

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061082.D
 Acq On : 1 May 2024 18:51
 Operator : MA/JU
 Sample : P2330-05 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 F-1(0.5-1.5)

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 02 05:36:15 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	7.935	152	31154	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	116620	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	82113	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	180951	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	171713	20.000	ng	-0.03
86) Perylene-d12	24.686	264	189404	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	78217	51.060	ng	-0.02
7) Phenol-d6	7.106	99	104962	46.318	ng	-0.03
23) Nitrobenzene-d5	9.086	82	76275	32.423	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	75565	46.040	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	204607	36.846	ng	-0.03
79) Terphenyl-d14	19.927	244	336494	32.591	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	101369	12.252	ng	100
72) Anthracene	17.441	178	38381	4.649	ng	99
75) Fluoranthene	19.363	202	165182	14.573	ng	98
78) Pyrene	19.727	202	162723	14.906	ng	99
81) Benzo(a)anthracene	21.548	228	94362	8.398	ng	# 95
83) Chrysene	21.613	228	100102m	9.509	ng	
87) Indeno(1,2,3-cd)pyrene	28.229	276	44797m	3.569	ng	
88) Benzo(b)fluoranthene	23.710	252	118807	11.225	ng	# 94
89) Benzo(k)fluoranthene	23.763	252	39186m	3.848	ng	
90) Benzo(a)pyrene	24.545	252	84153	9.126	ng	# 90
92) Benzo(g,h,i)perylene	29.333	276	35243m	3.412	ng	

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

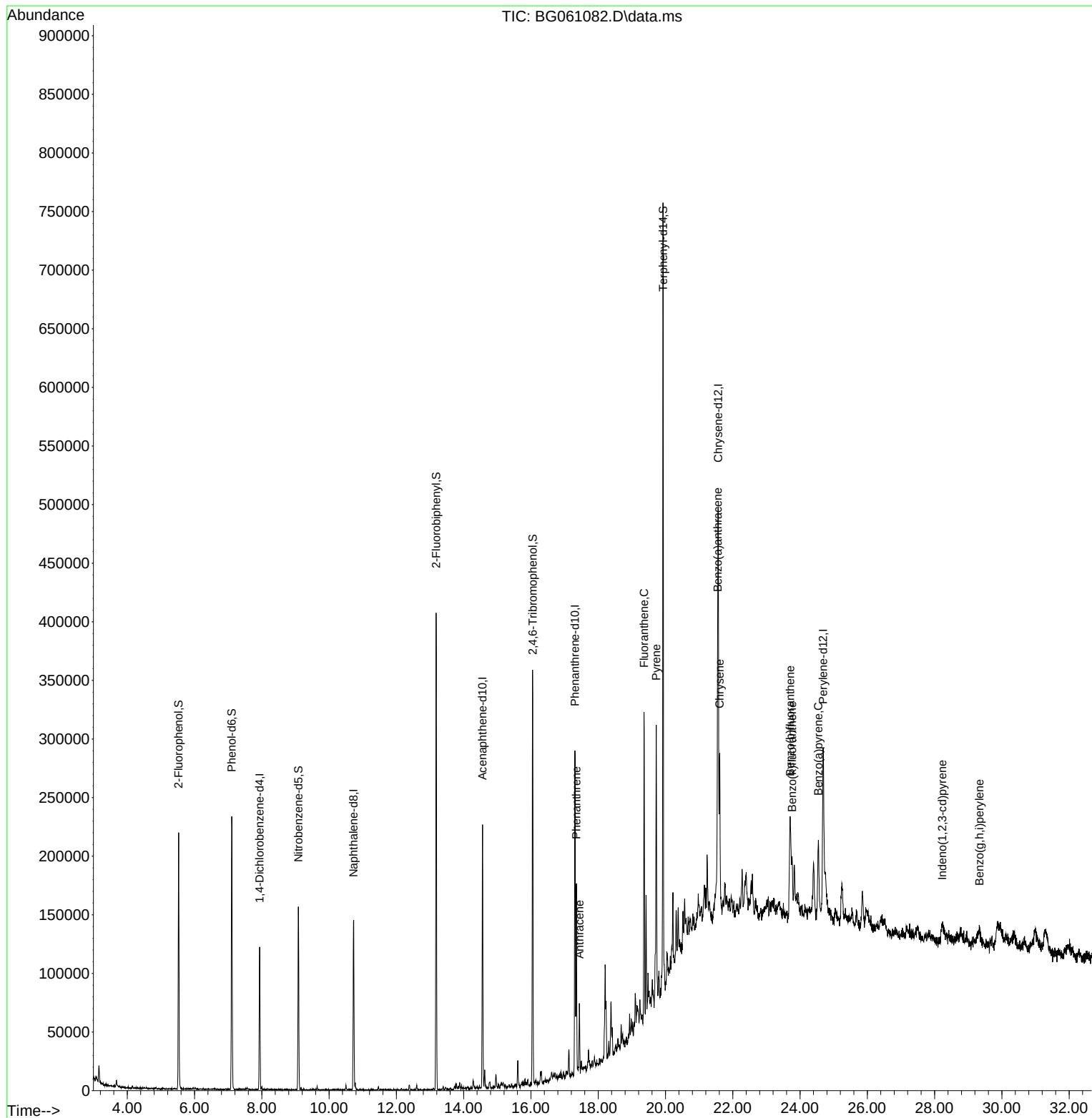
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061082.D
Acq On : 1 May 2024 18:51
Operator : MA/JU
Sample : P2330-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

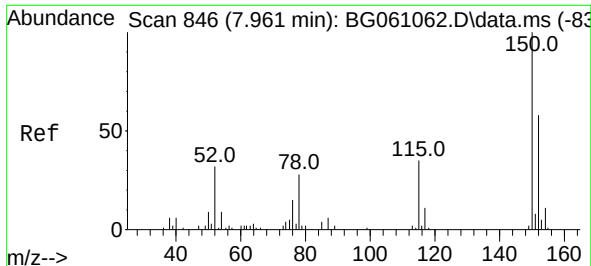
Instrument :
BNA_G
ClientSampleId :
F-1(0.5-1.5)

Quant Time: May 02 05:36:15 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
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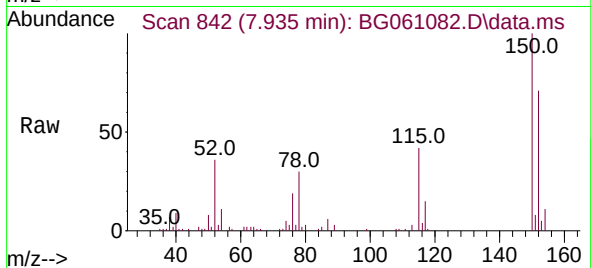
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

