

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053057.D
 Acq On : 6 Apr 2022 16:29
 Operator : CG/JU
 Sample : N2220-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A10015

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 06 17:15:17 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 14:35:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.129	152	32299	20.000	ng	0.00
21) Naphthalene-d8	10.936	136	136199	20.000	ng	0.00
39) Acenaphthene-d10	14.749	164	100566	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	225690	20.000	ng	0.00
76) Chrysene-d12	21.775	240	212785	20.000	ng	0.00
86) Perylene-d12	25.082	264	221505	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	180649	97.403	ng	0.00
7) Phenol-d6	7.288	99	285102	101.965	ng	0.00
23) Nitrobenzene-d5	9.286	82	228425	84.176	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	140505	103.975	ng	0.00
45) 2-Fluorobiphenyl	13.374	172	480151	70.416	ng	0.00
79) Terphenyl-d14	20.095	244	761882	63.692	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.989	128	18622	2.644	ng	# 95
37) 2-Methylnaphthalene	12.581	142	23612	4.578	ng	94
38) 1-Methylnaphthalene	12.805	142	24476	4.862	ng	# 99
71) Phenanthrene	17.533	178	146523	12.136	ng	97
75) Fluoranthene	19.542	202	218815	14.277	ng	98
78) Pyrene	19.901	202	183735	12.448	ng	98
81) Benzo(a)anthracene	21.751	228	109946	7.716	ng	96
83) Chrysene	21.822	228	114252	8.529	ng	98
87) Indeno(1,2,3-cd)pyrene	28.853	276	66153	4.363	ng	# 88
88) Benzo(b)fluoranthene	24.030	252	150356	10.932	ng	96
89) Benzo(k)fluoranthene	24.095	252	35723m	2.640	ng	
90) Benzo(a)pyrene	24.923	252	90091	7.739	ng	99
92) Benzo(g,h,i)perylene	30.022	276	59919	4.847	ng	99

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

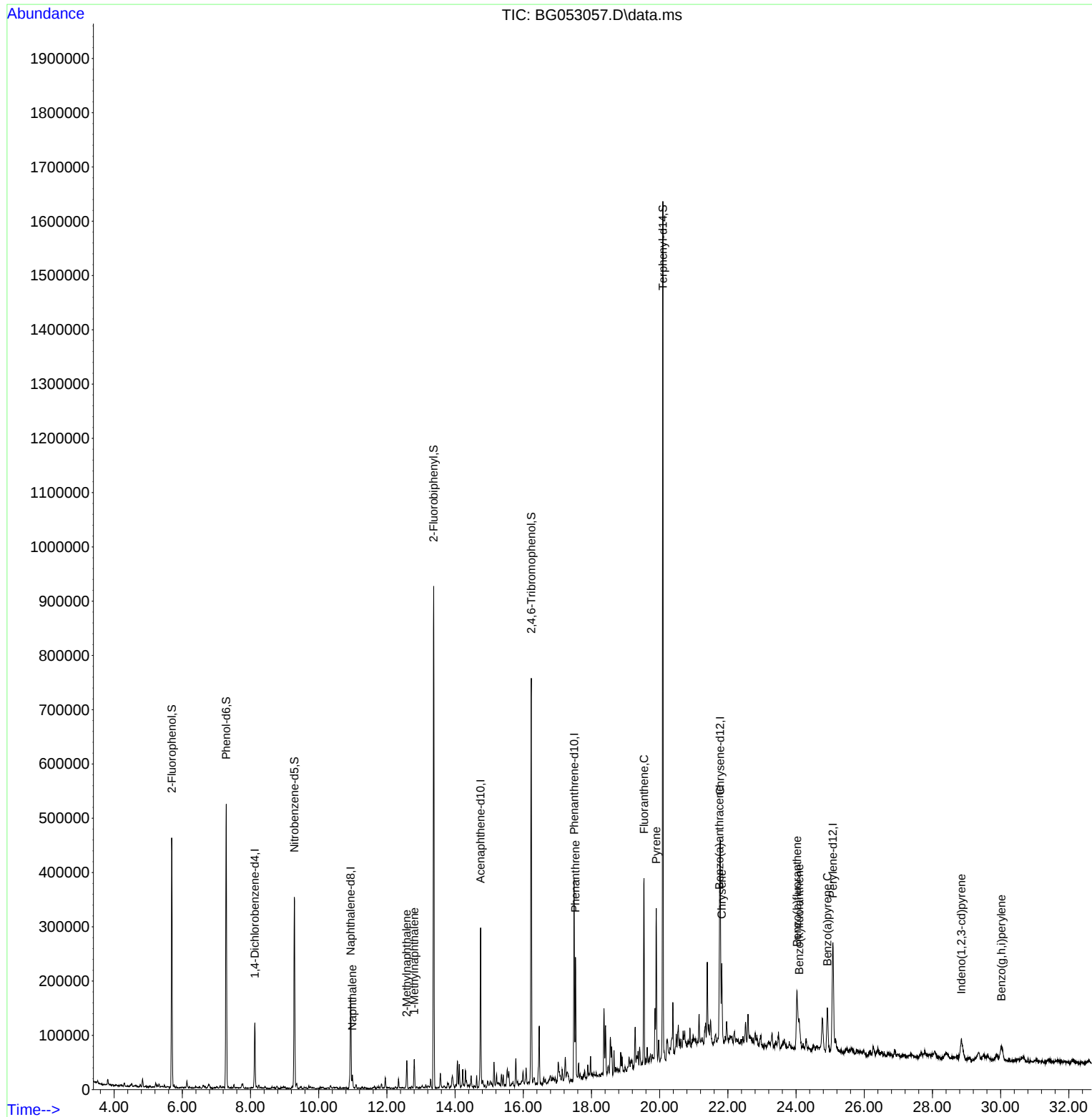
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
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ALS Vial : 7 Sample Multiplier: 1

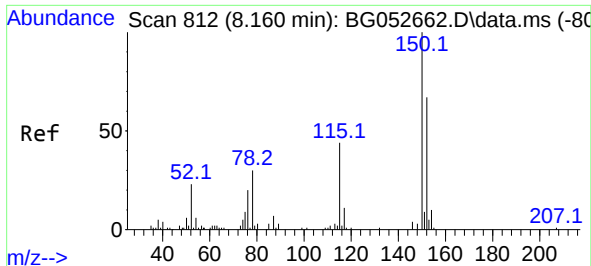
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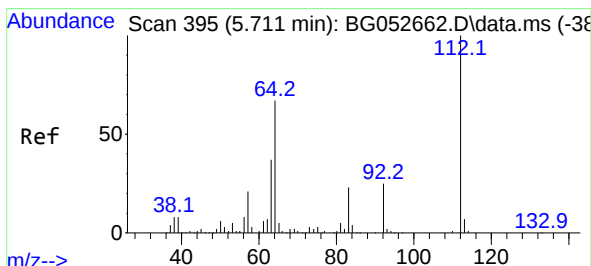
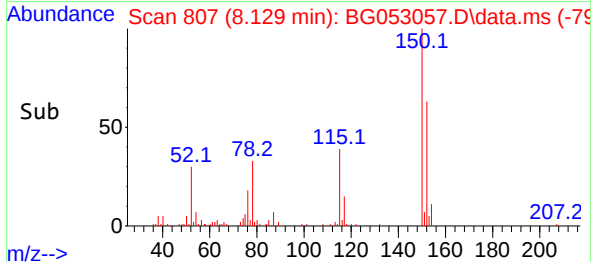
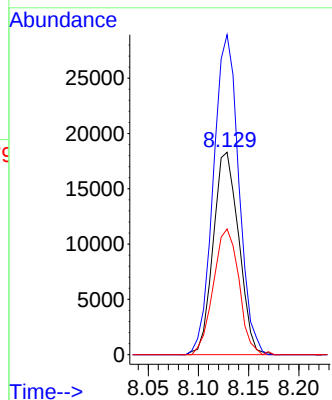
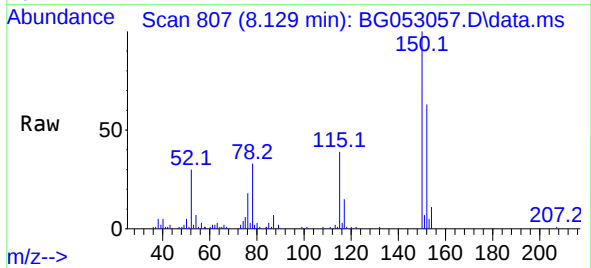
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.129 min Scan# 807
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Instrument :
BNA_G
ClientSampleId :
A10015

