

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
 Data File : BG054383.D
 Acq On : 25 Jul 2022 17:16
 Operator : CG/JU
 Sample : N3854-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-189E

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/26/2022
 Supervised By : Jagrut Upadhyay 07/26/2022

Quant Time: Jul 26 00:55:13 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	7.989	152	21789	20.000	ng	-0.01
21) Naphthalene-d8	10.797	136	85075	20.000	ng	#-0.01
39) Acenaphthene-d10	14.622	164	65679	20.000	ng	-0.01
64) Phenanthrene-d10	17.372	188	163986	20.000	ng	# 0.00
76) Chrysene-d12	21.637	240	177692	20.000	ng	# 0.00
86) Perylene-d12	24.845	264	196626	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.568	112	98363	94.254	ng	0.00
7) Phenol-d6	7.172	99	134727	94.216	ng	0.00
23) Nitrobenzene-d5	9.152	82	85142	54.500	ng	-0.01
42) 2,4,6-Tribromophenol	16.114	330	120926	87.690	ng	-0.01
45) 2-Fluorobiphenyl	13.247	172	248705	53.418	ng	-0.01
79) Terphenyl-d14	19.975	244	494118	55.165	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.687	154	19697	5.821	ng	98
55) Dibenzofuran	15.022	168	22448	3.729	ng	94
58) Fluorene	15.668	166	29275	5.914	ng	93
71) Phenanthrene	17.413	178	665976	81.551	ng	97
72) Anthracene	17.501	178	105051	13.109	ng	99
73) Carbazole	17.771	167	64487	9.774	ng	98
75) Fluoranthene	19.428	202	1007007	90.459	ng	93
78) Pyrene	19.787	202	862680	84.611	ng	95
81) Benzo(a)anthracene	21.620	228	598727	53.080	ng	96
83) Chrysene	21.684	228	610689m	57.305	ng	
87) Indeno(1,2,3-cd)pyrene	28.523	276	385879	25.797	ng	99
88) Benzo(b)fluoranthene	23.835	252	790659	67.995	ng	# 97
89) Benzo(k)fluoranthene	23.888	252	225967m	19.526	ng	
90) Benzo(a)pyrene	24.698	252	566363m	57.032	ng	
91) Dibenzo(a,h)anthracene	28.547	278	128524	10.449	ng	# 94
92) Benzo(g,h,i)perylene	29.669	276	391170	32.222	ng	# 92

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

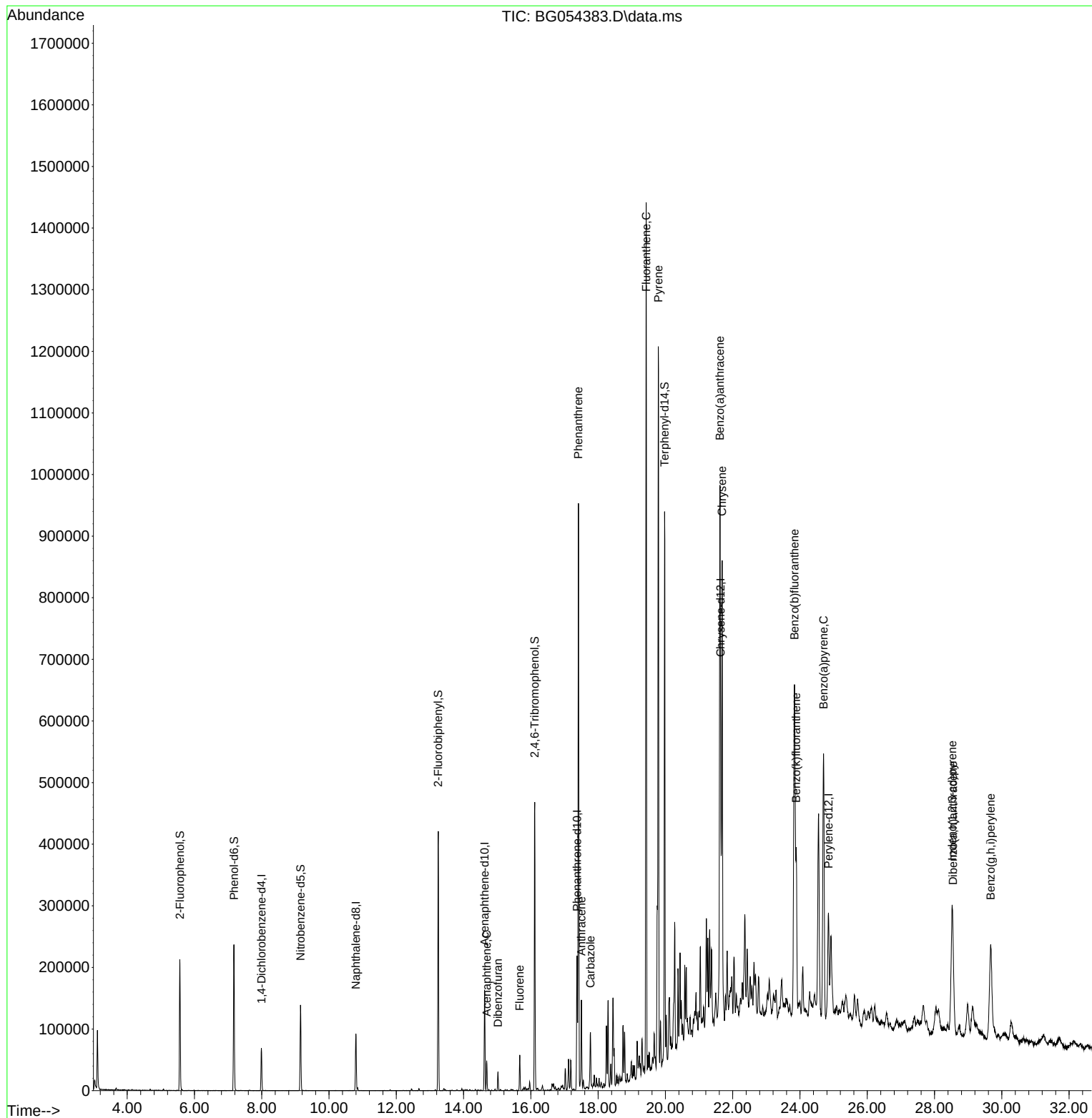
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072522\
Data File : BG054383.D
Acq On : 25 Jul 2022 17:16
Operator : CG/JU
Sample : N3854-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

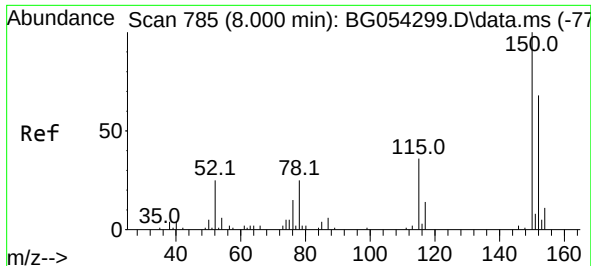
Instrument :
BNA_G
ClientSampleId :
MH-189E

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 07/26/2022
Supervised By : Jagrut Upadhyay 07/26/2022

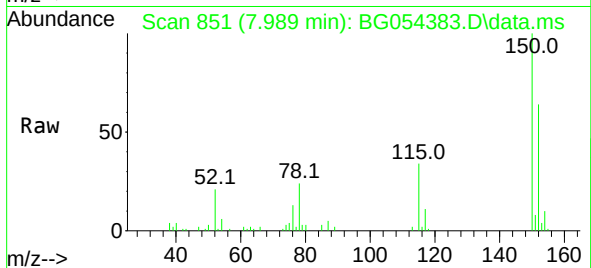
Quant Time: Jul 26 00:55:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.989 min Scan# 81
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

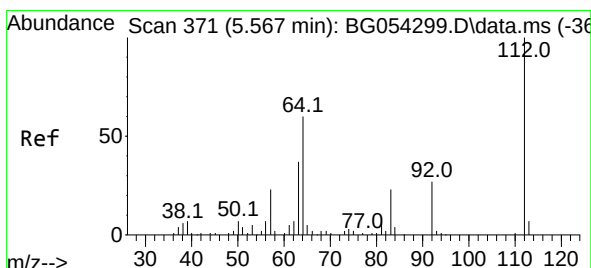
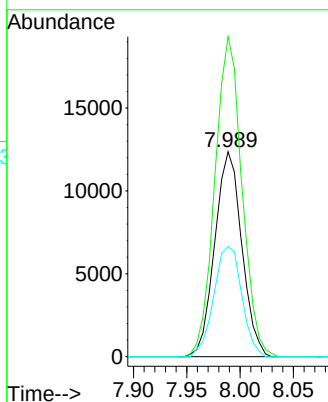
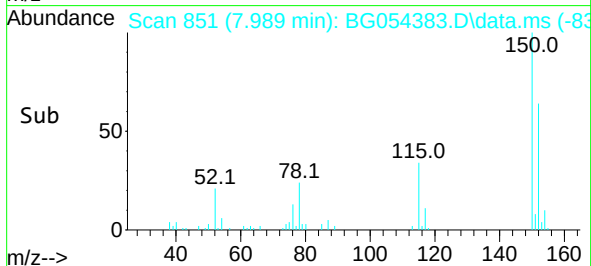
Instrument :
BNA_G
ClientSampleId :
MH-189E



