

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132931.D
 Acq On : 20 Apr 2023 01:19
 Operator : CG\JU
 Sample : 02371-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/20/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 20 04:22:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	279732	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	1122200	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	568070	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	918149	20.000	ng	0.00
76) Chrysene-d12	13.921	240	597680	20.000	ng	0.00
86) Perylene-d12	15.351	264	528497	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	344364	19.250	ng	0.00
7) Phenol-d6	6.381	99	461469	20.215	ng	-0.02
23) Nitrobenzene-d5	7.322	82	269314	12.509	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	76757	13.471	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	537879	14.546	ng	-0.01
79) Terphenyl-d14	12.868	244	478781	13.667	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.833	154	73153	2.136	ng	99
58) Fluorene	10.345	166	94770	2.662	ng	100
71) Phenanthrene	11.310	178	1279868	25.915	ng	99
72) Anthracene	11.357	178	182624	3.612	ng	98
75) Fluoranthene	12.498	202	1137916	23.170	ng	99
78) Pyrene	12.721	202	1096293	22.432	ng	99
81) Benzo(a)anthracene	13.910	228	451543	11.109	ng	99
83) Chrysene	13.945	228	433469	10.729	ng	99
87) Indeno(1,2,3-cd)pyrene	16.739	276	149544	4.952	ng	97
88) Benzo(b)fluoranthene	14.939	252	443872m	13.483	ng	
89) Benzo(k)fluoranthene	14.962	252	135253m	4.124	ng	
90) Benzo(a)pyrene	15.286	252	302836	10.069	ng	# 97
92) Benzo(g,h,i)perylene	17.162	276	140124	5.688	ng	98

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

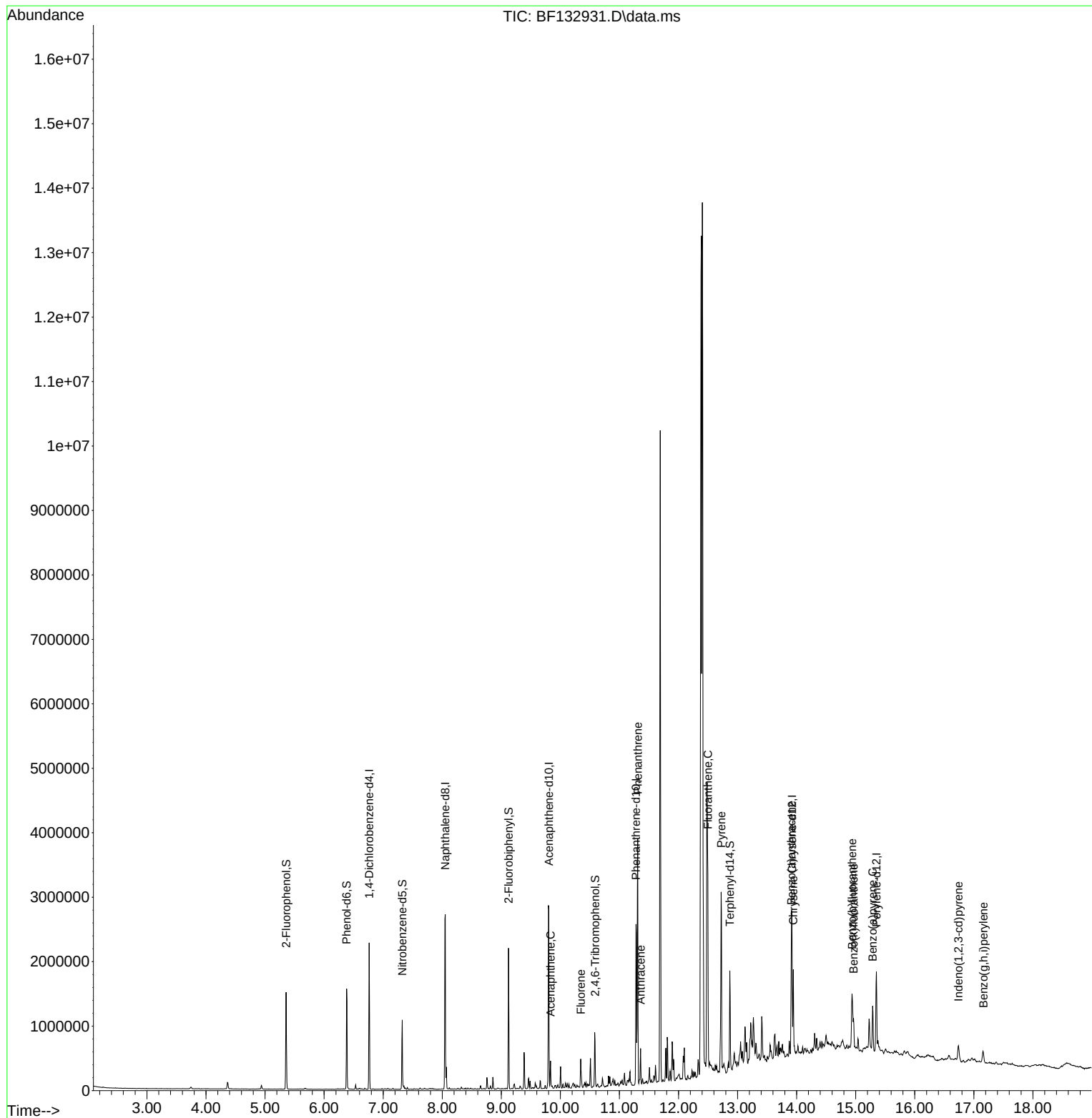
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Data File : BF132931.D
Acq On : 20 Apr 2023 01:19
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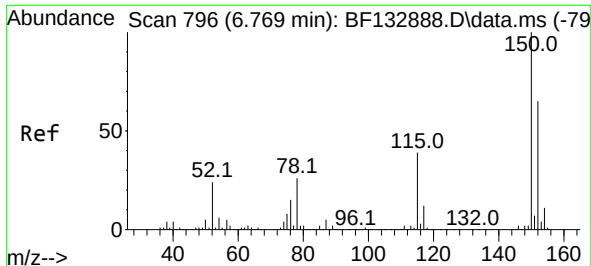
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Quant Time: Apr 20 04:22:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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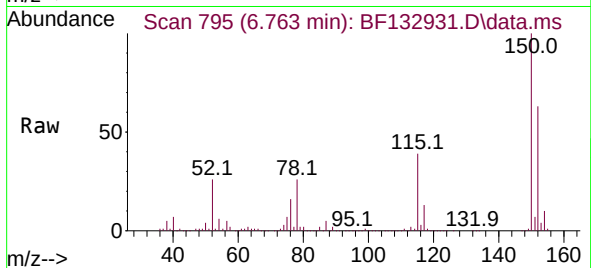
Reviewed By : Christian Giraldo 04/20/2023
Supervised By : Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

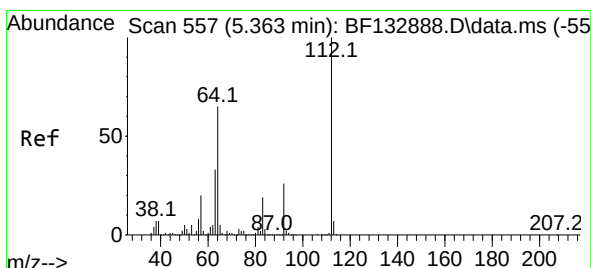
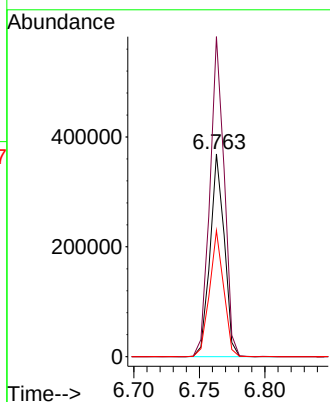
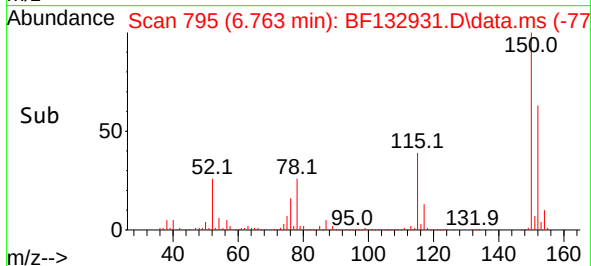
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP



