

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
 Data File : BG054180.D
 Acq On : 30 Jun 2022 22:04
 Operator : CG/JU
 Sample : N3539-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-02-062922

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/01/2022
 Supervised By : Jagrut Upadhyay 07/01/2022

Quant Time: Jul 01 04:05:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	25448	20.000	ng	0.00
21) Naphthalene-d8	10.878	136	101932	20.000	ng	# 0.00
39) Acenaphthene-d10	14.697	164	70927	20.000	ng	0.00
64) Phenanthrene-d10	17.441	188	159204	20.000	ng	# 0.00
76) Chrysene-d12	21.719	240	168971	20.000	ng	0.00
86) Perylene-d12	24.985	264	158762	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.637	112	128933	96.868	ng	0.00
7) Phenol-d6	7.230	99	171724	95.105	ng	0.00
23) Nitrobenzene-d5	9.227	82	116122	64.019	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	112944	99.111	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	326507	66.940	ng	0.00
79) Terphenyl-d14	20.044	244	569968	67.938	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.747	142	11204	3.022	ng	93
49) Acenaphthylene	14.421	152	34745	5.588	ng	98
52) Acenaphthene	14.756	154	20411	5.150	ng	95
55) Dibenzofuran	15.091	168	32460	5.084	ng	# 91
58) Fluorene	15.737	166	72948	13.914	ng	95
71) Phenanthrene	17.482	178	745205	91.107	ng	96
72) Anthracene	17.570	178	216309	27.081	ng	99
73) Carbazole	17.841	167	61606	8.986	ng	97
75) Fluoranthene	19.498	202	1042707	97.110	ng	94
78) Pyrene	19.856	202	942413	92.344	ng	95
81) Benzo(a)anthracene	21.701	228	660180	60.342	ng	95
83) Chrysene	21.766	228	577100	55.338	ng	94
87) Indeno(1,2,3-cd)pyrene	28.728	276	244865	20.438	ng	# 93
88) Benzo(b)fluoranthene	23.957	252	723883	74.990	ng	97
89) Benzo(k)fluoranthene	24.016	252	295220m	30.889	ng	
90) Benzo(a)pyrene	24.838	252	577759	70.937	ng	97
91) Dibenzo(a,h)anthracene	28.763	278	60372	6.094	ng	# 88
92) Benzo(g,h,i)perylene	29.903	276	198972	20.351	ng	94

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

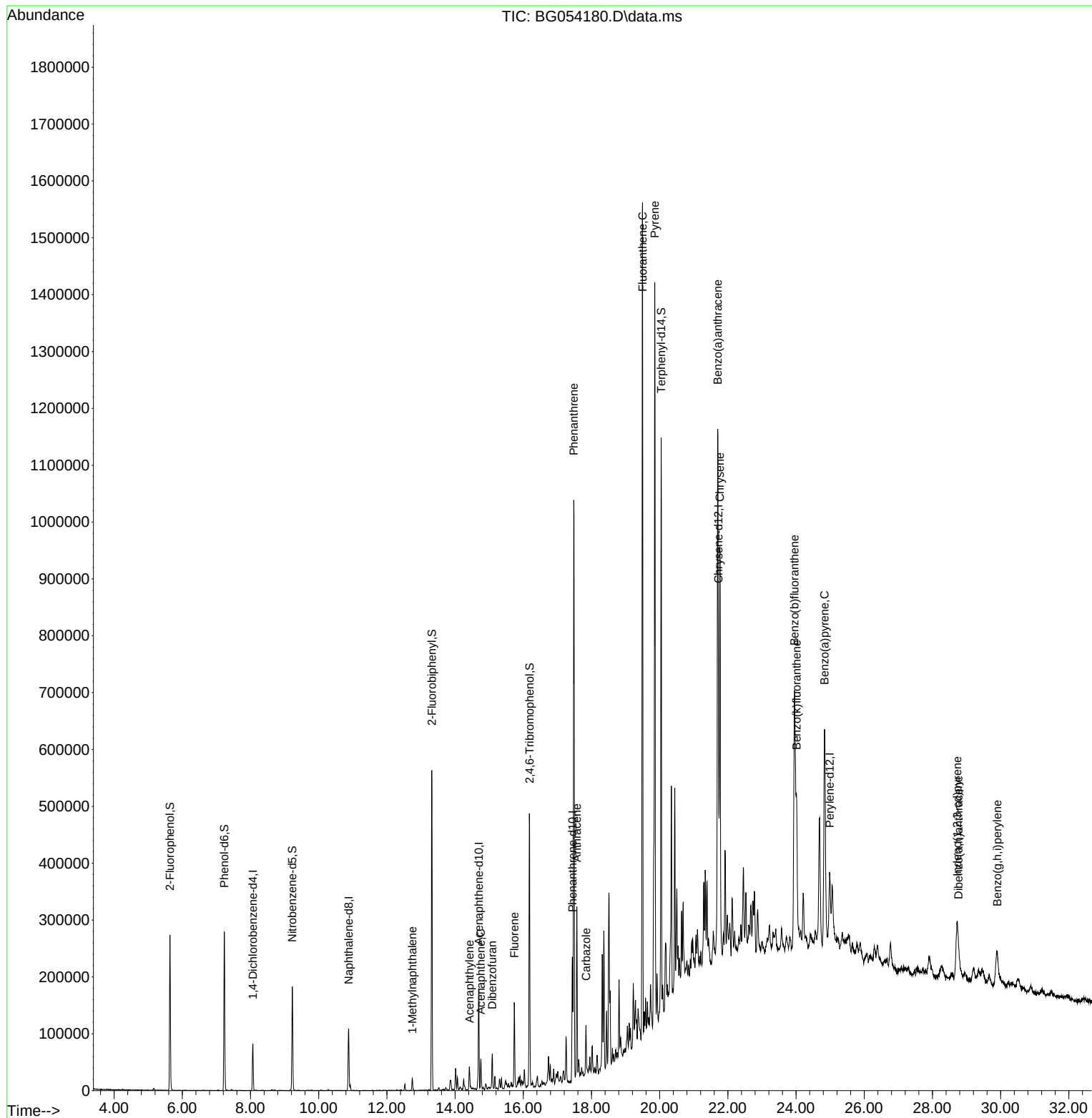
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063022\
Data File : BG054180.D
Acq On : 30 Jun 2022 22:04
Operator : CG/JU
Sample : N3539-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

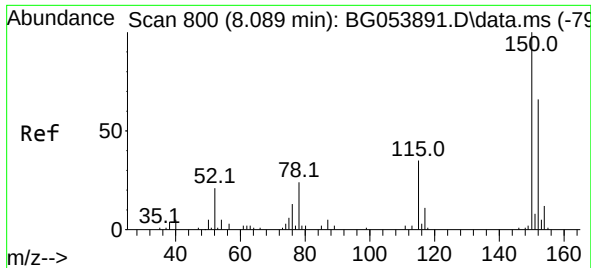
Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Quant Time: Jul 01 04:05:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 00:27:54 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 07/01/2022
Supervised By : Jagrut Upadhyay 07/01/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.070 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

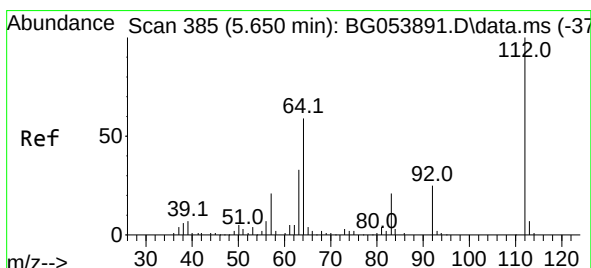
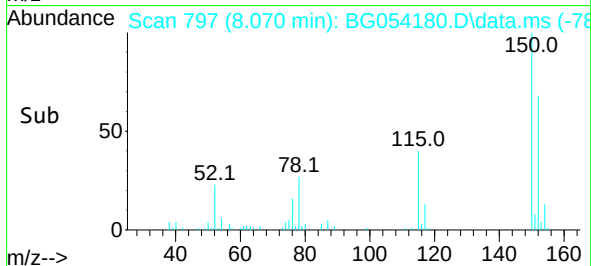
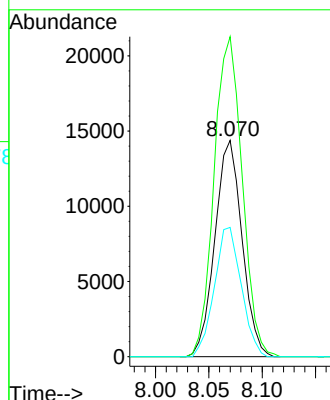
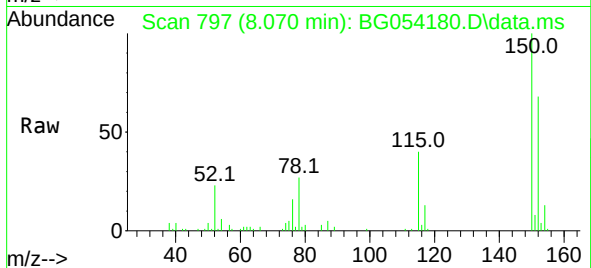
ClientSampleId :

CL-02-062922

Tgt Ion:152 Resp: 2544
 Ion Ratio Lower Upper
 152 100
 150 148.0 131.6 197.4
 115 59.8 50.9 76.3