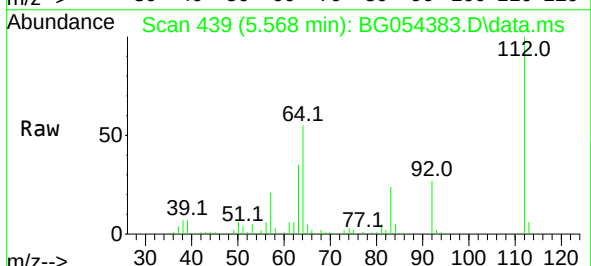
Tgt Ion:152 Resp: 21789
Ion Ratio Lower Upper
152 100
150 156.2 131.6 197.4
115 53.8 50.9 76.3

Manual Integrations
APPROVED

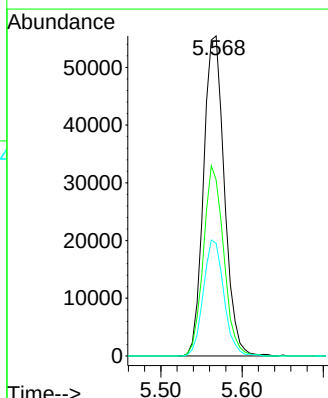
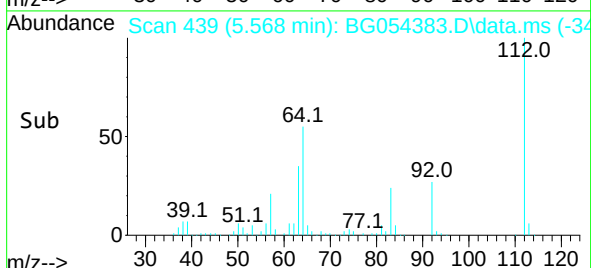
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

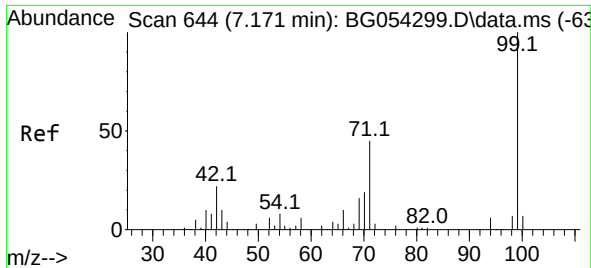


#5
2-Fluorophenol
Concen: 94.254 ng
RT: 5.568 min Scan# 439
Delta R.T. 0.001 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16



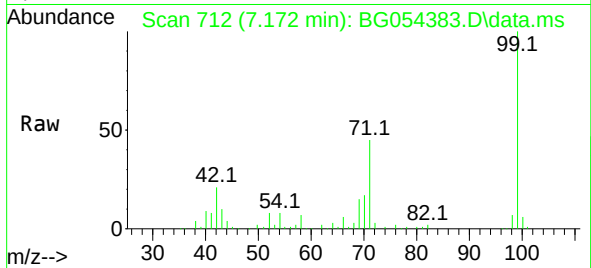
Tgt Ion:112 Resp: 98363
Ion Ratio Lower Upper
112 100
64 55.1 55.1 82.7#
63 35.2 30.4 45.6





#7
Phenol-d6
Concen: 94.216 ng
RT: 7.172 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

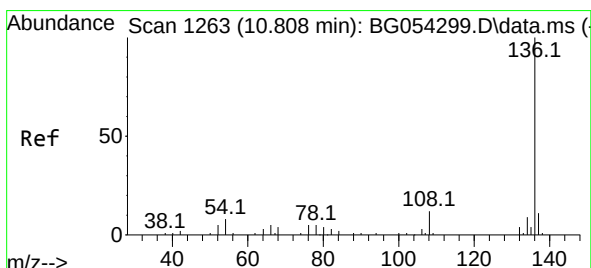
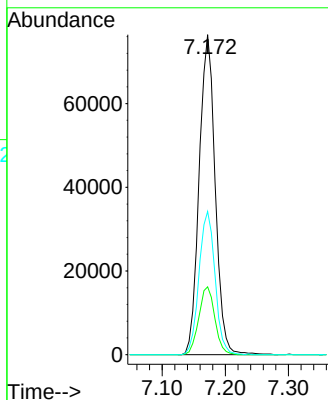
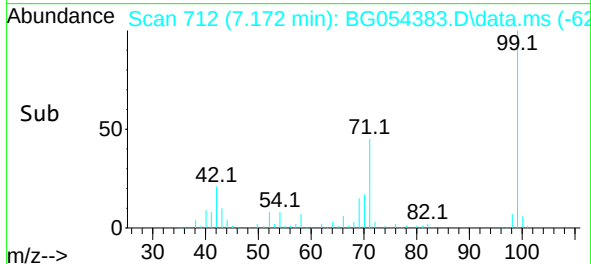
Instrument :
BNA_G
ClientSampleId :
MH-189E



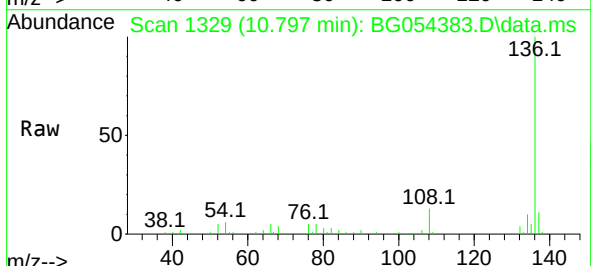
Tgt Ion: 99 Resp: 13472
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 44.8 33.8 50.8

Manual Integrations
APPROVED

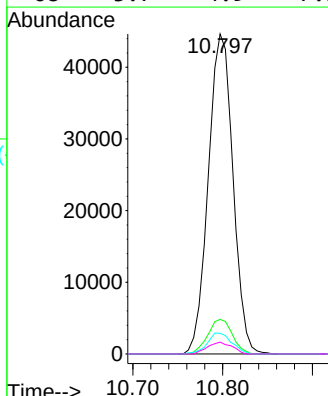
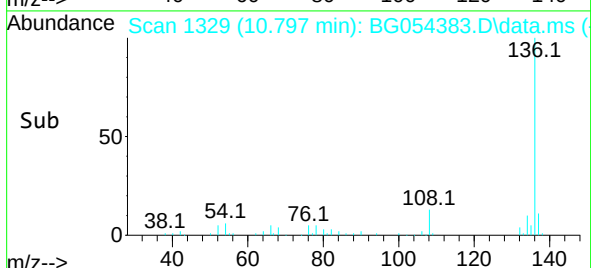
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

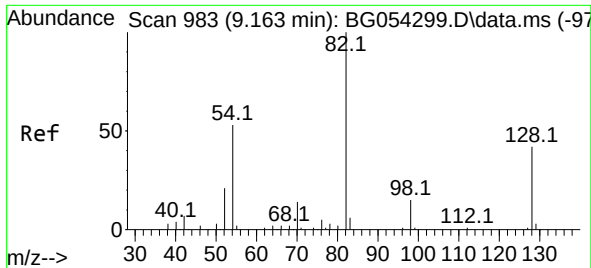


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1329
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16



Tgt Ion:136 Resp: 85075
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 6.5 7.4 11.2#
68 3.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 54.500 ng
RT: 9.152 min Scan# 1049
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

Instrument :

BNA_G

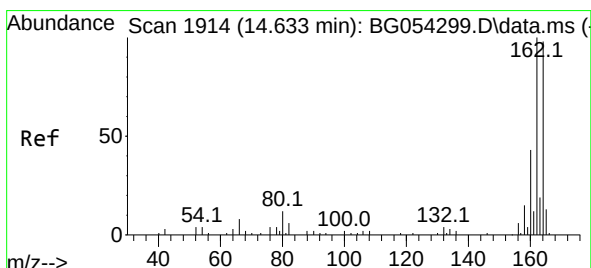
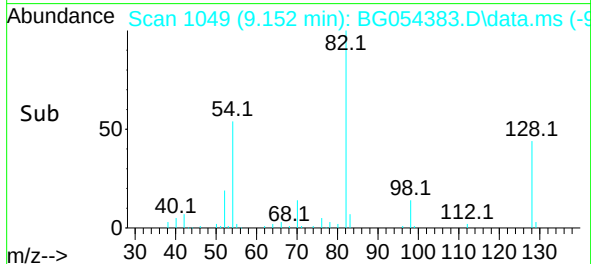
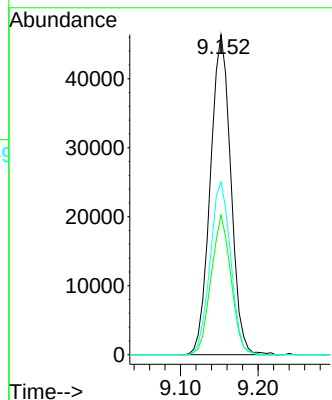
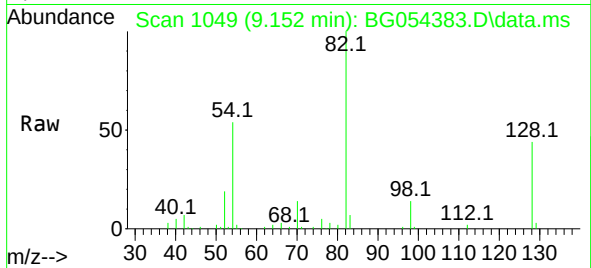
ClientSampleId :

