

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
 Data File : BG056290.D
 Acq On : 13 Jan 2023 23:26
 Operator : CG/JU
 Sample : 01057-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE

Quant Time: Jan 16 00:26:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 03:38:40 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/16/2023
 Supervised By : Jagrut Upadhyay 01/16/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.323	152	55932	20.000	ng	0.00
21) Naphthalene-d8	11.149	136	217377	20.000	ng	# 0.00
39) Acenaphthene-d10	14.927	164	162577	20.000	ng	0.00
64) Phenanthrene-d10	17.665	188	376736	20.000	ng	0.00
76) Chrysene-d12	21.965	240	350853	20.000	ng	# 0.00
86) Perylene-d12	25.408	264	384482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.837	112	257157	82.091	ng	0.01
7) Phenol-d6	7.453	99	380206	79.033	ng	0.00
23) Nitrobenzene-d5	9.492	82	204476	48.116	ng	0.00
42) 2,4,6-Tribromophenol	16.407	330	154343	74.960	ng	0.00
45) 2-Fluorobiphenyl	13.558	172	614755	52.216	ng	0.00
79) Terphenyl-d14	20.238	244	955538	48.779	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.967	166	28324	2.188	ng	98
71) Phenanthrene	17.712	178	367221	18.809	ng	96
72) Anthracene	17.800	178	96359	4.784	ng	99
75) Fluoranthene	19.698	202	979841	38.475	ng	99
78) Pyrene	20.062	202	855773	34.605	ng	100
81) Benzo(a)anthracene	21.942	228	511218	20.745	ng	99
83) Chrysene	22.012	228	428530	18.565	ng	97
87) Indeno(1,2,3-cd)pyrene	29.369	276	261449	9.350	ng	# 95
88) Benzo(b)fluoranthene	24.310	252	576170	23.586	ng	100
89) Benzo(k)fluoranthene	24.374	252	226266m	9.301	ng	
90) Benzo(a)pyrene	25.250	252	447861	18.797	ng	99
91) Dibenzo(a,h)anthracene	29.421	278	72115	3.076	ng	# 99
92) Benzo(g,h,i)perylene	30.626	276	242679	10.675	ng	99

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

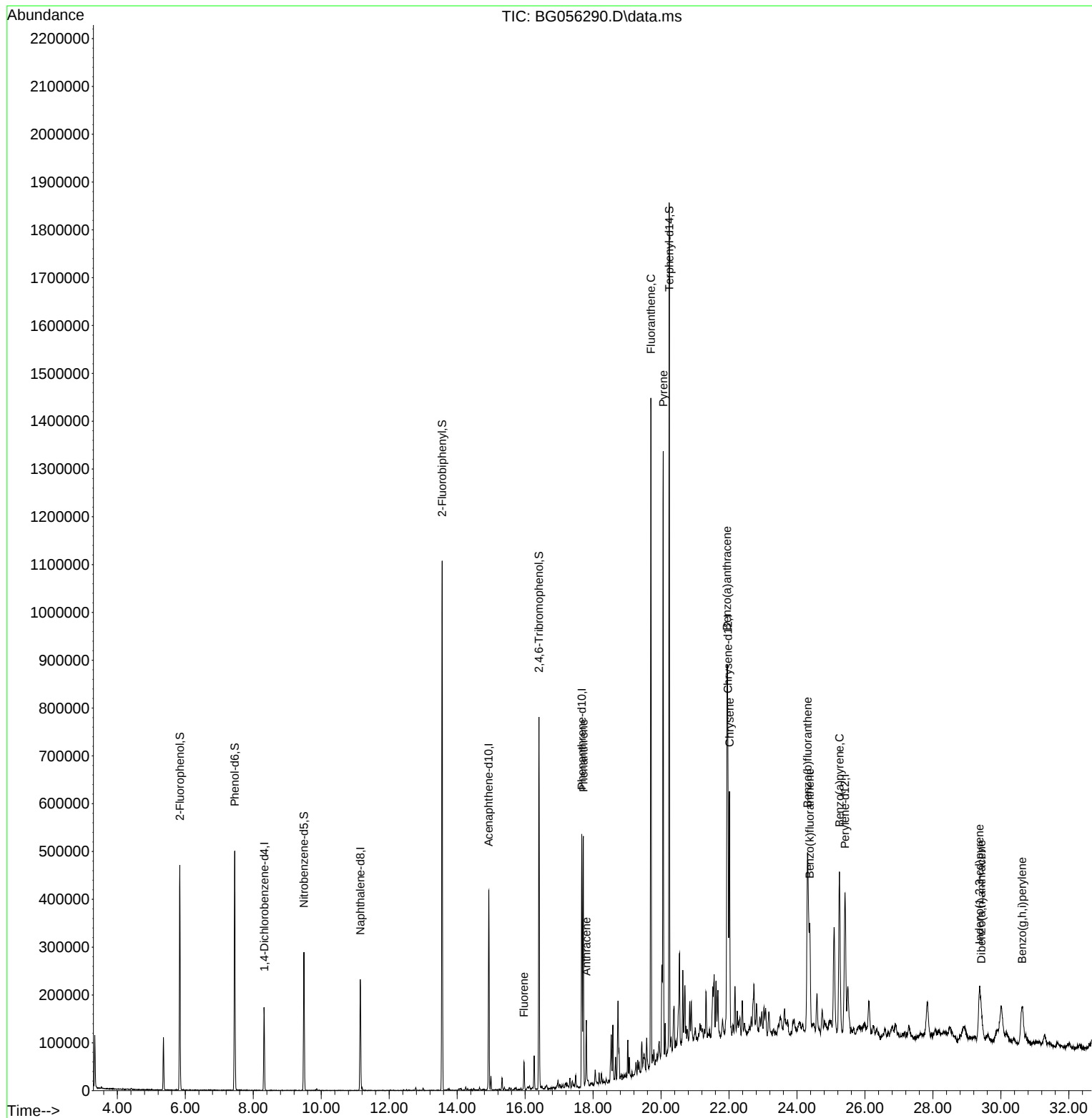
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011323\
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ALS Vial : 17 Sample Multiplier: 1

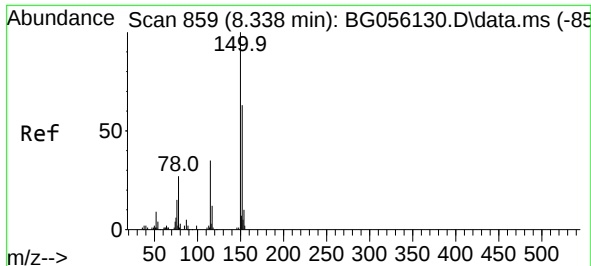
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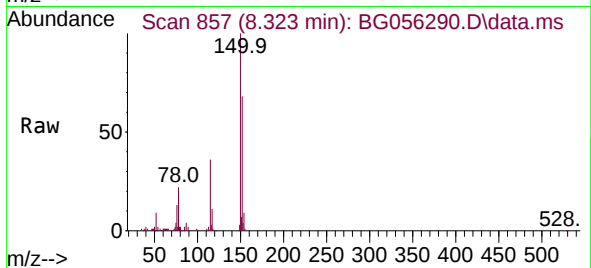
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.323 min Scan# 859
Delta R.T. 0.006 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

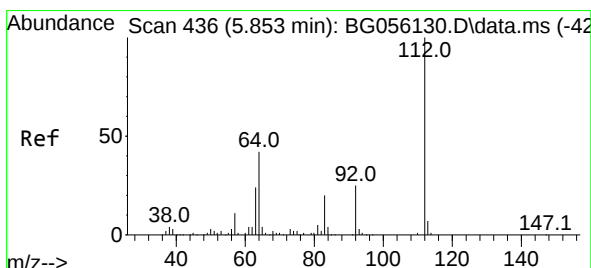
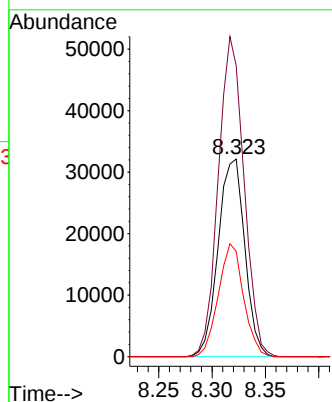
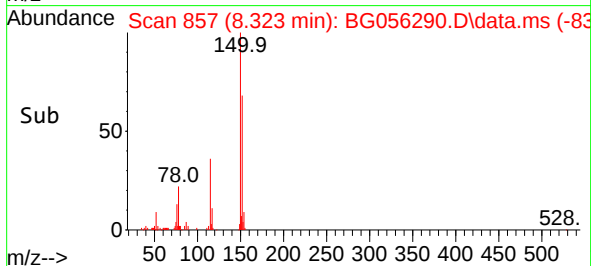


