

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054127.D
 Acq On : 28 Jun 2022 21:28
 Operator : CG/JU
 Sample : N3488-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-12-0-2-20220623

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/29/2022
 Supervised By : Jagrut Upadhyay 06/29/2022

Quant Time: Jun 29 01:59:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.073	152	27917	20.000	ng	0.00
21) Naphthalene-d8	10.881	136	114908	20.000	ng	# 0.00
39) Acenaphthene-d10	14.700	164	80521	20.000	ng	0.00
64) Phenanthrene-d10	17.444	188	182741	20.000	ng	# 0.00
76) Chrysene-d12	21.721	240	176968	20.000	ng	0.00
86) Perylene-d12	24.982	264	187366	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	126661	86.744	ng	0.00
7) Phenol-d6	7.232	99	174587	88.139	ng	0.00
23) Nitrobenzene-d5	9.230	82	116363	56.908	ng	0.00
42) 2,4,6-Tribromophenol	16.181	330	92626	71.597	ng	0.00
45) 2-Fluorobiphenyl	13.319	172	320290	57.841	ng	0.00
79) Terphenyl-d14	20.047	244	542023	61.688	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.934	128	20271	3.494	ng	97
52) Acenaphthene	14.759	154	17981	3.997	ng	98
55) Dibenzofuran	15.094	168	16174	2.231	ng	# 90
58) Fluorene	15.740	166	18432	3.097	ng	88
71) Phenanthrene	17.485	178	295206	31.443	ng	97
72) Anthracene	17.573	178	74859	8.165	ng	98
73) Carbazole	17.838	167	39342	4.999	ng	97
75) Fluoranthene	19.494	202	596273	48.380	ng	97
78) Pyrene	19.859	202	520294	48.678	ng	98
81) Benzo(a)anthracene	21.698	228	374006	32.640	ng	98
83) Chrysene	21.768	228	324342m	29.696	ng	
87) Indeno(1,2,3-cd)pyrene	28.713	276	227312	16.076	ng	# 94
88) Benzo(b)fluoranthene	23.954	252	513279	45.055	ng	99
89) Benzo(k)fluoranthene	24.013	252	165432m	14.667	ng	
90) Benzo(a)pyrene	24.829	252	341783	35.558	ng	# 98
91) Dibenzo(a,h)anthracene	28.748	278	65160	5.573	ng	93
92) Benzo(g,h,i)perylene	29.876	276	215092	18.641	ng	95

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

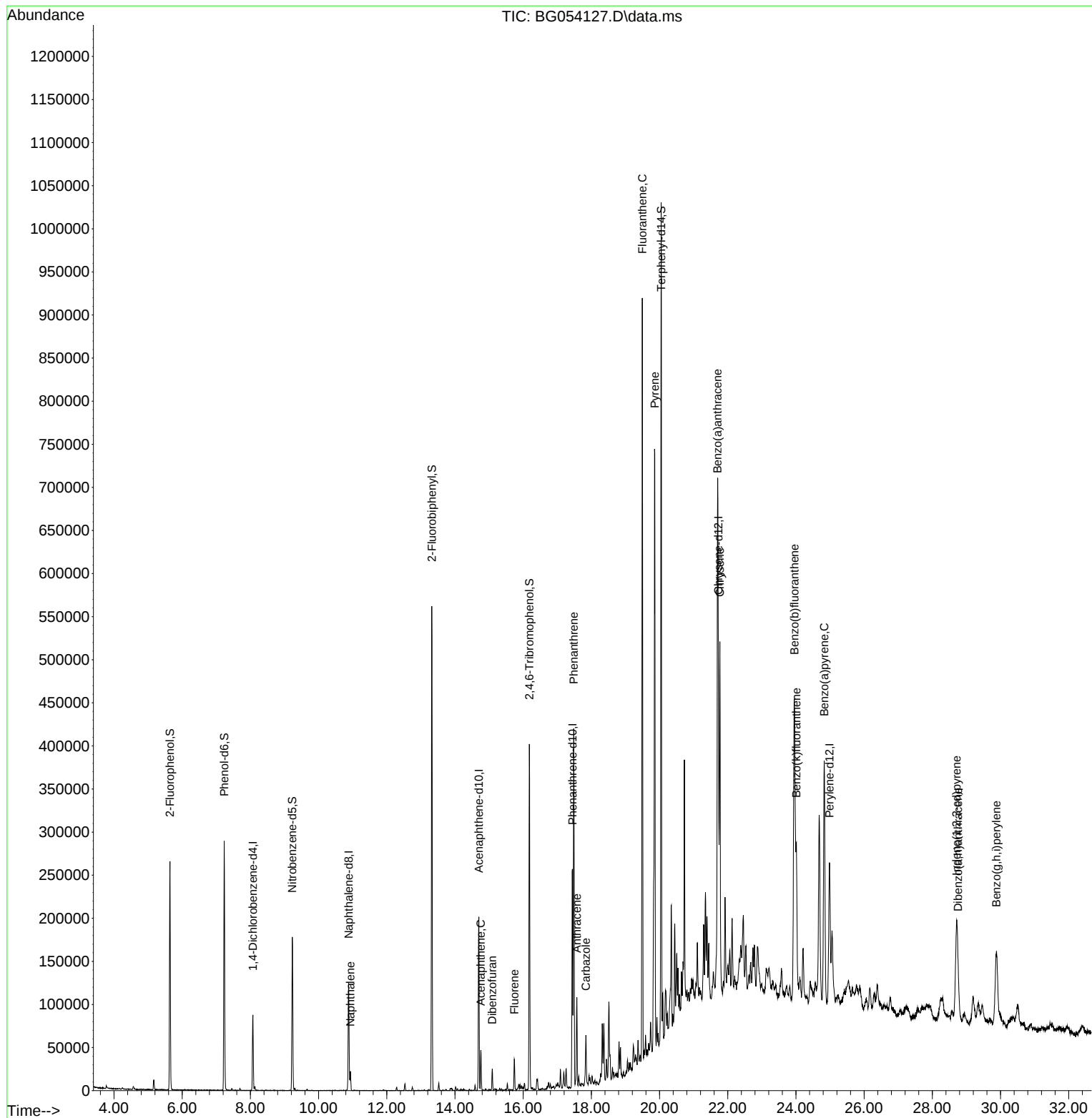
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054127.D
Acq On : 28 Jun 2022 21:28
Operator : CG/JU
Sample : N3488-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623

Quant Time: Jun 29 01:59:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 00:27:54 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

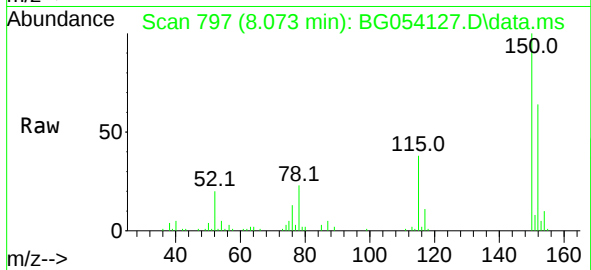
Reviewed By : Christian Giraldo 06/29/2022
Supervised By : Jagrut Upadhyay 06/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.073 min Scan# 79
Delta R.T. 0.003 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

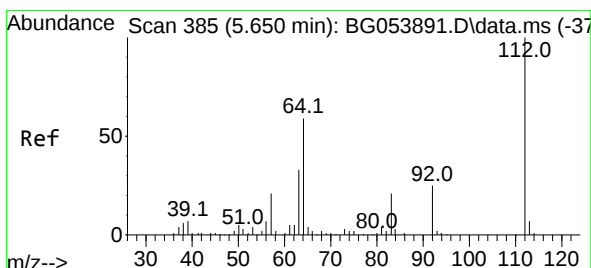
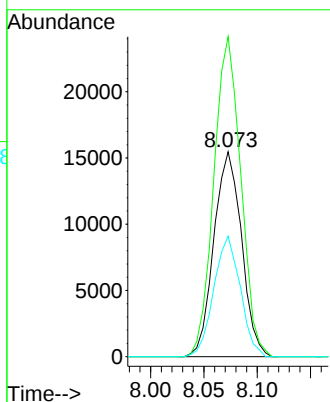
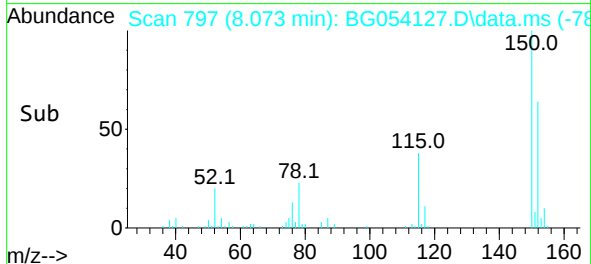
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



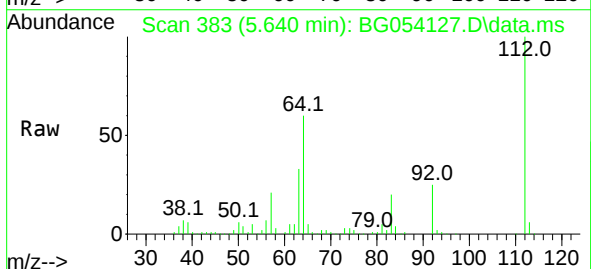
Tgt Ion:152 Resp: 2791
Ion Ratio Lower Upper
152 100
150 156.1 131.6 197.4
115 58.8 50.9 76.3

