

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
 Data File : BG055968.D
 Acq On : 14 Dec 2022 20:50
 Operator : CG/JU
 Sample : N6024-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-21

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/16/2022

Quant Time: Dec 15 00:52:31 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 02:24:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.375	152	8102	20.000	ng	0.00
21) Naphthalene-d8	11.201	136	30415	20.000	ng	# 0.00
39) Acenaphthene-d10	14.973	164	24184	20.000	ng	0.00
64) Phenanthrene-d10	17.711	188	59826	20.000	ng	# 0.00
76) Chrysene-d12	22.024	240	62076	20.000	ng	# 0.00
86) Perylene-d12	25.526	264	79352	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.884	112	38739	112.133	ng	0.00
7) Phenol-d6	7.494	99	47679	107.306	ng	0.00
23) Nitrobenzene-d5	9.544	82	30952	71.116	ng	0.00
42) 2,4,6-Tribromophenol	16.454	330	62626	107.393	ng	0.00
45) 2-Fluorobiphenyl	13.604	172	114306	66.289	ng	0.00
79) Terphenyl-d14	20.291	244	223402	63.606	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.709	152	7490	3.523	ng	98
58) Fluorene	16.013	166	4859	2.477	ng	# 94
71) Phenanthrene	17.758	178	112947	36.026	ng	99
72) Anthracene	17.846	178	15877	5.119	ng	96
73) Carbazole	18.105	167	6959	2.720	ng	96
75) Fluoranthene	19.750	202	275446	62.741	ng	98
78) Pyrene	20.108	202	313273	83.400	ng	99
81) Benzo(a)anthracene	22.006	228	189425	43.365	ng	98
83) Chrysene	22.077	228	199059	48.623	ng	96
87) Indeno(1,2,3-cd)pyrene	29.556	276	120069	18.817	ng	# 97
88) Benzo(b)fluoranthene	24.415	252	261149	50.851	ng	99
89) Benzo(k)fluoranthene	24.474	252	85757m	16.737	ng	
90) Benzo(a)pyrene	25.361	252	206309	47.526	ng	98
91) Dibenzo(a,h)anthracene	29.615	278	32482	6.082	ng	# 84
92) Benzo(g,h,i)perylene	30.819	276	119814	23.203	ng	94

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

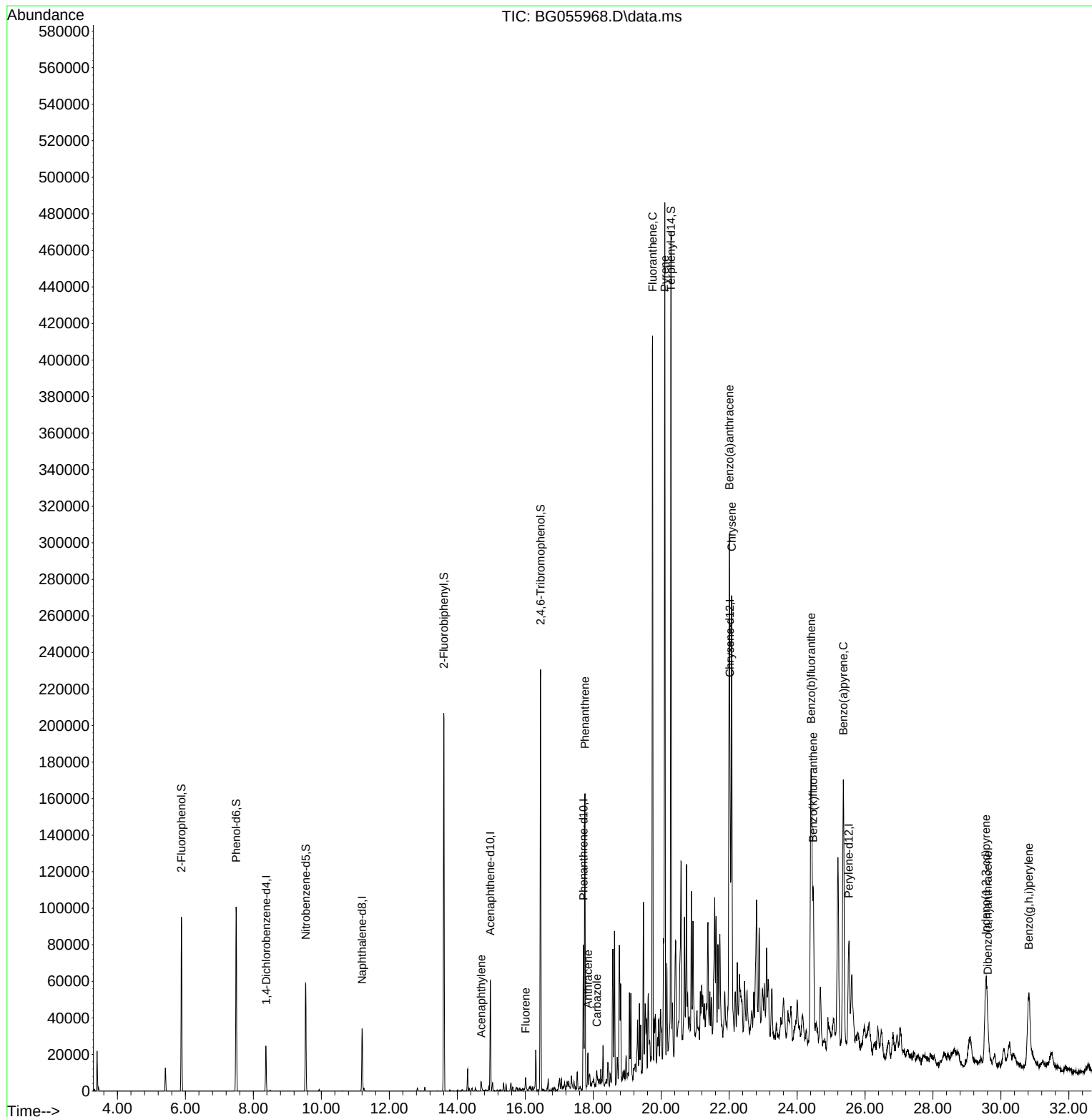
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

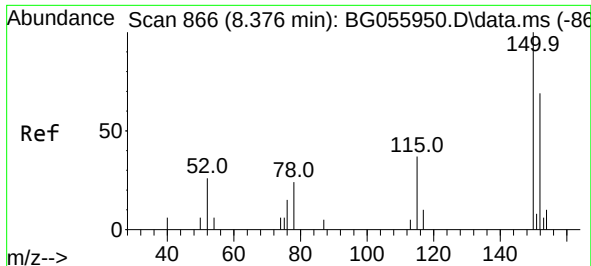
Instrument :
BNA_G
ClientSampleId :
MH-21

Quant Time: Dec 15 00:52:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 14 02:24:06 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

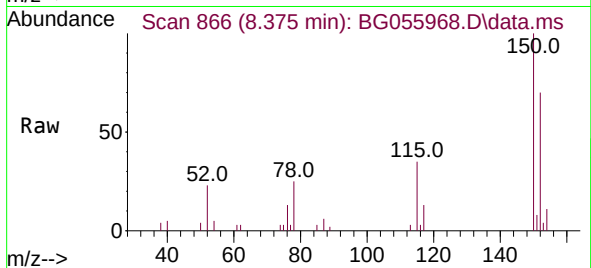
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.375 min Scan# 866
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

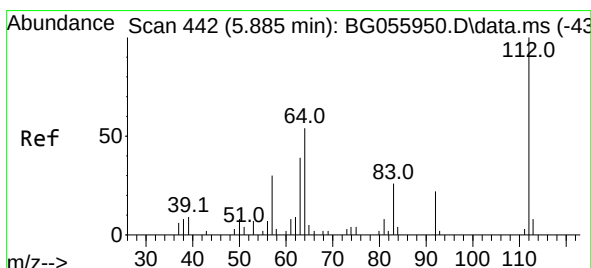
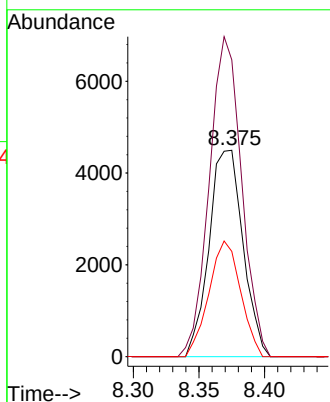
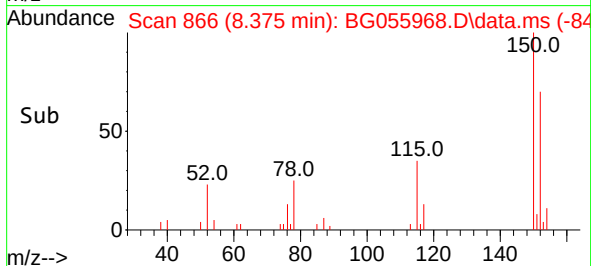
Instrument :
BNA_G
ClientSampleId :
MH-21