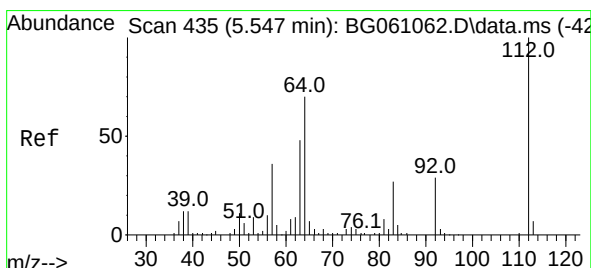
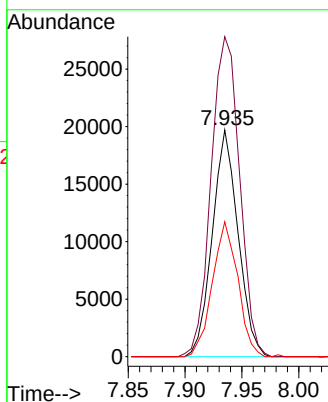
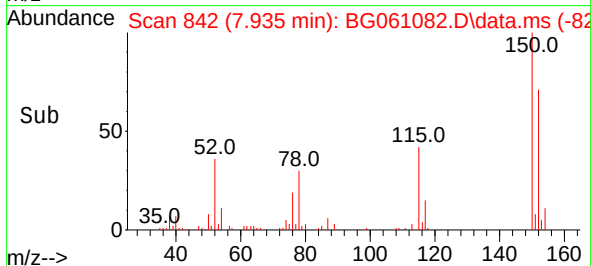
Instrument :
BNA_G
ClientSampleId :
F-1(0.5-1.5)



Tgt Ion:152 Resp: 31154
Ion Ratio Lower Upper
152 100
150 141.2 138.3 207.5
115 59.5 48.0 72.0

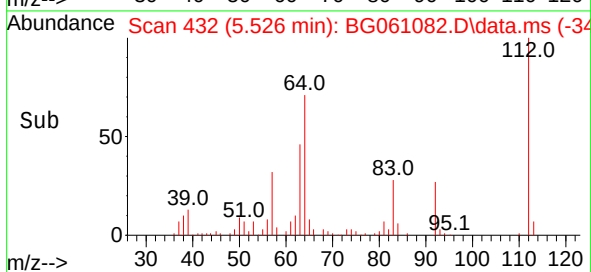
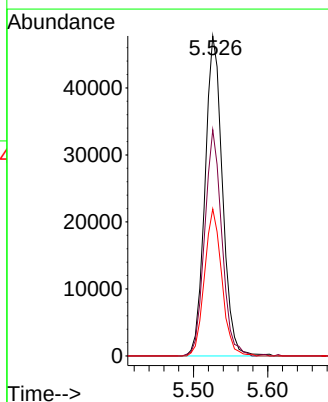
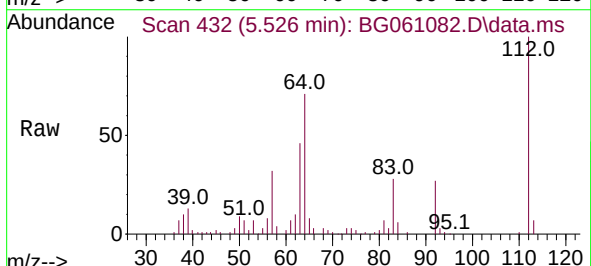
Manual Integrations
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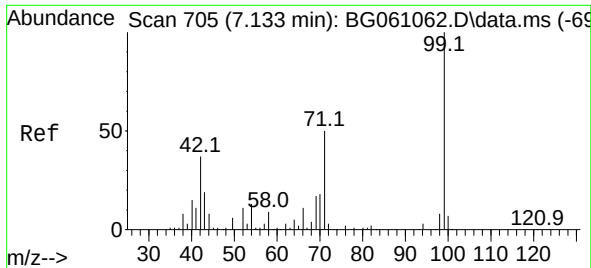
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 51.060 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Tgt Ion:112 Resp: 78217
Ion Ratio Lower Upper
112 100
64 70.7 55.7 83.5
63 45.9 38.1 57.1





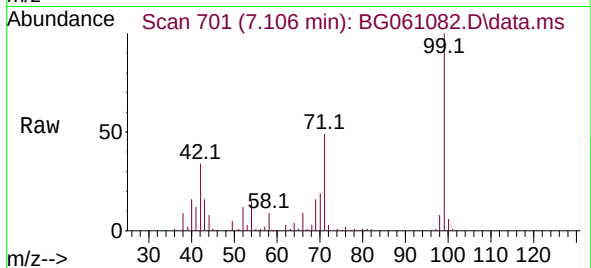
#7
Phenol-d6
Concen: 46.318 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

F-1(0.5-1.5)

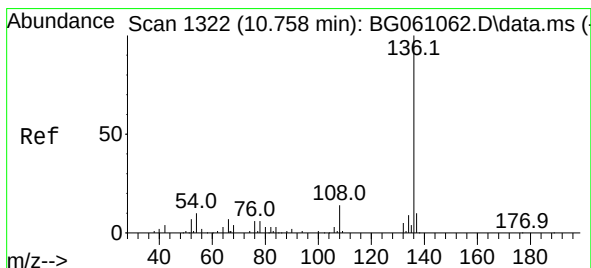
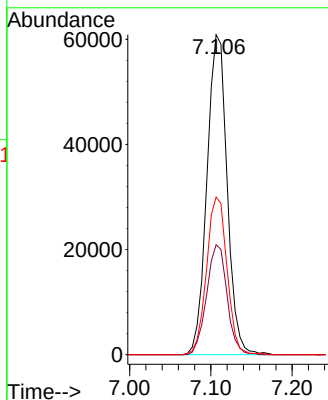
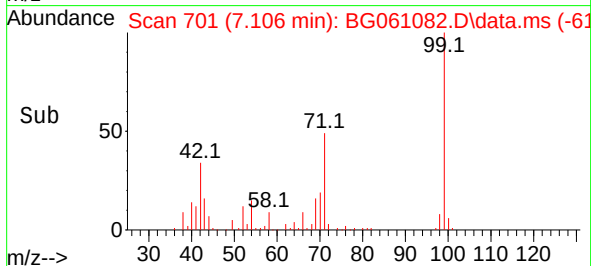


Tgt Ion: 99 Resp: 104962
Ion Ratio Lower Upper
99 100
42 34.3 29.2 43.8
71 49.2 39.7 59.5

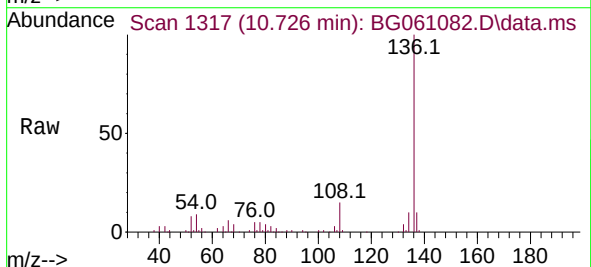
Manual Integrations

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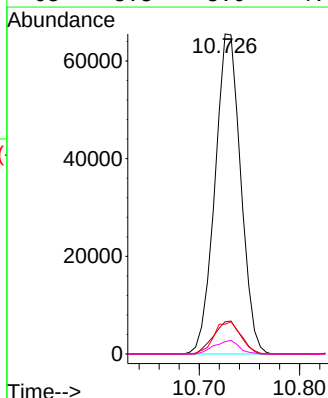
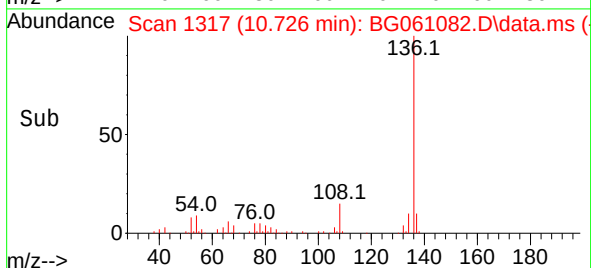
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

