

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031122\
 Data File : BG052649.D
 Acq On : 11 Mar 2022 16:19
 Operator : CG/JU
 Sample : N1864-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MB-B1-030922-0-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/14/2022
 Supervised By : Jagrut Upadhyay 03/14/2022

Quant Time: Mar 12 06:16:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 06:37:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.166	152	32096	20.000	ng	-0.01
21) Naphthalene-d8	11.003	136	129046	20.000	ng	0.00
39) Acenaphthene-d10	14.821	164	91403	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	205982	20.000	ng	0.00
76) Chrysene-d12	21.883	240	167141	20.000	ng	0.00
86) Perylene-d12	25.307	264	173449	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.699	112	157491	84.768	ng	0.00
7) Phenol-d6	7.320	99	236372	87.905	ng	0.00
23) Nitrobenzene-d5	9.341	82	159891	56.168	ng	0.00
42) 2,4,6-Tribromophenol	16.308	330	115630	89.198	ng	-0.01
45) 2-Fluorobiphenyl	13.441	172	389872	57.573	ng	0.00
79) Terphenyl-d14	20.167	244	589652	62.427	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.612	178	163251	15.106	ng	97
72) Anthracene	17.706	178	25343m	2.395	ng	
75) Fluoranthene	19.621	202	258774	19.177	ng	100
78) Pyrene	19.985	202	219084	19.610	ng	98
81) Benzo(a)anthracene	21.859	228	108774	9.713	ng	99
83) Chrysene	21.930	228	106547	10.176	ng	98
87) Indeno(1,2,3-cd)pyrene	29.255	276	63174	5.082	ng	# 97
88) Benzo(b)fluoranthene	24.221	252	136333	12.731	ng	97
89) Benzo(k)fluoranthene	24.273	252	45280m	4.204	ng	
90) Benzo(a)pyrene	25.143	252	90448	9.982	ng	96
92) Benzo(g,h,i)perylene	30.494	276	60154	5.975	ng	# 88

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

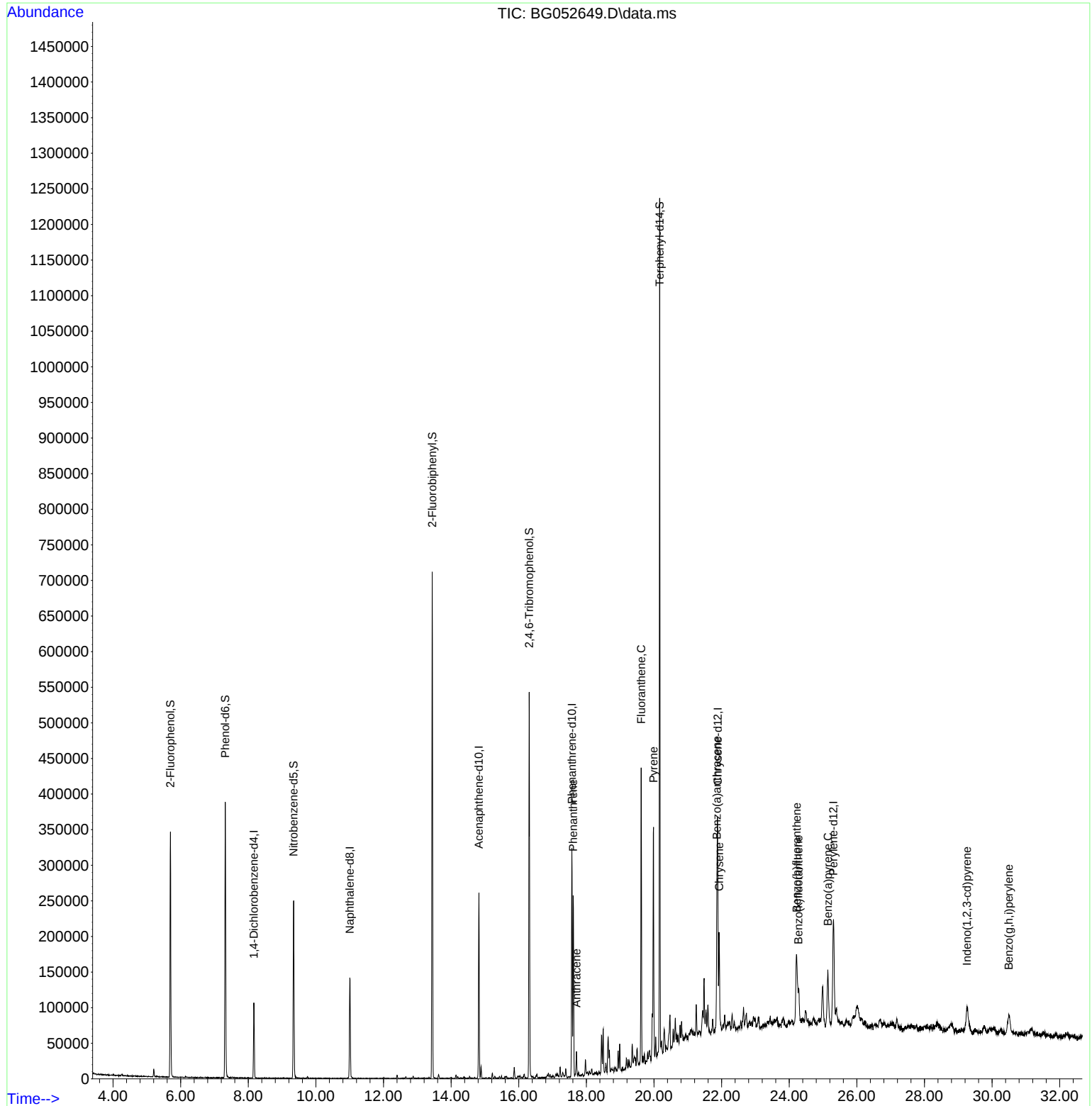
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031122\
Data File : BG052649.D
Acq On : 11 Mar 2022 16:19
Operator : CG/JU
Sample : N1864-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

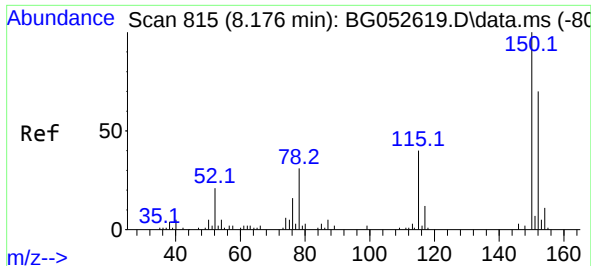
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2

Quant Time: Mar 12 06:16:33 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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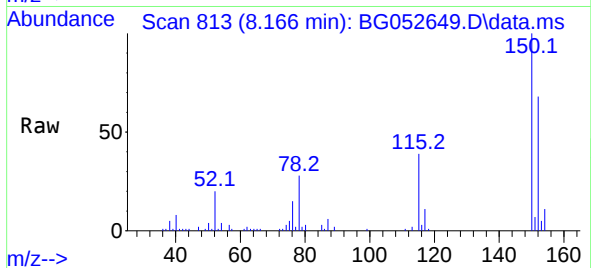
Reviewed By : Christian Giraldo 03/14/2022
Supervised By : Jagrut Upadhyay 03/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.166 min Scan# 815
Delta R.T. -0.010 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