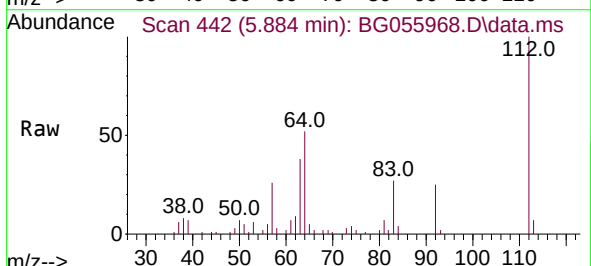
Tgt Ion:152 Resp: 8102
Ion Ratio Lower Upper
152 100
150 143.8 115.7 173.5
115 51.0 43.0 64.4

Manual Integrations
APPROVED

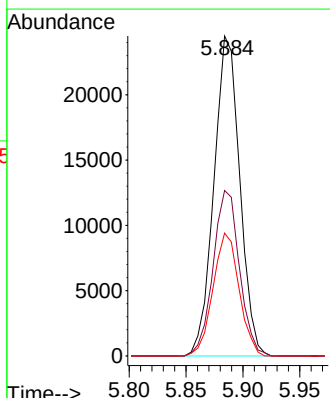
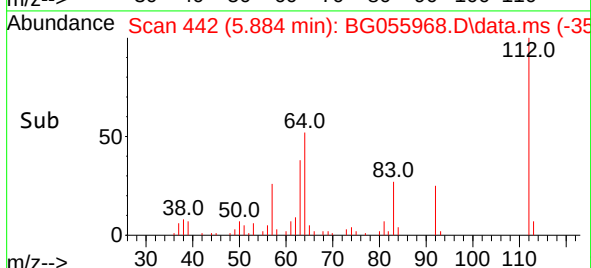
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

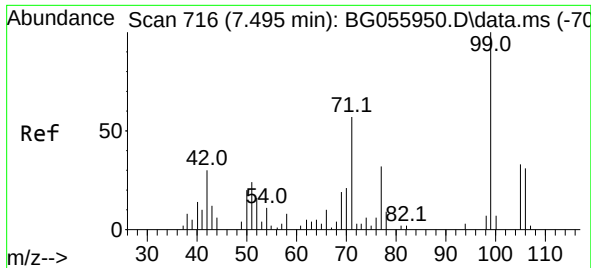


#5
2-Fluorophenol
Concen: 112.133 ng
RT: 5.884 min Scan# 442
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50



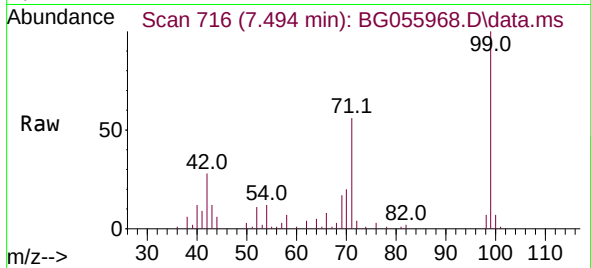
Tgt Ion:112 Resp: 38739
Ion Ratio Lower Upper
112 100
64 51.7 43.0 64.4
63 38.4 31.4 47.2





#7
Phenol-d6
Concen: 107.306 ng
RT: 7.494 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

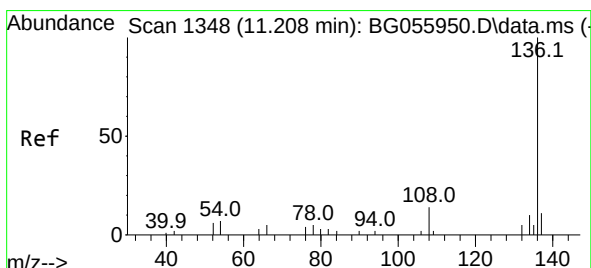
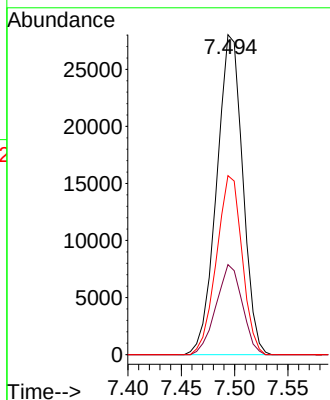
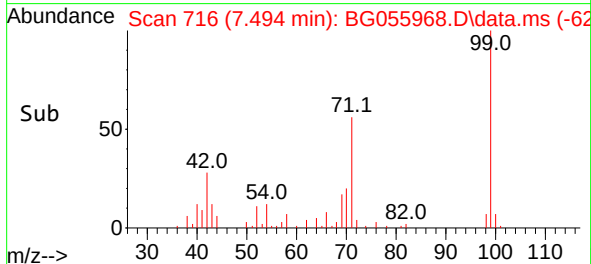
Instrument :
BNA_G
ClientSampleId :
MH-21



Tgt Ion: 99 Resp: 47679
Ion Ratio Lower Upper
99 100
42 28.1 24.3 36.5
71 55.9 45.6 68.4

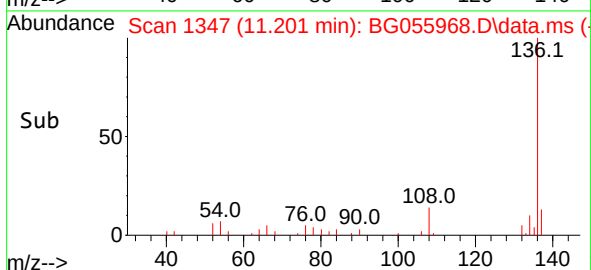
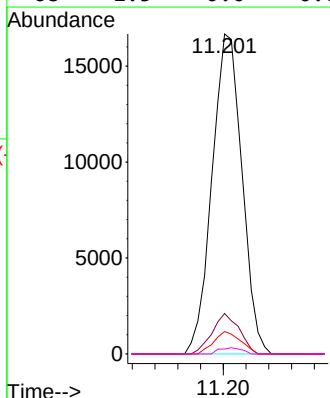
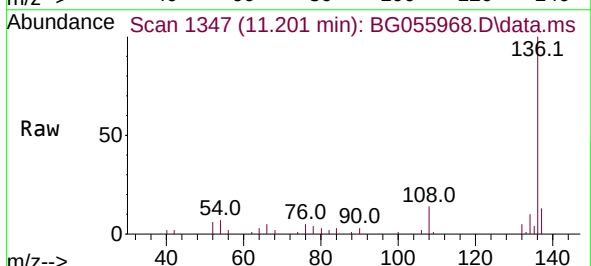
Manual Integrations
APPROVED

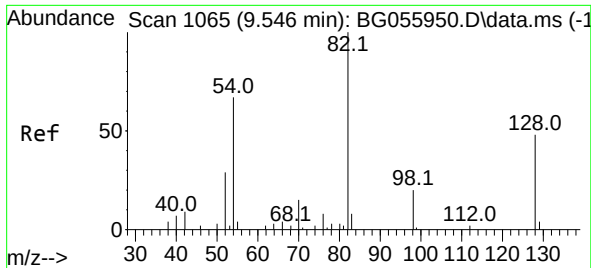
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.201 min Scan# 1347
Delta R.T. -0.007 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Tgt Ion:136 Resp: 30415
Ion Ratio Lower Upper
136 100
137 12.6 9.2 13.8
54 7.0 5.6 8.4
68 1.5 0.0 0.0#





#23
Nitrobenzene-d5
Concen: 71.116 ng
RT: 9.544 min Scan# 1065
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

Instrument :

BNA_G

ClientSampleId :

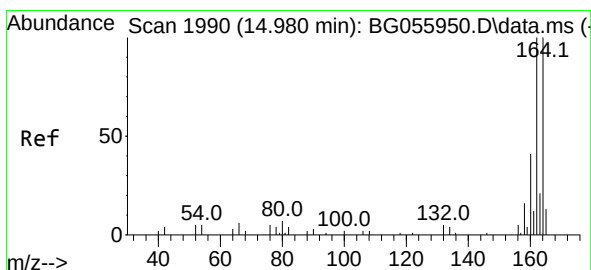
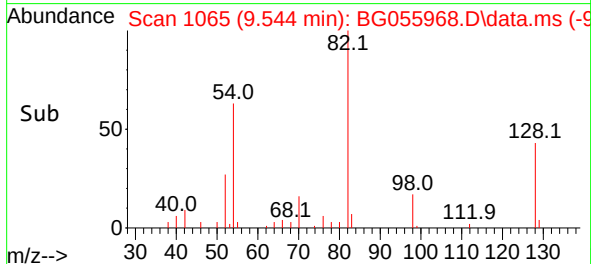
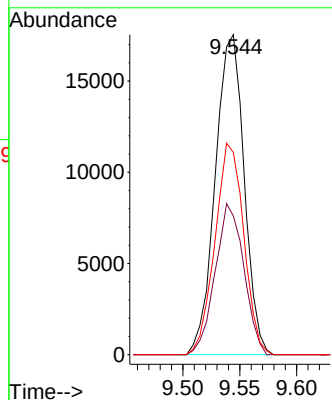
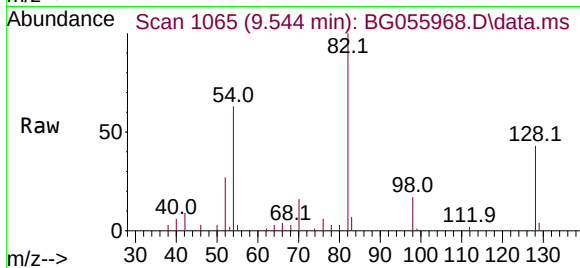
MH-21