Tgt Ion:152 Resp: 32299
Ion Ratio Lower Upper
152 100
150 158.2 114.6 172.0
115 62.1 45.9 68.9

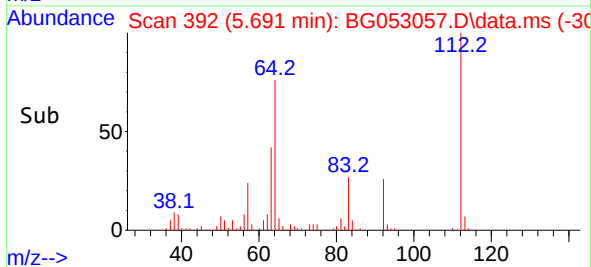
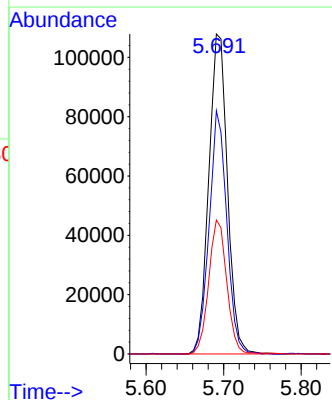
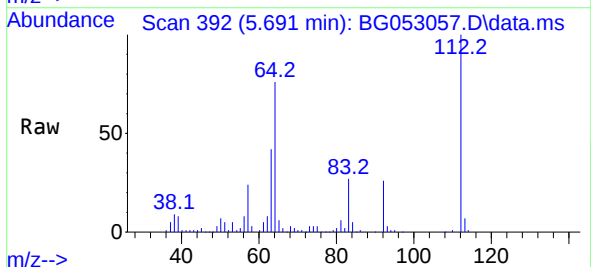
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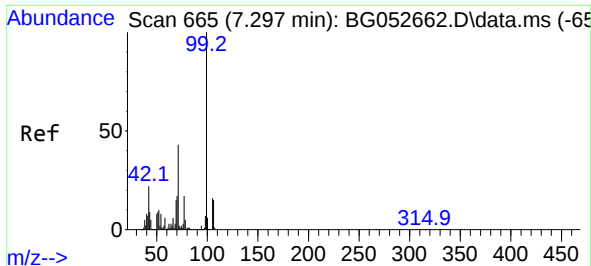
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#5
2-Fluorophenol
Concen: 97.403 ng
RT: 5.691 min Scan# 392
Delta R.T. 0.006 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

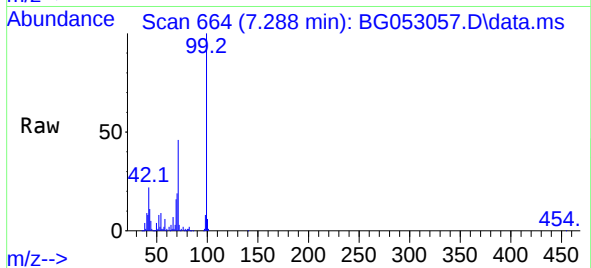
Tgt Ion:112 Resp: 180649
Ion Ratio Lower Upper
112 100
64 76.0 48.0 72.0#
63 41.9 26.5 39.7#





#7
Phenol-d6
Concen: 101.965 ng
RT: 7.288 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

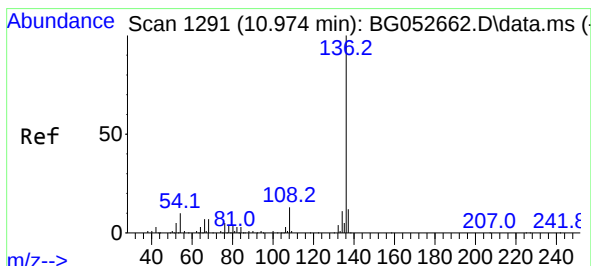
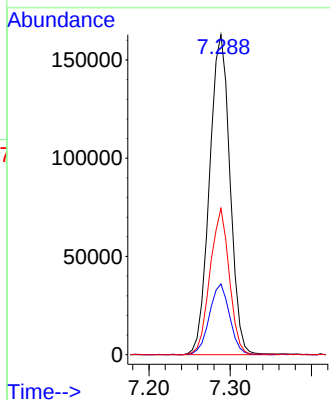
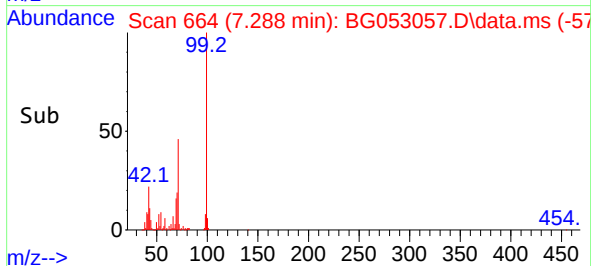
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BNA_G
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A10015



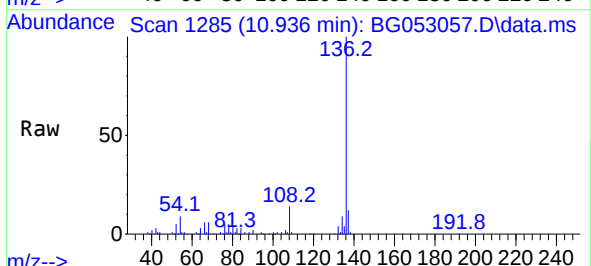
Tgt Ion: 99 Resp: 28510
Ion Ratio Lower Upper
99 100
42 22.1 14.7 22.1
71 45.7 29.2 43.8

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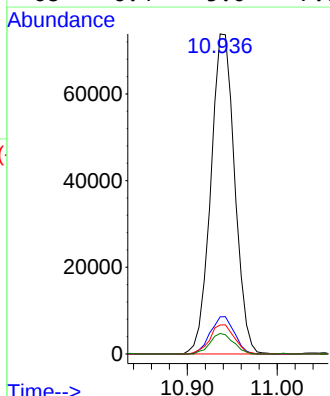
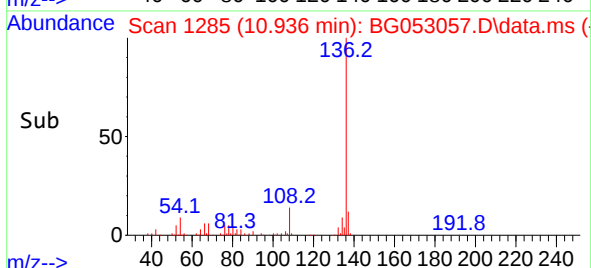
Reviewed By :Christian Giraldo 04/07/2022
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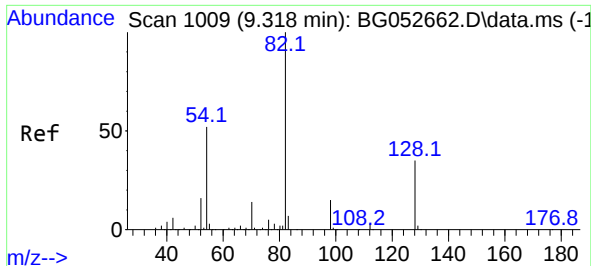


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.936 min Scan# 1285
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29



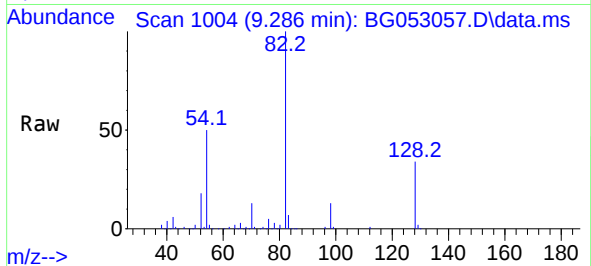
Tgt Ion:136 Resp: 136199
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.2
54 9.1 6.4 9.6
68 6.4 5.0 7.6





