

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090822\
 Data File : BG054891.D
 Acq On : 8 Sep 2022 20:01
 Operator : CG/JU
 Sample : N4520-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 600540642

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/09/2022
 Supervised By : Jagrut Upadhyay 09/09/2022

Quant Time: Sep 09 02:52:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 09 02:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.147	152	48123	20.000	ng	0.00
21) Naphthalene-d8	10.973	136	199067	20.000	ng	# 0.00
39) Acenaphthene-d10	14.780	164	131008	20.000	ng	-0.01
64) Phenanthrene-d10	17.530	188	269012	20.000	ng	0.00
76) Chrysene-d12	21.831	240	247989	20.000	ng	0.00
86) Perylene-d12	25.221	264	268751	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	269598	97.556	ng	0.00
7) Phenol-d6	7.307	99	364358	96.407	ng	0.00
23) Nitrobenzene-d5	9.322	82	215508	56.832	ng	0.00
42) 2,4,6-Tribromophenol	16.273	330	147714	90.233	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	507434	58.216	ng	0.00
79) Terphenyl-d14	20.133	244	722305	57.711	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.026	128	64321	6.022	ng	99
37) 2-Methylnaphthalene	12.618	142	111221	14.858	ng	99
38) 1-Methylnaphthalene	12.841	142	133889	18.384	ng	100
49) Acenaphthylene	14.510	152	107704	8.834	ng	# 92
52) Acenaphthene	14.845	154	42590m	5.438	ng	
55) Dibenzofuran	15.180	168	36001	3.128	ng	# 79
58) Fluorene	15.826	166	177671	18.326	ng	100
71) Phenanthrene	17.577	178	1013514	70.724	ng	98
72) Anthracene	17.665	178	178961	12.845	ng	99
75) Fluoranthene	19.581	202	662709	38.015	ng	97
78) Pyrene	19.945	202	1001282	57.904	ng	97
81) Benzo(a)anthracene	21.807	228	373862	22.235	ng	# 92
83) Chrysene	21.878	228	457935m	28.484	ng	
87) Indeno(1,2,3-cd)pyrene	29.122	276	147551	7.232	ng	# 97
88) Benzo(b)fluoranthene	24.140	252	316558m	18.777	ng	
89) Benzo(k)fluoranthene	24.199	252	100456m	5.921	ng	
90) Benzo(a)pyrene	25.062	252	311765	21.645	ng	97
91) Dibenzo(a,h)anthracene	29.175	278	44680	2.688	ng	# 71
92) Benzo(g,h,i)perylene	30.356	276	168771	10.051	ng	96

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

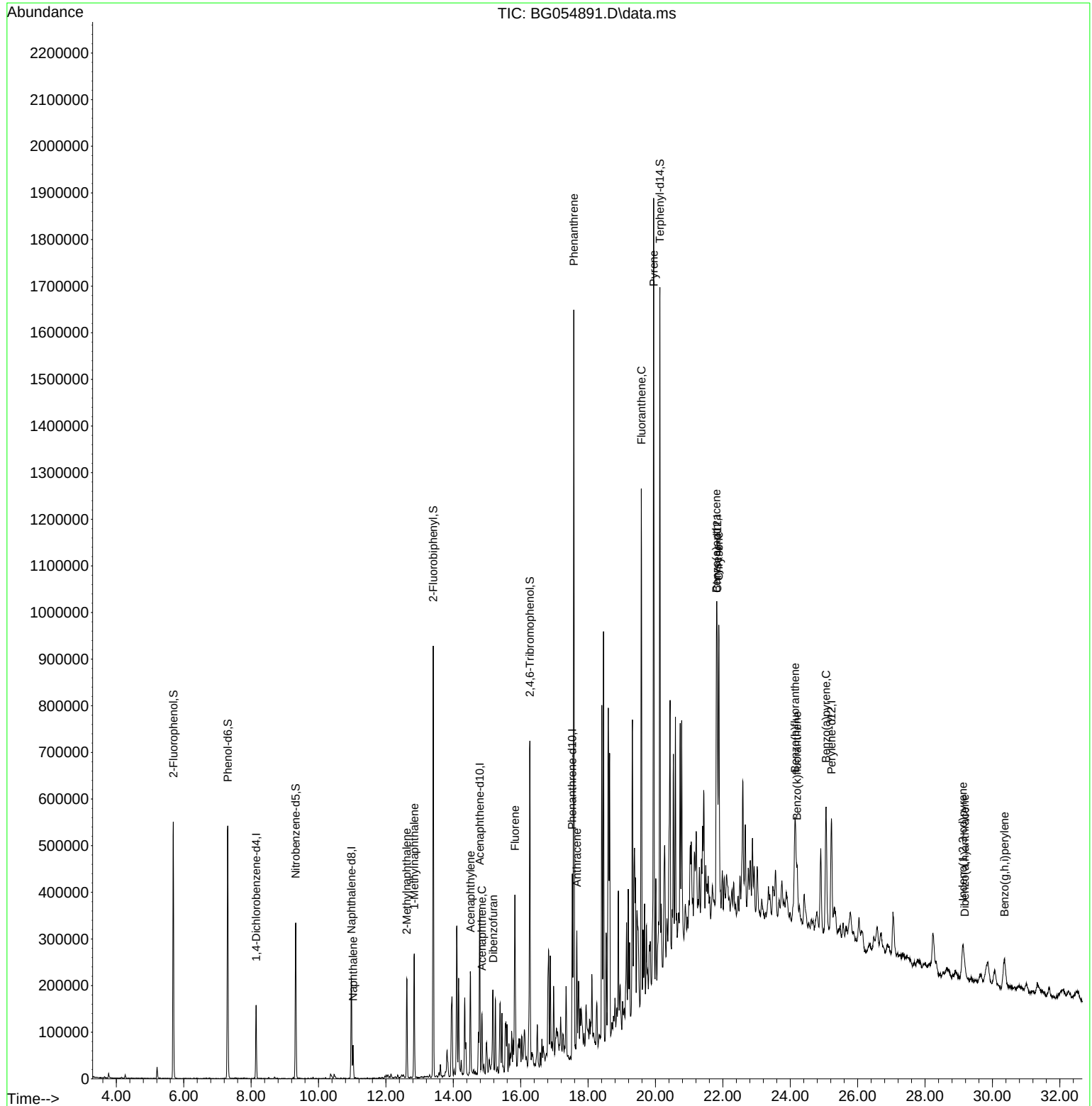
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090822\
Data File : BG054891.D
Acq On : 8 Sep 2022 20:01
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ALS Vial : 13 Sample Multiplier: 1

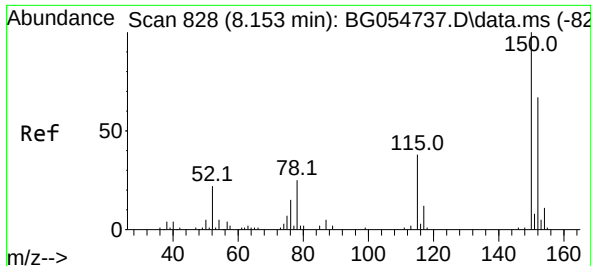
Instrument :
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Quant Time: Sep 09 02:52:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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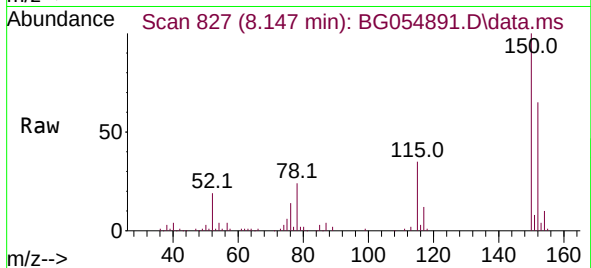
Reviewed By : Christian Giraldo 09/09/2022
Supervised By : Jagrut Upadhyay 09/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.147 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

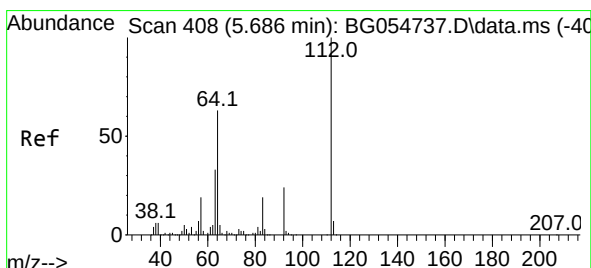
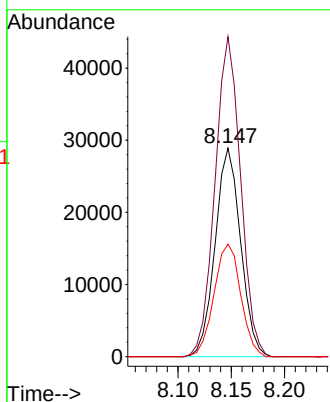
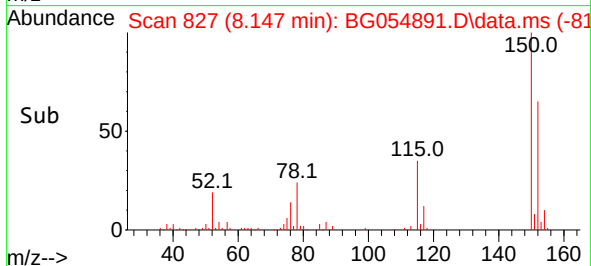
Instrument :
BNA_G
ClientSampleId :
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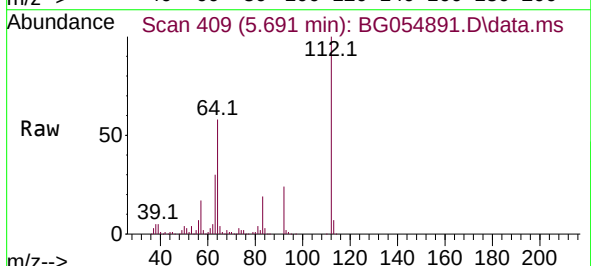
Tgt Ion:152 Resp: 48123
Ion Ratio Lower Upper
152 100
150 153.5 125.2 187.8
115 53.9 47.9 71.9