Tgt Ion: 82 Resp: 30952
Ion Ratio Lower Upper
82 100
128 43.3 38.4 57.6
54 63.2 53.3 79.9

Manual Integrations

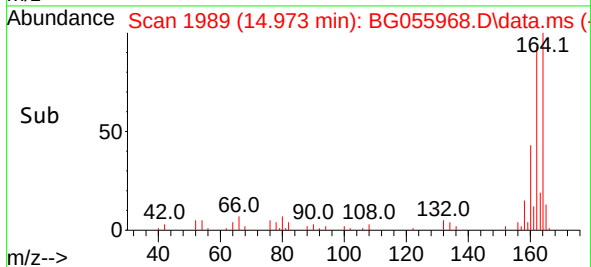
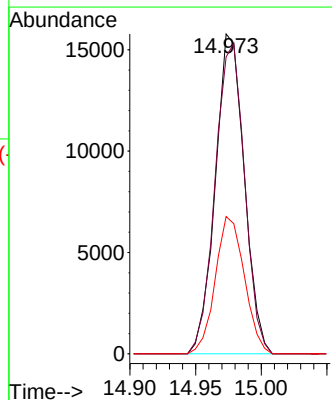
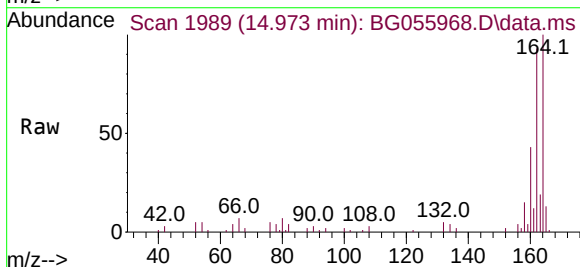
APPROVED

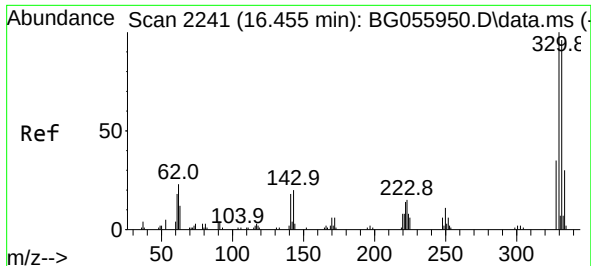
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.973 min Scan# 1989
Delta R.T. -0.007 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

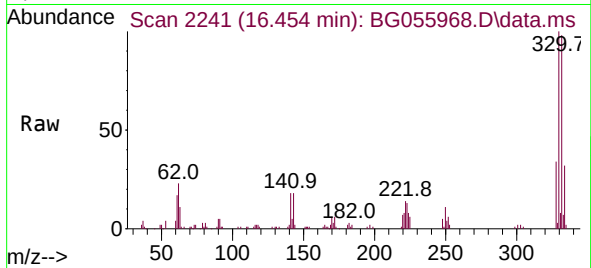
Tgt Ion:164 Resp: 24184
Ion Ratio Lower Upper
164 100
162 92.8 79.8 119.8
160 42.9 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 107.393 ng
RT: 16.454 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

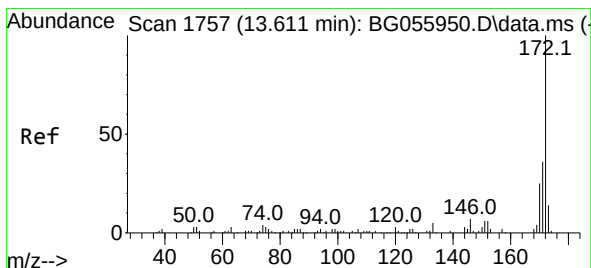
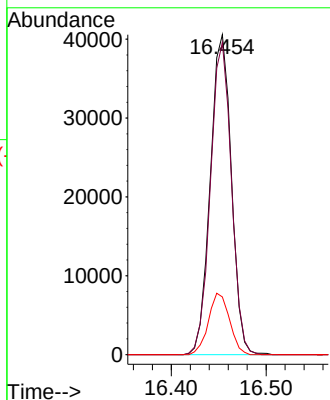
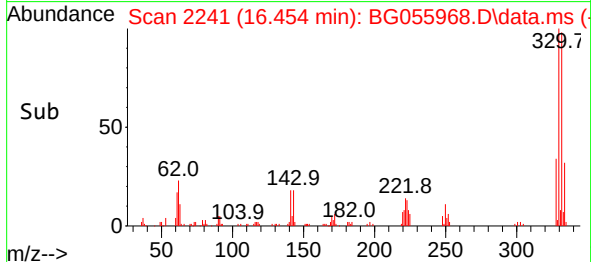
Instrument :
BNA_G
ClientSampleId :
MH-21



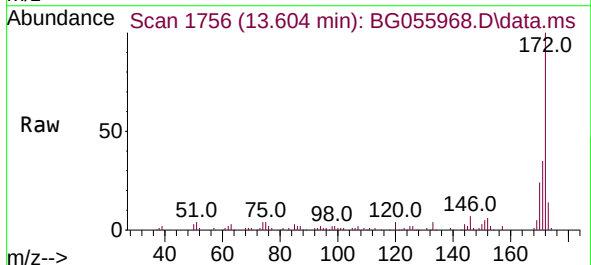
Tgt Ion:330 Resp: 62626
Ion Ratio Lower Upper
330 100
332 96.8 76.6 114.8
141 19.2 15.0 22.4

Manual Integrations
APPROVED

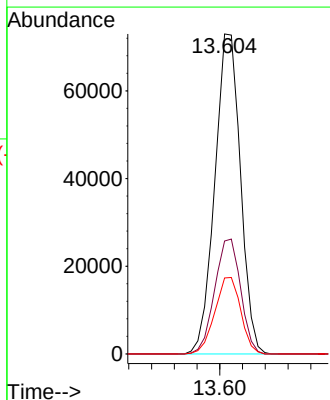
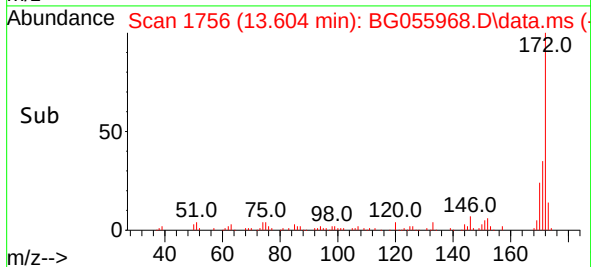
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

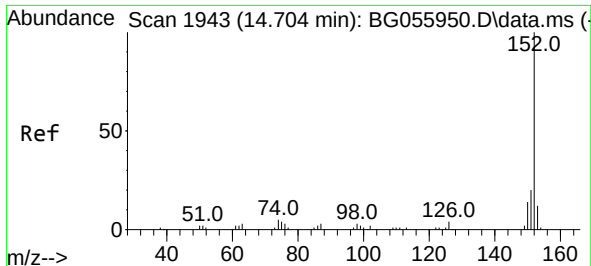


#45
2-Fluorobiphenyl
Concen: 66.289 ng
RT: 13.604 min Scan# 1756
Delta R.T. -0.007 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50



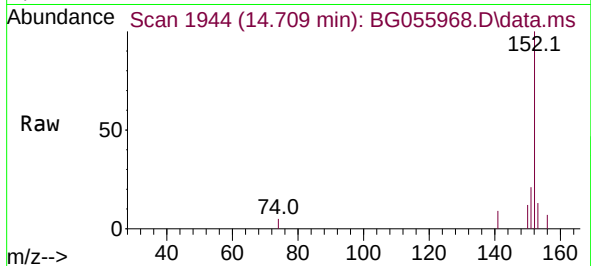
Tgt Ion:172 Resp: 114306
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.7 19.9 29.9





