

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
 Data File : BF126940.D
 Acq On : 17 Feb 2022 21:42
 Operator : CG\JU
 Sample : N1556-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NE-SURFICIAL-SOIL

Quant Time: Feb 18 03:46:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/18/2022
 Supervised By : Jagrut Upadhyay 02/18/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	118064	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	470486	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	232379	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	334915	20.000	ng	# 0.00
76) Chrysene-d12	14.104	240	188013	20.000	ng	# 0.00
86) Perylene-d12	15.610	264	165673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	99482	13.023	ng	-0.01
7) Phenol-d6	6.540	99	136354	13.229	ng	-0.02
23) Nitrobenzene-d5	7.487	82	96339	9.243	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	20532	7.674	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	165197	10.465	ng	-0.01
79) Terphenyl-d14	13.039	244	112034	8.760	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.234	128	171053	6.965	ng	99
71) Phenanthrene	11.486	178	348771	18.605	ng	98
75) Fluoranthene	12.674	202	322829	18.137	ng	95
78) Pyrene	12.904	202	273240	16.728	ng	98
81) Benzo(a)anthracene	14.092	228	136995	10.808	ng	95
83) Chrysene	14.133	228	156720	13.148	ng	99
84) Bis(2-ethylhexyl)phtha...	14.074	149	20761	2.045	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.133	276	76140	7.009	ng	# 84
88) Benzo(b)fluoranthene	15.163	252	222723m	20.016	ng	
89) Benzo(k)fluoranthene	15.192	252	77351m	7.207	ng	
90) Benzo(a)pyrene	15.545	252	95874m	11.031	ng	
91) Dibenzo(a,h)anthracene	17.145	278	20766	2.311	ng	# 94
92) Benzo(g,h,i)perylene	17.604	276	67785	7.653	ng	# 88

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

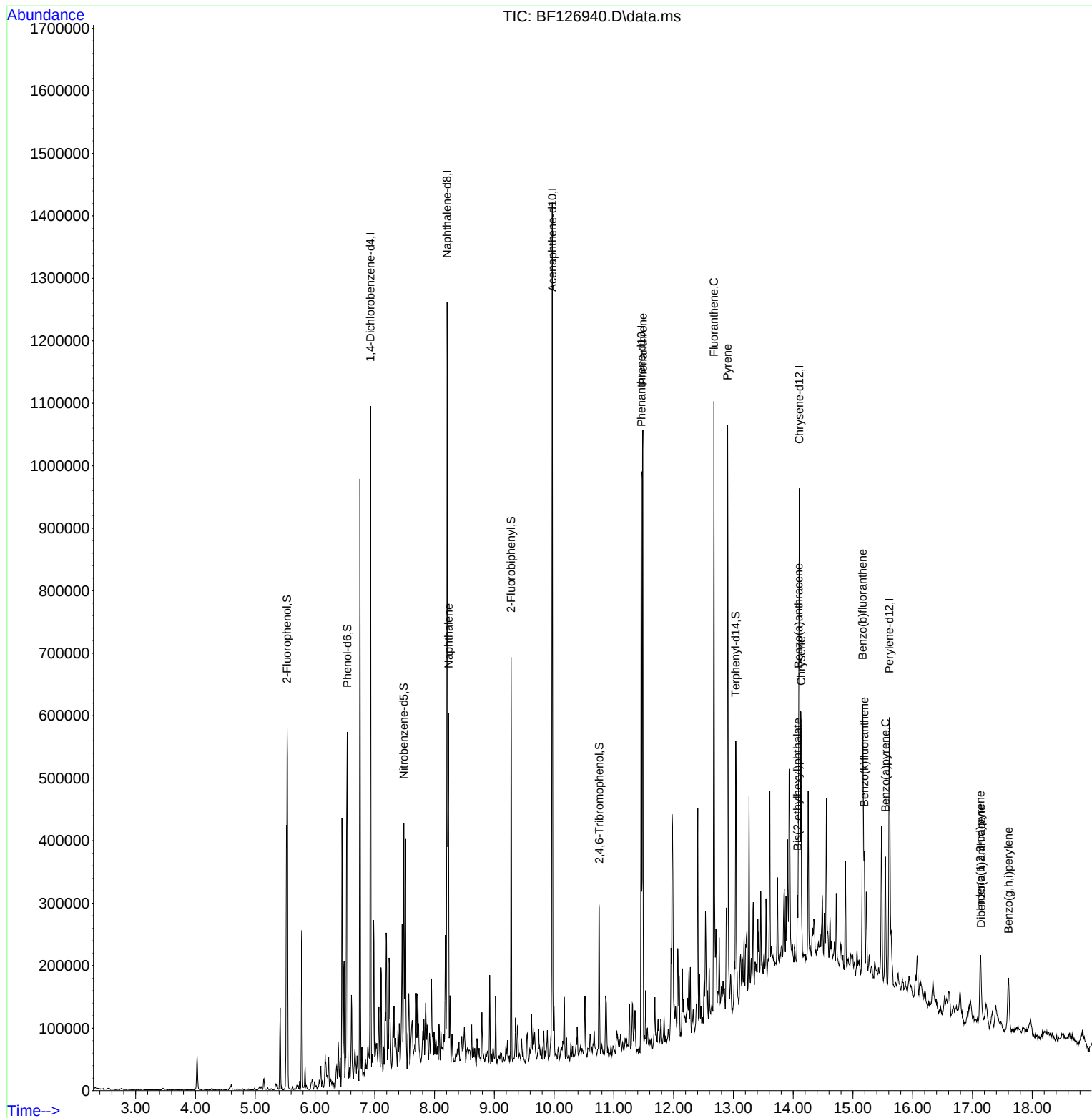
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126940.D
Acq On : 17 Feb 2022 21:42
Operator : CG\JU
Sample : N1556-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

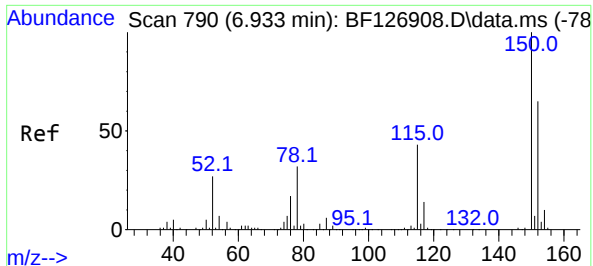
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL

Quant Time: Feb 18 03:46:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 16 14:55:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

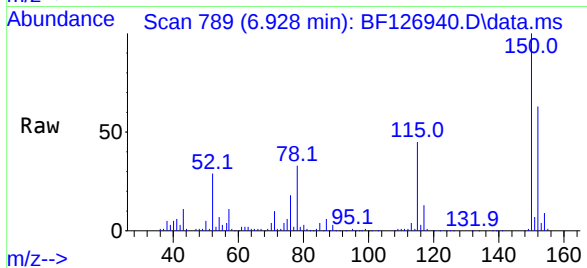
Reviewed By : Christian Giraldo 02/18/2022
Supervised By : Jagrut Upadhyay 02/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

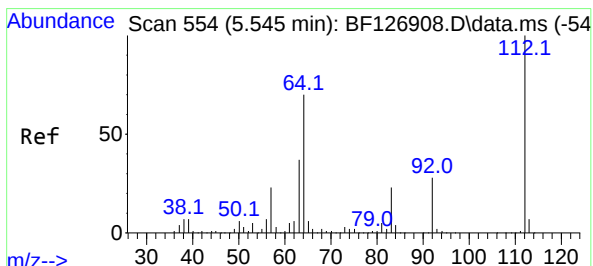
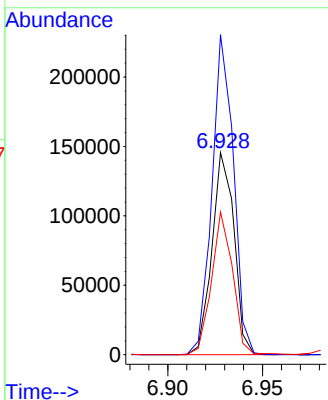
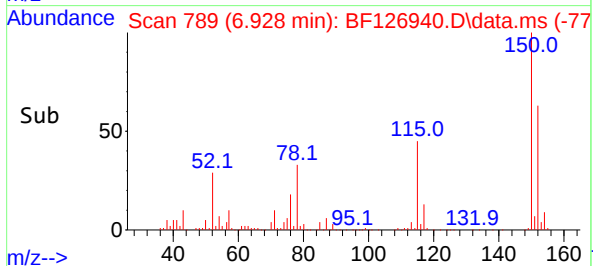
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



