

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054403.D
 Acq On : 26 Jul 2022 18:20
 Operator : CG/JU
 Sample : N3854-01DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/27/2022
 Supervised By : Jagrut Upadhyay 07/27/2022

Quant Time: Jul 27 04:33:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	23382	20.000	ng	-0.01
21) Naphthalene-d8	10.794	136	87882	20.000	ng	#-0.01
39) Acenaphthene-d10	14.619	164	68063	20.000	ng	-0.01
64) Phenanthrene-d10	17.368	188	166397	20.000	ng	# 0.00
76) Chrysene-d12	21.634	240	179417	20.000	ng	# 0.00
86) Perylene-d12	24.836	264	194107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.564	112	46339	41.378	ng	0.00
7) Phenol-d6	7.168	99	66954	43.632	ng	0.00
23) Nitrobenzene-d5	9.149	82	41962	26.002	ng	-0.01
42) 2,4,6-Tribromophenol	16.111	330	58004	40.589	ng	-0.01
45) 2-Fluorobiphenyl	13.244	172	123839	25.667	ng	-0.01
79) Terphenyl-d14	19.977	244	243419	26.915	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.689	154	9758	2.783	ng	98
58) Fluorene	15.670	166	14201	2.769	ng	100
71) Phenanthrene	17.409	178	334620	40.381	ng	99
72) Anthracene	17.498	178	51524	6.336	ng	98
73) Carbazole	17.768	167	31207	4.661	ng	98
75) Fluoranthene	19.425	202	510535	45.197	ng	94
78) Pyrene	19.783	202	431765	41.940	ng	97
81) Benzo(a)anthracene	21.616	228	291885	25.628	ng	98
83) Chrysene	21.681	228	297425	27.641	ng	95
87) Indeno(1,2,3-cd)pyrene	28.496	276	174084	11.789	ng	97
88) Benzo(b)fluoranthene	23.825	252	382601	33.330	ng	# 98
89) Benzo(k)fluoranthene	23.878	252	111514m	9.761	ng	
90) Benzo(a)pyrene	24.683	252	271577m	27.702	ng	
91) Dibenzo(a,h)anthracene	28.532	278	49364	4.065	ng	# 90
92) Benzo(g,h,i)perylene	29.648	276	170141	14.197	ng	# 94

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

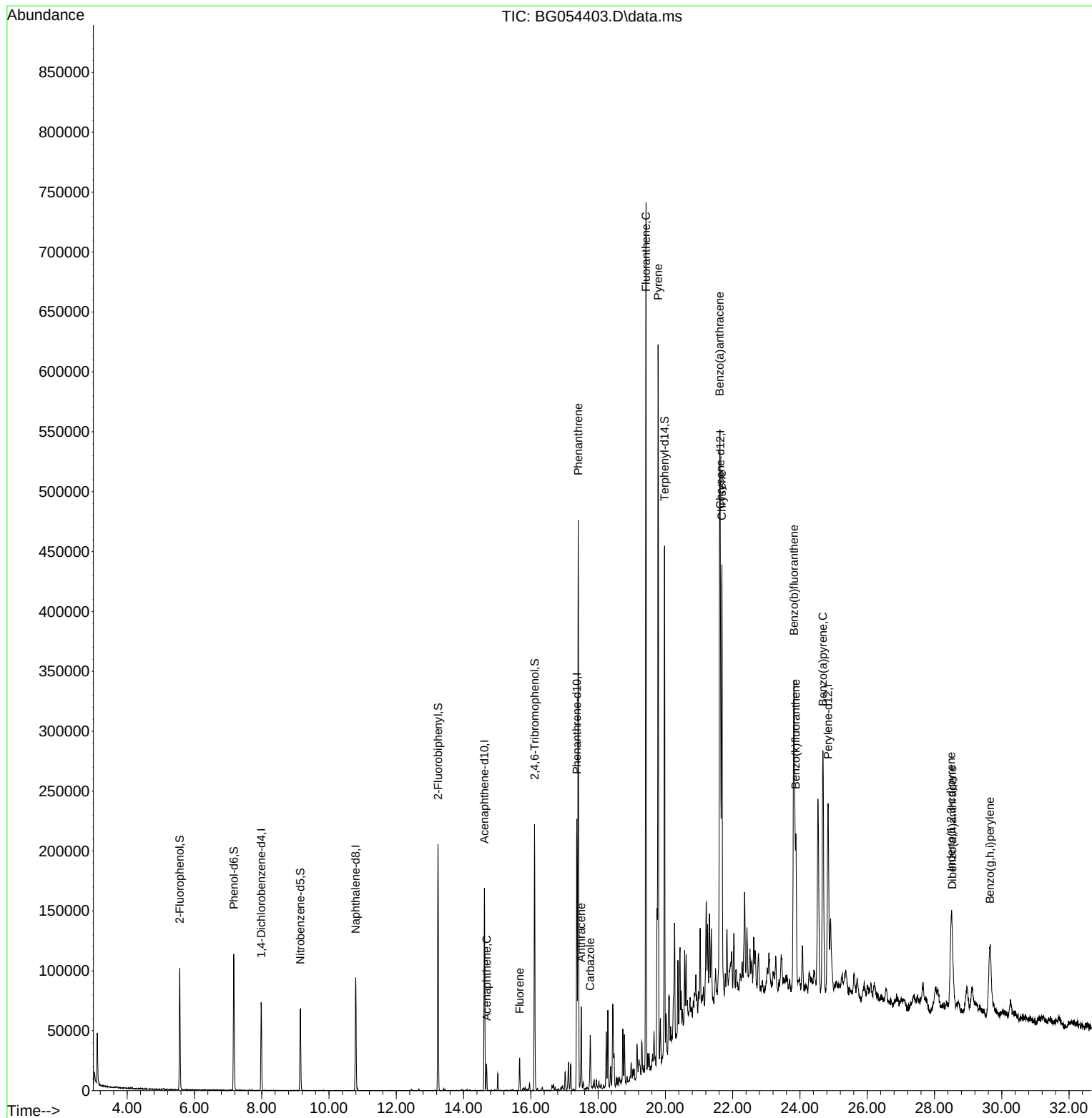
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
Data File : BG054403.D
Acq On : 26 Jul 2022 18:20
Operator : CG/JU
Sample : N3854-01DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

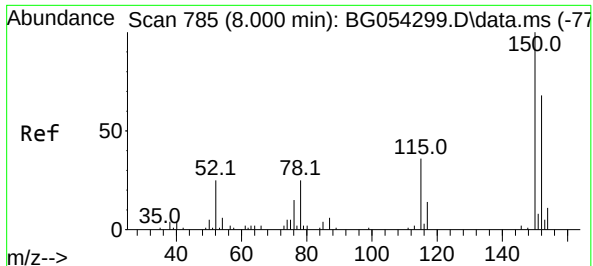
Instrument :
BNA_G
ClientSampleId :
MH-189EDL

Quant Time: Jul 27 04:33:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

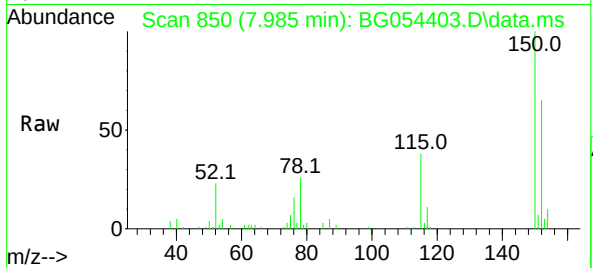
Reviewed By : Christian Giraldo 07/27/2022
Supervised By : Jagrut Upadhyay 07/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.985 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

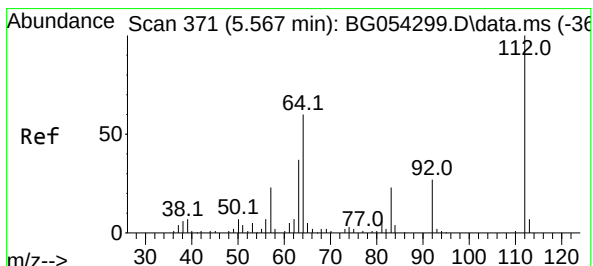
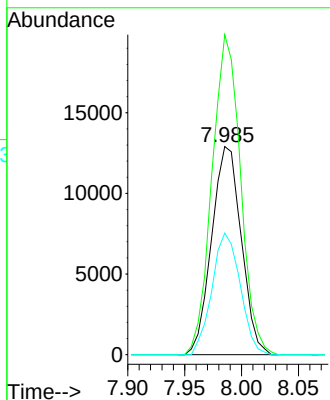
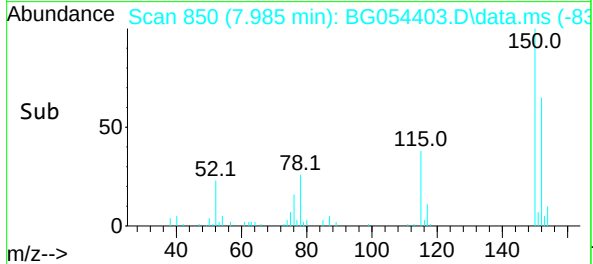
Instrument :
BNA_G
ClientSampleId :
MH-189EDL



