

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062922\
 Data File : BG054158.D
 Acq On : 29 Jun 2022 23:33
 Operator : CG/JU
 Sample : N3516-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/30/2022
 Supervised By : Jagrut Upadhyay 07/01/2022

Quant Time: Jun 30 05:32:42 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	8.065	152	22641	20.000	ng	0.00
21) Naphthalene-d8	10.873	136	92934	20.000	ng	# 0.00
39) Acenaphthene-d10	14.692	164	71984	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	178817	20.000	ng	# 0.00
76) Chrysene-d12	21.713	240	190687	20.000	ng	0.00
86) Perylene-d12	24.962	264	196911	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	172533	145.695	ng	0.00
7) Phenol-d6	7.230	99	237147	147.620	ng	0.00
23) Nitrobenzene-d5	9.228	82	157755	95.393	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	171248	148.068	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	426866	86.230	ng	0.00
79) Terphenyl-d14	20.045	244	793934	83.857	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.477	178	33250	3.619	ng	96
75) Fluoranthene	19.487	202	133796	11.094	ng	98
78) Pyrene	19.851	202	119682	10.392	ng	99
81) Benzo(a)anthracene	21.690	228	73637	5.964	ng	99
83) Chrysene	21.754	228	71045	6.037	ng	95
87) Indeno(1,2,3-cd)pyrene	28.688	276	61473	4.137	ng	# 97
88) Benzo(b)fluoranthene	23.940	252	99425m	8.304	ng	
89) Benzo(k)fluoranthene	23.975	252	42915m	3.620	ng	
90) Benzo(a)pyrene	24.810	252	75899	7.513	ng	98
92) Benzo(g,h,i)perylene	29.839	276	57429	4.736	ng	100

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

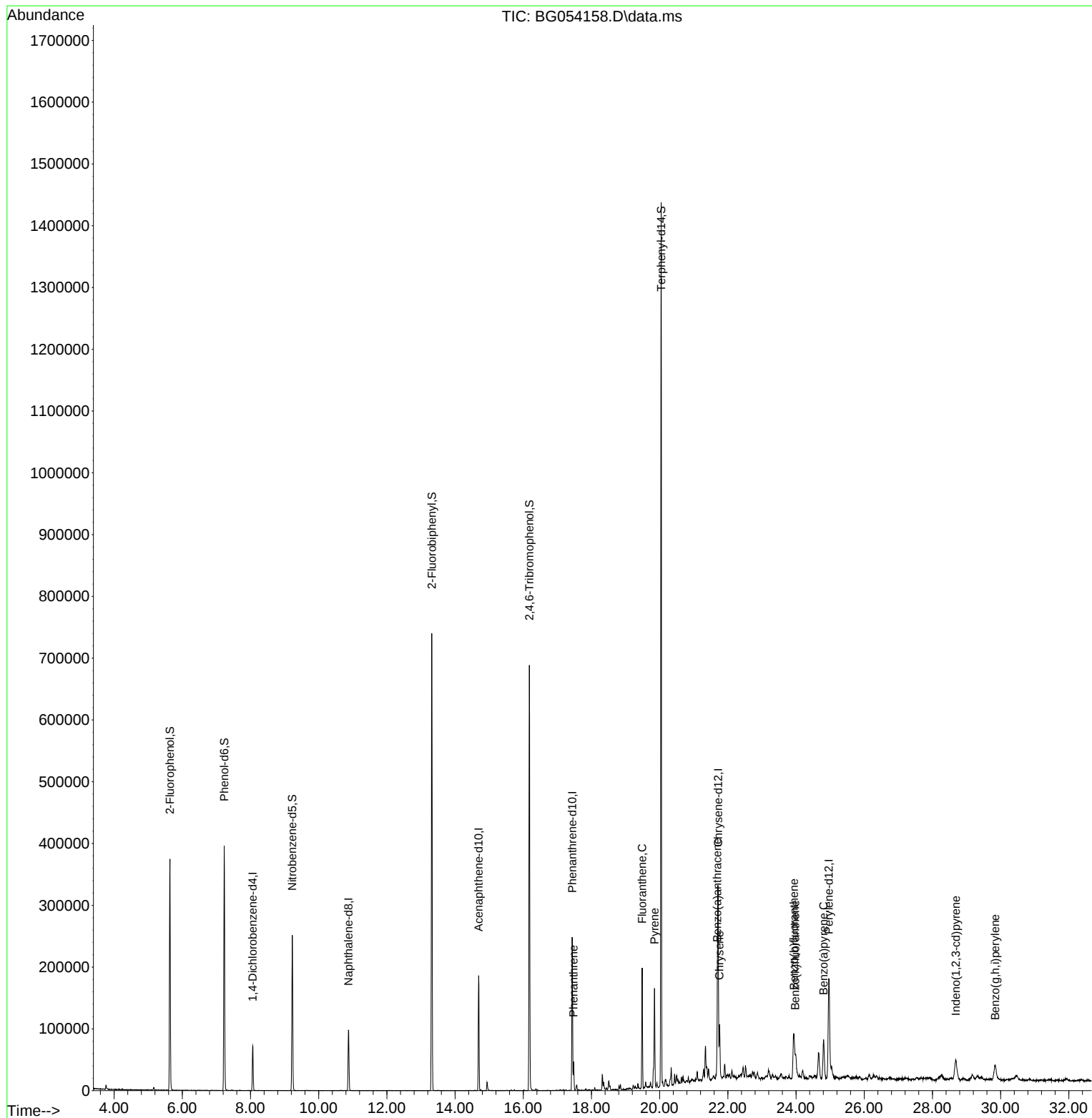
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062922\
Data File : BG054158.D
Acq On : 29 Jun 2022 23:33
Operator : CG/JU
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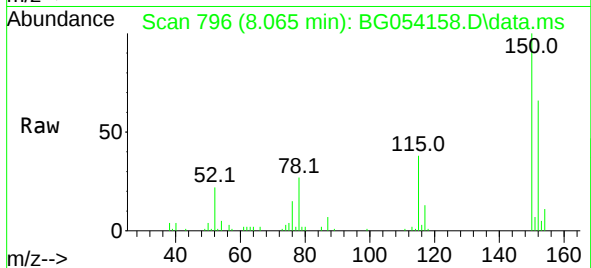
Reviewed By : Christian Giraldo 06/30/2022
Supervised By : Jagrut Upadhyay 07/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.065 min Scan# 796
Delta R.T. -0.005 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