MH-189E

Tgt Ion: 82 Resp: 8514
Ion Ratio Lower Upper
82 100
128 43.6 27.9 41.9
54 53.9 41.2 61.8

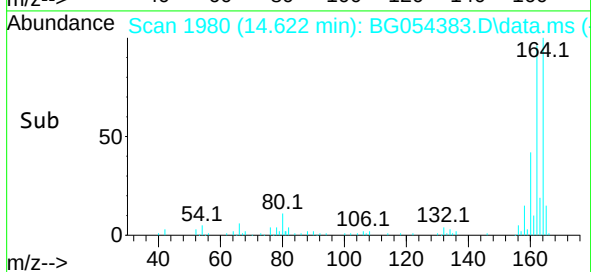
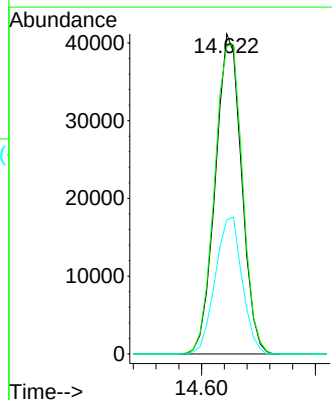
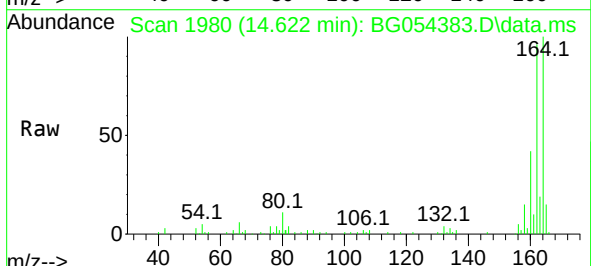
Manual Integrations
APPROVED

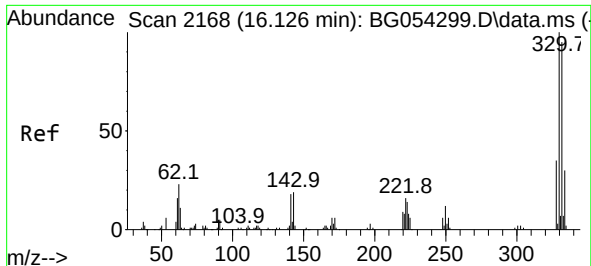
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.622 min Scan# 1980
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

Tgt Ion:164 Resp: 65679
Ion Ratio Lower Upper
164 100
162 96.2 82.3 123.5
160 42.0 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 87.690 ng
RT: 16.114 min Scan# 2168
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

Instrument :

BNA_G

ClientSampleId :

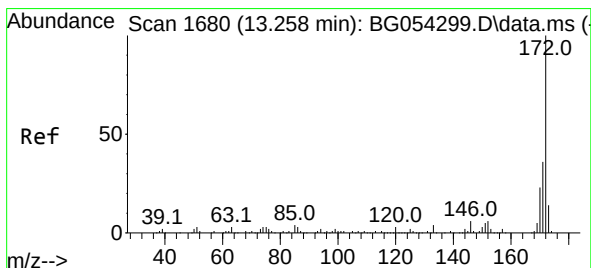
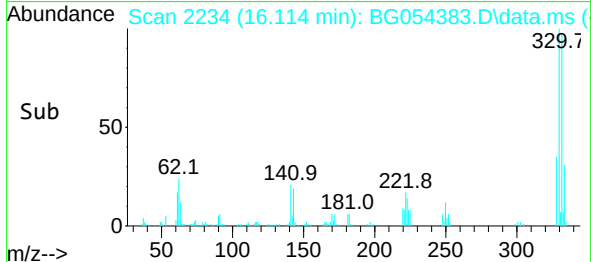
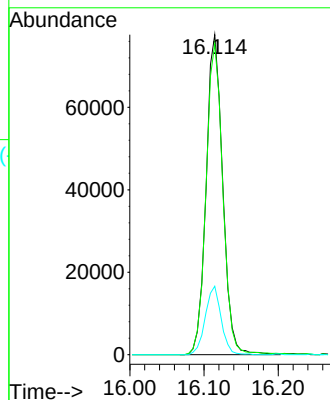
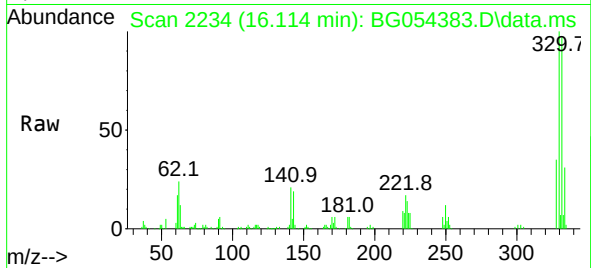
MH-189E

Tgt Ion:330 Resp: 120920
Ion Ratio Lower Upper
330 100
332 98.4 76.0 114.0
141 20.5 27.1 40.7

Manual Integrations

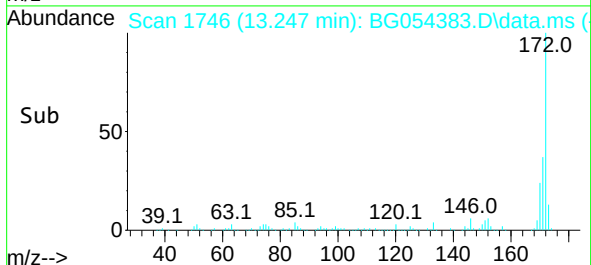
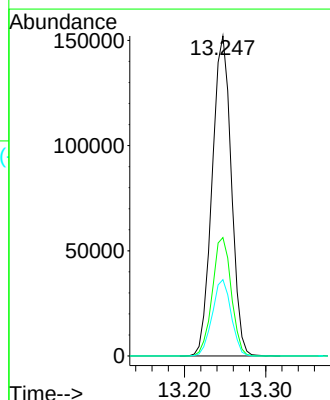
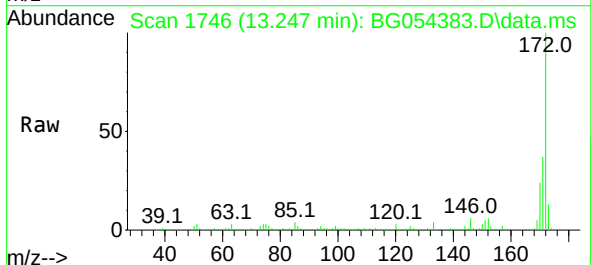
APPROVED

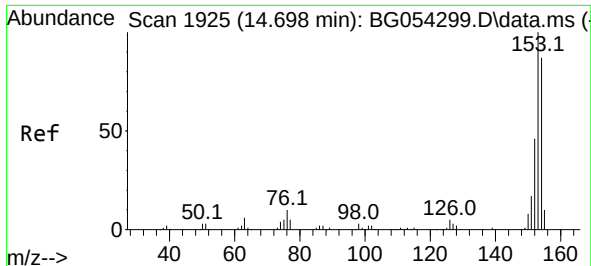
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#45
2-Fluorobiphenyl
Concen: 53.418 ng
RT: 13.247 min Scan# 1746
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

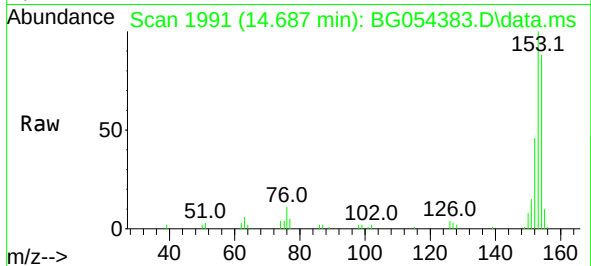
Tgt Ion:172 Resp: 248705
Ion Ratio Lower Upper
172 100
171 37.0 28.5 42.7
170 23.8 18.9 28.3





#52
Acenaphthene
Concen: 5.821 ng
RT: 14.687 min Scan# 1925
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

