

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
 Data File : BG060953.D
 Acq On : 19 Apr 2024 2:45
 Operator : MA/JU
 Sample : P2148-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 72-11935

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

Quant Time: Apr 19 04:15:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	69527	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	266191	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	194708	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	396843	20.000	ng	# 0.00
76) Chrysene-d12	21.578	240	176297	20.000	ng	# 0.00
86) Perylene-d12	24.710	264	484756	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	347535	86.824	ng	0.00
7) Phenol-d6	7.107	99	508042	88.105	ng	0.00
23) Nitrobenzene-d5	9.093	82	332152	56.647	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	260836	81.090	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	822228	61.969	ng	0.00
79) Terphenyl-d14	19.945	244	1317445	130.419	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.389	142	23436	2.152	ng	98
71) Phenanthrene	17.365	178	161094	8.020	ng	# 78
75) Fluoranthene	19.381	202	584796	22.873	ng	97
78) Pyrene	19.739	202	609237	50.376	ng	98
81) Benzo(a)anthracene	21.555	228	145780	11.710	ng	97
83) Chrysene	21.625	228	395569	33.279	ng	97
84) Bis(2-ethylhexyl)phtha...	21.584	149	18346710	2793.191	ng	# 37
87) Indeno(1,2,3-cd)pyrene	28.241	276	255612	7.625	ng	# 92
88) Benzo(b)fluoranthene	23.729	252	551210	20.097	ng	# 96
89) Benzo(k)fluoranthene	23.781	252	167210m	5.959	ng	
90) Benzo(a)pyrene	24.557	252	372432	13.773	ng	# 96
91) Dibenzo(a,h)anthracene	28.288	278	57572m	2.086	ng	
92) Benzo(g,h,i)perylene	29.340	276	250155m	9.273	ng	

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

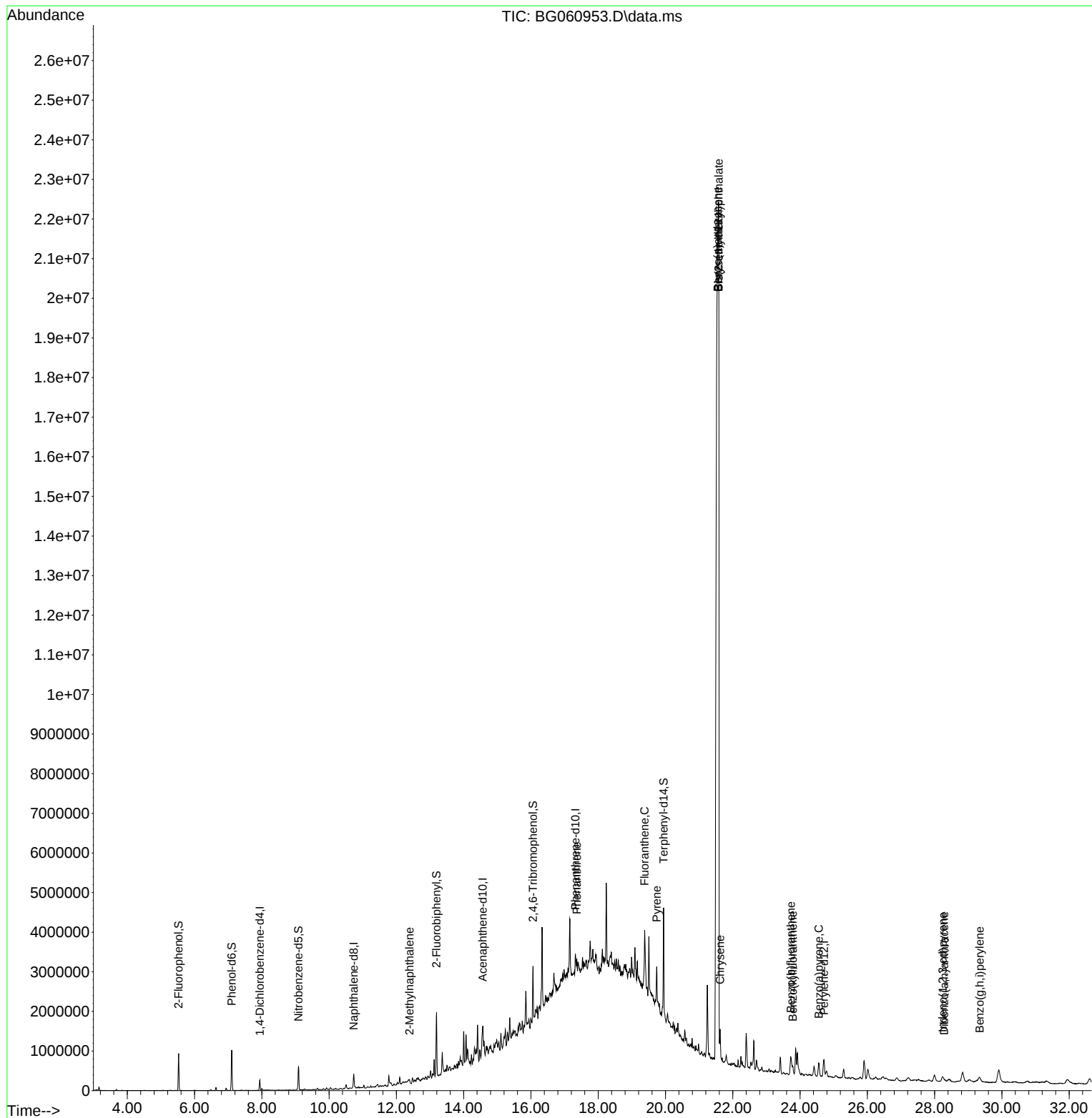
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041824\
Data File : BG060953.D
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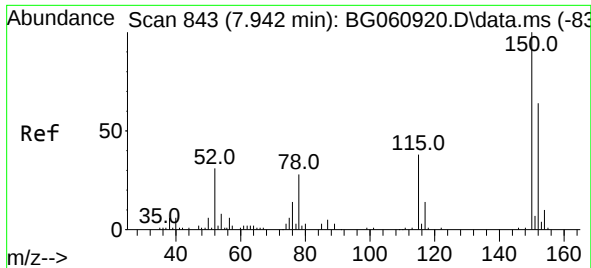
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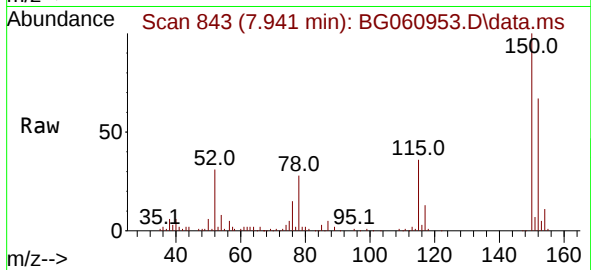


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 843
Delta R.T. -0.001 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

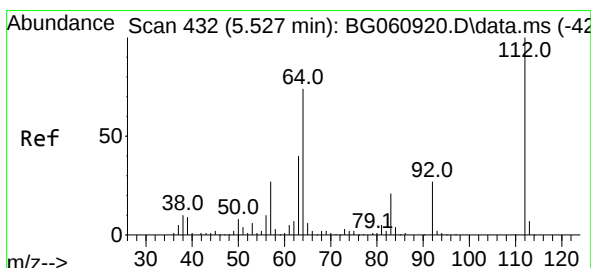
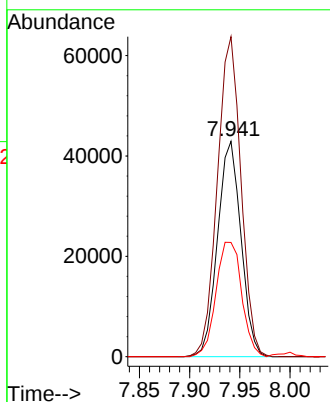
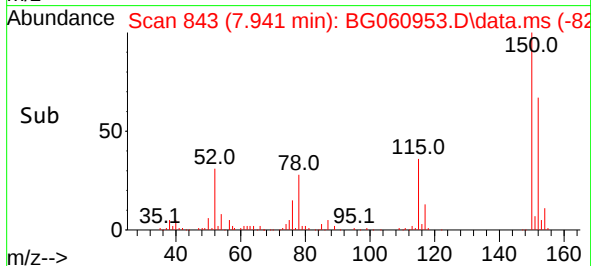
ClientSampleId :
72-11935



