

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
 Data File : BG053733.D
 Acq On : 27 May 2022 14:52
 Operator : CG/JU
 Sample : N3056-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-12

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/31/2022
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 28 01:56:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 15:11:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	22068	20.000	ng	-0.03
21) Naphthalene-d8	10.765	136	85758	20.000	ng	-0.04
39) Acenaphthene-d10	14.595	164	64575	20.000	ng	-0.03
64) Phenanthrene-d10	17.338	188	149011	20.000	ng	-0.04
76) Chrysene-d12	21.597	240	148465	20.000	ng	-0.04
86) Perylene-d12	24.781	264	151941	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.519	112	74208	57.069	ng	-0.04
7) Phenol-d6	7.135	99	66529	33.713	ng	-0.03
23) Nitrobenzene-d5	9.120	82	180450	89.572	ng	-0.04
42) 2,4,6-Tribromophenol	16.087	330	124117	130.319	ng	-0.03
45) 2-Fluorobiphenyl	13.214	172	407363	92.183	ng	-0.03
79) Terphenyl-d14	19.952	244	632500	79.346	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.835	128	3208325	735.468	ng	# 93
37) 2-Methylnaphthalene	12.421	142	451202	138.598	ng	98
38) 1-Methylnaphthalene	12.651	142	1193724m	375.828	ng	
46) 1,1'-Biphenyl	13.426	154	240535	54.646	ng	99
49) Acenaphthylene	14.319	152	25868	4.701	ng	# 71
52) Acenaphthene	14.660	154	246251	75.087	ng	98
55) Dibenzofuran	14.994	168	17546	2.979	ng	# 93
58) Fluorene	15.641	166	129874	27.474	ng	98
71) Phenanthrene	17.385	178	342756	45.237	ng	98
72) Anthracene	17.473	178	76378	10.256	ng	99
73) Carbazole	17.744	167	17108	2.344	ng	97
75) Fluoranthene	19.394	202	36048	3.674	ng	97
78) Pyrene	19.759	202	71755	7.466	ng	98

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

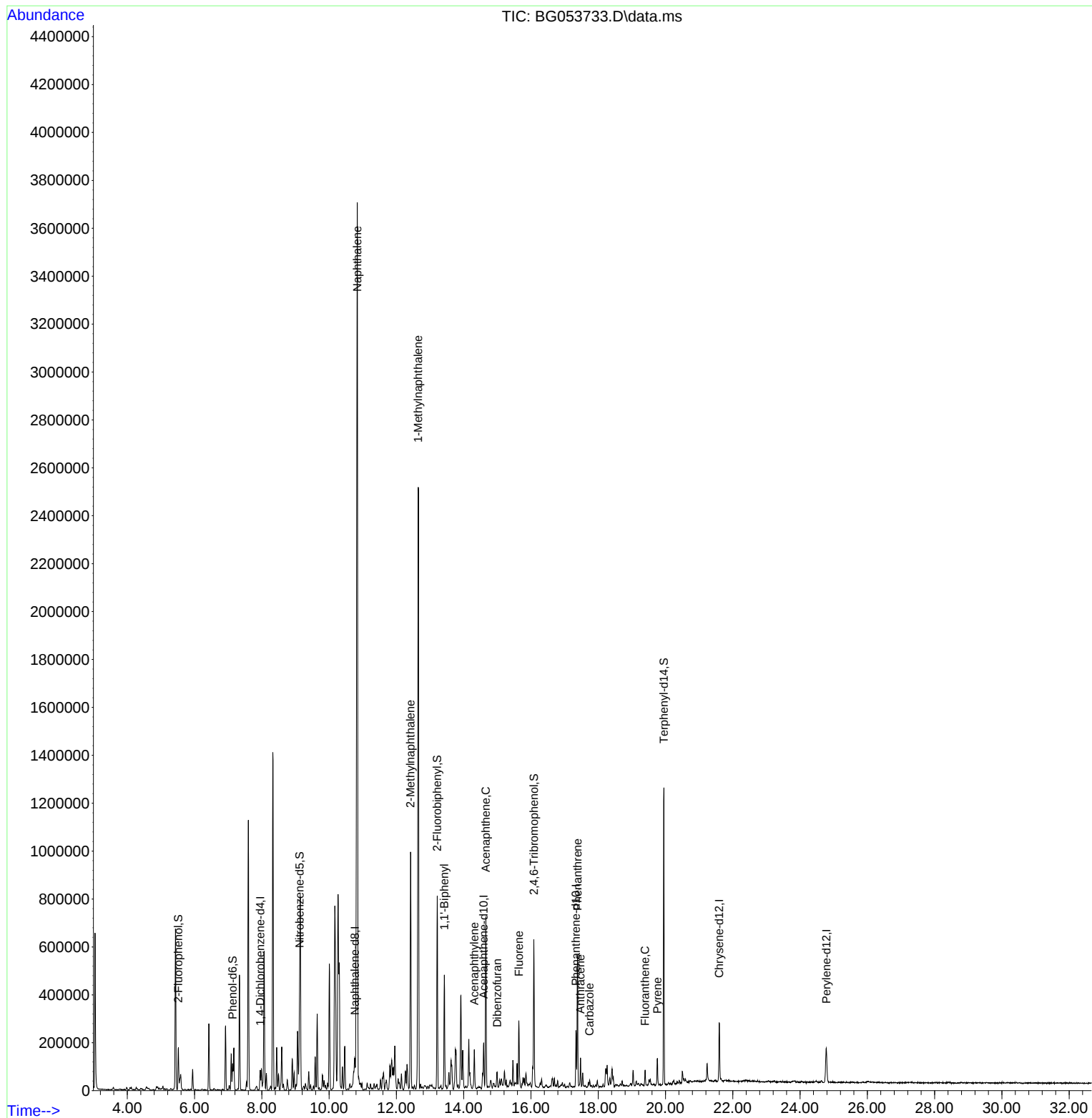
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052722\
Data File : BG053733.D
Acq On : 27 May 2022 14:52
Operator : CG/JU
Sample : N3056-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

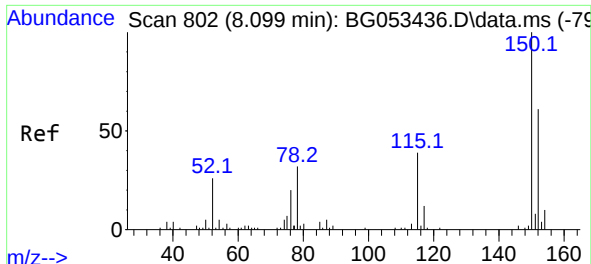
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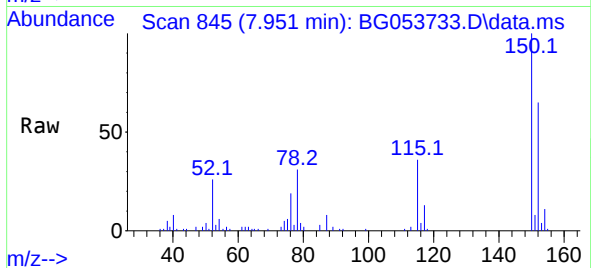
Quant Time: May 28 01:56:41 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 15:11:41 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.951 min Scan# 84
Delta R.T. -0.035 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

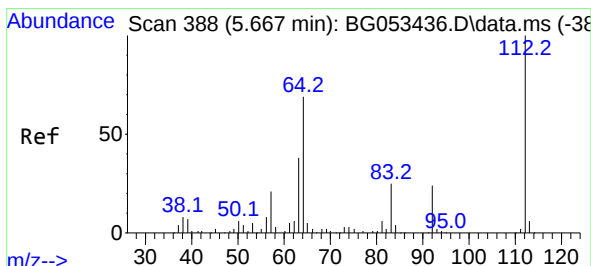
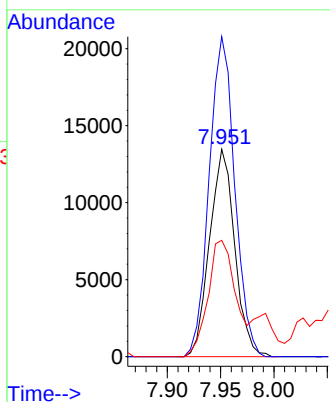
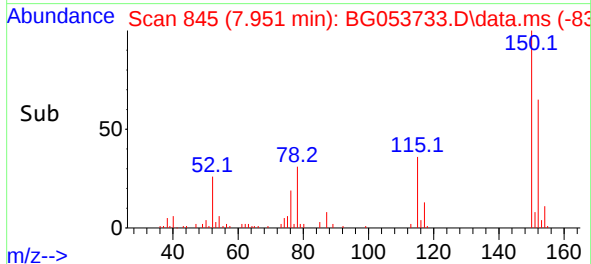
Instrument :
BNA_G
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MW-12