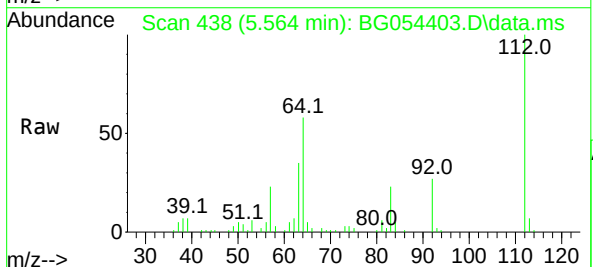
Tgt Ion:152 Resp: 2338
Ion Ratio Lower Upper
152 100
150 153.7 131.6 197.4
115 58.4 50.9 76.3

Manual Integrations
APPROVED

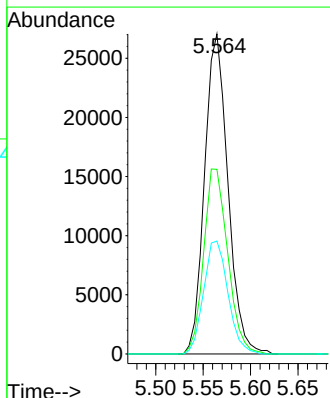
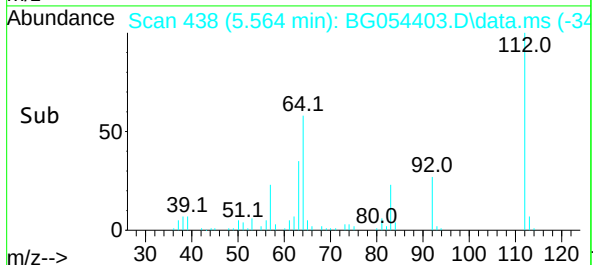
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

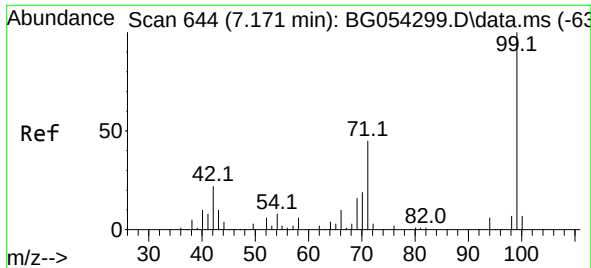


#5
2-Fluorophenol
Concen: 41.378 ng
RT: 5.564 min Scan# 438
Delta R.T. -0.003 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20



Tgt Ion:112 Resp: 46339
Ion Ratio Lower Upper
112 100
64 57.7 55.1 82.7
63 35.3 30.4 45.6





#7

Phenol-d6

Concen: 43.632 ng

RT: 7.168 min Scan# 71

Delta R.T. -0.003 min

Lab File: BG054403.D

Acq: 26 Jul 2022 18:20

Instrument :

BNA_G

ClientSampleId :

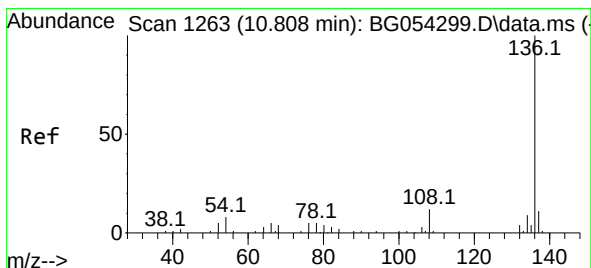
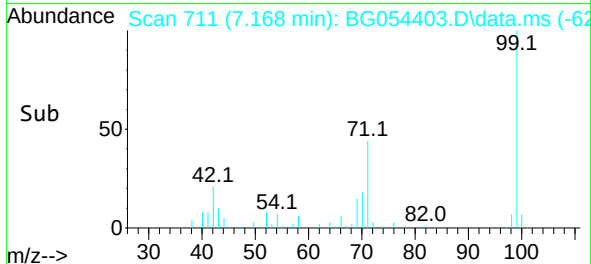
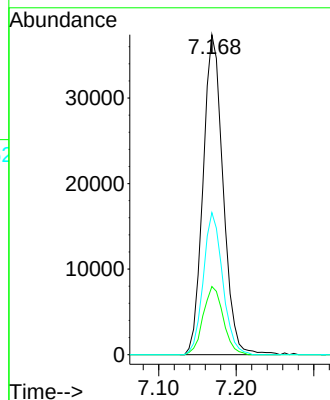
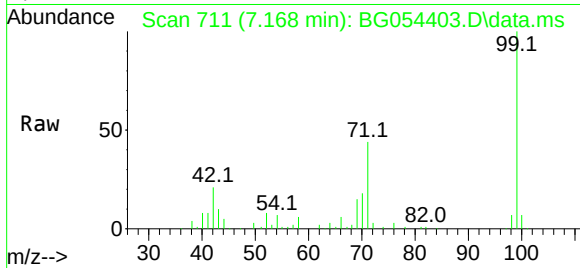
MH-189EDL

Tgt Ion: 99 Resp: 66954
 Ion Ratio Lower Upper
 99 100
 42 21.3 17.0 25.6
 71 44.4 33.8 50.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022



#21

Naphthalene-d8

Concen: 20.000 ng

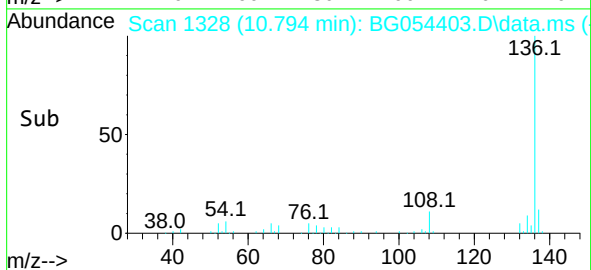
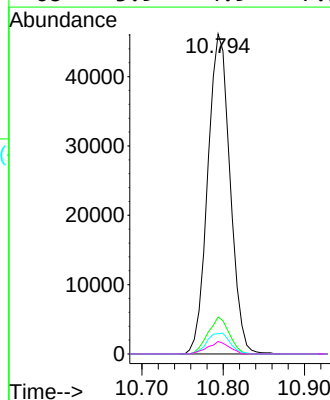
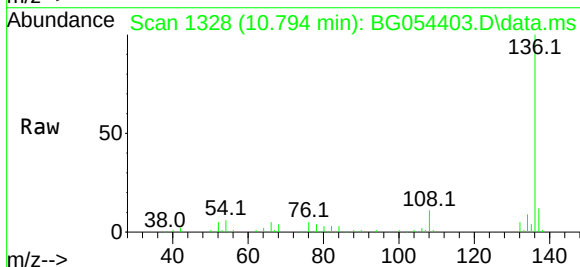
RT: 10.794 min Scan# 1328

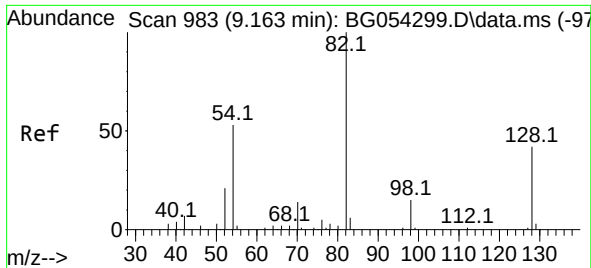
Delta R.T. -0.014 min

Lab File: BG054403.D

Acq: 26 Jul 2022 18:20

Tgt Ion:136 Resp: 87882
 Ion Ratio Lower Upper
 136 100
 137 11.6 8.5 12.7
 54 6.4 7.4 11.2#
 68 3.9 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 26.002 ng
RT: 9.149 min Scan# 1048
Delta R.T. -0.015 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Instrument :