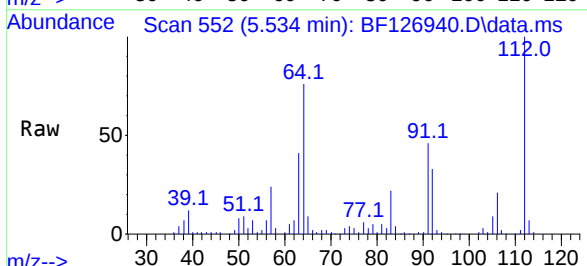
Tgt Ion:152 Resp: 118064
Ion Ratio Lower Upper
152 100
150 158.4 128.1 192.1
115 70.7 56.7 85.1

Manual Integrations
APPROVED

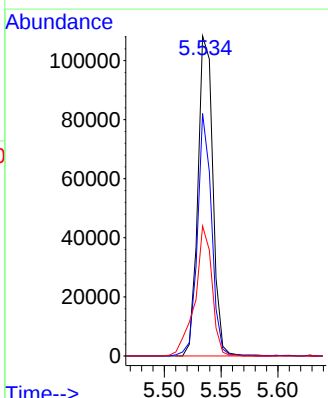
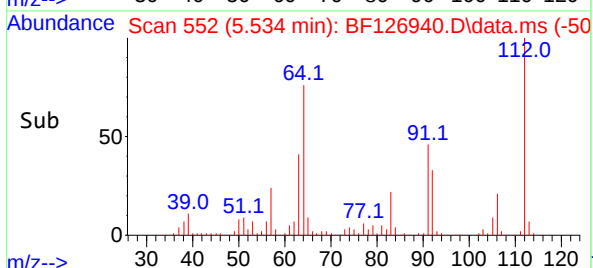
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

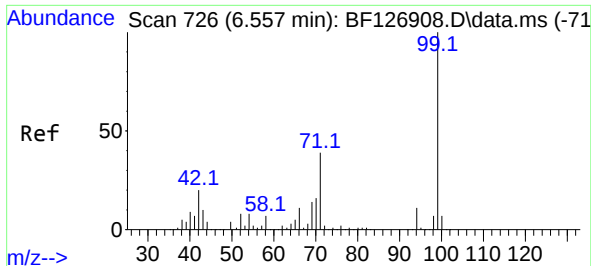


#5
2-Fluorophenol
Concen: 13.023 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.012 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42



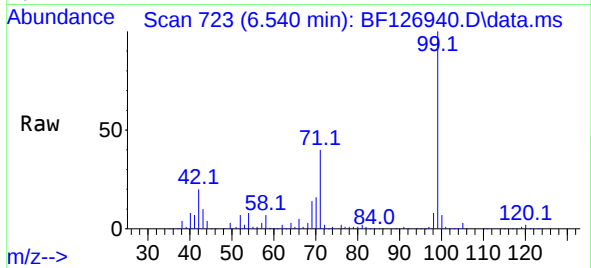
Tgt Ion:112 Resp: 99482
Ion Ratio Lower Upper
112 100
64 75.7 49.5 74.3#
63 40.6 23.9 35.9#





#7
Phenol-d6
Concen: 13.229 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

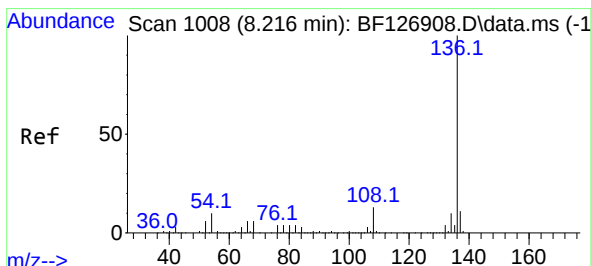
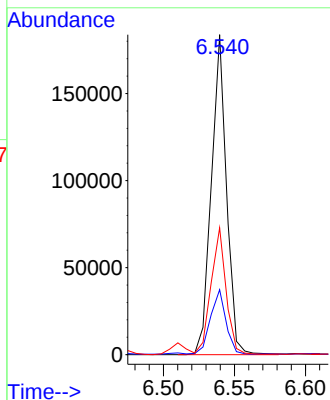
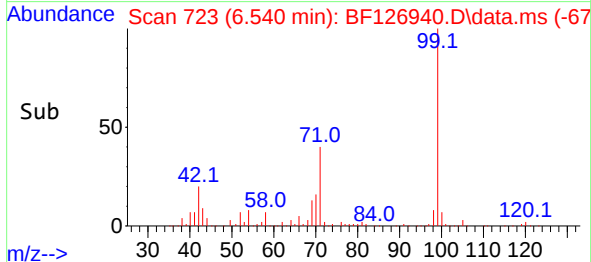
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



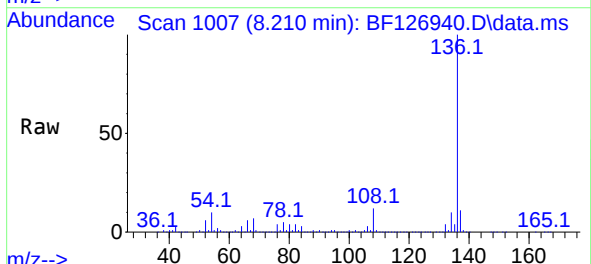
Tgt Ion: 99 Resp: 136354
Ion Ratio Lower Upper
99 100
42 20.3 14.2 21.4
71 39.7 24.3 36.5

Manual Integrations
APPROVED

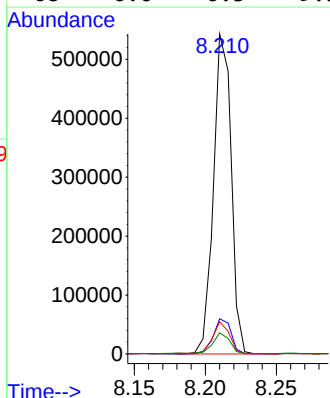
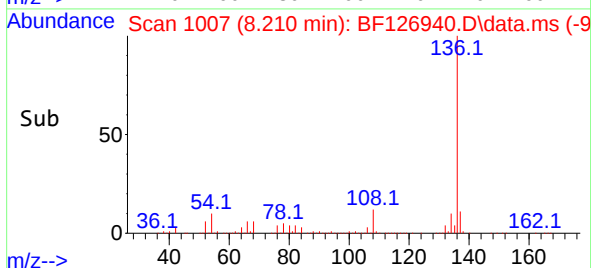
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

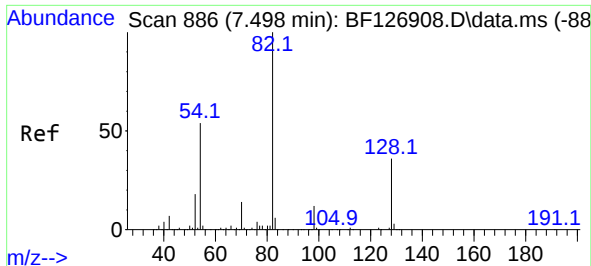


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42



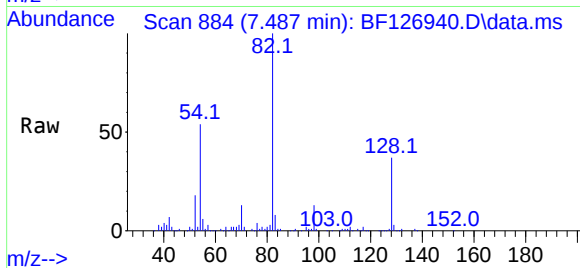
Tgt Ion:136 Resp: 470486
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 7.8 11.6
68 6.6 6.3 9.5





