

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
 Data File : BG056372.D
 Acq On : 20 Jan 2023 18:05
 Operator : CG/JU
 Sample : 01232-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-P-19A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/23/2023
 Supervised By : Jagrut Upadhyay 01/23/2023

Quant Time: Jan 23 00:01:20 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 19 00:31:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.302	152	36892	20.000	ng	0.00
21) Naphthalene-d8	11.134	136	139086	20.000	ng	# 0.00
39) Acenaphthene-d10	14.912	164	114800	20.000	ng	0.00
64) Phenanthrene-d10	17.650	188	281635	20.000	ng	0.00
76) Chrysene-d12	21.945	240	266133	20.000	ng	# 0.00
86) Perylene-d12	25.382	264	294871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.823	112	237729	115.056	ng	0.00
7) Phenol-d6	7.444	99	331824	104.574	ng	0.00
23) Nitrobenzene-d5	9.477	82	173640	63.859	ng	0.00
42) 2,4,6-Tribromophenol	16.398	330	164238	112.962	ng	0.00
45) 2-Fluorobiphenyl	13.543	172	574610	69.118	ng	0.00
79) Terphenyl-d14	20.229	244	1042959	70.190	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.977	154	14207	2.068	ng	94
58) Fluorene	15.952	166	19733	2.159	ng	95
71) Phenanthrene	17.691	178	389306	26.674	ng	97
72) Anthracene	17.785	178	83597	5.552	ng	100
75) Fluoranthene	19.689	202	397983	20.904	ng	99
78) Pyrene	20.047	202	614463	32.757	ng	98
81) Benzo(a)anthracene	21.921	228	258895	13.850	ng	99
83) Chrysene	21.992	228	262360	14.984	ng	100
87) Indeno(1,2,3-cd)pyrene	29.319	276	105537	4.921	ng	# 96
88) Benzo(b)fluoranthene	24.283	252	194788	10.397	ng	# 98
89) Benzo(k)fluoranthene	24.348	252	62797m	3.366	ng	
90) Benzo(a)pyrene	25.218	252	191520	10.481	ng	# 97
92) Benzo(g,h,i)perylene	30.570	276	116828	6.701	ng	99

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

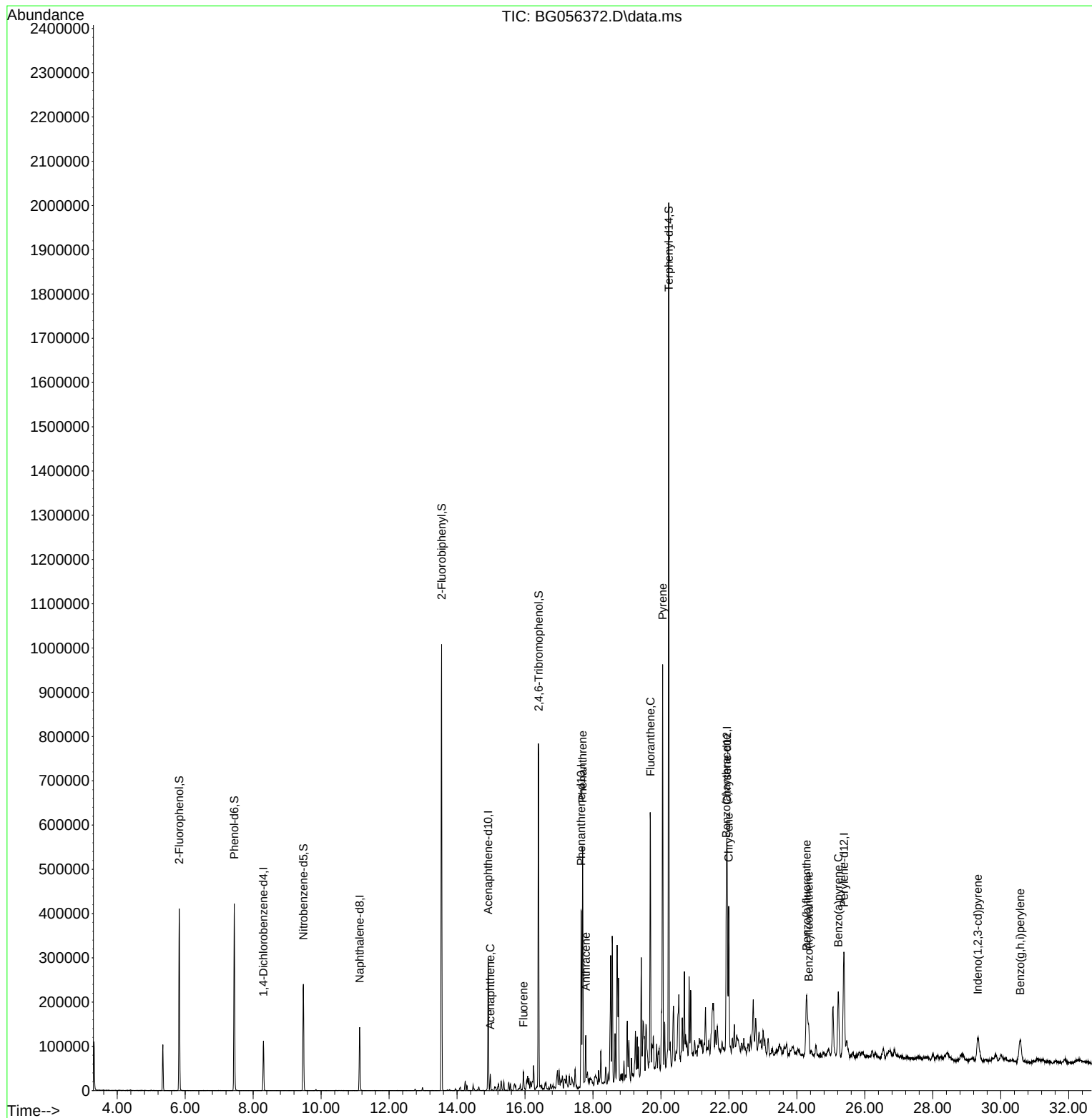
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
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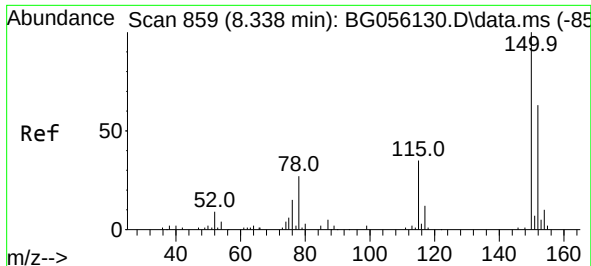
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
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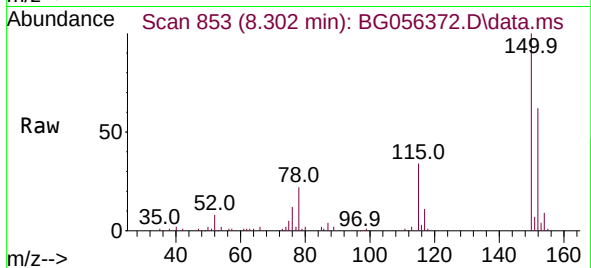
Reviewed By : Christian Giraldo 01/23/2023
Supervised By : Jagrut Upadhyay 01/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.302 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

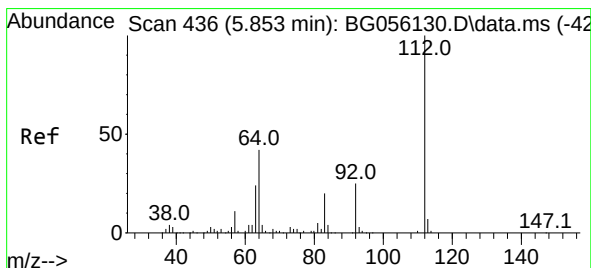
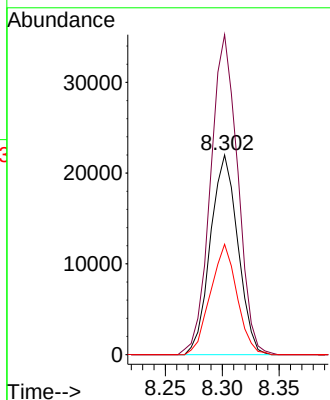
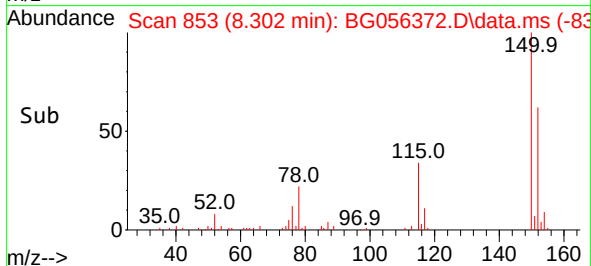
Instrument :
BNA_G
ClientSampleId :
B-P-19A