BNA_G

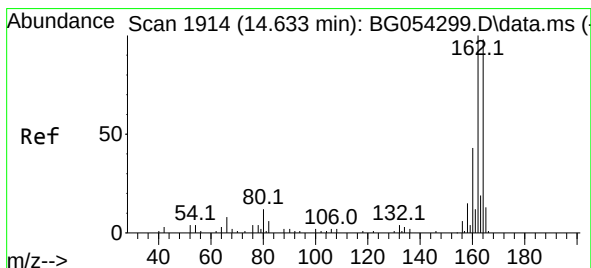
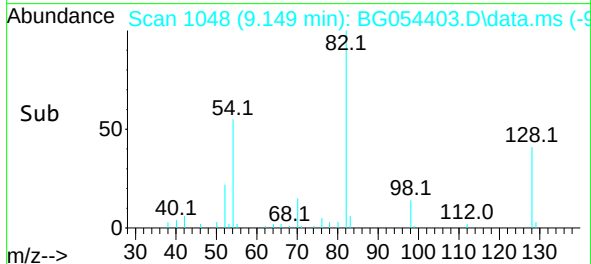
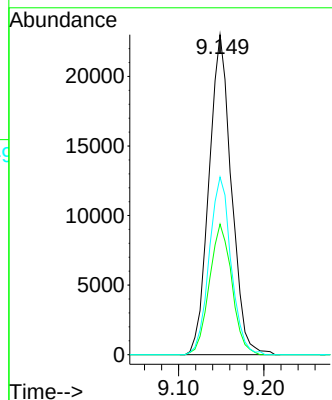
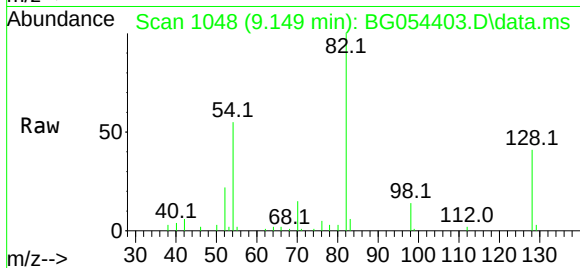
ClientSampleId :

MH-189EDL

Tgt Ion: 82 Resp: 41962
Ion Ratio Lower Upper
82 100
128 40.8 27.9 41.9
54 55.5 41.2 61.8

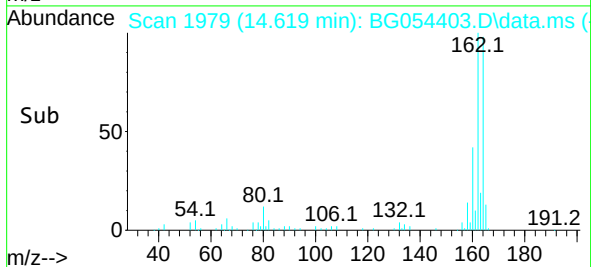
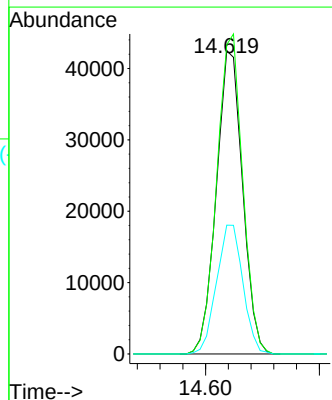
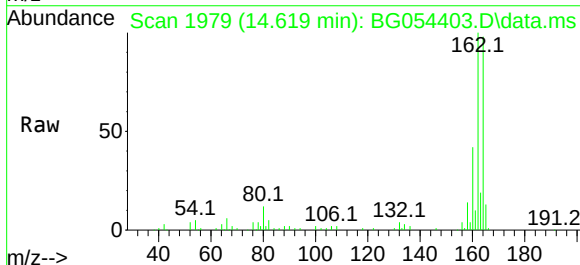
Manual Integrations
APPROVED

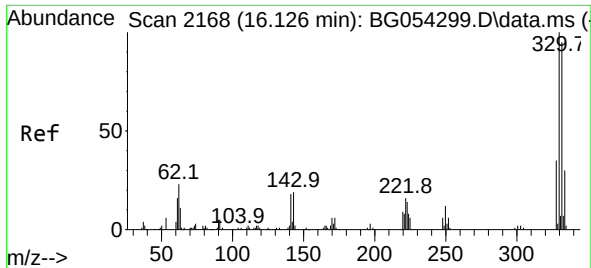
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.619 min Scan# 1979
Delta R.T. -0.014 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Tgt Ion:164 Resp: 68063
Ion Ratio Lower Upper
164 100
162 102.0 82.3 123.5
160 42.5 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 40.589 ng
RT: 16.111 min Scan# 2168
Delta R.T. -0.015 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Instrument :

BNA_G

ClientSampleId :

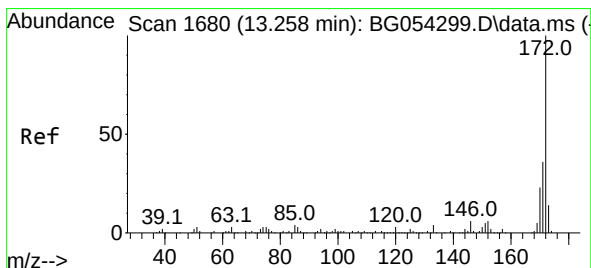
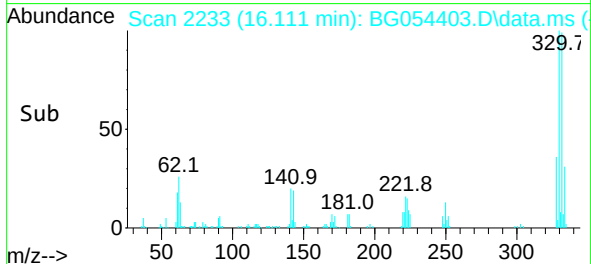
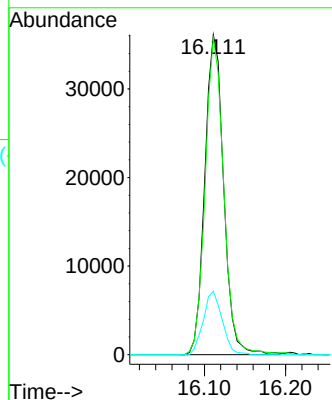
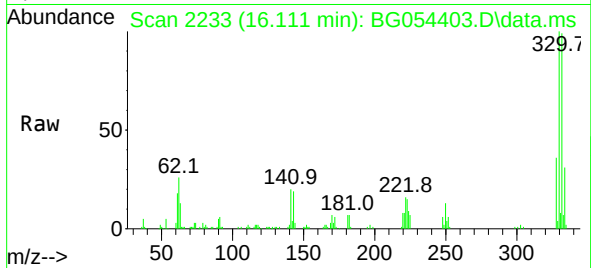
MH-189EDL

Tgt Ion:330 Resp: 58004
Ion Ratio Lower Upper
330 100
332 97.7 76.0 114.0
141 19.9 27.1 40.7

Manual Integrations

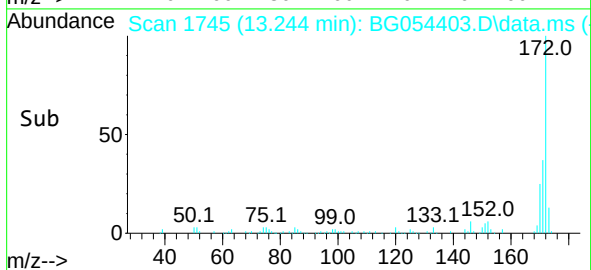
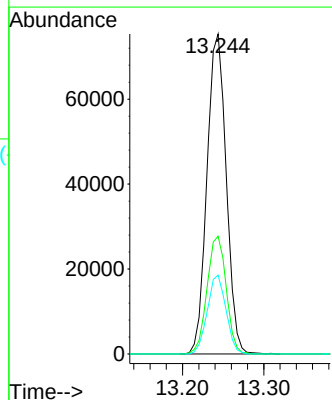
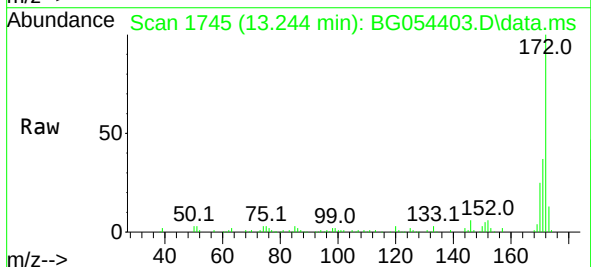
APPROVED

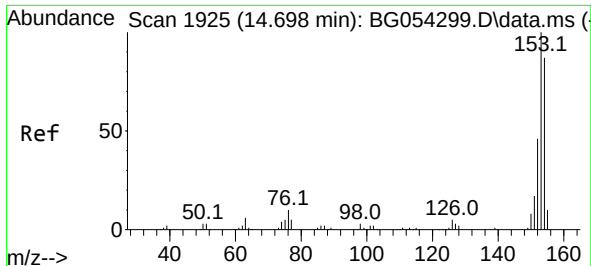
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#45
2-Fluorobiphenyl
Concen: 25.667 ng
RT: 13.244 min Scan# 1745
Delta R.T. -0.015 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Tgt Ion:172 Resp: 123839
Ion Ratio Lower Upper
172 100
171 36.8 28.5 42.7
170 24.6 18.9 28.3





