

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
 Data File : BG054198.D
 Acq On : 1 Jul 2022 19:35
 Operator : CG/JU
 Sample : N3564-26
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-4

Quant Time: Jul 01 23:35:32 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 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.076	152	20289	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	78150	20.000	ng	# 0.00
39) Acenaphthene-d10	14.709	164	52619	20.000	ng	0.01
64) Phenanthrene-d10	17.459	188	109172	20.000	ng	# 0.02
76) Chrysene-d12	21.778	240	127854	20.000	ng	# 0.06
86) Perylene-d12	25.091	264	142100	20.000	ng	# 0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	106197	100.074	ng	0.00
7) Phenol-d6	7.242	99	140196	97.387	ng	0.01
23) Nitrobenzene-d5	9.233	82	103381	74.339	ng	0.00
42) 2,4,6-Tribromophenol	16.202	330	87359	103.332	ng	0.02
45) 2-Fluorobiphenyl	13.323	172	260749	72.058	ng	0.00
79) Terphenyl-d14	20.080	244	448649	70.676	ng	0.04
Target Compounds						Qvalue
12) 1,3-Dichlorobenzene	7.964	146	13508m	9.514	ng	
13) 1,4-Dichlorobenzene	8.111	146	37438	26.250	ng	97
14) 1,2-Dichlorobenzene	8.429	146	18273m	13.347	ng	
38) 1-Methylnaphthalene	12.753	142	40304	14.181	ng	# 99
52) Acenaphthene	14.768	154	21447	7.295	ng	# 93
58) Fluorene	15.755	166	31168	8.014	ng	# 76
71) Phenanthrene	17.500	178	128435	22.898	ng	# 83
72) Anthracene	17.594	178	61891	11.300	ng	# 82
75) Fluoranthene	19.533	202	227943	30.958	ng	84
78) Pyrene	19.897	202	374715	48.525	ng	# 86
81) Benzo(a)anthracene	21.760	228	350742	42.369	ng	# 73
83) Chrysene	21.825	228	461851	58.529	ng	# 78
87) Indeno(1,2,3-cd)pyrene	28.875	276	132147m	12.323	ng	
88) Benzo(b)fluoranthene	24.046	252	260542m	30.155	ng	
89) Benzo(k)fluoranthene	24.098	252	58526m	6.842	ng	
90) Benzo(a)pyrene	24.944	252	317614	43.569	ng	# 84
91) Dibenzo(a,h)anthracene	28.916	278	115779	13.056	ng	# 62
92) Benzo(g,h,i)perylene	30.068	276	219877	25.126	ng	# 90

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

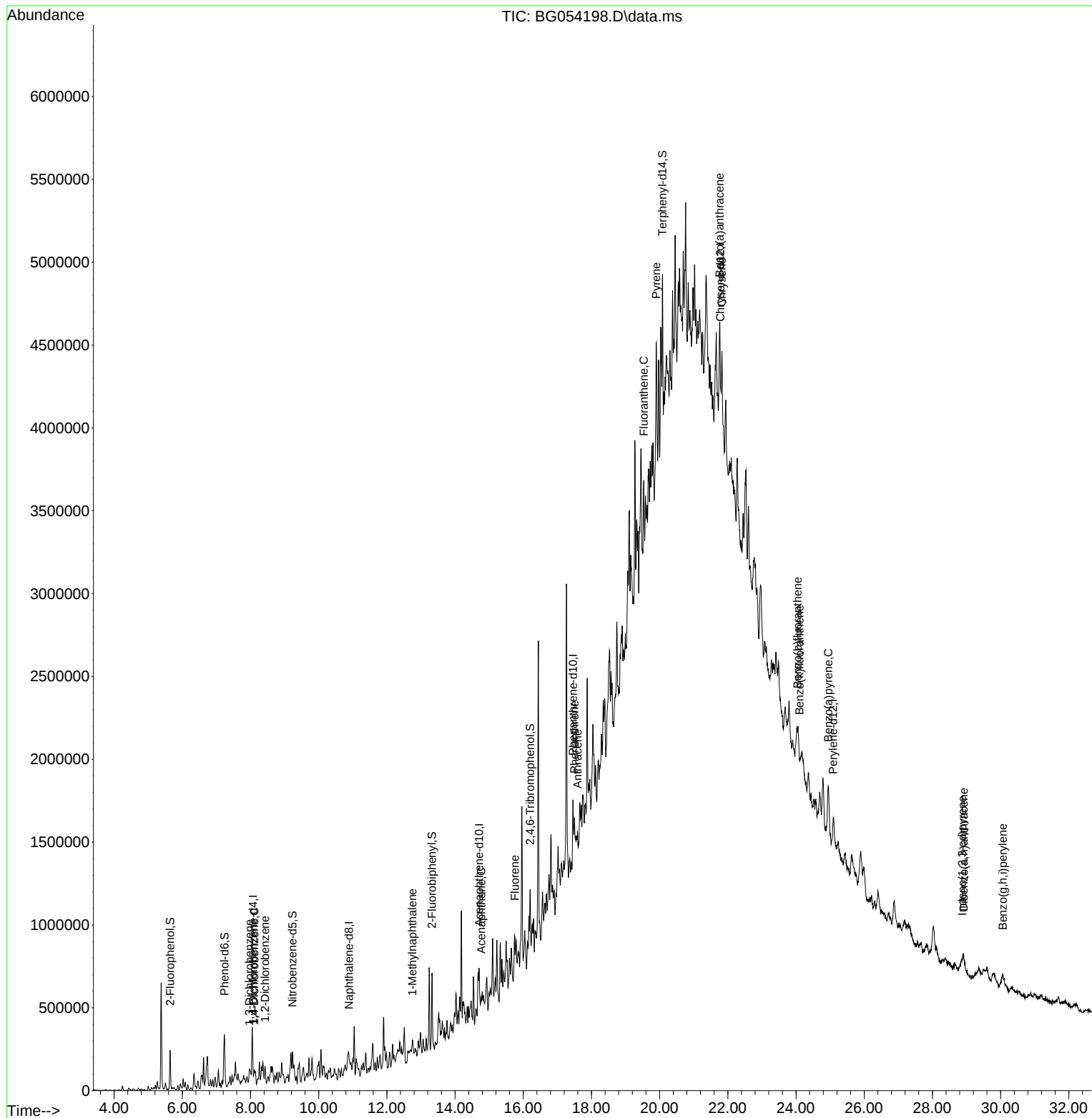
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070122\
Data File : BG054198.D
Acq On : 1 Jul 2022 19:35
Operator : CG/JU
Sample : N3564-26
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-16-2-4

Quant Time: Jul 01 23:35:32 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

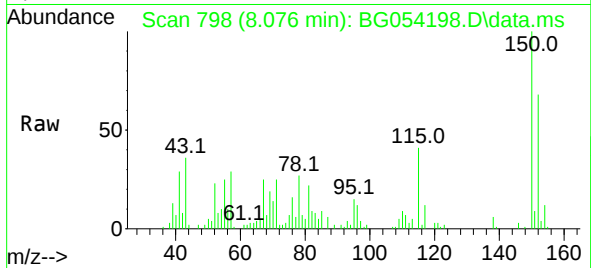
Reviewed By : Christian Giraldo 07/05/2022
Supervised By : Jagrut Upadhyay 07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.076 min Scan# 79
Delta R.T. 0.006 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

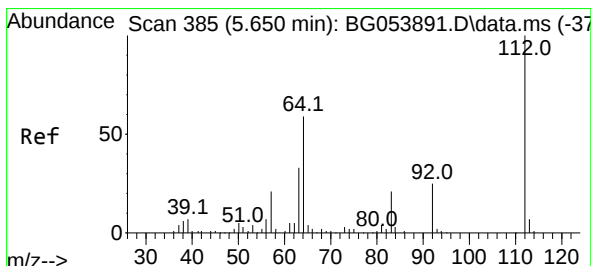
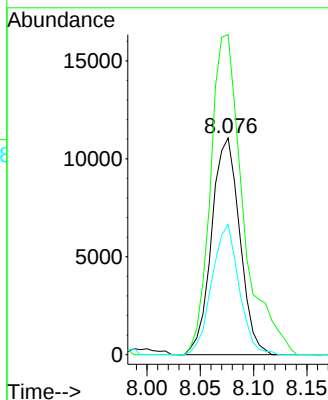
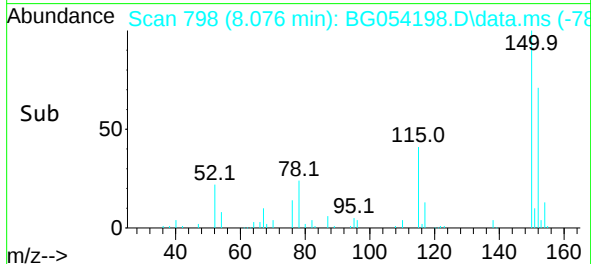
Instrument :
BNA_G
ClientSampleId :
WC-16-2-4



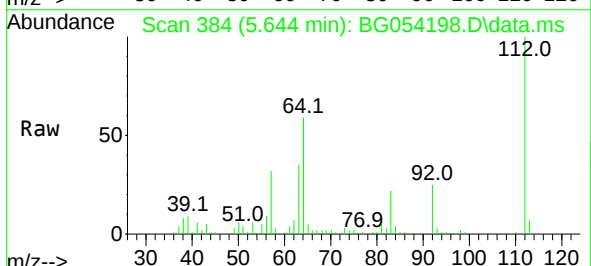
Tgt Ion:152 Resp: 20289
Ion Ratio Lower Upper
152 100
150 147.7 131.6 197.4
115 60.1 50.9 76.3