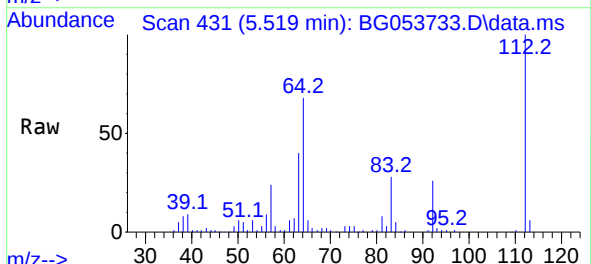
Tgt Ion:152 Resp: 22068
Ion Ratio Lower Upper
152 100
150 154.3 131.6 197.4
115 56.1 50.9 76.3

Manual Integrations
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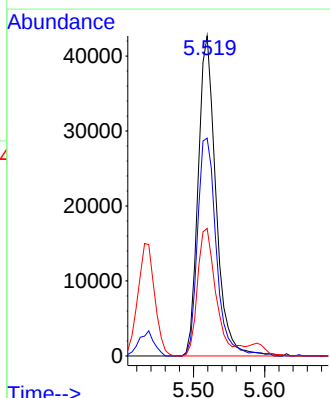
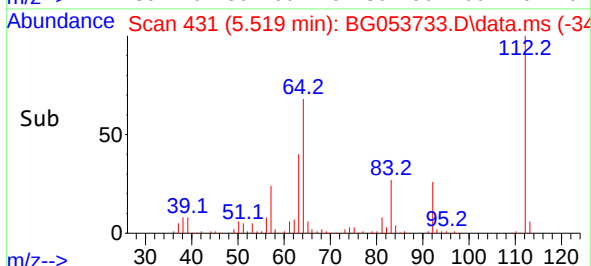
Reviewed By :Christian Giraldo 05/31/2022
Supervised By :Jagrut Upadhyay 05/31/2022

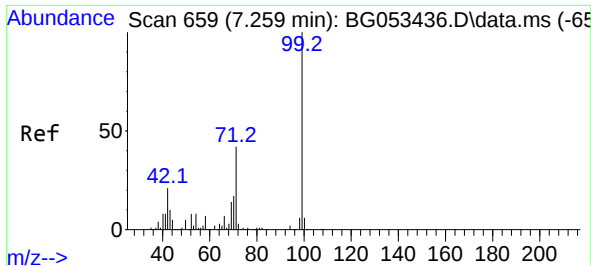


#5
2-Fluorophenol
Concen: 57.069 ng
RT: 5.519 min Scan# 431
Delta R.T. -0.035 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52



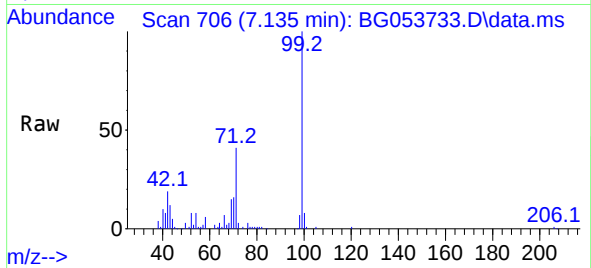
Tgt Ion:112 Resp: 74208
Ion Ratio Lower Upper
112 100
64 68.1 55.1 82.7
63 39.8 30.4 45.6





#7
Phenol-d6
Concen: 33.713 ng
RT: 7.135 min Scan# 706
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

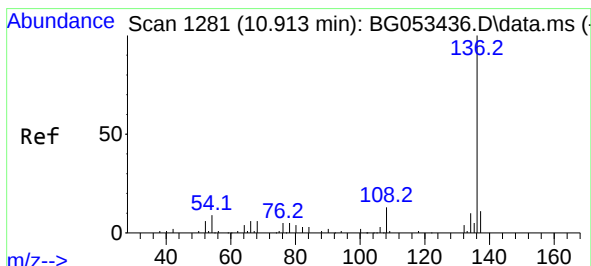
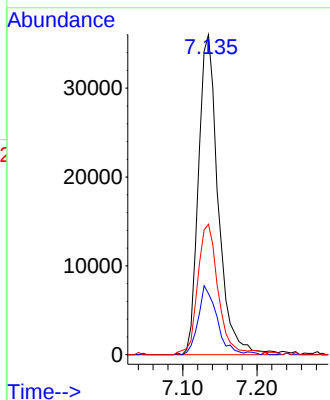
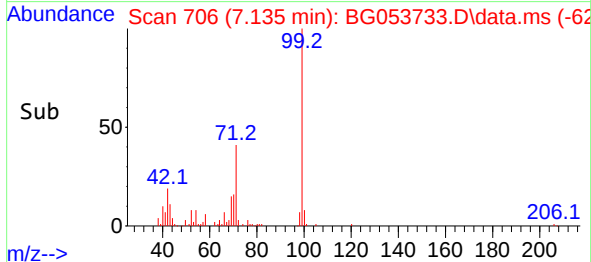
Instrument :
BNA_G
ClientSampleId :
MW-12



Tgt Ion: 99 Resp: 66529
Ion Ratio Lower Upper
99 100
42 19.1 17.0 25.6
71 40.8 33.8 50.8

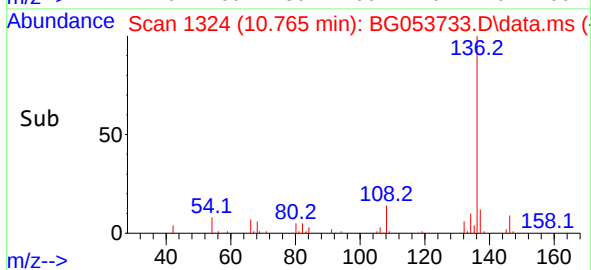
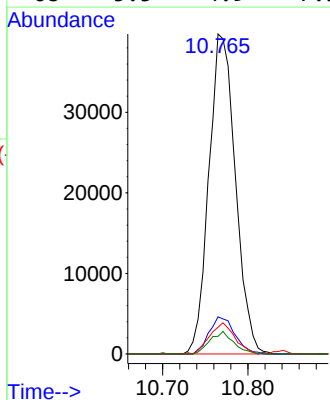
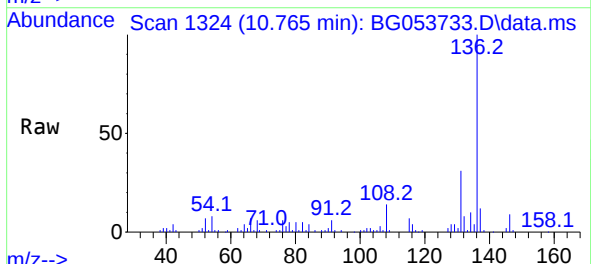
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.765 min Scan# 1324
Delta R.T. -0.035 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

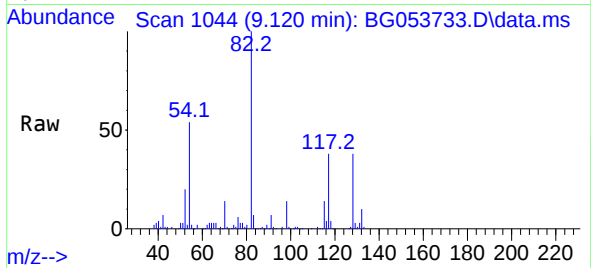
Tgt Ion:136 Resp: 85758
Ion Ratio Lower Upper
136 100
137 11.6 8.5 12.7
54 8.3 7.4 11.2
68 5.5 4.9 7.3





#23
Nitrobenzene-d5
Concen: 89.572 ng
RT: 9.120 min Scan# 1044
Delta R.T. -0.035 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