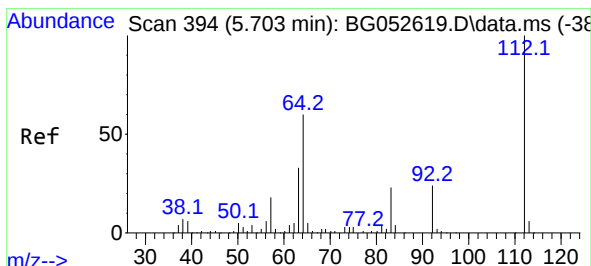
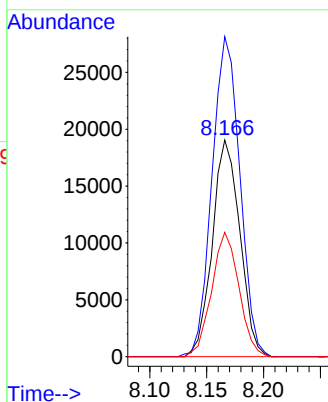
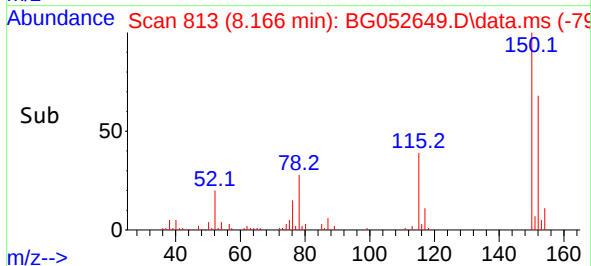
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2



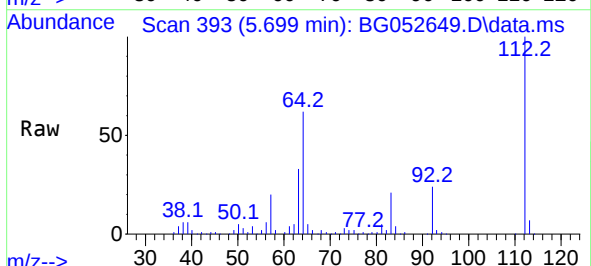
Tgt Ion:152 Resp: 32090
Ion Ratio Lower Upper
152 100
150 147.8 114.6 172.0
115 57.4 45.9 68.9

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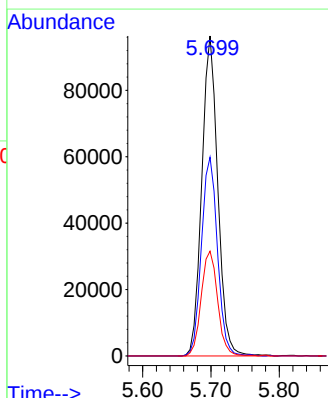
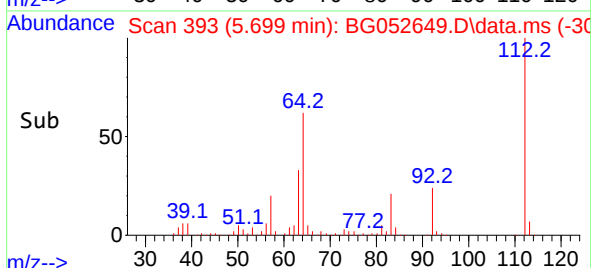
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

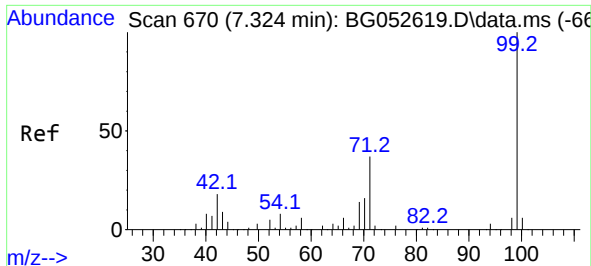


#5
2-Fluorophenol
Concen: 84.768 ng
RT: 5.699 min Scan# 393
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19



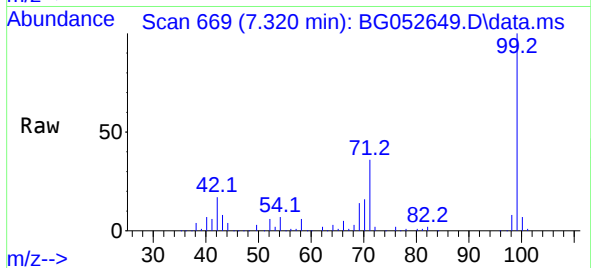
Tgt Ion:112 Resp: 157491
Ion Ratio Lower Upper
112 100
64 62.1 48.0 72.0
63 32.7 26.5 39.7





#7
Phenol-d6
Concen: 87.905 ng
RT: 7.320 min Scan# 60
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

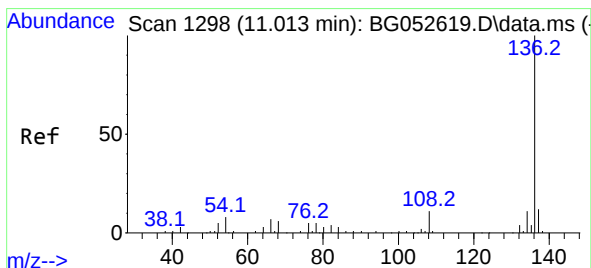
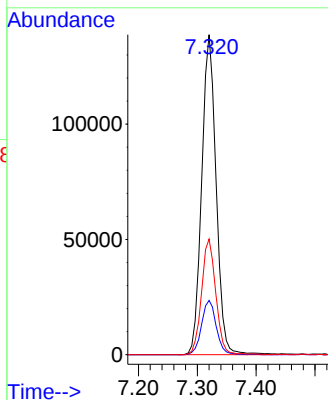
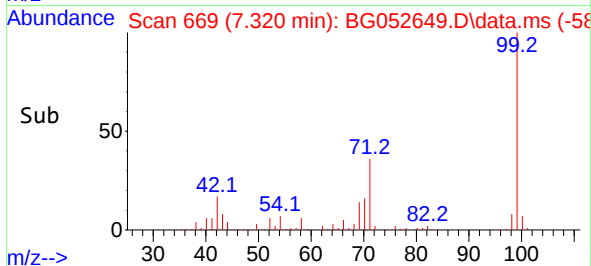
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2



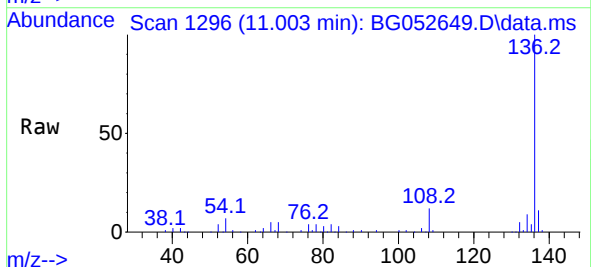
Tgt Ion: 99 Resp: 236372
Ion Ratio Lower Upper
99 100
42 16.9 14.7 22.1
71 36.1 29.2 43.8

Manual Integrations
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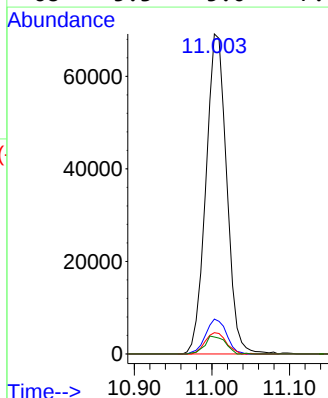
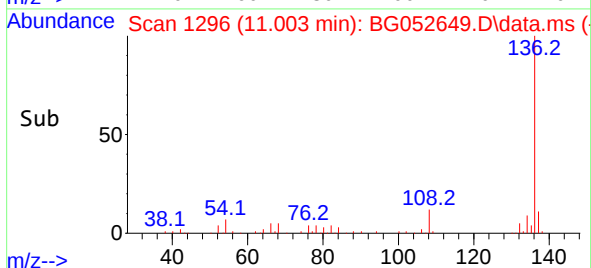
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