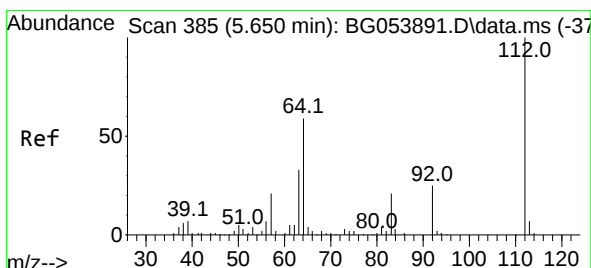
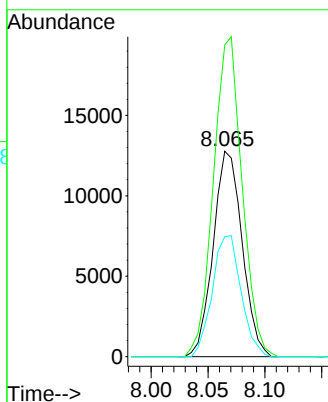
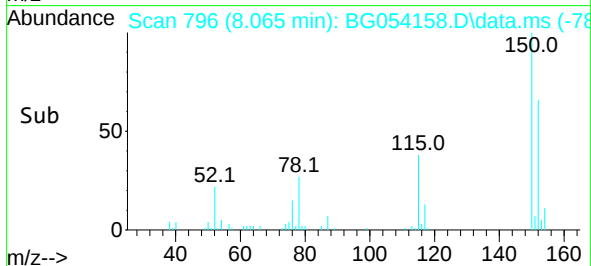
Instrument :
BNA_G
ClientSampleId :
R-1



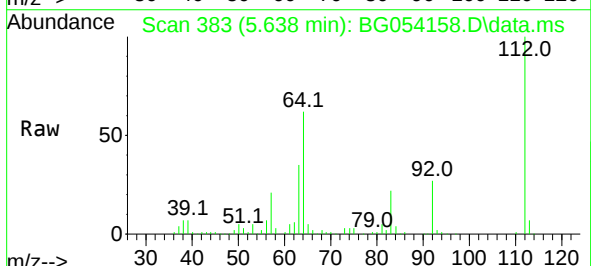
Tgt Ion:152 Resp: 2264
Ion Ratio Lower Upper
152 100
150 151.8 131.6 197.4
115 58.4 50.9 76.3

Manual Integrations
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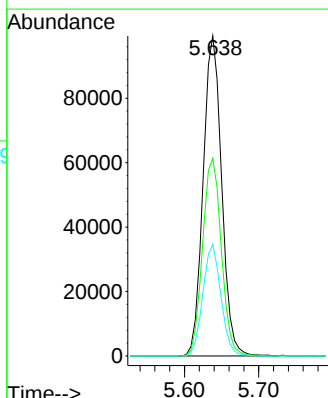
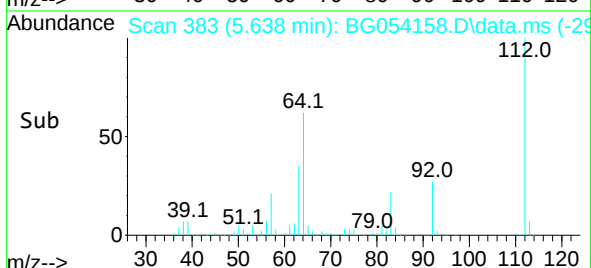
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#5
2-Fluorophenol
Concen: 145.695 ng
RT: 5.638 min Scan# 383
Delta R.T. 0.000 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33



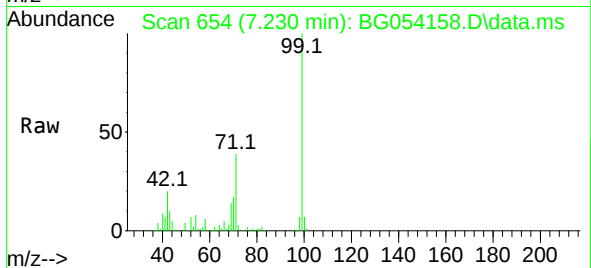
Tgt Ion:112 Resp: 172533
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 34.9 30.4 45.6





#7
Phenol-d6
Concen: 147.620 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

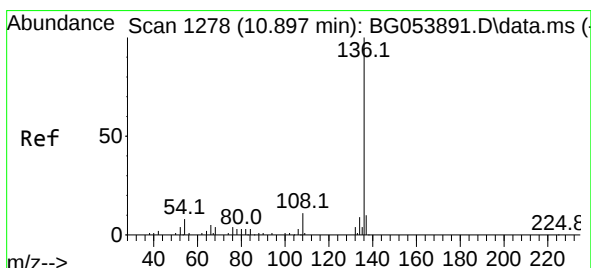
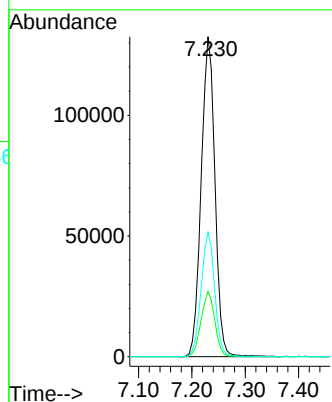
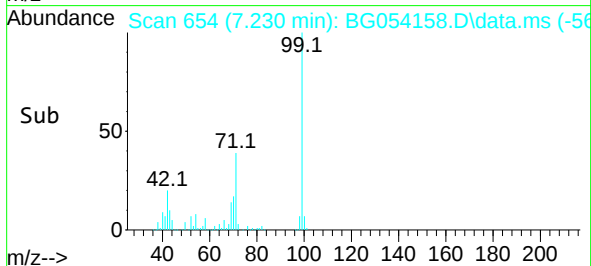
Instrument :
BNA_G
ClientSampleId :
R-1



Tgt Ion: 99 Resp: 23714
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 38.7 33.8 50.8

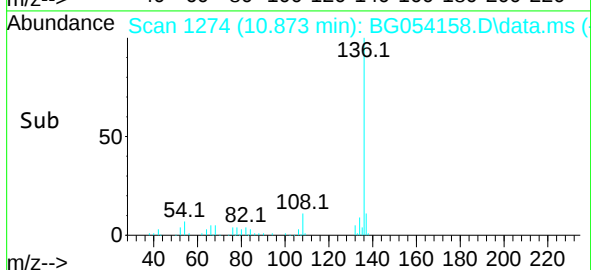
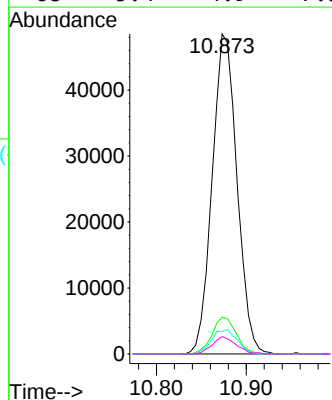
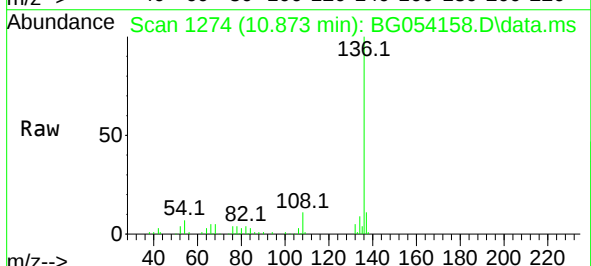
Manual Integrations
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Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.873 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