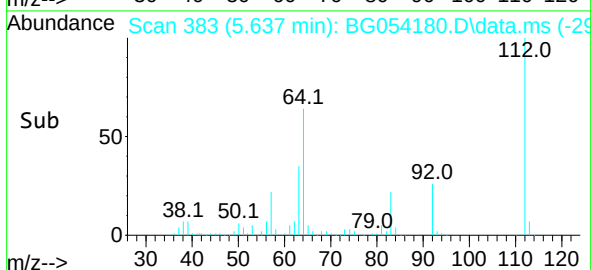
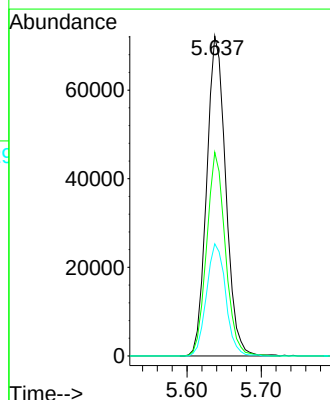
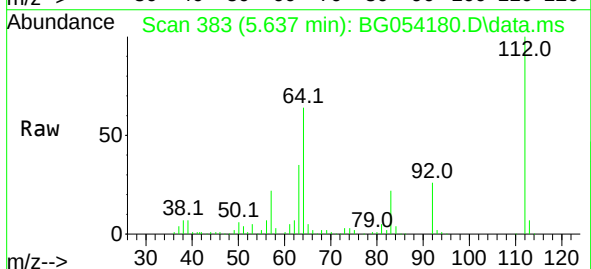
Manual Integrations
 APPROVED

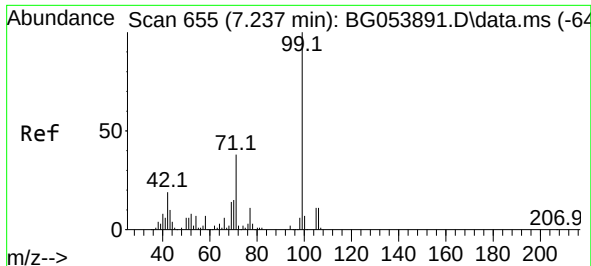
Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022



#5
 2-Fluorophenol
 Concen: 96.868 ng
 RT: 5.637 min Scan# 383
 Delta R.T. -0.001 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04

Tgt Ion:112 Resp: 128933
 Ion Ratio Lower Upper
 112 100
 64 63.6 55.1 82.7
 63 35.0 30.4 45.6





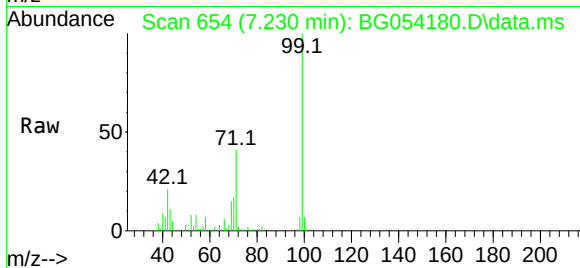
#7
Phenol-d6
Concen: 95.105 ng
RT: 7.230 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

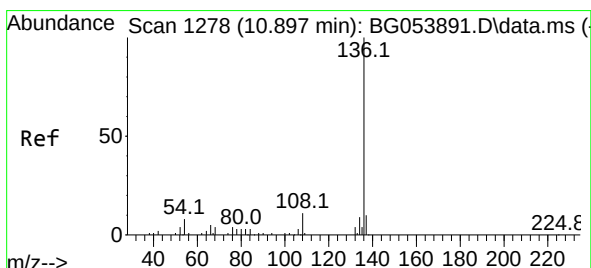
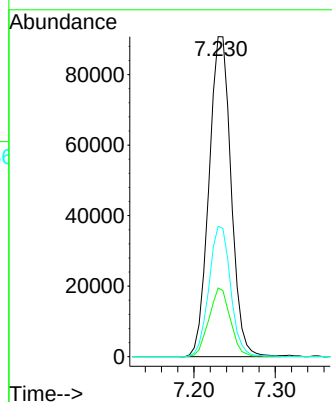
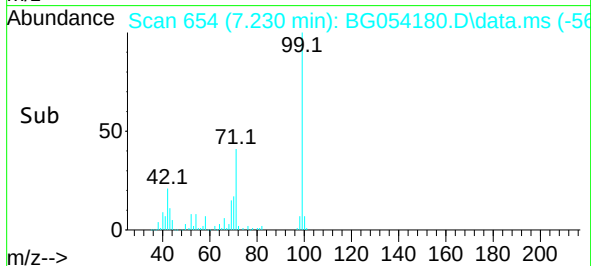


Tgt Ion: 99 Resp: 171724
Ion Ratio Lower Upper
99 100
42 21.5 17.0 25.6
71 40.8 33.8 50.8

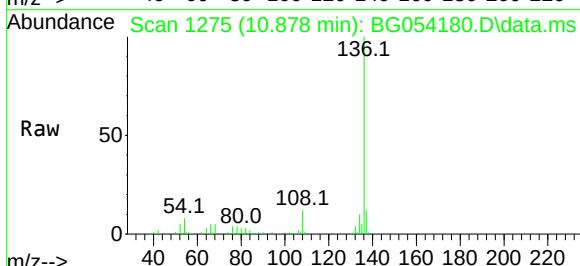
Manual Integrations

APPROVED

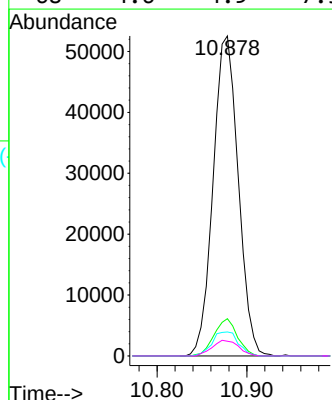
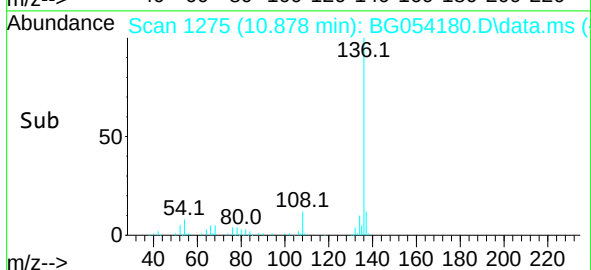
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022

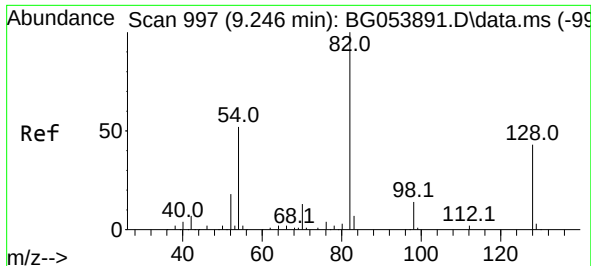


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.878 min Scan# 1275
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04



Tgt Ion:136 Resp: 101932
Ion Ratio Lower Upper
136 100
137 11.7 8.5 12.7
54 7.5 7.4 11.2
68 4.6 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 64.019 ng
RT: 9.227 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

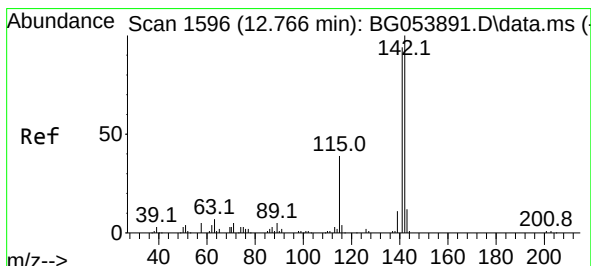
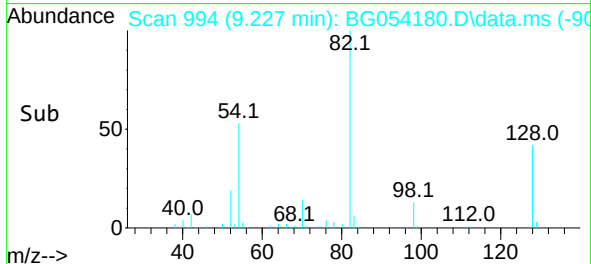
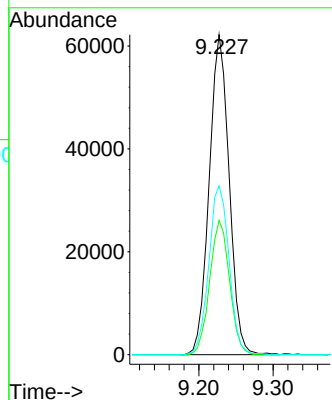
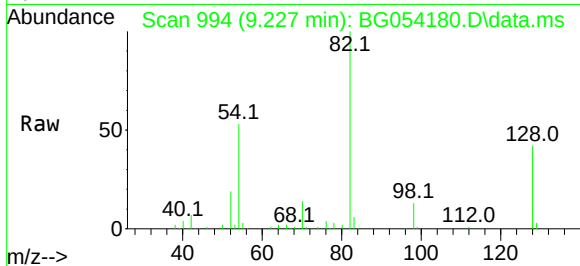
ClientSampleId :

CL-02-062922

Tgt Ion: 82 Resp: 11612
Ion Ratio Lower Upper
82 100
128 41.9 27.9 41.9
54 52.8 41.2 61.8

