

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
 Data File : BG055062.D
 Acq On : 4 Oct 2022 14:07
 Operator : CG/JU
 Sample : N4943-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

Quant Time: Oct 05 00:30:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 04 07:12:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.343	152	25359	20.000	ng	0.00
21) Naphthalene-d8	11.175	136	111655	20.000	ng	0.00
39) Acenaphthene-d10	14.947	164	84119	20.000	ng	0.00
64) Phenanthrene-d10	17.685	188	201279	20.000	ng	0.00
76) Chrysene-d12	21.980	240	205953	20.000	ng	0.00
86) Perylene-d12	25.435	264	224717	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.858	112	125938	110.306	ng	0.00
7) Phenol-d6	7.468	99	184868	108.069	ng	0.00
23) Nitrobenzene-d5	9.512	82	110299	59.028	ng	0.00
42) 2,4,6-Tribromophenol	16.422	330	95657	110.426	ng	0.00
45) 2-Fluorobiphenyl	13.578	172	281323	52.209	ng	0.00
79) Terphenyl-d14	20.258	244	543032	53.292	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.228	128	350133	59.416	ng	99
37) 2-Methylnaphthalene	12.802	142	194153	44.707	ng	99
38) 1-Methylnaphthalene	13.020	142	91131	21.574	ng	97
46) 1,1'-Biphenyl	13.790	154	54985	9.534	ng	98
52) Acenaphthene	15.012	154	191997	40.179	ng	98
55) Dibenzofuran	15.341	168	336529	44.141	ng	98
58) Fluorene	15.987	166	357140	58.539	ng	96
62) 4-Nitroaniline	15.987	138	4418	3.217	ng	# 11
71) Phenanthrene	17.732	178	1463649	138.433	ng	97
72) Anthracene	17.814	178	127867	12.435	ng	98
73) Carbazole	18.073	167	36116	4.001	ng	99
75) Fluoranthene	19.712	202	890052	67.479	ng	98
78) Pyrene	20.070	202	577248	42.151	ng	98
81) Benzo(a)anthracene	21.956	228	155522	11.887	ng	98
83) Chrysene	22.027	228	111714	8.859	ng	96
84) Bis(2-ethylhexyl)phtha...	21.845	149	2539	4.463	ng	# 97
88) Benzo(b)fluoranthene	24.330	252	71838	5.426	ng	97
89) Benzo(k)fluoranthene	24.389	252	27010m	2.025	ng	
90) Benzo(a)pyrene	25.264	252	41721	3.676	ng	98

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

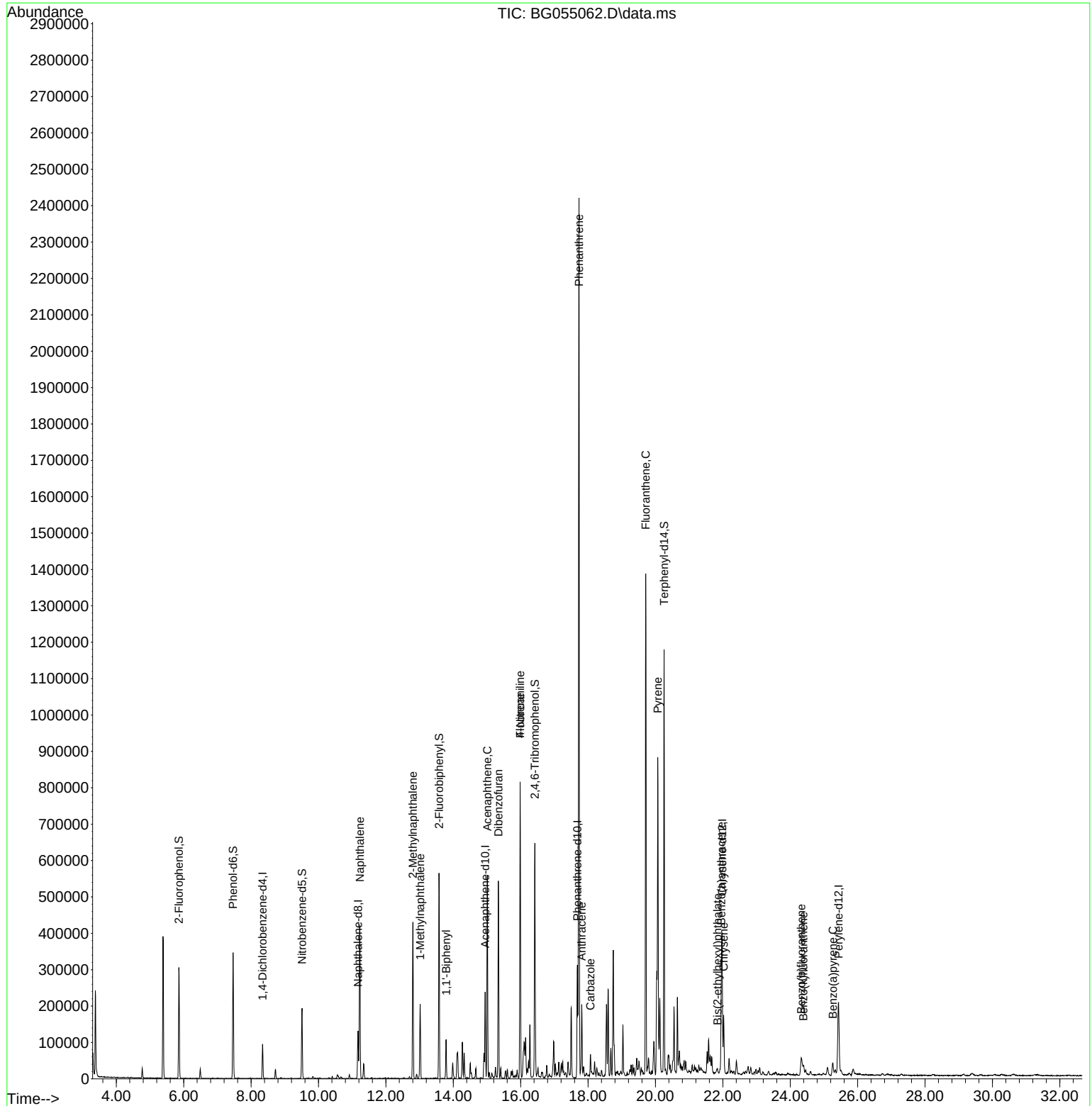
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100422\
Data File : BG055062.D
Acq On : 4 Oct 2022 14:07
Operator : CG/JU
Sample : N4943-01
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ALS Vial : 6 Sample Multiplier: 1

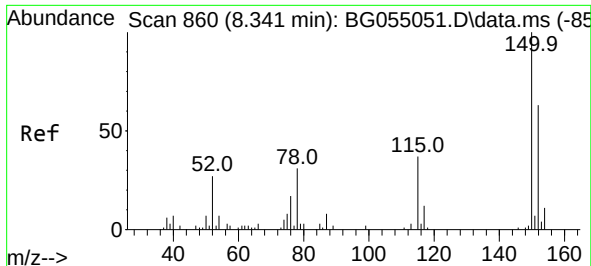
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100322.M
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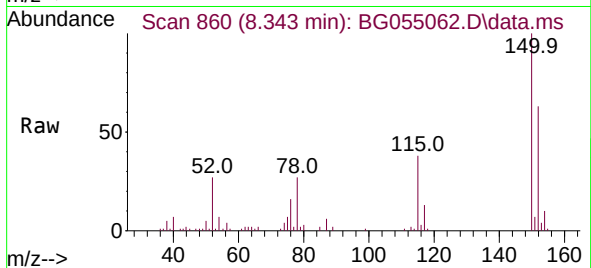
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.343 min Scan# 860
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

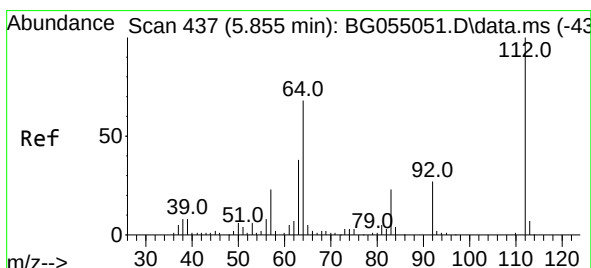
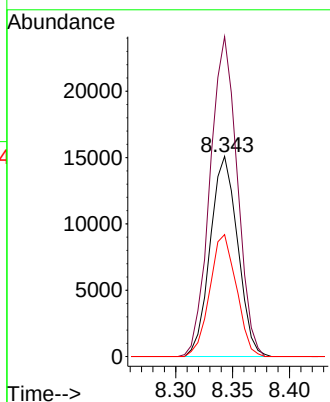
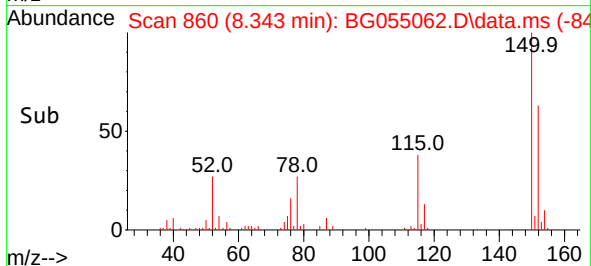
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930



Tgt Ion:152 Resp: 25359
Ion Ratio Lower Upper
152 100
150 159.8 128.0 192.0
115 60.9 47.7 71.5