#23
Nitrobenzene-d5
Concen: 84.176 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

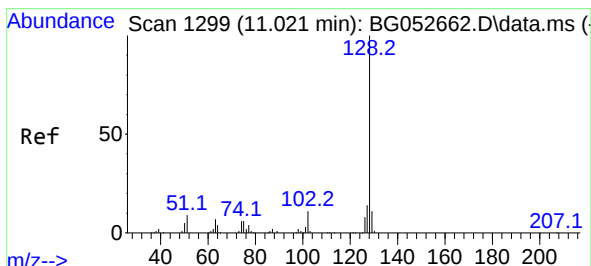
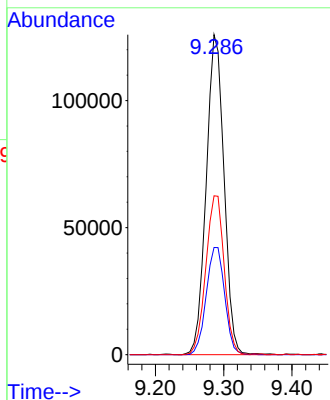
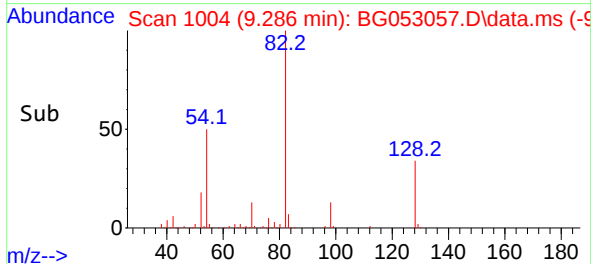
Instrument :
BNA_G
ClientSampleId :
A10015



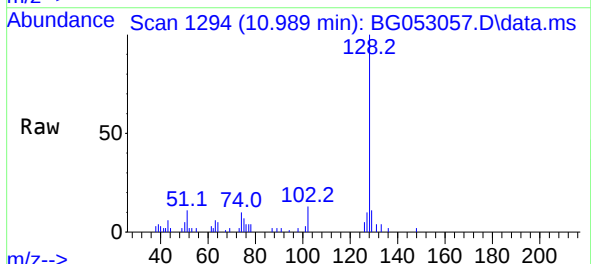
Tgt Ion: 82 Resp: 22842
Ion Ratio Lower Upper
82 100
128 33.5 31.3 46.9
54 49.6 37.8 56.8

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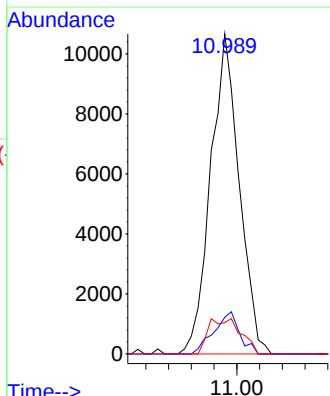
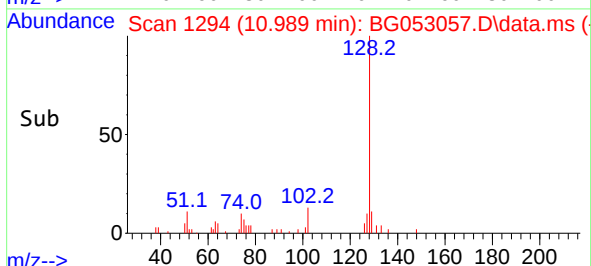
Reviewed By :Christian Giraldo 04/07/2022
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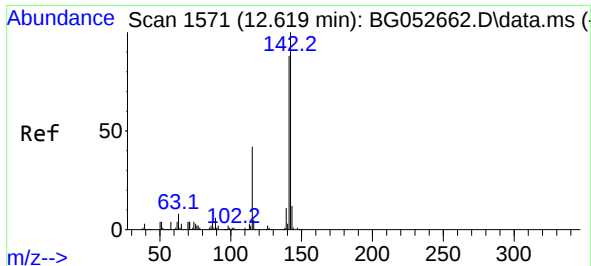


#31
Naphthalene
Concen: 2.644 ng
RT: 10.989 min Scan# 1294
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29



Tgt Ion:128 Resp: 18622
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 9.8 10.5 15.7#





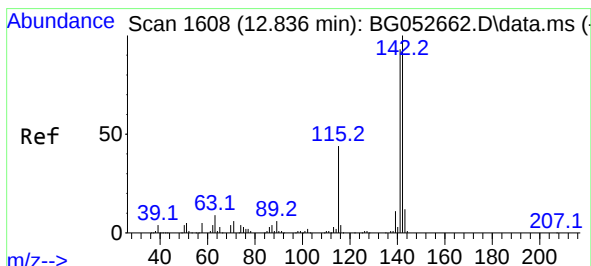
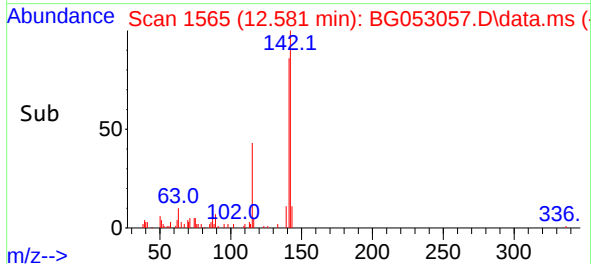
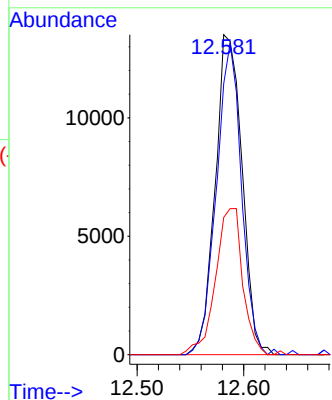
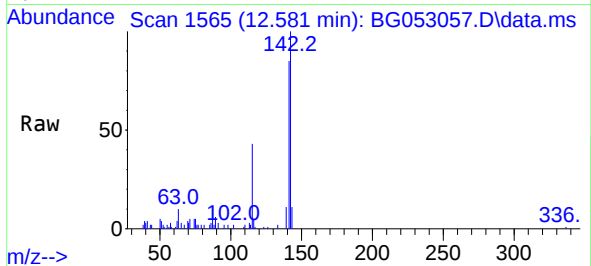
#37
2-Methylnaphthalene
Concen: 4.578 ng
RT: 12.581 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Instrument :
BNA_G
ClientSampleId :
A10015

Tgt Ion:142 Resp: 2361
Ion Ratio Lower Upper
142 100
141 84.7 71.3 106.9
115 42.9 29.5 44.3

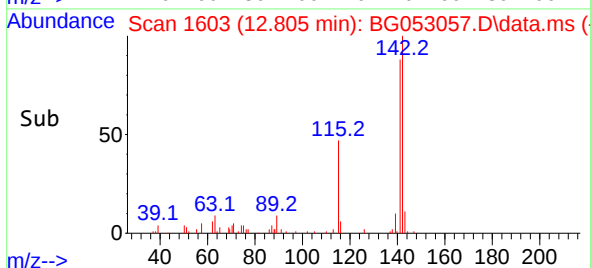
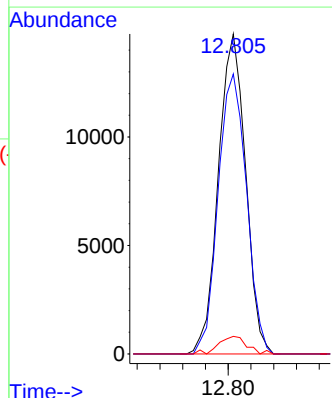
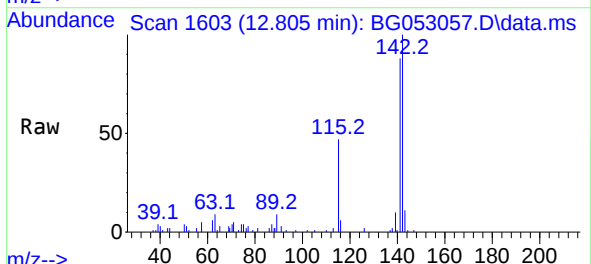
Manual Integrations
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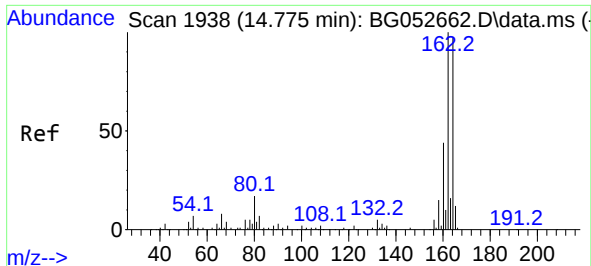
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#38
1-Methylnaphthalene
Concen: 4.862 ng
RT: 12.805 min Scan# 1603
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