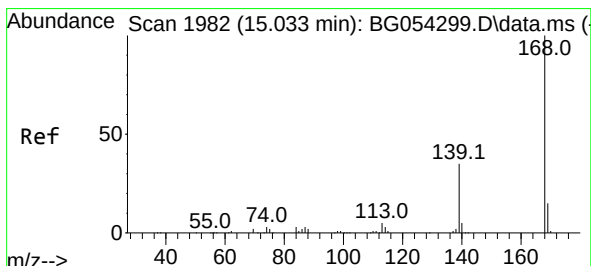
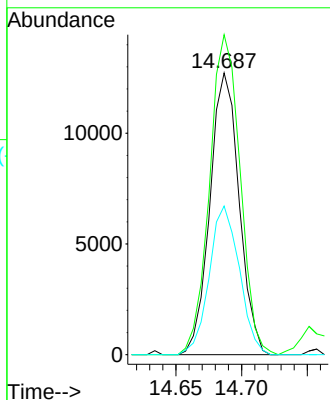
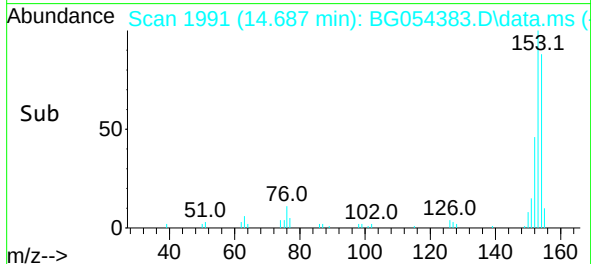
Instrument :
BNA_G
ClientSampleId :
MH-189E



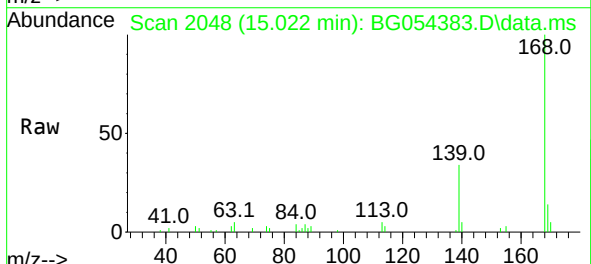
Tgt Ion:154 Resp: 1969
Ion Ratio Lower Upper
154 100
153 113.6 92.7 139.1
152 52.8 42.6 64.0

Manual Integrations
APPROVED

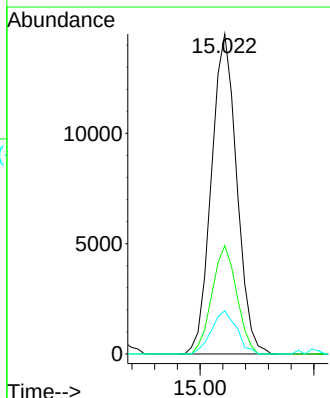
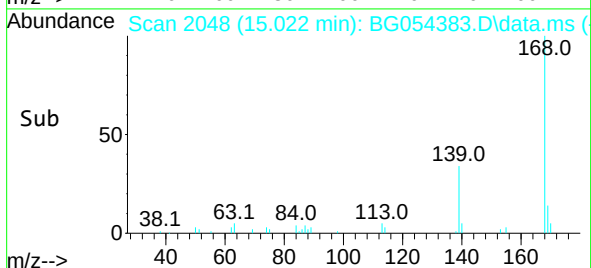
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

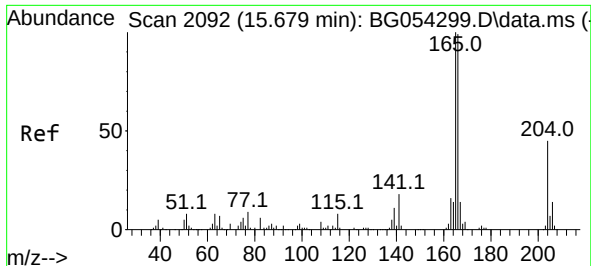


#55
Dibenzofuran
Concen: 3.729 ng
RT: 15.022 min Scan# 2048
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16



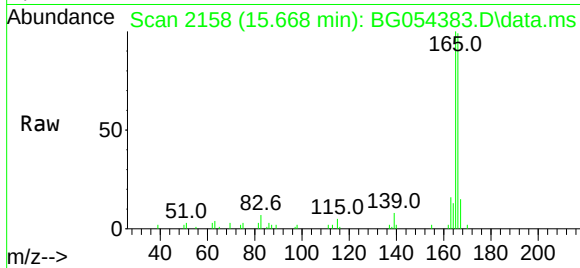
Tgt Ion:168 Resp: 22448
Ion Ratio Lower Upper
168 100
139 33.9 30.5 45.7
169 13.6 10.3 15.5





#58
Fluorene
Concen: 5.914 ng
RT: 15.668 min Scan# 2158
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

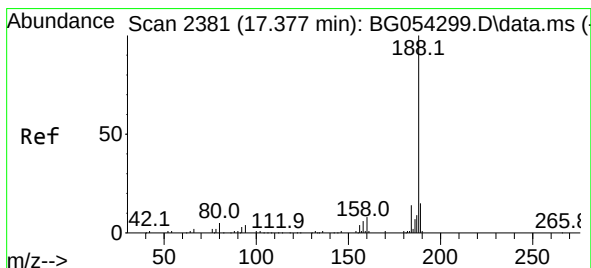
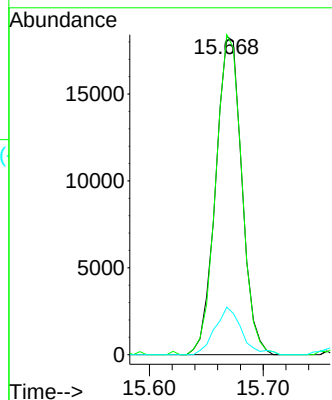
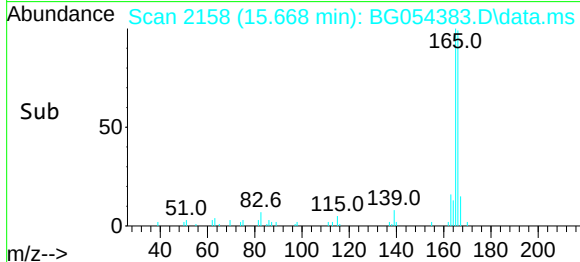
Instrument :
BNA_G
ClientSampleId :
MH-189E



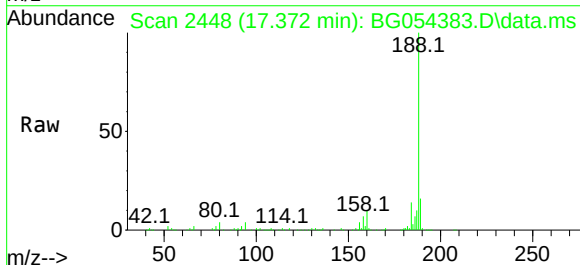
Tgt Ion:166 Resp: 2927
Ion Ratio Lower Upper
166 100
165 100.5 75.0 112.6
167 14.9 10.8 16.2

Manual Integrations
APPROVED

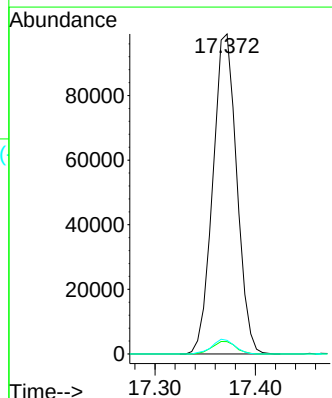
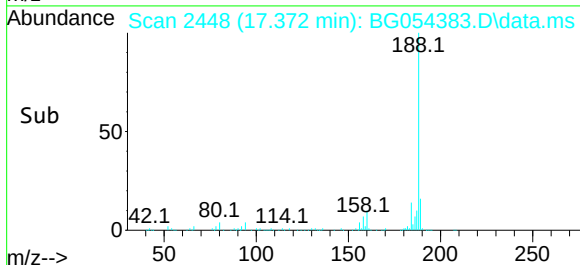
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

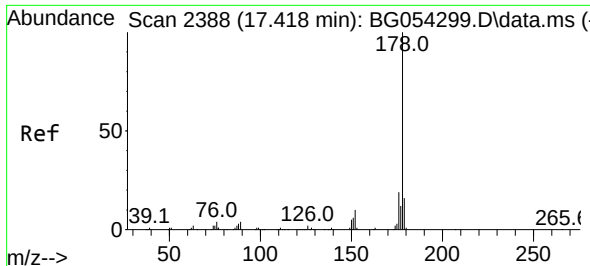


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.372 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16



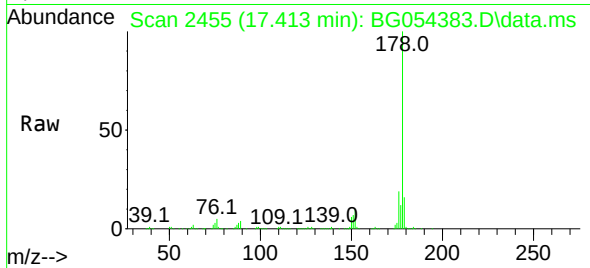
Tgt Ion:188 Resp: 163986
Ion Ratio Lower Upper
188 100
94 3.8 5.4 8.0#
80 4.2 6.8 10.2#





#71
Phenanthrene
Concen: 81.551 ng
RT: 17.413 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