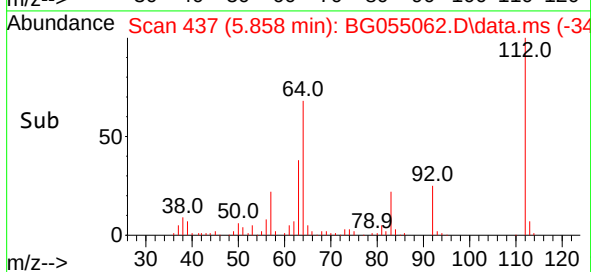
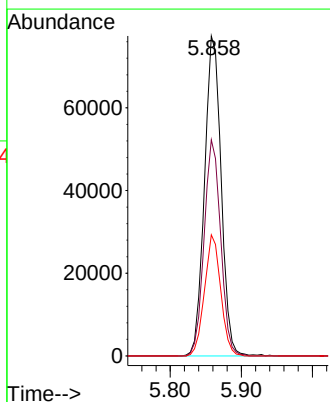
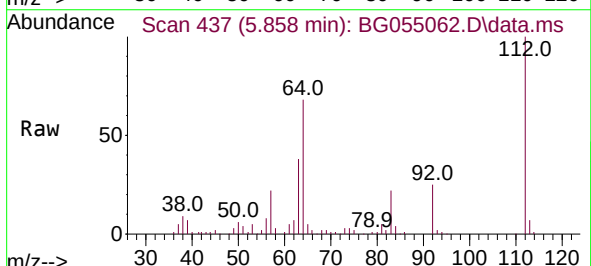
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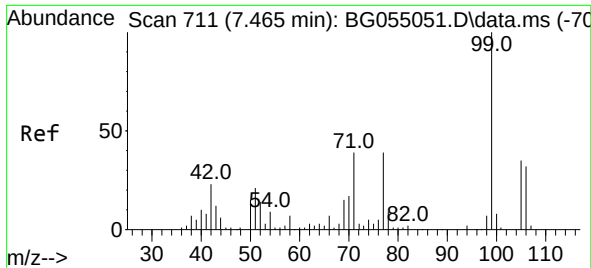
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#5
2-Fluorophenol
Concen: 110.306 ng
RT: 5.858 min Scan# 437
Delta R.T. 0.003 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

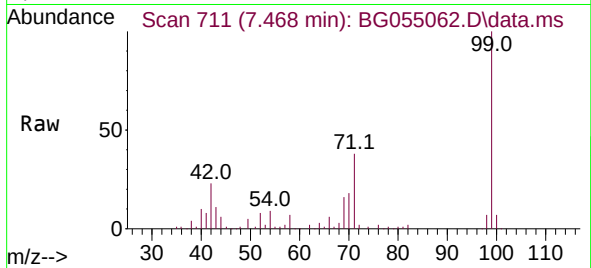
Tgt Ion:112 Resp: 125938
Ion Ratio Lower Upper
112 100
64 67.5 54.5 81.7
63 37.8 30.5 45.7





#7
Phenol-d6
Concen: 108.069 ng
RT: 7.468 min Scan# 711
Delta R.T. 0.003 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

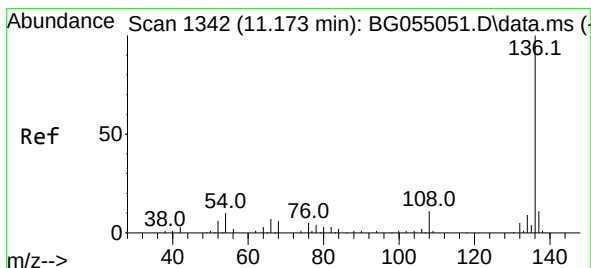
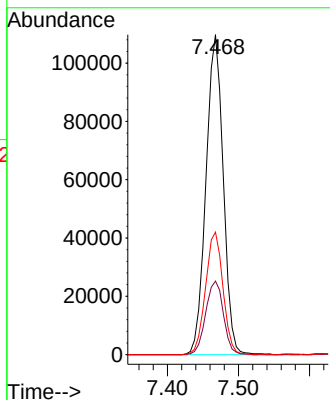
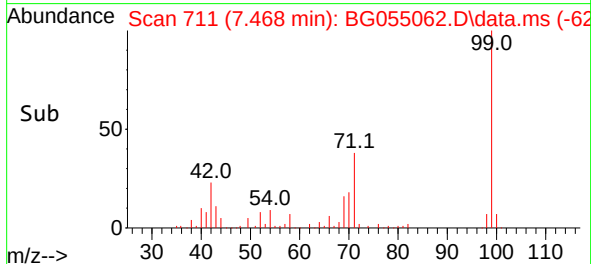
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930



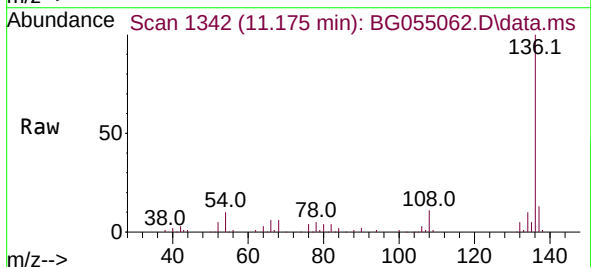
Tgt Ion: 99 Resp: 184868
Ion Ratio Lower Upper
99 100
42 23.0 18.6 28.0
71 38.3 31.2 46.8

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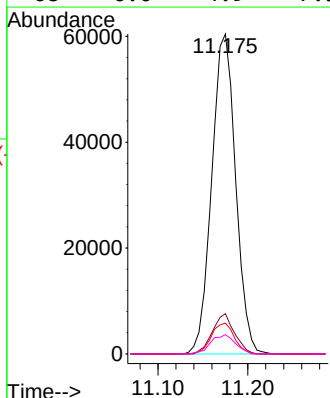
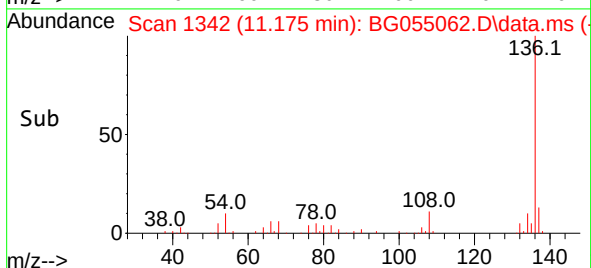
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

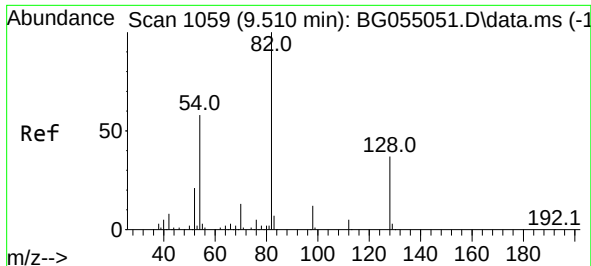


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 1342
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07



Tgt Ion:136 Resp: 111655
Ion Ratio Lower Upper
136 100
137 12.6 8.7 13.1
54 9.6 8.2 12.4
68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 59.028 ng

RT: 9.512 min Scan# 1059

Delta R.T. 0.002 min

Lab File: BG055062.D

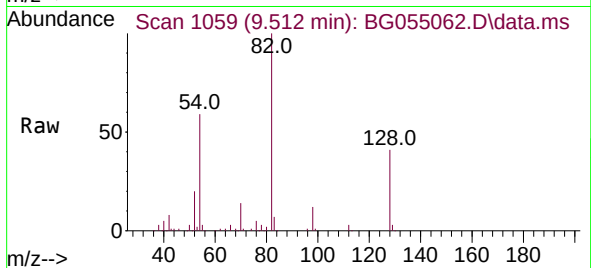
Acq: 4 Oct 2022 14:07

Instrument :

BNA_G

ClientSampleId :

SOIL-001-0930

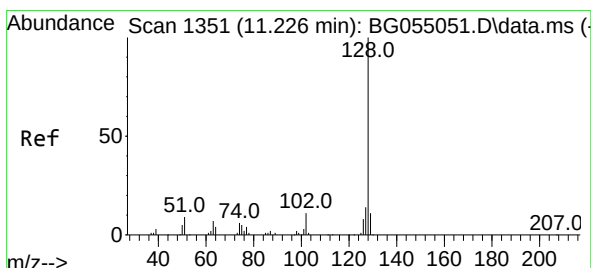
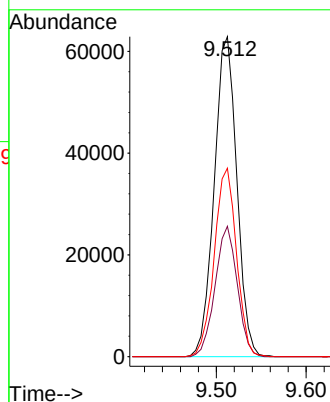
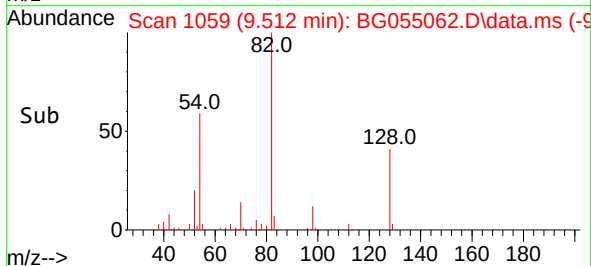


Tgt Ion: 82	Resp: 110295
Ion Ratio	Lower Upper
82	100
128	40.7 29.5 44.3
54	58.9 46.7 70.1

Manual Integrations

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#31

Naphthalene

Concen: 59.416 ng

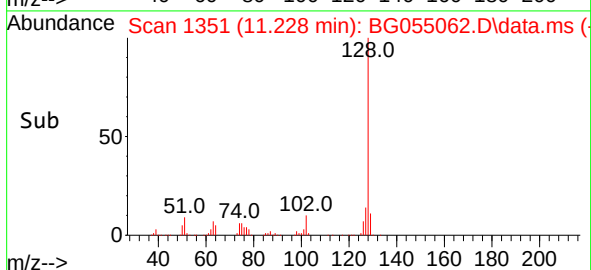
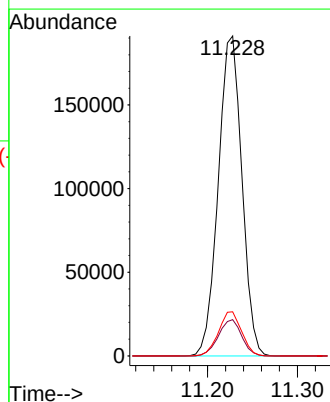
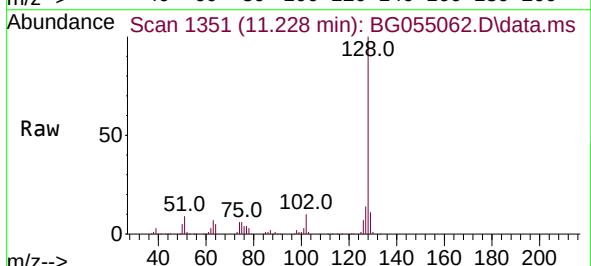
RT: 11.228 min Scan# 1351