Manual Integrations
APPROVED

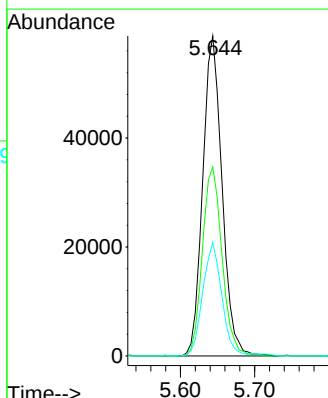
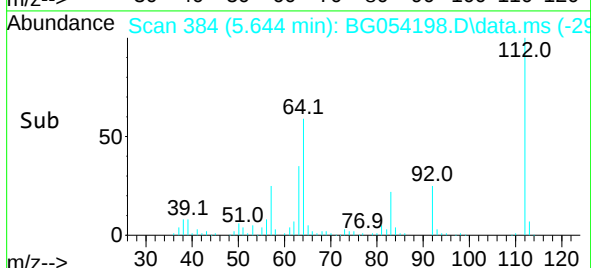
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#5
2-Fluorophenol
Concen: 100.074 ng
RT: 5.644 min Scan# 384
Delta R.T. 0.006 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35



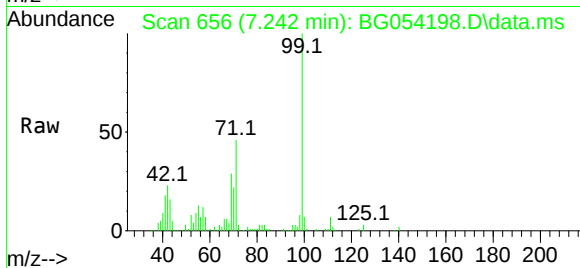
Tgt Ion:112 Resp: 106197
Ion Ratio Lower Upper
112 100
64 59.0 55.1 82.7
63 35.4 30.4 45.6





#7
Phenol-d6
Concen: 97.387 ng
RT: 7.242 min Scan# 61
Delta R.T. 0.012 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

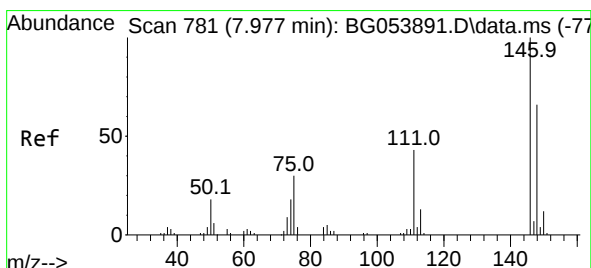
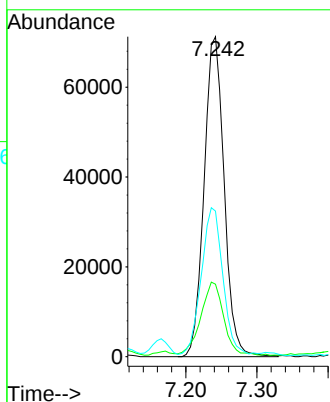
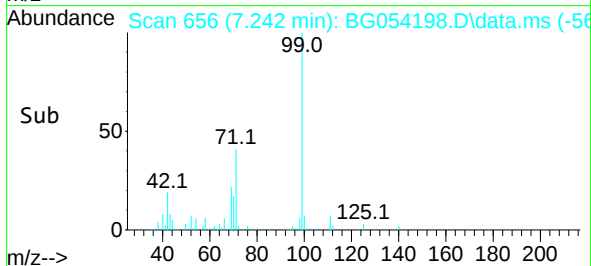
Instrument :
BNA_G
ClientSampleId :
WC-16-2-4



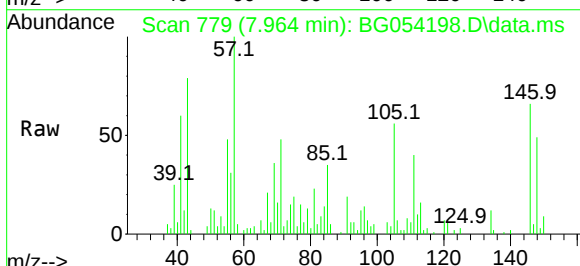
Tgt Ion: 99 Resp: 140190
Ion Ratio Lower Upper
99 100
42 22.6 17.0 25.6
71 45.5 33.8 50.8

Manual Integrations
APPROVED

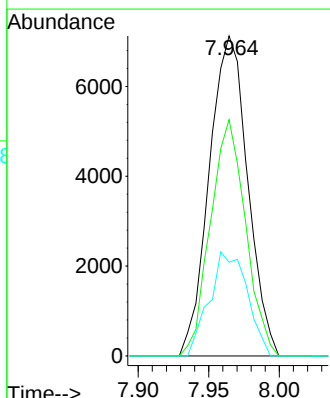
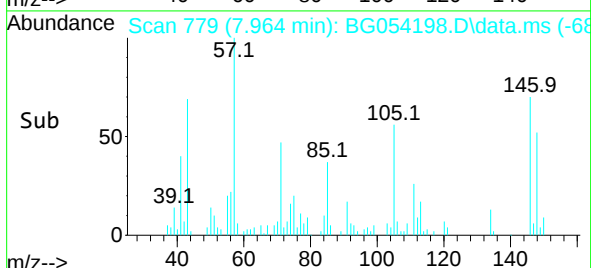
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

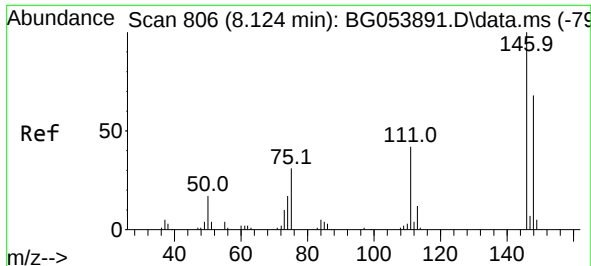


#12
1,3-Dichlorobenzene
Concen: 9.514 ng m
RT: 7.964 min Scan# 779
Delta R.T. -0.000 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35



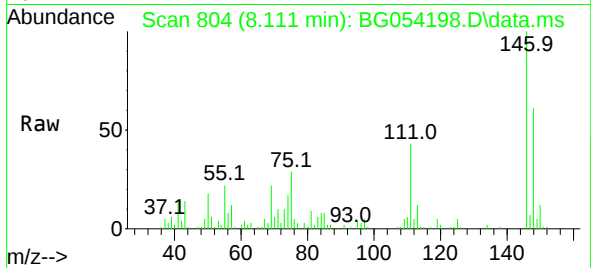
Tgt Ion:146 Resp: 13508
Ion Ratio Lower Upper
146 100
148 73.8 46.1 69.1#
75 29.3 27.6 41.4





#13
1,4-Dichlorobenzene
Concen: 26.250 ng
RT: 8.111 min Scan# 804
Delta R.T. 0.006 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

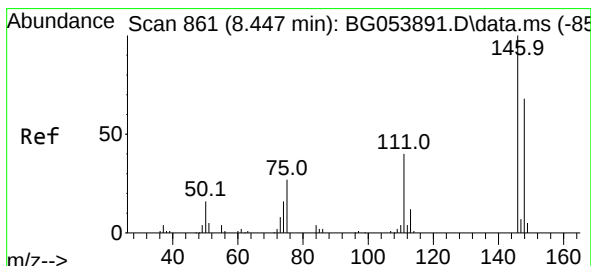
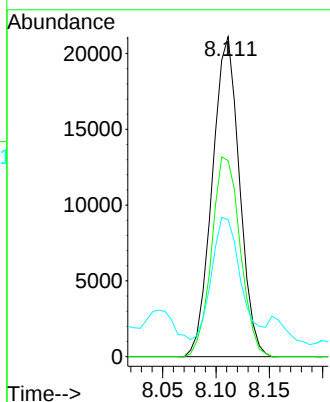
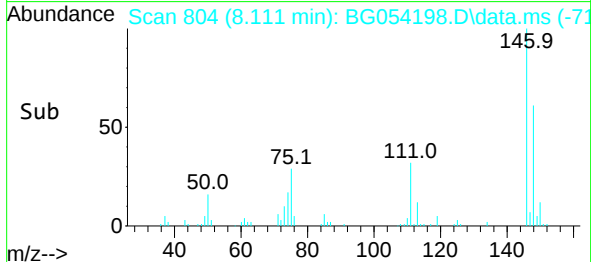
Instrument :
BNA_G
ClientSampleId :
WC-16-2-4



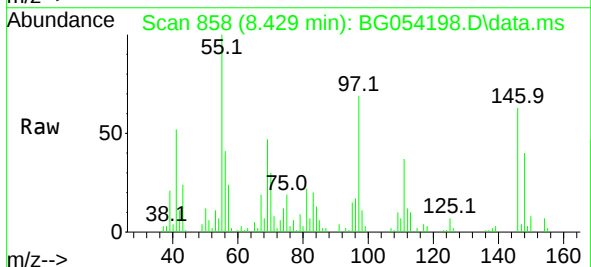
Tgt Ion:146 Resp: 37438
Ion Ratio Lower Upper
146 100
148 61.3 51.5 77.3
111 42.8 33.9 50.9