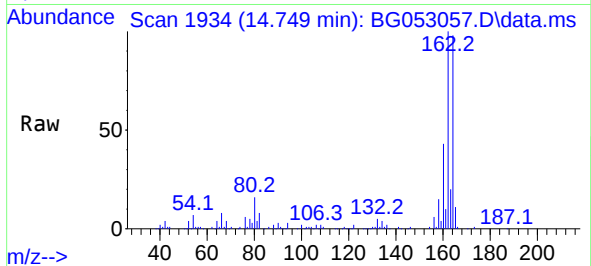
Tgt Ion:142 Resp: 24476
Ion Ratio Lower Upper
142 100
141 87.5 70.5 105.7
116 5.5 3.1 4.7#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

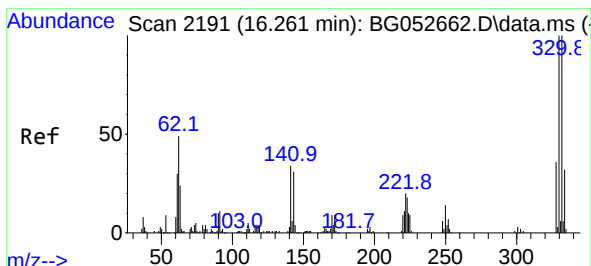
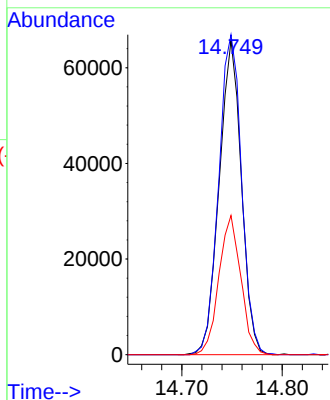
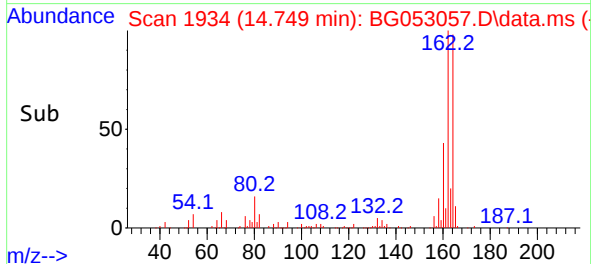
Instrument :
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ClientSampleId :
A10015



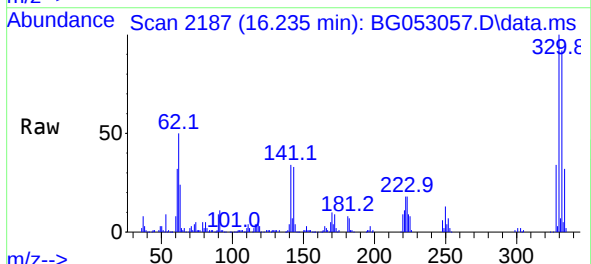
Tgt Ion:164 Resp: 100560
Ion Ratio Lower Upper
164 100
162 101.8 80.0 120.0
160 44.3 38.8 58.2

Manual Integrations
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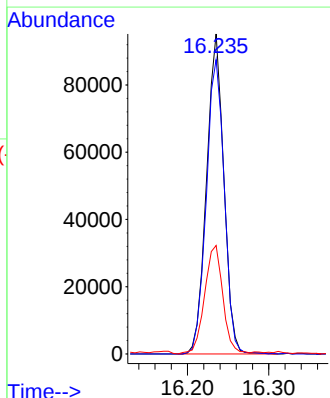
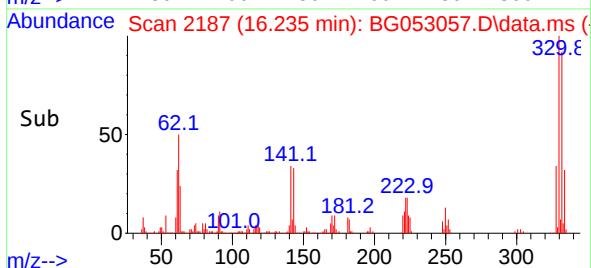
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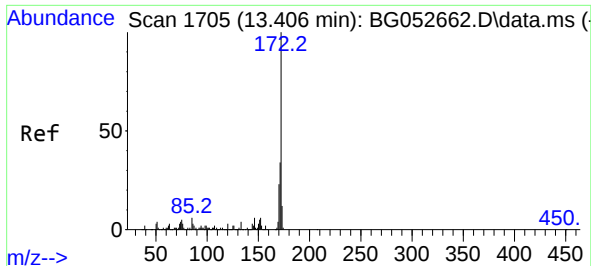


#42
2,4,6-Tribromophenol
Concen: 103.975 ng
RT: 16.235 min Scan# 2187
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29



Tgt Ion:330 Resp: 140505
Ion Ratio Lower Upper
330 100
332 95.5 75.8 113.6
141 35.9 24.6 36.8





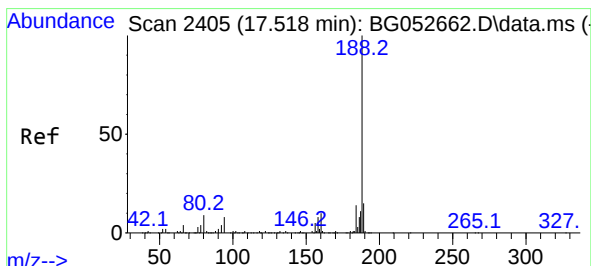
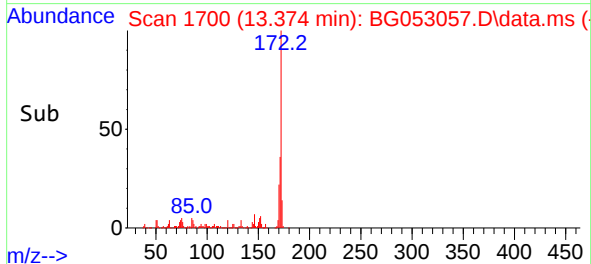
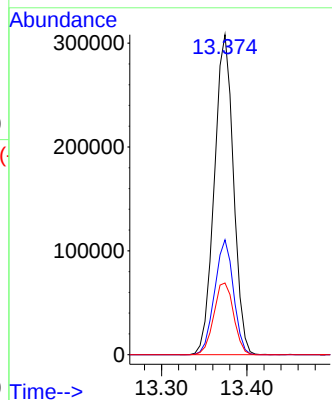
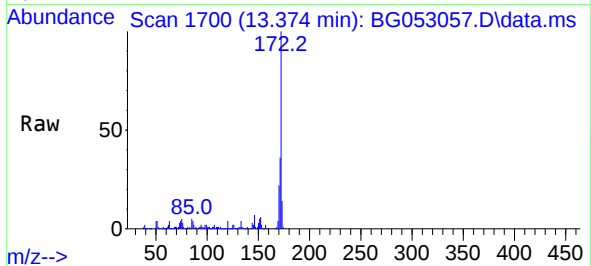
#45
2-Fluorobiphenyl
Concen: 70.416 ng
RT: 13.374 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Instrument :
BNA_G
ClientSampleId :
A10015