Manual Integrations
APPROVED

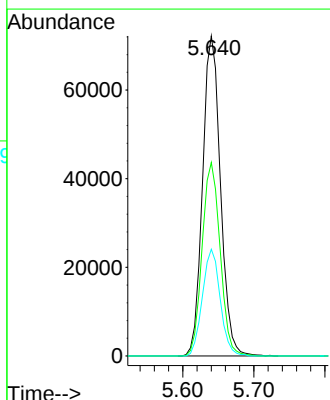
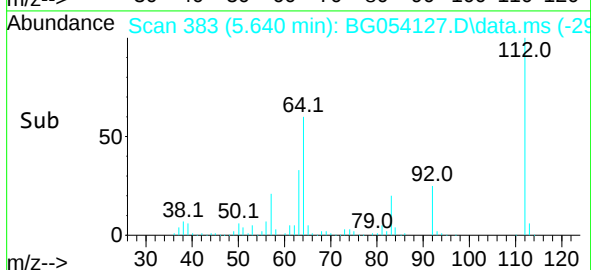
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#5
2-Fluorophenol
Concen: 86.744 ng
RT: 5.640 min Scan# 383
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28



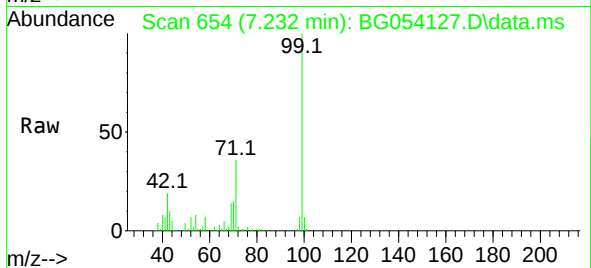
Tgt Ion:112 Resp: 126661
Ion Ratio Lower Upper
112 100
64 60.5 55.1 82.7
63 33.3 30.4 45.6





#7
Phenol-d6
Concen: 88.139 ng
RT: 7.232 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

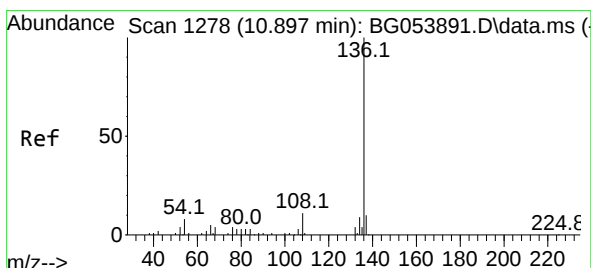
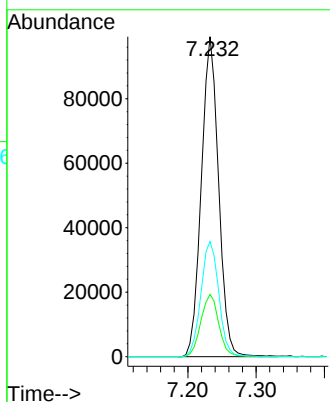
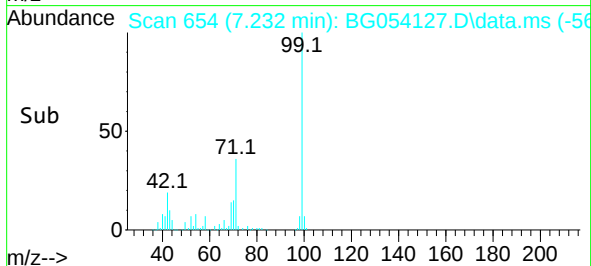
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



Tgt Ion: 99 Resp: 17458
Ion Ratio Lower Upper
99 100
42 19.4 17.0 25.6
71 36.0 33.8 50.8

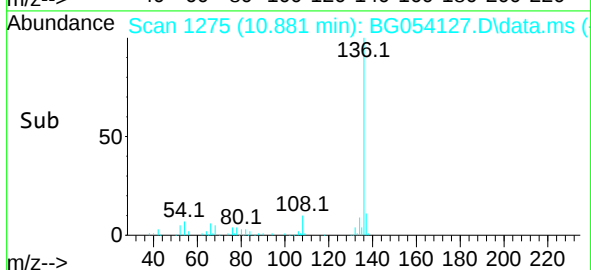
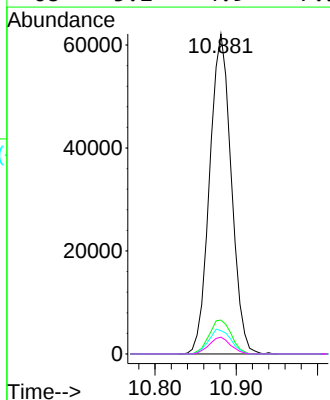
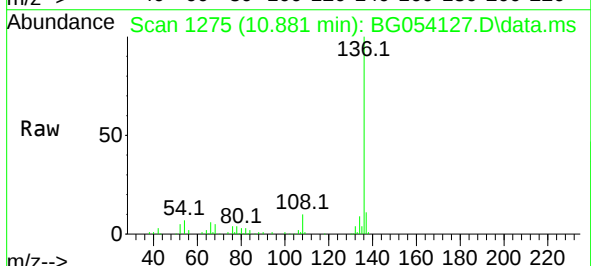
Manual Integrations
APPROVED

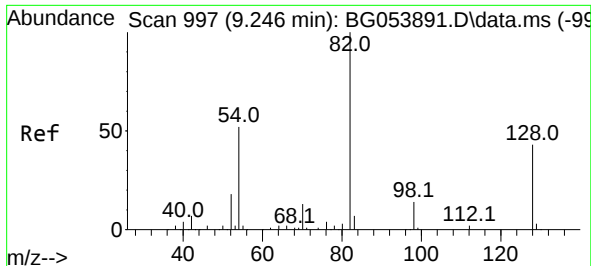
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.881 min Scan# 1275
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Tgt Ion:136 Resp: 114908
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.3 7.4 11.2#
68 5.2 4.9 7.3





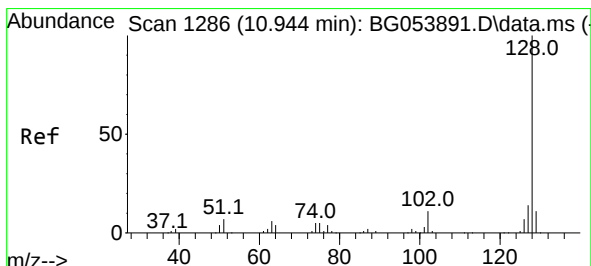
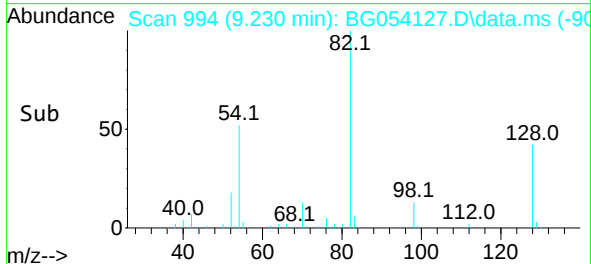
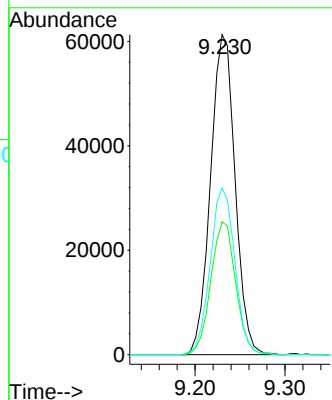
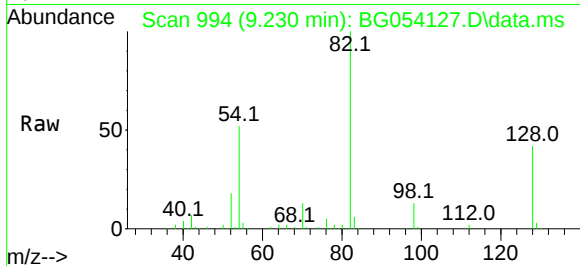
#23
Nitrobenzene-d5
Concen: 56.908 ng
RT: 9.230 min Scan# 997
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623

Tgt Ion: 82 Resp: 11636
Ion Ratio Lower Upper
82 100
128 41.6 27.9 41.9
54 52.1 41.2 61.8