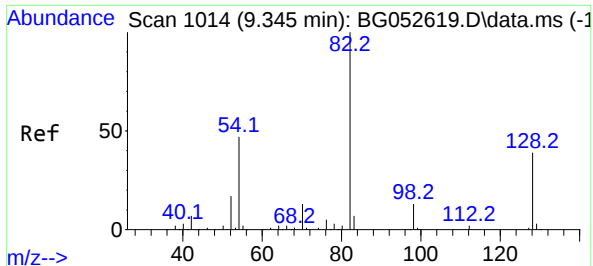


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.003 min Scan# 1296
Delta R.T. -0.010 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19



Tgt Ion:136 Resp: 129046
Ion Ratio Lower Upper
136 100
137 10.9 9.4 14.2
54 6.7 6.4 9.6
68 5.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 56.168 ng

RT: 9.341 min Scan# 1014

Delta R.T. -0.004 min

Lab File: BG052649.D

Acq: 11 Mar 2022 16:19

Instrument :

BNA_G

ClientSampleId :

MB-B1-030922-0-2

Tgt Ion: 82 Resp: 15989

Ion Ratio Lower Upper

82 100

128 39.8 31.3 46.9

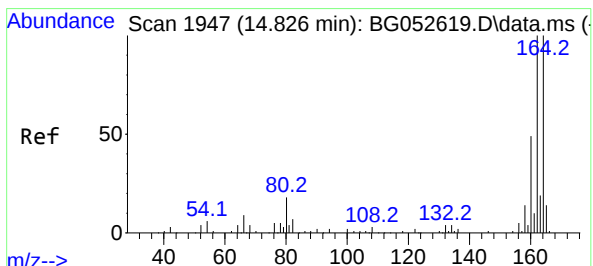
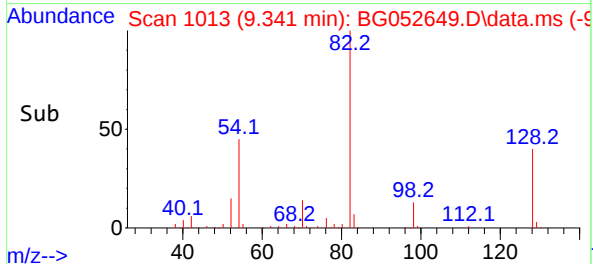
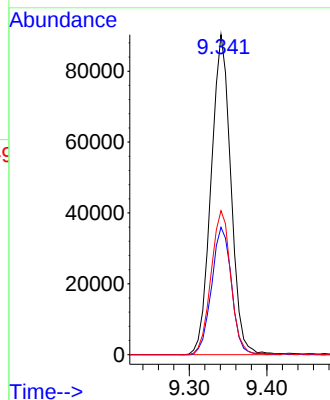
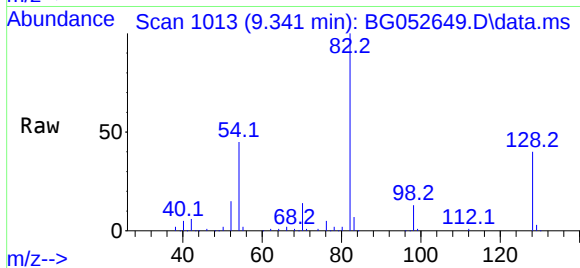
54 45.0 37.8 56.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.821 min Scan# 1946

Delta R.T. -0.004 min

Lab File: BG052649.D

Acq: 11 Mar 2022 16:19

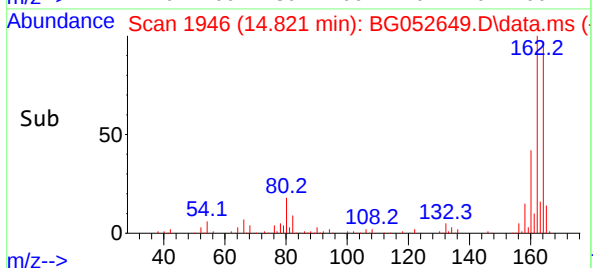
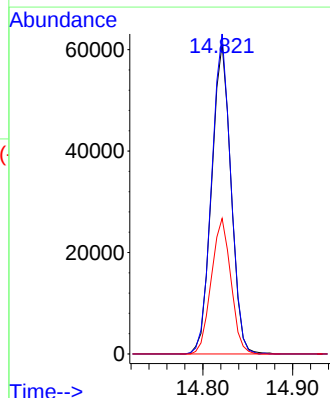
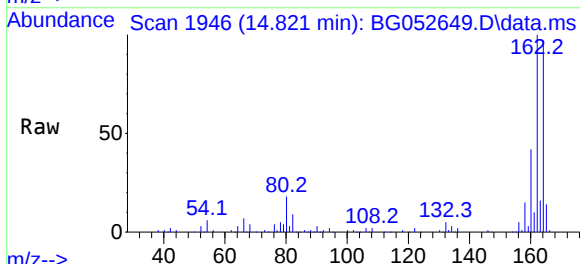
Tgt Ion:164 Resp: 91403

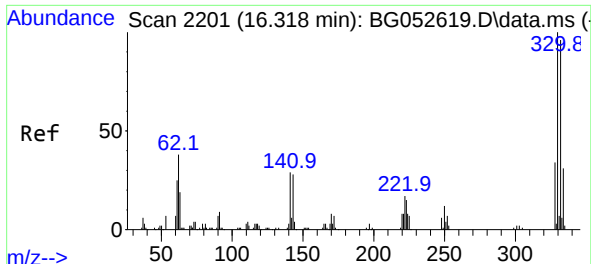
Ion Ratio Lower Upper

164 100

162 103.2 80.0 120.0

160 43.7 38.8 58.2





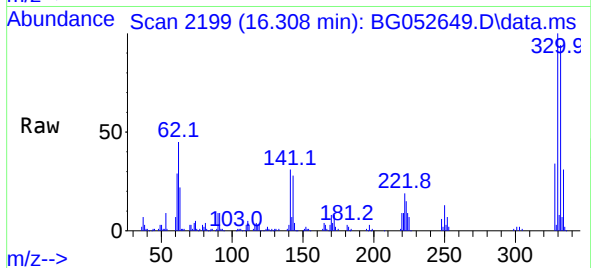
#42
2,4,6-Tribromophenol
Concen: 89.198 ng
RT: 16.308 min Scan# 2199
Delta R.T. -0.010 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Instrument :

BNA_G

ClientSampleId :

MB-B1-030922-0-2

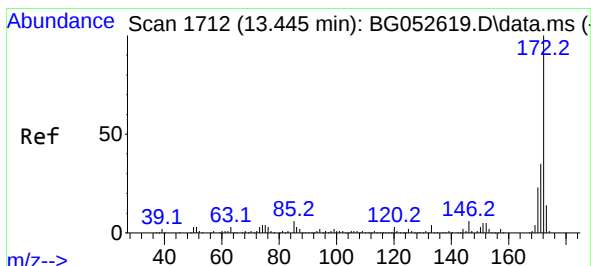
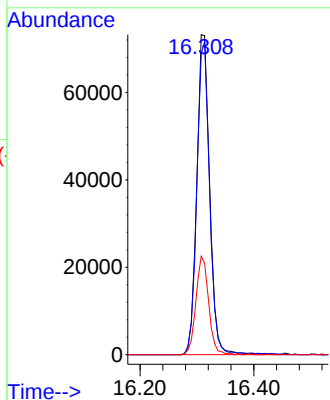
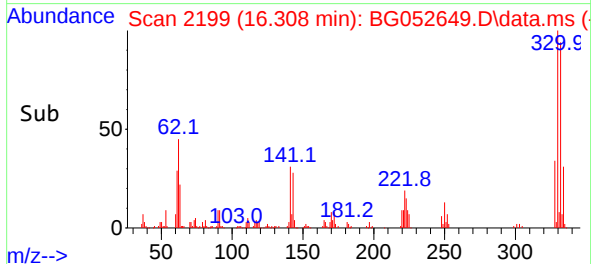