Tgt Ion:152 Resp: 279732
Ion Ratio Lower Upper
152 100
150 158.0 122.8 184.2
115 62.2 47.3 70.9

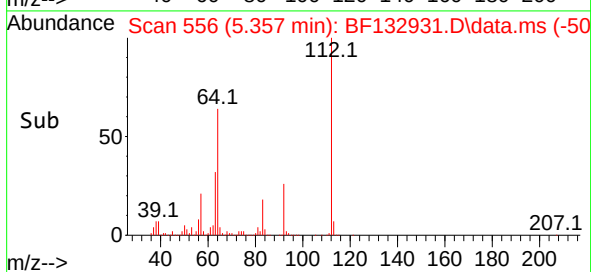
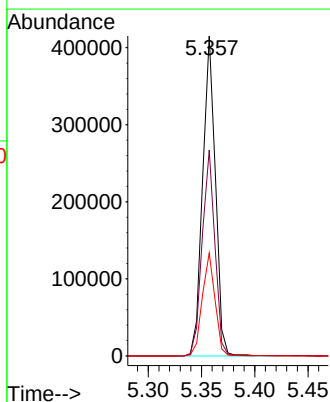
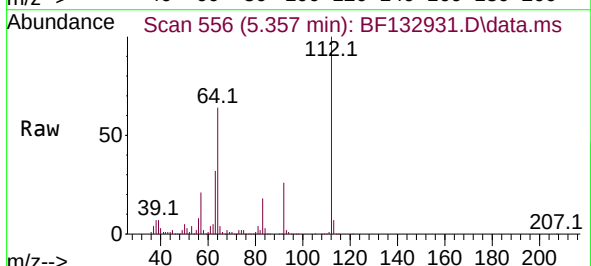
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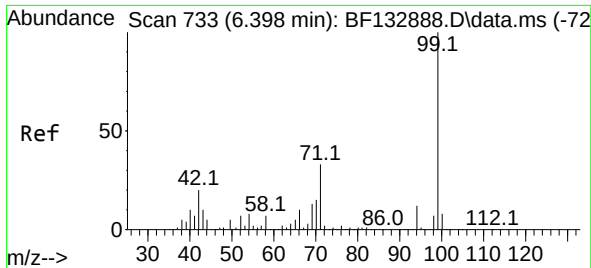
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#5
2-Fluorophenol
Concen: 19.250 ng
RT: 5.357 min Scan# 556
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:112 Resp: 344364
Ion Ratio Lower Upper
112 100
64 64.3 51.8 77.8
63 32.2 26.3 39.5





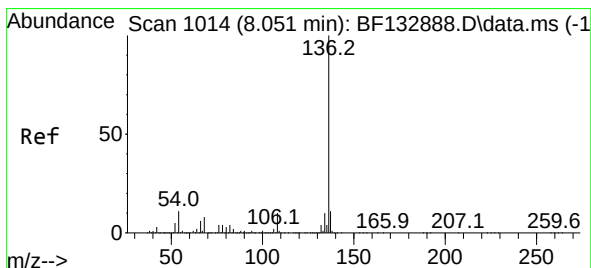
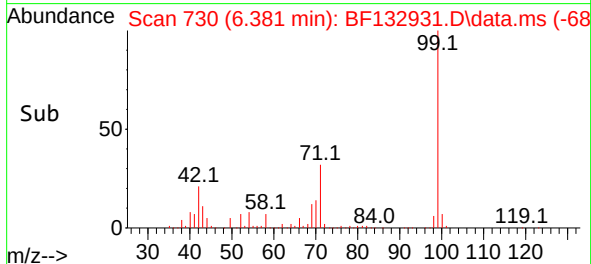
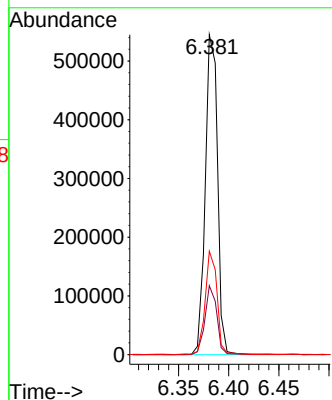
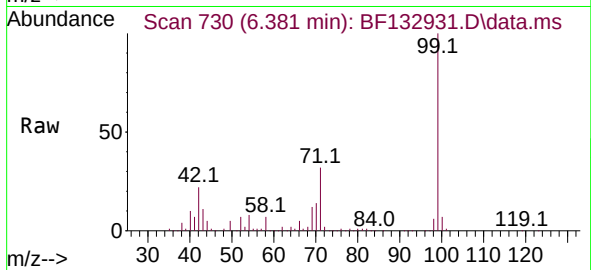
#7
Phenol-d6
Concen: 20.215 ng
RT: 6.381 min Scan# 733
Delta R.T. -0.018 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tgt Ion: 99 Resp: 461469
Ion Ratio Lower Upper
99 100
42 21.5 16.1 24.1
71 32.3 26.1 39.1

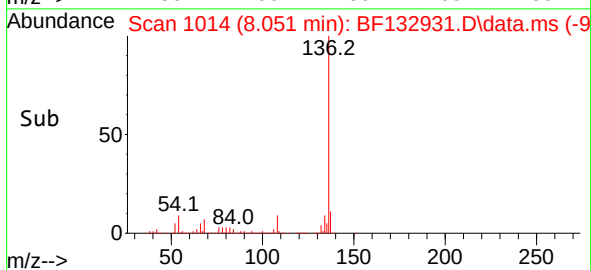
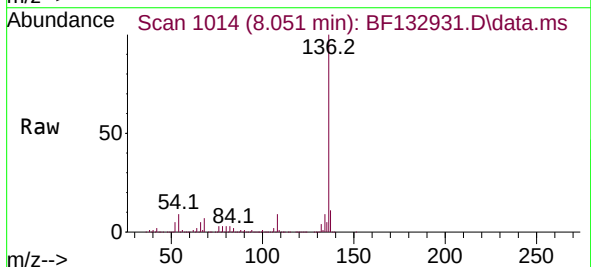
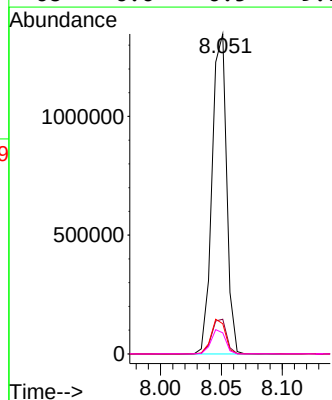
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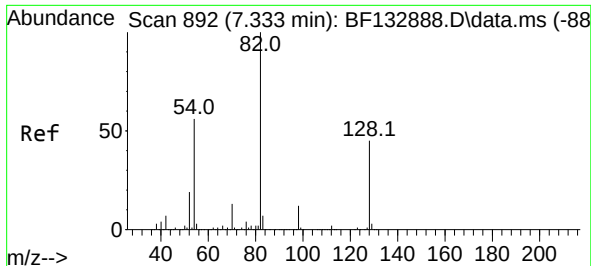
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:136 Resp: 1122200
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.4 8.9 13.3
68 6.6 6.5 9.7





