

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061091.D
 Acq On : 2 May 2024 13:21
 Operator : MA/JU
 Sample : P2330-13 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 G-2(0.5-1.5)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 02 14:10:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	29166	20.000	ng	-0.03
21) Naphthalene-d8	10.731	136	116720	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	85574	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	185595	20.000	ng	-0.02
76) Chrysene-d12	21.565	240	180506	20.000	ng	-0.03
86) Perylene-d12	24.697	264	188831	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.525	112	74186	51.730	ng	-0.02
7) Phenol-d6	7.106	99	102476	48.304	ng	-0.03
23) Nitrobenzene-d5	9.086	82	78030	33.140	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	77245	45.160	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	215274	37.199	ng	-0.02
79) Terphenyl-d14	19.926	244	372478	34.319	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	51985	6.126	ng	97
75) Fluoranthene	19.368	202	140559	12.090	ng	98
78) Pyrene	19.726	202	138332	12.054	ng	98
81) Benzo(a)anthracene	21.548	228	88482	7.491	ng	97
83) Chrysene	21.613	228	87350m	7.893	ng	
87) Indeno(1,2,3-cd)pyrene	28.228	276	31030m	2.480	ng	
88) Benzo(b)fluoranthene	23.716	252	98435	9.329	ng	97
89) Benzo(k)fluoranthene	23.763	252	42145m	4.152	ng	
90) Benzo(a)pyrene	24.550	252	68148	7.413	ng	# 97
92) Benzo(g,h,i)perylene	29.350	276	26361m	2.560	ng	

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

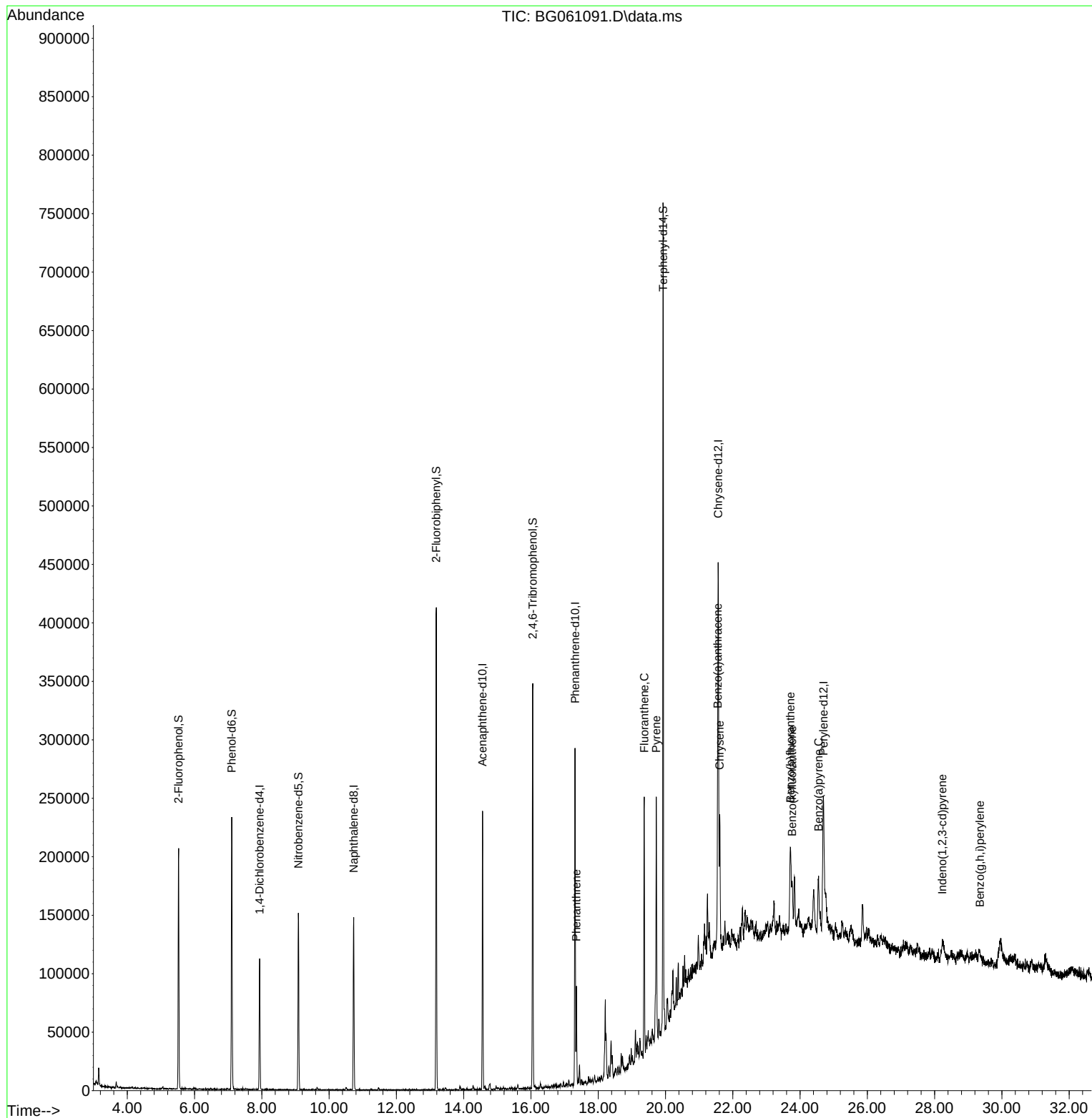
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061091.D
Acq On : 2 May 2024 13:21
Operator : MA/JU
Sample : P2330-13 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

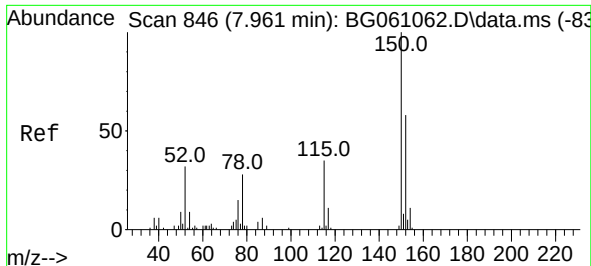
Instrument :
BNA_G
ClientSampleId :
G-2(0.5-1.5)

Quant Time: May 02 14:10:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024





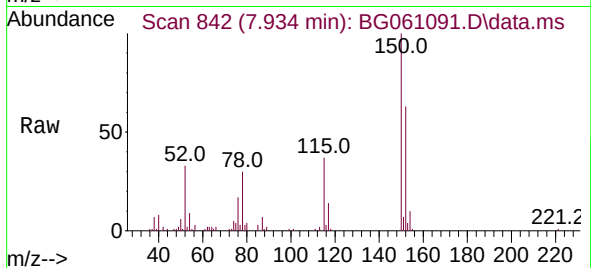
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 846
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

G-2(0.5-1.5)



