

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
 Data File : BG059846.D
 Acq On : 23 Nov 2023 10:37
 Operator : MA/JU
 Sample : 05445-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3-1115

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/25/2023
 Supervised By :mohammad ahmed 11/25/2023

Quant Time: Nov 24 00:19:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.336	152	27030	20.000	ng	0.00
21) Naphthalene-d8	11.174	136	125038	20.000	ng	#-0.02
39) Acenaphthene-d10	14.958	164	105013	20.000	ng	-0.01
64) Phenanthrene-d10	17.713	188	208890	20.000	ng	0.00
76) Chrysene-d12	22.038	240	166665	20.000	ng	-0.01
86) Perylene-d12	25.628	264	198100	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.827	112	104915	65.330	ng	0.00
7) Phenol-d6	7.455	99	164999	69.332	ng	0.00
23) Nitrobenzene-d5	9.529	82	166628	50.895	ng	-0.01
42) 2,4,6-Tribromophenol	16.450	330	99962	83.896	ng	0.00
45) 2-Fluorobiphenyl	13.583	172	365541	46.855	ng	-0.01
79) Terphenyl-d14	20.287	244	529135	46.869	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.754	178	158206	14.896	ng	97
72) Anthracene	17.848	178	33663m	3.051	ng	
75) Fluoranthene	19.752	202	209754	16.469	ng	99
78) Pyrene	20.110	202	184462	16.267	ng	98
81) Benzo(a)anthracene	22.014	228	96607	8.472	ng	96
83) Chrysene	22.096	228	87620m	8.382	ng	
87) Indeno(1,2,3-cd)pyrene	29.764	276	66542	4.439	ng	# 96
88) Benzo(b)fluoranthene	24.464	252	115543	10.642	ng	# 96
89) Benzo(k)fluoranthene	24.535	252	32603	3.037	ng	96
90) Benzo(a)pyrene	25.451	252	88550	7.642	ng	# 81
92) Benzo(g,h,i)perylene	31.103	276	60299m	5.011	ng	

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

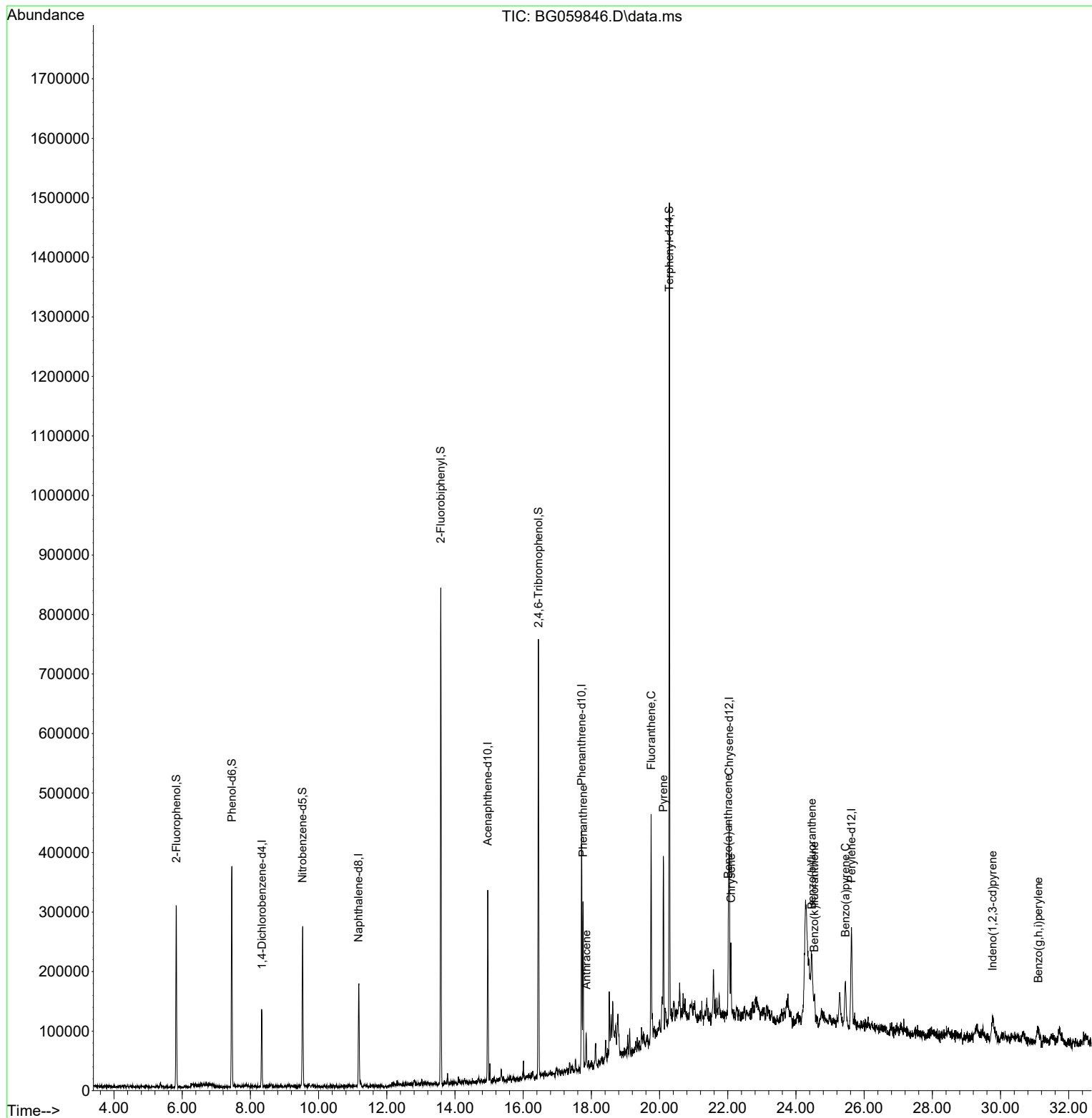
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

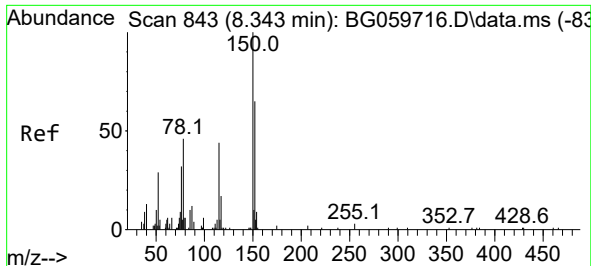
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

Quant Time: Nov 24 00:19:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023





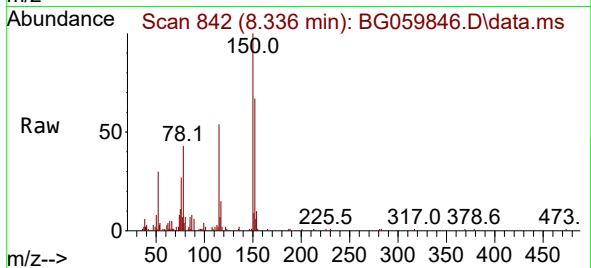
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.336 min Scan# 843
Delta R.T. -0.007 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