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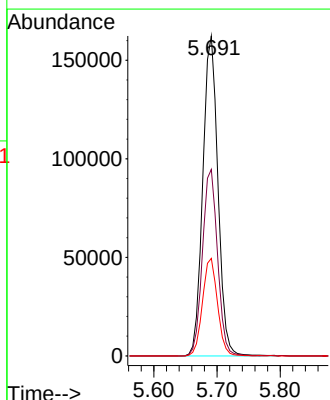
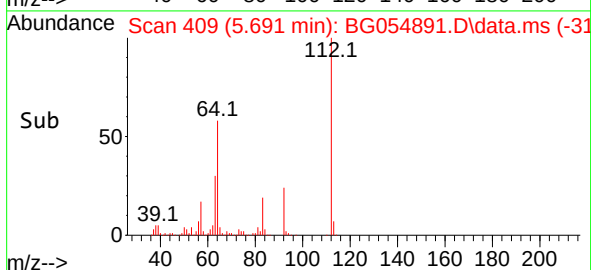
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

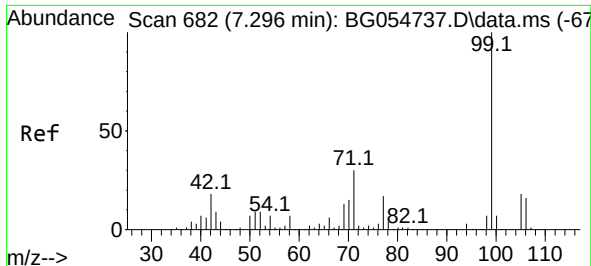


#5
2-Fluorophenol
Concen: 97.556 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



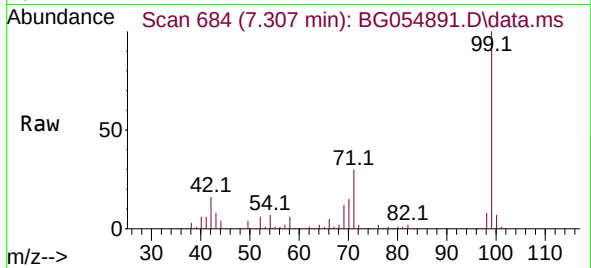
Tgt Ion:112 Resp: 269598
Ion Ratio Lower Upper
112 100
64 58.3 49.3 73.9
63 30.5 26.3 39.5





#7
Phenol-d6
Concen: 96.407 ng
RT: 7.307 min Scan# 682
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

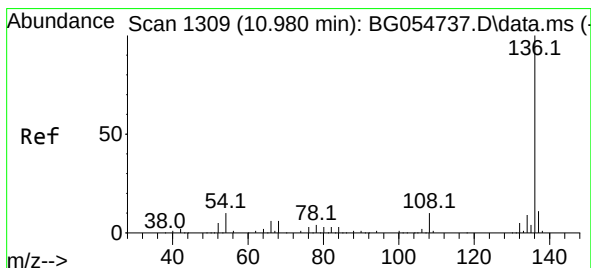
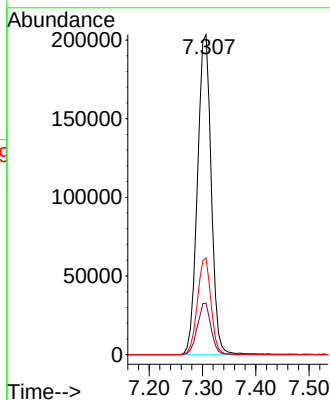
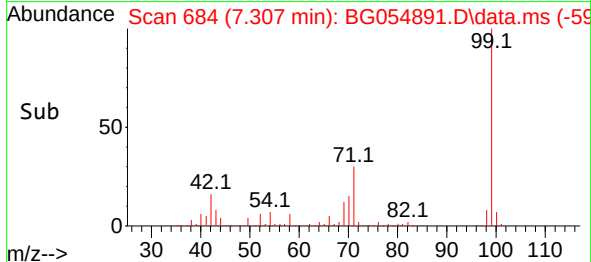
Instrument :
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ClientSampleId :
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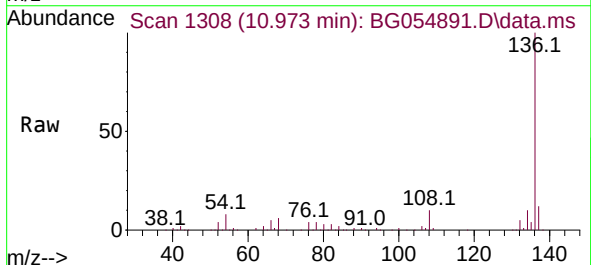
Tgt Ion: 99 Resp: 364358
Ion Ratio Lower Upper
99 100
42 16.0 14.6 22.0
71 30.2 24.6 37.0

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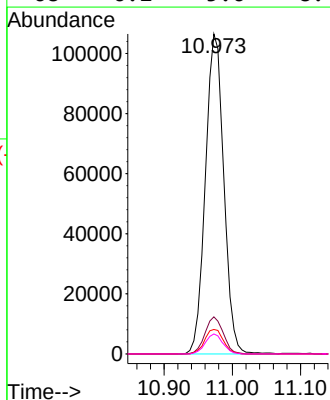
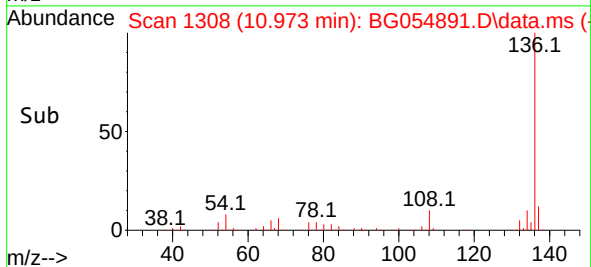
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

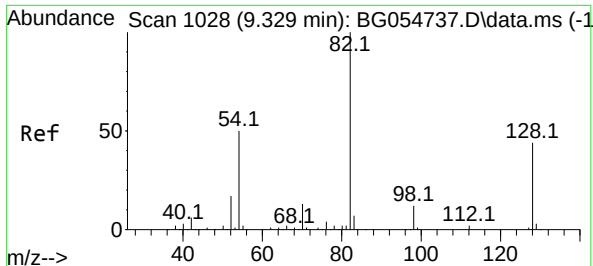


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.973 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



Tgt Ion:136 Resp: 199067
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 7.6 7.7 11.5#
68 6.2 5.6 8.4





#23

Nitrobenzene-d5

Concen: 56.832 ng

RT: 9.322 min Scan# 1027

Delta R.T. -0.006 min

Lab File: BG054891.D

Acq: 8 Sep 2022 20:01

Instrument :

BNA_G

ClientSampleId :

600540642

Tgt Ion: 82 Resp: 215508

Ion Ratio Lower Upper

82 100

128 45.7 32.2 48.2

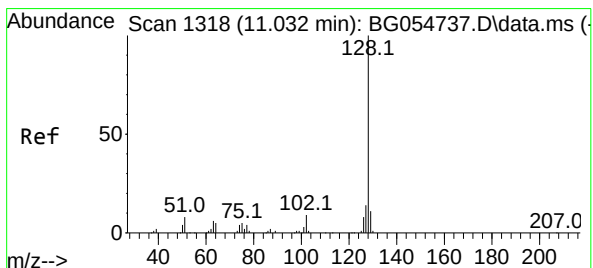
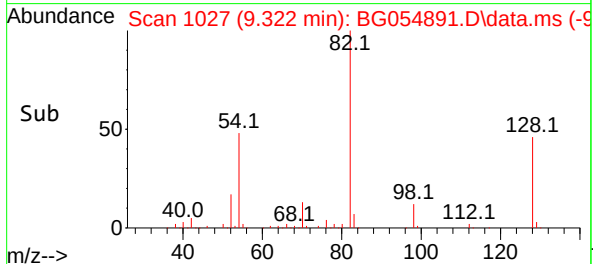
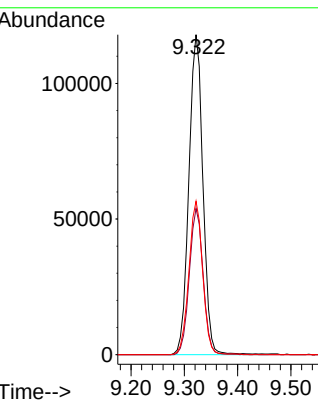
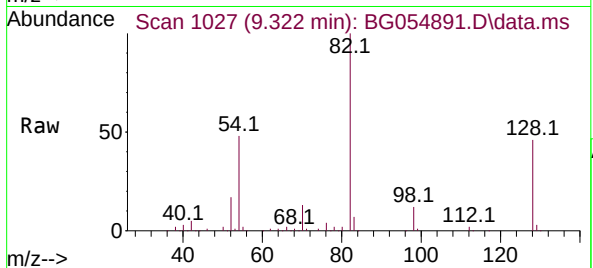
54 47.9 41.4 62.0

