

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
 Data File : BF133376.D
 Acq On : 12 May 2023 18:51
 Operator : CG\JU
 Sample : 02757-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/15/2023
 Supervised By : Yogesh Patel 05/16/2023

Quant Time: May 12 23:36:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	213813	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	819429	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	353065	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	540493	20.000	ng	0.00
76) Chrysene-d12	13.880	240	375684	20.000	ng	0.00
86) Perylene-d12	15.304	264	322844	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	777185	54.909	ng	0.00
7) Phenol-d6	6.363	99	935213	53.233	ng	0.00
23) Nitrobenzene-d5	7.281	82	536565	35.344	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	159891	45.030	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	980513	46.462	ng	0.00
79) Terphenyl-d14	12.827	244	907467	41.659	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	707474	24.354	ng	99
72) Anthracene	11.322	178	234567	7.890	ng	97
73) Carbazole	11.475	167	67833	2.562	ng	# 81
75) Fluoranthene	12.463	202	1667081	57.180	ng	97
78) Pyrene	12.686	202	1568613	48.707	ng	98
81) Benzo(a)anthracene	13.874	228	851753	32.969	ng	99
83) Chrysene	13.910	228	732700	28.368	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	294895	16.058	ng	92
88) Benzo(b)fluoranthene	14.898	252	771771m	37.576	ng	
89) Benzo(k)fluoranthene	14.921	252	246318m	12.098	ng	
90) Benzo(a)pyrene	15.245	252	517334	27.673	ng	98
91) Dibenzo(a,h)anthracene	16.692	278	68994	4.505	ng	93
92) Benzo(g,h,i)perylene	17.104	276	264430	17.487	ng	97

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

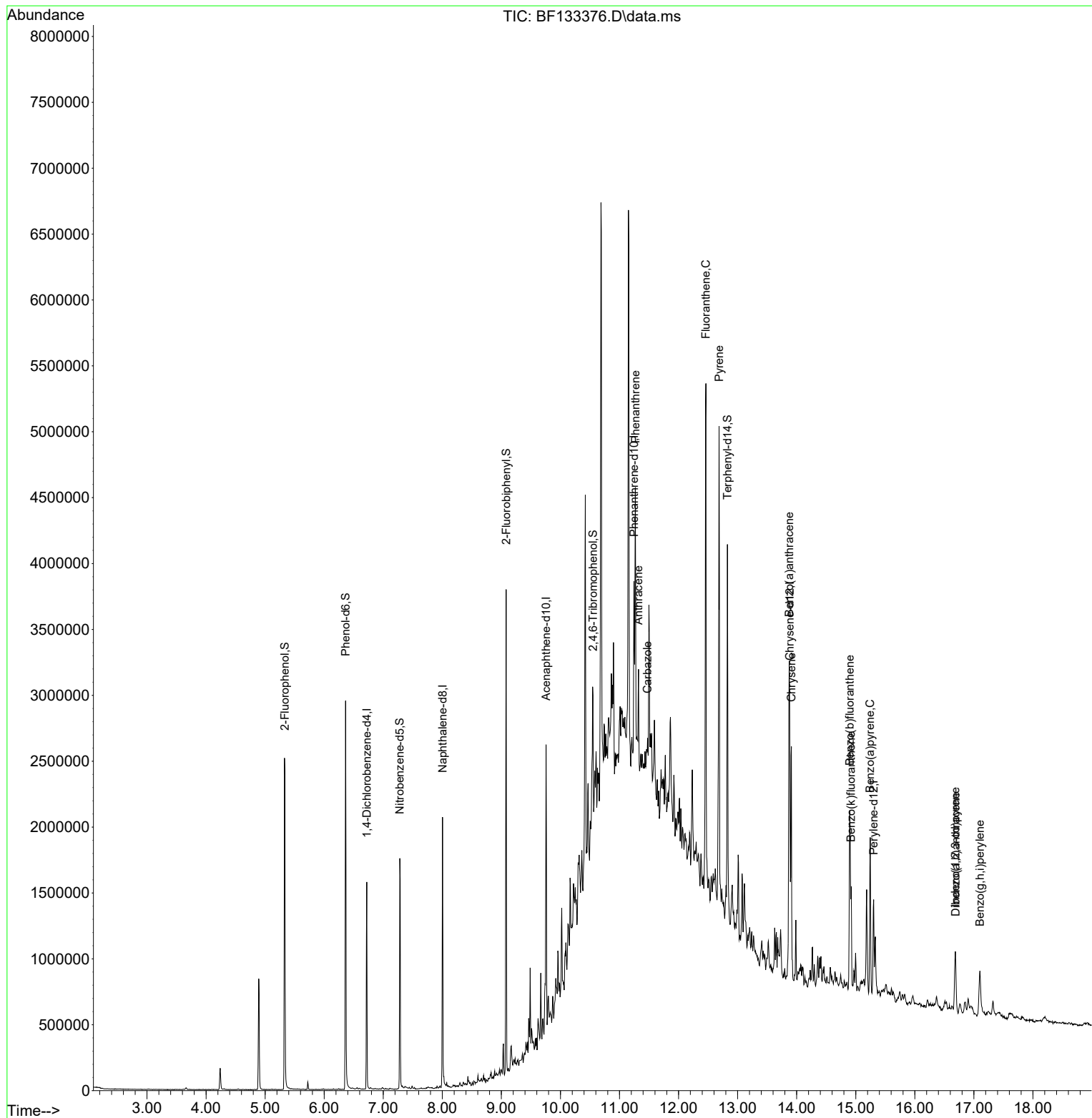
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051223\
Data File : BF133376.D
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ALS Vial : 12 Sample Multiplier: 1

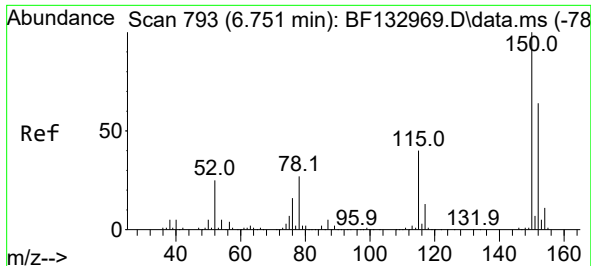
Instrument :
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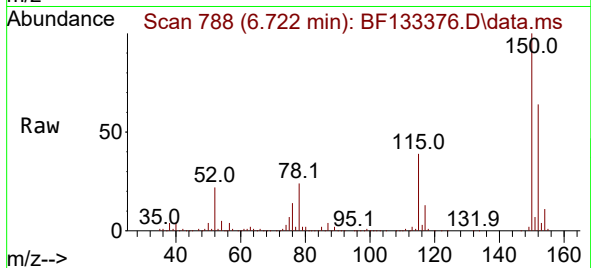
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

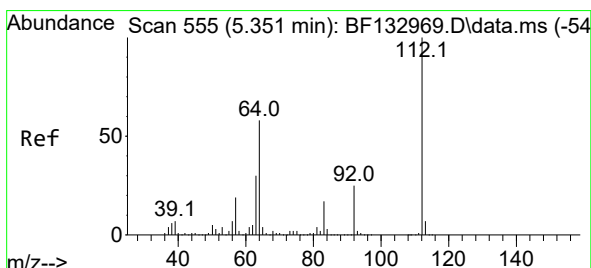
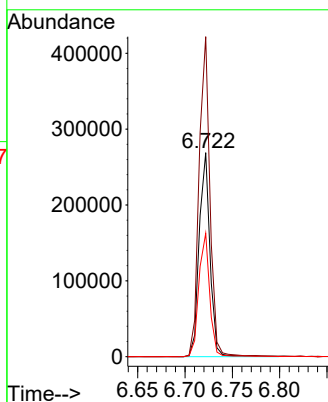
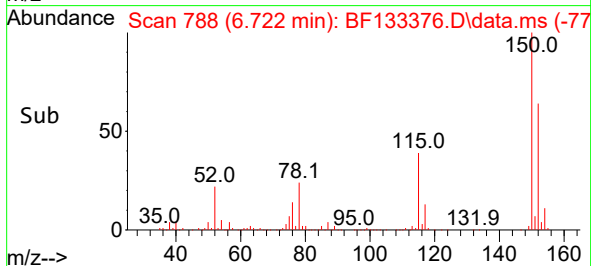
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:152 Resp: 21381
Ion Ratio Lower Upper
152 100
150 156.9 124.8 187.2
115 60.5 49.9 74.9

