

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
 Data File : BG056686.D
 Acq On : 21 Feb 2023 16:09
 Operator : CG/JU
 Sample : 01552-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-05-0-2.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/22/2023
 Supervised By : Jagrut Upadhyay 02/22/2023

Quant Time: Feb 21 16:56:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 21 16:06:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.438	152	24782	20.000	ng	0.00
21) Naphthalene-d8	11.270	136	92761	20.000	ng	0.00
39) Acenaphthene-d10	15.036	164	59706	20.000	ng	0.00
64) Phenanthrene-d10	17.774	188	126878	20.000	ng	0.00
76) Chrysene-d12	22.092	240	108774	20.000	ng	# 0.00
86) Perylene-d12	25.641	264	112565	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.941	112	154308	101.311	ng	0.00
7) Phenol-d6	7.556	99	214256	95.231	ng	0.00
23) Nitrobenzene-d5	9.607	82	145742	80.445	ng	0.00
42) 2,4,6-Tribromophenol	16.511	330	80639	98.647	ng	0.00
45) 2-Fluorobiphenyl	13.667	172	301669	67.657	ng	0.00
79) Terphenyl-d14	20.341	244	444013	66.786	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	15.095	154	8404	2.343	ng	97
58) Fluorene	16.070	166	11351	2.369	ng	93
71) Phenanthrene	17.815	178	230020	33.323	ng	99
72) Anthracene	17.903	178	48828	6.913	ng	98
73) Carbazole	18.162	167	18434	3.028	ng	96
75) Fluoranthene	19.801	202	429521	47.158	ng	99
78) Pyrene	20.159	202	430376	52.390	ng	99
81) Benzo(a)anthracene	22.069	228	236243	29.205	ng	97
83) Chrysene	22.139	228	225415	29.808	ng	96
84) Bis(2-ethylhexyl)phtha...	21.934	149	38133	10.316	ng	99
87) Indeno(1,2,3-cd)pyrene	29.742	276	105714	11.992	ng	# 92
88) Benzo(b)fluoranthene	24.513	252	286341	38.937	ng	100
89) Benzo(k)fluoranthene	24.572	252	92812m	12.834	ng	
90) Benzo(a)pyrene	25.471	252	211853	29.970	ng	100
91) Dibenzo(a,h)anthracene	29.783	278	27906m	3.822	ng	
92) Benzo(g,h,i)perylene	31.023	276	99819m	13.991	ng	

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

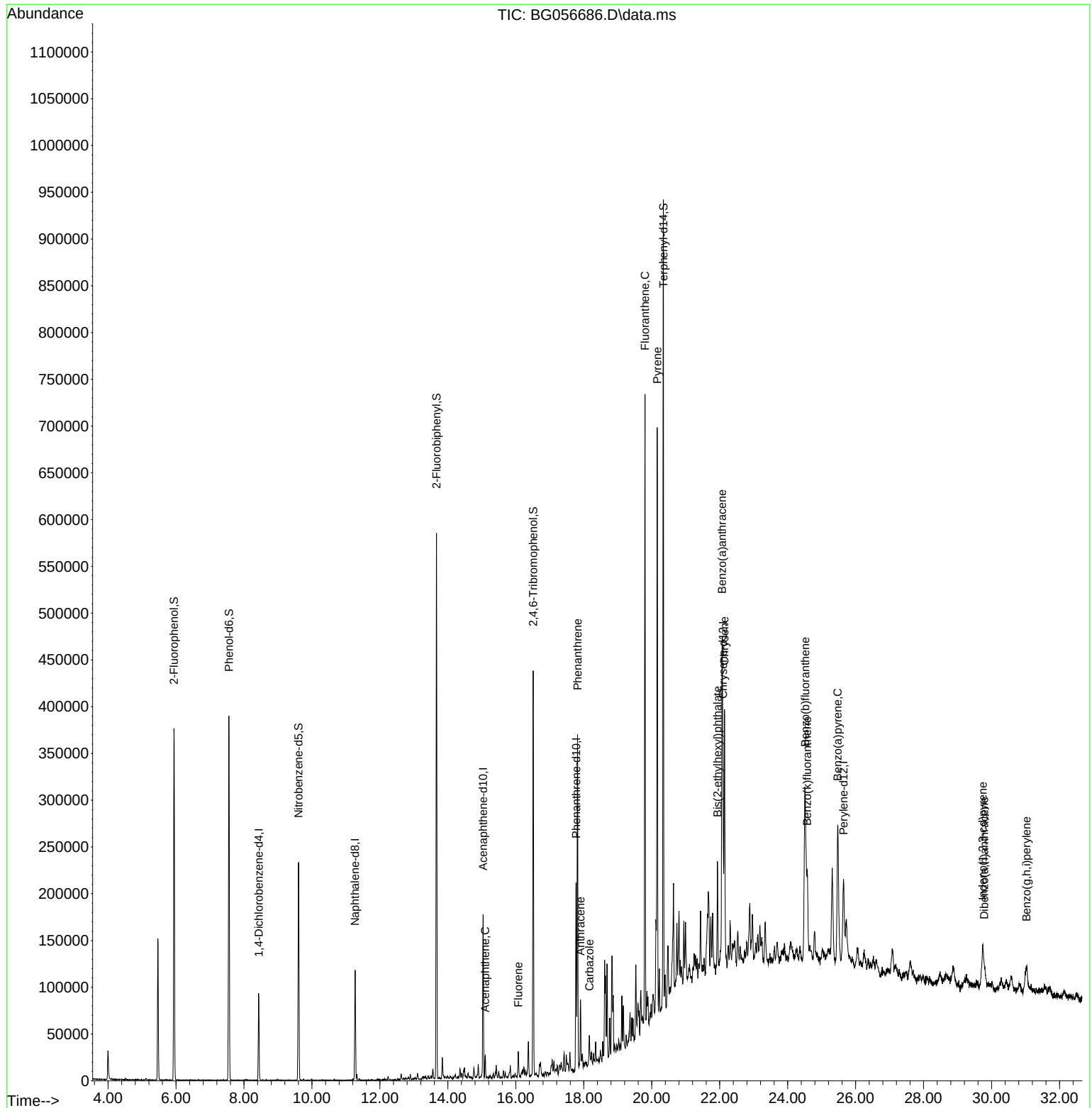
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056686.D
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Operator : CG/JU
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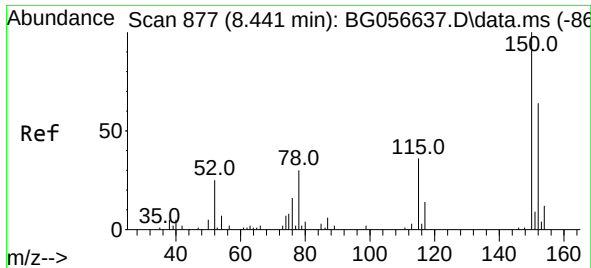
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
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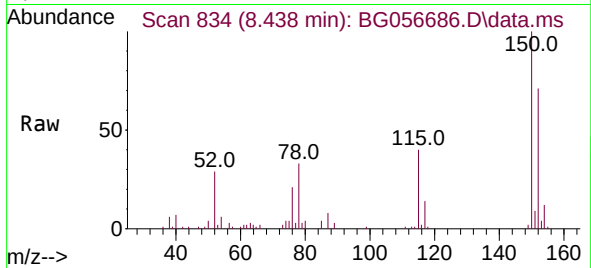
Reviewed By : Christian Giraldo 02/22/2023
Supervised By : Jagrut Upadhyay 02/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.438 min Scan# 84
Delta R.T. 0.009 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

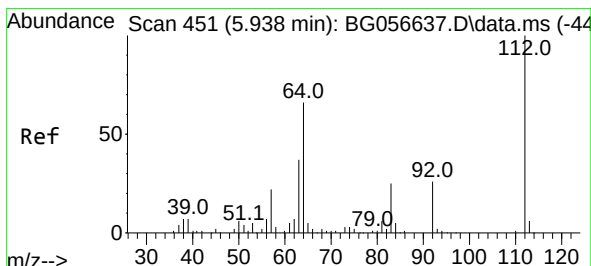
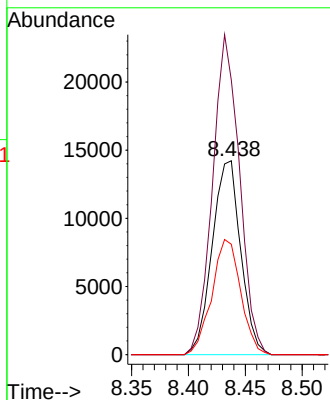
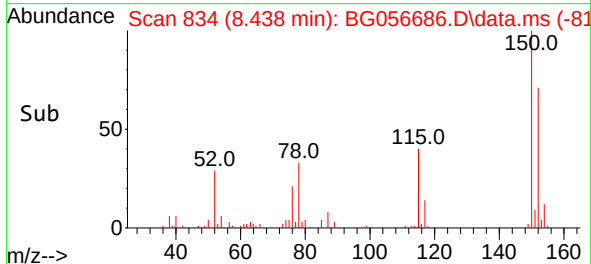
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BNA_G
ClientSampleId :
SB-05-0-2.0