Manual Integrations
APPROVED

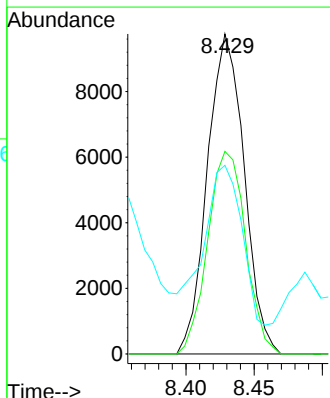
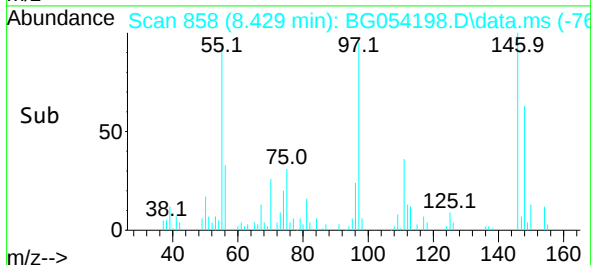
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

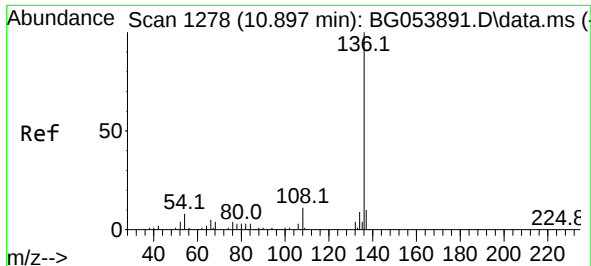


#14
1,2-Dichlorobenzene
Concen: 13.347 ng m
RT: 8.429 min Scan# 858
Delta R.T. -0.000 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35



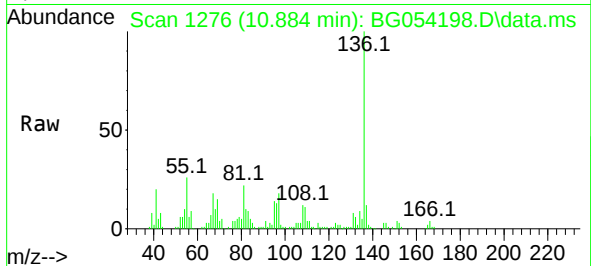
Tgt Ion:146 Resp: 18273
Ion Ratio Lower Upper
146 100
148 63.3 52.6 78.8
111 59.0 34.5 51.7#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1084
Delta R.T. 0.006 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

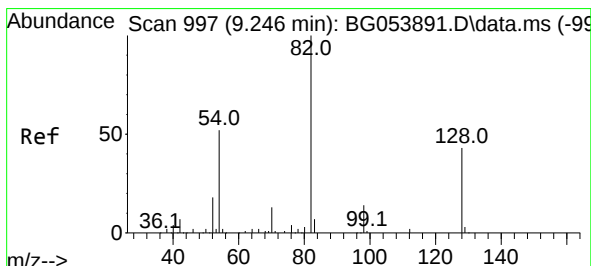
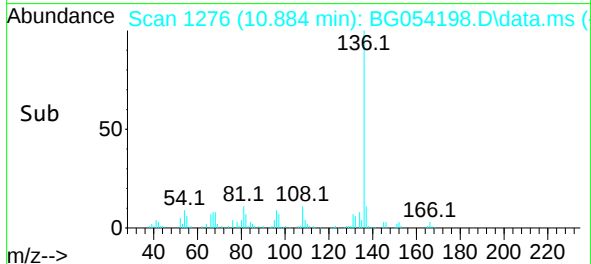
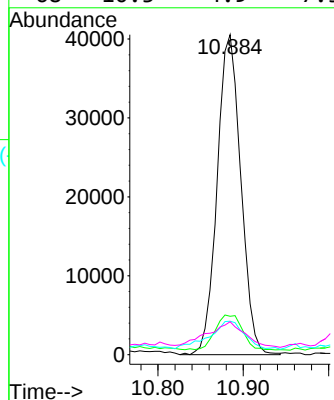
Instrument :
BNA_G
ClientSampleId :
WC-16-2-4



Tgt Ion:136 Resp: 78150
Ion Ratio Lower Upper
136 100
137 12.0 8.5 12.7
54 10.5 7.4 11.2
68 10.3 4.9 7.3#

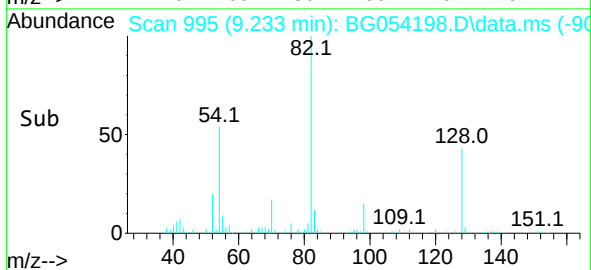
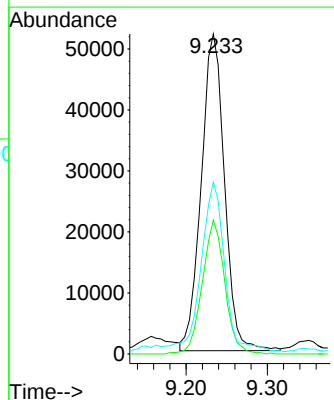
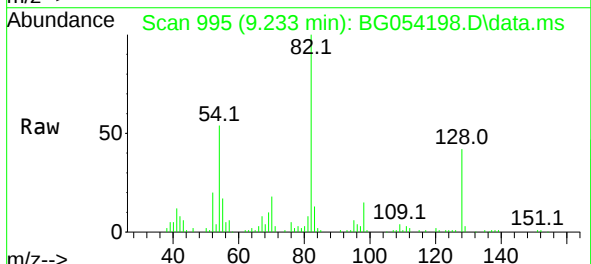
Manual Integrations
APPROVED

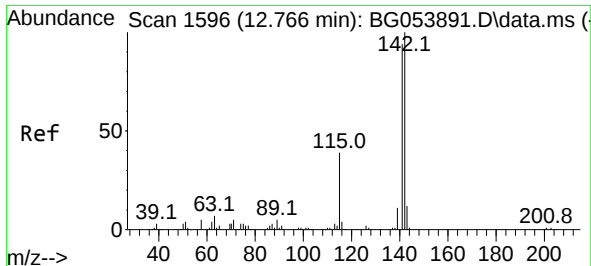
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#23
Nitrobenzene-d5
Concen: 74.339 ng
RT: 9.233 min Scan# 995
Delta R.T. -0.000 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

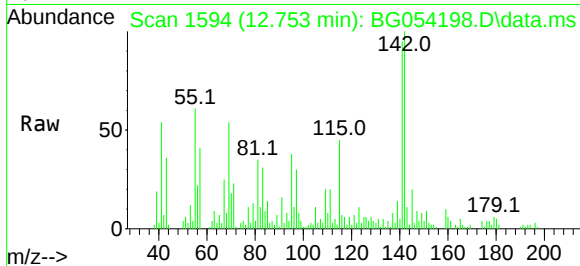
Tgt Ion: 82 Resp: 103381
Ion Ratio Lower Upper
82 100
128 41.9 27.9 41.9
54 53.7 41.2 61.8





#38
1-Methylnaphthalene
Concen: 14.181 ng
RT: 12.753 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

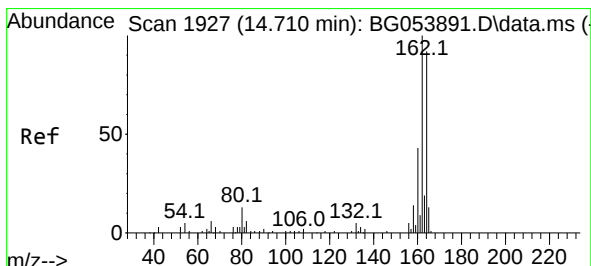
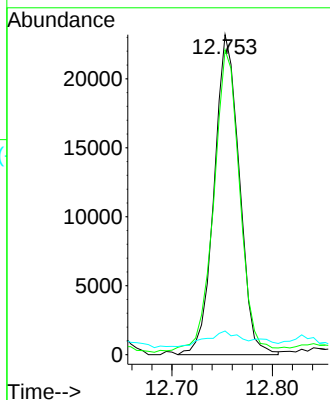
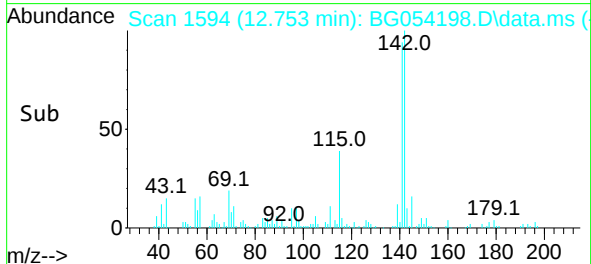
Instrument :
BNA_G
ClientSampleId :
WC-16-2-4



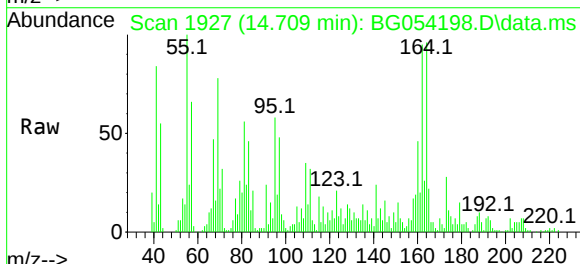
Tgt Ion:142 Resp: 40304
Ion Ratio Lower Upper
142 100
141 95.2 76.4 114.6
116 7.4 3.3 4.9

Manual Integrations
APPROVED

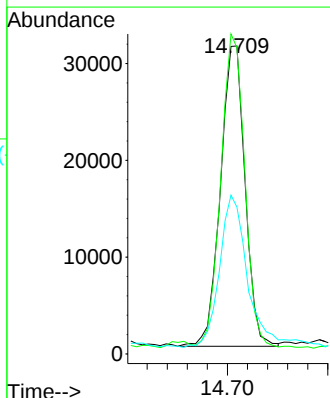
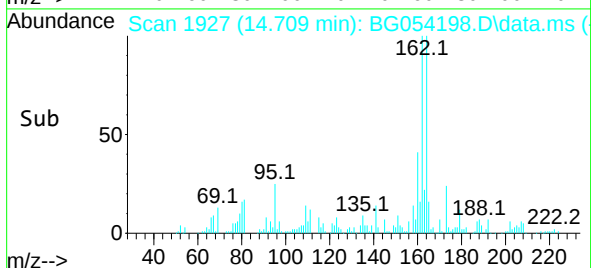
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