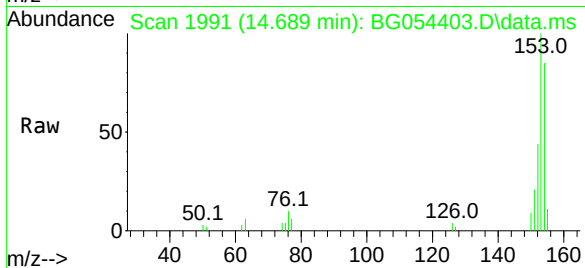
#52
Acenaphthene
Concen: 2.783 ng
RT: 14.689 min Scan# 1925
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Instrument :

BNA_G

ClientSampleId :

MH-189EDL

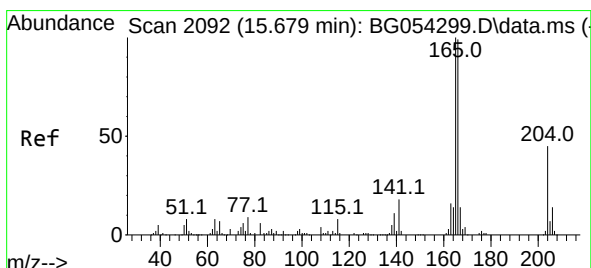
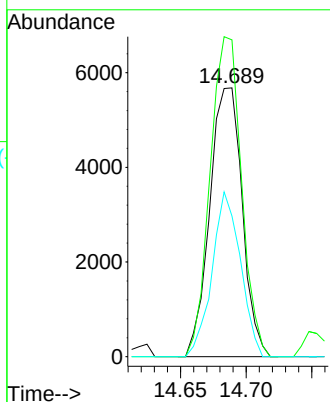


Tgt Ion:154 Resp: 9758
Ion Ratio Lower Upper
154 100
153 117.9 92.7 139.1
152 52.3 42.6 64.0

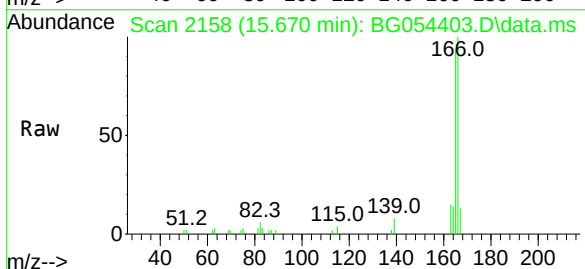
Manual Integrations

APPROVED

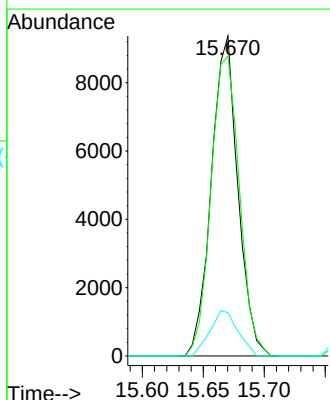
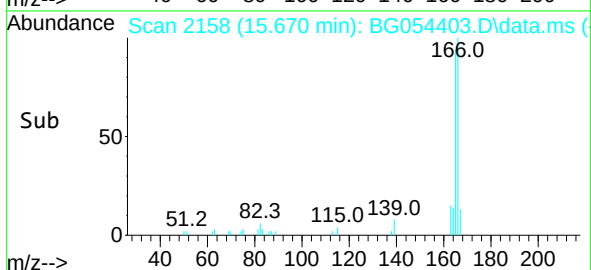
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

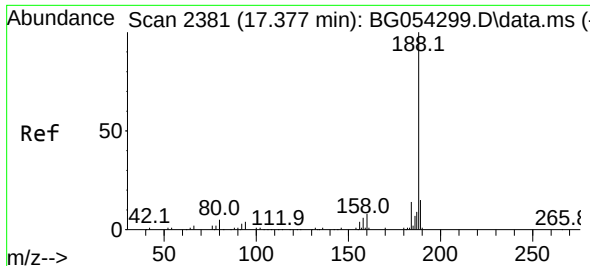


#58
Fluorene
Concen: 2.769 ng
RT: 15.670 min Scan# 2158
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20



Tgt Ion:166 Resp: 14201
Ion Ratio Lower Upper
166 100
165 93.7 75.0 112.6
167 13.5 10.8 16.2





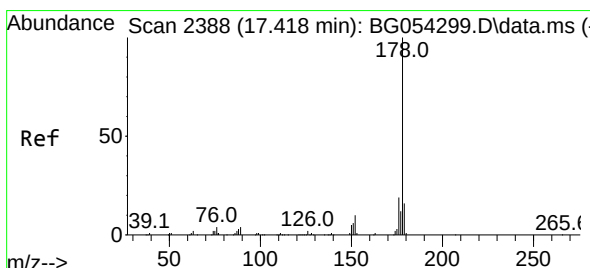
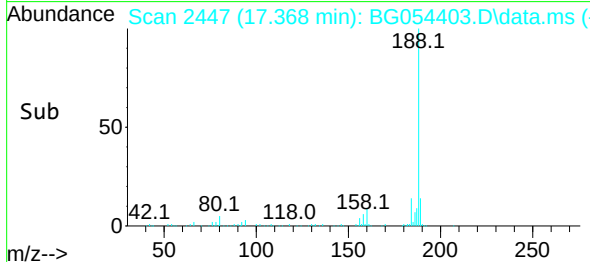
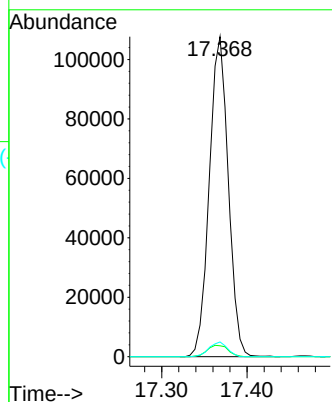
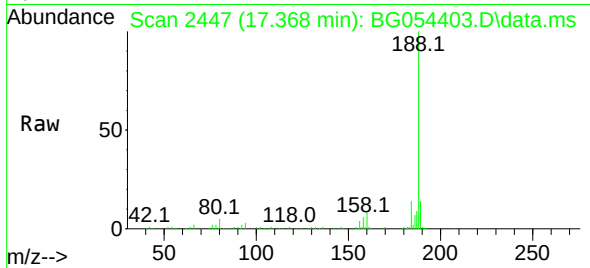
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.368 min Scan# 2447
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Instrument :
BNA_G
ClientSampleId :
MH-189EDL

Tgt Ion:188 Resp: 166397
Ion Ratio Lower Upper
188 100
94 3.4 5.4 8.0
80 4.6 6.8 10.2

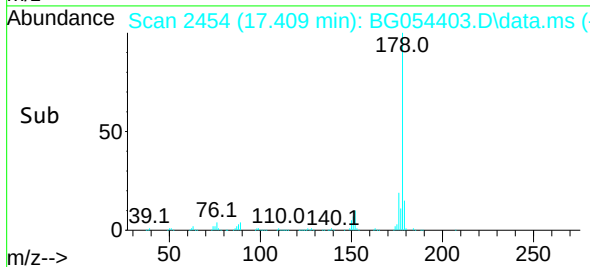
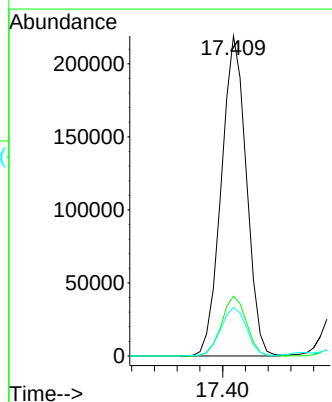
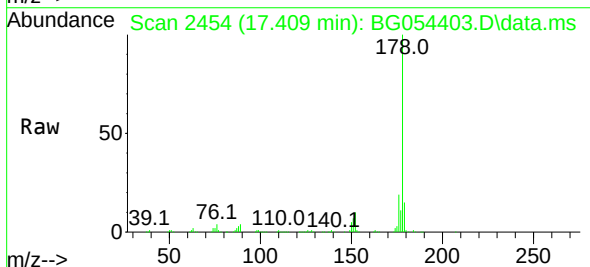
Manual Integrations
APPROVED