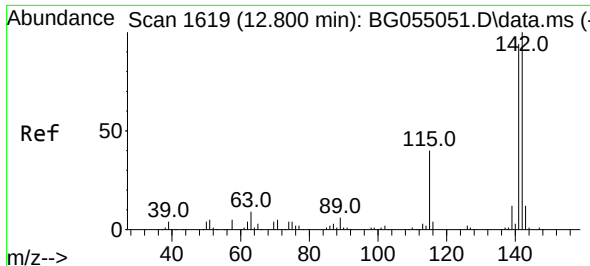
Delta R.T. 0.002 min

Lab File: BG055062.D

Acq: 4 Oct 2022 14:07

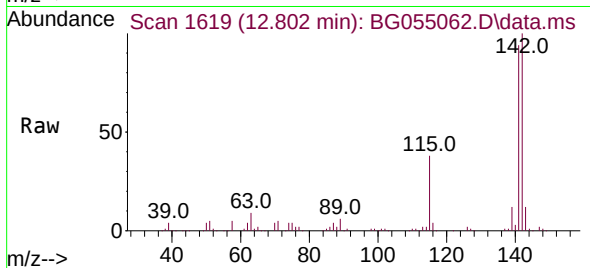
Tgt Ion:128	Resp: 350133
Ion Ratio	Lower Upper
128	100
129	11.3 8.7 13.1
127	13.8 10.9 16.3





#37
2-Methylnaphthalene
Concen: 44.707 ng
RT: 12.802 min Scan# 1619
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

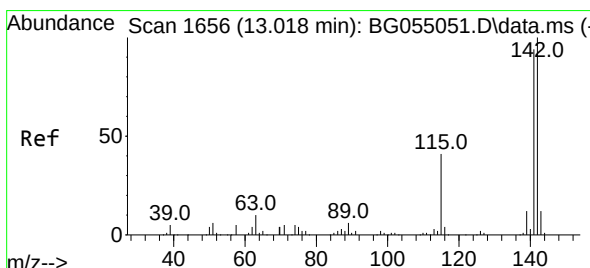
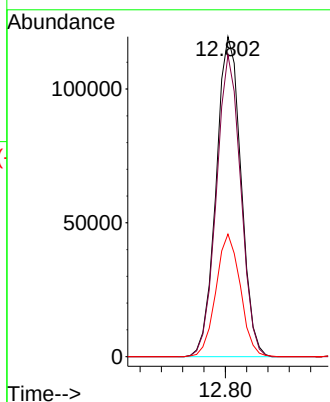
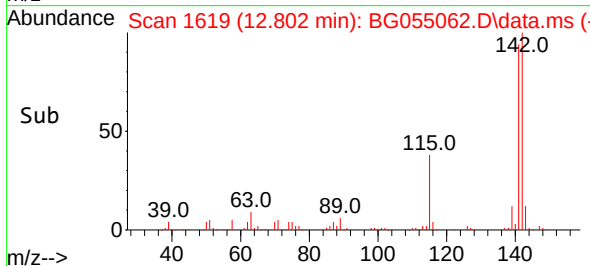
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930



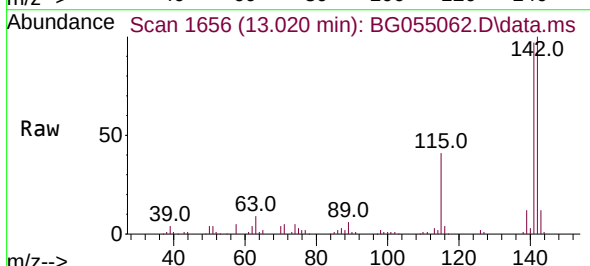
Tgt Ion:142 Resp: 194153
Ion Ratio Lower Upper
142 100
141 94.3 75.0 112.4
115 38.3 31.7 47.5

Manual Integrations
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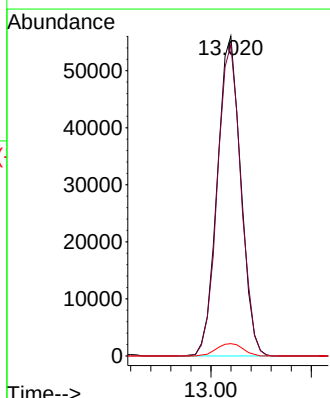
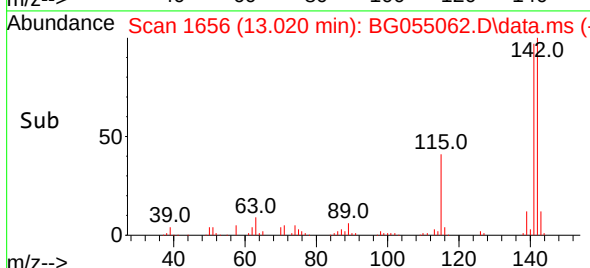
Reviewed By :Jagrut Upadhyay 10/05/2022
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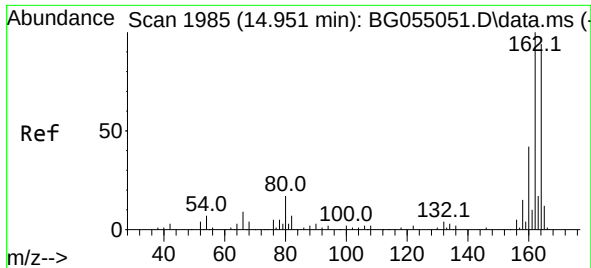


#38
1-Methylnaphthalene
Concen: 21.574 ng
RT: 13.020 min Scan# 1656
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07



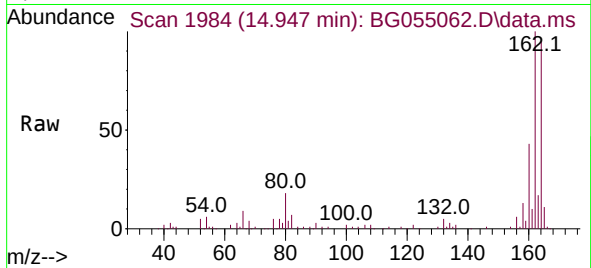
Tgt Ion:142 Resp: 91131
Ion Ratio Lower Upper
142 100
141 97.2 75.5 113.3
116 3.8 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.947 min Scan# 1984
Delta R.T. -0.004 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

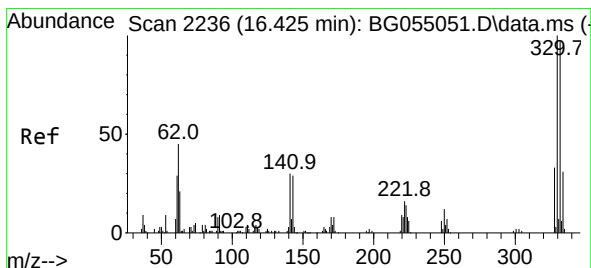
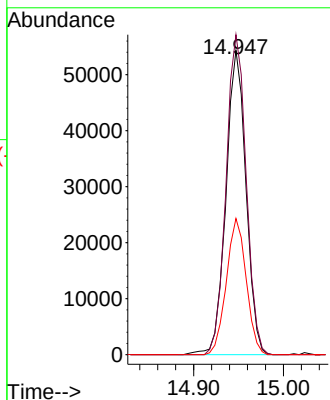
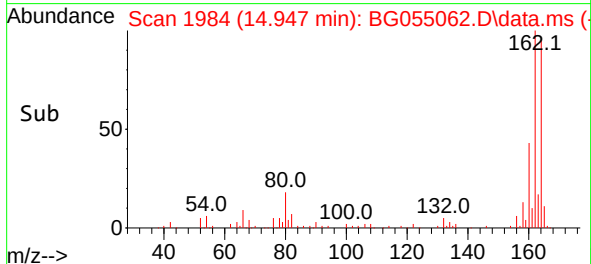
Instrument :
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ClientSampleId :
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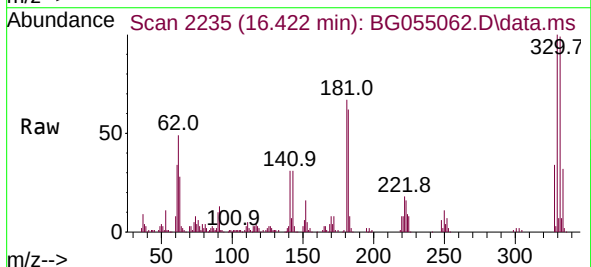
Tgt Ion:164 Resp: 84119
Ion Ratio Lower Upper
164 100
162 105.2 85.5 128.3
160 44.7 35.5 53.3

Manual Integrations
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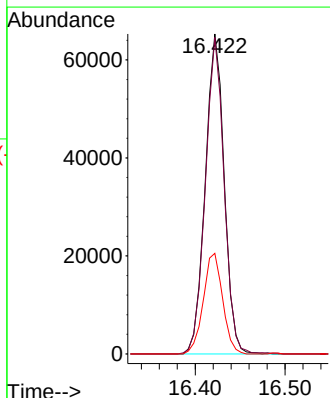
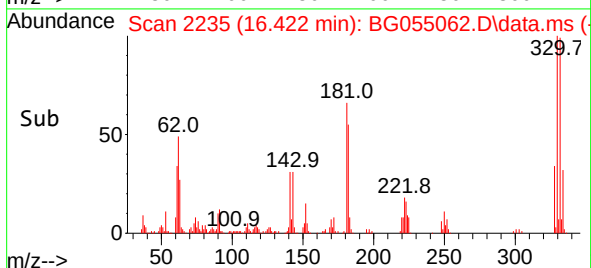
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