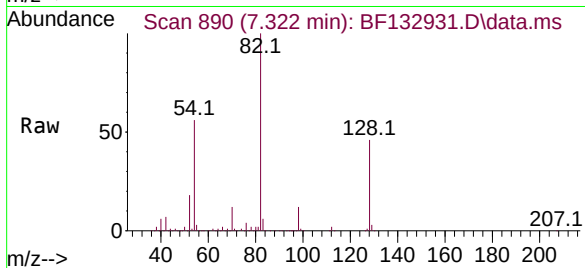
#23
Nitrobenzene-d5
Concen: 12.509 ng
RT: 7.322 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

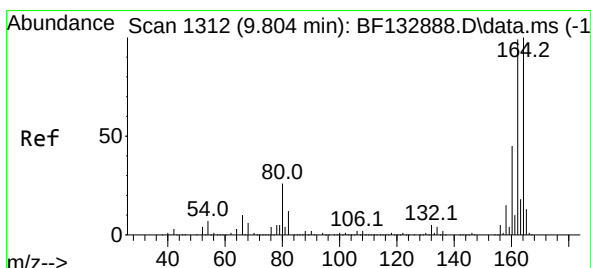
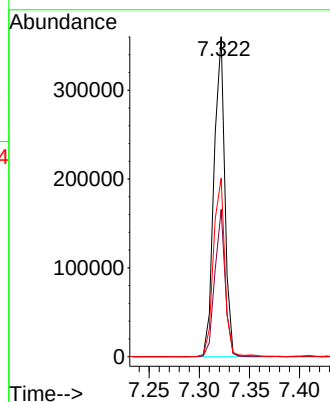
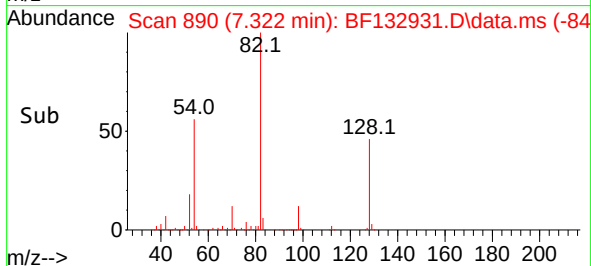


Tgt Ion: 82 Resp: 269314
Ion Ratio Lower Upper
82 100
128 46.0 35.7 53.5
54 55.7 44.7 67.1

Manual Integrations

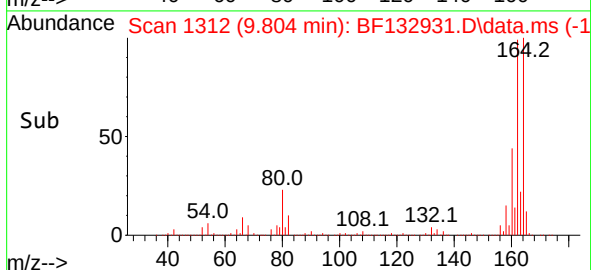
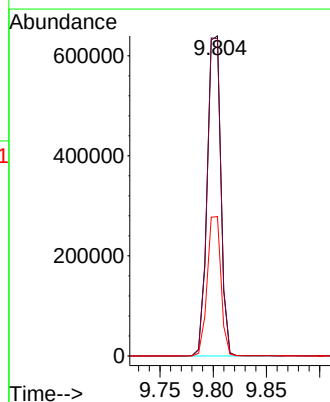
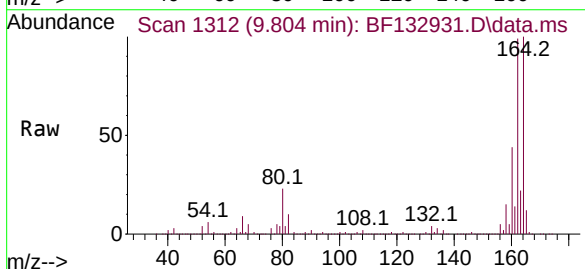
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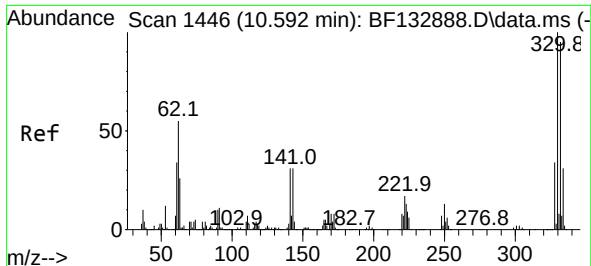
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.000 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:164 Resp: 568070
Ion Ratio Lower Upper
164 100
162 99.1 79.1 118.7
160 43.5 35.6 53.4





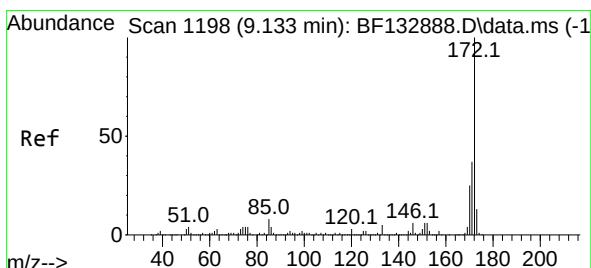
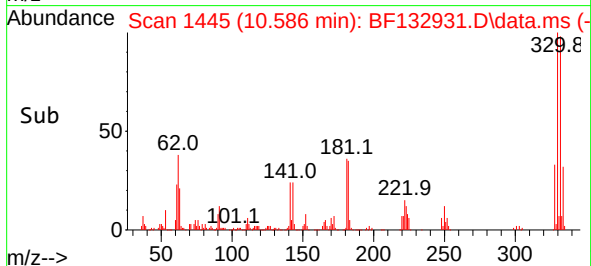
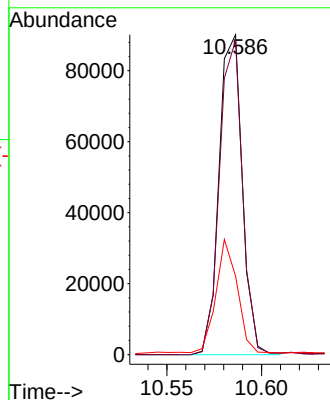
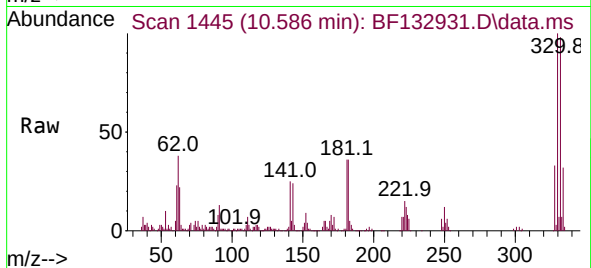
#42
2,4,6-Tribromophenol
Concen: 13.471 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tgt Ion: 330 Resp: 76752
Ion Ratio Lower Upper
330 100
332 97.7 76.3 114.5
141 34.1 23.9 35.9

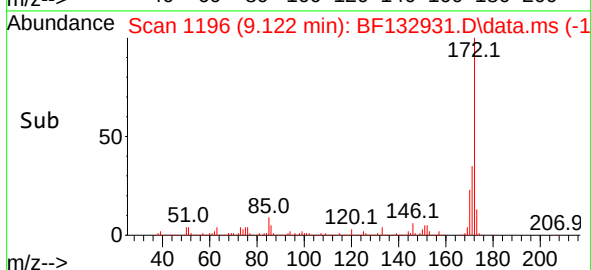
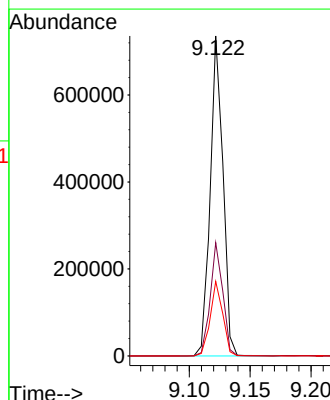
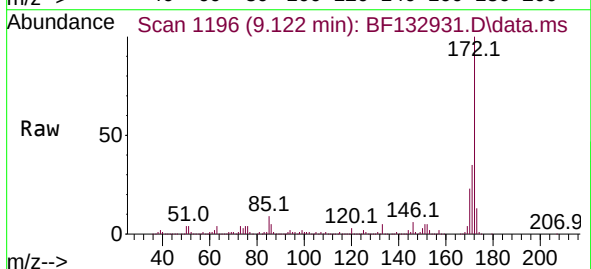
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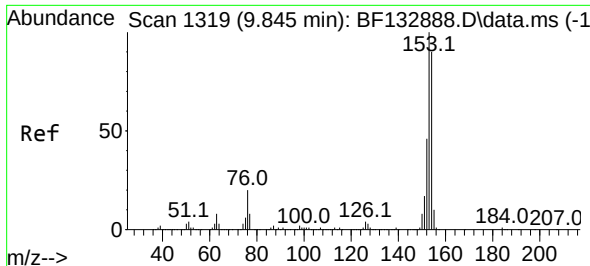
Reviewed By : Christian Giraldo 04/20/2023
Supervised By : Jagrut Upadhyay 04/24/2023