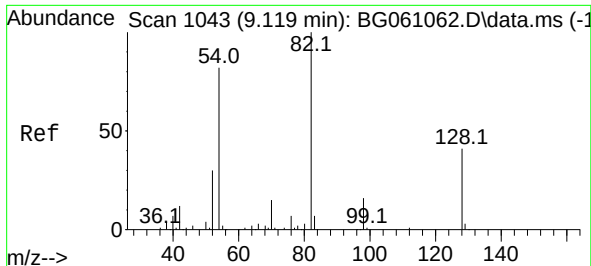


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51



Tgt Ion:136 Resp: 116620
Ion Ratio Lower Upper
136 100
137 10.0 7.8 11.6
54 9.3 8.1 12.1
68 3.8 3.0 4.4





#23

Nitrobenzene-d5

Concen: 32.423 ng

RT: 9.086 min Scan# 1038

Delta R.T. -0.032 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

F-1(0.5-1.5)

Tgt Ion: 82 Resp: 76279

Ion Ratio Lower Upper

82 100

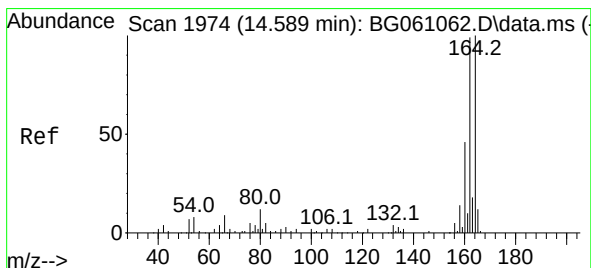
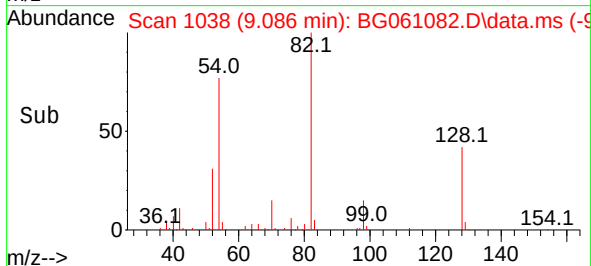
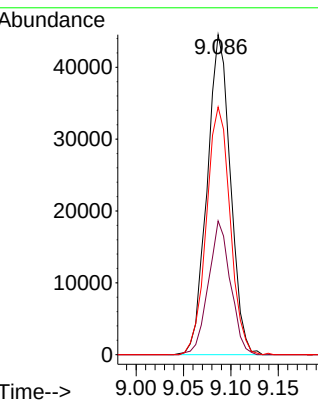
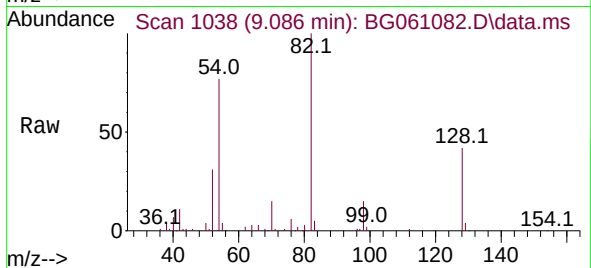
128 41.8 32.7 49.1

54 77.4 65.6 98.4

Manual Integrations

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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: BG061082.D

Acq: 1 May 2024 18:51

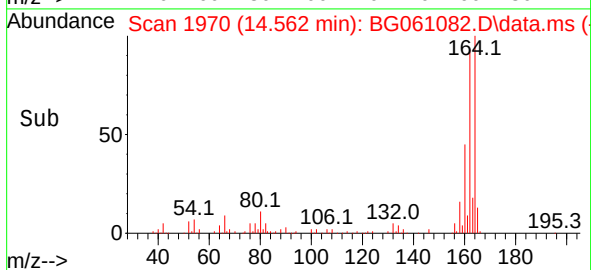
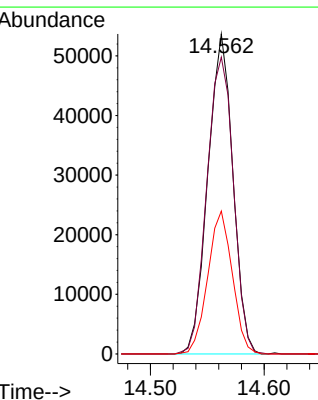
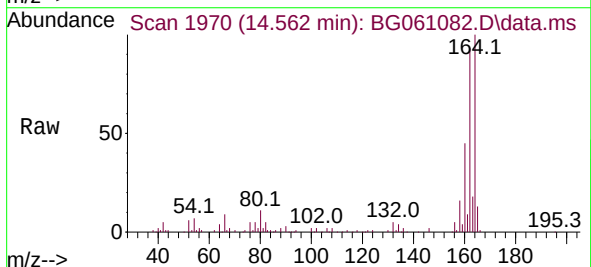
Tgt Ion:164 Resp: 82113

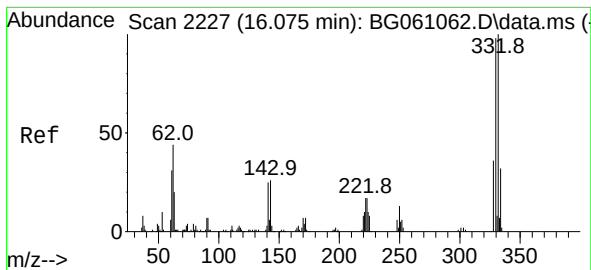
Ion Ratio Lower Upper

164 100

162 92.7 79.4 119.2

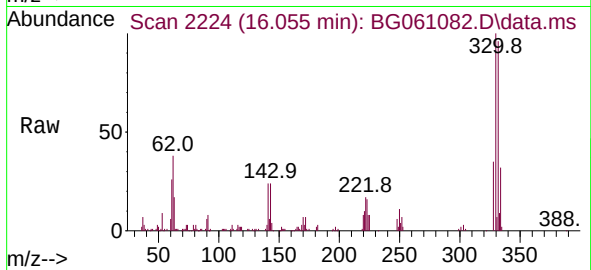
160 44.6 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 46.040 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

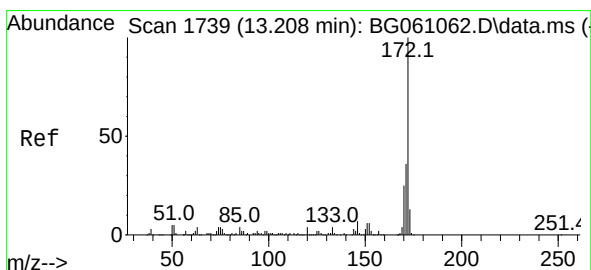
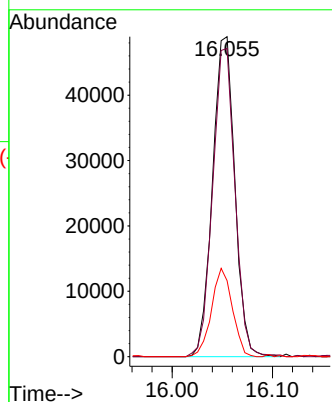
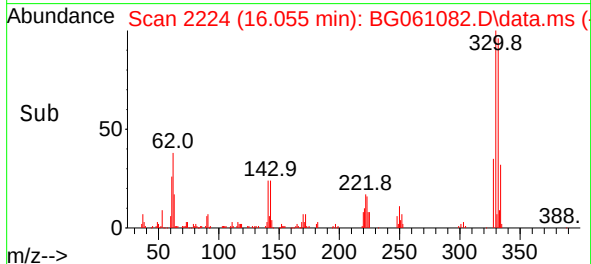
Instrument :
BNA_G
ClientSampleId :
F-1(0.5-1.5)