Tgt Ion:152 Resp: 55932
Ion Ratio Lower Upper
152 100
150 147.2 127.9 191.9
115 53.2 44.2 66.2

Manual Integrations

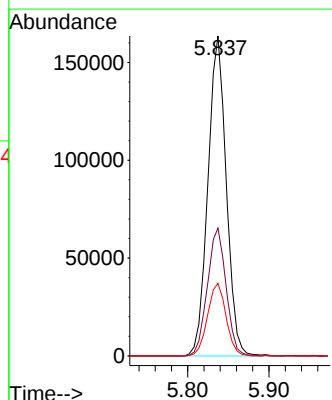
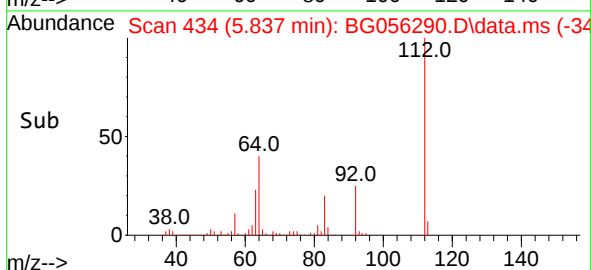
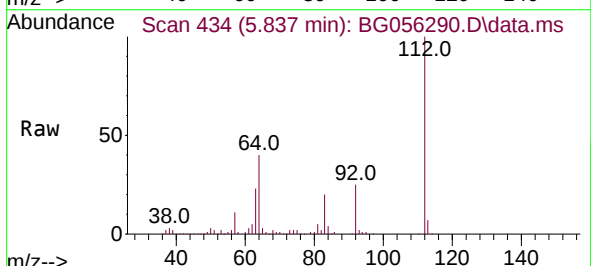
APPROVED

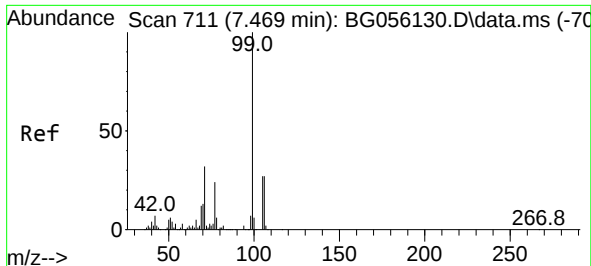
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#5
2-Fluorophenol
Concen: 82.091 ng
RT: 5.837 min Scan# 434
Delta R.T. 0.012 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

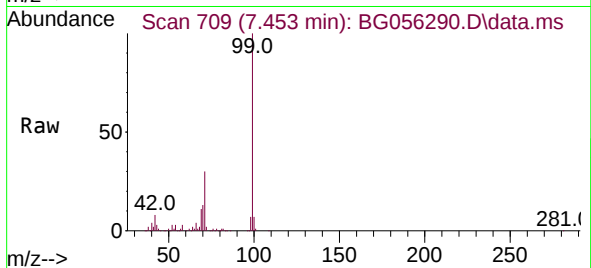
Tgt Ion:112 Resp: 257157
Ion Ratio Lower Upper
112 100
64 39.9 33.3 49.9
63 22.7 19.0 28.4





#7
Phenol-d6
Concen: 79.033 ng
RT: 7.453 min Scan# 709
Delta R.T. 0.006 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

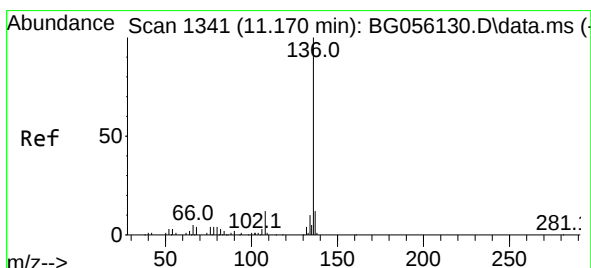
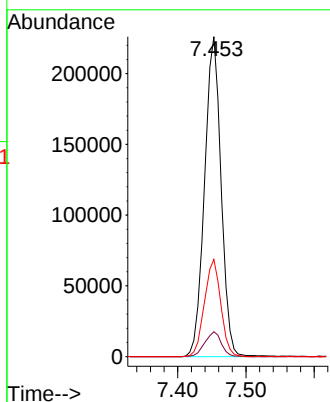
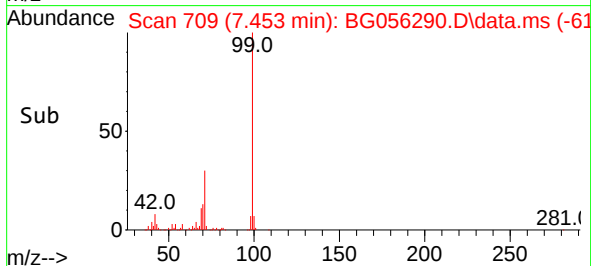
Instrument :
BNA_G
ClientSampleId :
COMPOSITE



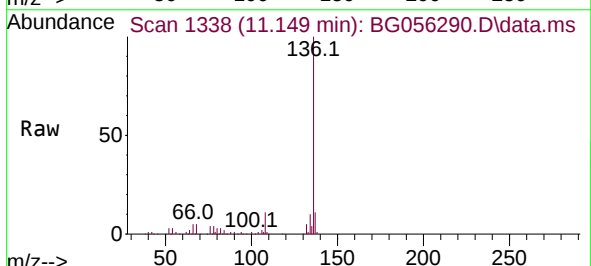
Tgt Ion: 99 Resp: 380206
Ion Ratio Lower Upper
99 100
42 7.8 5.9 8.9
71 30.4 25.4 38.2

Manual Integrations
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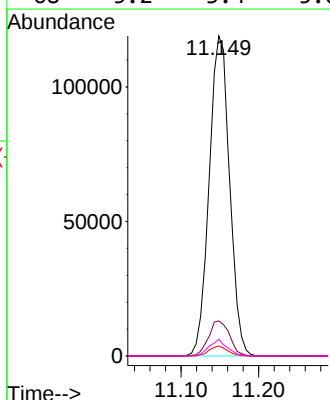
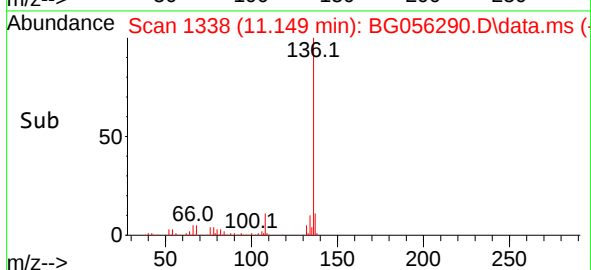
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

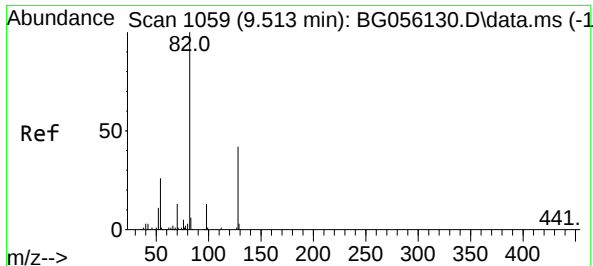


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.149 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26



Tgt Ion:136 Resp: 217377
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 3.1 2.2 3.2
68 5.2 3.4 5.0#





