

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
 Data File : BG053066.D
 Acq On : 6 Apr 2022 22:20
 Operator : CG/JU
 Sample : N2237-07 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A01040

Manual Integrations
 APPROVED

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

Quant Time: Apr 07 04:11:27 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	8.130	152	43129	20.000	ng	0.00
21) Naphthalene-d8	10.938	136	175987	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	124325	20.000	ng	0.00
64) Phenanthrene-d10	17.494	188	250059	20.000	ng	0.00
76) Chrysene-d12	21.777	240	213980	20.000	ng	0.00
86) Perylene-d12	25.090	264	223419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	48216	19.469	ng	0.00
7) Phenol-d6	7.285	99	72718	19.477	ng	0.00
23) Nitrobenzene-d5	9.288	82	56059	15.988	ng	0.00
42) 2,4,6-Tribromophenol	16.231	330	31163	18.654	ng	0.00
45) 2-Fluorobiphenyl	13.370	172	117616	13.953	ng	0.00
79) Terphenyl-d14	20.091	244	144325	11.998	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.535	178	231054	17.272	ng	98
72) Anthracene	17.623	178	48928	3.700	ng	97
75) Fluoranthene	19.538	202	432375	25.462	ng	99
78) Pyrene	19.903	202	357504	24.086	ng	98
81) Benzo(a)anthracene	21.759	228	211194	14.740	ng	95
83) Chrysene	21.824	228	187466	13.917	ng	98
87) Indeno(1,2,3-cd)pyrene	28.879	276	96578	6.315	ng	# 92
88) Benzo(b)fluoranthene	24.032	252	234326	16.892	ng	96
89) Benzo(k)fluoranthene	24.091	252	85607m	6.272	ng	
90) Benzo(a)pyrene	24.931	252	161546	13.757	ng	99
92) Benzo(g,h,i)perylene	30.060	276	79141	6.348	ng	# 91

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

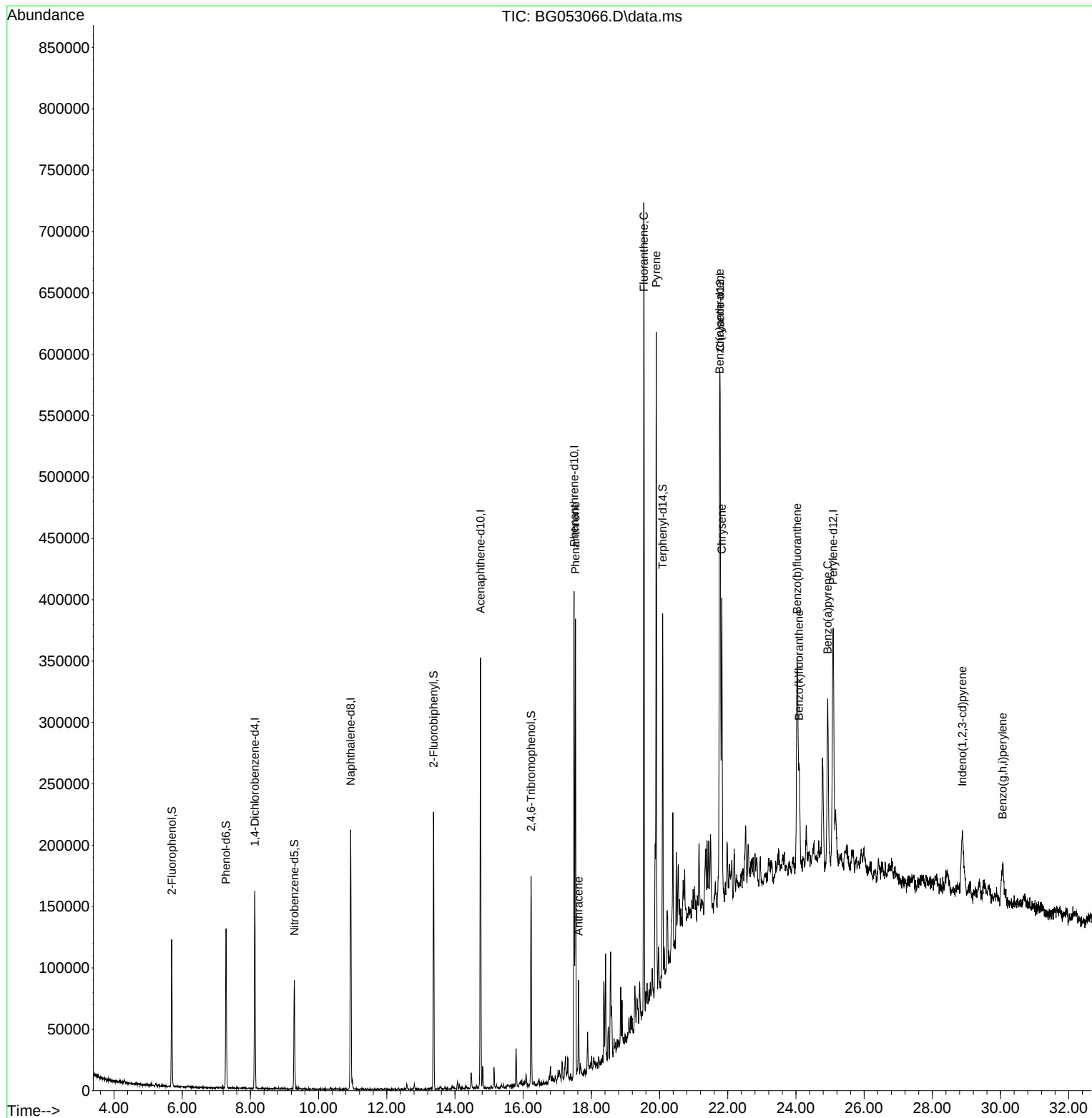
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040622\
Data File : BG053066.D
Acq On : 6 Apr 2022 22:20
Operator : CG/JU
Sample : N2237-07 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

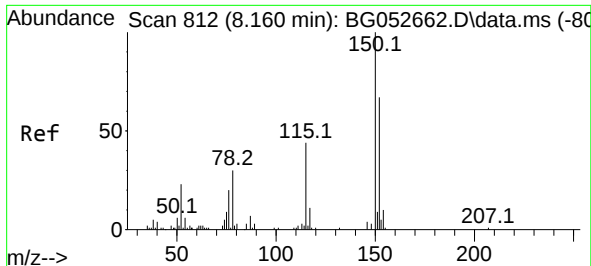
Instrument :
BNA_G
ClientSampleId :
A01040

Quant Time: Apr 07 04:11:27 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

Manual Integrations
APPROVED

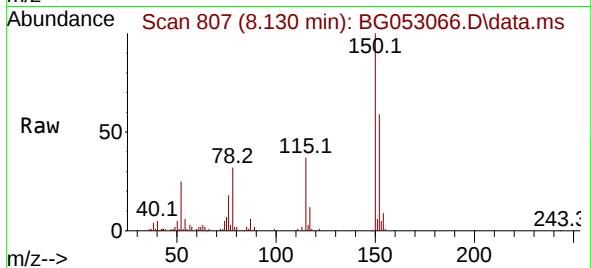
Reviewed By : Christian Giraldo 04/07/2022
Supervised By : Jagrut Upadhyay 04/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.130 min Scan# 807
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