Tgt Ion:152 Resp: 36892
Ion Ratio Lower Upper
152 100
150 160.3 127.9 191.9
115 55.3 44.2 66.2

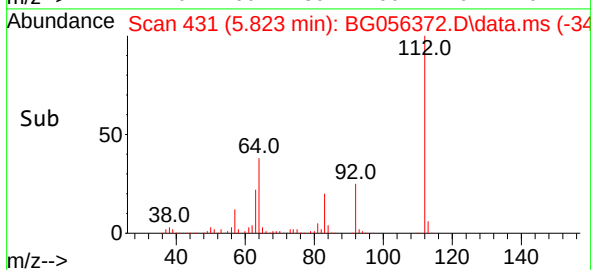
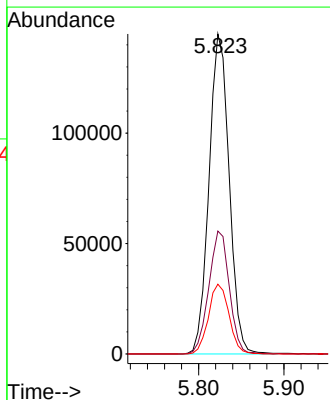
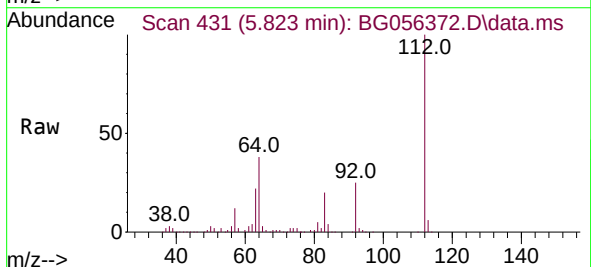
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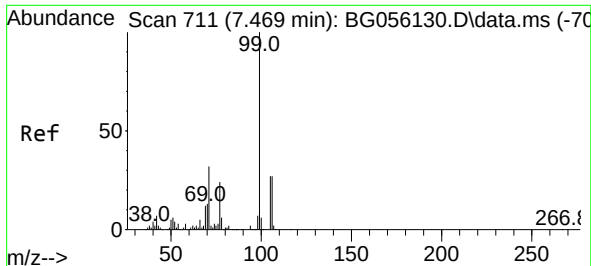
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#5
2-Fluorophenol
Concen: 115.056 ng
RT: 5.823 min Scan# 431
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

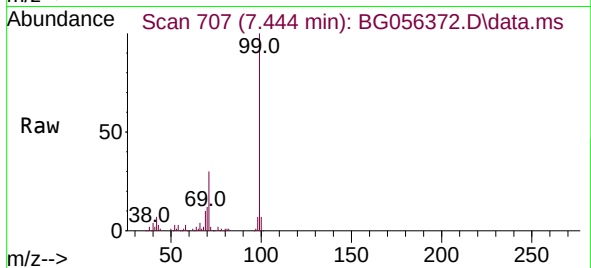
Tgt Ion:112 Resp: 237729
Ion Ratio Lower Upper
112 100
64 38.4 33.3 49.9
63 21.8 19.0 28.4





#7
Phenol-d6
Concen: 104.574 ng
RT: 7.444 min Scan# 70
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

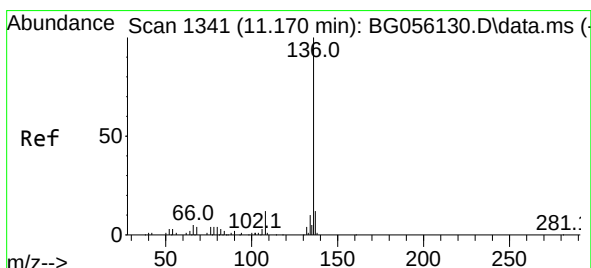
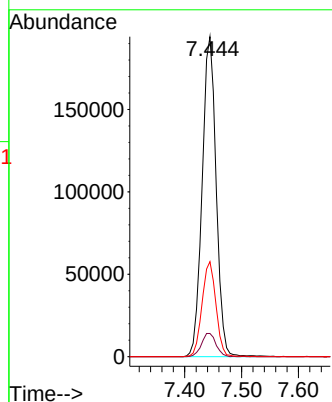
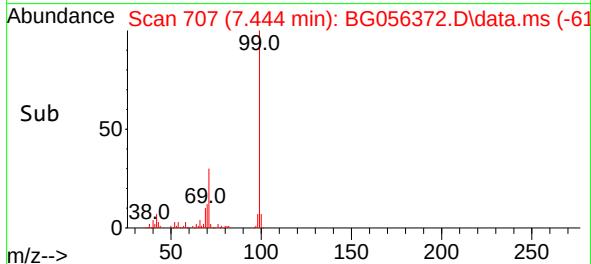
Instrument :
BNA_G
ClientSampleId :
B-P-19A



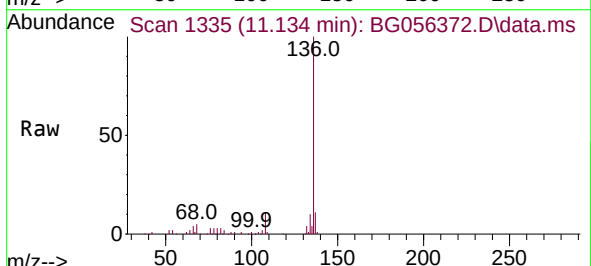
Tgt Ion: 99 Resp: 331824
Ion Ratio Lower Upper
99 100
42 7.2 5.9 8.9
71 29.7 25.4 38.2

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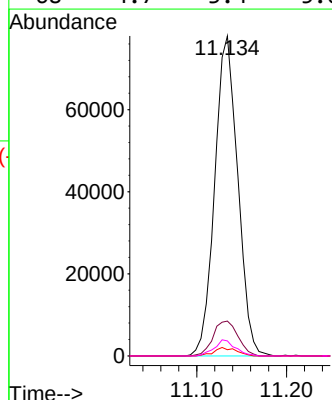
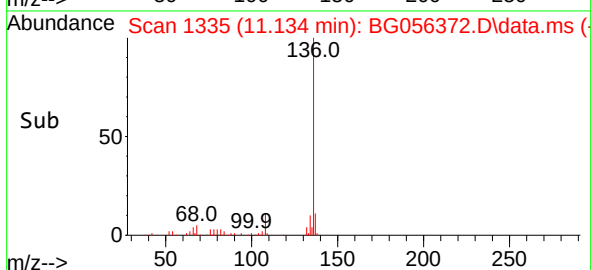
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

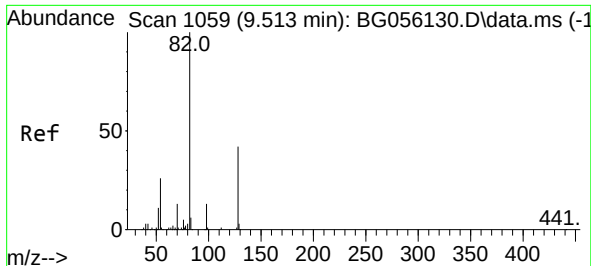


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.134 min Scan# 1335
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05



Tgt Ion:136 Resp: 139086
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.0
54 1.9 2.2 3.2#
68 4.7 3.4 5.0





