

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054387.D
 Acq On : 25 Jul 2022 20:08
 Operator : CG/JU
 Sample : N3855-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-01-072222

Quant Time: Jul 26 00:55:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.991	152	25586	20.000	ng	0.00
21) Naphthalene-d8	10.799	136	97812	20.000	ng	# 0.00
39) Acenaphthene-d10	14.624	164	71660	20.000	ng	0.00
64) Phenanthrene-d10	17.374	188	168098	20.000	ng	# 0.00
76) Chrysene-d12	21.639	240	192727	20.000	ng	# 0.00
86) Perylene-d12	24.842	264	185861	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.570	112	13617	11.112	ng	0.00
7) Phenol-d6	7.180	99	17687	10.533	ng	0.00
23) Nitrobenzene-d5	9.154	82	11827	6.585	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	14855	9.873	ng	0.00
45) 2-Fluorobiphenyl	13.249	172	37578	7.398	ng	0.00
79) Terphenyl-d14	19.977	244	73624	7.578	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.670	166	15792	2.924	ng	96
71) Phenanthrene	17.415	178	154519	18.458	ng	98
72) Anthracene	17.503	178	40510	4.931	ng	98
73) Carbazole	17.773	167	14443	2.136	ng	# 97
75) Fluoranthene	19.424	202	314468	27.558	ng	95
78) Pyrene	19.789	202	275011	24.869	ng	97
81) Benzo(a)anthracene	21.616	228	178451	14.586	ng	98
83) Chrysene	21.680	228	161126	13.940	ng	97
87) Indeno(1,2,3-cd)pyrene	28.514	276	68188	4.823	ng	96
88) Benzo(b)fluoranthene	23.831	252	215717	19.626	ng	96
89) Benzo(k)fluoranthene	23.884	252	83623m	7.644	ng	
90) Benzo(a)pyrene	24.695	252	149218	15.896	ng	99
92) Benzo(g,h,i)perylene	29.654	276	62318	5.431	ng	# 91

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

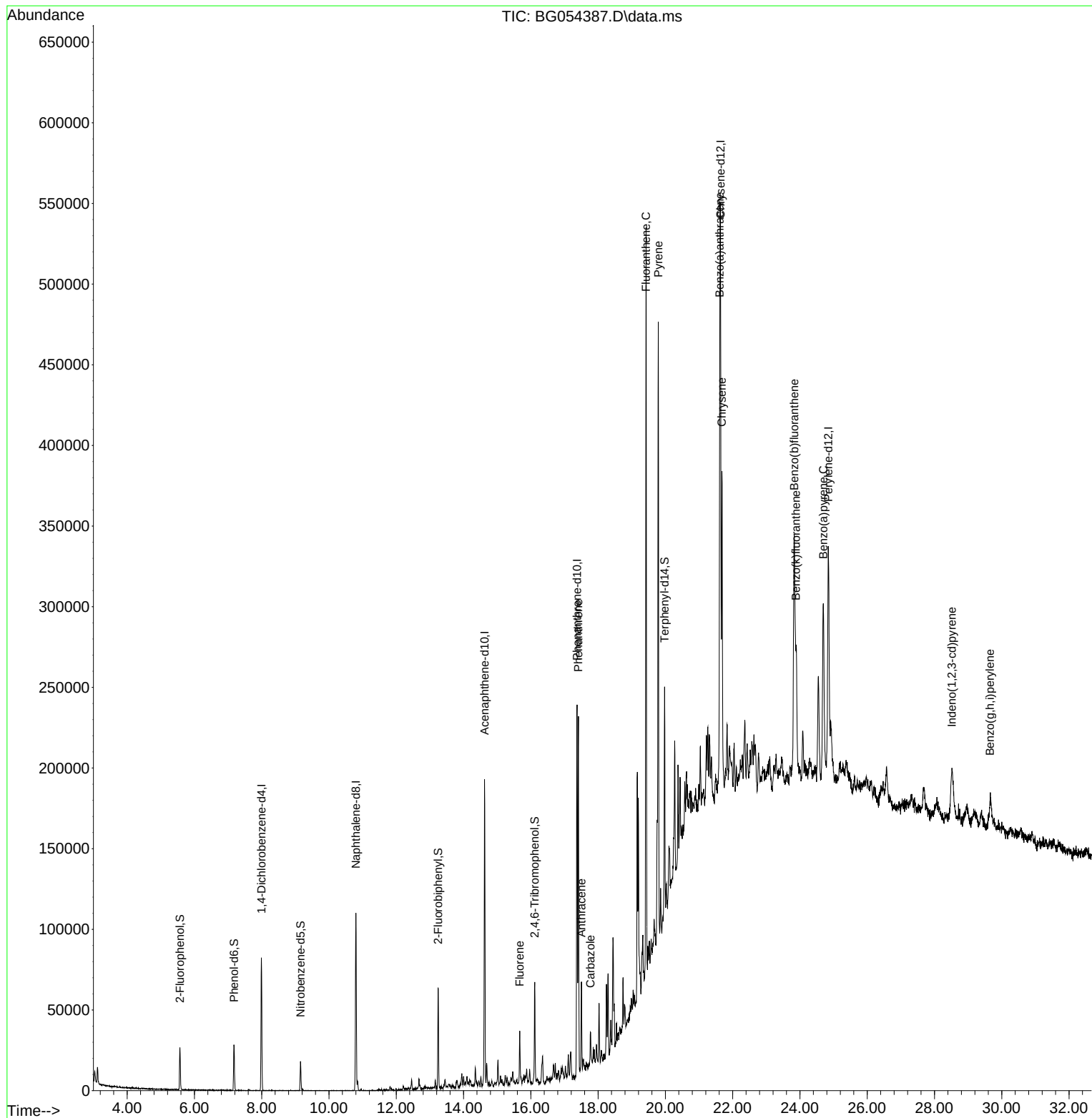
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054387.D
Acq On : 25 Jul 2022 20:08
Operator : CG/JU
Sample : N3855-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

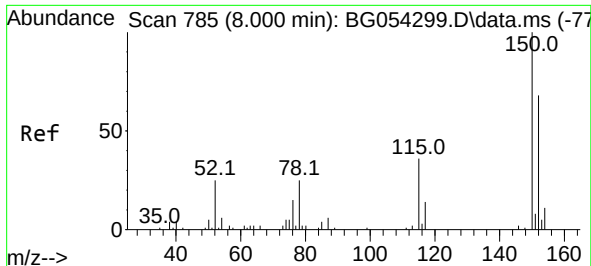
Instrument :
BNA_G
ClientSampleId :
EO-01-072222

Quant Time: Jul 26 00:55:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

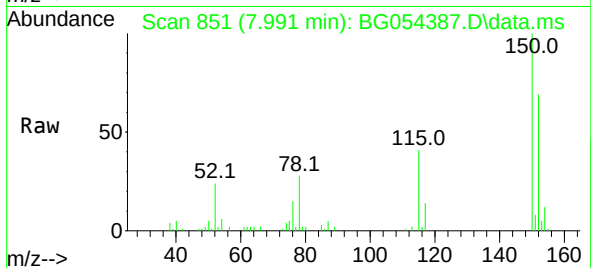
Reviewed By : Christian Giraldo 07/26/2022
Supervised By : Jagrut Upadhyay 07/26/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.991 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

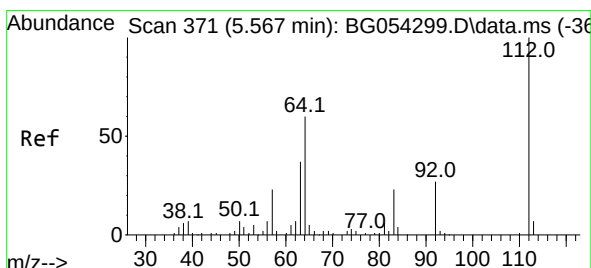
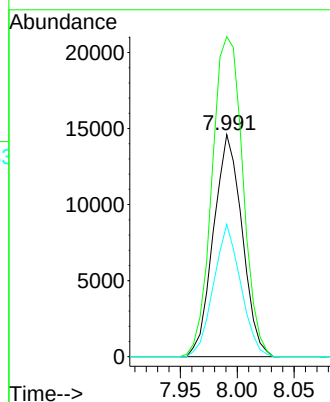
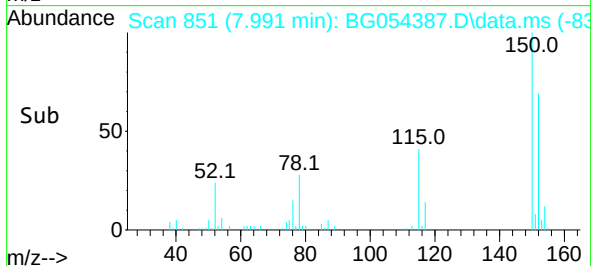
Instrument :
BNA_G
ClientSampleId :
EO-01-072222