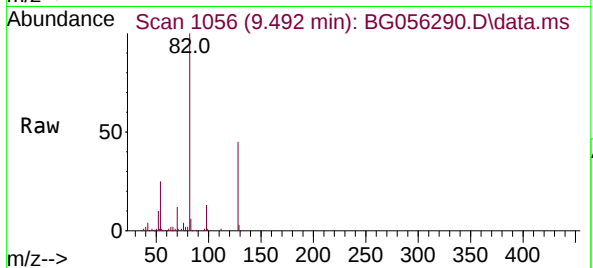
#23
Nitrobenzene-d5
Concen: 48.116 ng
RT: 9.492 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

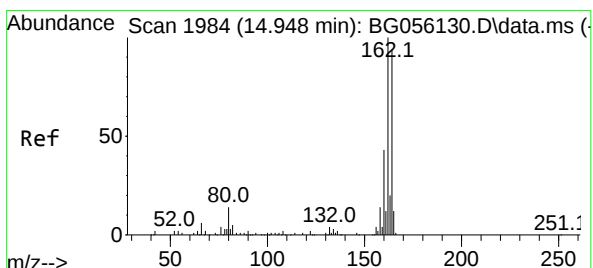
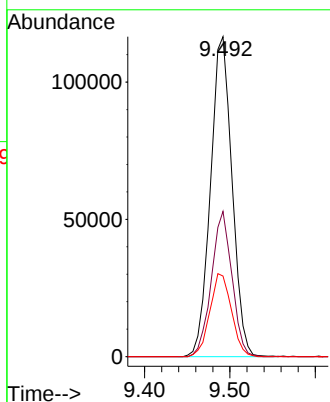
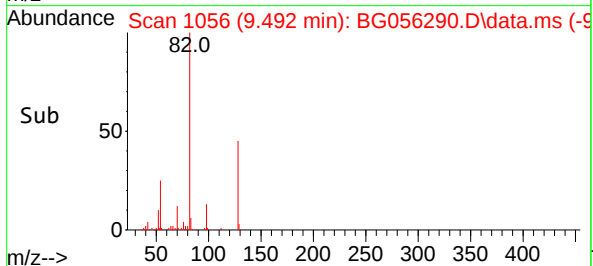


Tgt Ion: 82 Resp: 204476
Ion Ratio Lower Upper
82 100
128 45.4 33.4 50.2
54 25.2 20.3 30.5

Manual Integrations

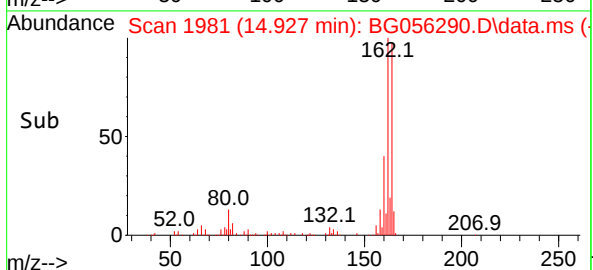
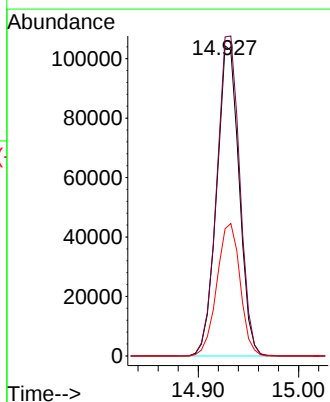
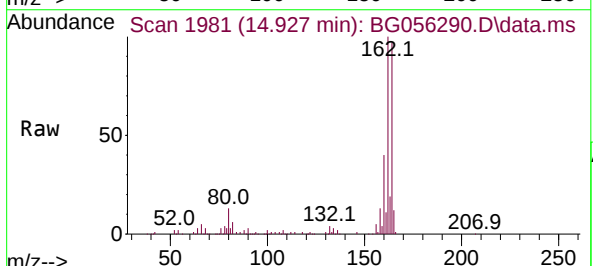
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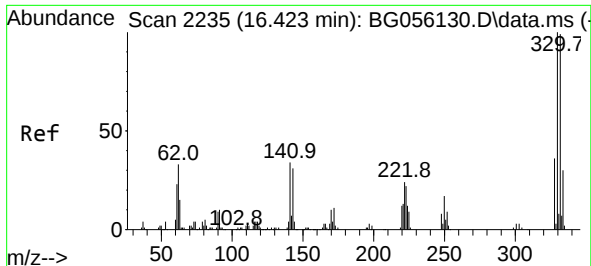
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.927 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:164 Resp: 162577
Ion Ratio Lower Upper
164 100
162 102.9 84.7 127.1
160 41.0 36.3 54.5





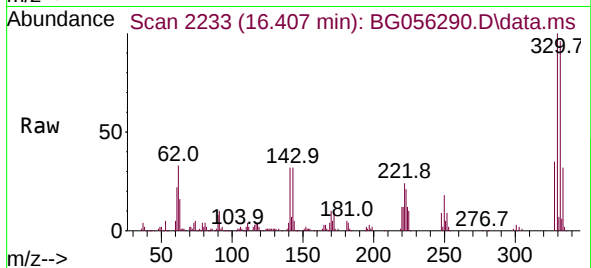
#42
2,4,6-Tribromophenol
Concen: 74.960 ng
RT: 16.407 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

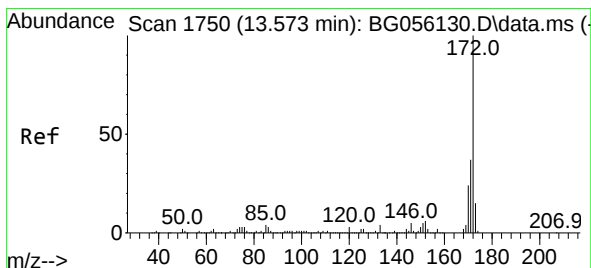
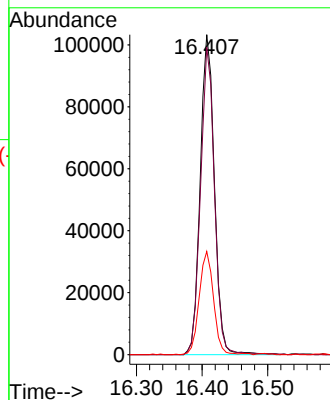
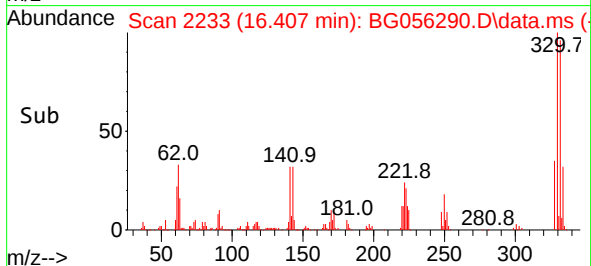


Tgt Ion:330 Resp: 154343
Ion Ratio Lower Upper
330 100
332 94.1 77.3 115.9
141 32.5 27.9 41.9