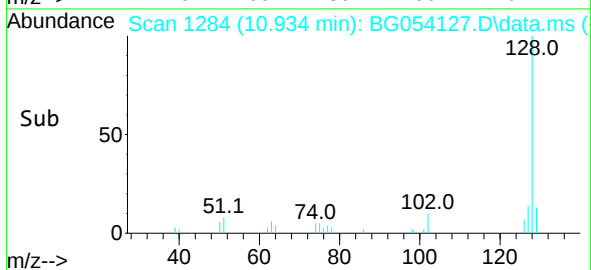
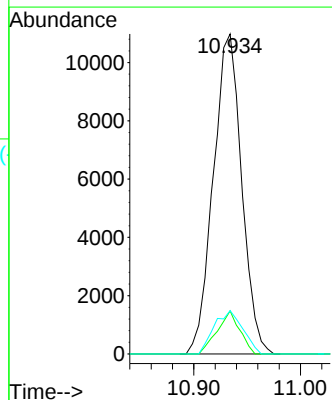
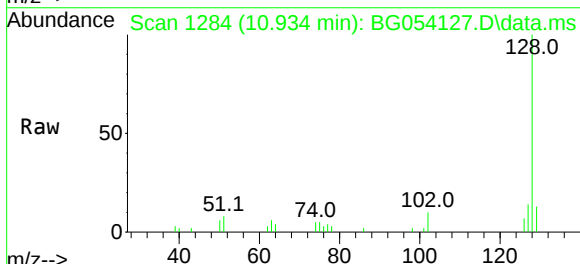
Manual Integrations
APPROVED

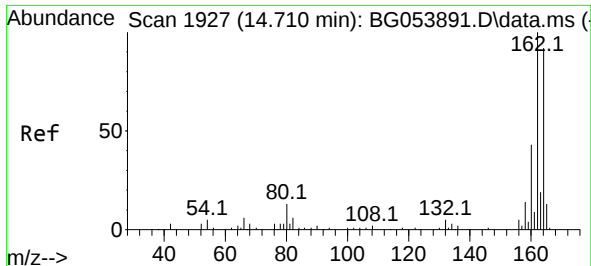
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#31
Naphthalene
Concen: 3.494 ng
RT: 10.934 min Scan# 1284
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

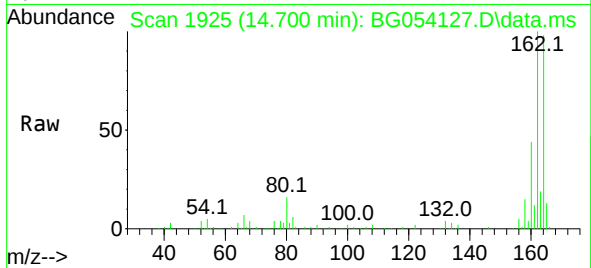
Tgt Ion:128 Resp: 20271
Ion Ratio Lower Upper
128 100
129 13.5 9.0 13.6
127 13.6 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.700 min Scan# 1927
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

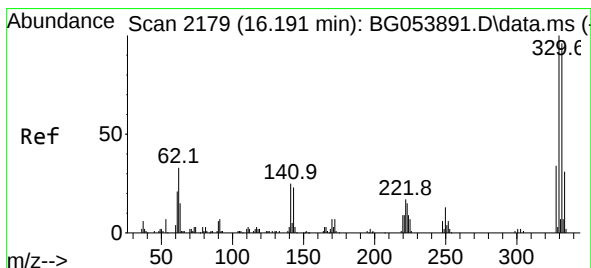
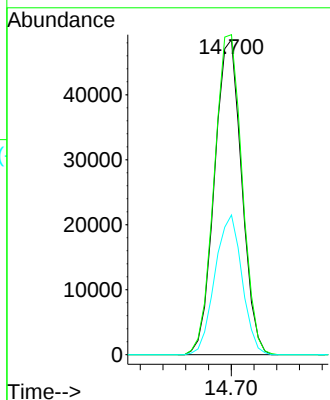
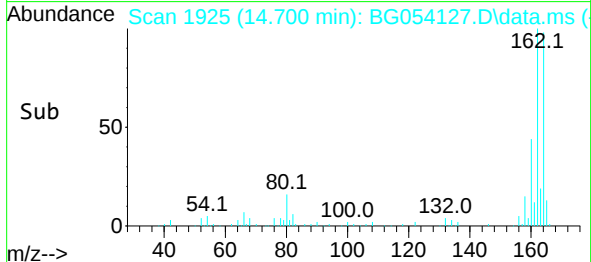
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



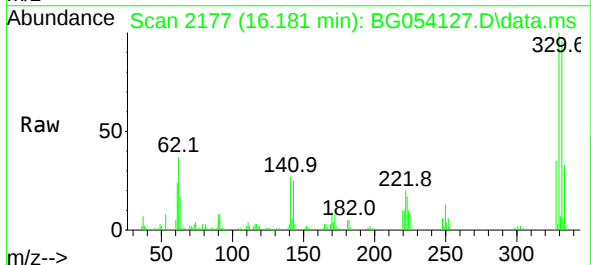
Tgt Ion:164 Resp: 8052
Ion Ratio Lower Upper
164 100
162 101.6 82.3 123.5
160 44.3 34.2 51.2

Manual Integrations
APPROVED

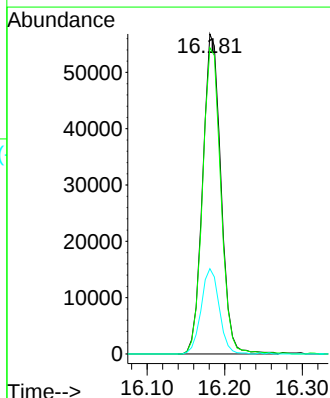
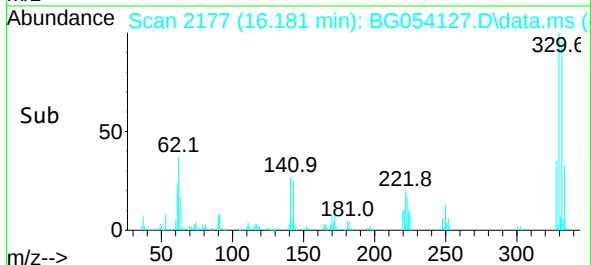
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

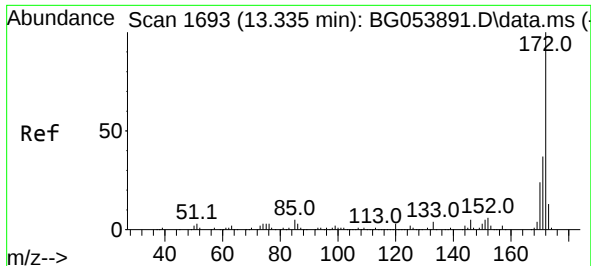


#42
2,4,6-Tribromophenol
Concen: 71.597 ng
RT: 16.181 min Scan# 2177
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28



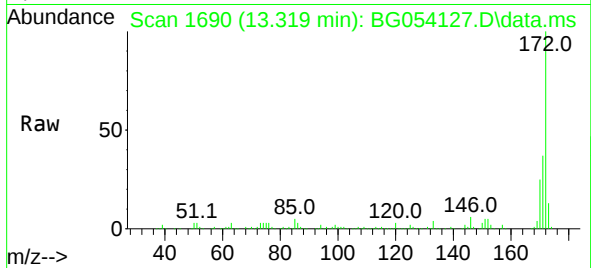
Tgt Ion:330 Resp: 92626
Ion Ratio Lower Upper
330 100
332 96.1 76.0 114.0
141 26.4 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 57.841 ng
RT: 13.319 min Scan# 1690
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

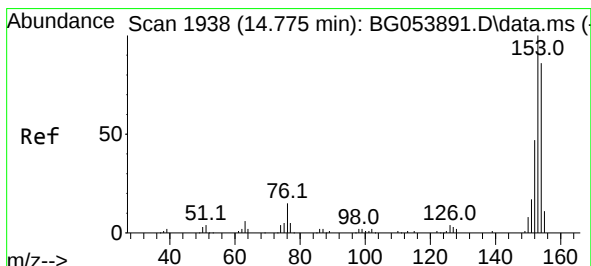
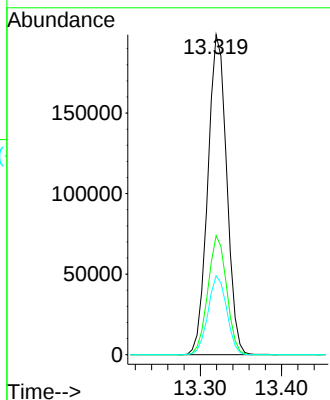
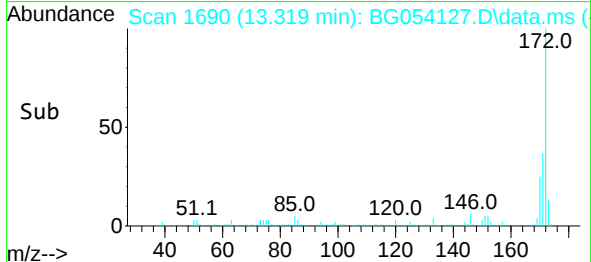
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



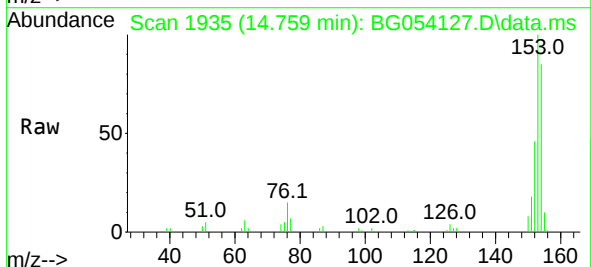
Tgt Ion:172 Resp: 320290
Ion Ratio Lower Upper
172 100
171 37.2 28.5 42.7
170 24.6 18.9 28.3