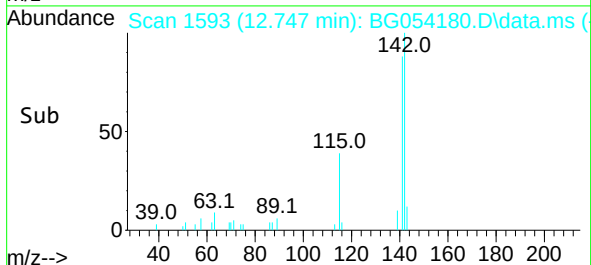
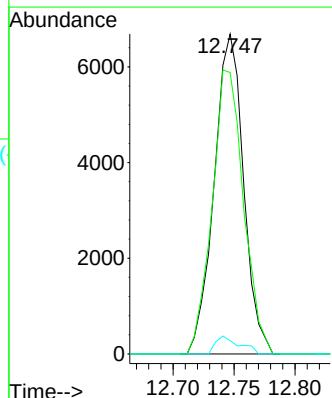
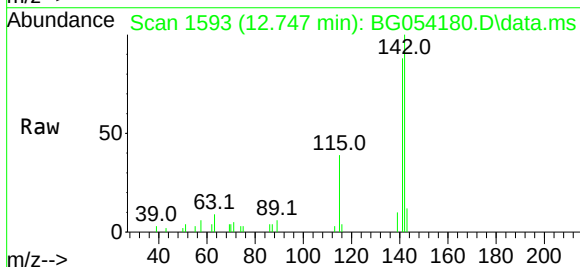
Manual Integrations
APPROVED

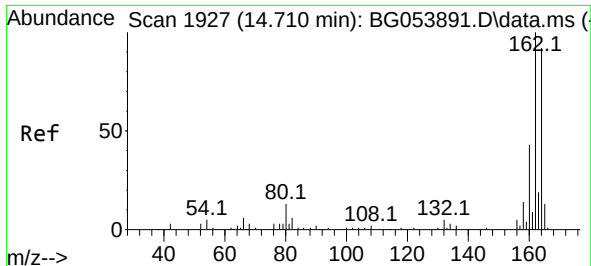
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#38
1-Methylnaphthalene
Concen: 3.022 ng
RT: 12.747 min Scan# 1593
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Tgt Ion:142 Resp: 11204
Ion Ratio Lower Upper
142 100
141 88.0 76.4 114.6
116 4.1 3.3 4.9





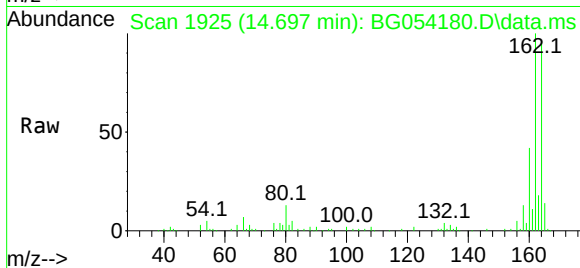
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.697 min Scan# 1925
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

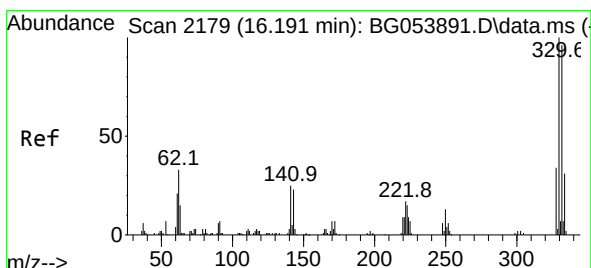
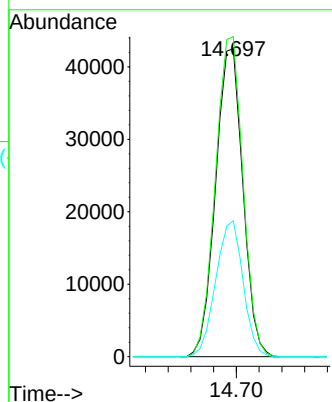
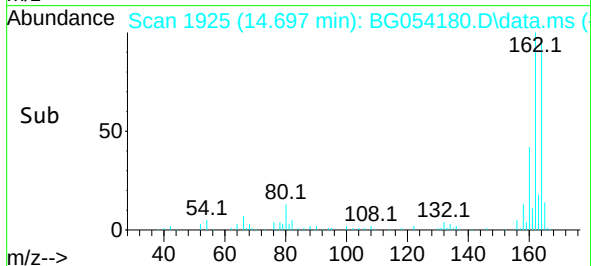


Tgt Ion:164 Resp: 7092
Ion Ratio Lower Upper
164 100
162 103.9 82.3 123.5
160 44.1 34.2 51.2

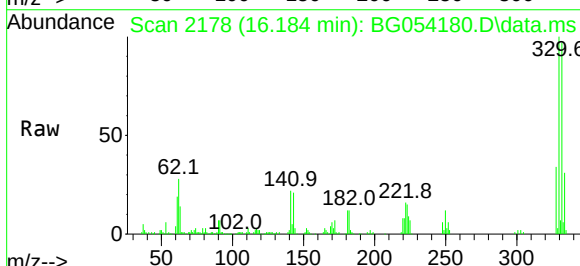
Manual Integrations

APPROVED

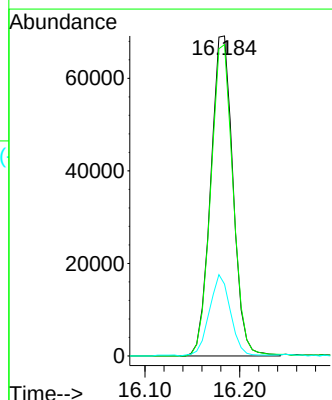
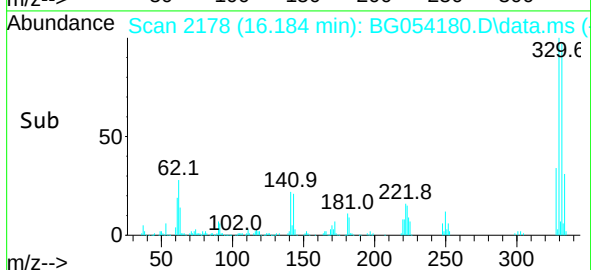
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022

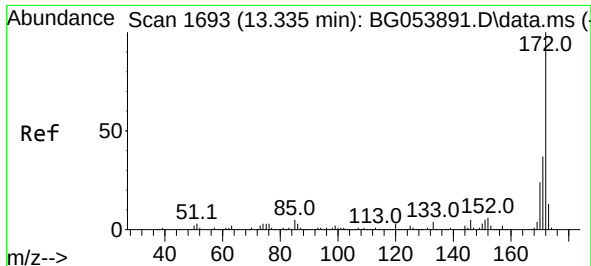


#42
2,4,6-Tribromophenol
Concen: 99.111 ng
RT: 16.184 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04



Tgt Ion:330 Resp: 112944
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 24.2 27.1 40.7#





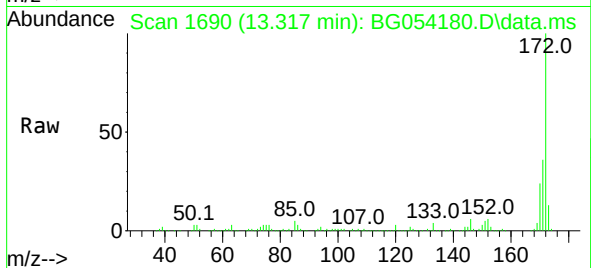
#45
2-Fluorobiphenyl
Concen: 66.940 ng
RT: 13.317 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

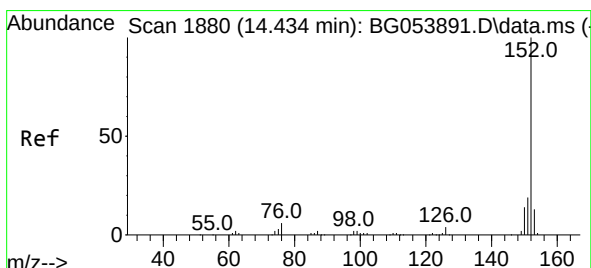
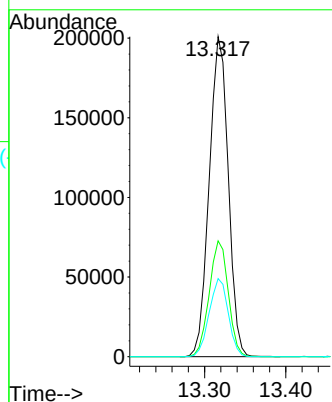


Tgt Ion:172 Resp: 32650
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 24.4 18.9 28.3

Manual Integrations

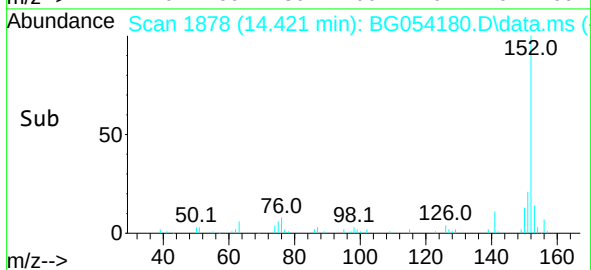
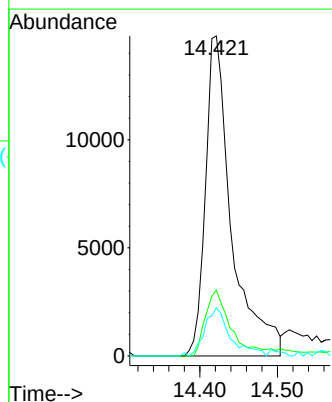
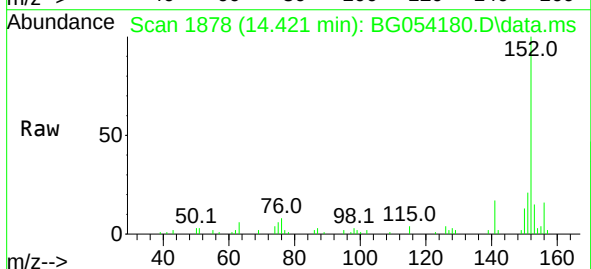
APPROVED