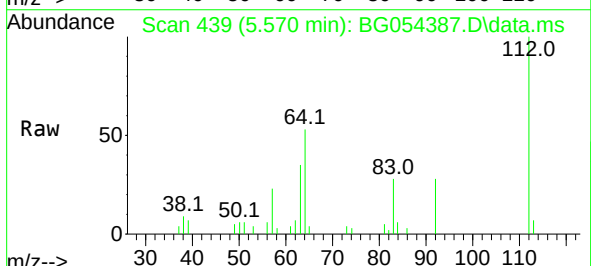
Tgt Ion:152 Resp: 25580
Ion Ratio Lower Upper
152 100
150 144.1 131.6 197.4
115 59.6 50.9 76.3

Manual Integrations
APPROVED

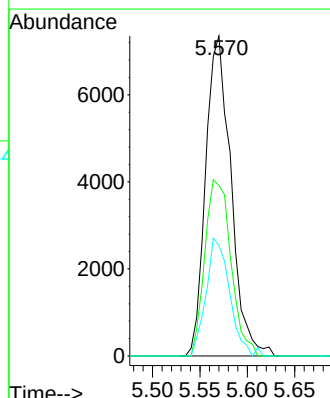
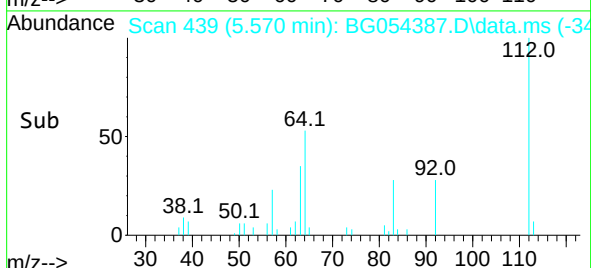
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

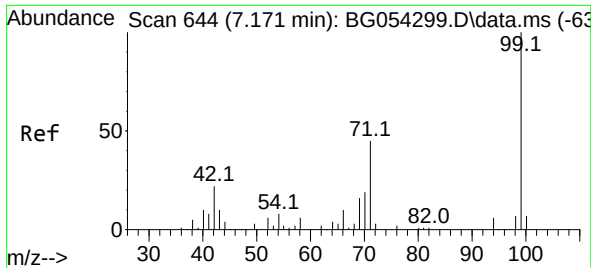


#5
2-Fluorophenol
Concen: 11.112 ng
RT: 5.570 min Scan# 439
Delta R.T. 0.003 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08



Tgt Ion:112 Resp: 13617
Ion Ratio Lower Upper
112 100
64 53.3 55.1 82.7#
63 34.6 30.4 45.6





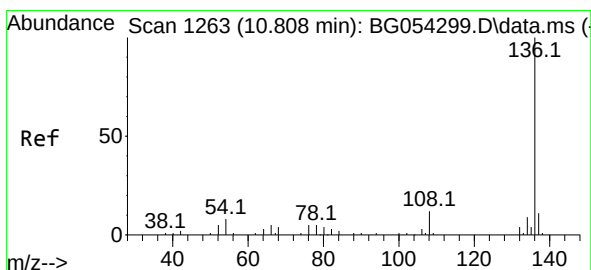
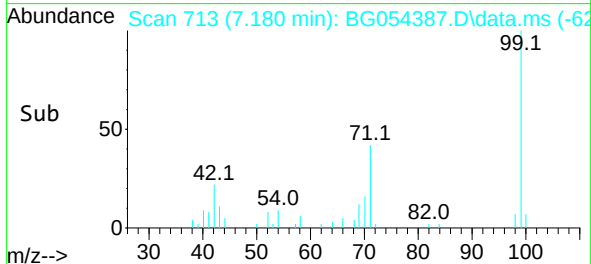
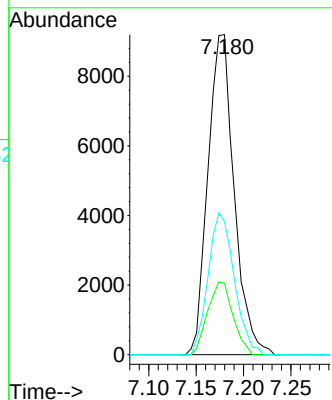
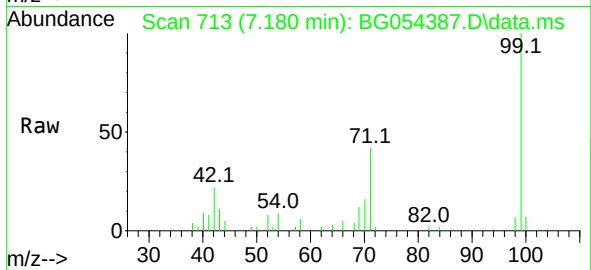
#7
Phenol-d6
Concen: 10.533 ng
RT: 7.180 min Scan# 71
Delta R.T. 0.008 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

Instrument :
BNA_G
ClientSampleId :
EO-01-072222

Tgt Ion: 99 Resp: 1768
Ion Ratio Lower Upper
99 100
42 22.3 17.0 25.6
71 41.5 33.8 50.8

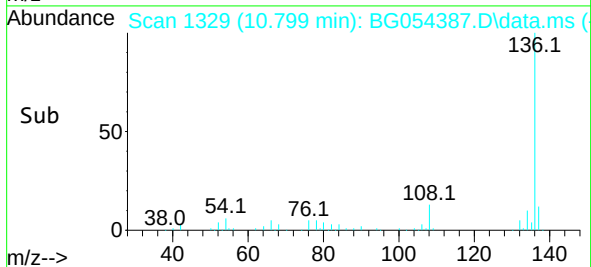
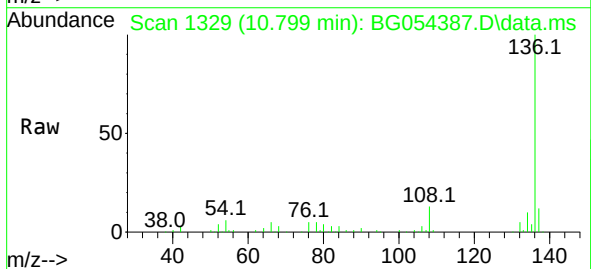
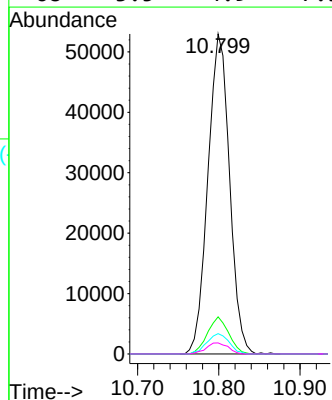
Manual Integrations
APPROVED

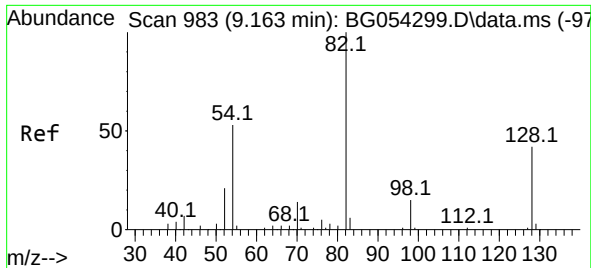
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.799 min Scan# 1329
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

Tgt Ion:136 Resp: 97812
Ion Ratio Lower Upper
136 100
137 11.6 8.5 12.7
54 6.3 7.4 11.2#
68 3.5 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 6.585 ng
RT: 9.154 min Scan# 1049
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

Instrument :