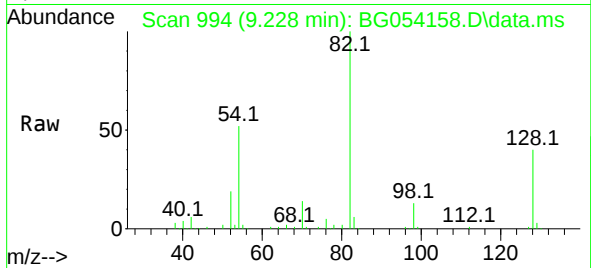
Tgt Ion:136 Resp: 92934
Ion Ratio Lower Upper
136 100
137 11.5 8.5 12.7
54 7.1 7.4 11.2#
68 5.4 4.9 7.3





#23
Nitrobenzene-d5
Concen: 95.393 ng
RT: 9.228 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

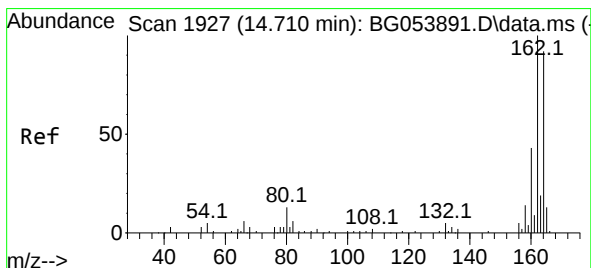
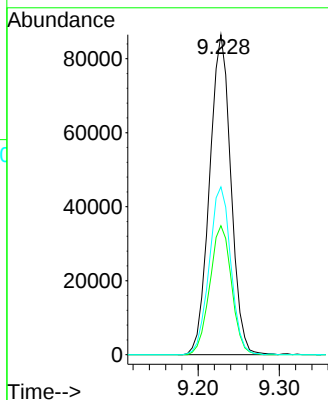
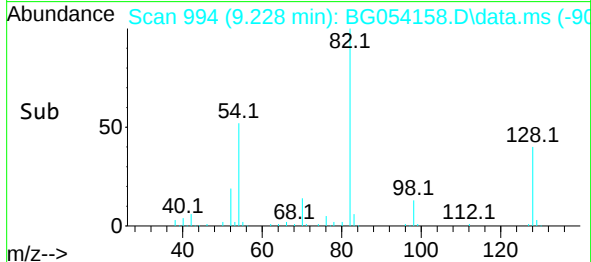
Instrument :
BNA_G
ClientSampleId :
R-1



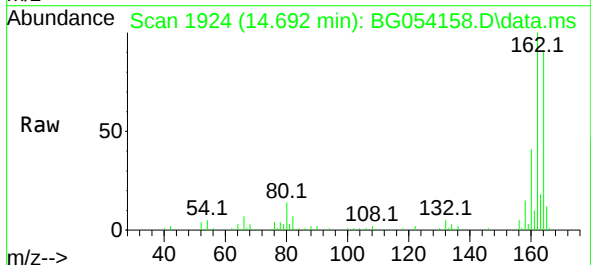
Tgt Ion: 82 Resp: 15775
Ion Ratio Lower Upper
82 100
128 40.3 27.9 41.9
54 52.4 41.2 61.8

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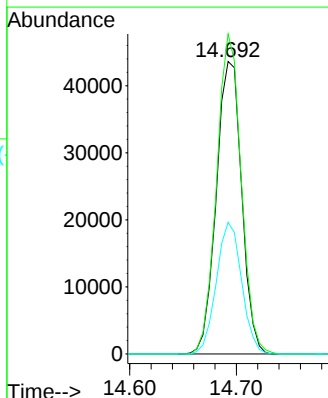
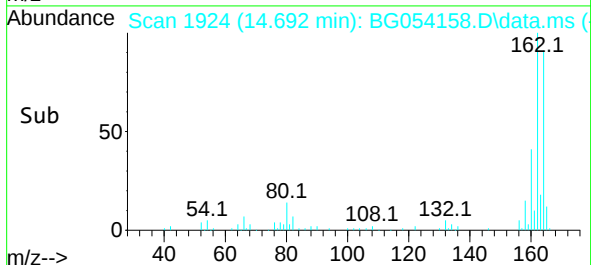
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.692 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33



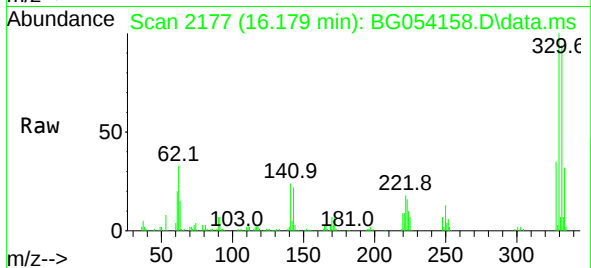
Tgt Ion:164 Resp: 71984
Ion Ratio Lower Upper
164 100
162 109.4 82.3 123.5
160 45.0 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 148.068 ng
RT: 16.179 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

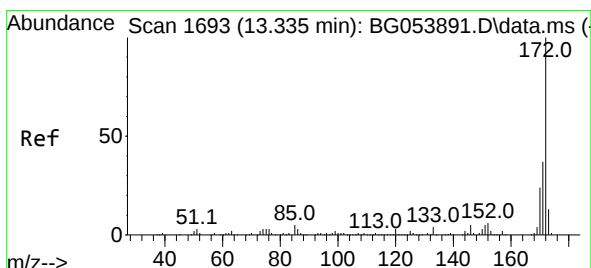
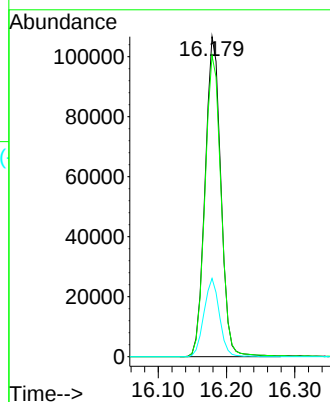
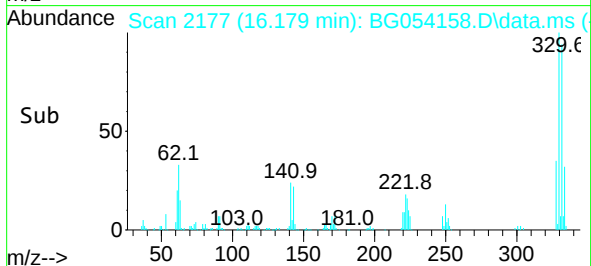
Instrument :
BNA_G
ClientSampleId :
R-1