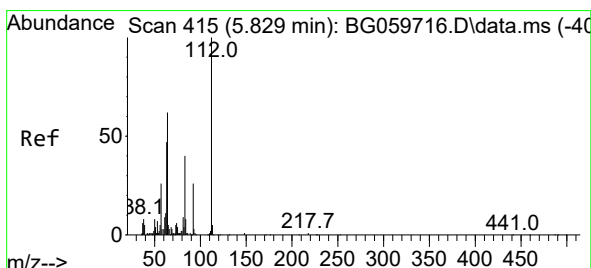
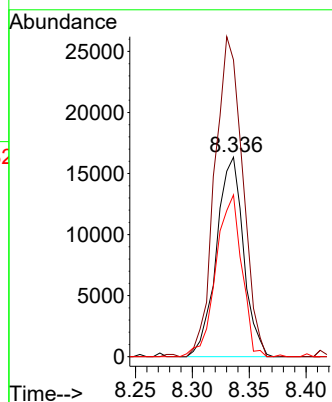
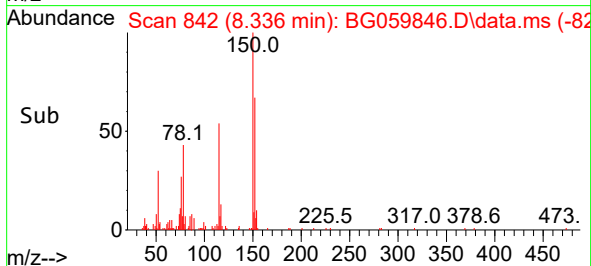


Tgt Ion:152 Resp: 27030
Ion Ratio Lower Upper
152 100
150 148.7 122.2 183.4
115 81.0 54.2 81.4

Manual Integrations

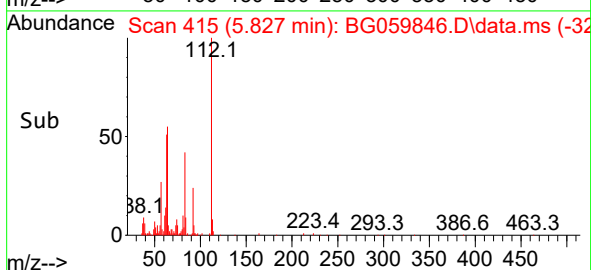
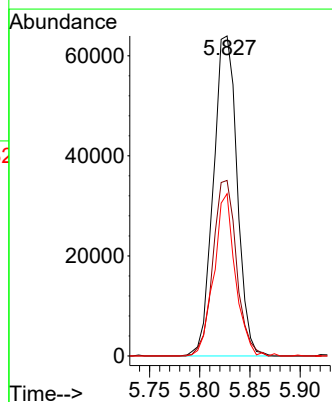
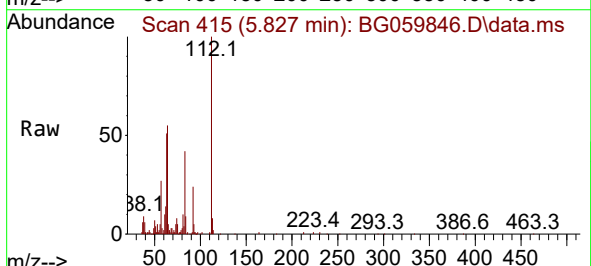
APPROVED

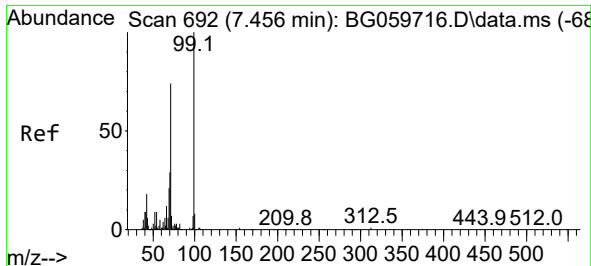
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#5
2-Fluorophenol
Concen: 65.330 ng
RT: 5.827 min Scan# 415
Delta R.T. -0.001 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

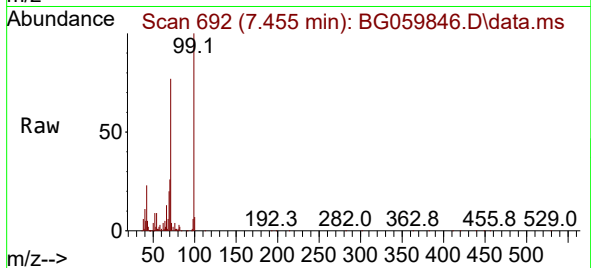
Tgt Ion:112 Resp: 104915
Ion Ratio Lower Upper
112 100
64 54.9 49.5 74.3
63 50.7 37.4 56.2





#7
Phenol-d6
Concen: 69.332 ng
RT: 7.455 min Scan# 692
Delta R.T. -0.001 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

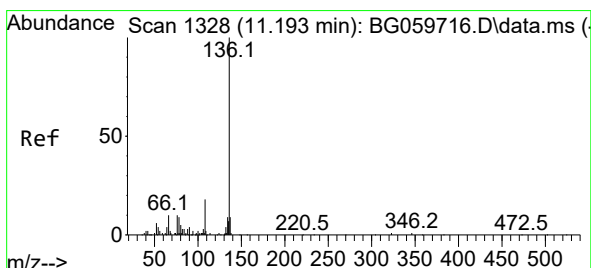
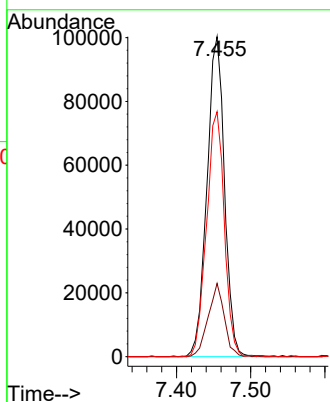
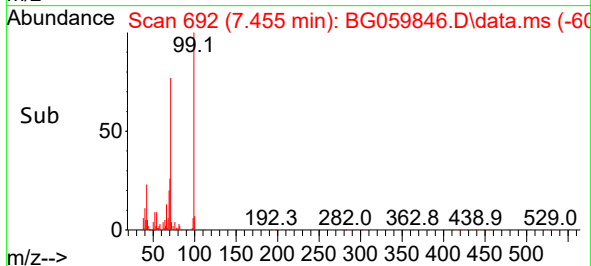
Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115



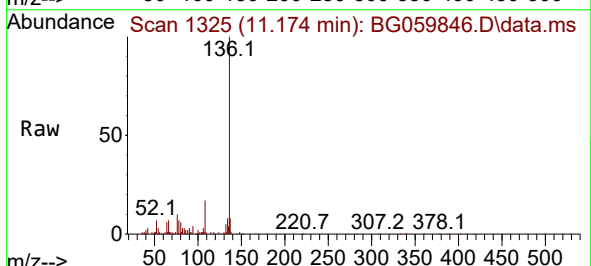
Tgt Ion: 99 Resp: 164999
Ion Ratio Lower Upper
99 100
42 22.9 14.3 21.5
71 76.5 59.3 88.9

Manual Integrations
APPROVED

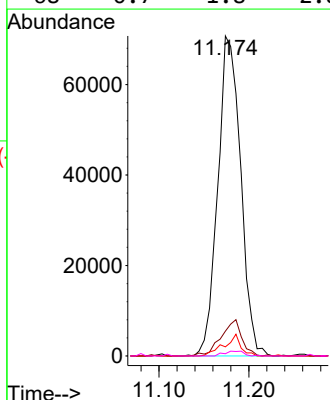
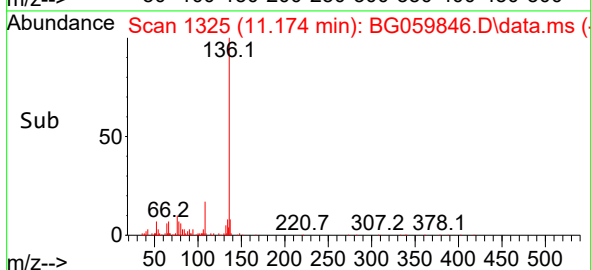
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023