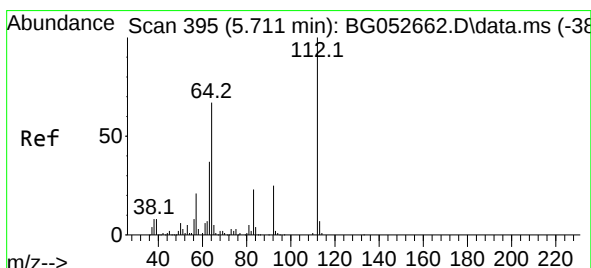
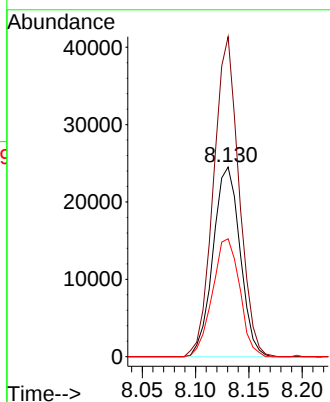
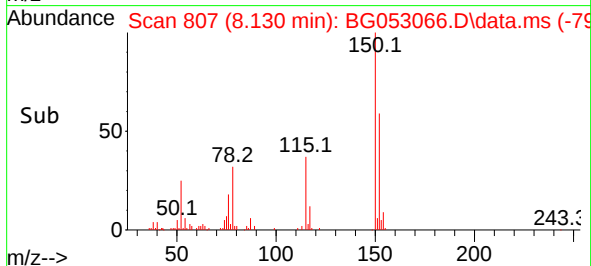
Instrument :
BNA_G
ClientSampleId :
A01040



Tgt Ion:152 Resp: 43129
Ion Ratio Lower Upper
152 100
150 168.8 114.6 172.0
115 62.2 45.9 68.9

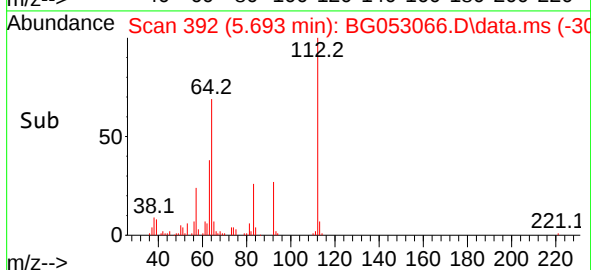
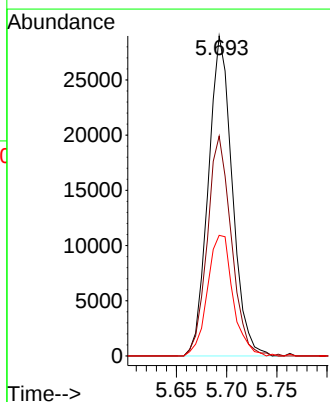
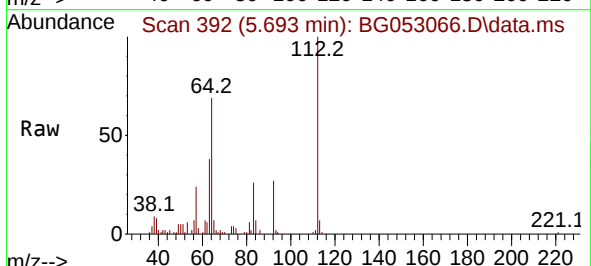
Manual Integrations
APPROVED

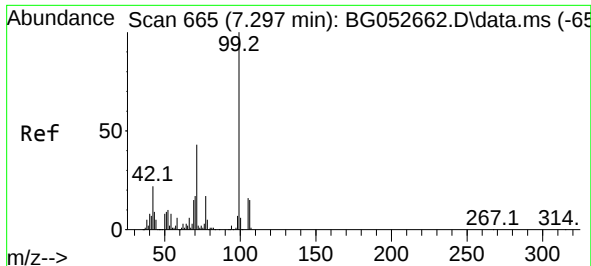
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#5
2-Fluorophenol
Concen: 19.469 ng
RT: 5.693 min Scan# 392
Delta R.T. 0.008 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:112 Resp: 48216
Ion Ratio Lower Upper
112 100
64 68.7 48.0 72.0
63 37.7 26.5 39.7





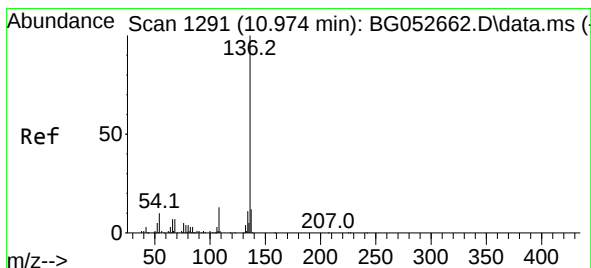
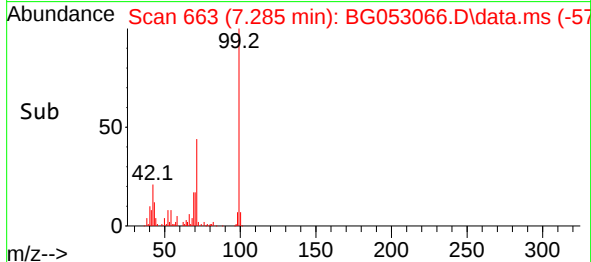
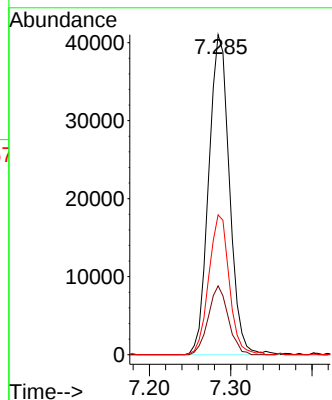
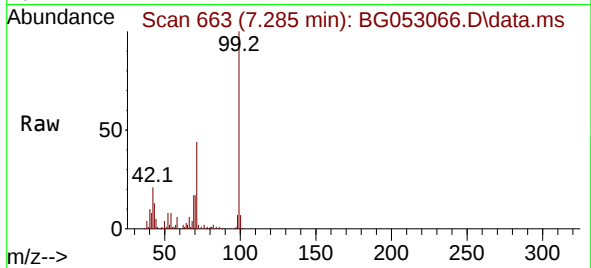
#7
Phenol-d6
Concen: 19.477 ng
RT: 7.285 min Scan# 60
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Instrument :
BNA_G
ClientSampleId :
A01040

Tgt Ion: 99 Resp: 72718
Ion Ratio Lower Upper
99 100
42 21.5 14.7 22.1
71 43.7 29.2 43.8

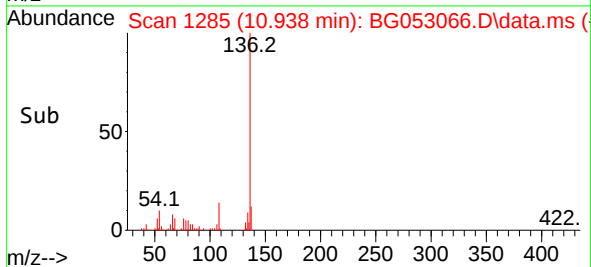
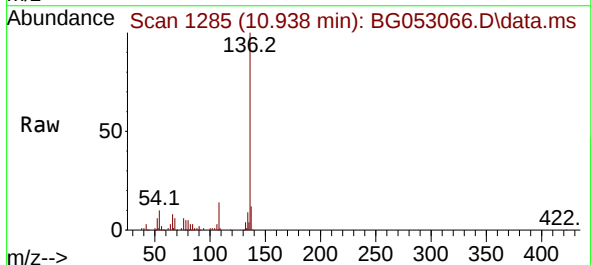
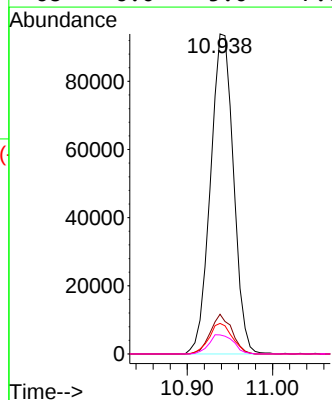
Manual Integrations
APPROVED