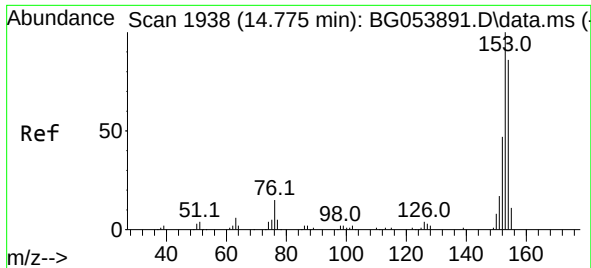
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#49
Acenaphthylene
Concen: 5.588 ng
RT: 14.421 min Scan# 1878
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Tgt Ion:152 Resp: 34745
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 15.0 10.8 16.2





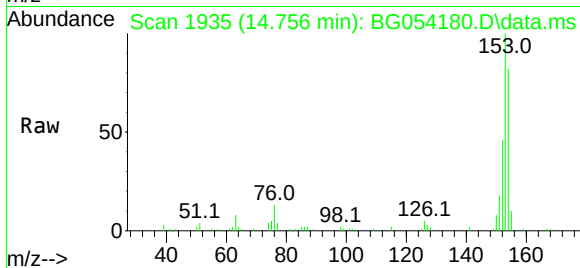
#52
Acenaphthene
Concen: 5.150 ng
RT: 14.756 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

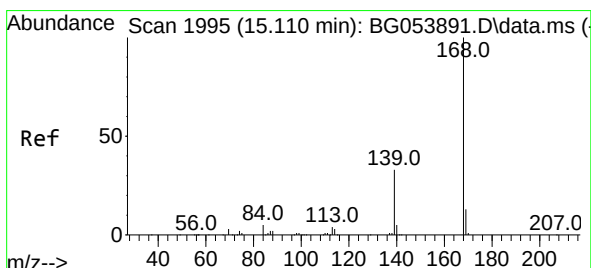
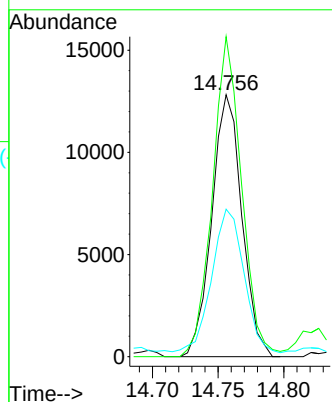
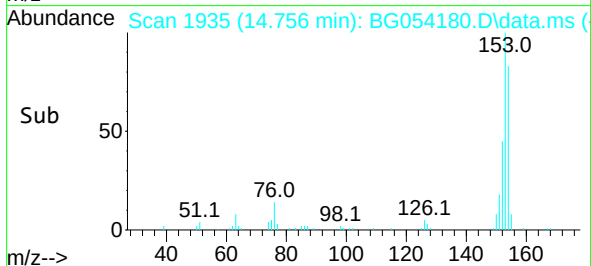


Tgt Ion:154 Resp: 2041
Ion Ratio Lower Upper
154 100
153 122.2 92.7 139.1
152 56.3 42.6 64.0

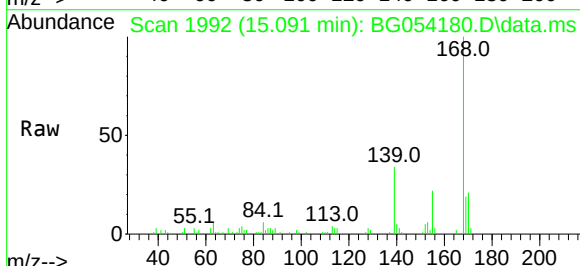
Manual Integrations

APPROVED

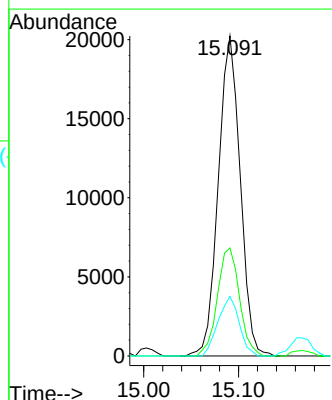
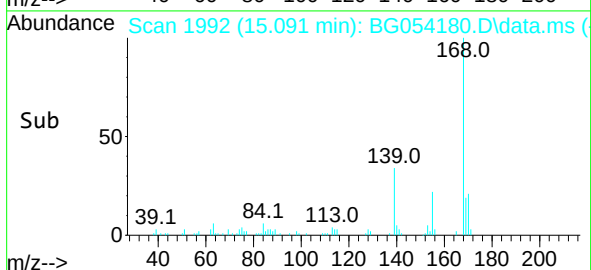
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022

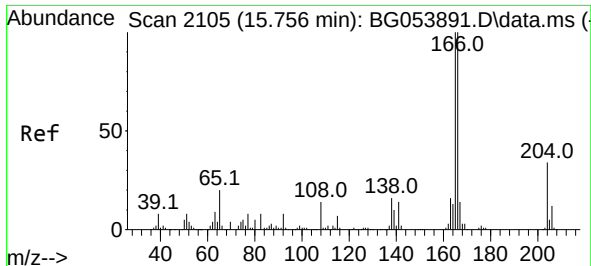


#55
Dibenzofuran
Concen: 5.084 ng
RT: 15.091 min Scan# 1992
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04



Tgt Ion:168 Resp: 32460
Ion Ratio Lower Upper
168 100
139 33.7 30.5 45.7
169 18.6 10.3 15.5#





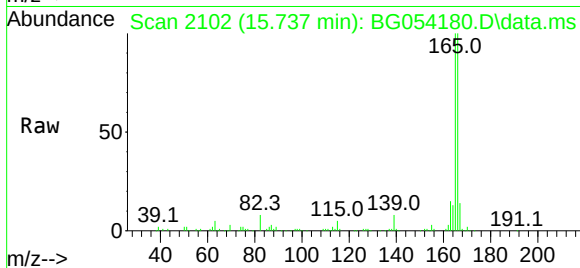
#58
 Fluorene
 Concen: 13.914 ng
 RT: 15.737 min Scan# 2105
 Delta R.T. -0.006 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

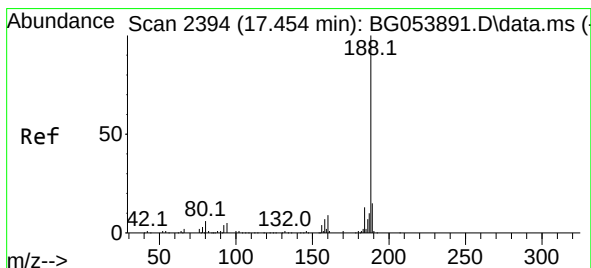
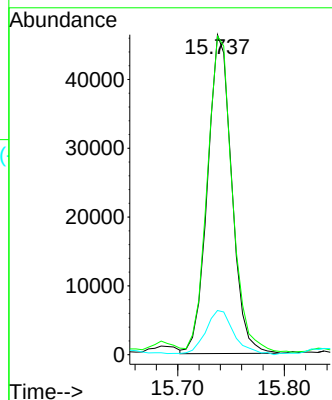
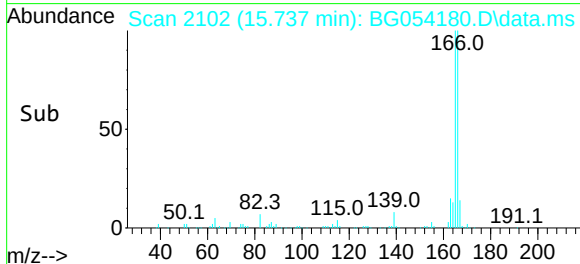


Tgt Ion:166 Resp: 72948
 Ion Ratio Lower Upper
 166 100
 165 99.5 75.0 112.6
 167 13.8 10.8 16.2

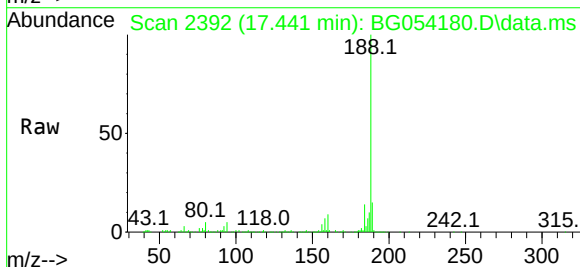
Manual Integrations

APPROVED

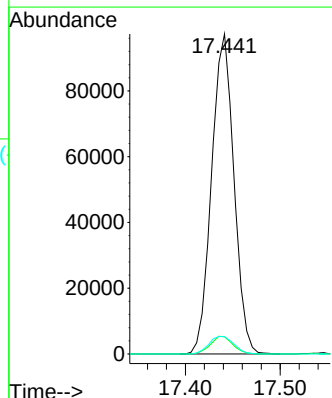
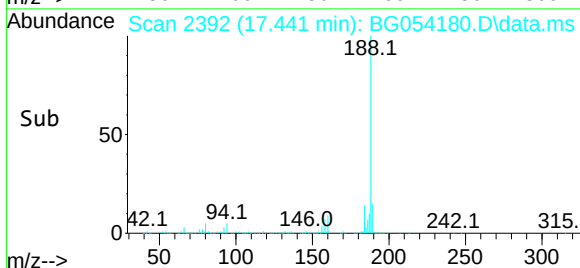
Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022