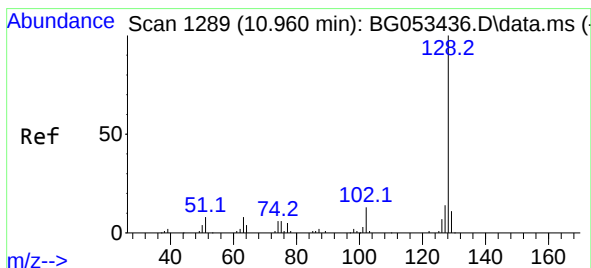
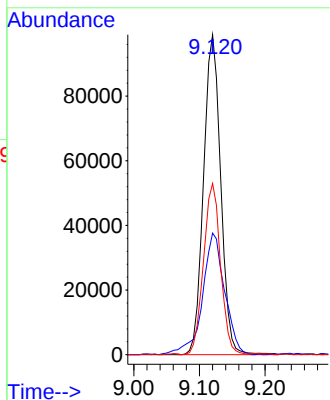
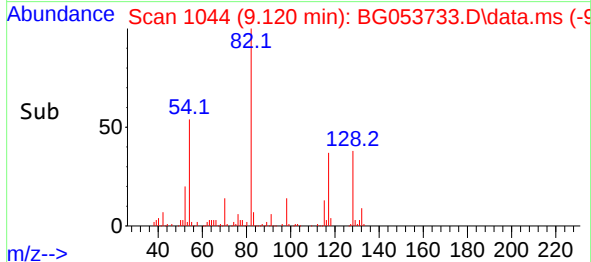
Instrument :
BNA_G
ClientSampleId :
MW-12



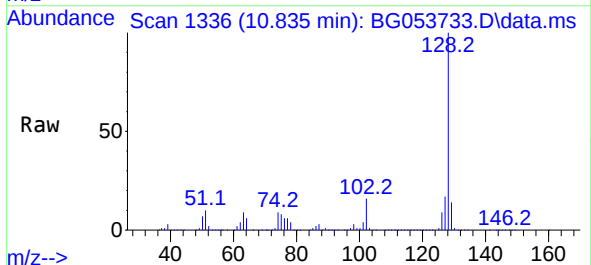
Tgt Ion: 82 Resp: 180450
Ion Ratio Lower Upper
82 100
128 38.0 27.9 41.9
54 53.5 41.2 61.8

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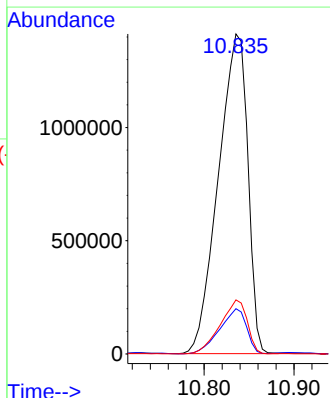
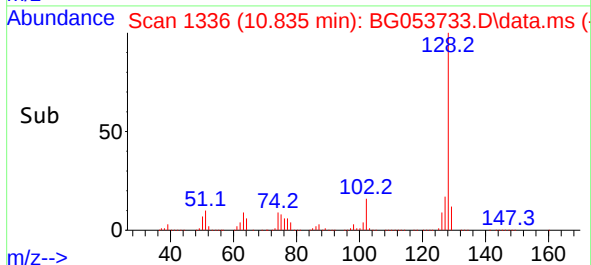
Reviewed By :Christian Giraldo 05/31/2022
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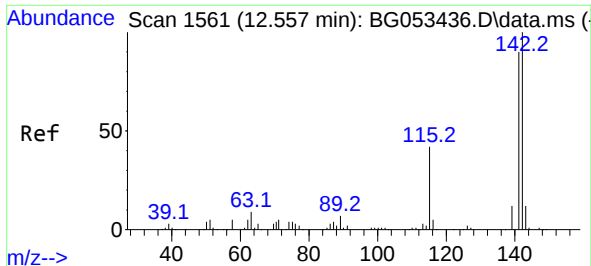


#31
Naphthalene
Concen: 735.468 ng
RT: 10.835 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52



Tgt Ion:128 Resp: 3208325
Ion Ratio Lower Upper
128 100
129 14.2 9.0 13.6#
127 16.9 11.1 16.7#





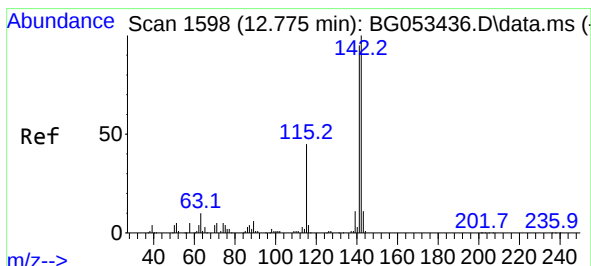
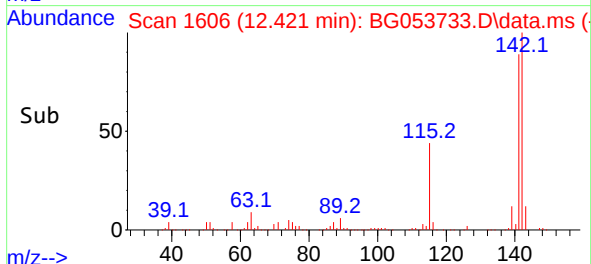
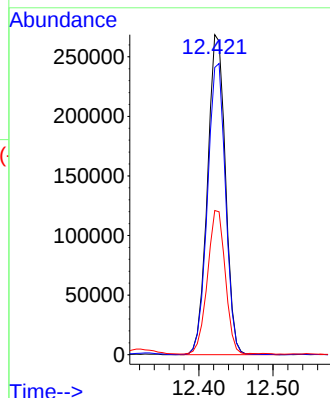
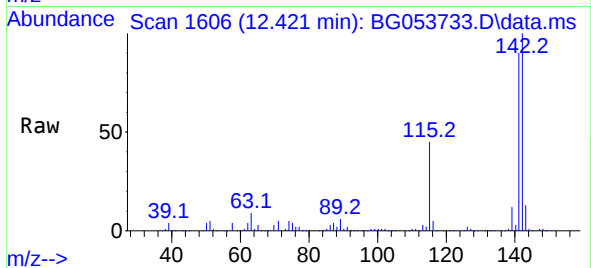
#37
2-Methylnaphthalene
Concen: 138.598 ng
RT: 12.421 min Scan# 1
Delta R.T. -0.035 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:142 Resp: 45120
Ion Ratio Lower Upper
142 100
141 89.8 72.3 108.5
115 45.0 33.7 50.5

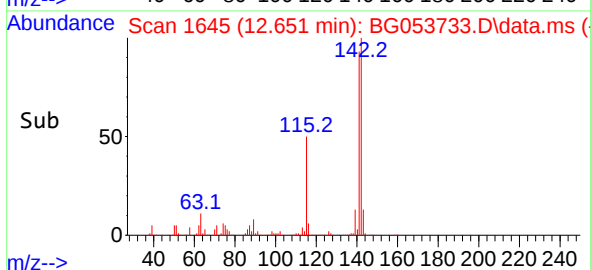
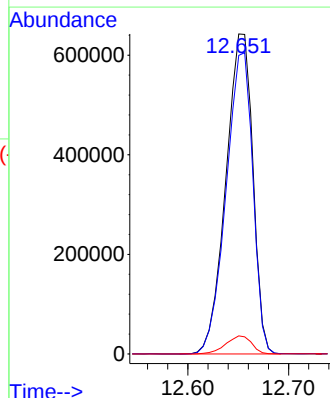
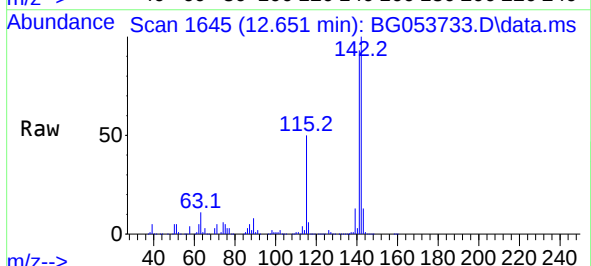
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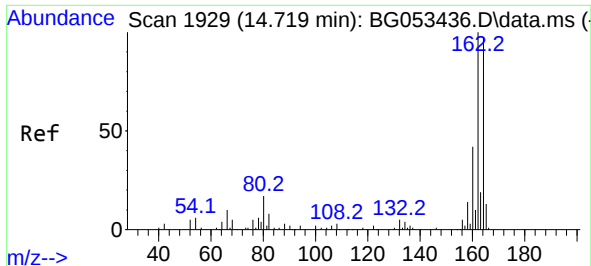
Reviewed By :Christian Giraldo 05/31/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#38
1-Methylnaphthalene
Concen: 375.828 ng m
RT: 12.651 min Scan# 1645
Delta R.T. -0.023 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