Tgt Ion:330 Resp: 115630
Ion Ratio Lower Upper
330 100
332 96.5 75.8 113.6
141 30.4 24.6 36.8

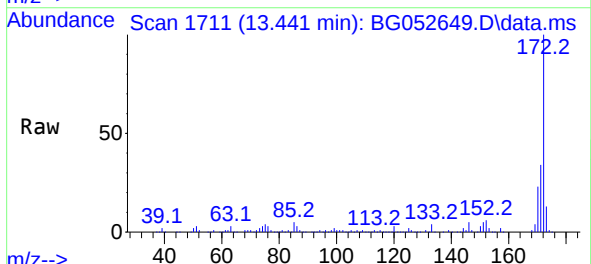
Manual Integrations

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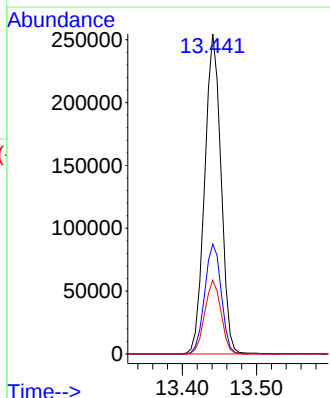
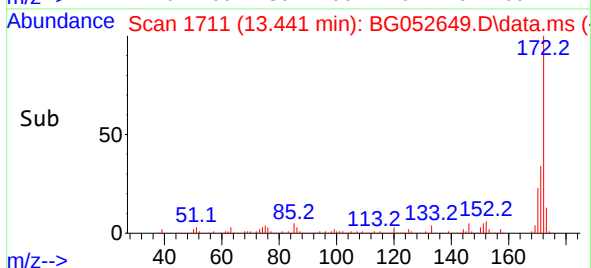
Reviewed By :Christian Giraldo 03/14/2022
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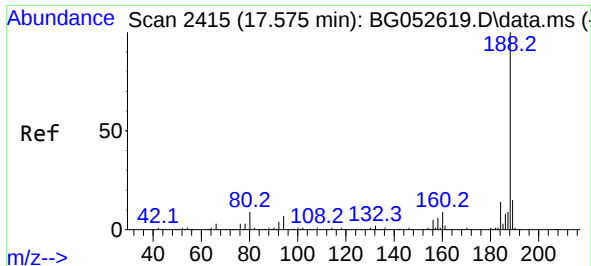


#45
2-Fluorobiphenyl
Concen: 57.573 ng
RT: 13.441 min Scan# 1711
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19



Tgt Ion:172 Resp: 389872
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 23.0 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.571 min Scan# 2415
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Instrument :

BNA_G

ClientSampleId :

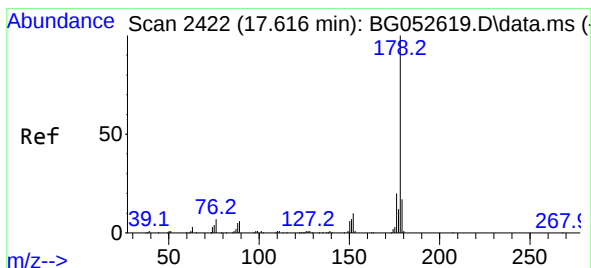
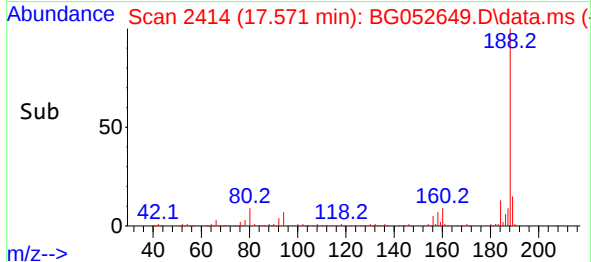
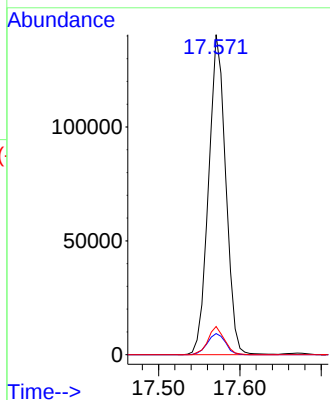
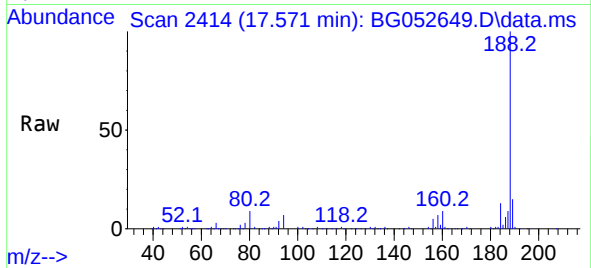
MB-B1-030922-0-2

Tgt Ion:188 Resp: 20598
Ion Ratio Lower Upper
188 100
94 6.6 5.7 8.5
80 8.8 7.2 10.8

Manual Integrations

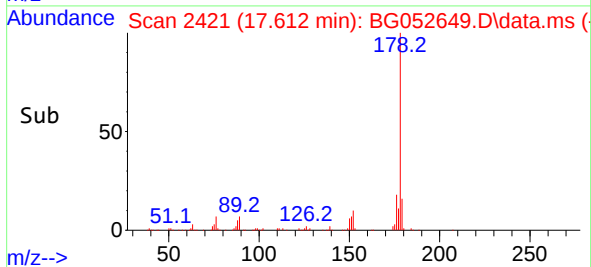
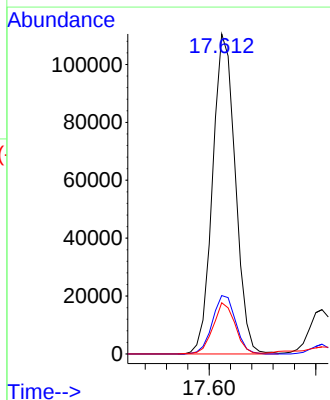
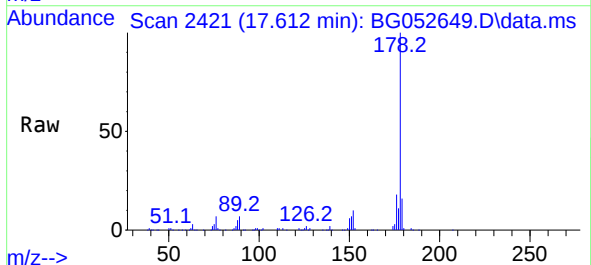
APPROVED

