

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054124.D
 Acq On : 28 Jun 2022 19:30
 Operator : CG/JU
 Sample : N3488-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-10-0-2-20220623

Manual Integrations
 APPROVED

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

Quant Time: Jun 29 00:50:15 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	8.070	152	25081	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	108854	20.000	ng	0.00
39) Acenaphthene-d10	14.698	164	79892	20.000	ng	0.00
64) Phenanthrene-d10	17.441	188	179298	20.000	ng	0.00
76) Chrysene-d12	21.719	240	172171	20.000	ng	0.00
86) Perylene-d12	24.980	264	182411	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	93963	71.627	ng	0.00
7) Phenol-d6	7.230	99	138462	77.805	ng	0.00
23) Nitrobenzene-d5	9.228	82	90187	46.559	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	70945	55.270	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	263441	47.950	ng	0.00
79) Terphenyl-d14	20.050	244	439647	51.431	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.931	128	63903	11.629	ng	99
37) 2-Methylnaphthalene	12.530	142	14068	3.460	ng	91
38) 1-Methylnaphthalene	12.747	142	7944	2.007	ng	96
52) Acenaphthene	14.756	154	69453	15.558	ng	98
55) Dibenzofuran	15.091	168	44361	6.168	ng	# 93
58) Fluorene	15.743	166	57450	9.729	ng	99
71) Phenanthrene	17.488	178	590724	64.127	ng	96
72) Anthracene	17.571	178	159406	17.721	ng	98
73) Carbazole	17.841	167	77806	10.077	ng	99
75) Fluoranthene	19.498	202	901960	74.587	ng	96
78) Pyrene	19.856	202	808666	77.766	ng	97
81) Benzo(a)anthracene	21.701	228	583161	52.312	ng	99
83) Chrysene	21.772	228	481354	45.299	ng	96
87) Indeno(1,2,3-cd)pyrene	28.716	276	337945	24.550	ng	# 96
88) Benzo(b)fluoranthene	23.957	252	681494	61.445	ng	# 98
89) Benzo(k)fluoranthene	24.010	252	254800m	23.203	ng	
90) Benzo(a)pyrene	24.833	252	515886	55.129	ng	# 97
91) Dibenzo(a,h)anthracene	28.752	278	95863	8.422	ng	92
92) Benzo(g,h,i)perylene	29.880	276	312659	27.833	ng	95

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

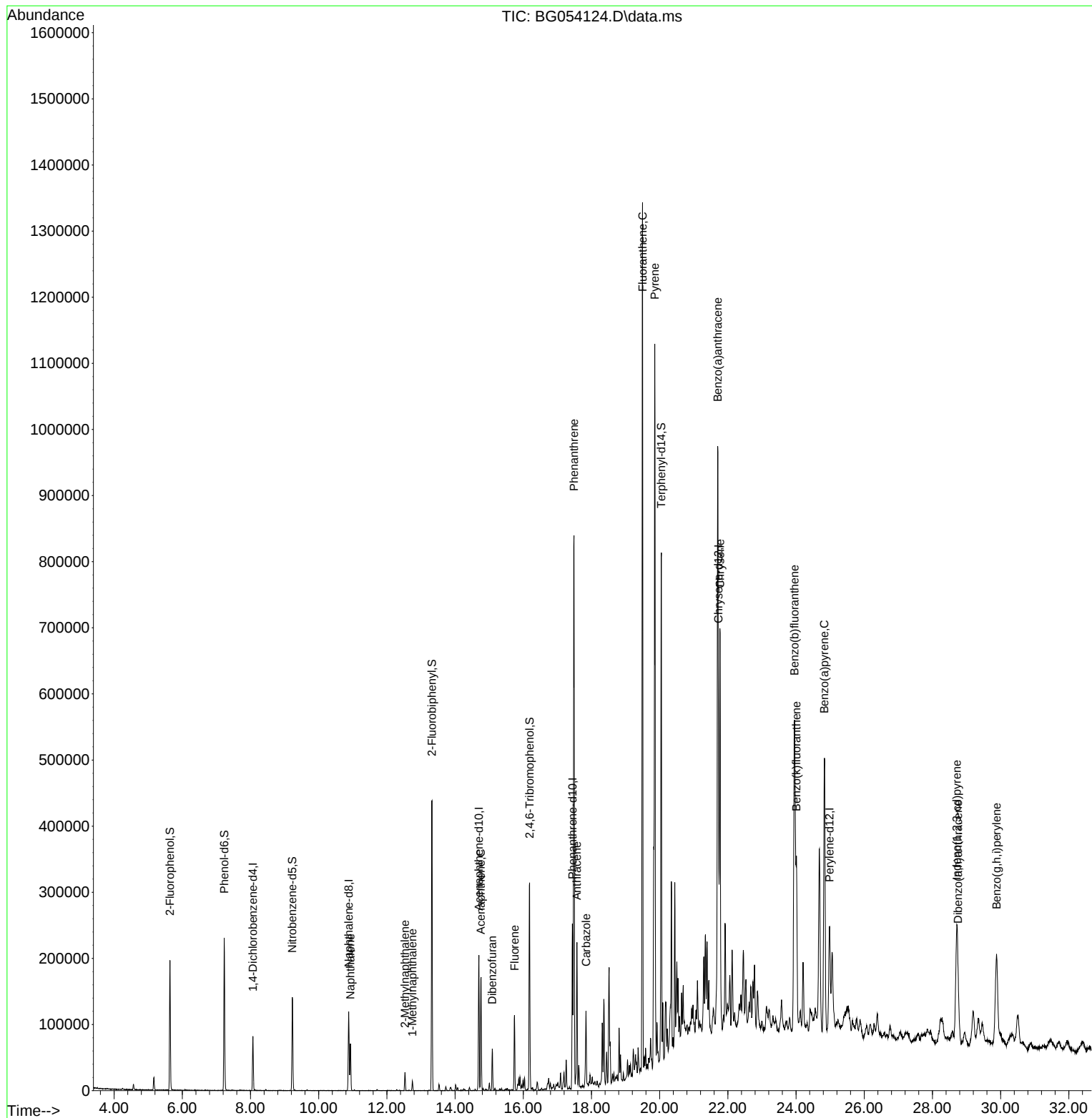
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054124.D
Acq On : 28 Jun 2022 19:30
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ALS Vial : 5 Sample Multiplier: 1