Manual Integrations
APPROVED

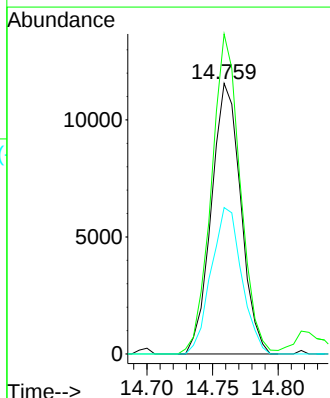
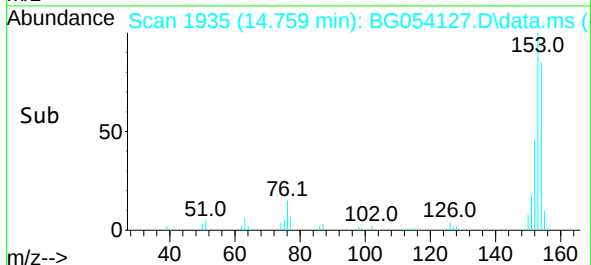
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

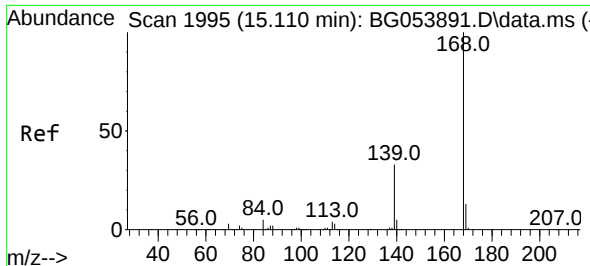


#52
Acenaphthene
Concen: 3.997 ng
RT: 14.759 min Scan# 1935
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28



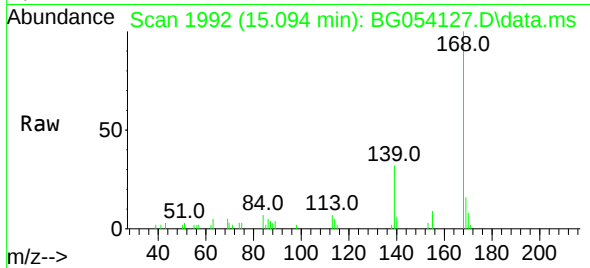
Tgt Ion:154 Resp: 17981
Ion Ratio Lower Upper
154 100
153 118.3 92.7 139.1
152 54.1 42.6 64.0





#55
Dibenzenofuran
Concen: 2.231 ng
RT: 15.094 min Scan# 1995
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

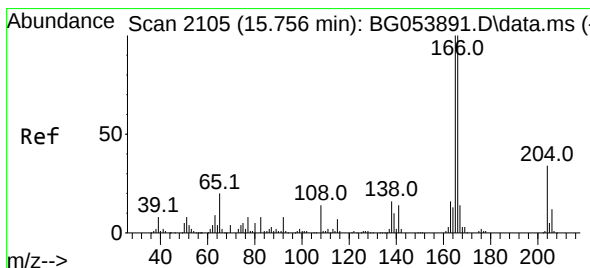
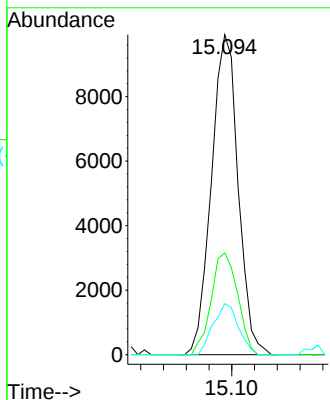
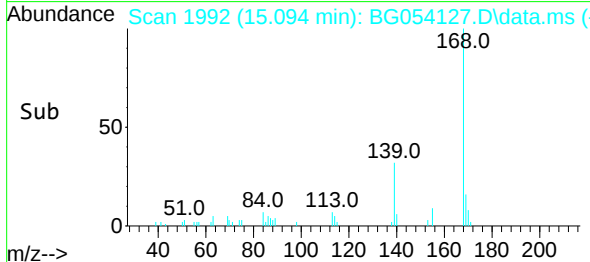
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



Tgt Ion:168 Resp: 16174
Ion Ratio Lower Upper
168 100
139 31.8 30.5 45.7
169 15.9 10.3 15.5

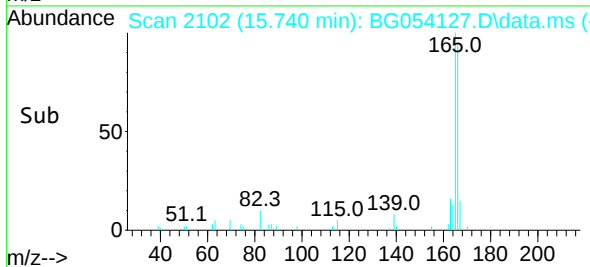
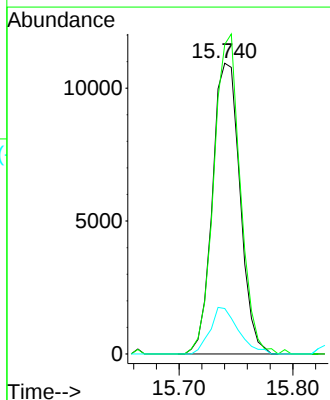
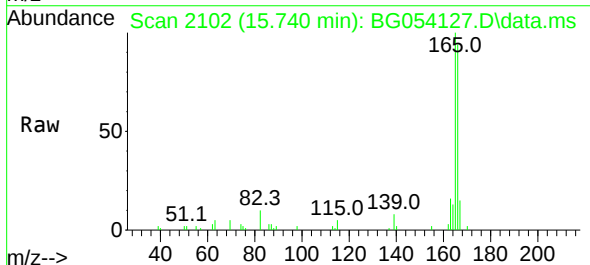
Manual Integrations
APPROVED

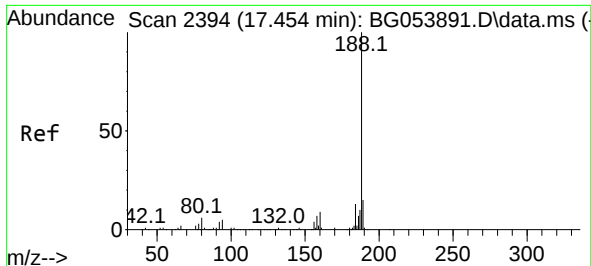
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#58
Fluorene
Concen: 3.097 ng
RT: 15.740 min Scan# 2102
Delta R.T. -0.004 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Tgt Ion:166 Resp: 18432
Ion Ratio Lower Upper
166 100
165 106.5 75.0 112.6
167 15.7 10.8 16.2





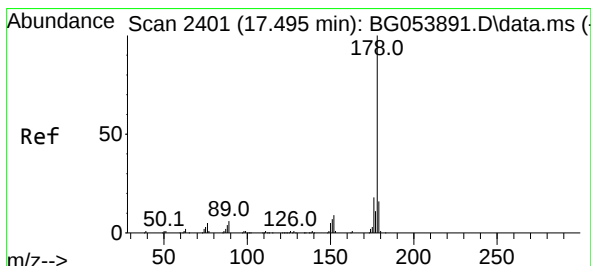
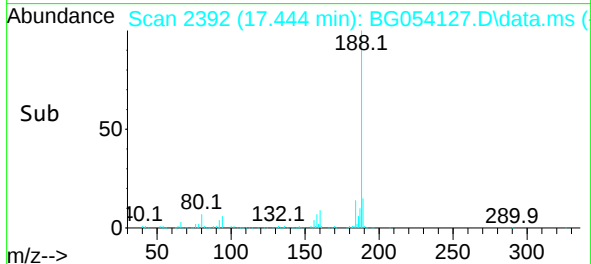
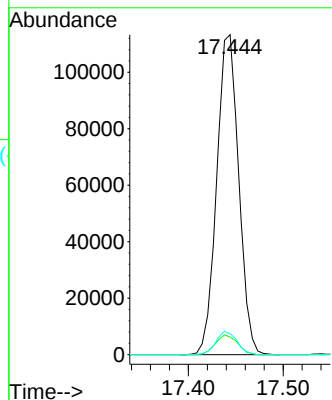
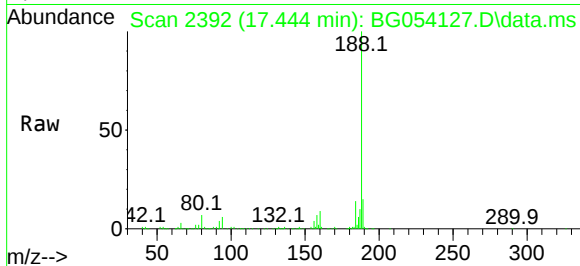
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.444 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623

Tgt Ion:188 Resp: 18274
Ion Ratio Lower Upper
188 100
94 5.5 5.4 8.0
80 6.6 6.8 10.2