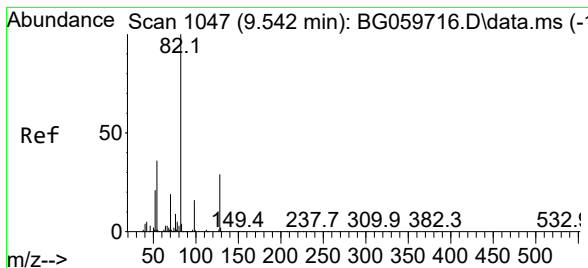


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.174 min Scan# 1325
Delta R.T. -0.019 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37



Tgt Ion:136 Resp: 125038
Ion Ratio Lower Upper
136 100
137 7.7 7.4 11.0
54 2.9 3.1 4.7#
68 0.7 1.8 2.8#





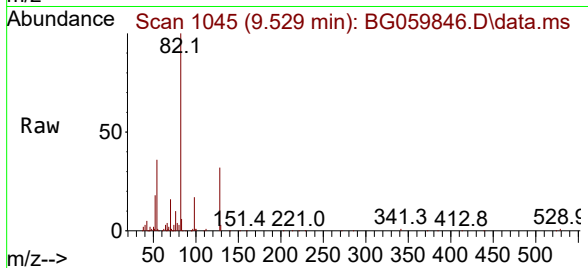
#23
Nitrobenzene-d5
Concen: 50.895 ng
RT: 9.529 min Scan# 1045
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115



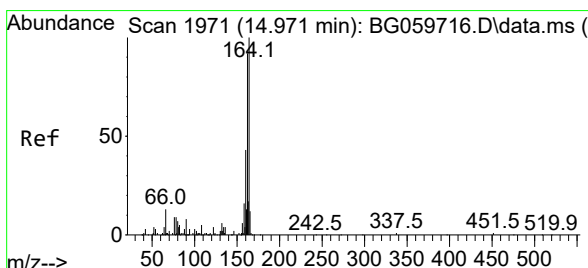
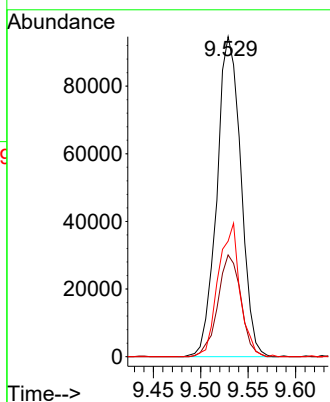
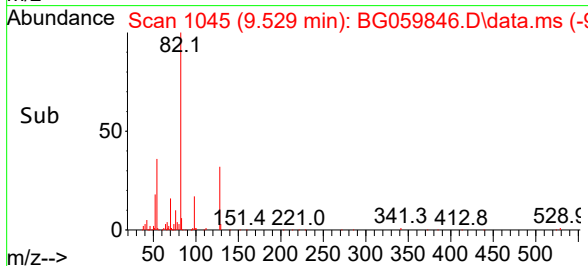
Tgt Ion: 82 Resp: 166628
Ion Ratio Lower Upper
82 100
128 31.8 23.0 34.6
54 36.1 28.7 43.1

Manual Integrations

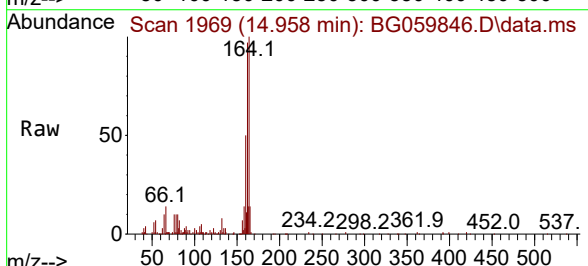
APPROVED

Reviewed By :Yogesh Patel 11/25/2023

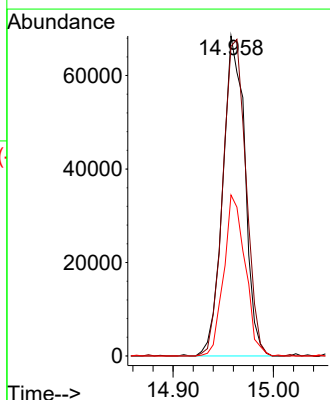
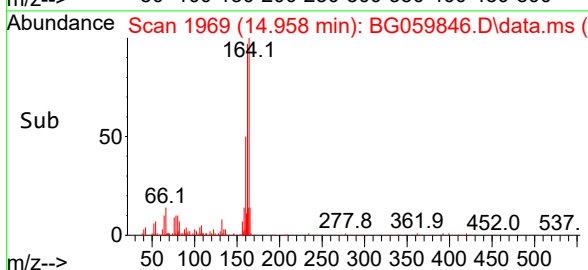
Supervised By :mohammad ahmed 11/25/2023

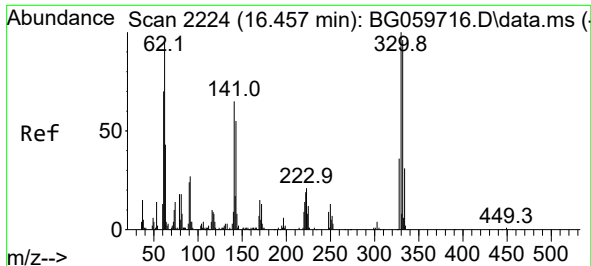


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.958 min Scan# 1969
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37



Tgt Ion:164 Resp: 105013
Ion Ratio Lower Upper
164 100
162 96.7 73.3 109.9
160 50.3 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 83.896 ng
RT: 16.450 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

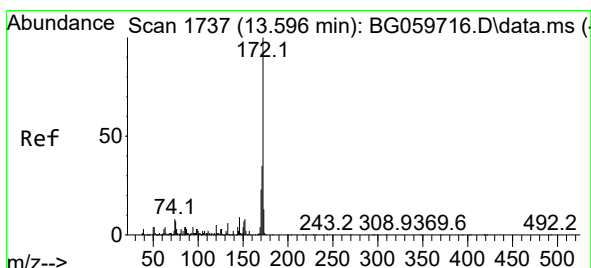
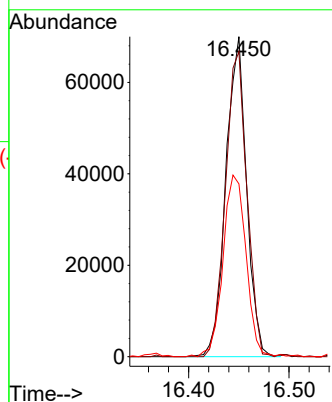
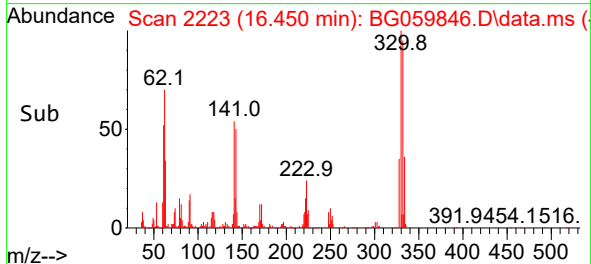
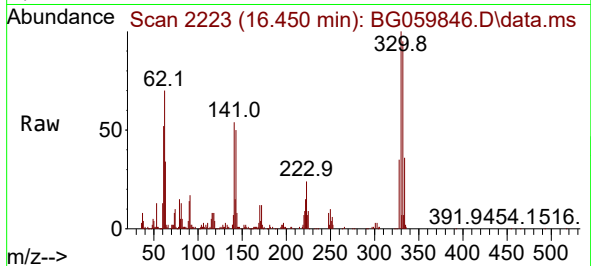
ClientSampleId :