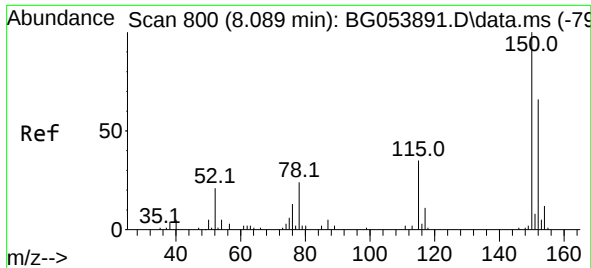
Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623

Quant Time: Jun 29 00:50:15 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
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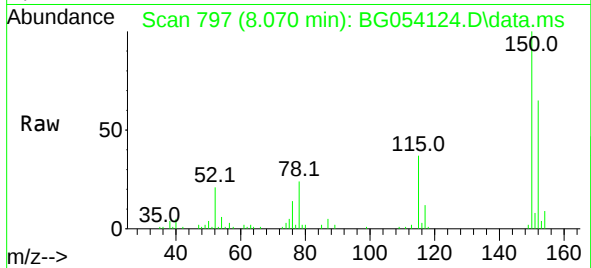
Reviewed By : Christian Giraldo 06/29/2022
Supervised By : Jagrut Upadhyay 06/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.070 min Scan# 79
Delta R.T. 0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

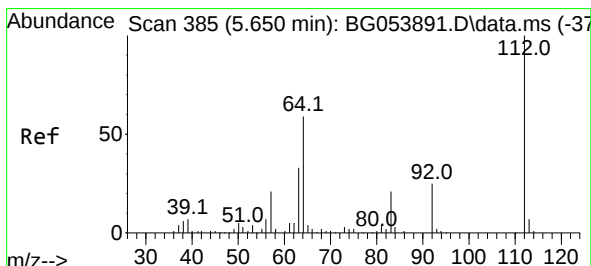
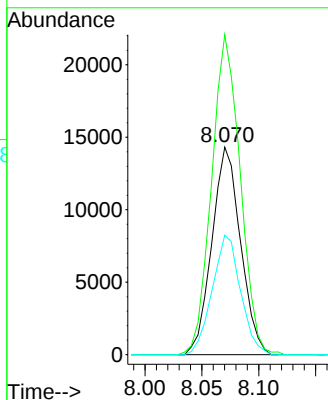
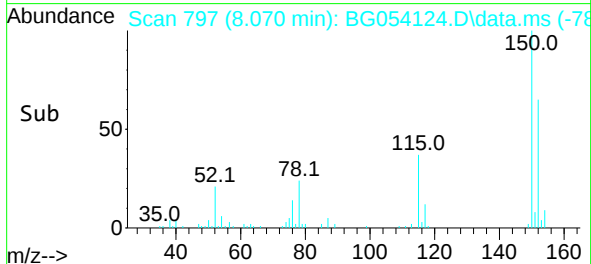
Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623