Tgt Ion:330 Resp: 7556
Ion Ratio Lower Upper
330 100
332 96.5 78.6 117.8
141 25.8 20.5 30.7

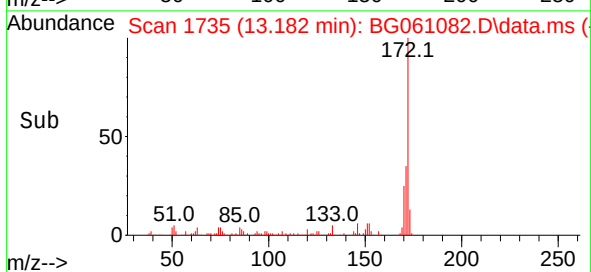
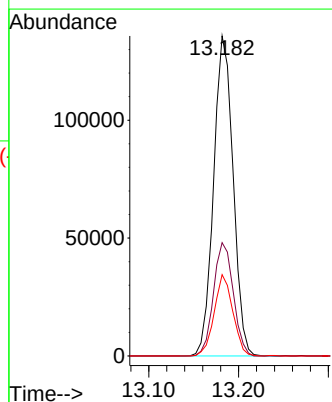
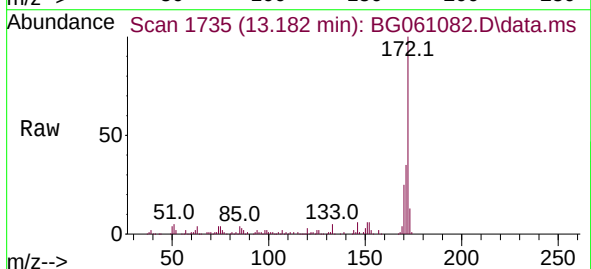
Manual Integrations
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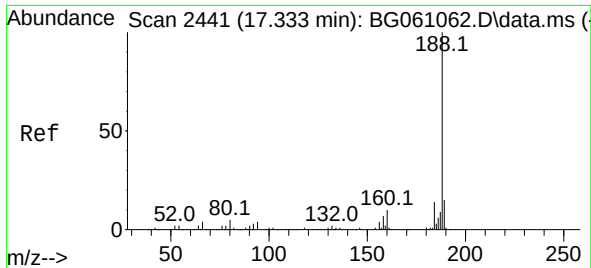
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 36.846 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Tgt Ion:172 Resp: 204607
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.6
170 25.4 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2441
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

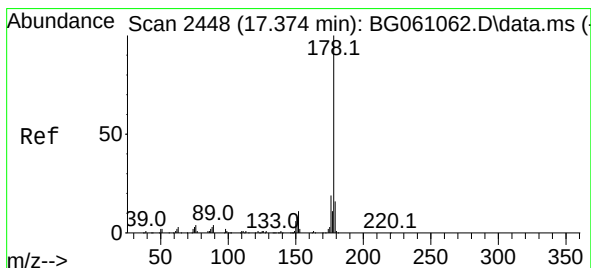
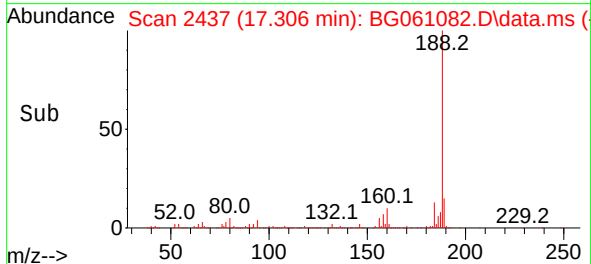
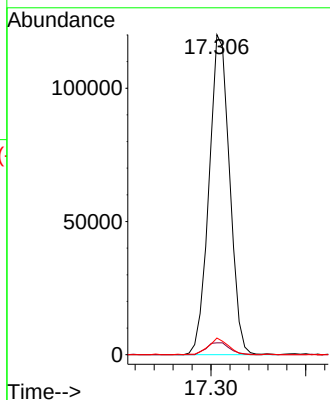
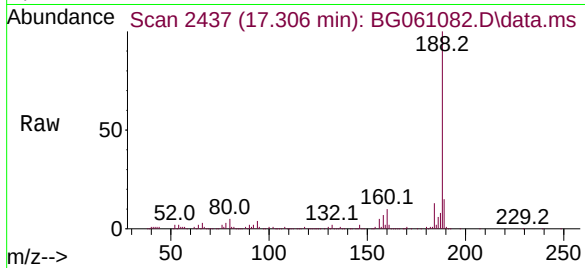
F-1(0.5-1.5)

Tgt Ion:188 Resp: 18095
Ion Ratio Lower Upper
188 100
94 3.7 3.6 5.4
80 5.2 4.2 6.2

Manual Integrations

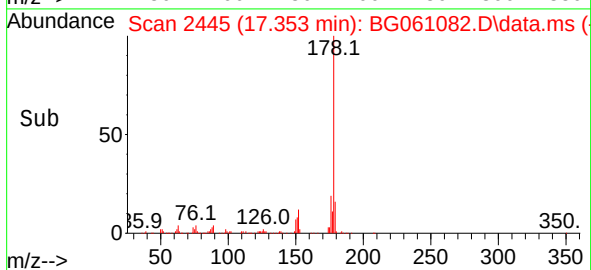
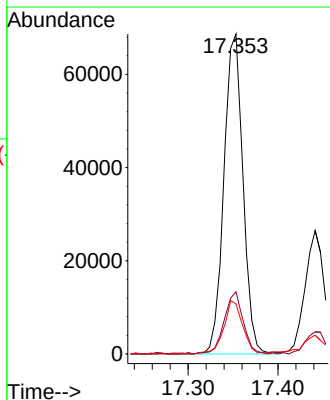
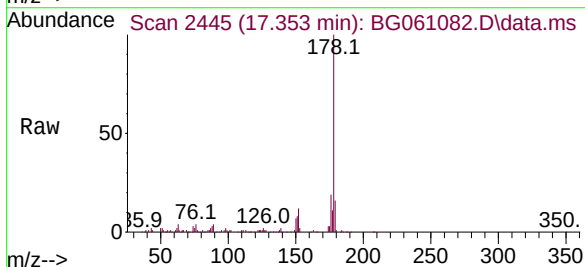
APPROVED

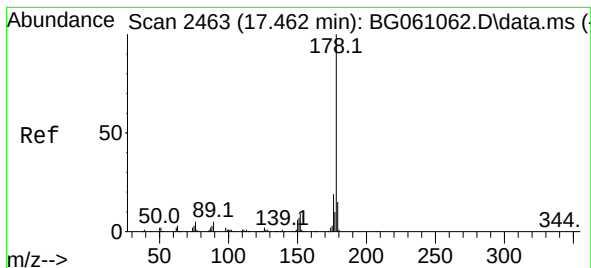
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 12.252 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