BNA_G

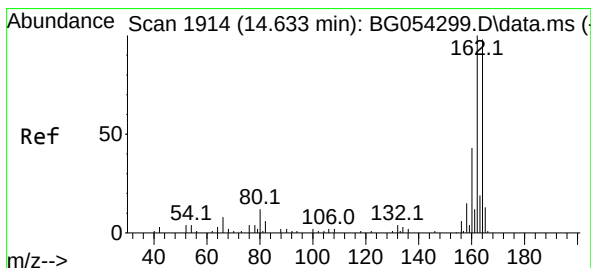
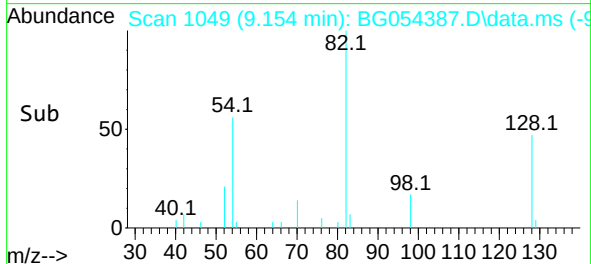
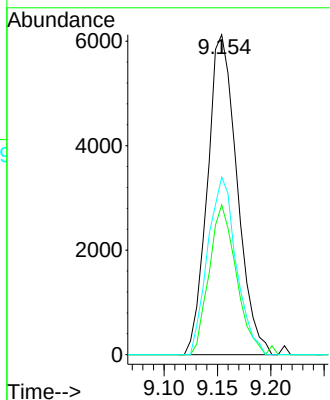
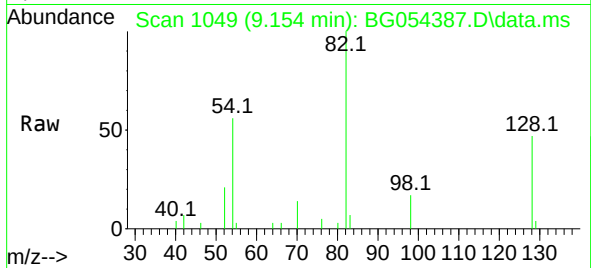
ClientSampleId :

EO-01-072222

Tgt Ion: 82 Resp: 1182
Ion Ratio Lower Upper
82 100
128 46.8 27.9 41.9
54 55.5 41.2 61.8

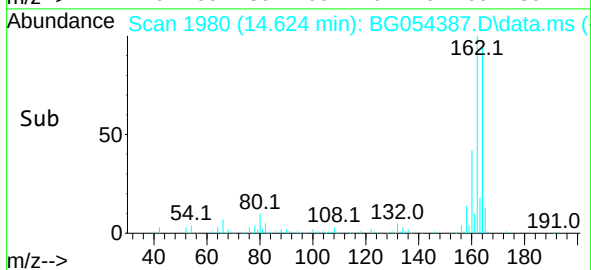
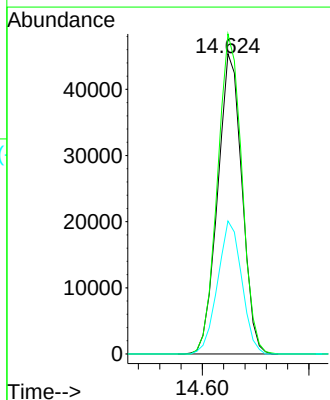
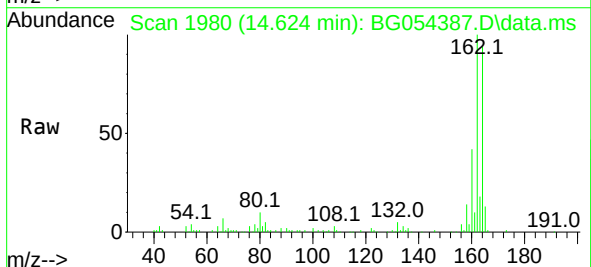
Manual Integrations
APPROVED

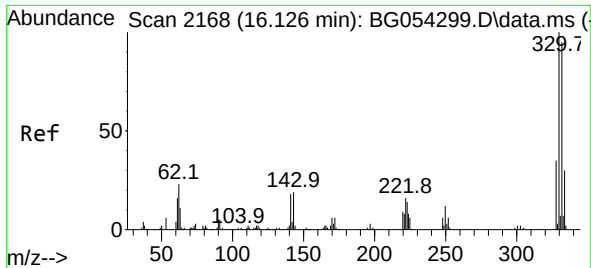
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.624 min Scan# 1980
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

Tgt Ion:164 Resp: 71660
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 44.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 9.873 ng
RT: 16.116 min Scan# 2168
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

Instrument :

BNA_G

ClientSampleId :

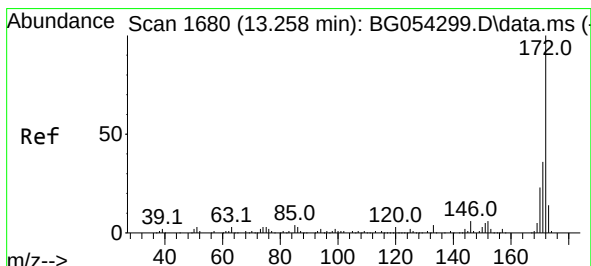
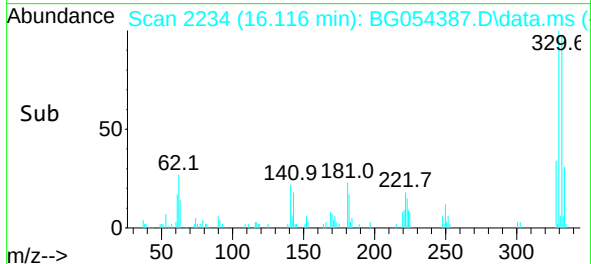
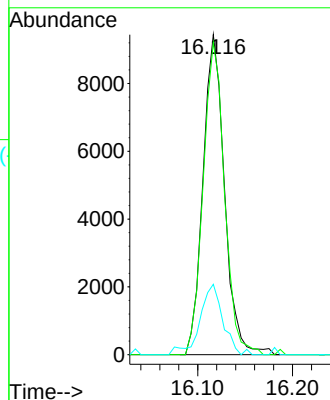
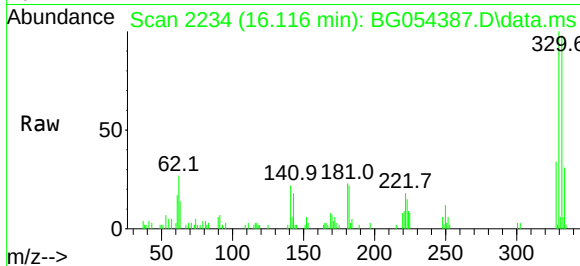
EO-01-072222

Tgt Ion:330 Resp: 1485
Ion Ratio Lower Upper
330 100
332 96.9 76.0 114.0
141 23.4 27.1 40.7

Manual Integrations

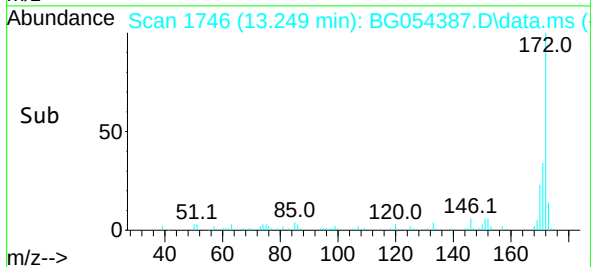
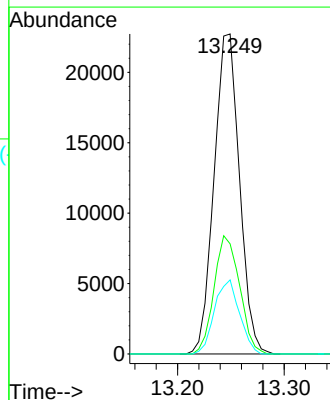
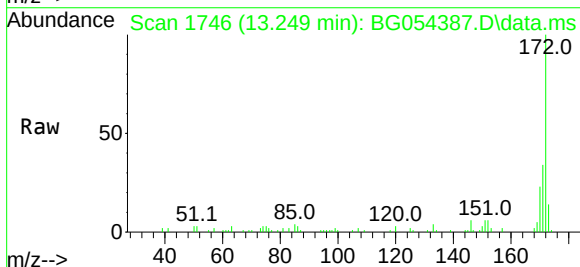
APPROVED