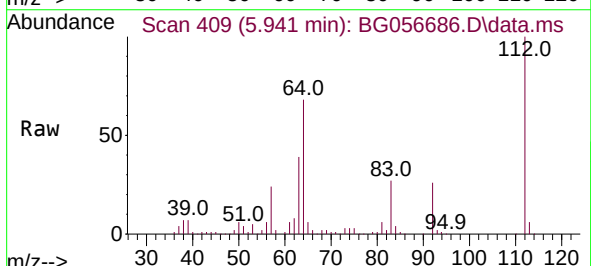
Tgt Ion:152 Resp: 24782
Ion Ratio Lower Upper
152 100
150 141.6 124.8 187.2
115 56.9 44.7 67.1

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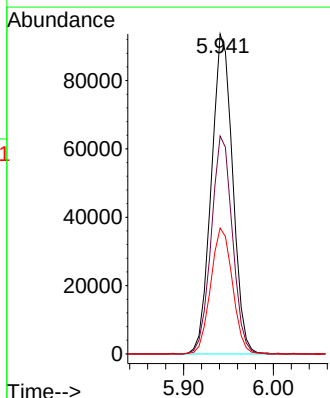
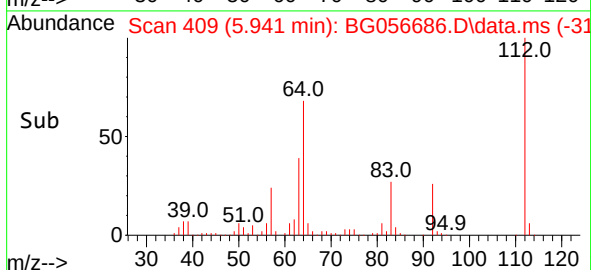
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

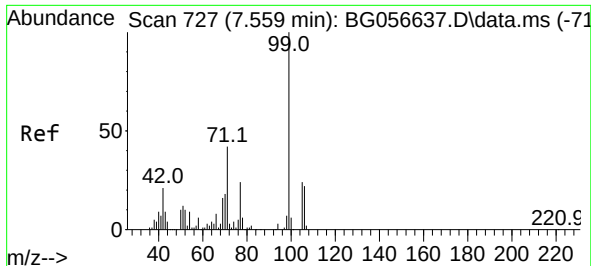


#5
2-Fluorophenol
Concen: 101.311 ng
RT: 5.941 min Scan# 409
Delta R.T. 0.009 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09



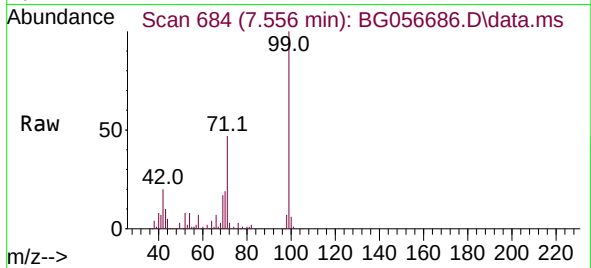
Tgt Ion:112 Resp: 154308
Ion Ratio Lower Upper
112 100
64 68.1 52.6 78.8
63 39.3 29.8 44.6





#7
Phenol-d6
Concen: 95.231 ng
RT: 7.556 min Scan# 684
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

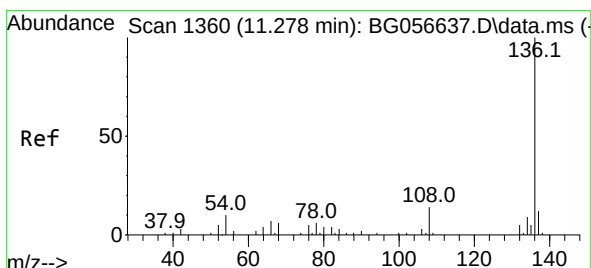
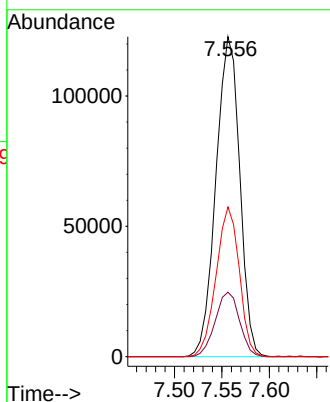
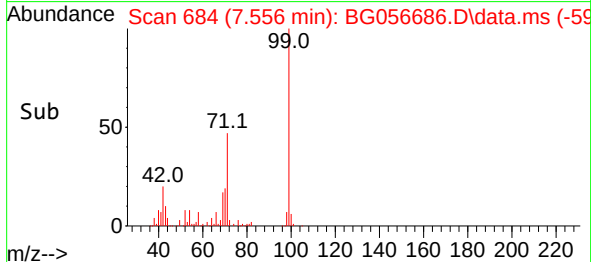
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



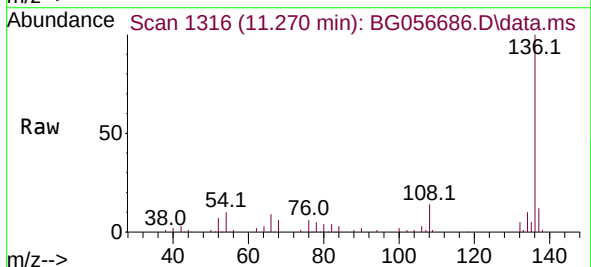
Tgt Ion: 99 Resp: 214256
Ion Ratio Lower Upper
99 100
42 20.1 16.8 25.2
71 46.8 33.9 50.9

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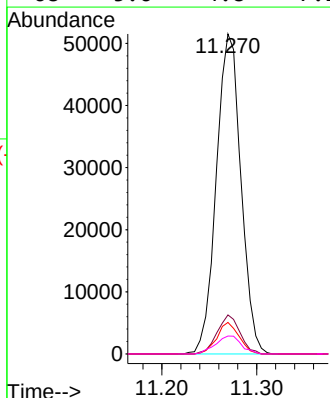
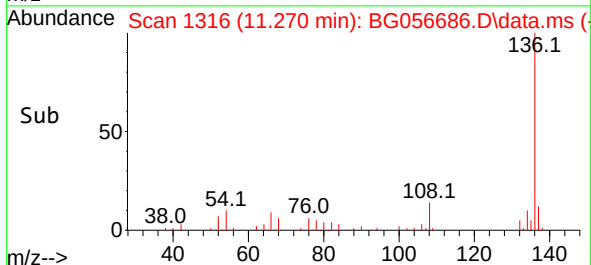
Reviewed By :Christian Giraldo 02/22/2023
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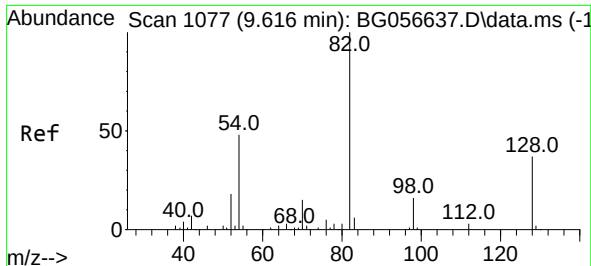


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.270 min Scan# 1316
Delta R.T. -0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09



Tgt Ion:136 Resp: 92761
Ion Ratio Lower Upper
136 100
137 12.2 9.7 14.5
54 9.8 7.7 11.5
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 80.445 ng

RT: 9.607 min Scan# 1077

Delta R.T. 0.003 min

Lab File: BG056686.D

Acq: 21 Feb 2023 16:09

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

Tgt Ion: 82 Resp: 14574

Ion Ratio Lower Upper

82 100

128 33.5 29.4 44.2

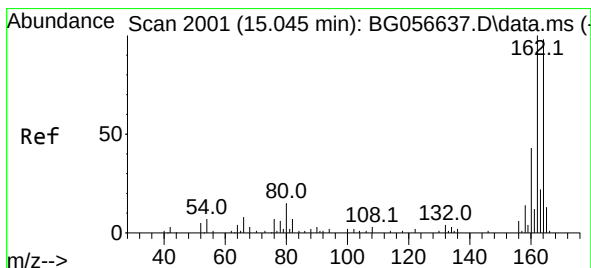
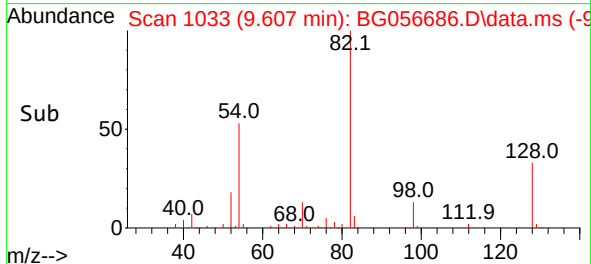
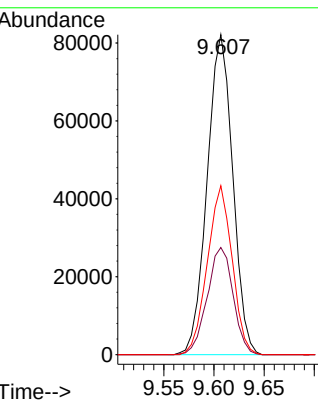
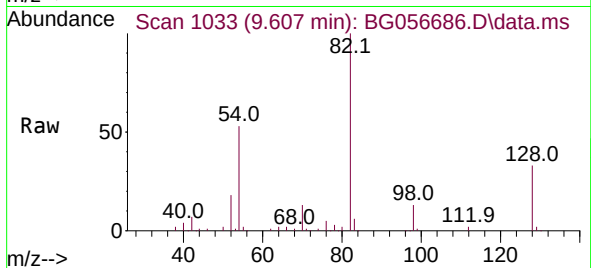
54 52.8 37.8 56.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.036 min Scan# 1957