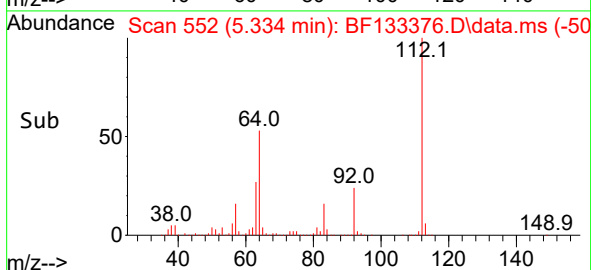
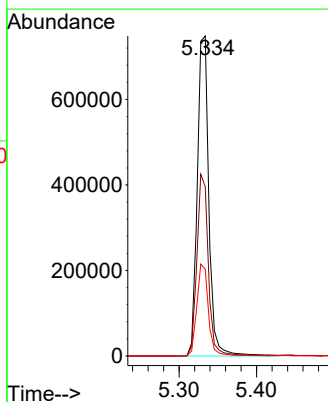
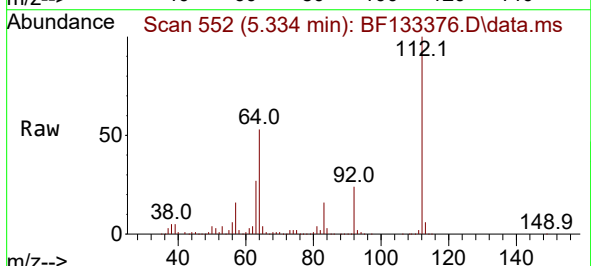
Manual Integrations
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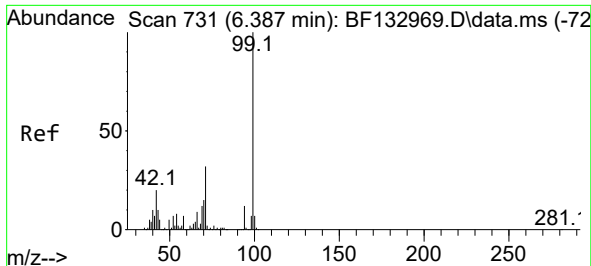
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#5
2-Fluorophenol
Concen: 54.909 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

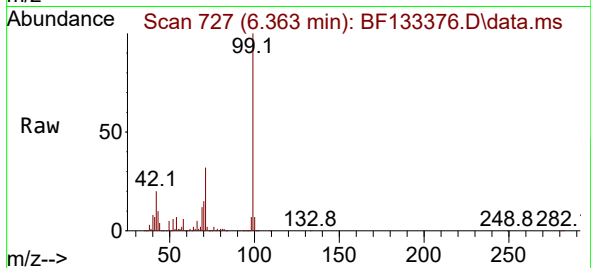
Tgt Ion:112 Resp: 777185
Ion Ratio Lower Upper
112 100
64 52.9 46.8 70.2
63 27.1 23.8 35.8





#7
Phenol-d6
Concen: 53.233 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

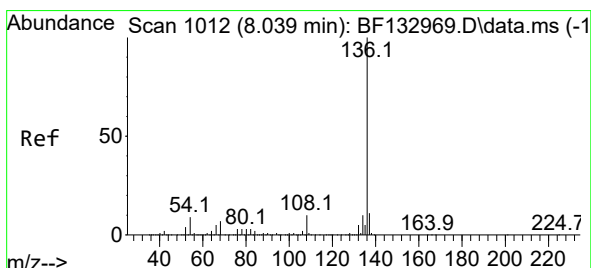
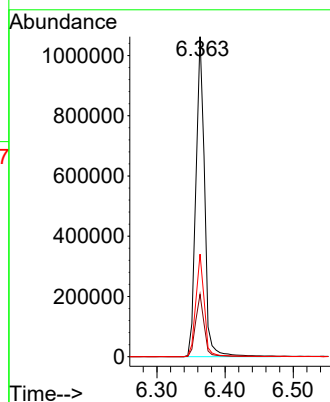
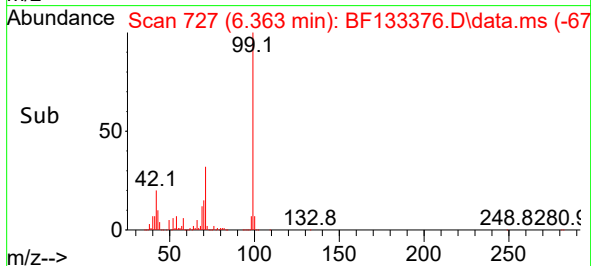
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 93521
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 32.0 25.6 38.4

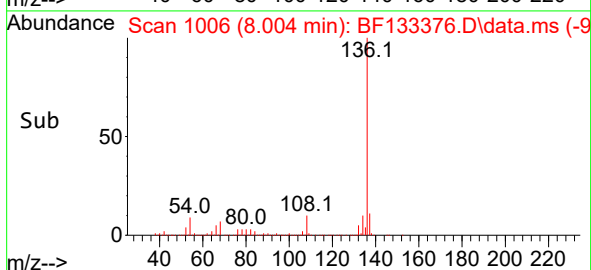
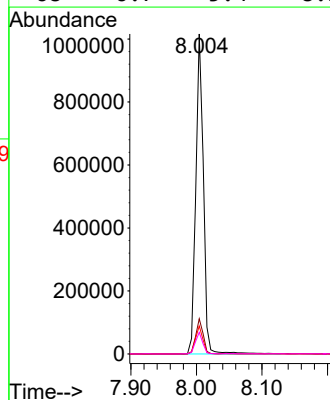
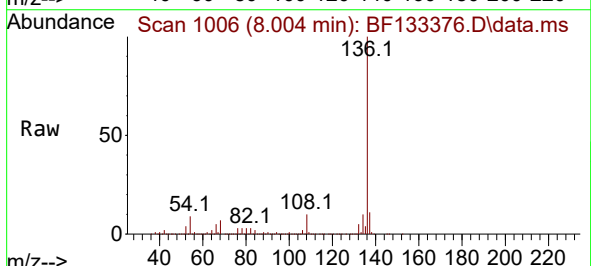
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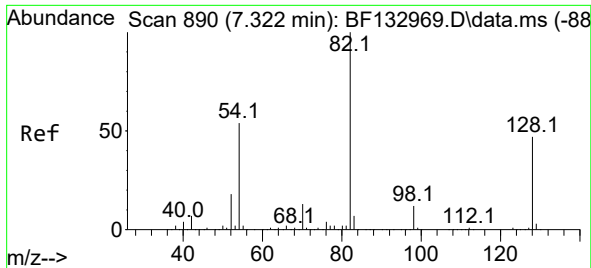
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion:136 Resp: 819429
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 7.0 10.4
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 35.344 ng

RT: 7.281 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion: 82 Resp: 53656