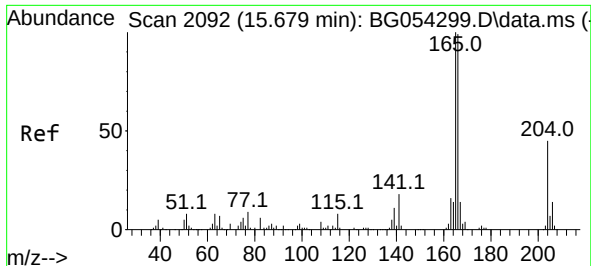
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#45
2-Fluorobiphenyl
Concen: 7.398 ng
RT: 13.249 min Scan# 1746
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

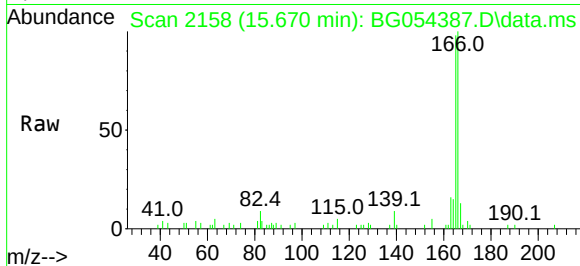
Tgt Ion:172 Resp: 37578
Ion Ratio Lower Upper
172 100
171 34.4 28.5 42.7
170 23.1 18.9 28.3





#58
Fluorene
Concen: 2.924 ng
RT: 15.670 min Scan# 2158
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

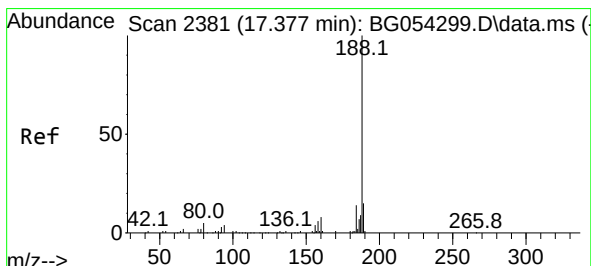
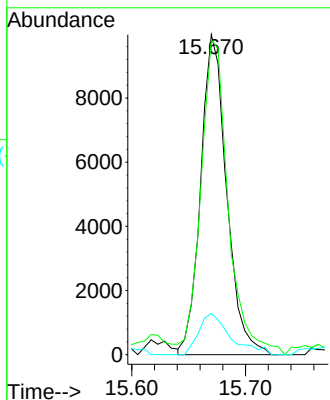
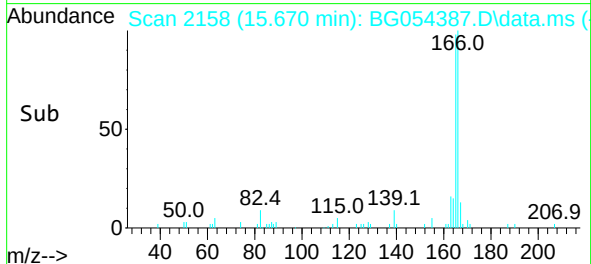
Instrument :
BNA_G
ClientSampleId :
EO-01-072222



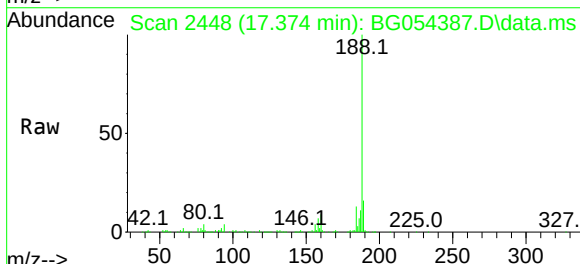
Tgt Ion:166 Resp: 15792
Ion Ratio Lower Upper
166 100
165 98.3 75.0 112.6
167 12.9 10.8 16.2

Manual Integrations
APPROVED

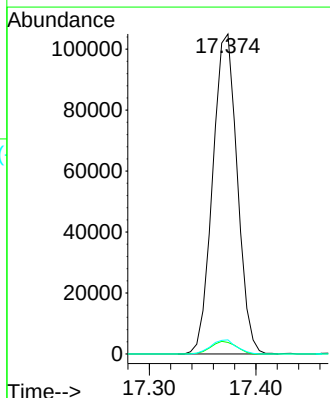
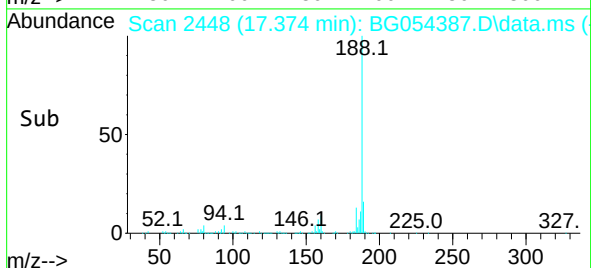
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

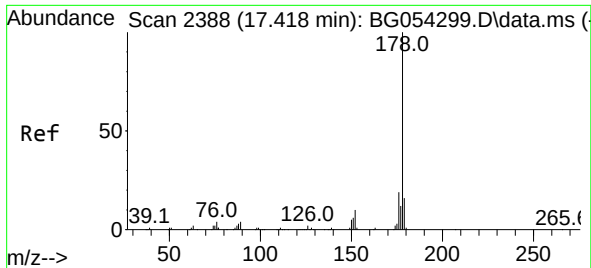


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.374 min Scan# 2448
Delta R.T. -0.003 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08



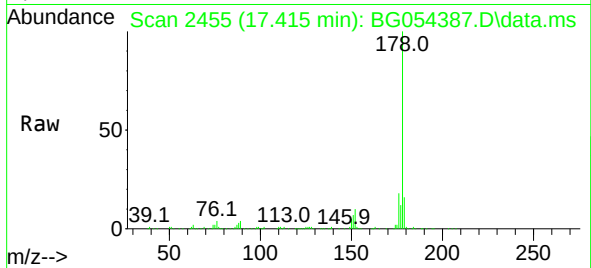
Tgt Ion:188 Resp: 168098
Ion Ratio Lower Upper
188 100
94 3.6 5.4 8.0#
80 4.4 6.8 10.2#





#71
Phenanthrene
Concen: 18.458 ng
RT: 17.415 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

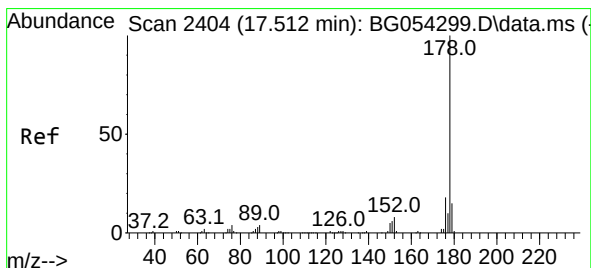
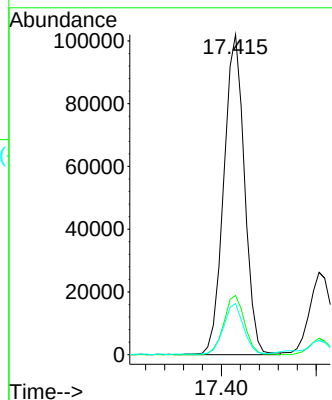
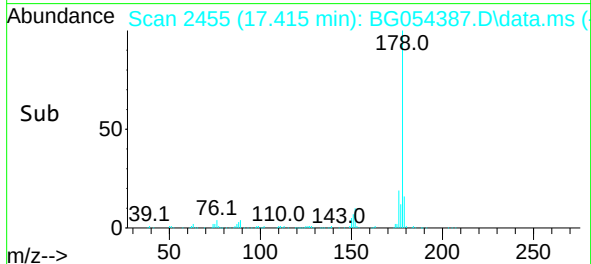
Instrument :
BNA_G
ClientSampleId :
EO-01-072222



Tgt Ion:178 Resp: 154519
Ion Ratio Lower Upper
178 100
176 18.5 14.1 21.1
179 16.0 12.1 18.1