#45
2-Fluorobiphenyl
Concen: 14.546 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion: 172 Resp: 537879
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.3 20.1 30.1





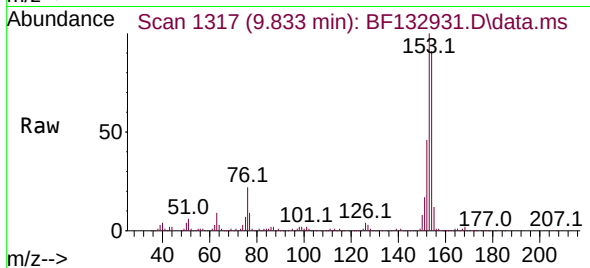
#52
Acenaphthene
Concen: 2.136 ng
RT: 9.833 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

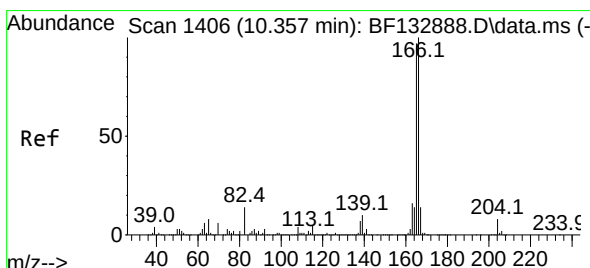
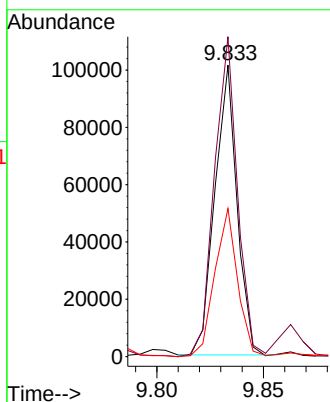
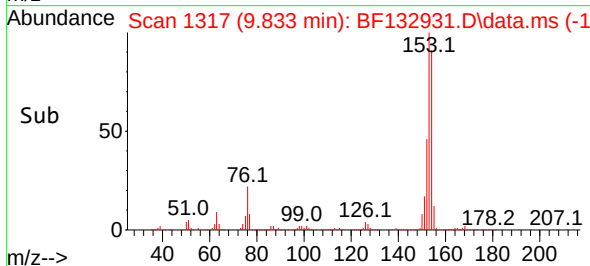


Tgt Ion:154 Resp: 73153
Ion Ratio Lower Upper
154 100
153 109.8 88.8 133.2
152 50.8 41.2 61.8

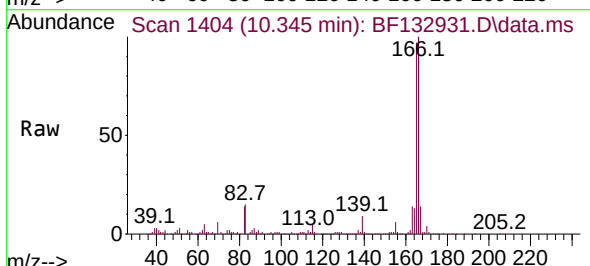
Manual Integrations

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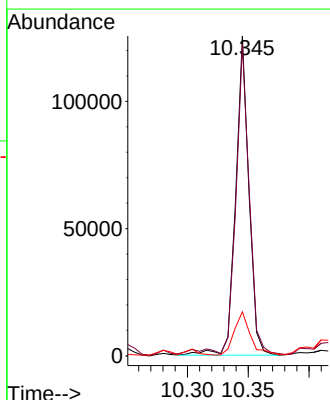
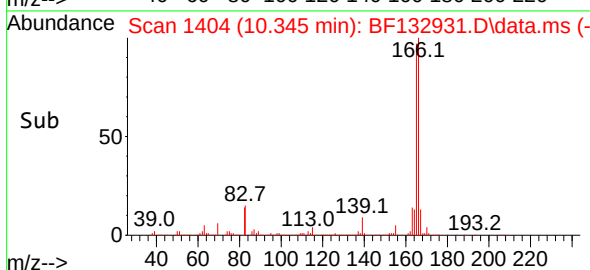
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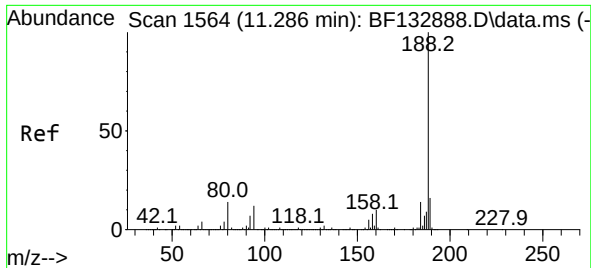


#58
Fluorene
Concen: 2.662 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19



Tgt Ion:166 Resp: 94770
Ion Ratio Lower Upper
166 100
165 97.3 78.0 117.0
167 13.8 11.0 16.4





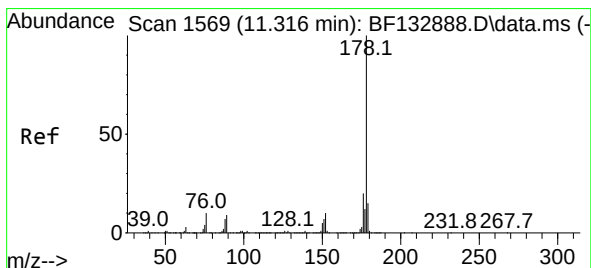
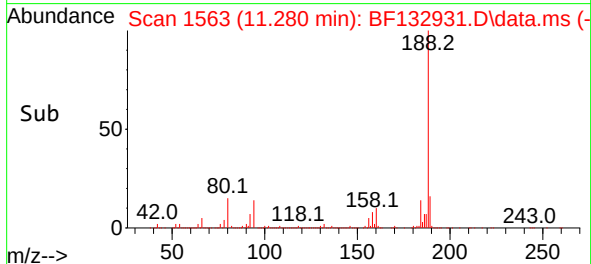
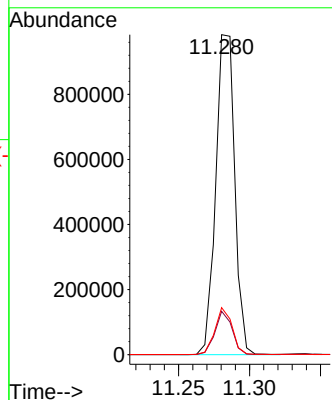
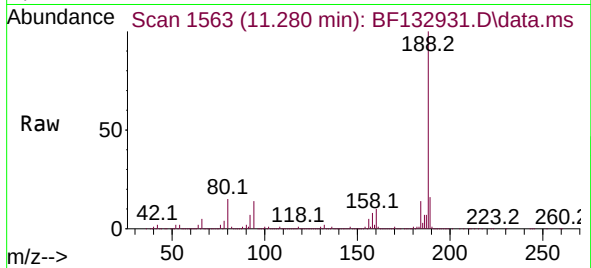
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:188 Resp: 918149
Ion Ratio Lower Upper
188 100
94 13.5 9.9 14.9
80 14.7 10.8 16.2

