

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
 Data File : BG060101.D
 Acq On : 20 Dec 2023 12:47
 Operator : MA/JU
 Sample : 05853-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-WALL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

Quant Time: Dec 20 13:31:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.950	152	57818	20.000	ng	# 0.00
21) Naphthalene-d8	10.758	136	204222	20.000	ng	# 0.00
39) Acenaphthene-d10	14.589	164	190289	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	556822	20.000	ng	# 0.00
76) Chrysene-d12	21.610	240	642608	20.000	ng	# 0.00
86) Perylene-d12	24.795	264	737353	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	216571	64.121	ng	0.00
7) Phenol-d6	7.109	99	325276	68.465	ng	0.00
23) Nitrobenzene-d5	9.113	82	257604	57.278	ng	0.00
42) 2,4,6-Tribromophenol	16.075	330	411667	92.830	ng	0.00
45) 2-Fluorobiphenyl	13.214	172	861514	55.411	ng	0.00
79) Terphenyl-d14	19.959	244	2091918	59.433	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.380	178	561573	20.821	ng	98
72) Anthracene	17.468	178	107839	3.977	ng	98
73) Carbazole	17.738	167	66450	2.884	ng	98
75) Fluoranthene	19.395	202	1016091	25.817	ng	96
78) Pyrene	19.753	202	812466	20.857	ng	99
81) Benzo(a)anthracene	21.587	228	477470	11.061	ng	97
83) Chrysene	21.651	228	430963	10.538	ng	97
87) Indeno(1,2,3-cd)pyrene	28.426	276	308094	5.855	ng	# 93
88) Benzo(b)fluoranthene	23.784	252	568763m	12.490	ng	
89) Benzo(k)fluoranthene	23.843	252	197184m	4.464	ng	
90) Benzo(a)pyrene	24.642	252	407467	10.099	ng	# 92
91) Dibenzo(a,h)anthracene	28.461	278	92064m	2.092	ng	
92) Benzo(g,h,i)perylene	29.554	276	292595	6.685	ng	# 96

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

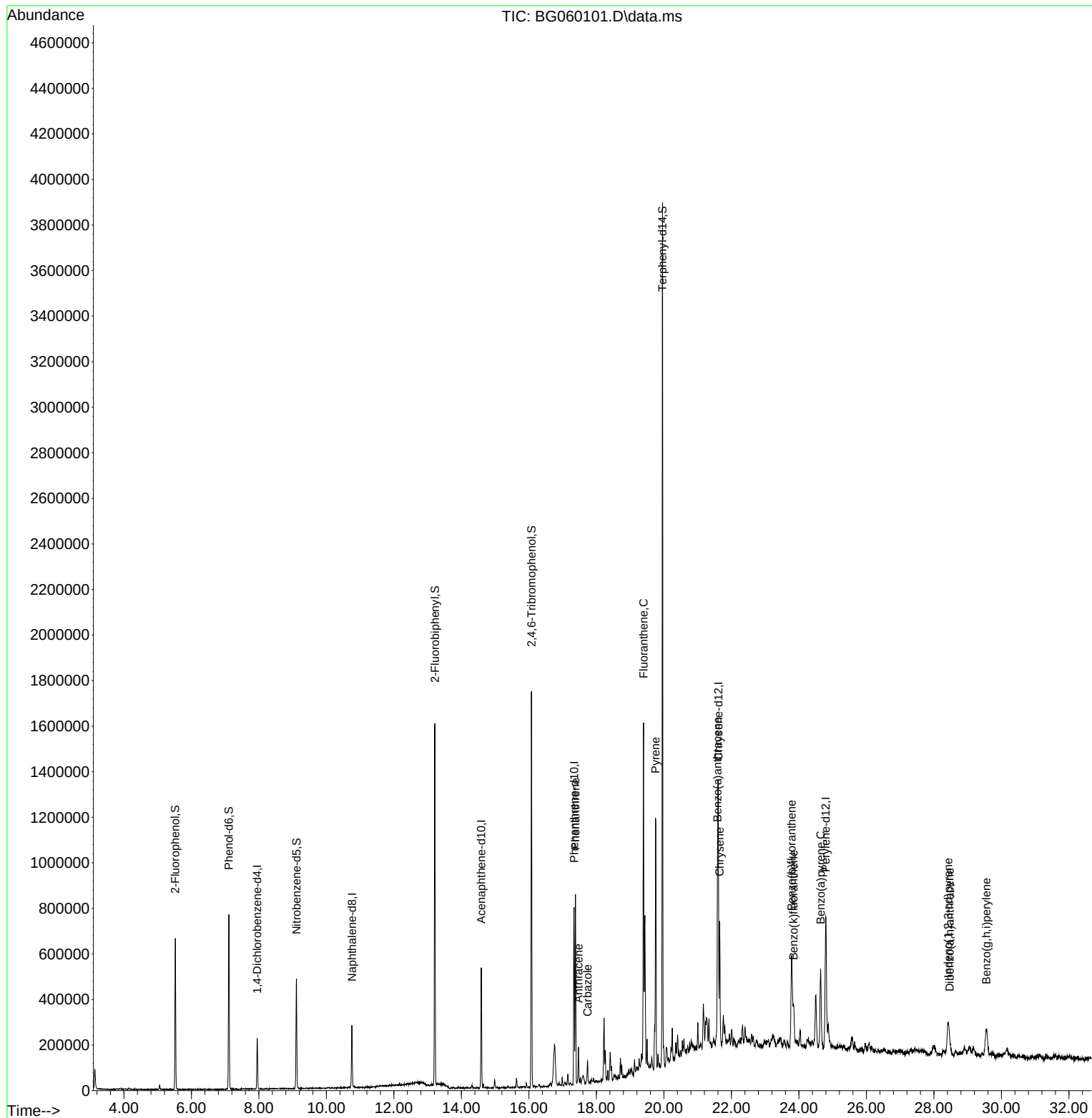
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122023\
Data File : BG060101.D
Acq On : 20 Dec 2023 12:47
Operator : MA/JU
Sample : 05853-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

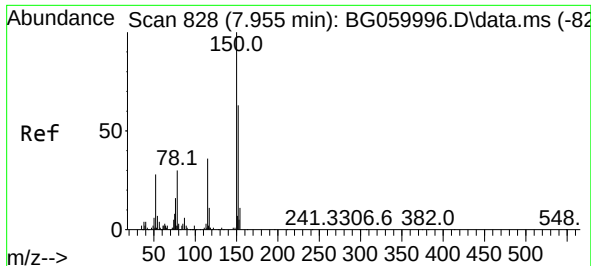
Instrument :
BNA_G
ClientSampleId :
SOUTH-WALL

Quant Time: Dec 20 13:31:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 04:37:23 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023





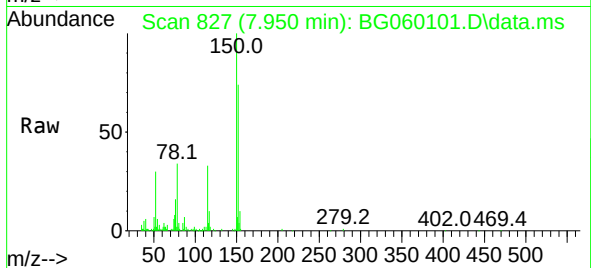
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.950 min Scan# 81
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

SOUTH-WALL

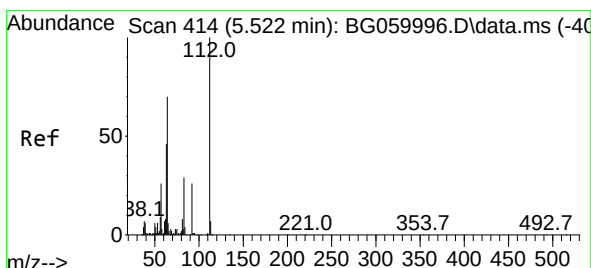
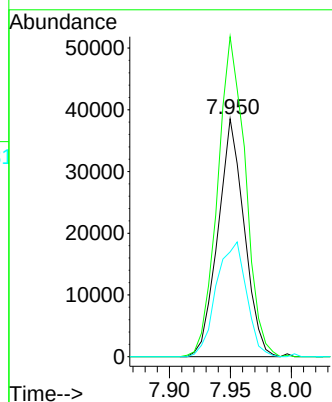
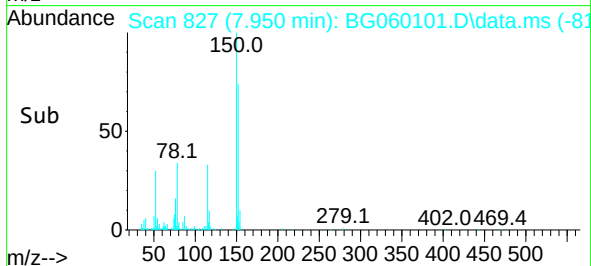