#23

Nitrobenzene-d5

Concen: 63.859 ng

RT: 9.477 min Scan# 1053

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

B-P-19A

Tgt Ion: 82 Resp: 173640

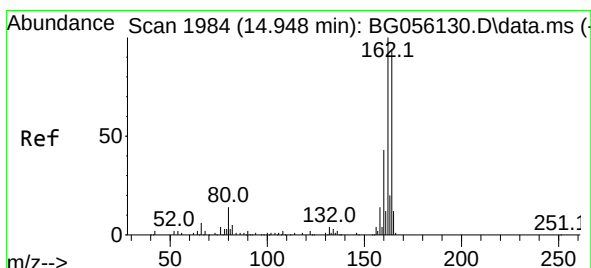
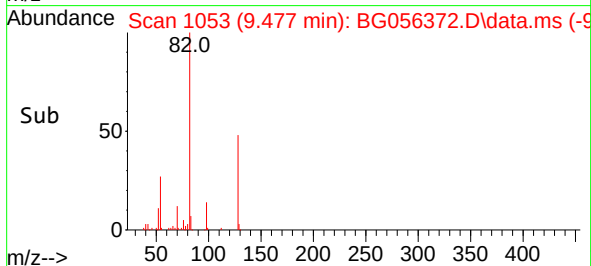
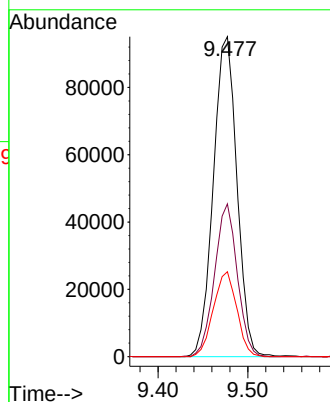
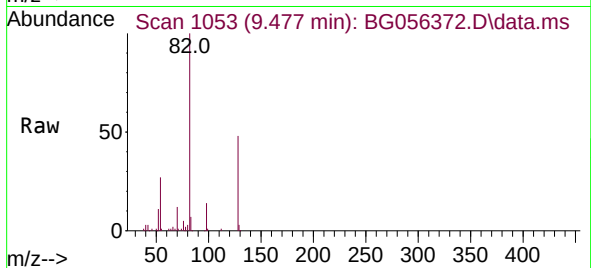
Ion	Ratio	Lower	Upper
82	100		
128	47.7	33.4	50.2
54	26.5	20.3	30.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.912 min Scan# 1978

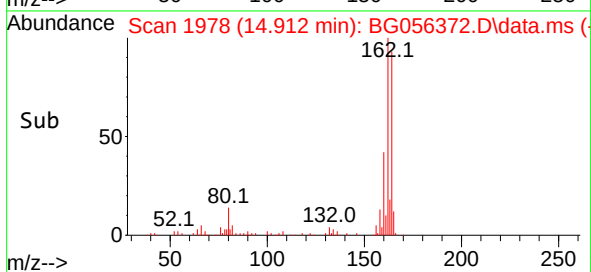
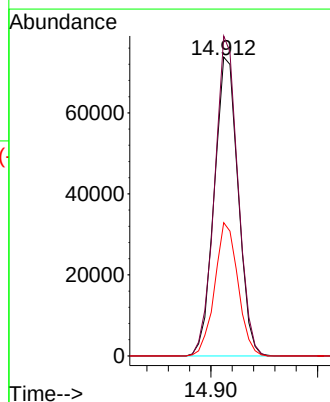
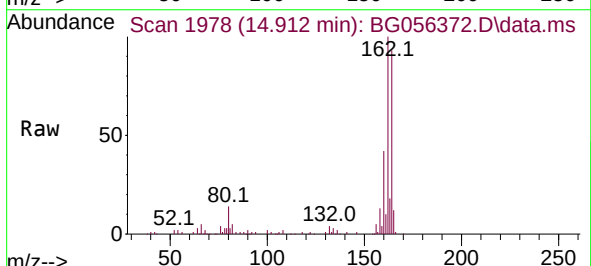
Delta R.T. -0.010 min

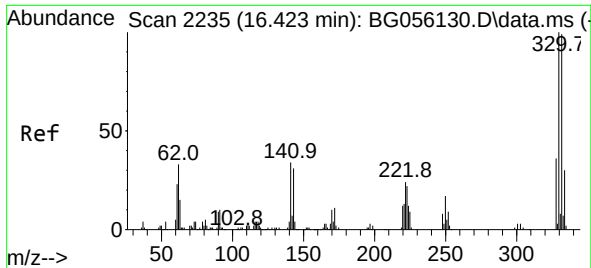
Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Tgt Ion:164 Resp: 114800

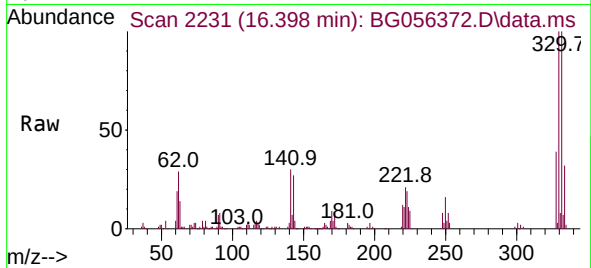
Ion	Ratio	Lower	Upper
164	100		
162	107.1	84.7	127.1
160	44.6	36.3	54.5





#42
2,4,6-Tribromophenol
Concen: 112.962 ng
RT: 16.398 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

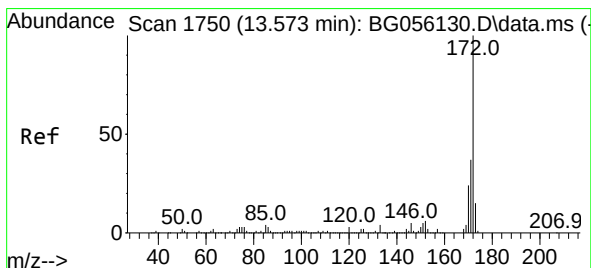
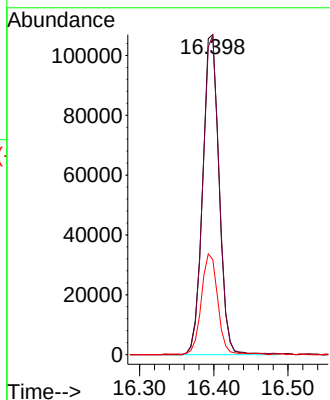
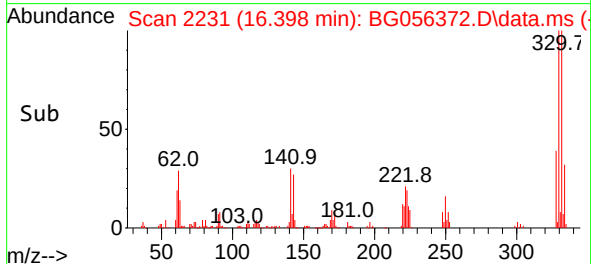
Instrument :
BNA_G
ClientSampleId :
B-P-19A



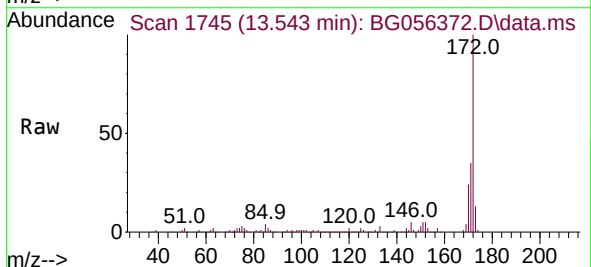
Tgt Ion:330 Resp: 164238
Ion Ratio Lower Upper
330 100
332 99.0 77.3 115.9
141 31.7 27.9 41.9

Manual Integrations
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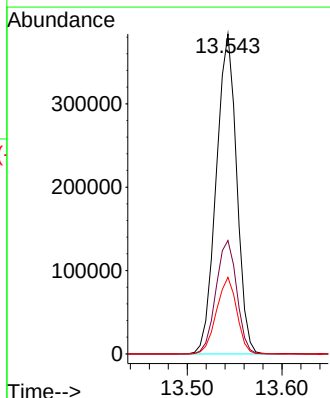
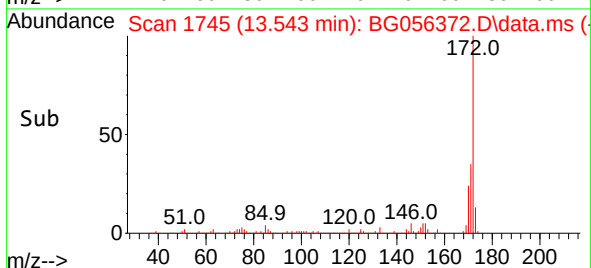
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