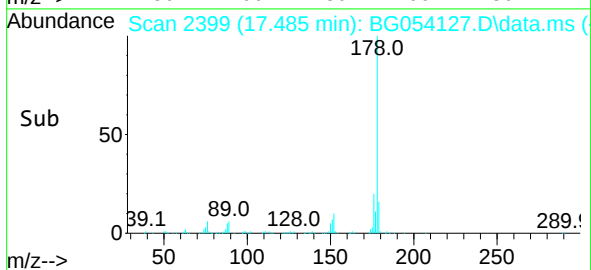
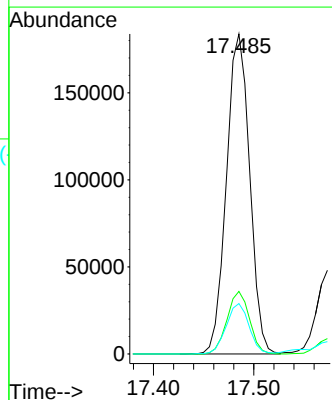
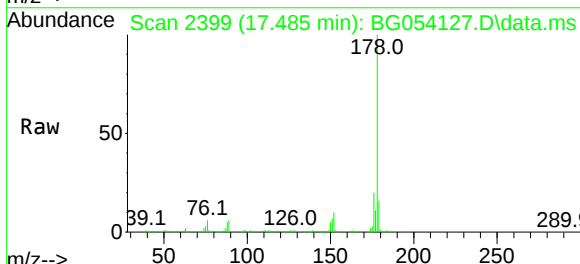
Manual Integrations
APPROVED

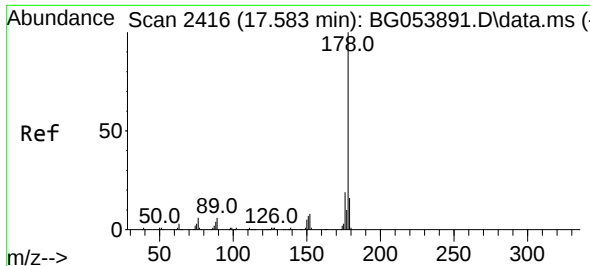
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#71
Phenanthrene
Concen: 31.443 ng
RT: 17.485 min Scan# 2399
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

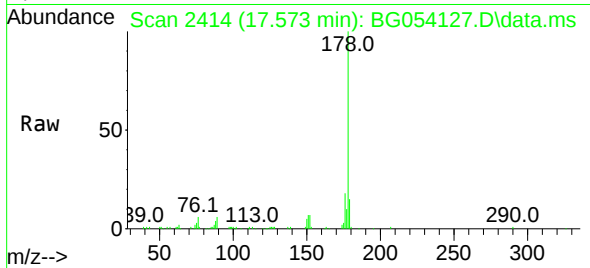
Tgt Ion:178 Resp: 295206
Ion Ratio Lower Upper
178 100
176 19.5 14.1 21.1
179 15.8 12.1 18.1





#72
 Anthracene
 Concen: 8.165 ng
 RT: 17.573 min Scan# 2416
 Delta R.T. -0.004 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

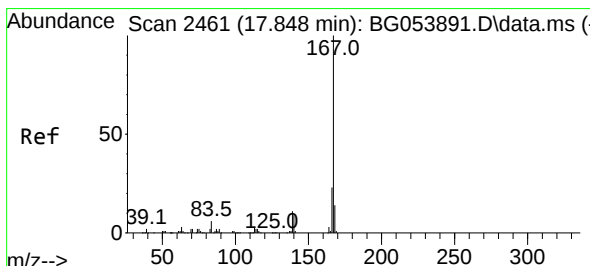
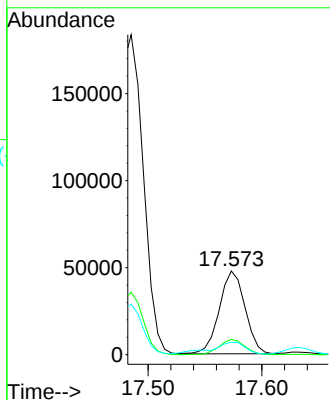
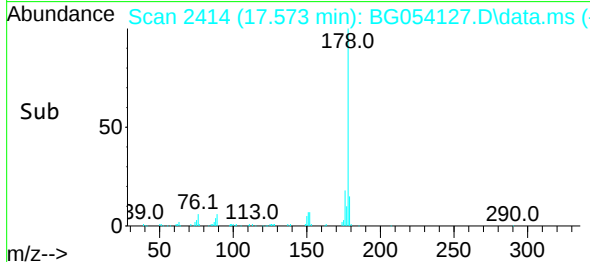
Instrument :
 BNA_G
 ClientSampleId :
 SB-12-0-2-20220623



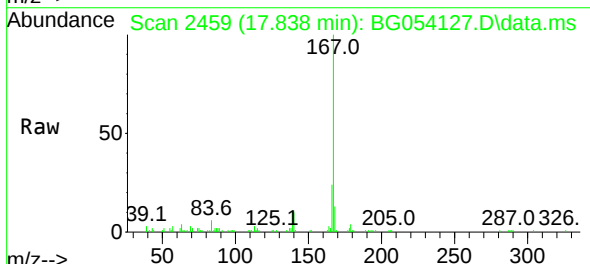
Tgt Ion:178 Resp: 74859
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.2 22.8
 179 14.8 13.0 19.4

Manual Integrations
 APPROVED

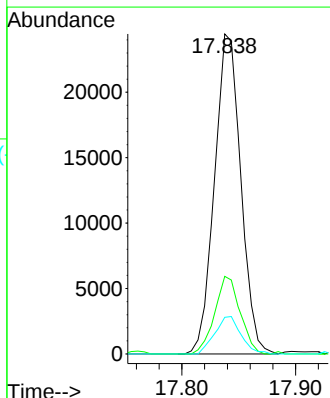
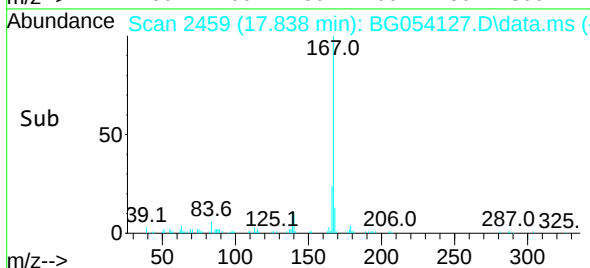
Reviewed By :Christian Giraldo 06/29/2022
 Supervised By :Jagrut Upadhyay 06/29/2022

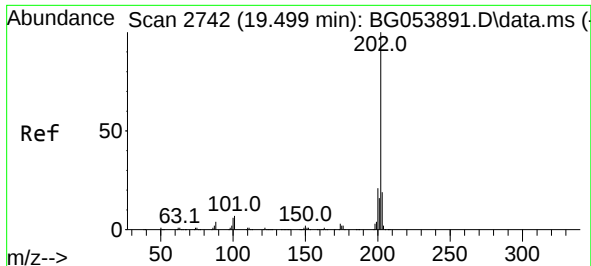


#73
 Carbazole
 Concen: 4.999 ng
 RT: 17.838 min Scan# 2459
 Delta R.T. -0.004 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28



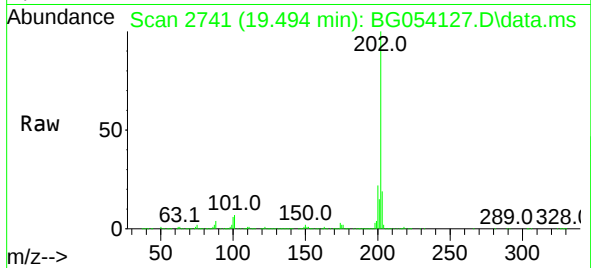
Tgt Ion:167 Resp: 39342
 Ion Ratio Lower Upper
 167 100
 166 24.2 18.2 27.2
 139 11.4 10.1 15.1





#75
Fluoranthene
Concen: 48.380 ng
RT: 19.494 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

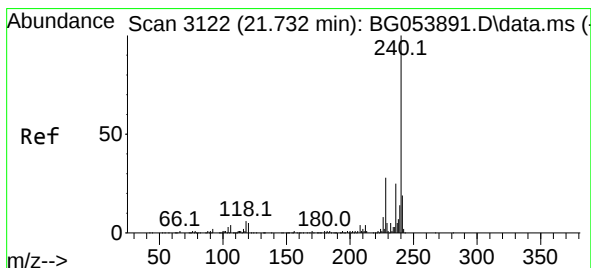
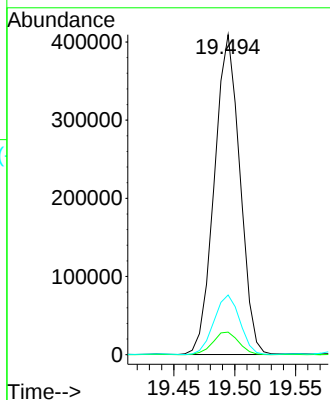
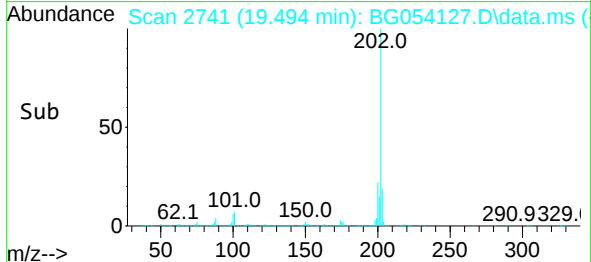
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