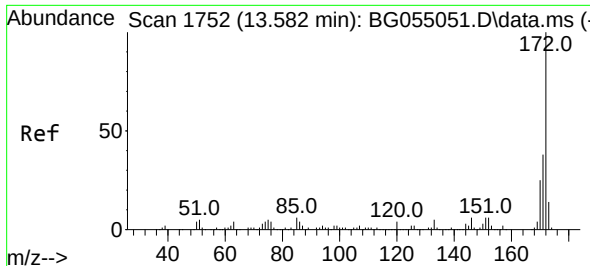


#42
2,4,6-Tribromophenol
Concen: 110.426 ng
RT: 16.422 min Scan# 2235
Delta R.T. -0.003 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07



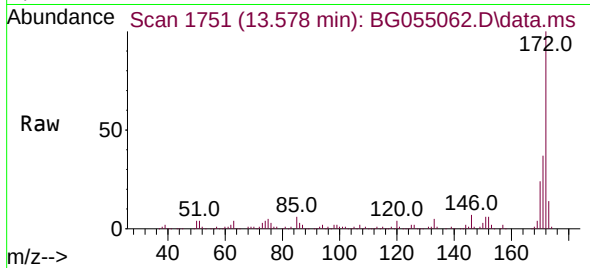
Tgt Ion:330 Resp: 95657
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.0
141 32.0 25.0 37.4





#45
2-Fluorobiphenyl
Concen: 52.209 ng
RT: 13.578 min Scan# 1751
Delta R.T. -0.004 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

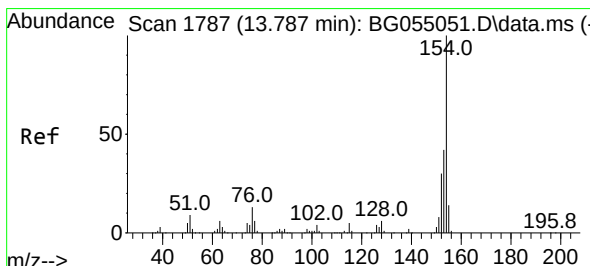
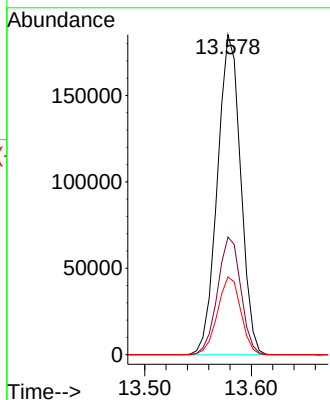
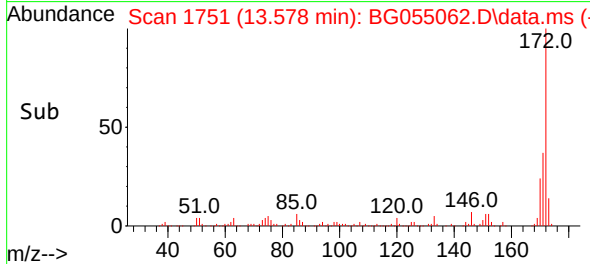
Instrument :
BNA_G
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SOIL-001-0930



Tgt Ion:172 Resp: 281323
Ion Ratio Lower Upper
172 100
171 36.7 30.1 45.1
170 24.3 20.0 30.0

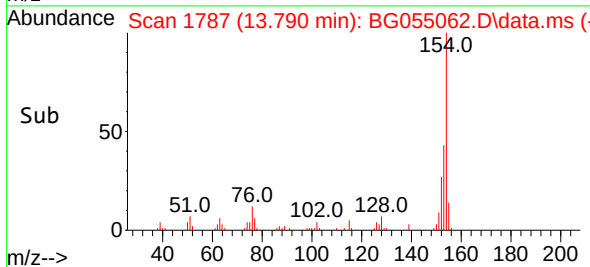
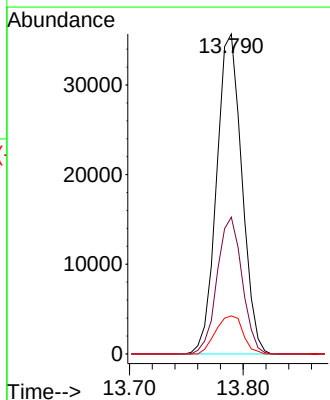
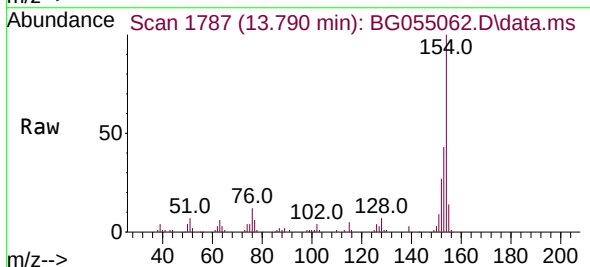
Manual Integrations
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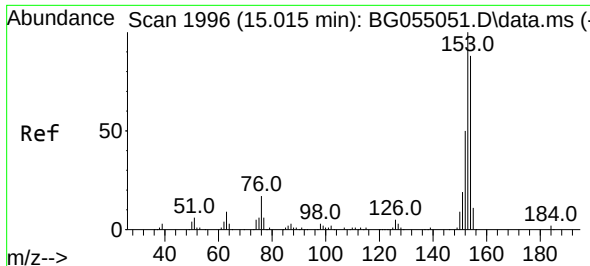
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#46
1,1'-Biphenyl
Concen: 9.534 ng
RT: 13.790 min Scan# 1787
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

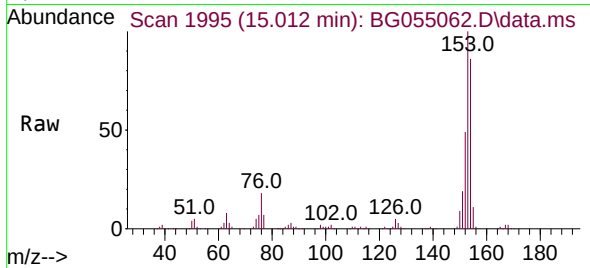
Tgt Ion:154 Resp: 54985
Ion Ratio Lower Upper
154 100
153 42.7 22.0 62.0
76 11.9 0.0 33.3





#52
Acenaphthene
Concen: 40.179 ng
RT: 15.012 min Scan# 1996
Delta R.T. -0.004 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

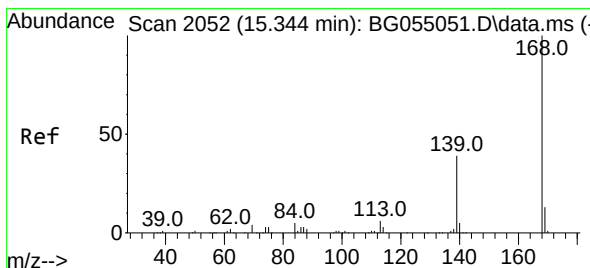
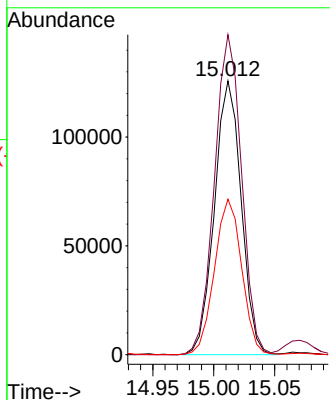
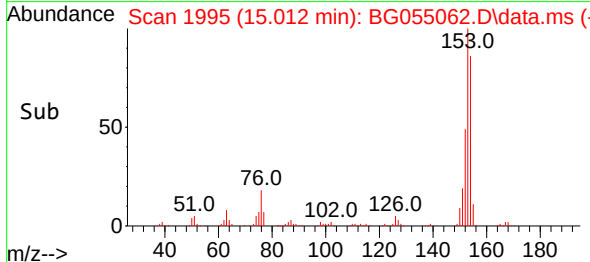
Instrument :
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SOIL-001-0930



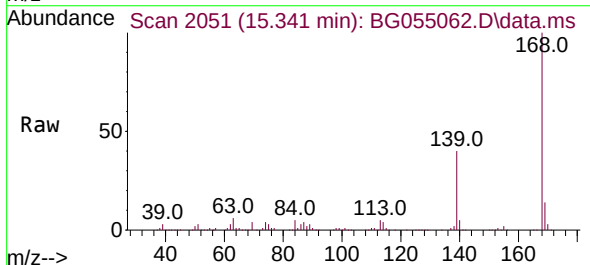
Tgt Ion:154 Resp: 191997
Ion Ratio Lower Upper
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152 56.8 45.3 67.9

Manual Integrations
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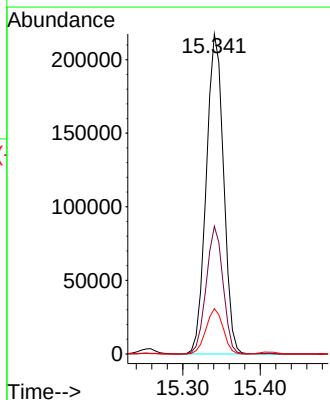
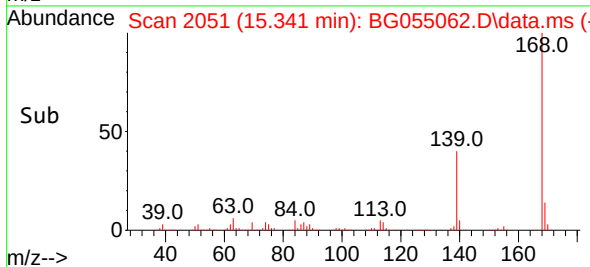
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

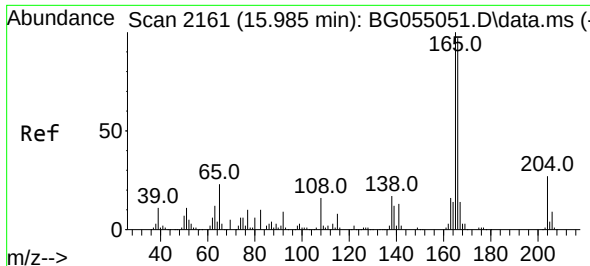


#55
Dibenzofuran
Concen: 44.141 ng
RT: 15.341 min Scan# 2051
Delta R.T. -0.003 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07