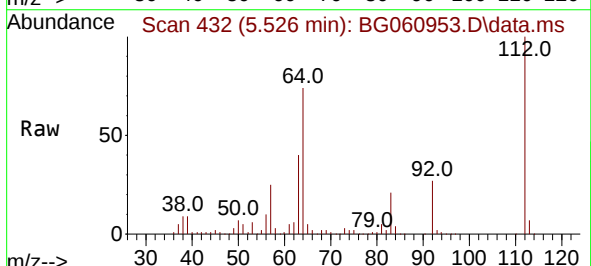
Tgt Ion:152 Resp: 6952
Ion Ratio Lower Upper
152 100
150 148.5 125.6 188.4
115 53.0 47.1 70.7

Manual Integrations
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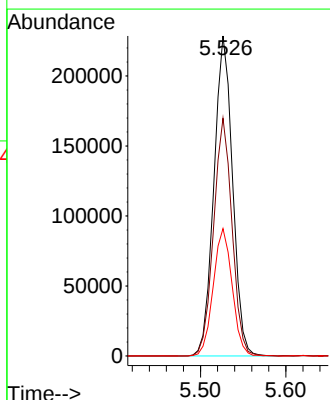
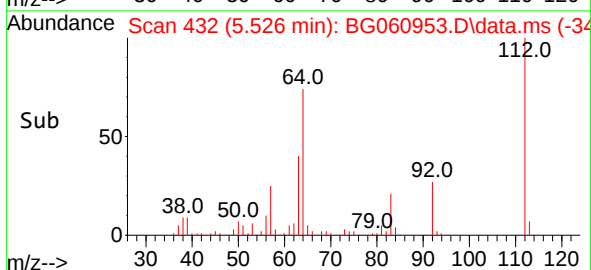
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

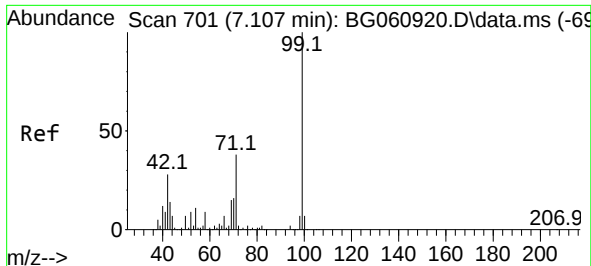


#5
2-Fluorophenol
Concen: 86.824 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45



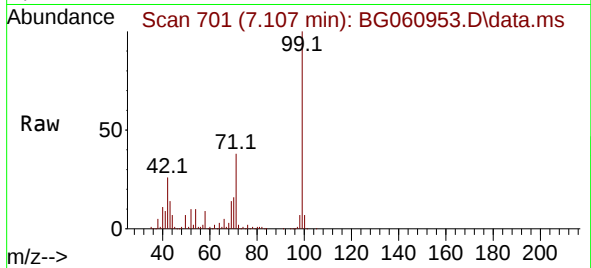
Tgt Ion:112 Resp: 347535
Ion Ratio Lower Upper
112 100
64 74.3 58.9 88.3
63 39.8 32.1 48.1





#7
Phenol-d6
Concen: 88.105 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

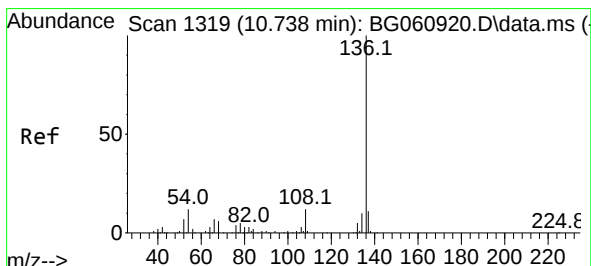
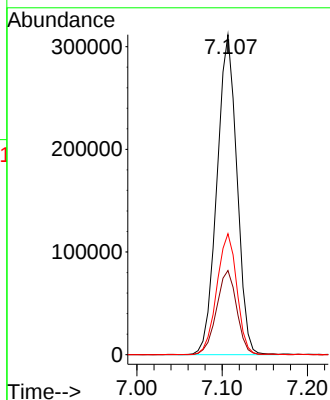
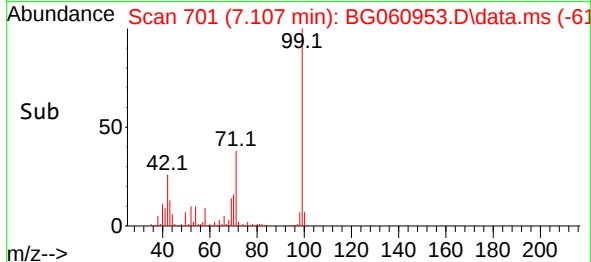
Instrument :
BNA_G
ClientSampleId :
72-11935



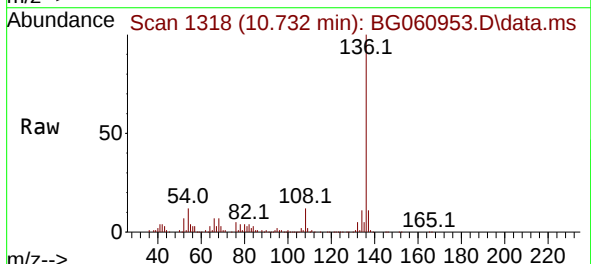
Tgt Ion: 99 Resp: 50804
Ion Ratio Lower Upper
99 100
42 26.3 22.2 33.2
71 37.8 30.5 45.7

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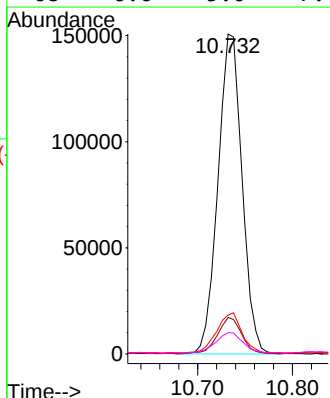
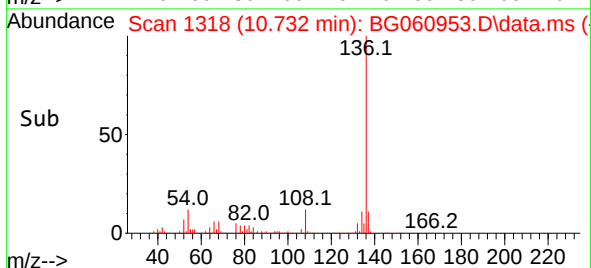
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

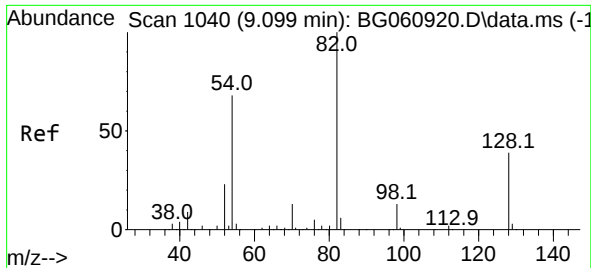


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45



Tgt Ion:136 Resp: 266191
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 12.2 9.8 14.8
68 6.6 5.0 7.4





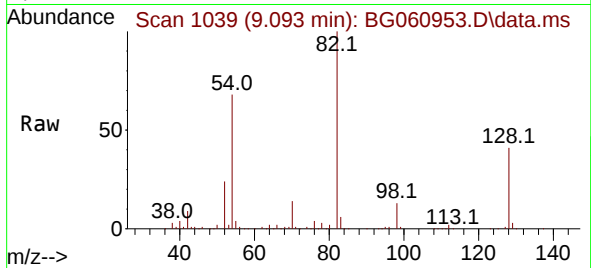
#23
Nitrobenzene-d5
Concen: 56.647 ng
RT: 9.093 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935