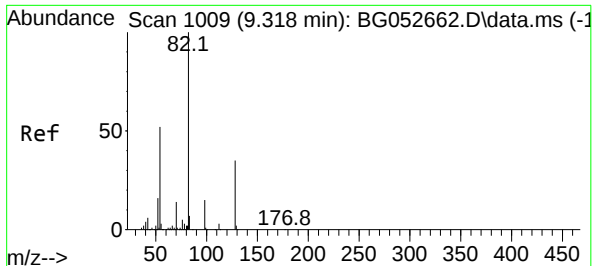
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.938 min Scan# 1285
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:136 Resp: 175987
Ion Ratio Lower Upper
136 100
137 12.4 9.4 14.2
54 9.6 6.4 9.6
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 15.988 ng

RT: 9.288 min Scan# 1004

Delta R.T. -0.003 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040

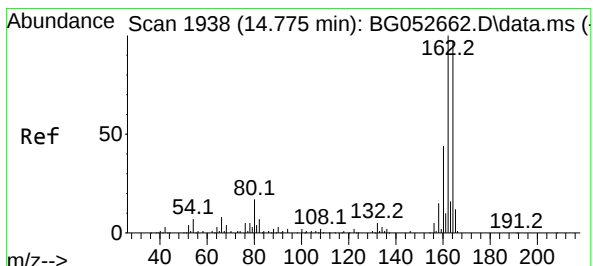
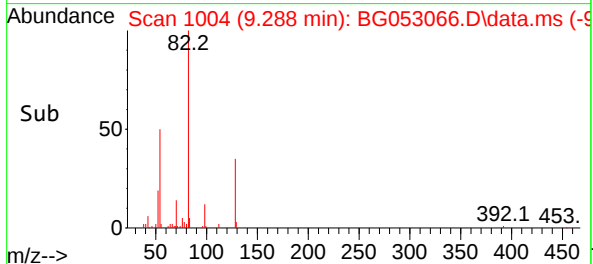
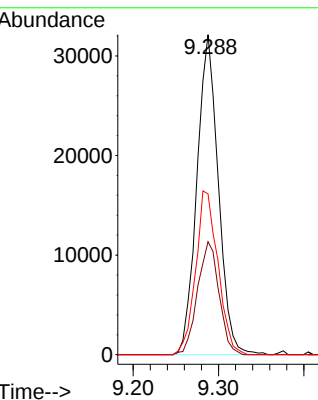
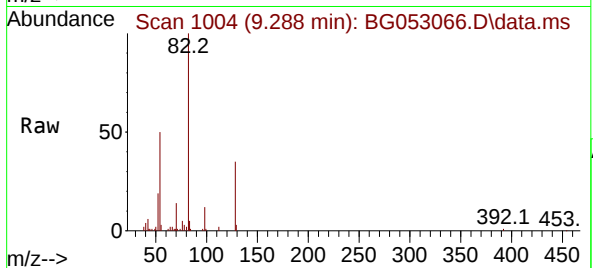
Tgt Ion: 82	Resp: 5605
Ion Ratio	Lower Upper
82 100	
128 35.3	31.3 46.9
54 50.3	37.8 56.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2022

Supervised By :Jagrut Upadhyay 04/07/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

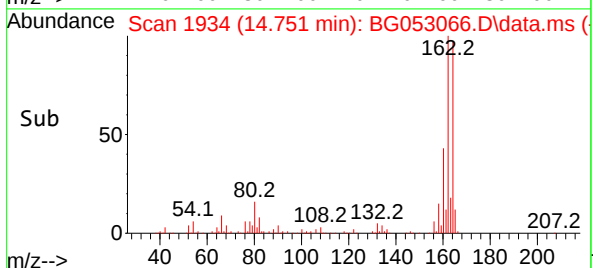
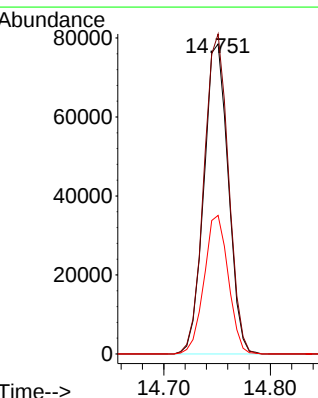
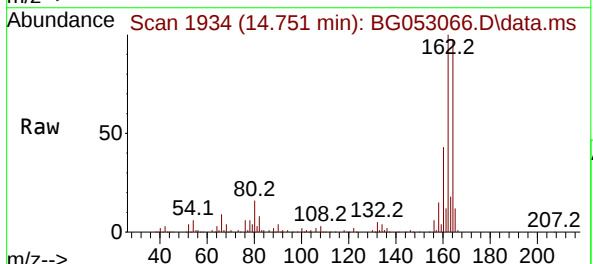
RT: 14.751 min Scan# 1934

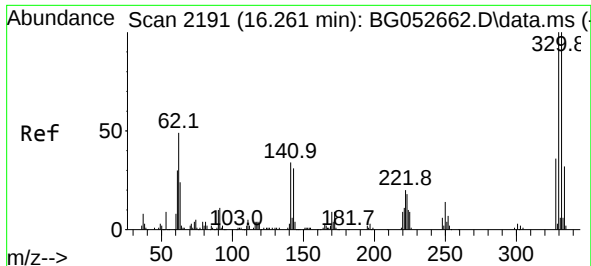
Delta R.T. 0.002 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

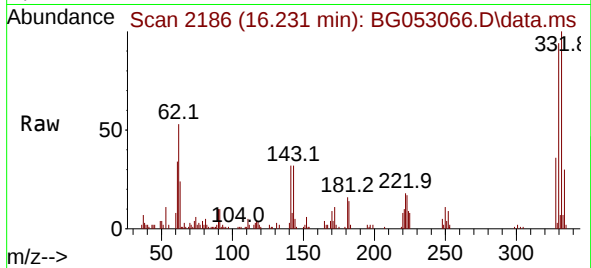
Tgt Ion:164	Resp: 124325
Ion Ratio	Lower Upper
164 100	
162 103.2	80.0 120.0
160 44.7	38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 18.654 ng
RT: 16.231 min Scan# 2191
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

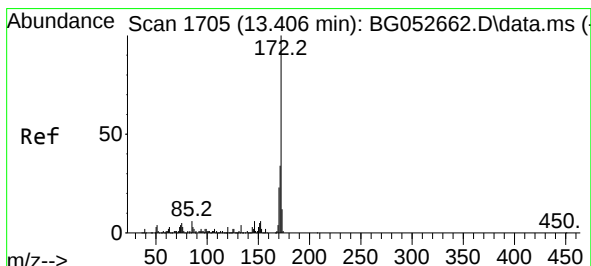
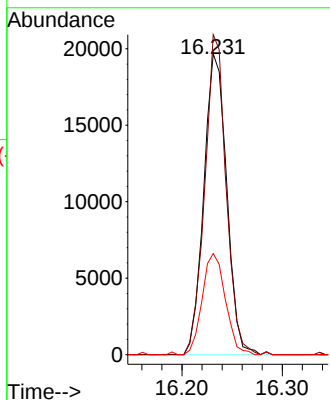
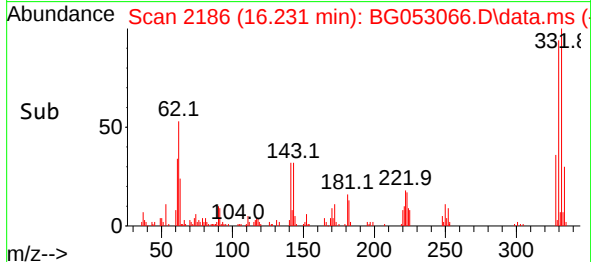
Instrument :
BNA_G
ClientSampleId :
A01040