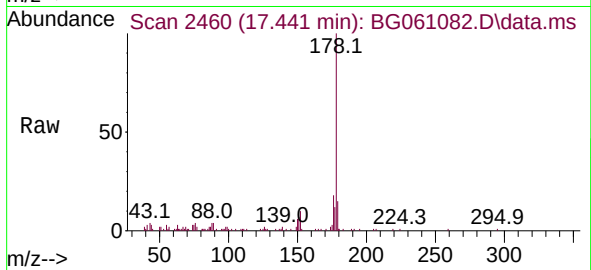
Tgt Ion:178 Resp: 101369
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.7 12.6 19.0





#72
 Anthracene
 Concen: 4.649 ng
 RT: 17.441 min Scan# 2460
 Delta R.T. -0.021 min
 Lab File: BG061082.D
 Acq: 1 May 2024 18:51

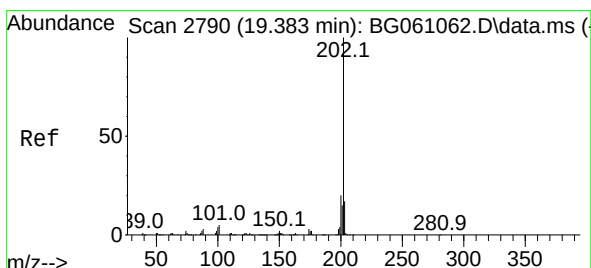
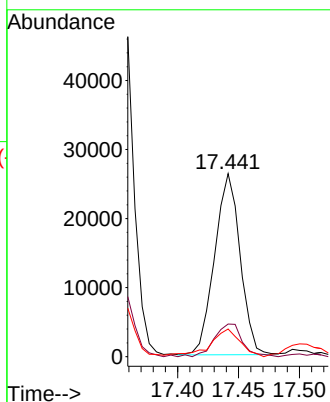
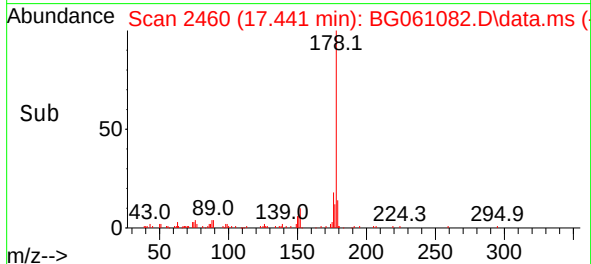
Instrument :
 BNA_G
 ClientSampleId :
 F-1(0.5-1.5)



Tgt Ion:178 Resp: 3838
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 15.1 12.0 18.0

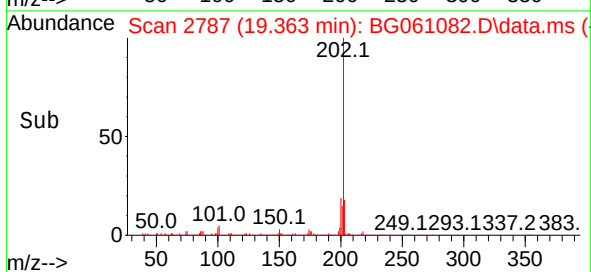
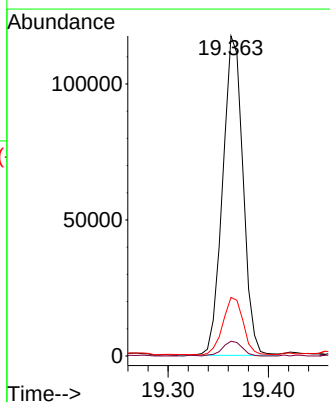
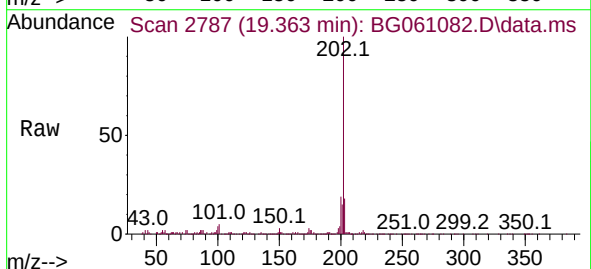
Manual Integrations
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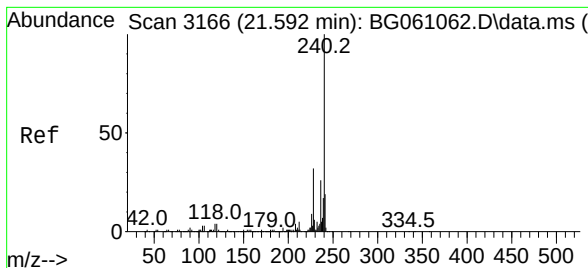
Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024



#75
 Fluoranthene
 Concen: 14.573 ng
 RT: 19.363 min Scan# 2787
 Delta R.T. -0.021 min
 Lab File: BG061082.D
 Acq: 1 May 2024 18:51

Tgt Ion:202 Resp: 165182
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 24.7
 203 18.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 3162

Delta R.T. -0.027 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

F-1(0.5-1.5)

Tgt Ion:240 Resp: 17171

Ion Ratio Lower Upper

240 100

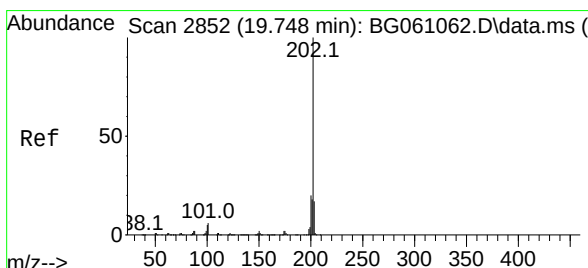
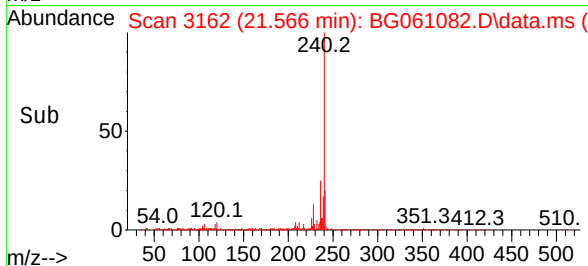
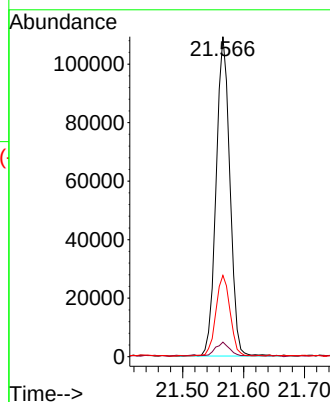
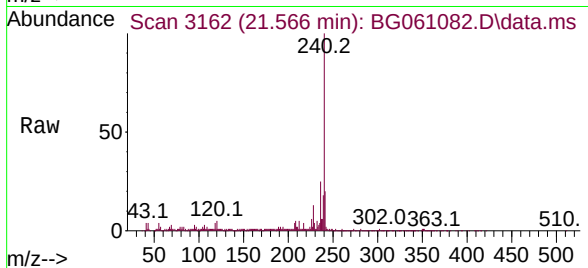
120 4.5 3.2 4.8