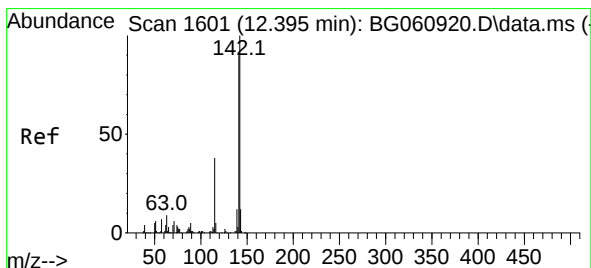
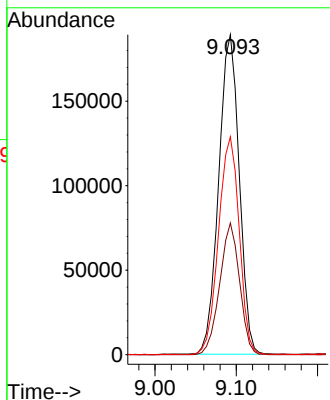
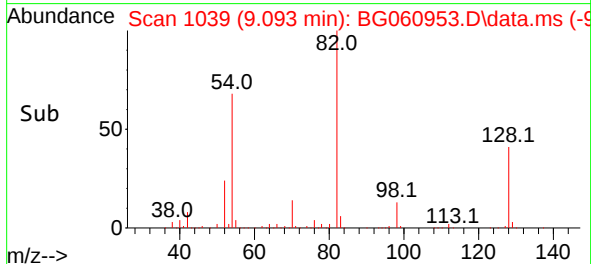
Tgt Ion: 82 Resp: 332152
Ion Ratio Lower Upper
82 100
128 41.1 31.4 47.0
54 68.1 54.2 81.4

Manual Integrations

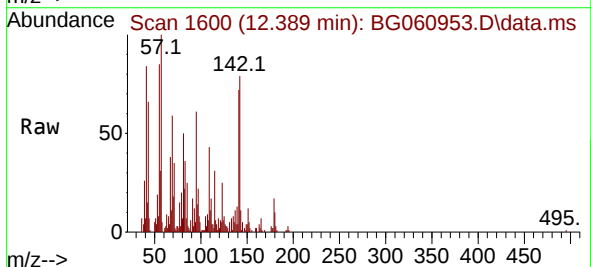
APPROVED

Reviewed By :Yogesh Patel 04/22/2024

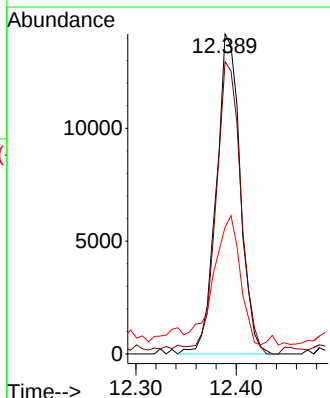
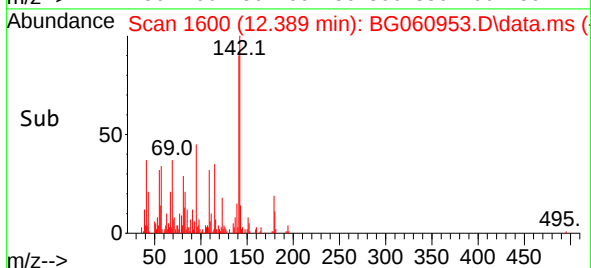
Supervised By :mohammad ahmed 04/22/2024

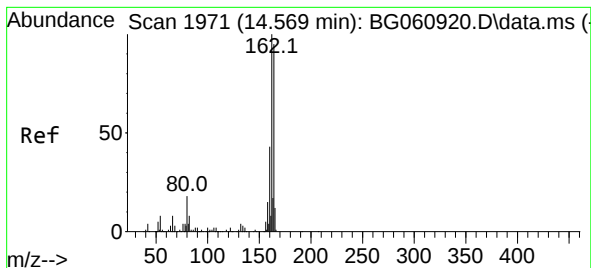


#37
2-Methylnaphthalene
Concen: 2.152 ng
RT: 12.389 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45



Tgt Ion:142 Resp: 23436
Ion Ratio Lower Upper
142 100
141 91.4 71.7 107.5
115 39.7 30.6 45.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.569 min Scan# 1971

Delta R.T. -0.000 min

Lab File: BG060953.D

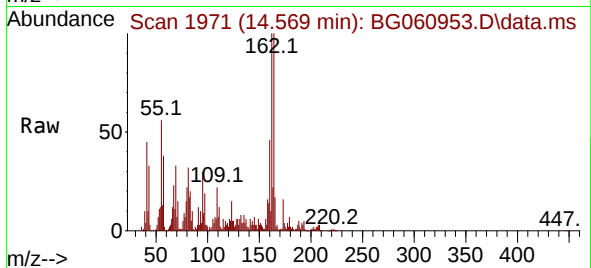
Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935



Tgt Ion:164 Resp: 194708

Ion Ratio Lower Upper

164 100

162 100.1 84.1 126.1

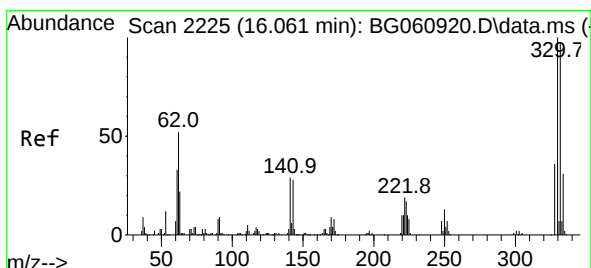
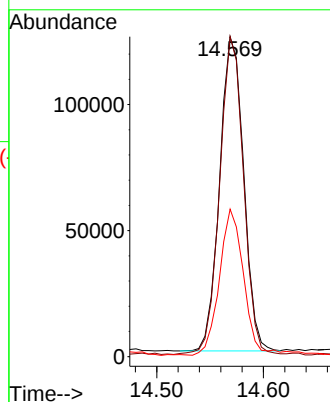
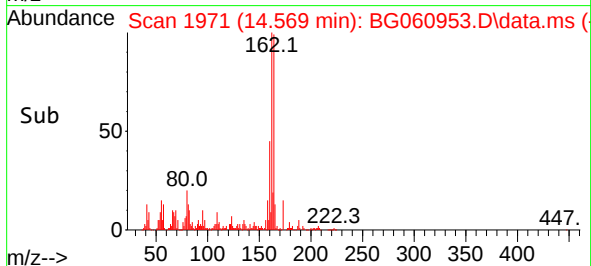
160 46.1 35.9 53.9

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 81.090 ng

RT: 16.061 min Scan# 2225

Delta R.T. -0.000 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

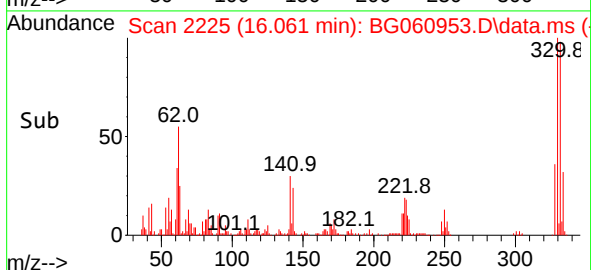
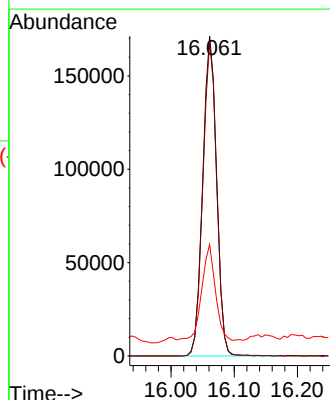
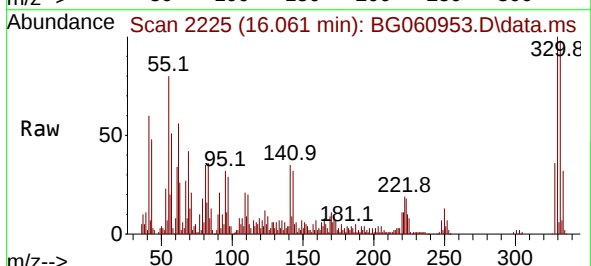
Tgt Ion:330 Resp: 260836