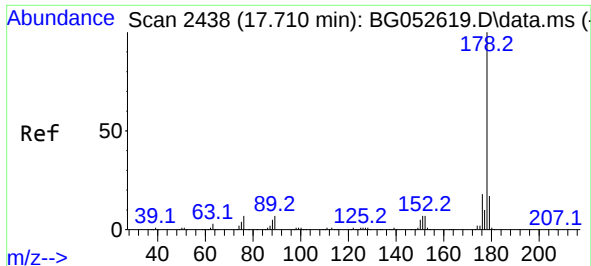
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#71
Phenanthrene
Concen: 15.106 ng
RT: 17.612 min Scan# 2421
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

Tgt Ion:178 Resp: 163251
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 16.0 13.4 20.2





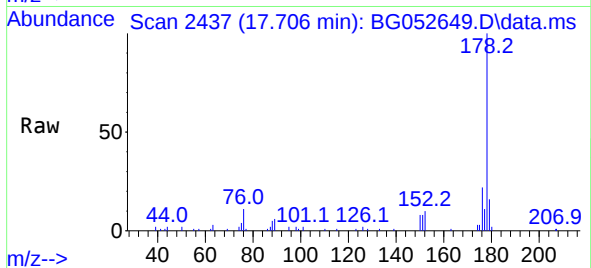
#72
 Anthracene
 Concen: 2.395 ng m
 RT: 17.706 min Scan# 2438
 Delta R.T. -0.004 min
 Lab File: BG052649.D
 Acq: 11 Mar 2022 16:19

Instrument :

BNA_G

ClientSampleId :

MB-B1-030922-0-2

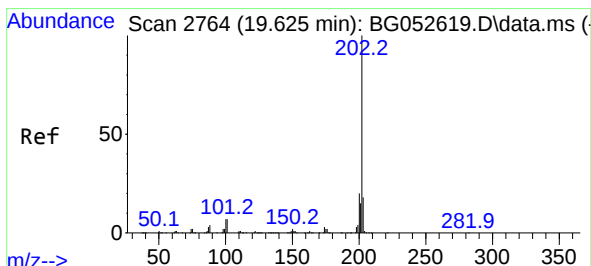
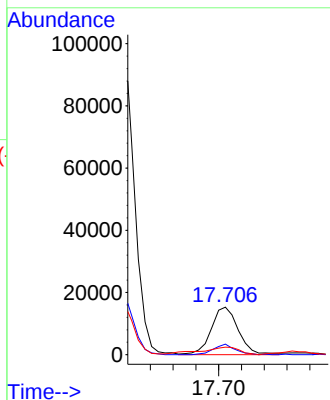
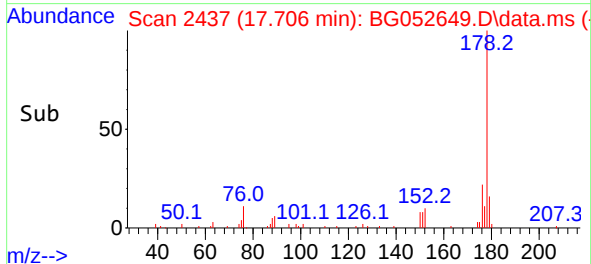


Tgt Ion:178 Resp: 2534
 Ion Ratio Lower Upper
 178 100
 176 22.2 14.7 22.1
 179 15.9 13.2 19.8

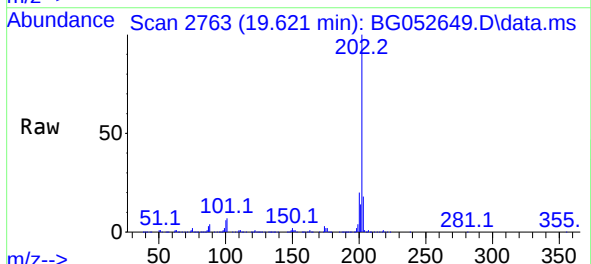
Manual Integrations

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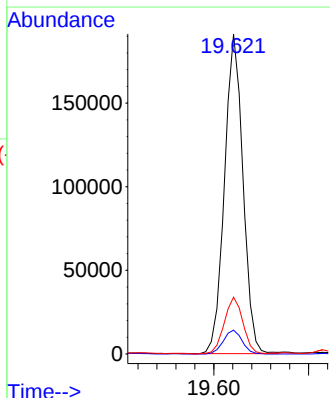
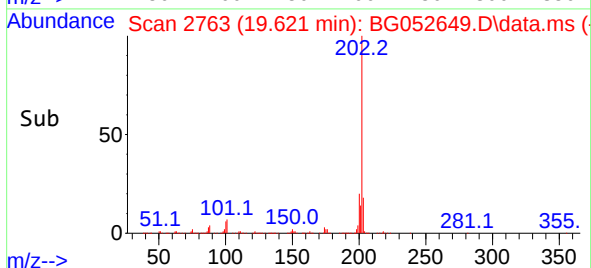
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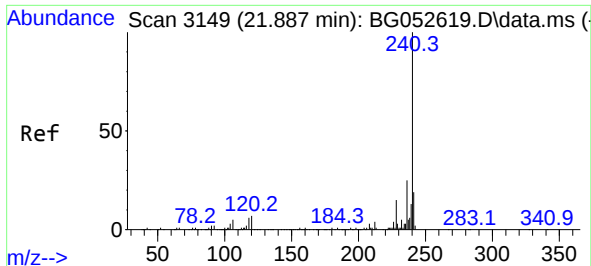


#75
 Fluoranthene
 Concen: 19.177 ng
 RT: 19.621 min Scan# 2763
 Delta R.T. -0.004 min
 Lab File: BG052649.D
 Acq: 11 Mar 2022 16:19



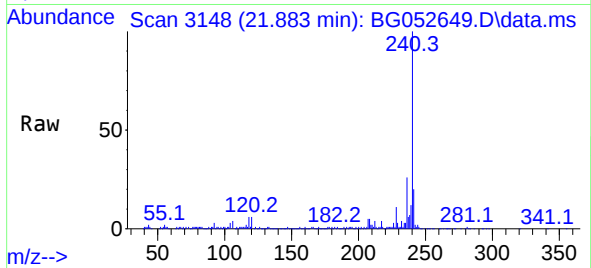
Tgt Ion:202 Resp: 258774
 Ion Ratio Lower Upper
 202 100
 101 7.5 0.0 27.3
 203 17.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.883 min Scan# 3149
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

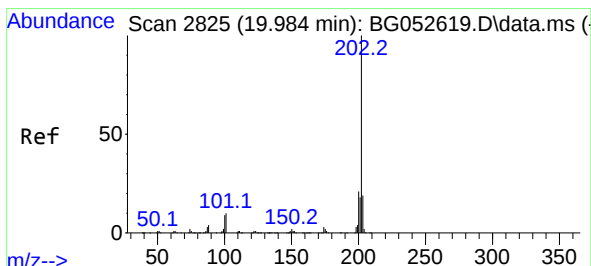
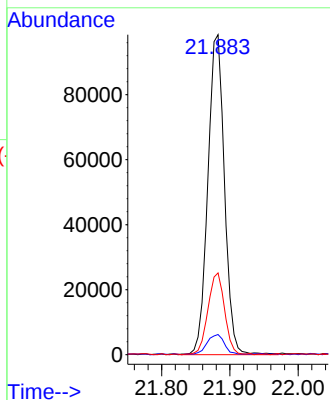
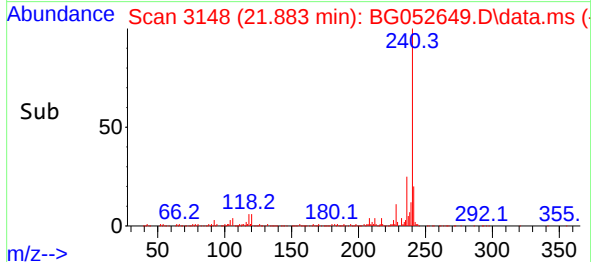
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Tgt Ion:240 Resp: 16714
Ion Ratio Lower Upper
240 100
120 6.3 5.4 8.0
236 25.5 19.8 29.6