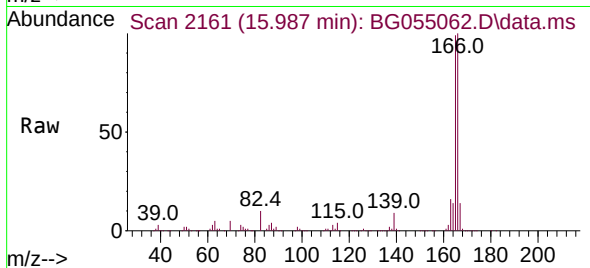
Tgt Ion:168 Resp: 336529
Ion Ratio Lower Upper
168 100
139 39.9 31.0 46.4
169 14.1 10.6 16.0





#58
Fluorene
Concen: 58.539 ng
RT: 15.987 min Scan# 2161
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

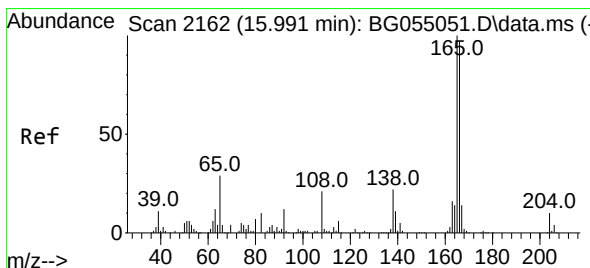
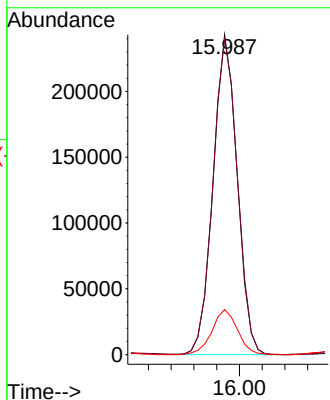
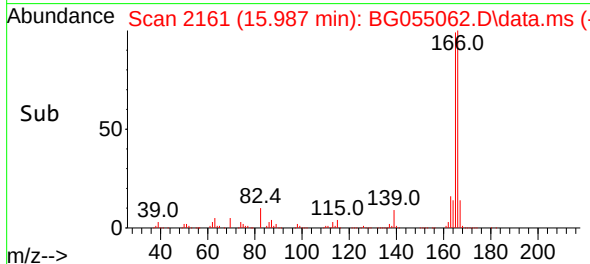
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930



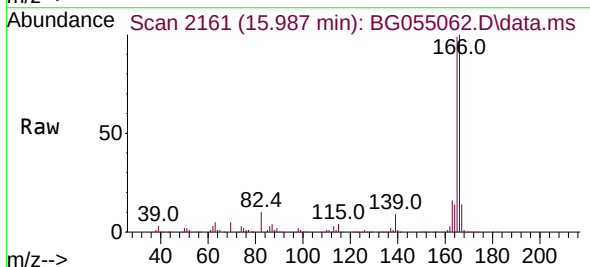
Tgt Ion:166 Resp: 357140
Ion Ratio Lower Upper
166 100
165 98.7 82.6 123.8
167 14.1 11.8 17.8

Manual Integrations
APPROVED

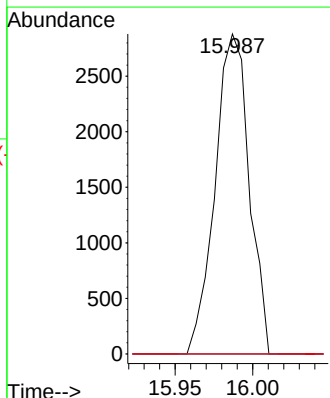
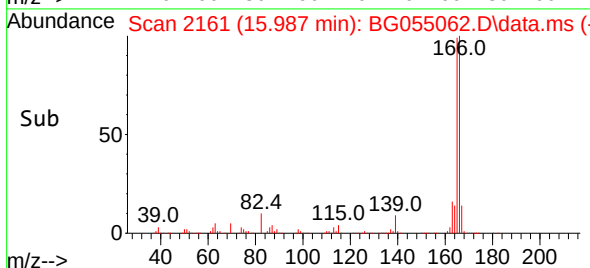
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

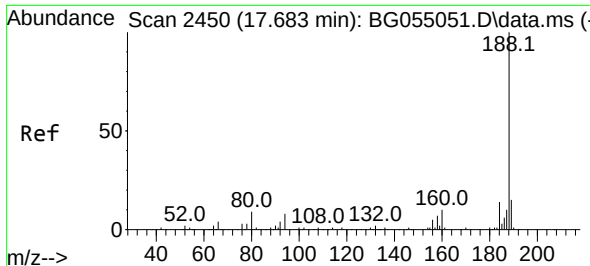


#62
4-Nitroaniline
Concen: 3.217 ng
RT: 15.987 min Scan# 2161
Delta R.T. -0.004 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07



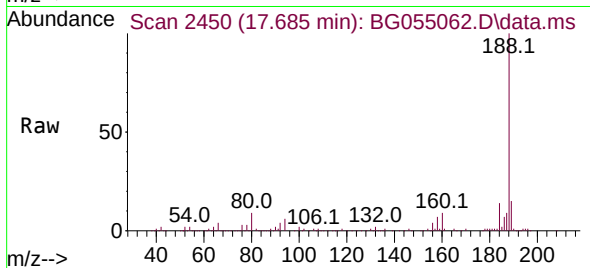
Tgt Ion:138 Resp: 4418
Ion Ratio Lower Upper
138 100
92 0.0 35.3 75.3#
108 0.0 72.0 112.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.685 min Scan# 2450
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

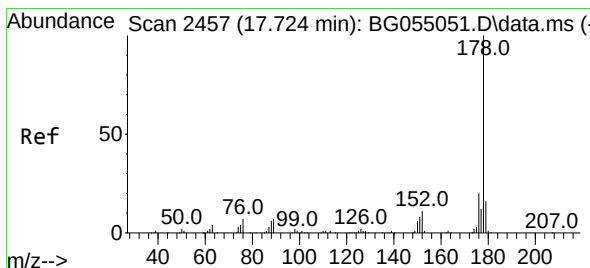
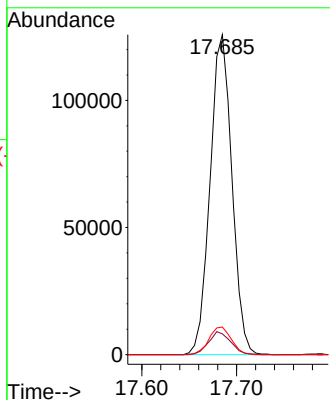
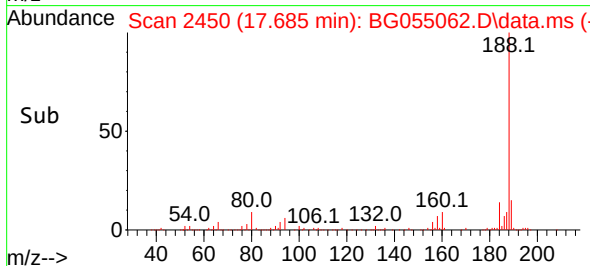
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930



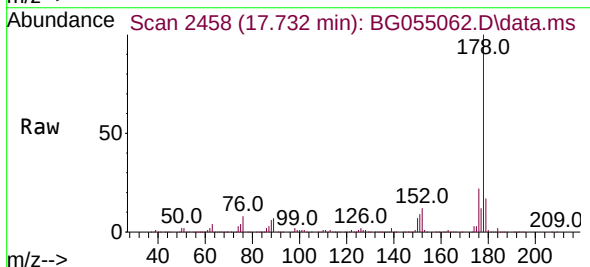
Tgt Ion:188 Resp: 201279
Ion Ratio Lower Upper
188 100
94 6.5 6.2 9.2
80 8.6 7.2 10.8

Manual Integrations
APPROVED

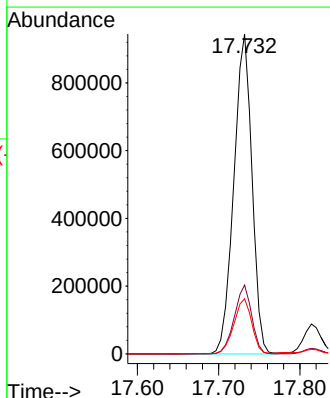
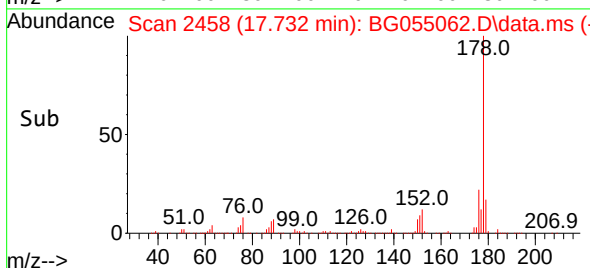
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

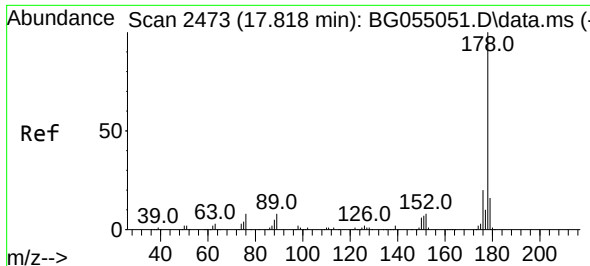


#71
Phenanthrene
Concen: 138.433 ng
RT: 17.732 min Scan# 2458
Delta R.T. 0.008 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07