Tgt Ion:152 Resp: 57818
Ion Ratio Lower Upper
152 100
150 134.5 127.0 190.6
115 44.1 45.7 68.5

Manual Integrations

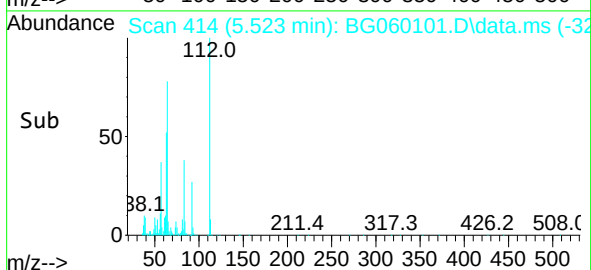
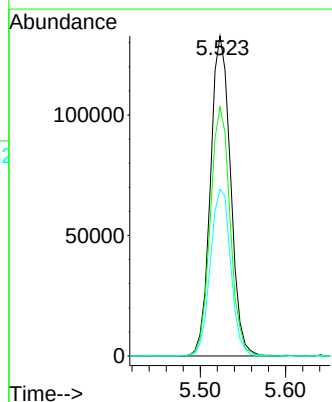
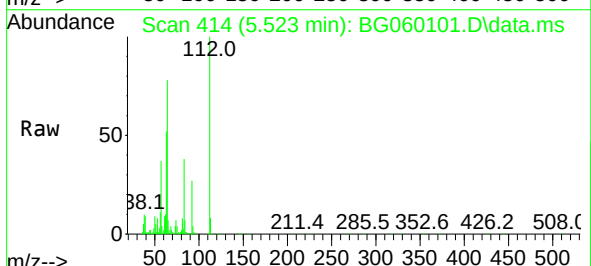
APPROVED

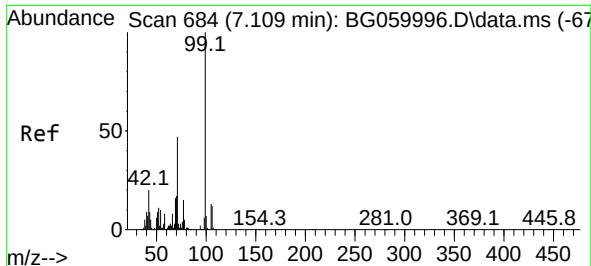
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#5
2-Fluorophenol
Concen: 64.121 ng
RT: 5.523 min Scan# 414
Delta R.T. -0.003 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Tgt Ion:112 Resp: 216571
Ion Ratio Lower Upper
112 100
64 77.8 55.9 83.9
63 52.0 36.5 54.7



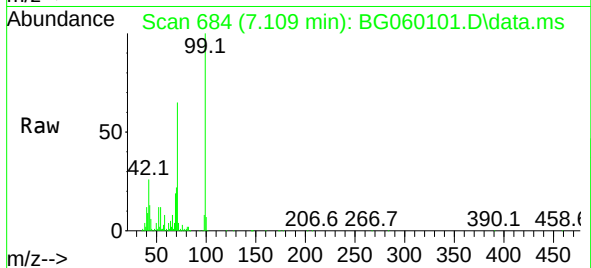


#7
Phenol-d6
Concen: 68.465 ng
RT: 7.109 min Scan# 60
Delta R.T. -0.003 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

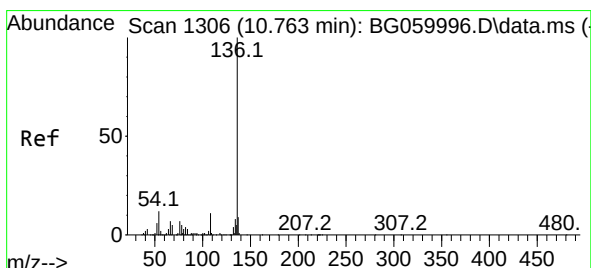
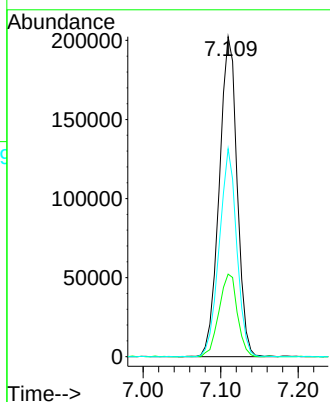
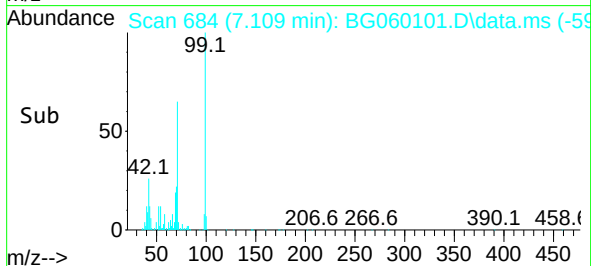
ClientSampleId :
SOUTH-WALL



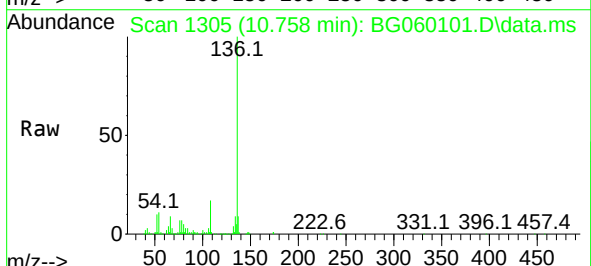
Tgt Ion: 99 Resp: 325270
Ion Ratio Lower Upper
99 100
42 25.8 16.2 24.4
71 65.0 37.6 56.4

Manual Integrations
APPROVED

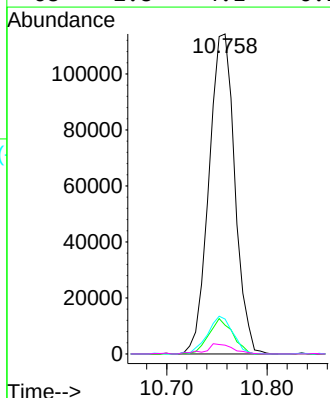
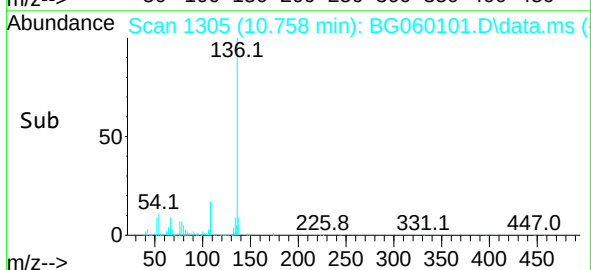
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

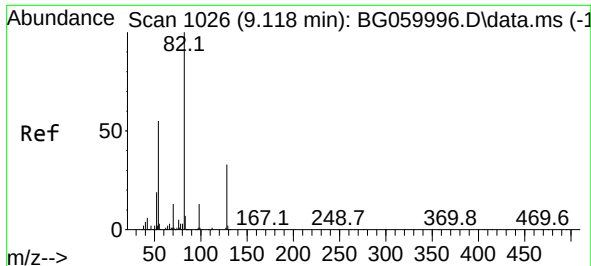


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.758 min Scan# 1305
Delta R.T. -0.003 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47



Tgt Ion:136 Resp: 204222
Ion Ratio Lower Upper
136 100
137 9.0 7.3 10.9
54 10.9 9.6 14.4
68 2.8 4.1 6.1