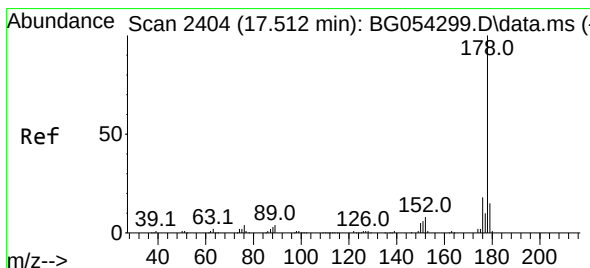
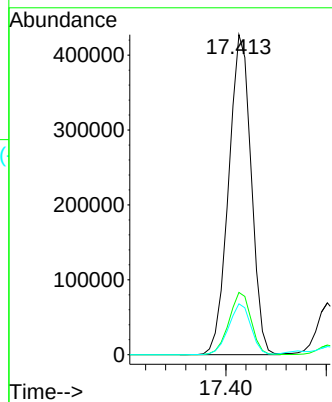
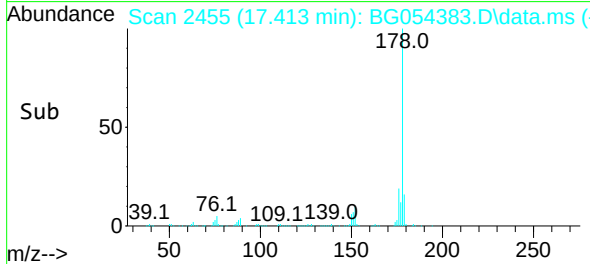
Instrument :
BNA_G
ClientSampleId :
MH-189E



Tgt Ion:178 Resp: 665970
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 15.9 12.1 18.1

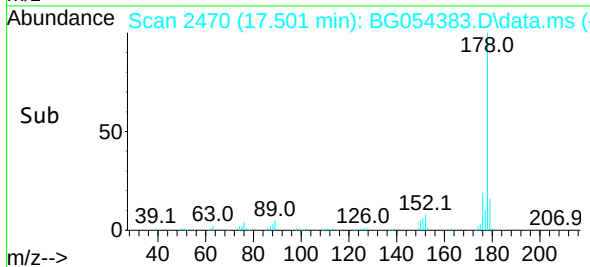
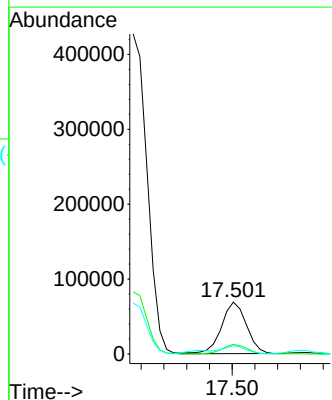
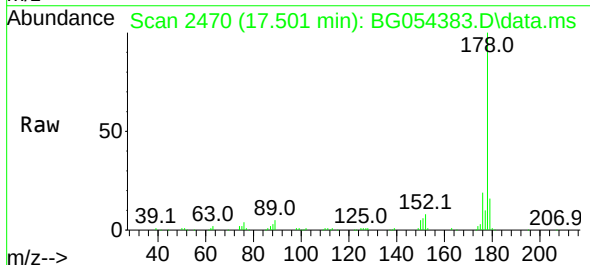
Manual Integrations
APPROVED

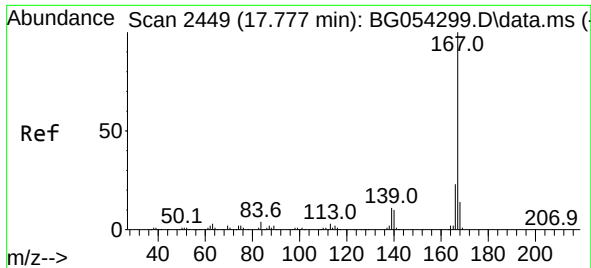
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#72
Anthracene
Concen: 13.109 ng
RT: 17.501 min Scan# 2470
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

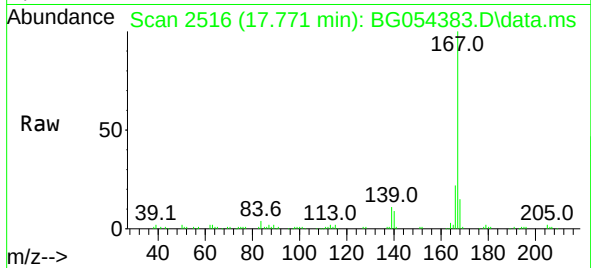
Tgt Ion:178 Resp: 105051
Ion Ratio Lower Upper
178 100
176 18.6 15.2 22.8
179 15.7 13.0 19.4





#73
 Carbazole
 Concen: 9.774 ng
 RT: 17.771 min Scan# 20
 Delta R.T. -0.005 min
 Lab File: BG054383.D
 Acq: 25 Jul 2022 17:16

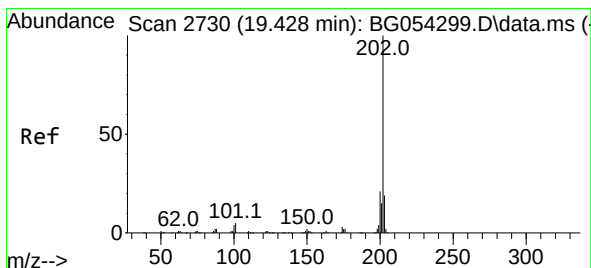
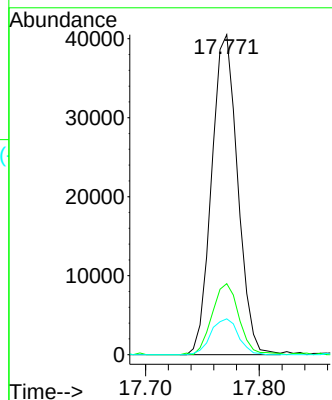
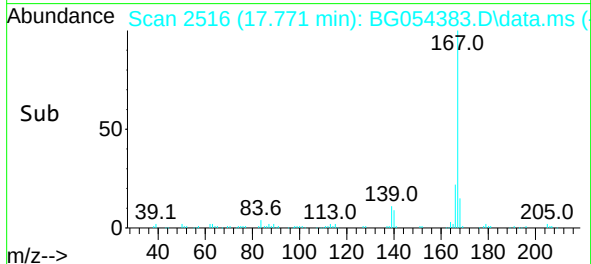
Instrument :
 BNA_G
 ClientSampleId :
 MH-189E



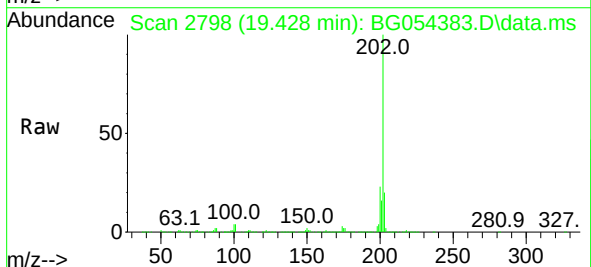
Tgt Ion:167 Resp: 6448
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.2 27.2
 139 11.2 10.1 15.1

Manual Integrations
 APPROVED

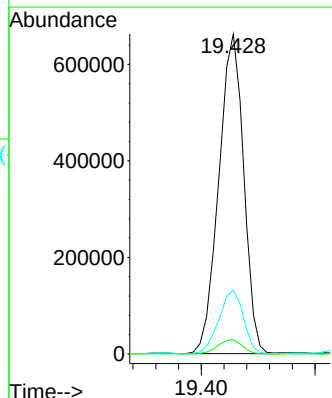
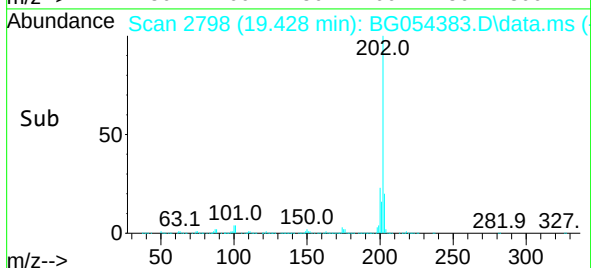
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

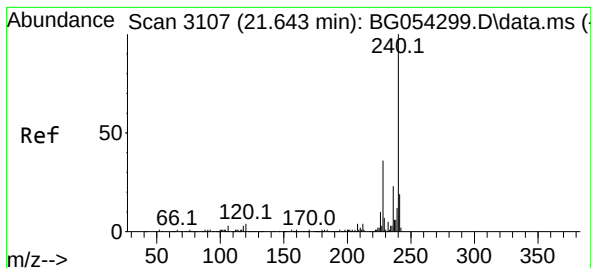


#75
 Fluoranthene
 Concen: 90.459 ng
 RT: 19.428 min Scan# 2798
 Delta R.T. 0.001 min
 Lab File: BG054383.D
 Acq: 25 Jul 2022 17:16



Tgt Ion:202 Resp: 1007007
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 26.9
 203 19.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.637 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BG054383.D

Acq: 25 Jul 2022 17:16

Instrument :

BNA_G

ClientSampleId :