Ion Ratio Lower Upper

82 100

128 46.3 37.7 56.5

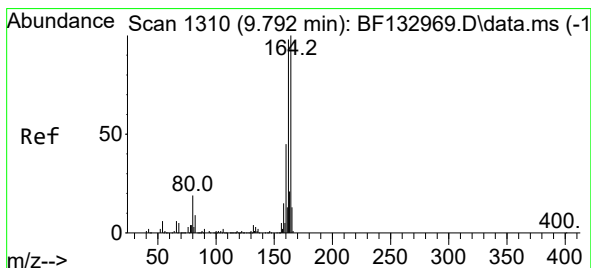
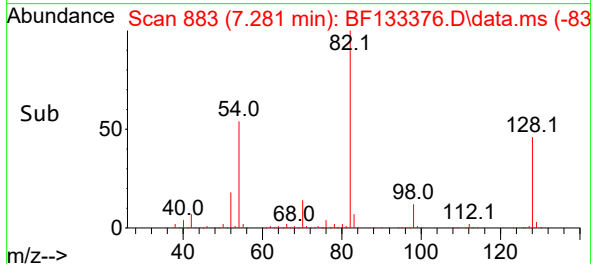
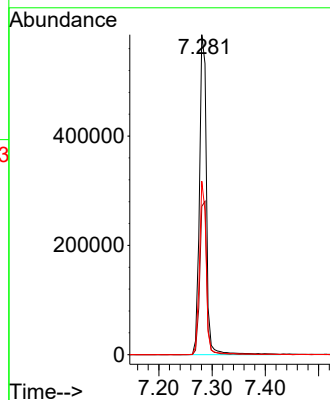
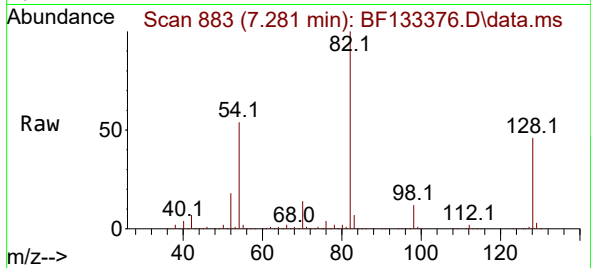
54 54.2 43.0 64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.000 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

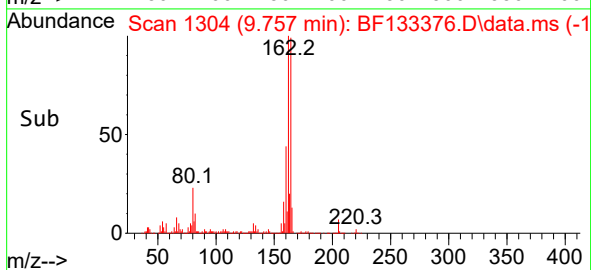
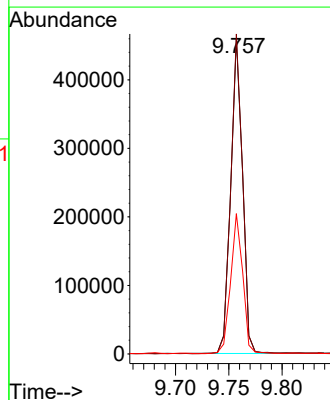
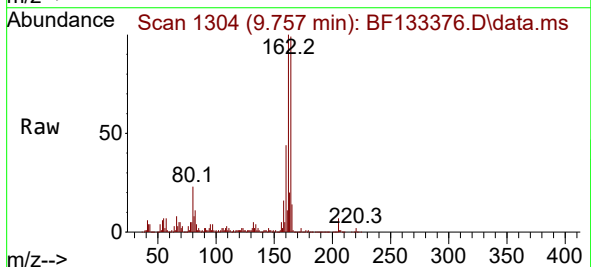
Tgt Ion:164 Resp: 353065

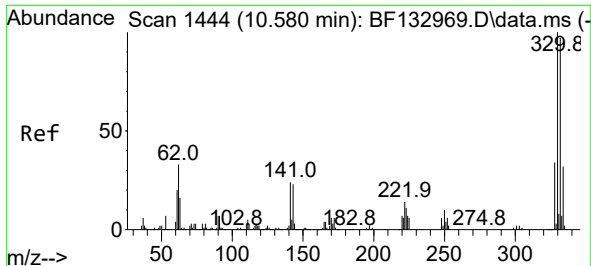
Ion Ratio Lower Upper

164 100

162 101.4 78.7 118.1

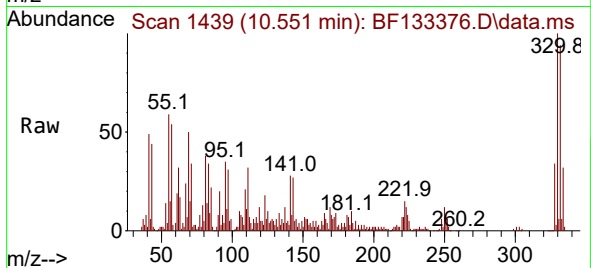
160 44.5 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 45.030 ng
RT: 10.551 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

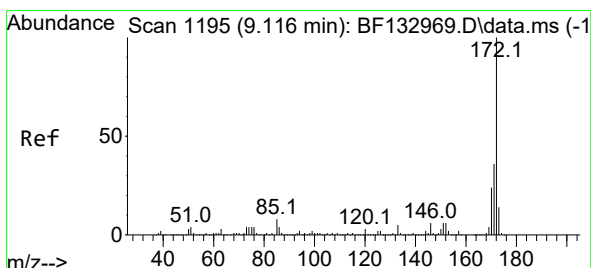
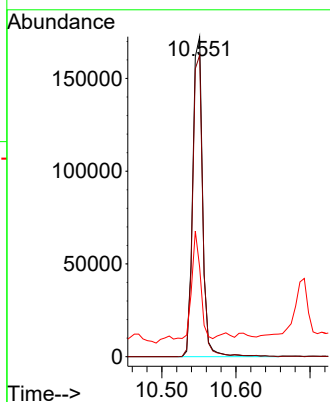
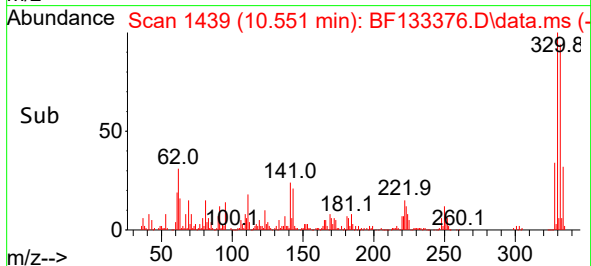
Instrument :
BNA_F
Client Sample Id :
WC-1



Tgt Ion: 330 Resp: 15989
Ion Ratio Lower Upper
330 100
332 94.6 77.1 115.7
141 29.2 25.8 38.8

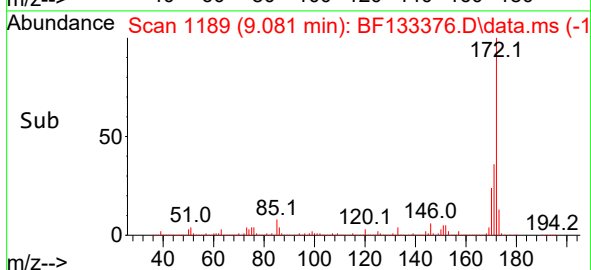
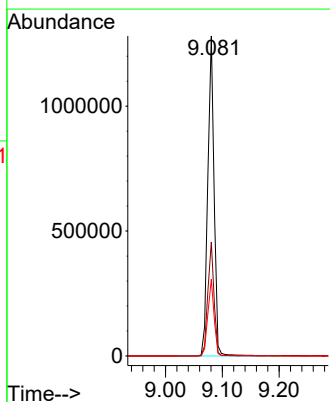
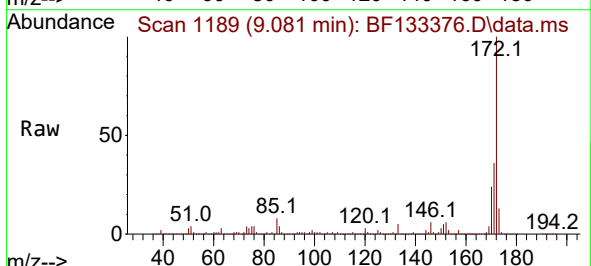
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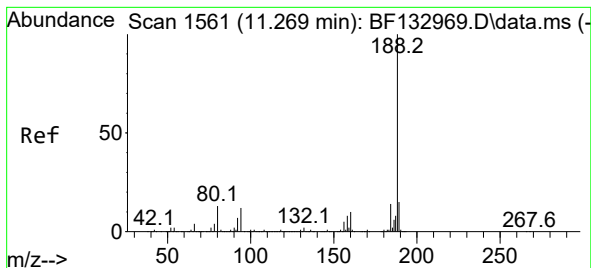
Reviewed By : Christian Giraldo 05/15/2023
Supervised By : Yogesh Patel 05/16/2023