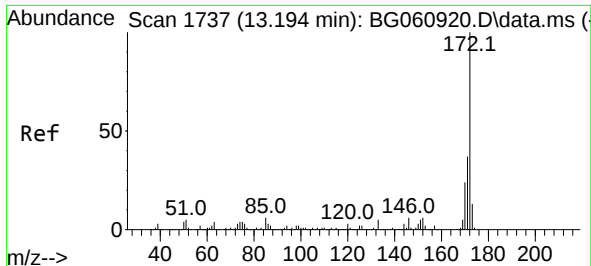
Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

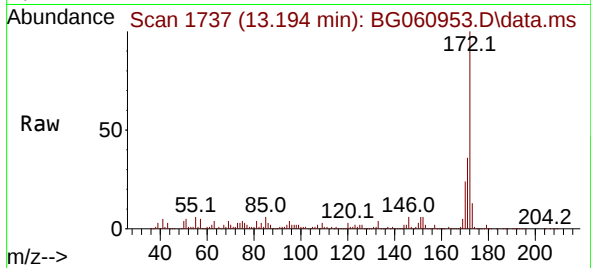
141 28.7 23.7 35.5





#45
2-Fluorobiphenyl
Concen: 61.969 ng
RT: 13.194 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

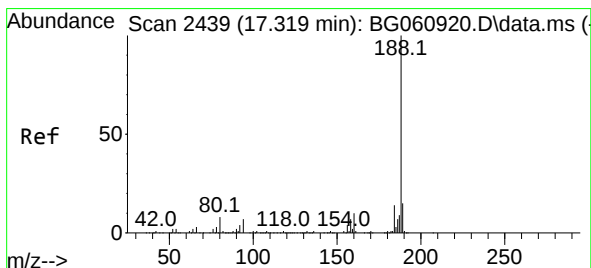
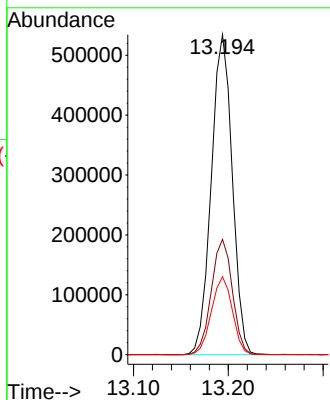
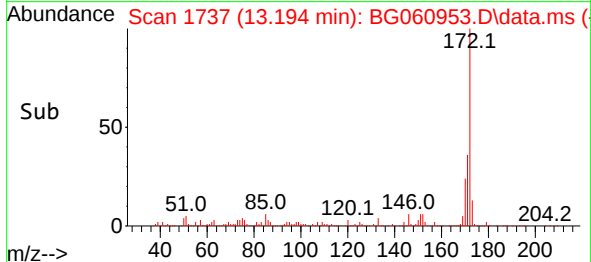
Instrument :
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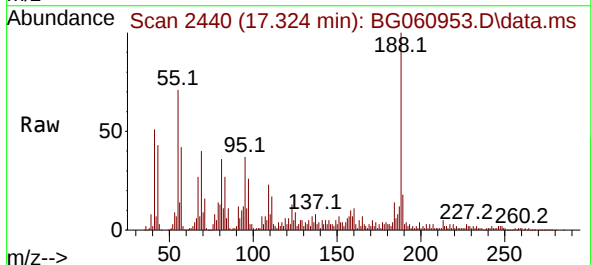
Tgt Ion:172 Resp: 822228
Ion Ratio Lower Upper
172 100
171 36.1 29.3 43.9
170 24.3 19.5 29.3

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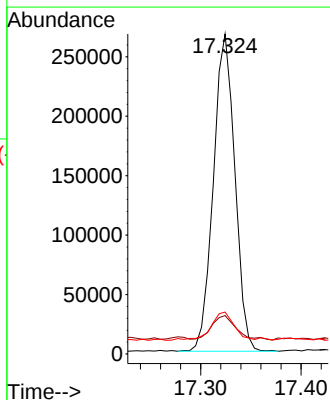
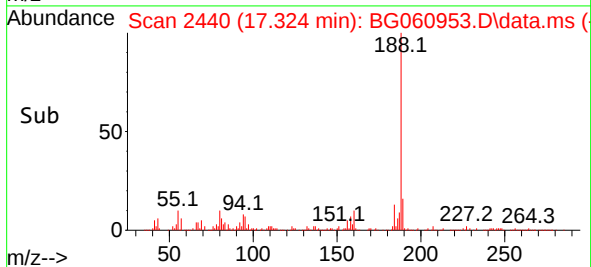
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

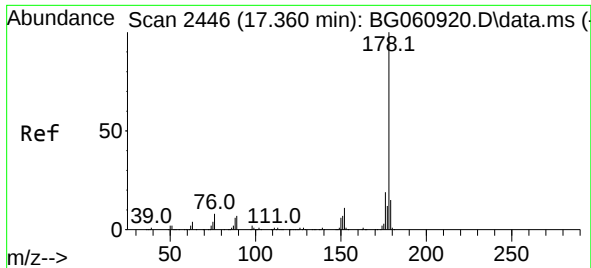


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2440
Delta R.T. 0.005 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45



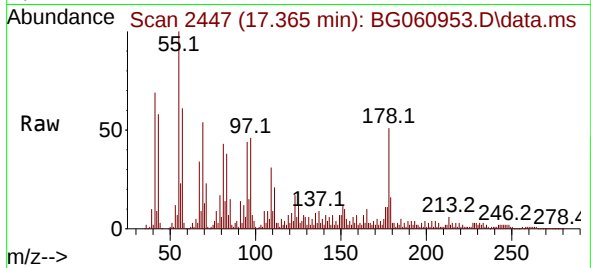
Tgt Ion:188 Resp: 396843
Ion Ratio Lower Upper
188 100
94 12.0 5.7 8.5#
80 13.1 6.6 9.8#





#71
Phenanthrene
Concen: 8.020 ng
RT: 17.365 min Scan# 2446
Delta R.T. 0.005 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

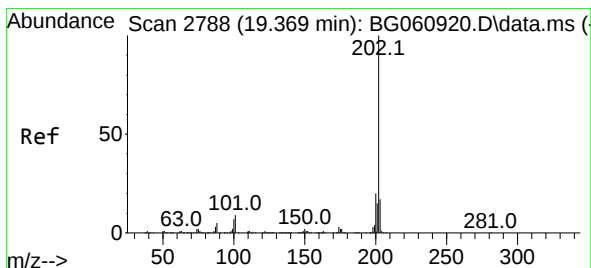
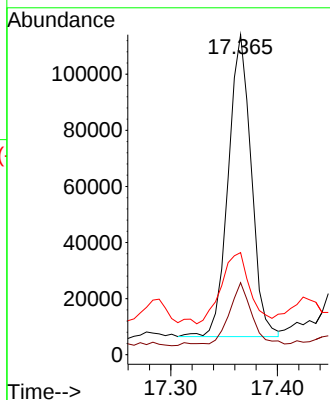
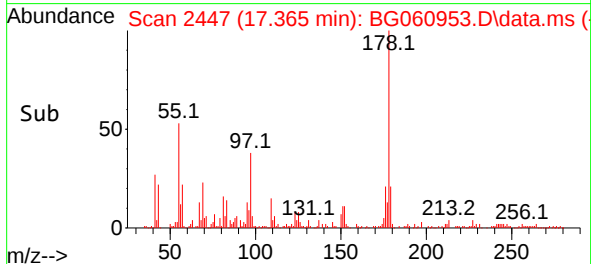
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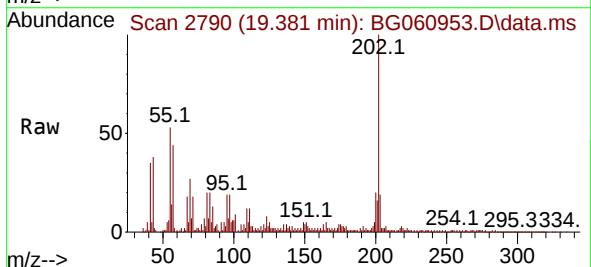
Tgt Ion:178 Resp: 161094
Ion Ratio Lower Upper
178 100
176 22.5 15.4 23.2
179 31.9 12.0 18.0