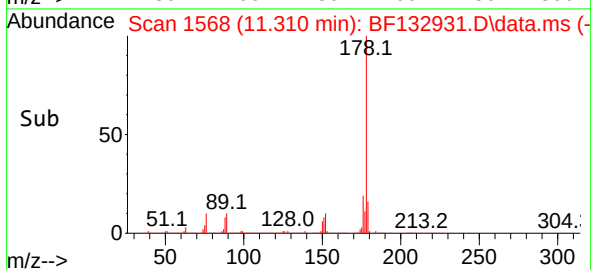
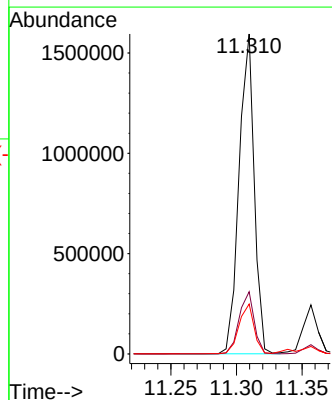
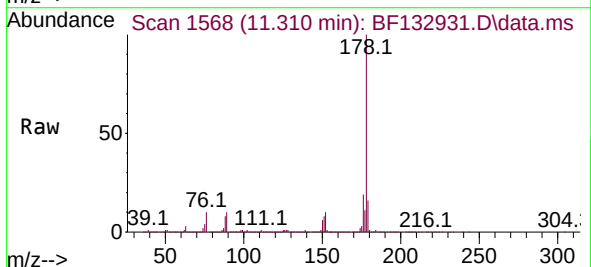
Manual Integrations
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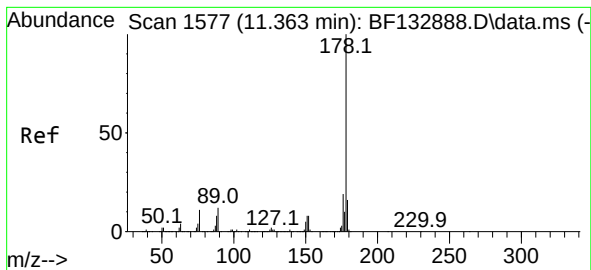
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#71
Phenanthrene
Concen: 25.915 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:178 Resp: 1279868
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.6 12.3 18.5





#72

Anthracene

Concen: 3.612 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

Tgt Ion:178 Resp: 182624

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

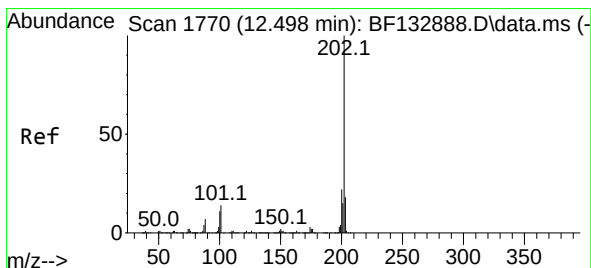
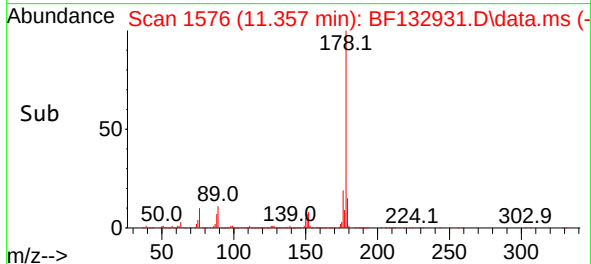
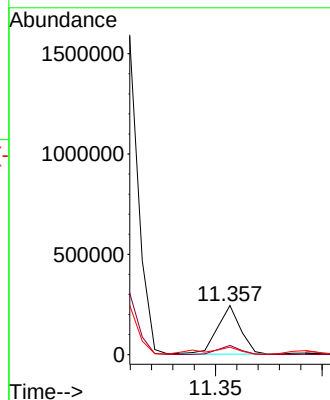
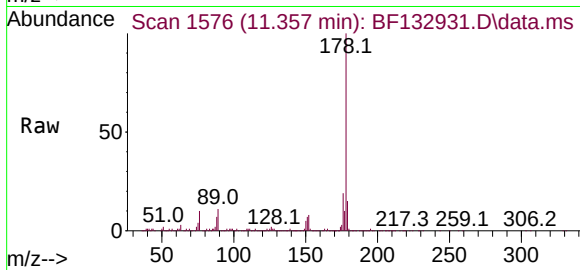
179 15.3 12.8 19.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/20/2023

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#75

Fluoranthene

Concen: 23.170 ng

RT: 12.498 min Scan# 1770

Delta R.T. 0.000 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

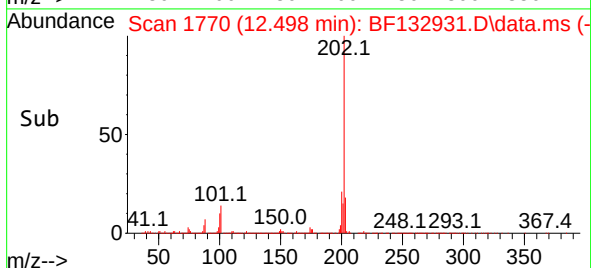
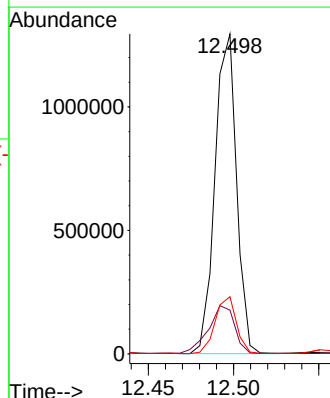
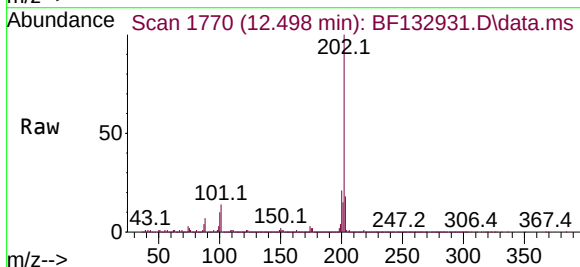
Tgt Ion:202 Resp: 1137916

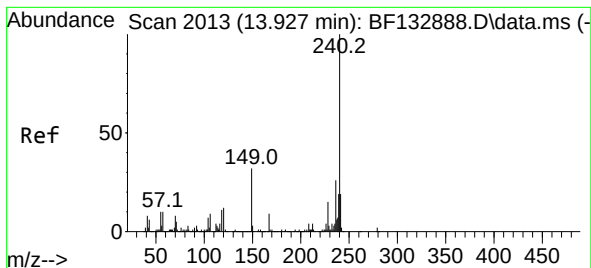
Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.5