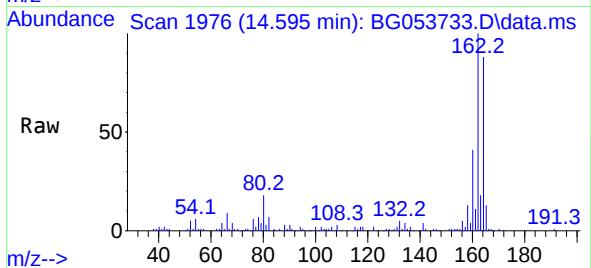
Tgt Ion:142 Resp: 1193724
Ion Ratio Lower Upper
142 100
141 93.3 76.4 114.6
116 5.6 3.3 4.9#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1929
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

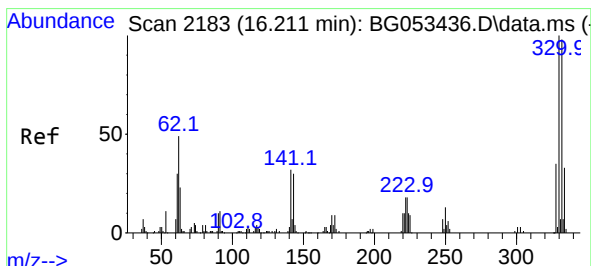
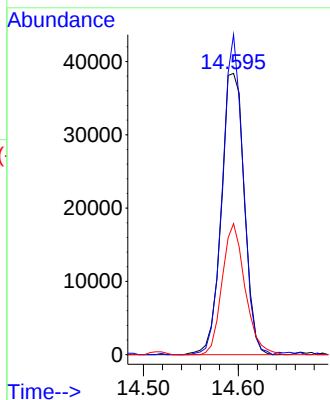
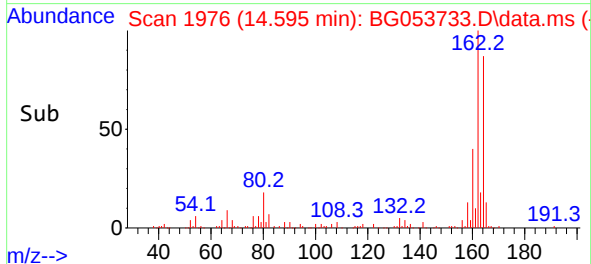
Instrument :
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ClientSampleId :
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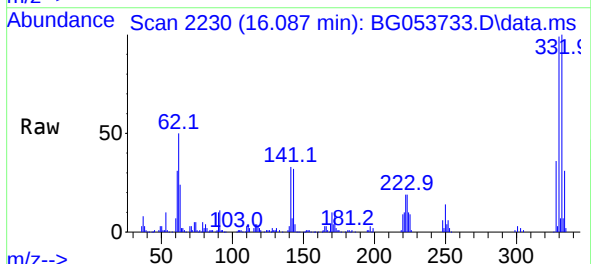
Tgt Ion:164 Resp: 6457
Ion Ratio Lower Upper
164 100
162 113.8 82.3 123.5
160 46.6 34.2 51.2

Manual Integrations
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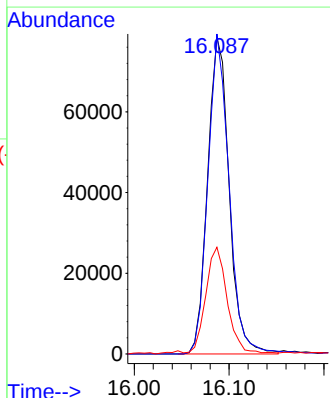
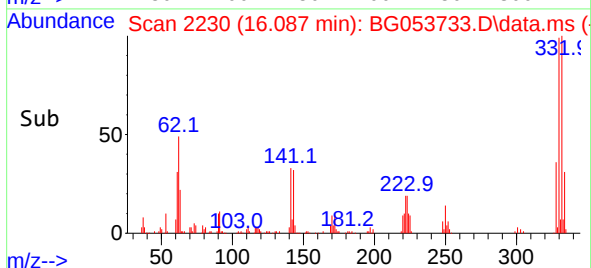
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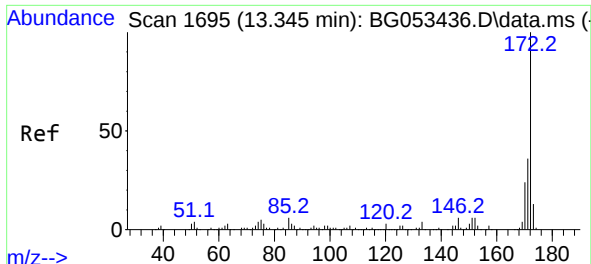


#42
2,4,6-Tribromophenol
Concen: 130.319 ng
RT: 16.087 min Scan# 2230
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52



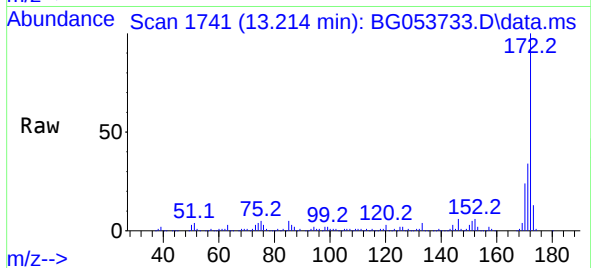
Tgt Ion:330 Resp: 124117
Ion Ratio Lower Upper
330 100
332 99.5 76.0 114.0
141 34.4 27.1 40.7





#45
2-Fluorobiphenyl
Concen: 92.183 ng
RT: 13.214 min Scan# 1770
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

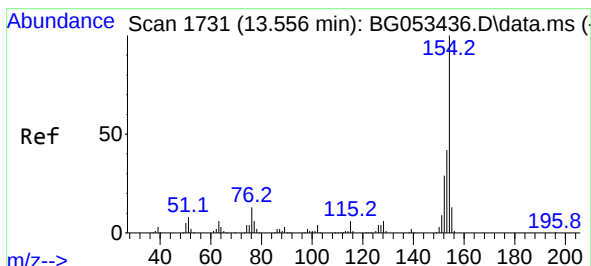
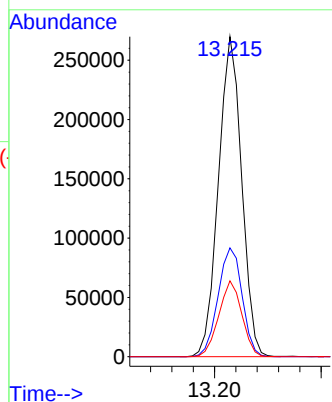
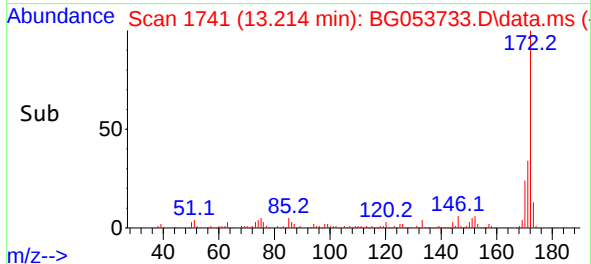
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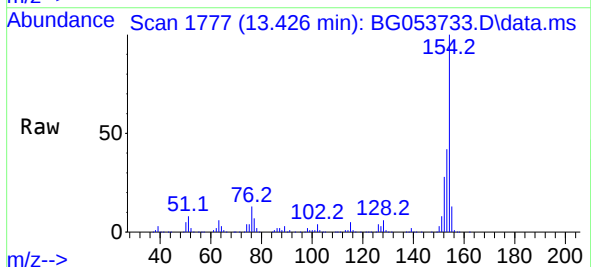
Tgt Ion:172 Resp: 40736
Ion Ratio Lower Upper
172 100
171 34.0 28.5 42.7
170 23.7 18.9 28.3