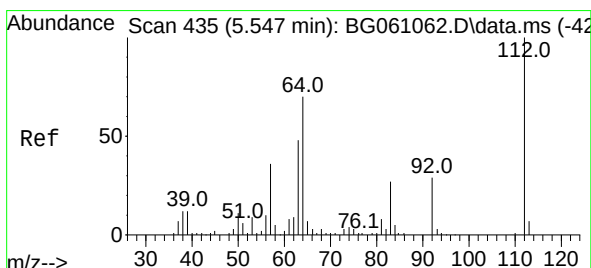
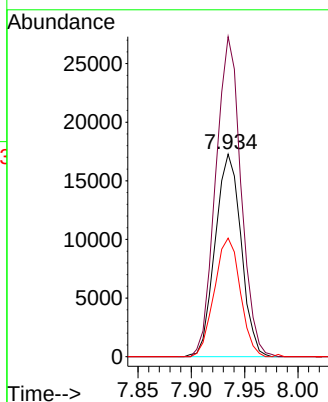
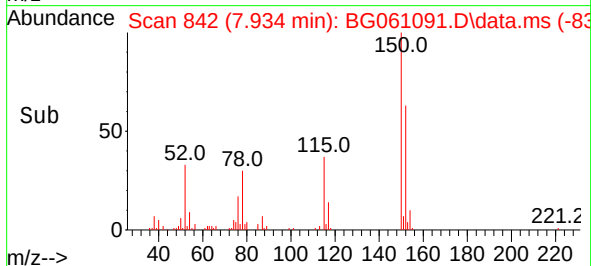
Tgt Ion:152 Resp: 29160
Ion Ratio Lower Upper
152 100
150 158.0 138.3 207.5
115 58.5 48.0 72.0

Manual Integrations

APPROVED

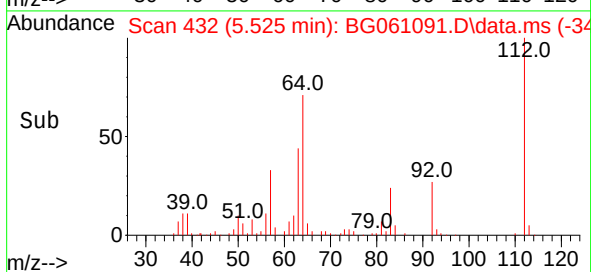
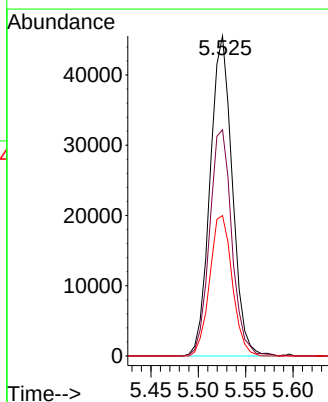
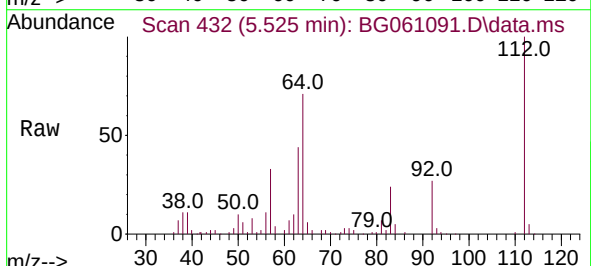
Reviewed By :Yogesh Patel 05/03/2024

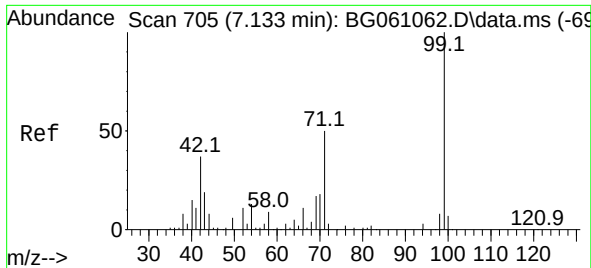
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 51.730 ng
RT: 5.525 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Tgt Ion:112 Resp: 74186
Ion Ratio Lower Upper
112 100
64 70.7 55.7 83.5
63 43.9 38.1 57.1





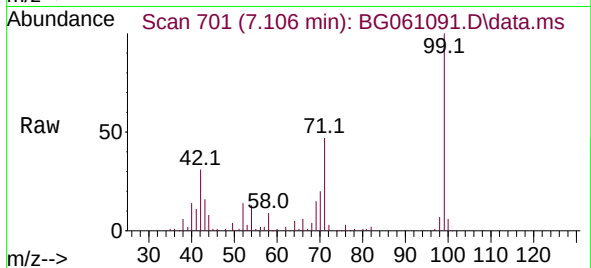
#7
Phenol-d6
Concen: 48.304 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

G-2(0.5-1.5)

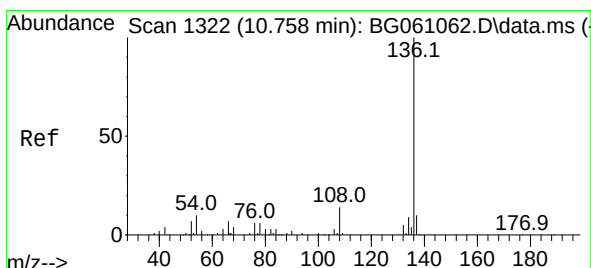
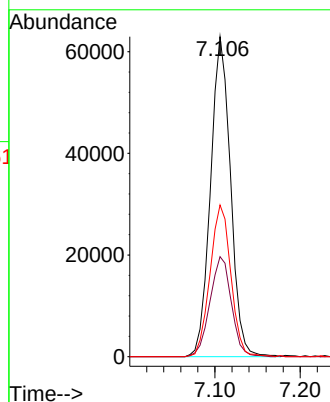
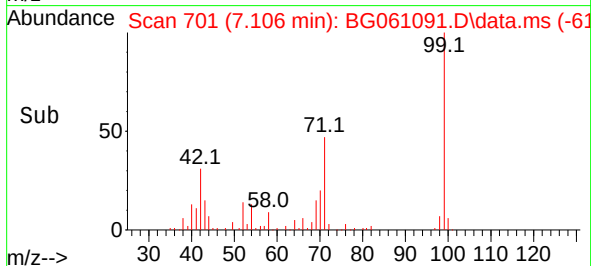


Tgt Ion: 99 Resp: 102470
Ion Ratio Lower Upper
99 100
42 31.2 29.2 43.8
71 47.4 39.7 59.5

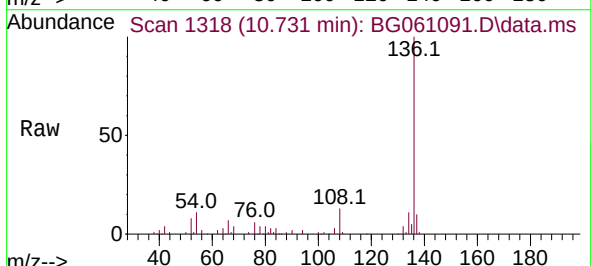
Manual Integrations

APPROVED

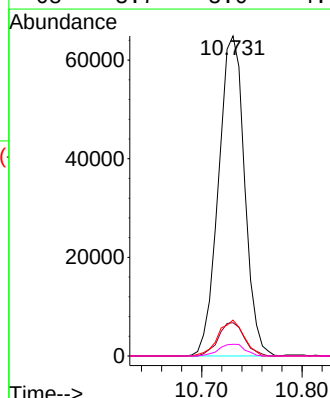
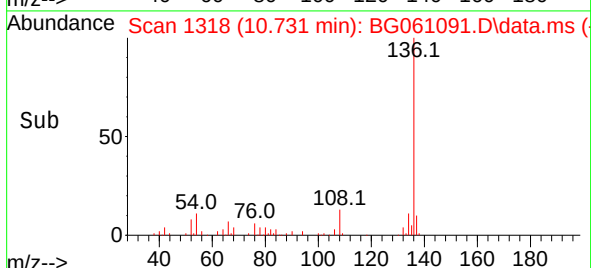
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024