Tgt Ion:172 Resp: 48015
Ion Ratio Lower Upper
172 100
171 35.9 28.3 42.5
170 22.4 18.0 27.0

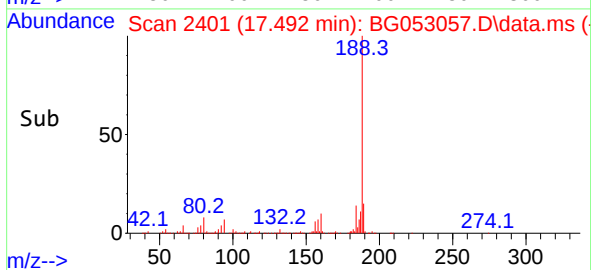
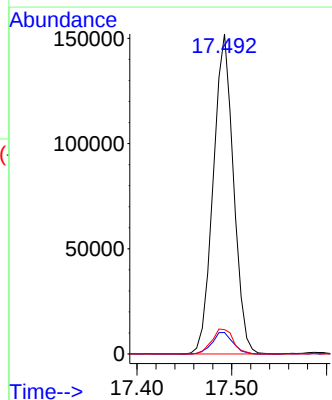
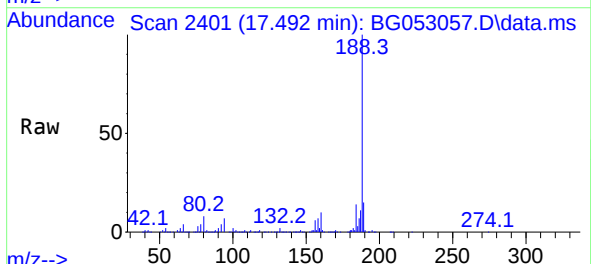
Manual Integrations
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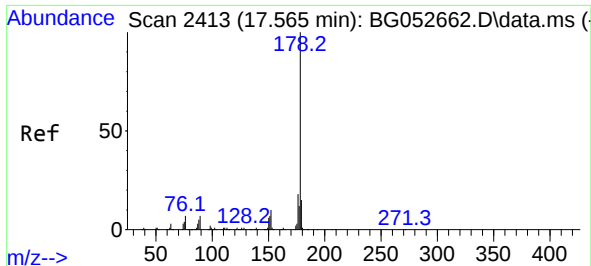
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2401
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Tgt Ion:188 Resp: 225690
Ion Ratio Lower Upper
188 100
94 6.7 5.7 8.5
80 7.6 7.2 10.8





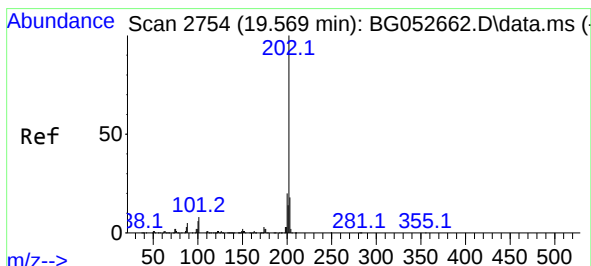
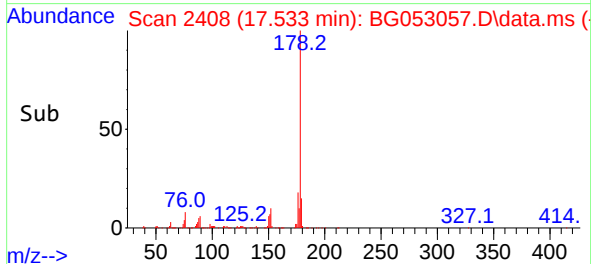
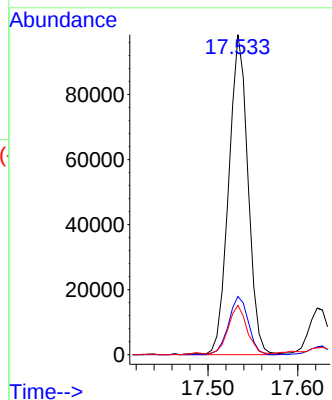
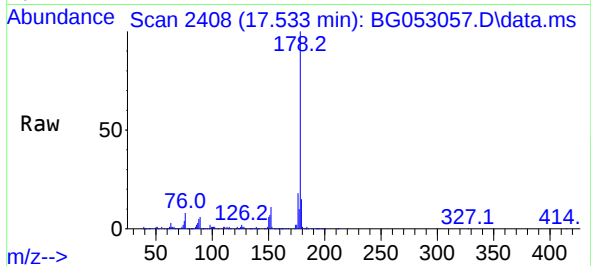
#71
Phenanthrene
Concen: 12.136 ng
RT: 17.533 min Scan# 2413
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

Instrument :
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ClientSampleId :
A10015

Tgt Ion:178 Resp: 14652
Ion Ratio Lower Upper
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176 18.2 15.9 23.9
179 15.4 13.4 20.2

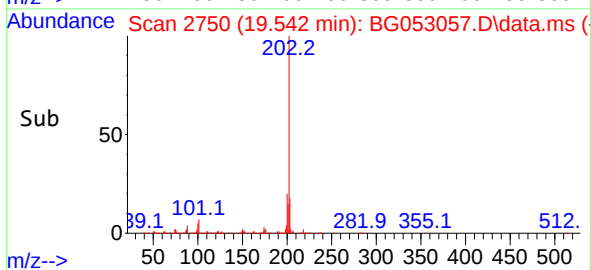
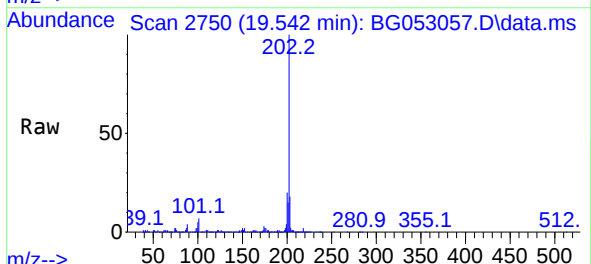
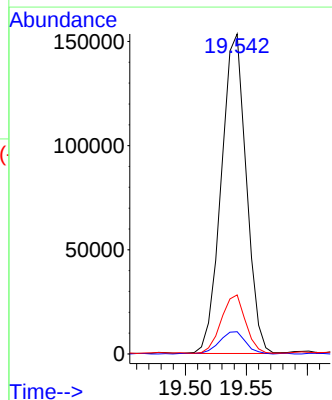
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APPROVED

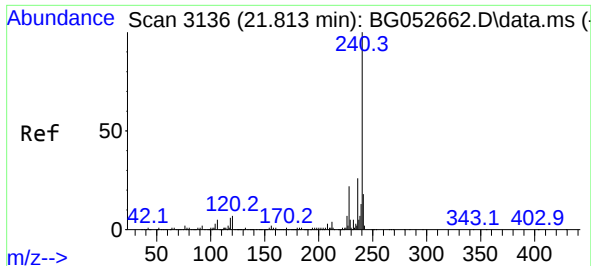
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#75
Fluoranthene
Concen: 14.277 ng
RT: 19.542 min Scan# 2750
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

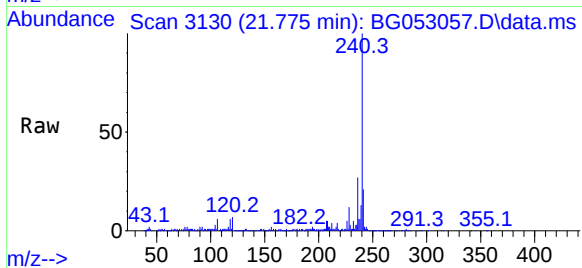
Tgt Ion:202 Resp: 218815
Ion Ratio Lower Upper
202 100
101 7.0 0.0 27.3
203 18.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.775 min Scan# 3136
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