Delta R.T. 0.003 min

Lab File: BG056686.D

Acq: 21 Feb 2023 16:09

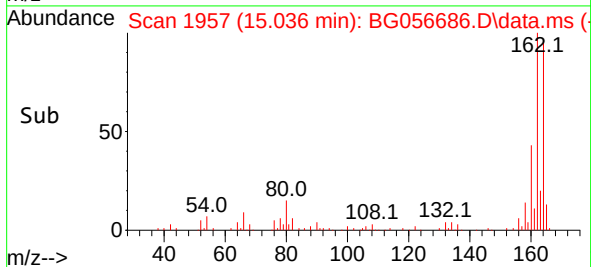
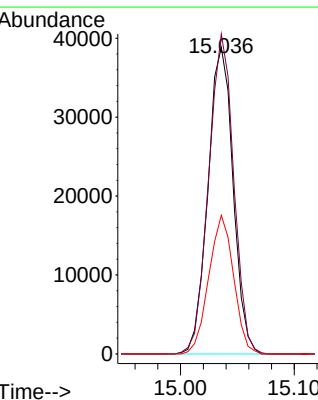
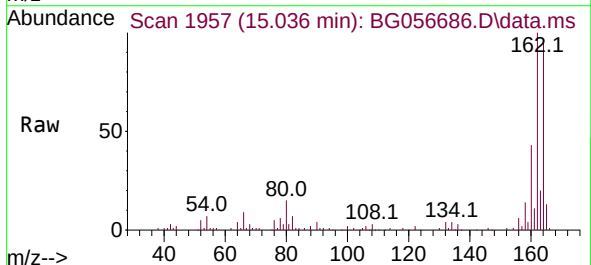
Tgt Ion:164 Resp: 59706

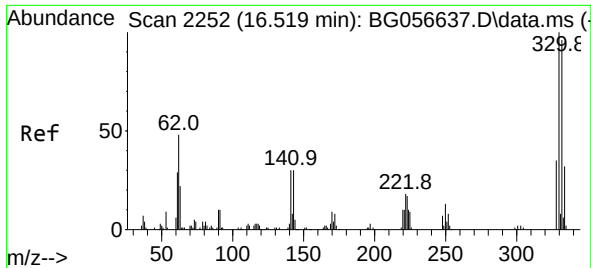
Ion Ratio Lower Upper

164 100

162 104.4 81.3 121.9

160 45.2 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 98.647 ng
RT: 16.511 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

Instrument :

BNA_G

ClientSampleId :

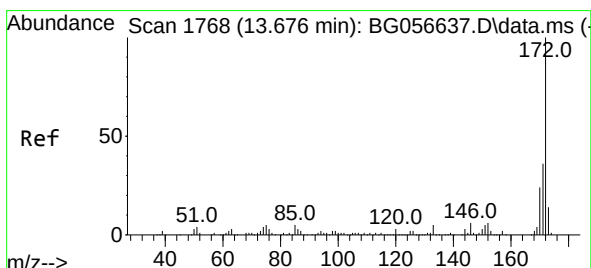
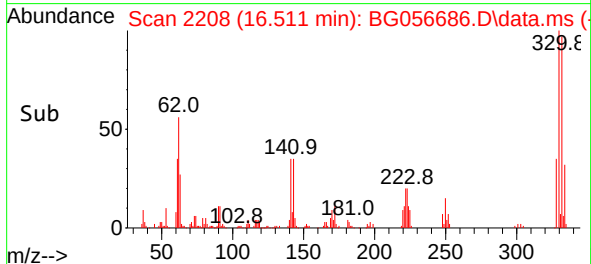
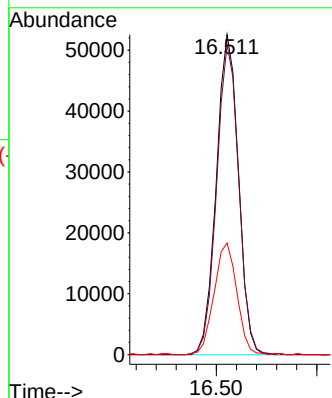
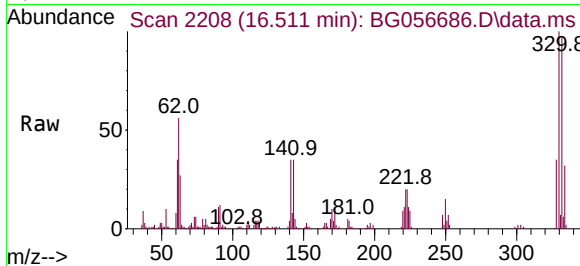
SB-05-0-2.0

Tgt Ion:330 Resp: 80639
Ion Ratio Lower Upper
330 100
332 96.4 75.7 113.5
141 35.8 24.6 37.0

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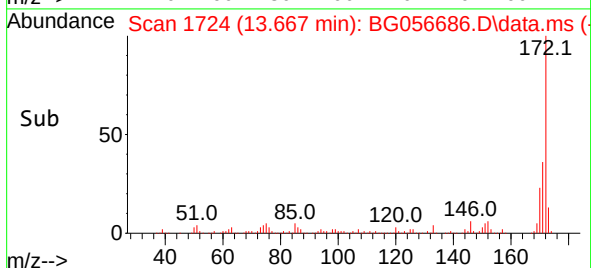
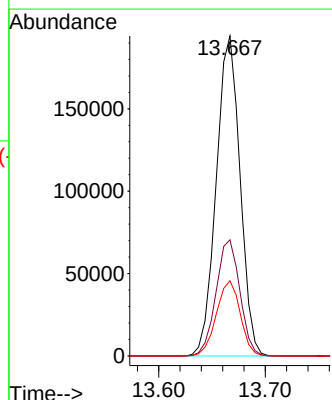
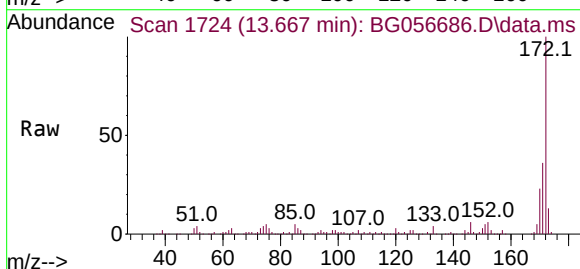
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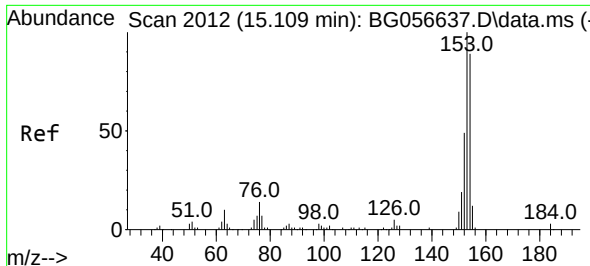
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#45
2-Fluorobiphenyl
Concen: 67.657 ng
RT: 13.667 min Scan# 1724
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

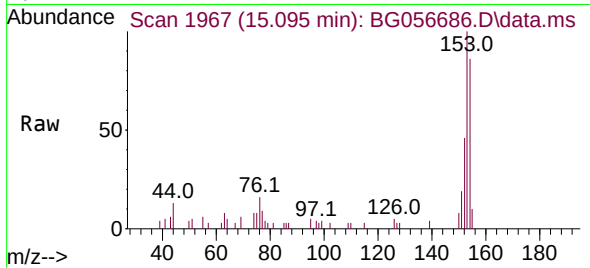
Tgt Ion:172 Resp: 301669
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 23.5 19.4 29.0





#52
Acenaphthene
Concen: 2.343 ng
RT: 15.095 min Scan# 1967
Delta R.T. -0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