#23
Nitrobenzene-d5
Concen: 9.243 ng
RT: 7.487 min Scan# 88
Delta R.T. -0.012 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

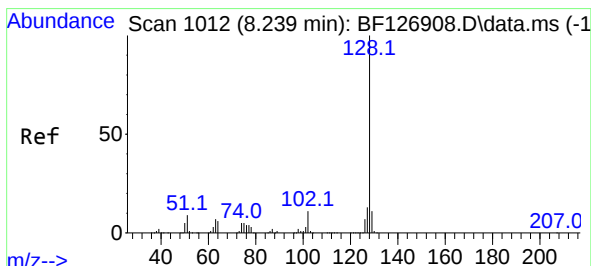
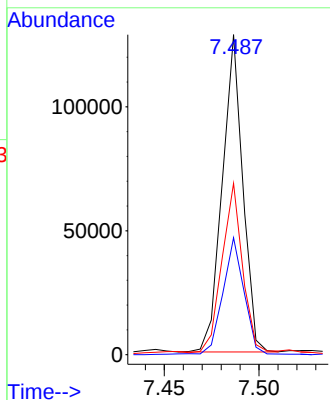
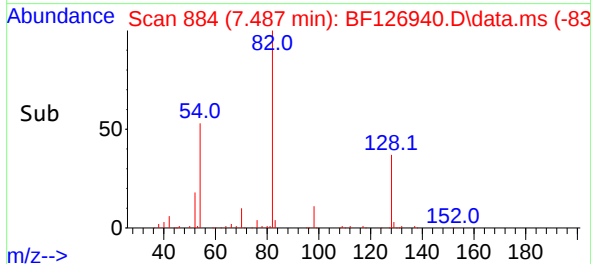
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



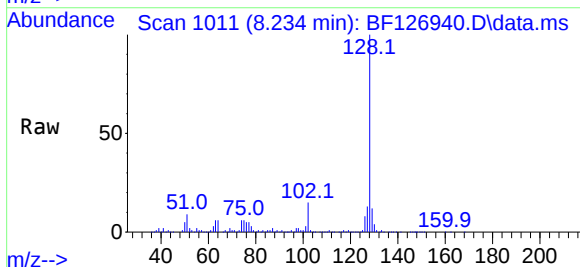
Tgt Ion: 82 Resp: 96339
Ion Ratio Lower Upper
82 100
128 36.6 32.7 49.1
54 53.5 41.7 62.5

Manual Integrations
APPROVED

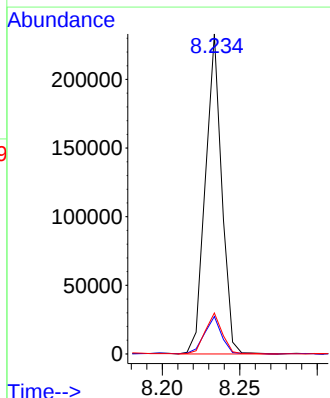
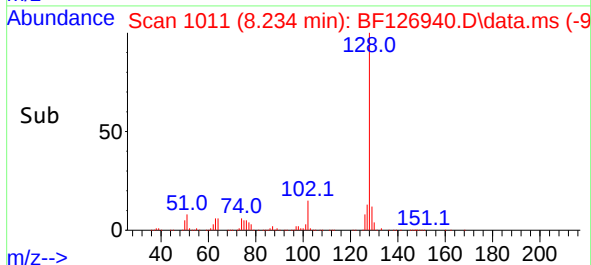
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

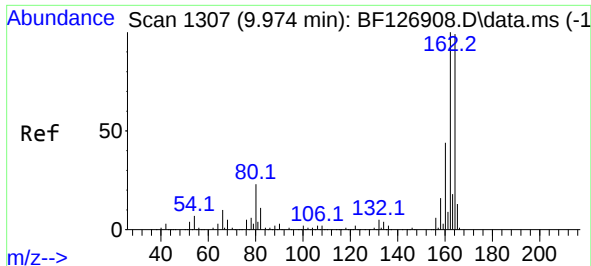


#31
Naphthalene
Concen: 6.965 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42



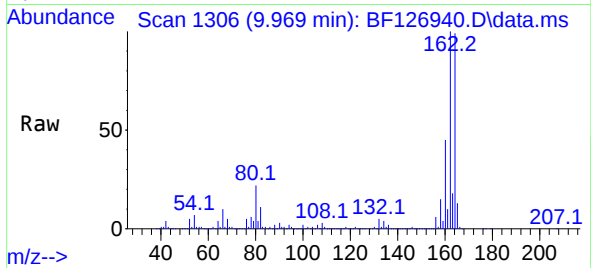
Tgt Ion:128 Resp: 171053
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 12.8 10.3 15.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

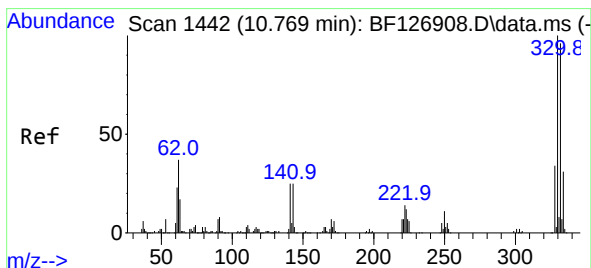
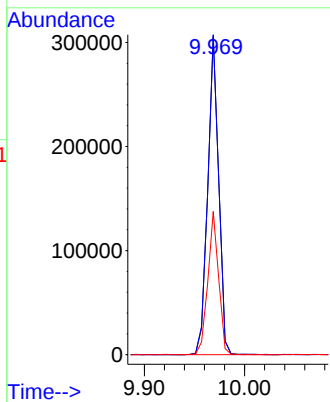
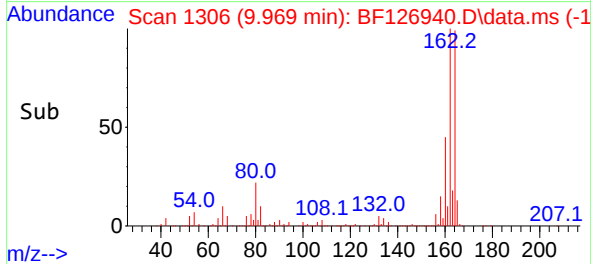
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



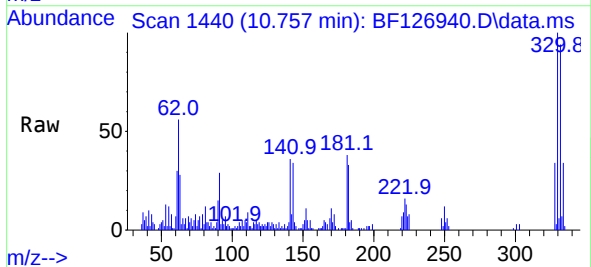
Tgt Ion:164 Resp: 232379
Ion Ratio Lower Upper
164 100
162 100.6 81.4 122.0
160 45.0 36.6 54.8