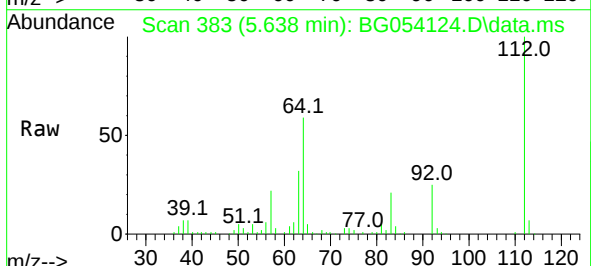
Tgt Ion:152 Resp: 2508
Ion Ratio Lower Upper
152 100
150 154.2 131.6 197.4
115 57.6 50.9 76.3

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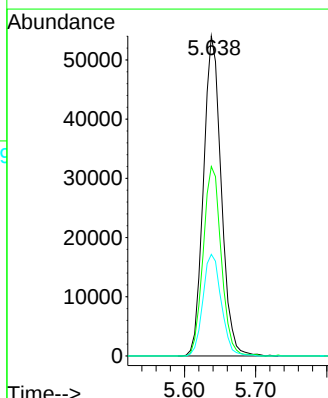
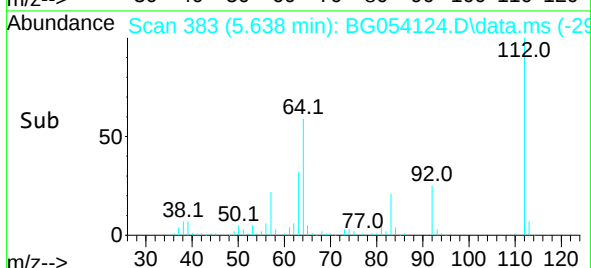
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

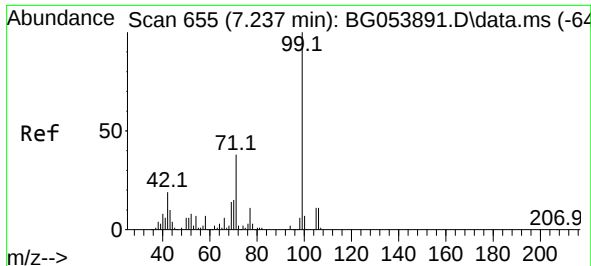


#5
2-Fluorophenol
Concen: 71.627 ng
RT: 5.638 min Scan# 383
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30



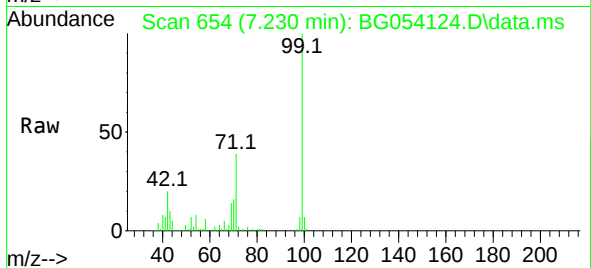
Tgt Ion:112 Resp: 93963
Ion Ratio Lower Upper
112 100
64 59.2 55.1 82.7
63 31.8 30.4 45.6





#7
Phenol-d6
Concen: 77.805 ng
RT: 7.230 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

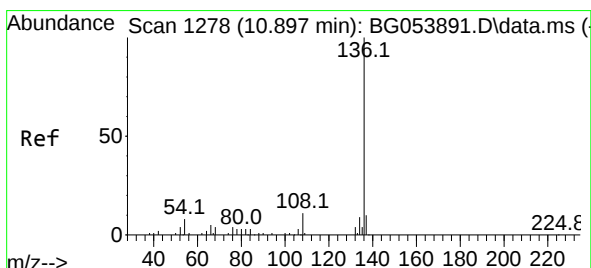
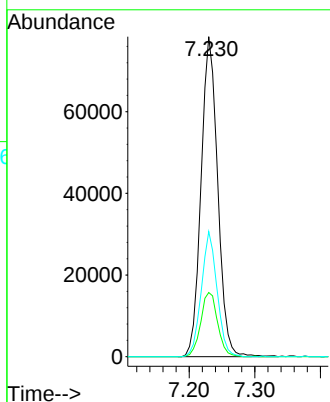
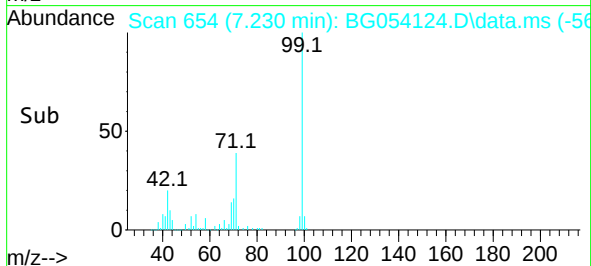
Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623