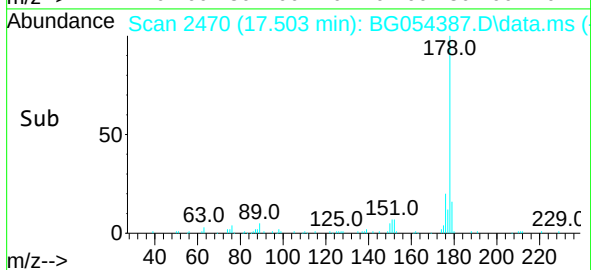
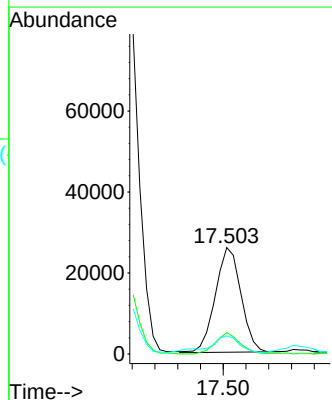
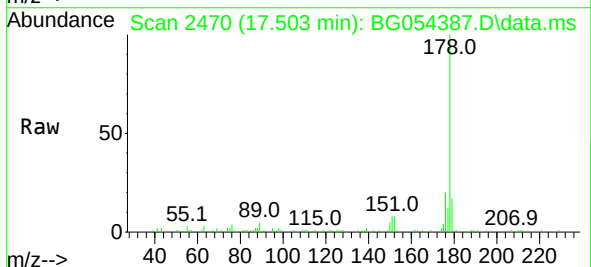
Manual Integrations
APPROVED

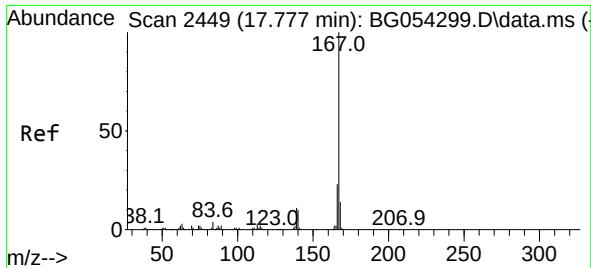
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#72
Anthracene
Concen: 4.931 ng
RT: 17.503 min Scan# 2470
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

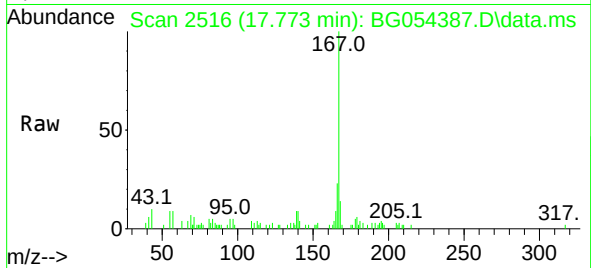
Tgt Ion:178 Resp: 40510
Ion Ratio Lower Upper
178 100
176 20.0 15.2 22.8
179 17.1 13.0 19.4





#73
 Carbazole
 Concen: 2.136 ng
 RT: 17.773 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG054387.D
 Acq: 25 Jul 2022 20:08

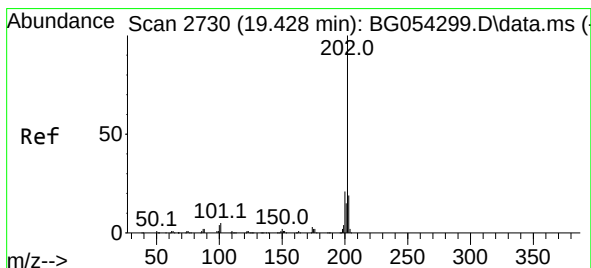
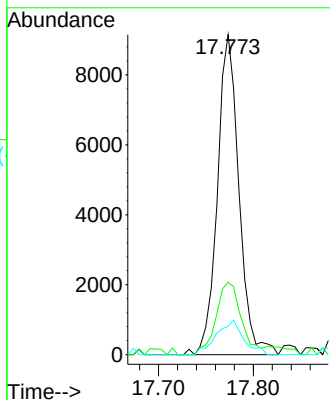
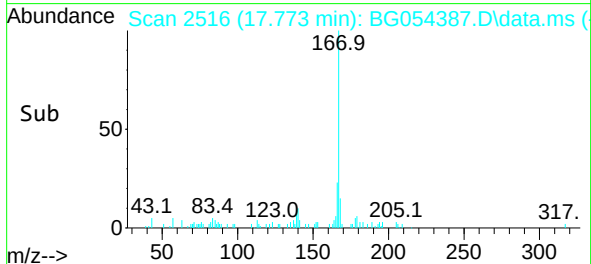
Instrument :
 BNA_G
 ClientSampleId :
 EO-01-072222



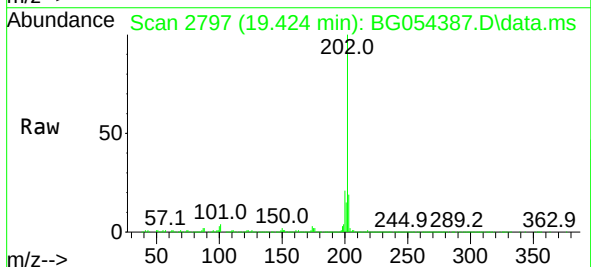
Tgt Ion:167 Resp: 1444
 Ion Ratio Lower Upper
 167 100
 166 22.7 18.2 27.2
 139 8.9 10.1 15.1

Manual Integrations
 APPROVED

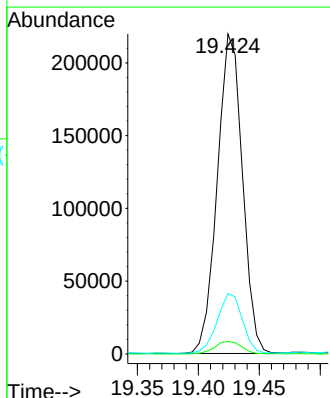
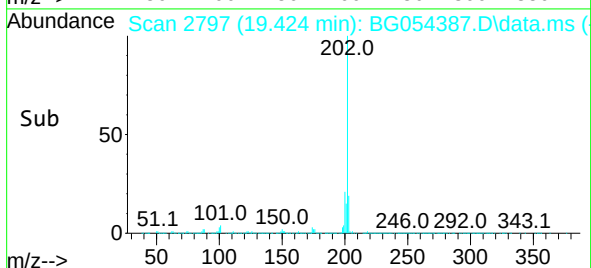
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

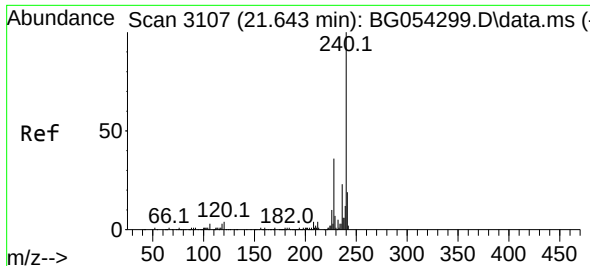


#75
 Fluoranthene
 Concen: 27.558 ng
 RT: 19.424 min Scan# 2797
 Delta R.T. -0.003 min
 Lab File: BG054387.D
 Acq: 25 Jul 2022 20:08



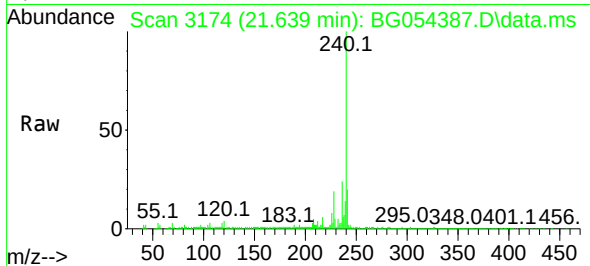
Tgt Ion:202 Resp: 314468
 Ion Ratio Lower Upper
 202 100
 101 3.9 0.0 26.9
 203 18.9 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3107
Delta R.T. -0.004 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