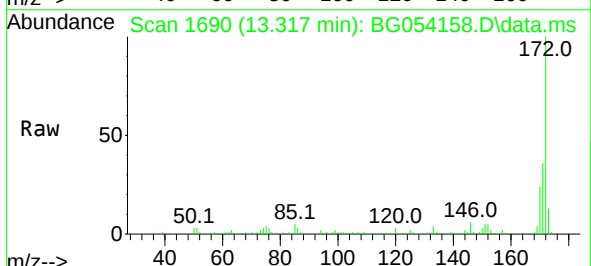
Tgt Ion:330 Resp: 171248
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 24.0 27.1 40.7

Manual Integrations
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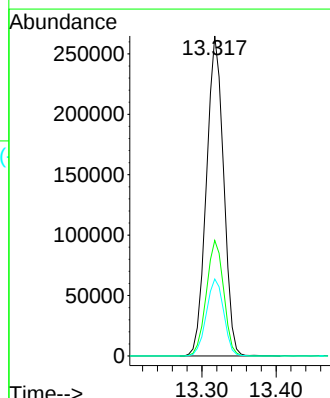
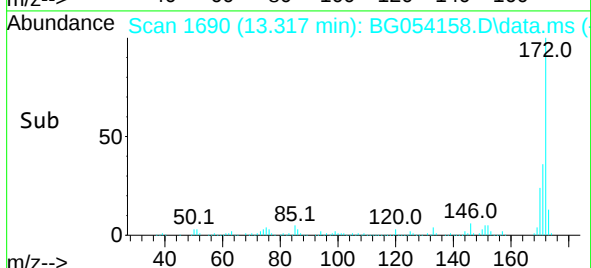
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022

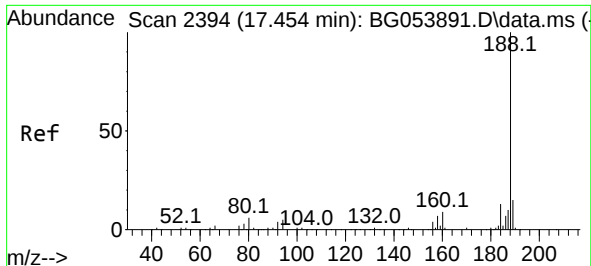


#45
2-Fluorobiphenyl
Concen: 86.230 ng
RT: 13.317 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33



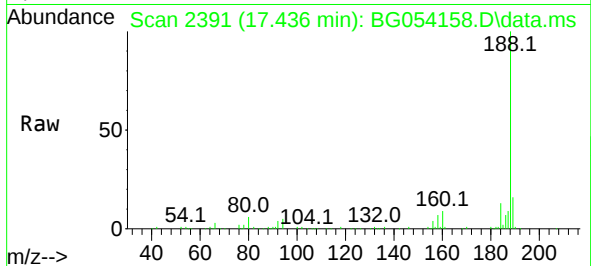
Tgt Ion:172 Resp: 426866
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 24.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.436 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

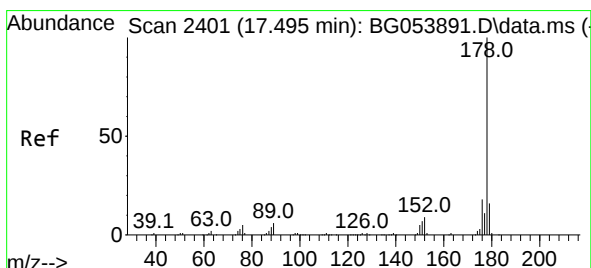
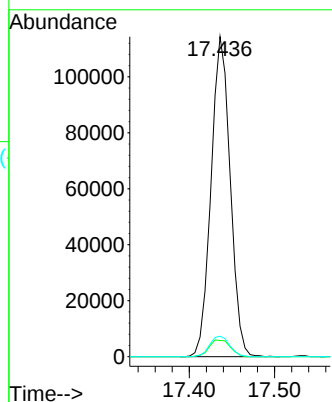
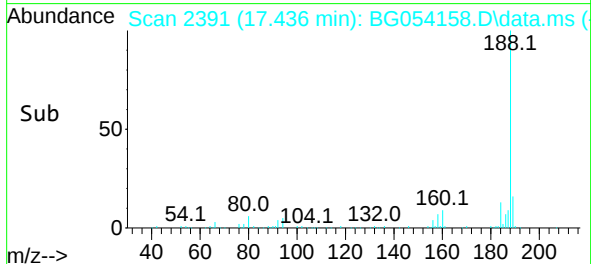
Instrument :
BNA_G
ClientSampleId :
R-1



Tgt Ion:188 Resp: 17881
Ion Ratio Lower Upper
188 100
94 5.1 5.4 8.0
80 6.4 6.8 10.2

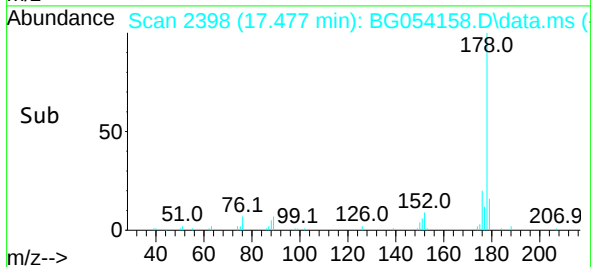
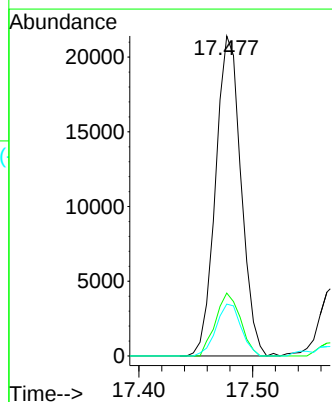
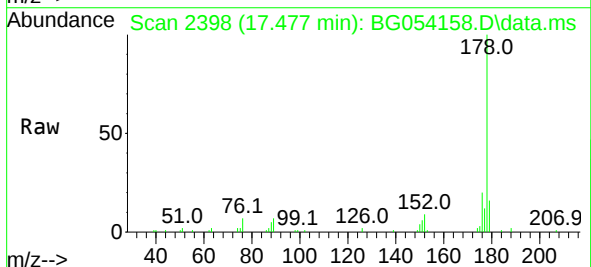
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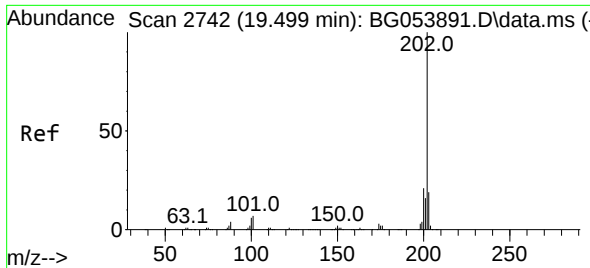
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#71
Phenanthrene
Concen: 3.619 ng
RT: 17.477 min Scan# 2398
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