MH-189E

Tgt Ion:240 Resp: 177692

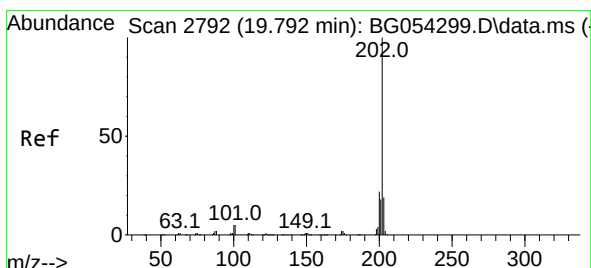
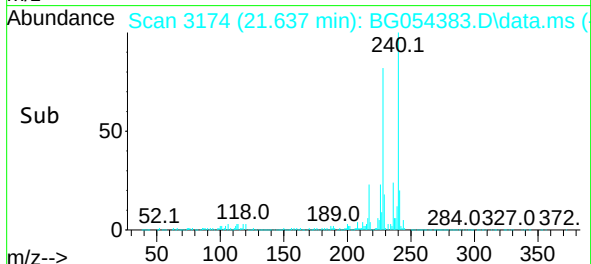
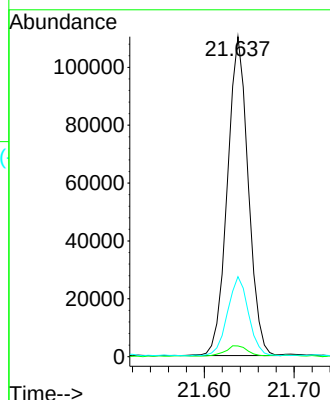
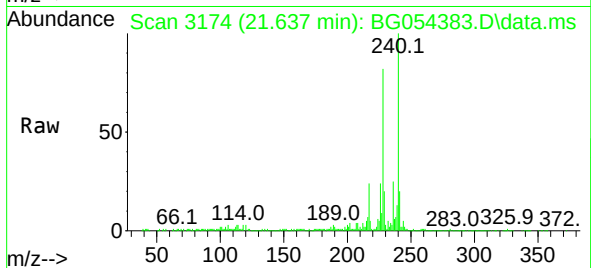
Ion	Ratio	Lower	Upper
240	100		
120	3.3	4.6	7.0
236	25.0	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/26/2022

Supervised By :Jagrut Upadhyay 07/26/2022



#78

Pyrene

Concen: 84.611 ng

RT: 19.787 min Scan# 2859

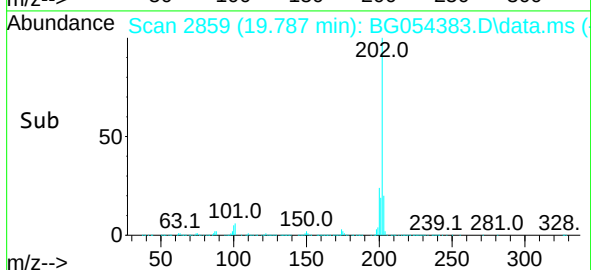
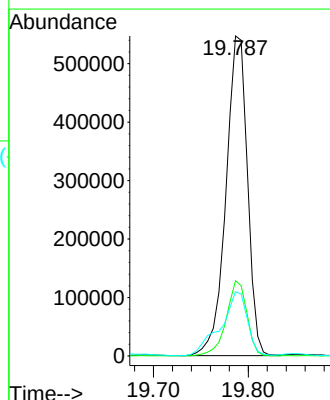
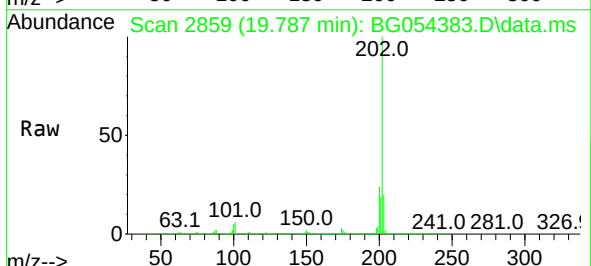
Delta R.T. -0.005 min

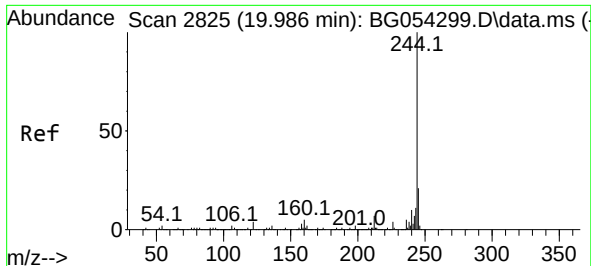
Lab File: BG054383.D

Acq: 25 Jul 2022 17:16

Tgt Ion:202 Resp: 862680

Ion	Ratio	Lower	Upper
202	100		
200	23.5	16.6	24.8
203	20.1	14.6	21.8





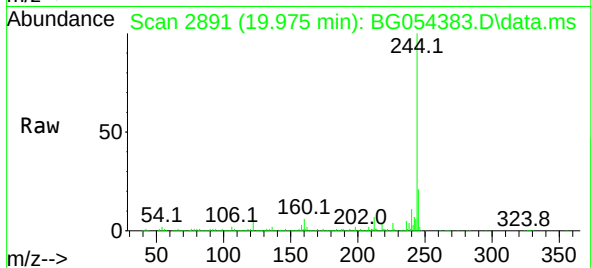
#79
 Terphenyl-d14
 Concen: 55.165 ng
 RT: 19.975 min Scan# 2825
 Delta R.T. -0.011 min
 Lab File: BG054383.D
 Acq: 25 Jul 2022 17:16

Instrument :

BNA_G

ClientSampleId :

MH-189E

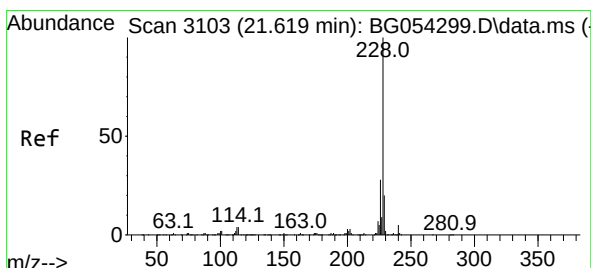
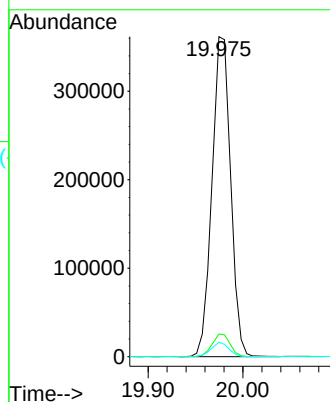
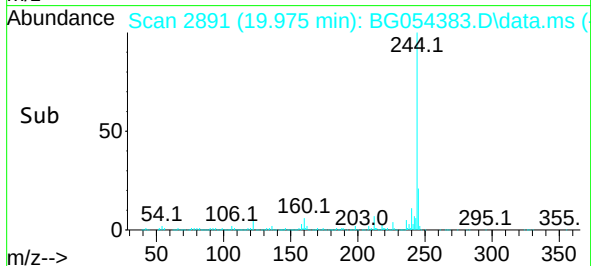


Tgt Ion:244 Resp: 494118
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 4.5 5.0 7.4

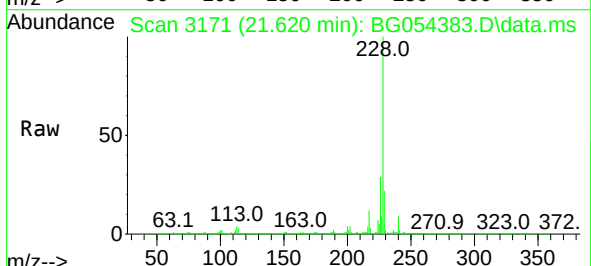
Manual Integrations

APPROVED

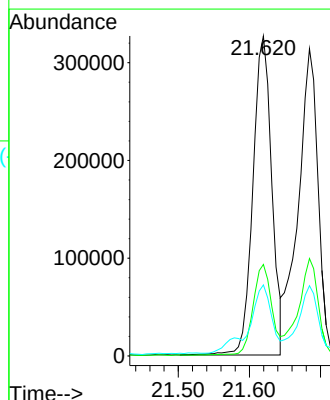
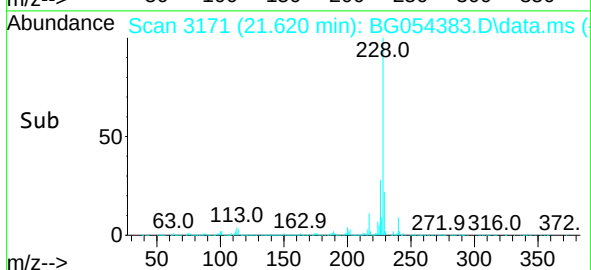
Reviewed By :Christian Giraldo 07/26/2022
 Supervised By :Jagrut Upadhyay 07/26/2022

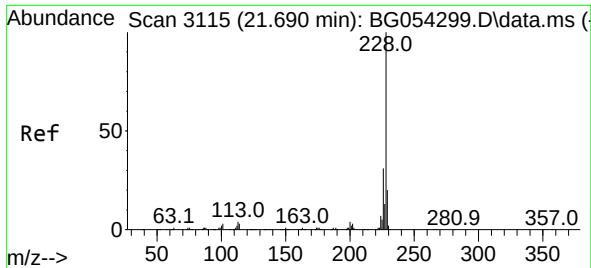


#81
 Benzo(a)anthracene
 Concen: 53.080 ng
 RT: 21.620 min Scan# 3171
 Delta R.T. 0.001 min
 Lab File: BG054383.D
 Acq: 25 Jul 2022 17:16