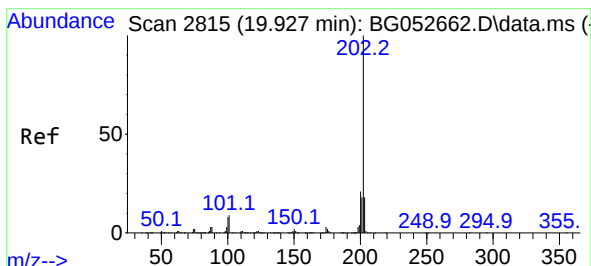
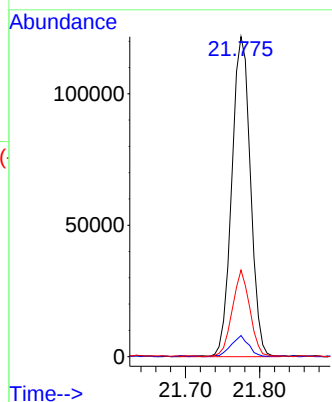
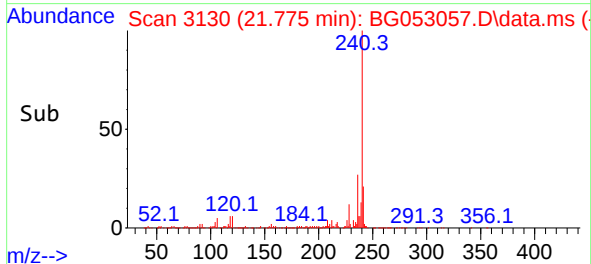
Instrument :
BNA_G
ClientSampleId :
A10015



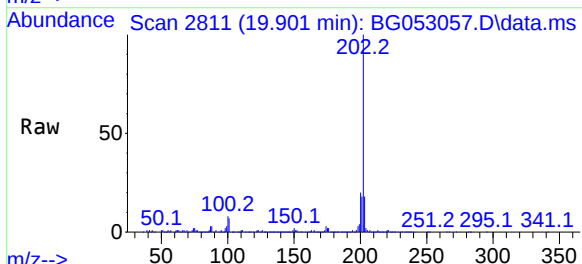
Tgt Ion:240 Resp: 212785
Ion Ratio Lower Upper
240 100
120 6.6 5.4 8.0
236 27.1 19.8 29.6

Manual Integrations
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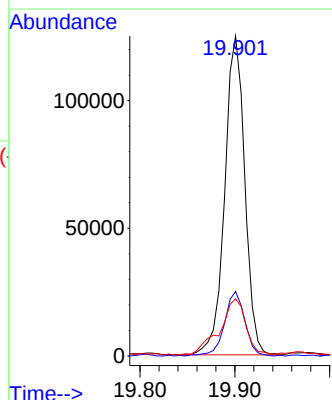
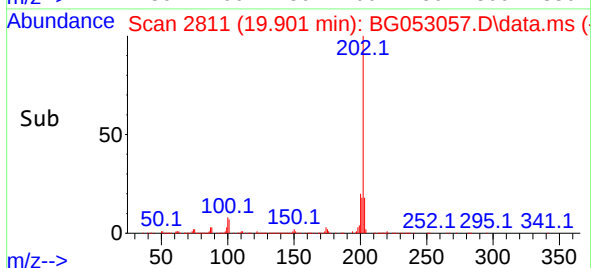
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

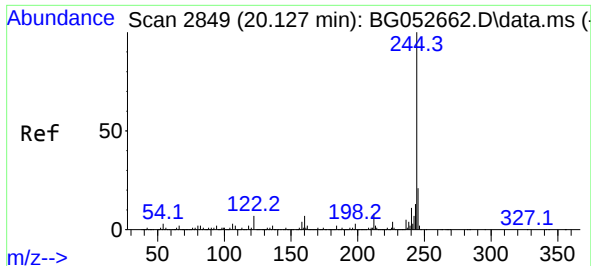


#78
Pyrene
Concen: 12.448 ng
RT: 19.901 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29



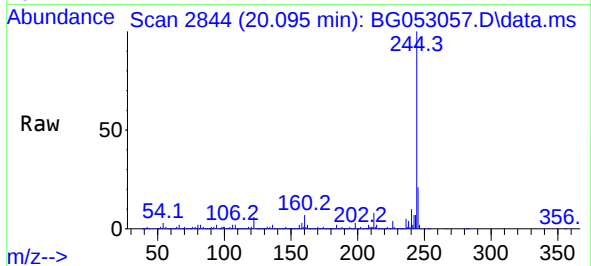
Tgt Ion:202 Resp: 183735
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.6
203 17.9 15.0 22.6





#79
 Terphenyl-d14
 Concen: 63.692 ng
 RT: 20.095 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG053057.D
 Acq: 6 Apr 2022 16:29

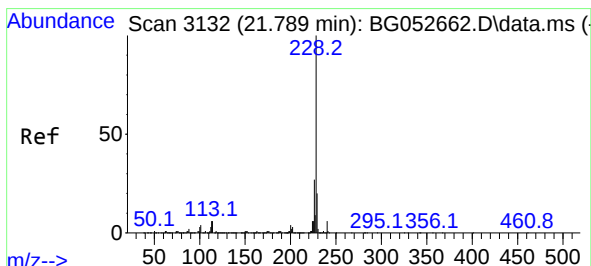
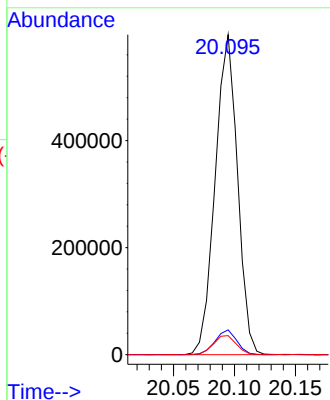
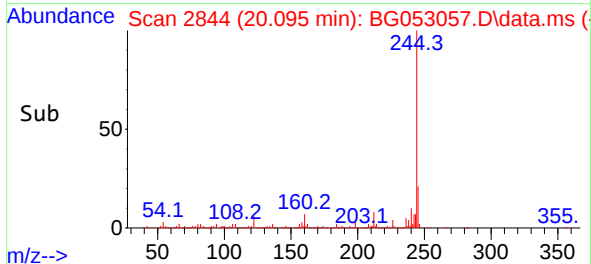
Instrument :
 BNA_G
 ClientSampleId :
 A10015



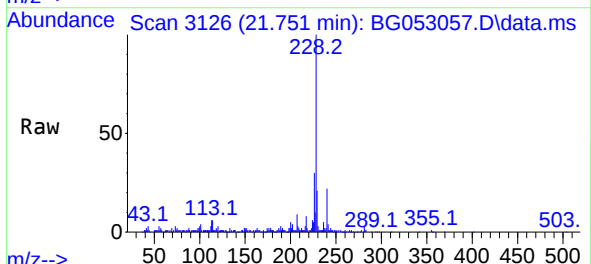
Tgt Ion:244 Resp: 76188
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.4 8.2
 122 6.0 5.8 8.6

Manual Integrations
 APPROVED

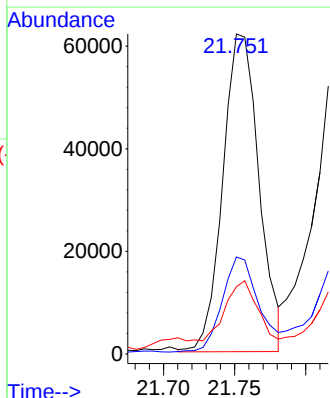
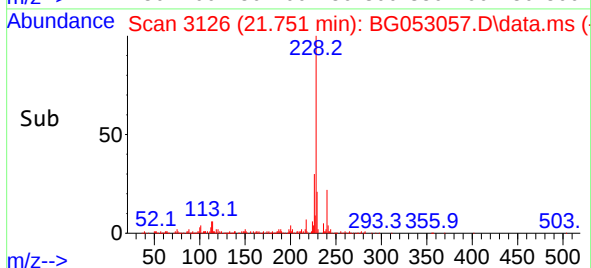
Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