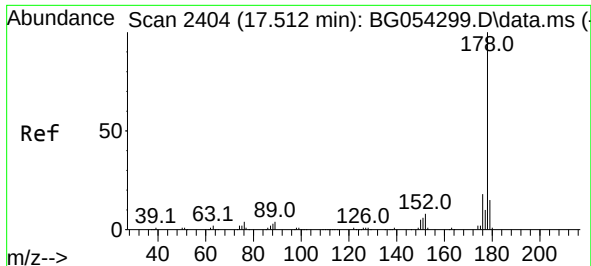
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#71
Phenanthrene
Concen: 40.381 ng
RT: 17.409 min Scan# 2454
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Tgt Ion:178 Resp: 334620
Ion Ratio Lower Upper
178 100
176 18.7 14.1 21.1
179 15.2 12.1 18.1





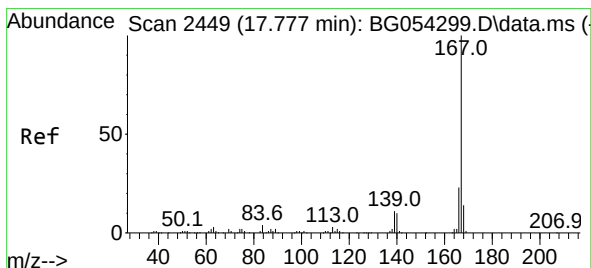
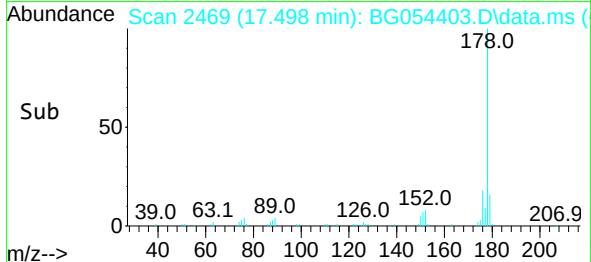
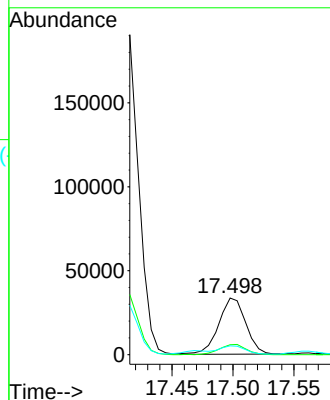
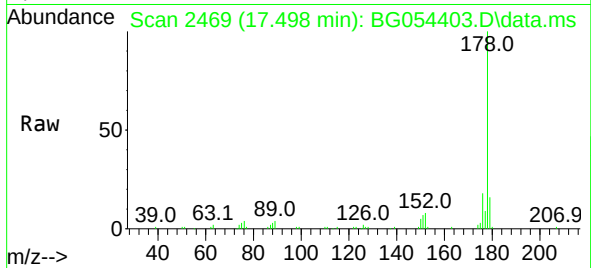
#72
 Anthracene
 Concen: 6.336 ng
 RT: 17.498 min Scan# 2404
 Delta R.T. -0.015 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

Instrument :
 BNA_G
 ClientSampleId :
 MH-189EDL

Tgt Ion:178 Resp: 51524
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.2 22.8
 179 15.6 13.0 19.4

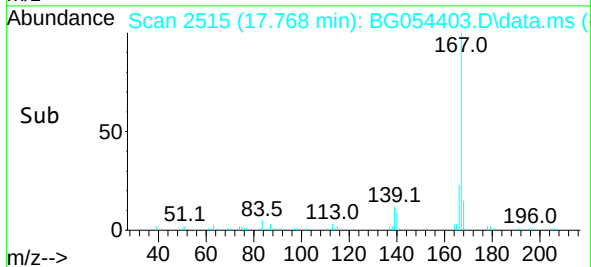
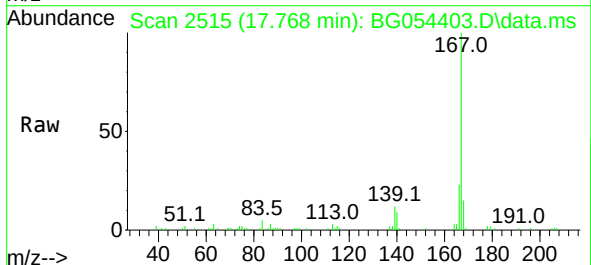
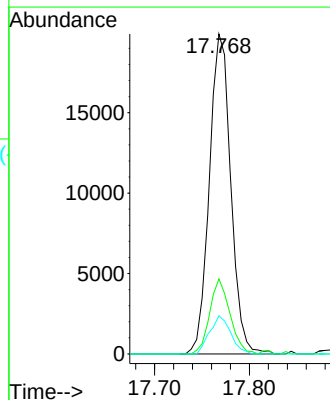
Manual Integrations
 APPROVED

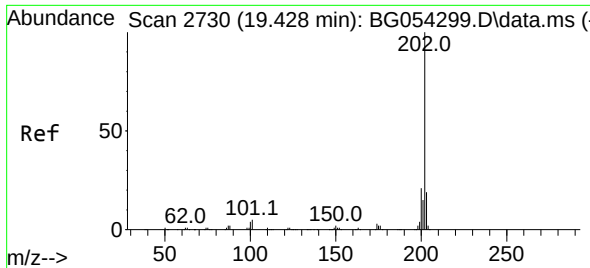
Reviewed By :Christian Giraldo 07/27/2022
 Supervised By :Jagrut Upadhyay 07/27/2022



#73
 Carbazole
 Concen: 4.661 ng
 RT: 17.768 min Scan# 2515
 Delta R.T. -0.009 min
 Lab File: BG054403.D
 Acq: 26 Jul 2022 18:20

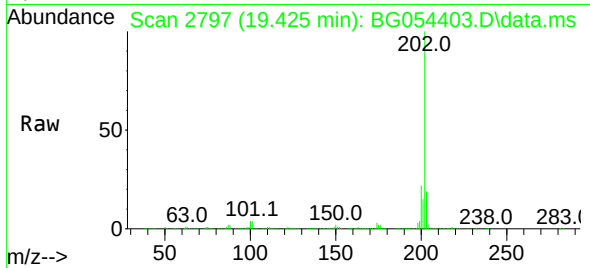
Tgt Ion:167 Resp: 31207
 Ion Ratio Lower Upper
 167 100
 166 23.4 18.2 27.2
 139 11.9 10.1 15.1





#75
Fluoranthene
Concen: 45.197 ng
RT: 19.425 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

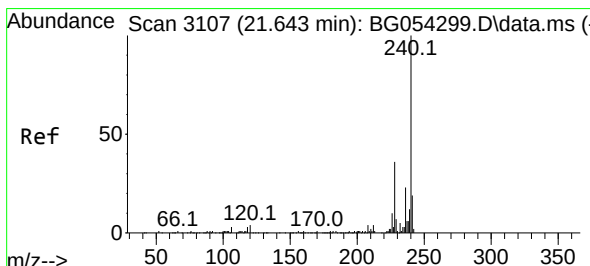
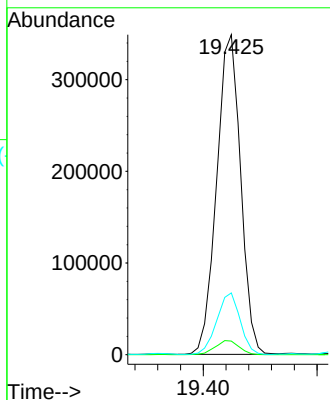
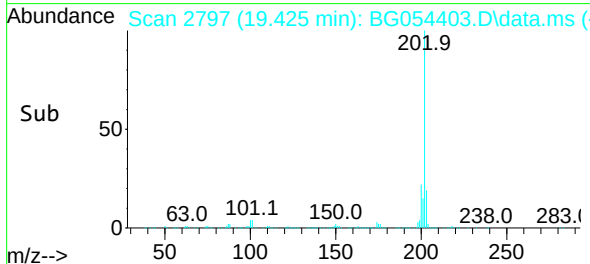
Instrument :
BNA_G
ClientSampleId :
MH-189EDL



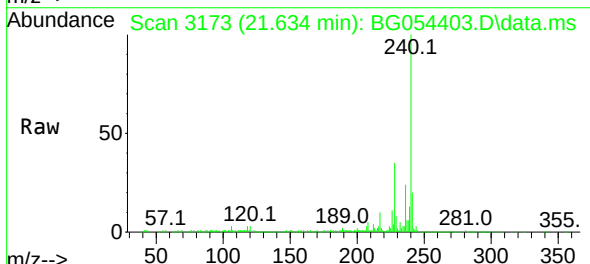
Tgt Ion:202 Resp: 51053
Ion Ratio Lower Upper
202 100
101 4.3 0.0 26.9
203 19.3 0.0 37.2