SOIL-3-1115

Tgt Ion:330 Resp: 99962
Ion Ratio Lower Upper
330 100
332 99.1 73.3 109.9
141 63.5 52.1 78.1

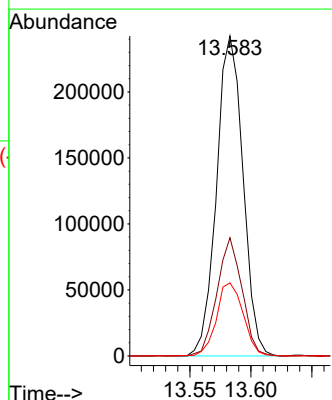
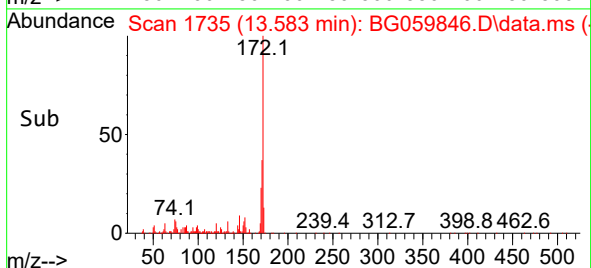
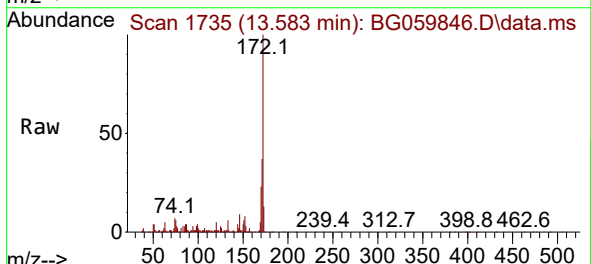
Manual Integrations
APPROVED

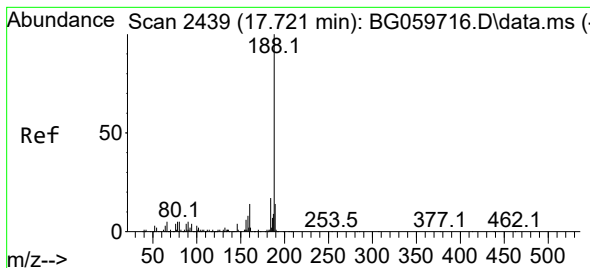
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#45
2-Fluorobiphenyl
Concen: 46.855 ng
RT: 13.583 min Scan# 1735
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:172 Resp: 365541
Ion Ratio Lower Upper
172 100
171 37.0 27.7 41.5
170 22.9 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.713 min Scan# 2438
Delta R.T. -0.007 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

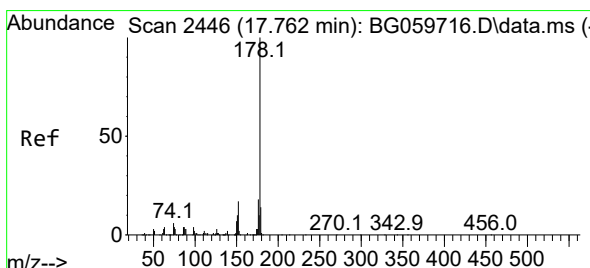
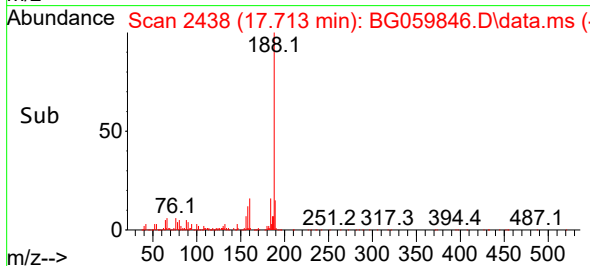
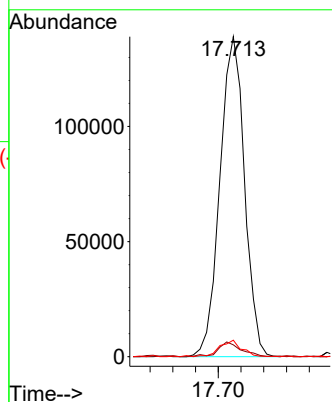
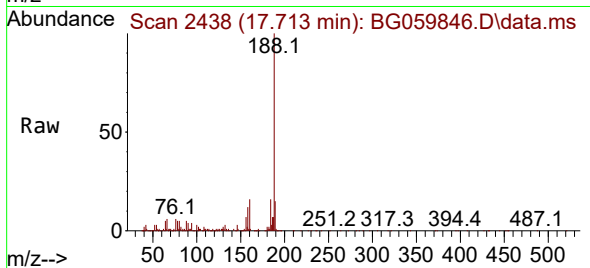
ClientSampleId :

SOIL-3-1115

Tgt Ion:188 Resp: 208890
Ion Ratio Lower Upper
188 100
94 3.7 3.0 4.4
80 5.1 4.2 6.4

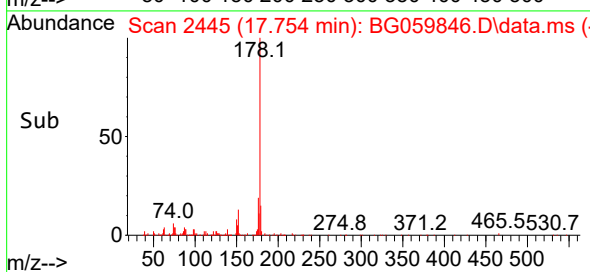
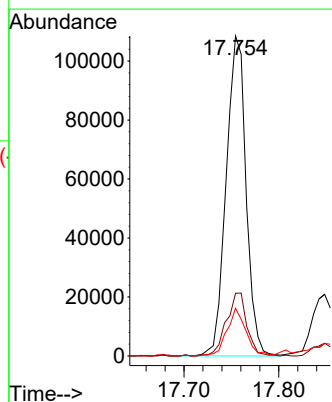
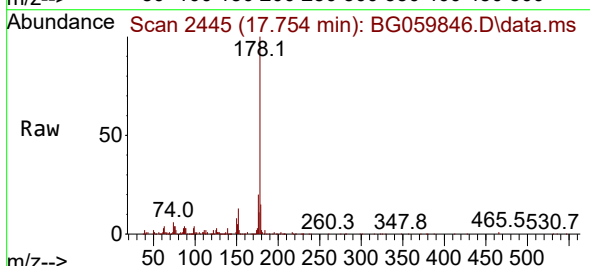
Manual Integrations
APPROVED

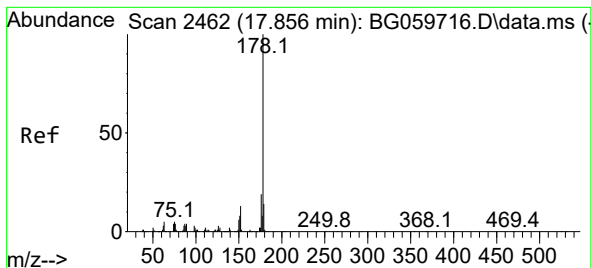
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#71
Phenanthrene
Concen: 14.896 ng
RT: 17.754 min Scan# 2445
Delta R.T. -0.007 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:178 Resp: 158206
Ion Ratio Lower Upper
178 100
176 19.6 14.5 21.7
179 14.9 11.2 16.8