Tgt Ion:330 Resp: 3116
Ion Ratio Lower Upper
330 100
332 99.7 75.8 113.6
141 34.0 24.6 36.8

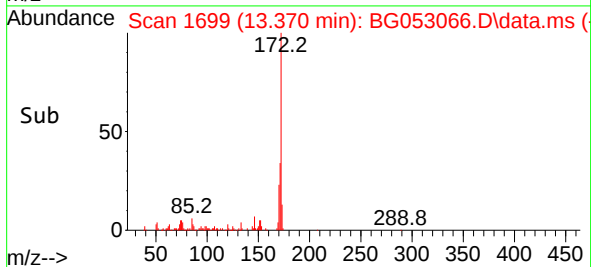
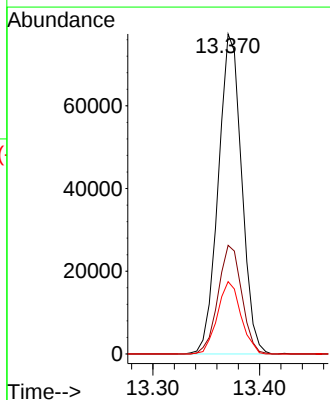
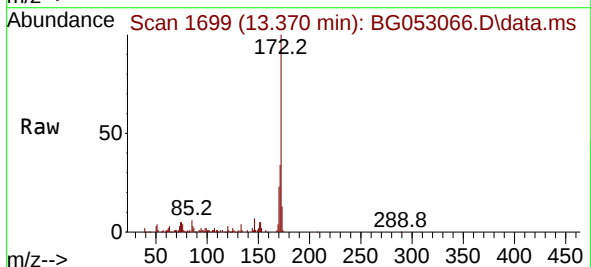
Manual Integrations
APPROVED

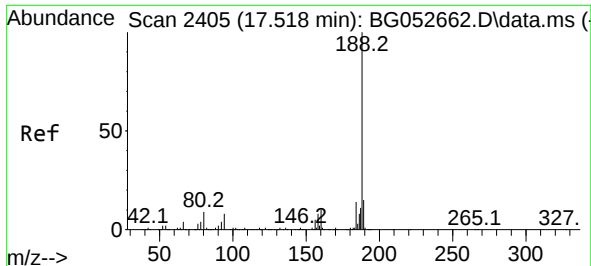
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#45
2-Fluorobiphenyl
Concen: 13.953 ng
RT: 13.370 min Scan# 1699
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:172 Resp: 117616
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.6 18.0 27.0





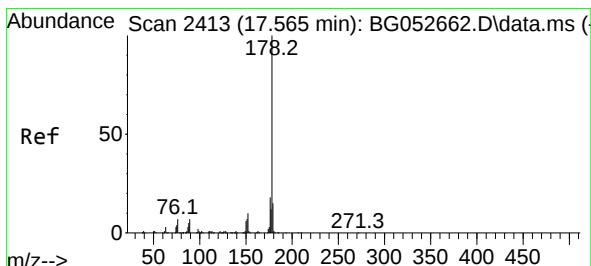
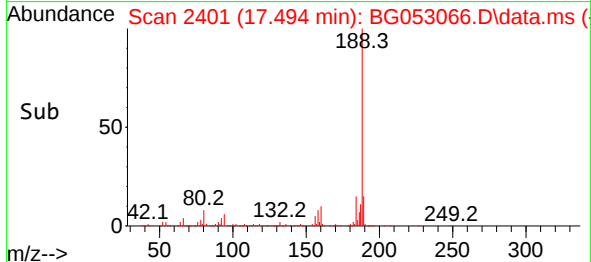
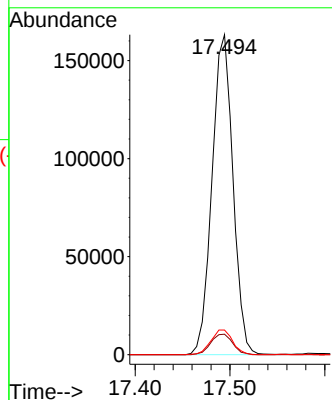
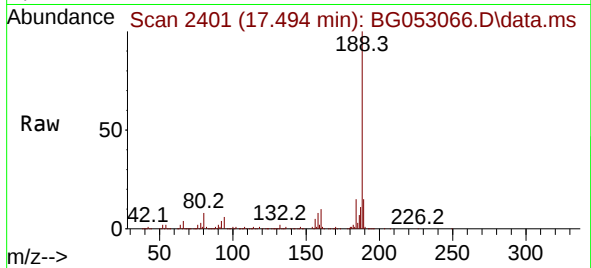
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.494 min Scan# 2405
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Instrument :
BNA_G
ClientSampleId :
A01040

Tgt Ion:188 Resp: 25005
Ion Ratio Lower Upper
188 100
94 6.4 5.7 8.5
80 7.7 7.2 10.8

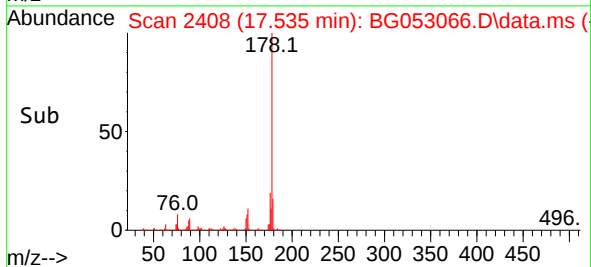
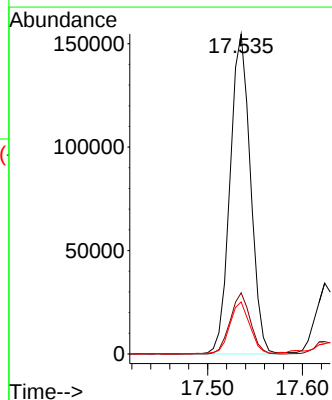
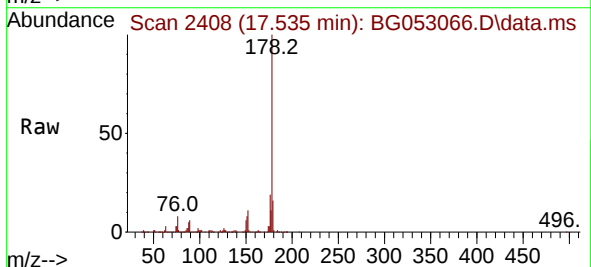
Manual Integrations
APPROVED