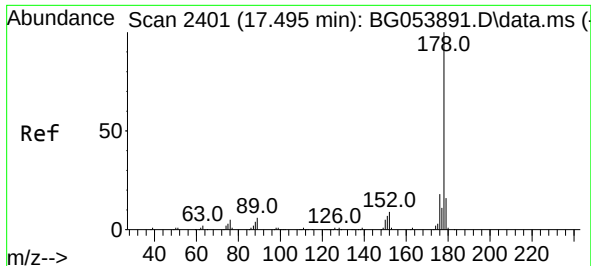


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.441 min Scan# 2392
 Delta R.T. -0.001 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04



Tgt Ion:188 Resp: 159204
 Ion Ratio Lower Upper
 188 100
 94 5.3 5.4 8.0#
 80 5.4 6.8 10.2#





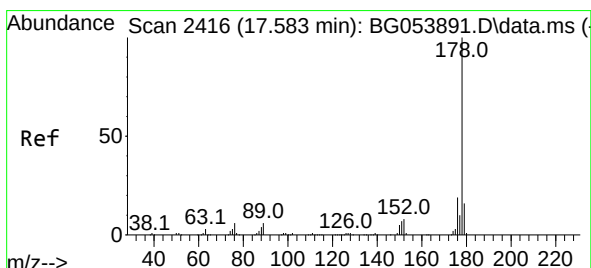
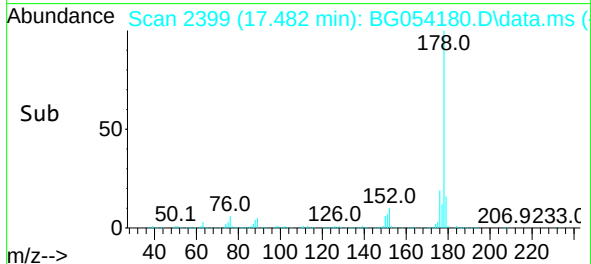
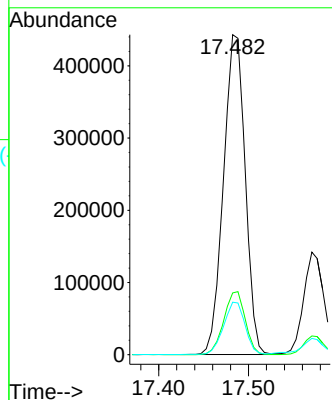
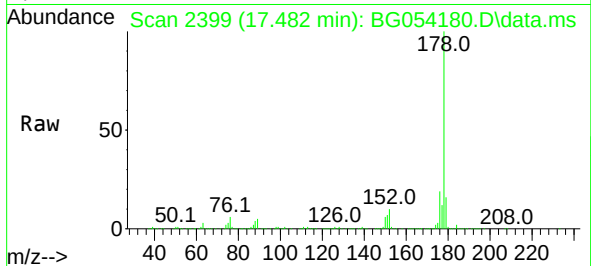
#71
Phenanthrene
Concen: 91.107 ng
RT: 17.482 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Instrument :
BNA_G
ClientSampleId :
CL-02-062922

Tgt Ion:178 Resp: 74520
Ion Ratio Lower Upper
178 100
176 19.3 14.1 21.1
179 16.4 12.1 18.1

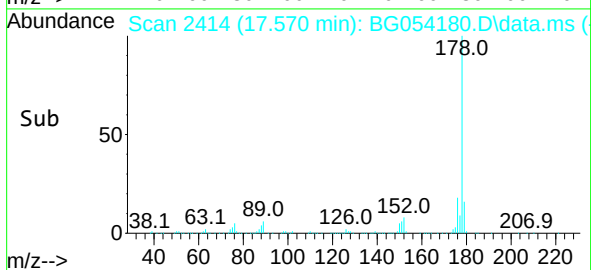
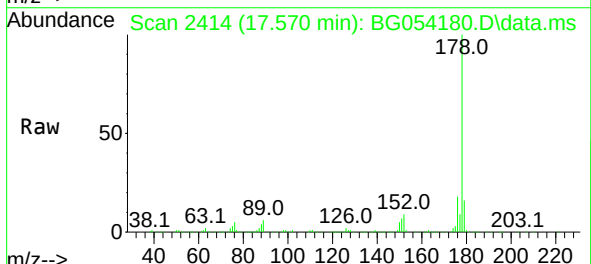
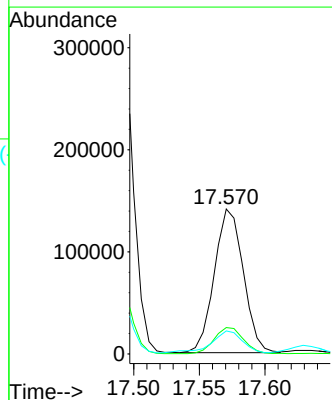
Manual Integrations
APPROVED

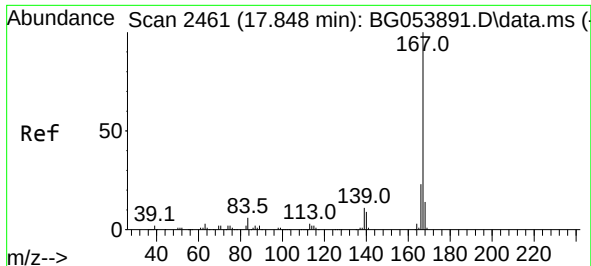
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#72
Anthracene
Concen: 27.081 ng
RT: 17.570 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Tgt Ion:178 Resp: 216309
Ion Ratio Lower Upper
178 100
176 18.2 15.2 22.8
179 15.9 13.0 19.4





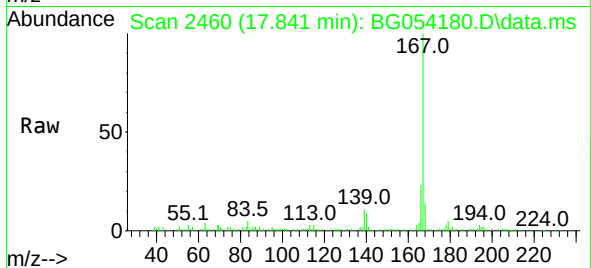
#73
 Carbazole
 Concen: 8.986 ng
 RT: 17.841 min Scan# 2461
 Delta R.T. -0.001 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

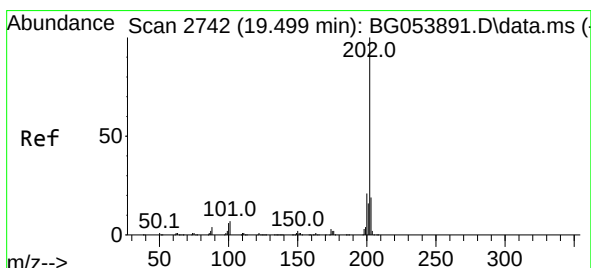
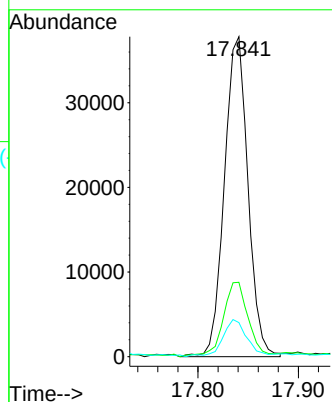
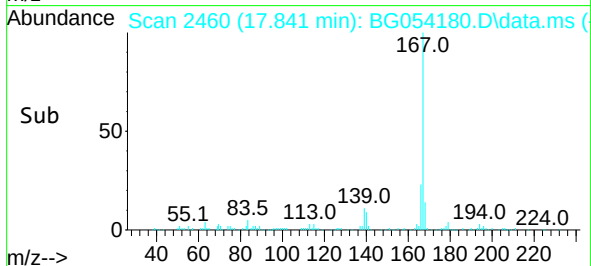


Tgt Ion:167 Resp: 61600
 Ion Ratio Lower Upper
 167 100
 166 23.3 18.2 27.2
 139 10.6 10.1 15.1

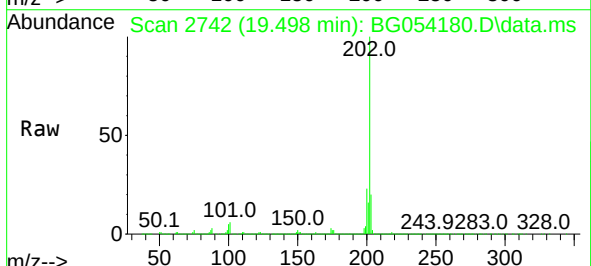
Manual Integrations

APPROVED

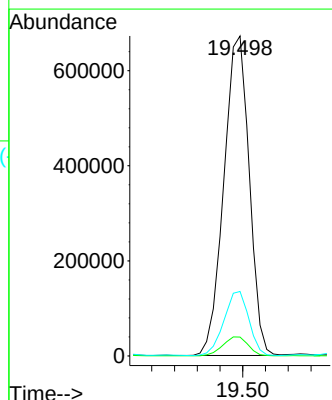
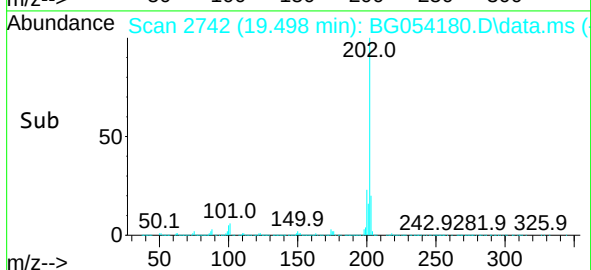
Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022

