

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053041.D
 Acq On : 5 Apr 2022 21:08
 Operator : CG/JU
 Sample : N2237-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A01015

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2022
 Supervised By : Jagrut Upadhyay 04/06/2022

Quant Time: Apr 06 04:15:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.125	152	41634	20.000	ng	-0.02
21) Naphthalene-d8	10.939	136	166385	20.000	ng	-0.02
39) Acenaphthene-d10	14.746	164	117919	20.000	ng	-0.02
64) Phenanthrene-d10	17.489	188	253584	20.000	ng	-0.01
76) Chrysene-d12	21.772	240	246901	20.000	ng	-0.03
86) Perylene-d12	25.073	264	271021	20.000	ng	#-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	233321	97.596	ng	0.00
7) Phenol-d6	7.279	99	342016	94.894	ng	0.00
23) Nitrobenzene-d5	9.288	82	258728	78.046	ng	-0.01
42) 2,4,6-Tribromophenol	16.232	330	143843	90.780	ng	-0.01
45) 2-Fluorobiphenyl	13.371	172	524003	65.539	ng	-0.02
79) Terphenyl-d14	20.091	244	805969	58.068	ng	-0.02
Target Compounds						Qvalue
58) Fluorene	15.791	166	25422	2.879	ng	97
71) Phenanthrene	17.530	178	405813	29.914	ng	97
72) Anthracene	17.618	178	71050	5.298	ng	98
73) Carbazole	17.883	167	44490	3.350	ng	100
75) Fluoranthene	19.539	202	712367	41.368	ng	99
78) Pyrene	19.898	202	592144	34.574	ng	98
81) Benzo(a)anthracene	21.754	228	374370	22.644	ng	98
83) Chrysene	21.819	228	328793	21.154	ng	97
87) Indeno(1,2,3-cd)pyrene	28.833	276	201459	10.860	ng	98
88) Benzo(b)fluoranthene	24.027	252	433156	25.740	ng	97
89) Benzo(k)fluoranthene	24.086	252	153987m	9.301	ng	
90) Benzo(a)pyrene	24.914	252	298730	20.972	ng	98
91) Dibenzo(a,h)anthracene	28.880	278	63369m	4.146	ng	
92) Benzo(g,h,i)perylene	30.013	276	182886	12.092	ng	99

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

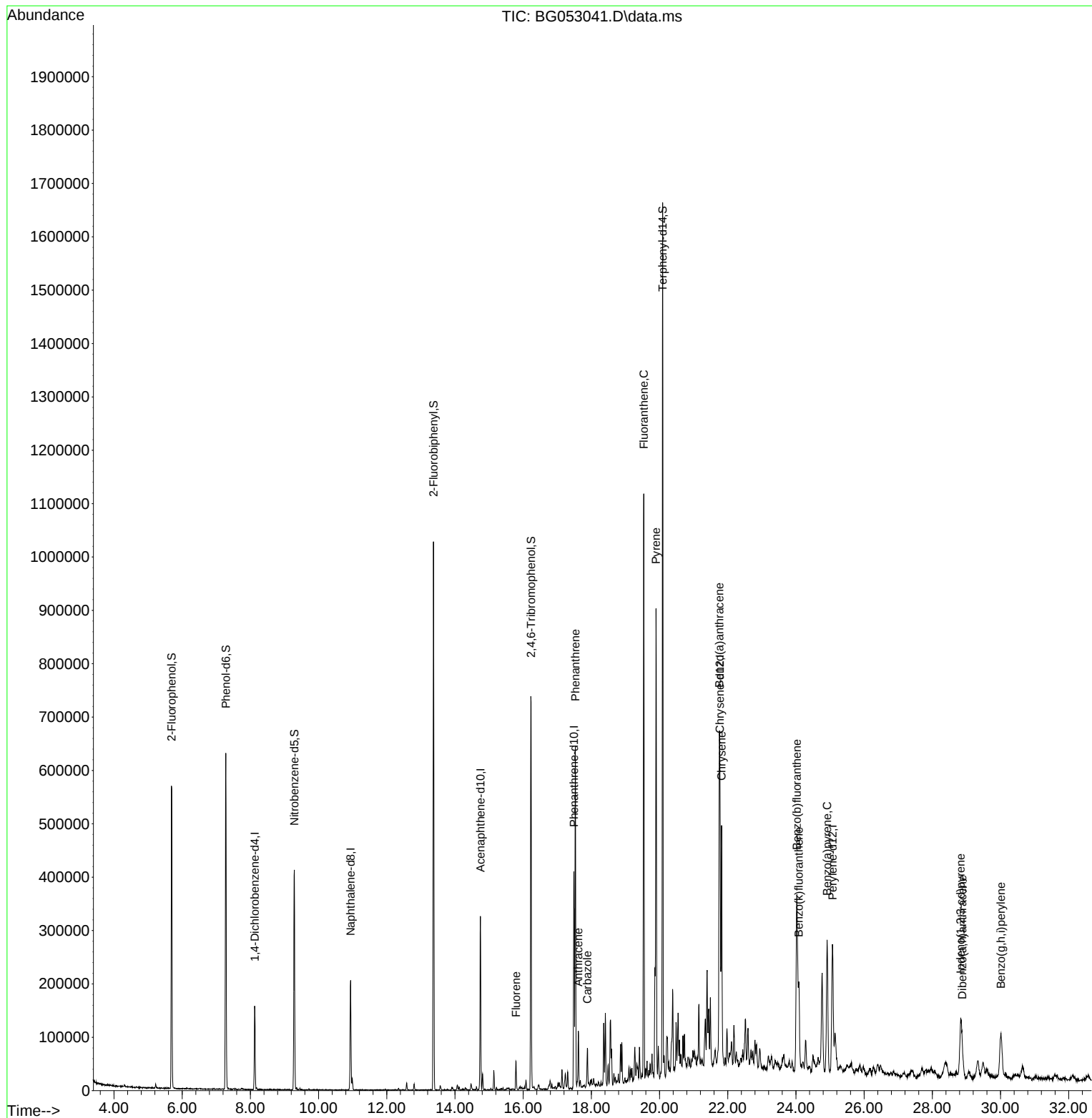
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
Data File : BG053041.D
Acq On : 5 Apr 2022 21:08
Operator : CG/JU
Sample : N2237-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

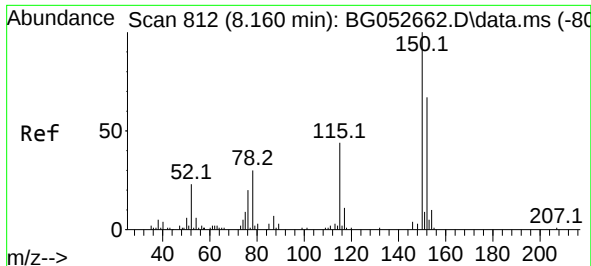
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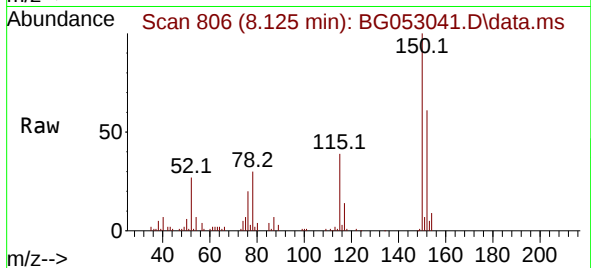
Quant Time: Apr 06 04:15:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 05 14:24:42 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.125 min Scan# 806
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

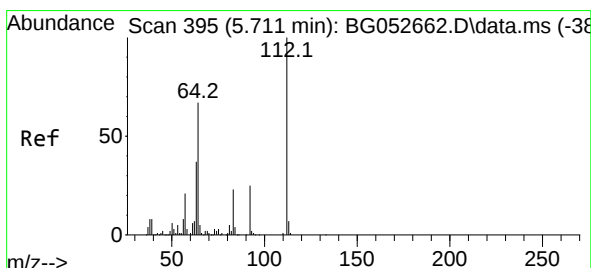
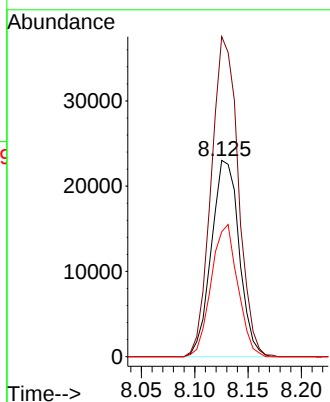
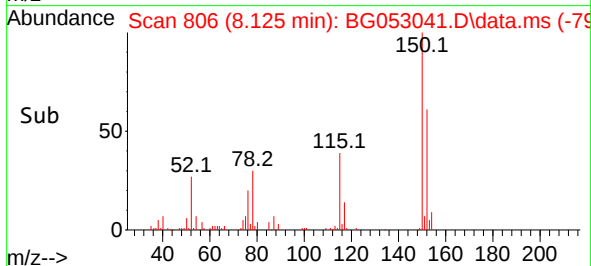
Instrument :
BNA_G
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A01015