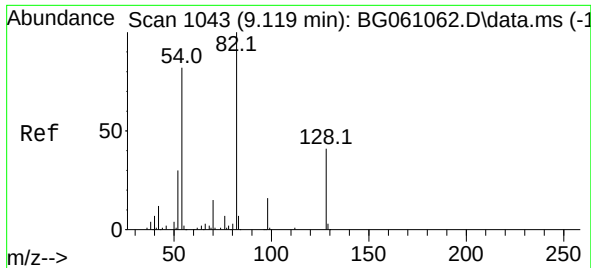


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1318
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21



Tgt Ion:136 Resp: 116720
Ion Ratio Lower Upper
136 100
137 10.4 7.8 11.6
54 11.2 8.1 12.1
68 3.7 3.0 4.4





#23

Nitrobenzene-d5

Concen: 33.140 ng

RT: 9.086 min Scan# 1043

Delta R.T. -0.033 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

G-2(0.5-1.5)

Tgt Ion: 82 Resp: 78030

Ion Ratio Lower Upper

82 100

128 37.2 32.7 49.1

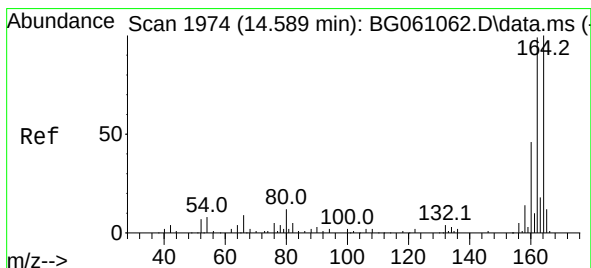
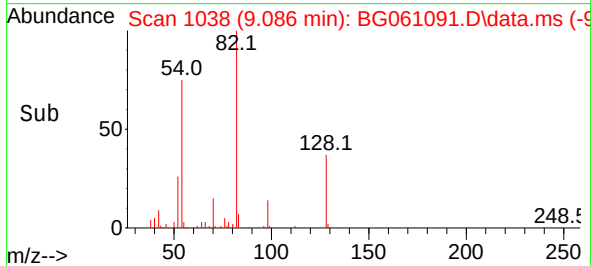
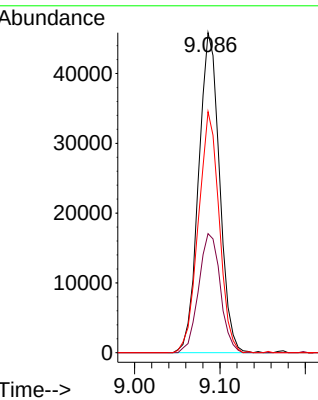
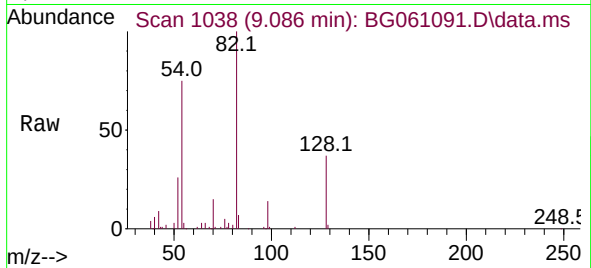
54 75.3 65.6 98.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1970

Delta R.T. -0.027 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

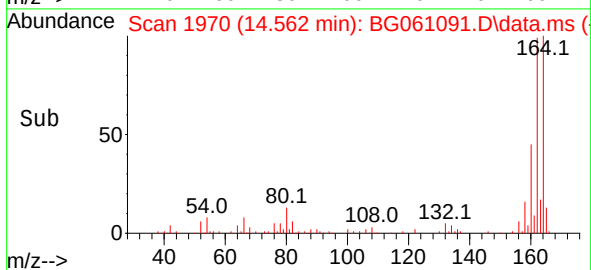
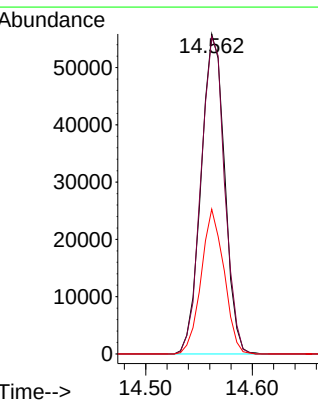
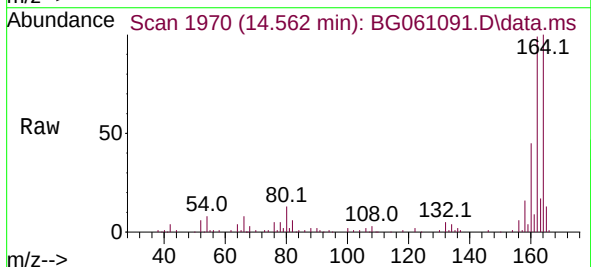
Tgt Ion:164 Resp: 85574

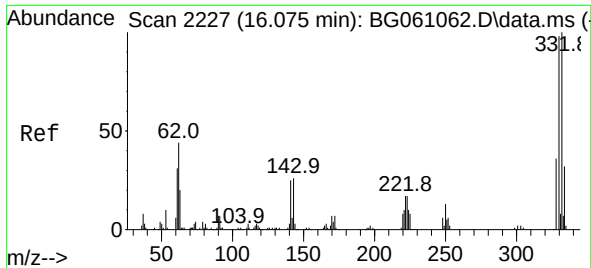
Ion Ratio Lower Upper

164 100

162 99.1 79.4 119.2

160 45.3 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 45.160 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