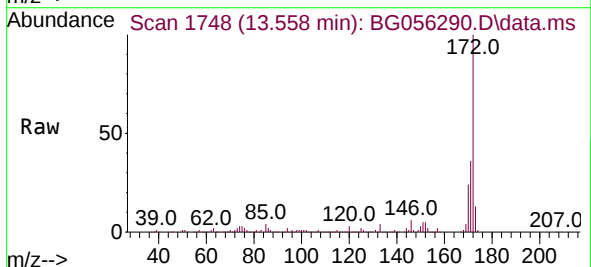
Manual Integrations

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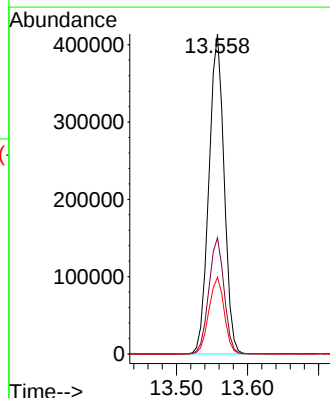
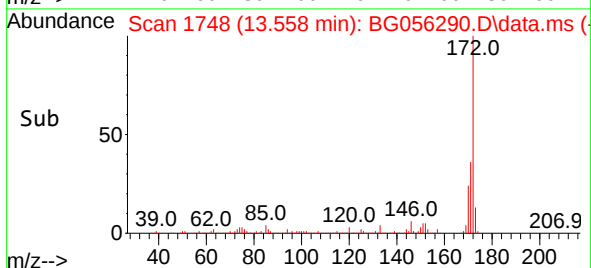
Reviewed By :Christian Giraldo 01/16/2023
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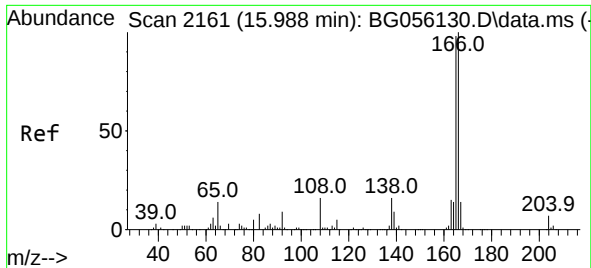


#45
2-Fluorobiphenyl
Concen: 52.216 ng
RT: 13.558 min Scan# 1748
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26



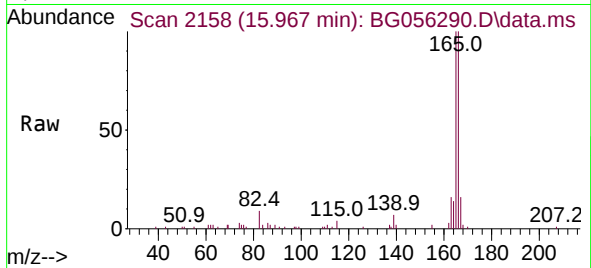
Tgt Ion:172 Resp: 614755
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 23.9 19.4 29.2





#58
Fluorene
Concen: 2.188 ng
RT: 15.967 min Scan# 2161
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

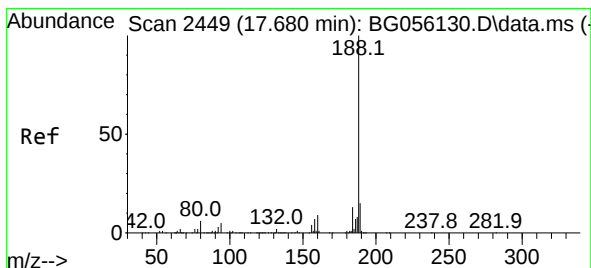
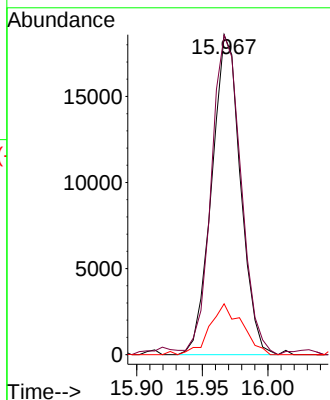
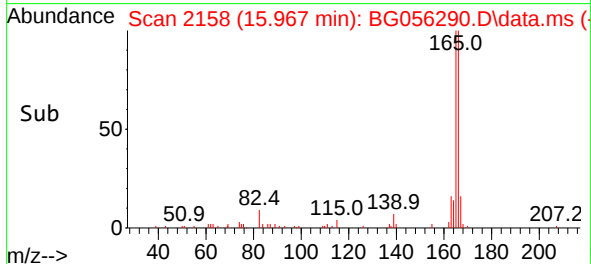
Instrument :
BNA_G
ClientSampleId :
COMPOSITE



Tgt Ion:166 Resp: 28324
Ion Ratio Lower Upper
166 100
165 99.8 78.6 118.0
167 15.9 11.1 16.7

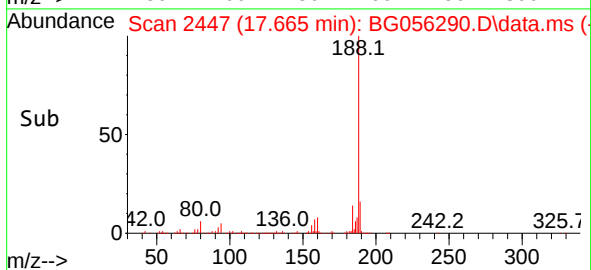
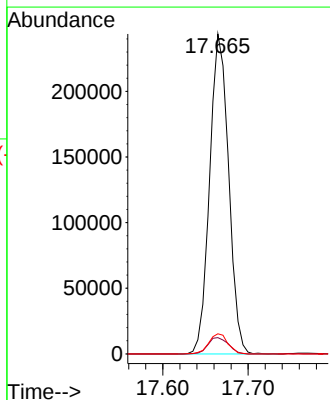
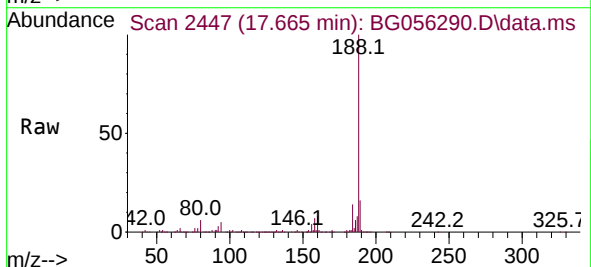
Manual Integrations
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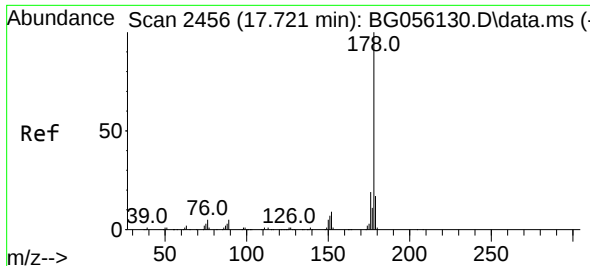
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.665 min Scan# 2447
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:188 Resp: 376736
Ion Ratio Lower Upper
188 100
94 5.1 4.2 6.2
80 6.3 5.0 7.4





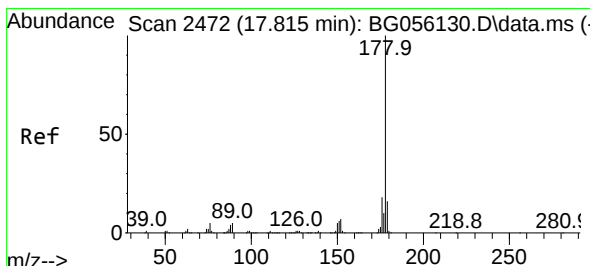
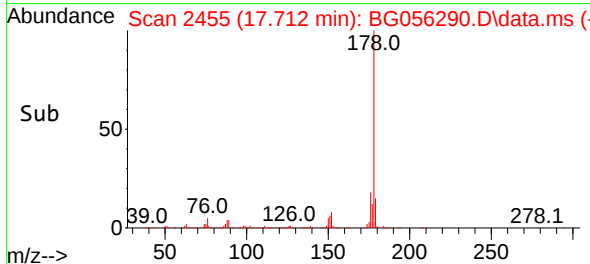
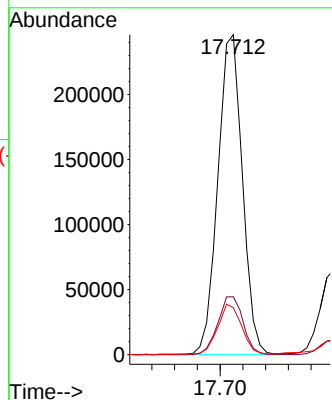
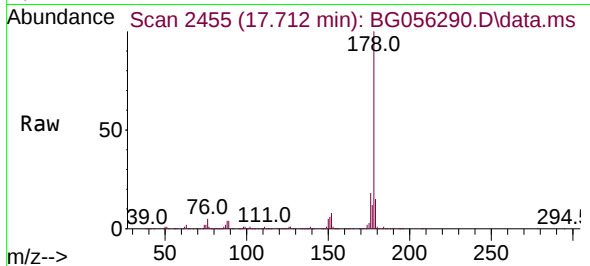
#71
Phenanthrene
Concen: 18.809 ng
RT: 17.712 min Scan# 2456
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Instrument :
BNA_G
ClientSampleId :
COMPOSITE