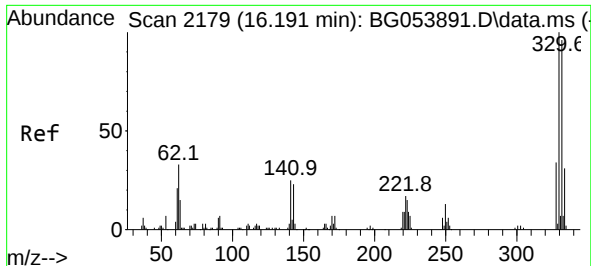


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.709 min Scan# 1927
Delta R.T. 0.012 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35



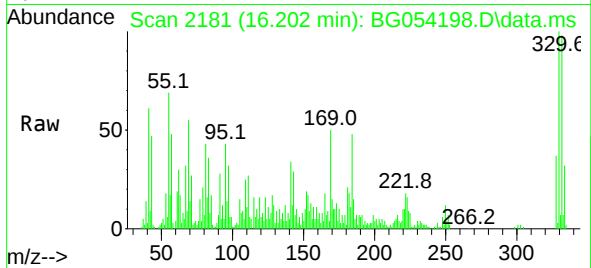
Tgt Ion:164 Resp: 52619
Ion Ratio Lower Upper
164 100
162 99.4 82.3 123.5
160 47.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 103.332 ng
RT: 16.202 min Scan# 2179
Delta R.T. 0.017 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

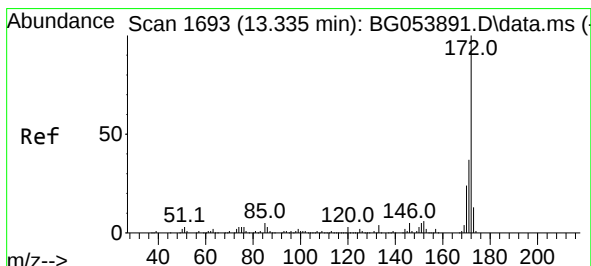
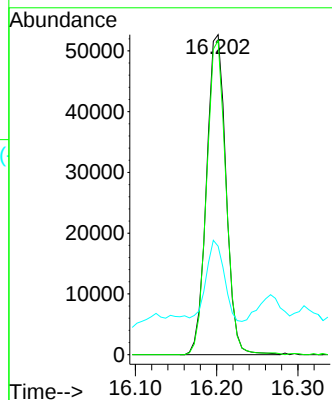
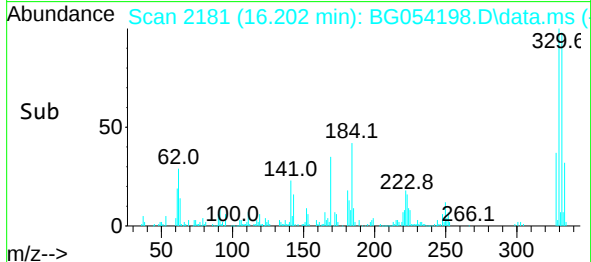
Instrument :
BNA_G
ClientSampleId :
WC-16-2-4



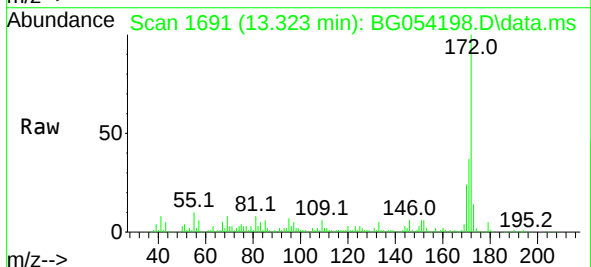
Tgt Ion:330 Resp: 87359
Ion Ratio Lower Upper
330 100
332 97.3 76.0 114.0
141 23.6 27.1 40.7

Manual Integrations
APPROVED

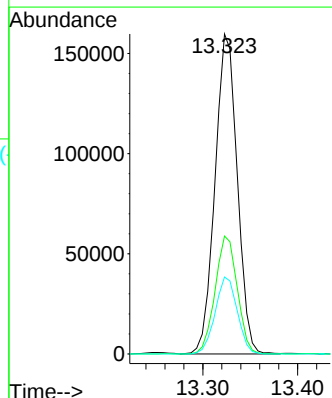
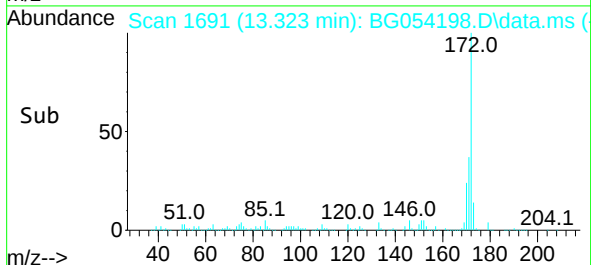
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

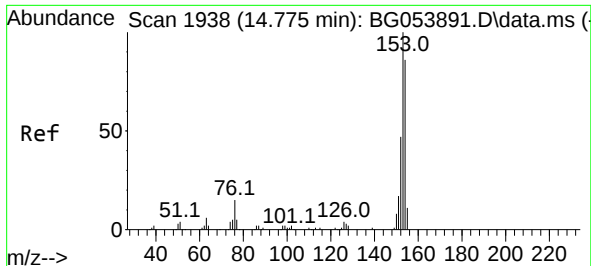


#45
2-Fluorobiphenyl
Concen: 72.058 ng
RT: 13.323 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35



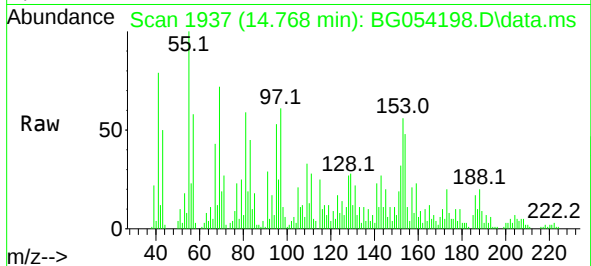
Tgt Ion:172 Resp: 260749
Ion Ratio Lower Upper
172 100
171 36.9 28.5 42.7
170 24.0 18.9 28.3





#52
Acenaphthene
Concen: 7.295 ng
RT: 14.768 min Scan# 1937
Delta R.T. 0.006 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

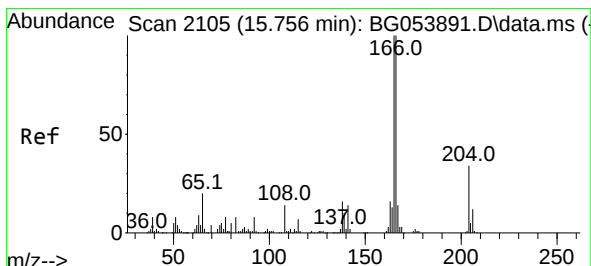
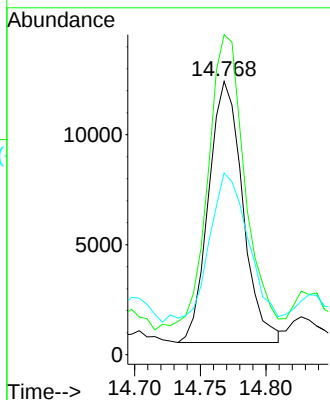
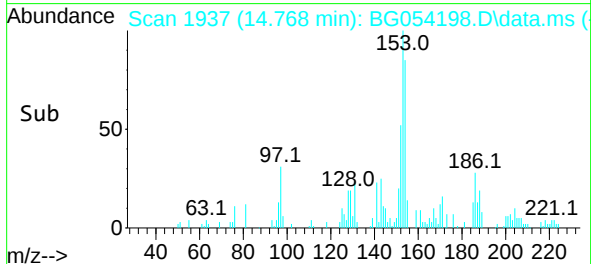
Instrument :
BNA_G
ClientSampleId :
WC-16-2-4



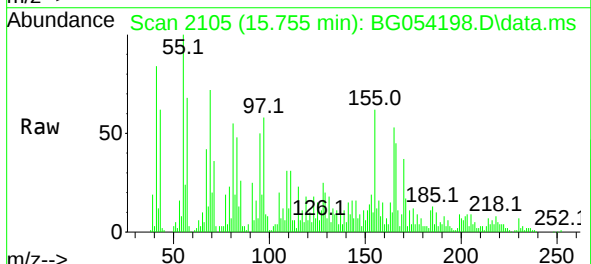
Tgt Ion:154 Resp: 2144
Ion Ratio Lower Upper
154 100
153 117.1 92.7 139.1
152 66.5 42.6 64.0

Manual Integrations
APPROVED

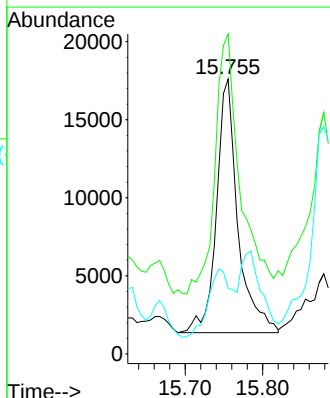
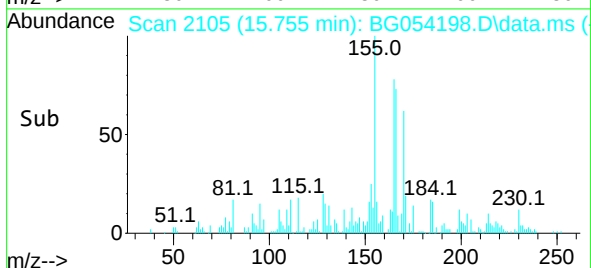
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