#49
Acenaphthylene
Concen: 3.523 ng
RT: 14.709 min Scan# 1944
Delta R.T. 0.005 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

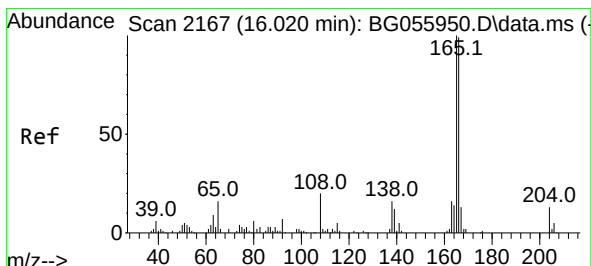
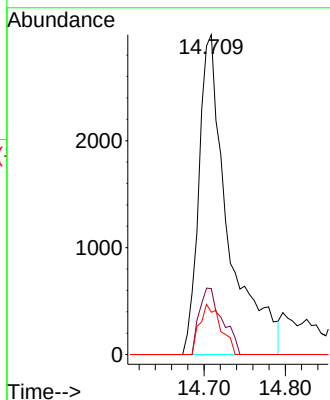
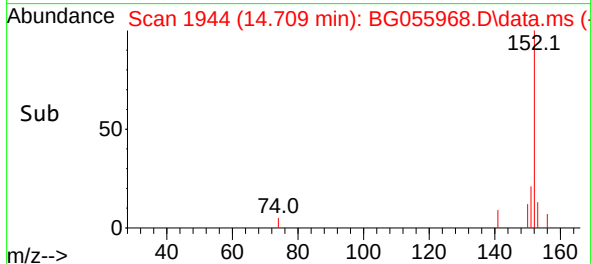
Instrument :
BNA_G
ClientSampleId :
MH-21



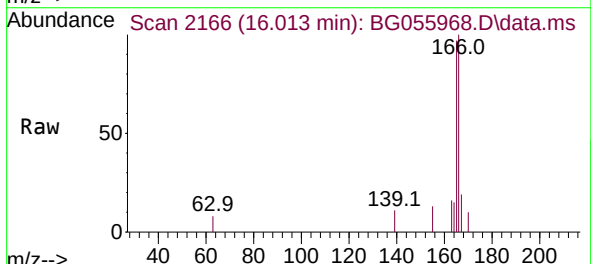
Tgt Ion:152 Resp: 7490
Ion Ratio Lower Upper
152 100
151 20.6 15.8 23.8
153 13.2 10.0 15.0

Manual Integrations
APPROVED

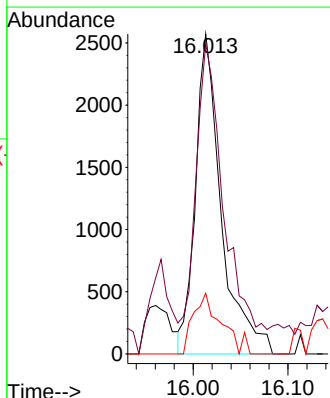
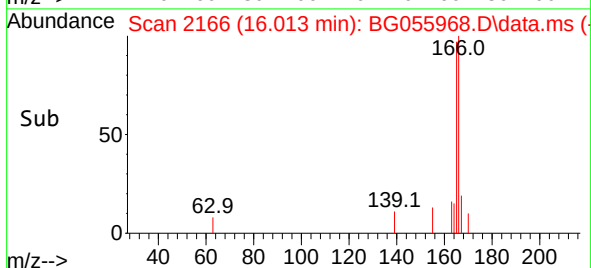
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

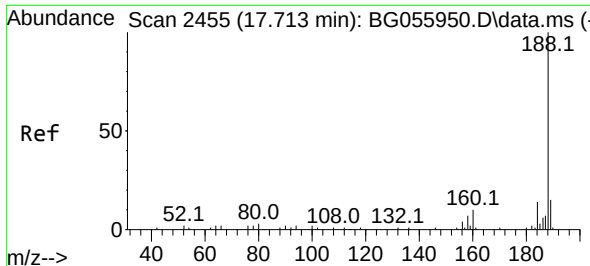


#58
Fluorene
Concen: 2.477 ng
RT: 16.013 min Scan# 2166
Delta R.T. -0.007 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50



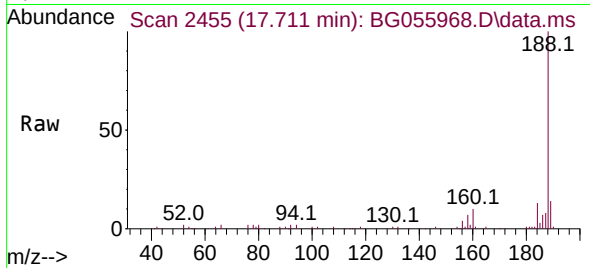
Tgt Ion:166 Resp: 4859
Ion Ratio Lower Upper
166 100
165 97.0 81.1 121.7
167 19.0 10.5 15.7#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.711 min Scan# 2455
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

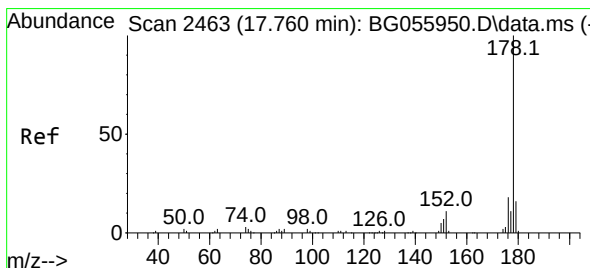
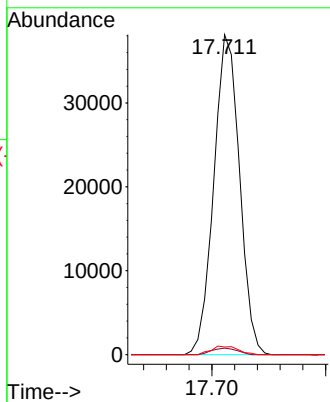
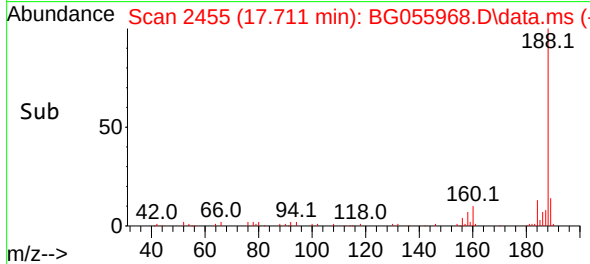
Instrument :
BNA_G
ClientSampleId :
MH-21



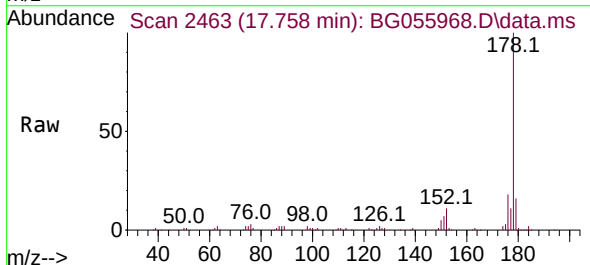
Tgt Ion:188 Resp: 59826
Ion Ratio Lower Upper
188 100
94 2.0 1.8 2.8
80 2.4 2.4 3.6

Manual Integrations
APPROVED

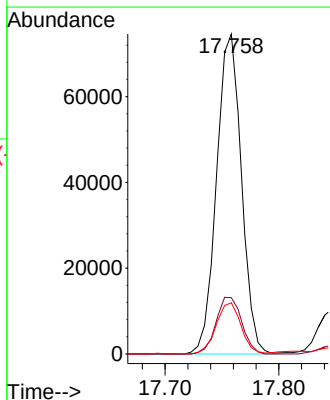
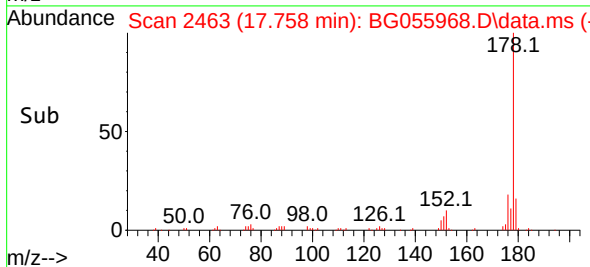
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

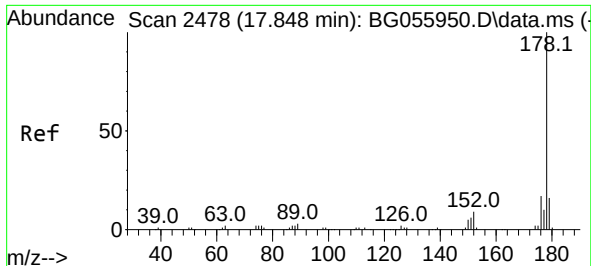


#71
Phenanthrene
Concen: 36.026 ng
RT: 17.758 min Scan# 2463
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50