#45
2-Fluorobiphenyl
Concen: 46.462 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion: 172 Resp: 980513
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 24.0 19.4 29.2





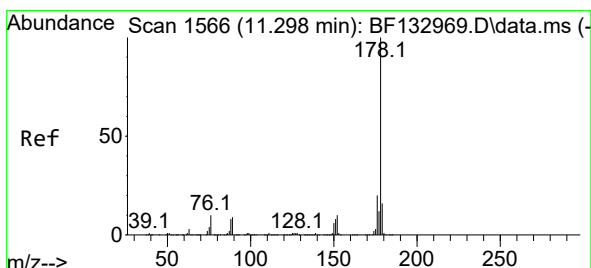
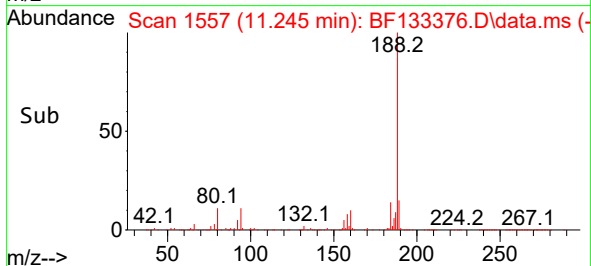
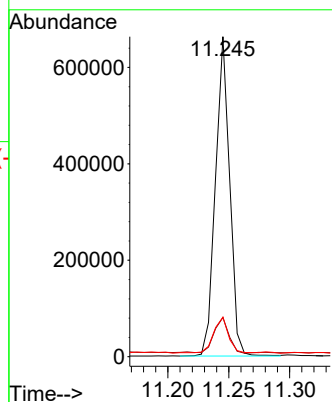
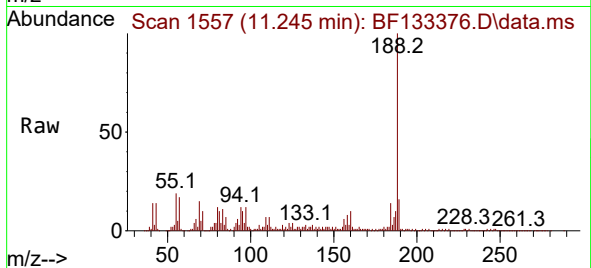
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:188 Resp: 54049
Ion Ratio Lower Upper
188 100
94 12.3 9.7 14.5
80 12.3 10.4 15.6

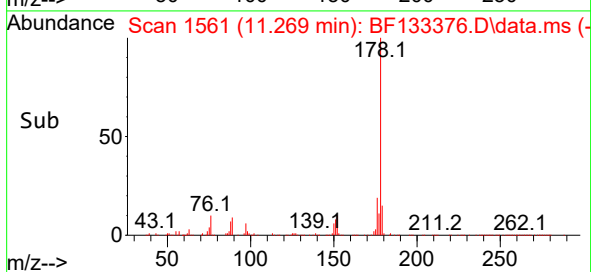
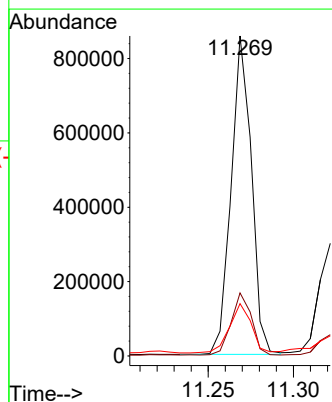
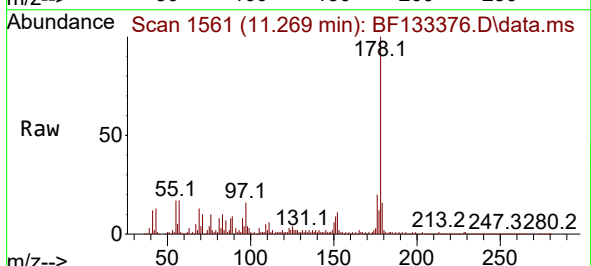
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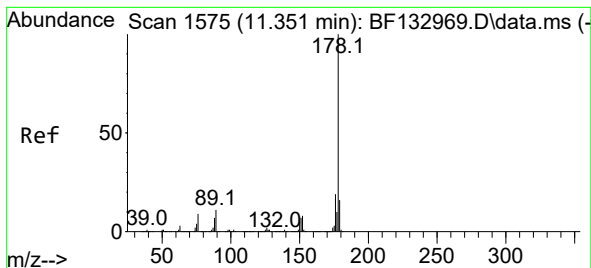
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#71
Phenanthrene
Concen: 24.354 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion:178 Resp: 707474
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 16.4 12.5 18.7





#72

Anthracene

Concen: 7.890 ng

RT: 11.322 min Scan# 1570

Delta R.T. 0.006 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

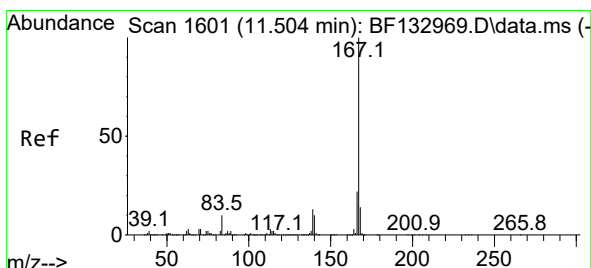
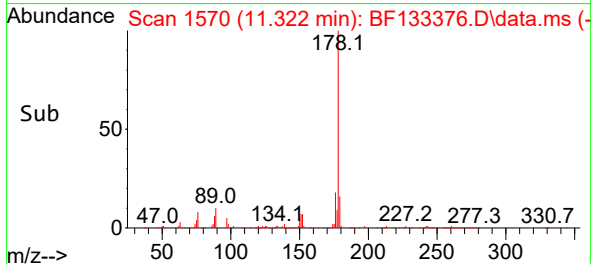
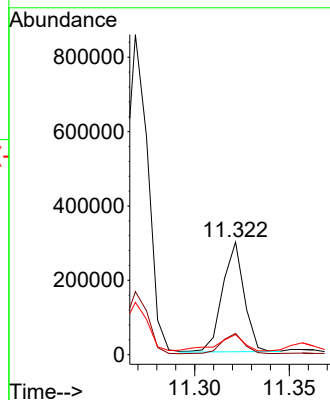
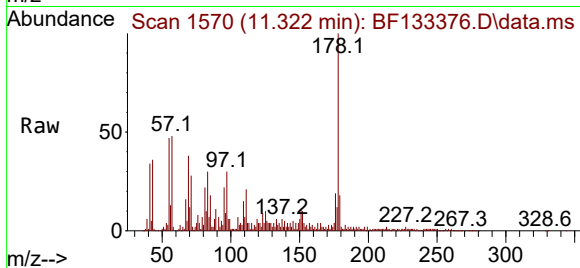
WC-1

Tgt Ion:178 Resp: 23456
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.0
 179 17.9 12.4 18.6