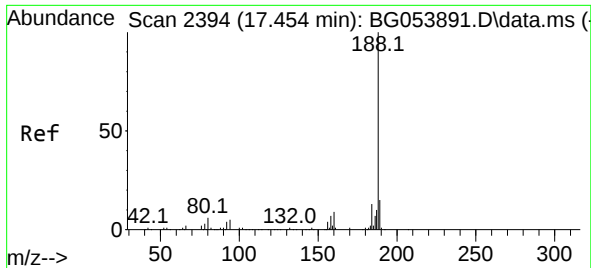


#58
Fluorene
Concen: 8.014 ng
RT: 15.755 min Scan# 2105
Delta R.T. 0.011 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35



Tgt Ion:166 Resp: 31168
Ion Ratio Lower Upper
166 100
165 116.4 75.0 112.6#
167 23.9 10.8 16.2#





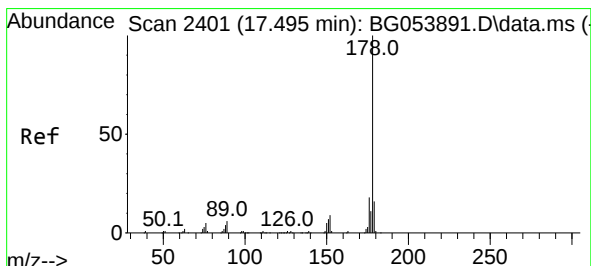
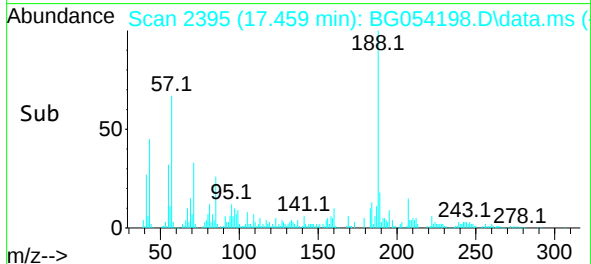
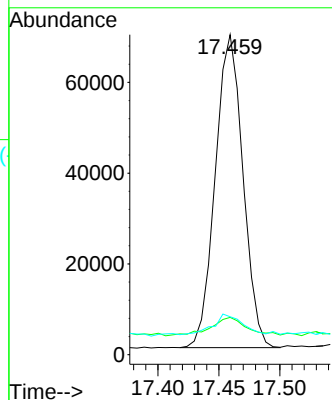
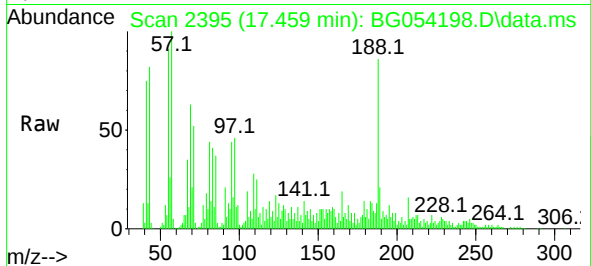
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.459 min Scan# 21
Delta R.T. 0.017 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

Instrument :
BNA_G
ClientSampleId :
WC-16-2-4

Tgt Ion:188 Resp: 109172
Ion Ratio Lower Upper
188 100
94 11.7 5.4 8.0
80 11.8 6.8 10.2

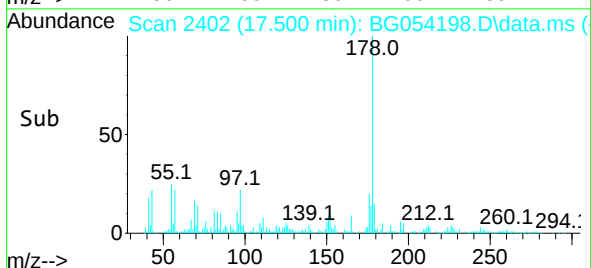
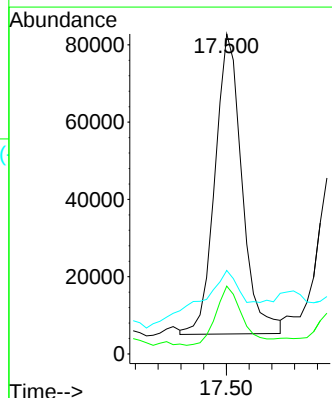
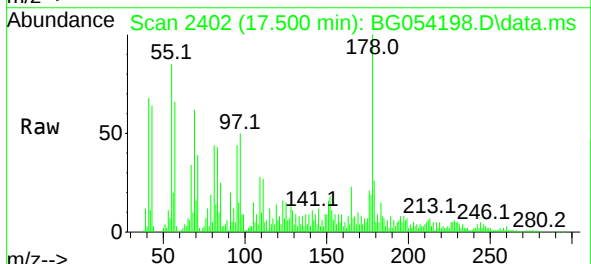
Manual Integrations
APPROVED

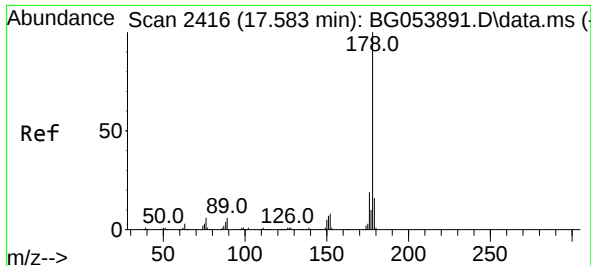
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#71
Phenanthrene
Concen: 22.898 ng
RT: 17.500 min Scan# 2402
Delta R.T. 0.017 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

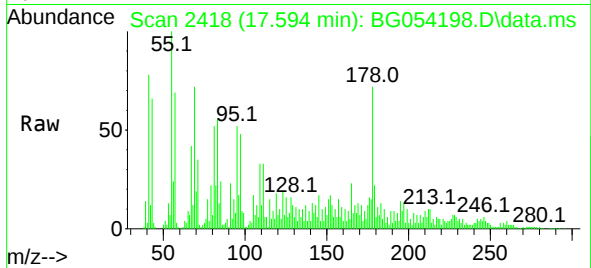
Tgt Ion:178 Resp: 128435
Ion Ratio Lower Upper
178 100
176 21.2 14.1 21.1#
179 26.1 12.1 18.1#





#72
 Anthracene
 Concen: 11.300 ng
 RT: 17.594 min Scan# 2416
 Delta R.T. 0.017 min
 Lab File: BG054198.D
 Acq: 1 Jul 2022 19:35

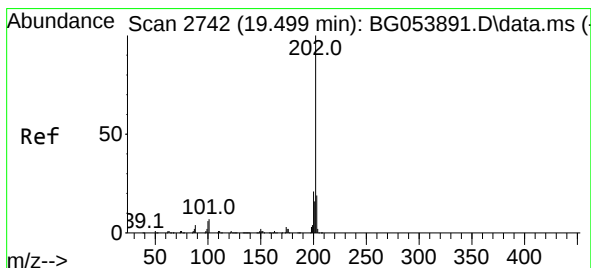
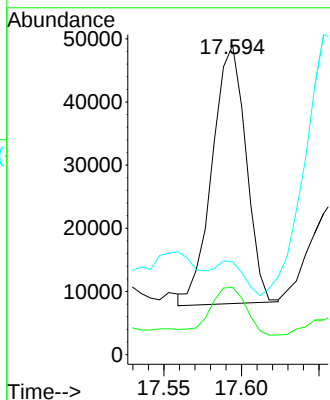
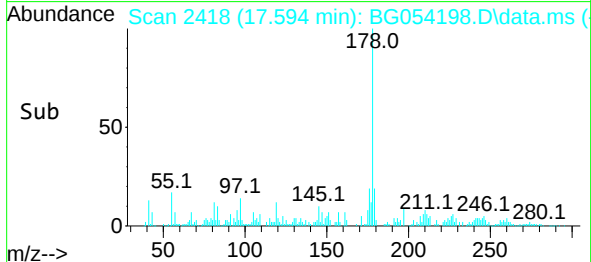
Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-4



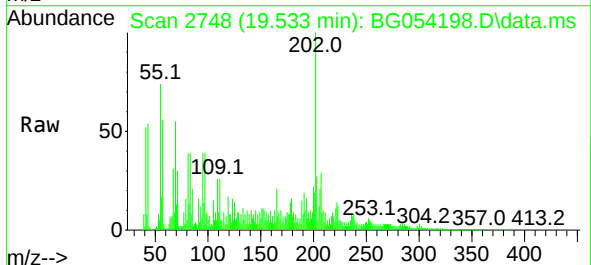
Tgt Ion:178 Resp: 6189
 Ion Ratio Lower Upper
 178 100
 176 21.7 15.2 22.8
 179 30.0 13.0 19.4

Manual Integrations
 APPROVED

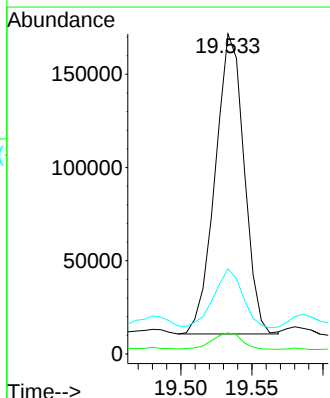
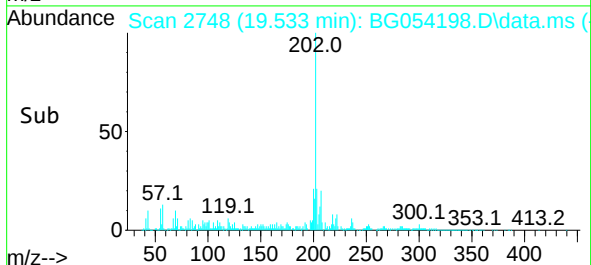
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