Tgt Ion:152 Resp: 41634
Ion Ratio Lower Upper
152 100
150 163.0 114.6 172.0
115 63.6 45.9 68.9

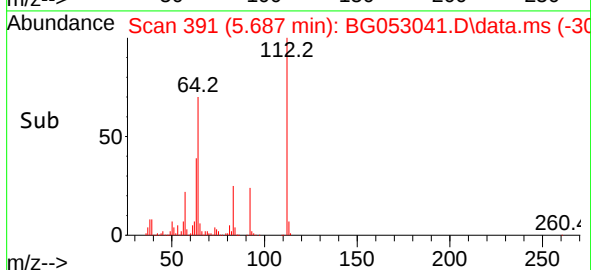
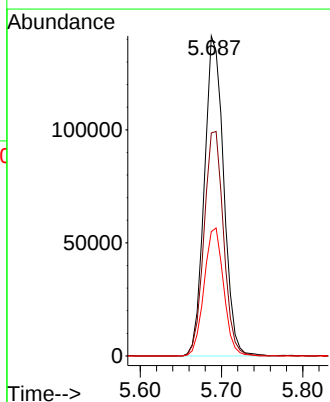
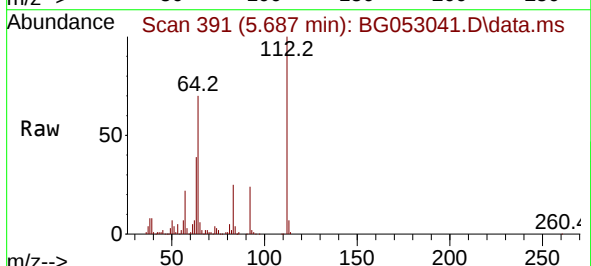
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Supervised By :Jagrut Upadhyay 04/06/2022



#5
2-Fluorophenol
Concen: 97.596 ng
RT: 5.687 min Scan# 391
Delta R.T. -0.009 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

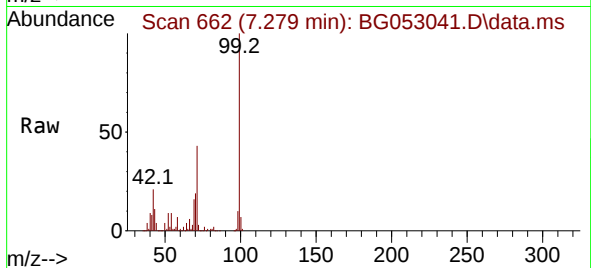
Tgt Ion:112 Resp: 233321
Ion Ratio Lower Upper
112 100
64 69.7 48.0 72.0
63 38.9 26.5 39.7





#7
Phenol-d6
Concen: 94.894 ng
RT: 7.279 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

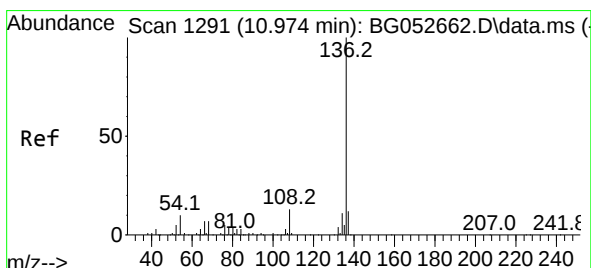
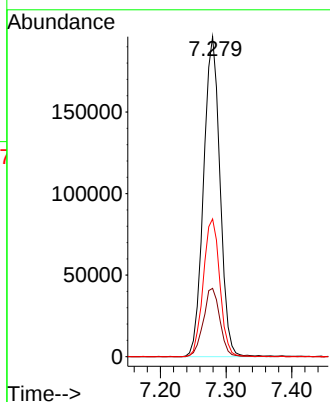
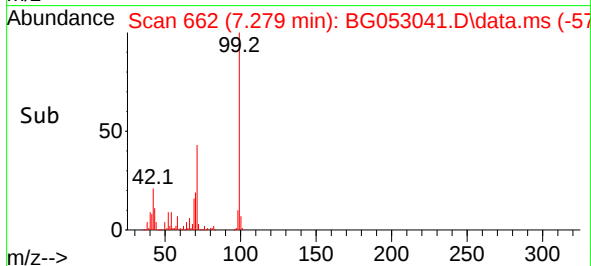
Instrument :
BNA_G
ClientSampleId :
A01015



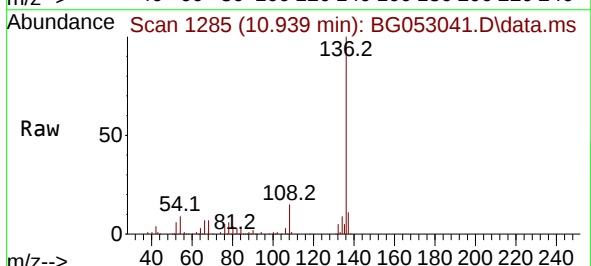
Tgt Ion: 99 Resp: 342010
Ion Ratio Lower Upper
99 100
42 21.3 14.7 22.1
71 43.1 29.2 43.8

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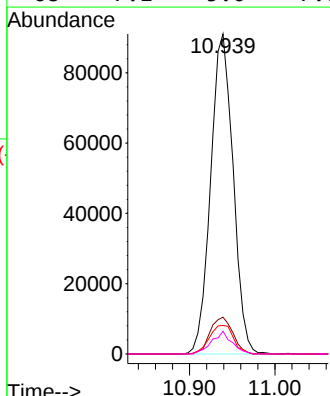
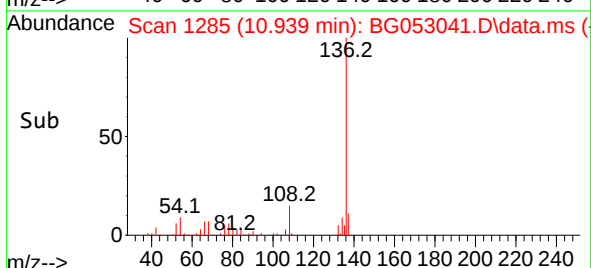
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Supervised By :Jagrut Upadhyay 04/06/2022

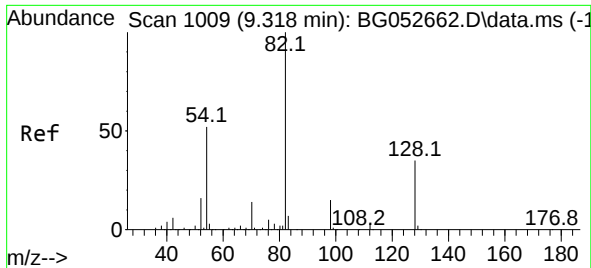


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.939 min Scan# 1285
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08



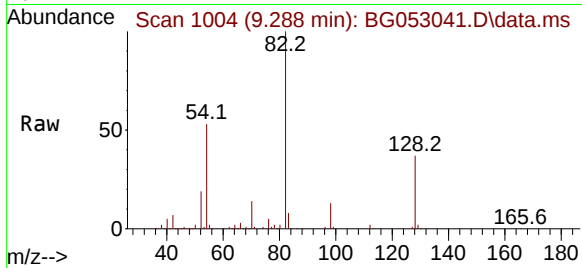
Tgt Ion:136 Resp: 166385
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 8.9 6.4 9.6
68 7.1 5.0 7.6





#23
Nitrobenzene-d5
Concen: 78.046 ng
RT: 9.288 min Scan# 1004
Delta R.T. -0.015 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