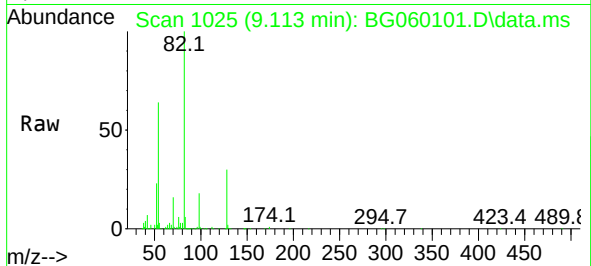
#23
Nitrobenzene-d5
Concen: 57.278 ng
RT: 9.113 min Scan# 1026
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

SOUTH-WALL



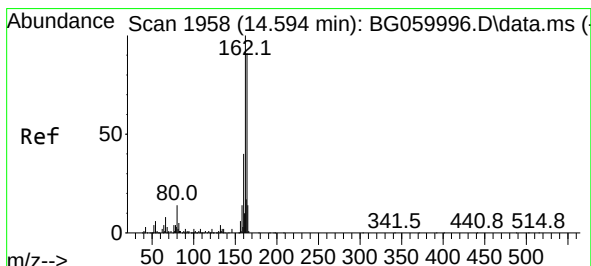
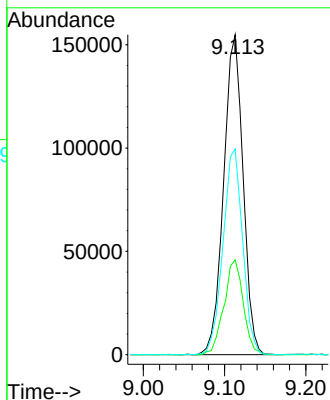
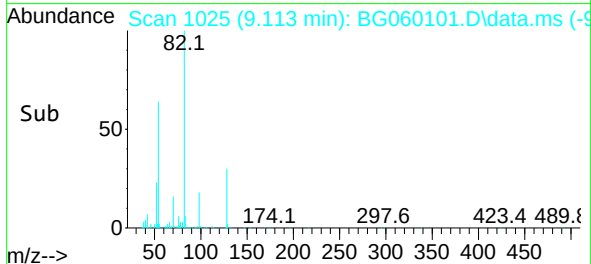
Tgt Ion: 82 Resp: 257604
Ion Ratio Lower Upper
82 100
128 29.6 26.3 39.5
54 64.2 44.3 66.5

Manual Integrations

APPROVED

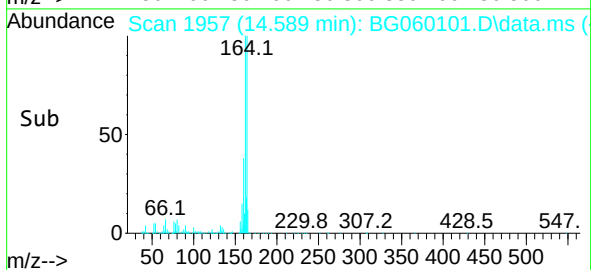
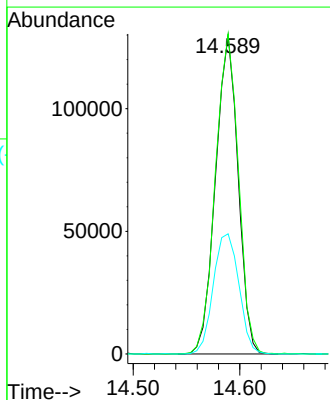
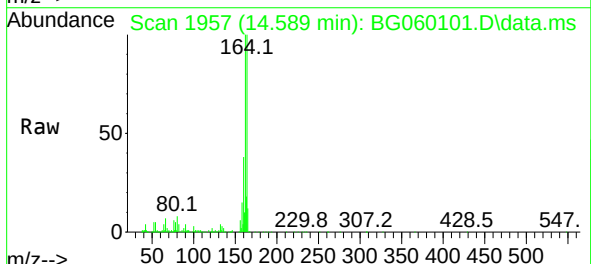
Reviewed By :Yogesh Patel 12/21/2023

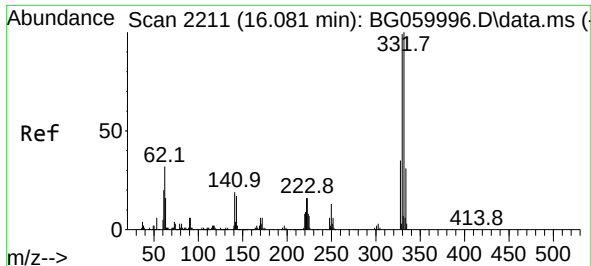
Supervised By :mohammad ahmed 12/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Tgt Ion:164 Resp: 190289
Ion Ratio Lower Upper
164 100
162 100.5 88.1 132.1
160 37.7 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 92.830 ng
RT: 16.075 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

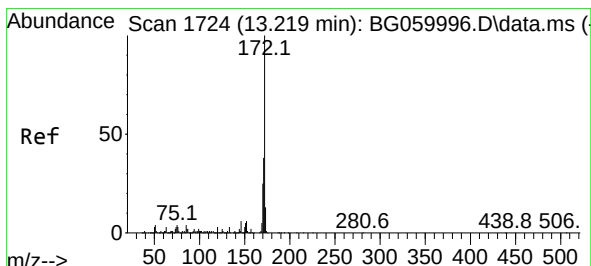
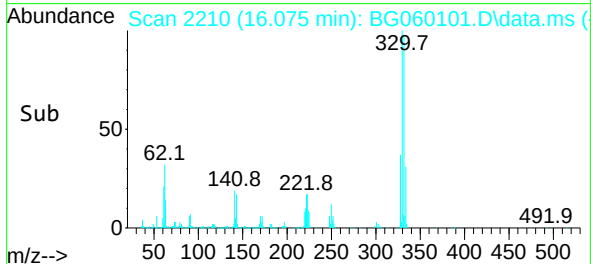
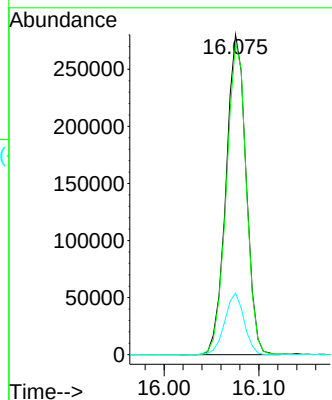
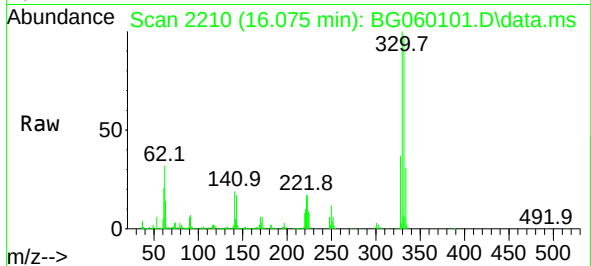
SOUTH-WALL

Tgt Ion:330 Resp: 41166
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 18.6 14.3 21.5

Manual Integrations

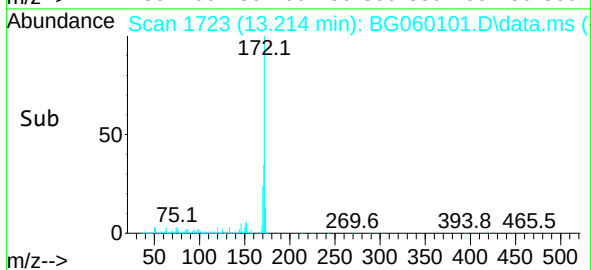
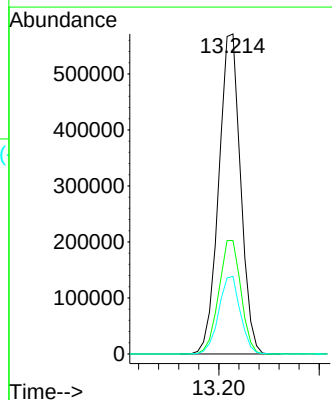
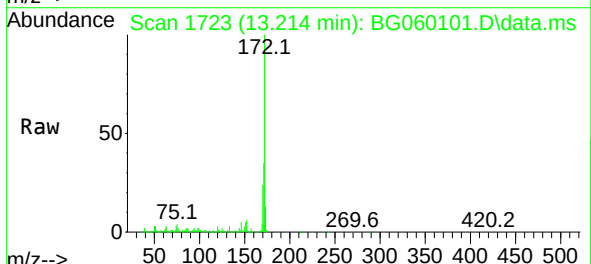
APPROVED