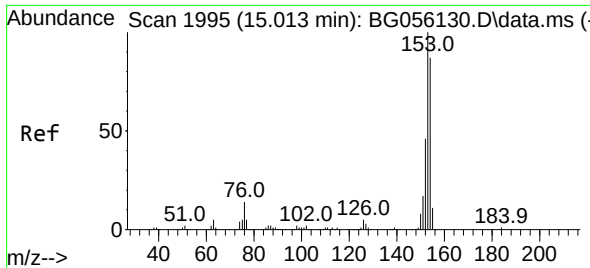


#45
2-Fluorobiphenyl
Concen: 69.118 ng
RT: 13.543 min Scan# 1745
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05



Tgt Ion:172 Resp: 574610
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 24.0 19.4 29.2





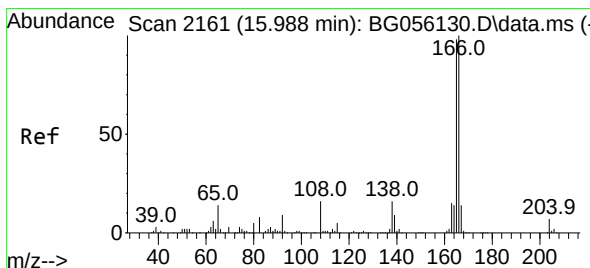
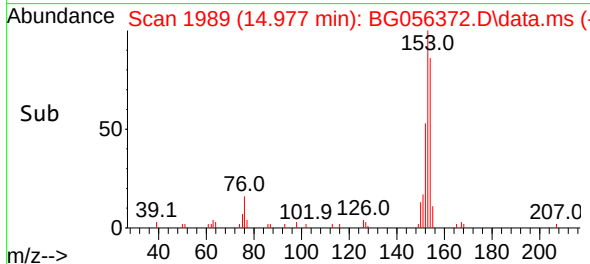
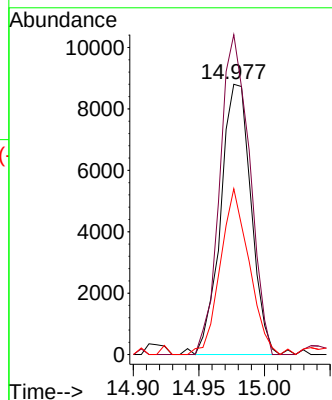
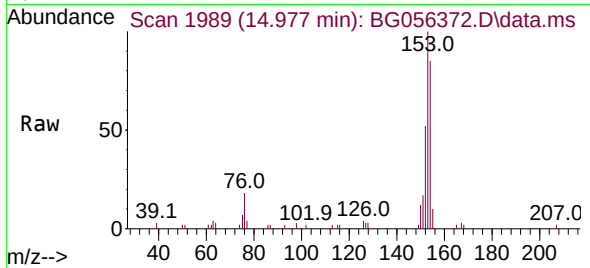
#52
Acenaphthene
Concen: 2.068 ng
RT: 14.977 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Tgt Ion:154 Resp: 1420
Ion Ratio Lower Upper
154 100
153 118.3 92.0 138.0
152 61.3 42.5 63.7

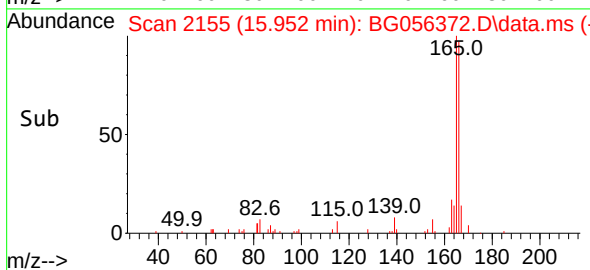
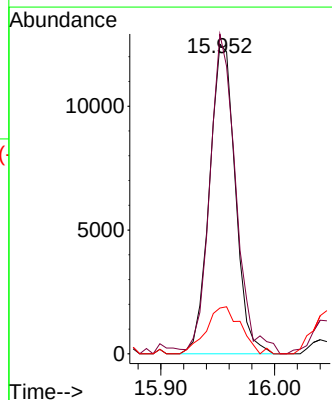
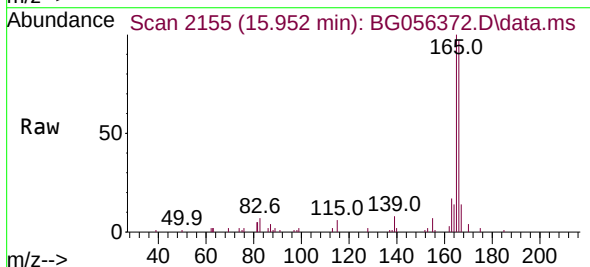
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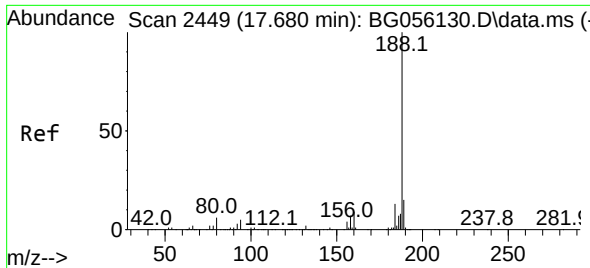
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#58
Fluorene
Concen: 2.159 ng
RT: 15.952 min Scan# 2155
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Tgt Ion:166 Resp: 19733
Ion Ratio Lower Upper
166 100
165 103.3 78.6 118.0
167 14.8 11.1 16.7





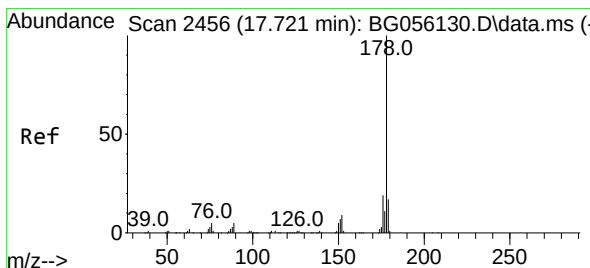
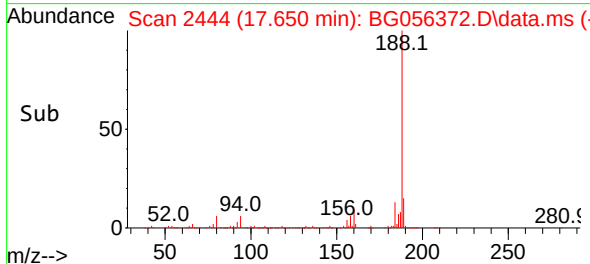
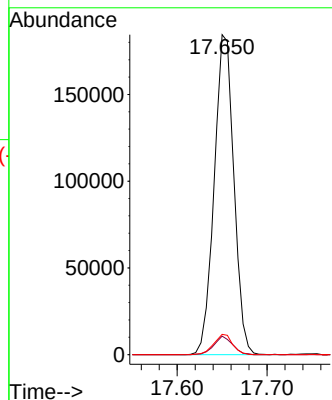
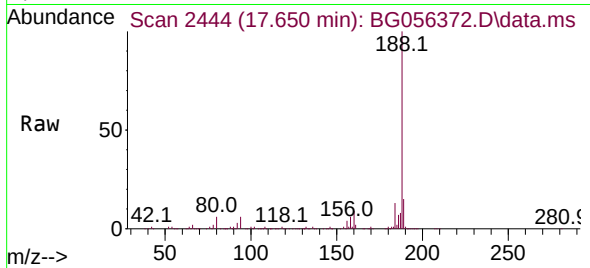
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.650 min Scan# 2449
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

Instrument :
BNA_G
ClientSampleId :
B-P-19A

Tgt Ion:188 Resp: 281635
Ion Ratio Lower Upper
188 100
94 5.8 4.2 6.2
80 6.3 5.0 7.4