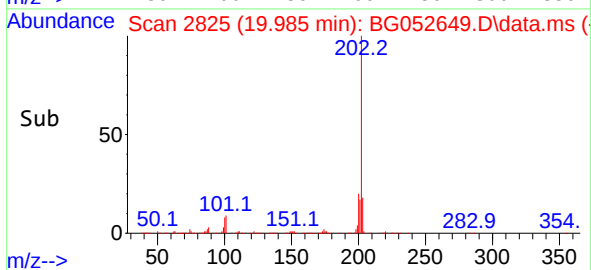
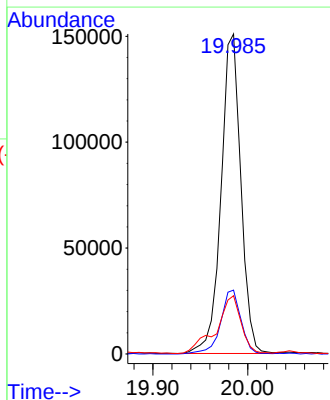
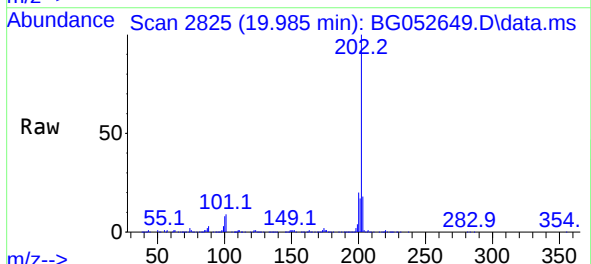
Manual Integrations
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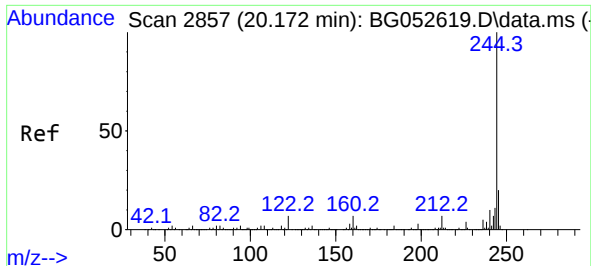
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#78
Pyrene
Concen: 19.610 ng
RT: 19.985 min Scan# 2825
Delta R.T. 0.002 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

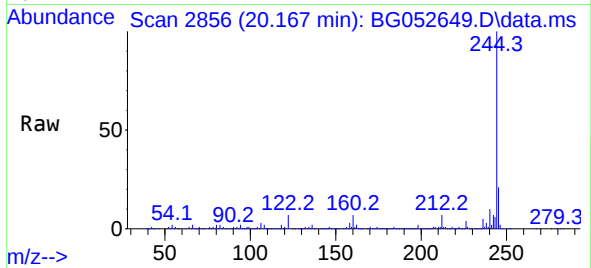
Tgt Ion:202 Resp: 219084
Ion Ratio Lower Upper
202 100
200 20.0 17.0 25.6
203 18.2 15.0 22.6





#79
Terphenyl-d14
Concen: 62.427 ng
RT: 20.167 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

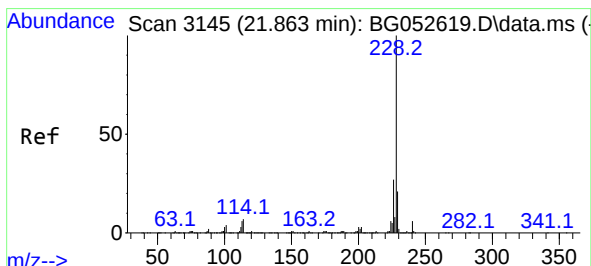
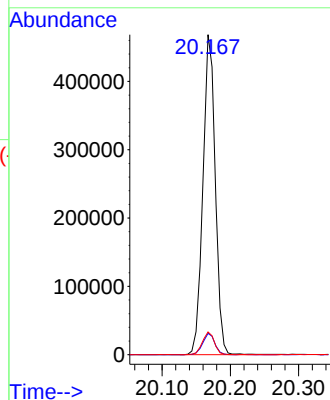
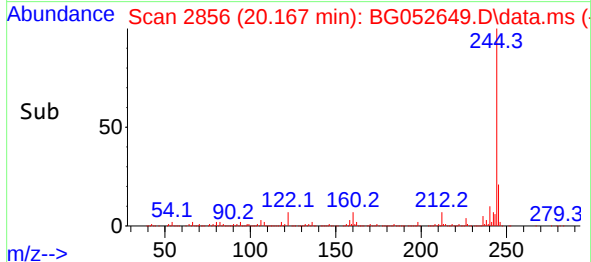
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2



Tgt Ion:244 Resp: 589652
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 7.1 5.8 8.6

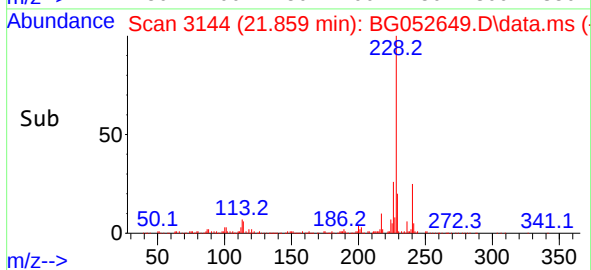
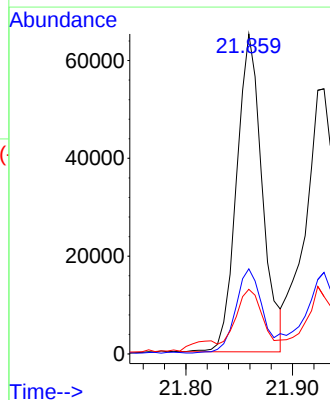
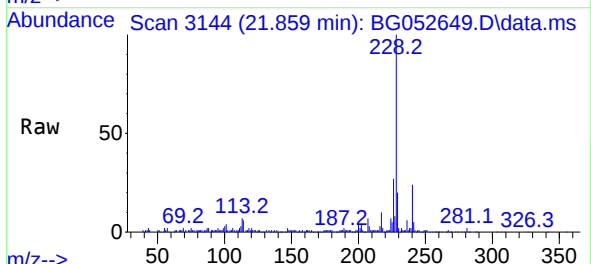
Manual Integrations
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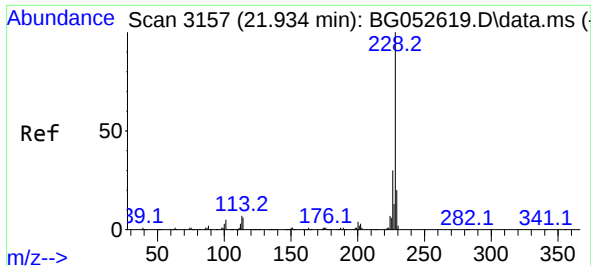
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#81
Benzo(a)anthracene
Concen: 9.713 ng
RT: 21.859 min Scan# 3144
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

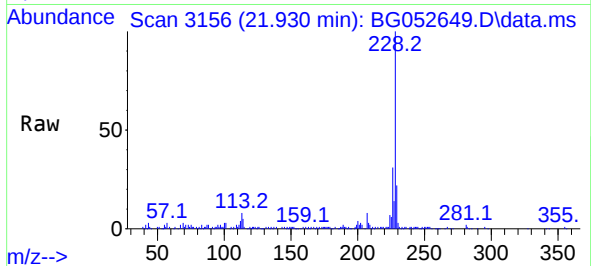
Tgt Ion:228 Resp: 108774
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.0
229 20.2 16.7 25.1