#72

Anthracene

Concen: 3.051 ng m

RT: 17.848 min Scan# 2462

Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

Tgt Ion:178 Resp: 3366

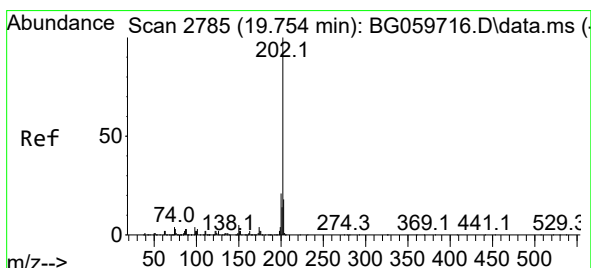
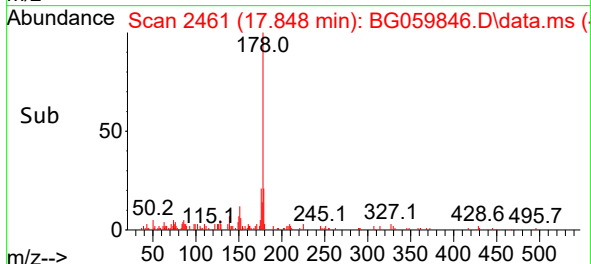
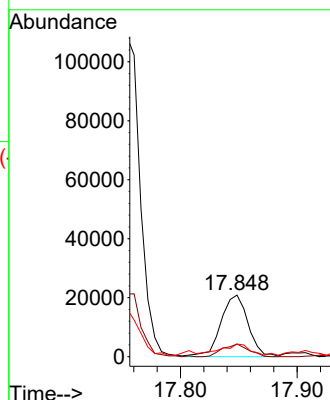
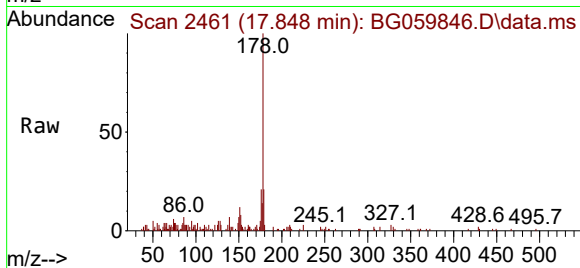
Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.0	22.4
179	20.6	11.5	17.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/25/2023



#75

Fluoranthene

Concen: 16.469 ng

RT: 19.752 min Scan# 2785

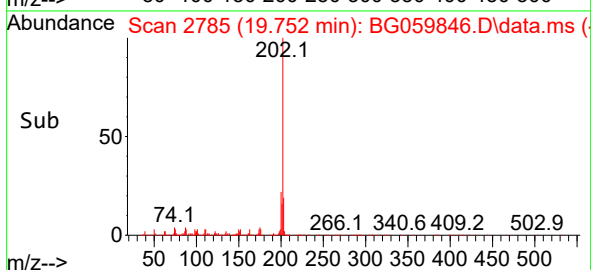
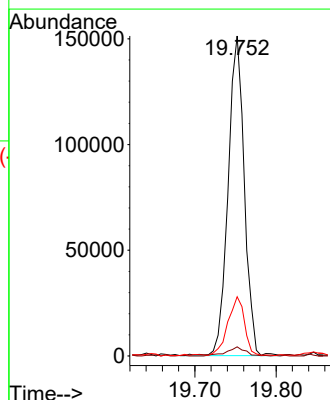
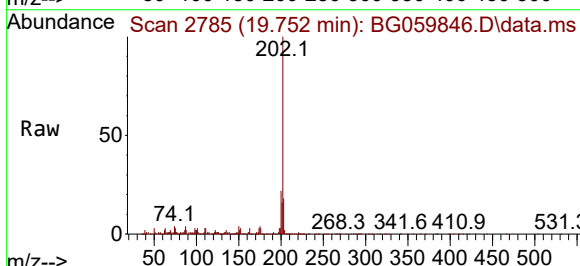
Delta R.T. -0.001 min

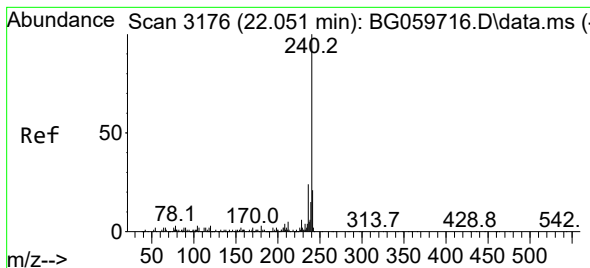
Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Tgt Ion:202 Resp: 209754

Ion	Ratio	Lower	Upper
202	100		
101	2.9	0.0	22.7
203	18.5	0.0	38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.038 min Scan# 3176

Delta R.T. -0.013 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

Tgt Ion:240 Resp: 16666

Ion Ratio Lower Upper

240 100

120 2.7 2.2 3.2

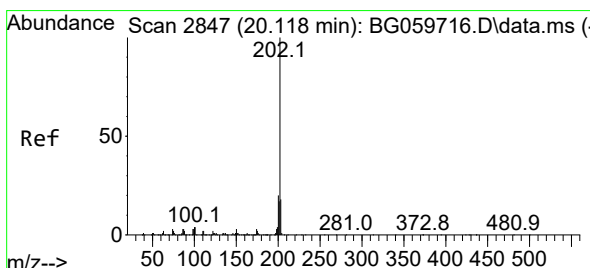
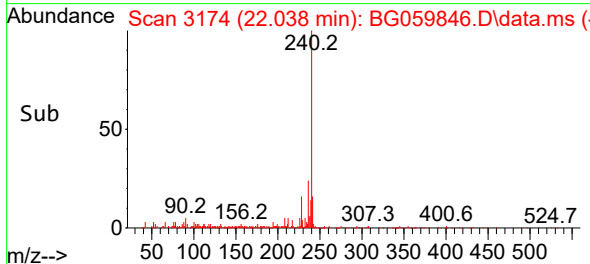
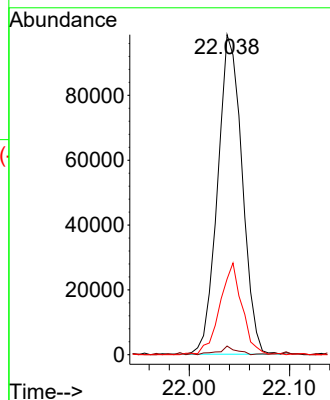
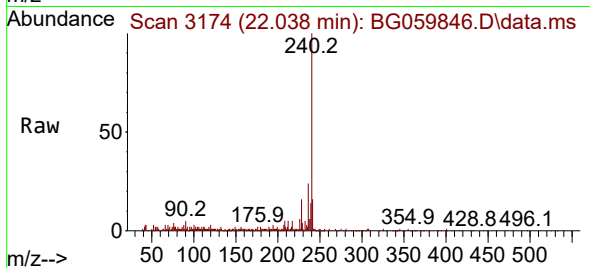
236 23.6 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/25/2023