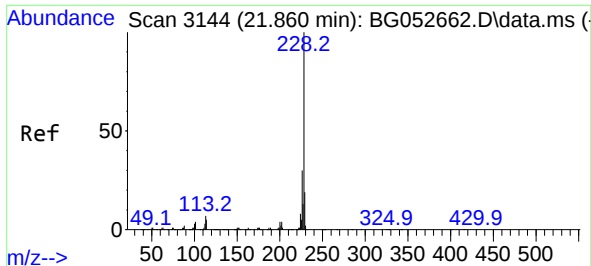


#81
 Benzo(a)anthracene
 Concen: 7.716 ng
 RT: 21.751 min Scan# 3126
 Delta R.T. -0.005 min
 Lab File: BG053057.D
 Acq: 6 Apr 2022 16:29



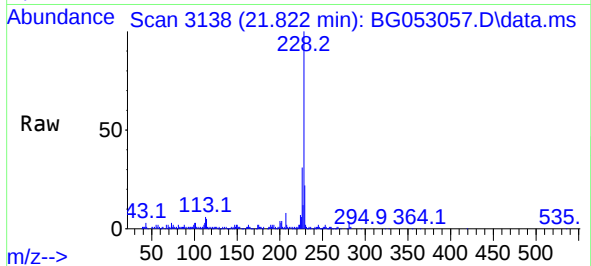
Tgt Ion:228 Resp: 109946
 Ion Ratio Lower Upper
 228 100
 226 30.3 21.4 32.0
 229 21.0 16.7 25.1





#83
Chrysene
Concen: 8.529 ng
RT: 21.822 min Scan# 3144
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

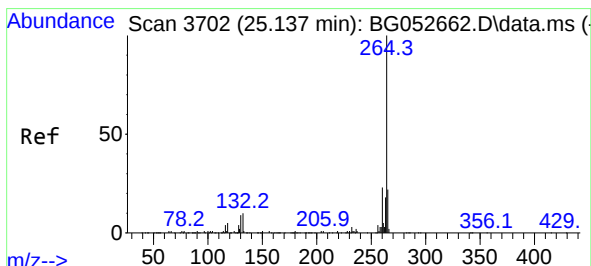
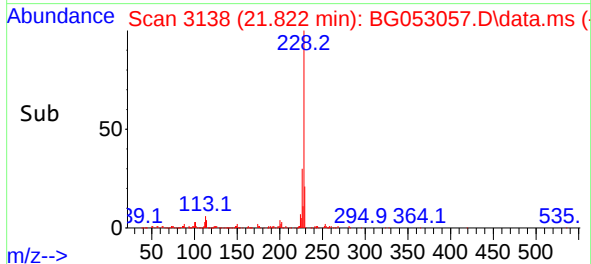
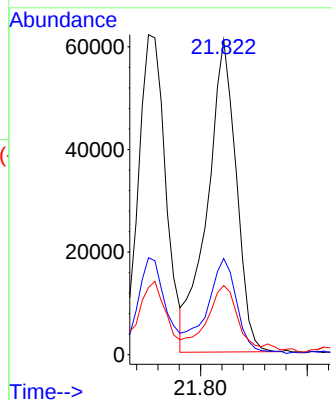
Instrument :
BNA_G
ClientSampleId :
A10015



Tgt Ion:228 Resp: 11425
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 21.9 16.3 24.5

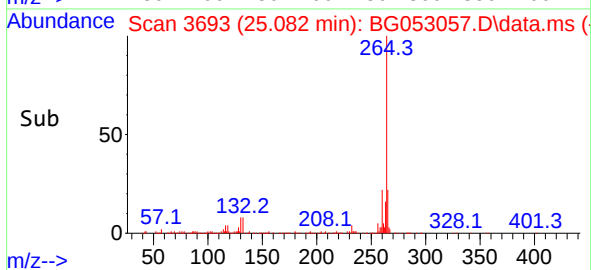
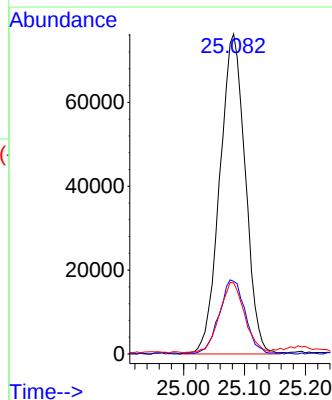
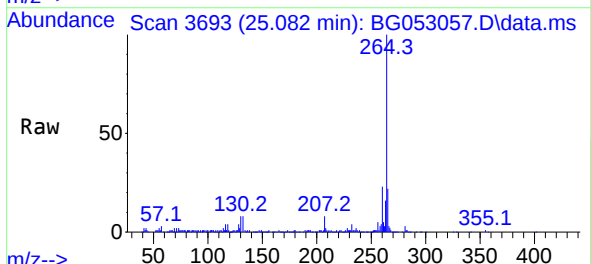
Manual Integrations
APPROVED

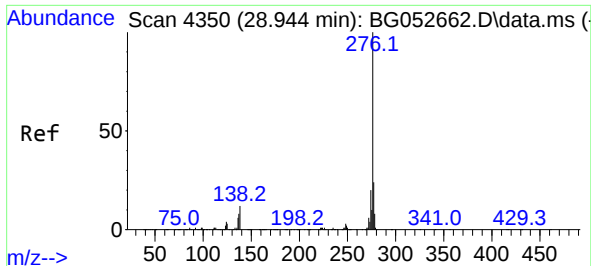
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.082 min Scan# 3693
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

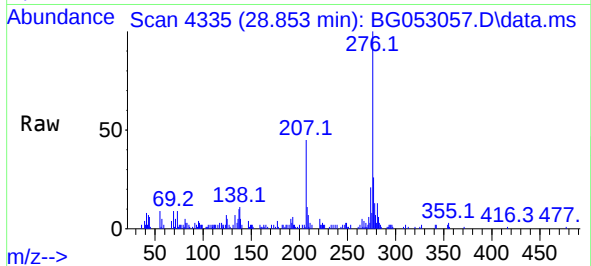
Tgt Ion:264 Resp: 221505
Ion Ratio Lower Upper
264 100
260 22.7 18.2 27.2
265 22.2 15.1 22.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.363 ng
RT: 28.853 min Scan# 41
Delta R.T. -0.017 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

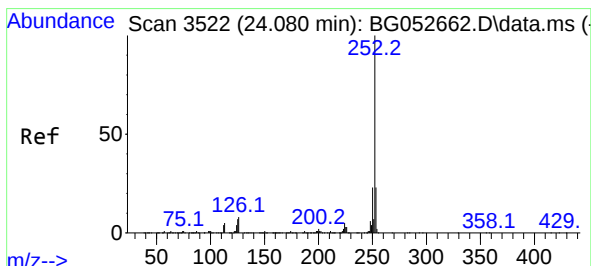
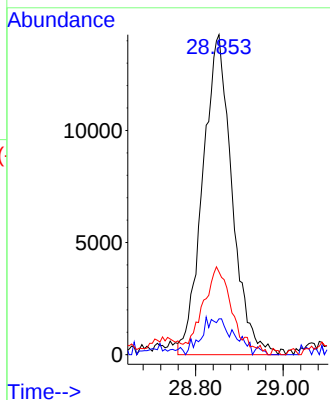
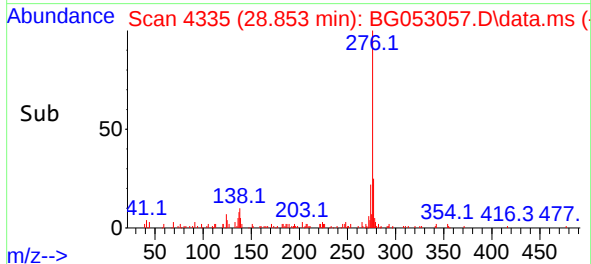
Instrument :
BNA_G
ClientSampleId :
A10015