#83
Chrysene
Concen: 10.176 ng
RT: 21.930 min Scan# 3157
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

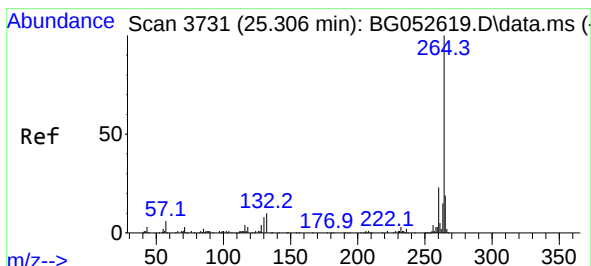
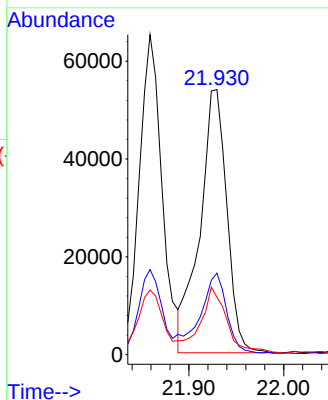
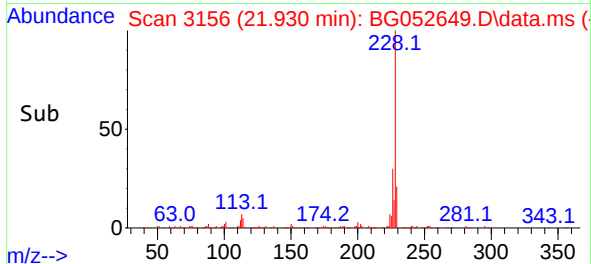
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2



Tgt Ion:228 Resp: 10654
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.4
229 21.6 16.3 24.5

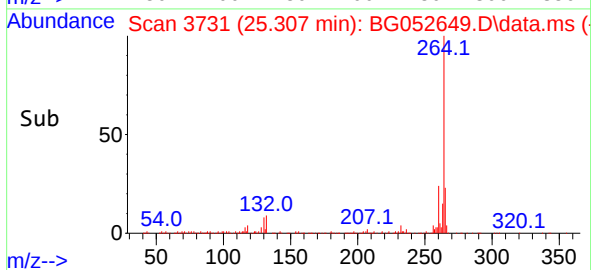
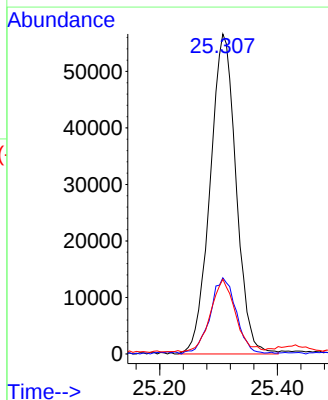
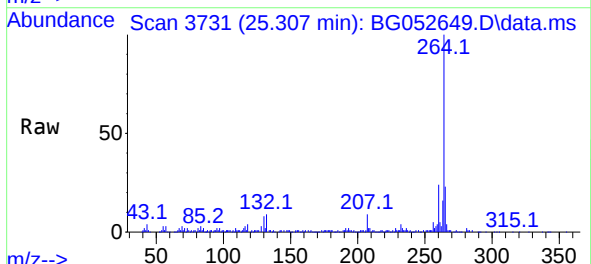
Manual Integrations
APPROVED

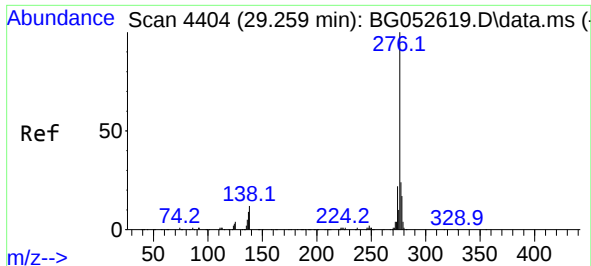
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.307 min Scan# 3731
Delta R.T. 0.001 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

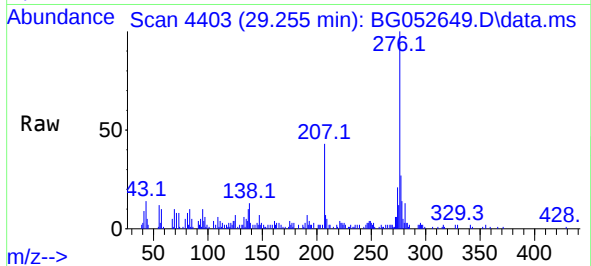
Tgt Ion:264 Resp: 173449
Ion Ratio Lower Upper
264 100
260 23.8 18.2 27.2
265 23.3 15.1 22.7#





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.082 ng
RT: 29.255 min Scan# 4404
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

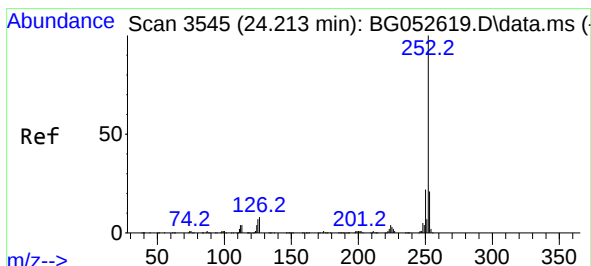
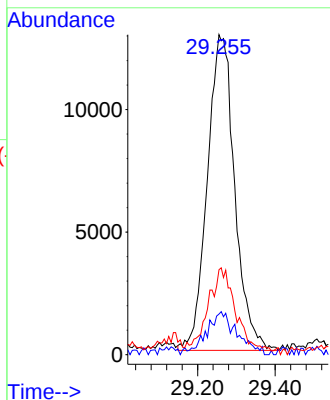
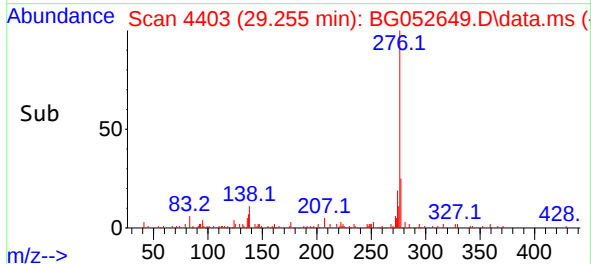
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2



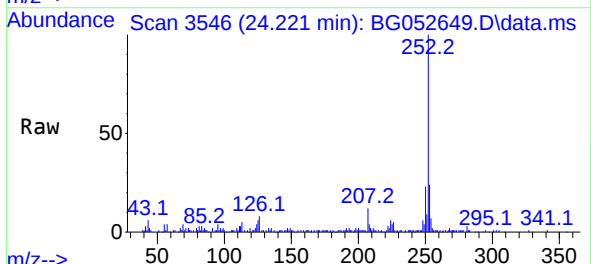
Tgt Ion:276 Resp: 63174
Ion Ratio Lower Upper
276 100
138 8.6 8.7 13.1
277 26.0 20.2 30.4