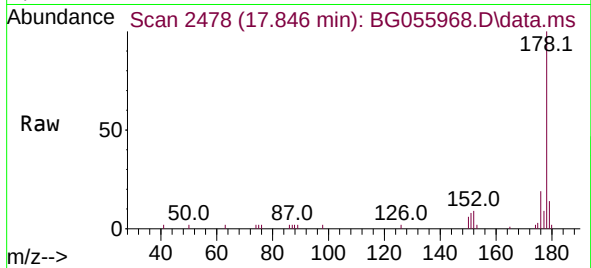
Tgt Ion:178 Resp: 112947
Ion Ratio Lower Upper
178 100
176 17.6 14.4 21.6
179 16.0 12.7 19.1





#72
 Anthracene
 Concen: 5.119 ng
 RT: 17.846 min Scan# 2478
 Delta R.T. -0.001 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50

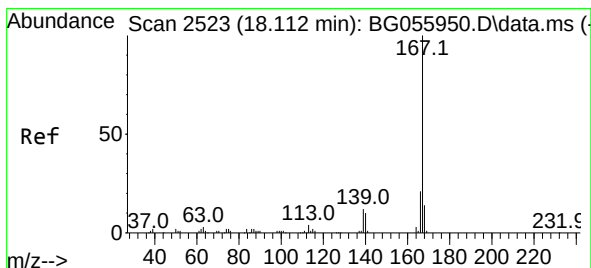
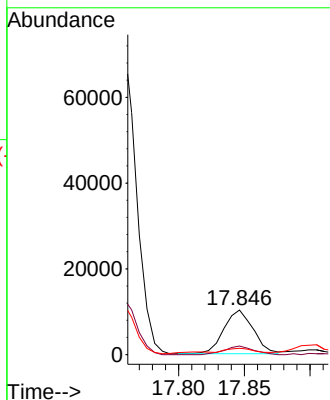
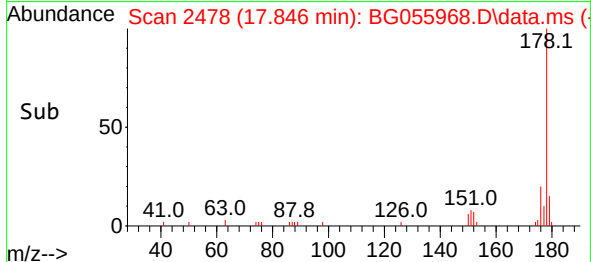
Instrument :
 BNA_G
 ClientSampleId :
 MH-21



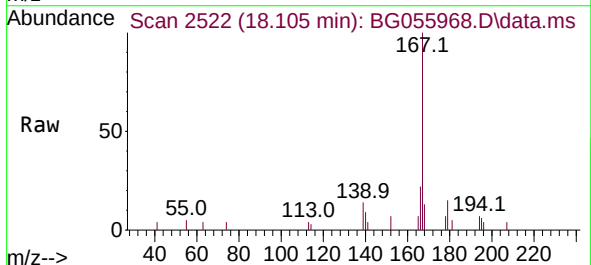
Tgt Ion:178 Resp: 15872
 Ion Ratio Lower Upper
 178 100
 176 19.4 13.9 20.9
 179 14.3 12.7 19.1

Manual Integrations
 APPROVED

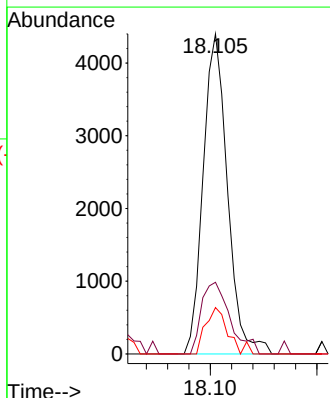
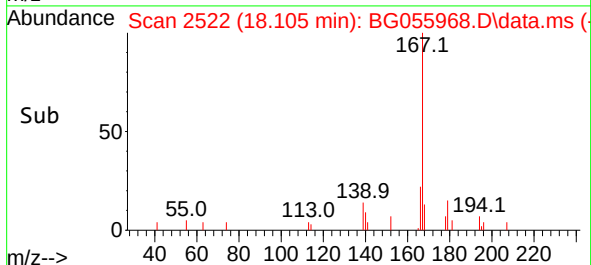
Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/16/2022

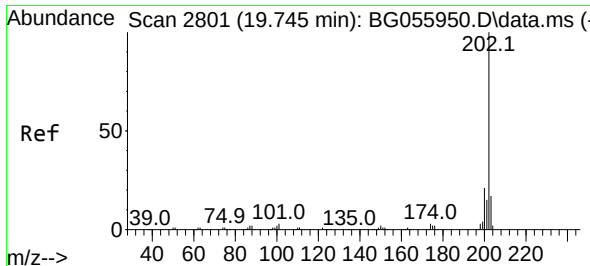


#73
 Carbazole
 Concen: 2.720 ng
 RT: 18.105 min Scan# 2522
 Delta R.T. -0.007 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50



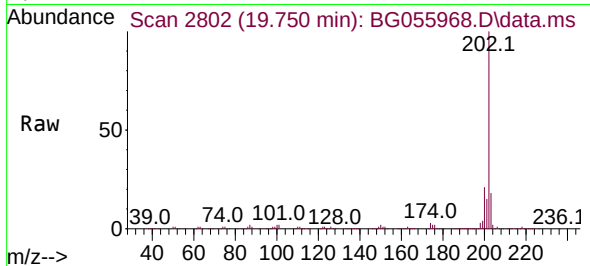
Tgt Ion:167 Resp: 6959
 Ion Ratio Lower Upper
 167 100
 166 22.4 16.6 25.0
 139 14.5 9.7 14.5





#75
Fluoranthene
Concen: 62.741 ng
RT: 19.750 min Scan# 2801
Delta R.T. 0.004 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

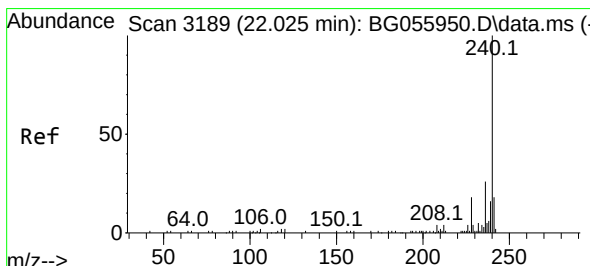
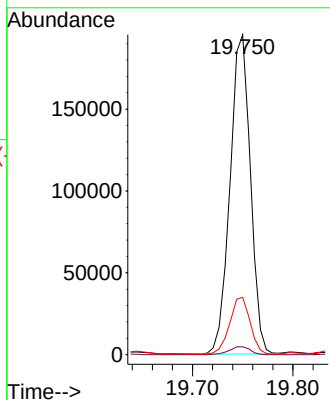
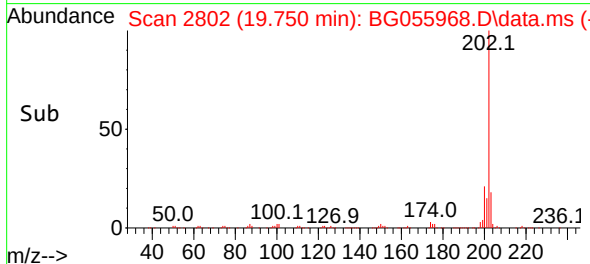
Instrument :
BNA_G
ClientSampleId :
MH-21



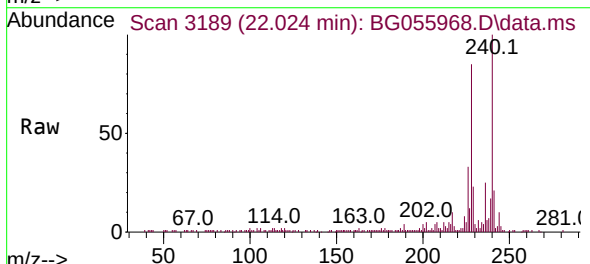
Tgt Ion:202 Resp: 275446
Ion Ratio Lower Upper
202 100
101 2.4 0.0 22.6
203 17.9 0.0 37.1

Manual Integrations
APPROVED

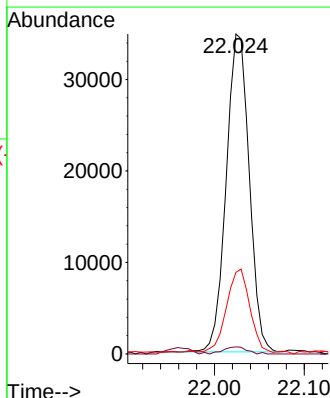
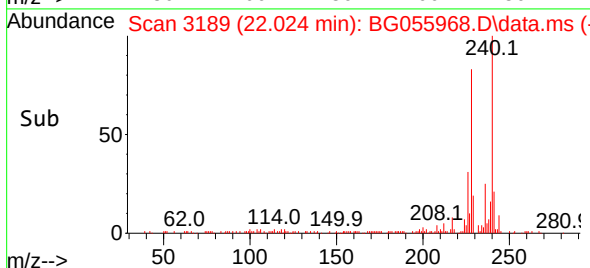
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