Tgt Ion:202 Resp: 59627
Ion Ratio Lower Upper
202 100
101 7.1 0.0 26.9
203 18.7 0.0 37.2

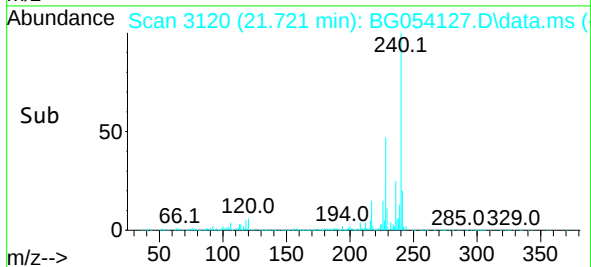
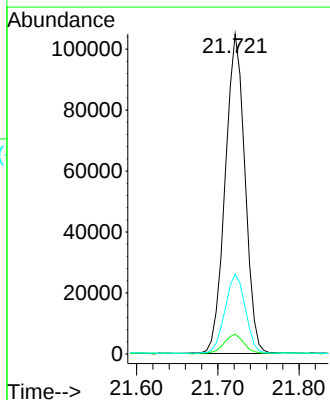
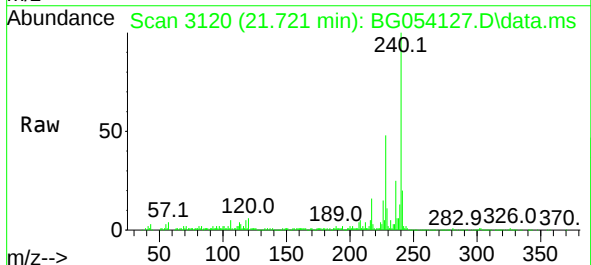
Manual Integrations
APPROVED

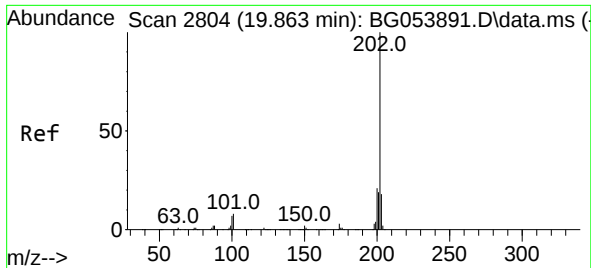
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.721 min Scan# 3120
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

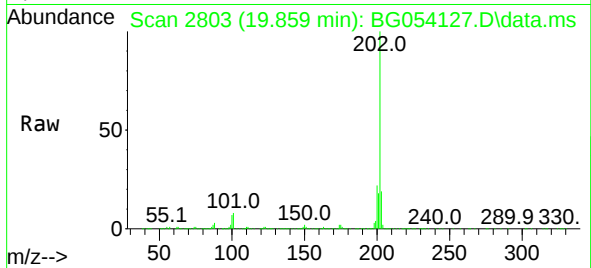
Tgt Ion:240 Resp: 176968
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 25.0 20.2 30.4





#78
 Pyrene
 Concen: 48.678 ng
 RT: 19.859 min Scan# 21
 Delta R.T. 0.008 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28

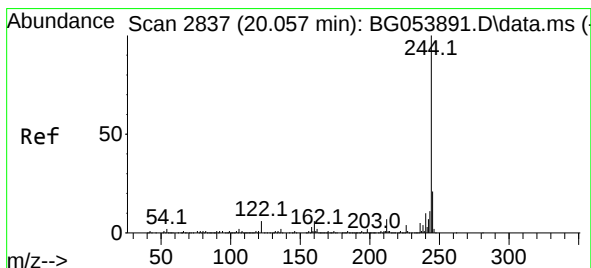
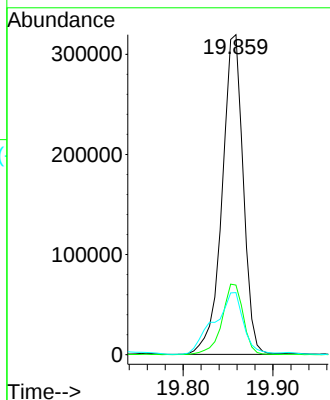
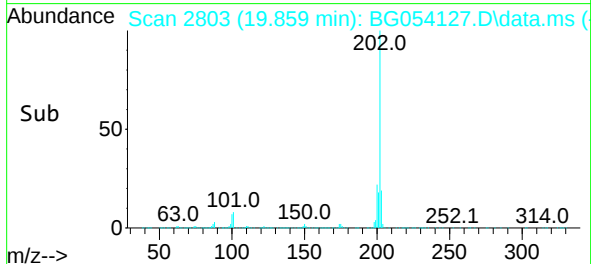
Instrument :
 BNA_G
 ClientSampleId :
 SB-12-0-2-20220623



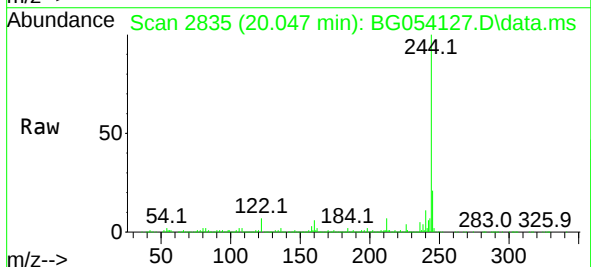
Tgt Ion:202 Resp: 520294
 Ion Ratio Lower Upper
 202 100
 200 21.8 16.6 24.8
 203 19.4 14.6 21.8

Manual Integrations
 APPROVED

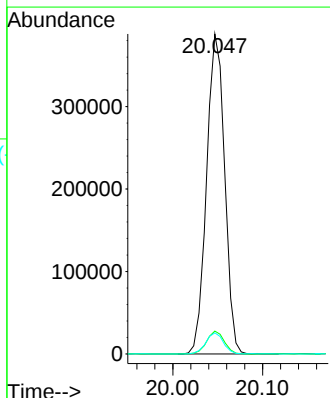
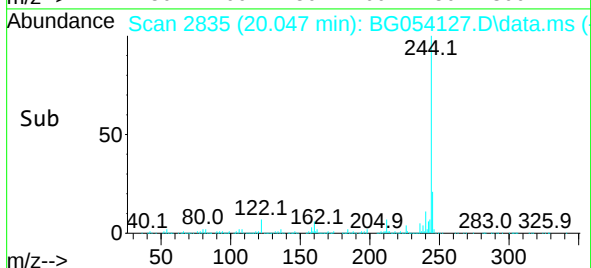
Reviewed By :Christian Giraldo 06/29/2022
 Supervised By :Jagrut Upadhyay 06/29/2022

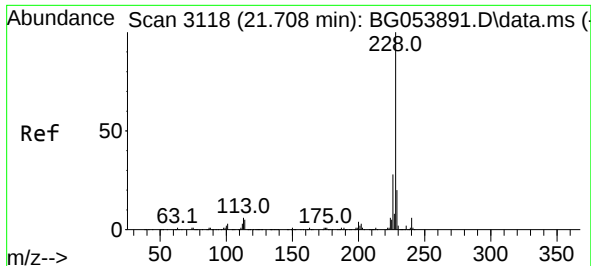


#79
 Terphenyl-d14
 Concen: 61.688 ng
 RT: 20.047 min Scan# 2835
 Delta R.T. 0.002 min
 Lab File: BG054127.D
 Acq: 28 Jun 2022 21:28



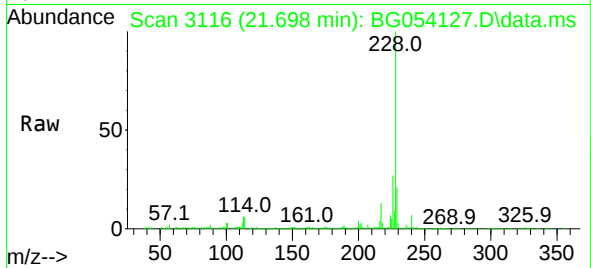
Tgt Ion:244 Resp: 542023
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 6.6 5.0 7.4





#81
Benzo(a)anthracene
Concen: 32.640 ng
RT: 21.698 min Scan# 3116
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

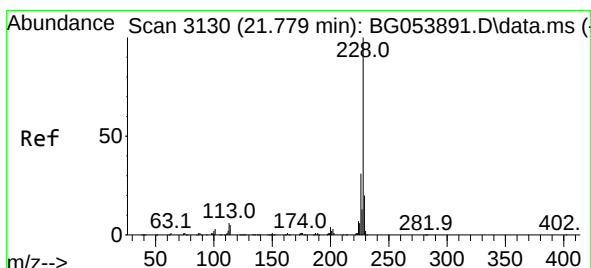
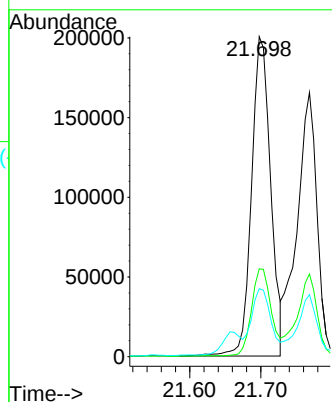
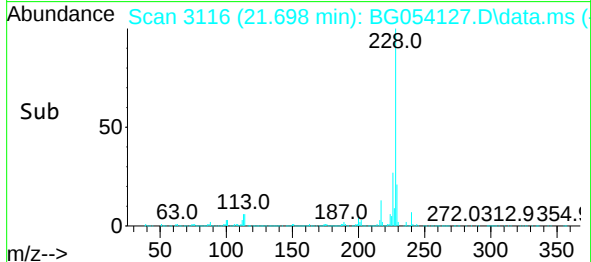
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