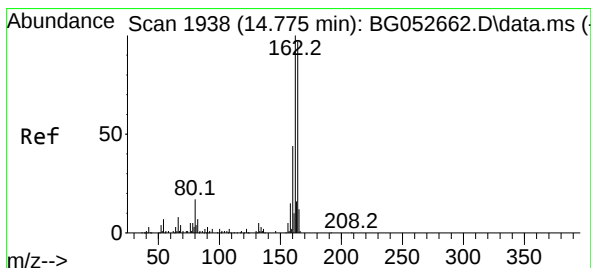
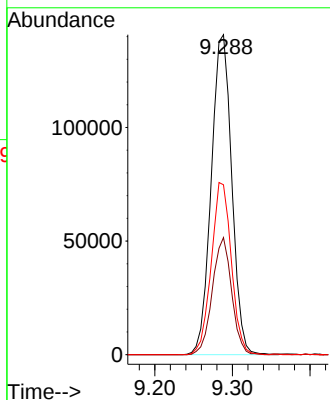
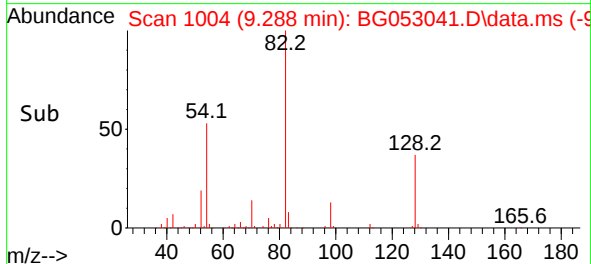
Instrument :
BNA_G
ClientSampleId :
A01015



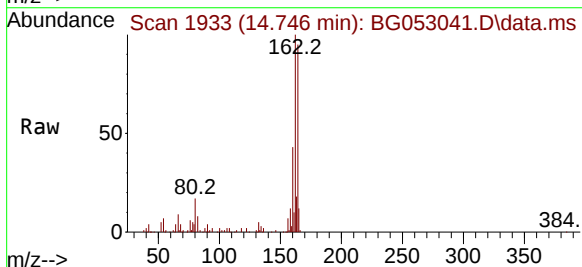
Tgt Ion: 82 Resp: 258728
Ion Ratio Lower Upper
82 100
128 36.6 31.3 46.9
54 53.1 37.8 56.8

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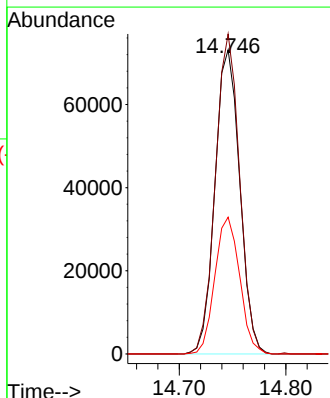
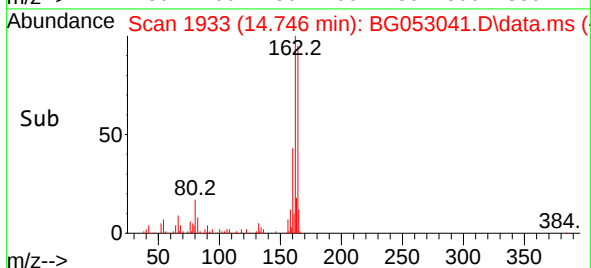
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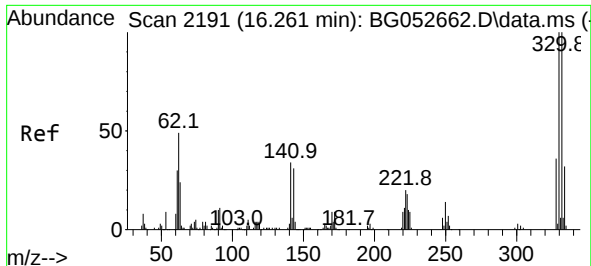


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.746 min Scan# 1933
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08



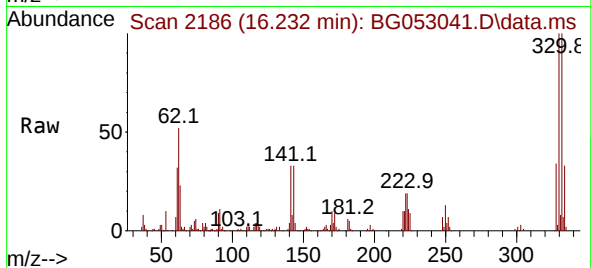
Tgt Ion:164 Resp: 117919
Ion Ratio Lower Upper
164 100
162 105.2 80.0 120.0
160 45.0 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 90.780 ng
RT: 16.232 min Scan# 2191
Delta R.T. -0.015 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

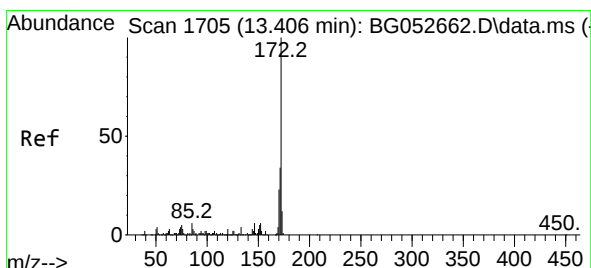
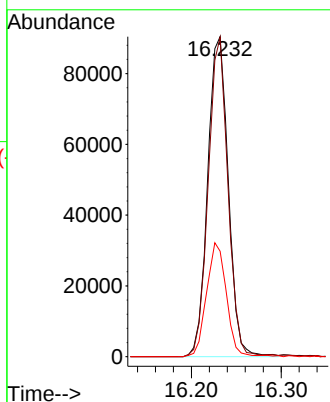
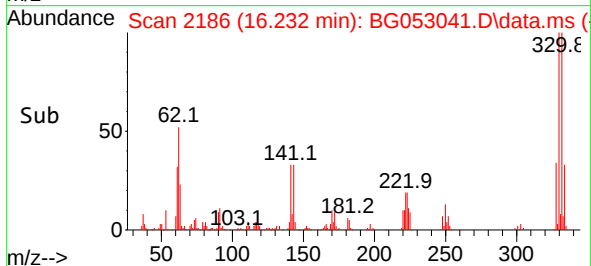
Instrument :
BNA_G
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A01015



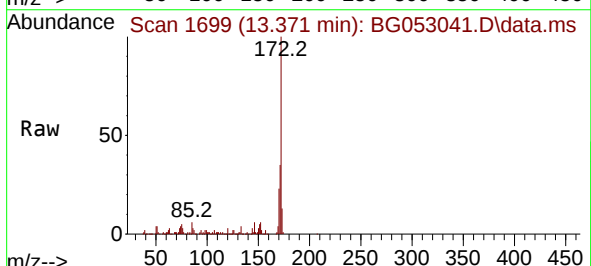
Tgt Ion:330 Resp: 14384
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.6
141 34.4 24.6 36.8

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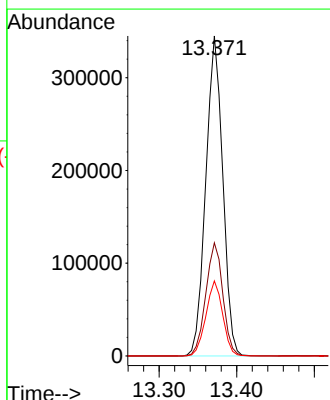
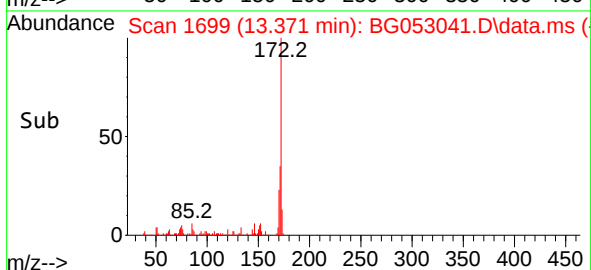
Reviewed By :Christian Giraldo 04/06/2022
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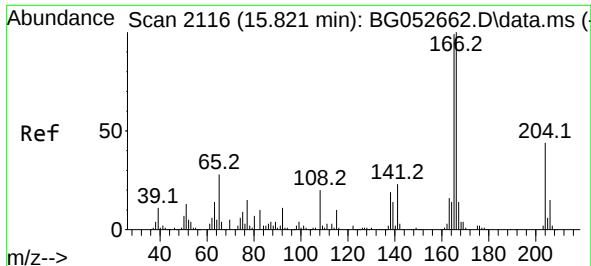