Manual Integrations
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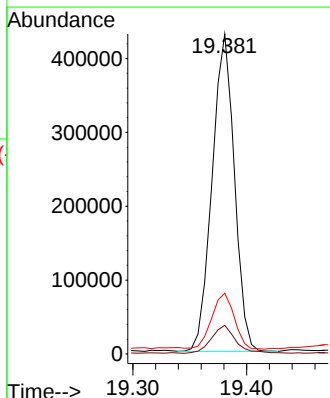
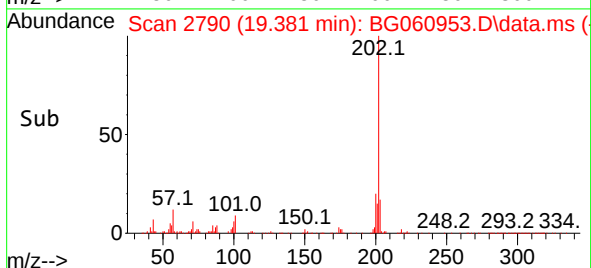
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

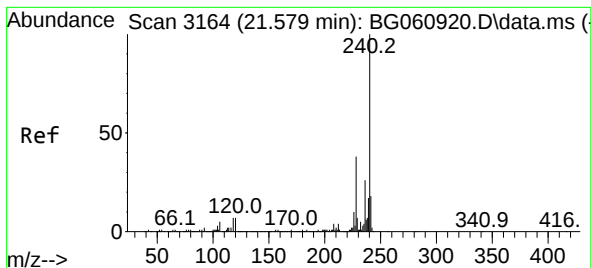


#75
Fluoranthene
Concen: 22.873 ng
RT: 19.381 min Scan# 2790
Delta R.T. 0.011 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45



Tgt Ion:202 Resp: 584796
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.6
203 19.0 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.578 min Scan# 3164

Delta R.T. -0.000 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

Tgt Ion:240 Resp: 17629

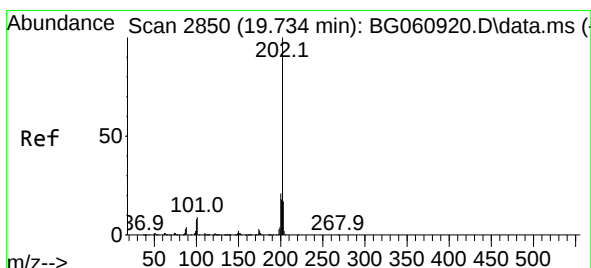
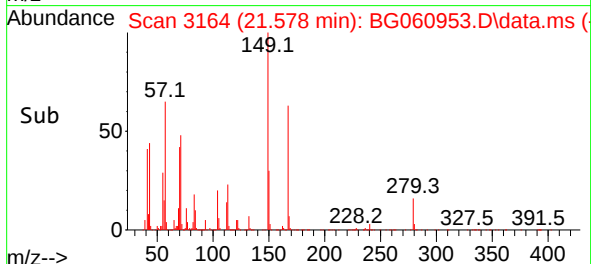
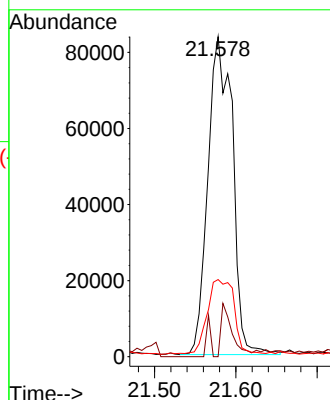
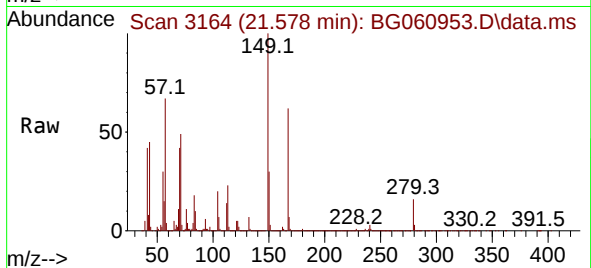
Ion	Ratio	Lower	Upper
240	100		
120	0.0	5.7	8.5
236	24.1	21.1	31.7

Manual Integrations

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Supervised By :mohammad ahmed 04/22/2024



#78

Pyrene

Concen: 50.376 ng

RT: 19.739 min Scan# 2851

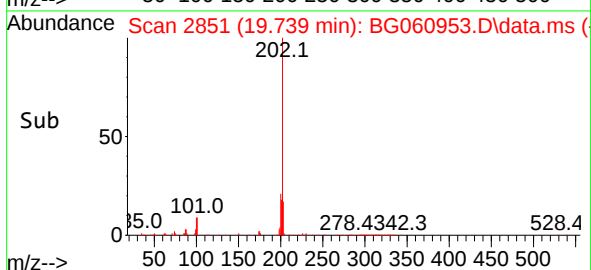
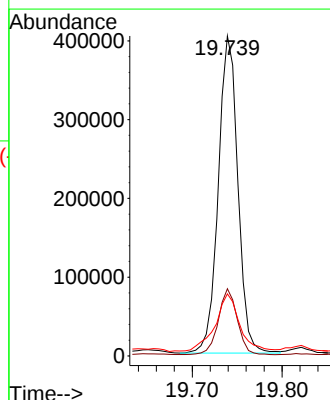
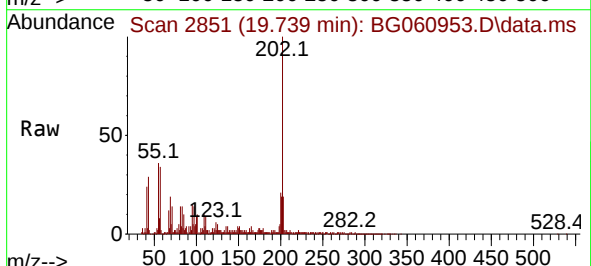
Delta R.T. 0.005 min

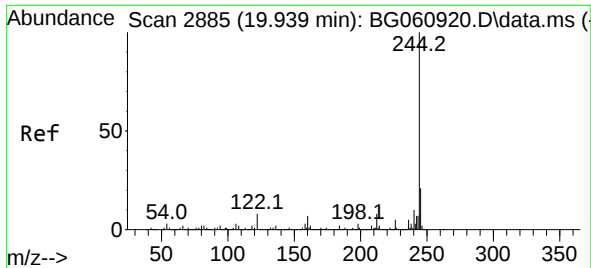
Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Tgt Ion:202 Resp: 609237

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	19.4	13.8	20.8





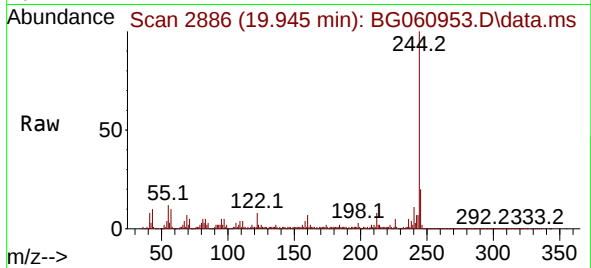
#79
 Terphenyl-d14
 Concen: 130.419 ng
 RT: 19.945 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG060953.D
 Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935