Manual Integrations

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Reviewed By :Christian Giraldo 05/15/2023
 Supervised By :Yogesh Patel 05/16/2023



#73

Carbazole

Concen: 2.562 ng

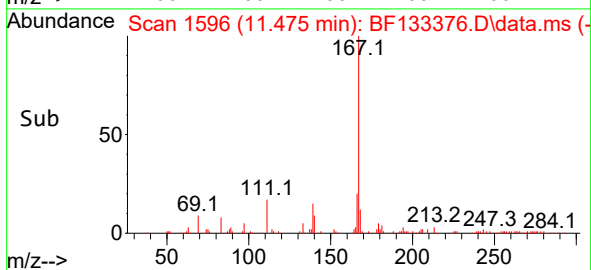
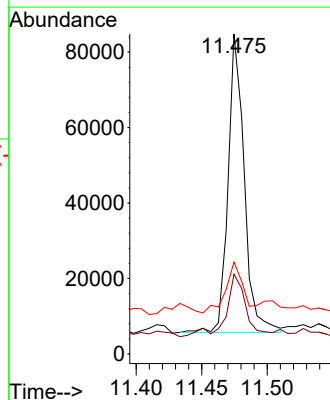
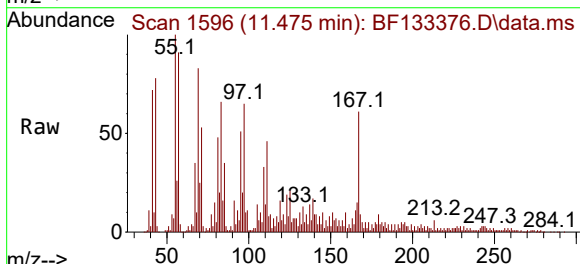
RT: 11.475 min Scan# 1596

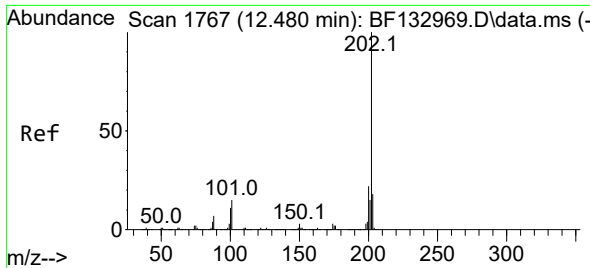
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Lab File: BF133376.D

Acq: 12 May 2023 18:51

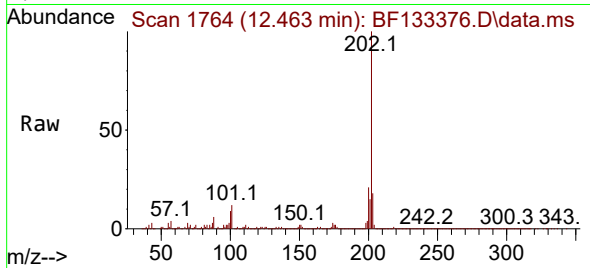
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 Ion Ratio Lower Upper
 167 100
 166 24.9 17.4 26.0
 139 28.7 10.6 16.0#





#75
Fluoranthene
Concen: 57.180 ng
RT: 12.463 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

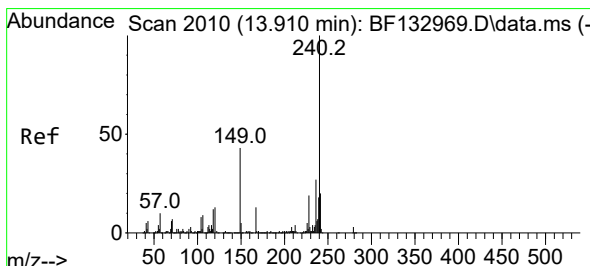
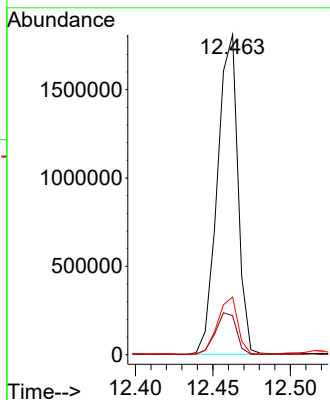
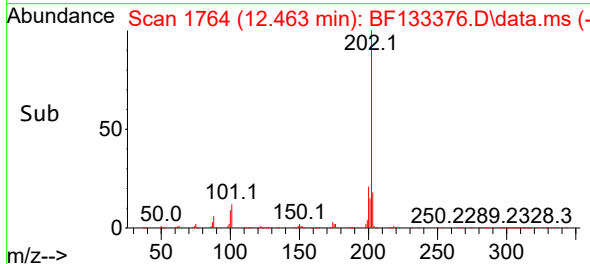
Instrument :
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ClientSampleId :
WC-1



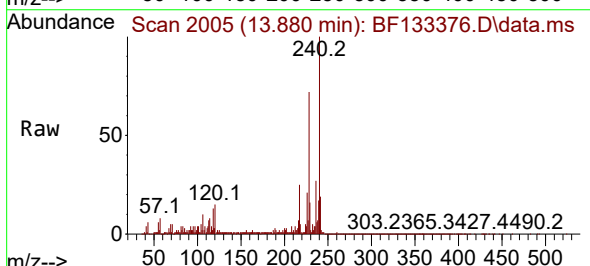
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Ion Ratio Lower Upper
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101 12.2 0.0 35.3
203 18.0 0.0 38.1

Manual Integrations
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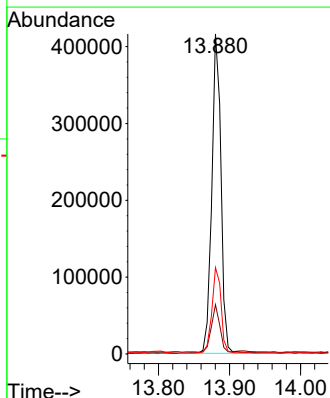
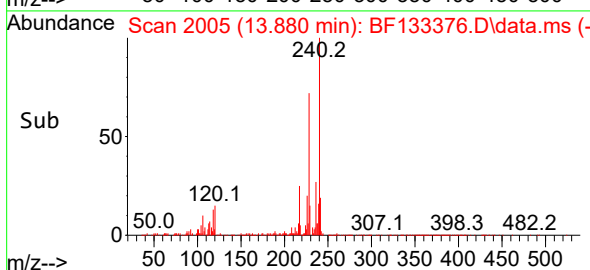
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

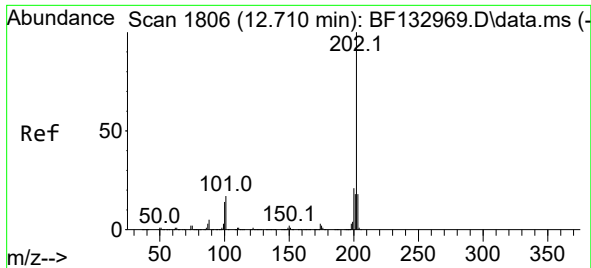


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51



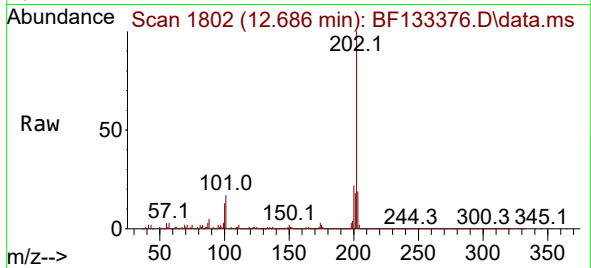
Tgt Ion:240 Resp: 375684
Ion Ratio Lower Upper
240 100
120 15.4 10.5 15.7
236 27.0 21.5 32.3