#45
2-Fluorobiphenyl
Concen: 65.539 ng
RT: 13.371 min Scan# 1699
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08



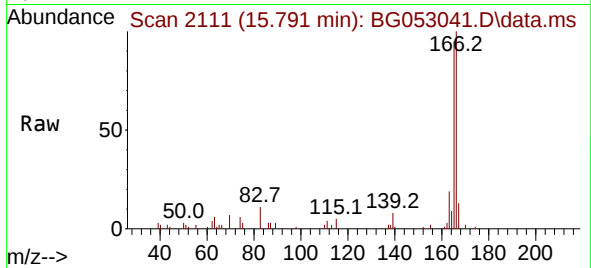
Tgt Ion:172 Resp: 524003
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 23.4 18.0 27.0





#58
Fluorene
Concen: 2.879 ng
RT: 15.791 min Scan# 2111
Delta R.T. -0.015 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

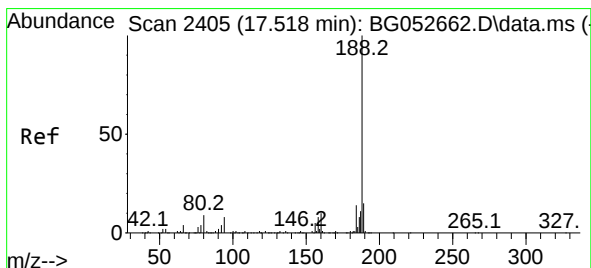
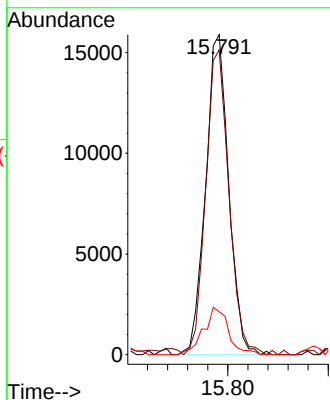
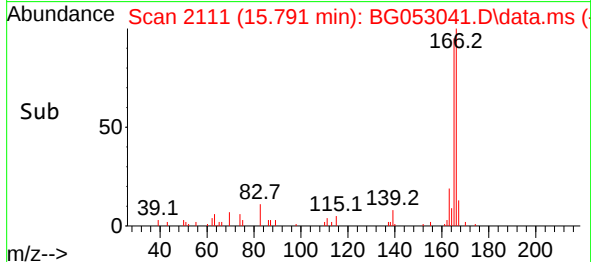
Instrument :
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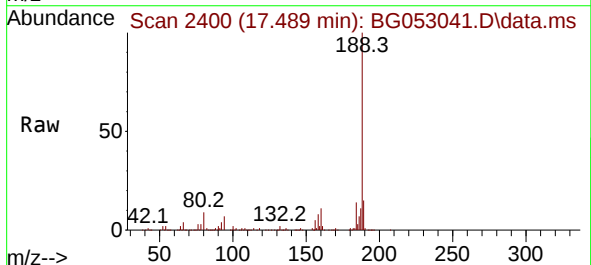
Tgt Ion:166 Resp: 2542
Ion Ratio Lower Upper
166 100
165 95.2 78.6 117.8
167 13.4 10.9 16.3

Manual Integrations
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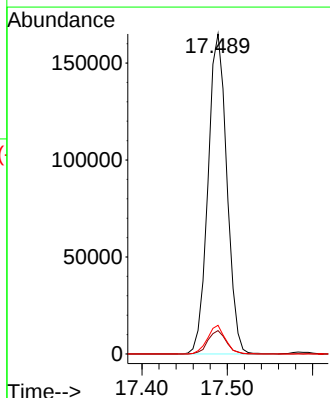
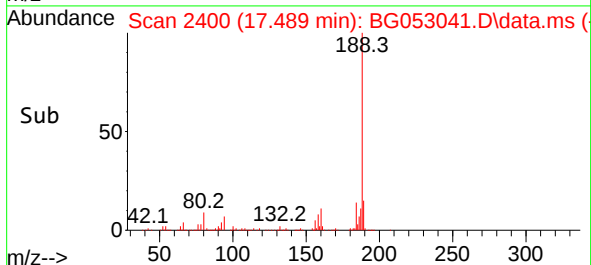
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

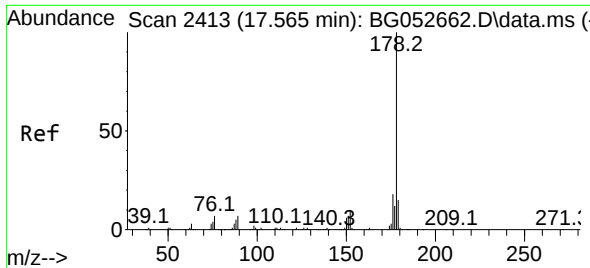


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.489 min Scan# 2400
Delta R.T. -0.015 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08



Tgt Ion:188 Resp: 253584
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 8.9 7.2 10.8





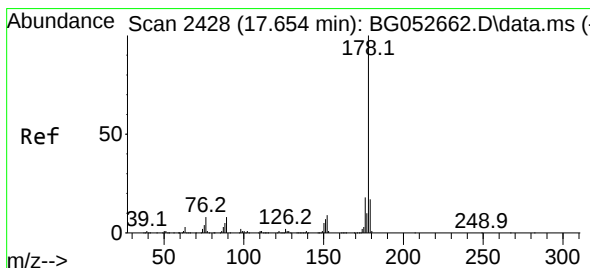
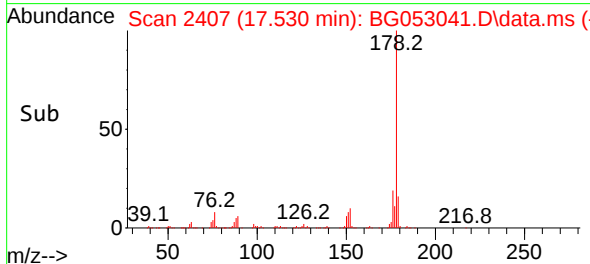
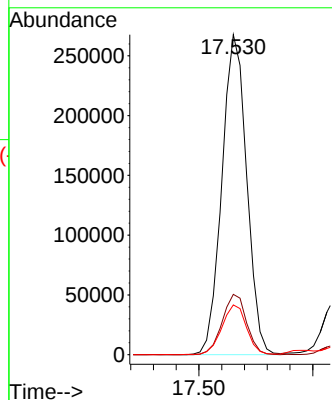
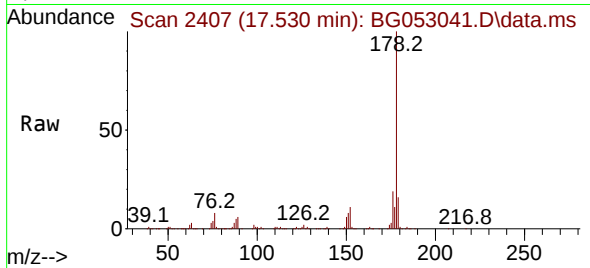
#71
Phenanthrene
Concen: 29.914 ng
RT: 17.530 min Scan# 2413
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Instrument :
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Tgt Ion:178 Resp: 40581
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.6 13.4 20.2