Manual Integrations

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#31

Naphthalene

Concen: 6.022 ng

RT: 11.026 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BG054891.D

Acq: 8 Sep 2022 20:01

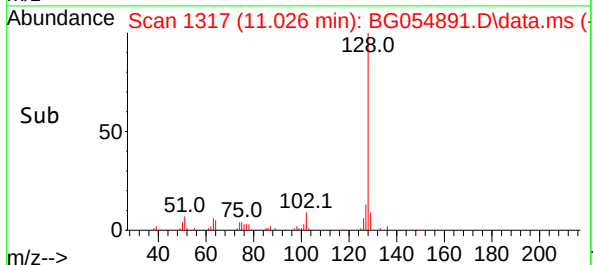
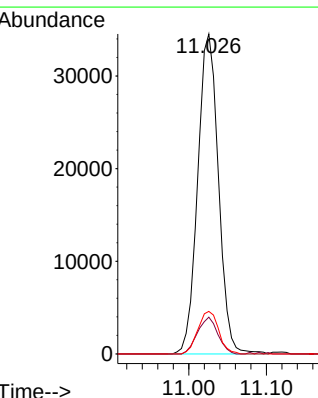
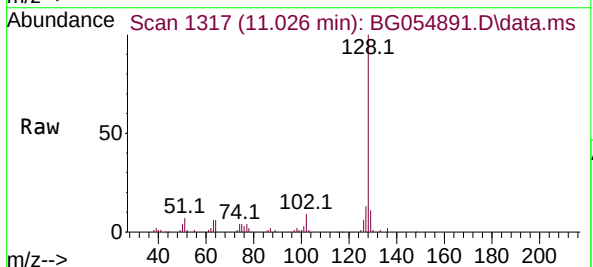
Tgt Ion:128 Resp: 64321

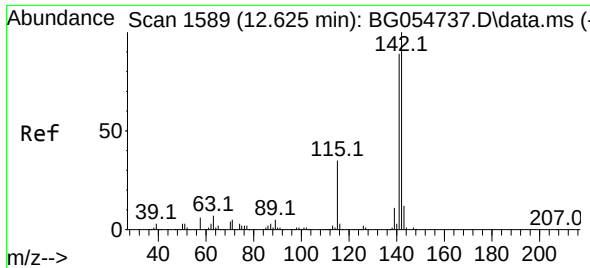
Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

127 13.3 11.1 16.7





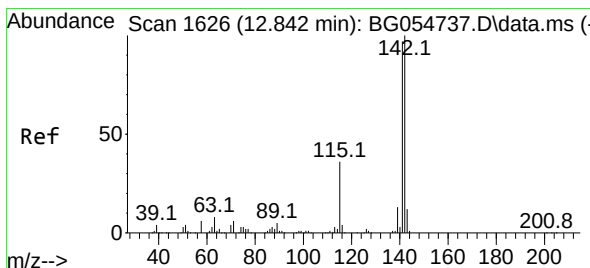
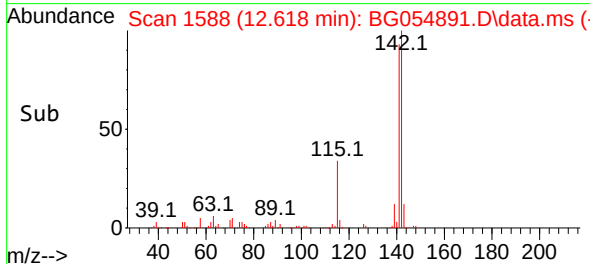
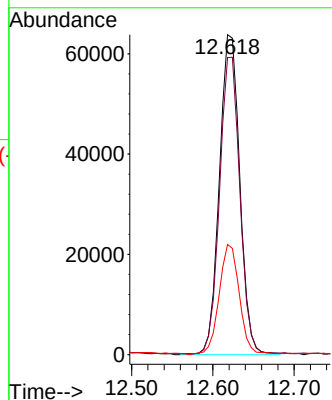
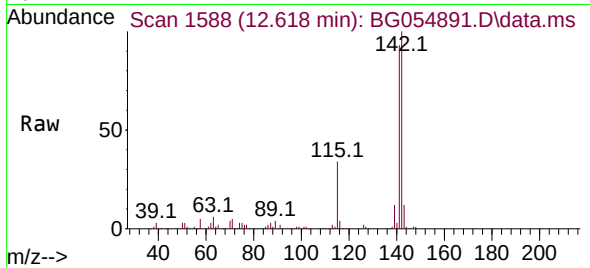
#37
2-Methylnaphthalene
Concen: 14.858 ng
RT: 12.618 min Scan# 11122
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Instrument :
BNA_G
ClientSampleId :
600540642

Tgt Ion:142 Resp: 11122
Ion Ratio Lower Upper
142 100
141 92.8 73.0 109.4
115 34.4 27.3 40.9

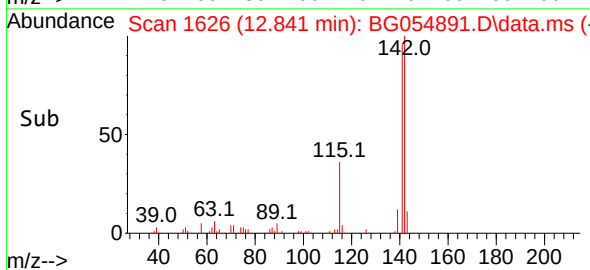
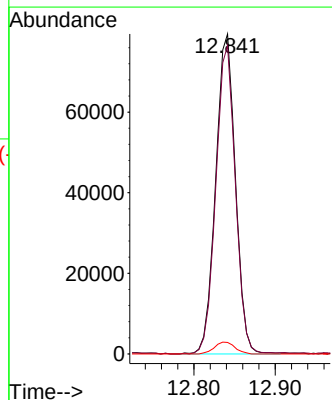
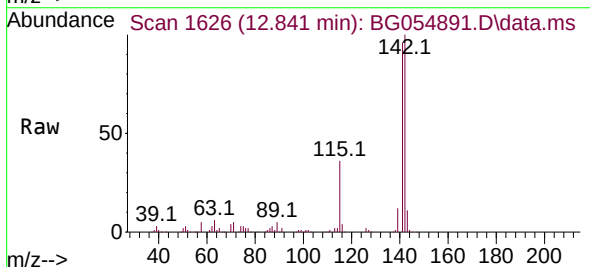
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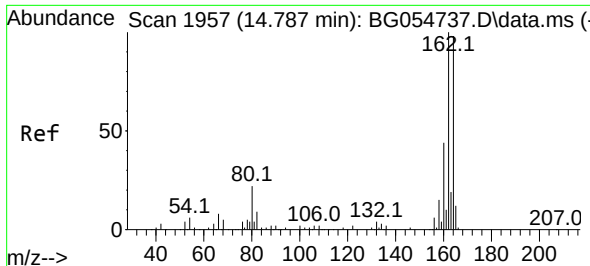
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#38
1-Methylnaphthalene
Concen: 18.384 ng
RT: 12.841 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

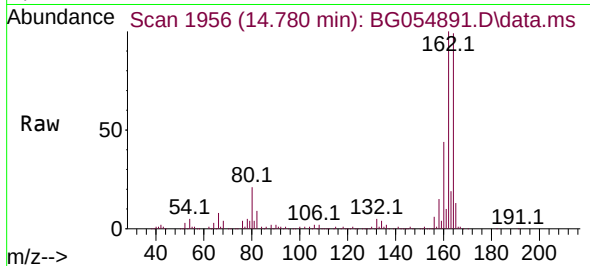
Tgt Ion:142 Resp: 133889
Ion Ratio Lower Upper
142 100
141 96.4 77.4 116.0
116 3.6 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.780 min Scan# 1957
Delta R.T. -0.011 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

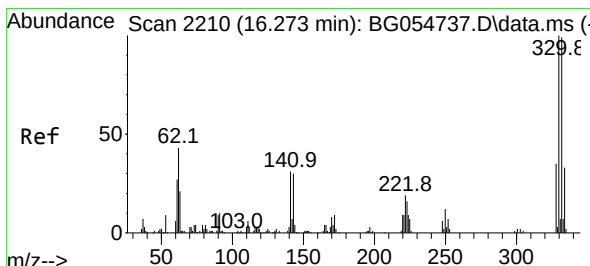
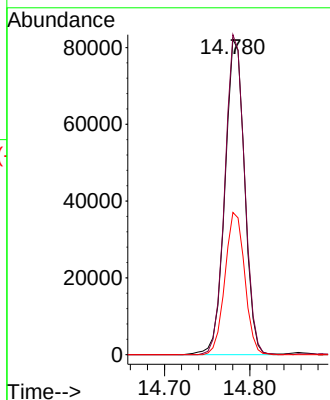
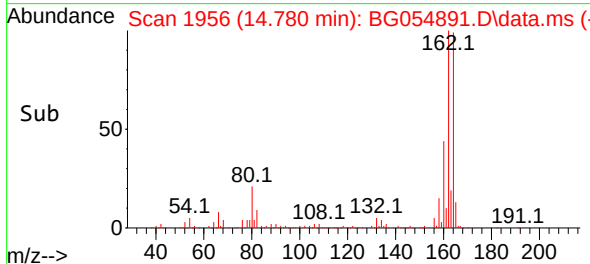
Instrument :
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ClientSampleId :
600540642



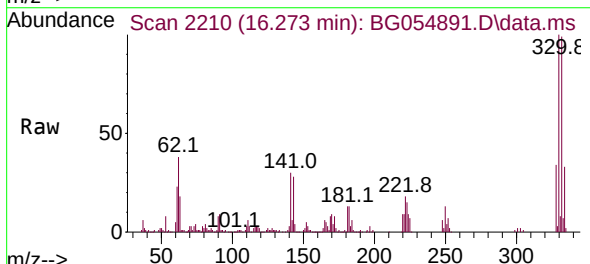
Tgt Ion:164 Resp: 131008
Ion Ratio Lower Upper
164 100
162 101.4 83.0 124.4
160 45.0 38.0 57.0

Manual Integrations
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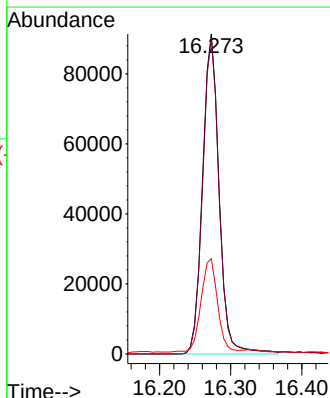
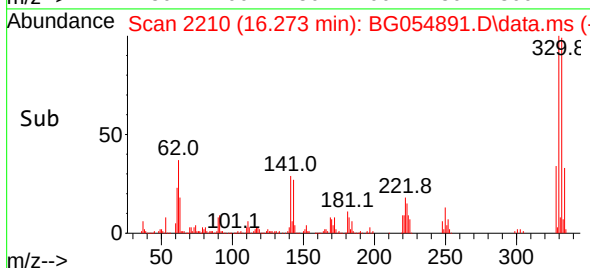
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