Manual Integrations
APPROVED

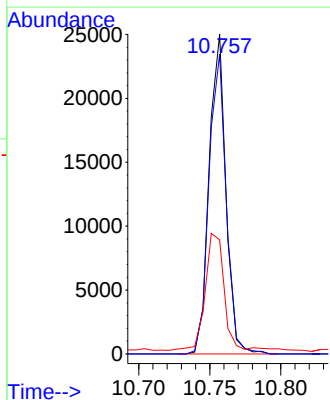
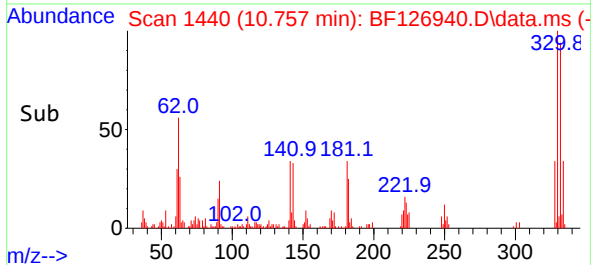
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

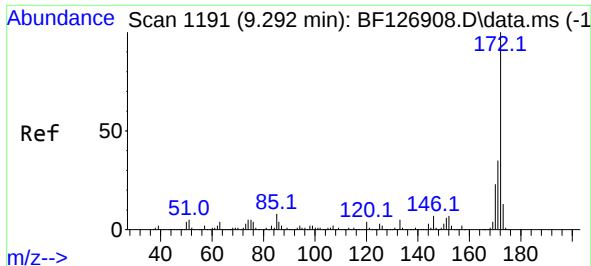


#42
2,4,6-Tribromophenol
Concen: 7.674 ng
RT: 10.757 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42



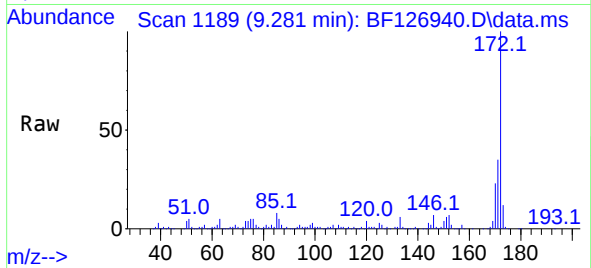
Tgt Ion:330 Resp: 20532
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 43.9 30.1 45.1





#45
2-Fluorobiphenyl
Concen: 10.465 ng
RT: 9.281 min Scan# 1189
Delta R.T. -0.012 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

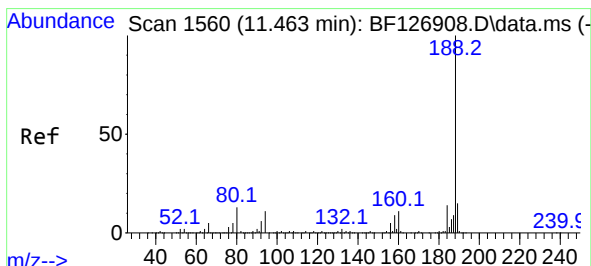
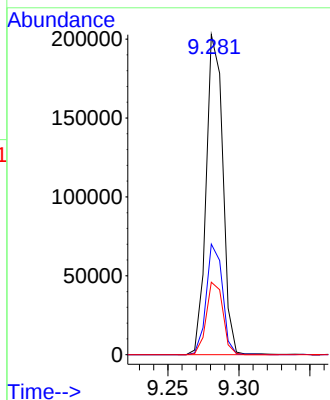
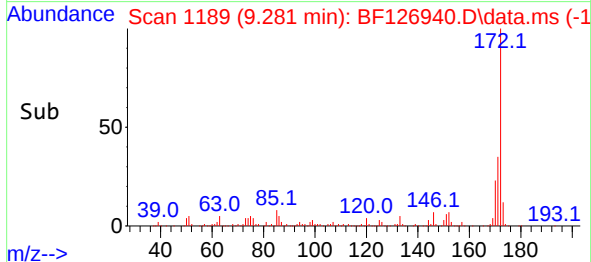
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



Tgt Ion:172 Resp: 165197
Ion Ratio Lower Upper
172 100
171 34.5 28.3 42.5
170 22.6 19.0 28.6

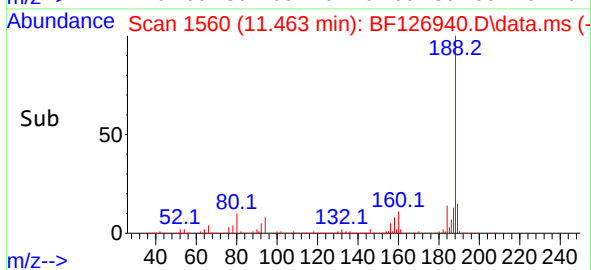
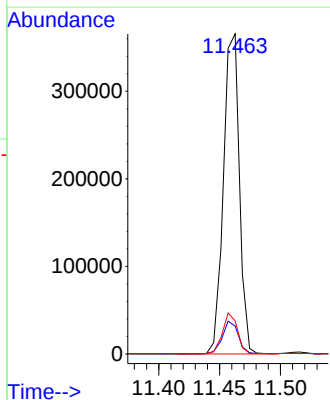
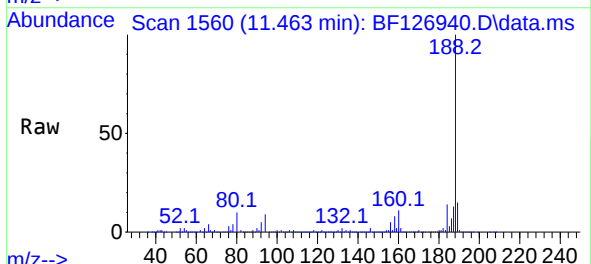
Manual Integrations
APPROVED

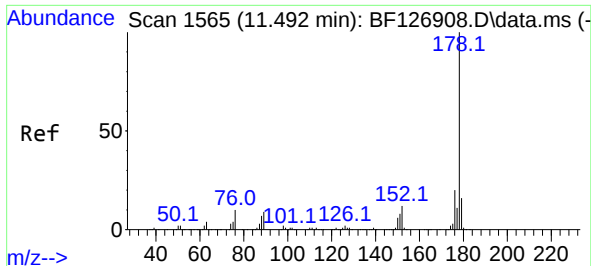
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

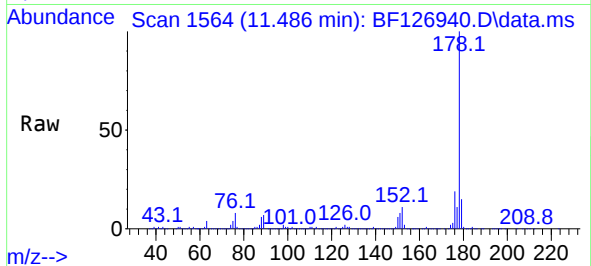
Tgt Ion:188 Resp: 334915
Ion Ratio Lower Upper
188 100
94 8.7 10.1 15.1#
80 10.4 11.8 17.6#





#71
Phenanthrene
Concen: 18.605 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

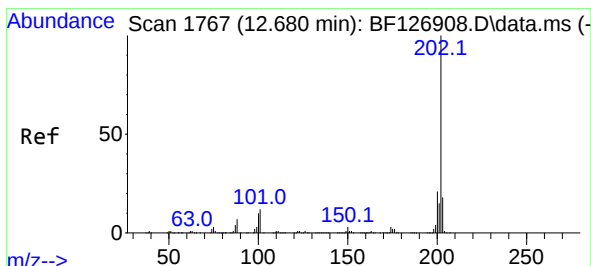
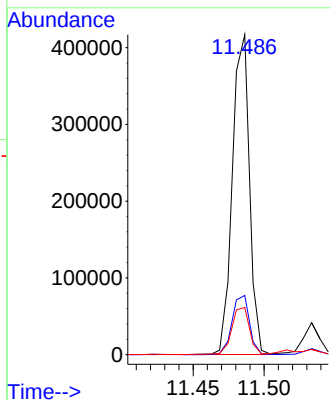
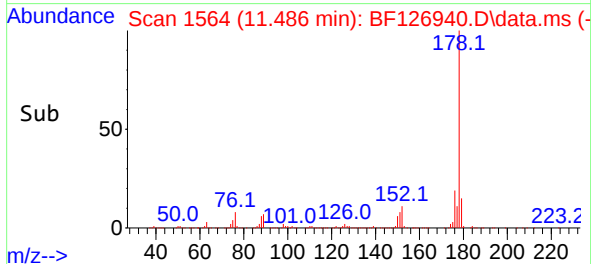
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