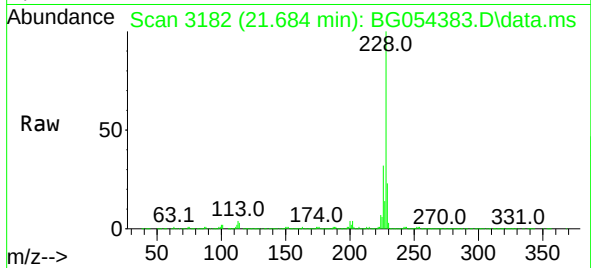
Tgt Ion:228 Resp: 598727
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 22.2 16.2 24.2





#83
Chrysene
Concen: 57.305 ng m
RT: 21.684 min Scan# 3115
Delta R.T. -0.005 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

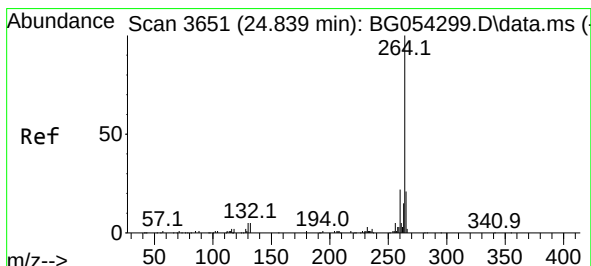
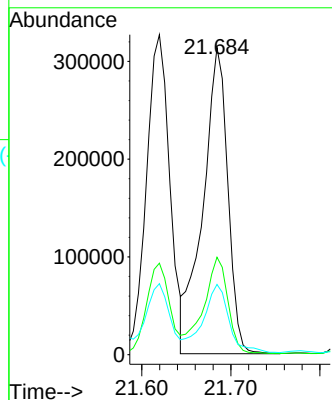
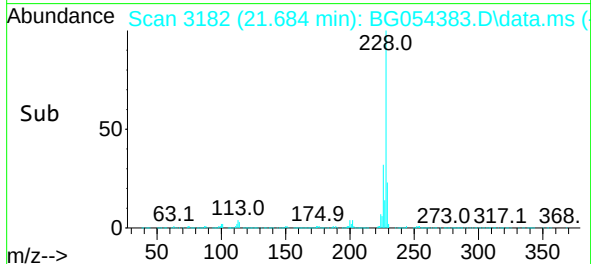
Instrument :
BNA_G
ClientSampleId :
MH-189E



Tgt Ion:228 Resp: 610689
Ion Ratio Lower Upper
228 100
226 31.7 23.4 35.2
229 22.9 15.5 23.3

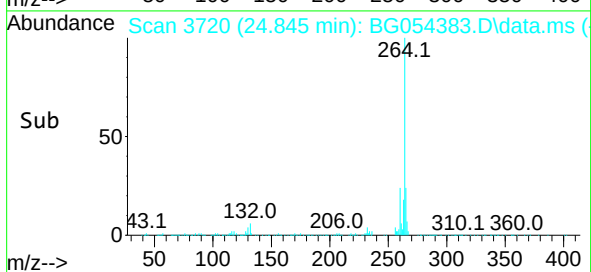
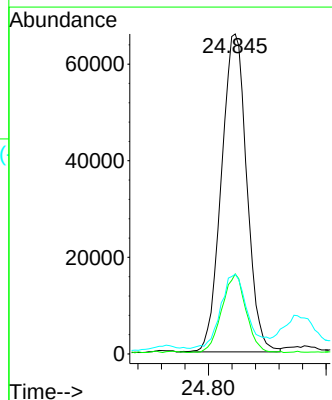
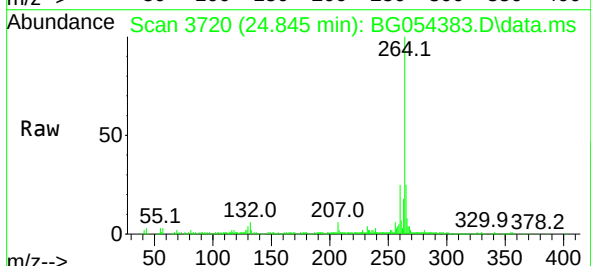
Manual Integrations
APPROVED

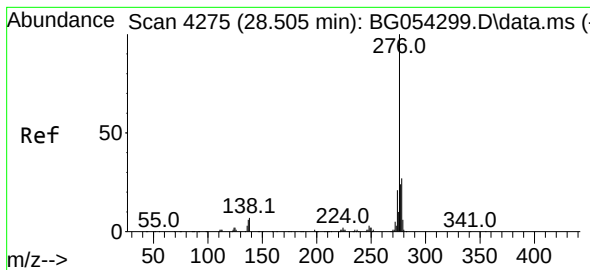
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.845 min Scan# 3720
Delta R.T. 0.006 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

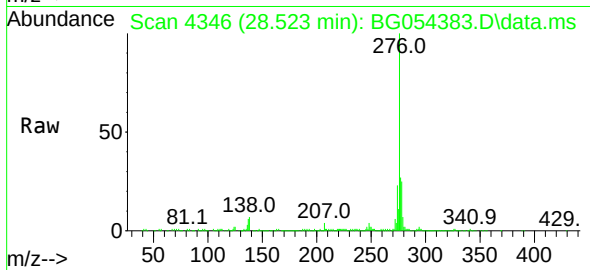
Tgt Ion:264 Resp: 196626
Ion Ratio Lower Upper
264 100
260 25.0 19.0 28.6
265 24.9 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 25.797 ng
RT: 28.523 min Scan# 41
Delta R.T. 0.018 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

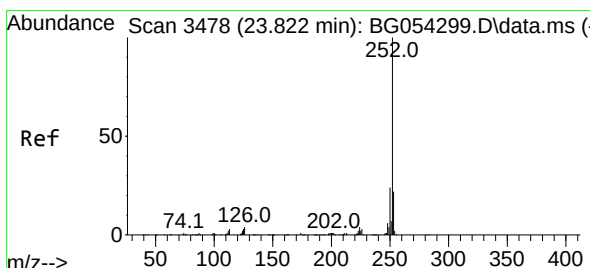
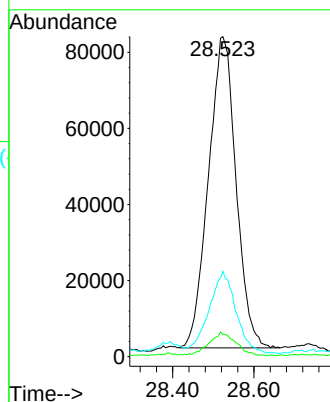
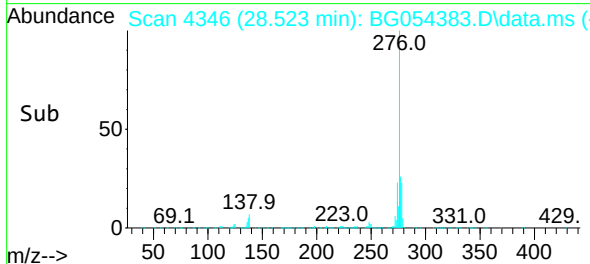
Instrument :
BNA_G
ClientSampleId :
MH-189E



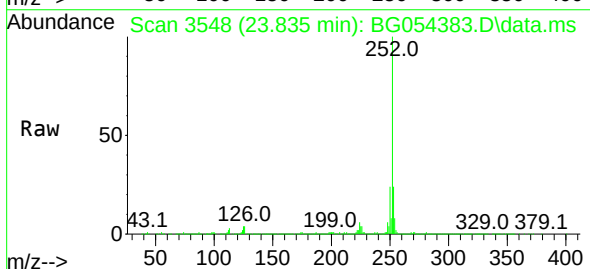
Tgt Ion:276 Resp: 385879
Ion Ratio Lower Upper
276 100
138 7.3 5.0 7.4
277 25.4 20.3 30.5

Manual Integrations
APPROVED

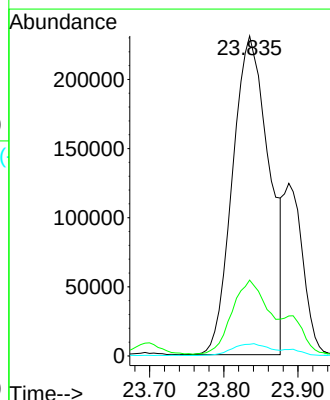
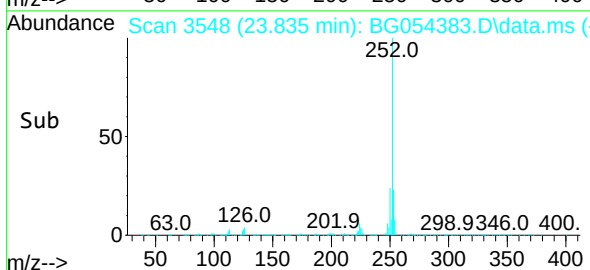
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022