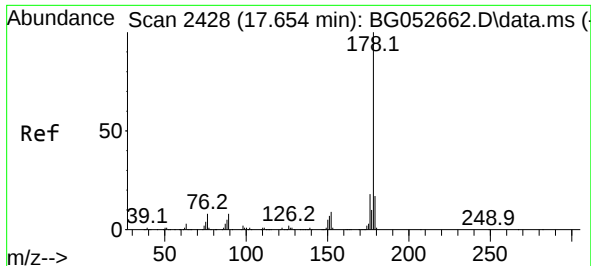
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#71
Phenanthrene
Concen: 17.272 ng
RT: 17.535 min Scan# 2408
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

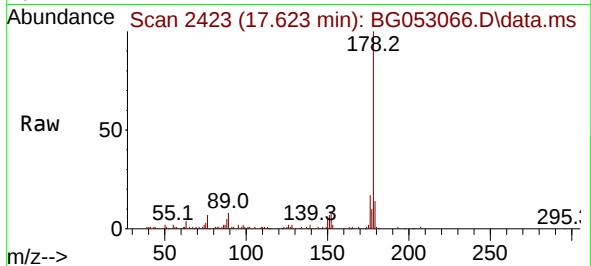
Tgt Ion:178 Resp: 231054
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 16.2 13.4 20.2





#72
 Anthracene
 Concen: 3.700 ng
 RT: 17.623 min Scan# 2428
 Delta R.T. -0.003 min
 Lab File: BG053066.D
 Acq: 6 Apr 2022 22:20

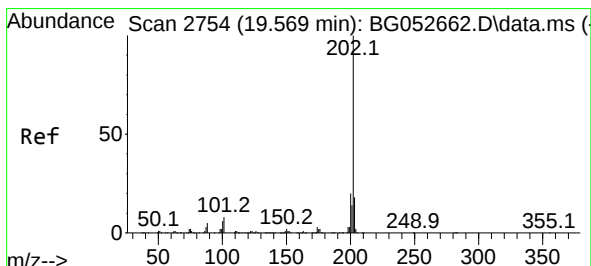
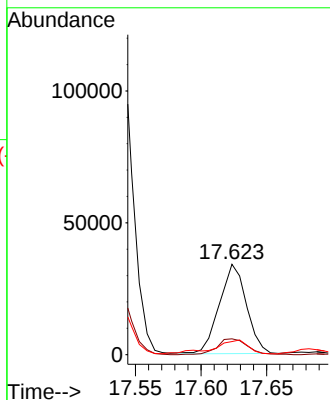
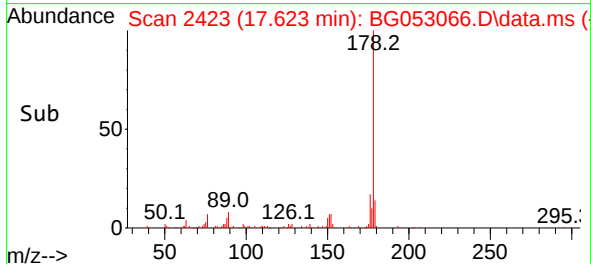
Instrument :
 BNA_G
 ClientSampleId :
 A01040



Tgt Ion:178 Resp: 48928
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.7 22.1
 179 14.5 13.2 19.8

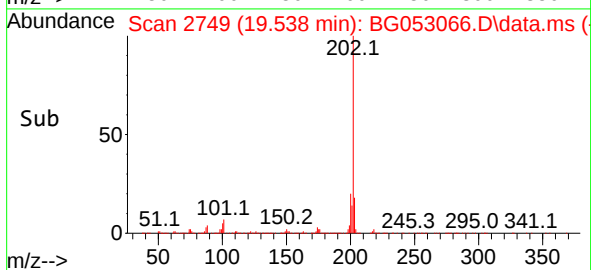
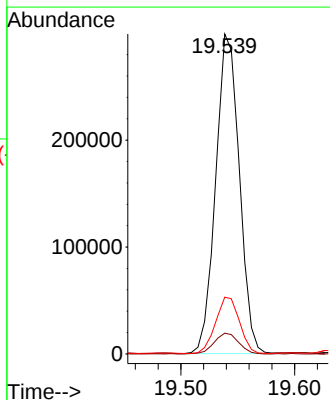
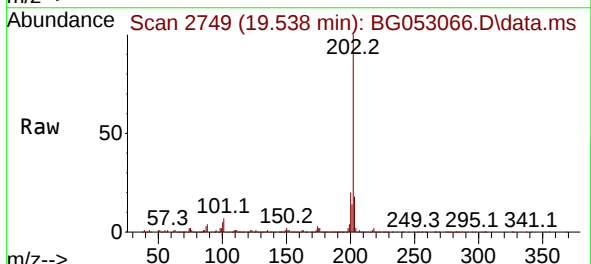
Manual Integrations
 APPROVED

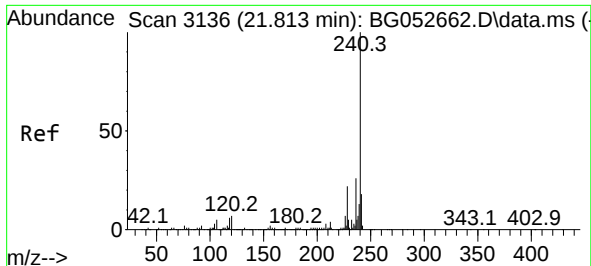
Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/07/2022



#75
 Fluoranthene
 Concen: 25.462 ng
 RT: 19.538 min Scan# 2749
 Delta R.T. -0.003 min
 Lab File: BG053066.D
 Acq: 6 Apr 2022 22:20

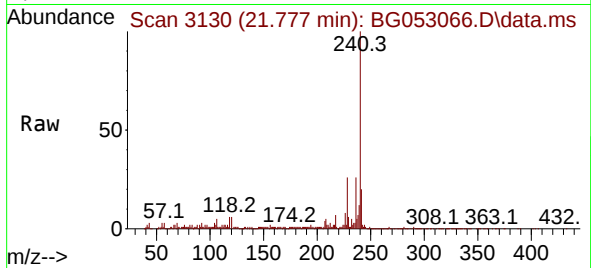
Tgt Ion:202 Resp: 432375
 Ion Ratio Lower Upper
 202 100
 101 6.5 0.0 27.3
 203 17.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.777 min Scan# 3136
Delta R.T. -0.003 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

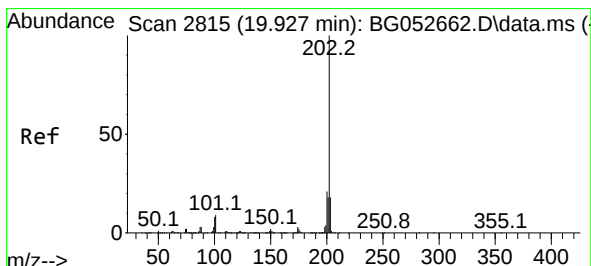
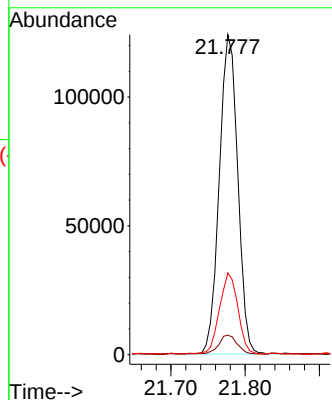
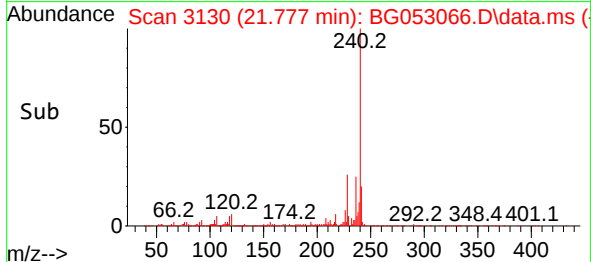
Instrument :
BNA_G
ClientSampleId :
A01040