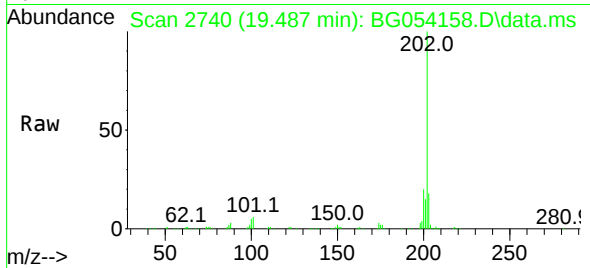
Tgt Ion:178 Resp: 33250
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.2 12.1 18.1





#75
Fluoranthene
Concen: 11.094 ng
RT: 19.487 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

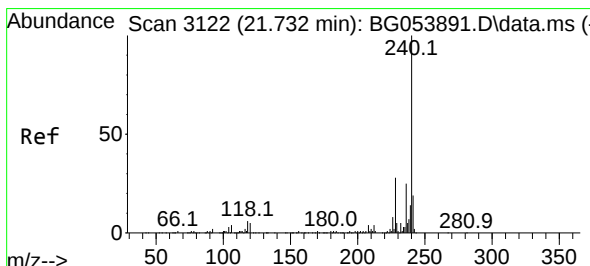
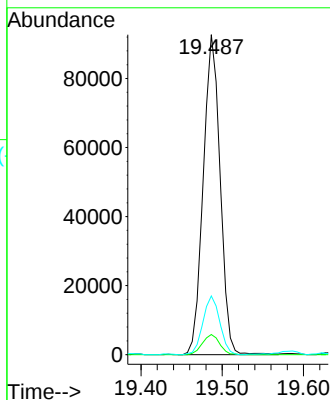
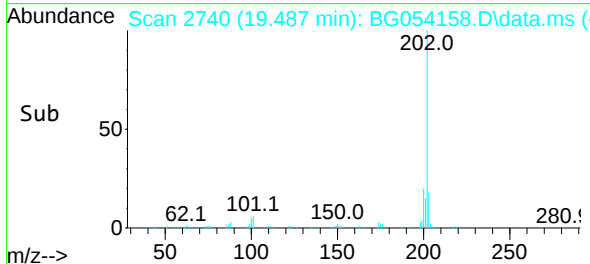
Instrument :
BNA_G
ClientSampleId :
R-1



Tgt Ion:202 Resp: 133790
Ion Ratio Lower Upper
202 100
101 6.3 0.0 26.9
203 18.3 0.0 37.2

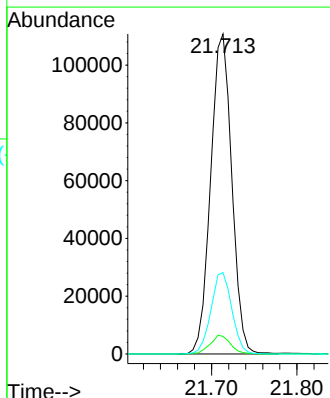
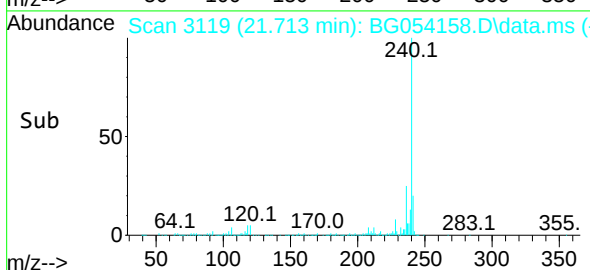
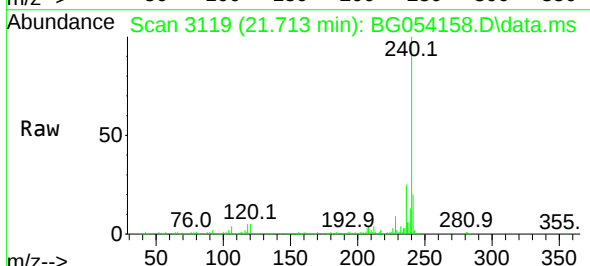
Manual Integrations
APPROVED

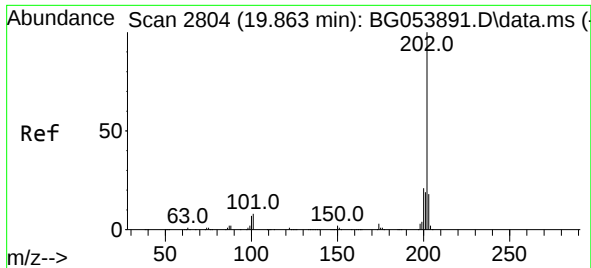
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.713 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

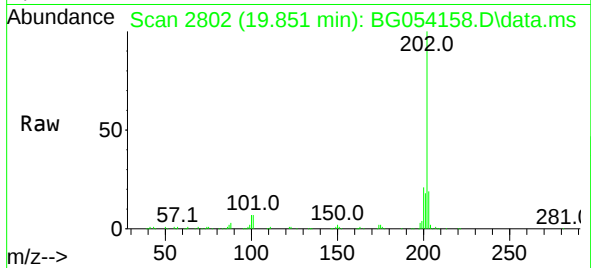
Tgt Ion:240 Resp: 190687
Ion Ratio Lower Upper
240 100
120 5.5 4.6 7.0
236 25.4 20.2 30.4





#78
 Pyrene
 Concen: 10.392 ng
 RT: 19.851 min Scan# 2802
 Delta R.T. 0.000 min
 Lab File: BG054158.D
 Acq: 29 Jun 2022 23:33