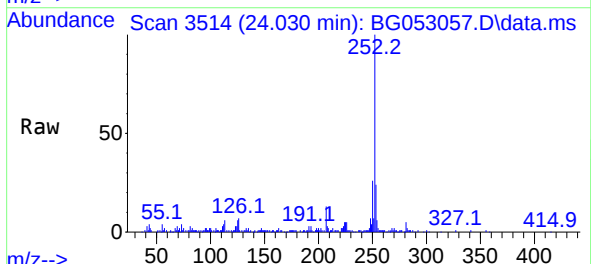
Tgt Ion: 276 Resp: 6615
Ion Ratio Lower Upper
276 100
138 0.0 8.7 13.1
277 27.8 20.2 30.4

Manual Integrations
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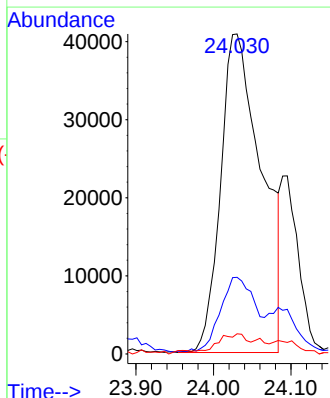
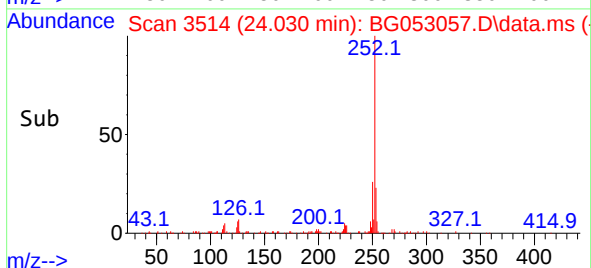
Reviewed By : Christian Giraldo 04/07/2022
Supervised By : Jagrut Upadhyay 04/07/2022

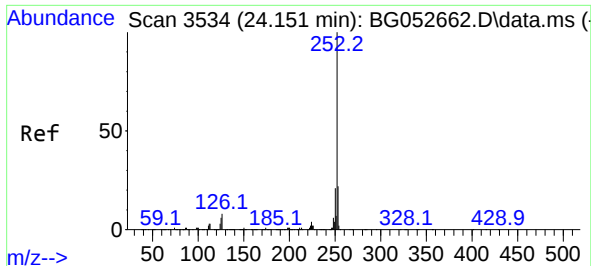


#88
Benzo(b)fluoranthene
Concen: 10.932 ng
RT: 24.030 min Scan# 3514
Delta R.T. 0.001 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29



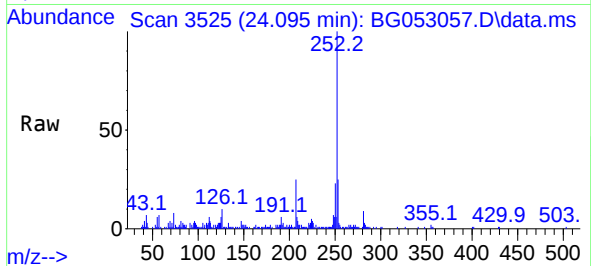
Tgt Ion: 252 Resp: 150356
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 6.3 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 2.640 ng m
RT: 24.095 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29

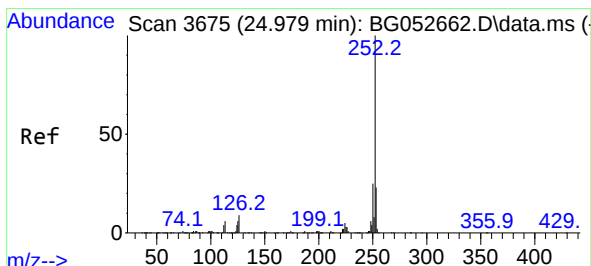
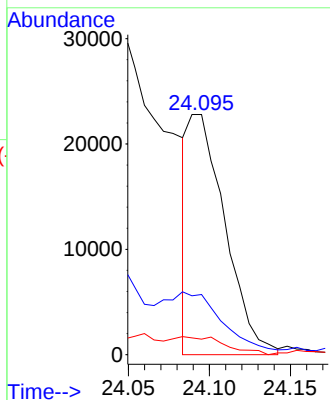
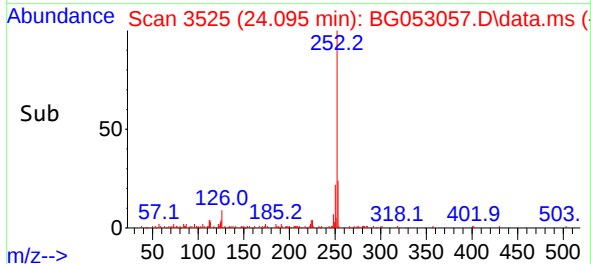
Instrument :
BNA_G
ClientSampleId :
A10015



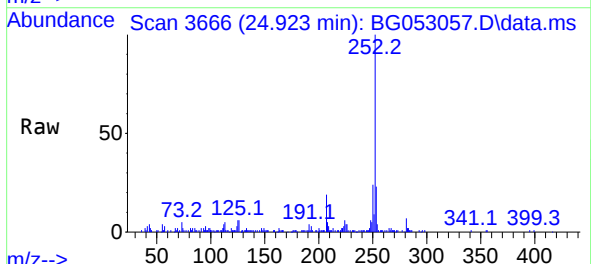
Tgt Ion:252 Resp: 3572
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 6.5 5.0 7.4

Manual Integrations
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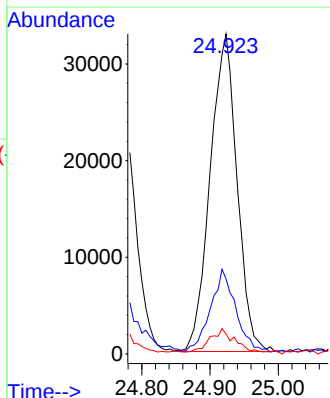
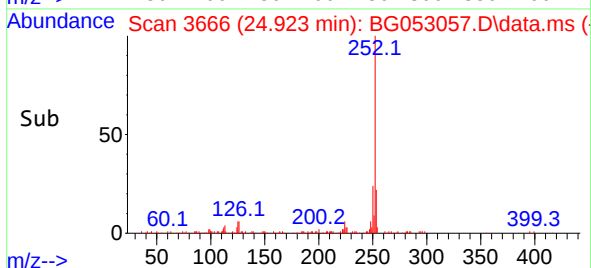
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

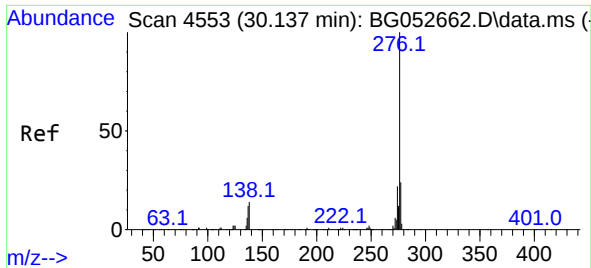


#90
Benzo(a)pyrene
Concen: 7.739 ng
RT: 24.923 min Scan# 3666
Delta R.T. -0.005 min
Lab File: BG053057.D
Acq: 6 Apr 2022 16:29



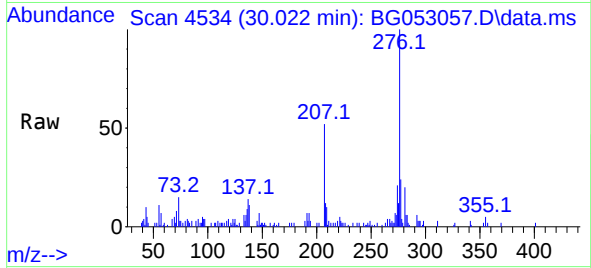
Tgt Ion:252 Resp: 90091
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 6.2 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.847 ng
 RT: 30.022 min Scan# 4534
 Delta R.T. -0.029 min
 Lab File: BG053057.D
 Acq: 6 Apr 2022 16:29

Instrument :
 BNA_G
 ClientSampleId :
 A10015



Tgt Ion: 276 Resp: 59919

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.2	27.2
138	11.3	9.1	13.7

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