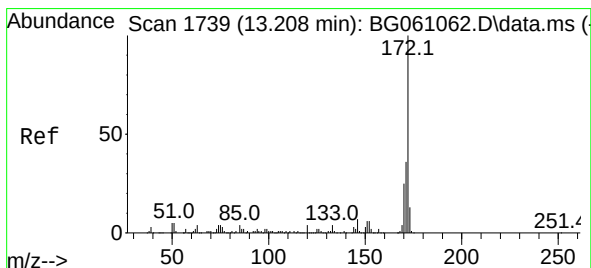
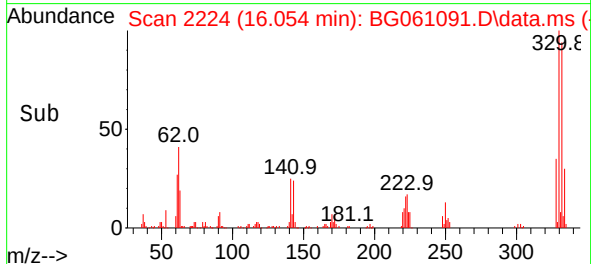
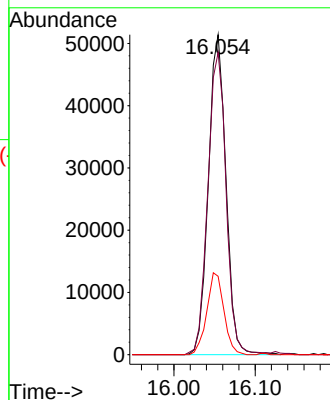
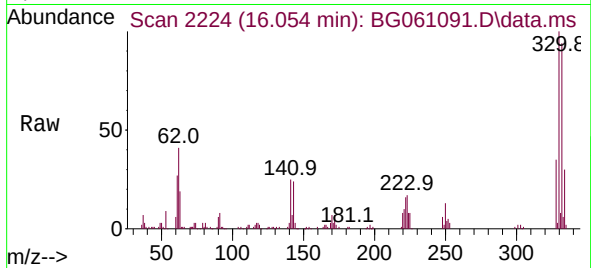
G-2(0.5-1.5)

Tgt Ion:330 Resp: 7724
Ion Ratio Lower Upper
330 100
332 97.9 78.6 117.8
141 24.9 20.5 30.7

Manual Integrations

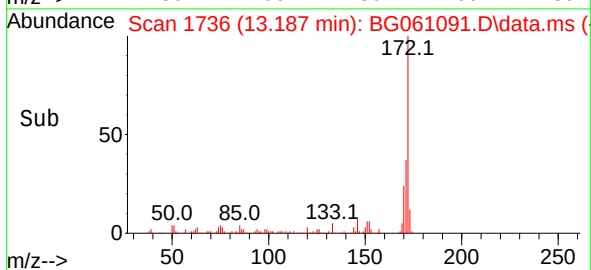
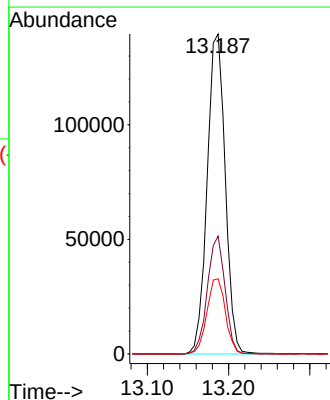
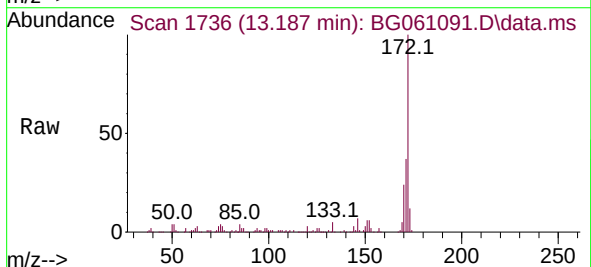
APPROVED

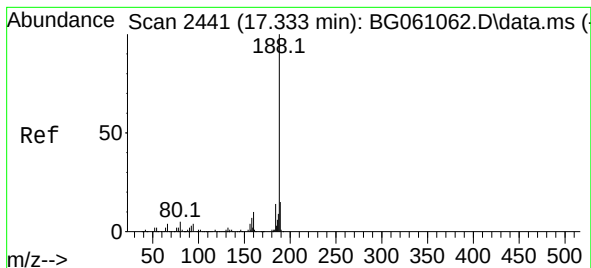
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 37.199 ng
RT: 13.187 min Scan# 1736
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Tgt Ion:172 Resp: 215274
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.6
170 23.5 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

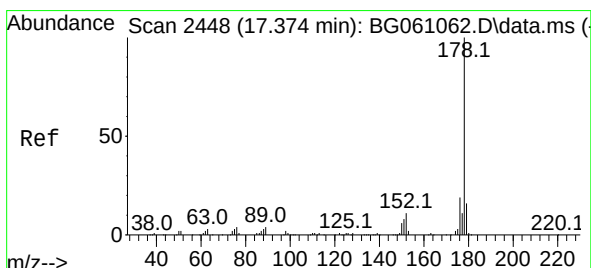
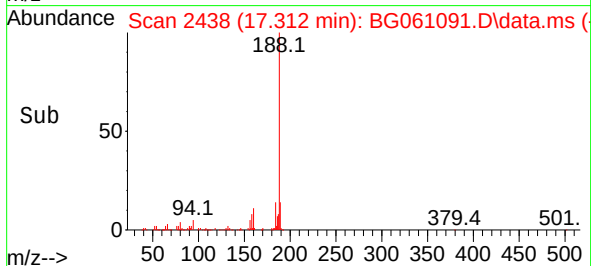
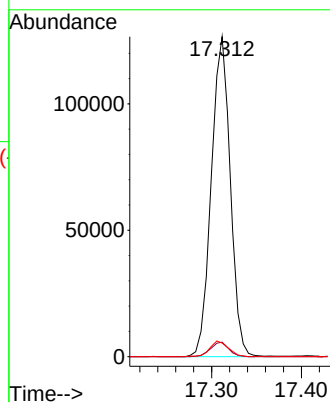
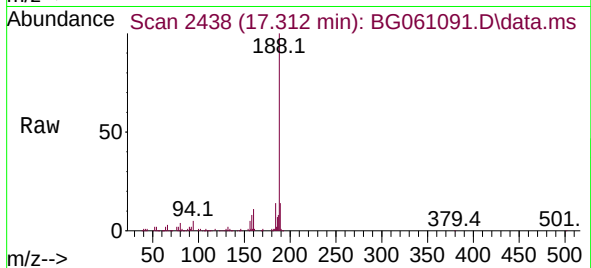
G-2(0.5-1.5)

Tgt Ion:188 Resp: 18559
Ion Ratio Lower Upper
188 100
94 4.6 3.6 5.4
80 4.3 4.2 6.2

Manual Integrations

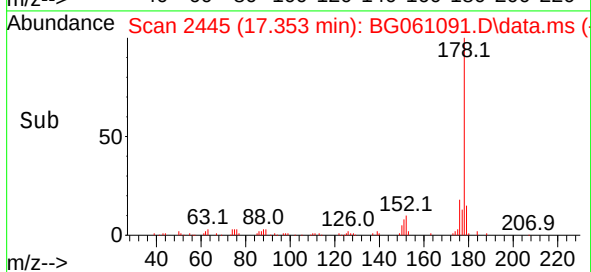
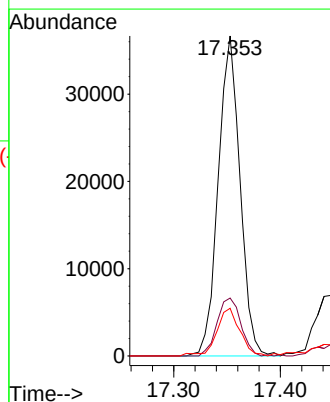
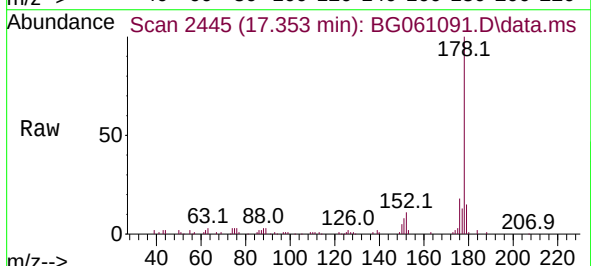
APPROVED