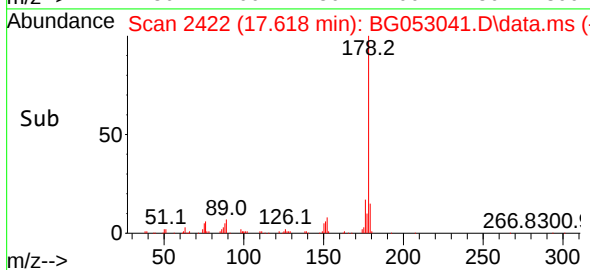
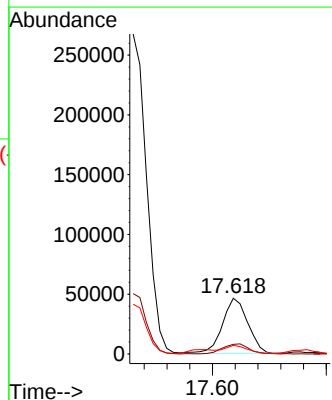
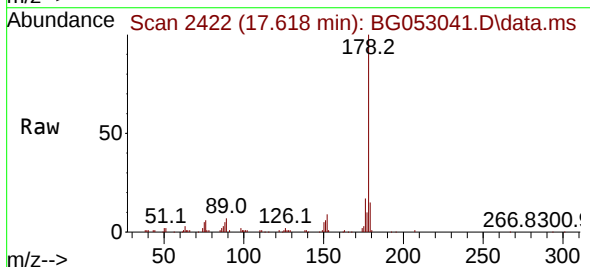
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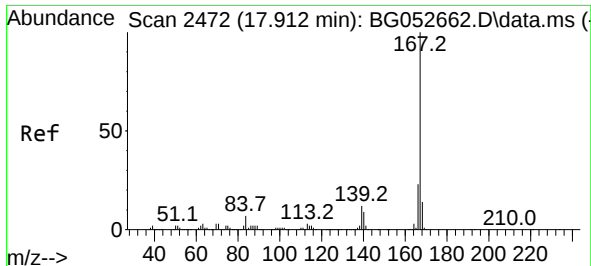
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#72
Anthracene
Concen: 5.298 ng
RT: 17.618 min Scan# 2422
Delta R.T. -0.021 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

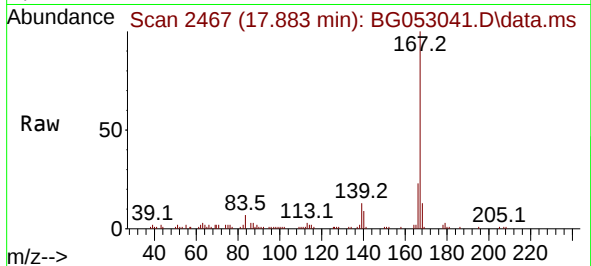
Tgt Ion:178 Resp: 71050
Ion Ratio Lower Upper
178 100
176 17.3 14.7 22.1
179 15.5 13.2 19.8





#73
 Carbazole
 Concen: 3.350 ng
 RT: 17.883 min Scan# 2472
 Delta R.T. -0.021 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

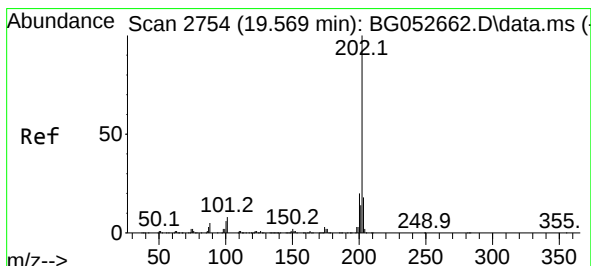
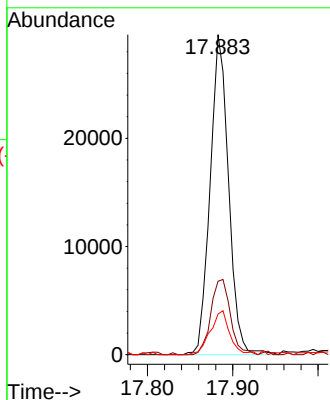
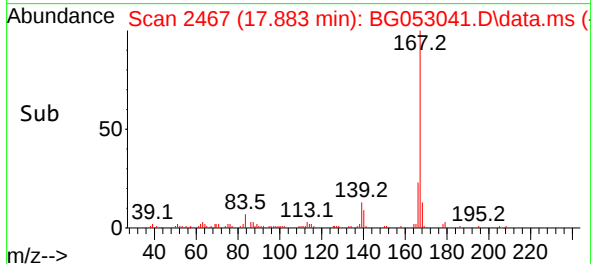
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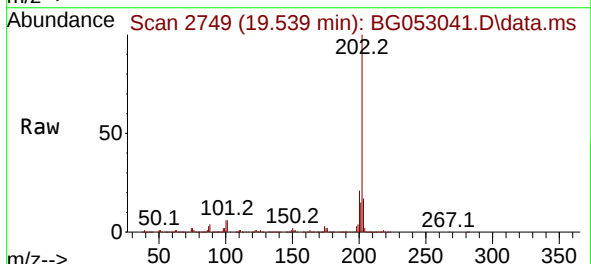
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 Ion Ratio Lower Upper
 167 100
 166 23.0 18.5 27.7
 139 12.7 10.0 15.0

Manual Integrations
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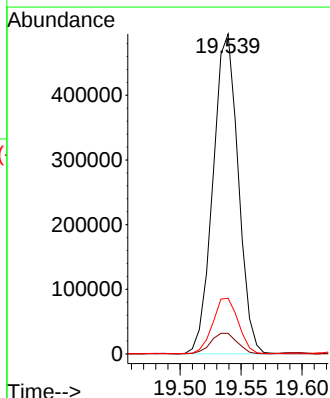
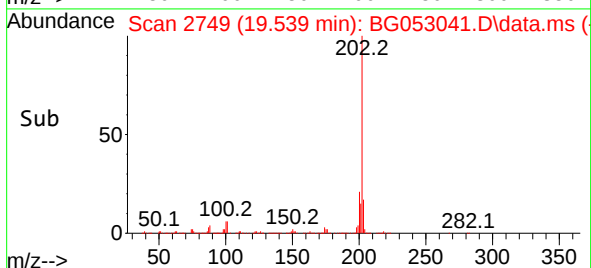
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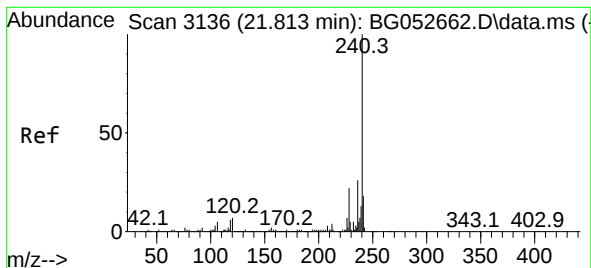


#75
 Fluoranthene
 Concen: 41.368 ng
 RT: 19.539 min Scan# 2749
 Delta R.T. -0.015 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08



Tgt Ion:202 Resp: 712367
 Ion Ratio Lower Upper
 202 100
 101 6.4 0.0 27.3
 203 17.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.772 min Scan# 31

Delta R.T. -0.027 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

Instrument :

BNA_G

ClientSampleId :

A01015

Tgt Ion:240 Resp: 24690

Ion Ratio Lower Upper

240 100

120 6.0 5.4 8.0

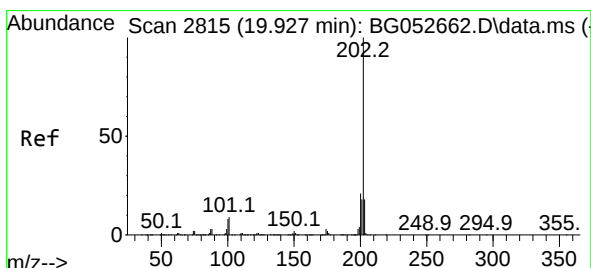
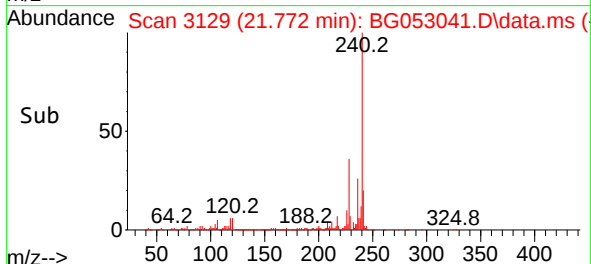
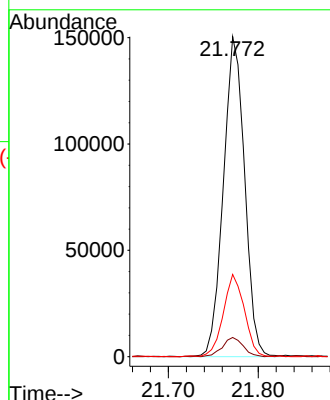
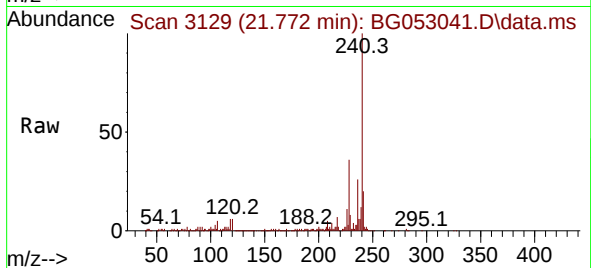
236 25.7 19.8 29.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/06/2022