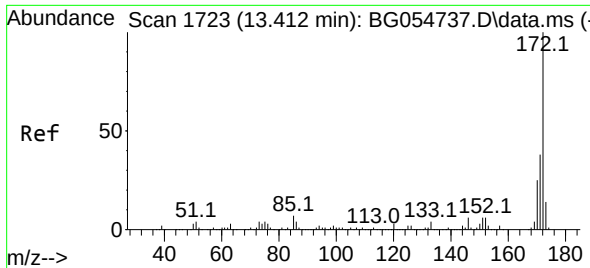


#42
2,4,6-Tribromophenol
Concen: 90.233 ng
RT: 16.273 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



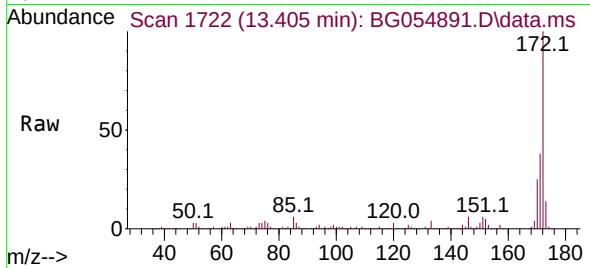
Tgt Ion:330 Resp: 147714
Ion Ratio Lower Upper
330 100
332 98.0 79.8 119.6
141 28.9 26.8 40.2





#45
2-Fluorobiphenyl
Concen: 58.216 ng
RT: 13.405 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

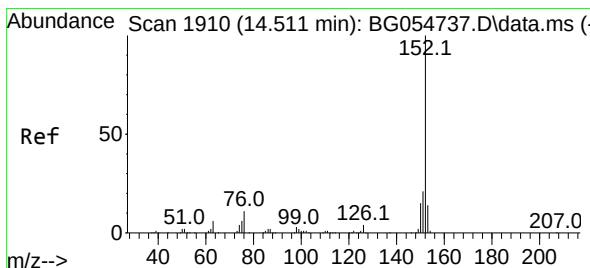
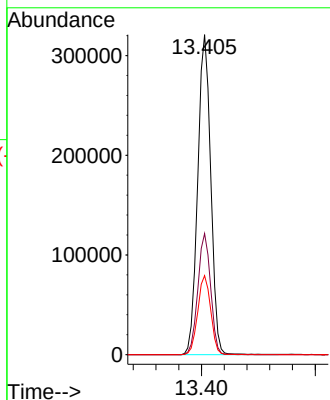
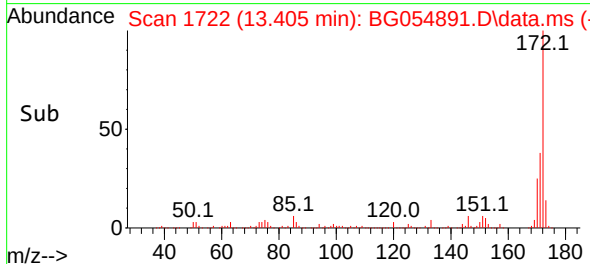
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600540642



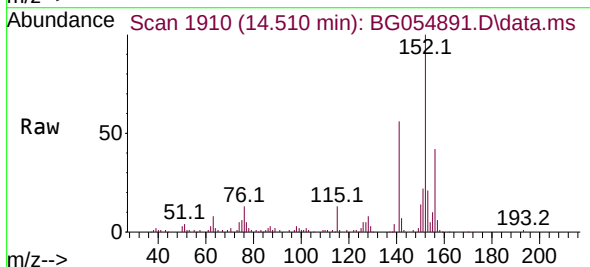
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Ion Ratio Lower Upper
172 100
171 37.8 31.2 46.8
170 24.7 20.6 30.8

Manual Integrations
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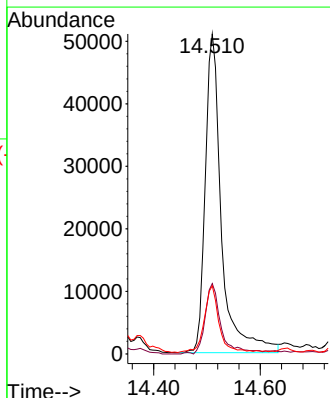
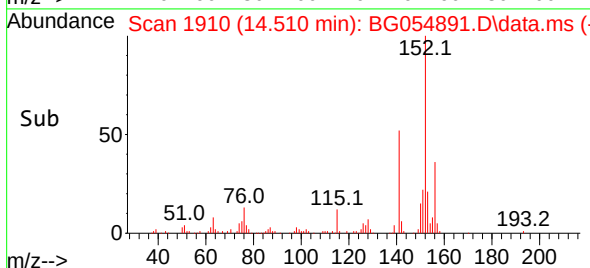
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

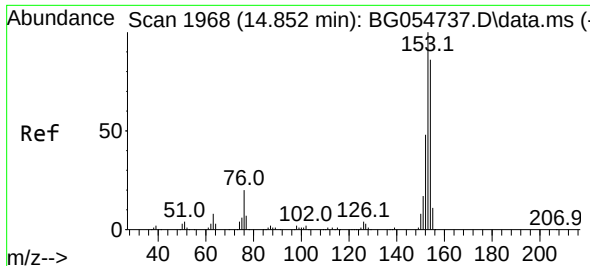


#49
Acenaphthylene
Concen: 8.834 ng
RT: 14.510 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



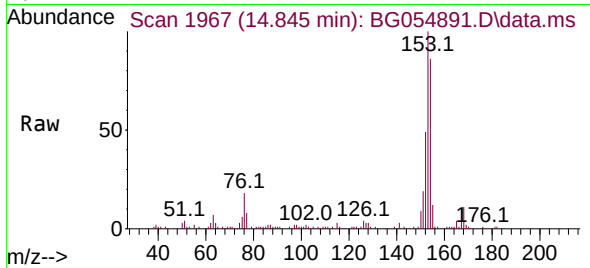
Tgt Ion:152 Resp: 107704
Ion Ratio Lower Upper
152 100
151 22.0 17.3 25.9
153 21.3 10.8 16.2#





#52
Acenaphthene
Concen: 5.438 ng m
RT: 14.845 min Scan# 1968
Delta R.T. -0.011 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

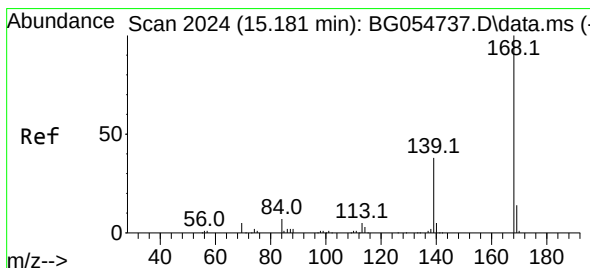
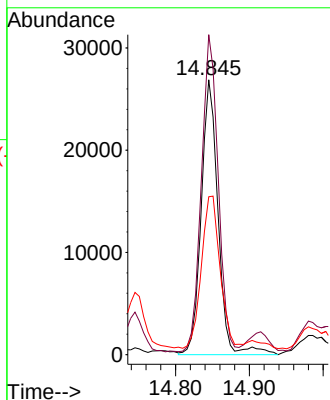
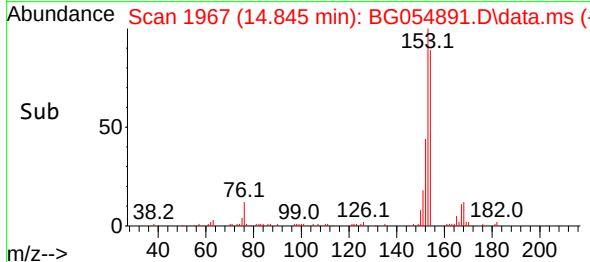
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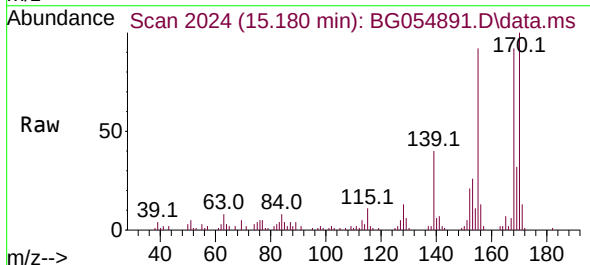
Tgt Ion:154 Resp: 42590
Ion Ratio Lower Upper
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153 116.5 92.8 139.2
152 57.4 45.4 68.2

Manual Integrations
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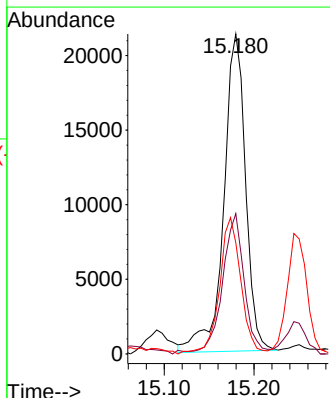
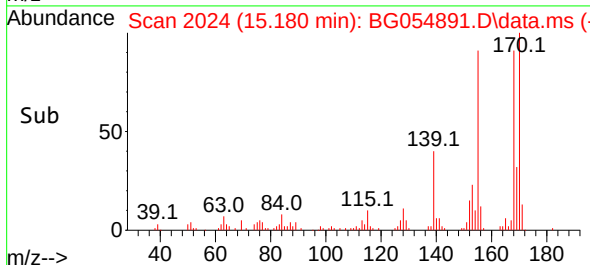
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