Manual Integrations
APPROVED

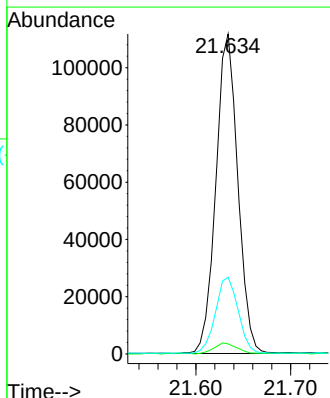
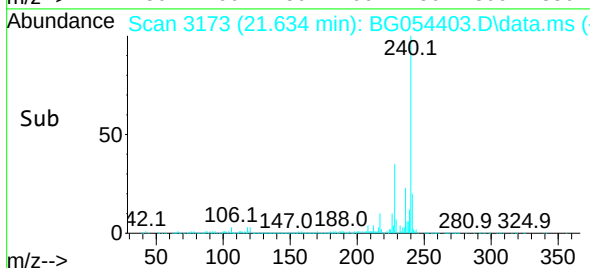
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

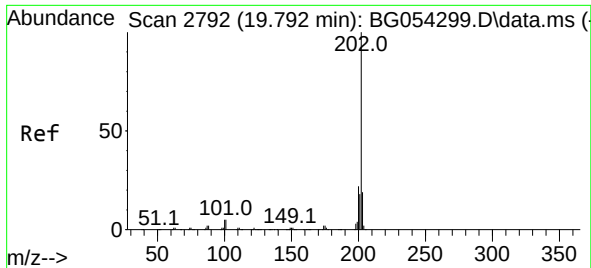


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.634 min Scan# 3173
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20



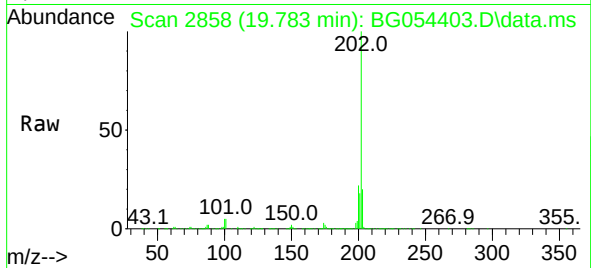
Tgt Ion:240 Resp: 179417
Ion Ratio Lower Upper
240 100
120 3.2 4.6 7.0#
236 24.0 20.2 30.4





#78
Pyrene
Concen: 41.940 ng
RT: 19.783 min Scan# 2891
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

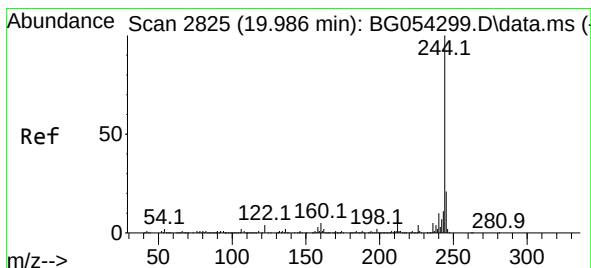
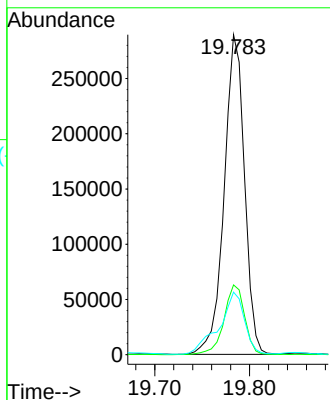
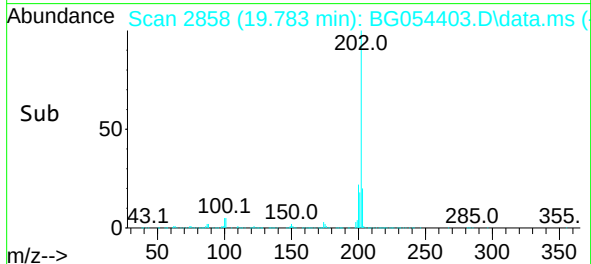
Instrument :
BNA_G
ClientSampleId :
MH-189EDL



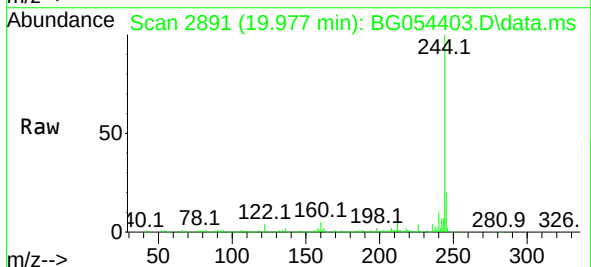
Tgt Ion:202 Resp: 43176
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 19.5 14.6 21.8

Manual Integrations
APPROVED

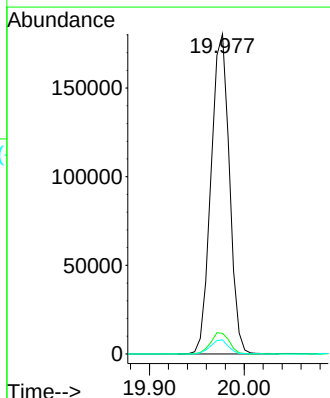
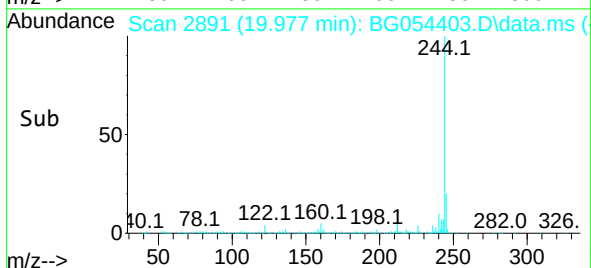
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

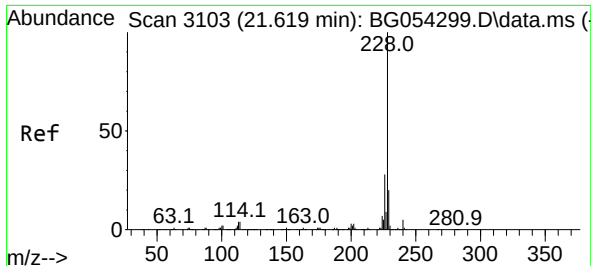


#79
Terphenyl-d14
Concen: 26.915 ng
RT: 19.977 min Scan# 2891
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20



Tgt Ion:244 Resp: 243419
Ion Ratio Lower Upper
244 100
212 6.4 6.5 9.7#
122 4.4 5.0 7.4#





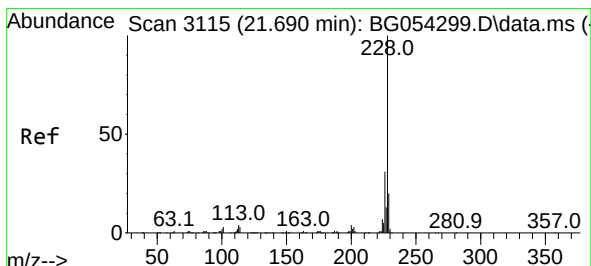
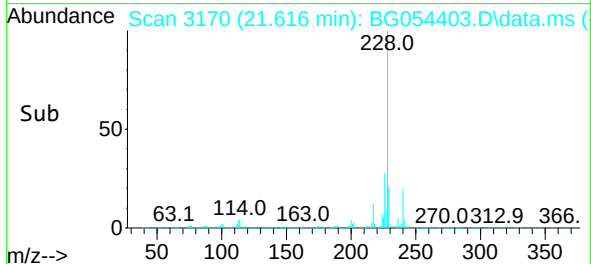
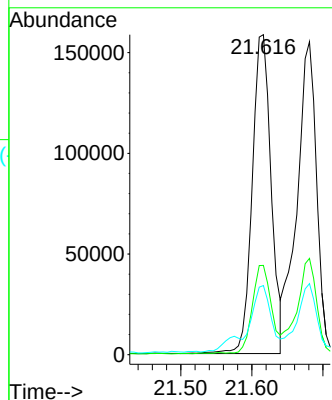
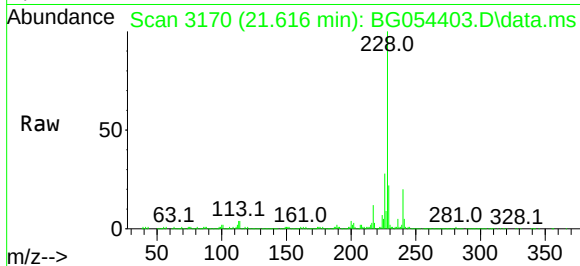
#81
Benzo(a)anthracene
Concen: 25.628 ng
RT: 21.616 min Scan# 3103
Delta R.T. -0.003 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Instrument :
BNA_G
ClientSampleId :
MH-189EDL

Tgt Ion:228 Resp: 291885
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 21.6 16.2 24.2