Tgt Ion:178 Resp: 36722
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 14.6 13.6 20.4

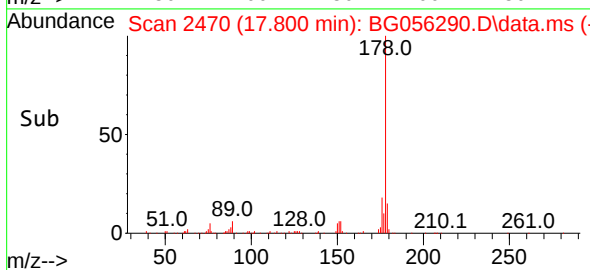
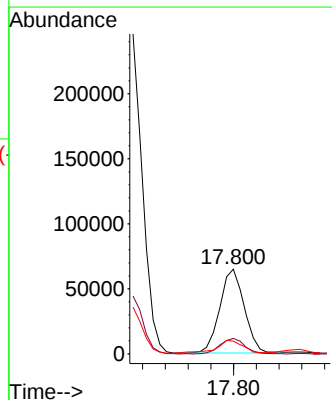
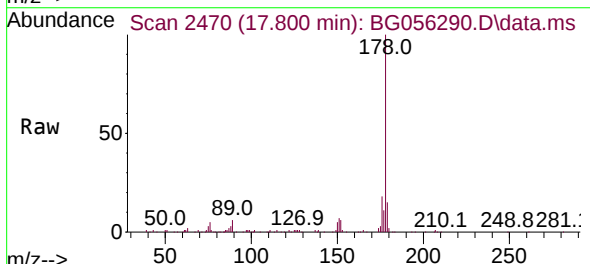
Manual Integrations
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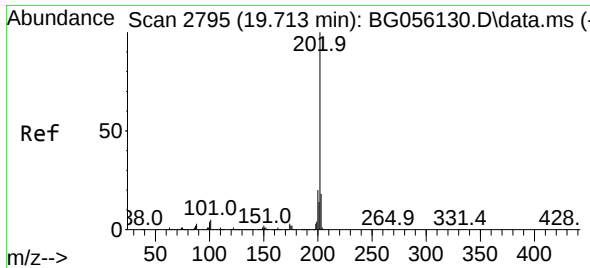
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#72
Anthracene
Concen: 4.784 ng
RT: 17.800 min Scan# 2470
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Tgt Ion:178 Resp: 96359
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.0 12.7 19.1





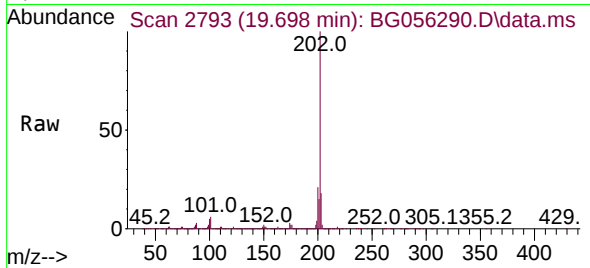
#75
Fluoranthene
Concen: 38.475 ng
RT: 19.698 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

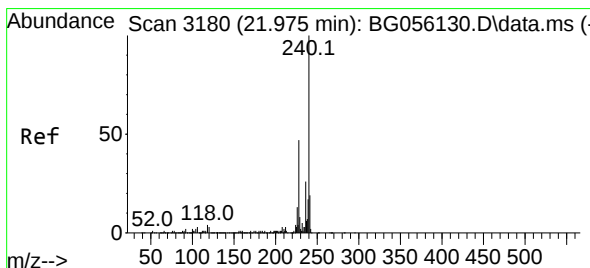
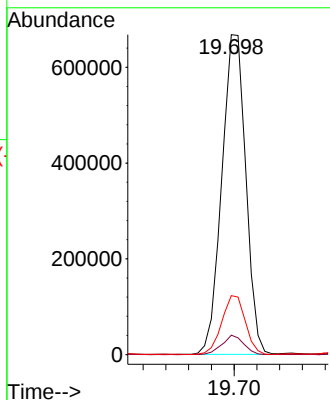
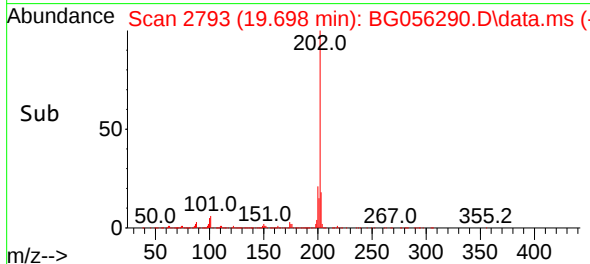


Tgt Ion:202 Resp: 97984
Ion Ratio Lower Upper
202 100
101 6.1 0.0 25.0
203 18.4 0.0 38.0

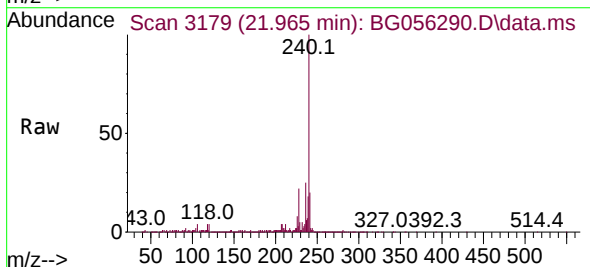
Manual Integrations

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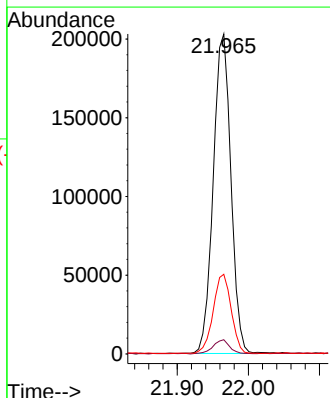
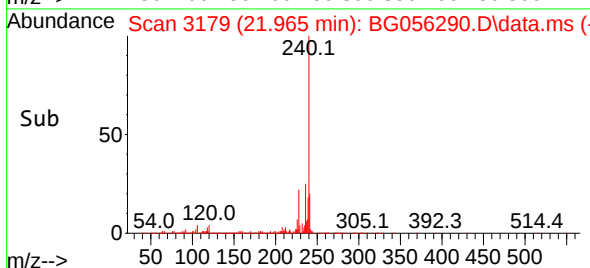
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

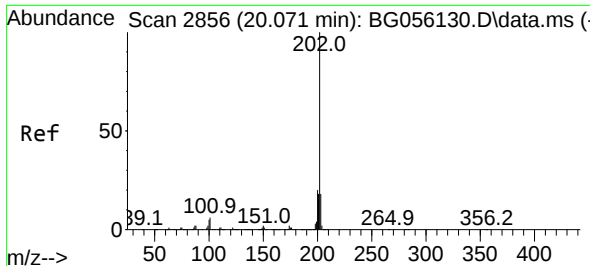


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.965 min Scan# 3179
Delta R.T. 0.006 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26



Tgt Ion:240 Resp: 350853
Ion Ratio Lower Upper
240 100
120 4.4 2.6 4.0#
236 24.9 20.8 31.2





#78
Pyrene
Concen: 34.605 ng
RT: 20.062 min Scan# 2855
Delta R.T. 0.006 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