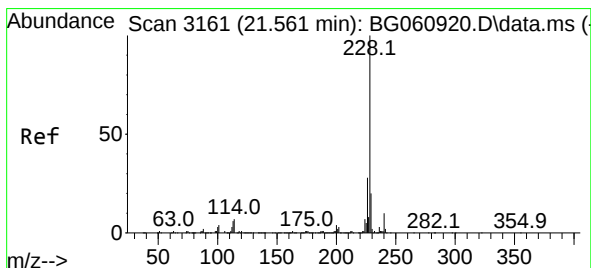
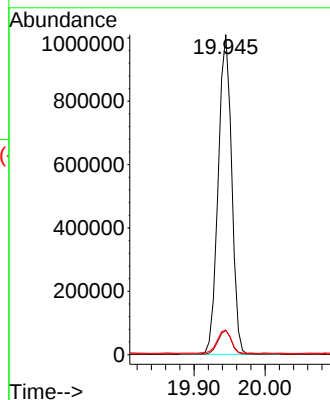
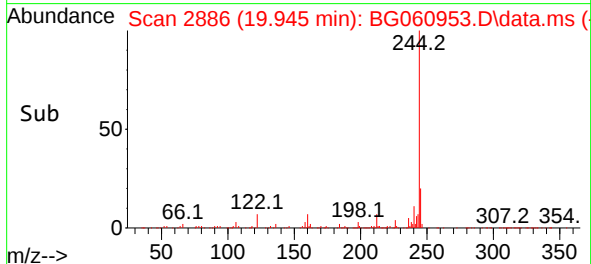
Tgt Ion:244 Resp: 131744
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 7.7 6.6 9.8

Manual Integrations

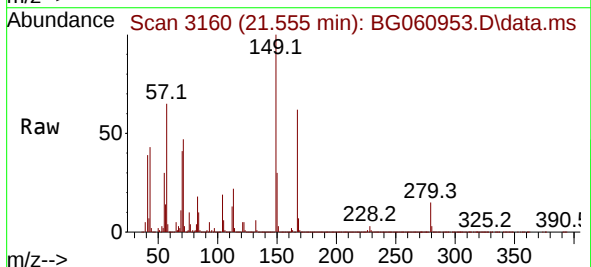
APPROVED

Reviewed By :Yogesh Patel 04/22/2024

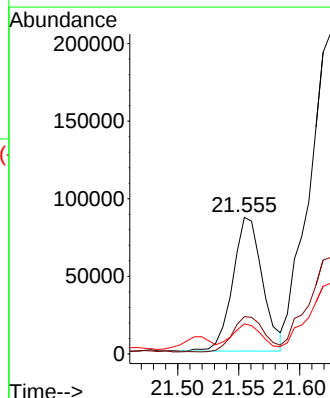
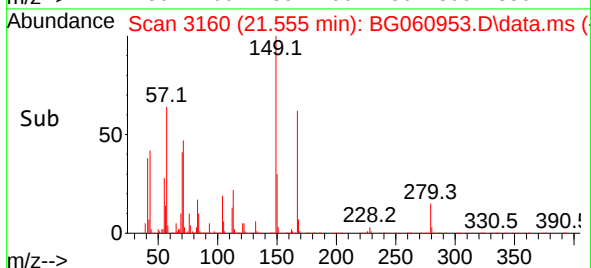
Supervised By :mohammad ahmed 04/22/2024

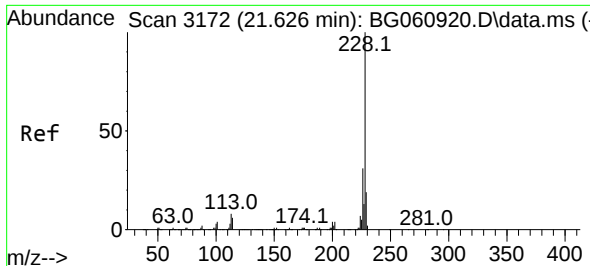


#81
 Benzo(a)anthracene
 Concen: 11.710 ng
 RT: 21.555 min Scan# 3160
 Delta R.T. -0.006 min
 Lab File: BG060953.D
 Acq: 19 Apr 2024 2:45



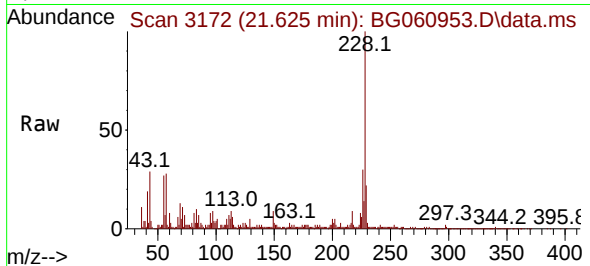
Tgt Ion:228 Resp: 145780
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.0 33.0
 229 22.0 15.6 23.4





#83
Chrysene
Concen: 33.279 ng
RT: 21.625 min Scan# 3172
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

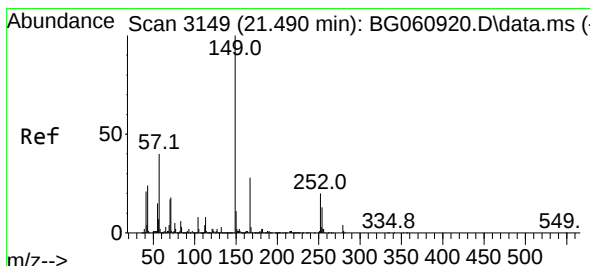
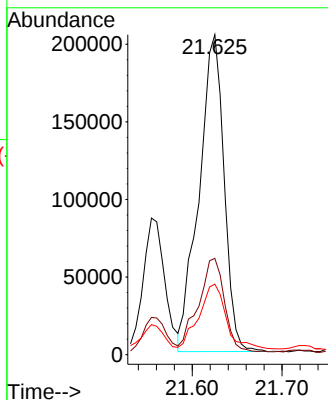
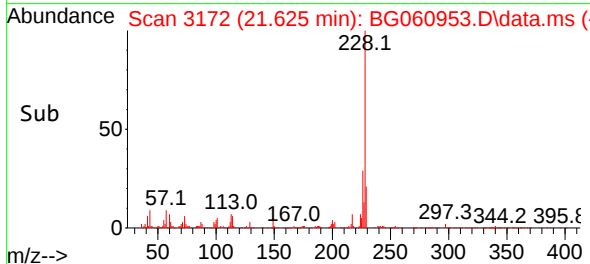
Instrument :
BNA_G
ClientSampleId :
72-11935



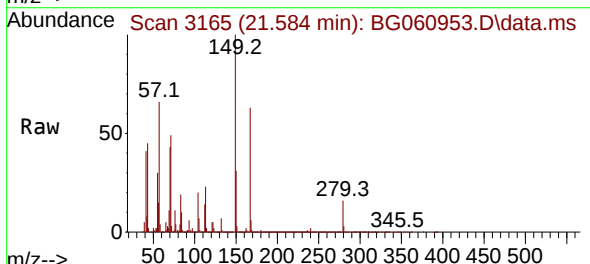
Tgt Ion:228 Resp: 395569
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 22.1 15.6 23.4

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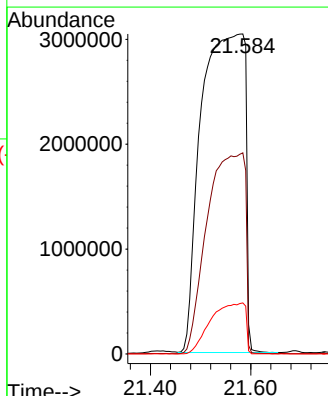
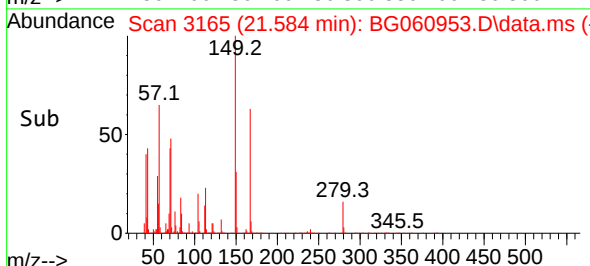
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024