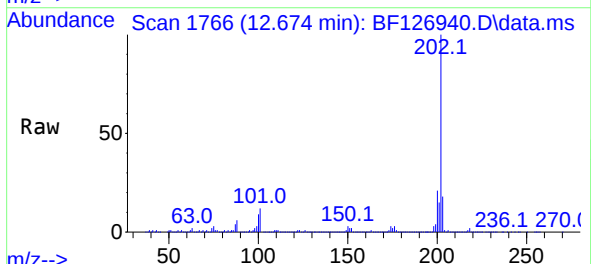
Tgt Ion:178 Resp: 348772
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 14.8 12.3 18.5

Manual Integrations
APPROVED

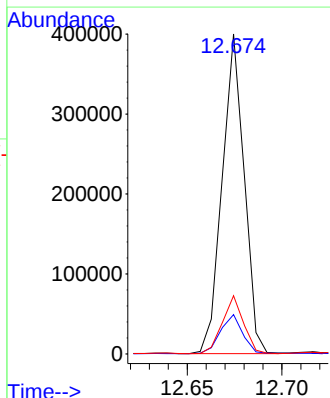
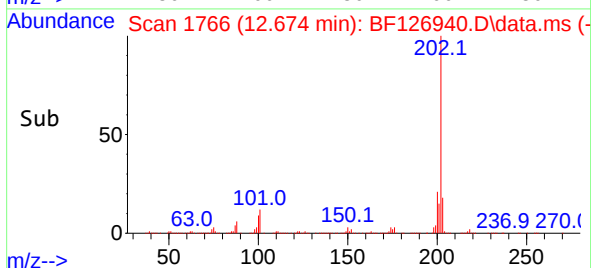
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

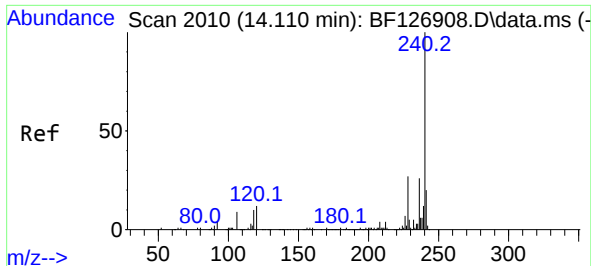


#75
Fluoranthene
Concen: 18.137 ng
RT: 12.674 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42



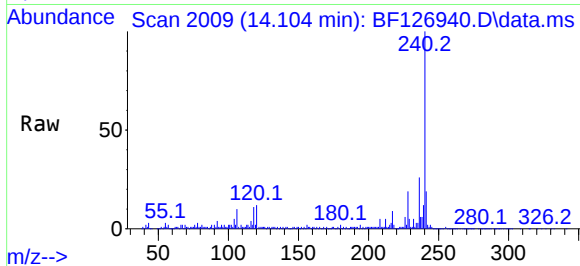
Tgt Ion:202 Resp: 322829
Ion Ratio Lower Upper
202 100
101 12.3 0.0 35.7
203 18.2 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

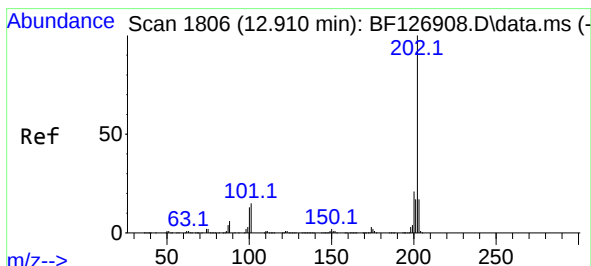
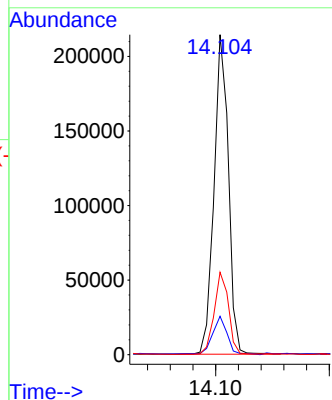
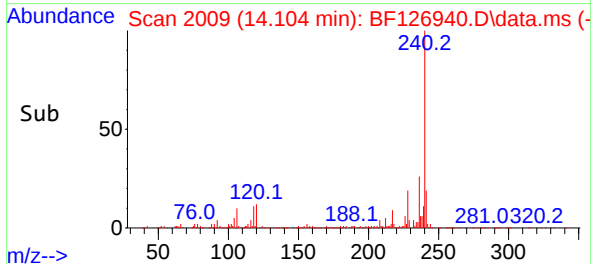
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



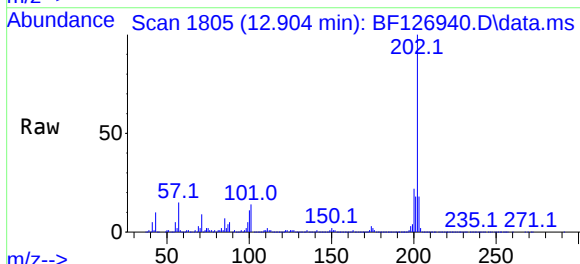
Tgt Ion:240 Resp: 18801
Ion Ratio Lower Upper
240 100
120 12.0 14.4 21.6
236 25.7 20.5 30.7

Manual Integrations
APPROVED

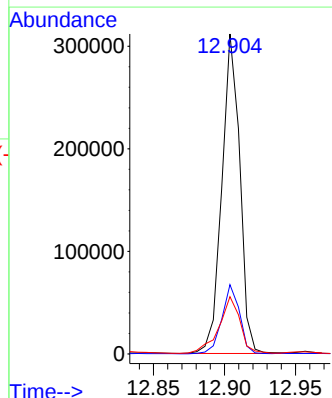
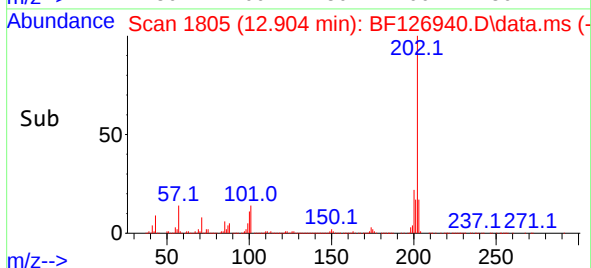
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

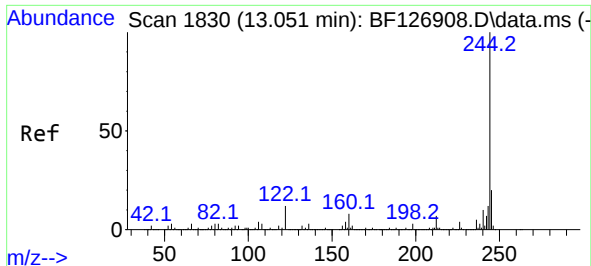


#78
Pyrene
Concen: 16.728 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42



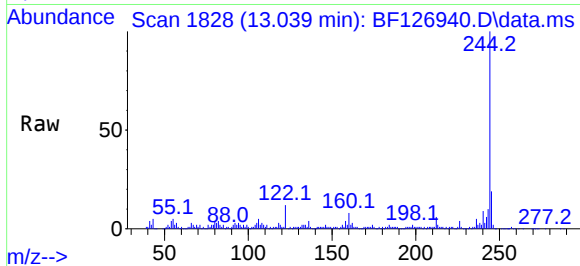
Tgt Ion:202 Resp: 273240
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 17.9 13.8 20.8