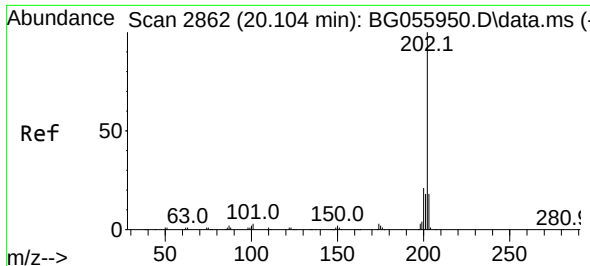


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.024 min Scan# 3189
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50



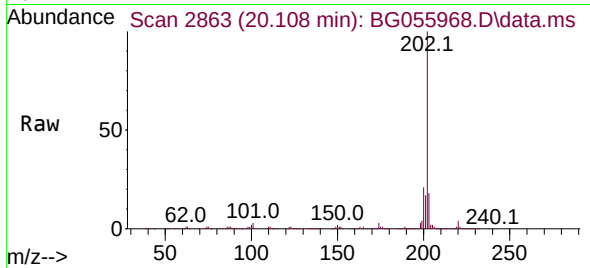
Tgt Ion:240 Resp: 62076
Ion Ratio Lower Upper
240 100
120 2.9 1.7 2.5#
236 25.5 21.1 31.7





#78
 Pyrene
 Concen: 83.400 ng
 RT: 20.108 min Scan# 2863
 Delta R.T. 0.005 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50

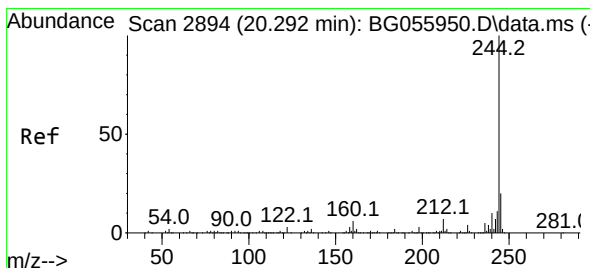
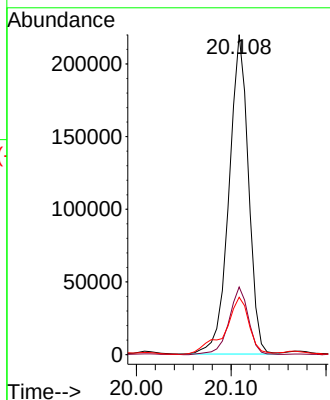
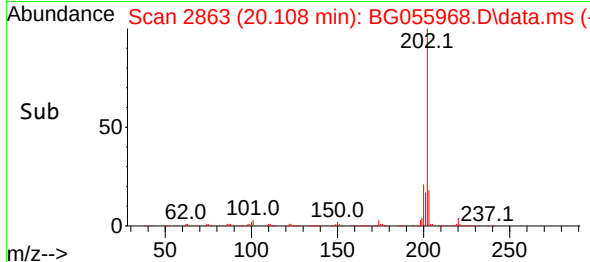
Instrument :
 BNA_G
 ClientSampleId :
 MH-21



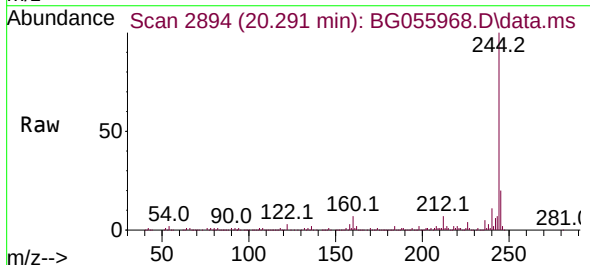
Tgt Ion:202 Resp: 313273
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.7 25.1
 203 17.9 14.6 21.8

Manual Integrations
 APPROVED

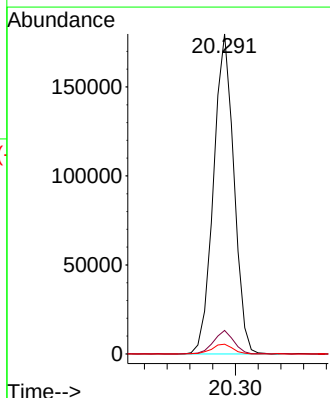
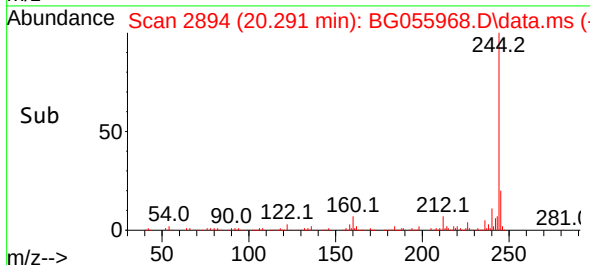
Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/16/2022

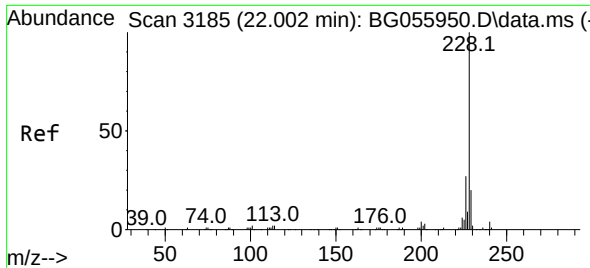


#79
 Terphenyl-d14
 Concen: 63.606 ng
 RT: 20.291 min Scan# 2894
 Delta R.T. -0.001 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50



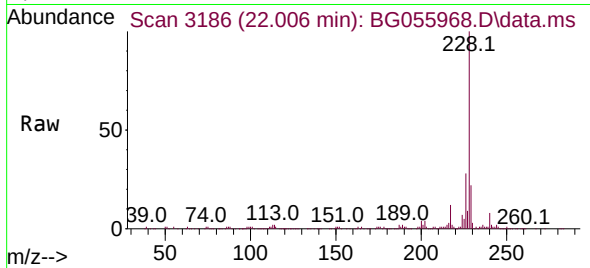
Tgt Ion:244 Resp: 223402
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 3.0 2.5 3.7





#81
Benzo(a)anthracene
Concen: 43.365 ng
RT: 22.006 min Scan# 3185
Delta R.T. 0.005 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50

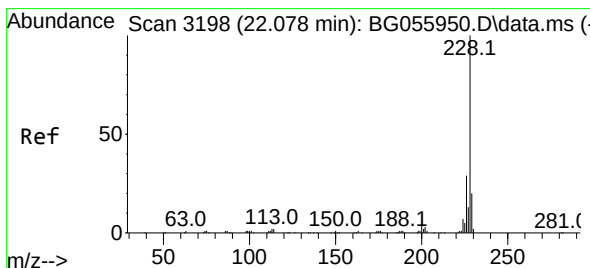
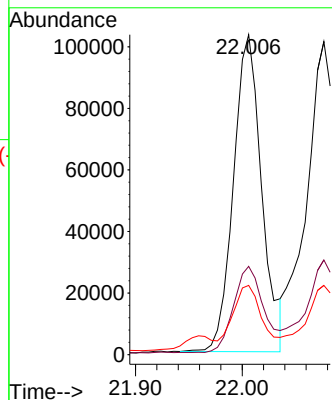
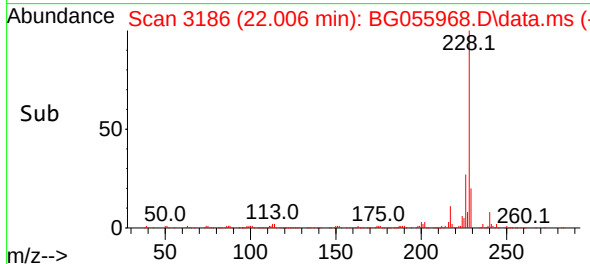
Instrument :
BNA_G
ClientSampleId :
MH-21



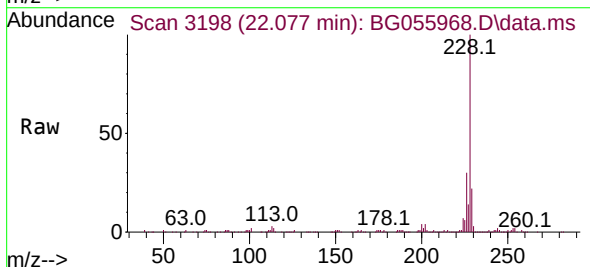
Tgt Ion:228 Resp: 189425
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.6
229 21.6 15.9 23.9