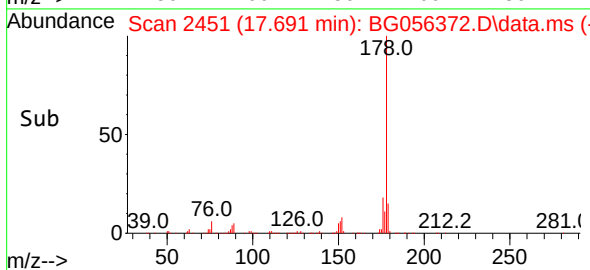
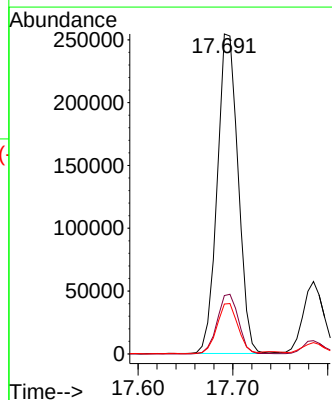
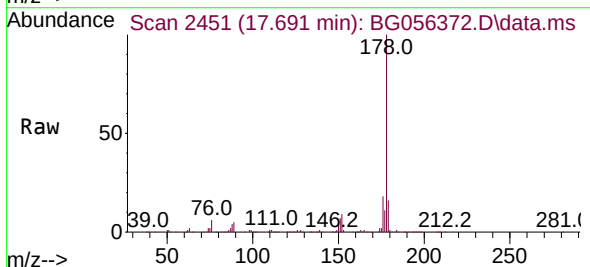
Manual Integrations
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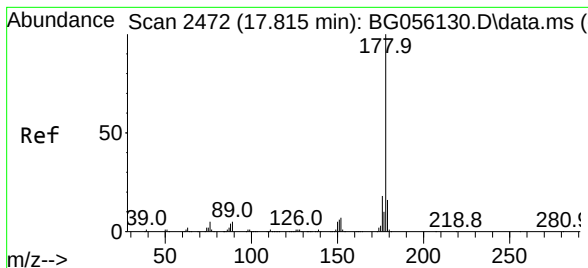
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#71
Phenanthrene
Concen: 26.674 ng
RT: 17.691 min Scan# 2451
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

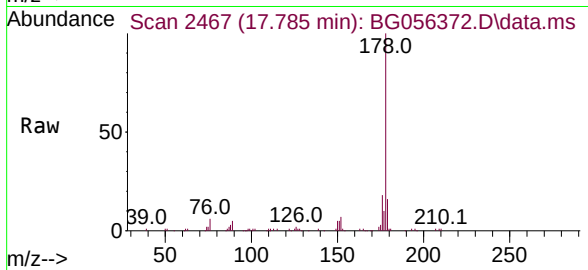
Tgt Ion:178 Resp: 389306
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.6 13.6 20.4





#72
 Anthracene
 Concen: 5.552 ng
 RT: 17.785 min Scan# 2472
 Delta R.T. -0.010 min
 Lab File: BG056372.D
 Acq: 20 Jan 2023 18:05

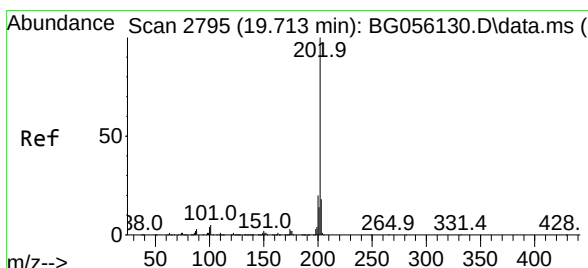
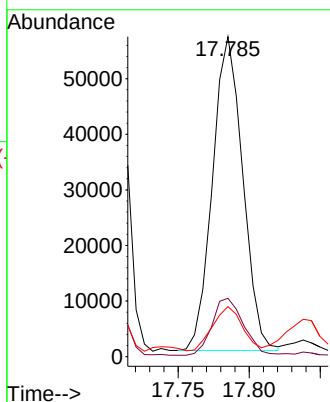
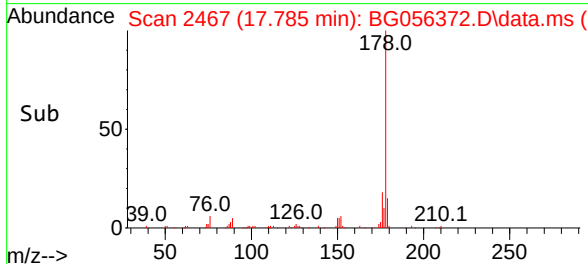
Instrument :
 BNA_G
 ClientSampleId :
 B-P-19A



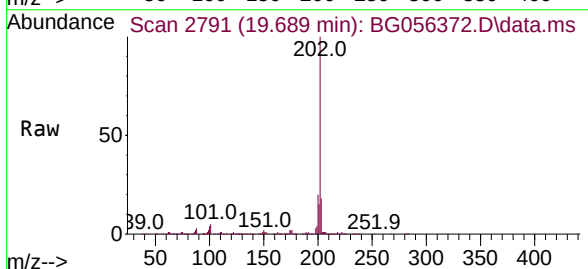
Tgt Ion:178 Resp: 83592
 Ion Ratio Lower Upper
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 176 18.2 14.6 22.0
 179 15.6 12.7 19.1

Manual Integrations
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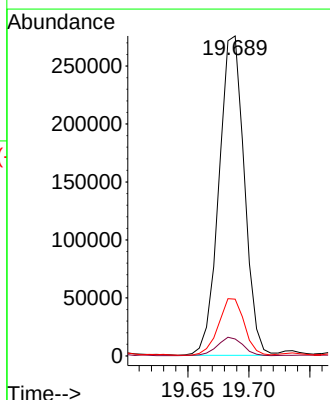
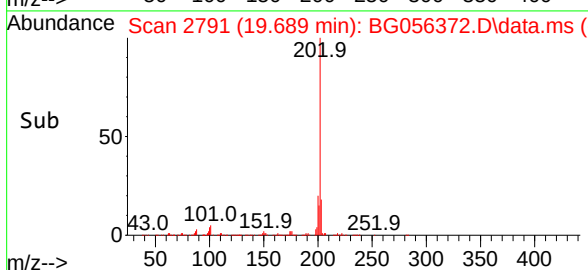
Reviewed By :Christian Giraldo 01/23/2023
 Supervised By :Jagrut Upadhyay 01/23/2023

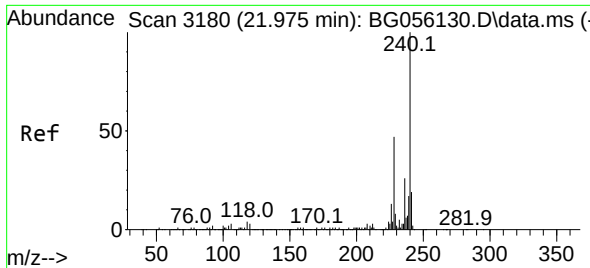


#75
 Fluoranthene
 Concen: 20.904 ng
 RT: 19.689 min Scan# 2791
 Delta R.T. -0.004 min
 Lab File: BG056372.D
 Acq: 20 Jan 2023 18:05



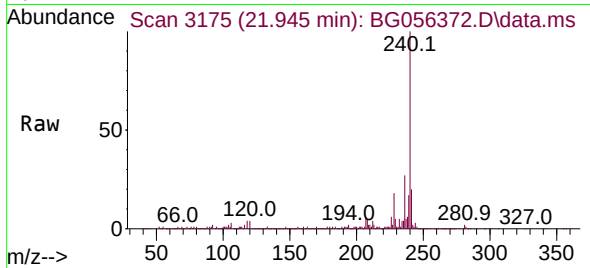
Tgt Ion:202 Resp: 397983
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 25.0
 203 17.7 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.945 min Scan# 3180
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