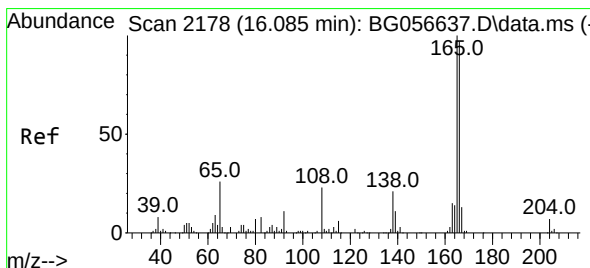
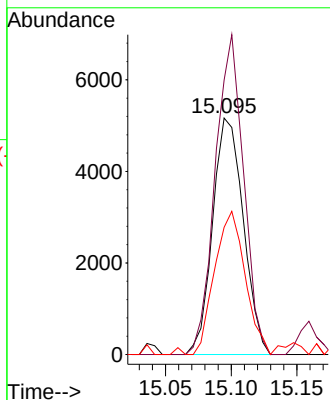
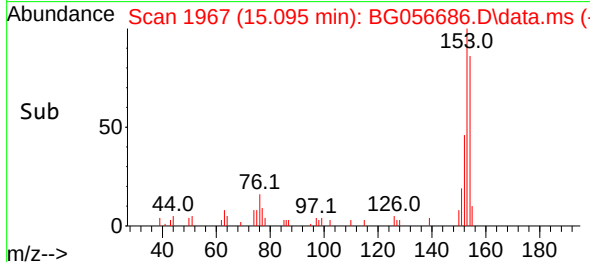
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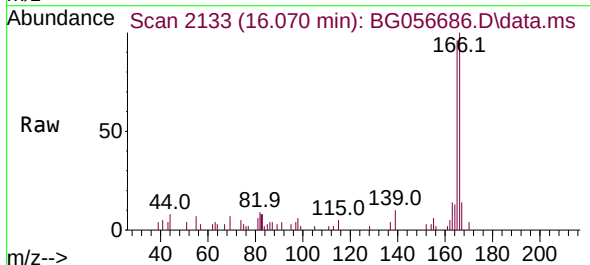
Tgt Ion:154 Resp: 8404
Ion Ratio Lower Upper
154 100
153 116.0 89.5 134.3
152 53.8 43.7 65.5

Manual Integrations
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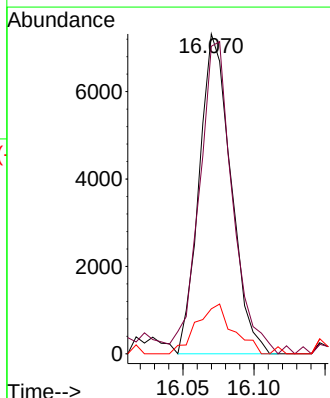
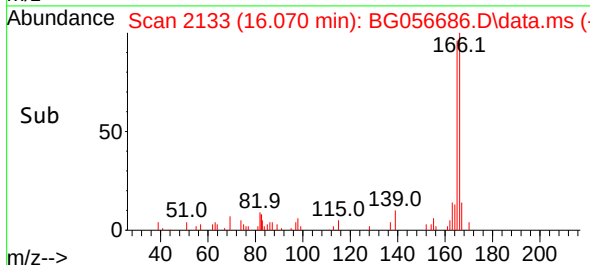
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

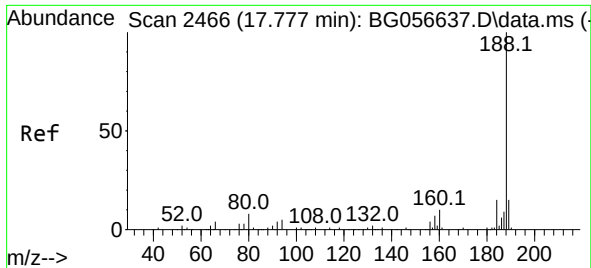


#58
Fluorene
Concen: 2.369 ng
RT: 16.070 min Scan# 2133
Delta R.T. -0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09



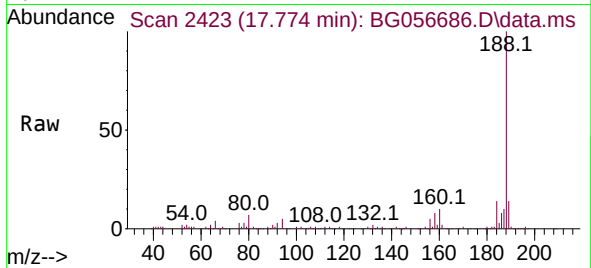
Tgt Ion:166 Resp: 11351
Ion Ratio Lower Upper
166 100
165 96.1 82.9 124.3
167 14.1 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.774 min Scan# 2466
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

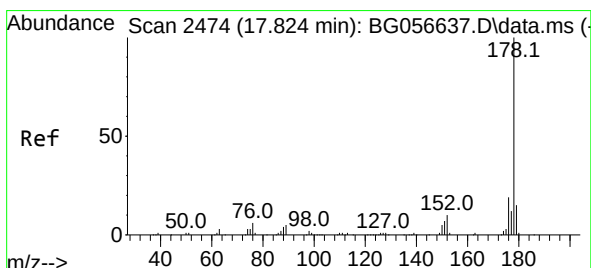
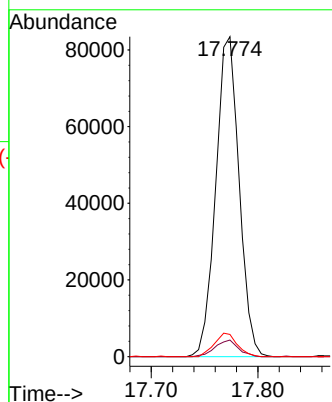
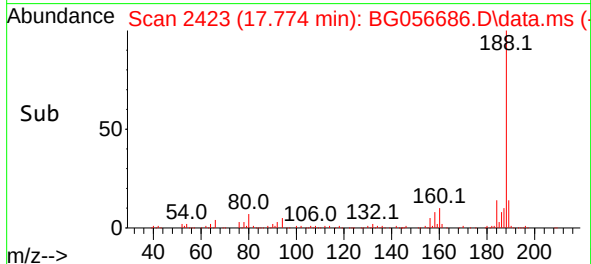
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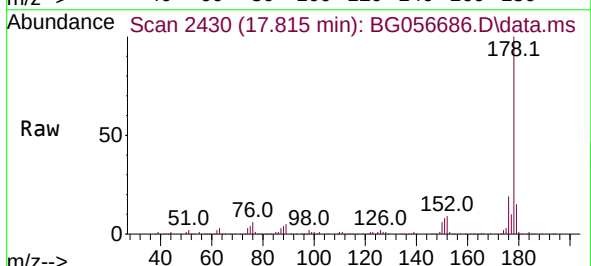
Tgt Ion:188 Resp: 126878
Ion Ratio Lower Upper
188 100
94 5.2 4.0 6.0
80 6.9 6.3 9.5

Manual Integrations
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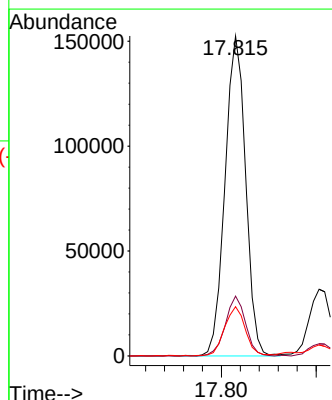
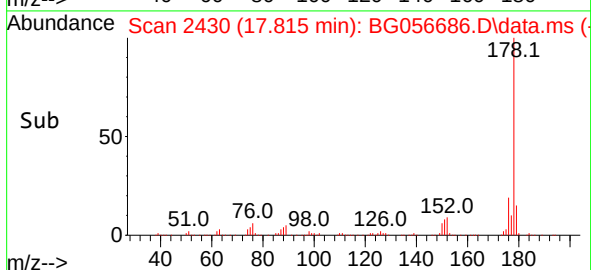
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

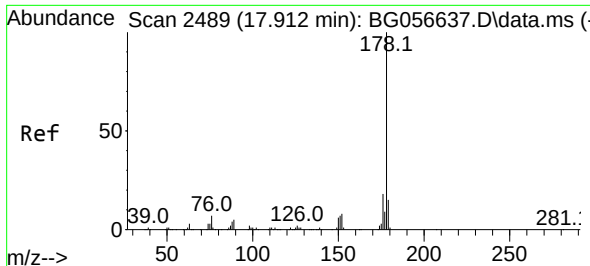


#71
Phenanthrene
Concen: 33.323 ng
RT: 17.815 min Scan# 2430
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09



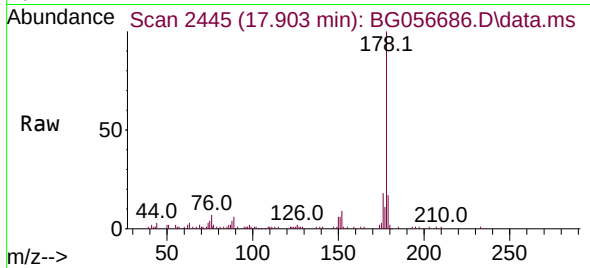
Tgt Ion:178 Resp: 230020
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.4 12.2 18.4