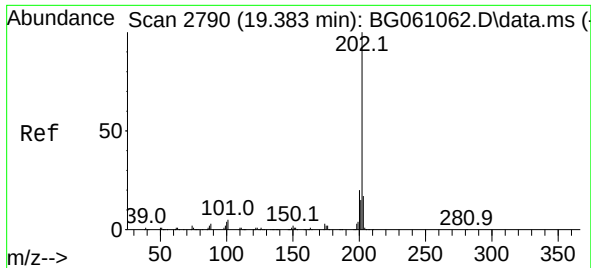
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 6.126 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

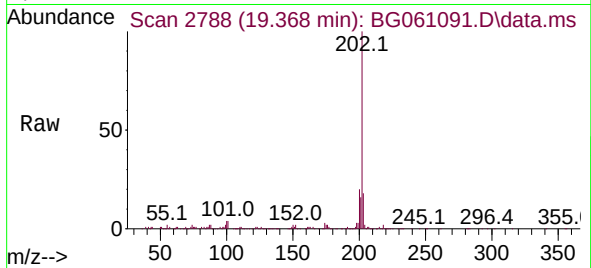
Tgt Ion:178 Resp: 51985
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 14.9 12.6 19.0





#75
Fluoranthene
Concen: 12.090 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

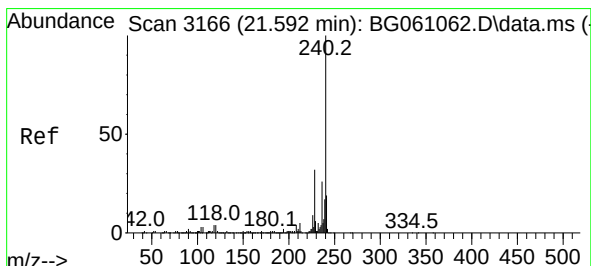
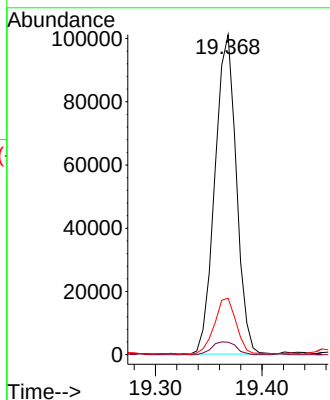
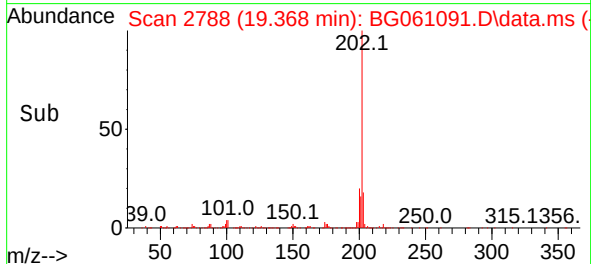
Instrument :
BNA_G
ClientSampleId :
G-2(0.5-1.5)



Tgt Ion:202 Resp: 140559
Ion Ratio Lower Upper
202 100
101 3.9 0.0 24.7
203 17.7 0.0 37.1

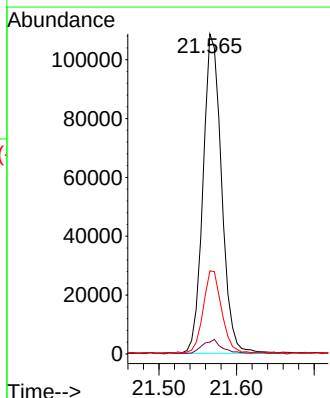
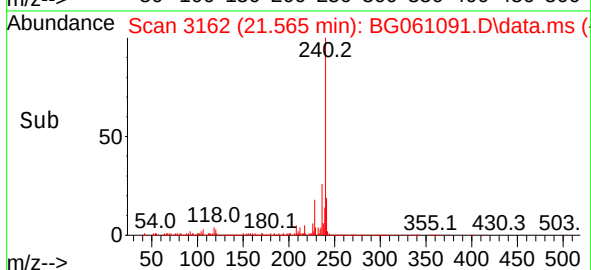
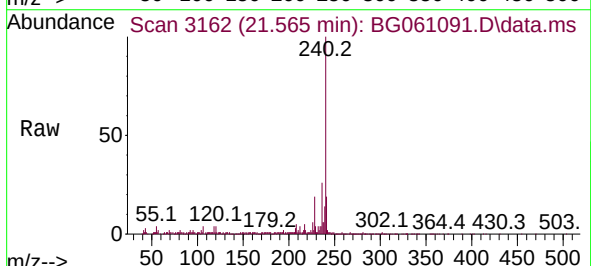
Manual Integrations
APPROVED

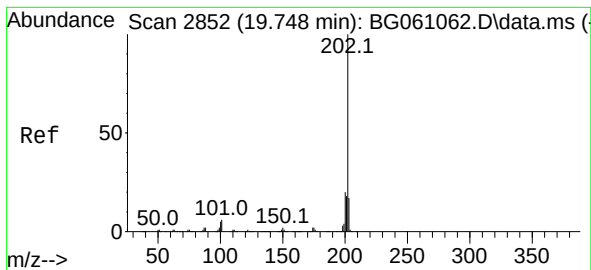
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.565 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Tgt Ion:240 Resp: 180506
Ion Ratio Lower Upper
240 100
120 3.7 3.2 4.8
236 25.9 21.0 31.6





#78

Pyrene

Concen: 12.054 ng

RT: 19.726 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

G-2(0.5-1.5)