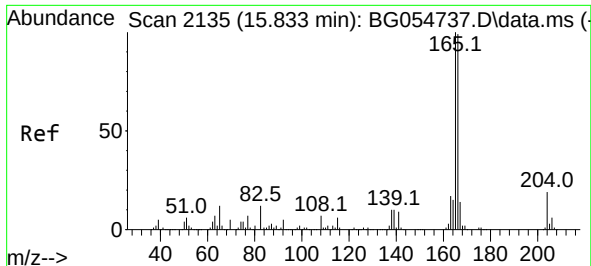


#55
Dibenzofuran
Concen: 3.128 ng
RT: 15.180 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



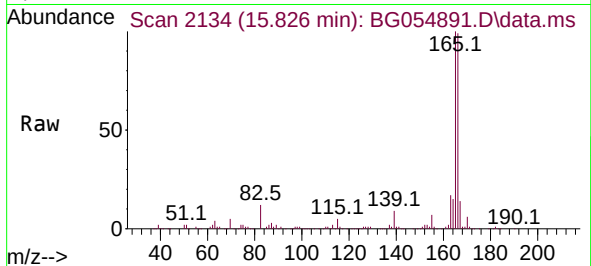
Tgt Ion:168 Resp: 36001
Ion Ratio Lower Upper
168 100
139 43.8 30.2 45.2
169 34.7 11.3 16.9#





#58
Fluorene
Concen: 18.326 ng
RT: 15.826 min Scan# 2135
Delta R.T. -0.011 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

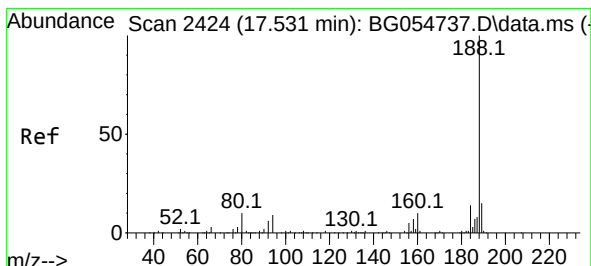
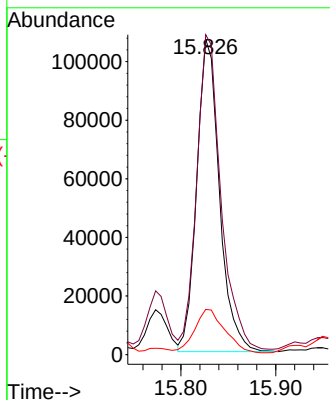
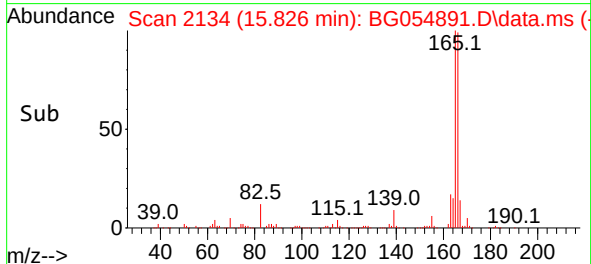
Instrument :
BNA_G
ClientSampleId :
600540642



Tgt Ion:166 Resp: 17767
Ion Ratio Lower Upper
166 100
165 101.4 80.8 121.2
167 14.3 11.4 17.0

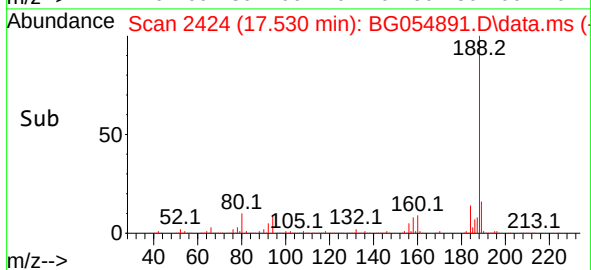
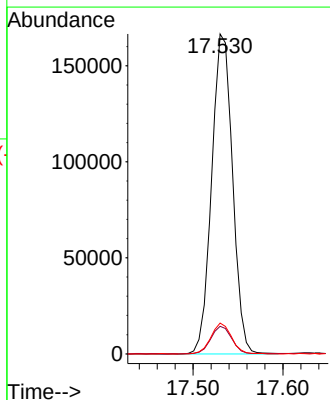
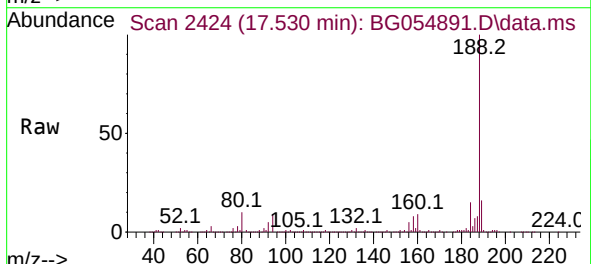
Manual Integrations
APPROVED

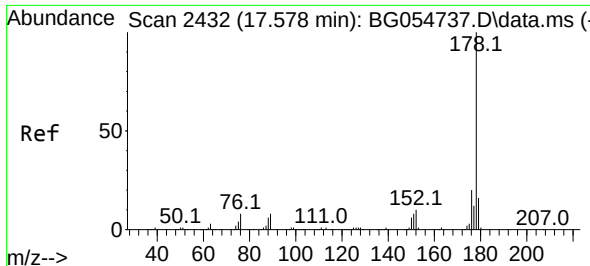
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.530 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

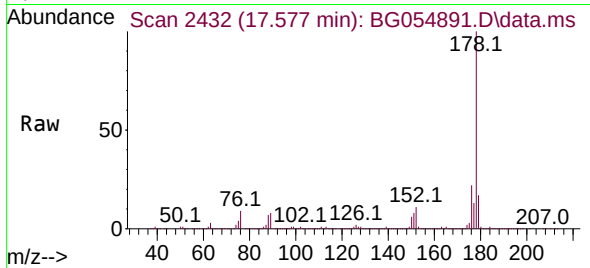
Tgt Ion:188 Resp: 269012
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.6 7.9 11.9





#71
Phenanthrene
Concen: 70.724 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

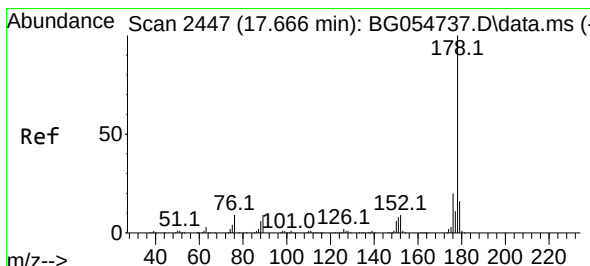
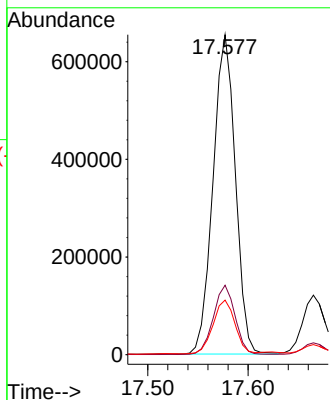
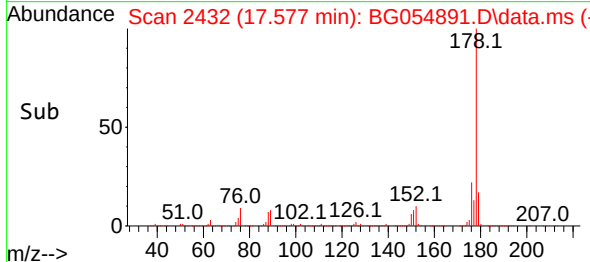
Instrument :
BNA_G
ClientSampleId :
600540642



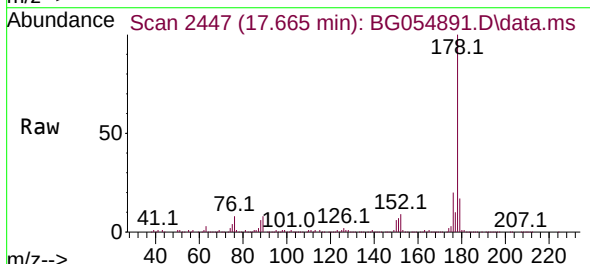
Tgt Ion:178 Resp: 1013514
Ion Ratio Lower Upper
178 100
176 21.7 16.6 25.0
179 17.0 12.8 19.2

Manual Integrations
APPROVED

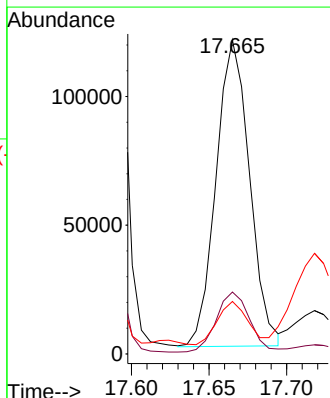
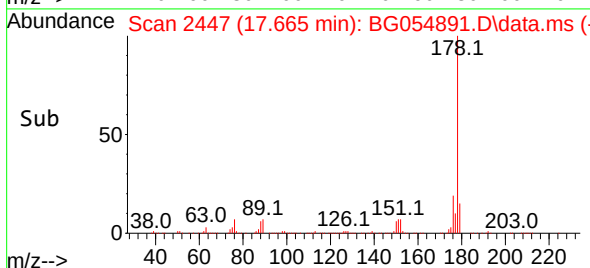
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

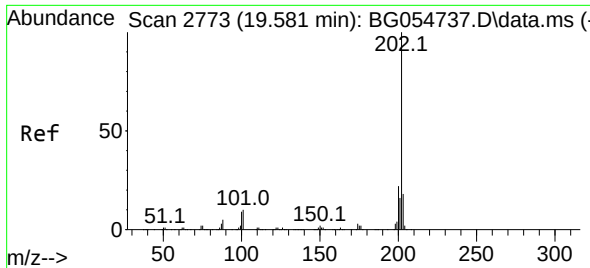


#72
Anthracene
Concen: 12.845 ng
RT: 17.665 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