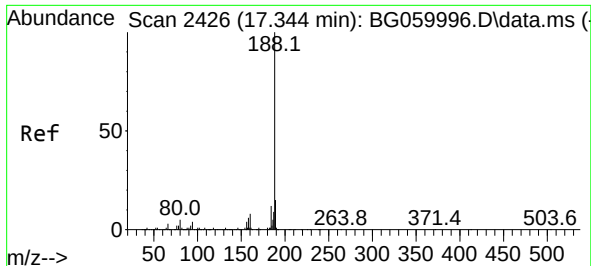
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#45
2-Fluorobiphenyl
Concen: 55.411 ng
RT: 13.214 min Scan# 1723
Delta R.T. -0.003 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Tgt Ion:172 Resp: 861514
Ion Ratio Lower Upper
172 100
171 35.5 30.1 45.1
170 24.3 20.0 30.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

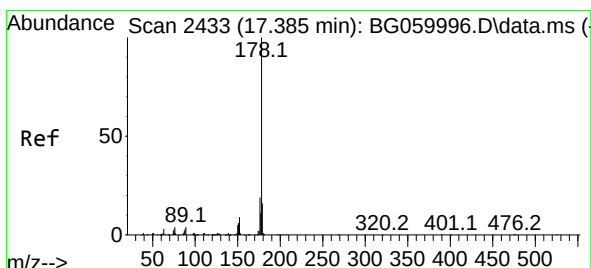
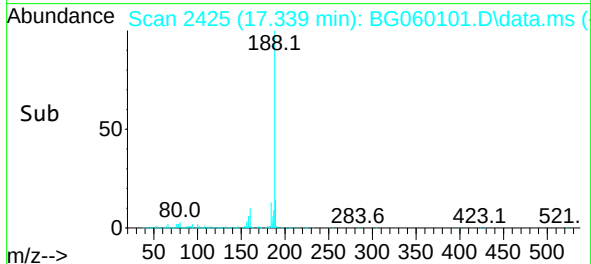
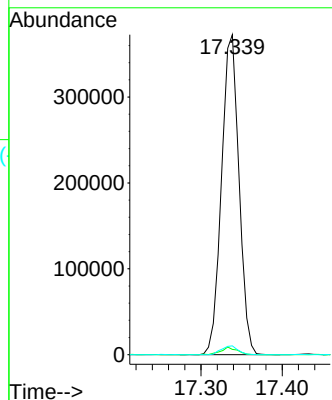
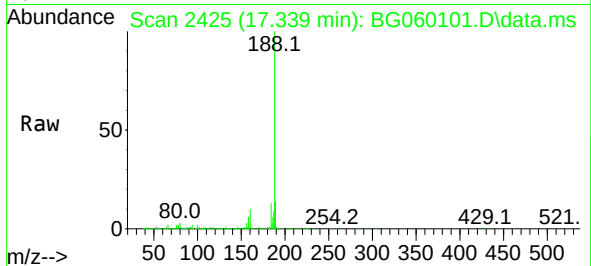
SOUTH-WALL

Tgt Ion:188 Resp: 556822
Ion Ratio Lower Upper
188 100
94 1.6 3.0 4.6
80 2.7 4.0 6.0

Manual Integrations

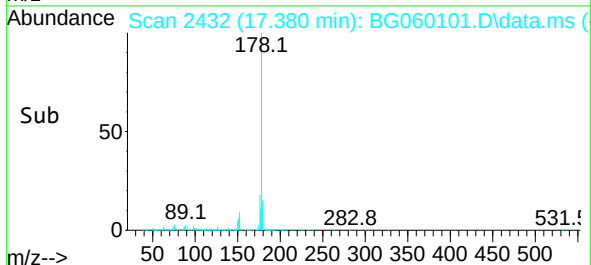
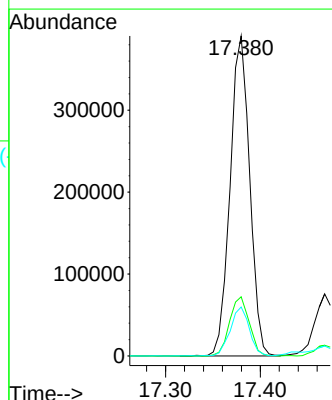
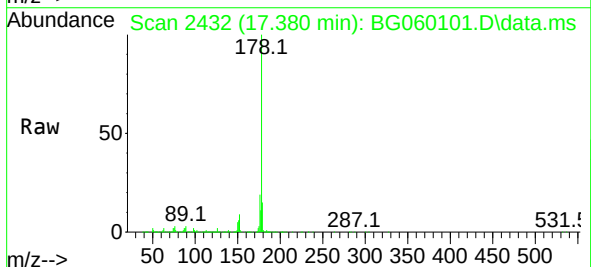
APPROVED

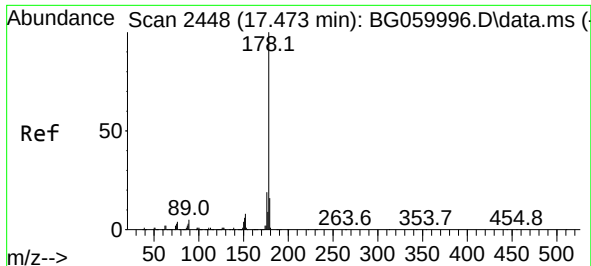
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#71
Phenanthrene
Concen: 20.821 ng
RT: 17.380 min Scan# 2432
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

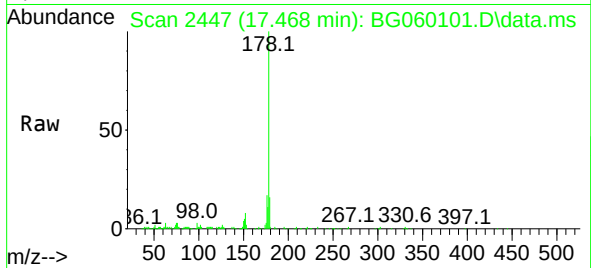
Tgt Ion:178 Resp: 561573
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.3 12.6 19.0





#72
 Anthracene
 Concen: 3.977 ng
 RT: 17.468 min Scan# 2448
 Delta R.T. -0.009 min
 Lab File: BG060101.D
 Acq: 20 Dec 2023 12:47

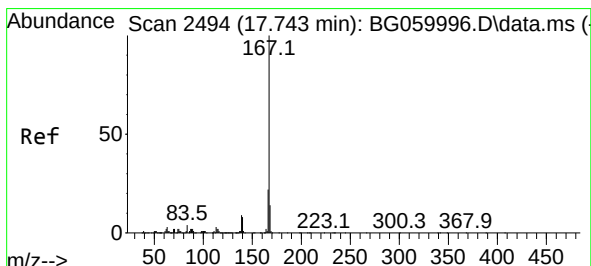
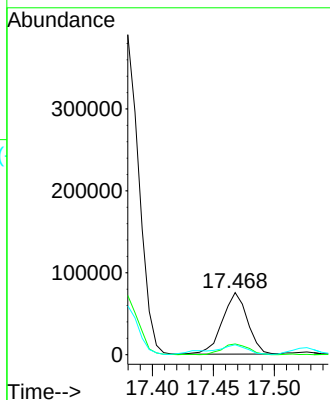
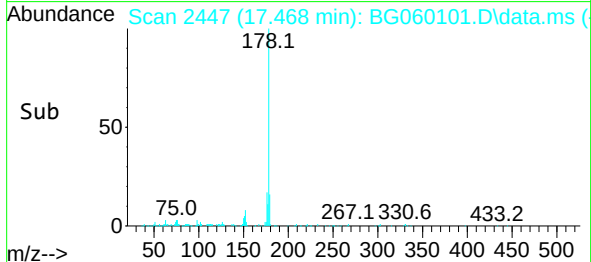
Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-WALL