Manual Integrations
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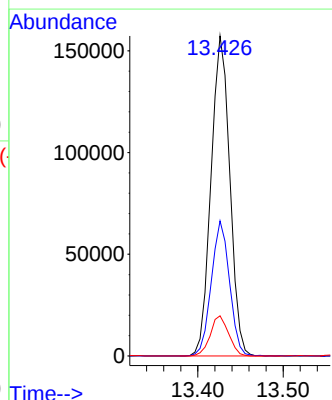
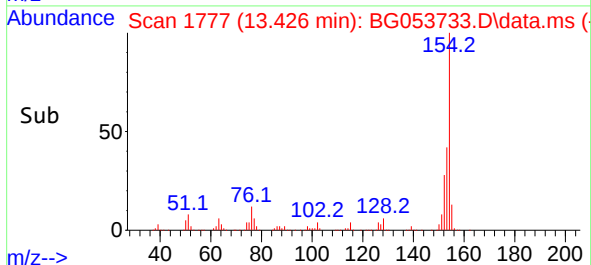
Reviewed By :Christian Giraldo 05/31/2022
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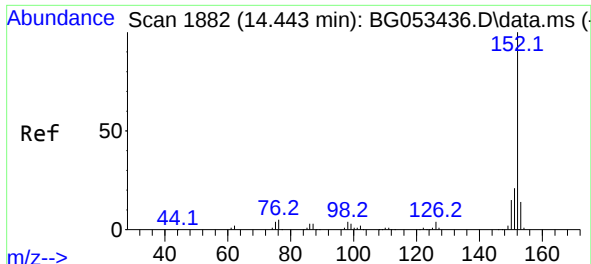


#46
1,1'-Biphenyl
Concen: 54.646 ng
RT: 13.426 min Scan# 1777
Delta R.T. -0.035 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52



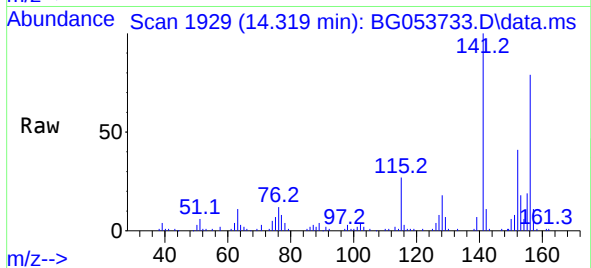
Tgt Ion:154 Resp: 240535
Ion Ratio Lower Upper
154 100
153 42.2 21.6 61.6
76 12.6 0.0 32.6





#49
Acenaphthylene
Concen: 4.701 ng
RT: 14.319 min Scan# 1929
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

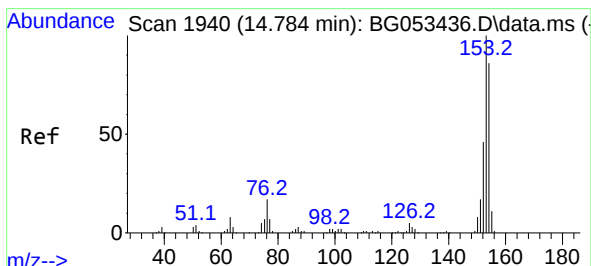
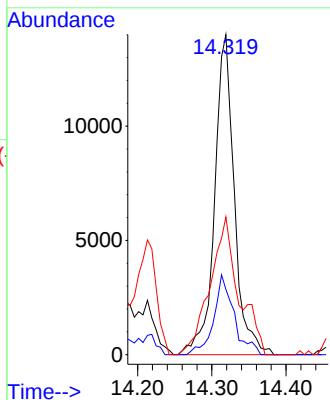
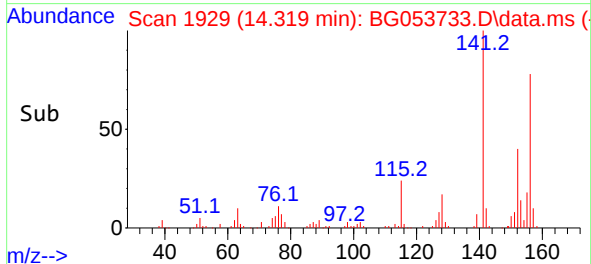
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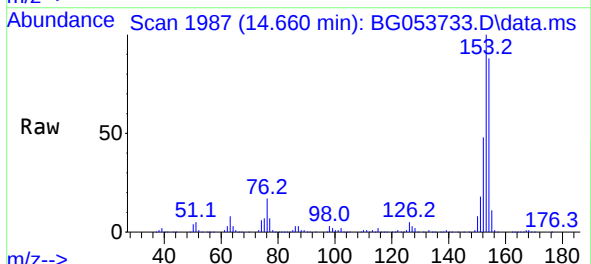
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Ion Ratio Lower Upper
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151 20.4 16.4 24.6
153 43.0 10.8 16.2

Manual Integrations
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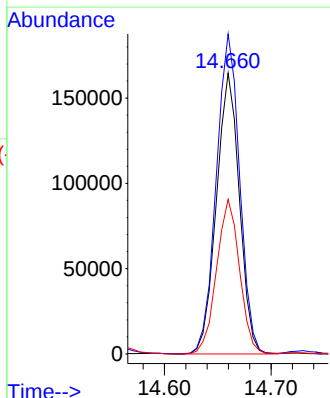
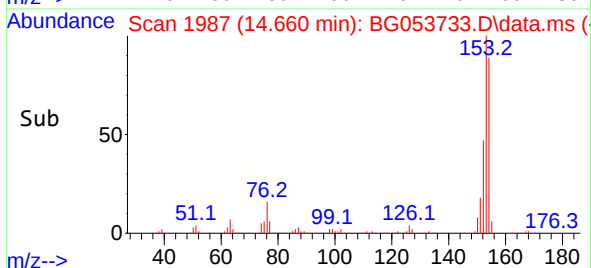
Reviewed By :Christian Giraldo 05/31/2022
Supervised By :Jagrut Upadhyay 05/31/2022

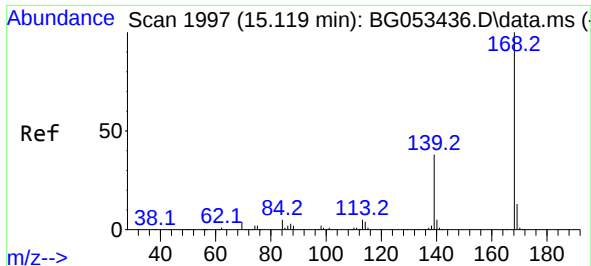


#52
Acenaphthene
Concen: 75.087 ng
RT: 14.660 min Scan# 1987
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52



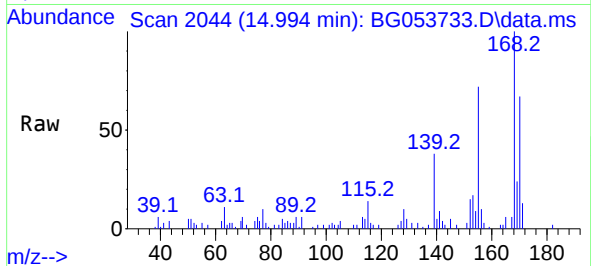
Tgt Ion:154 Resp: 246251
Ion Ratio Lower Upper
154 100
153 113.9 92.7 139.1
152 55.0 42.6 64.0





#55
Dibenzenofuran
Concen: 2.979 ng
RT: 14.994 min Scan# 2044
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