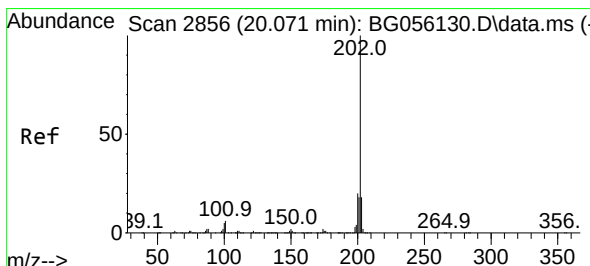
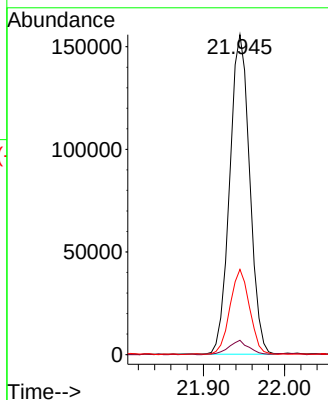
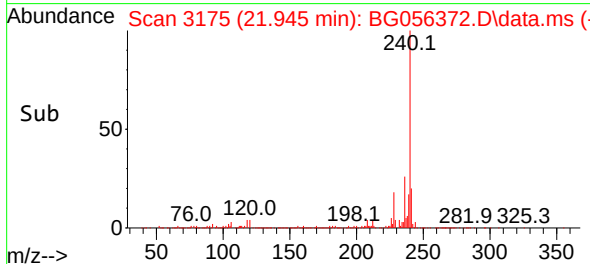
Instrument :
BNA_G
ClientSampleId :
B-P-19A



Tgt Ion:240 Resp: 266133
Ion Ratio Lower Upper
240 100
120 4.5 2.6 4.0
236 26.6 20.8 31.2

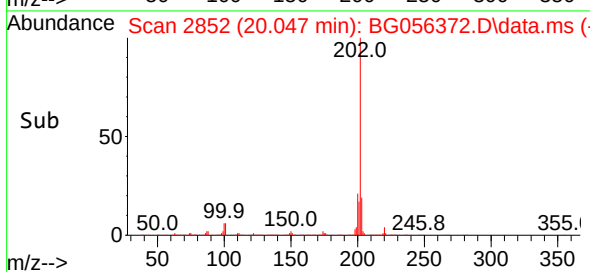
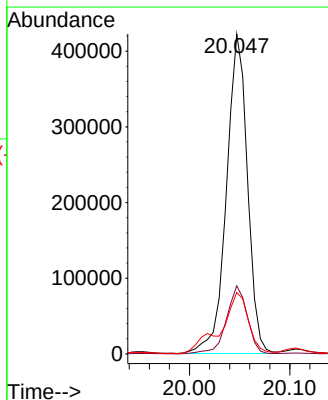
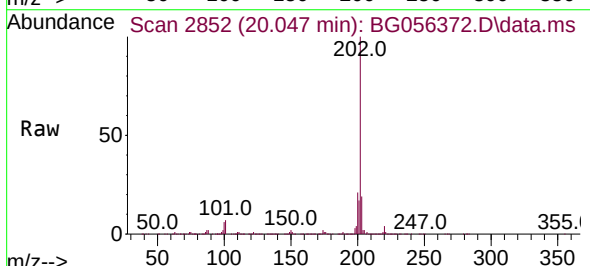
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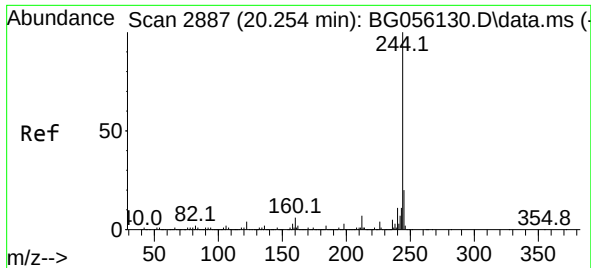
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#78
Pyrene
Concen: 32.757 ng
RT: 20.047 min Scan# 2852
Delta R.T. -0.004 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

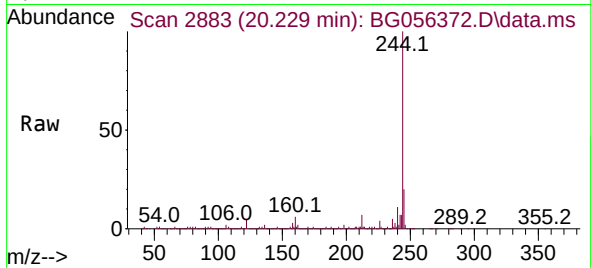
Tgt Ion:202 Resp: 614463
Ion Ratio Lower Upper
202 100
200 21.3 16.4 24.6
203 19.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 70.190 ng
 RT: 20.229 min Scan# 2883
 Delta R.T. -0.004 min
 Lab File: BG056372.D
 Acq: 20 Jan 2023 18:05

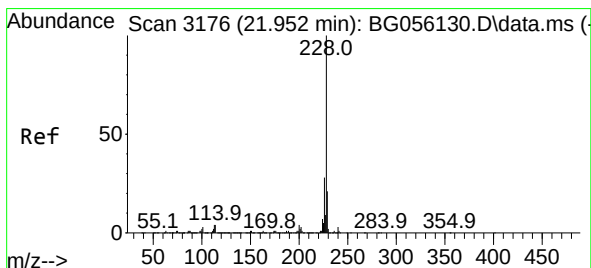
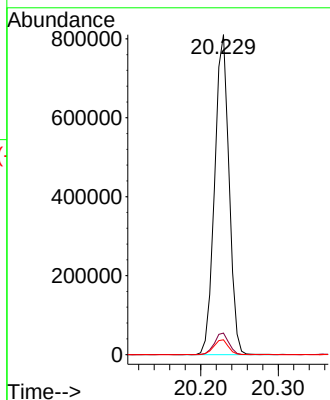
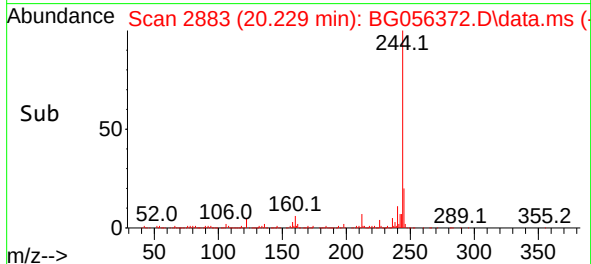
Instrument :
 BNA_G
 ClientSampleId :
 B-P-19A



Tgt Ion:244 Resp: 1042959
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 4.6 3.5 5.3

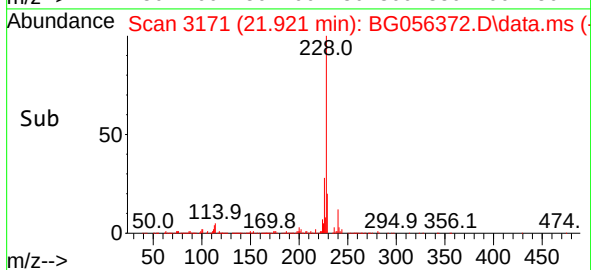
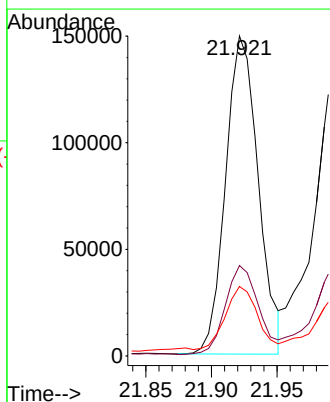
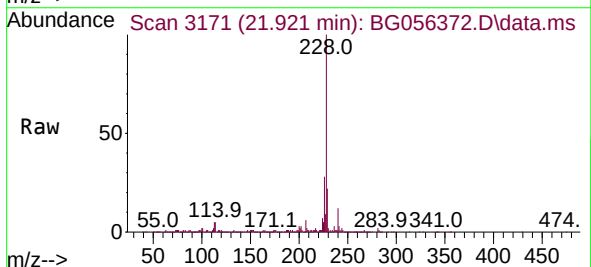
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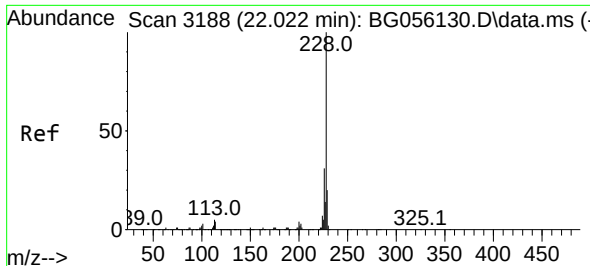
Reviewed By :Christian Giraldo 01/23/2023
 Supervised By :Jagrut Upadhyay 01/23/2023