Tgt Ion:178 Resp: 107839
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.0 22.6
 179 15.9 12.6 19.0

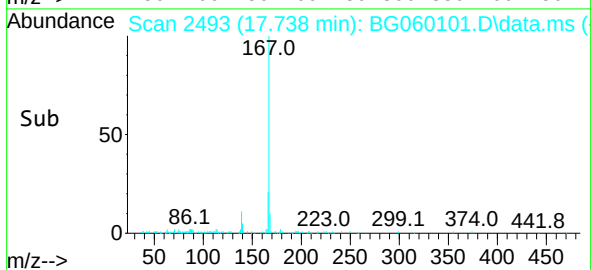
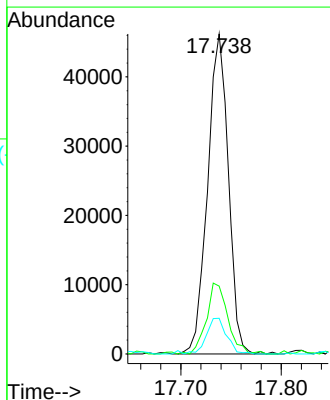
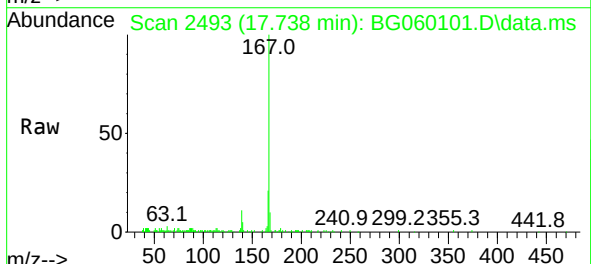
Manual Integrations
 APPROVED

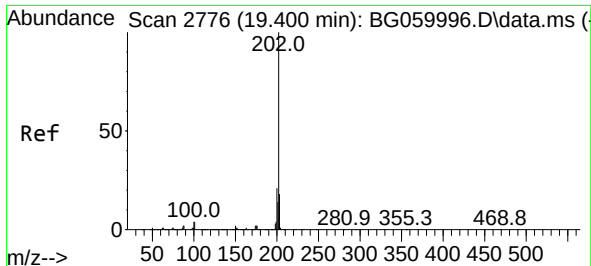
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023



#73
 Carbazole
 Concen: 2.884 ng
 RT: 17.738 min Scan# 2493
 Delta R.T. -0.009 min
 Lab File: BG060101.D
 Acq: 20 Dec 2023 12:47

Tgt Ion:167 Resp: 66450
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.4 26.0
 139 11.2 7.5 11.3





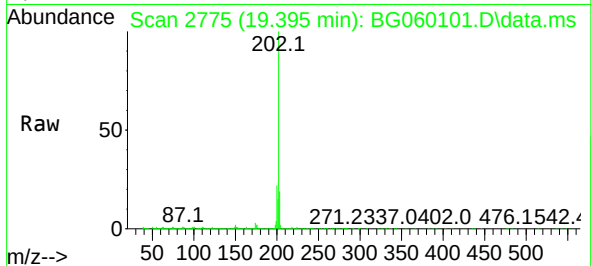
#75
Fluoranthene
Concen: 25.817 ng
RT: 19.395 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

SOUTH-WALL

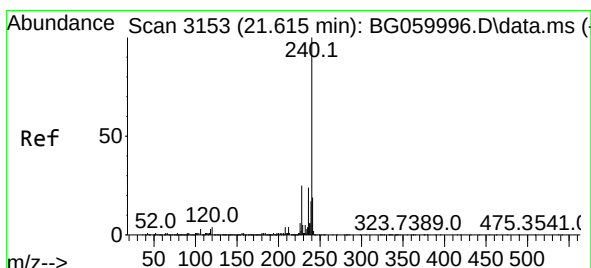
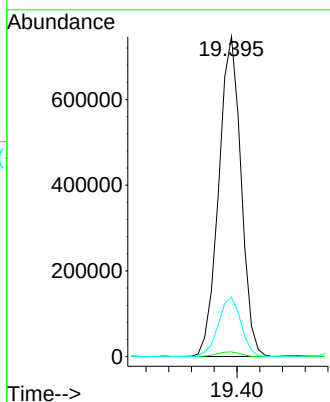
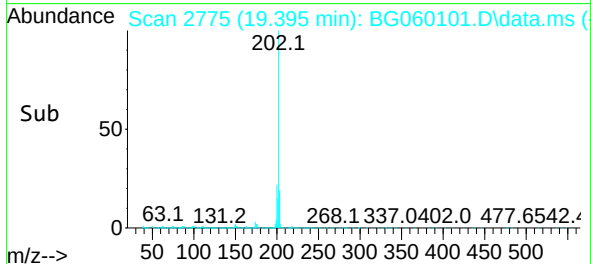


Tgt Ion:202 Resp: 101609
Ion Ratio Lower Upper
202 100
101 1.5 0.0 24.2
203 18.6 0.0 37.6

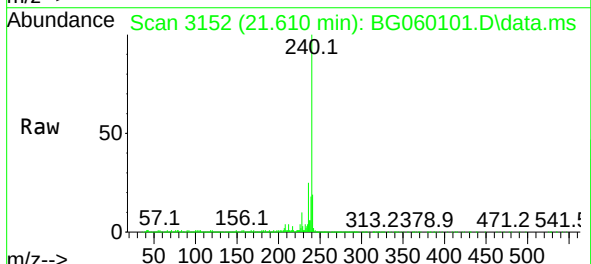
Manual Integrations

APPROVED

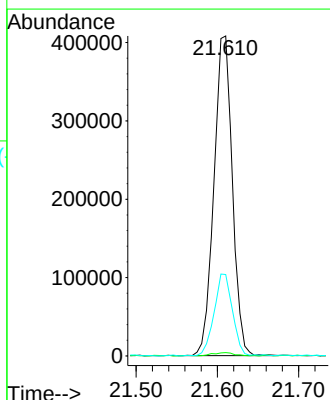
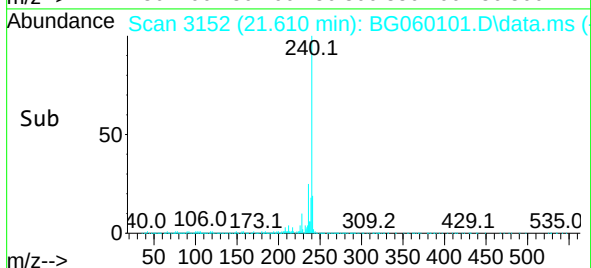
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

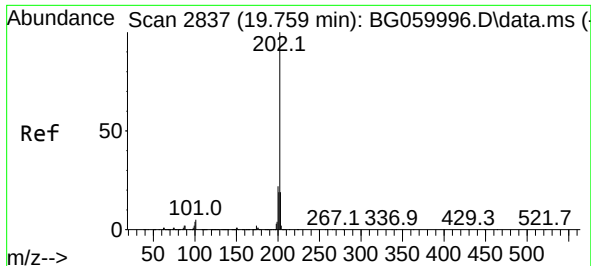


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3152
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47



Tgt Ion:240 Resp: 642608
Ion Ratio Lower Upper
240 100
120 1.1 2.9 4.3#
236 25.4 19.4 29.2





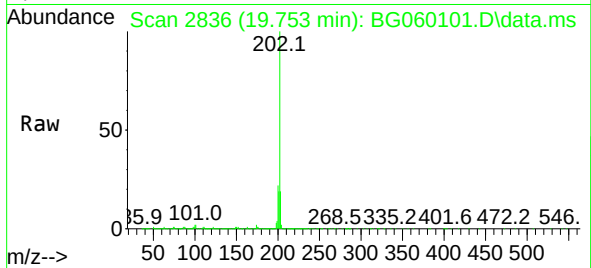
#78
Pyrene
Concen: 20.857 ng
RT: 19.753 min Scan# 2836
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