236 25.4 21.0 31.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#78

Pyrene

Concen: 14.906 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

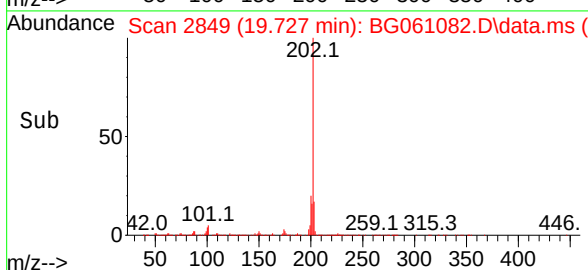
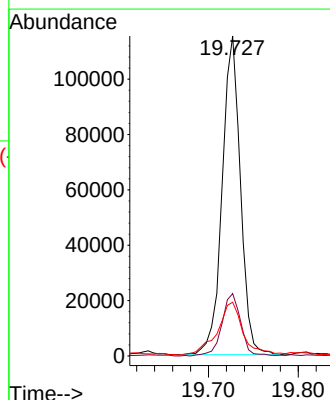
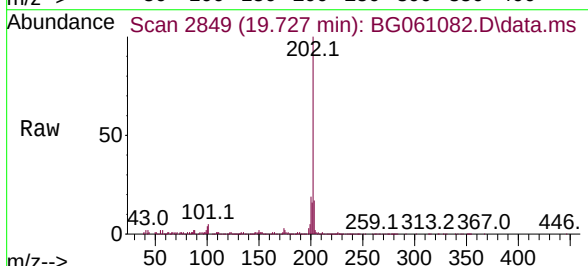
Tgt Ion:202 Resp: 162723

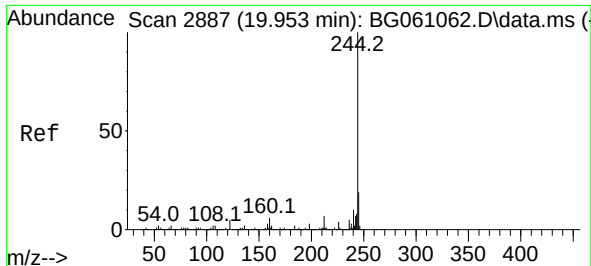
Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.4

203 16.8 13.3 19.9





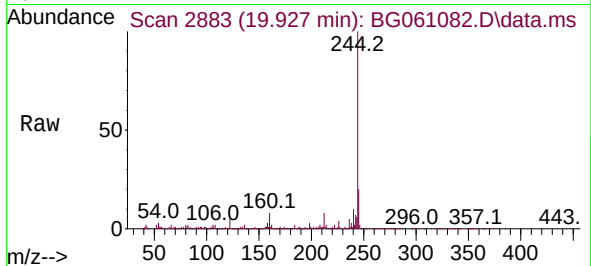
#79
Terphenyl-d14
Concen: 32.591 ng
RT: 19.927 min Scan# 21
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

F-1(0.5-1.5)

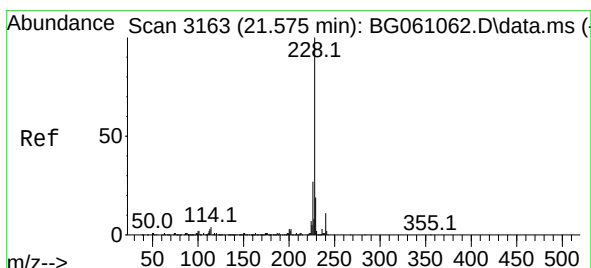
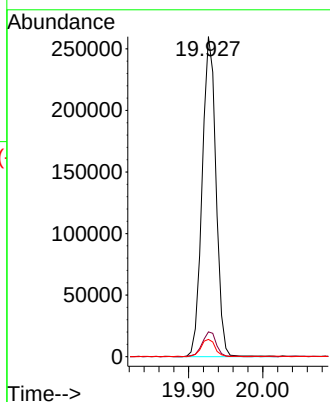
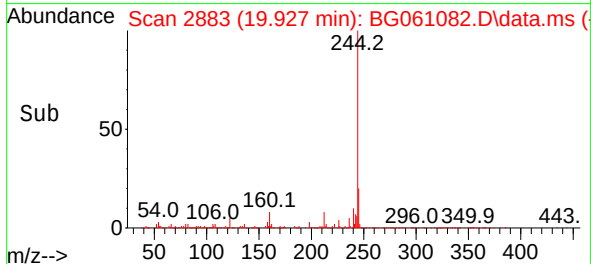


Tgt Ion:244 Resp: 336494
Ion Ratio Lower Upper
244 100
212 7.7 5.7 8.5
122 5.4 4.2 6.2

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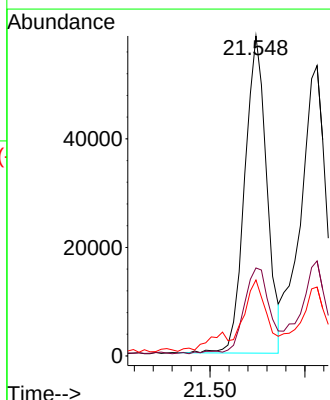
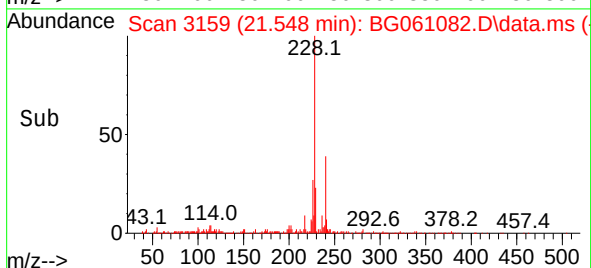
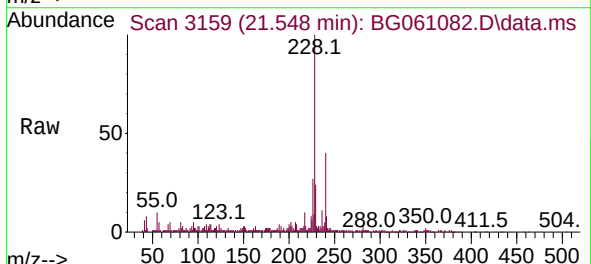
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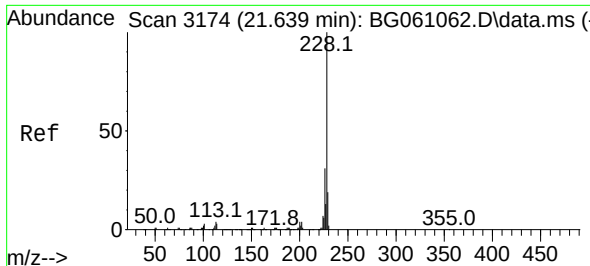
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#81
Benzo(a)anthracene
Concen: 8.398 ng
RT: 21.548 min Scan# 3159
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

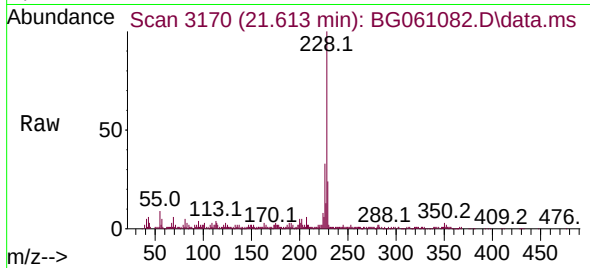
Tgt Ion:228 Resp: 94362
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 23.7 15.0 22.4#





#83
Chrysene
Concen: 9.509 ng m
RT: 21.613 min Scan# 3174
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