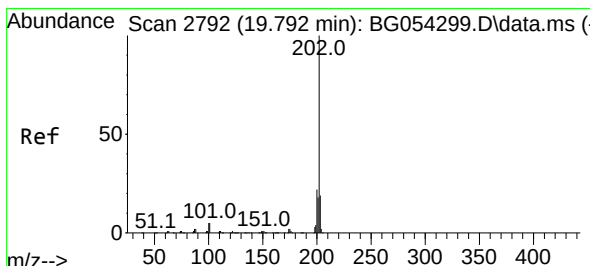
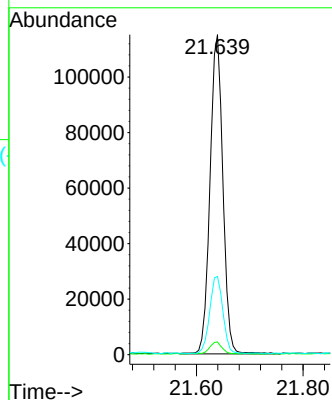
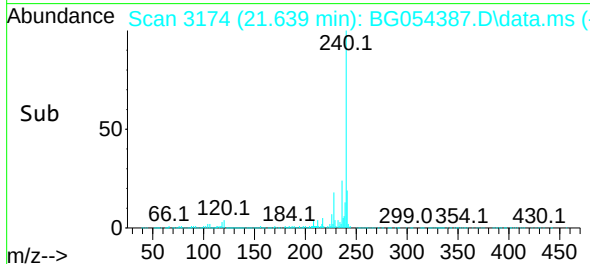
Instrument :
BNA_G
ClientSampleId :
EO-01-072222



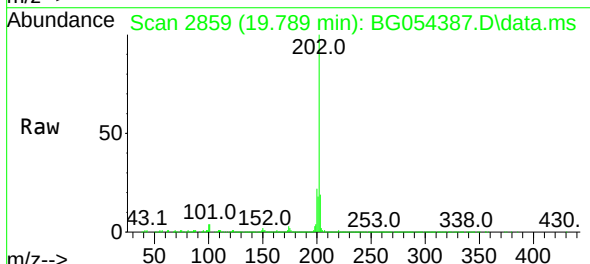
Tgt Ion:240 Resp: 192727
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0
236 24.5 20.2 30.4

Manual Integrations
APPROVED

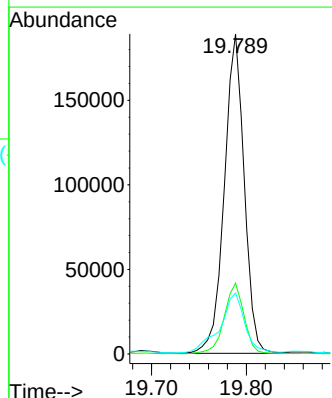
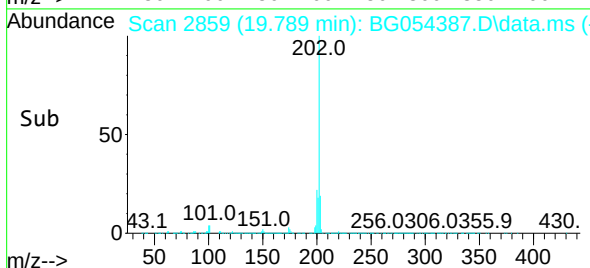
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

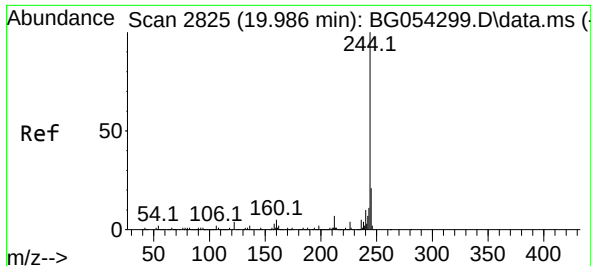


#78
Pyrene
Concen: 24.869 ng
RT: 19.789 min Scan# 2859
Delta R.T. -0.003 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08



Tgt Ion:202 Resp: 275011
Ion Ratio Lower Upper
202 100
200 22.2 16.6 24.8
203 19.0 14.6 21.8





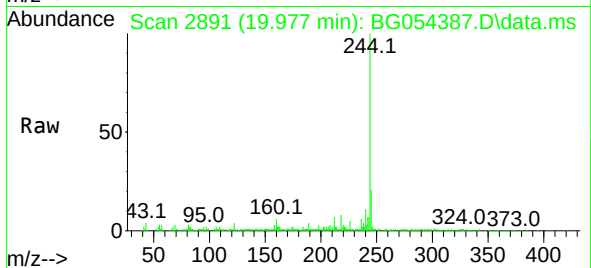
#79
 Terphenyl-d14
 Concen: 7.578 ng
 RT: 19.977 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BG054387.D
 Acq: 25 Jul 2022 20:08

Instrument :

BNA_G

ClientSampleId :

EO-01-072222

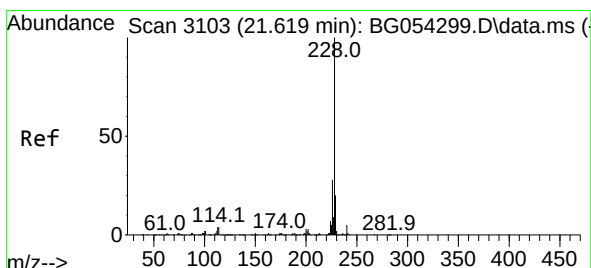
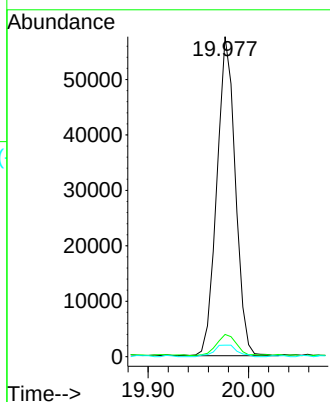
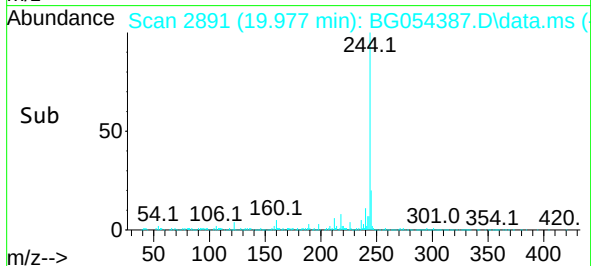


Tgt Ion:244 Resp: 73624
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 3.6 5.0 7.4

Manual Integrations

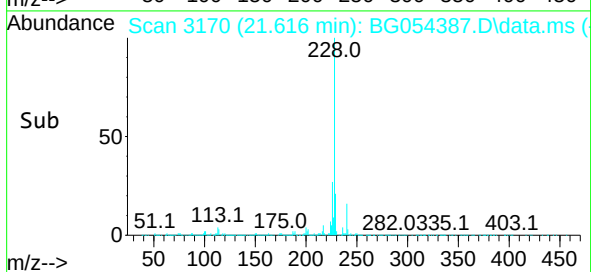
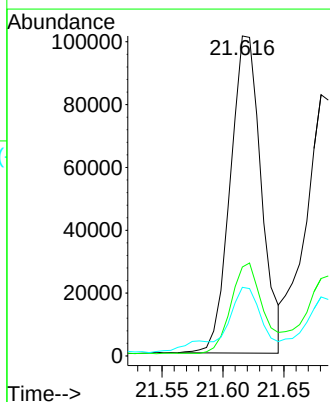
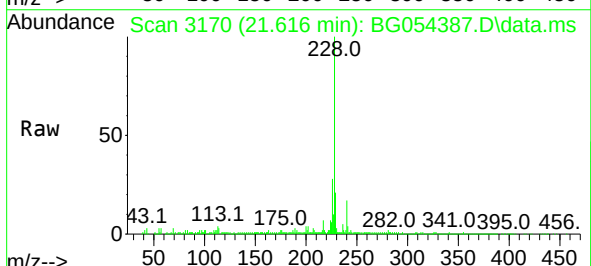
APPROVED