Manual Integrations
APPROVED

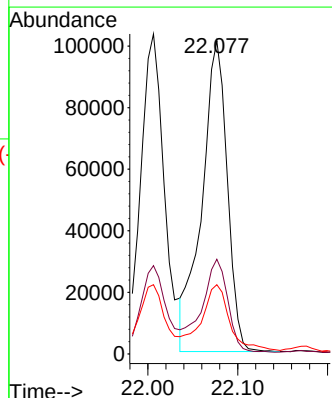
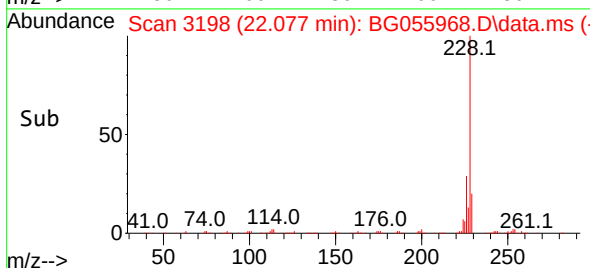
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022

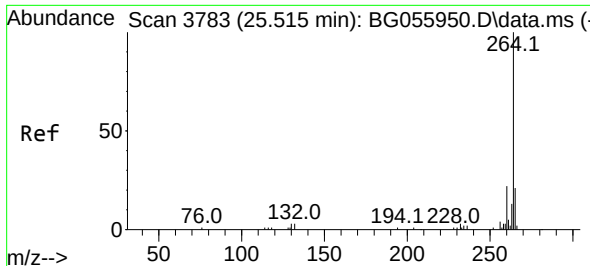


#83
Chrysene
Concen: 48.623 ng
RT: 22.077 min Scan# 3198
Delta R.T. -0.001 min
Lab File: BG055968.D
Acq: 14 Dec 2022 20:50



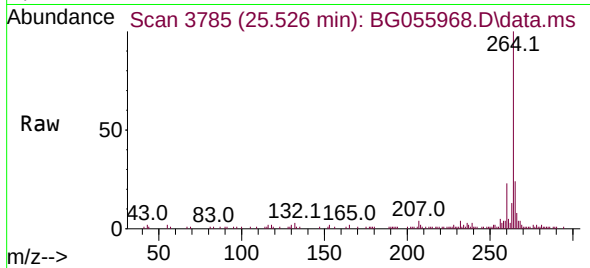
Tgt Ion:228 Resp: 199059
Ion Ratio Lower Upper
228 100
226 30.3 23.1 34.7
229 22.1 15.7 23.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.526 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50

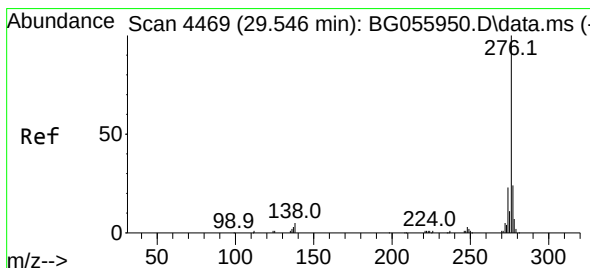
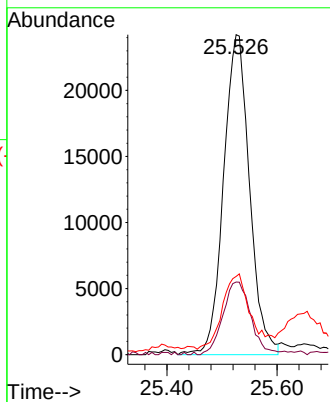
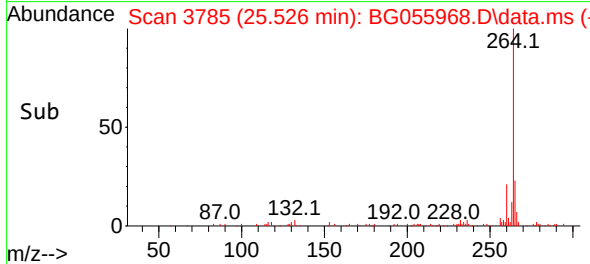
Instrument :
 BNA_G
 ClientSampleId :
 MH-21



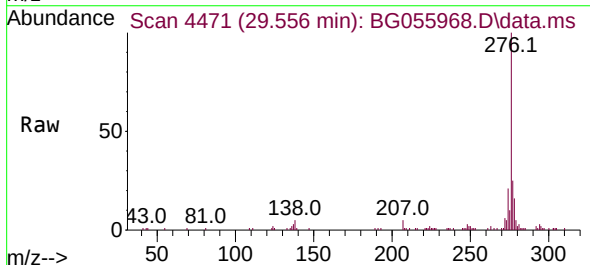
Tgt Ion:264 Resp: 79352
 Ion Ratio Lower Upper
 264 100
 260 22.7 17.8 26.8
 265 24.4 16.6 25.0

Manual Integrations
 APPROVED

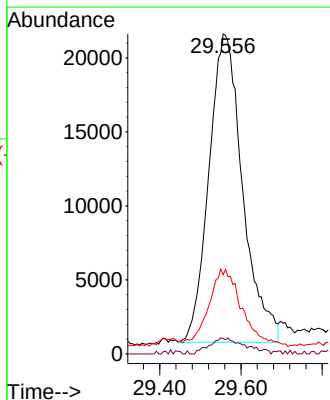
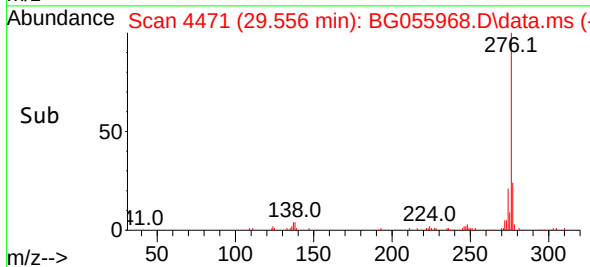
Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/16/2022

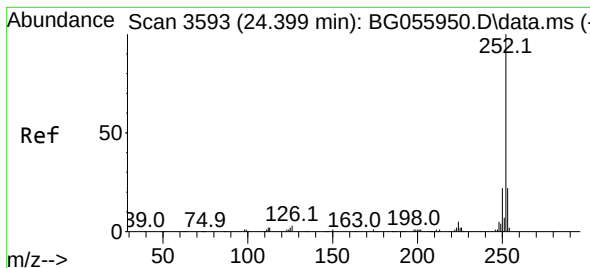


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 18.817 ng
 RT: 29.556 min Scan# 4471
 Delta R.T. 0.010 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50



Tgt Ion:276 Resp: 120069
 Ion Ratio Lower Upper
 276 100
 138 5.1 3.0 4.4#
 277 24.4 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 50.851 ng

RT: 24.415 min Scan# 3596

Delta R.T. 0.016 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

Instrument :

BNA_G

ClientSampleId :

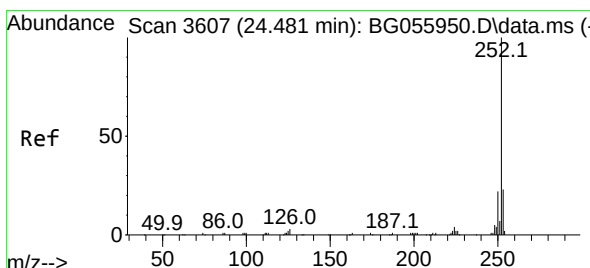
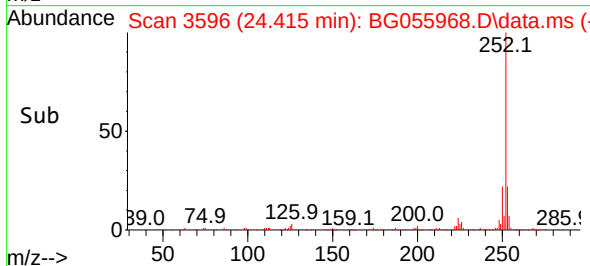
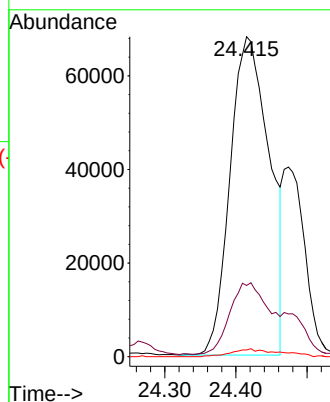
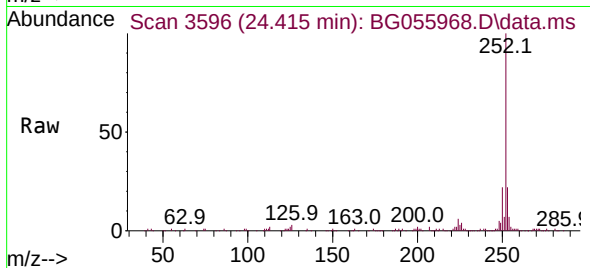
MH-21

