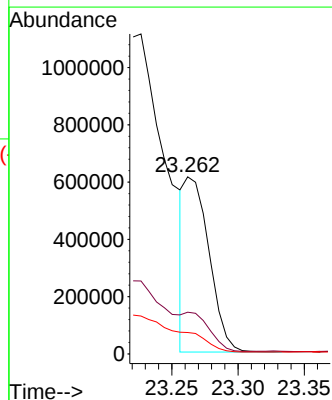
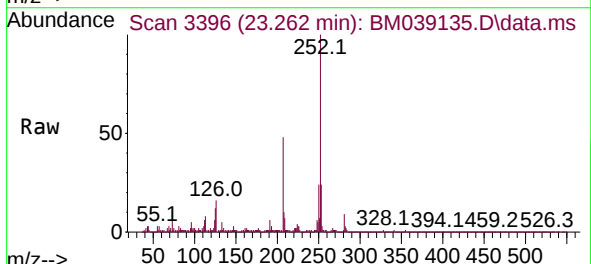
Manual Integrations
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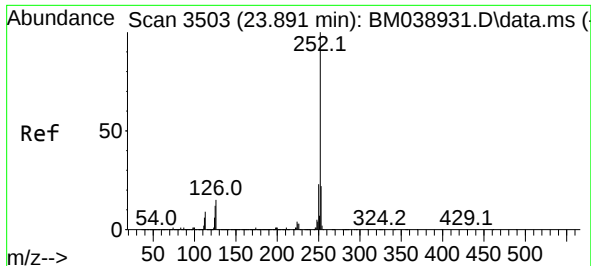
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#89
Benzo(k)fluoranthene
Concen: 8.393 ng m
RT: 23.262 min Scan# 3396
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:252 Resp: 785100
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 12.0 8.9 13.3





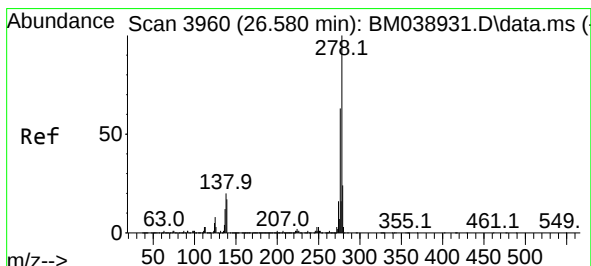
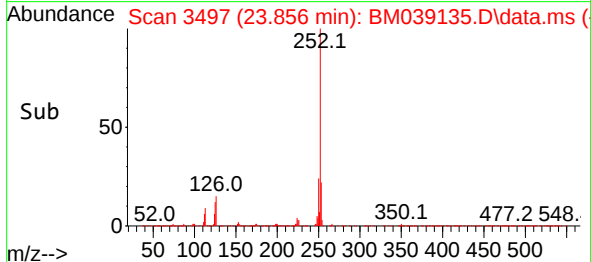
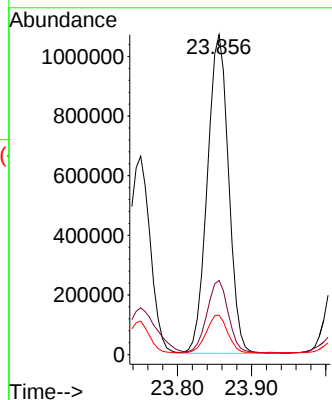
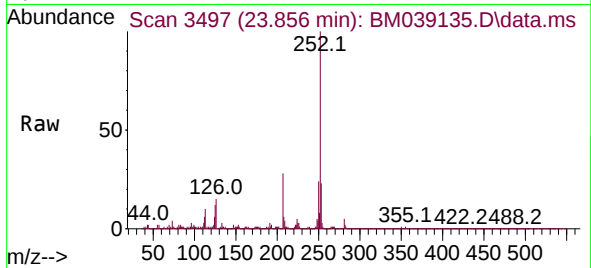
#90
Benzo(a)pyrene
Concen: 24.573 ng
RT: 23.856 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Instrument :
BNA_M
ClientSampleId :
JPP-6C-031423DL