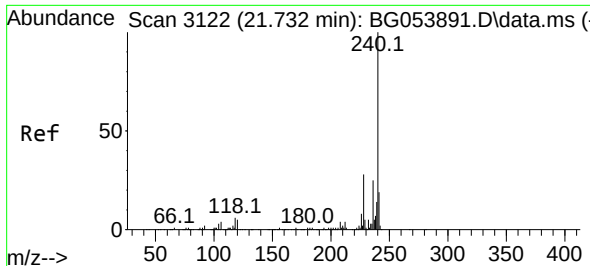


#75
 Fluoranthene
 Concen: 97.110 ng
 RT: 19.498 min Scan# 2742
 Delta R.T. 0.005 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04



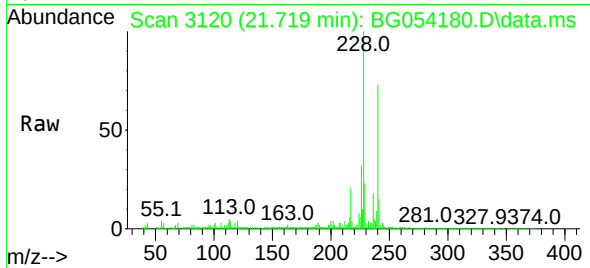
Tgt Ion:202 Resp: 1042707
 Ion Ratio Lower Upper
 202 100
 101 5.9 0.0 26.9
 203 20.2 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.719 min Scan# 3122
Delta R.T. -0.001 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

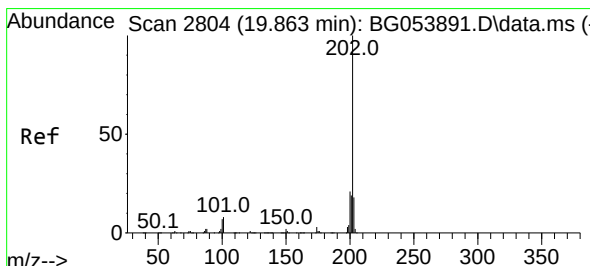
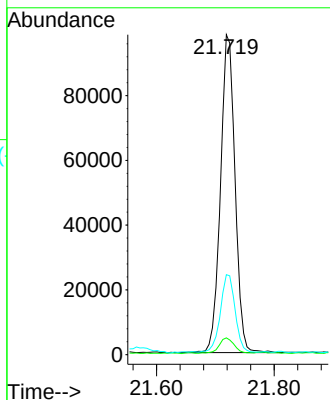
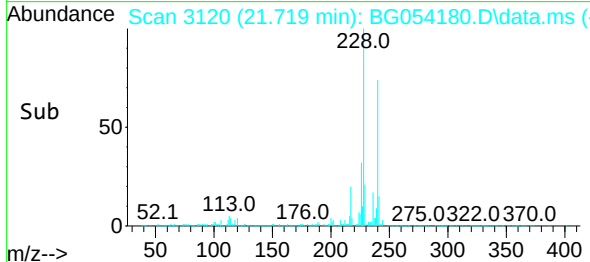
Instrument :
BNA_G
ClientSampleId :
CL-02-062922



Tgt Ion:240 Resp: 16897
Ion Ratio Lower Upper
240 100
120 5.2 4.6 7.0
236 25.0 20.2 30.4

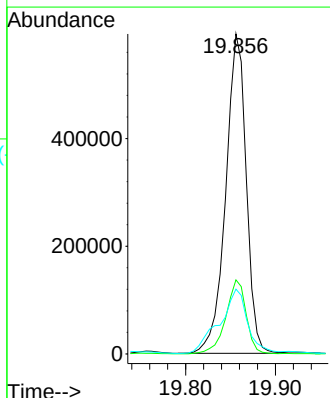
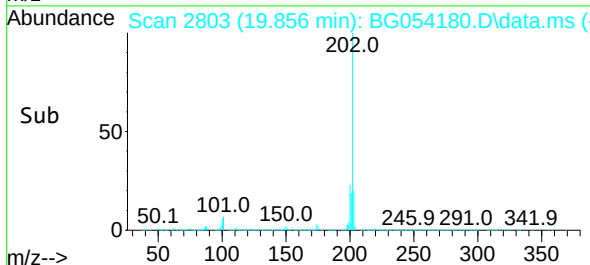
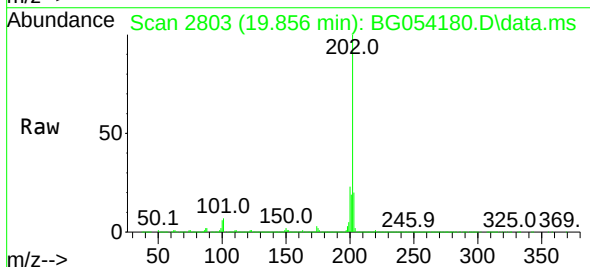
Manual Integrations
APPROVED

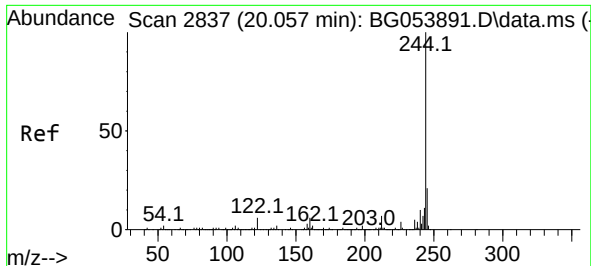
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#78
Pyrene
Concen: 92.344 ng
RT: 19.856 min Scan# 2803
Delta R.T. 0.005 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

Tgt Ion:202 Resp: 942413
Ion Ratio Lower Upper
202 100
200 23.1 16.6 24.8
203 20.3 14.6 21.8





#79
 Terphenyl-d14
 Concen: 67.938 ng
 RT: 20.044 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

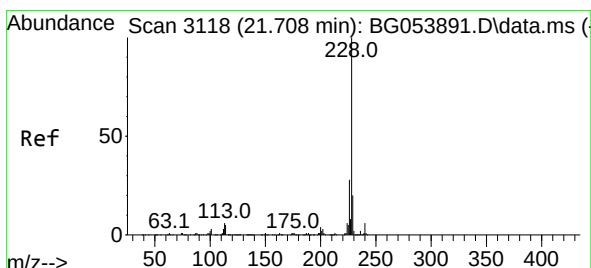
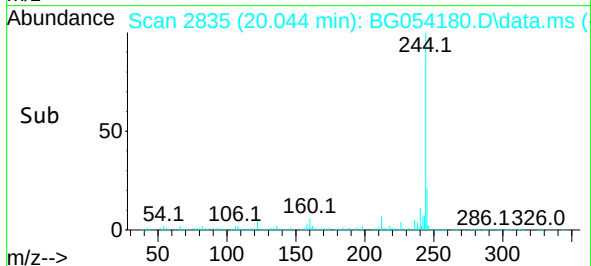
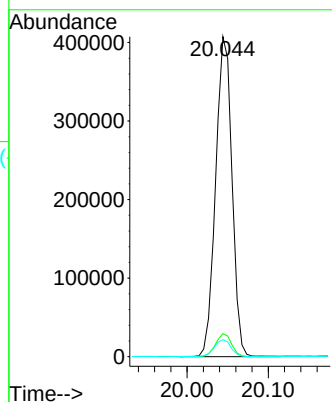
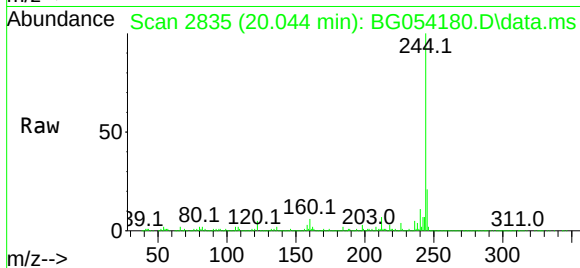
CL-02-062922

Tgt Ion:244 Resp: 56996
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 5.3 5.0 7.4

Manual Integrations

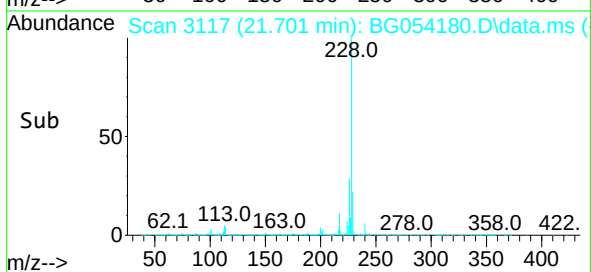
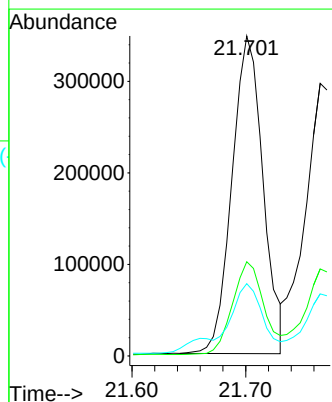
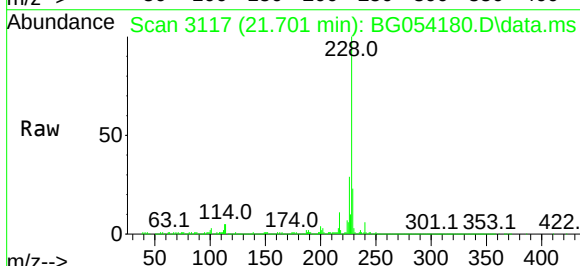
APPROVED