#78

Pyrene

Concen: 16.267 ng

RT: 20.110 min Scan# 2846

Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

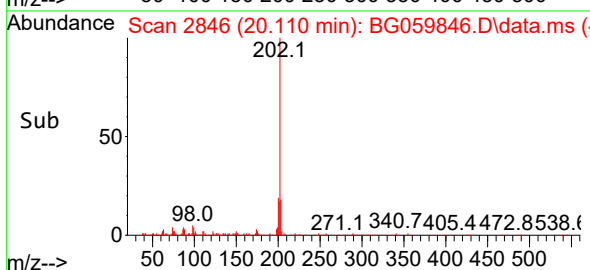
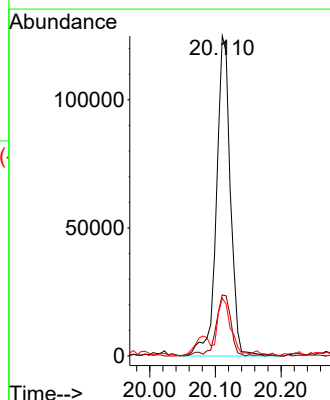
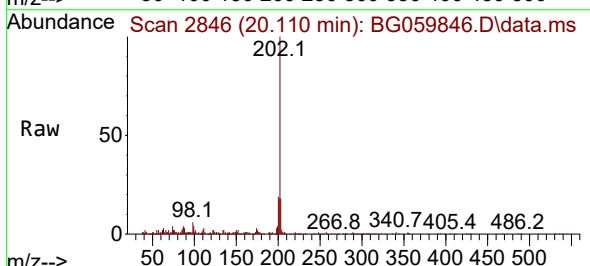
Tgt Ion:202 Resp: 184462

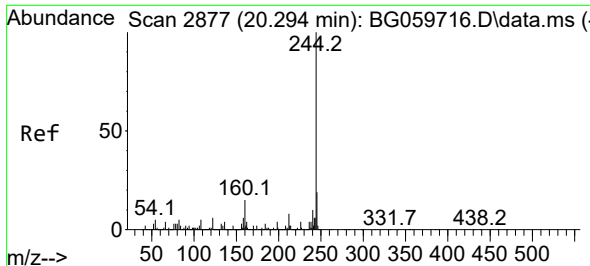
Ion Ratio Lower Upper

202 100

200 19.0 16.2 24.4

203 18.0 14.0 21.0





#79
Terphenyl-d14
Concen: 46.869 ng
RT: 20.287 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

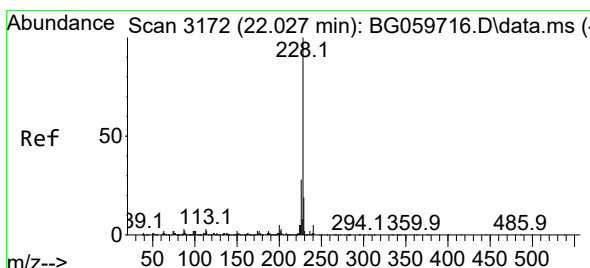
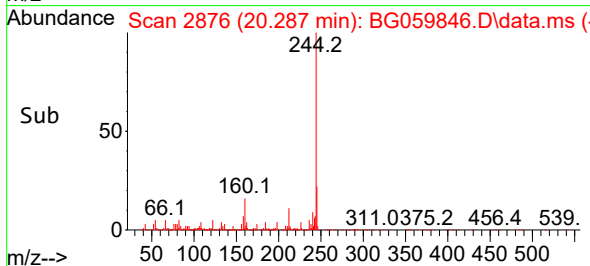
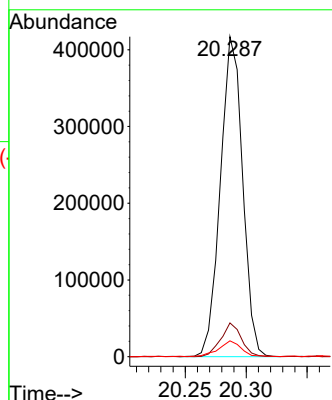
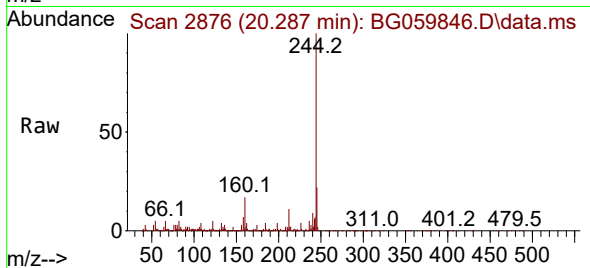
SOIL-3-1115

Tgt Ion:244 Resp: 529135
Ion Ratio Lower Upper
244 100
212 10.5 6.6 10.0
122 5.0 4.4 6.6

Manual Integrations

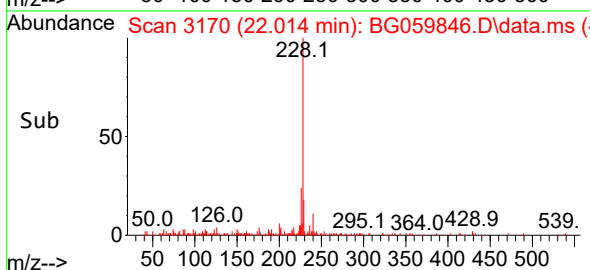
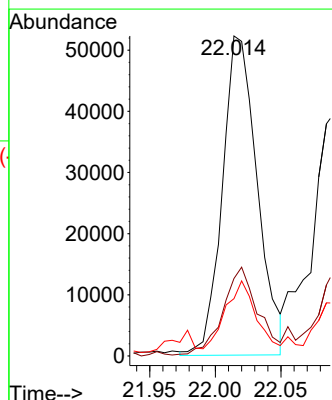
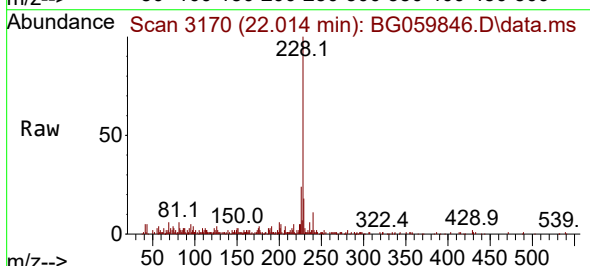
APPROVED

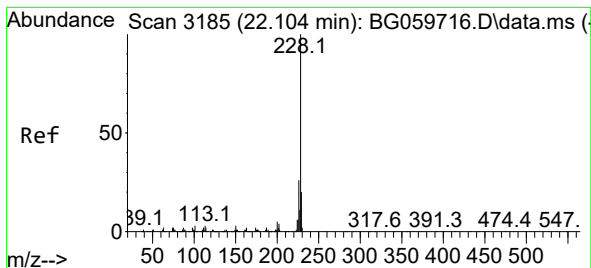
Reviewed By :Yogesh Patel 11/25/2023
Supervised By :mohammad ahmed 11/25/2023



#81
Benzo(a)anthracene
Concen: 8.472 ng
RT: 22.014 min Scan# 3170
Delta R.T. -0.013 min
Lab File: BG059846.D
Acq: 23 Nov 2023 10:37

Tgt Ion:228 Resp: 96607
Ion Ratio Lower Upper
228 100
226 24.2 22.1 33.1
229 17.9 14.9 22.3