#72
 Anthracene
 Concen: 6.913 ng
 RT: 17.903 min Scan# 2489
 Delta R.T. -0.003 min
 Lab File: BG056686.D
 Acq: 21 Feb 2023 16:09

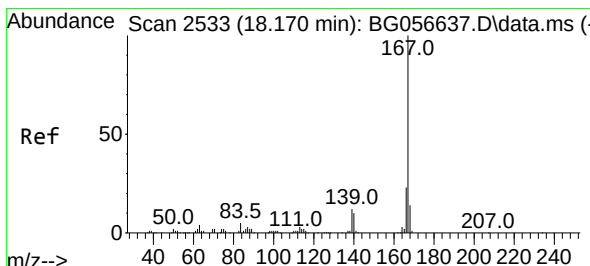
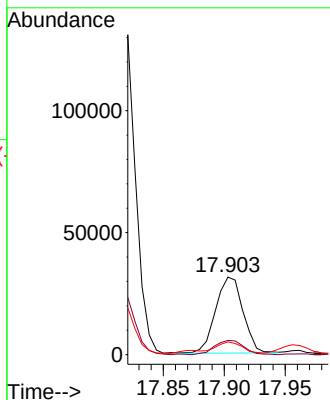
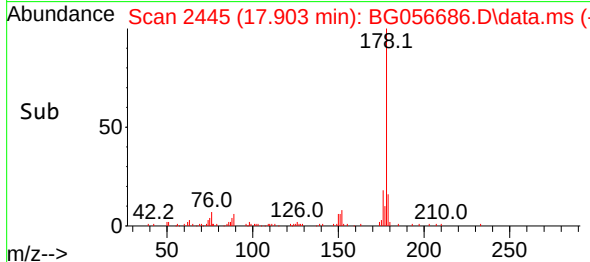
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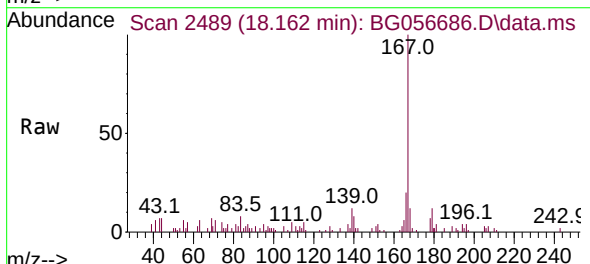
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 Ion Ratio Lower Upper
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 176 18.3 14.3 21.5
 179 16.5 12.2 18.4

Manual Integrations
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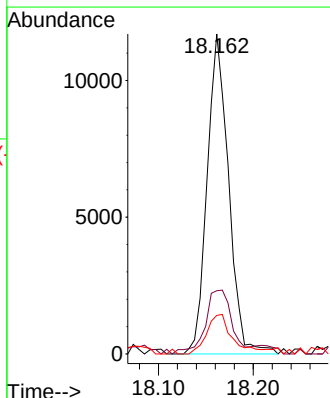
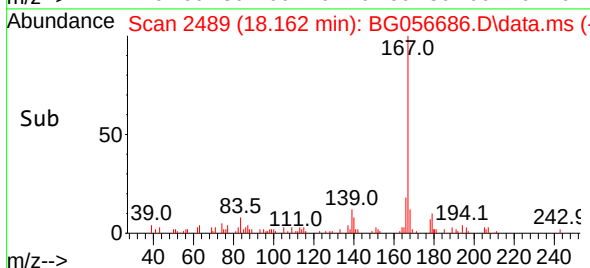
Reviewed By :Christian Giraldo 02/22/2023
 Supervised By :Jagrut Upadhyay 02/22/2023

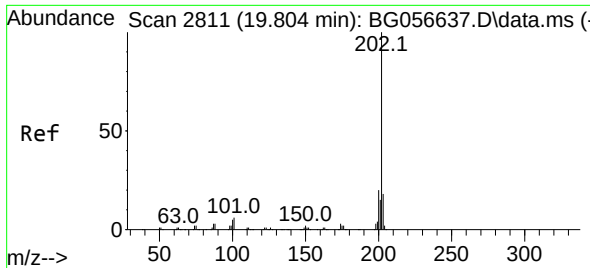


#73
 Carbazole
 Concen: 3.028 ng
 RT: 18.162 min Scan# 2489
 Delta R.T. -0.003 min
 Lab File: BG056686.D
 Acq: 21 Feb 2023 16:09



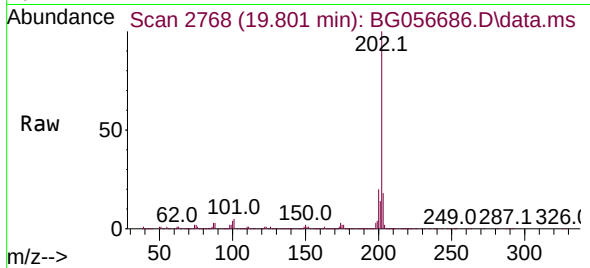
Tgt Ion:167 Resp: 18434
 Ion Ratio Lower Upper
 167 100
 166 19.7 18.1 27.1
 139 12.0 9.4 14.0





#75
Fluoranthene
Concen: 47.158 ng
RT: 19.801 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

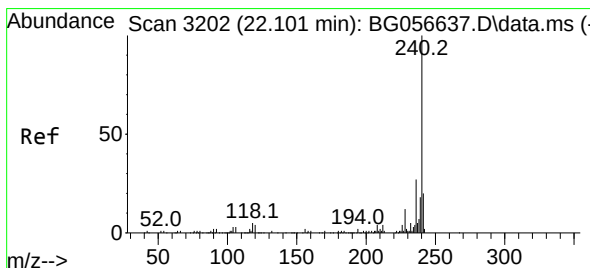
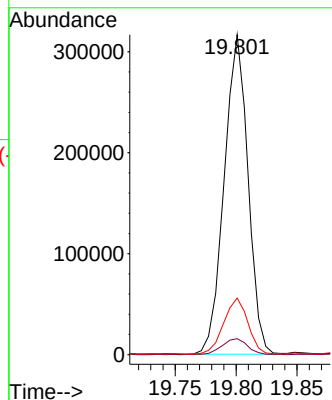
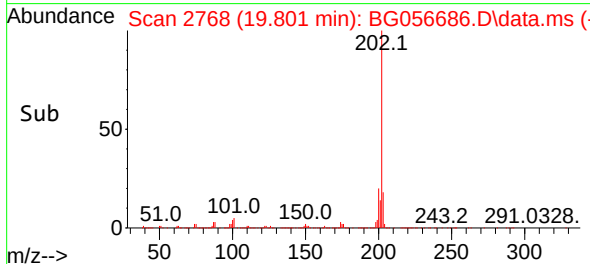
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion:202 Resp: 429521
Ion Ratio Lower Upper
202 100
101 5.0 0.0 25.8
203 17.7 0.0 37.6

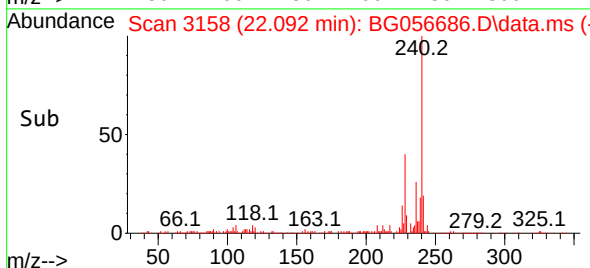
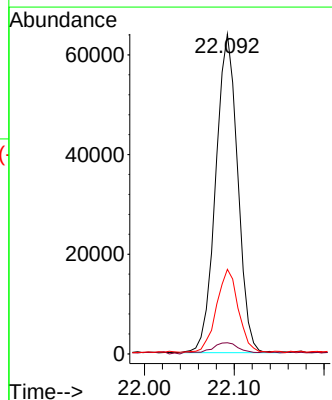
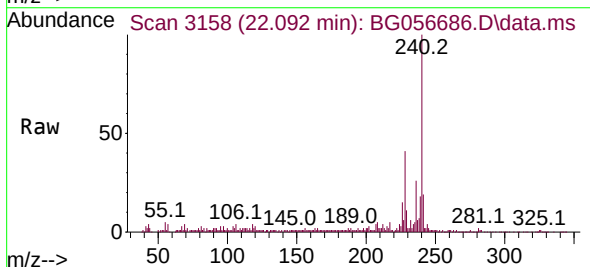
Manual Integrations
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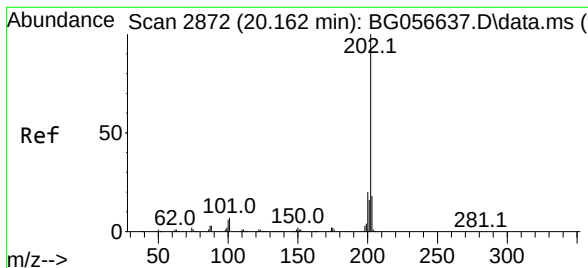
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.092 min Scan# 3158
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

Tgt Ion:240 Resp: 108774
Ion Ratio Lower Upper
240 100
120 3.5 3.5 5.3#
236 26.4 21.5 32.3