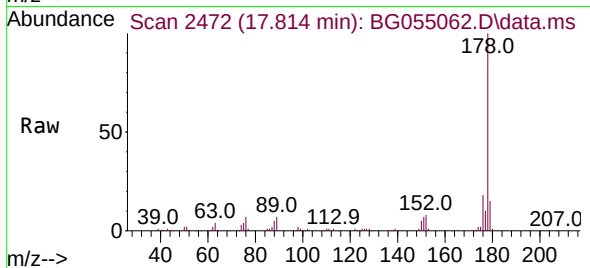
Tgt Ion:178 Resp: 1463649
Ion Ratio Lower Upper
178 100
176 21.6 15.8 23.6
179 17.2 13.2 19.8





#72
 Anthracene
 Concen: 12.435 ng
 RT: 17.814 min Scan# 2473
 Delta R.T. -0.004 min
 Lab File: BG055062.D
 Acq: 4 Oct 2022 14:07

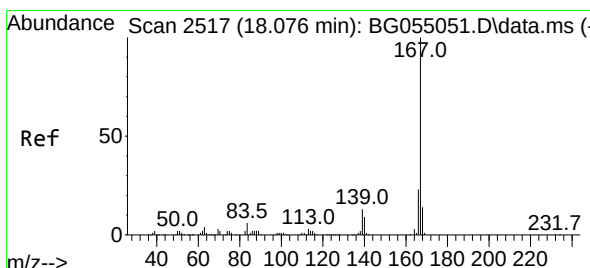
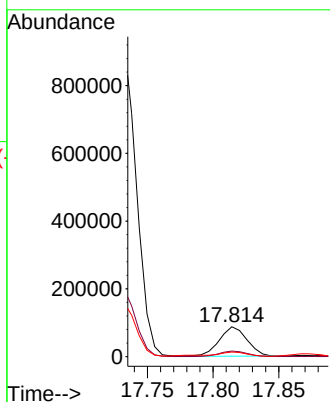
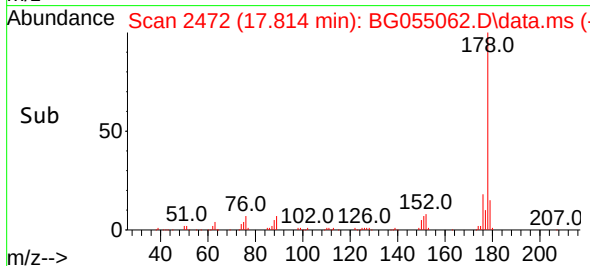
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930



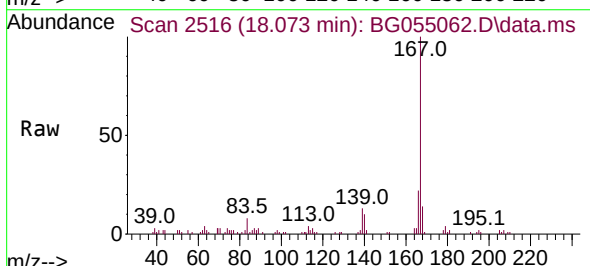
Tgt Ion:178 Resp: 127862
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.7 23.5
 179 15.4 12.5 18.7

Manual Integrations
 APPROVED

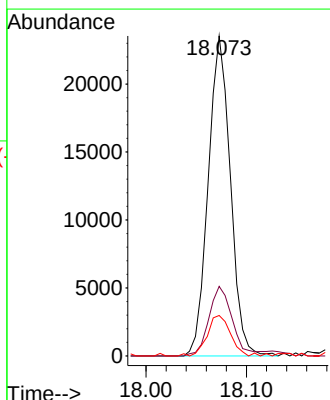
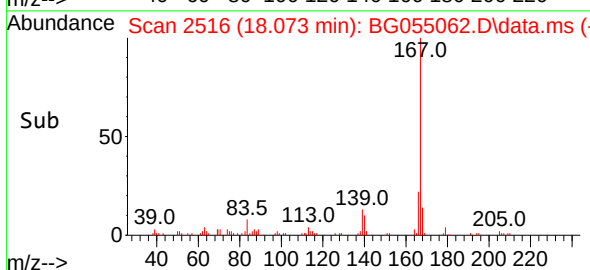
Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

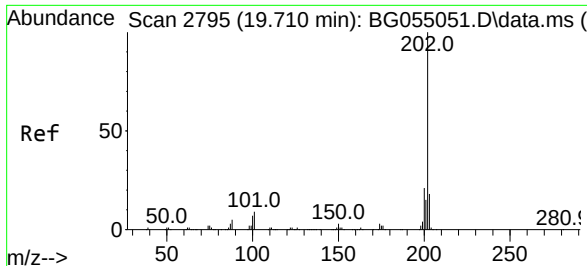


#73
 Carbazole
 Concen: 4.001 ng
 RT: 18.073 min Scan# 2516
 Delta R.T. -0.004 min
 Lab File: BG055062.D
 Acq: 4 Oct 2022 14:07



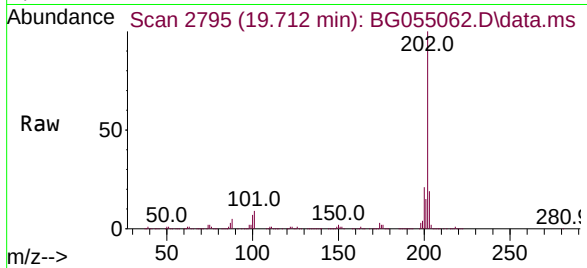
Tgt Ion:167 Resp: 36116
 Ion Ratio Lower Upper
 167 100
 166 21.7 18.2 27.2
 139 12.6 10.2 15.4





#75
Fluoranthene
Concen: 67.479 ng
RT: 19.712 min Scan# 2795
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

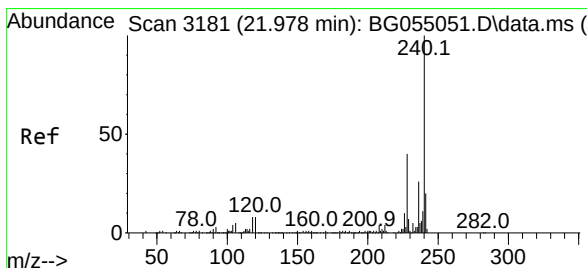
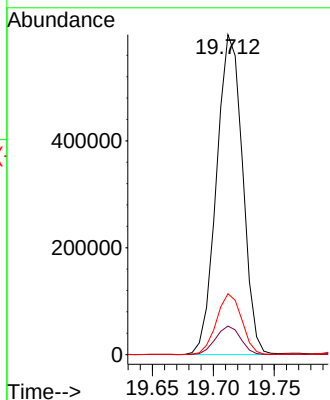
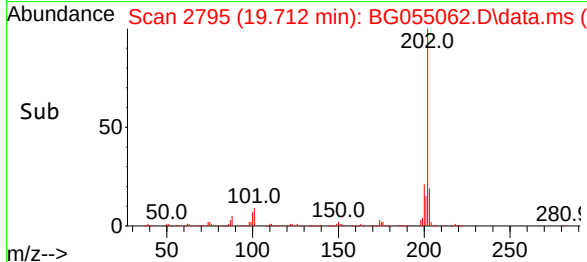
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930



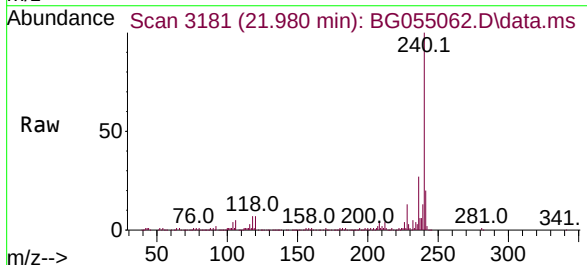
Tgt Ion:202 Resp: 890052
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.9
203 19.0 0.0 37.7

Manual Integrations
APPROVED

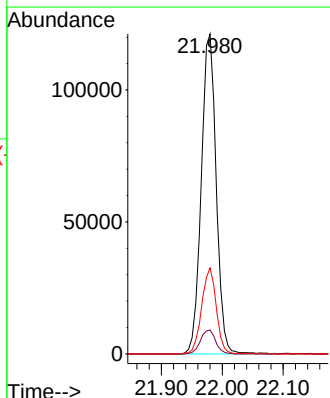
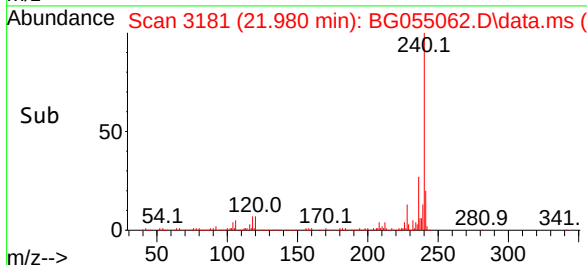
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

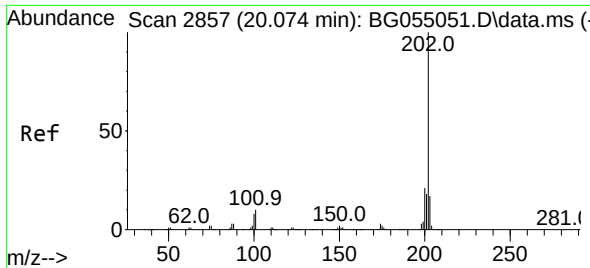


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.980 min Scan# 3181
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07



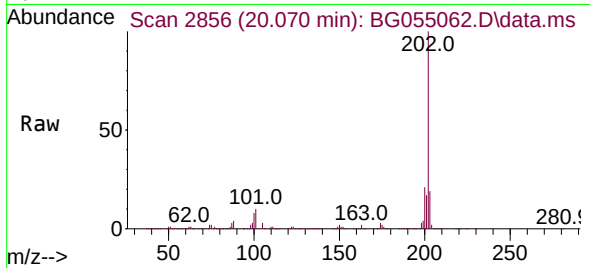
Tgt Ion:240 Resp: 205953
Ion Ratio Lower Upper
240 100
120 7.5 6.2 9.4
236 26.9 20.6 30.8





#78
 Pyrene
 Concen: 42.151 ng
 RT: 20.070 min Scan# 2857
 Delta R.T. -0.004 min
 Lab File: BG055062.D
 Acq: 4 Oct 2022 14:07