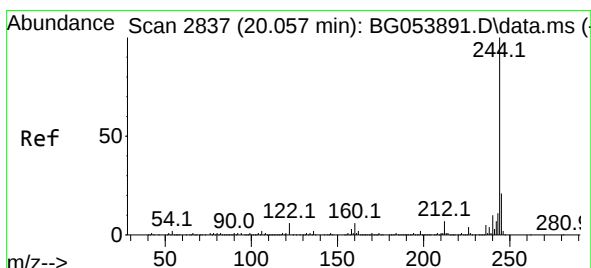
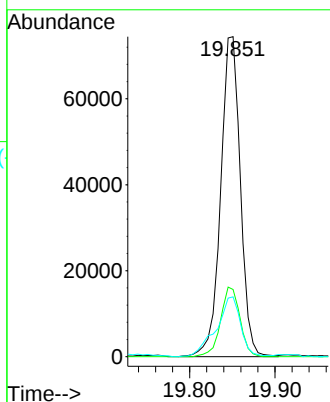
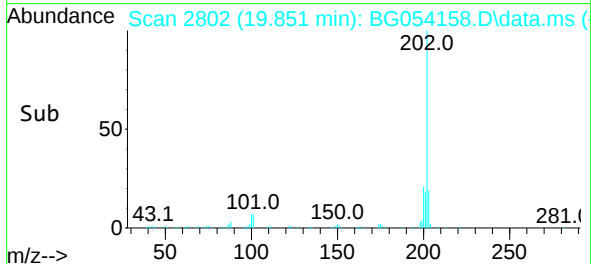
Instrument :
 BNA_G
 ClientSampleId :
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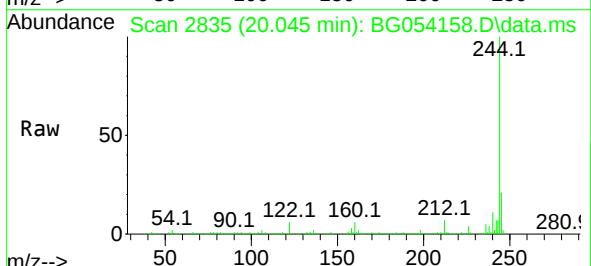
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 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 24.8
 203 18.7 14.6 21.8

Manual Integrations
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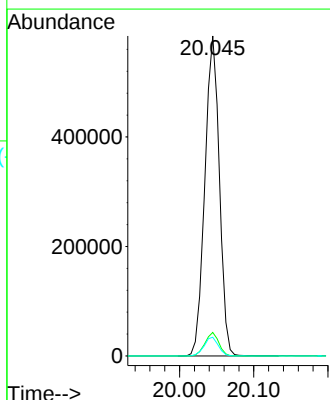
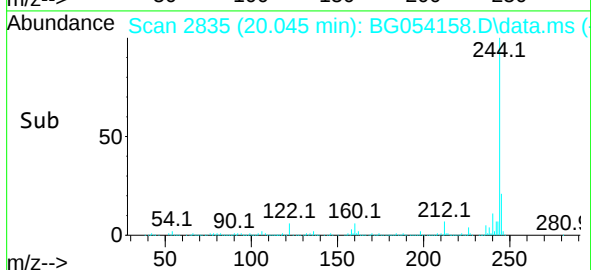
Reviewed By :Christian Giraldo 06/30/2022
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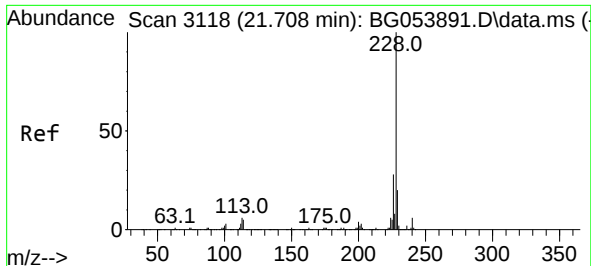


#79
 Terphenyl-d14
 Concen: 83.857 ng
 RT: 20.045 min Scan# 2835
 Delta R.T. 0.000 min
 Lab File: BG054158.D
 Acq: 29 Jun 2022 23:33



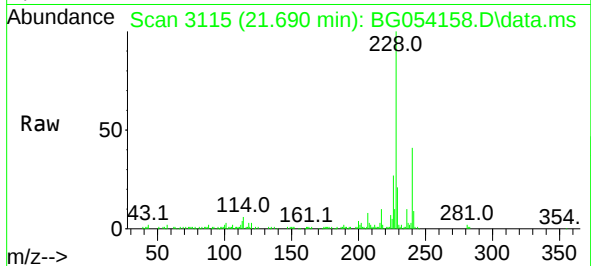
Tgt Ion:244 Resp: 793934
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 5.8 5.0 7.4





#81
Benzo(a)anthracene
Concen: 5.964 ng
RT: 21.690 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

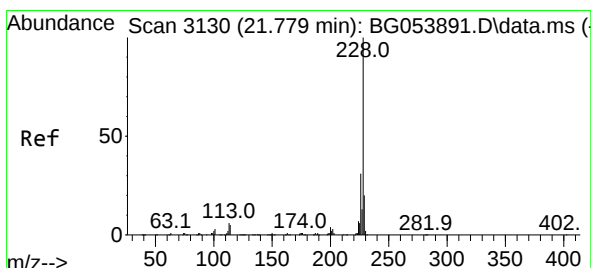
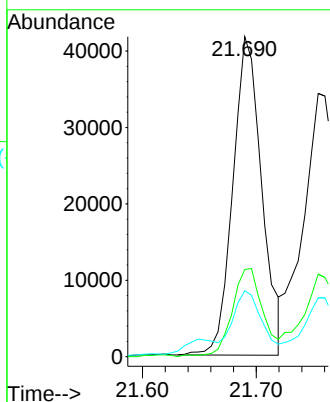
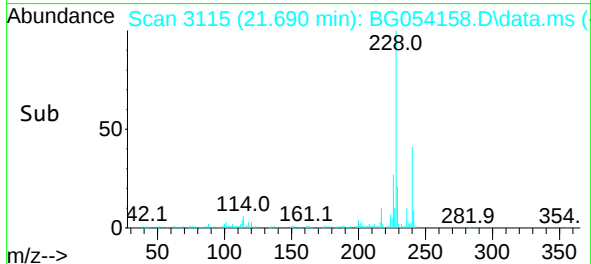
Instrument :
BNA_G
ClientSampleId :
R-1



Tgt Ion:228 Resp: 7363
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 20.6 16.2 24.2