#78

Pyrene

Concen: 52.390 ng

RT: 20.159 min Scan# 2872

Delta R.T. 0.003 min

Lab File: BG056686.D

Acq: 21 Feb 2023 16:09

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

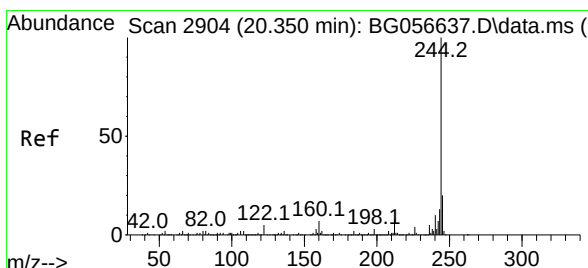
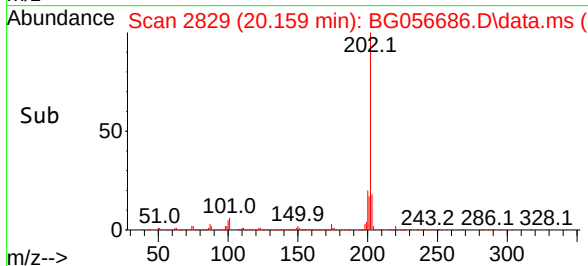
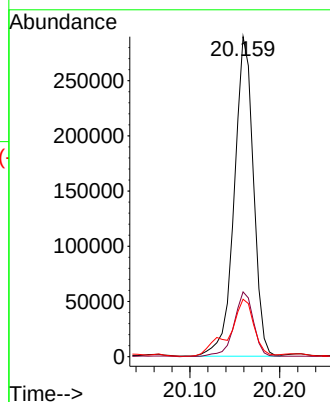
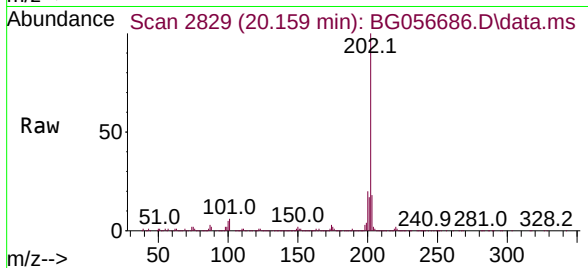
Tgt Ion:202 Resp: 430376

Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.8	23.8
203	17.9	14.2	21.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#79

Terphenyl-d14

Concen: 66.786 ng

RT: 20.341 min Scan# 2860

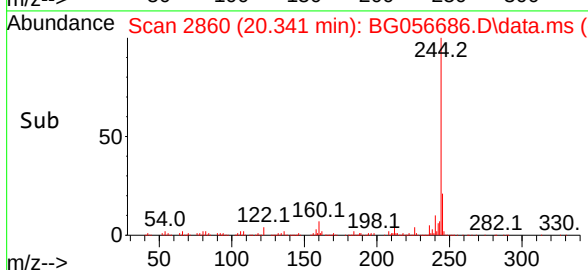
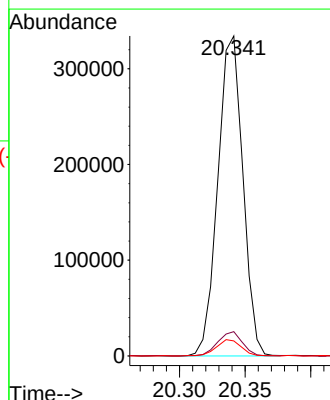
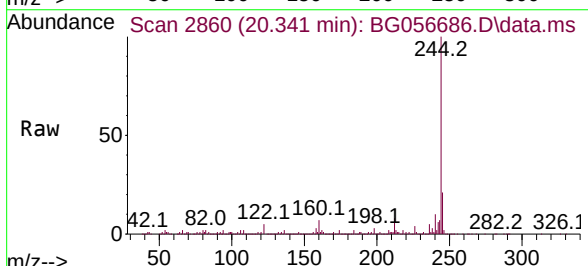
Delta R.T. 0.003 min

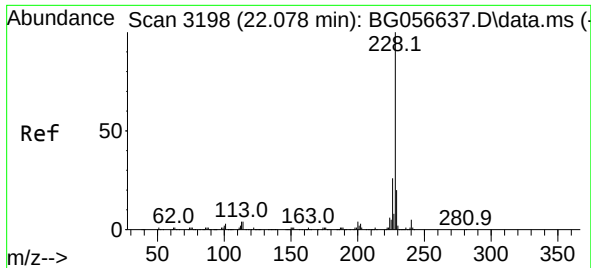
Lab File: BG056686.D

Acq: 21 Feb 2023 16:09

Tgt Ion:244 Resp: 444013

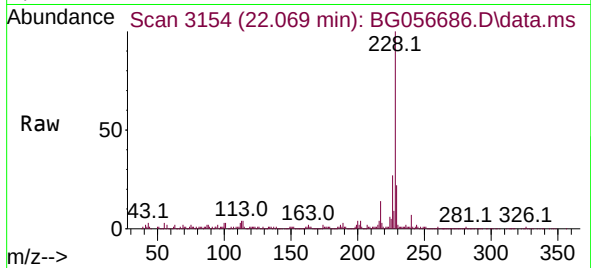
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	4.7	3.8	5.8





#81
Benzo(a)anthracene
Concen: 29.205 ng
RT: 22.069 min Scan# 3198
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

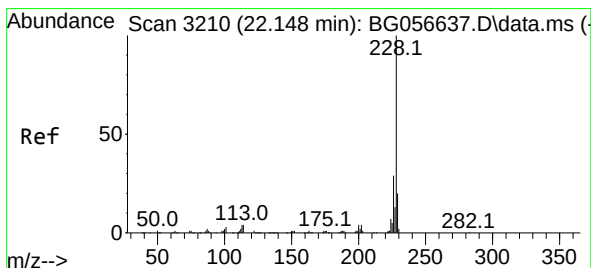
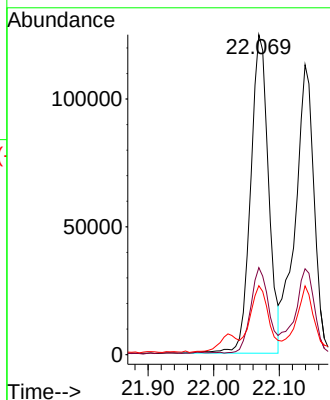
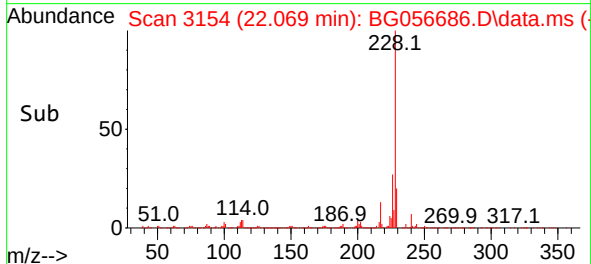
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



Tgt Ion:228 Resp: 236243
Ion Ratio Lower Upper
228 100
226 27.2 20.4 30.6
229 21.5 16.0 24.0

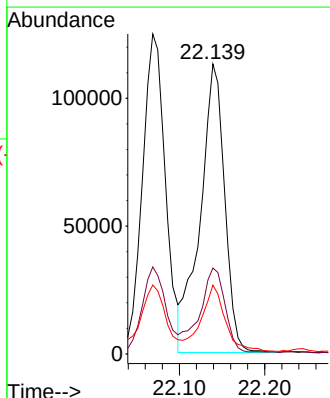
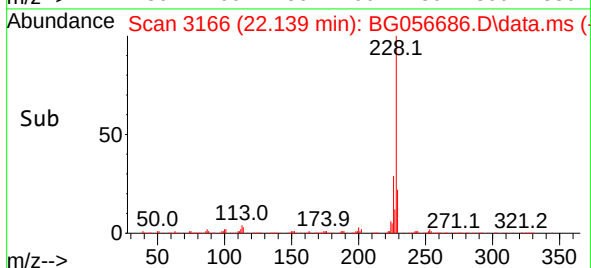
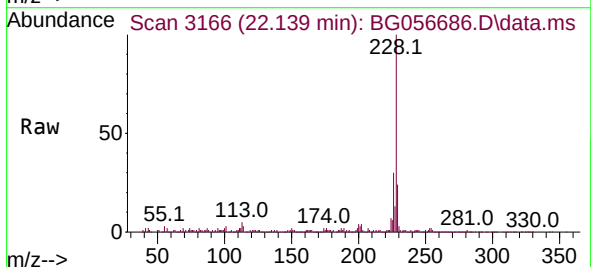
Manual Integrations
APPROVED