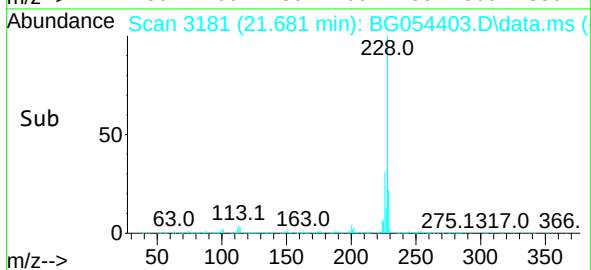
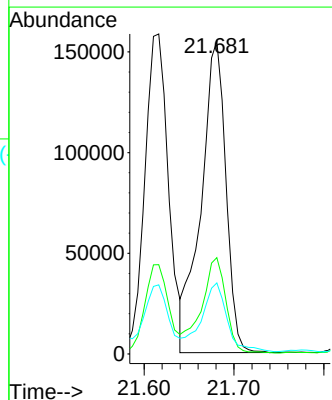
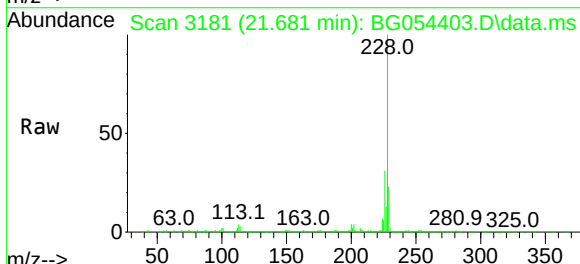
Manual Integrations
APPROVED

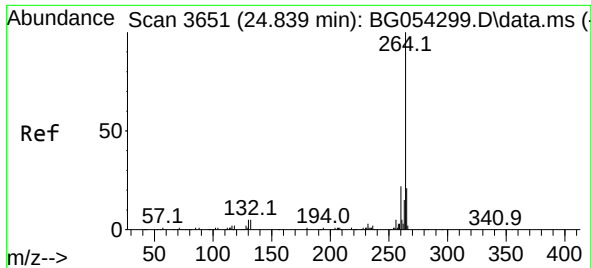
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#83
Chrysene
Concen: 27.641 ng
RT: 21.681 min Scan# 3181
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

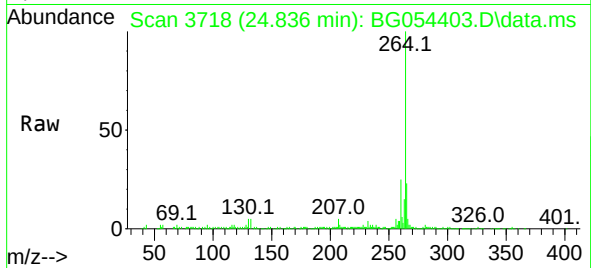
Tgt Ion:228 Resp: 297425
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.2
229 22.7 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.836 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

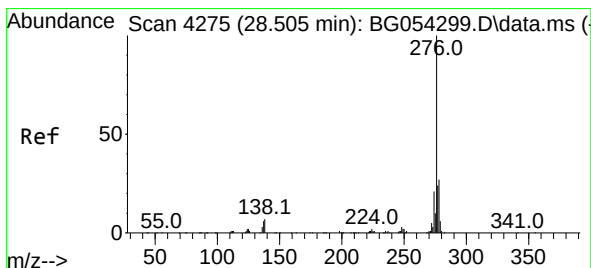
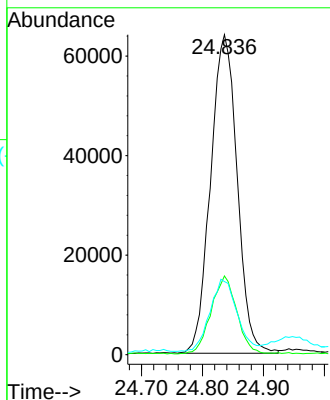
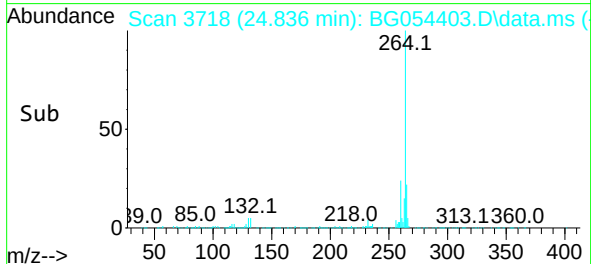
Instrument :
BNA_G
ClientSampleId :
MH-189EDL



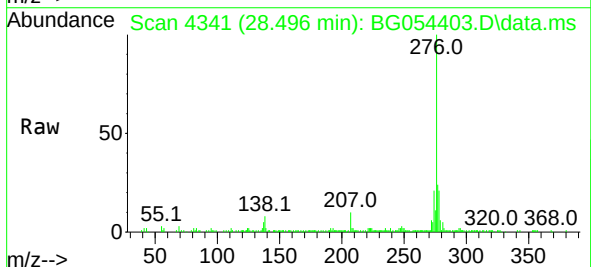
Tgt Ion:264 Resp: 19410
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.6
265 22.8 17.4 26.2

Manual Integrations
APPROVED

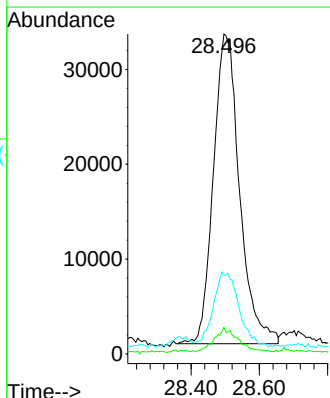
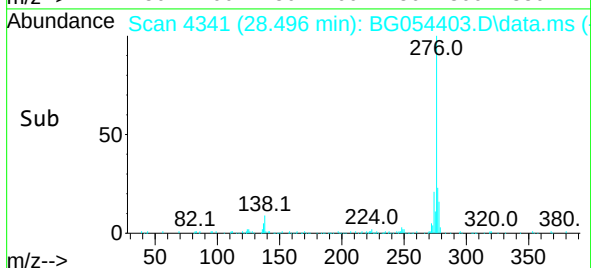
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

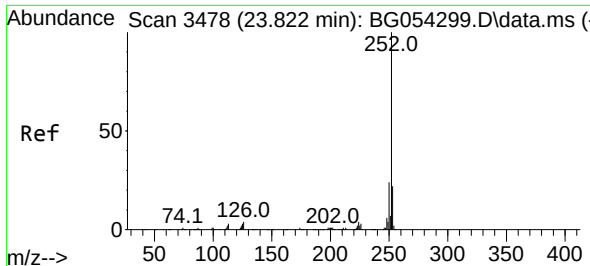


#87
Indeno(1,2,3-cd)pyrene
Concen: 11.789 ng
RT: 28.496 min Scan# 4341
Delta R.T. -0.009 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20



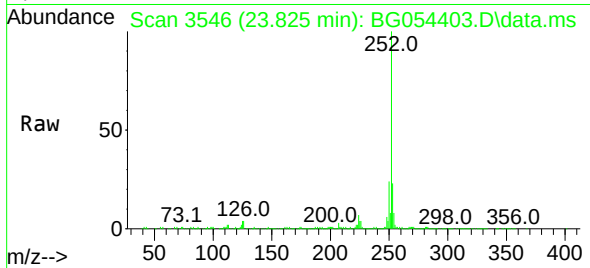
Tgt Ion:276 Resp: 174084
Ion Ratio Lower Upper
276 100
138 6.7 5.0 7.4
277 23.6 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 33.330 ng
RT: 23.825 min Scan# 31
Delta R.T. 0.003 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

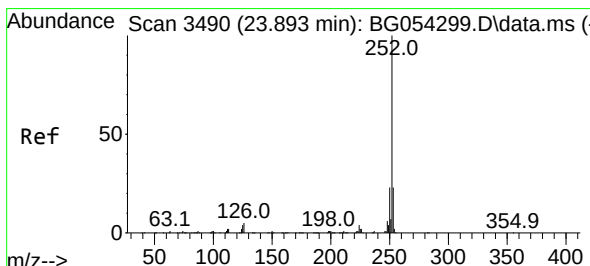
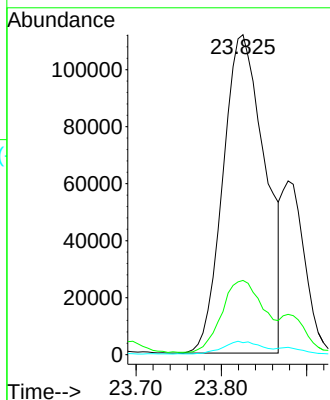
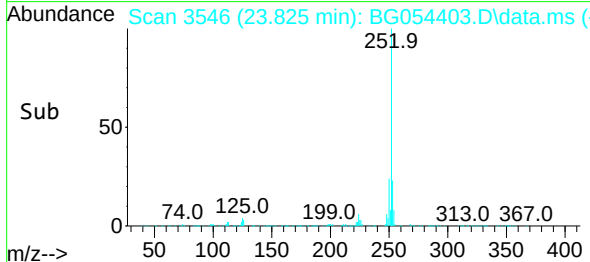
Instrument :
BNA_G
ClientSampleId :
MH-189EDL