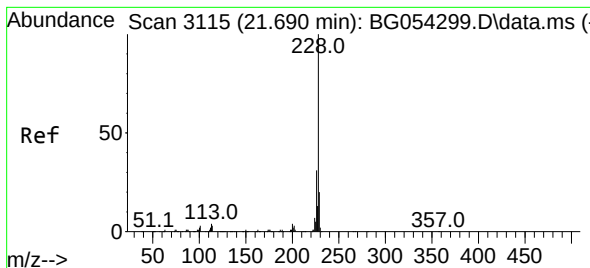
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022



#81
 Benzo(a)anthracene
 Concen: 14.586 ng
 RT: 21.616 min Scan# 3170
 Delta R.T. -0.003 min
 Lab File: BG054387.D
 Acq: 25 Jul 2022 20:08

Tgt Ion:228 Resp: 178451
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 21.5 16.2 24.2





#83

Chrysene

Concen: 13.940 ng

RT: 21.680 min Scan# 3115

Delta R.T. -0.009 min

Lab File: BG054387.D

Acq: 25 Jul 2022 20:08

Instrument :

BNA_G

ClientSampleId :

EO-01-072222

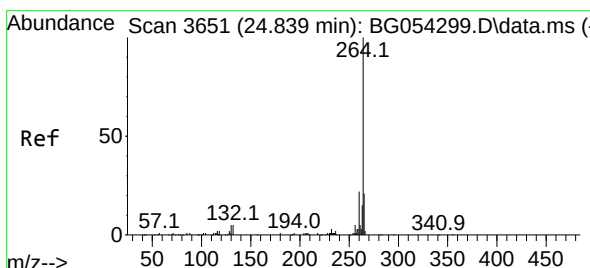
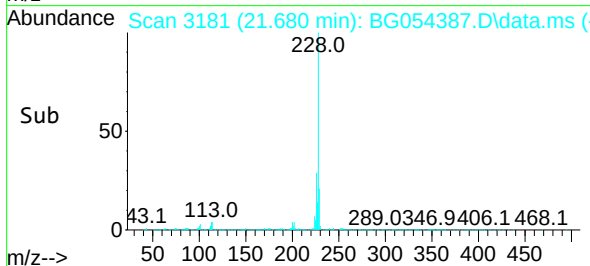
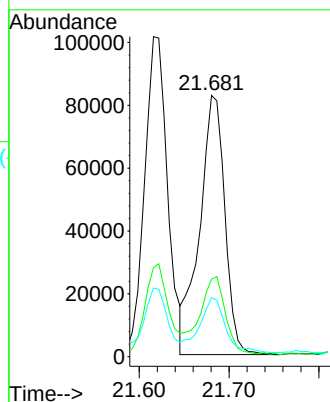
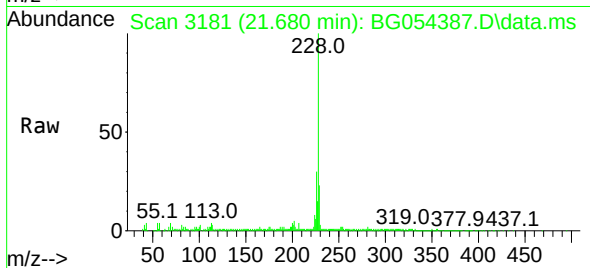
Tgt Ion:228	Resp: 161120
Ion Ratio	Lower Upper
228 100	
226 29.7	23.4 35.2
229 22.6	15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022



#86

Perylene-d12

Concen: 20.000 ng

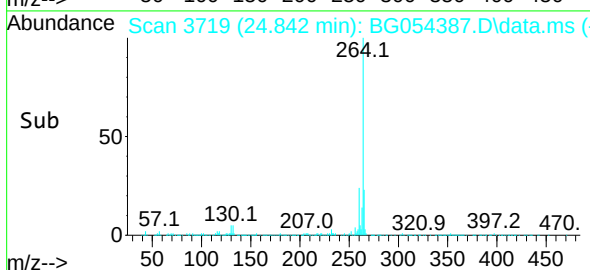
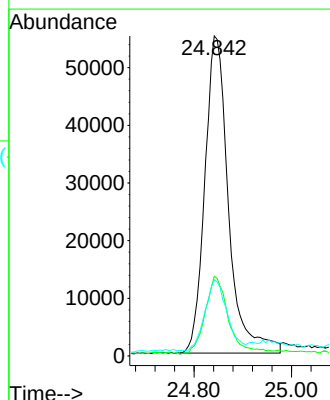
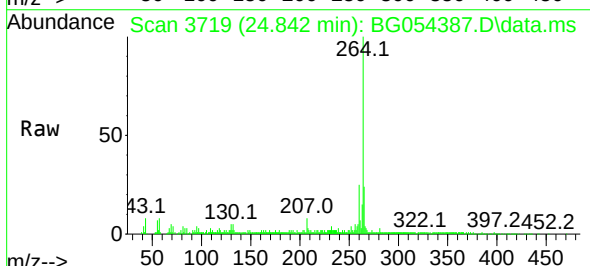
RT: 24.842 min Scan# 3719

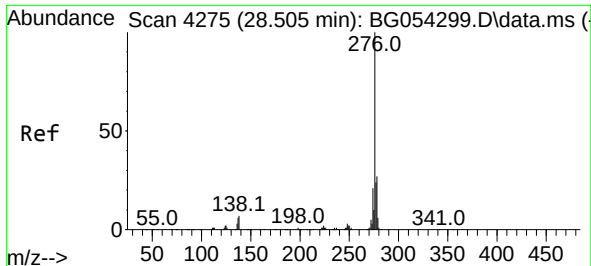
Delta R.T. 0.003 min

Lab File: BG054387.D

Acq: 25 Jul 2022 20:08

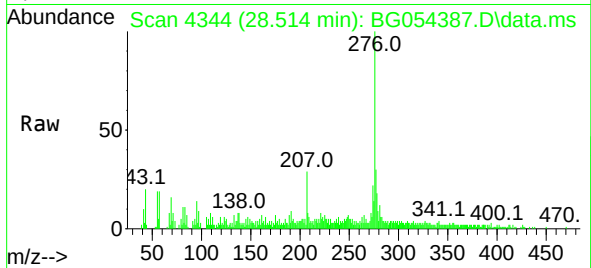
Tgt Ion:264	Resp: 185861
Ion Ratio	Lower Upper
264 100	
260 24.9	19.0 28.6
265 23.8	17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.823 ng
 RT: 28.514 min Scan# 41
 Delta R.T. 0.008 min
 Lab File: BG054387.D
 Acq: 25 Jul 2022 20:08

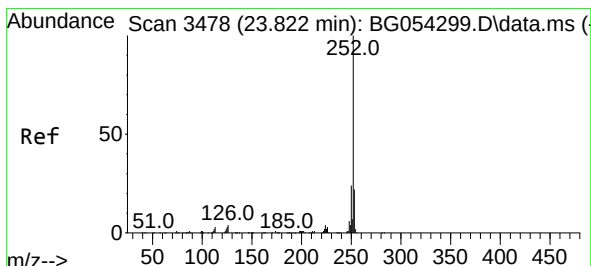
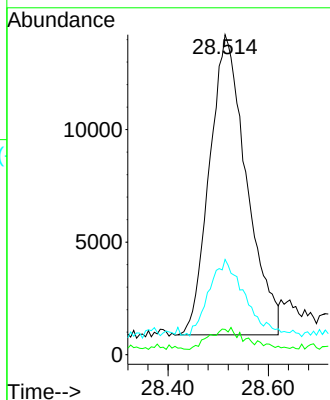
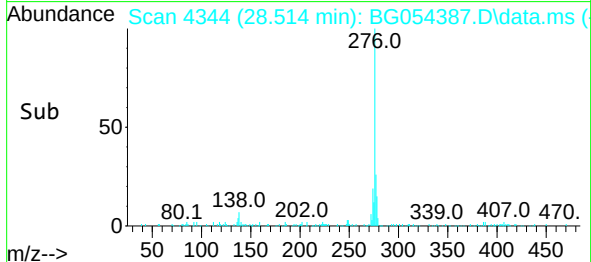
Instrument :
 BNA_G
 ClientSampleId :
 EO-01-072222