Tgt Ion:252 Resp: 212573
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.3 9.8 14.8

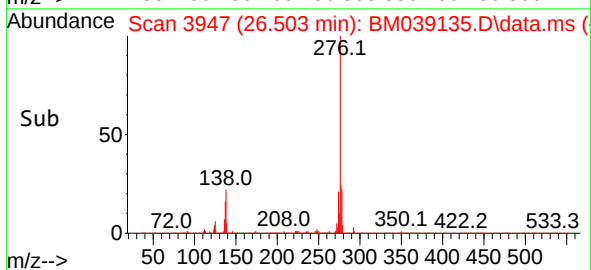
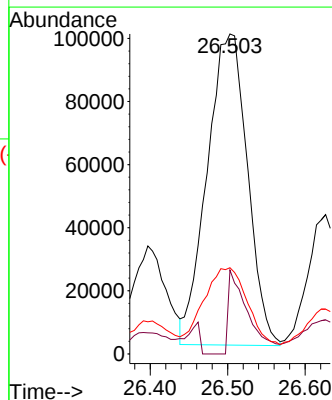
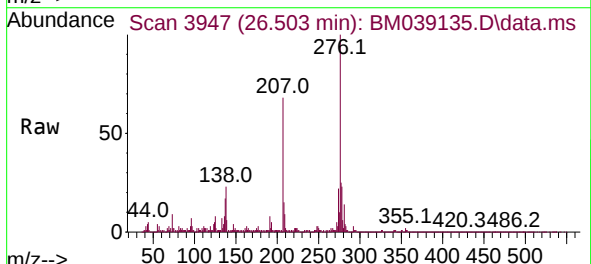
Manual Integrations
APPROVED

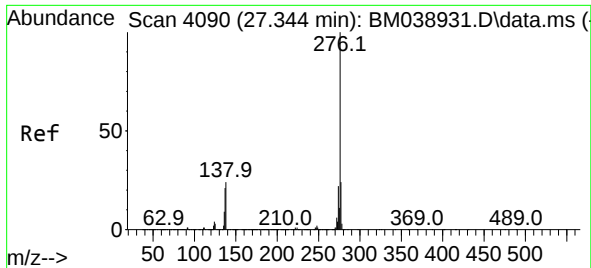
Reviewed By :Christian Giraldo 03/24/2023
Supervised By :Jagrut Upadhyay 03/24/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.941 ng
RT: 26.503 min Scan# 3947
Delta R.T. -0.006 min
Lab File: BM039135.D
Acq: 24 Mar 2023 02:59

Tgt Ion:278 Resp: 357290
Ion Ratio Lower Upper
278 100
139 26.2 13.7 20.5#
279 26.9 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 15.579 ng

RT: 27.285 min Scan# 40

Delta R.T. 0.012 min

Lab File: BM039135.D

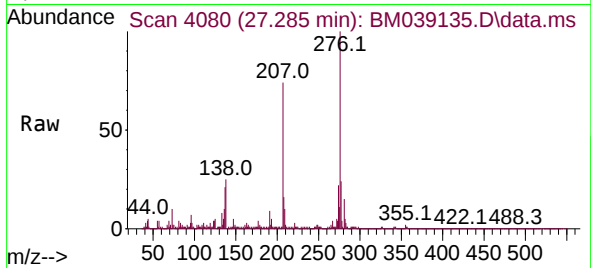
Acq: 24 Mar 2023 02:59

Instrument :

BNA_M

ClientSampleId :

JPP-6C-031423DL



Tgt Ion:276 Resp: 1381903

Ion Ratio Lower Upper

276 100

277 24.4 19.3 28.9

138 24.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/24/2023

Supervised By :Jagrut Upadhyay 03/24/2023