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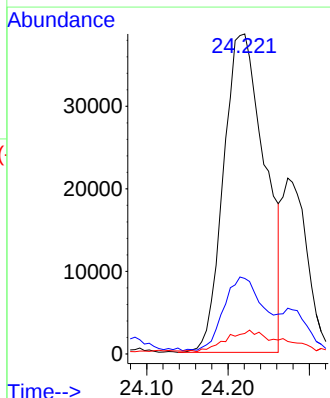
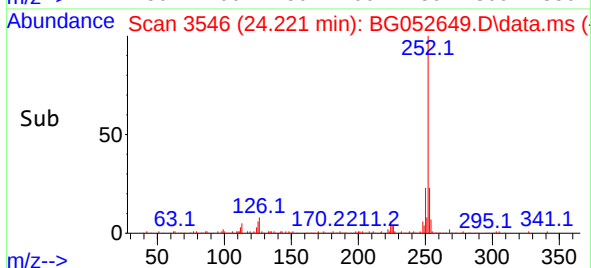
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

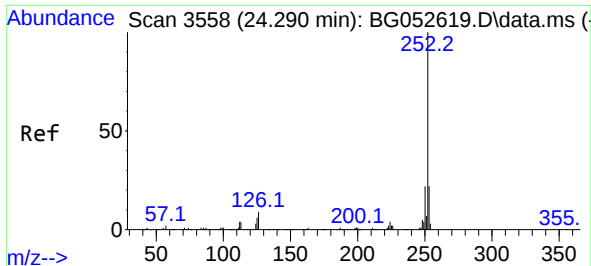


#88
Benzo(b)fluoranthene
Concen: 12.731 ng
RT: 24.221 min Scan# 3546
Delta R.T. 0.007 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19



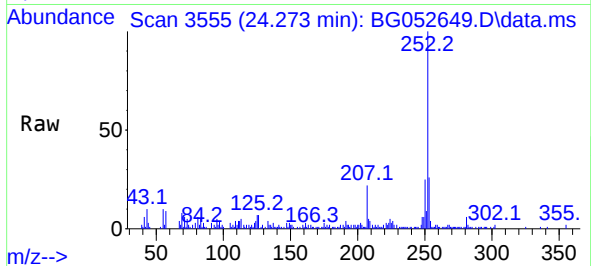
Tgt Ion:252 Resp: 136333
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 6.4 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 4.204 ng m
RT: 24.273 min Scan# 3555
Delta R.T. -0.016 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

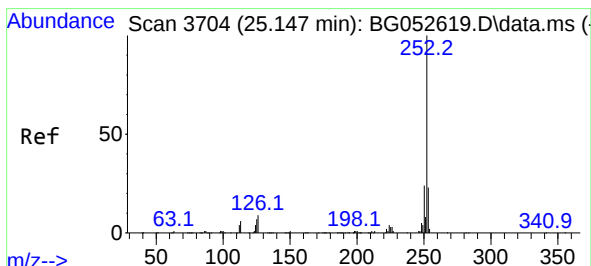
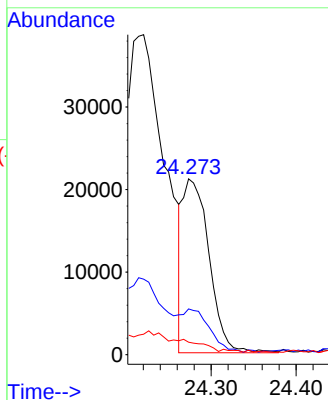
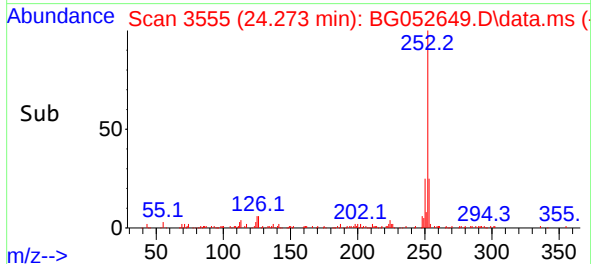
Instrument :
BNA_G
ClientSampleId :
MB-B1-030922-0-2



Tgt Ion:252 Resp: 45280
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.0
125 7.1 5.0 7.4

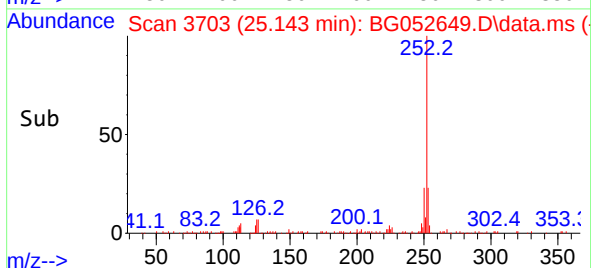
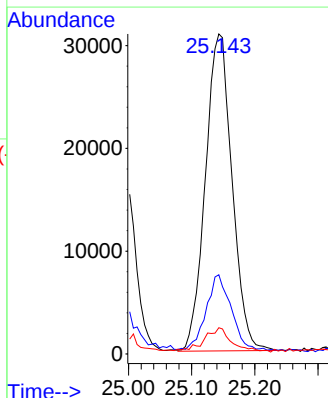
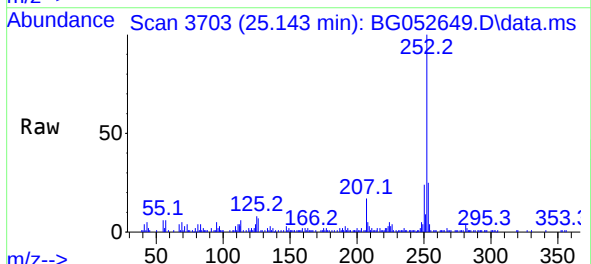
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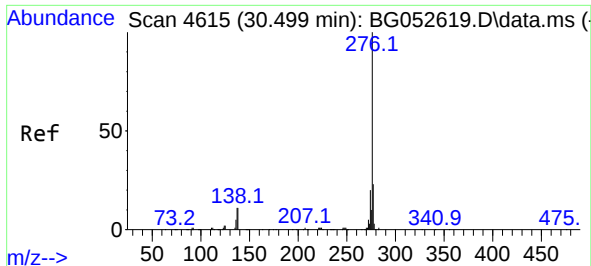
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#90
Benzo(a)pyrene
Concen: 9.982 ng
RT: 25.143 min Scan# 3703
Delta R.T. -0.004 min
Lab File: BG052649.D
Acq: 11 Mar 2022 16:19

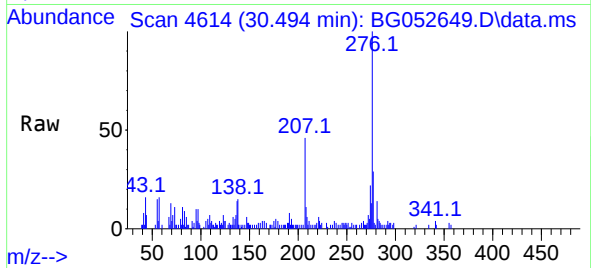
Tgt Ion:252 Resp: 90448
Ion Ratio Lower Upper
252 100
253 24.8 18.4 27.6
125 8.2 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 5.975 ng
 RT: 30.494 min Scan# 4615
 Delta R.T. -0.004 min
 Lab File: BG052649.D
 Acq: 11 Mar 2022 16:19

Instrument :
 BNA_G
 ClientSampleId :
 MB-B1-030922-0-2



Tgt Ion: 276 Resp: 60154

Ion	Ratio	Lower	Upper
276	100		
277	29.0	18.2	27.2
138	15.2	9.1	13.7

Manual Integrations
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Reviewed By : Christian Giraldo 03/14/2022
 Supervised By : Jagrut Upadhyay 03/14/2022