#78
 Pyrene
 Concen: 48.707 ng
 RT: 12.686 min Scan# 1802
 Delta R.T. 0.006 min
 Lab File: BF133376.D
 Acq: 12 May 2023 18:51

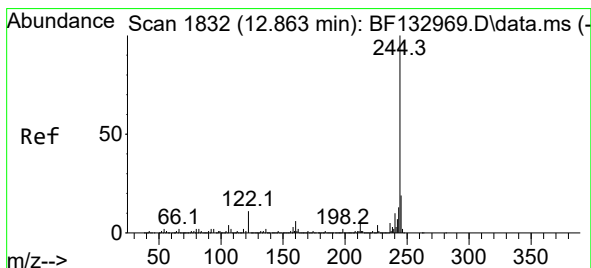
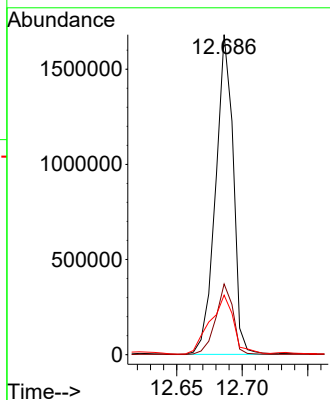
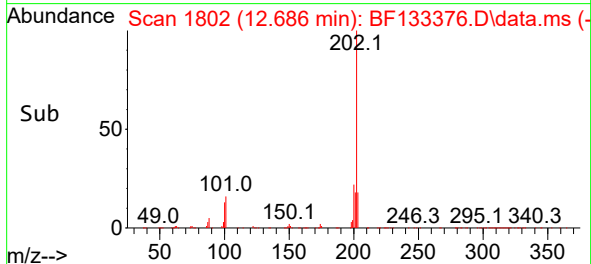
Instrument :
 BNA_F
 ClientSampleId :
 WC-1



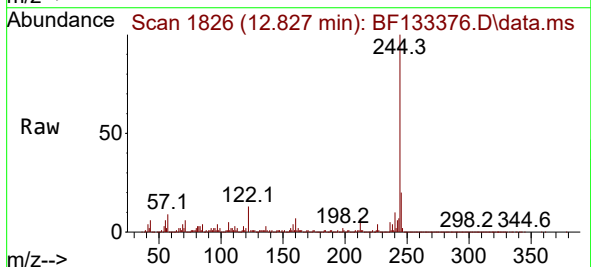
Tgt Ion:202 Resp: 156861
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.1 25.7
 203 18.6 14.1 21.1

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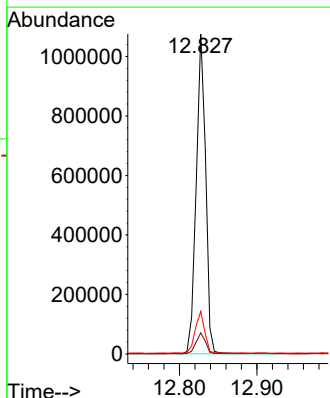
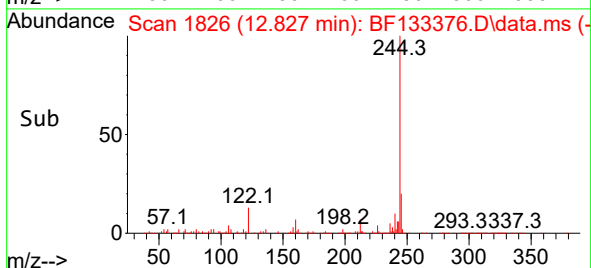
Reviewed By :Christian Giraldo 05/15/2023
 Supervised By :Yogesh Patel 05/16/2023

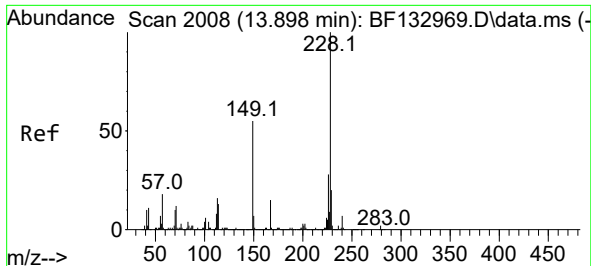


#79
 Terphenyl-d14
 Concen: 41.659 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: BF133376.D
 Acq: 12 May 2023 18:51



Tgt Ion:244 Resp: 907467
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 13.3 8.6 13.0#





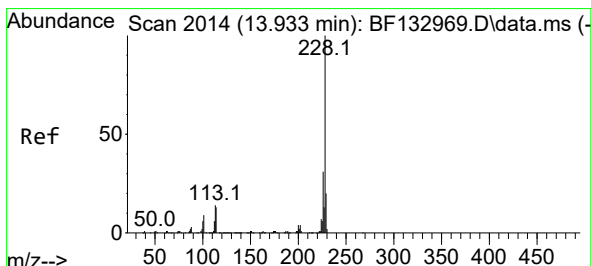
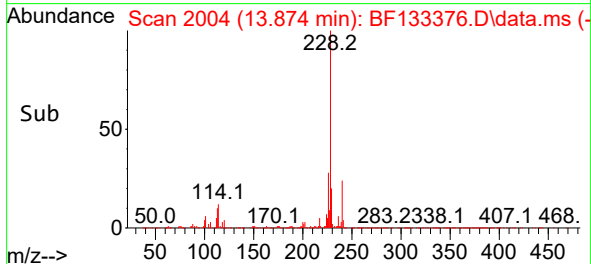
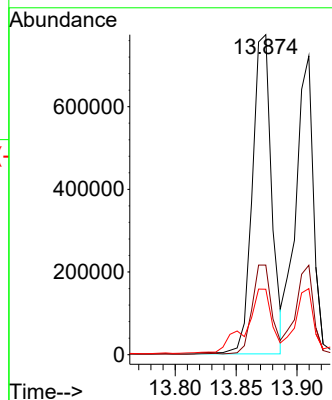
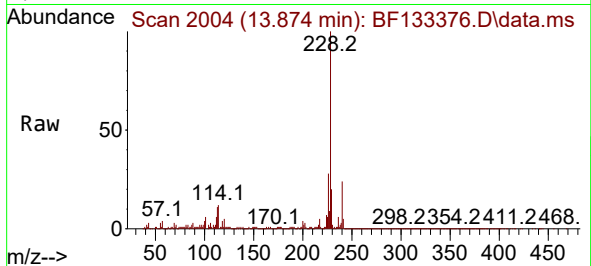
#81
Benzo(a)anthracene
Concen: 32.969 ng
RT: 13.874 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:228 Resp: 85175
Ion Ratio Lower Upper
228 100
226 28.0 22.2 33.4
229 20.5 16.0 24.0

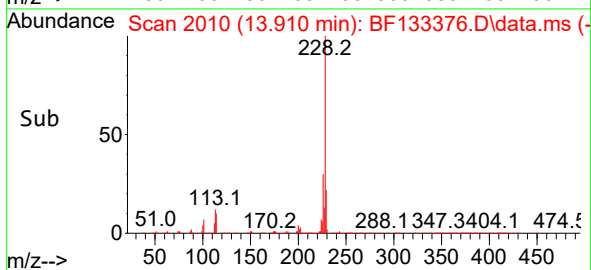
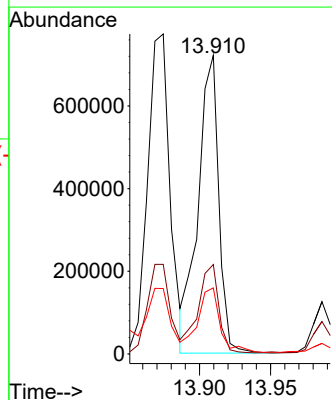
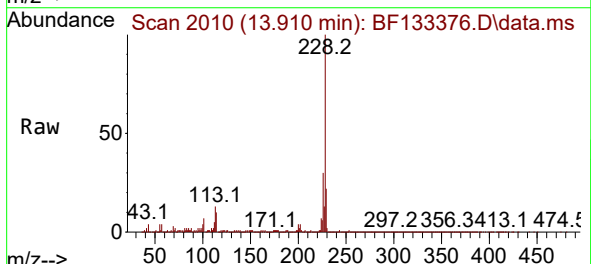
Manual Integrations
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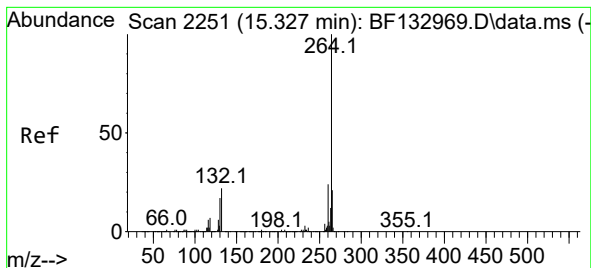
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#83
Chrysene
Concen: 28.368 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion:228 Resp: 732700
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 22.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1