203 17.9 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

Tgt Ion:240 Resp: 597680

Ion Ratio Lower Upper

240 100

120 12.7 10.0 15.0

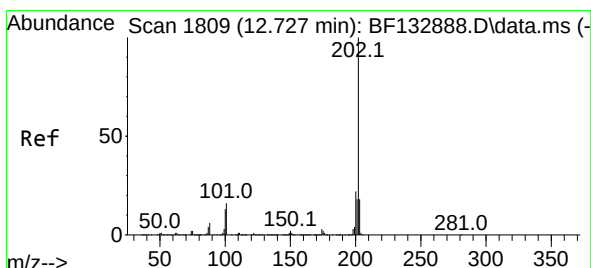
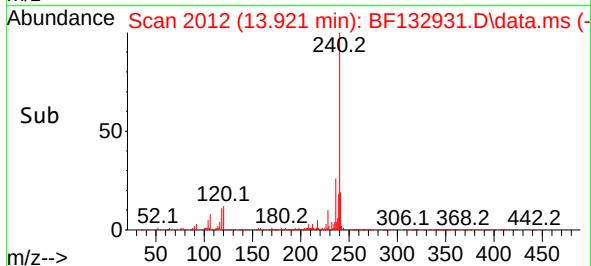
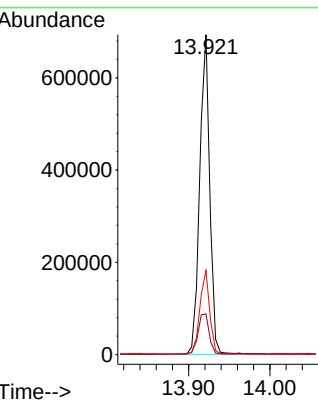
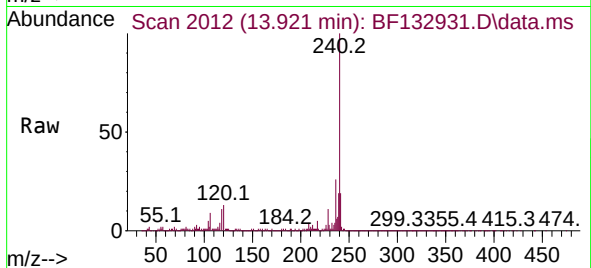
236 26.3 20.8 31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#78

Pyrene

Concen: 22.432 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

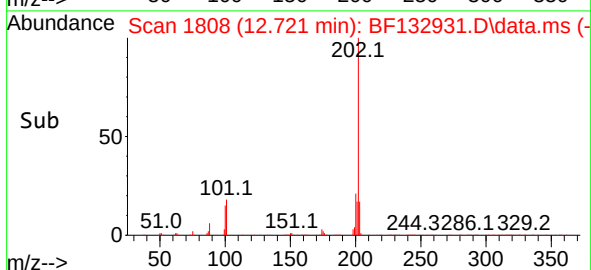
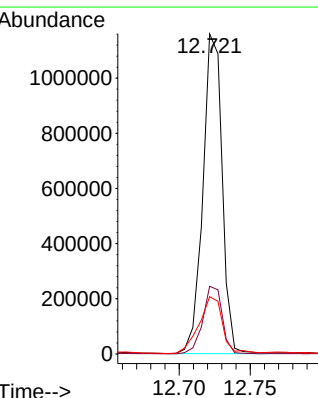
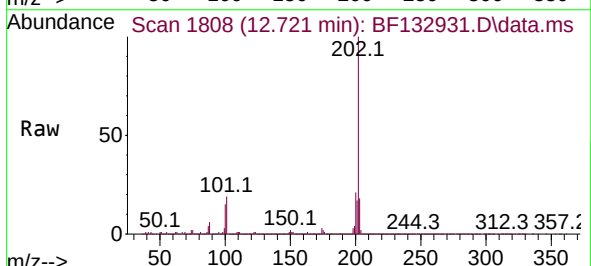
Tgt Ion:202 Resp: 1096293

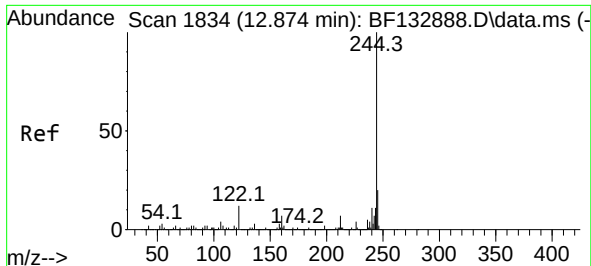
Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

203 17.9 14.6 22.0





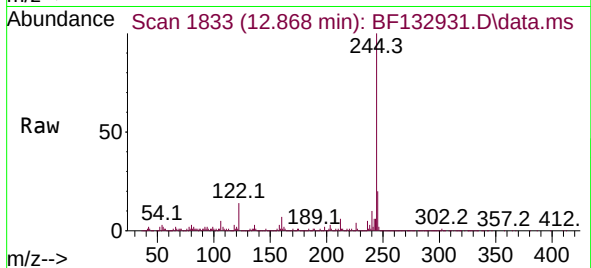
#79
 Terphenyl-d14
 Concen: 13.667 ng
 RT: 12.868 min Scan# 1834
 Delta R.T. -0.006 min
 Lab File: BF132931.D
 Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

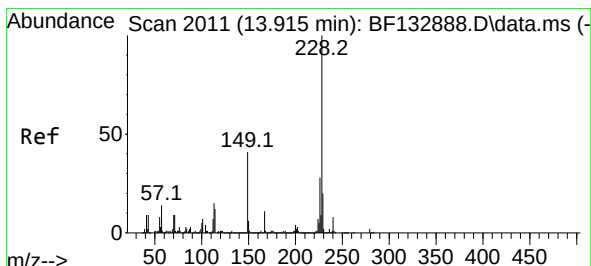
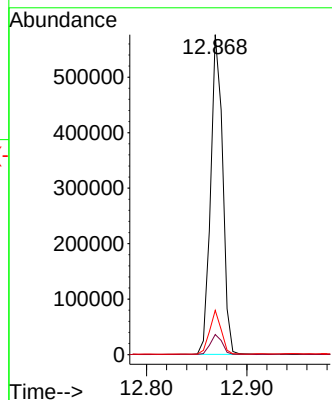
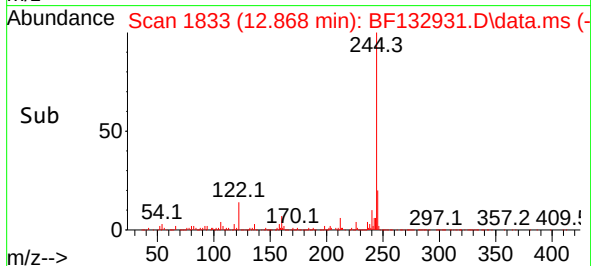


Tgt Ion:244 Resp: 478781
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 13.8 9.6 14.4

Manual Integrations

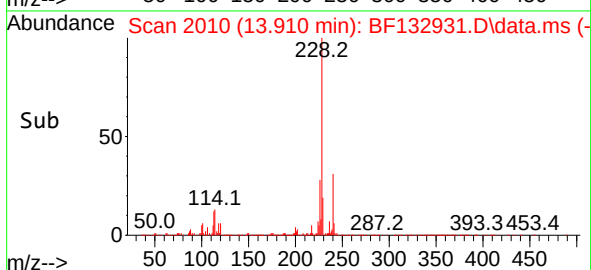
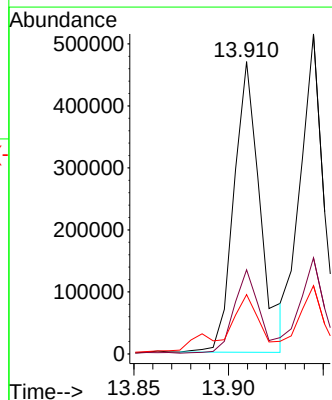
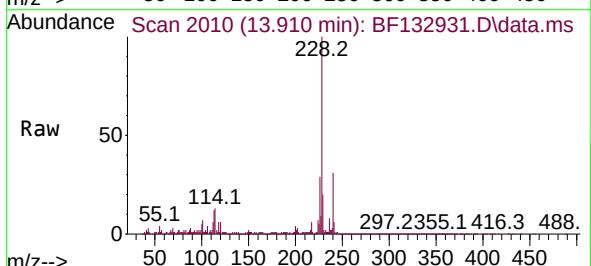
APPROVED