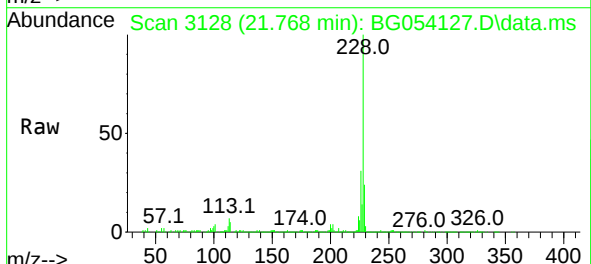
Tgt Ion:228 Resp: 374000
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 21.3 16.2 24.2

Manual Integrations
APPROVED

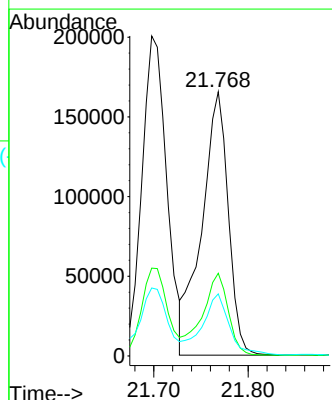
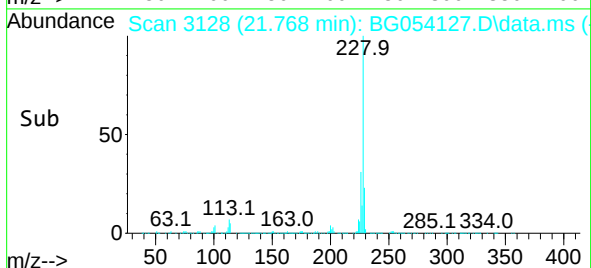
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

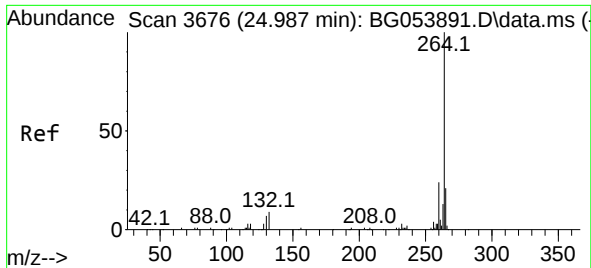


#83
Chrysene
Concen: 29.696 ng m
RT: 21.768 min Scan# 3128
Delta R.T. 0.008 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28



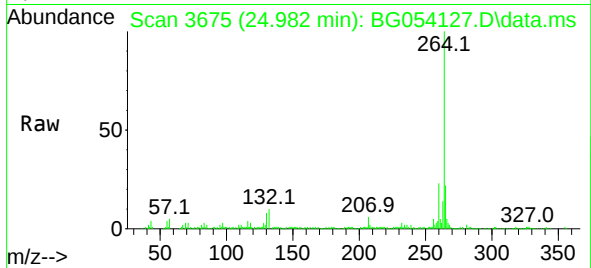
Tgt Ion:228 Resp: 324342
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.2
229 23.5 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.982 min Scan# 30
Delta R.T. 0.020 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

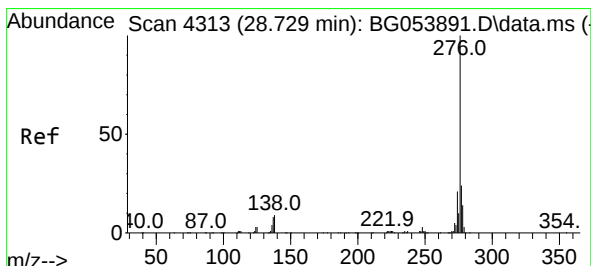
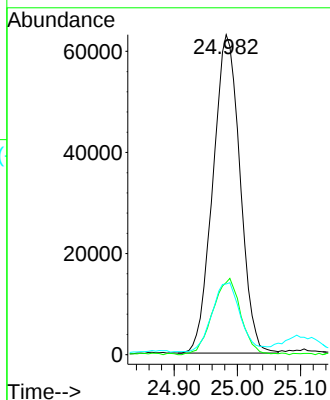
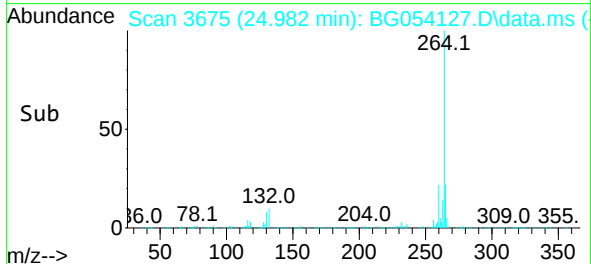
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



Tgt Ion:264 Resp: 187360
Ion Ratio Lower Upper
264 100
260 22.6 19.0 28.6
265 22.1 17.4 26.2

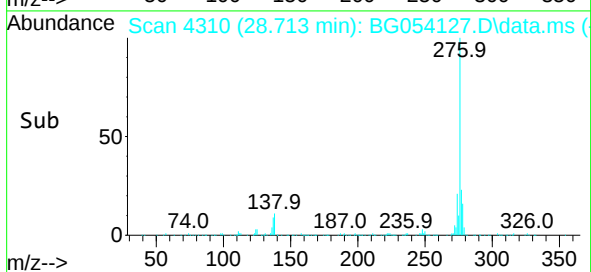
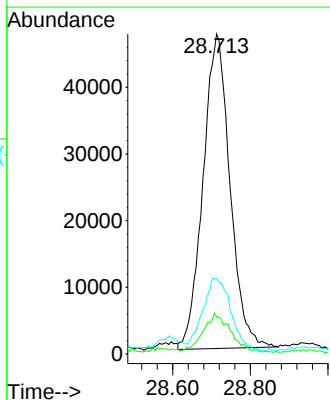
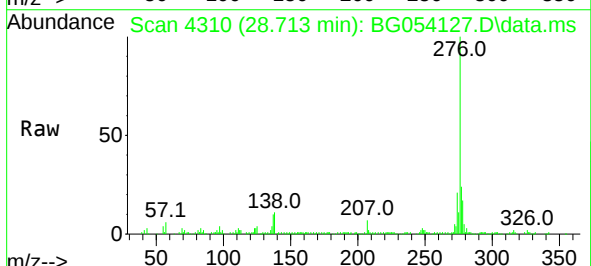
Manual Integrations
APPROVED

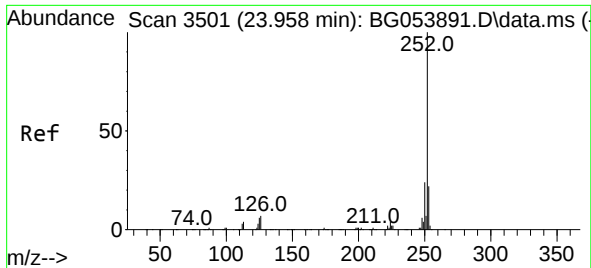
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.076 ng
RT: 28.713 min Scan# 4310
Delta R.T. 0.026 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

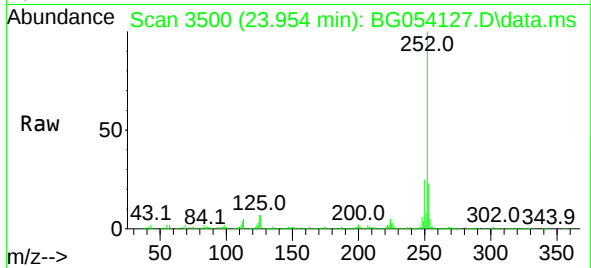
Tgt Ion:276 Resp: 227312
Ion Ratio Lower Upper
276 100
138 12.3 5.0 7.4#
277 23.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 45.055 ng
RT: 23.954 min Scan# 31
Delta R.T. 0.020 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