Tgt Ion:202 Resp: 13833

Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.4

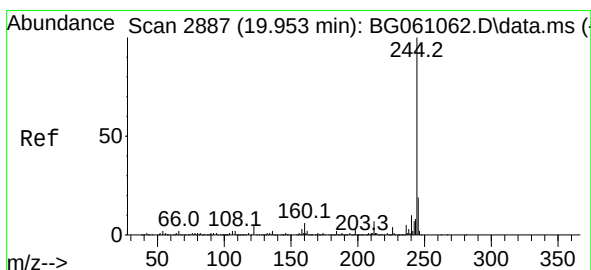
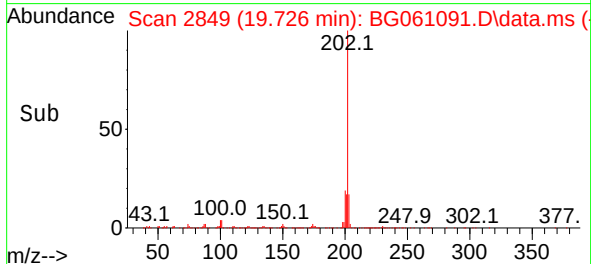
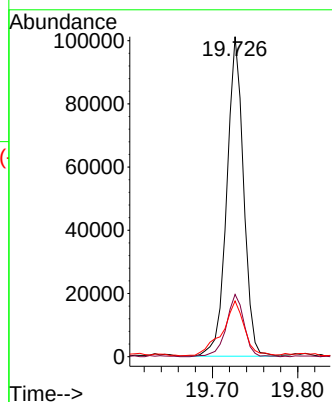
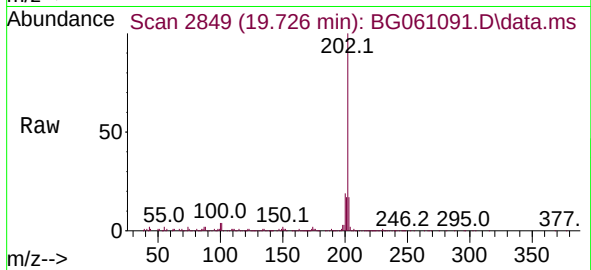
203 17.4 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#79

Terphenyl-d14

Concen: 34.319 ng

RT: 19.926 min Scan# 2883

Delta R.T. -0.027 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

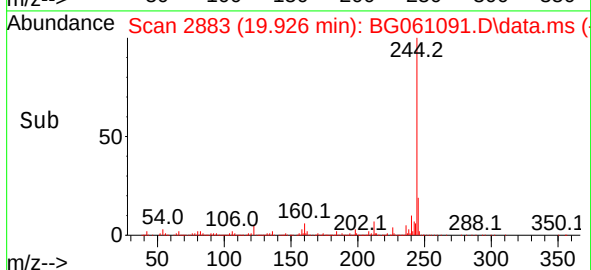
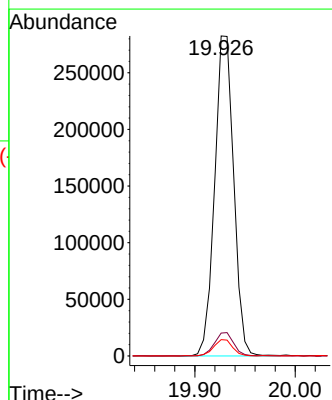
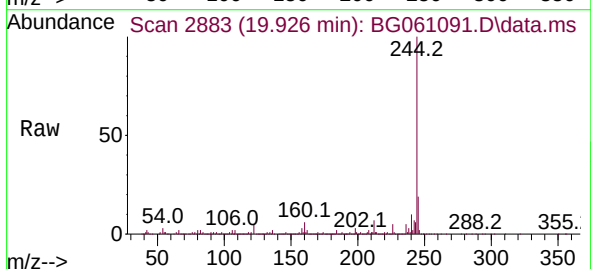
Tgt Ion:244 Resp: 372478

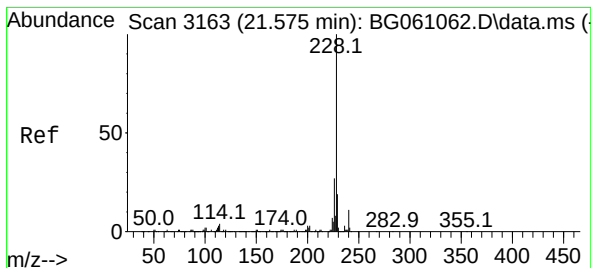
Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

122 5.1 4.2 6.2





#81

Benzo(a)anthracene

Concen: 7.491 ng

RT: 21.548 min Scan# 3159

Delta R.T. -0.027 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

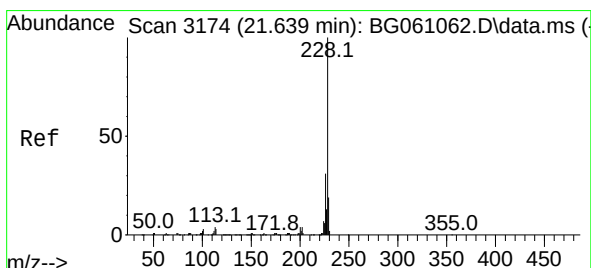
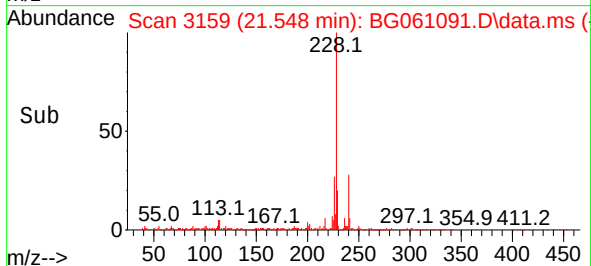
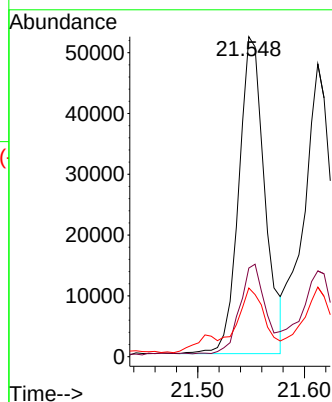
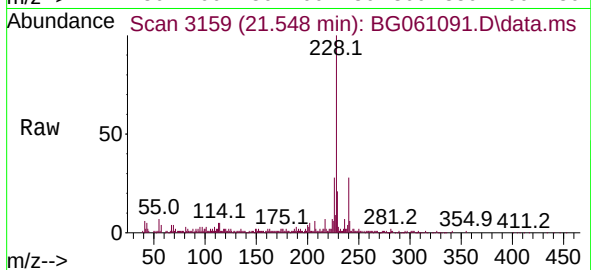
G-2(0.5-1.5)

Tgt Ion:228 Resp: 88482
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.6 32.4
 229 21.5 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024
 Supervised By :mohammad ahmed 05/06/2024



#83

Chrysene

Concen: 7.893 ng m

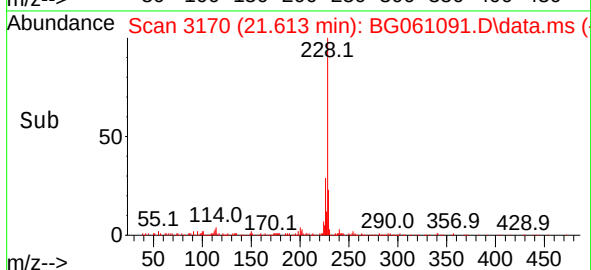
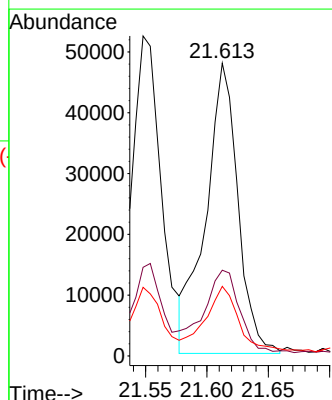
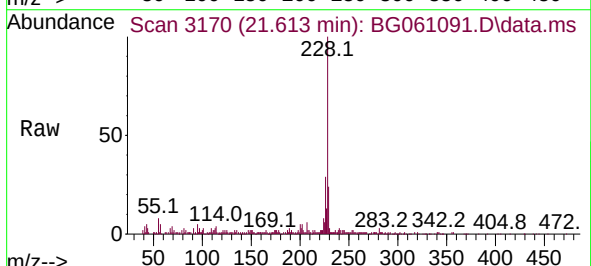
RT: 21.613 min Scan# 3170