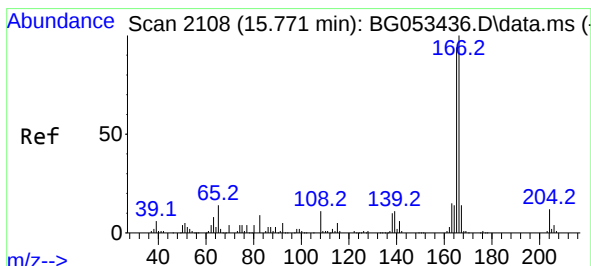
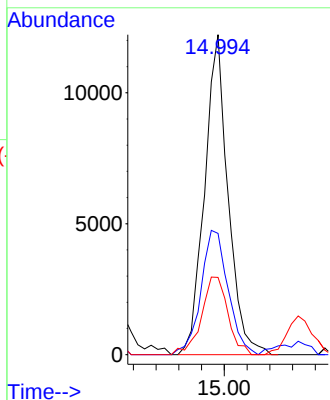
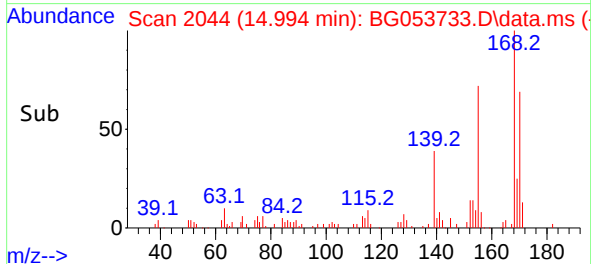
Instrument :
BNA_G
ClientSampleId :
MW-12



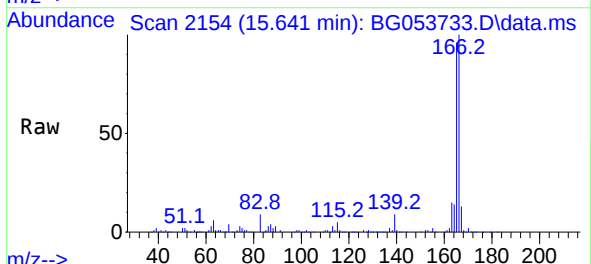
Tgt Ion:168 Resp: 17540
Ion Ratio Lower Upper
168 100
139 37.9 30.5 45.7
169 24.2 10.3 15.5

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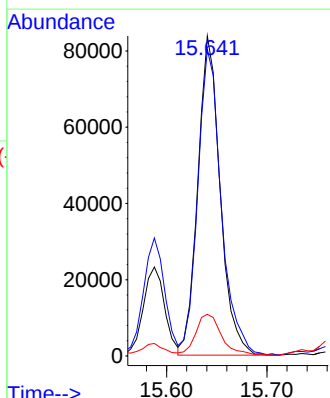
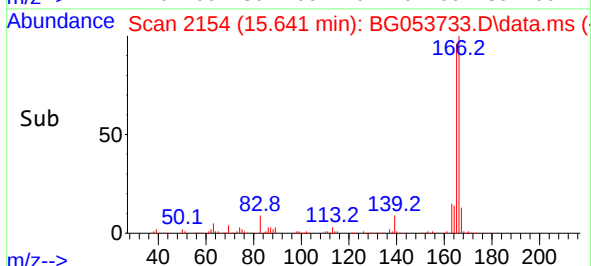
Reviewed By :Christian Giraldo 05/31/2022
Supervised By :Jagrut Upadhyay 05/31/2022

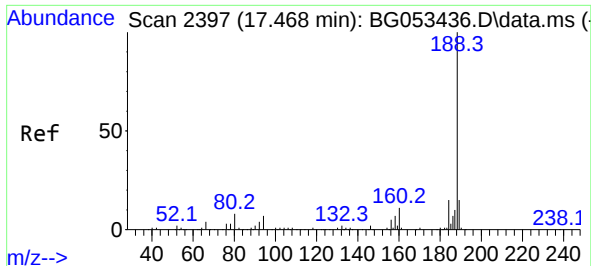


#58
Fluorene
Concen: 27.474 ng
RT: 15.641 min Scan# 2154
Delta R.T. -0.035 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52



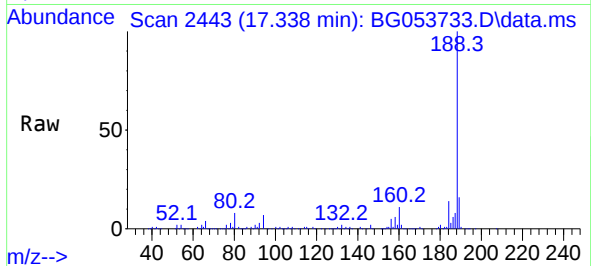
Tgt Ion:166 Resp: 129874
Ion Ratio Lower Upper
166 100
165 95.9 75.0 112.6
167 13.0 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.338 min Scan# 2443
Delta R.T. -0.035 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

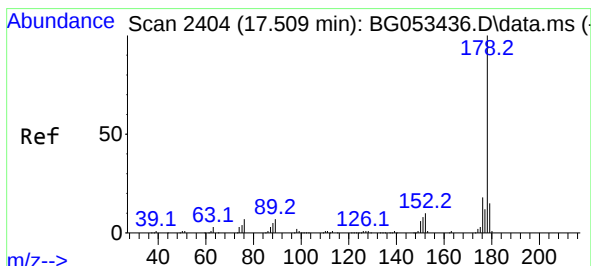
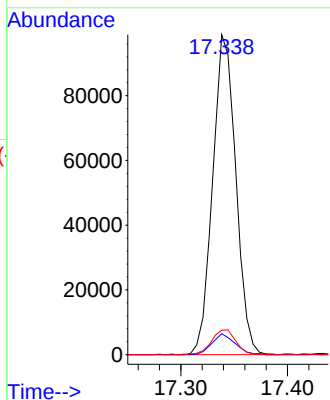
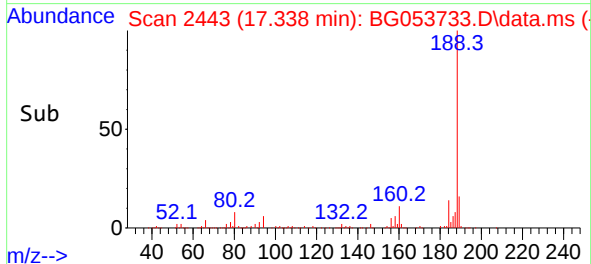
Instrument :
BNA_G
ClientSampleId :
MW-12



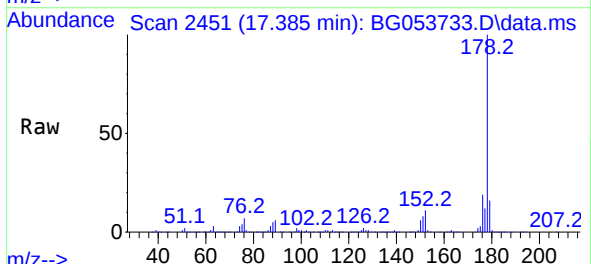
Tgt Ion:188 Resp: 14901
Ion Ratio Lower Upper
188 100
94 6.5 5.4 8.0
80 7.6 6.8 10.2

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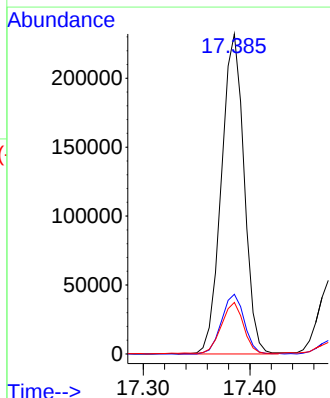
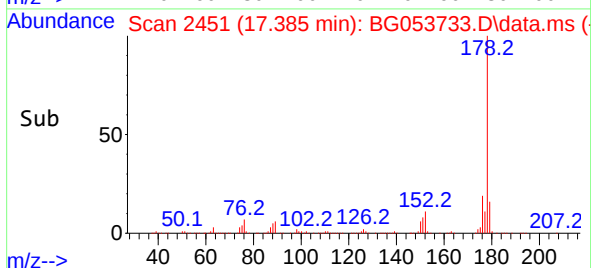
Reviewed By :Christian Giraldo 05/31/2022
Supervised By :Jagrut Upadhyay 05/31/2022

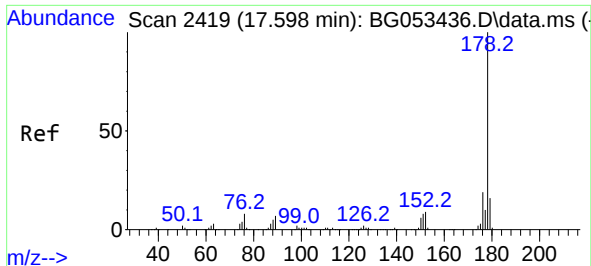


#71
Phenanthrene
Concen: 45.237 ng
RT: 17.385 min Scan# 2451
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52