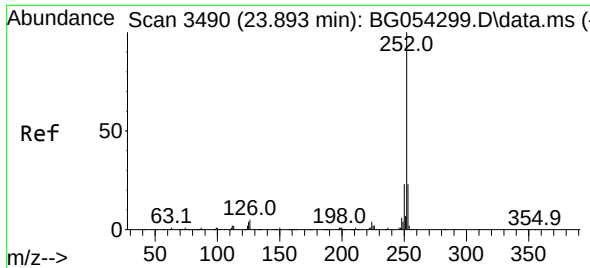


#88
Benzo(b)fluoranthene
Concen: 67.995 ng
RT: 23.835 min Scan# 3548
Delta R.T. 0.012 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16



Tgt Ion:252 Resp: 790659
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 3.7 4.6 6.8#





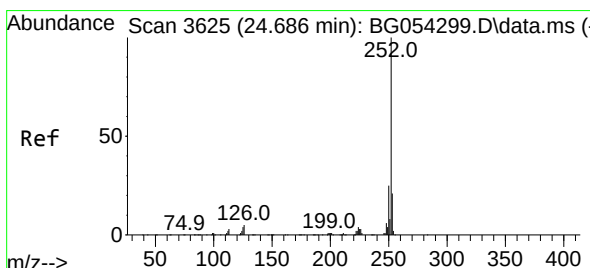
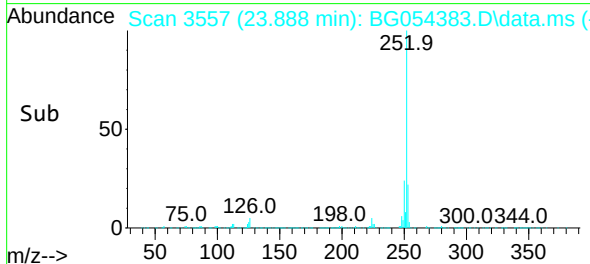
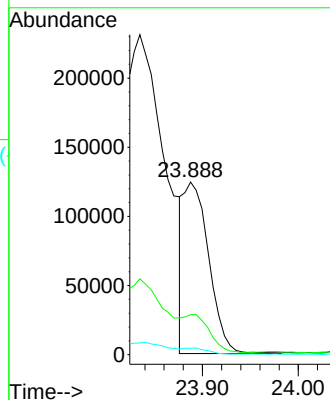
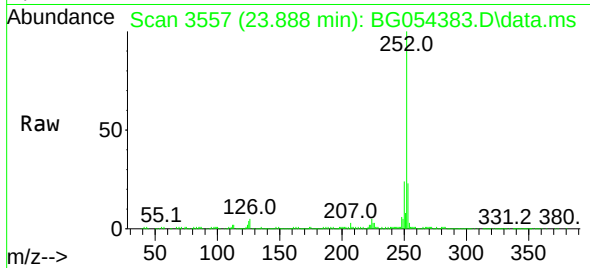
#89
Benzo(k)fluoranthene
Concen: 19.526 ng m
RT: 23.888 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

Instrument :
BNA_G
ClientSampleId :
MH-189E

Tgt Ion:252 Resp: 22596
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 3.7 4.8 7.2

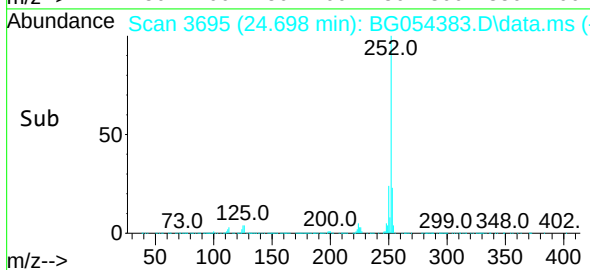
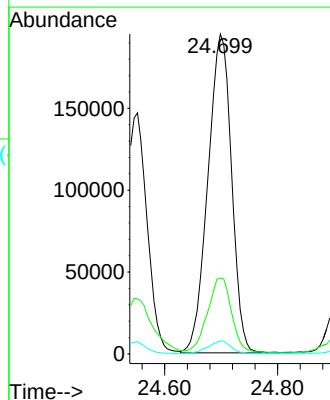
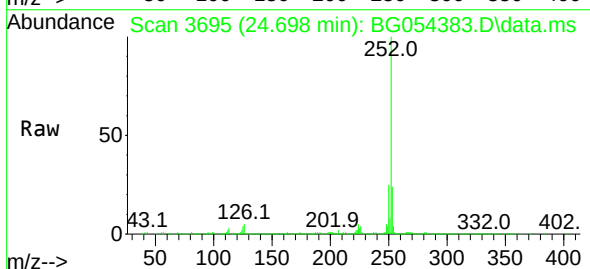
Manual Integrations
APPROVED

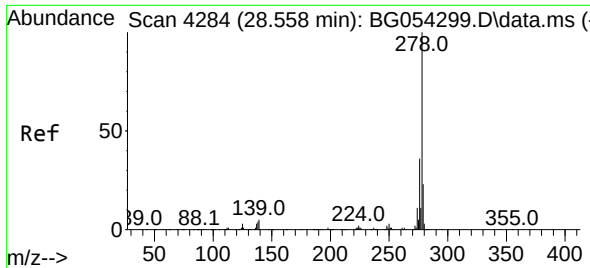
Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#90
Benzo(a)pyrene
Concen: 57.032 ng m
RT: 24.698 min Scan# 3695
Delta R.T. 0.012 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

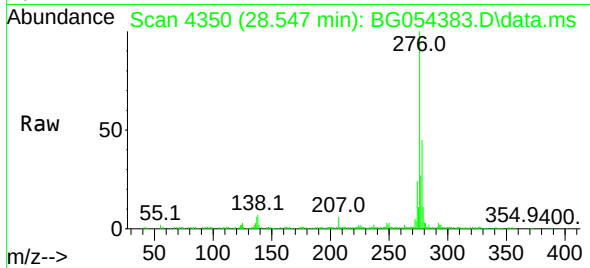
Tgt Ion:252 Resp: 566363
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.0 4.3 6.5





#91
Dibenzo(a,h)anthracene
Concen: 10.449 ng
RT: 28.547 min Scan# 41
Delta R.T. -0.011 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16

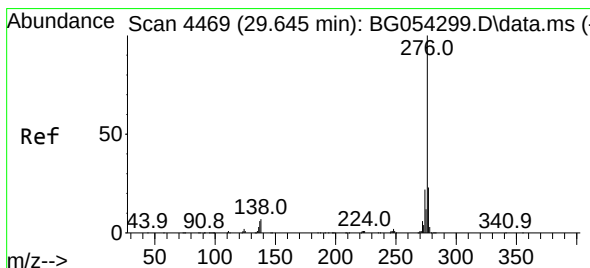
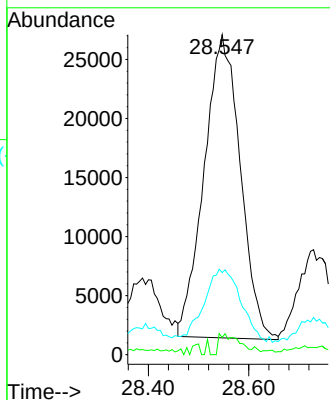
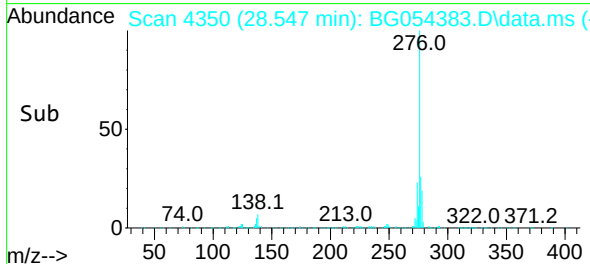
Instrument :
BNA_G
ClientSampleId :
MH-189E



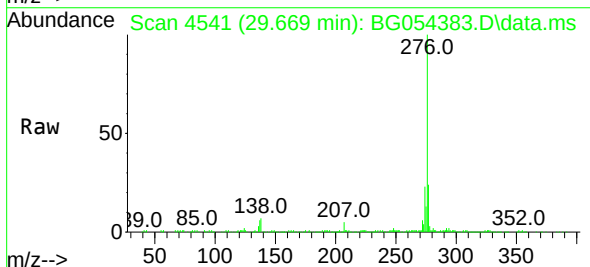
Tgt Ion:278 Resp: 128524
Ion Ratio Lower Upper
278 100
139 5.4 7.2 10.8
279 25.7 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/26/2022
Supervised By :Jagrut Upadhyay 07/26/2022



#92
Benzo(g,h,i)perylene
Concen: 32.222 ng
RT: 29.669 min Scan# 4541
Delta R.T. 0.024 min
Lab File: BG054383.D
Acq: 25 Jul 2022 17:16



Tgt Ion:276 Resp: 391170
Ion Ratio Lower Upper
276 100
277 24.3 17.3 25.9
138 7.2 9.6 14.4