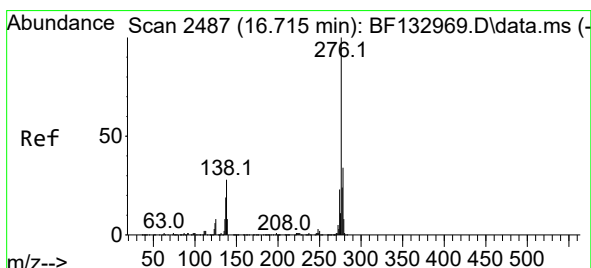
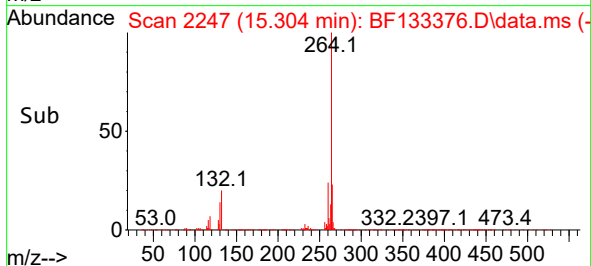
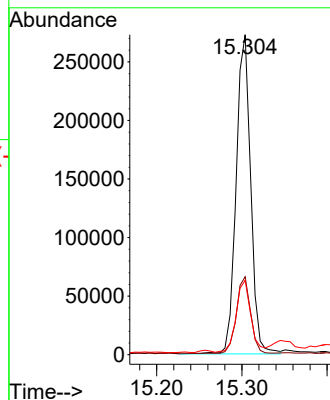
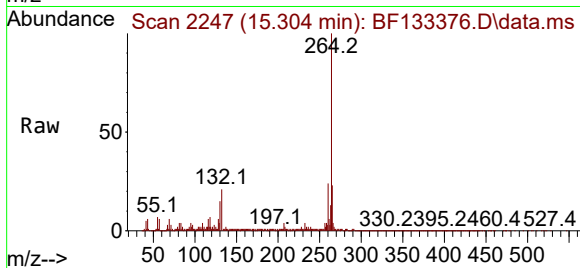
Tgt Ion:264 Resp: 322844
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.8 28.2
 265 23.3 17.0 25.4

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Supervised By :Yogesh Patel 05/16/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 16.058 ng

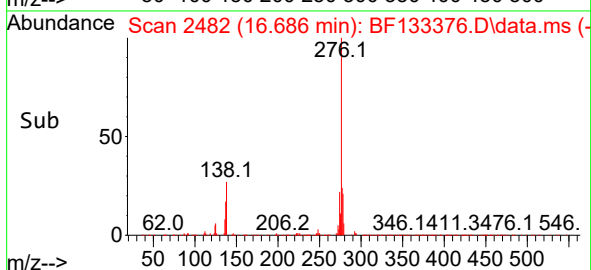
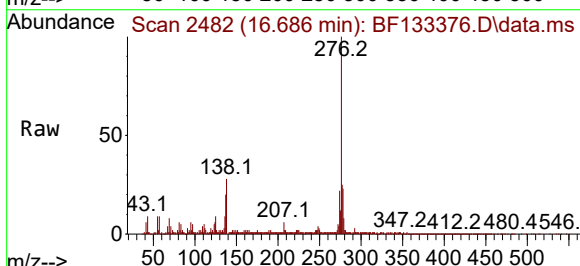
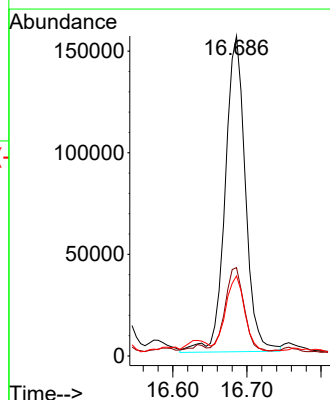
RT: 16.686 min Scan# 2482

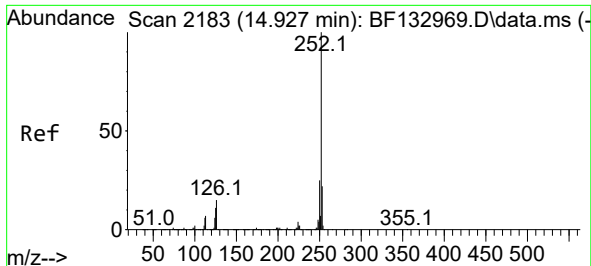
Delta R.T. 0.006 min

Lab File: BF133376.D

Acq: 12 May 2023 18:51

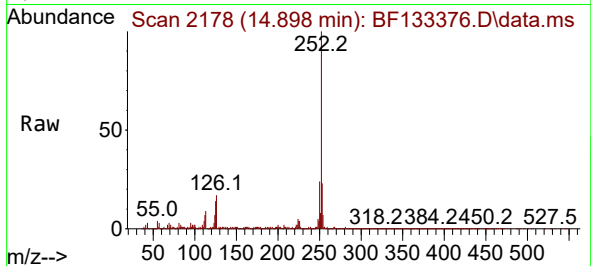
Tgt Ion:276 Resp: 294895
 Ion Ratio Lower Upper
 276 100
 138 25.9 25.5 38.3
 277 22.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 37.576 ng m
RT: 14.898 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

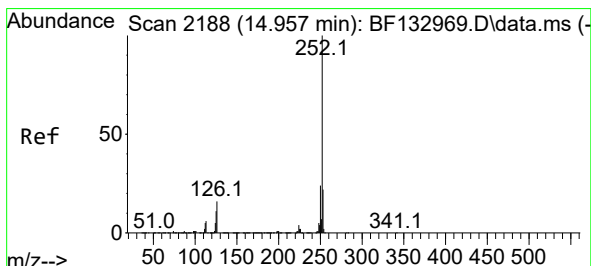
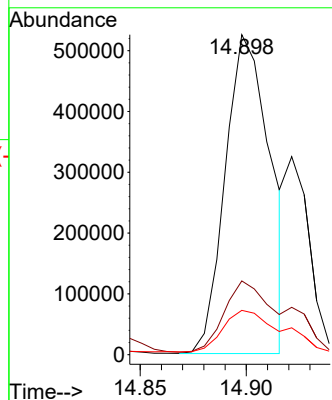
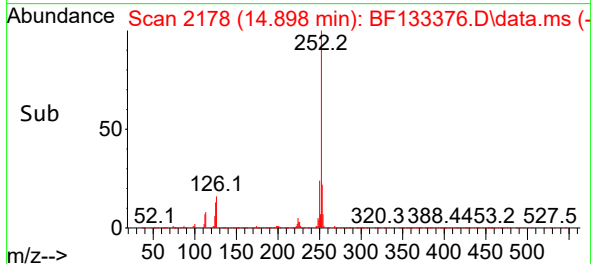
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 77177
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 13.8 8.9 13.3