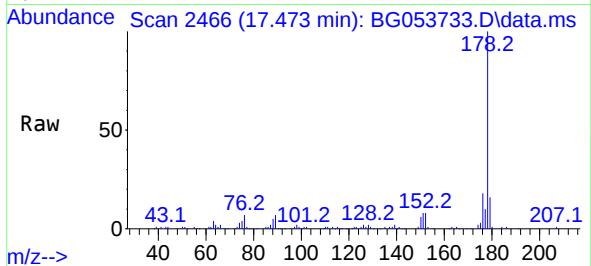
Tgt Ion:178 Resp: 342756
Ion Ratio Lower Upper
178 100
176 18.7 14.1 21.1
179 16.1 12.1 18.1





#72
 Anthracene
 Concen: 10.256 ng
 RT: 17.473 min Scan# 2419
 Delta R.T. -0.029 min
 Lab File: BG053733.D
 Acq: 27 May 2022 14:52

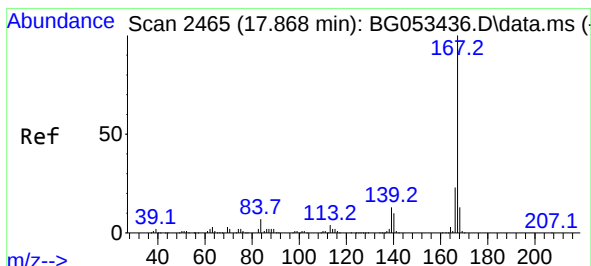
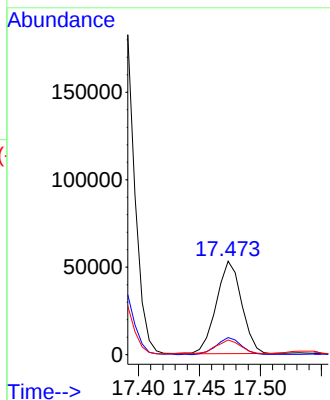
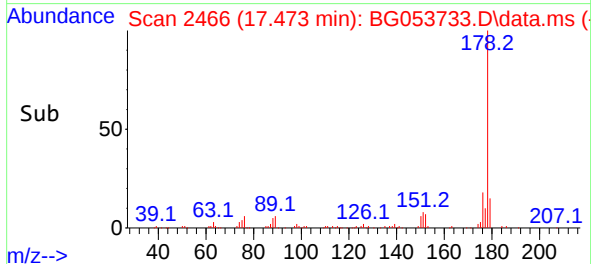
Instrument :
 BNA_G
 ClientSampleId :
 MW-12



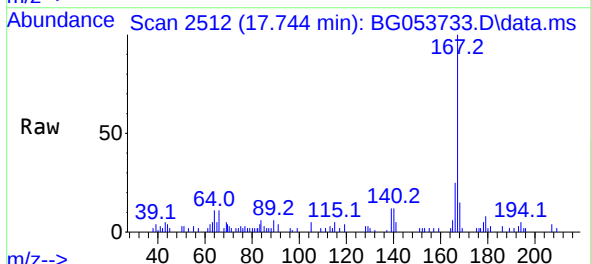
Tgt Ion:178 Resp: 76378
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.2 22.8
 179 15.7 13.0 19.4

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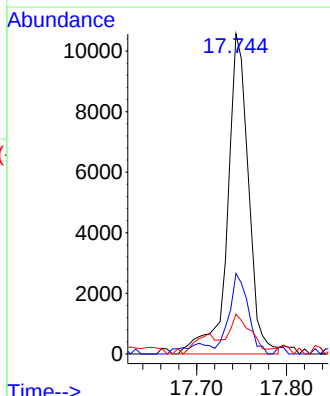
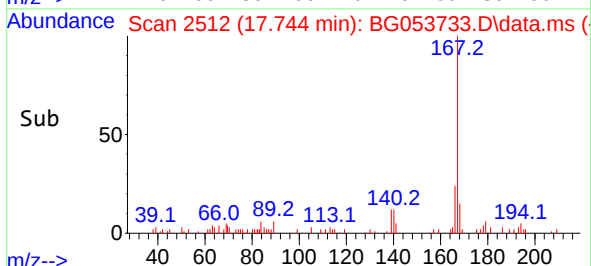
Reviewed By :Christian Giraldo 05/31/2022
 Supervised By :Jagrut Upadhyay 05/31/2022

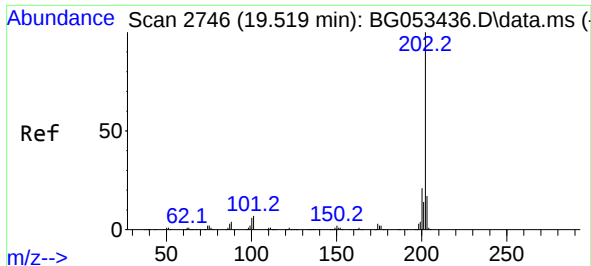


#73
 Carbazole
 Concen: 2.344 ng
 RT: 17.744 min Scan# 2512
 Delta R.T. -0.035 min
 Lab File: BG053733.D
 Acq: 27 May 2022 14:52



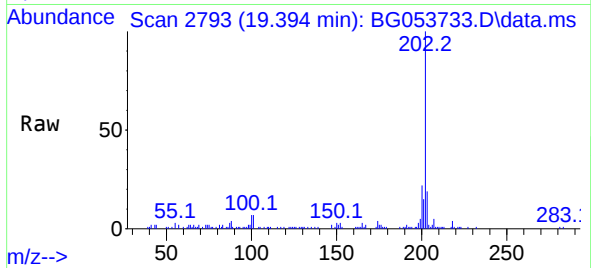
Tgt Ion:167 Resp: 17108
 Ion Ratio Lower Upper
 167 100
 166 25.1 18.2 27.2
 139 12.4 10.1 15.1





#75
Fluoranthene
Concen: 3.674 ng
RT: 19.394 min Scan# 21
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

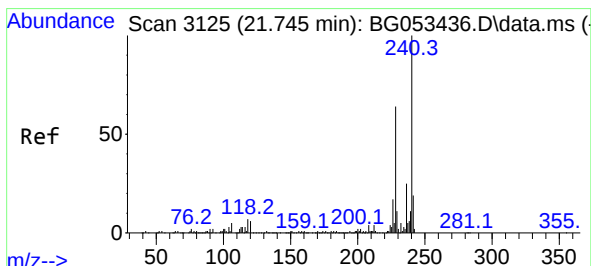
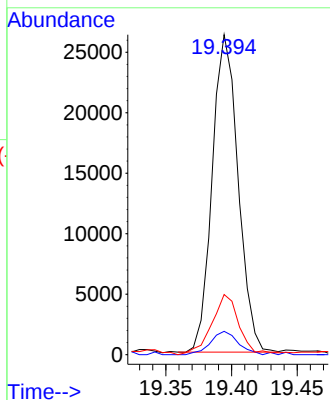
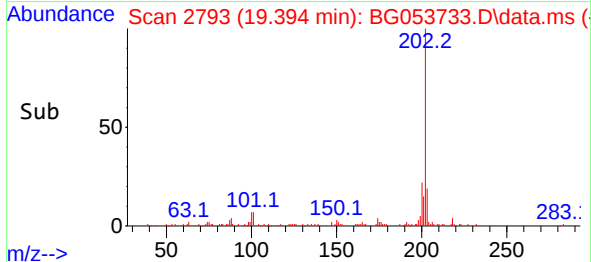
Instrument :
BNA_G
ClientSampleId :
MW-12



Tgt Ion:202 Resp: 3604
Ion Ratio Lower Upper
202 100
101 7.3 0.0 26.9
203 18.8 0.0 37.2