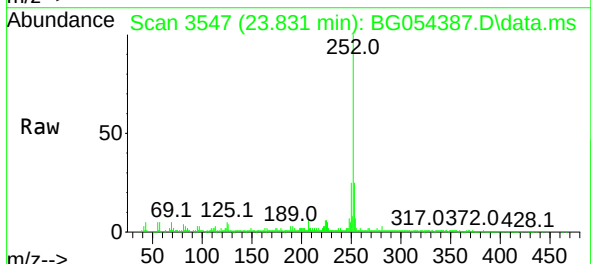
Tgt Ion:276 Resp: 6818
 Ion Ratio Lower Upper
 276 100
 138 6.2 5.0 7.4
 277 22.9 20.3 30.5

Manual Integrations
 APPROVED

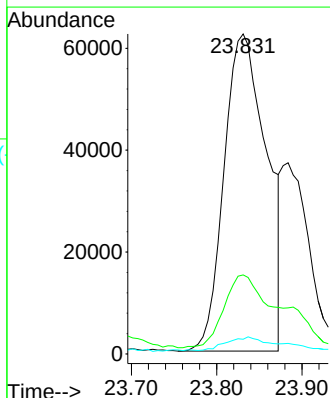
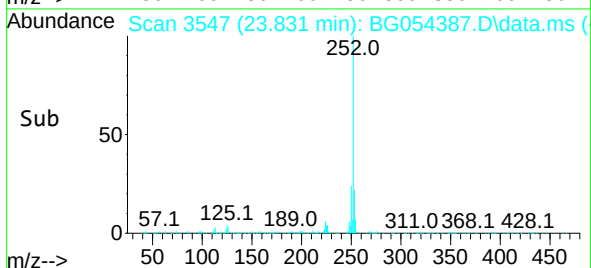
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

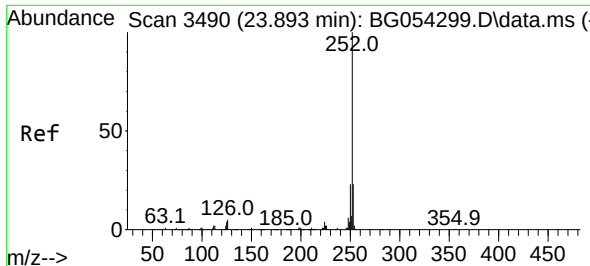


#88
 Benzo(b)fluoranthene
 Concen: 19.626 ng
 RT: 23.831 min Scan# 3547
 Delta R.T. 0.008 min
 Lab File: BG054387.D
 Acq: 25 Jul 2022 20:08



Tgt Ion:252 Resp: 215717
 Ion Ratio Lower Upper
 252 100
 253 24.7 18.0 27.0
 125 4.6 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 7.644 ng m
RT: 23.884 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

Instrument :

BNA_G

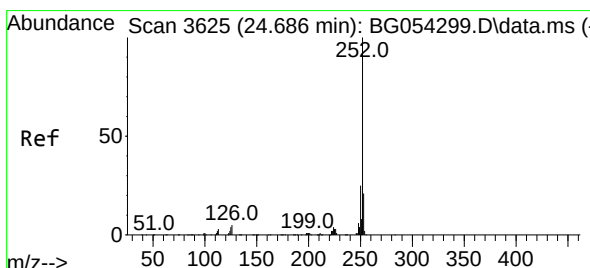
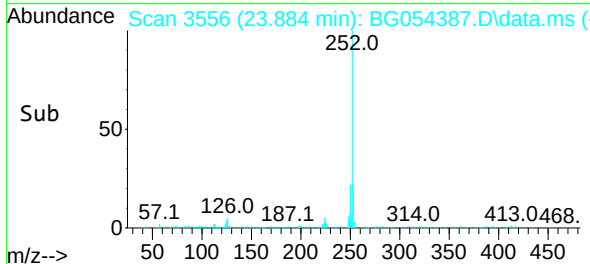
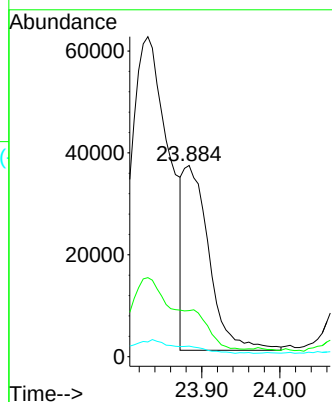
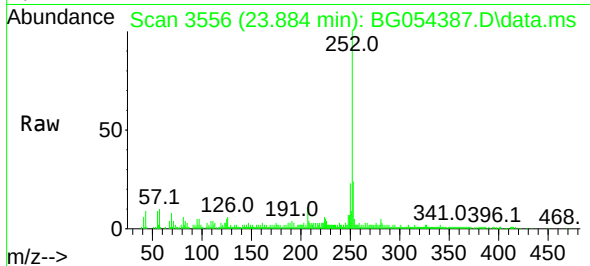
ClientSampleId :

EO-01-072222

Tgt Ion:252 Resp: 8362
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 5.5 4.8 7.2

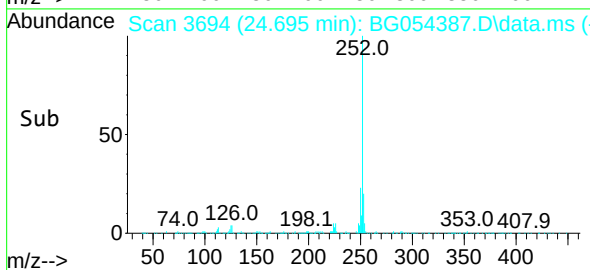
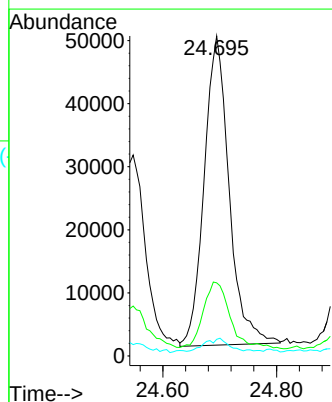
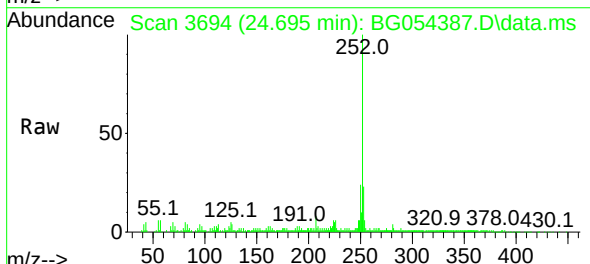
Manual Integrations
APPROVED

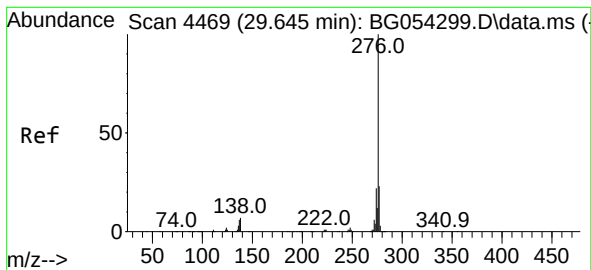
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#90
Benzo(a)pyrene
Concen: 15.896 ng
RT: 24.695 min Scan# 3694
Delta R.T. 0.008 min
Lab File: BG054387.D
Acq: 25 Jul 2022 20:08

Tgt Ion:252 Resp: 149218
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 5.2 4.3 6.5





#92

Benzo(g,h,i)perylene

Concen: 5.431 ng

RT: 29.654 min Scan# 4

Delta R.T. 0.008 min

Lab File: BG054387.D

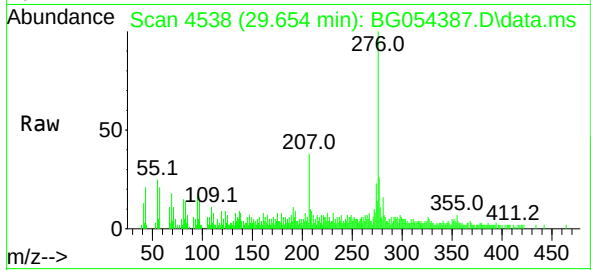
Acq: 25 Jul 2022 20:08

Instrument :

BNA_G

ClientSampleId :

EO-01-072222



Tgt Ion:276 Resp: 62318

Ion Ratio Lower Upper

276 100

277 25.6 17.3 25.9

138 8.0 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022