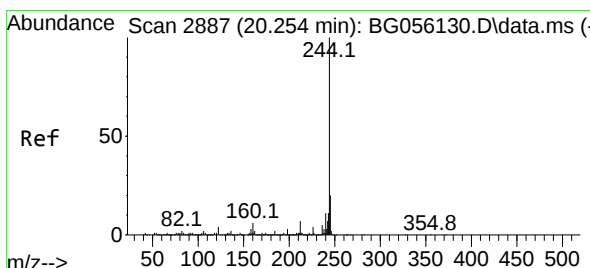
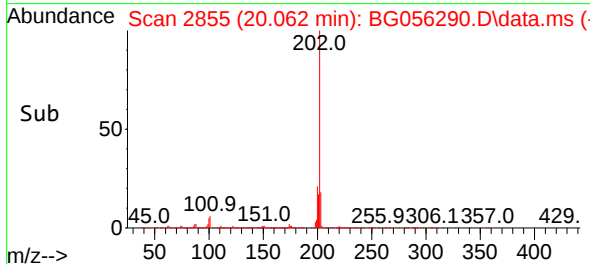
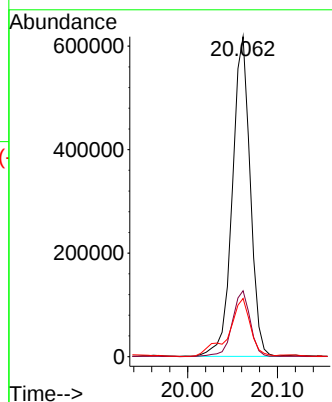
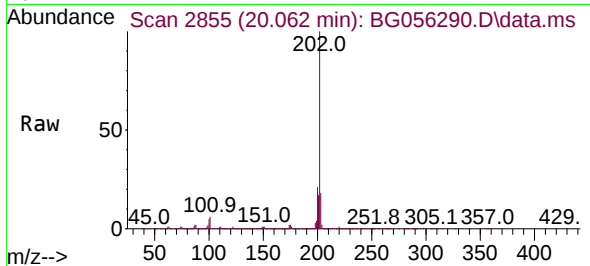
COMPOSITE

Tgt Ion:202 Resp: 855773
Ion Ratio Lower Upper
202 100
200 20.6 16.4 24.6
203 18.2 14.3 21.5

Manual Integrations

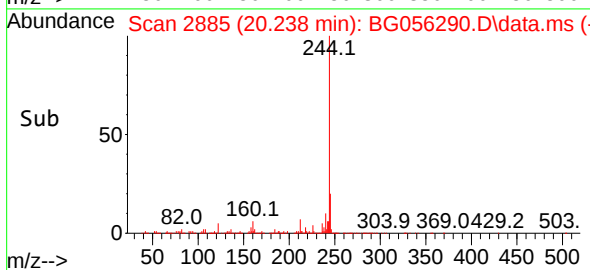
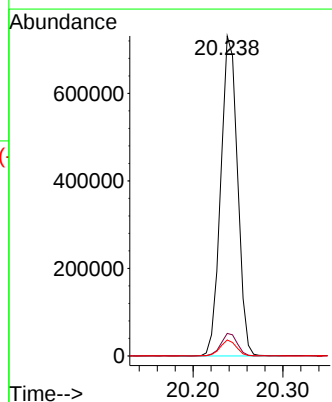
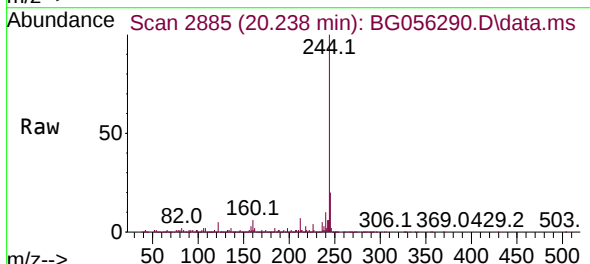
APPROVED

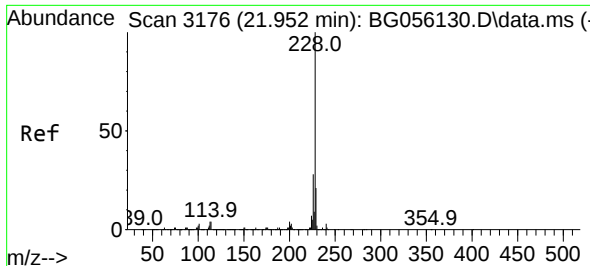
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#79
Terphenyl-d14
Concen: 48.779 ng
RT: 20.238 min Scan# 2885
Delta R.T. -0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

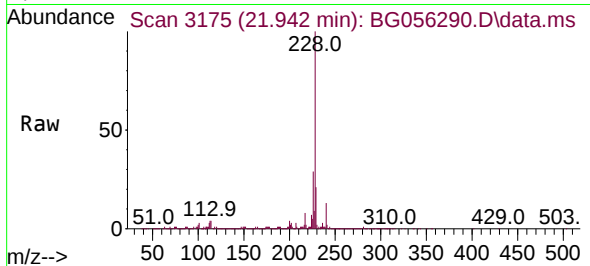
Tgt Ion:244 Resp: 955538
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 5.0 3.5 5.3





#81
Benzo(a)anthracene
Concen: 20.745 ng
RT: 21.942 min Scan# 3175
Delta R.T. -0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

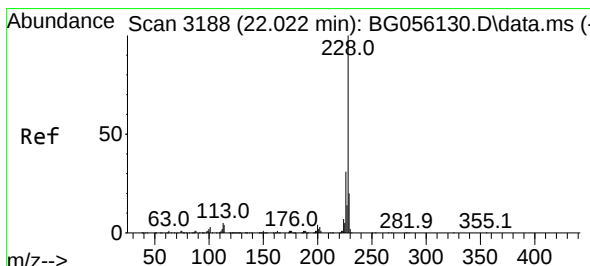
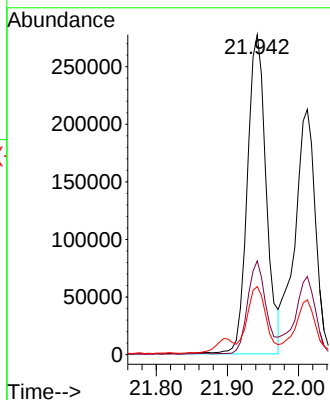
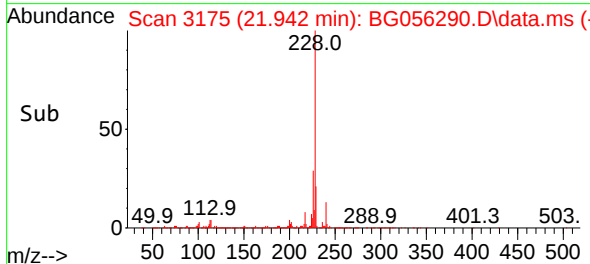
Instrument :
BNA_G
ClientSampleId :
COMPOSITE



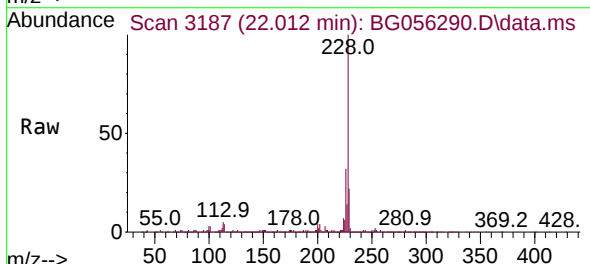
Tgt Ion:228 Resp: 511218
Ion Ratio Lower Upper
228 100
226 29.3 22.6 34.0
229 21.3 16.9 25.3

Manual Integrations
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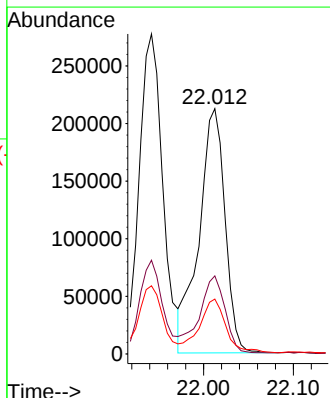
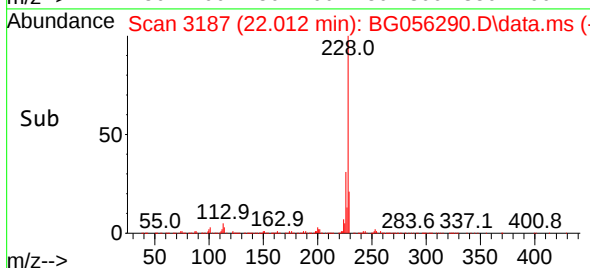
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