#81
 Benzo(a)anthracene
 Concen: 13.850 ng
 RT: 21.921 min Scan# 3171
 Delta R.T. -0.010 min
 Lab File: BG056372.D
 Acq: 20 Jan 2023 18:05

Tgt Ion:228 Resp: 258895
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 34.0
 229 21.7 16.9 25.3





#83

Chrysene

Concen: 14.984 ng

RT: 21.992 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

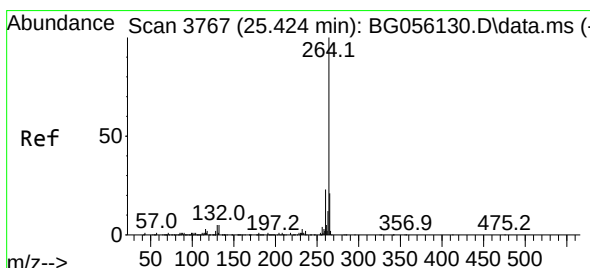
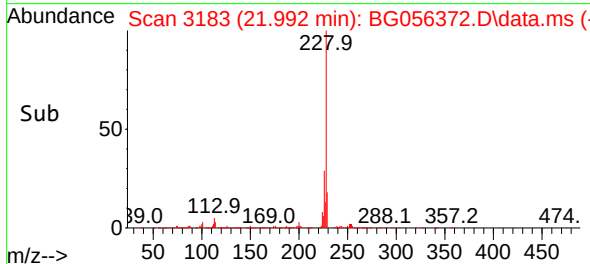
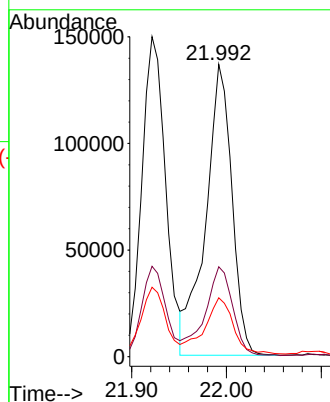
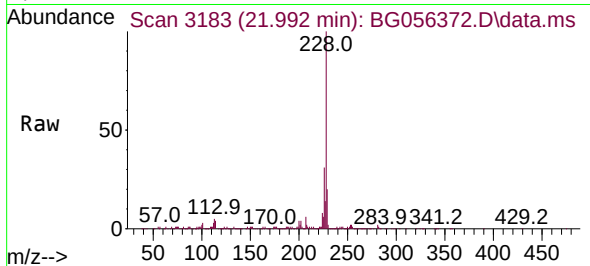
B-P-19A

Tgt Ion:228	Resp: 262360
Ion Ratio	Lower Upper
228 100	
226 30.8	24.6 36.8
229 20.1	15.8 23.6

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Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#86

Perylene-d12

Concen: 20.000 ng

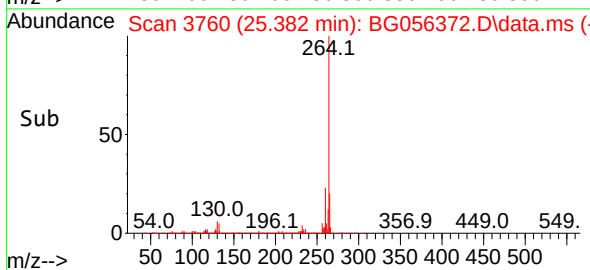
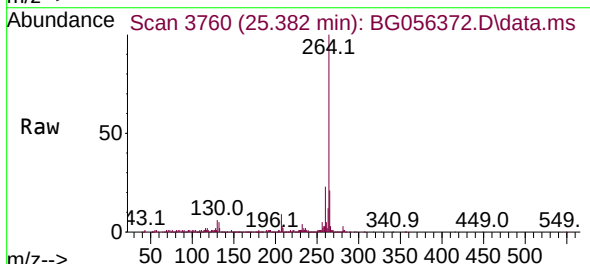
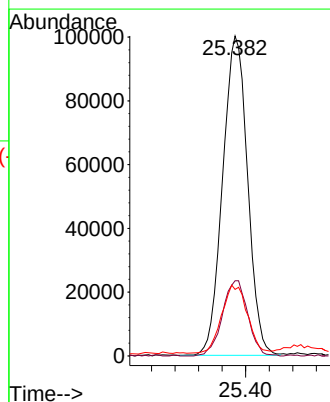
RT: 25.382 min Scan# 3760

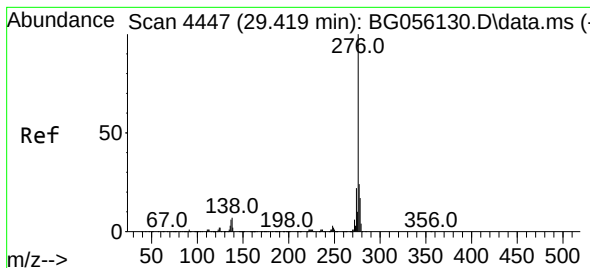
Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Tgt Ion:264	Resp: 294871
Ion Ratio	Lower Upper
264 100	
260 23.5	18.6 28.0
265 20.8	16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.921 ng

RT: 29.319 min Scan# 4447

Delta R.T. -0.039 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

Instrument :

BNA_G

ClientSampleId :

B-P-19A

Tgt Ion:276 Resp: 10553

Ion Ratio Lower Upper

276 100

138 9.6 5.0 7.4

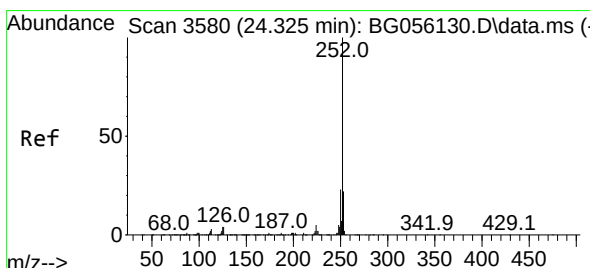
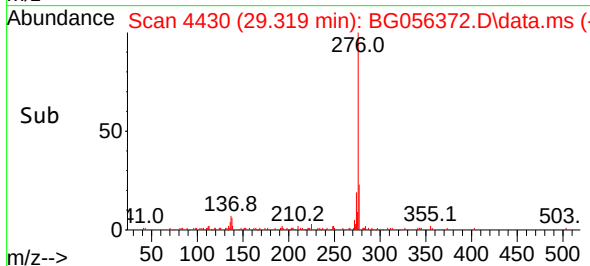
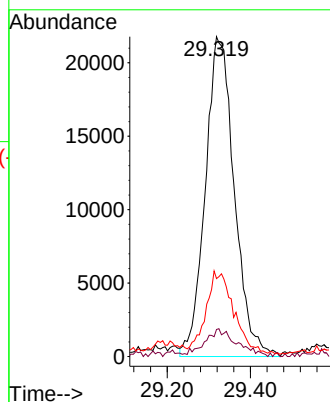
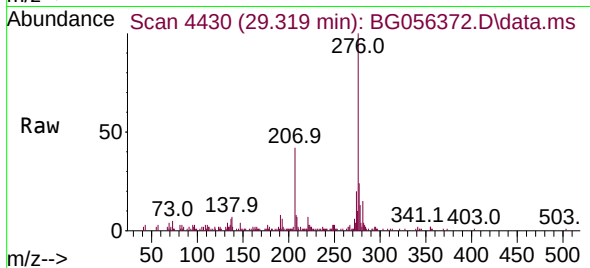
277 24.2 20.5 30.7

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Reviewed By :Christian Giraldo 01/23/2023