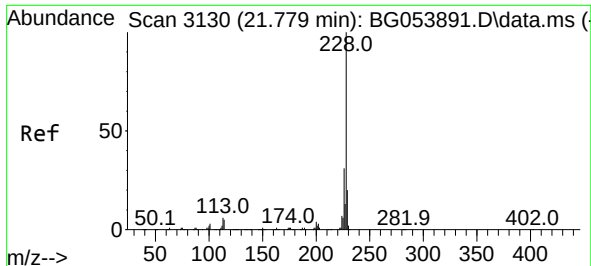
Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022



#81
 Benzo(a)anthracene
 Concen: 60.342 ng
 RT: 21.701 min Scan# 3117
 Delta R.T. 0.005 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04

Tgt Ion:228 Resp: 660180
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 22.6 16.2 24.2





#83

Chrysene

Concen: 55.338 ng

RT: 21.766 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG054180.D

Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

Tgt Ion:228 Resp: 577100

Ion Ratio Lower Upper

228 100

226 31.9 23.4 35.2

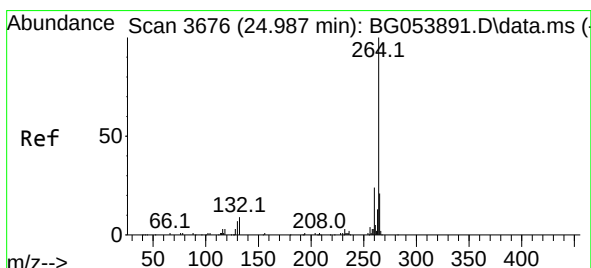
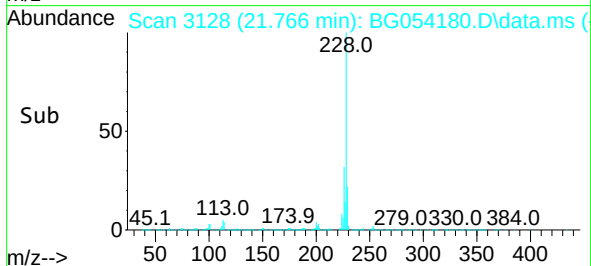
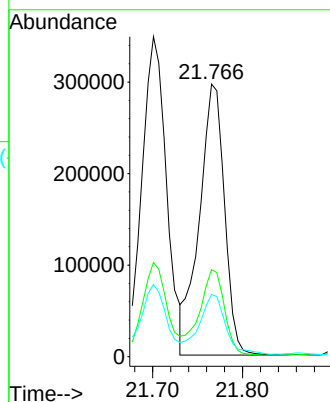
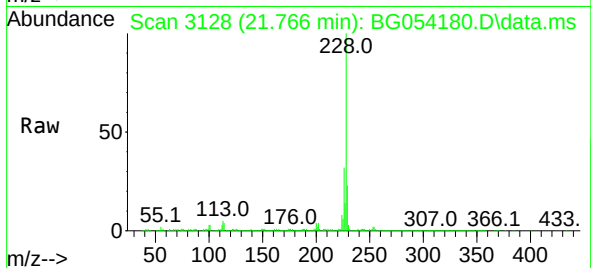
229 22.8 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/01/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.985 min Scan# 3676

Delta R.T. 0.023 min

Lab File: BG054180.D

Acq: 30 Jun 2022 22:04

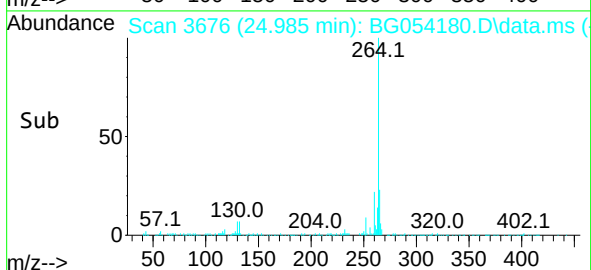
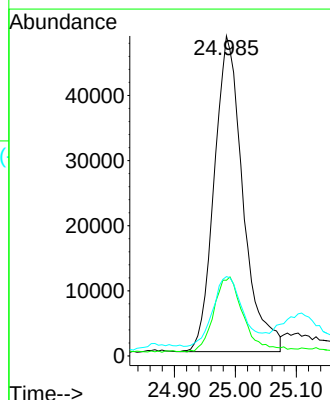
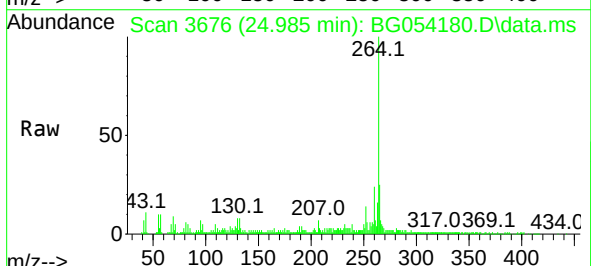
Tgt Ion:264 Resp: 158762

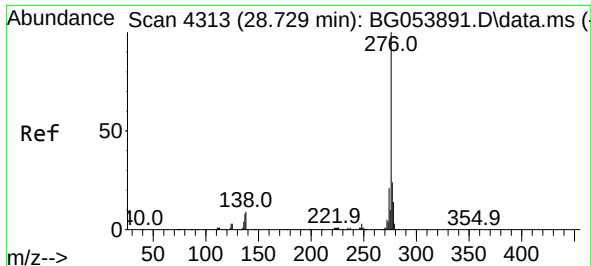
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 24.8 17.4 26.2





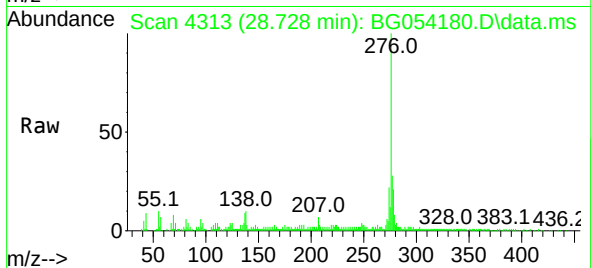
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 20.438 ng
 RT: 28.728 min Scan# 4313
 Delta R.T. 0.041 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

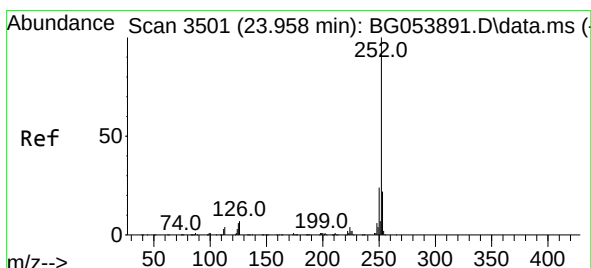
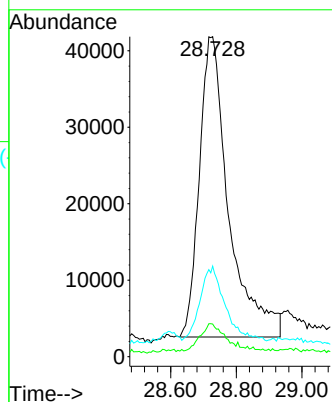
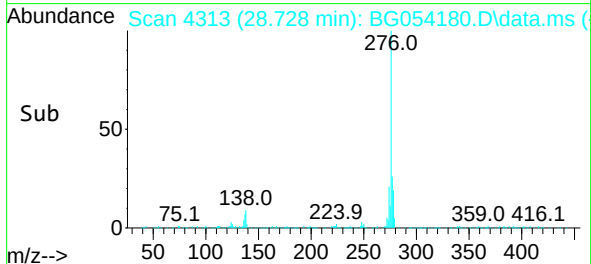


Tgt Ion:276 Resp: 24486
 Ion Ratio Lower Upper
 276 100
 138 7.6 5.0 7.4
 277 21.5 20.3 30.5

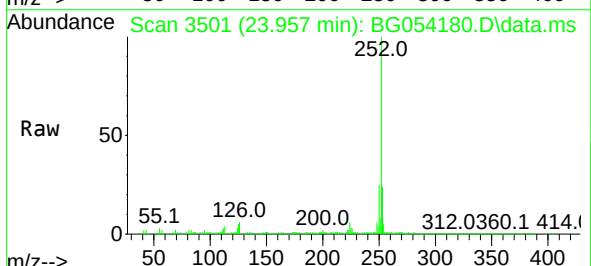
Manual Integrations

APPROVED

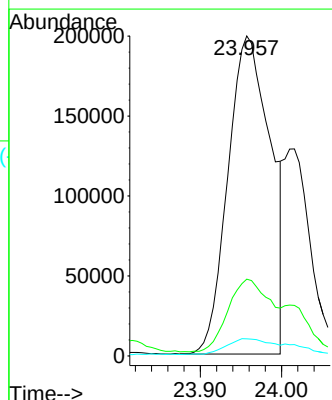
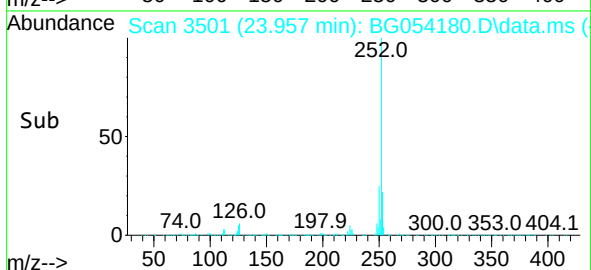
Reviewed By :Christian Giraldo 07/01/2022
 Supervised By :Jagrut Upadhyay 07/01/2022