#79
 Terphenyl-d14
 Concen: 8.760 ng
 RT: 13.039 min Scan# 112034
 Delta R.T. -0.012 min
 Lab File: BF126940.D
 Acq: 17 Feb 2022 21:42

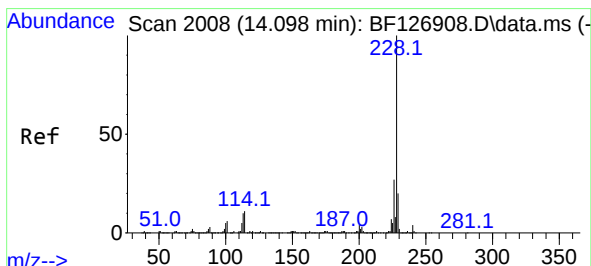
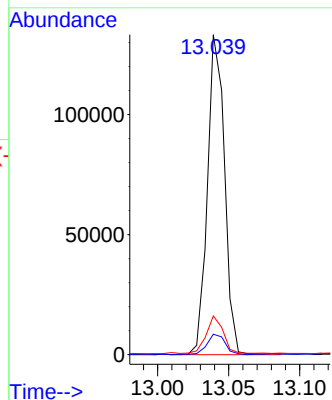
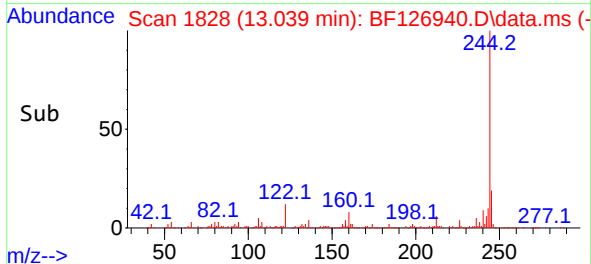
Instrument :
 BNA_F
 ClientSampleId :
 NE-SURFICIAL-SOIL



Tgt Ion:244 Resp: 112034
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 12.1 13.3 19.9

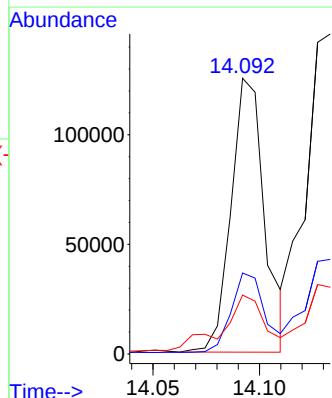
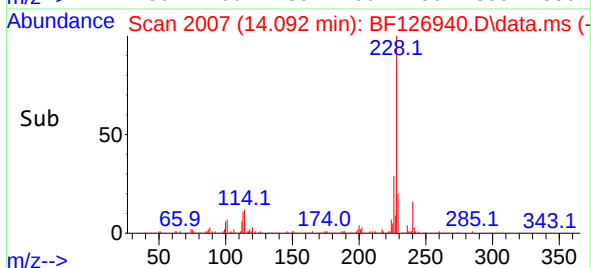
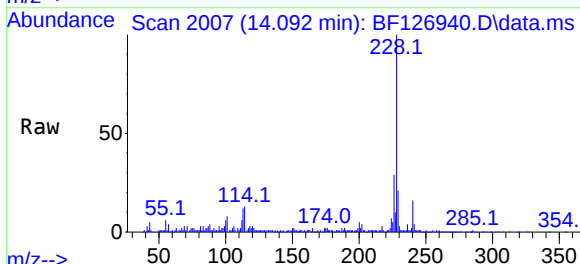
Manual Integrations
 APPROVED

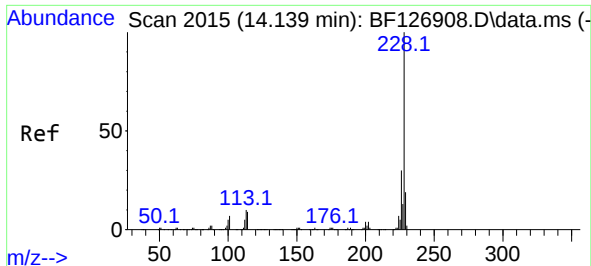
Reviewed By :Christian Giraldo 02/18/2022
 Supervised By :Jagrut Upadhyay 02/18/2022



#81
 Benzo(a)anthracene
 Concen: 10.808 ng
 RT: 14.092 min Scan# 2007
 Delta R.T. -0.006 min
 Lab File: BF126940.D
 Acq: 17 Feb 2022 21:42

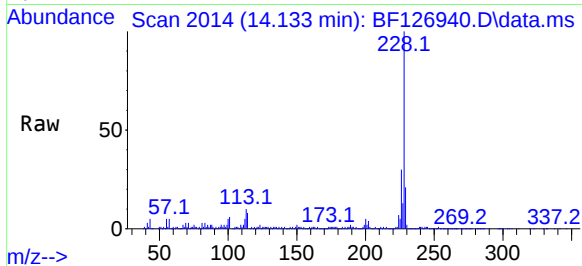
Tgt Ion:228 Resp: 136995
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.4 32.0
 229 21.4 15.4 23.2





#83
Chrysene
Concen: 13.148 ng
RT: 14.133 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

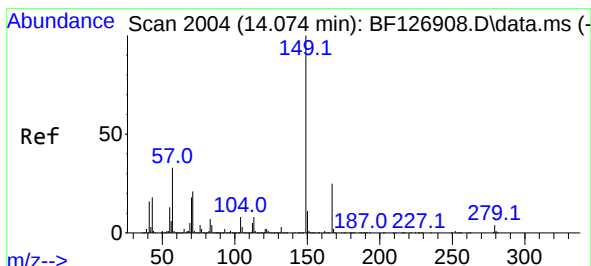
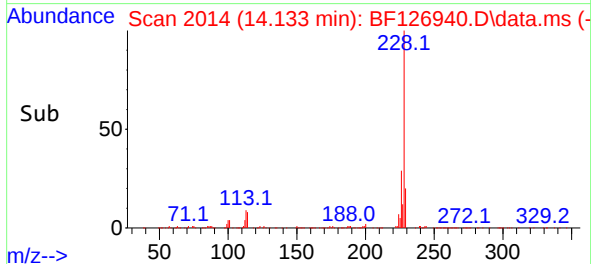
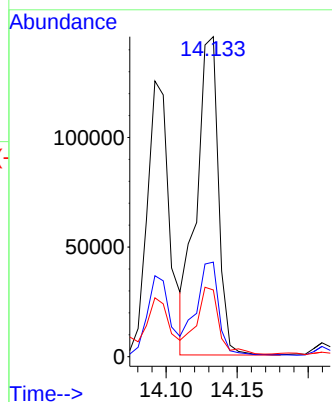
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



Tgt Ion:228 Resp: 156720
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 20.8 15.5 23.3

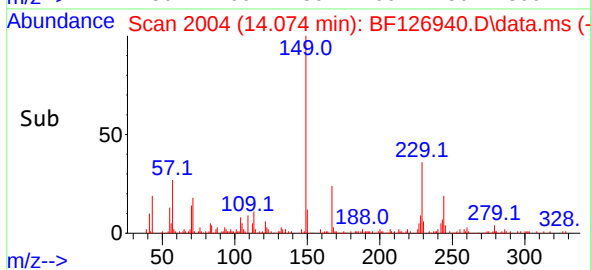
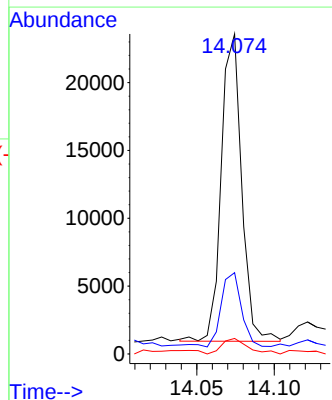
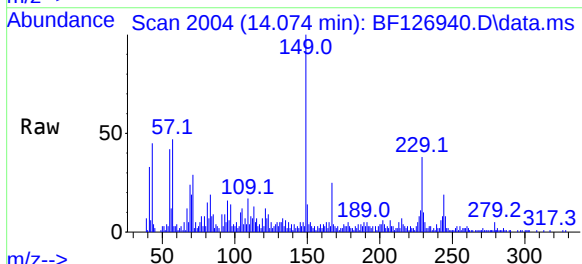
Manual Integrations
APPROVED