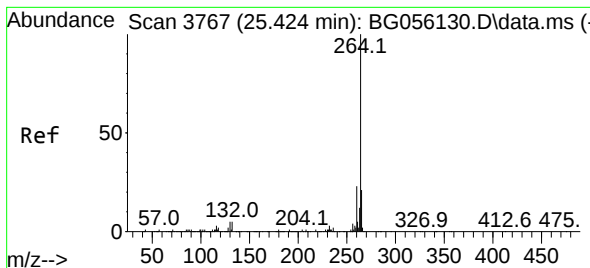


#83
Chrysene
Concen: 18.565 ng
RT: 22.012 min Scan# 3187
Delta R.T. 0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26



Tgt Ion:228 Resp: 428530
Ion Ratio Lower Upper
228 100
226 31.8 24.6 36.8
229 22.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.408 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Instrument :

BNA_G

ClientSampleId :

COMPOSITE

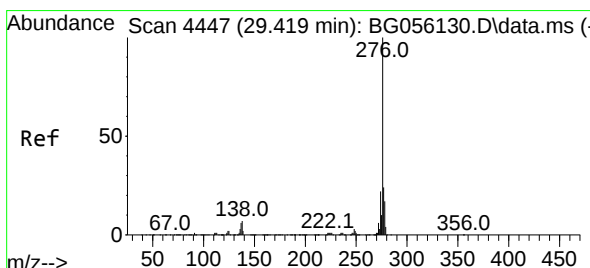
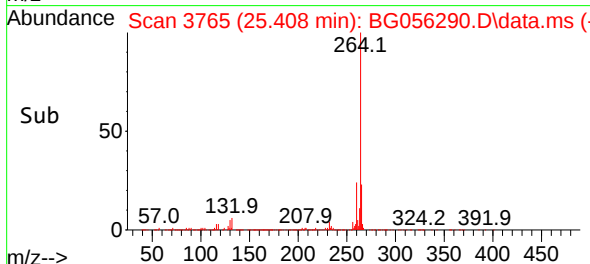
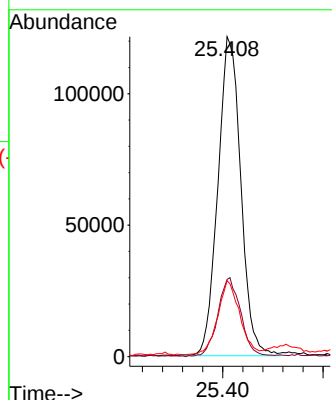
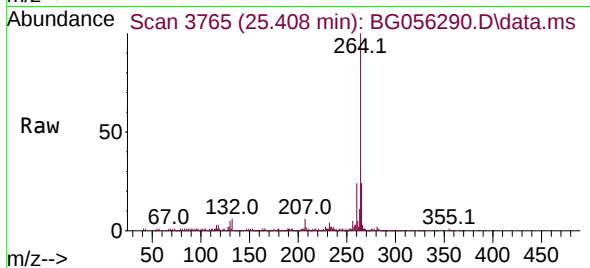
Tgt Ion:264 Resp: 384482

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	23.7	16.7	25.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.350 ng

RT: 29.369 min Scan# 4439

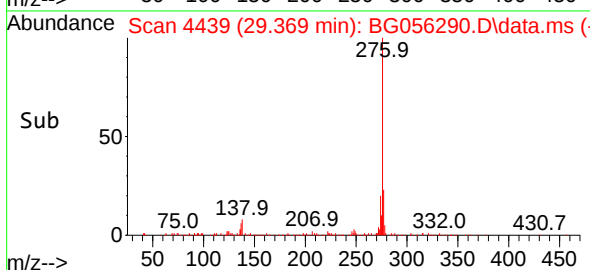
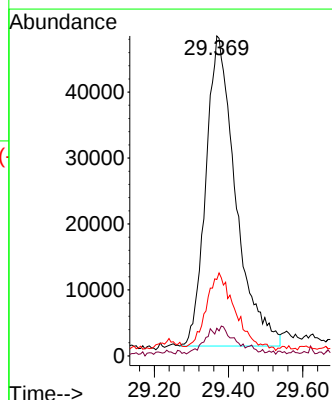
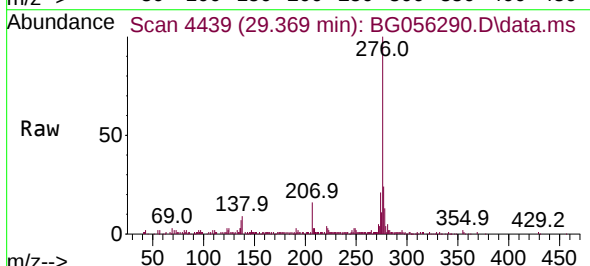
Delta R.T. 0.006 min

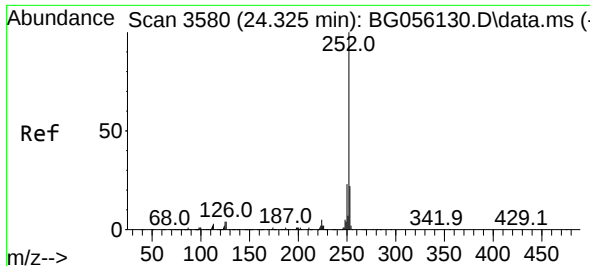
Lab File: BG056290.D

Acq: 13 Jan 2023 23:26

Tgt Ion:276 Resp: 261449

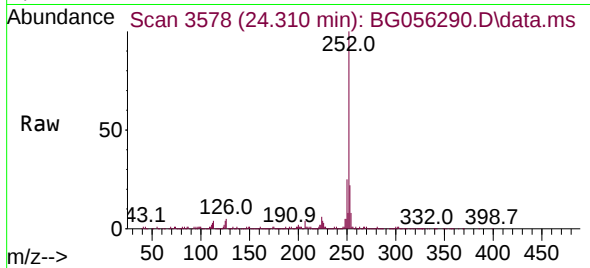
Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.0	7.4#
277	24.9	20.5	30.7





#88
Benzo(b)fluoranthene
Concen: 23.586 ng
RT: 24.310 min Scan# 3578
Delta R.T. 0.012 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

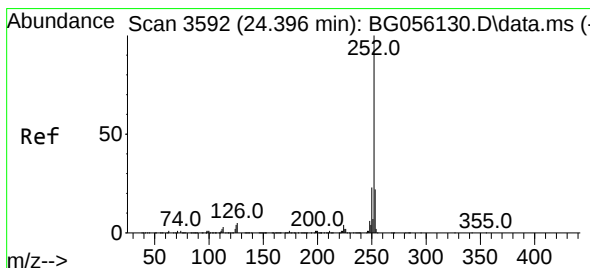
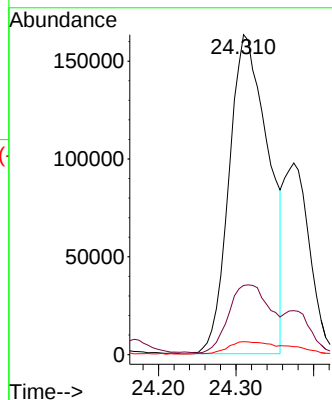
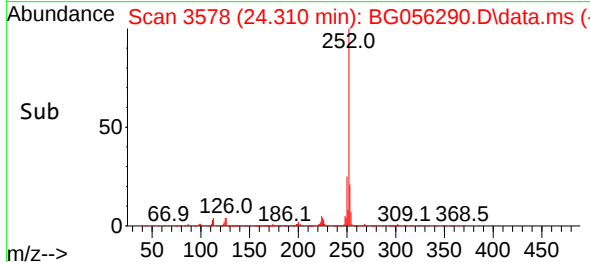
Instrument :
BNA_G
ClientSampleId :
COMPOSITE