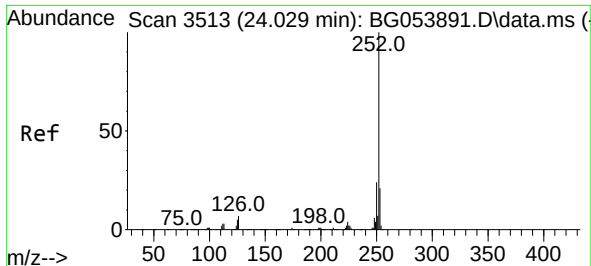


#88
 Benzo(b)fluoranthene
 Concen: 74.990 ng
 RT: 23.957 min Scan# 3501
 Delta R.T. 0.023 min
 Lab File: BG054180.D
 Acq: 30 Jun 2022 22:04



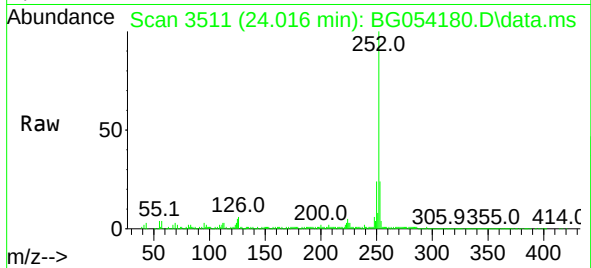
Tgt Ion:252 Resp: 723883
 Ion Ratio Lower Upper
 252 100
 253 24.0 18.0 27.0
 125 5.4 4.6 6.8





#89
Benzo(k)fluoranthene
Concen: 30.889 ng m
RT: 24.016 min Scan# 3511
Delta R.T. 0.011 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04

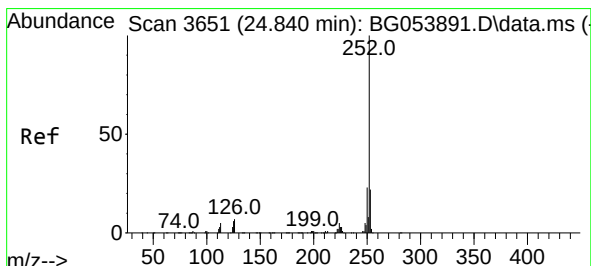
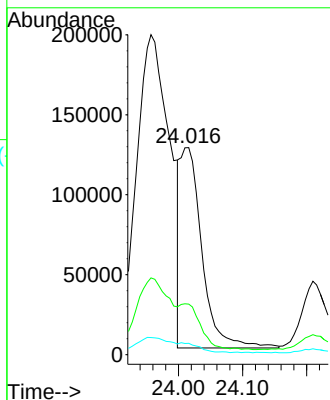
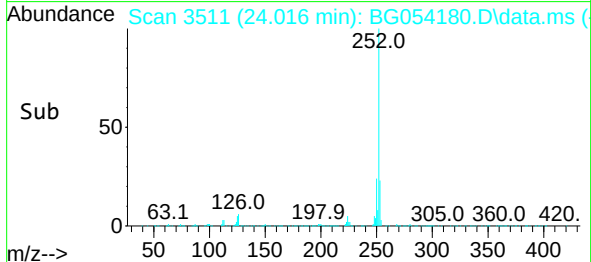
Instrument :
BNA_G
ClientSampleId :
CL-02-062922



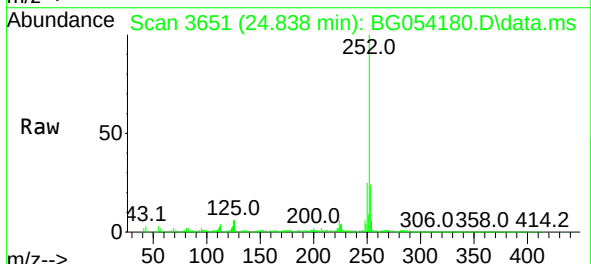
Tgt Ion:252 Resp: 295220
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 5.5 4.8 7.2

Manual Integrations
APPROVED

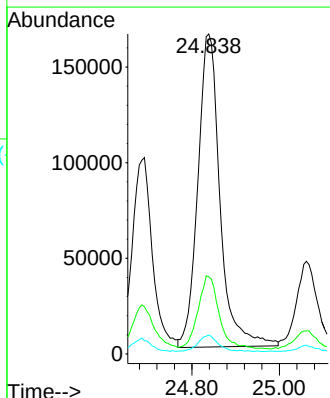
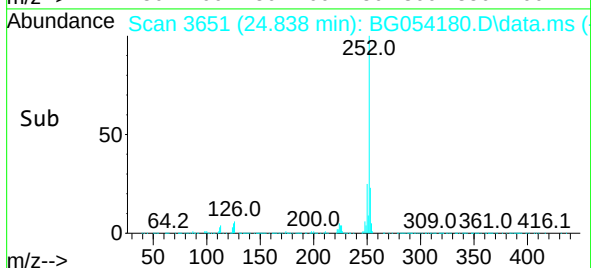
Reviewed By :Christian Giraldo 07/01/2022
Supervised By :Jagrut Upadhyay 07/01/2022

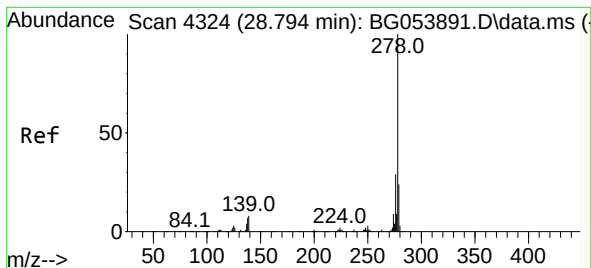


#90
Benzo(a)pyrene
Concen: 70.937 ng
RT: 24.838 min Scan# 3651
Delta R.T. 0.023 min
Lab File: BG054180.D
Acq: 30 Jun 2022 22:04



Tgt Ion:252 Resp: 577759
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 5.9 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 6.094 ng

RT: 28.763 min Scan# 41

Delta R.T. 0.017 min

Lab File: BG054180.D

Acq: 30 Jun 2022 22:04

Instrument :

BNA_G

ClientSampleId :

CL-02-062922

Tgt Ion:278 Resp: 60372

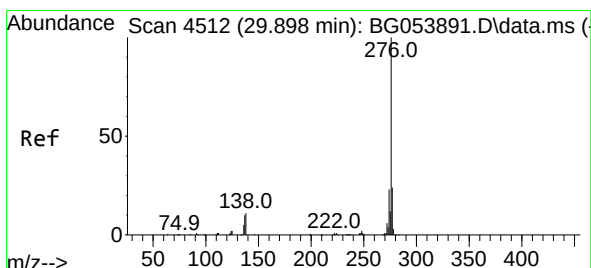
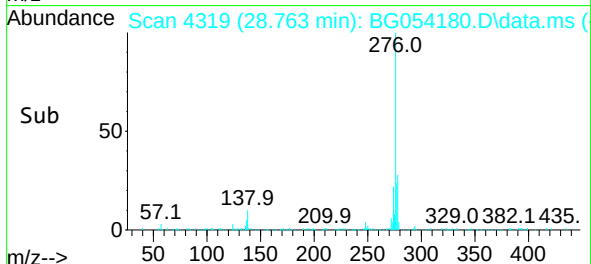
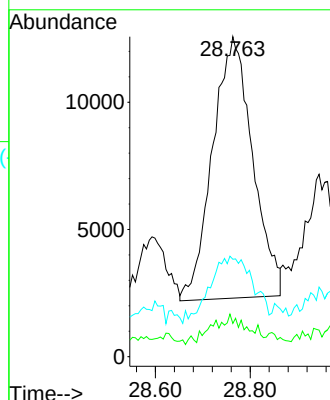
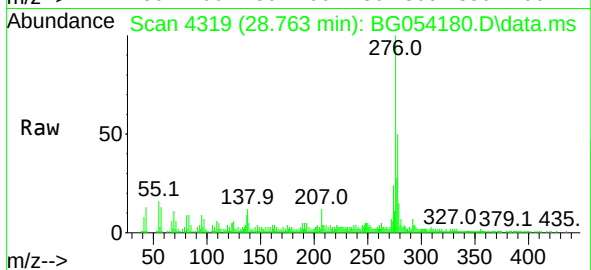
Ion	Ratio	Lower	Upper
278	100		
139	10.4	7.2	10.8
279	30.4	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/01/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#92

Benzo(g,h,i)perylene

Concen: 20.351 ng

RT: 29.903 min Scan# 4513

Delta R.T. 0.041 min

Lab File: BG054180.D

Acq: 30 Jun 2022 22:04

Tgt Ion:276 Resp: 198972

Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.3	25.9
138	9.9	9.6	14.4