Supervised By :Jagrut Upadhyay 01/23/2023



#88

Benzo(b)fluoranthene

Concen: 10.397 ng

RT: 24.283 min Scan# 3573

Delta R.T. -0.010 min

Lab File: BG056372.D

Acq: 20 Jan 2023 18:05

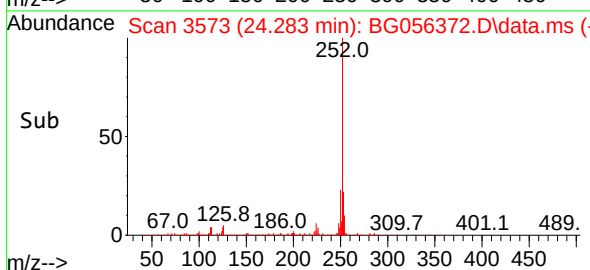
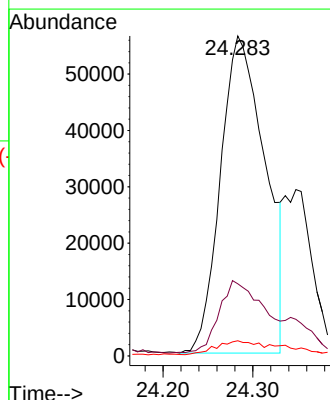
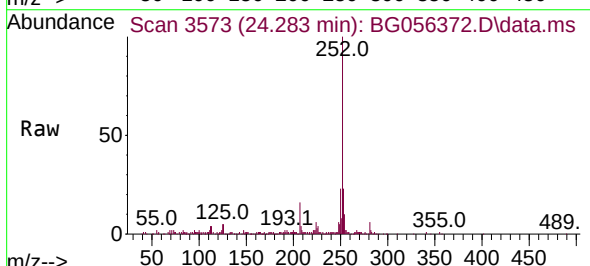
Tgt Ion:252 Resp: 194788

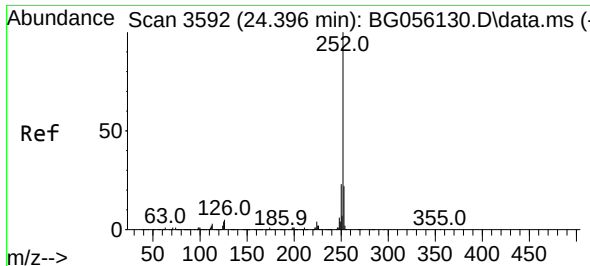
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

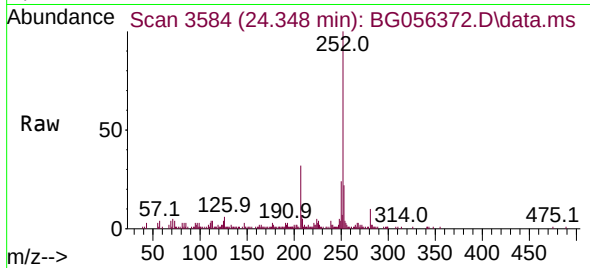
125 4.7 3.0 4.4





#89
Benzo(k)fluoranthene
Concen: 3.366 ng m
RT: 24.348 min Scan# 31
Delta R.T. -0.021 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05

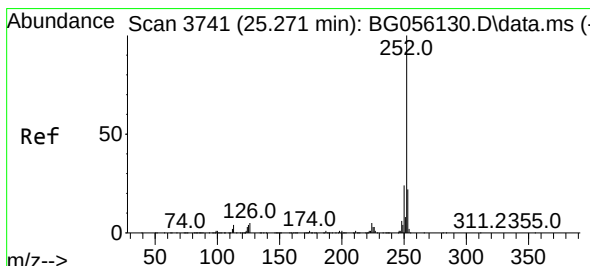
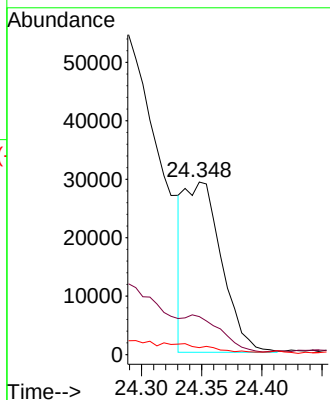
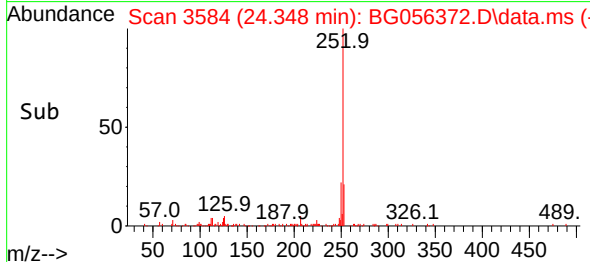
Instrument :
BNA_G
ClientSampleId :
B-P-19A



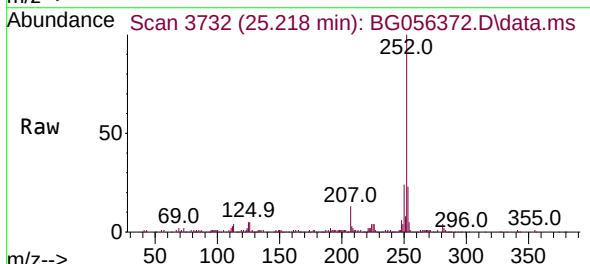
Tgt Ion:252 Resp: 6279
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 4.0 3.4 5.0

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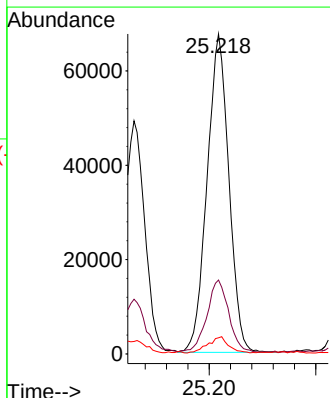
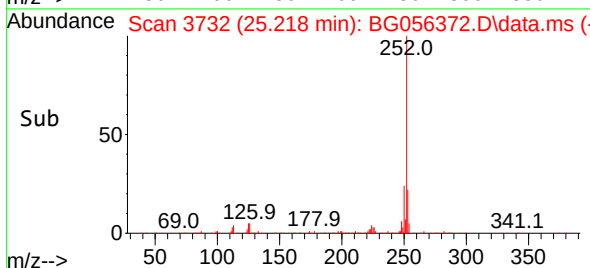
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

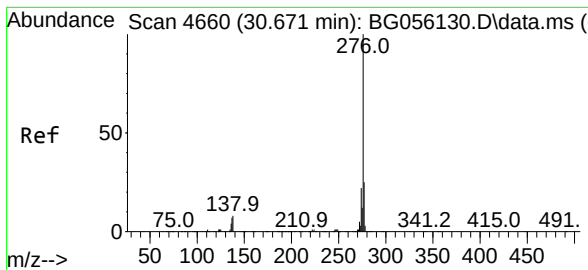


#90
Benzo(a)pyrene
Concen: 10.481 ng
RT: 25.218 min Scan# 3732
Delta R.T. -0.010 min
Lab File: BG056372.D
Acq: 20 Jan 2023 18:05



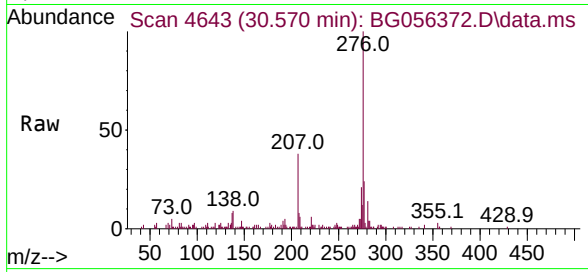
Tgt Ion:252 Resp: 191520
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 5.0 3.2 4.8#





#92
 Benzo(g,h,i)perylene
 Concen: 6.701 ng
 RT: 30.570 min Scan# 4643
 Delta R.T. -0.027 min
 Lab File: BG056372.D
 Acq: 20 Jan 2023 18:05

Instrument :
 BNA_G
 ClientSampleId :
 B-P-19A



Tgt Ion: 276 Resp: 116828

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.7	29.5
138	9.3	6.7	10.1

Manual Integrations
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Reviewed By : Christian Giraldo 01/23/2023
 Supervised By : Jagrut Upadhyay 01/23/2023