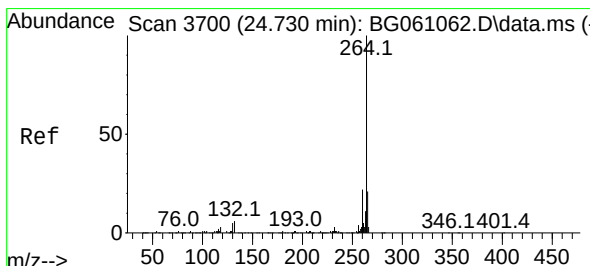
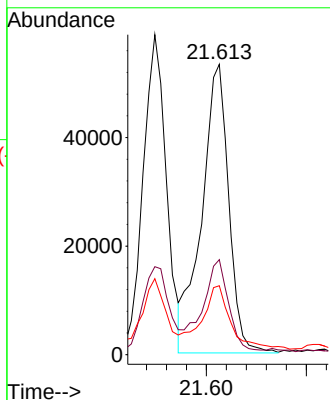
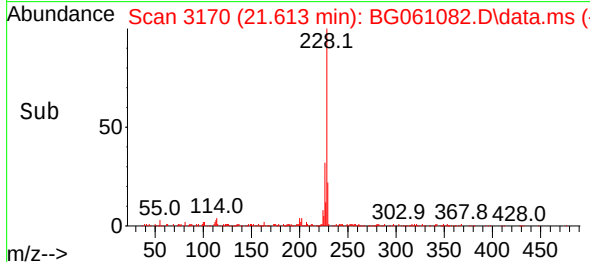
Instrument :
BNA_G
ClientSampleId :
F-1(0.5-1.5)



Tgt Ion:228 Resp: 100102
Ion Ratio Lower Upper
228 100
226 32.7 24.4 36.6
229 23.8 14.8 22.2

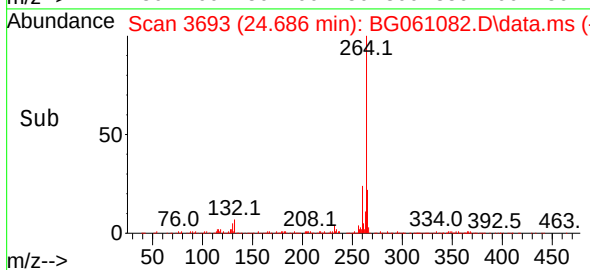
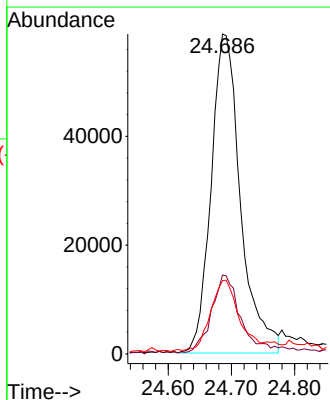
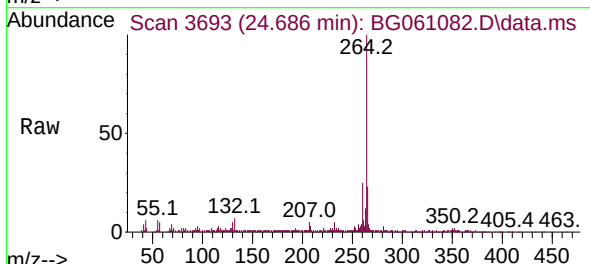
Manual Integrations
APPROVED

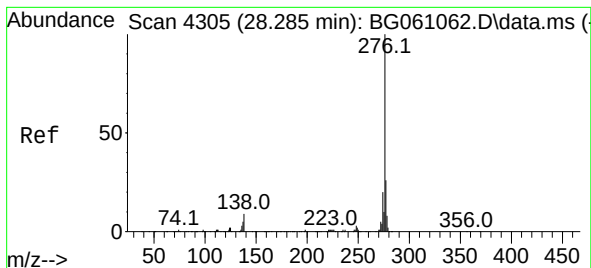
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.686 min Scan# 3693
Delta R.T. -0.044 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Tgt Ion:264 Resp: 189404
Ion Ratio Lower Upper
264 100
260 24.7 17.7 26.5
265 23.0 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.569 ng m

RT: 28.229 min Scan# 41

Delta R.T. -0.056 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

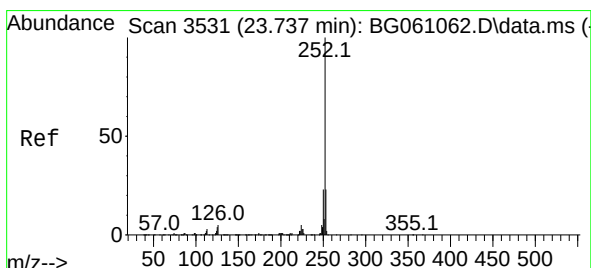
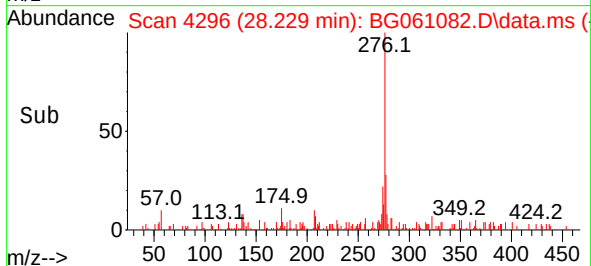
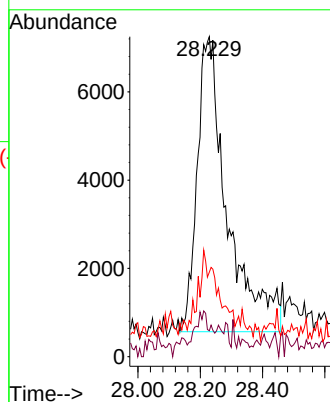
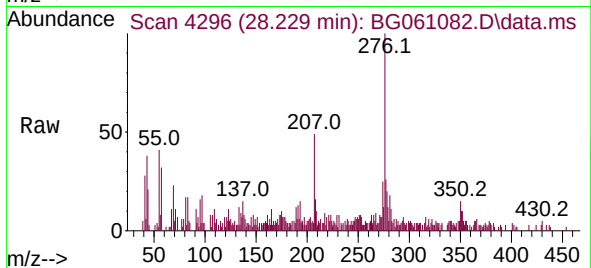
F-1(0.5-1.5)

Tgt Ion:	276	Resp:	4479
Ion Ratio	Lower	Upper	
276	100		
138	4.1	5.1	7.7
277	7.5	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#88