#83

Chrysene

Concen: 8.382 ng m

RT: 22.096 min Scan# 3184

Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

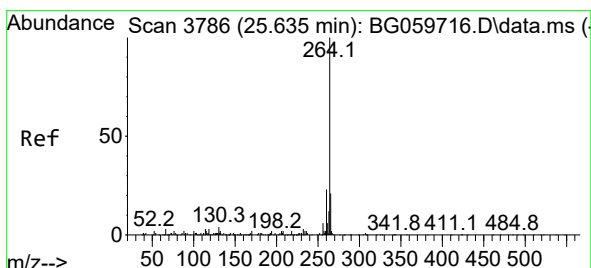
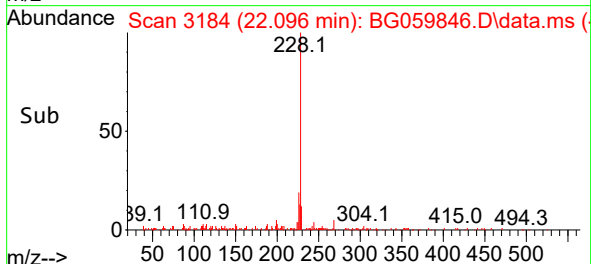
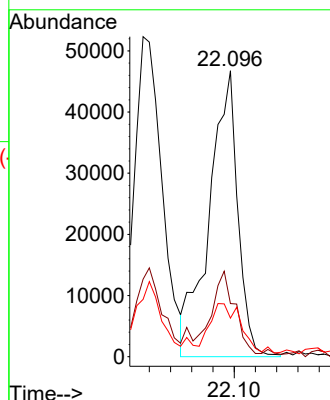
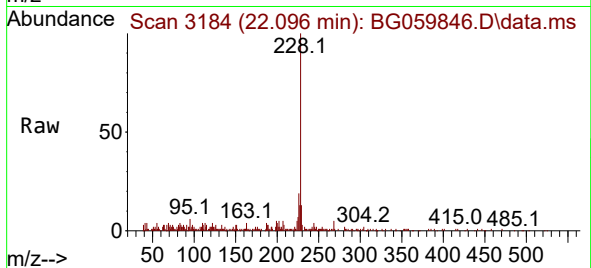
Tgt Ion:	228	Resp:	87620
Ion Ratio	Lower	Upper	
228	100		
226	18.6	21.1	31.7
229	13.5	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/25/2023



#86

Perylene-d12

Concen: 20.000 ng

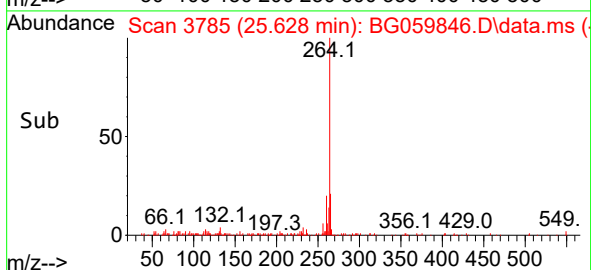
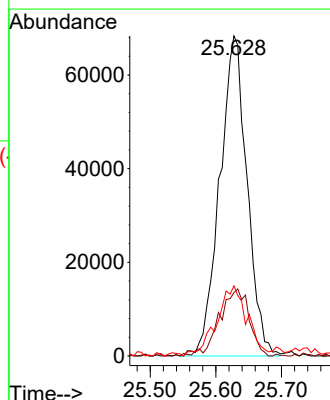
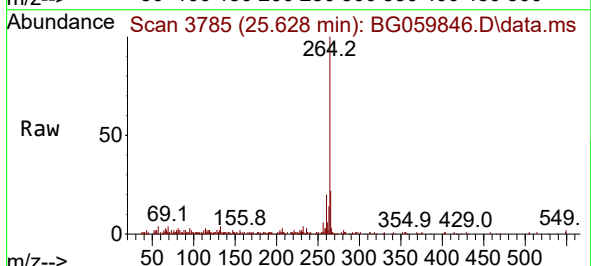
RT: 25.628 min Scan# 3785

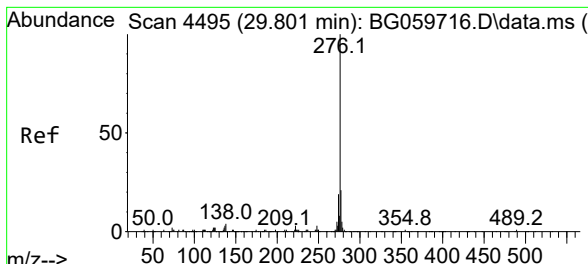
Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Tgt Ion:	264	Resp:	198100
Ion Ratio	Lower	Upper	
264	100		
260	19.8	18.5	27.7
265	21.9	17.0	25.6





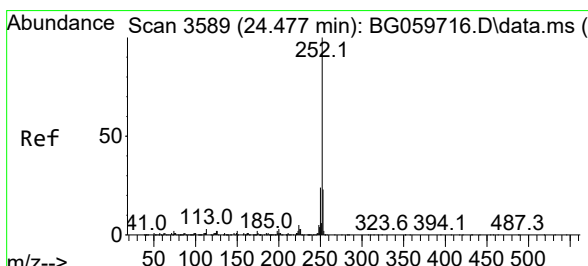
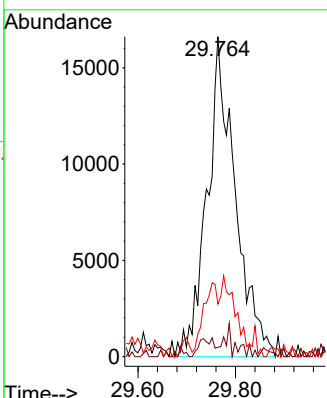
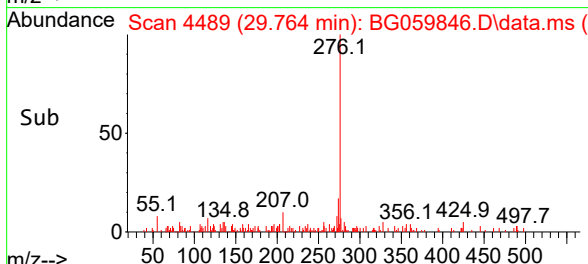
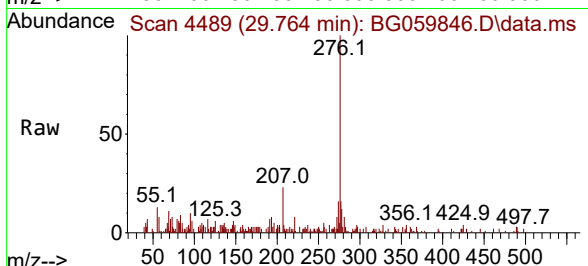
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.439 ng
 RT: 29.764 min Scan# 4489
 Delta R.T. -0.037 min
 Lab File: BG059846.D
 Acq: 23 Nov 2023 10:37

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3-1115

Tgt Ion:	276	Resp:	6654
Ion Ratio	Lower	Upper	
276	100		
138	3.1	1.8	2.6
277	10.7	9.8	14.6

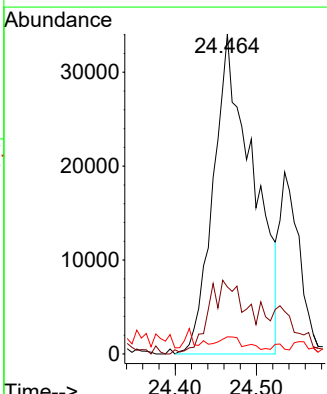
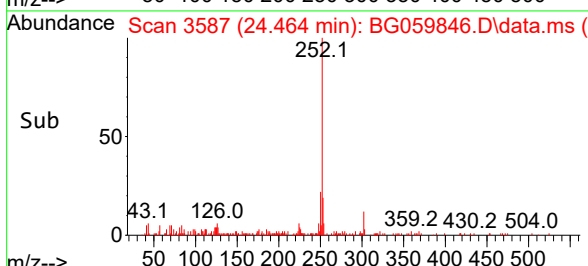
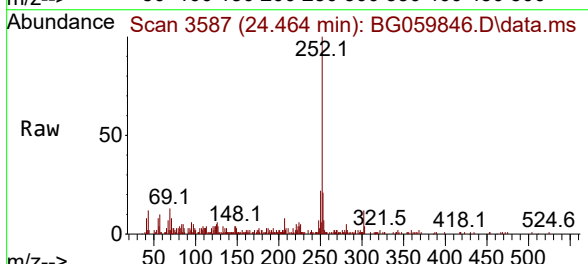
Manual Integrations
 APPROVED