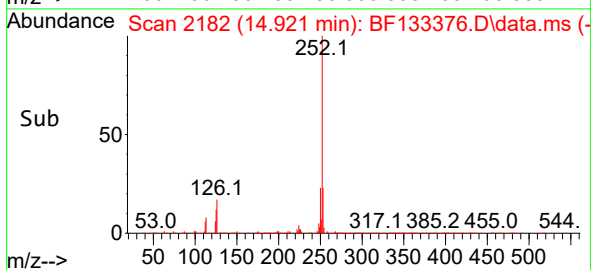
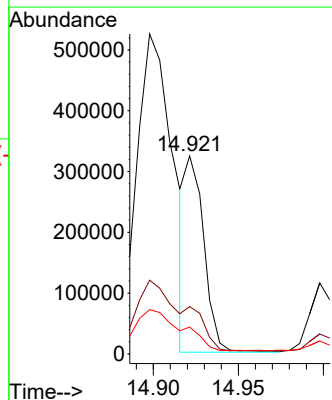
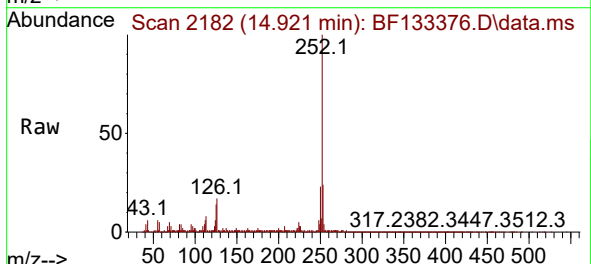
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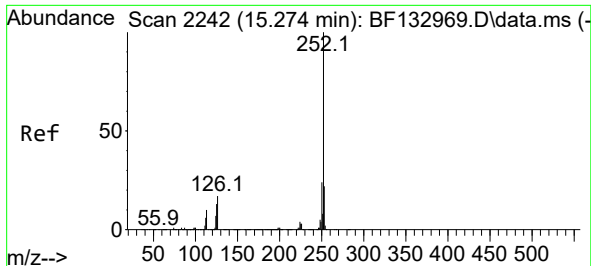
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#89
Benzo(k)fluoranthene
Concen: 12.098 ng m
RT: 14.921 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion:252 Resp: 246318
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 13.5 9.0 13.4





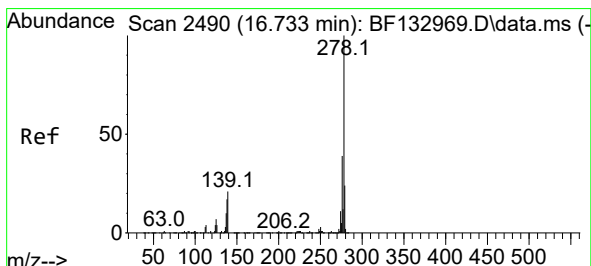
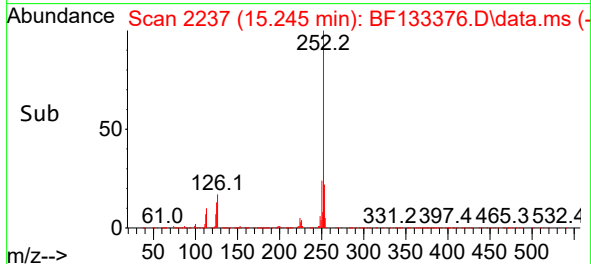
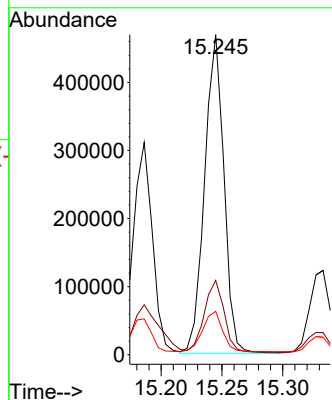
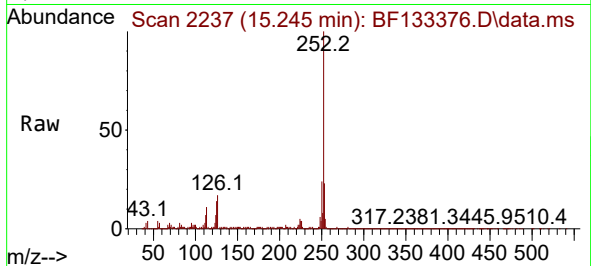
#90
Benzo(a)pyrene
Concen: 27.673 ng
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:252 Resp: 517334
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 13.5 10.5 15.7

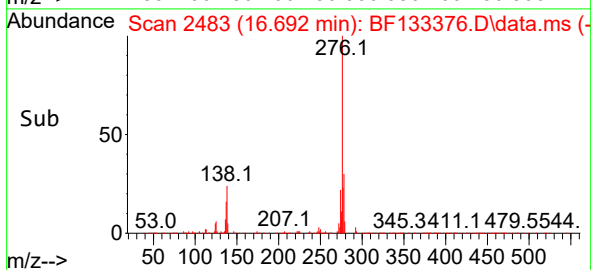
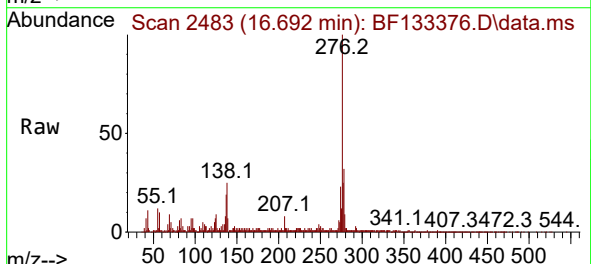
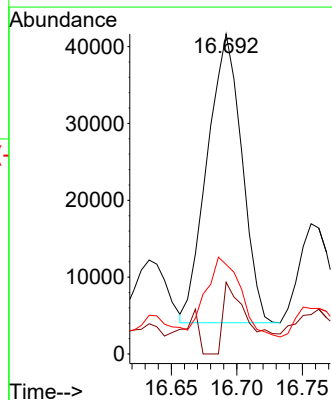
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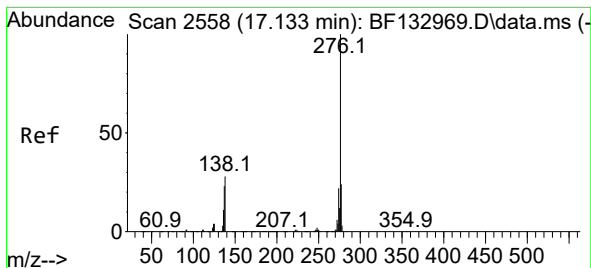
Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.505 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.000 min
Lab File: BF133376.D
Acq: 12 May 2023 18:51

Tgt Ion:278 Resp: 68994
Ion Ratio Lower Upper
278 100
139 22.4 16.6 24.8
279 28.0 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 17.487 ng

RT: 17.104 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF133376.D

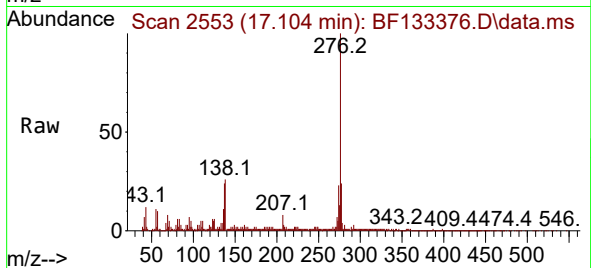
Acq: 12 May 2023 18:51

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:276 Resp: 264430

Ion Ratio Lower Upper

276 100

277 24.0 19.4 29.0

138 25.7 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/15/2023

Supervised By :Yogesh Patel 05/16/2023