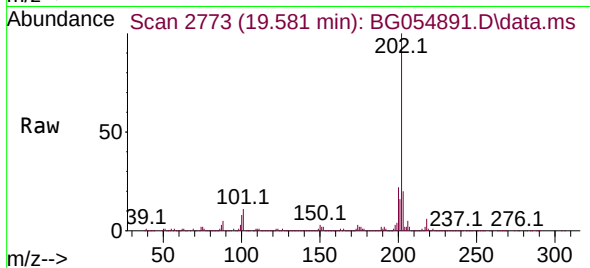
Tgt Ion:178 Resp: 178961
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 16.7 12.9 19.3





#75
Fluoranthene
Concen: 38.015 ng
RT: 19.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

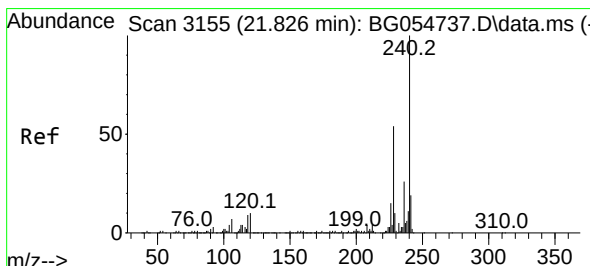
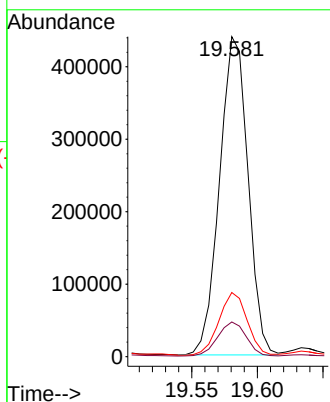
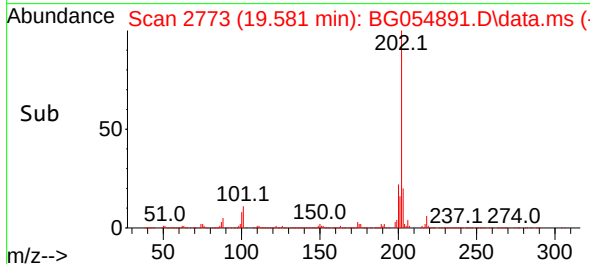
Instrument :
BNA_G
ClientSampleId :
600540642



Tgt Ion:202 Resp: 662709
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 20.0 0.0 38.6

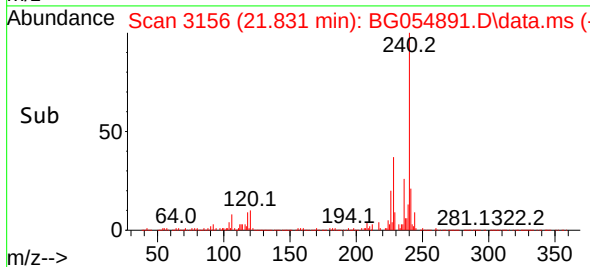
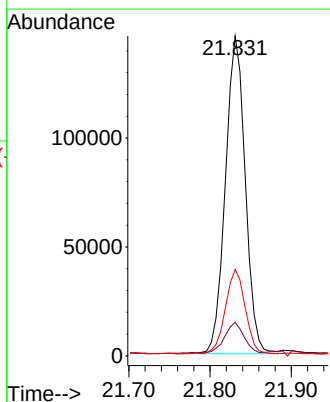
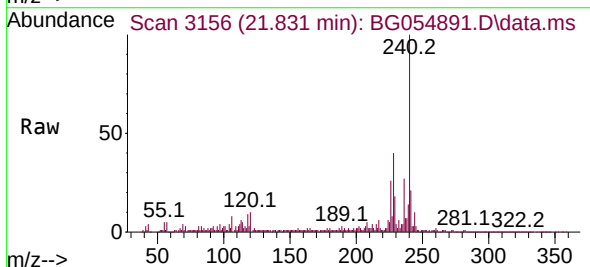
Manual Integrations
APPROVED

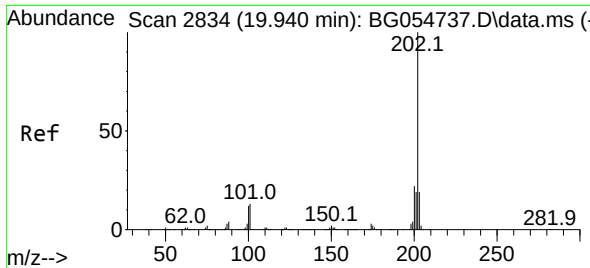
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.831 min Scan# 3156
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

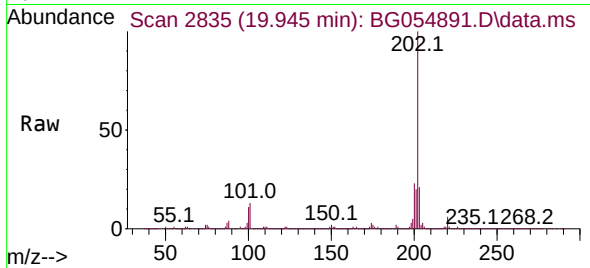
Tgt Ion:240 Resp: 247989
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.4
236 27.0 21.2 31.8





#78
Pyrene
Concen: 57.904 ng
RT: 19.945 min Scan# 2835
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

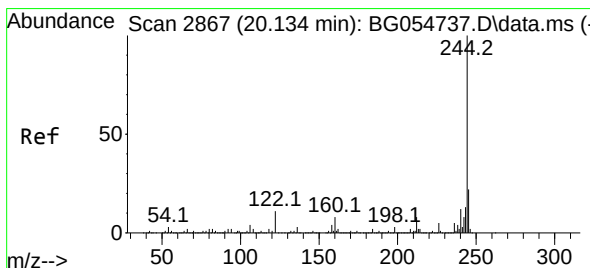
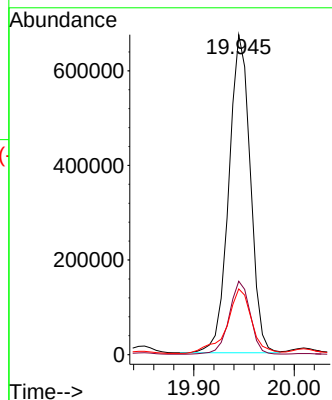
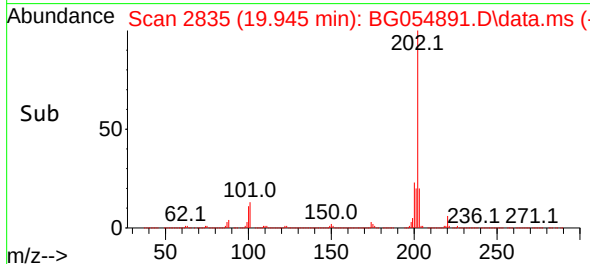
Instrument :
BNA_G
ClientSampleId :
600540642



Tgt Ion:202 Resp: 1001282
Ion Ratio Lower Upper
202 100
200 22.9 17.8 26.6
203 20.5 14.6 21.8

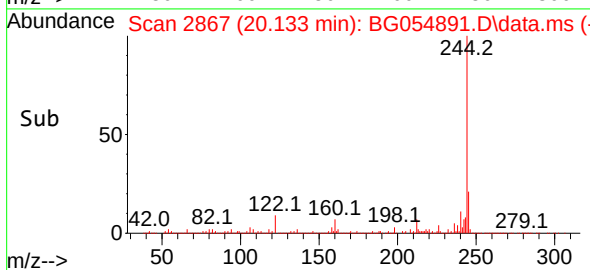
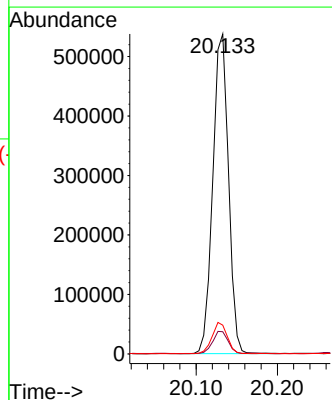
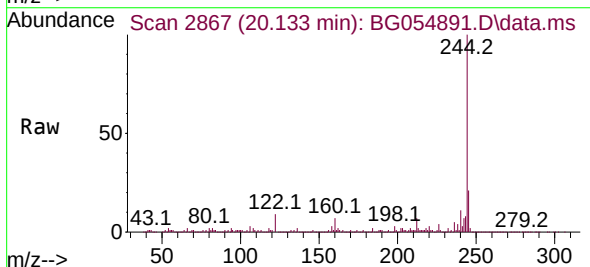
Manual Integrations
APPROVED

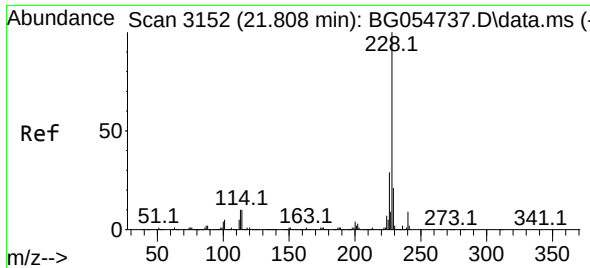
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#79
Terphenyl-d14
Concen: 57.711 ng
RT: 20.133 min Scan# 2867
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

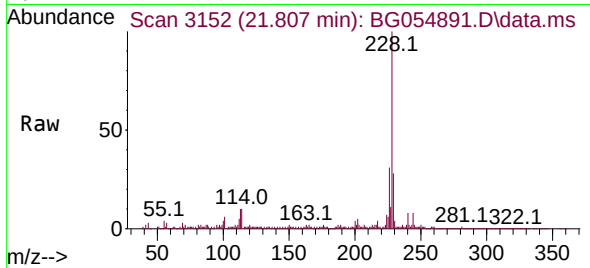
Tgt Ion:244 Resp: 722305
Ion Ratio Lower Upper
244 100
212 6.9 6.2 9.2
122 9.0 9.0 13.6