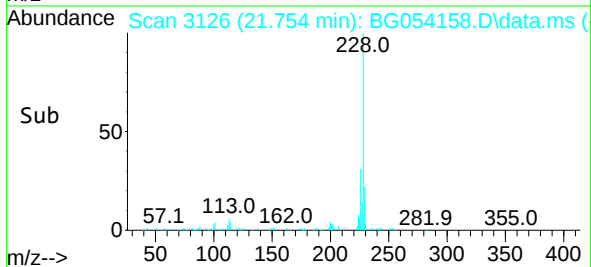
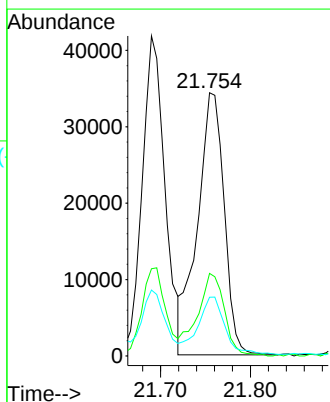
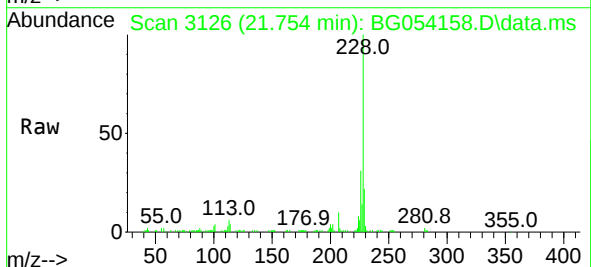
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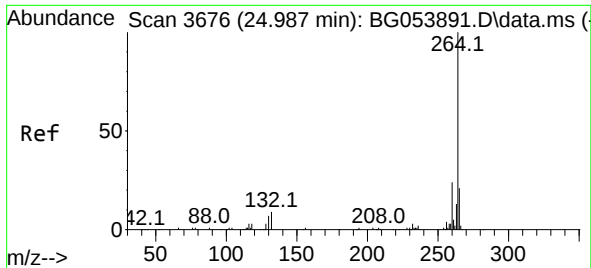
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#83
Chrysene
Concen: 6.037 ng
RT: 21.754 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

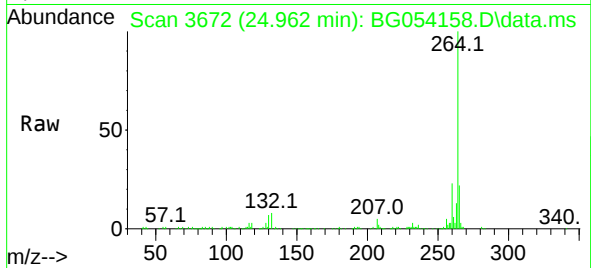
Tgt Ion:228 Resp: 71045
Ion Ratio Lower Upper
228 100
226 31.4 23.4 35.2
229 22.3 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.962 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

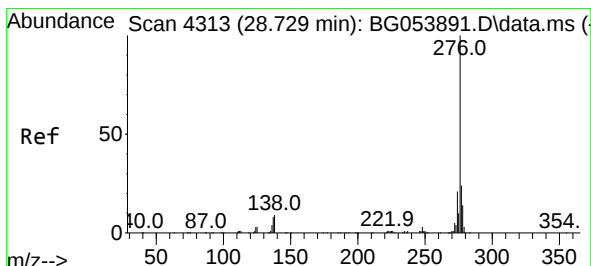
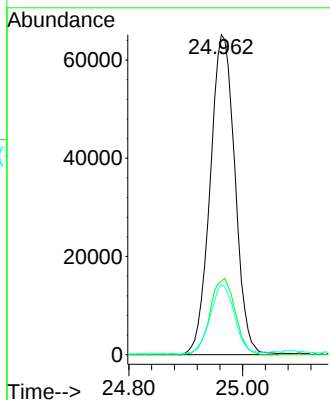
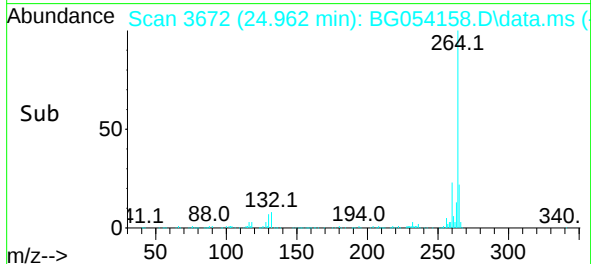
Instrument :
BNA_G
ClientSampleId :
R-1



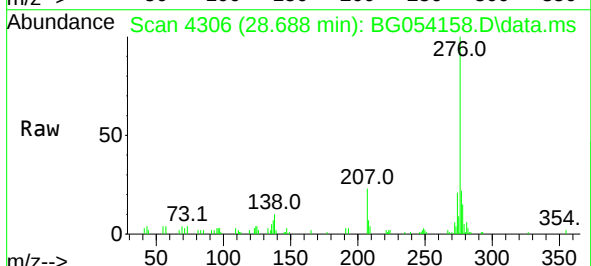
Tgt Ion:264 Resp: 19691
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 21.8 17.4 26.2

Manual Integrations
APPROVED

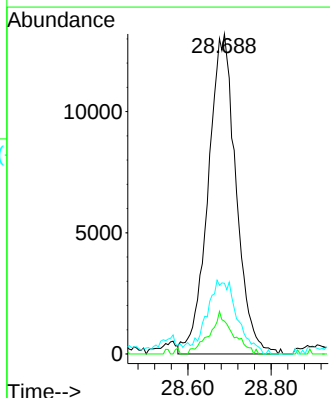
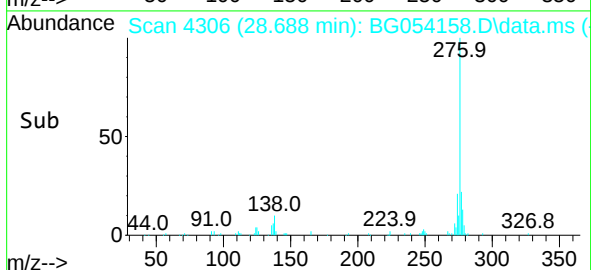
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022

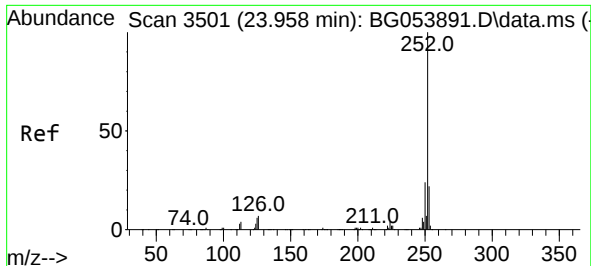


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.137 ng
RT: 28.688 min Scan# 4306
Delta R.T. 0.000 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33



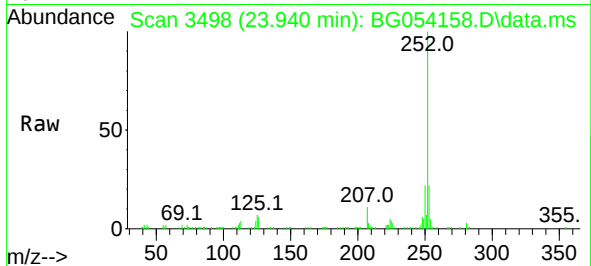
Tgt Ion:276 Resp: 61473
Ion Ratio Lower Upper
276 100
138 11.0 5.0 7.4#
277 25.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 8.304 ng m
RT: 23.940 min Scan# 34
Delta R.T. 0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