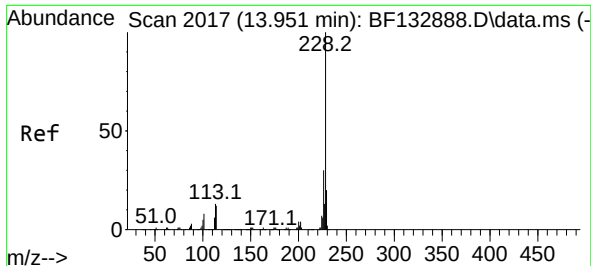
Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#81
 Benzo(a)anthracene
 Concen: 11.109 ng
 RT: 13.910 min Scan# 2010
 Delta R.T. -0.006 min
 Lab File: BF132931.D
 Acq: 20 Apr 2023 01:19

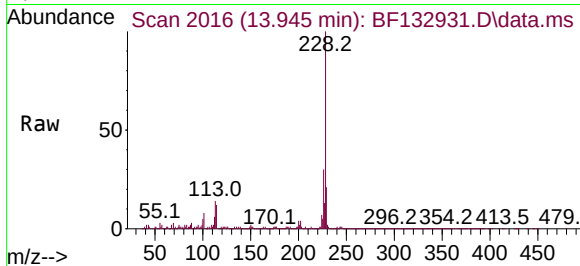
Tgt Ion:228 Resp: 451543
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.4 33.6
 229 20.3 16.2 24.2





#83
Chrysene
Concen: 10.729 ng
RT: 13.945 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

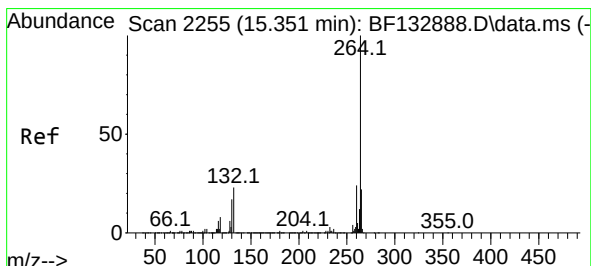
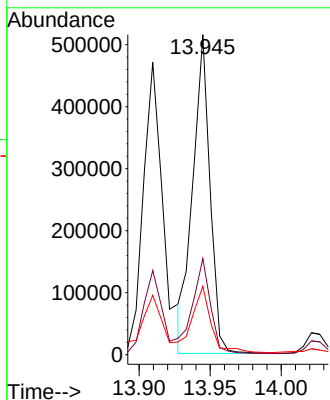
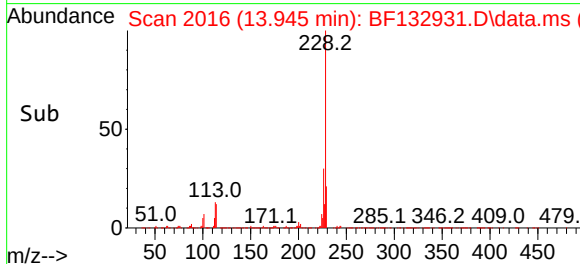
Instrument :
BNA_F
ClientSampleId :
SB-22-COMP



Tgt Ion:228 Resp: 433469
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.3 16.2 24.4

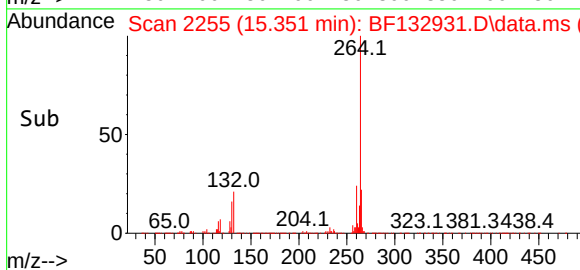
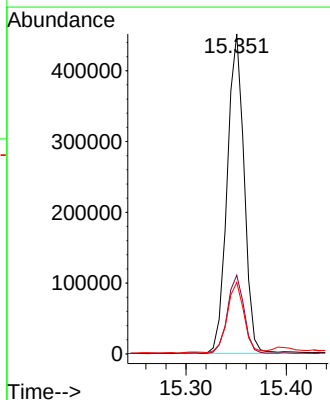
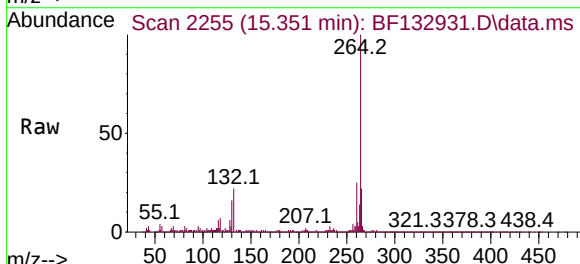
Manual Integrations
APPROVED

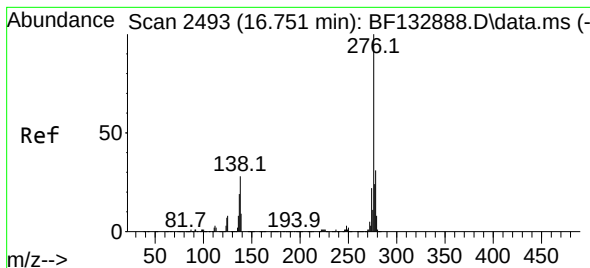
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Tgt Ion:264 Resp: 528497
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 22.4 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.952 ng

RT: 16.739 min Scan# 2493

Delta R.T. -0.012 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP

Tgt Ion: 276 Resp: 149544

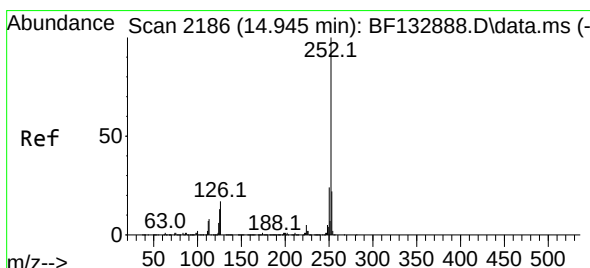
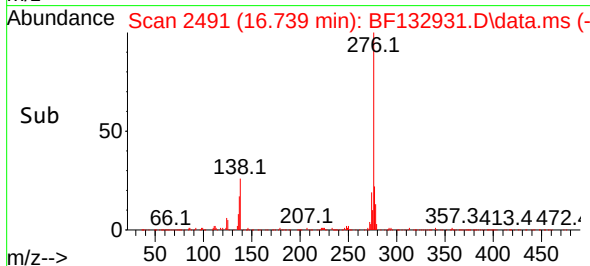
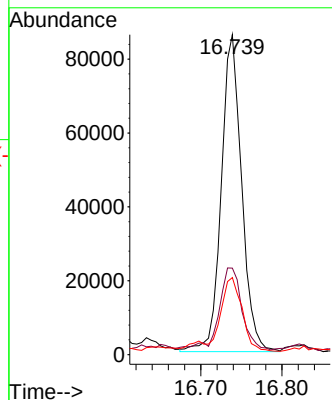
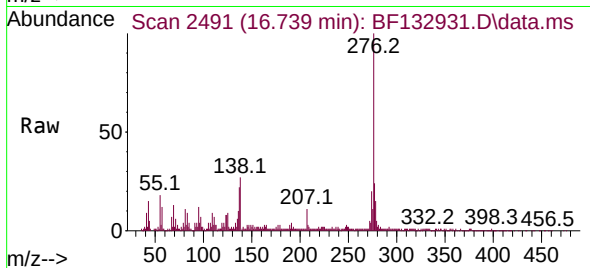
Ion	Ratio	Lower	Upper
276	100		
138	29.6	25.5	38.3
277	24.4	20.3	30.5