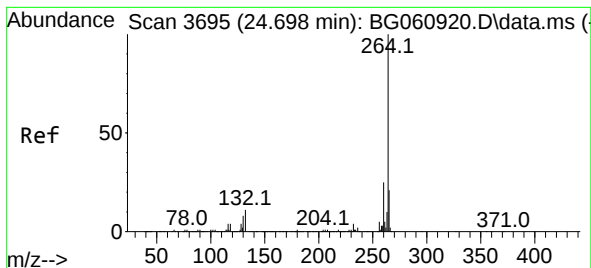


#84
Bis(2-ethylhexyl)phthalate
Concen: 2793.191 ng
RT: 21.584 min Scan# 3165
Delta R.T. 0.094 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45



Tgt Ion:149 Resp:18346710
Ion Ratio Lower Upper
149 100
167 62.8 22.4 33.6#
279 15.9 3.2 4.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.710 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

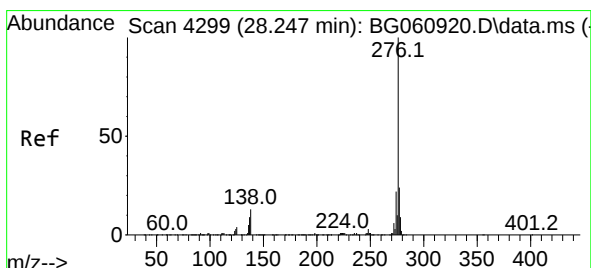
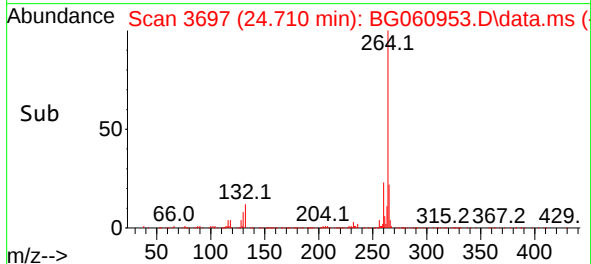
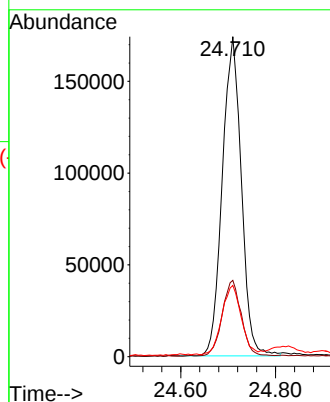
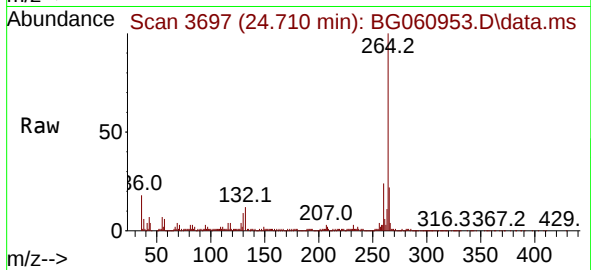
Tgt Ion:264 Resp: 484750
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.6 29.4
 265 22.3 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.625 ng

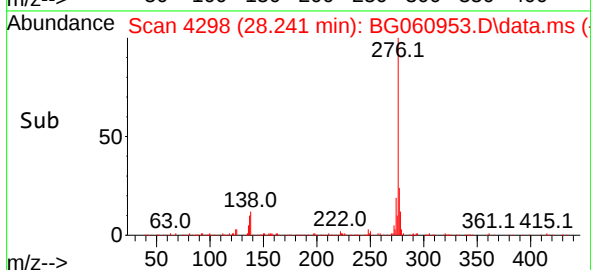
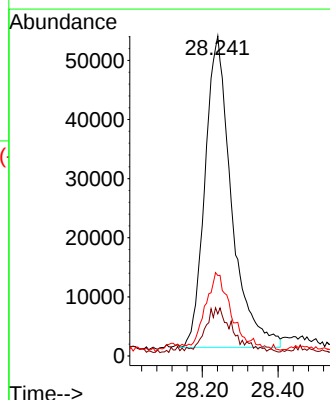
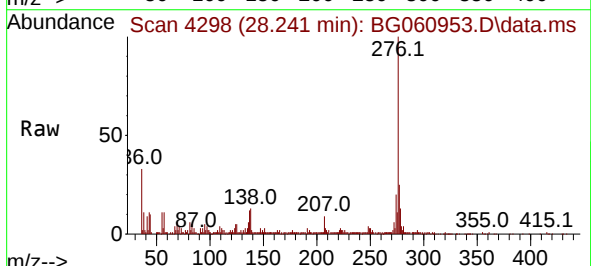
RT: 28.241 min Scan# 4298

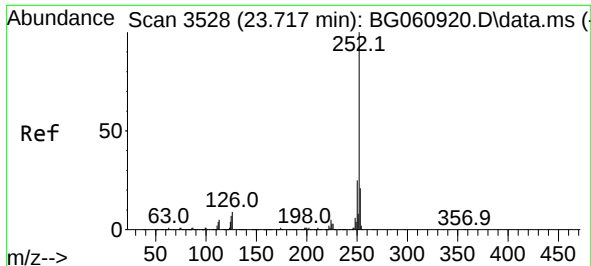
Delta R.T. -0.006 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

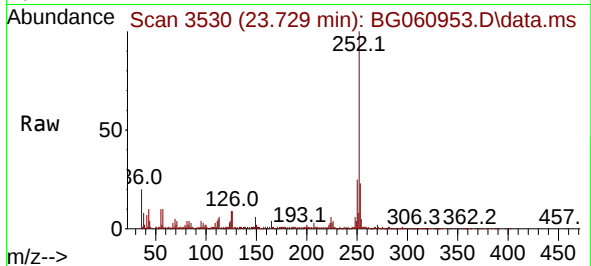
Tgt Ion:276 Resp: 255612
 Ion Ratio Lower Upper
 276 100
 138 12.5 10.8 16.2
 277 20.2 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 20.097 ng
RT: 23.729 min Scan# 3530
Delta R.T. 0.011 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

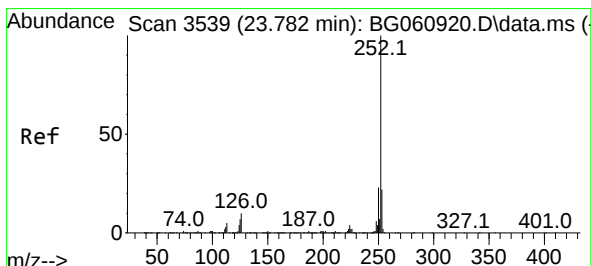
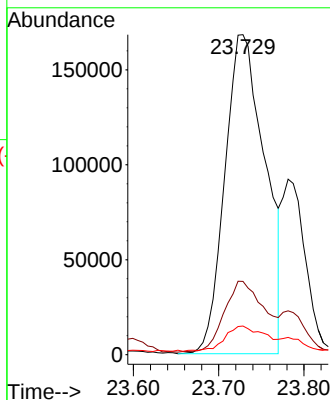
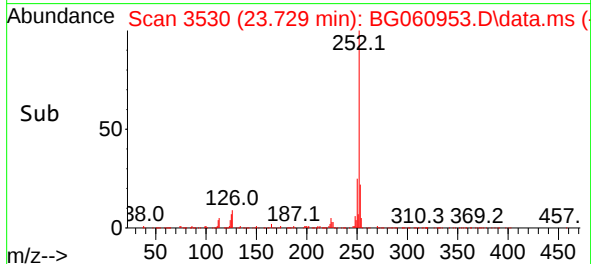
Instrument :
BNA_G
ClientSampleId :
72-11935



Tgt Ion:252 Resp: 551210
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 9.0 5.6 8.4