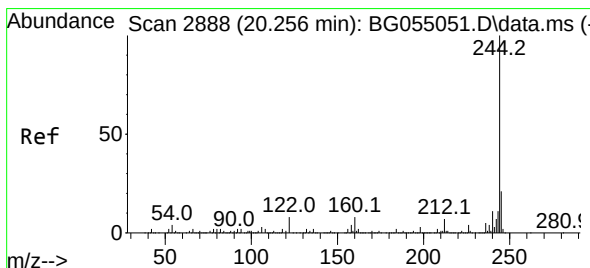
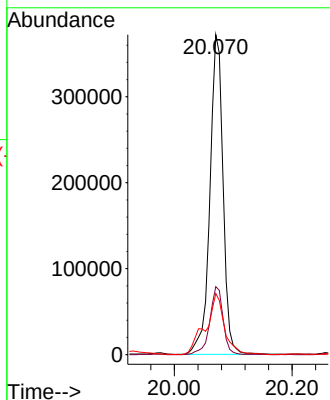
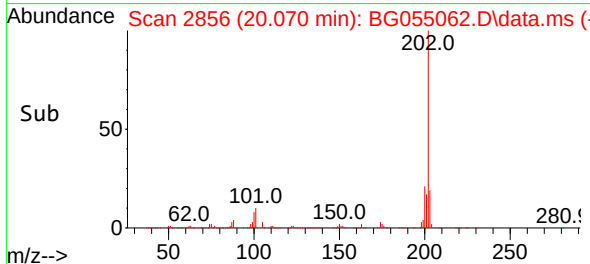
Instrument :
 BNA_G
 ClientSampleId :
 SOIL-001-0930



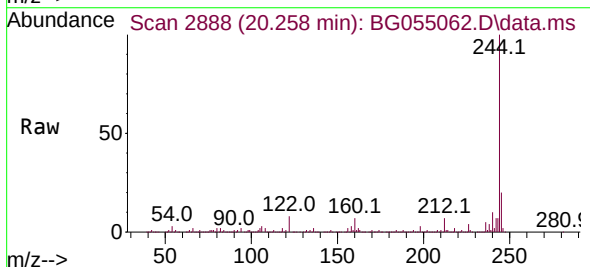
Tgt Ion:202 Resp: 577248
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.6 25.0
 203 19.1 14.0 21.0

Manual Integrations
 APPROVED

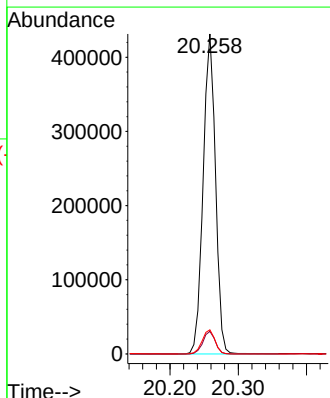
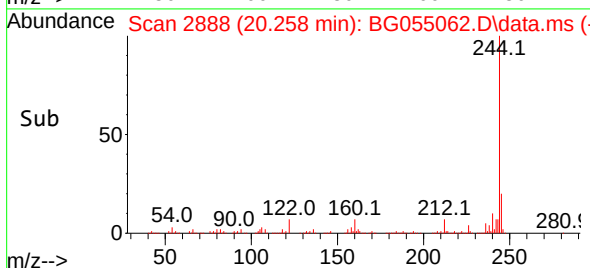
Reviewed By :Jagrut Upadhyay 10/05/2022
 Supervised By :mohammad ahmed 10/06/2022

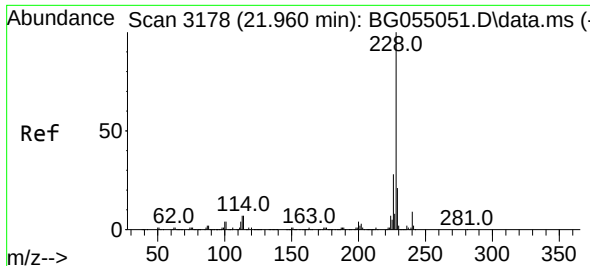


#79
 Terphenyl-d14
 Concen: 53.292 ng
 RT: 20.258 min Scan# 2888
 Delta R.T. 0.002 min
 Lab File: BG055062.D
 Acq: 4 Oct 2022 14:07



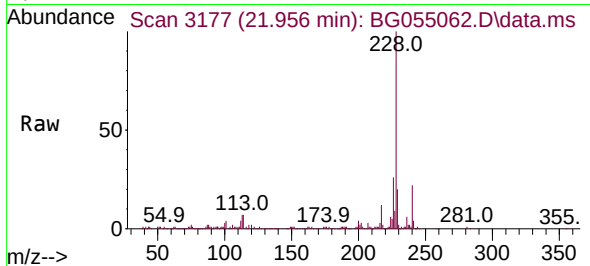
Tgt Ion:244 Resp: 543032
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 7.5 6.6 10.0





#81
Benzo(a)anthracene
Concen: 11.887 ng
RT: 21.956 min Scan# 3177
Delta R.T. -0.004 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

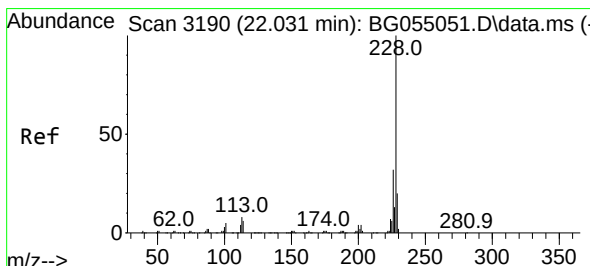
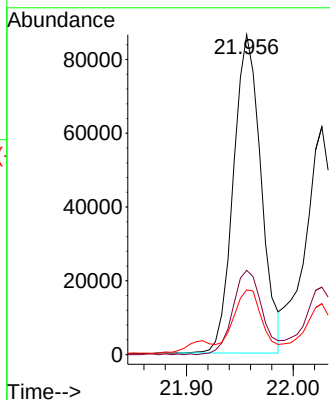
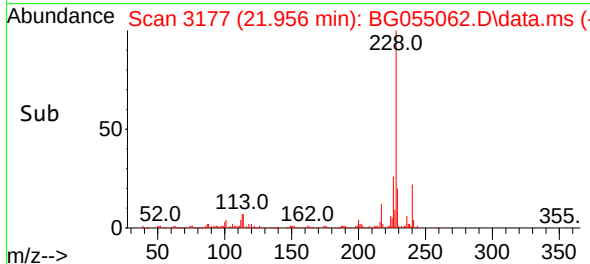
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930



Tgt Ion:228 Resp: 155522
Ion Ratio Lower Upper
228 100
226 26.3 22.4 33.6
229 20.3 16.7 25.1

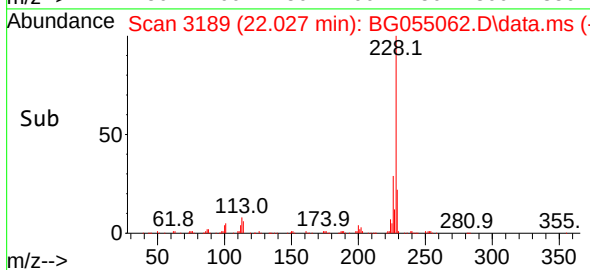
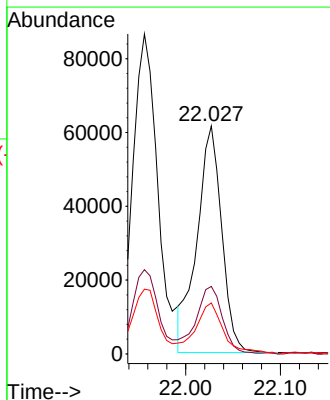
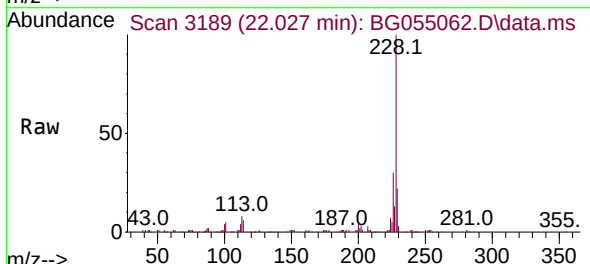
Manual Integrations
APPROVED

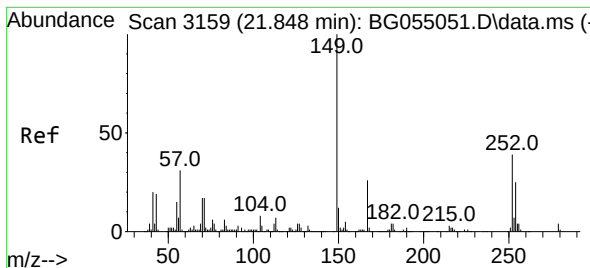
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#83
Chrysene
Concen: 8.859 ng
RT: 22.027 min Scan# 3189
Delta R.T. -0.004 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

Tgt Ion:228 Resp: 111714
Ion Ratio Lower Upper
228 100
226 29.6 25.3 37.9
229 22.4 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.463 ng

RT: 21.845 min Scan# 3159

Delta R.T. -0.003 min

Lab File: BG055062.D

Acq: 4 Oct 2022 14:07

Instrument :

BNA_G

ClientSampleId :