SOUTH-WALL

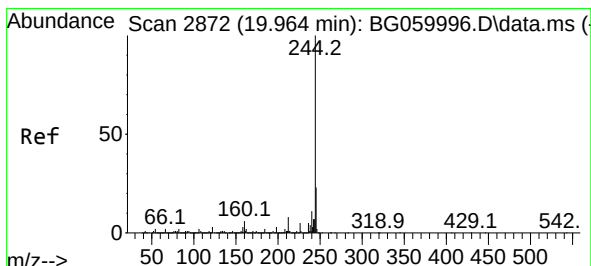
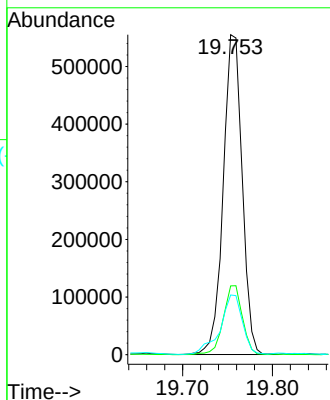
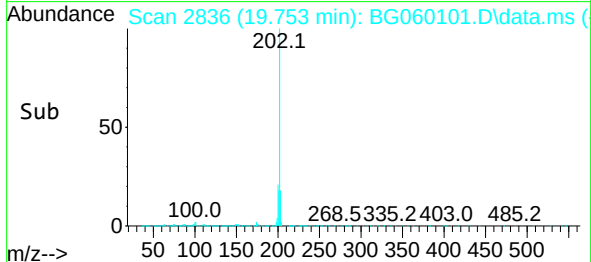


Tgt Ion:202 Resp: 812460
Ion Ratio Lower Upper
202 100
200 21.5 17.6 26.4
203 18.7 14.9 22.3

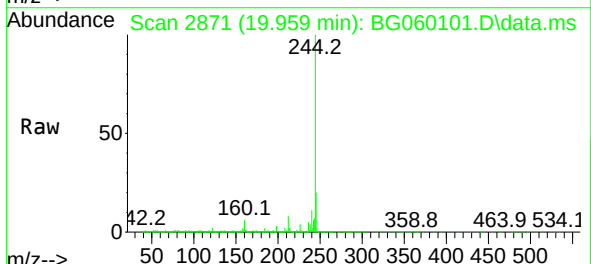
Manual Integrations

APPROVED

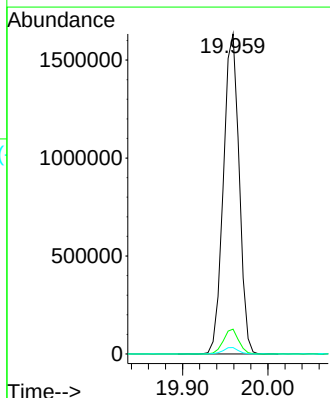
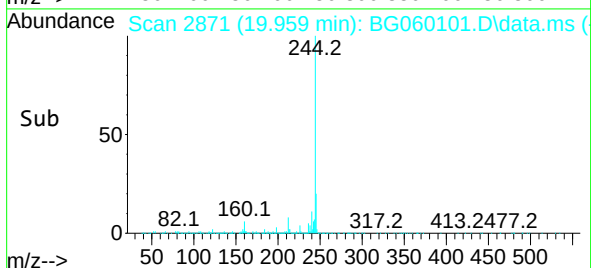
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

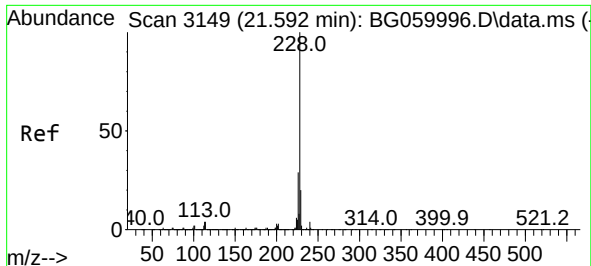


#79
Terphenyl-d14
Concen: 59.433 ng
RT: 19.959 min Scan# 2871
Delta R.T. -0.009 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47



Tgt Ion:244 Resp: 2091918
Ion Ratio Lower Upper
244 100
212 7.8 6.8 10.2
122 2.0 2.6 3.8





#81
Benzo(a)anthracene
Concen: 11.061 ng
RT: 21.587 min Scan# 3148
Delta R.T. -0.015 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

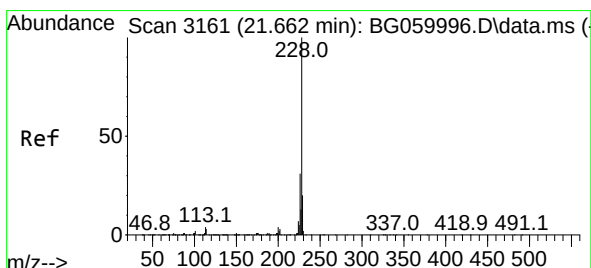
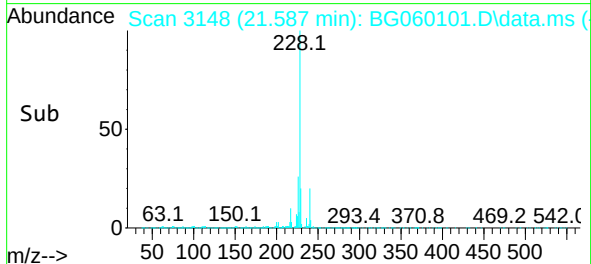
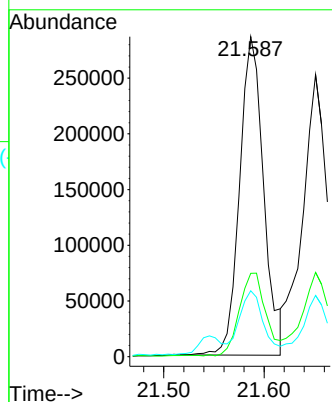
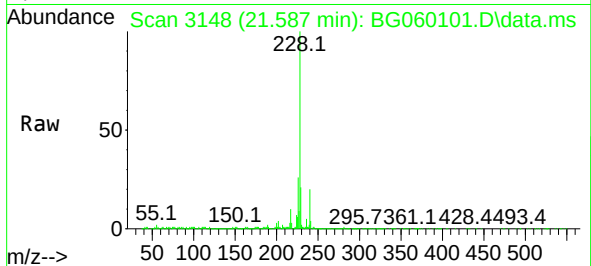
SOUTH-WALL

Tgt Ion:228 Resp: 477470
Ion Ratio Lower Upper
228 100
226 26.1 22.9 34.3
229 20.6 16.2 24.2

Manual Integrations

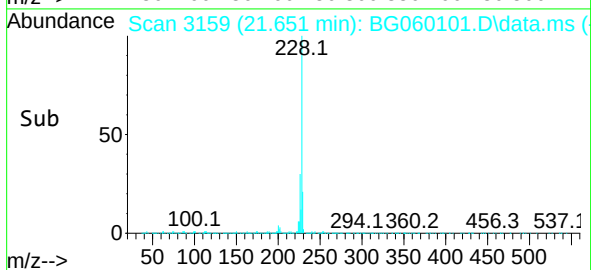
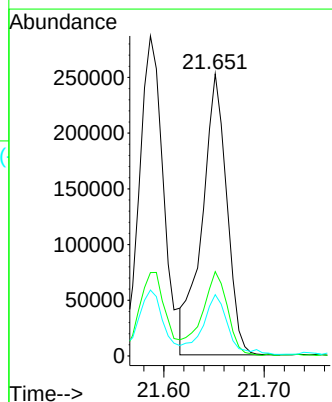
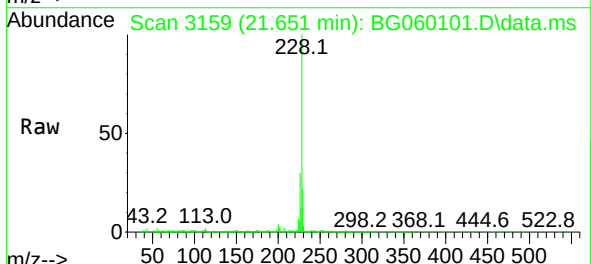
APPROVED