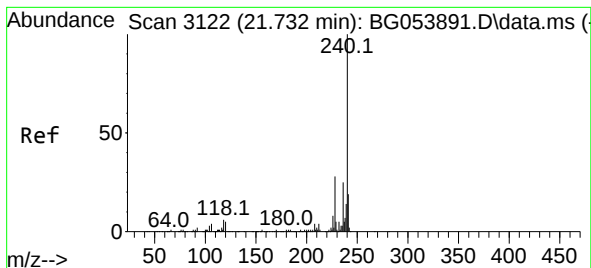


#75
 Fluoranthene
 Concen: 30.958 ng
 RT: 19.533 min Scan# 2748
 Delta R.T. 0.041 min
 Lab File: BG054198.D
 Acq: 1 Jul 2022 19:35



Tgt Ion:202 Resp: 227943
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 26.9
 203 26.6 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.778 min Scan# 3122

Delta R.T. 0.059 min

Lab File: BG054198.D

Acq: 1 Jul 2022 19:35

Instrument :

BNA_G

ClientSampleId :

WC-16-2-4

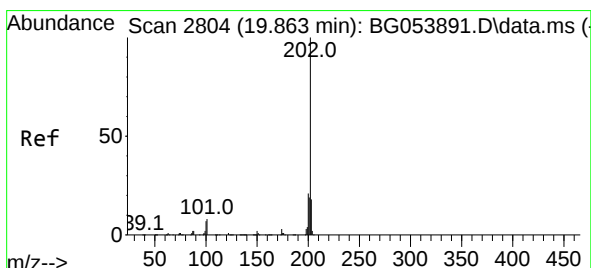
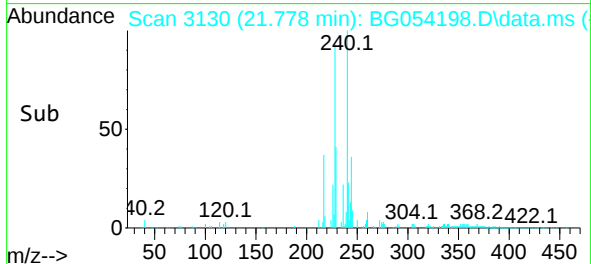
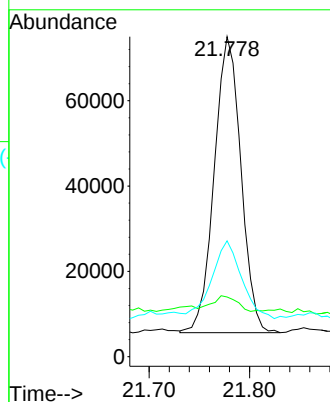
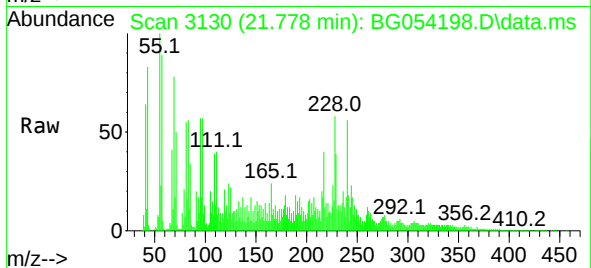
Tgt Ion:240 Resp: 127854
 Ion Ratio Lower Upper
 240 100
 120 18.6 4.6 7.0
 236 36.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#78

Pyrene

Concen: 48.525 ng

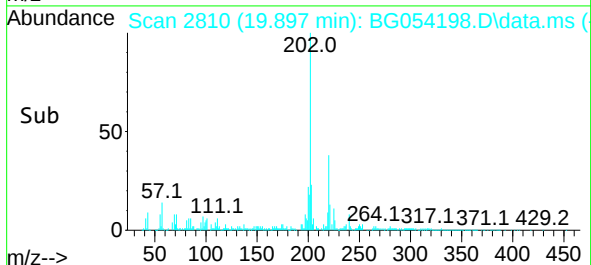
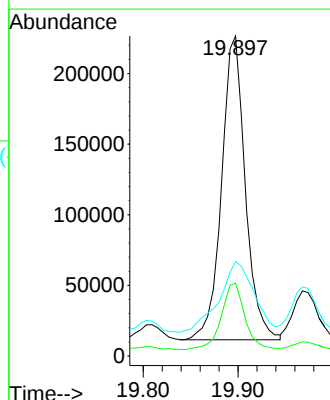
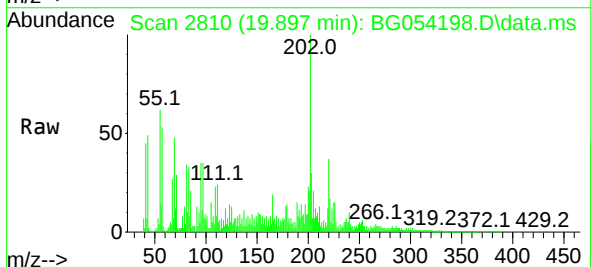
RT: 19.897 min Scan# 2810

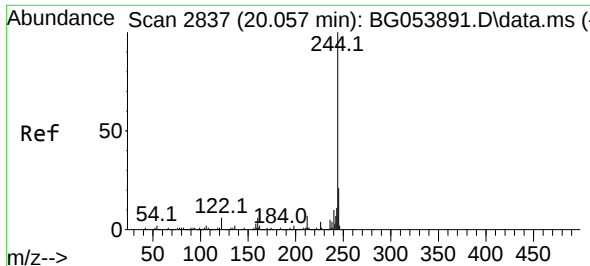
Delta R.T. 0.047 min

Lab File: BG054198.D

Acq: 1 Jul 2022 19:35

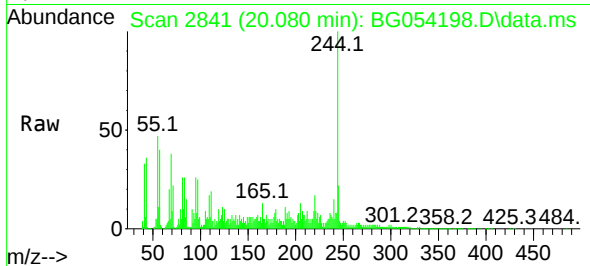
Tgt Ion:202 Resp: 374715
 Ion Ratio Lower Upper
 202 100
 200 22.8 16.6 24.8
 203 29.5 14.6 21.8





#79
 Terphenyl-d14
 Concen: 70.676 ng
 RT: 20.080 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BG054198.D
 Acq: 1 Jul 2022 19:35

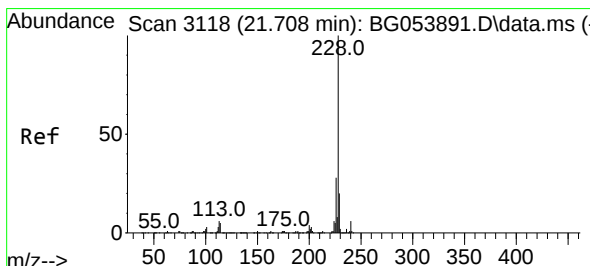
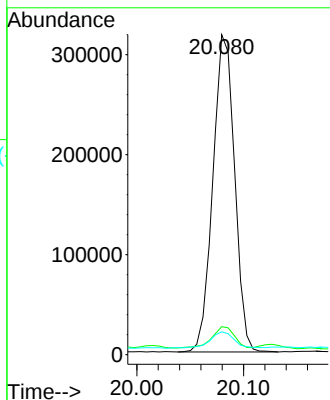
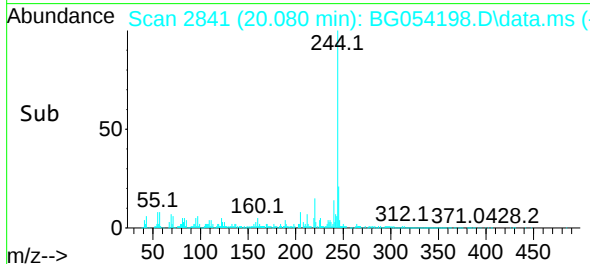
Instrument :
 BNA_G
 ClientSampleId :
 WC-16-2-4



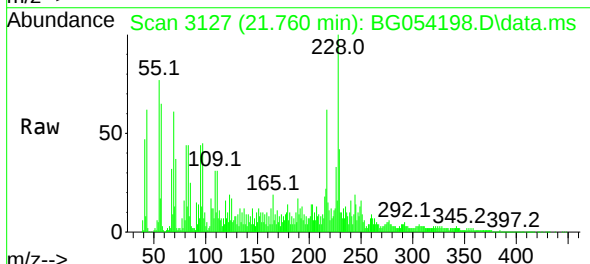
Tgt Ion:244 Resp: 448649
 Ion Ratio Lower Upper
 244 100
 212 8.8 6.5 9.7
 122 7.2 5.0 7.4