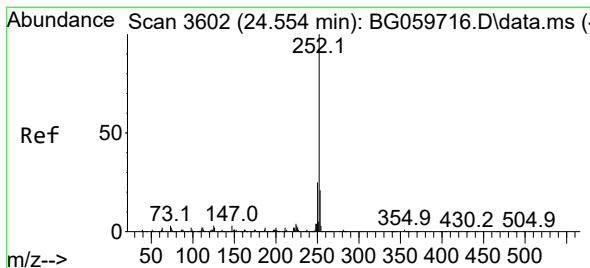
Reviewed By :Yogesh Patel 11/25/2023
 Supervised By :mohammad ahmed 11/25/2023



#88
 Benzo(b)fluoranthene
 Concen: 10.642 ng
 RT: 24.464 min Scan# 3587
 Delta R.T. -0.013 min
 Lab File: BG059846.D
 Acq: 23 Nov 2023 10:37

Tgt Ion:	252	Resp:	115543
Ion Ratio	Lower	Upper	
252	100		
253	21.0	18.3	27.5
125	5.3	1.4	2.0





#89

Benzo(k)fluoranthene

Concen: 3.037 ng

RT: 24.535 min Scan# 3

Delta R.T. -0.019 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

Instrument :

BNA_G

ClientSampleId :

SOIL-3-1115

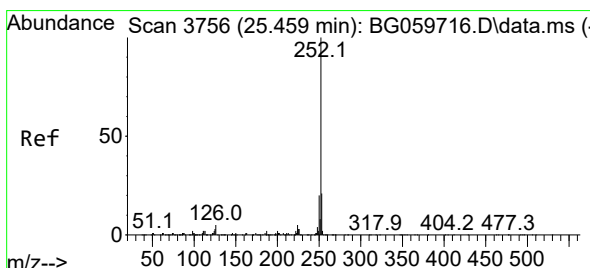
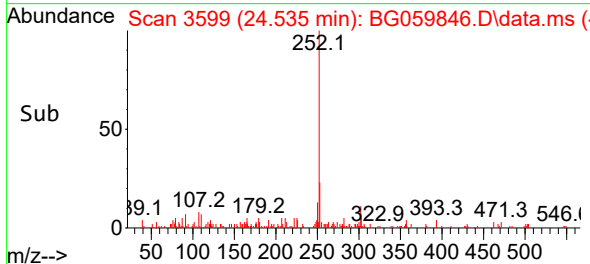
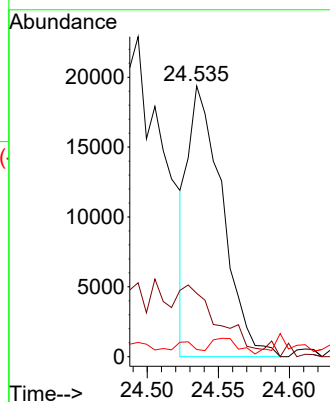
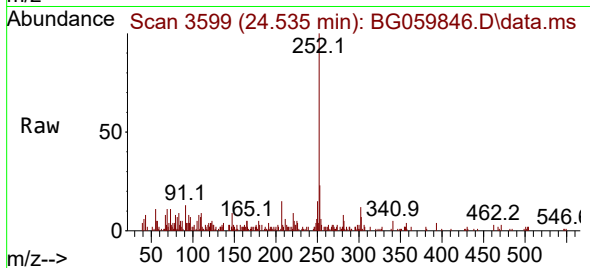
Tgt Ion:	252	Resp:	3260
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	2.7	2.2	3.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/25/2023



#90

Benzo(a)pyrene

Concen: 7.642 ng

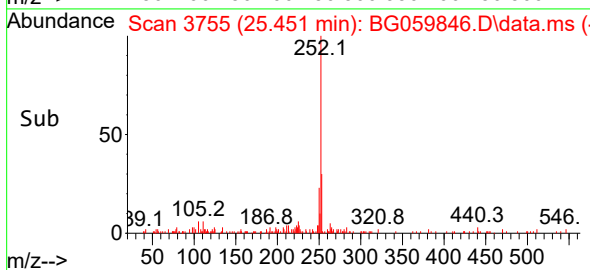
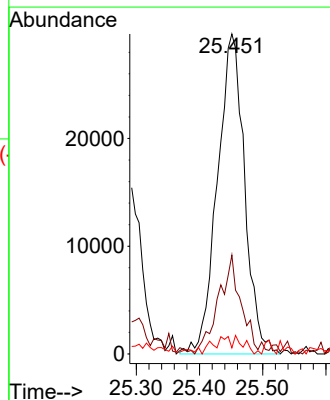
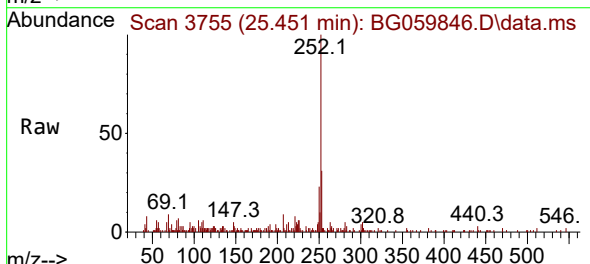
RT: 25.451 min Scan# 3755

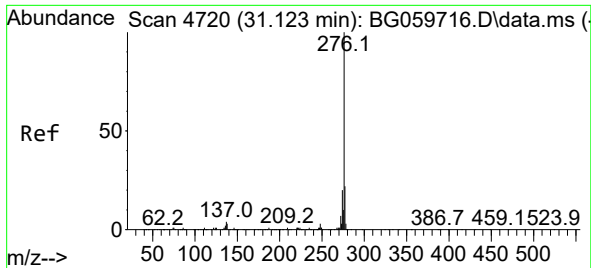
Delta R.T. -0.007 min

Lab File: BG059846.D

Acq: 23 Nov 2023 10:37

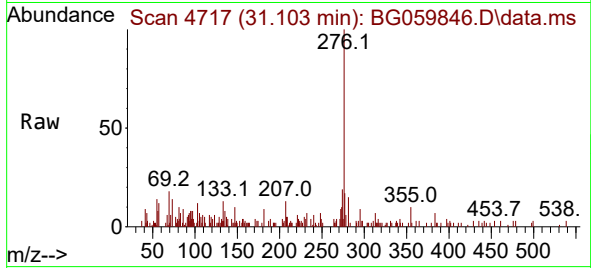
Tgt Ion:	252	Resp:	88550
Ion Ratio	Lower	Upper	
252	100		
253	30.9	16.8	25.2#
125	1.9	2.0	3.0#





#92
 Benzo(g,h,i)perylene
 Concen: 5.011 ng m
 RT: 31.103 min Scan# 41
 Delta R.T. -0.019 min
 Lab File: BG059846.D
 Acq: 23 Nov 2023 10:37

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-3-1115



Tgt Ion:276 Resp: 60299
 Ion Ratio Lower Upper
 276 100
 277 16.5 17.3 25.9
 138 1.4 2.6 4.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/25/2023
 Supervised By :mohammad ahmed 11/25/2023