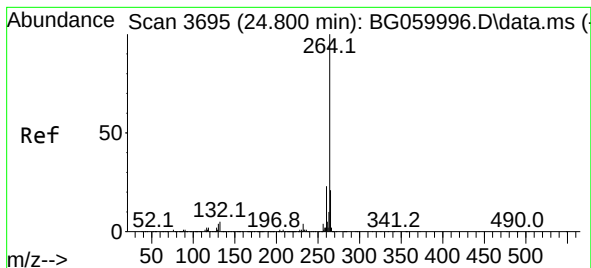
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#83
Chrysene
Concen: 10.538 ng
RT: 21.651 min Scan# 3159
Delta R.T. -0.015 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Tgt Ion:228 Resp: 430963
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.7 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.795 min Scan# 30

Delta R.T. -0.021 min

Lab File: BG060101.D

Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

SOUTH-WALL

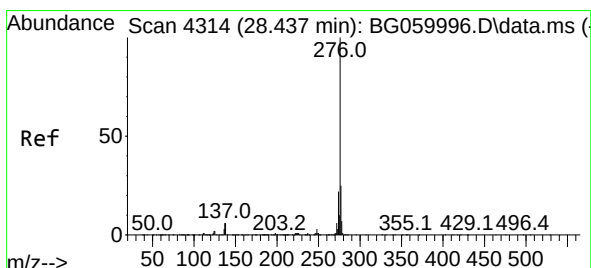
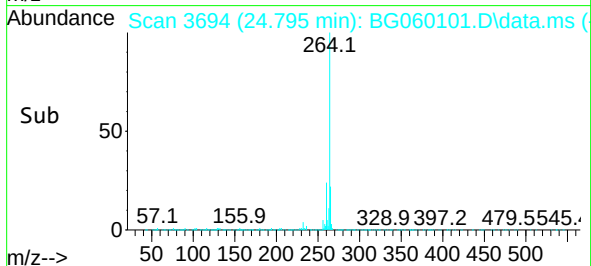
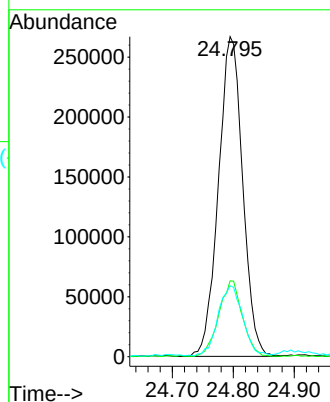
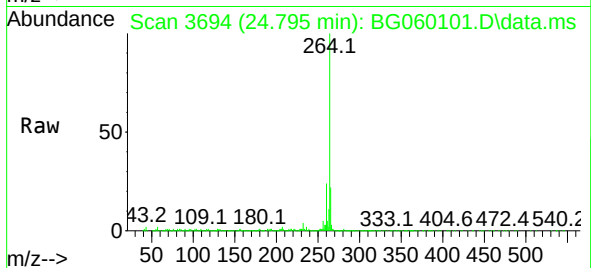
Tgt Ion:	264	Resp:	73735
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.5	27.7
265	22.2	17.3	25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.855 ng

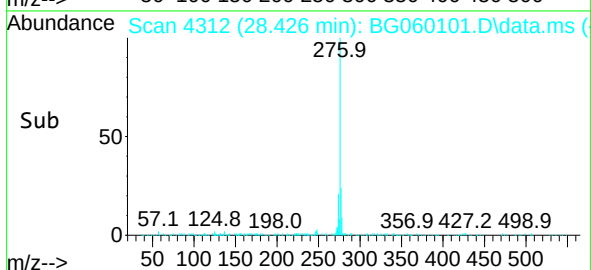
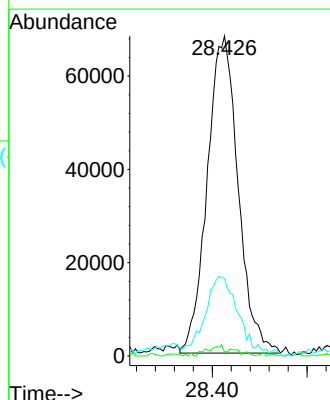
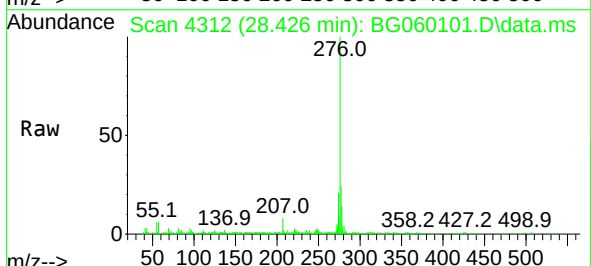
RT: 28.426 min Scan# 4312

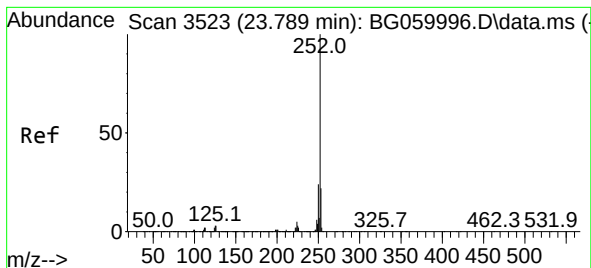
Delta R.T. -0.032 min

Lab File: BG060101.D

Acq: 20 Dec 2023 12:47

Tgt Ion:	276	Resp:	308094
Ion Ratio	Lower	Upper	
276	100		
138	1.8	4.7	7.1#
277	22.1	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 12.490 ng m

RT: 23.784 min Scan# 3523

Delta R.T. -0.015 min

Lab File: BG060101.D

Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

SOUTH-WALL

Tgt Ion:252 Resp: 56876

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

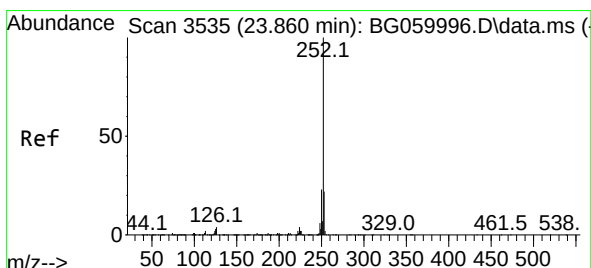
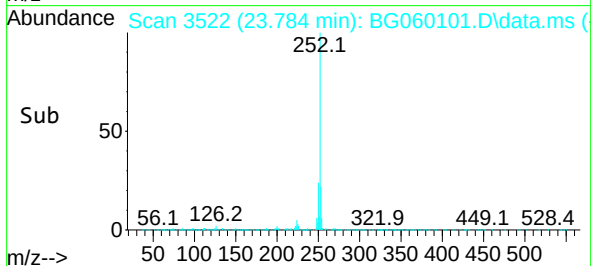
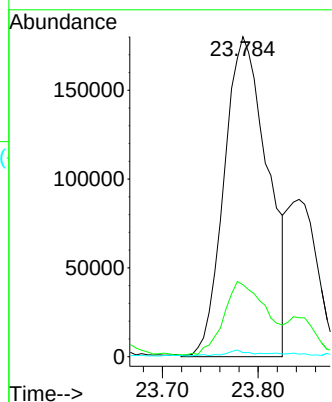
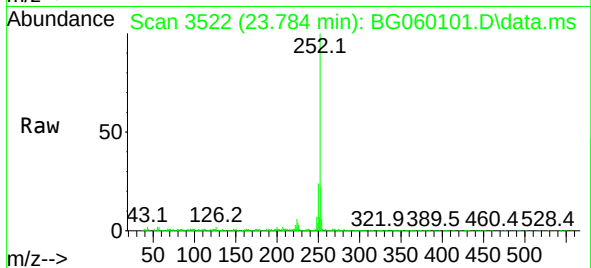
125 1.3 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#89