Manual Integrations
 APPROVED

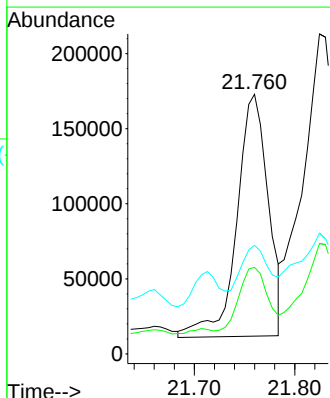
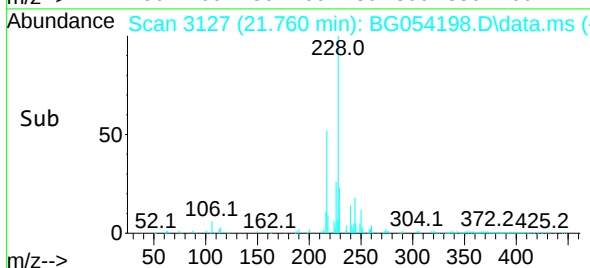
Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

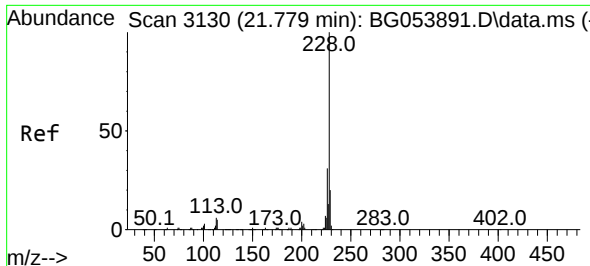


#81
 Benzo(a)anthracene
 Concen: 42.369 ng
 RT: 21.760 min Scan# 3127
 Delta R.T. 0.064 min
 Lab File: BG054198.D
 Acq: 1 Jul 2022 19:35



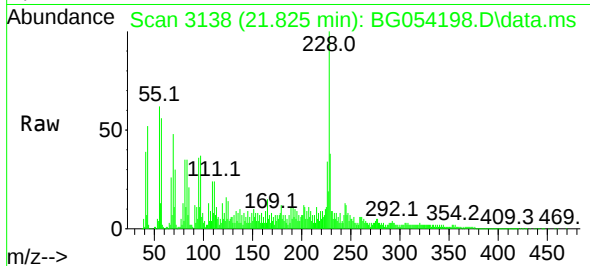
Tgt Ion:228 Resp: 350742
 Ion Ratio Lower Upper
 228 100
 226 33.3 21.6 32.4#
 229 41.8 16.2 24.2#





#83
Chrysene
Concen: 58.529 ng
RT: 21.825 min Scan# 3130
Delta R.T. 0.064 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

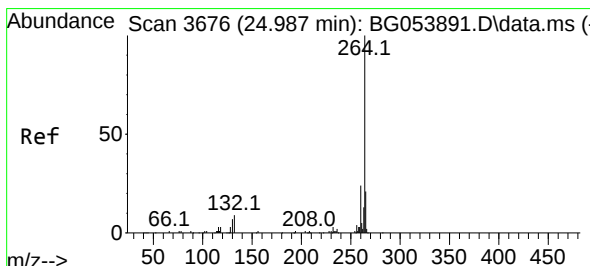
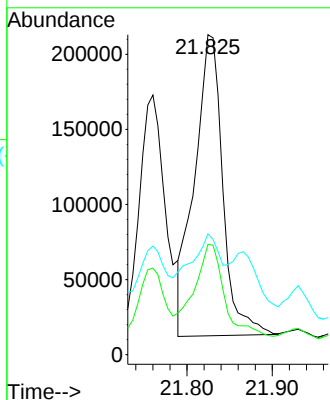
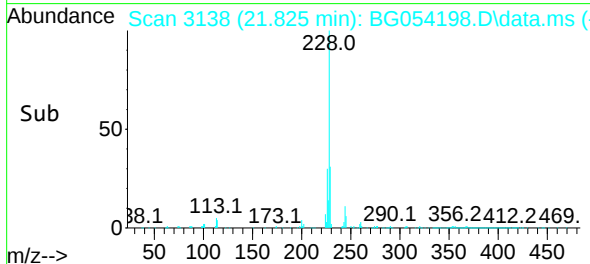
Instrument :
BNA_G
ClientSampleId :
WC-16-2-4



Tgt Ion:228 Resp: 46185
Ion Ratio Lower Upper
228 100
226 34.5 23.4 35.2
229 37.7 15.5 23.3

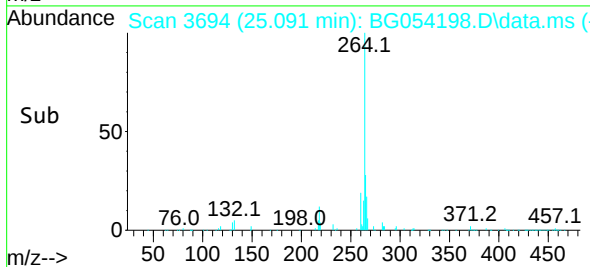
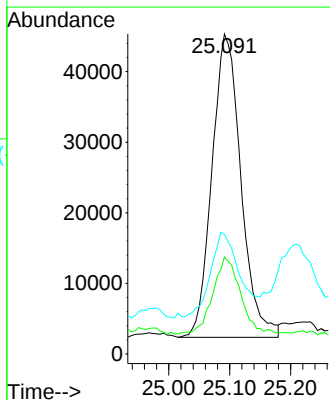
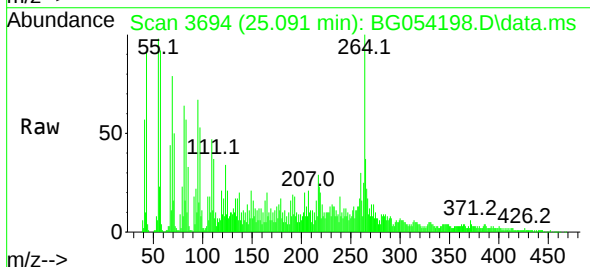
Manual Integrations
APPROVED

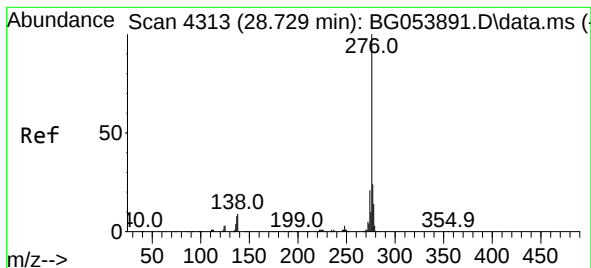
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.091 min Scan# 3694
Delta R.T. 0.129 min
Lab File: BG054198.D
Acq: 1 Jul 2022 19:35

Tgt Ion:264 Resp: 142100
Ion Ratio Lower Upper
264 100
260 30.3 19.0 28.6#
265 37.4 17.4 26.2#





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.323 ng m

RT: 28.875 min Scan# 41

Delta R.T. 0.188 min

Lab File: BG054198.D

Acq: 1 Jul 2022 19:35

Instrument :

BNA_G

ClientSampleId :

WC-16-2-4

Tgt Ion:276 Resp: 13214

Ion Ratio Lower Upper

276 100

138 0.5 5.0 7.4

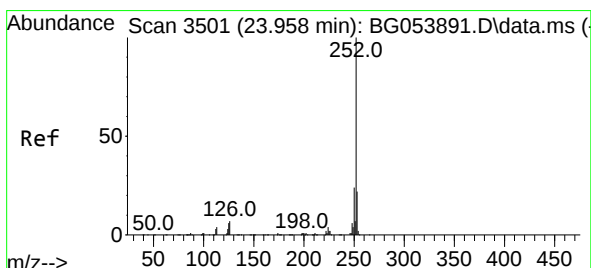
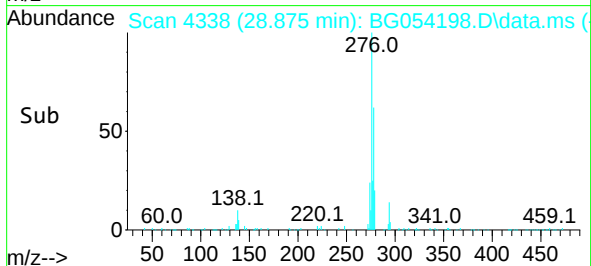
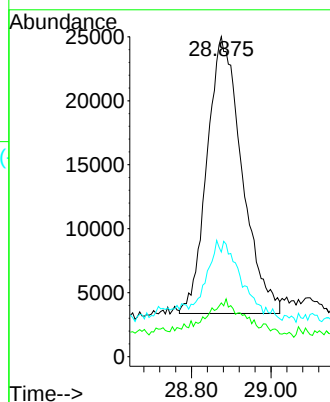
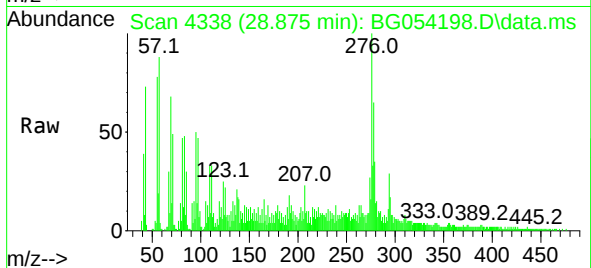
277 1.9 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#88