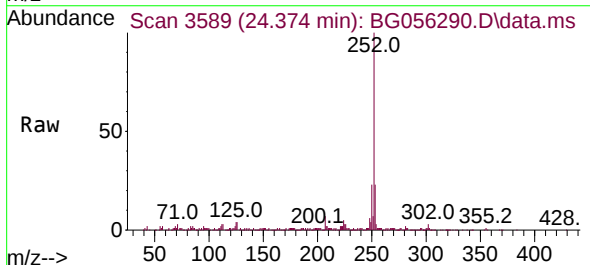
Tgt Ion:252 Resp: 576170
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.2
125 4.0 3.0 4.4

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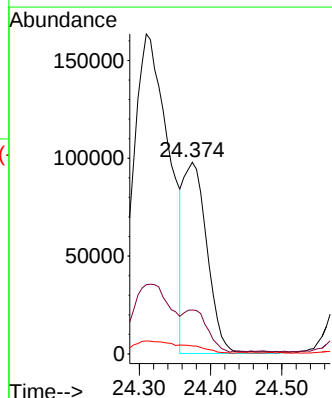
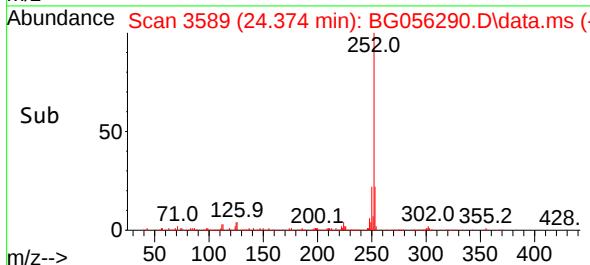
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023

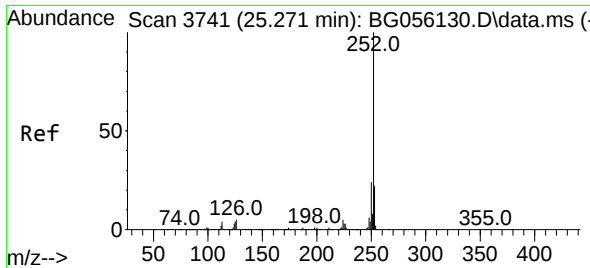


#89
Benzo(k)fluoranthene
Concen: 9.301 ng m
RT: 24.374 min Scan# 3589
Delta R.T. -0.000 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26



Tgt Ion:252 Resp: 226266
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 4.2 3.4 5.0





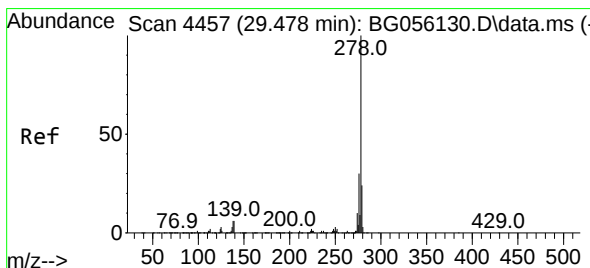
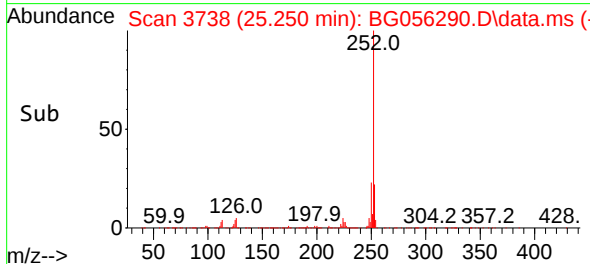
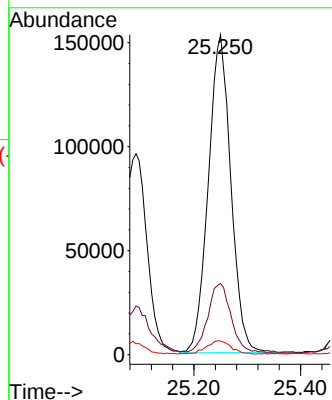
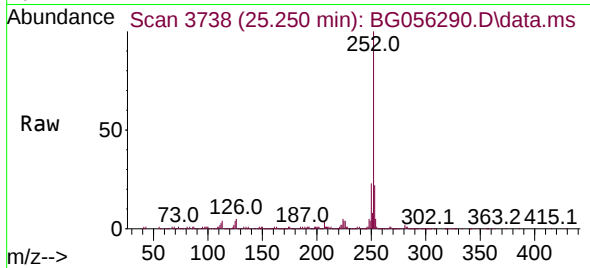
#90
Benzo(a)pyrene
Concen: 18.797 ng
RT: 25.250 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

Instrument :
BNA_G
ClientSampleId :
COMPOSITE

Tgt Ion:252 Resp: 447863
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.2
125 4.2 3.2 4.8

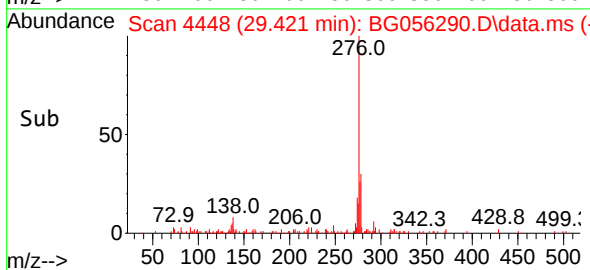
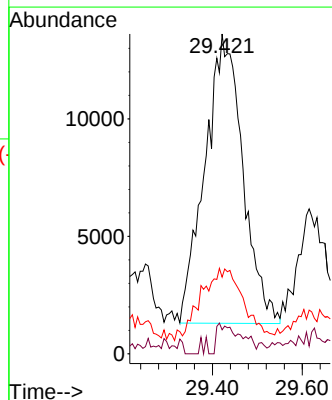
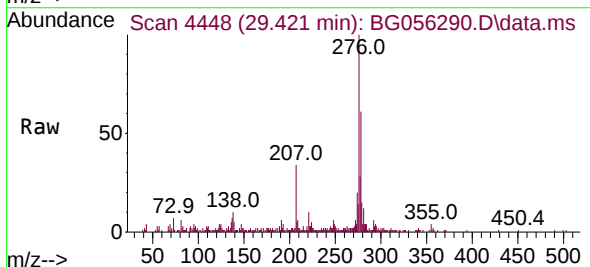
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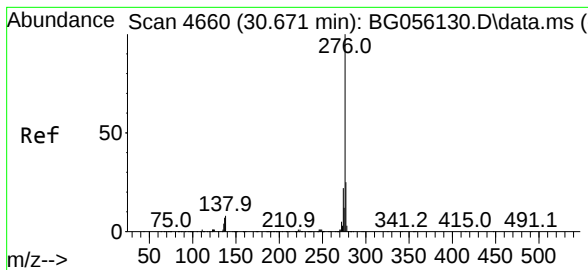
Reviewed By :Christian Giraldo 01/16/2023
Supervised By :Jagrut Upadhyay 01/16/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.076 ng
RT: 29.421 min Scan# 4448
Delta R.T. -0.012 min
Lab File: BG056290.D
Acq: 13 Jan 2023 23:26

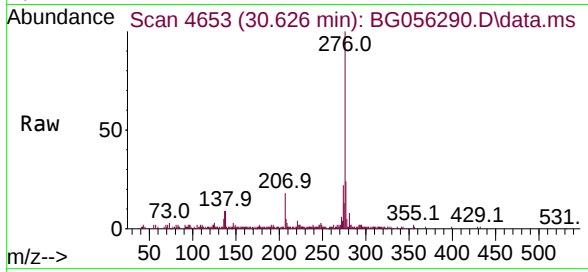
Tgt Ion:278 Resp: 72115
Ion Ratio Lower Upper
278 100
139 7.5 4.8 7.2#
279 24.0 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 10.675 ng
 RT: 30.626 min Scan# 4653
 Delta R.T. 0.012 min
 Lab File: BG056290.D
 Acq: 13 Jan 2023 23:26

Instrument :
 BNA_G
 ClientSampleId :
 COMPOSITE



Tgt Ion: 276 Resp: 242679

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.7	29.5
138	9.1	6.7	10.1

Manual Integrations
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Reviewed By : Christian Giraldo 01/16/2023
 Supervised By : Jagrut Upadhyay 01/16/2023