Supervised By :Jagrut Upadhyay 04/06/2022



#78

Pyrene

Concen: 34.574 ng

RT: 19.898 min Scan# 2810

Delta R.T. -0.021 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

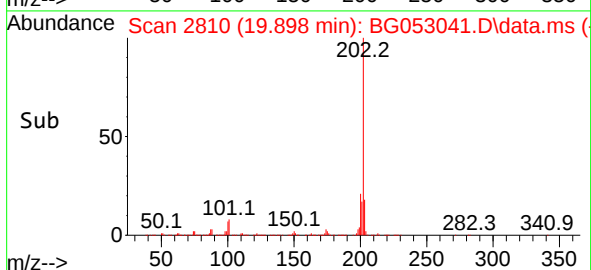
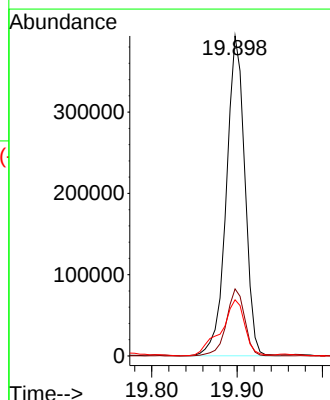
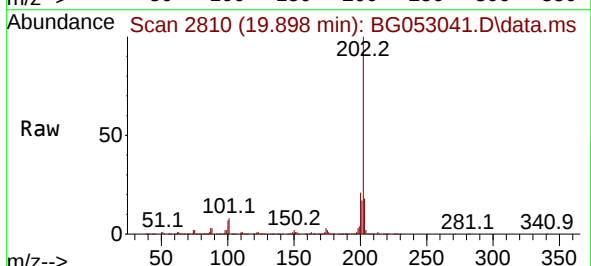
Tgt Ion:202 Resp: 592144

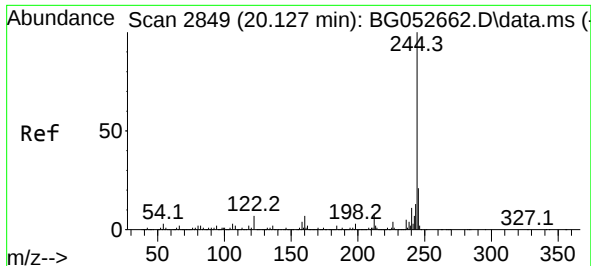
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

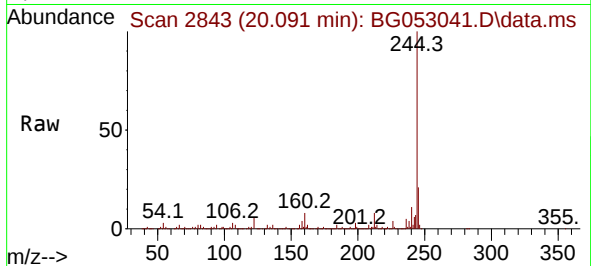
203 17.6 15.0 22.6





#79
 Terphenyl-d14
 Concen: 58.068 ng
 RT: 20.091 min Scan# 21
 Delta R.T. -0.021 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08

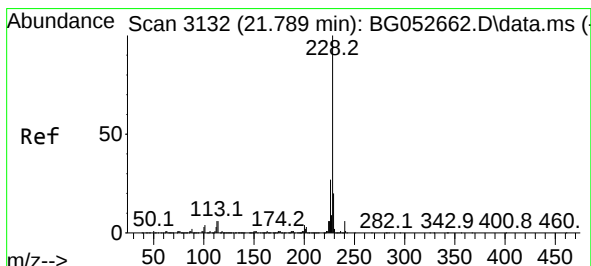
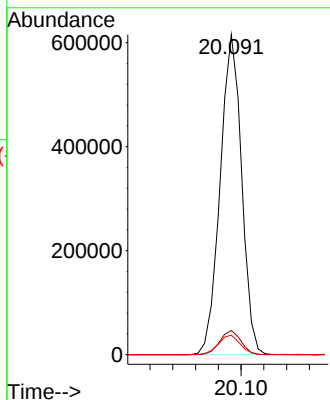
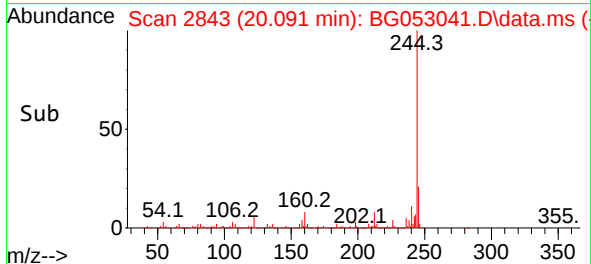
Instrument :
 BNA_G
 ClientSampleId :
 A01015



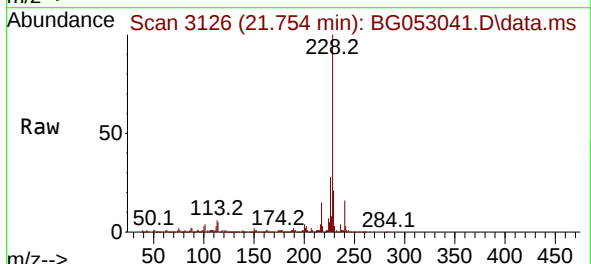
Tgt Ion:244 Resp: 805969
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.4 8.2
 122 6.1 5.8 8.6

Manual Integrations
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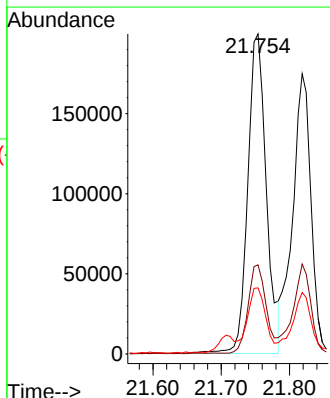
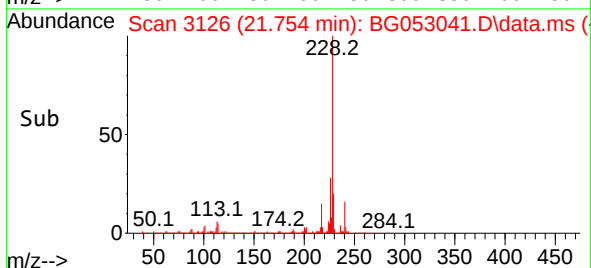
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/06/2022

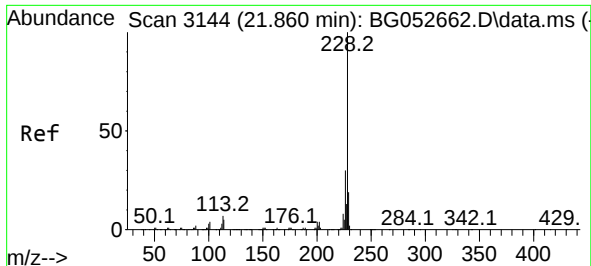


#81
 Benzo(a)anthracene
 Concen: 22.644 ng
 RT: 21.754 min Scan# 3126
 Delta R.T. -0.021 min
 Lab File: BG053041.D
 Acq: 5 Apr 2022 21:08



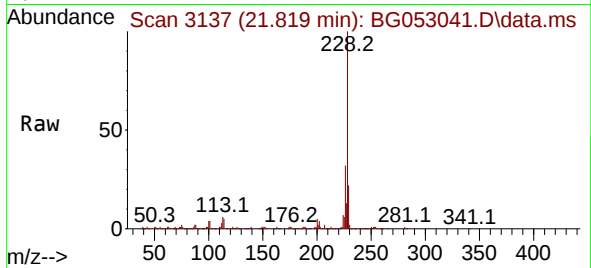
Tgt Ion:228 Resp: 374370
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.0
 229 20.6 16.7 25.1