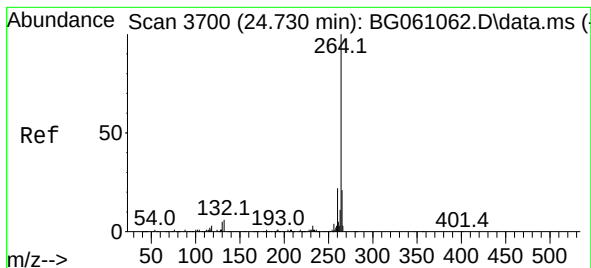
Delta R.T. -0.027 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Tgt Ion:228 Resp: 87350
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.4 36.6
 229 23.8 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.697 min Scan# 3

Delta R.T. -0.033 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

Instrument :

BNA_G

ClientSampleId :

G-2(0.5-1.5)

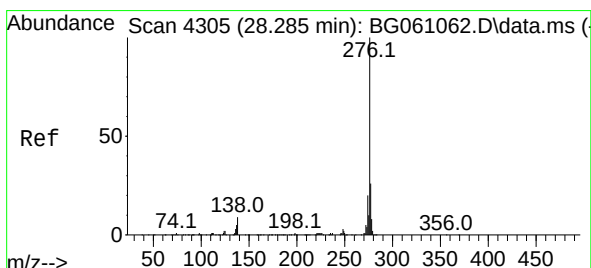
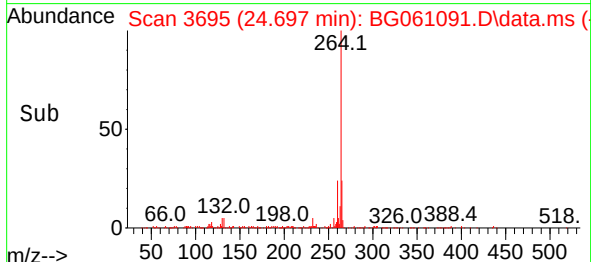
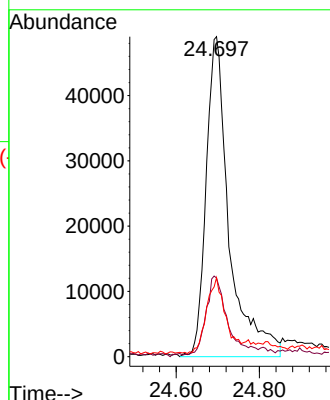
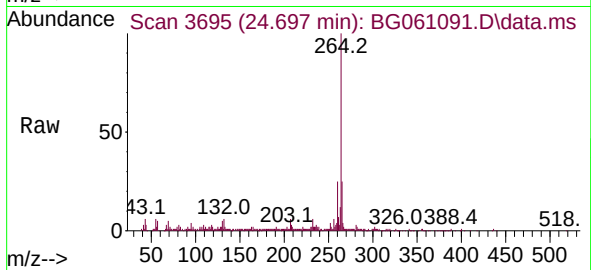
Tgt Ion:264	Resp: 18883
Ion Ratio	Lower Upper
264	100
260	24.6 17.7 26.5
265	24.7 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/03/2024

Supervised By :mohammad ahmed 05/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.480 ng m

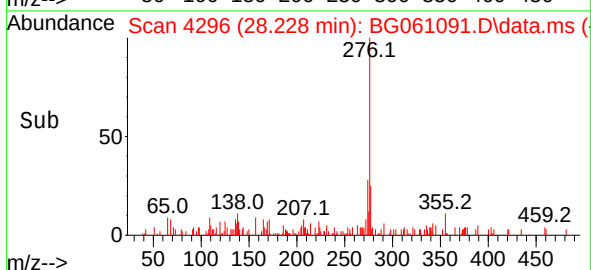
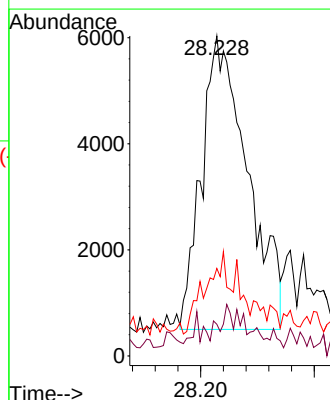
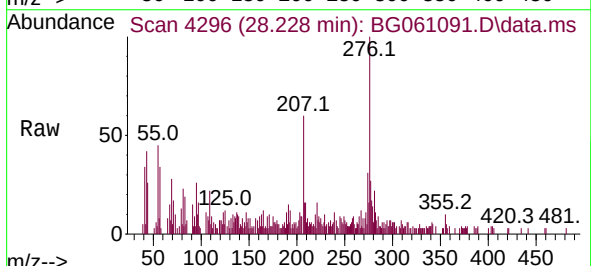
RT: 28.228 min Scan# 4296

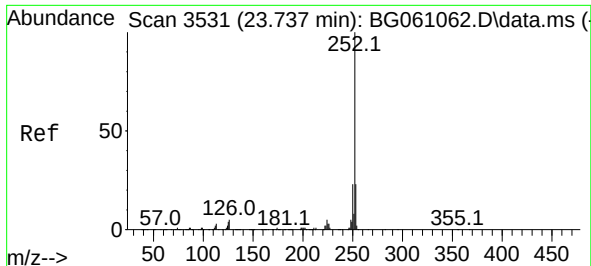
Delta R.T. -0.056 min

Lab File: BG061091.D

Acq: 2 May 2024 13:21

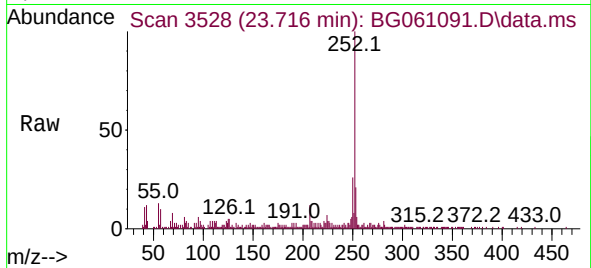
Tgt Ion:276	Resp: 31030
Ion Ratio	Lower Upper
276	100
138	3.0 5.1 7.7#
277	14.4 20.6 30.8#





#88
Benzo(b)fluoranthene
Concen: 9.329 ng
RT: 23.716 min Scan# 3528
Delta R.T. -0.021 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