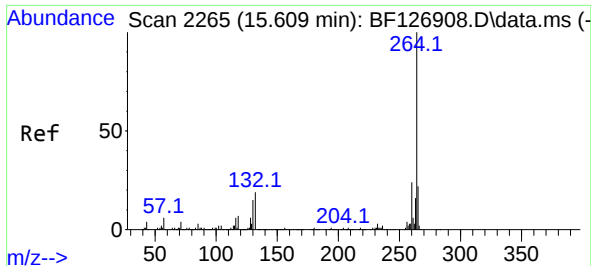
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.045 ng
RT: 14.074 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

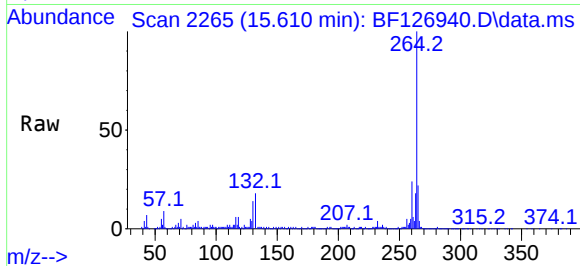
Tgt Ion:149 Resp: 20761
Ion Ratio Lower Upper
149 100
167 25.4 21.4 32.2
279 4.8 2.4 3.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.610 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

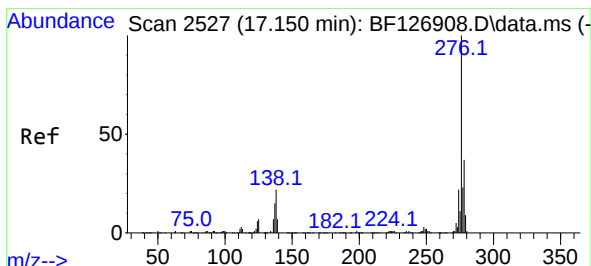
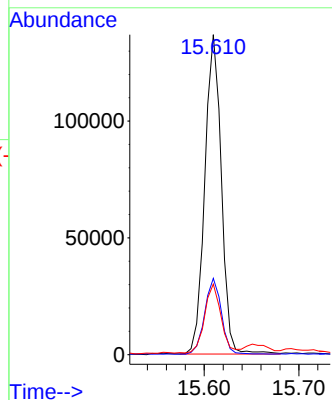
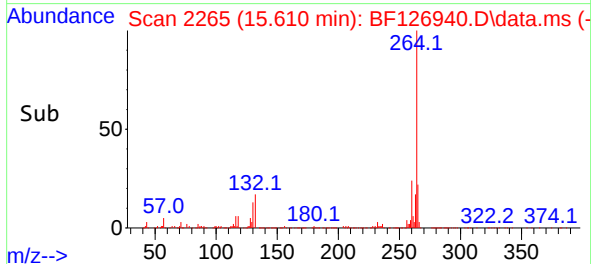
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



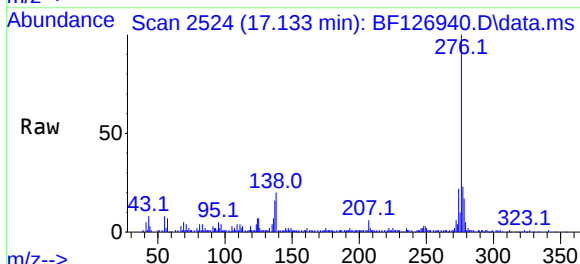
Tgt Ion:264 Resp: 16567
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 22.1 17.4 26.2

Manual Integrations
APPROVED

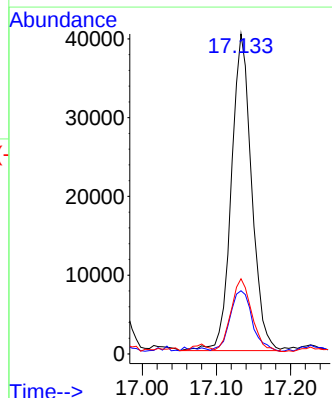
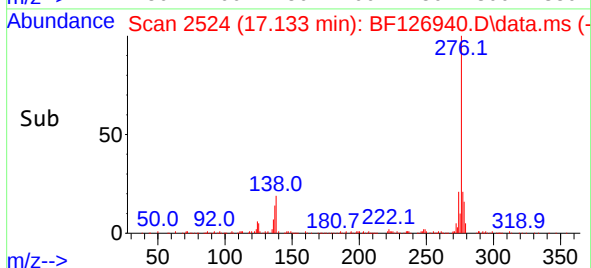
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

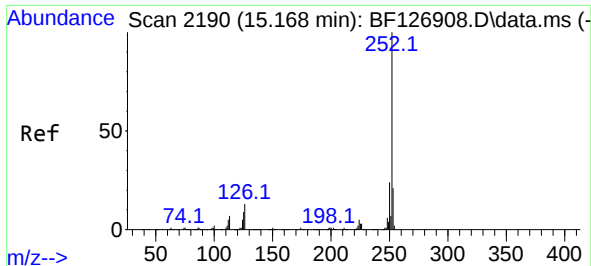


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.009 ng
RT: 17.133 min Scan# 2524
Delta R.T. -0.017 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42



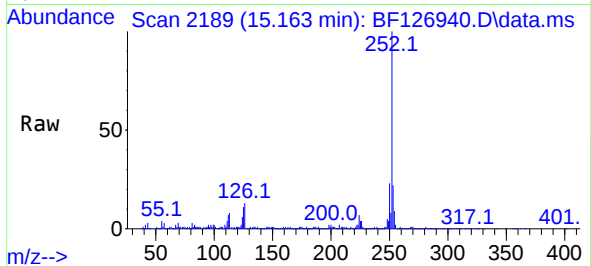
Tgt Ion:276 Resp: 76140
Ion Ratio Lower Upper
276 100
138 21.2 29.2 43.8#
277 23.6 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 20.016 ng m
RT: 15.163 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

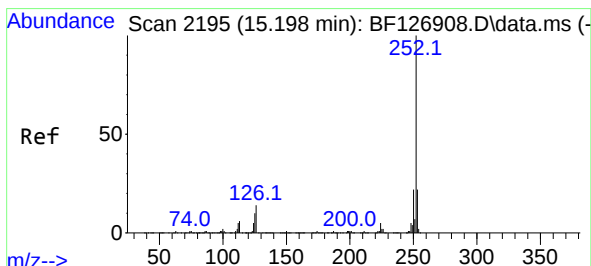
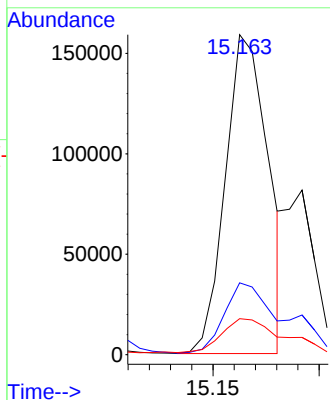
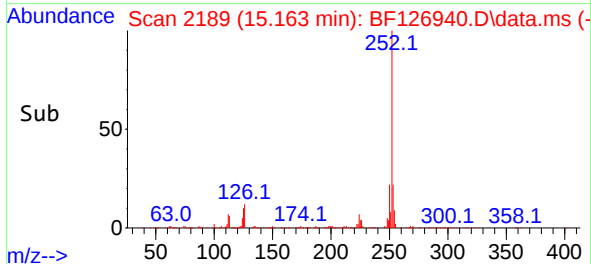
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