#83
Chrysene
Concen: 21.154 ng
RT: 21.819 min Scan# 3144
Delta R.T. -0.027 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

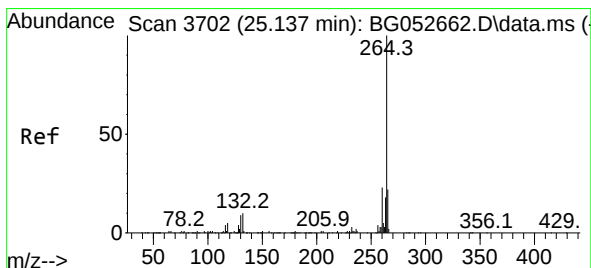
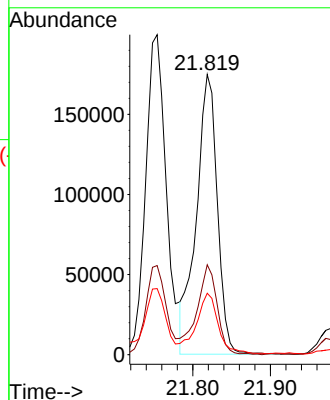
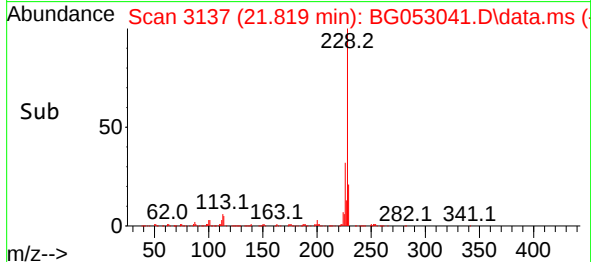
Instrument :
BNA_G
ClientSampleId :
A01015



Tgt Ion:228 Resp: 32879
Ion Ratio Lower Upper
228 100
226 32.1 24.2 36.4
229 21.9 16.3 24.5

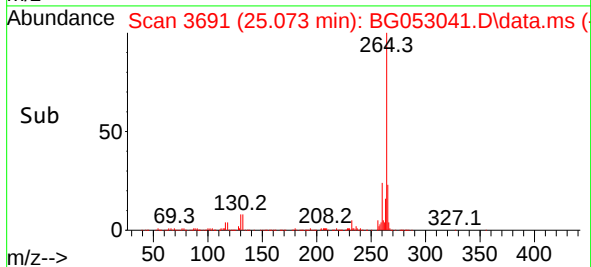
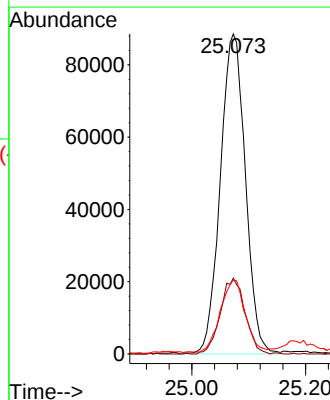
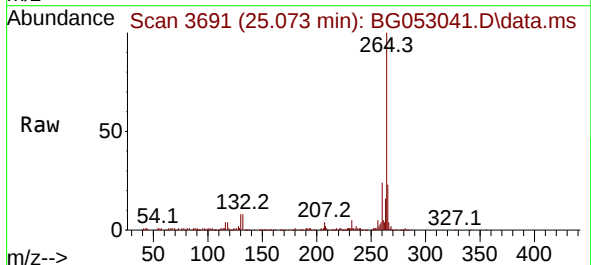
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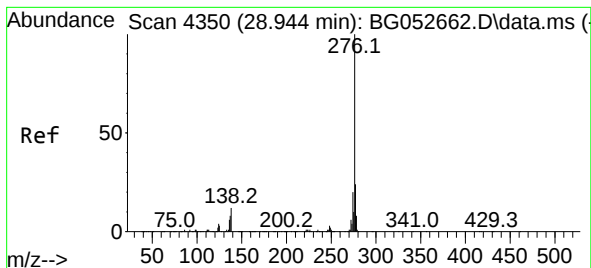
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.073 min Scan# 3691
Delta R.T. -0.038 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

Tgt Ion:264 Resp: 271021
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.2
265 23.1 15.1 22.7#





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.860 ng

RT: 28.833 min Scan# 41

Delta R.T. -0.068 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

Instrument :

BNA_G

ClientSampleId :

A01015

Tgt Ion:276 Resp: 20145

Ion Ratio Lower Upper

276 100

138 11.6 8.7 13.1

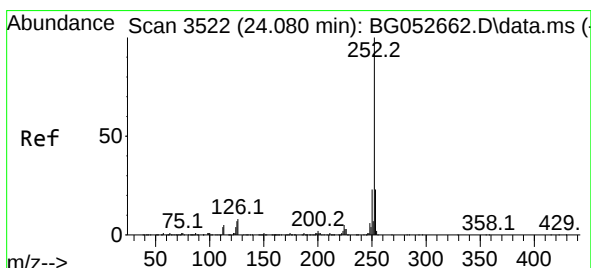
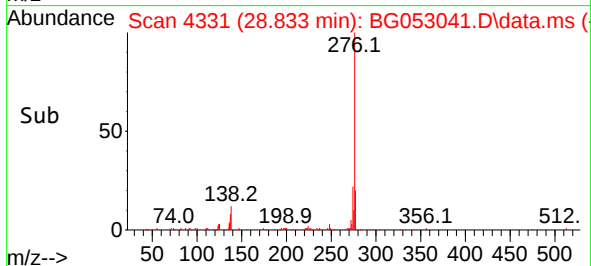
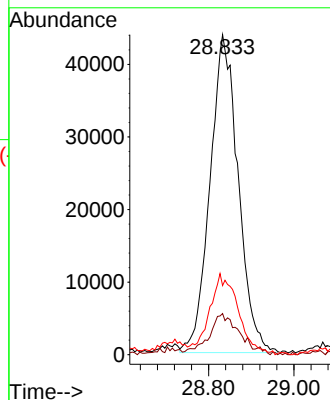
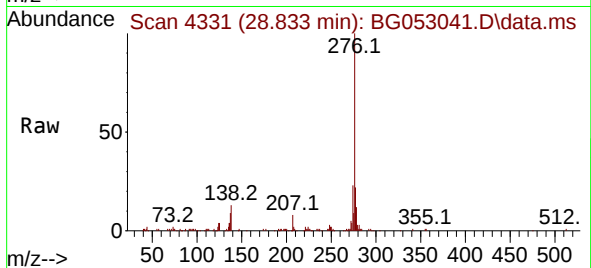
277 26.0 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2022

Supervised By :Jagrut Upadhyay 04/06/2022



#88

Benzo(b)fluoranthene

Concen: 25.740 ng

RT: 24.027 min Scan# 3513

Delta R.T. -0.027 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

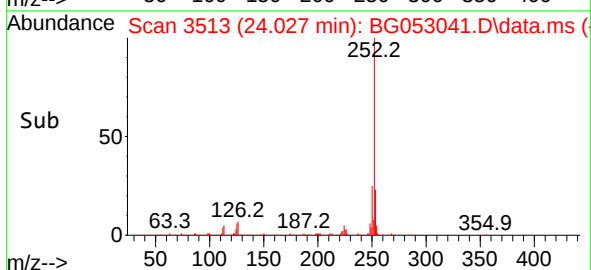
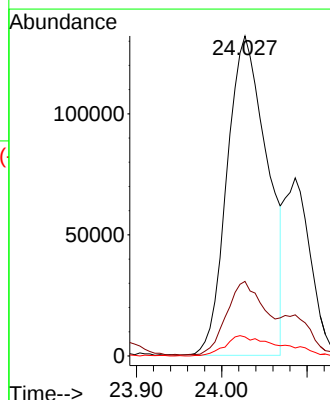
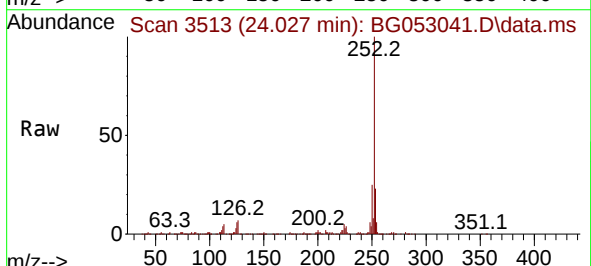
Tgt Ion:252 Resp: 433156