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 04/20/2023

Supervised By : Jagrut Upadhyay 04/24/2023



#88

Benzo(b)fluoranthene

Concen: 13.483 ng m

RT: 14.939 min Scan# 2185

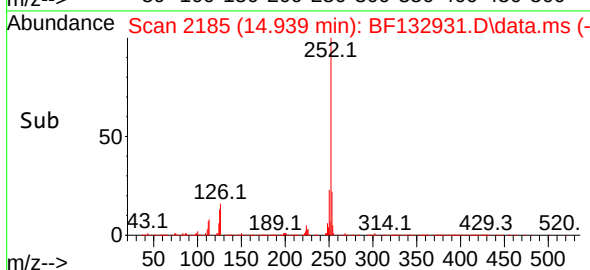
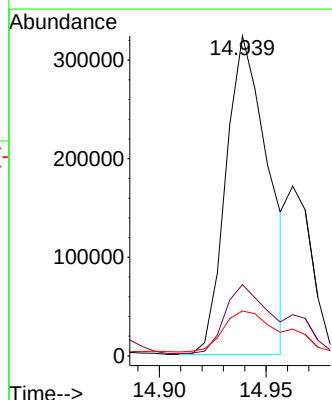
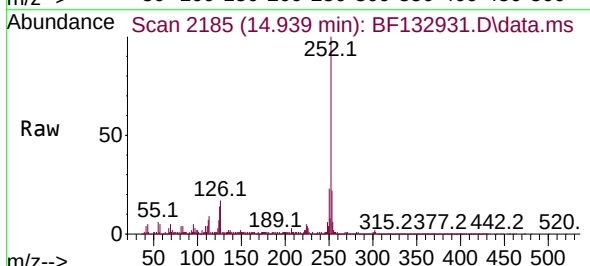
Delta R.T. -0.006 min

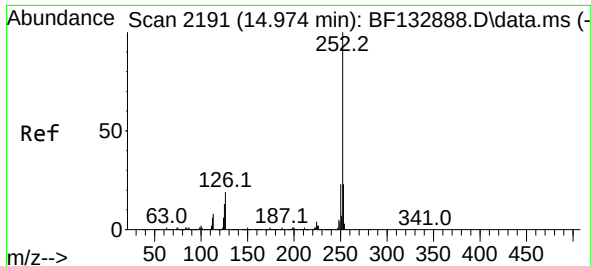
Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Tgt Ion: 252 Resp: 443872

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	14.0	10.0	15.0





#89

Benzo(k)fluoranthene

Concen: 4.124 ng m

RT: 14.962 min Scan# 2191

Delta R.T. -0.012 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

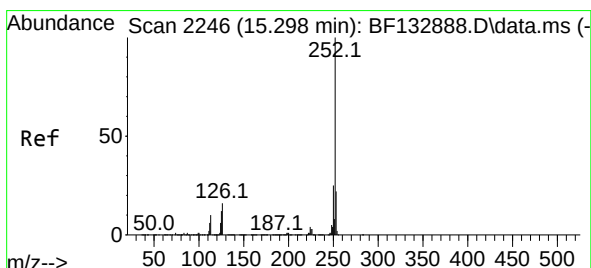
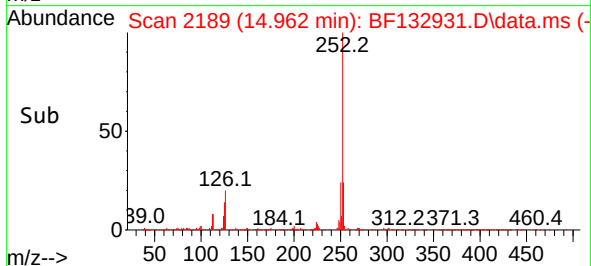
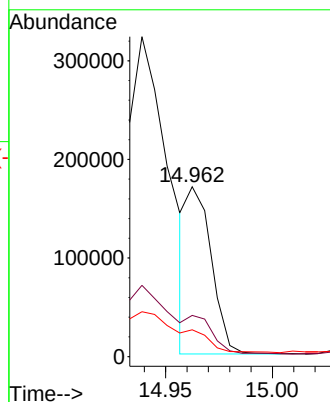
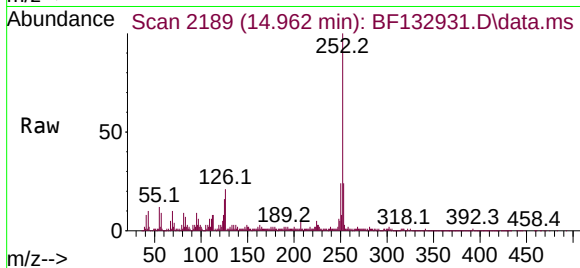
SB-22-COMP

Tgt Ion:	252	Resp:	135253
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	15.8	10.0	15.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#90

Benzo(a)pyrene

Concen: 10.069 ng

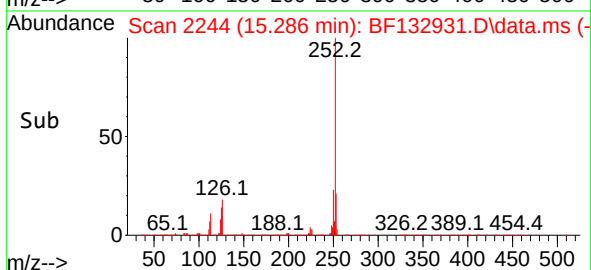
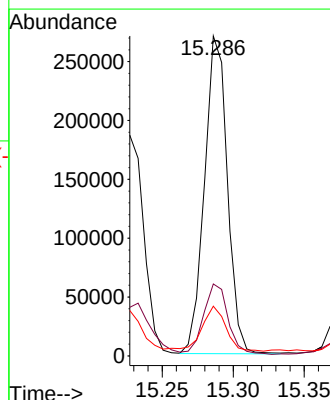
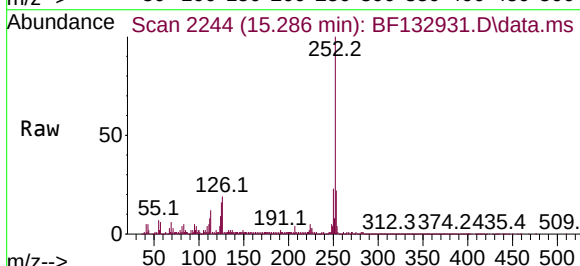
RT: 15.286 min Scan# 2244

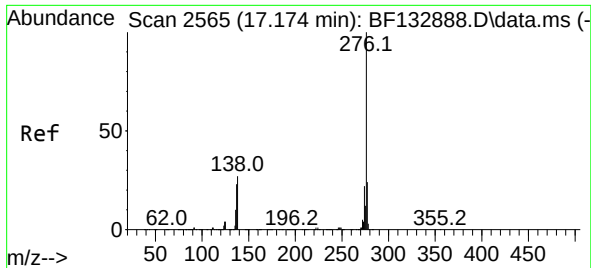
Delta R.T. -0.012 min

Lab File: BF132931.D

Acq: 20 Apr 2023 01:19

Tgt Ion:	252	Resp:	302836
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.7	26.5
125	15.5	9.9	14.9





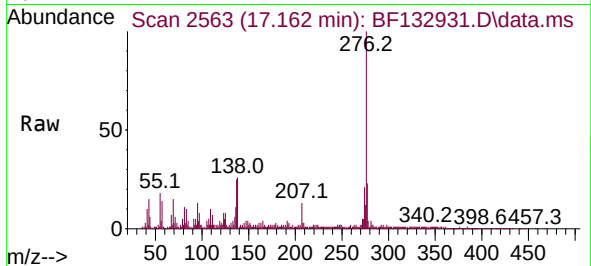
#92
Benzo(g,h,i)perylene
Concen: 5.688 ng
RT: 17.162 min Scan# 2563
Delta R.T. -0.012 min
Lab File: BF132931.D
Acq: 20 Apr 2023 01:19

Instrument :

BNA_F

ClientSampleId :

SB-22-COMP



Tgt Ion:276 Resp: 140124
Ion Ratio Lower Upper
276 100
277 23.2 18.9 28.3
138 25.7 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023