Benzo(b)fluoranthene

Concen: 30.155 ng m

RT: 24.046 min Scan# 3516

Delta R.T. 0.111 min

Lab File: BG054198.D

Acq: 1 Jul 2022 19:35

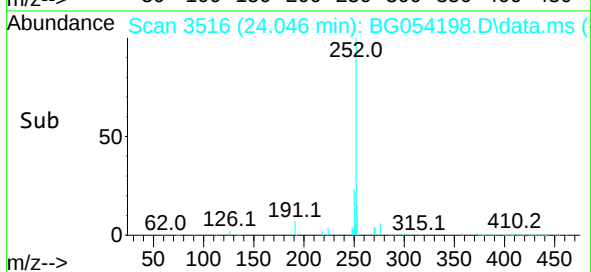
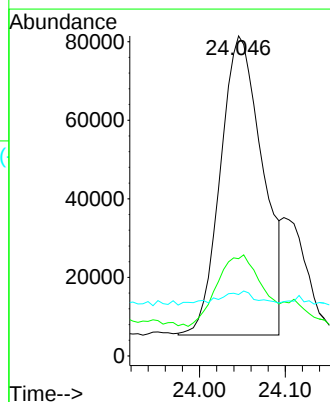
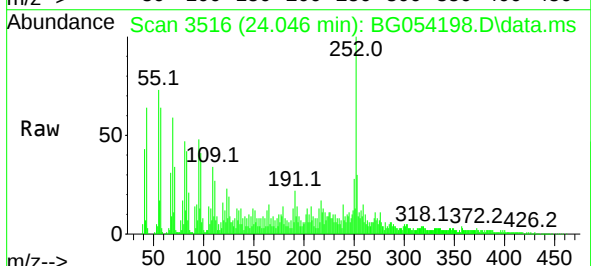
Tgt Ion:252 Resp: 260542

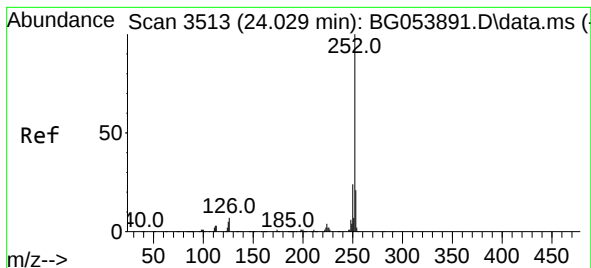
Ion Ratio Lower Upper

252 100

253 30.4 18.0 27.0#

125 19.2 4.6 6.8#





#89

Benzo(k)fluoranthene

Concen: 6.842 ng m

RT: 24.098 min Scan# 3

Delta R.T. 0.094 min

Lab File: BG054198.D

Acq: 1 Jul 2022 19:35

Instrument :

BNA_G

ClientSampleId :

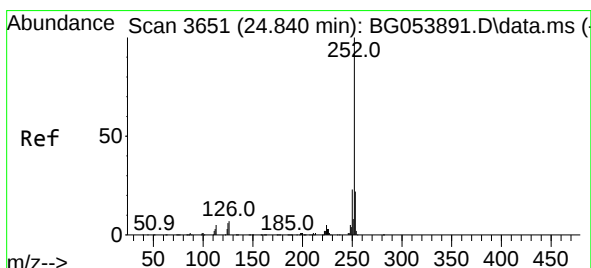
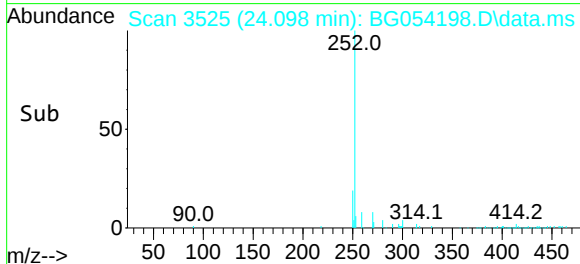
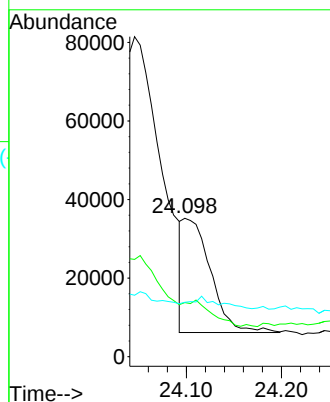
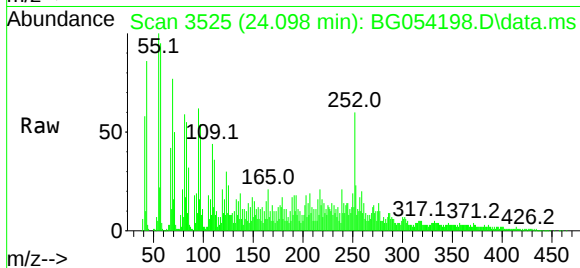
WC-16-2-4

Tgt Ion:252 Resp: 58520
 Ion Ratio Lower Upper
 252 100
 253 39.1 18.4 27.6
 125 39.3 4.8 7.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022



#90

Benzo(a)pyrene

Concen: 43.569 ng

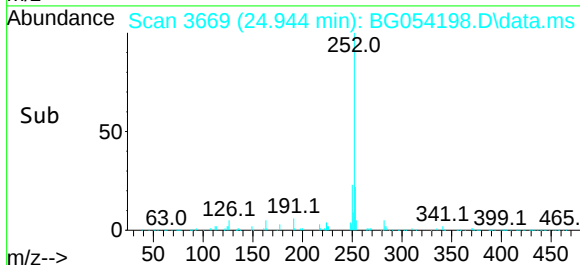
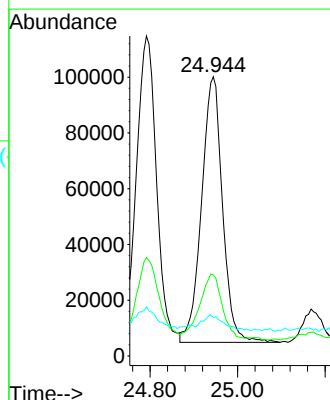
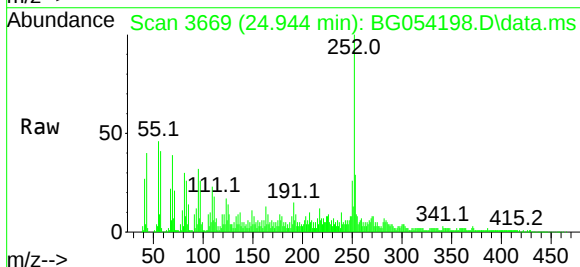
RT: 24.944 min Scan# 3669

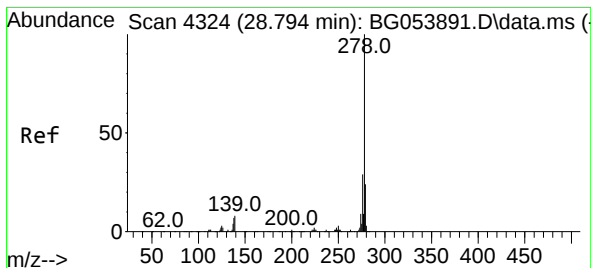
Delta R.T. 0.129 min

Lab File: BG054198.D

Acq: 1 Jul 2022 19:35

Tgt Ion:252 Resp: 317614
 Ion Ratio Lower Upper
 252 100
 253 29.0 17.8 26.8#
 125 13.7 4.3 6.5#





#91

Dibenzo(a,h)anthracene

Concen: 13.056 ng

RT: 28.916 min Scan# 41

Delta R.T. 0.170 min

Lab File: BG054198.D

Acq: 1 Jul 2022 19:35

Instrument :

BNA_G

ClientSampleId :

WC-16-2-4

Tgt Ion:278 Resp: 115779

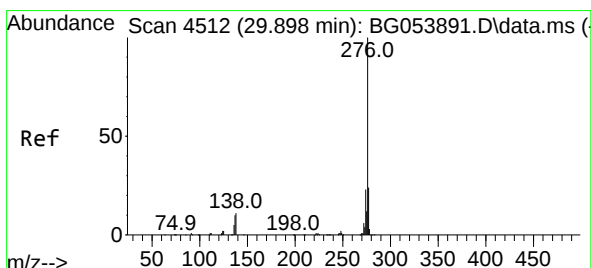
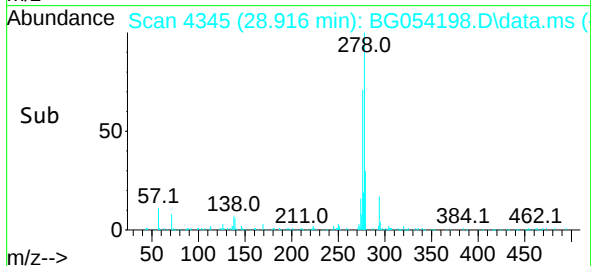
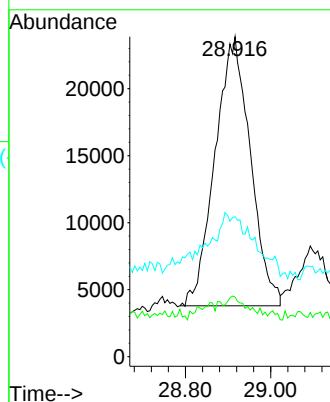
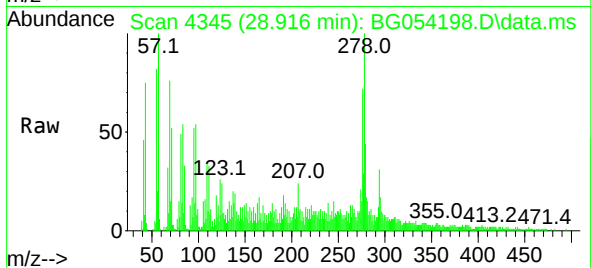
Ion	Ratio	Lower	Upper
278	100		
139	18.7	7.2	10.8
279	43.8	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022



#92

Benzo(g,h,i)perylene

Concen: 25.126 ng

RT: 30.068 min Scan# 4541

Delta R.T. 0.205 min

Lab File: BG054198.D

Acq: 1 Jul 2022 19:35

Tgt Ion:276 Resp: 219877

Ion	Ratio	Lower	Upper
276	100		
277	28.1	17.3	25.9
138	12.9	9.6	14.4