Tgt Ion:240 Resp: 213980
Ion Ratio Lower Upper
240 100
120 6.1 5.4 8.0
236 25.6 19.8 29.6

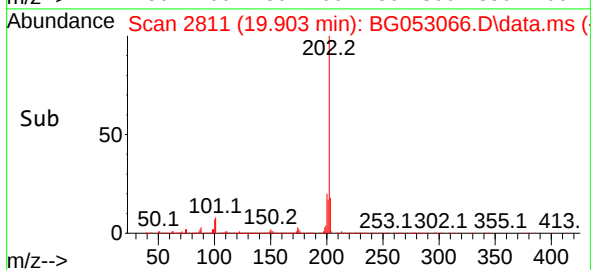
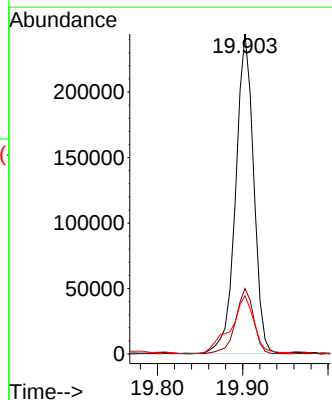
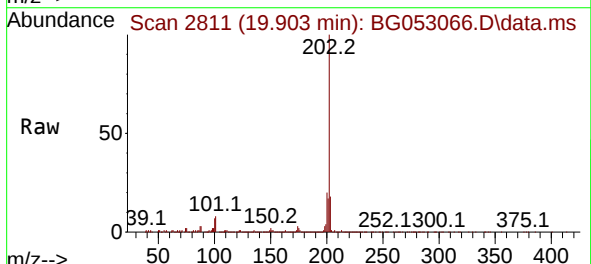
Manual Integrations
APPROVED

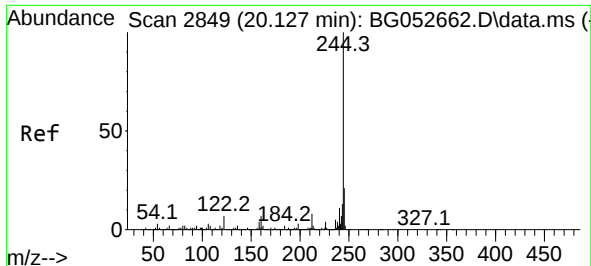
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#78
Pyrene
Concen: 24.086 ng
RT: 19.903 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

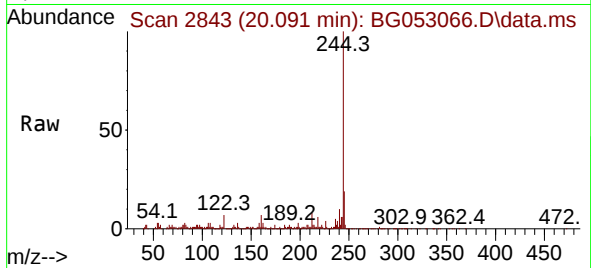
Tgt Ion:202 Resp: 357504
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.6
203 18.2 15.0 22.6





#79
 Terphenyl-d14
 Concen: 11.998 ng
 RT: 20.091 min Scan# 2166
 Delta R.T. -0.003 min
 Lab File: BG053066.D
 Acq: 6 Apr 2022 22:20

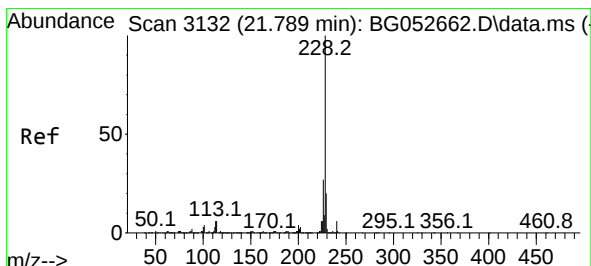
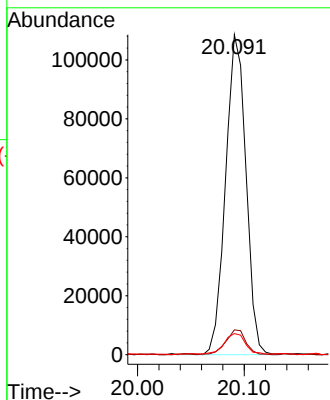
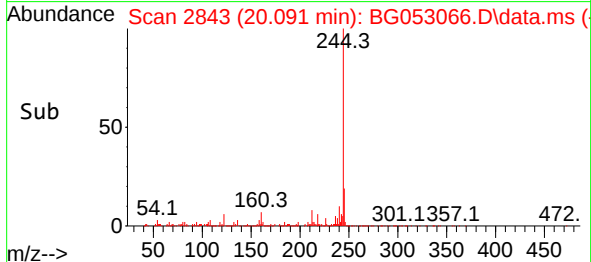
Instrument :
 BNA_G
 ClientSampleId :
 A01040



Tgt Ion:244 Resp: 144329
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.4 8.2
 122 6.6 5.8 8.6

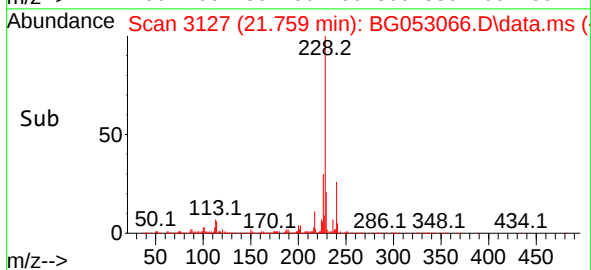
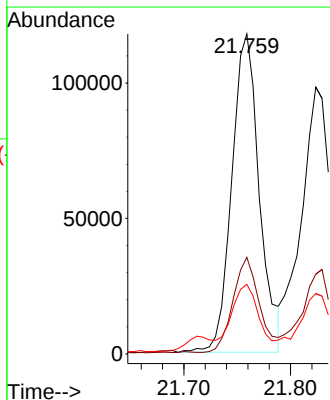
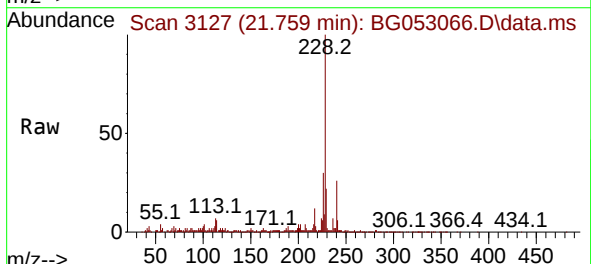
Manual Integrations
 APPROVED

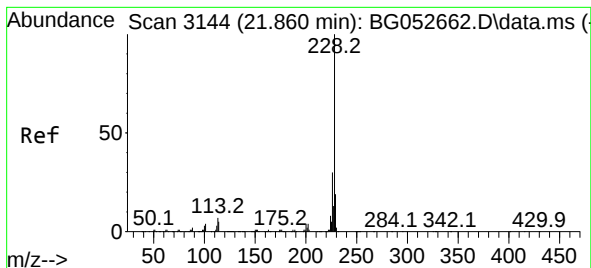
Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/07/2022



#81
 Benzo(a)anthracene
 Concen: 14.740 ng
 RT: 21.759 min Scan# 3127
 Delta R.T. 0.002 min
 Lab File: BG053066.D
 Acq: 6 Apr 2022 22:20