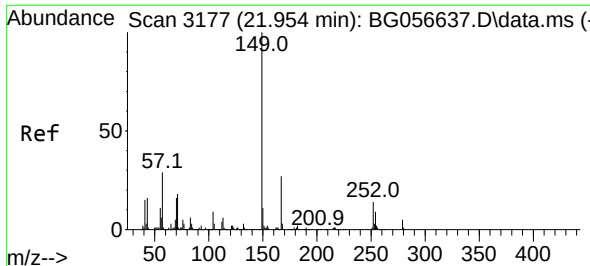
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#83
Chrysene
Concen: 29.808 ng
RT: 22.139 min Scan# 3166
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

Tgt Ion:228 Resp: 225415
Ion Ratio Lower Upper
228 100
226 29.6 23.0 34.6
229 23.7 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 10.316 ng
RT: 21.934 min Scan# 3177
Delta R.T. -0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

Instrument :

BNA_G

ClientSampleId :

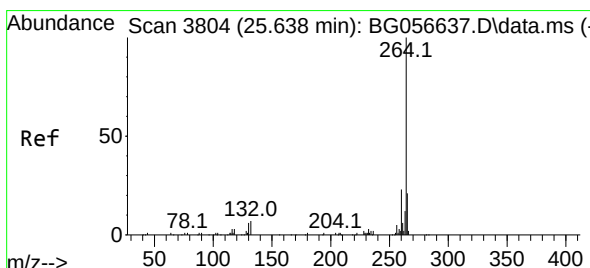
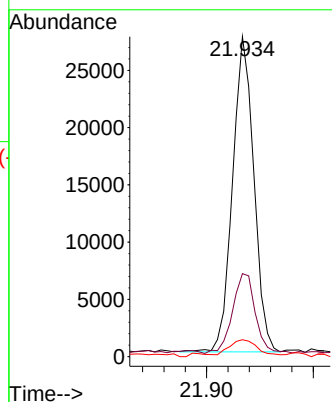
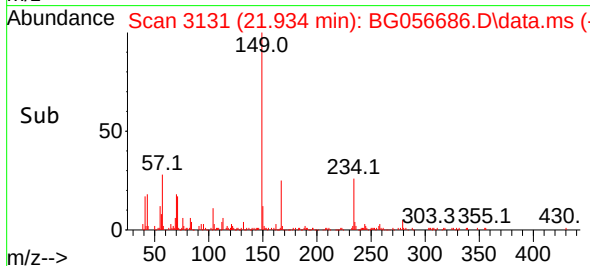
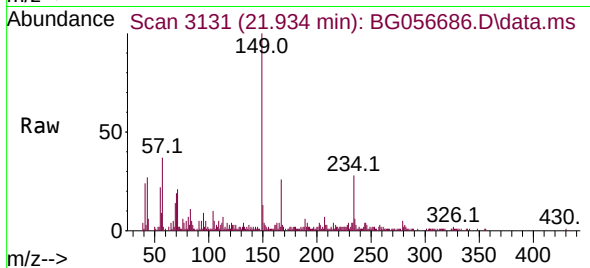
SB-05-0-2.0

Tgt Ion:149 Resp: 38133
Ion Ratio Lower Upper
149 100
167 25.9 21.4 32.0
279 5.3 4.1 6.1

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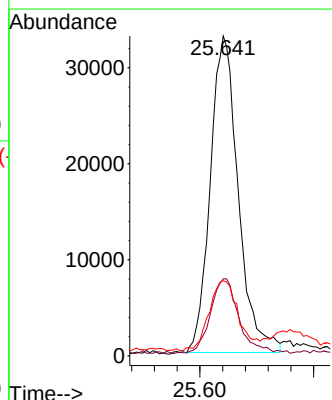
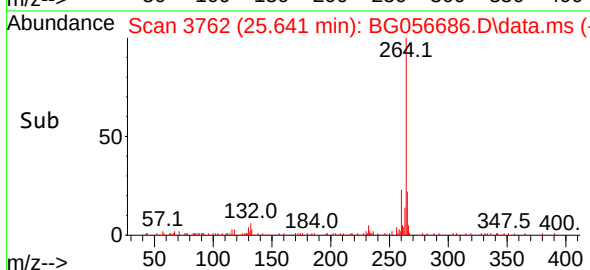
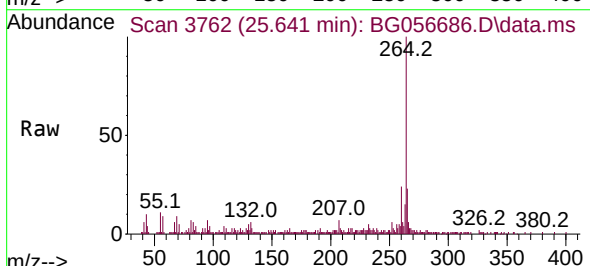
APPROVED

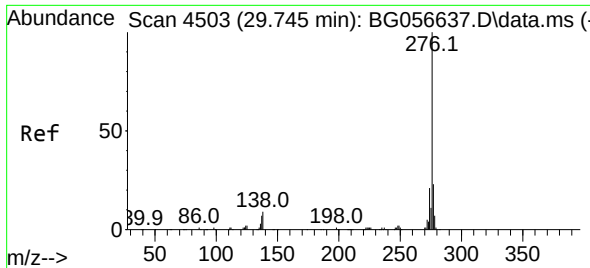
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.641 min Scan# 3762
Delta R.T. 0.020 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

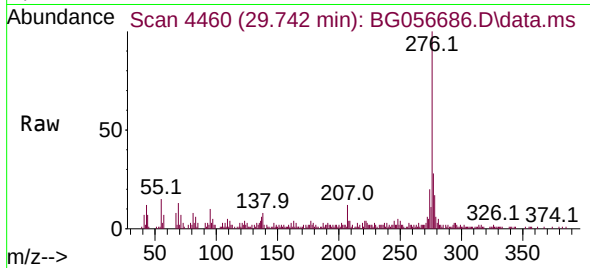
Tgt Ion:264 Resp: 112565
Ion Ratio Lower Upper
264 100
260 24.1 18.6 27.8
265 23.5 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.992 ng
RT: 29.742 min Scan# 4460
Delta R.T. 0.032 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

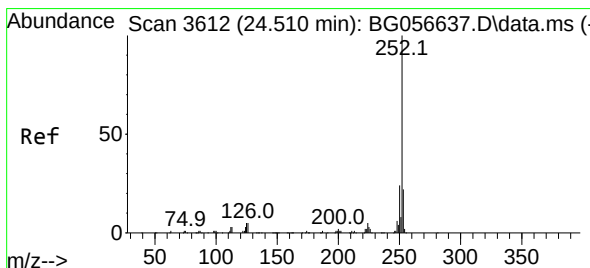
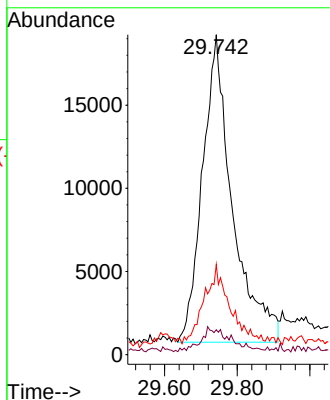
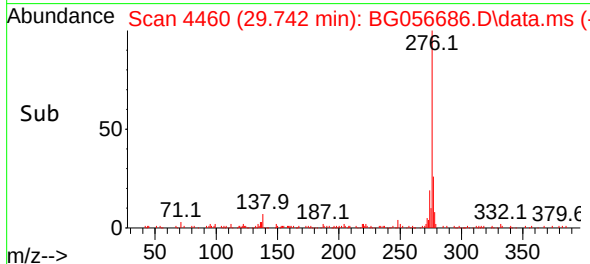
Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0



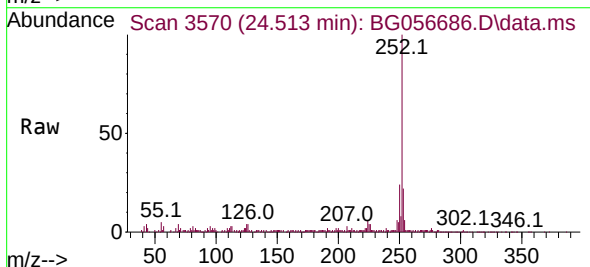
Tgt Ion:276 Resp: 105714
Ion Ratio Lower Upper
276 100
138 0.0 3.8 5.8
277 22.1 20.3 30.5

Manual Integrations
APPROVED

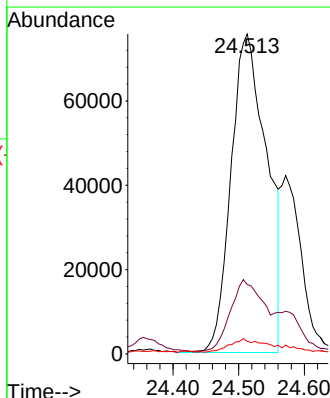
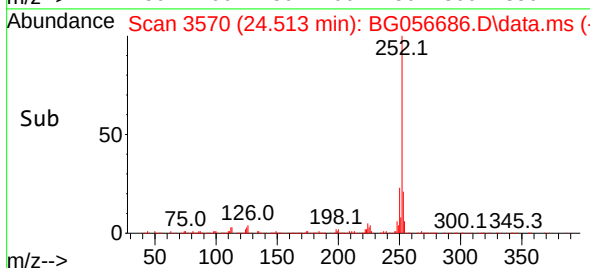
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023