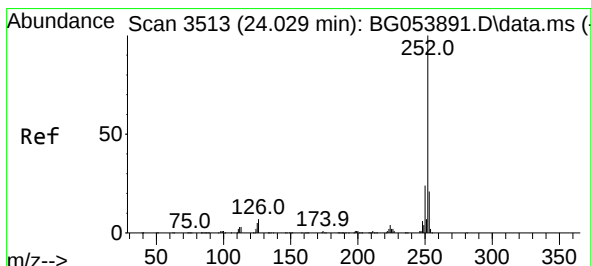
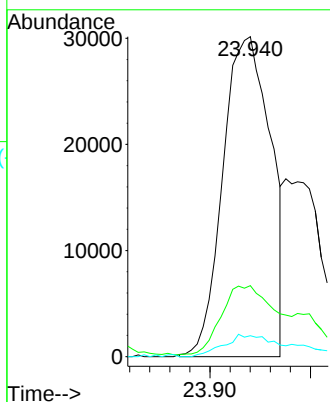
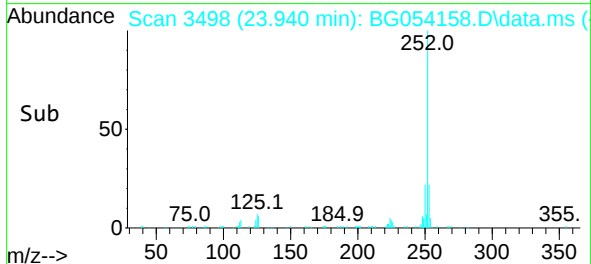
Instrument :
BNA_G
ClientSampleId :
R-1



Tgt Ion:252 Resp: 9942
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 6.5 4.6 6.8

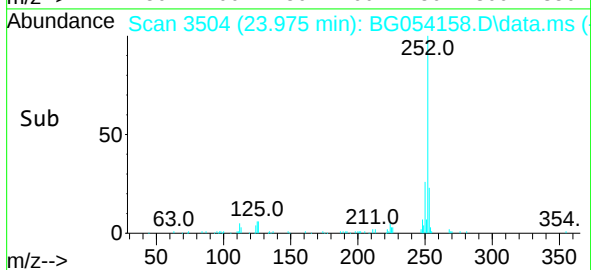
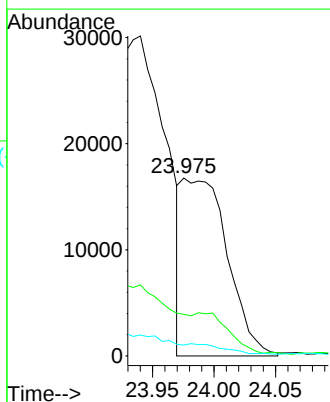
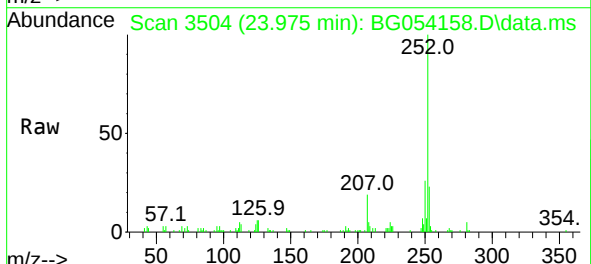
Manual Integrations
APPROVED

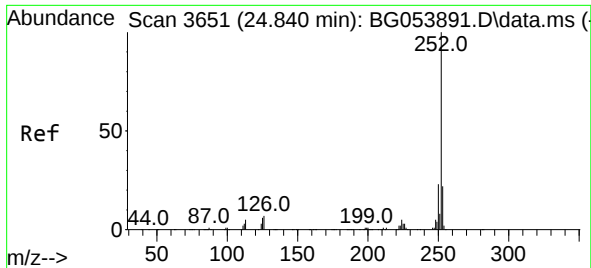
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#89
Benzo(k)fluoranthene
Concen: 3.620 ng m
RT: 23.975 min Scan# 3504
Delta R.T. -0.029 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

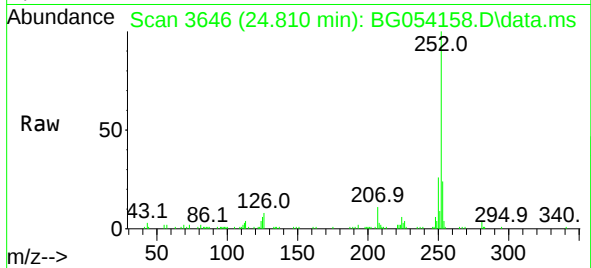
Tgt Ion:252 Resp: 42915
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 6.1 4.8 7.2





#90
Benzo(a)pyrene
Concen: 7.513 ng
RT: 24.810 min Scan# 30
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

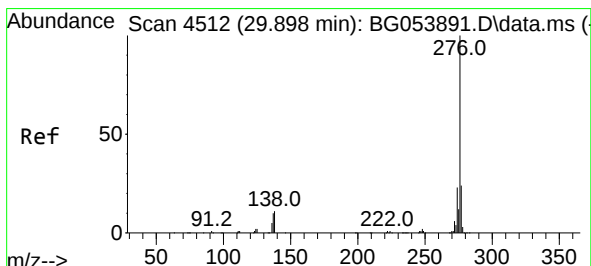
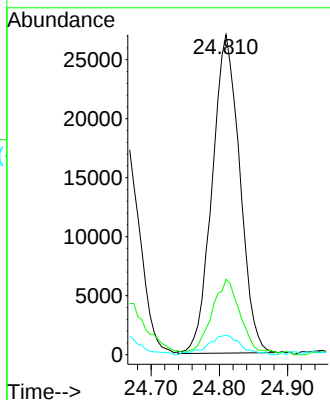
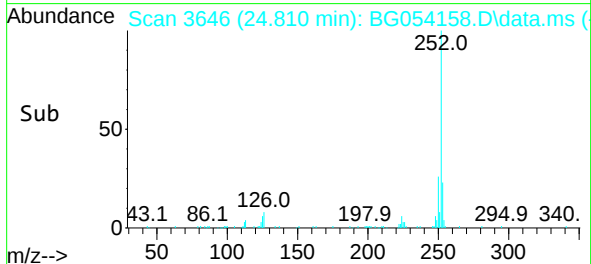
Instrument :
BNA_G
ClientSampleId :
R-1



Tgt Ion:252 Resp: 7589
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 6.1 4.3 6.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#92
Benzo(g,h,i)perylene
Concen: 4.736 ng
RT: 29.839 min Scan# 4502
Delta R.T. -0.023 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion:276 Resp: 57429
Ion Ratio Lower Upper
276 100
277 21.6 17.3 25.9
138 11.6 9.6 14.4