#81
Benzo(a)anthracene
Concen: 22.235 ng
RT: 21.807 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

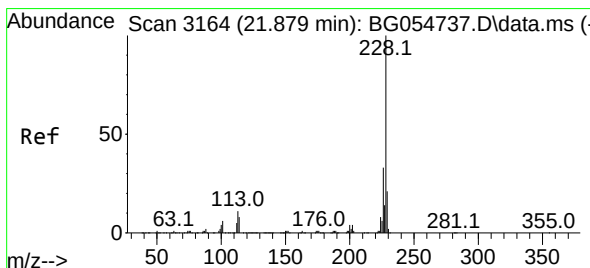
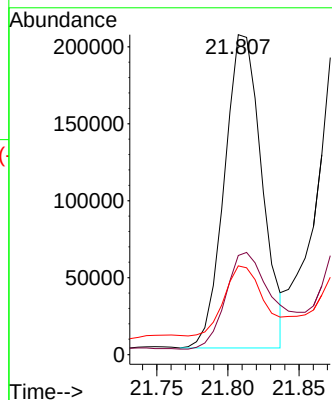
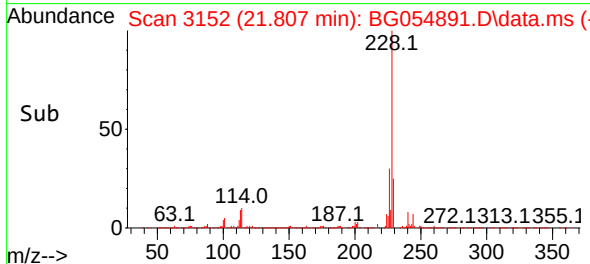
Instrument :
BNA_G
ClientSampleId :
600540642



Tgt Ion:228 Resp: 373862
Ion Ratio Lower Upper
228 100
226 31.0 23.4 35.2
229 27.7 16.5 24.7

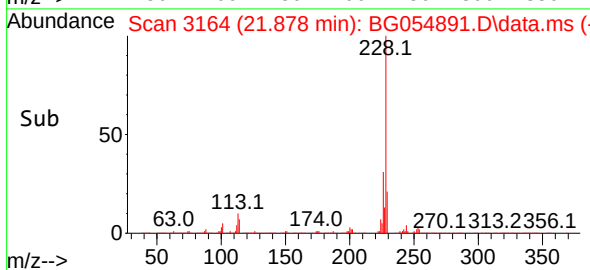
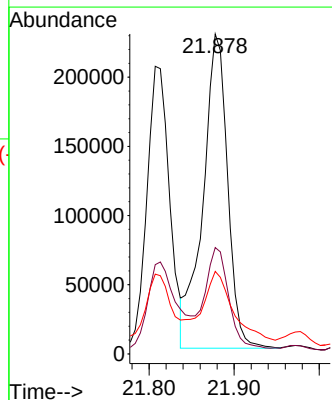
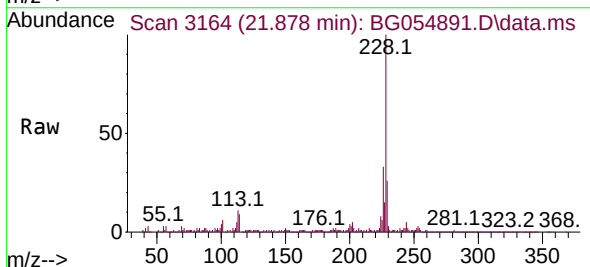
Manual Integrations
APPROVED

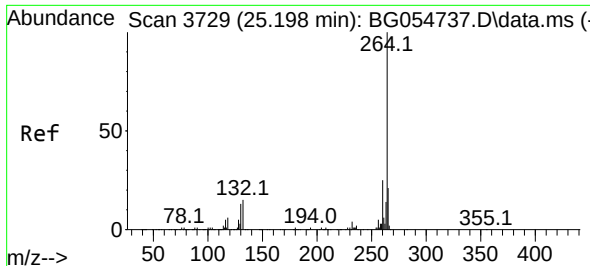
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#83
Chrysene
Concen: 28.484 ng m
RT: 21.878 min Scan# 3164
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

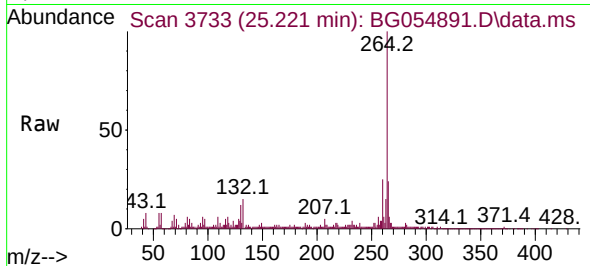
Tgt Ion:228 Resp: 457935
Ion Ratio Lower Upper
228 100
226 33.2 25.5 38.3
229 25.8 16.8 25.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.221 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

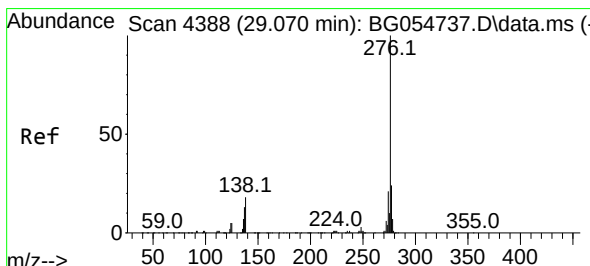
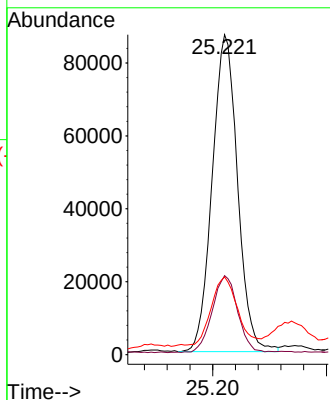
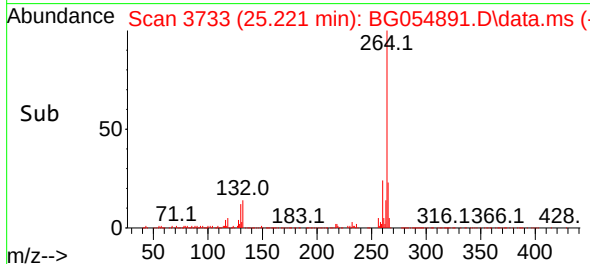
Instrument :
BNA_G
ClientSampleId :
600540642



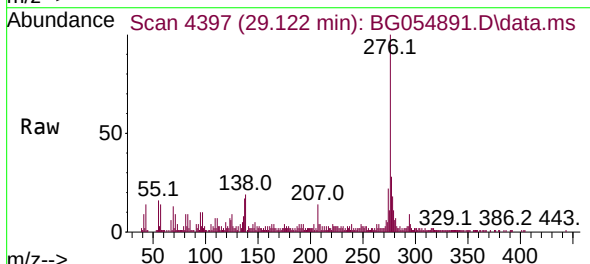
Tgt Ion:264 Resp: 268751
Ion Ratio Lower Upper
264 100
260 24.7 19.9 29.9
265 24.3 16.9 25.3

Manual Integrations
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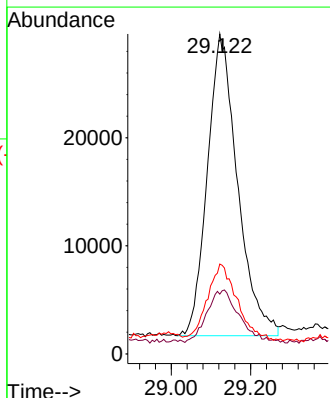
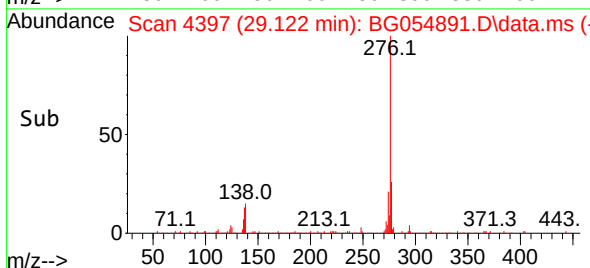
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

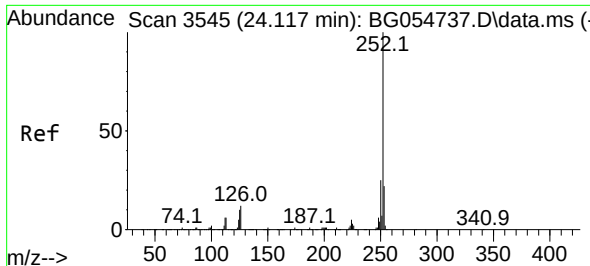


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.232 ng
RT: 29.122 min Scan# 4397
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



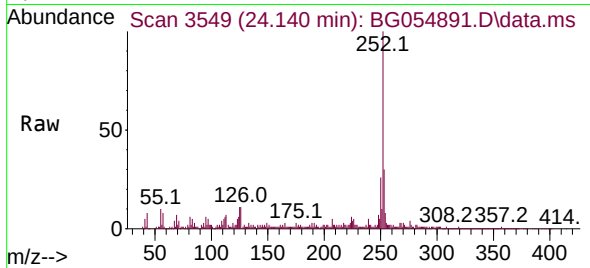
Tgt Ion:276 Resp: 147551
Ion Ratio Lower Upper
276 100
138 18.2 12.0 18.0#
277 24.9 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 18.777 ng m
RT: 24.140 min Scan# 3549
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