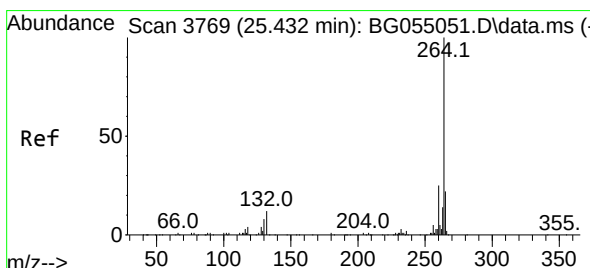
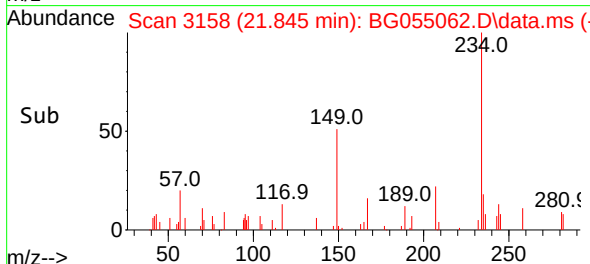
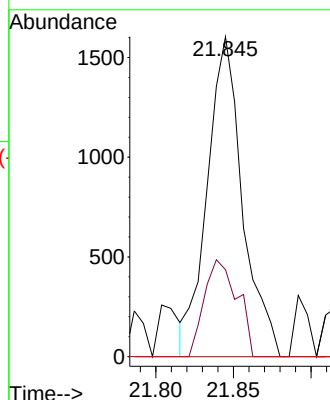
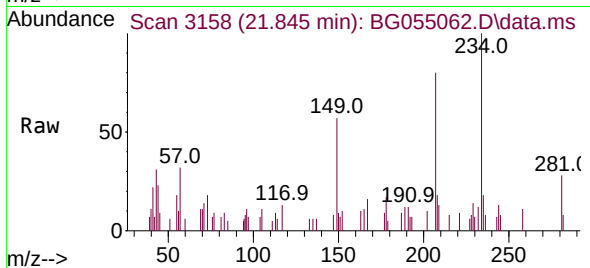
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Tgt Ion:	149	Resp:	2539
Ion Ratio	Lower	Upper	
149	100		
167	27.2	21.0	31.4
279	0.0	3.4	5.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022



#86

Perylene-d12

Concen: 20.000 ng

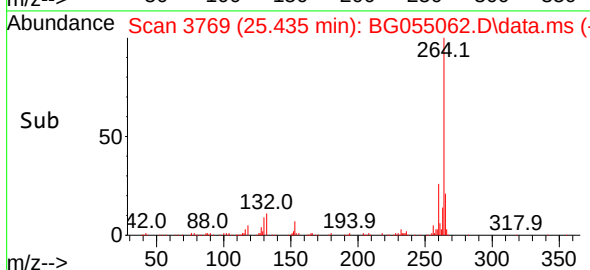
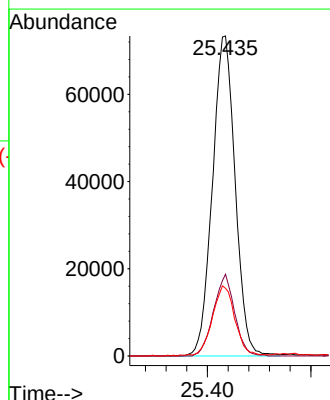
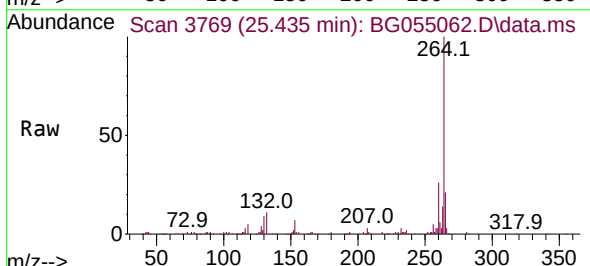
RT: 25.435 min Scan# 3769

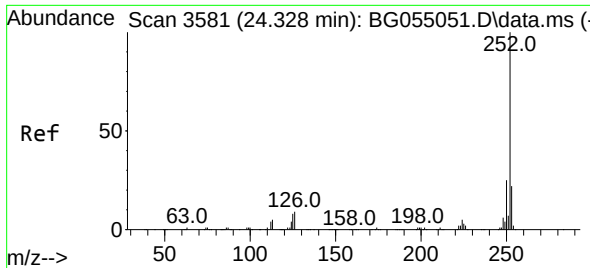
Delta R.T. 0.002 min

Lab File: BG055062.D

Acq: 4 Oct 2022 14:07

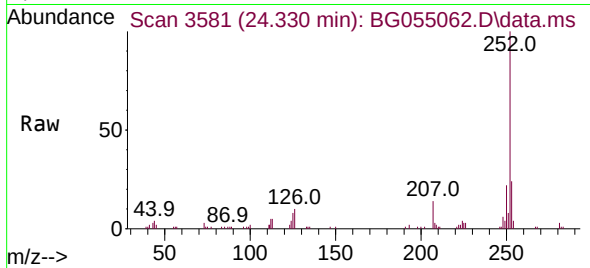
Tgt Ion:	264	Resp:	224717
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.7	29.5
265	21.1	17.8	26.6





#88
Benzo(b)fluoranthene
Concen: 5.426 ng
RT: 24.330 min Scan# 3581
Delta R.T. 0.002 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07

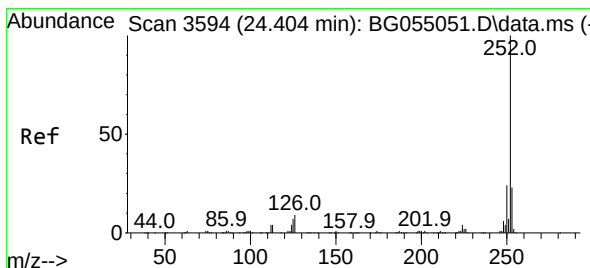
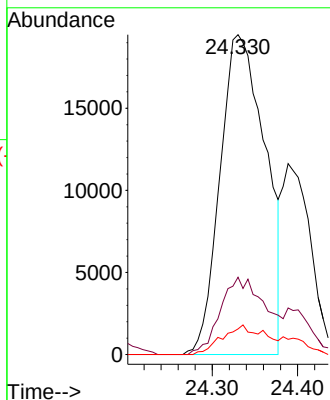
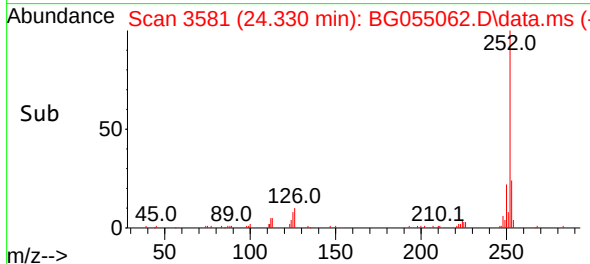
Instrument :
BNA_G
ClientSampleId :
SOIL-001-0930



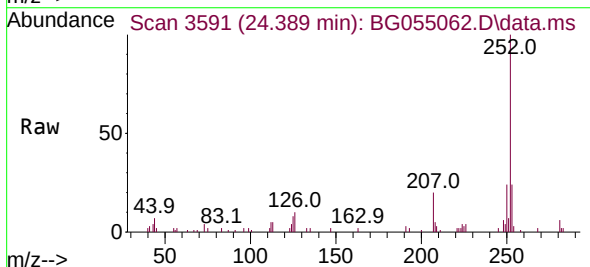
Tgt Ion:252 Resp: 71838
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 8.0 6.1 9.1

Manual Integrations
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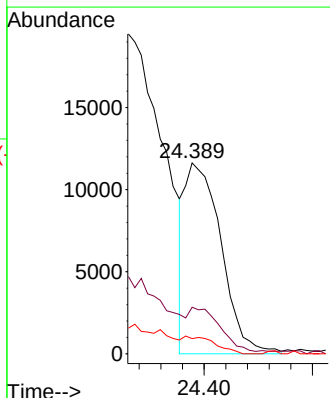
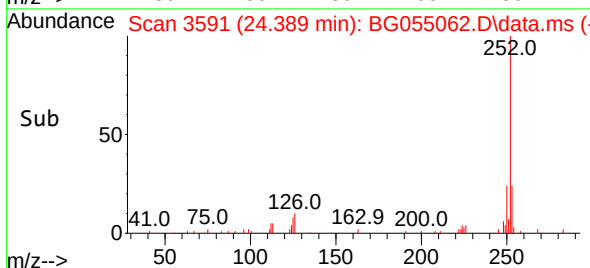
Reviewed By :Jagrut Upadhyay 10/05/2022
Supervised By :mohammad ahmed 10/06/2022

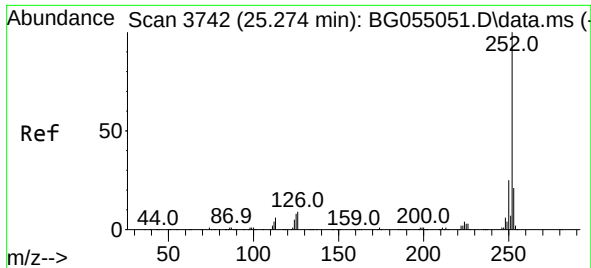


#89
Benzo(k)fluoranthene
Concen: 2.025 ng m
RT: 24.389 min Scan# 3591
Delta R.T. -0.015 min
Lab File: BG055062.D
Acq: 4 Oct 2022 14:07



Tgt Ion:252 Resp: 27010
Ion Ratio Lower Upper
252 100
253 24.4 17.9 26.9
125 8.0 5.8 8.6





#90

Benzo(a)pyrene

Concen: 3.676 ng

RT: 25.264 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG055062.D

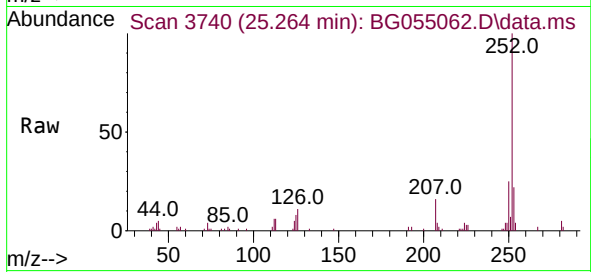
Acq: 4 Oct 2022 14:07

Instrument :

BNA_G

ClientSampleId :

SOIL-001-0930



Tgt Ion:252 Resp: 41721

Ion Ratio Lower Upper

252 100

253 22.3 16.9 25.3

125 7.8 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/05/2022

Supervised By :mohammad ahmed 10/06/2022