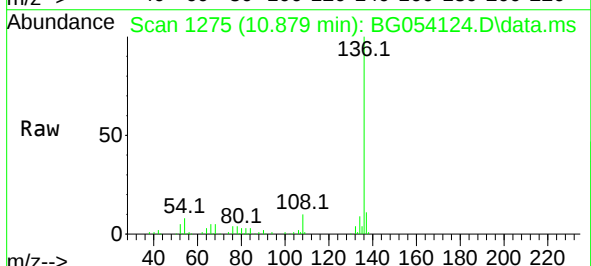
Tgt Ion: 99 Resp: 138462
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.6
71 39.1 33.8 50.8

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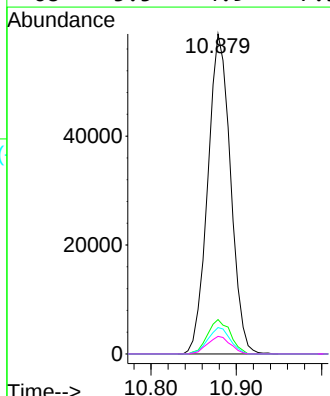
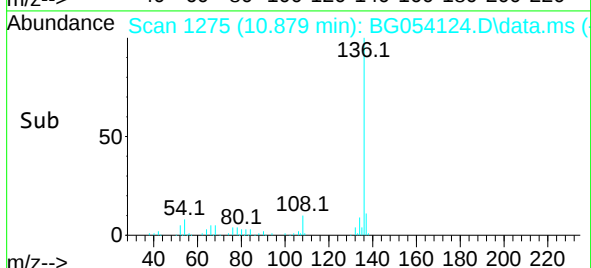
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

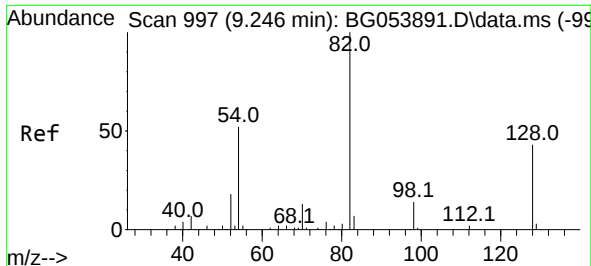


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30



Tgt Ion:136 Resp: 108854
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 8.3 7.4 11.2
68 5.5 4.9 7.3





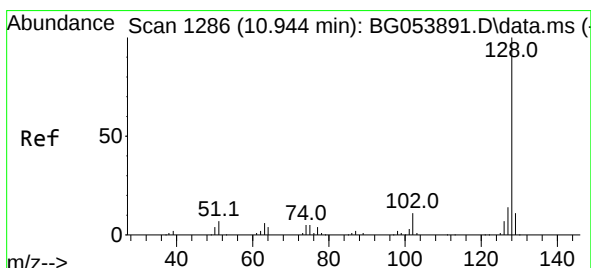
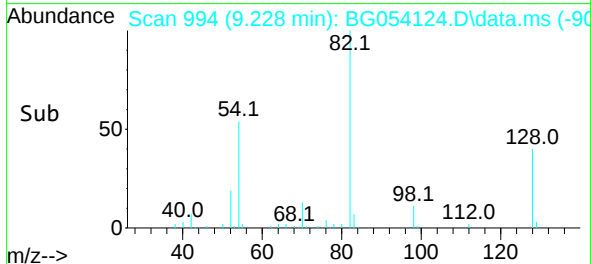
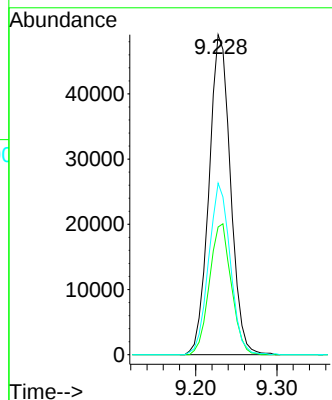
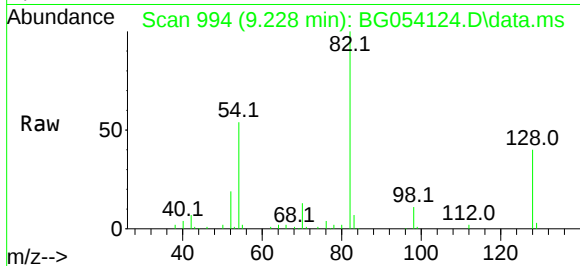
#23
Nitrobenzene-d5
Concen: 46.559 ng
RT: 9.228 min Scan# 9018
Delta R.T. -0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623