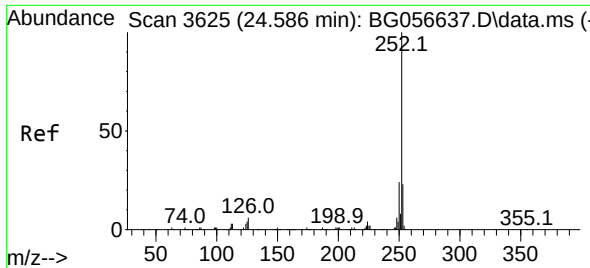


#88
Benzo(b)fluoranthene
Concen: 38.937 ng
RT: 24.513 min Scan# 3570
Delta R.T. 0.020 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09



Tgt Ion:252 Resp: 286341
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 3.9 3.7 5.5





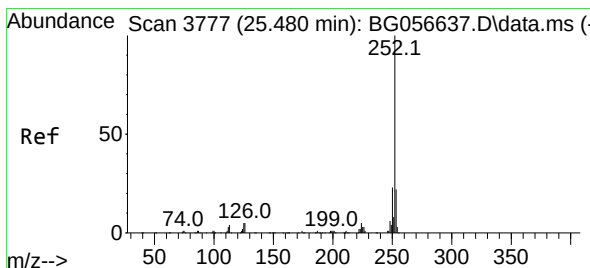
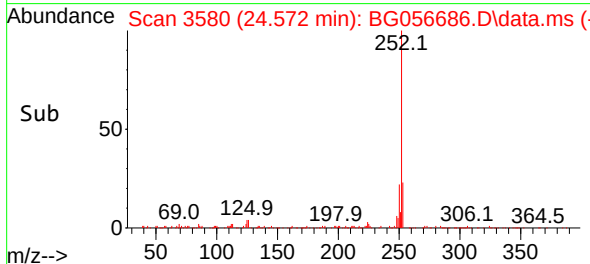
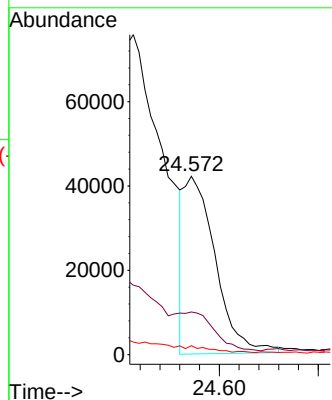
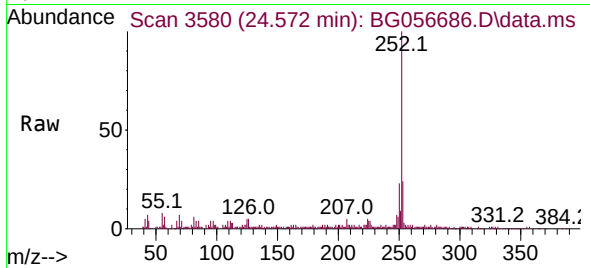
#89
Benzo(k)fluoranthene
Concen: 12.834 ng m
RT: 24.572 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

Instrument :
BNA_G
ClientSampleId :
SB-05-0-2.0

Tgt Ion:252 Resp: 92812
Ion Ratio Lower Upper
252 100
253 24.0 18.5 27.7
125 5.0 3.4 5.0

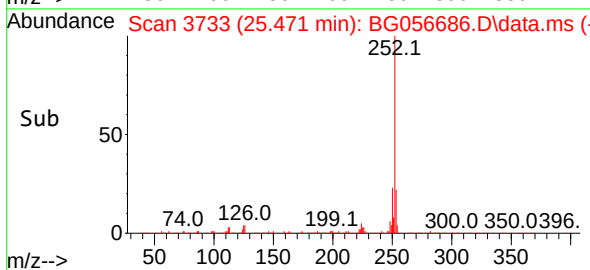
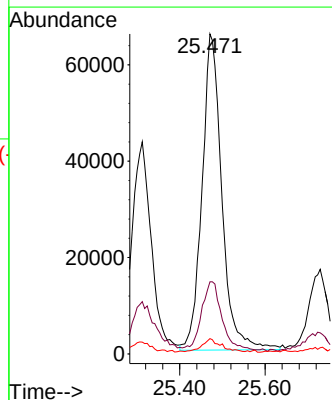
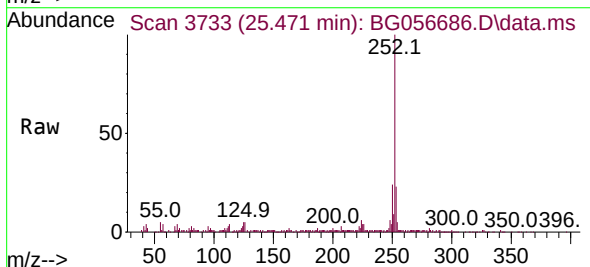
Manual Integrations
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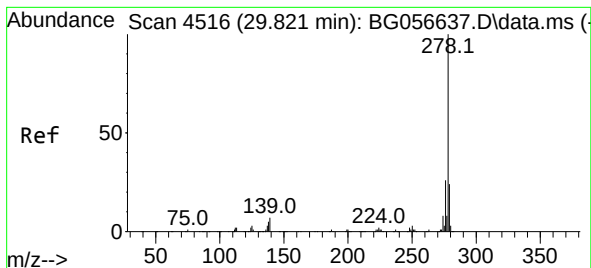
Reviewed By :Christian Giraldo 02/22/2023
Supervised By :Jagrut Upadhyay 02/22/2023



#90
Benzo(a)pyrene
Concen: 29.970 ng
RT: 25.471 min Scan# 3733
Delta R.T. 0.009 min
Lab File: BG056686.D
Acq: 21 Feb 2023 16:09

Tgt Ion:252 Resp: 211853
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 4.8 4.0 6.0





#91

Dibenzo(a,h)anthracene

Concen: 3.822 ng m

RT: 29.783 min Scan# 4467

Delta R.T. -0.003 min

Lab File: BG056686.D

Acq: 21 Feb 2023 16:09

Instrument :

BNA_G

ClientSampleId :

SB-05-0-2.0

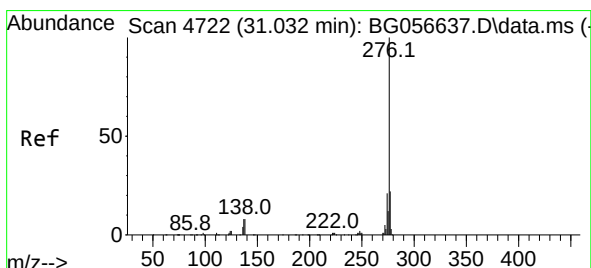
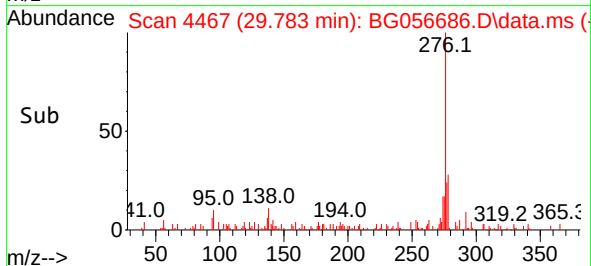
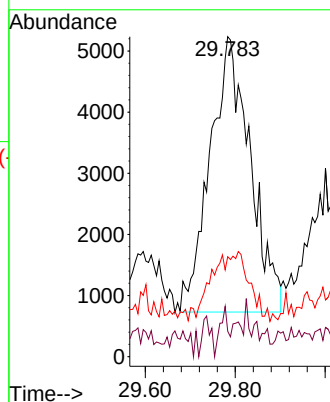
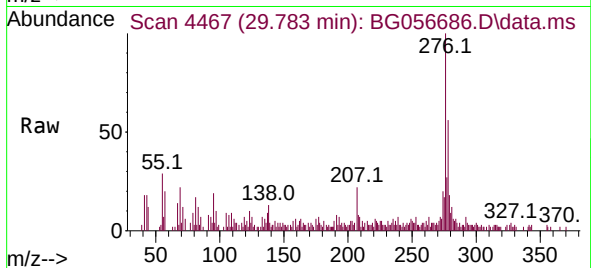
Tgt Ion:	278	Resp:	27906
Ion Ratio	Lower	Upper	
278	100		
139	7.9	5.8	8.8
279	31.2	19.6	29.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/22/2023

Supervised By :Jagrut Upadhyay 02/22/2023



#92

Benzo(g,h,i)perylene

Concen: 13.991 ng m

RT: 31.023 min Scan# 4678

Delta R.T. 0.026 min

Lab File: BG056686.D

Acq: 21 Feb 2023 16:09

Tgt Ion:	276	Resp:	99819
Ion Ratio	Lower	Upper	
276	100		
277	27.8	17.5	26.3
138	7.4	6.4	9.6