Tgt Ion:228 Resp: 211194
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.4 32.0
 229 21.8 16.7 25.1





#83

Chrysene

Concen: 13.917 ng

RT: 21.824 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040

Tgt Ion:228 Resp: 18746

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

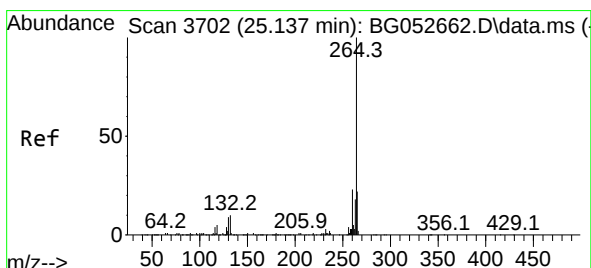
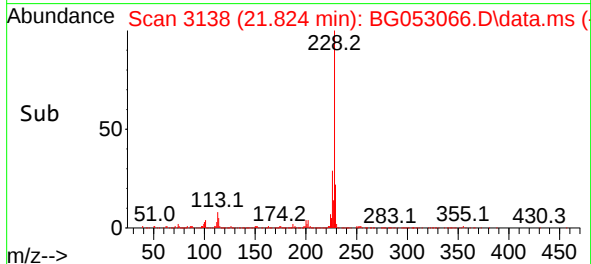
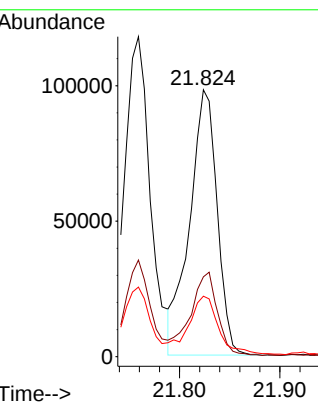
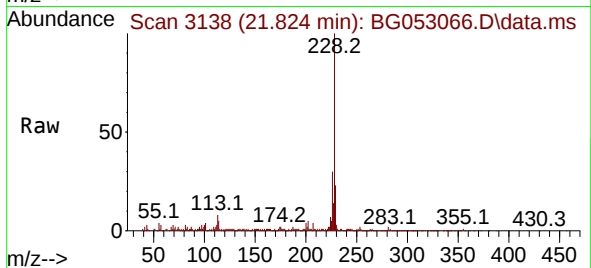
229 22.7 16.3 24.5

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: 25.090 min Scan# 3694

Delta R.T. 0.008 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

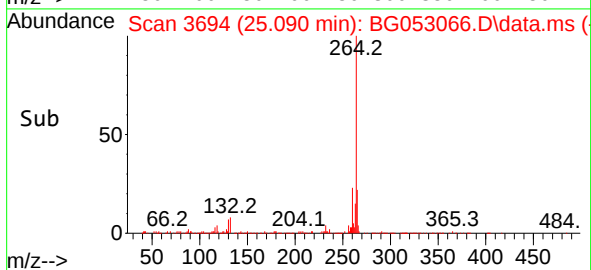
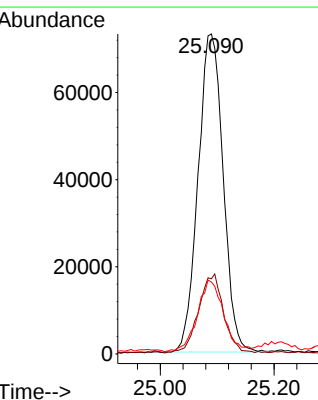
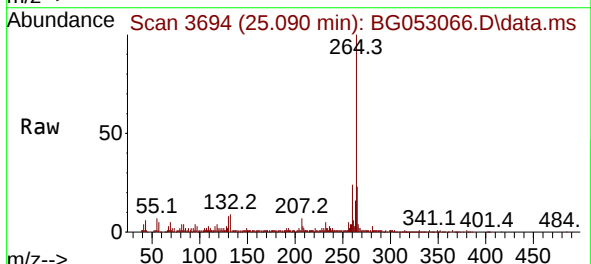
Tgt Ion:264 Resp: 223419

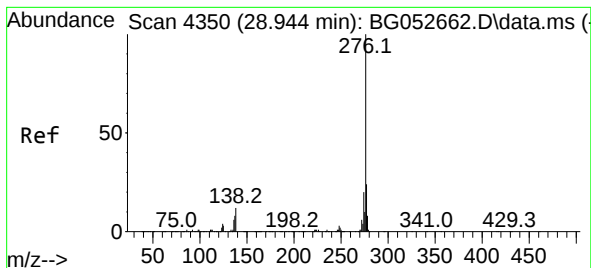
Ion Ratio Lower Upper

264 100

260 23.5 18.2 27.2

265 22.5 15.1 22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.315 ng

RT: 28.879 min Scan# 41

Delta R.T. 0.008 min

Lab File: BG053066.D

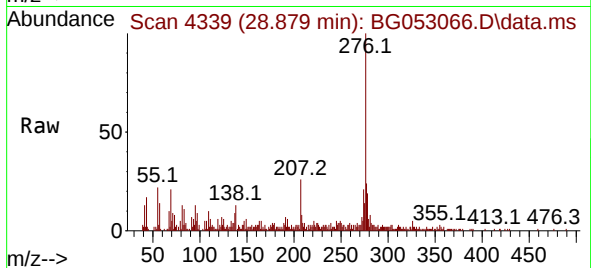
Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040



Tgt Ion:276 Resp: 96578

Ion Ratio Lower Upper

276 100

138 3.5 8.7 13.1

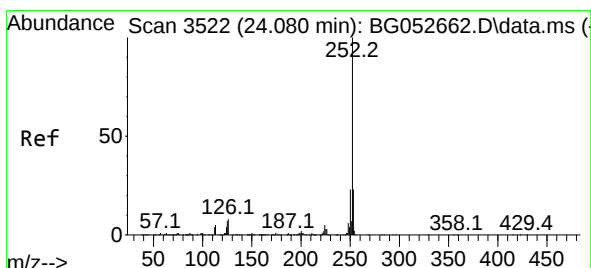
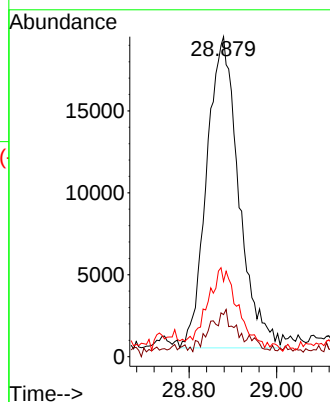
277 23.6 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2022