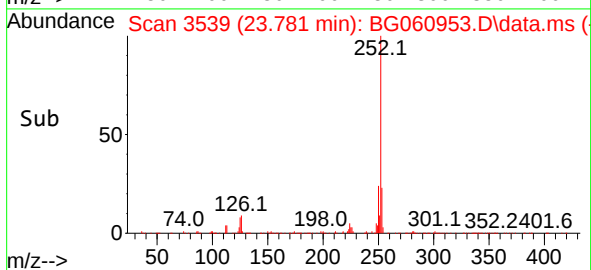
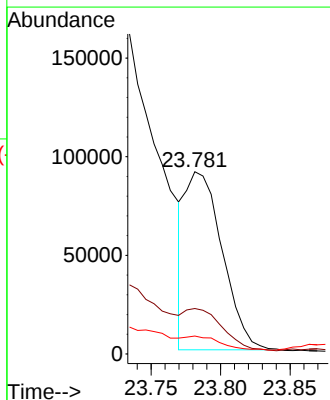
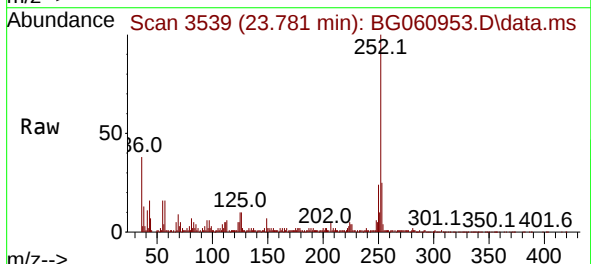
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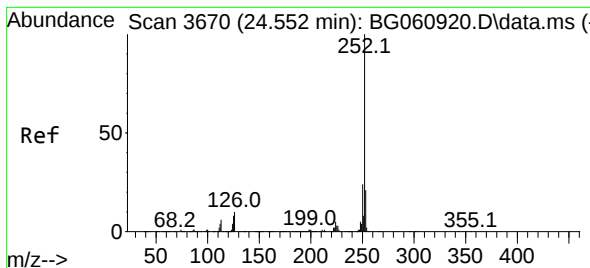
Reviewed By :Yogesh Patel 04/22/2024
Supervised By :mohammad ahmed 04/22/2024



#89
Benzo(k)fluoranthene
Concen: 5.959 ng m
RT: 23.781 min Scan# 3539
Delta R.T. -0.000 min
Lab File: BG060953.D
Acq: 19 Apr 2024 2:45

Tgt Ion:252 Resp: 167210
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 9.8 5.8 8.8





#90

Benzo(a)pyrene

Concen: 13.773 ng

RT: 24.557 min Scan# 30

Delta R.T. 0.005 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

Instrument :

BNA_G

ClientSampleId :

72-11935

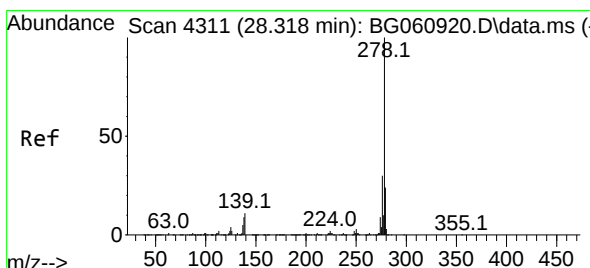
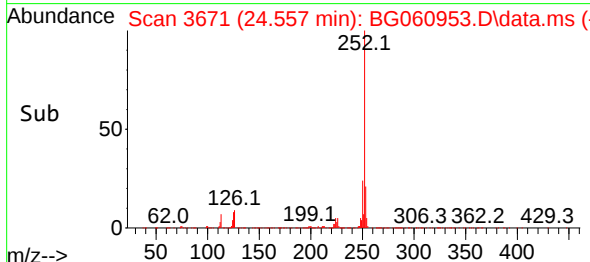
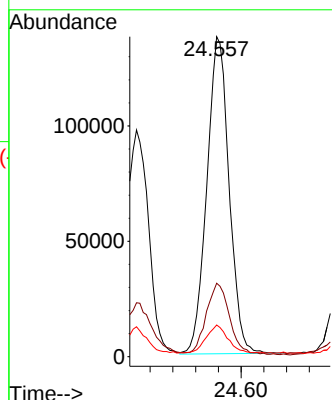
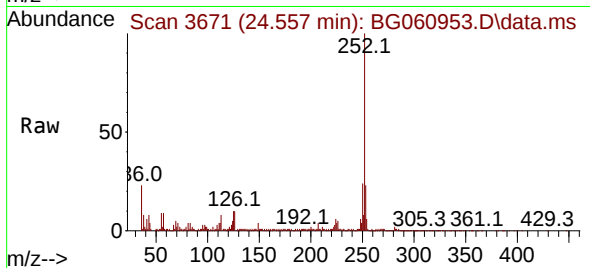
Tgt Ion:252 Resp: 37243
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.1 25.7
 125 9.9 6.1 9.1

Manual Integrations

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Reviewed By :Yogesh Patel 04/22/2024

Supervised By :mohammad ahmed 04/22/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.086 ng m

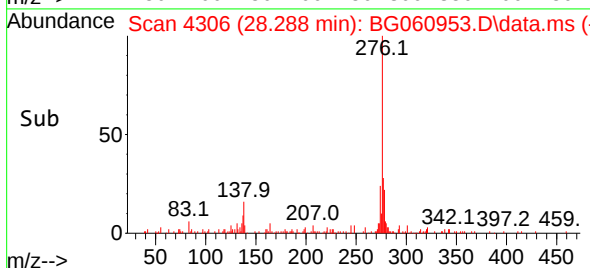
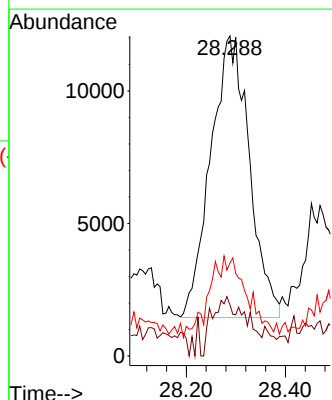
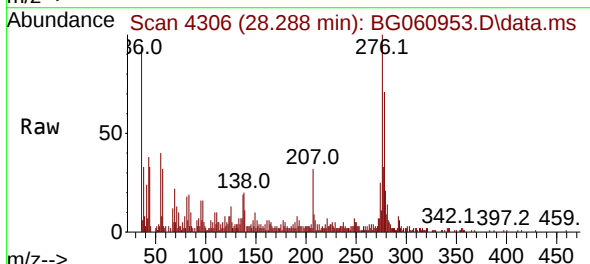
RT: 28.288 min Scan# 4306

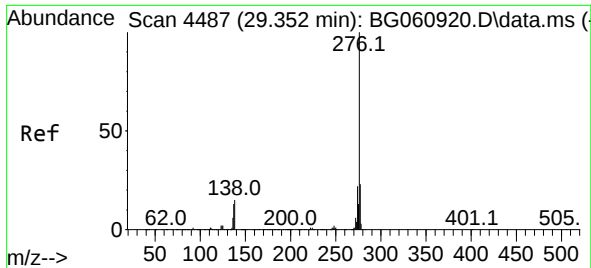
Delta R.T. -0.030 min

Lab File: BG060953.D

Acq: 19 Apr 2024 2:45

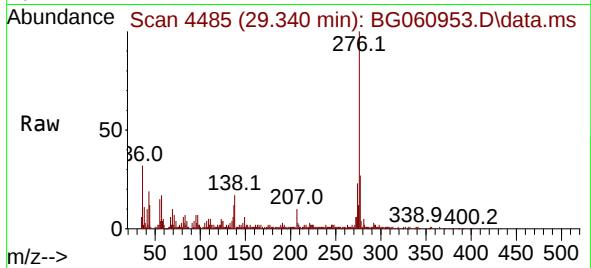
Tgt Ion:278 Resp: 57572
 Ion Ratio Lower Upper
 278 100
 139 16.0 8.6 12.8#
 279 29.1 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 9.273 ng m
 RT: 29.340 min Scan# 44
 Delta R.T. -0.012 min
 Lab File: BG060953.D
 Acq: 19 Apr 2024 2:45

Instrument :
 BNA_G
 ClientSampleId :
 72-11935



Tgt Ion:276 Resp: 25015
 Ion Ratio Lower Upper
 276 100
 277 26.6 18.3 27.5
 138 17.3 12.2 18.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/22/2024
 Supervised By :mohammad ahmed 04/22/2024