Benzo(b)fluoranthene

Concen: 11.225 ng

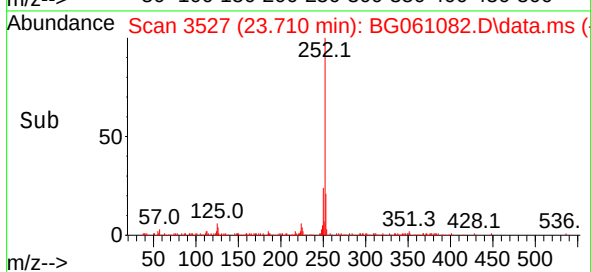
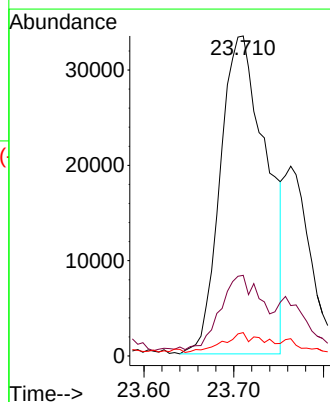
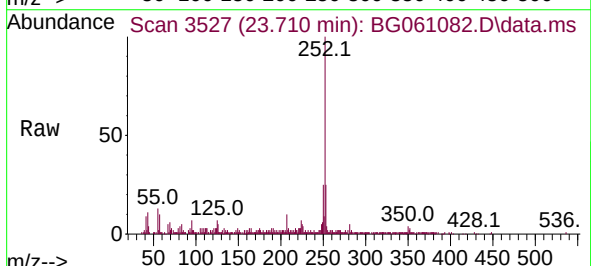
RT: 23.710 min Scan# 3527

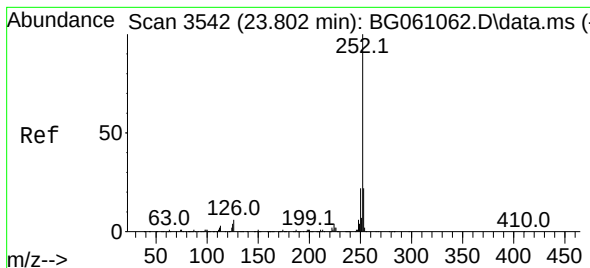
Delta R.T. -0.027 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Tgt Ion:	252	Resp:	118807
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.2	27.2
125	7.3	3.4	5.0





#89

Benzo(k)fluoranthene

Concen: 3.848 ng m

RT: 23.763 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

F-1(0.5-1.5)

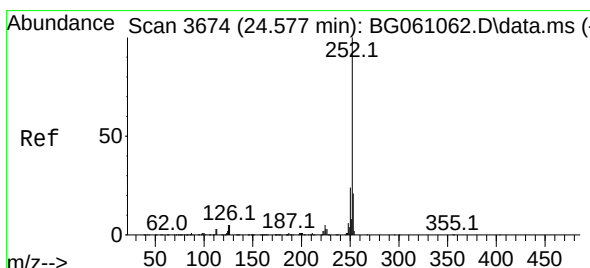
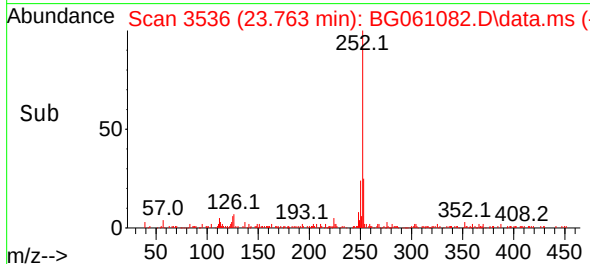
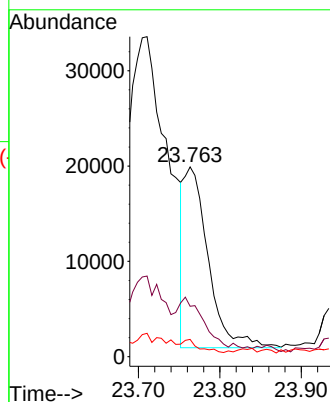
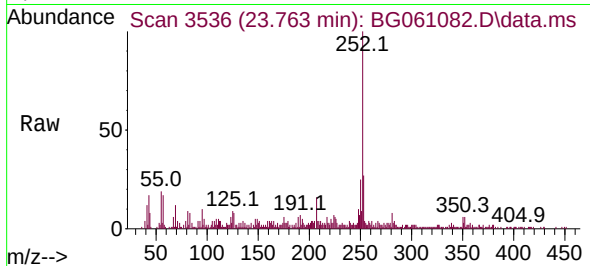
Tgt Ion:252 Resp: 3918

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.3	25.9
125	9.2	3.2	4.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#90

Benzo(a)pyrene

Concen: 9.126 ng

RT: 24.545 min Scan# 3669

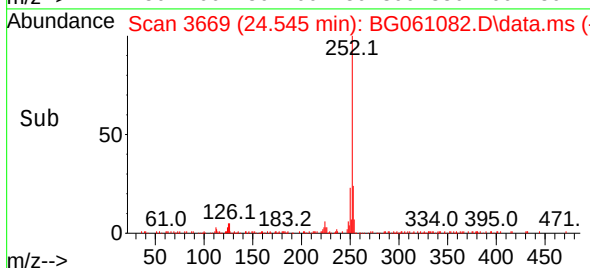
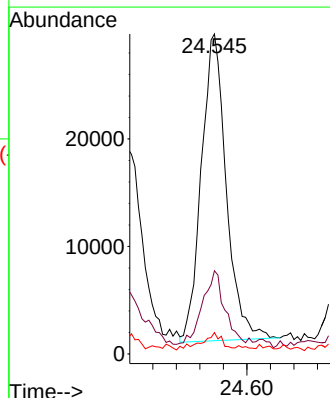
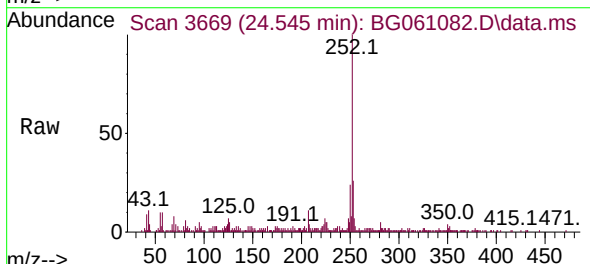
Delta R.T. -0.032 min

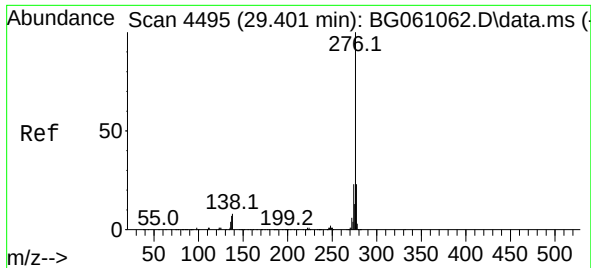
Lab File: BG061082.D

Acq: 1 May 2024 18:51

Tgt Ion:252 Resp: 84153

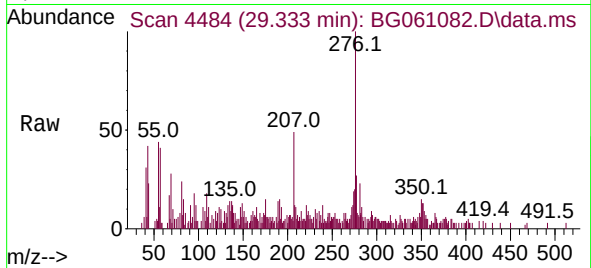
Ion	Ratio	Lower	Upper
252	100		
253	26.0	16.9	25.3
125	6.7	3.8	5.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.412 ng m
 RT: 29.333 min Scan# 44
 Delta R.T. -0.068 min
 Lab File: BG061082.D
 Acq: 1 May 2024 18:51

Instrument :
 BNA_G
 ClientSampleId :
 F-1(0.5-1.5)



Tgt Ion:276 Resp: 3524
 Ion Ratio Lower Upper
 276 100
 277 26.9 18.2 27.4
 138 11.6 6.2 9.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024