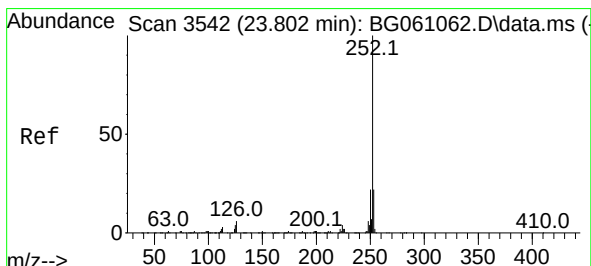
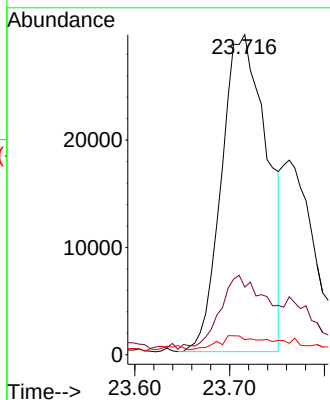
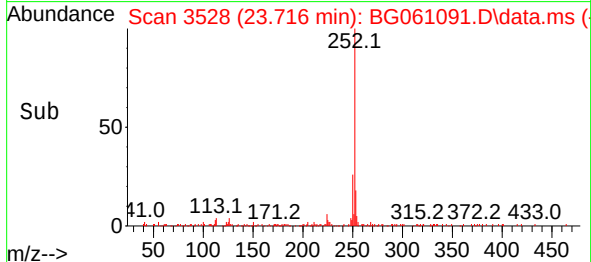
Instrument :
BNA_G
ClientSampleId :
G-2(0.5-1.5)



Tgt Ion:252 Resp: 9843
Ion Ratio Lower Upper
252 100
253 21.1 18.2 27.2
125 4.7 3.4 5.0

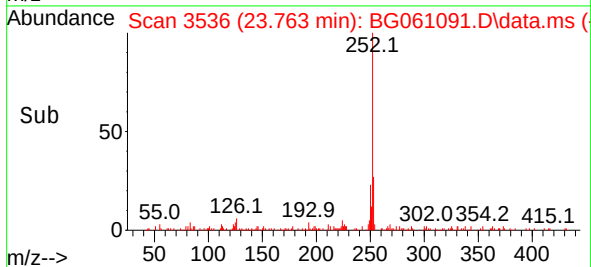
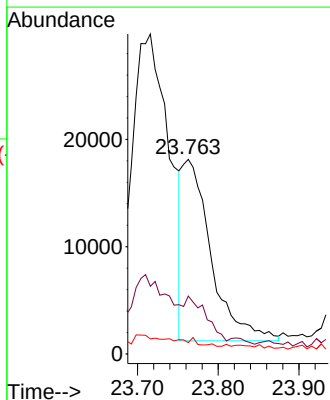
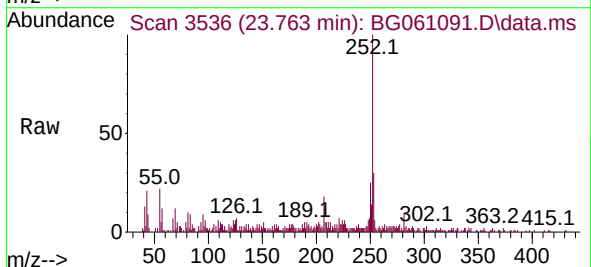
Manual Integrations
APPROVED

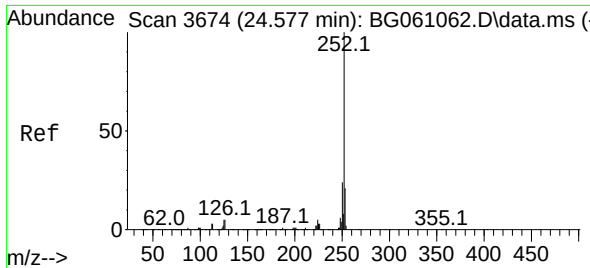
Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#89
Benzo(k)fluoranthene
Concen: 4.152 ng m
RT: 23.763 min Scan# 3536
Delta R.T. -0.039 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

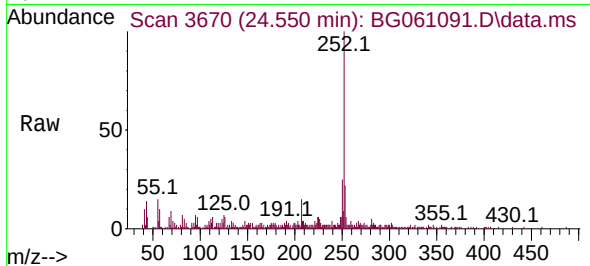
Tgt Ion:252 Resp: 42145
Ion Ratio Lower Upper
252 100
253 29.8 17.3 25.9#
125 5.8 3.2 4.8#





#90
Benzo(a)pyrene
Concen: 7.413 ng
RT: 24.550 min Scan# 30
Delta R.T. -0.027 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

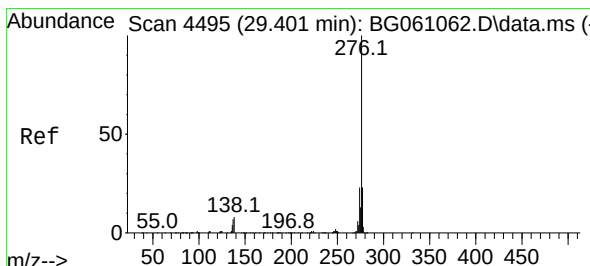
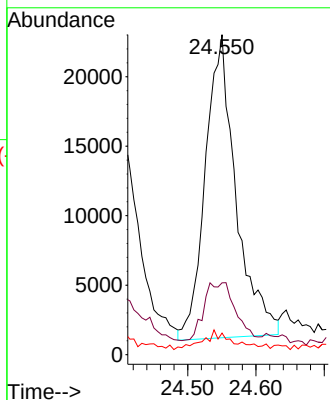
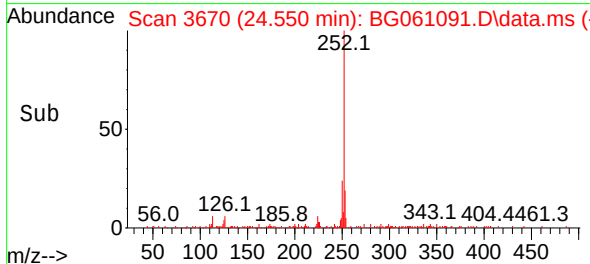
Instrument :
BNA_G
ClientSampleId :
G-2(0.5-1.5)



Tgt Ion:252 Resp: 68148
Ion Ratio Lower Upper
252 100
253 22.4 16.9 25.3
125 6.8 3.8 5.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/03/2024
Supervised By :mohammad ahmed 05/06/2024



#92
Benzo(g,h,i)perylene
Concen: 2.560 ng m
RT: 29.350 min Scan# 4487
Delta R.T. -0.050 min
Lab File: BG061091.D
Acq: 2 May 2024 13:21

Tgt Ion:276 Resp: 26361
Ion Ratio Lower Upper
276 100
277 25.3 18.2 27.4
138 7.5 6.2 9.2