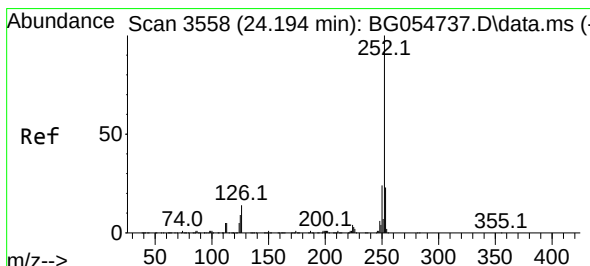
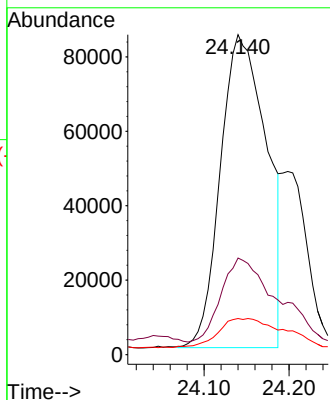
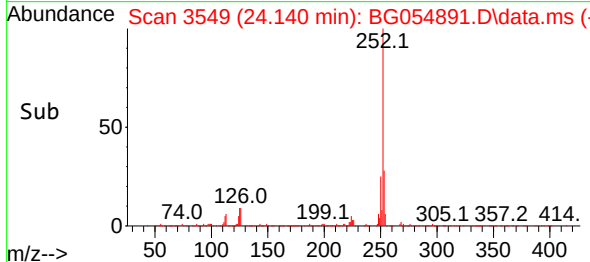
Instrument :
BNA_G
ClientSampleId :
600540642



Tgt Ion:252 Resp: 316558
Ion Ratio Lower Upper
252 100
253 30.2 18.0 27.0#
125 11.3 8.1 12.1

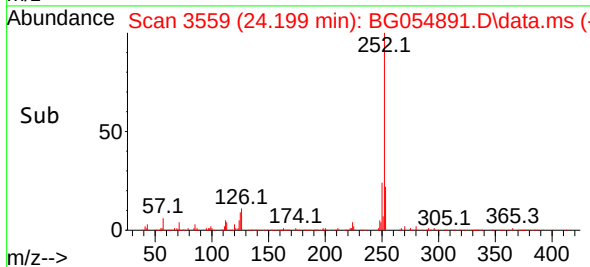
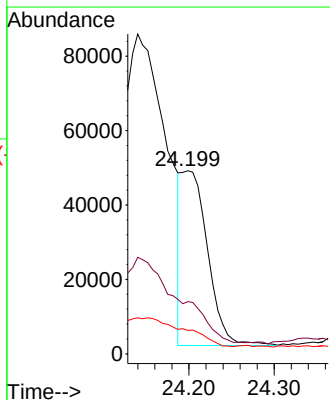
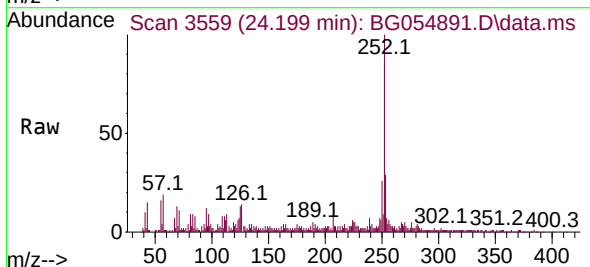
Manual Integrations
APPROVED

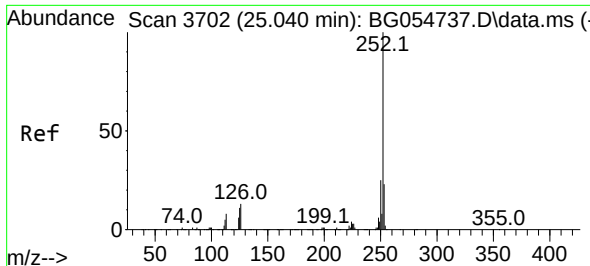
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022



#89
Benzo(k)fluoranthene
Concen: 5.921 ng m
RT: 24.199 min Scan# 3559
Delta R.T. -0.011 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

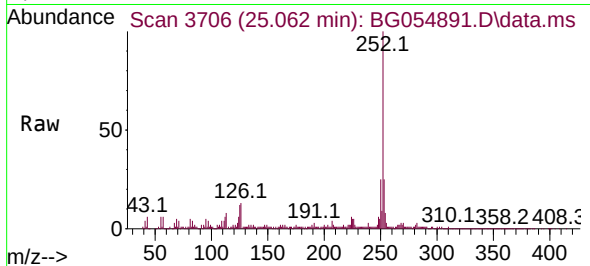
Tgt Ion:252 Resp: 100456
Ion Ratio Lower Upper
252 100
253 28.5 17.8 26.8#
125 12.9 8.2 12.4#





#90
Benzo(a)pyrene
Concen: 21.645 ng
RT: 25.062 min Scan# 311765
Delta R.T. 0.000 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

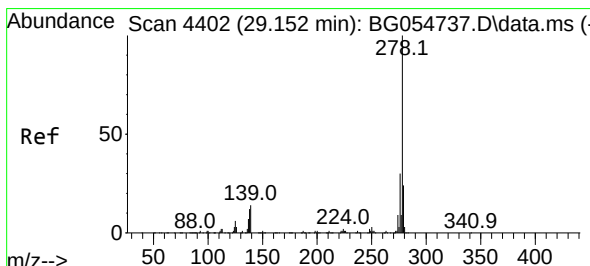
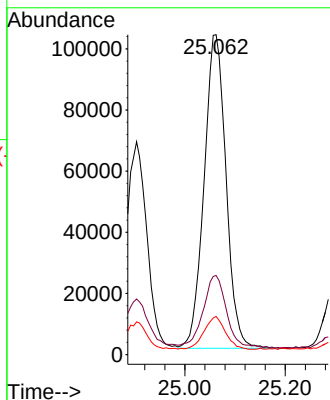
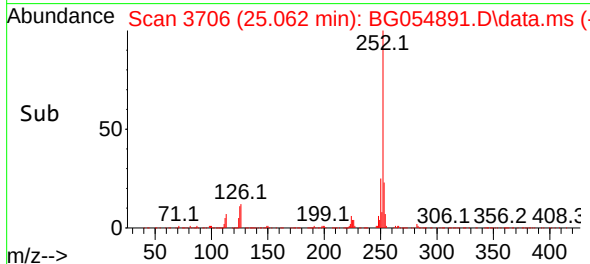
Instrument :
BNA_G
ClientSampleId :
600540642



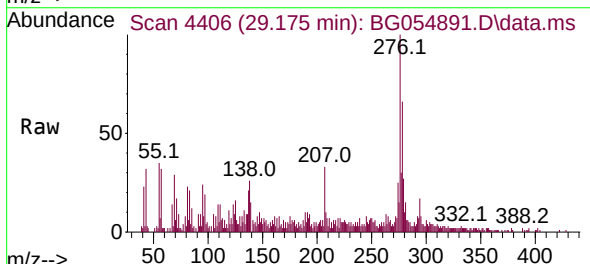
Tgt Ion:252 Resp: 311765
Ion Ratio Lower Upper
252 100
253 24.7 18.3 27.5
125 11.9 8.8 13.2

Manual Integrations
APPROVED

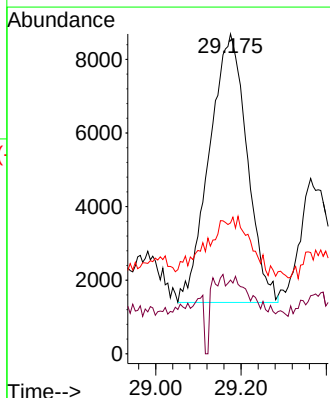
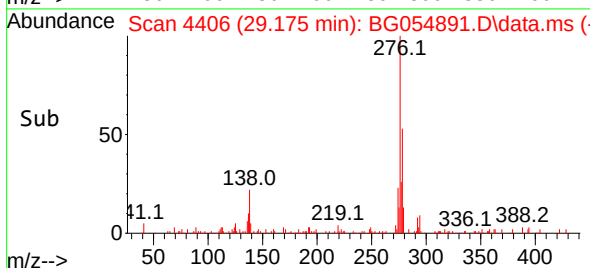
Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

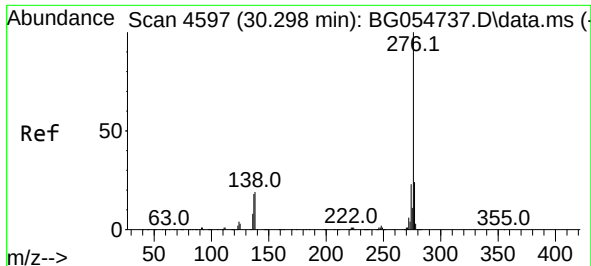


#91
Dibenzo(a,h)anthracene
Concen: 2.688 ng
RT: 29.175 min Scan# 4406
Delta R.T. -0.029 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01



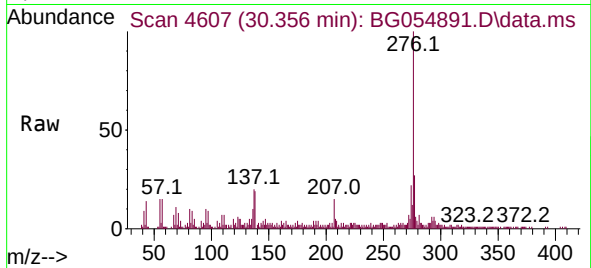
Tgt Ion:278 Resp: 44680
Ion Ratio Lower Upper
278 100
139 23.1 11.4 17.2#
279 40.9 19.3 28.9#





#92
Benzo(g,h,i)perylene
Concen: 10.051 ng
RT: 30.356 min Scan# 4607
Delta R.T. -0.006 min
Lab File: BG054891.D
Acq: 8 Sep 2022 20:01

Instrument :
BNA_G
ClientSampleId :
600540642



Tgt Ion:276 Resp: 16877
Ion Ratio Lower Upper
276 100
277 26.5 19.4 29.0
138 19.3 16.6 25.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 09/09/2022
Supervised By :Jagrut Upadhyay 09/09/2022