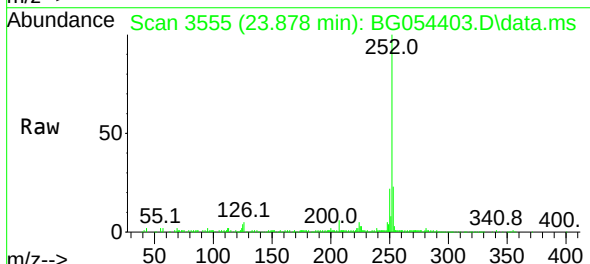
Tgt Ion:252 Resp: 38260
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 3.8 4.6 6.8

Manual Integrations
APPROVED

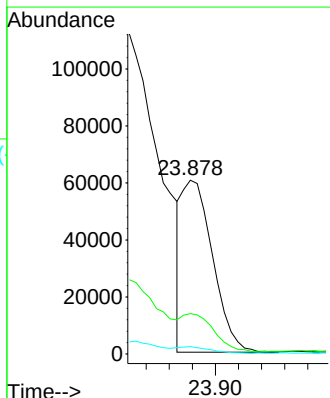
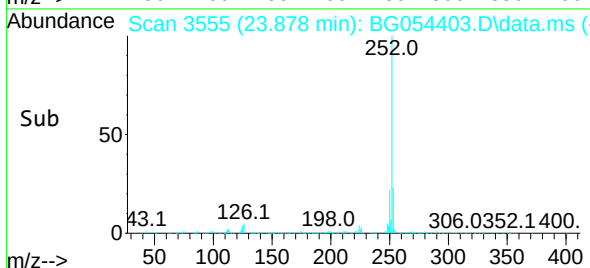
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

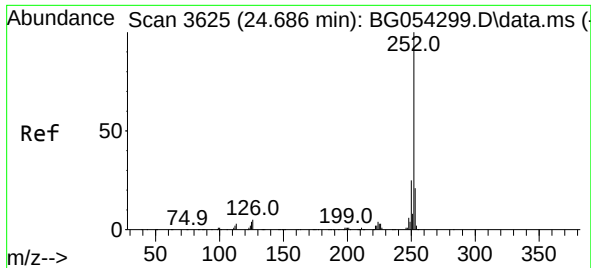


#89
Benzo(k)fluoranthene
Concen: 9.761 ng m
RT: 23.878 min Scan# 3555
Delta R.T. -0.015 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20



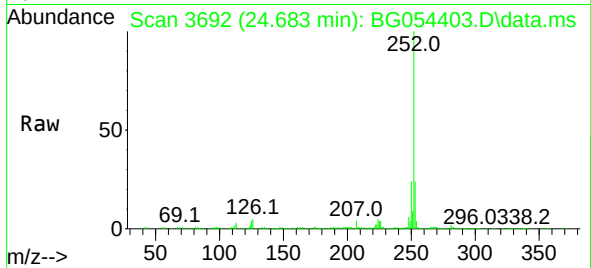
Tgt Ion:252 Resp: 111514
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 4.3 4.8 7.2#





#90
Benzo(a)pyrene
Concen: 27.702 ng m
RT: 24.683 min Scan# 30
Delta R.T. -0.003 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

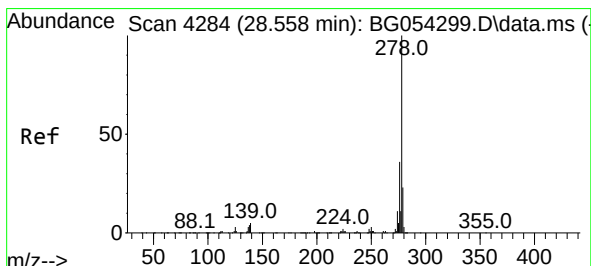
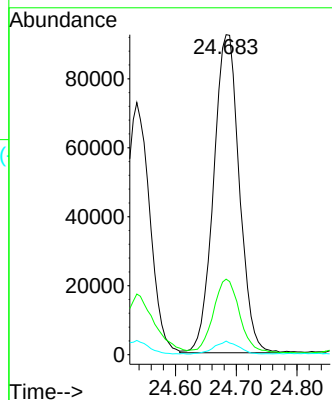
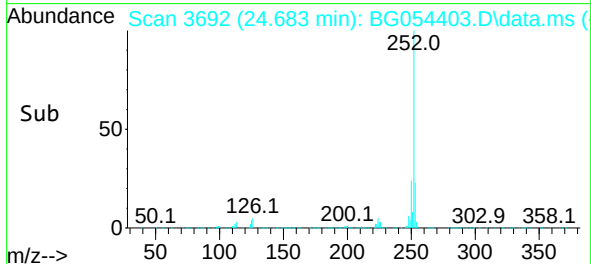
Instrument :
BNA_G
ClientSampleId :
MH-189EDL



Tgt Ion:252 Resp: 27157
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 4.3 4.3 6.5

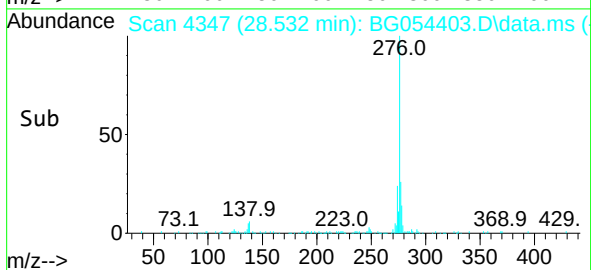
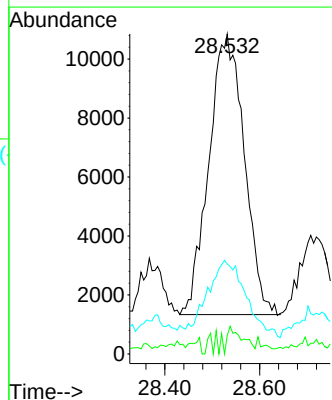
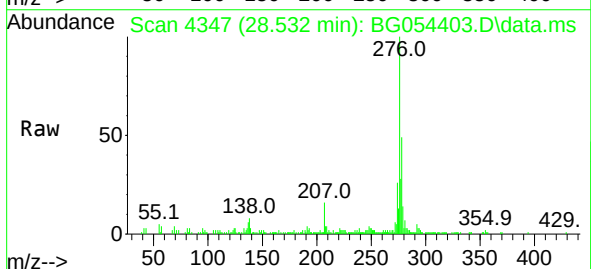
Manual Integrations
APPROVED

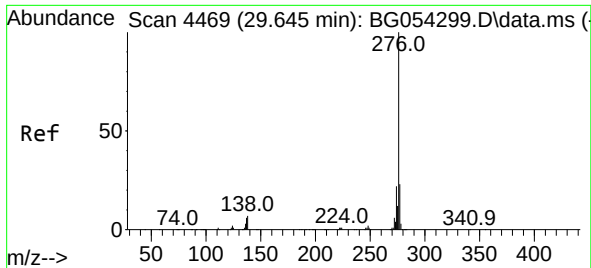
Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.065 ng
RT: 28.532 min Scan# 4347
Delta R.T. -0.026 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

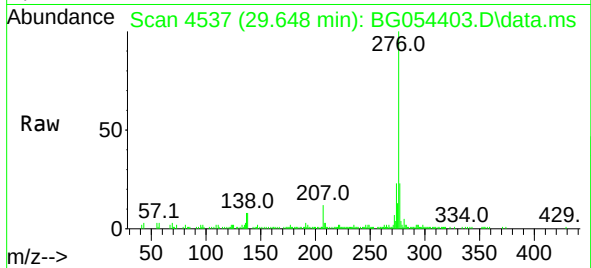
Tgt Ion:278 Resp: 49364
Ion Ratio Lower Upper
278 100
139 5.8 7.2 10.8#
279 28.1 18.6 27.8#





#92
Benzo(g,h,i)perylene
Concen: 14.197 ng
RT: 29.648 min Scan# 4469
Delta R.T. 0.003 min
Lab File: BG054403.D
Acq: 26 Jul 2022 18:20

Instrument :
BNA_G
ClientSampleId :
MH-189EDL



Tgt Ion:276 Resp: 17014
Ion Ratio Lower Upper
276 100
277 23.3 17.3 25.9
138 7.9 9.6 14.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/27/2022
Supervised By :Jagrut Upadhyay 07/27/2022