Supervised By :Jagrut Upadhyay 04/07/2022



#88

Benzo(b)fluoranthene

Concen: 16.892 ng

RT: 24.032 min Scan# 3514

Delta R.T. 0.002 min

Lab File: BG053066.D

Acq: 6 Apr 2022 22:20

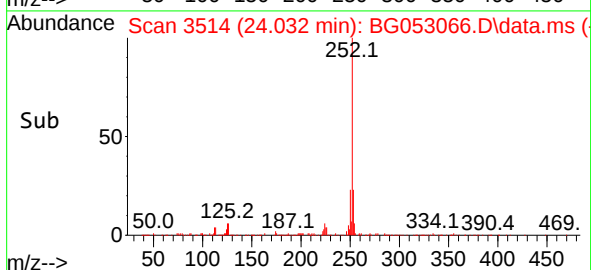
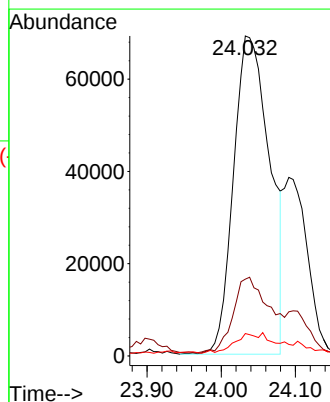
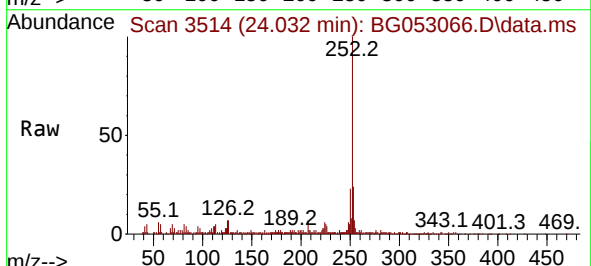
Tgt Ion:252 Resp: 234326

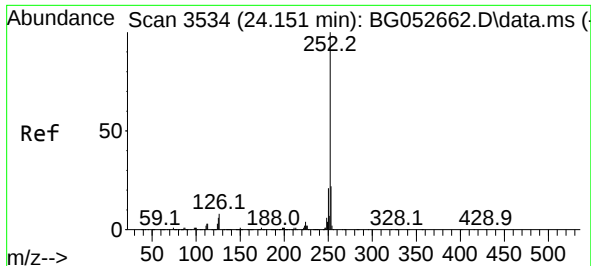
Ion Ratio Lower Upper

252 100

253 24.0 17.2 25.8

125 7.0 5.2 7.8





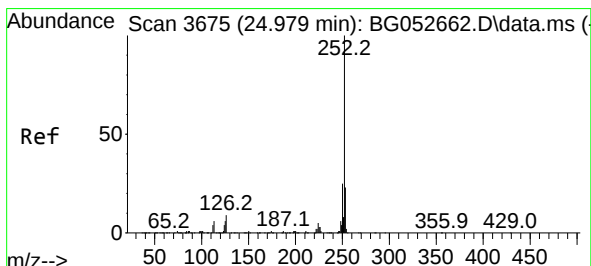
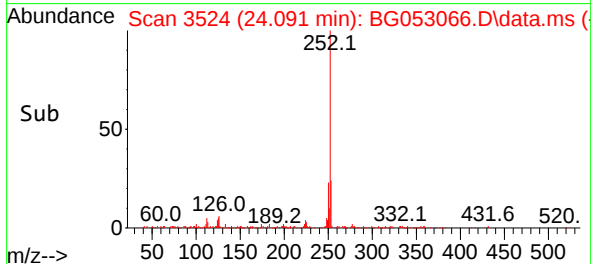
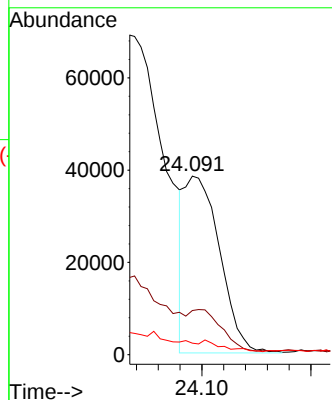
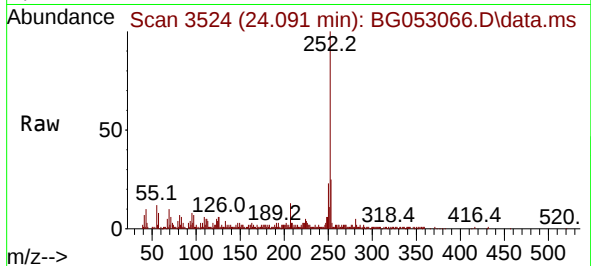
#89
Benzo(k)fluoranthene
Concen: 6.272 ng m
RT: 24.091 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Instrument :
BNA_G
ClientSampleId :
A01040

Tgt Ion:252 Resp: 8560
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.0
125 6.5 5.0 7.4

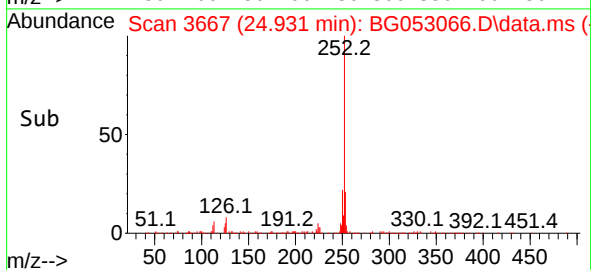
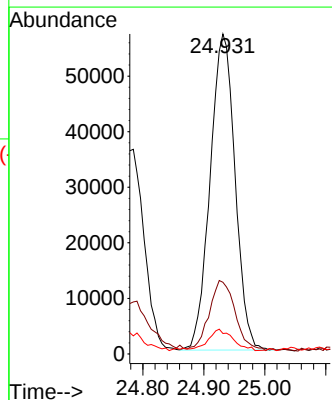
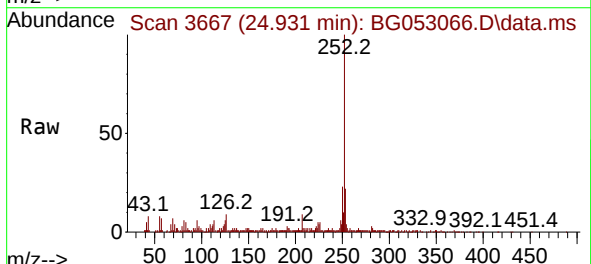
Manual Integrations
APPROVED

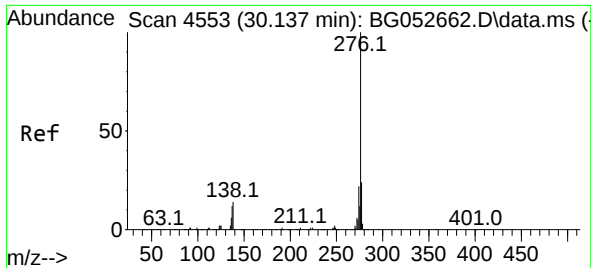
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#90
Benzo(a)pyrene
Concen: 13.757 ng
RT: 24.931 min Scan# 3667
Delta R.T. 0.002 min
Lab File: BG053066.D
Acq: 6 Apr 2022 22:20

Tgt Ion:252 Resp: 161546
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 6.4 5.6 8.4





#92

Benzo(g,h,i)perylene

Concen: 6.348 ng

RT: 30.060 min Scan# 4

Delta R.T. 0.008 min

Lab File: BG053066.D

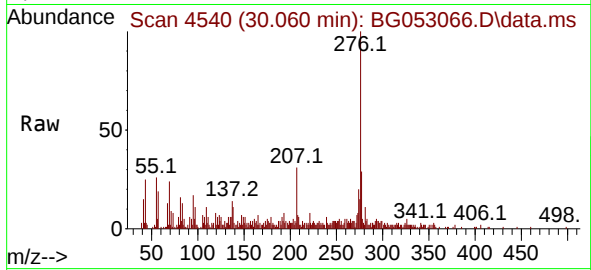
Acq: 6 Apr 2022 22:20

Instrument :

BNA_G

ClientSampleId :

A01040



Tgt Ion:276 Resp: 7914

Ion Ratio Lower Upper

276 100

277 28.7 18.2 27.2

138 11.0 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2022

Supervised By :Jagrut Upadhyay 04/07/2022