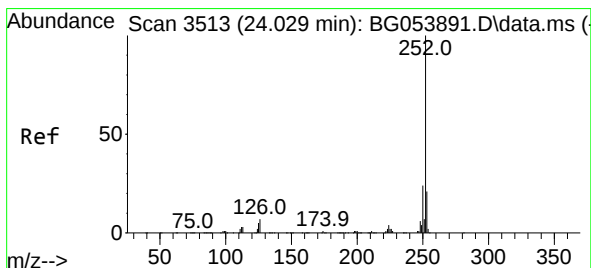
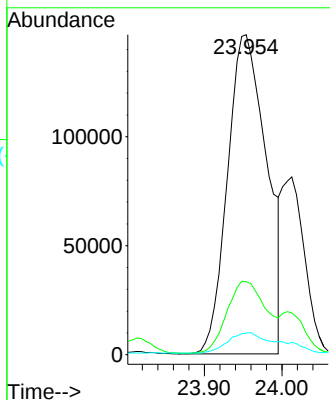
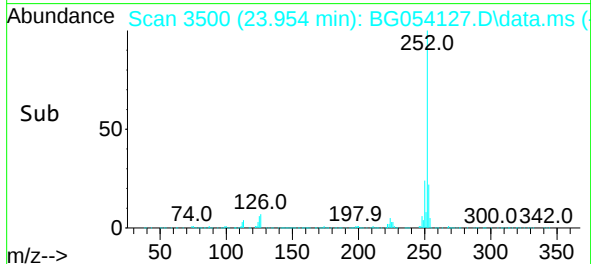
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



Tgt Ion:252 Resp: 513279
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 6.7 4.6 6.8

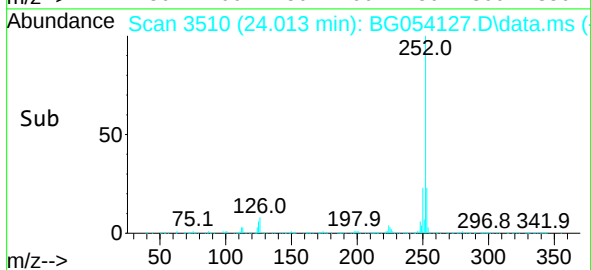
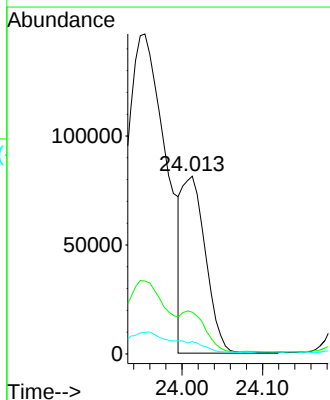
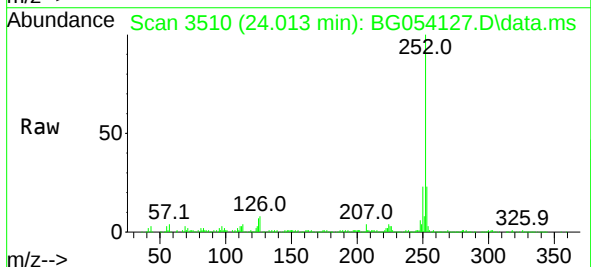
Manual Integrations
APPROVED

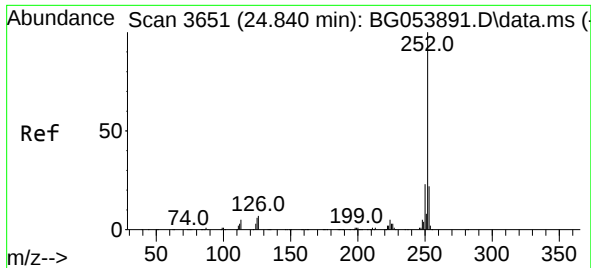
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#89
Benzo(k)fluoranthene
Concen: 14.667 ng m
RT: 24.013 min Scan# 3510
Delta R.T. 0.008 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

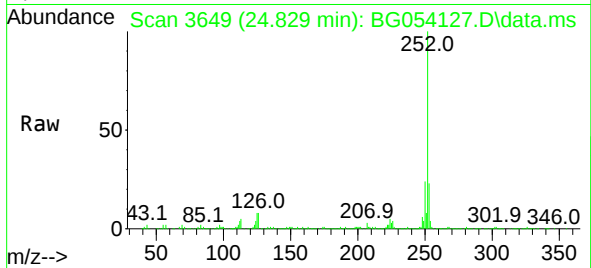
Tgt Ion:252 Resp: 165432
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 6.9 4.8 7.2





#90
Benzo(a)pyrene
Concen: 35.558 ng
RT: 24.829 min Scan# 30
Delta R.T. 0.014 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

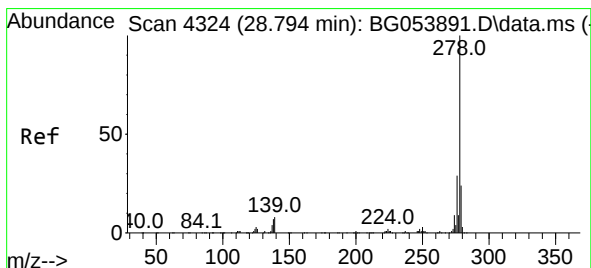
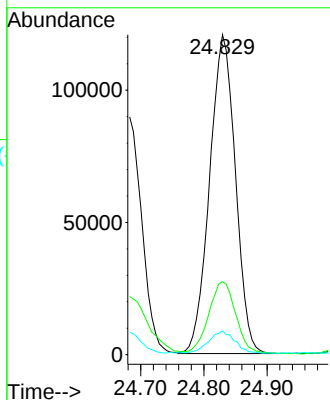
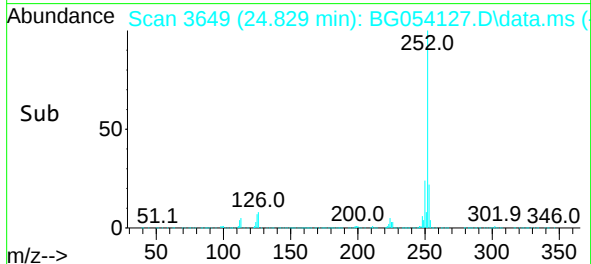
Instrument :
BNA_G
ClientSampleId :
SB-12-0-2-20220623



Tgt Ion:252 Resp: 34178
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 7.5 4.3 6.5

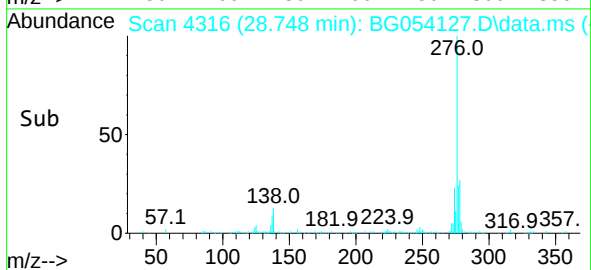
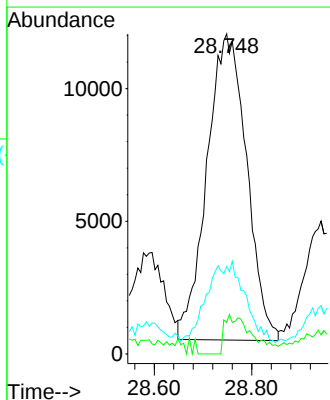
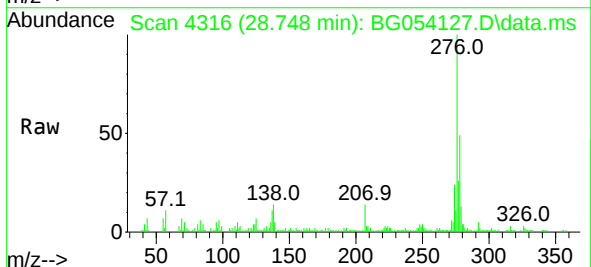
Manual Integrations
APPROVED

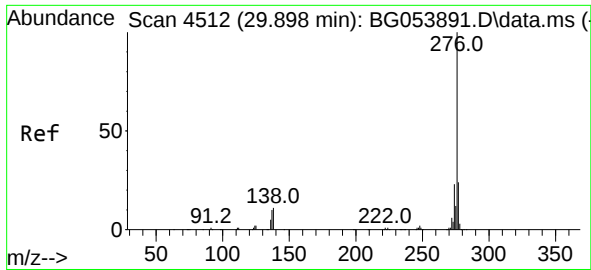
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.573 ng
RT: 28.748 min Scan# 4316
Delta R.T. 0.002 min
Lab File: BG054127.D
Acq: 28 Jun 2022 21:28

Tgt Ion:278 Resp: 65160
Ion Ratio Lower Upper
278 100
139 9.9 7.2 10.8
279 27.3 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 18.641 ng

RT: 29.876 min Scan# 4512

Delta R.T. 0.014 min

Lab File: BG054127.D

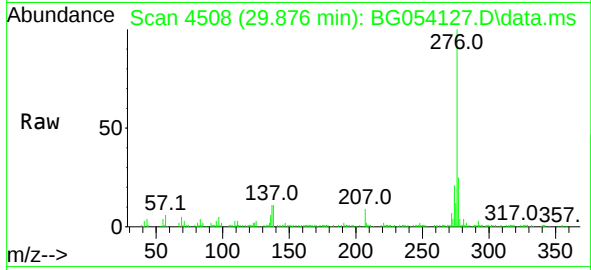
Acq: 28 Jun 2022 21:28

Instrument :

BNA_G

ClientSampleId :

SB-12-0-2-20220623



Tgt Ion:276 Resp: 215092

Ion Ratio Lower Upper

276 100

277 24.6 17.3 25.9

138 11.3 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/29/2022

Supervised By :Jagrut Upadhyay 06/29/2022