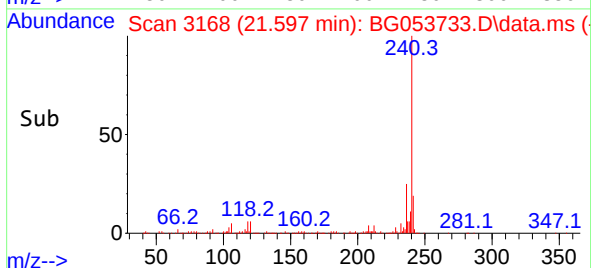
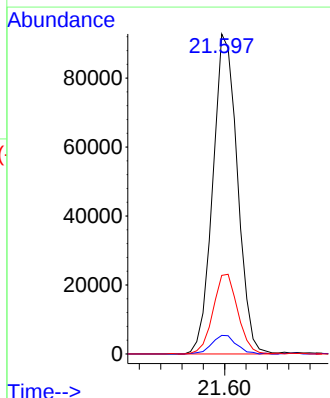
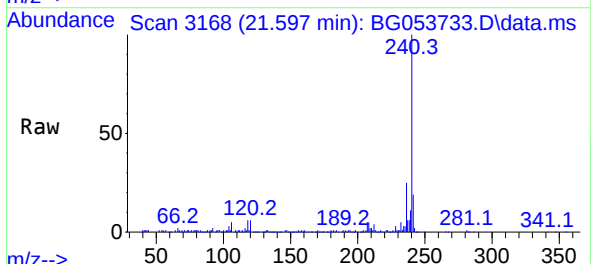
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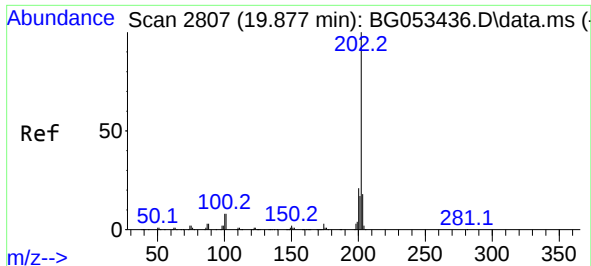
Reviewed By :Christian Giraldo 05/31/2022
Supervised By :Jagrut Upadhyay 05/31/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.597 min Scan# 3168
Delta R.T. -0.041 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

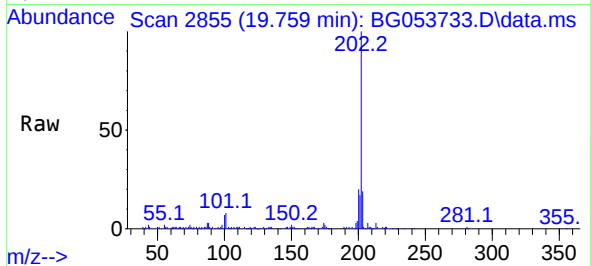
Tgt Ion:240 Resp: 148465
Ion Ratio Lower Upper
240 100
120 5.8 4.6 7.0
236 24.6 20.2 30.4





#78
Pyrene
Concen: 7.466 ng
RT: 19.759 min Scan# 21
Delta R.T. -0.029 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52

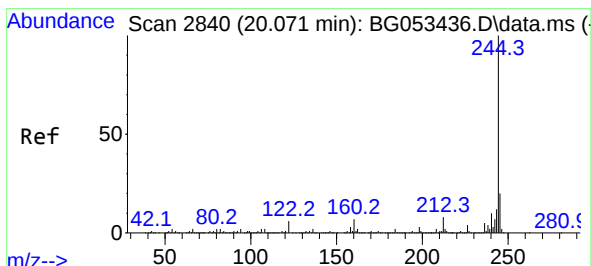
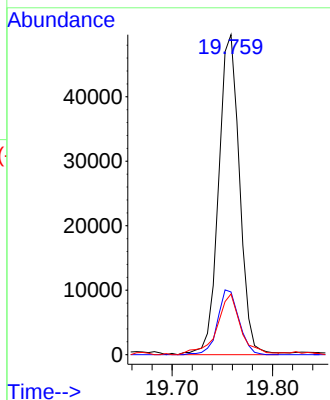
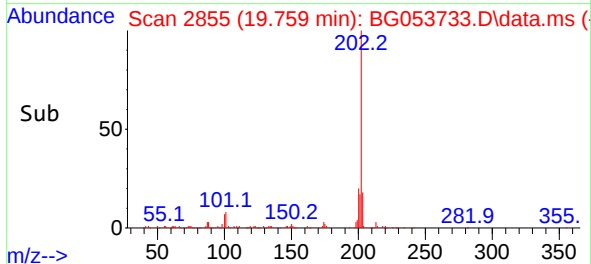
Instrument :
BNA_G
ClientSampleId :
MW-12



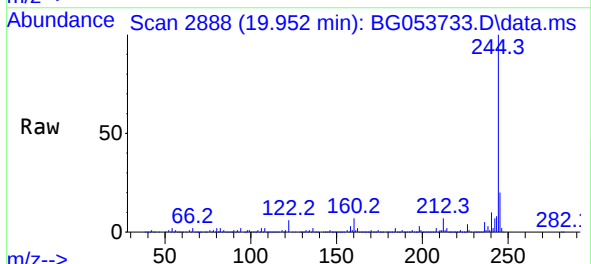
Tgt Ion:202 Resp: 7175
Ion Ratio Lower Upper
202 100
200 19.6 16.6 24.8
203 18.9 14.6 21.8

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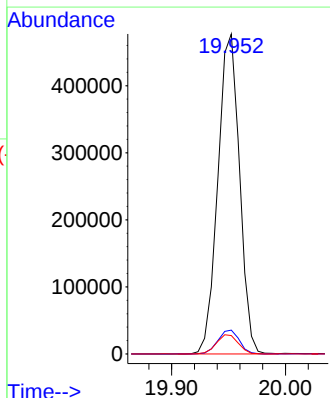
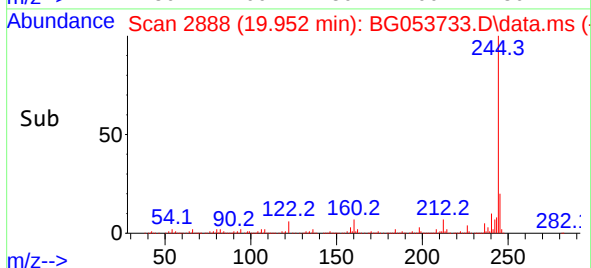
Reviewed By :Christian Giraldo 05/31/2022
Supervised By :Jagrut Upadhyay 05/31/2022

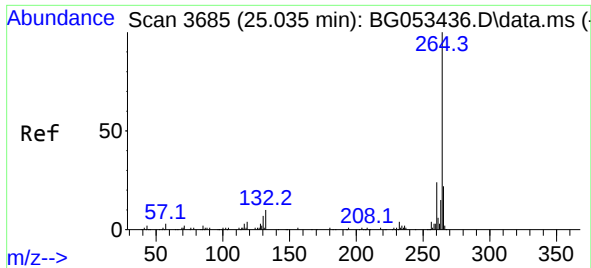


#79
Terphenyl-d14
Concen: 79.346 ng
RT: 19.952 min Scan# 2888
Delta R.T. -0.023 min
Lab File: BG053733.D
Acq: 27 May 2022 14:52



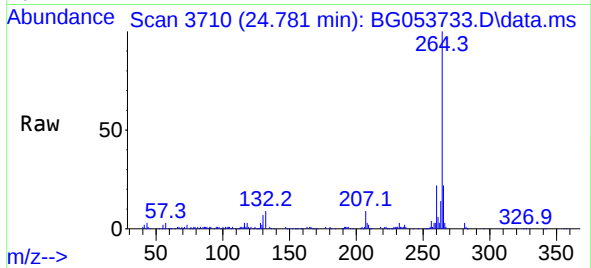
Tgt Ion:244 Resp: 632500
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 5.7 5.0 7.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.781 min Scan# 31
 Delta R.T. -0.059 min
 Lab File: BG053733.D
 Acq: 27 May 2022 14:52

Instrument :
 BNA_G
 ClientSampleId :
 MW-12



Tgt Ion:264 Resp: 15194
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.0 28.6
 265 21.6 17.4 26.2

Manual Integrations
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Reviewed By :Christian Giraldo 05/31/2022
 Supervised By :Jagrut Upadhyay 05/31/2022