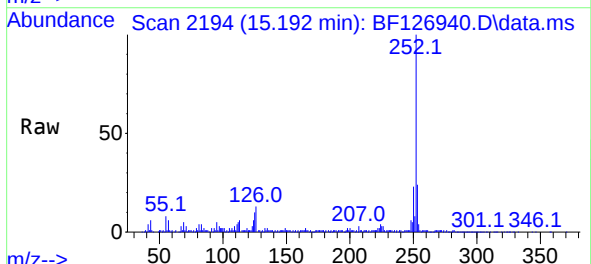
Tgt Ion:252 Resp: 22272
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 11.3 12.4 18.6

Manual Integrations
APPROVED

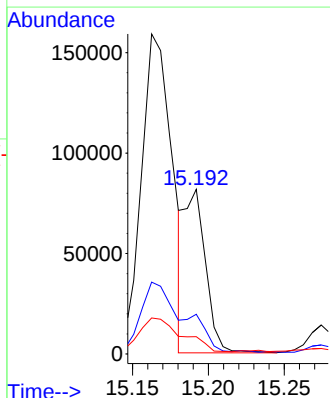
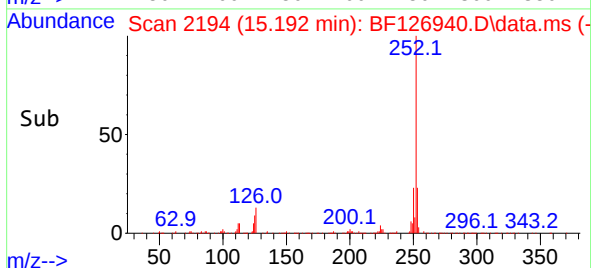
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

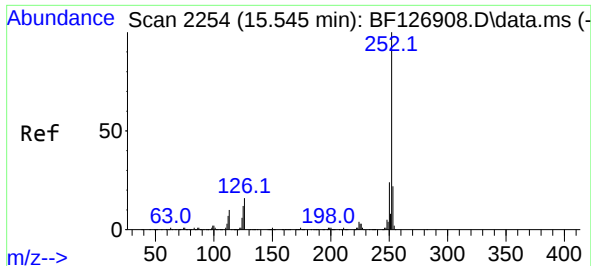


#89
Benzo(k)fluoranthene
Concen: 7.207 ng m
RT: 15.192 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42



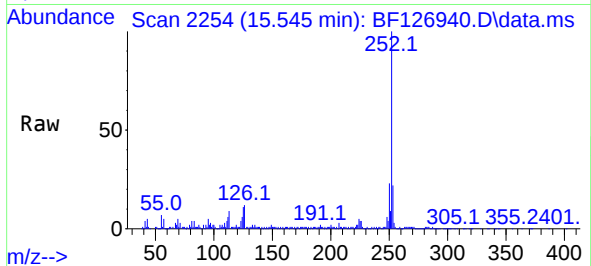
Tgt Ion:252 Resp: 77351
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 10.5 11.8 17.6#





#90
Benzo(a)pyrene
Concen: 11.031 ng m
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

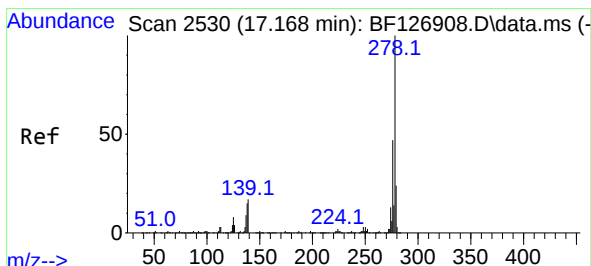
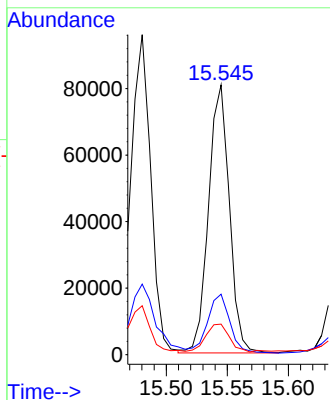
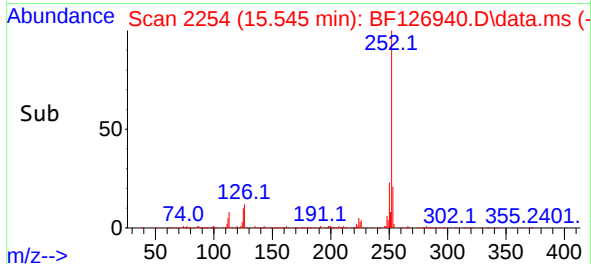
Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



Tgt Ion:252 Resp: 95874
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 11.3 13.0 19.6

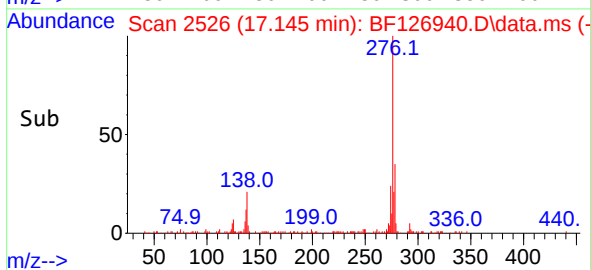
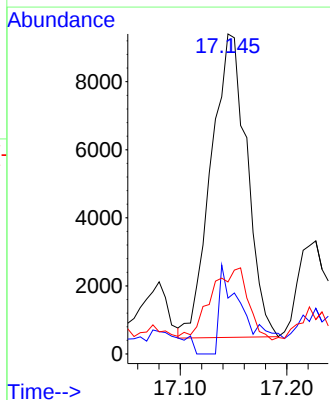
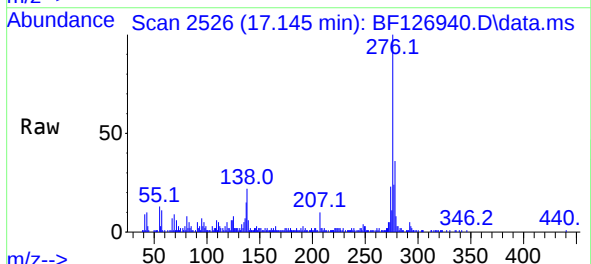
Manual Integrations
APPROVED

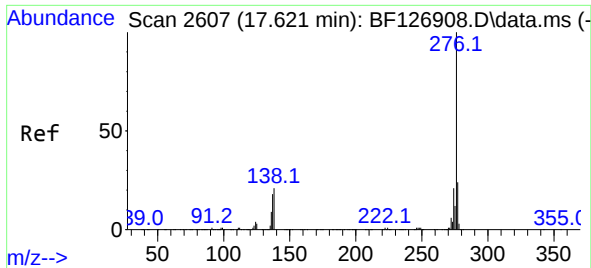
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.311 ng
RT: 17.145 min Scan# 2526
Delta R.T. -0.023 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

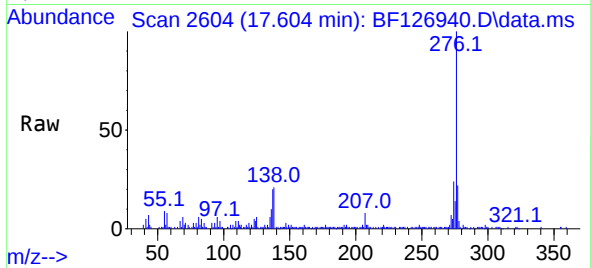
Tgt Ion:278 Resp: 20766
Ion Ratio Lower Upper
278 100
139 17.4 18.0 27.0#
279 22.5 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 7.653 ng
RT: 17.604 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF126940.D
Acq: 17 Feb 2022 21:42

Instrument :
BNA_F
ClientSampleId :
NE-SURFICIAL-SOIL



Tgt Ion:276 Resp: 6778
Ion Ratio Lower Upper
276 100
277 22.1 18.5 27.7
138 21.5 25.9 38.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