Benzo(k)fluoranthene

Concen: 4.464 ng m

RT: 23.843 min Scan# 3532

Delta R.T. -0.027 min

Lab File: BG060101.D

Acq: 20 Dec 2023 12:47

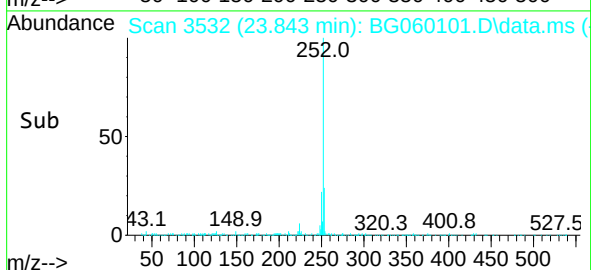
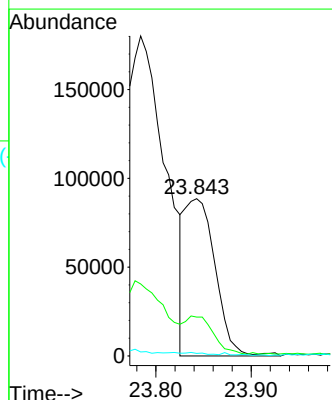
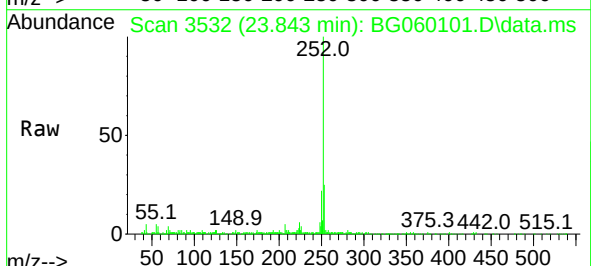
Tgt Ion:252 Resp: 197184

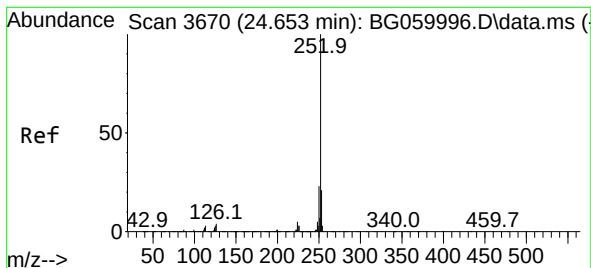
Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.6

125 1.6 2.5 3.7#





#90

Benzo(a)pyrene

Concen: 10.099 ng

RT: 24.642 min Scan# 30

Delta R.T. -0.021 min

Lab File: BG060101.D

Acq: 20 Dec 2023 12:47

Instrument :

BNA_G

ClientSampleId :

SOUTH-WALL

Tgt Ion:252 Resp: 40746

Ion Ratio Lower Upper

252 100

253 25.5 17.1 25.7

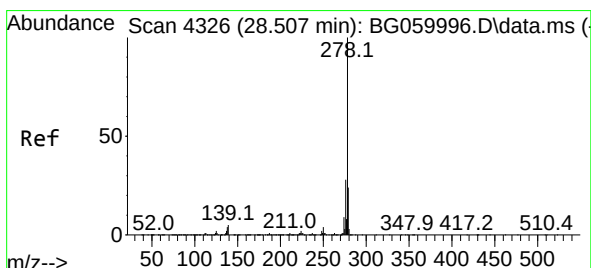
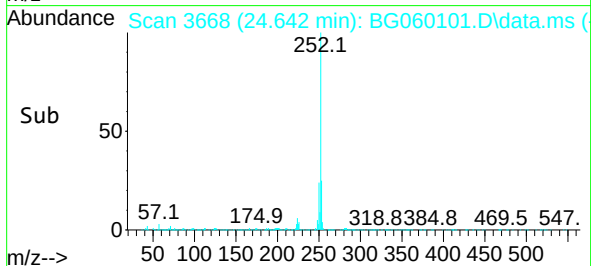
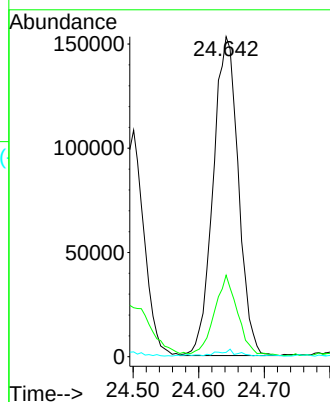
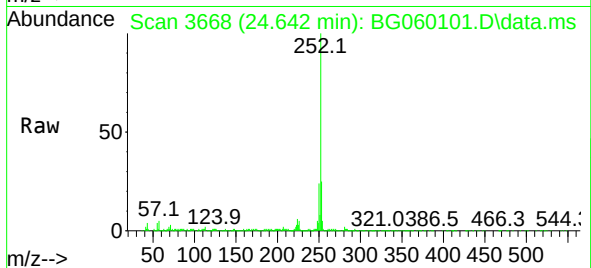
125 1.4 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.092 ng m

RT: 28.461 min Scan# 4318

Delta R.T. -0.062 min

Lab File: BG060101.D

Acq: 20 Dec 2023 12:47

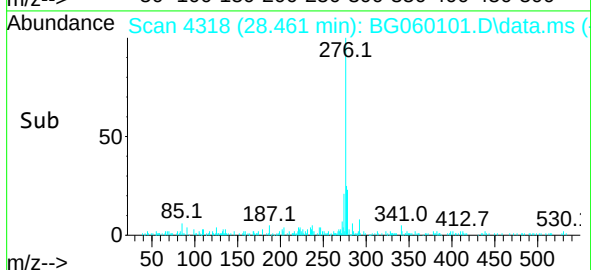
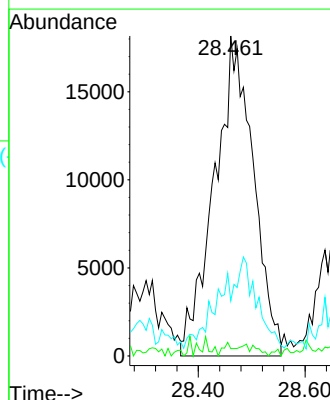
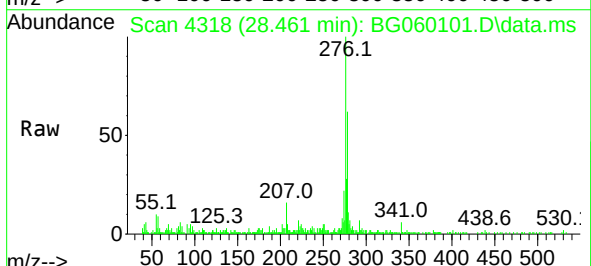
Tgt Ion:278 Resp: 92064

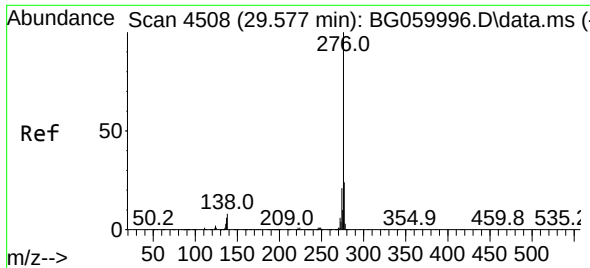
Ion Ratio Lower Upper

278 100

139 2.3 4.4 6.6#

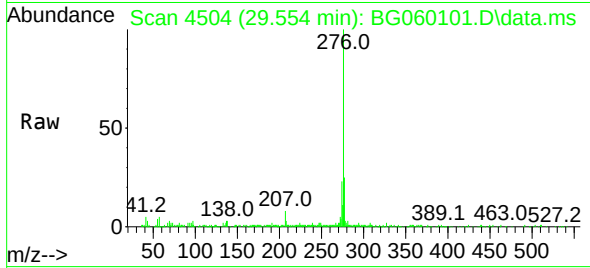
279 17.2 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 6.685 ng
RT: 29.554 min Scan# 4504
Delta R.T. -0.044 min
Lab File: BG060101.D
Acq: 20 Dec 2023 12:47

Instrument :
BNA_G
ClientSampleId :
SOUTH-WALL



Tgt Ion: 276 Resp: 29259

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.2
138	2.7	6.0	9.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