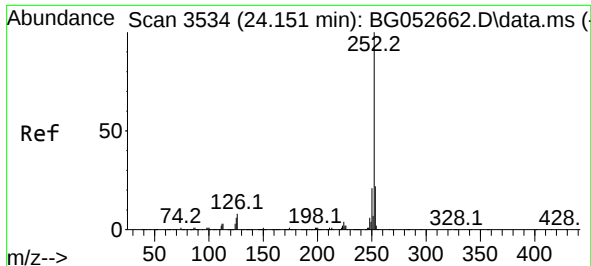
Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

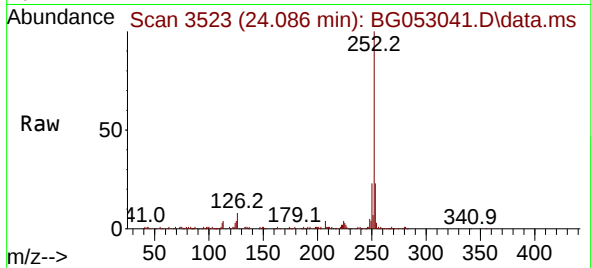
125 6.0 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 9.301 ng m
RT: 24.086 min Scan# 31
Delta R.T. -0.044 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08

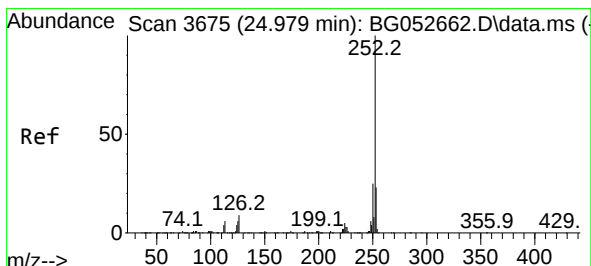
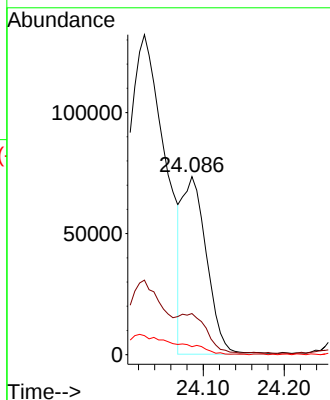
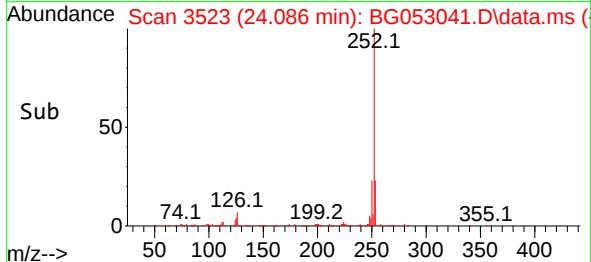
Instrument :
BNA_G
ClientSampleId :
A01015



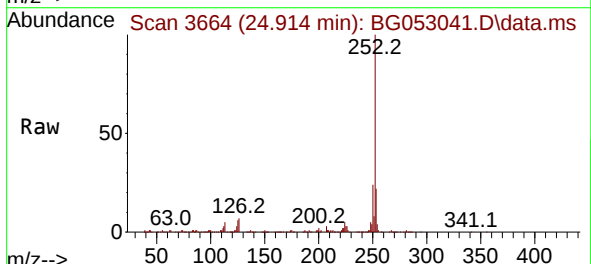
Tgt Ion:252 Resp: 15398
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 4.5 5.0 7.4

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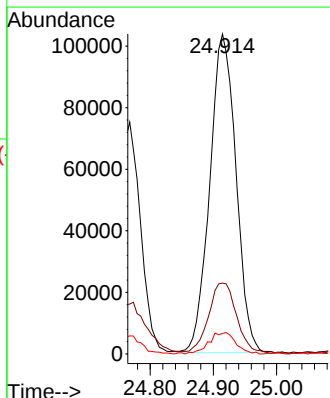
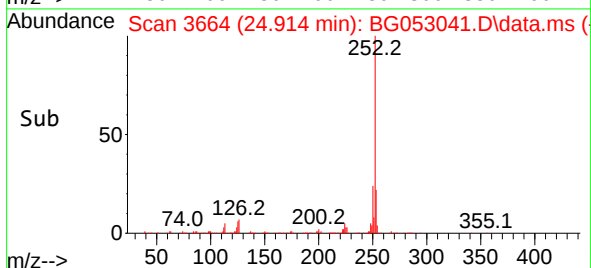
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

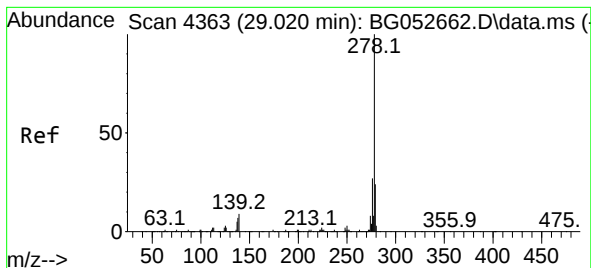


#90
Benzo(a)pyrene
Concen: 20.972 ng
RT: 24.914 min Scan# 3664
Delta R.T. -0.038 min
Lab File: BG053041.D
Acq: 5 Apr 2022 21:08



Tgt Ion:252 Resp: 298730
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 6.4 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 4.146 ng m

RT: 28.880 min Scan# 41

Delta R.T. -0.091 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

Instrument :

BNA_G

ClientSampleId :

A01015

Tgt Ion:278 Resp: 63369

Ion Ratio Lower Upper

278 100

139 11.2 7.8 11.6

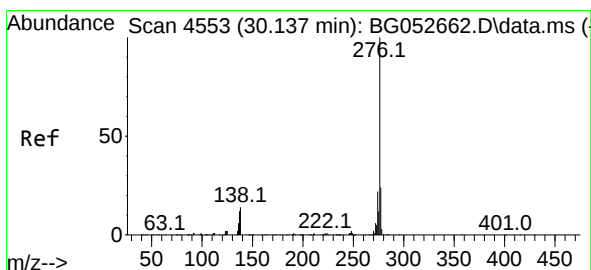
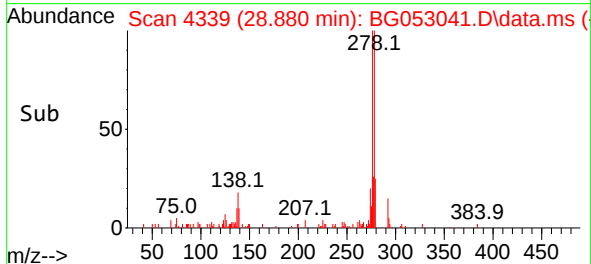
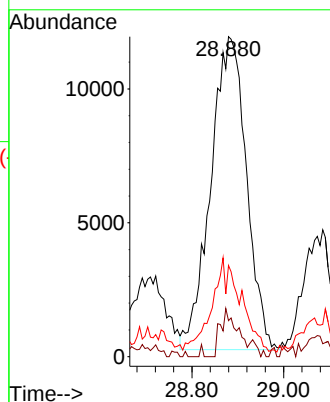
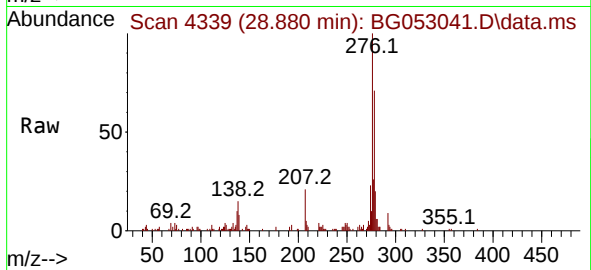
279 28.5 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2022

Supervised By :Jagrut Upadhyay 04/06/2022



#92

Benzo(g,h,i)perylene

Concen: 12.092 ng

RT: 30.013 min Scan# 4532

Delta R.T. -0.080 min

Lab File: BG053041.D

Acq: 5 Apr 2022 21:08

Tgt Ion:276 Resp: 182886

Ion Ratio Lower Upper

276 100

277 22.8 18.2 27.2

138 13.0 9.1 13.7