Tgt Ion:252 Resp: 261149
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.4 26.0
 125 2.1 1.8 2.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/16/2022



#89

Benzo(k)fluoranthene

Concen: 16.737 ng m

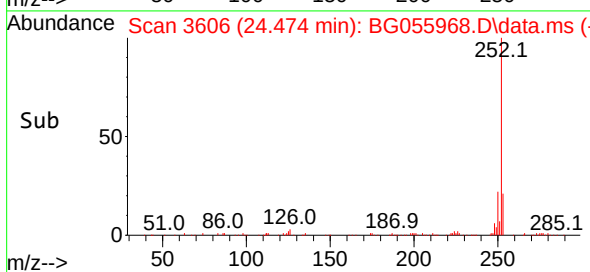
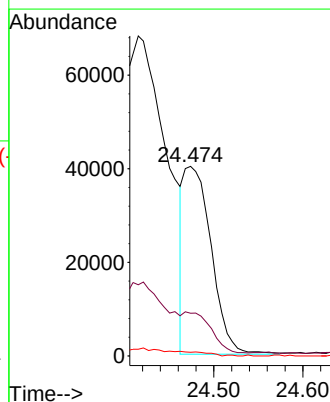
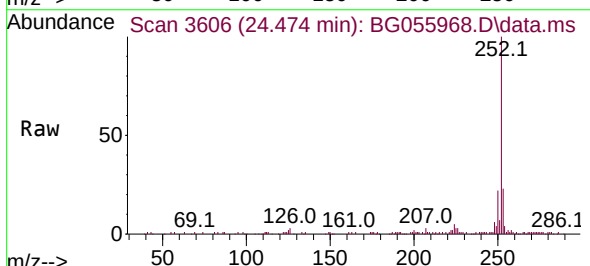
RT: 24.474 min Scan# 3606

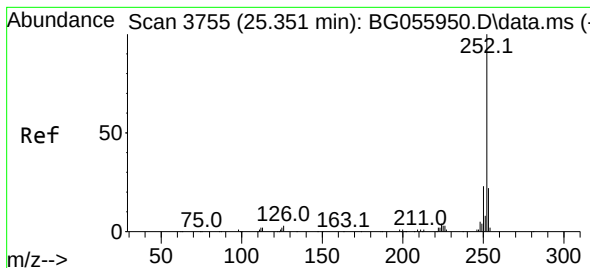
Delta R.T. -0.007 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

Tgt Ion:252 Resp: 85757
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.2 27.2
 125 1.9 2.0 3.0





#90

Benzo(a)pyrene

Concen: 47.526 ng

RT: 25.361 min Scan# 31

Delta R.T. 0.010 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

Instrument :

BNA_G

ClientSampleId :

MH-21

Tgt Ion:252 Resp: 206309

Ion Ratio Lower Upper

252 100

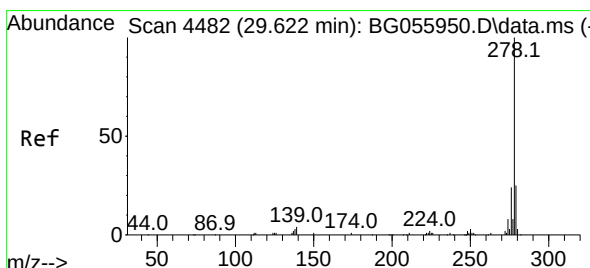
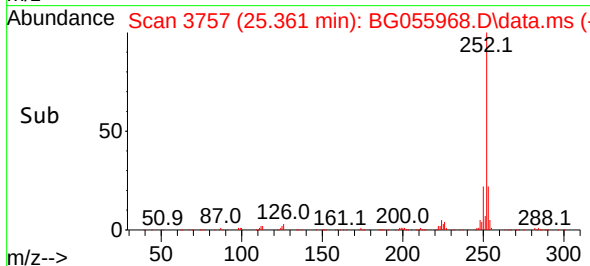
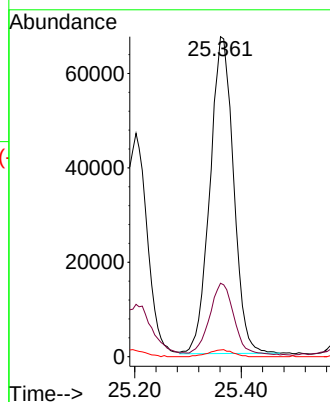
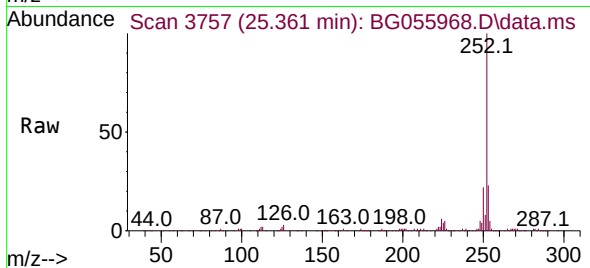
253 22.9 17.7 26.5

125 2.1 1.9 2.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/16/2022



#91

Dibenzo(a,h)anthracene

Concen: 6.082 ng

RT: 29.615 min Scan# 4481

Delta R.T. -0.007 min

Lab File: BG055968.D

Acq: 14 Dec 2022 20:50

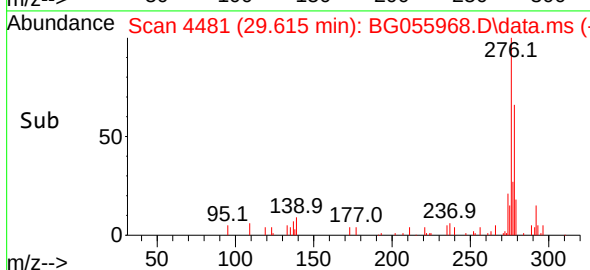
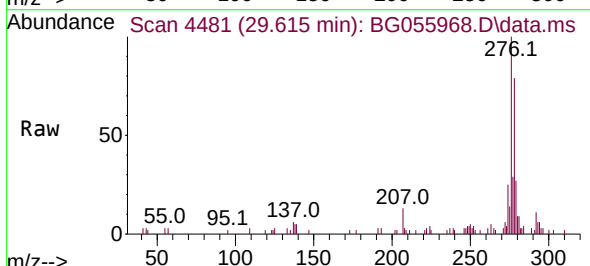
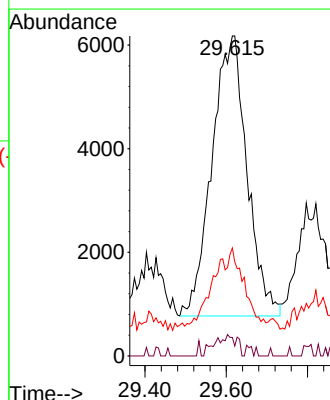
Tgt Ion:278 Resp: 32482

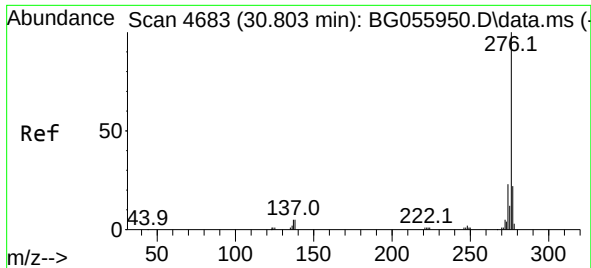
Ion Ratio Lower Upper

278 100

139 5.8 2.9 4.3#

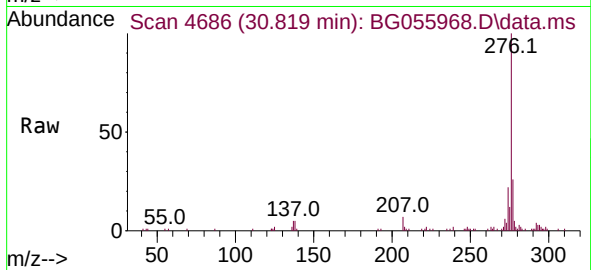
279 33.7 20.0 30.0#





#92
 Benzo(g,h,i)perylene
 Concen: 23.203 ng
 RT: 30.819 min Scan# 4686
 Delta R.T. 0.016 min
 Lab File: BG055968.D
 Acq: 14 Dec 2022 20:50

Instrument :
 BNA_G
 ClientSampleId :
 MH-21



Tgt Ion: 276 Resp: 119814
 Ion Ratio Lower Upper
 276 100
 277 25.8 17.8 26.6
 138 4.6 3.8 5.6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/16/2022