Tgt Ion: 82 Resp: 9018
Ion Ratio Lower Upper
82 100
128 39.9 27.9 41.9
54 53.6 41.2 61.8

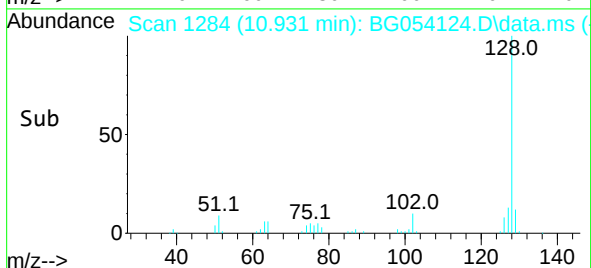
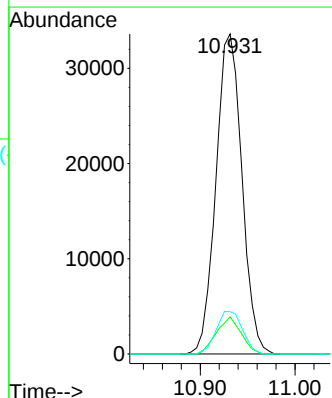
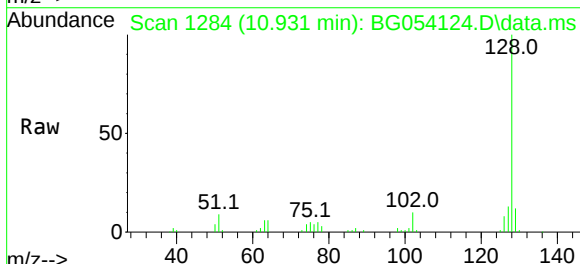
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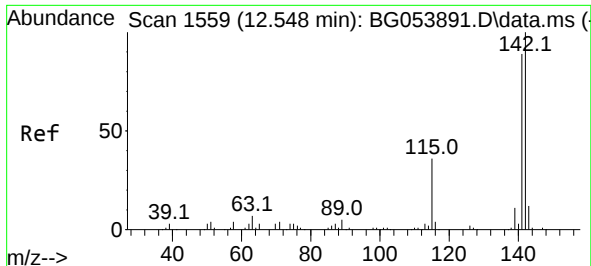
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#31
Naphthalene
Concen: 11.629 ng
RT: 10.931 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Tgt Ion:128 Resp: 63903
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.2 11.1 16.7





#37

2-Methylnaphthalene

Concen: 3.460 ng

RT: 12.530 min Scan# 1556

Delta R.T. -0.000 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

Instrument :

BNA_G

ClientSampleId :

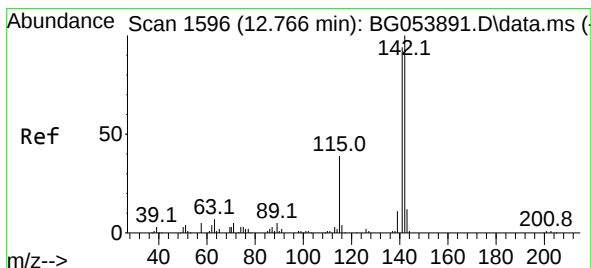
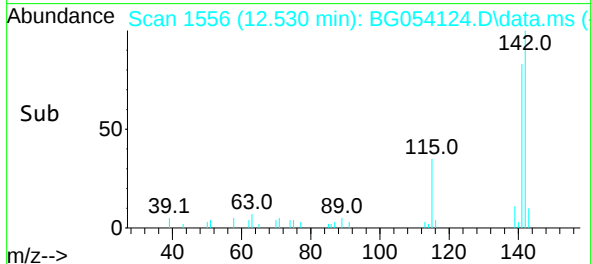
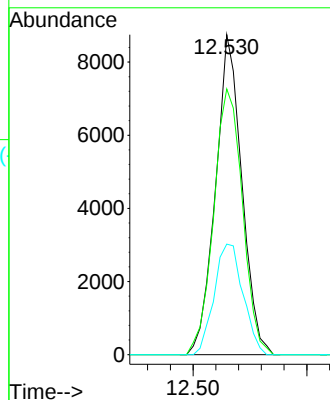
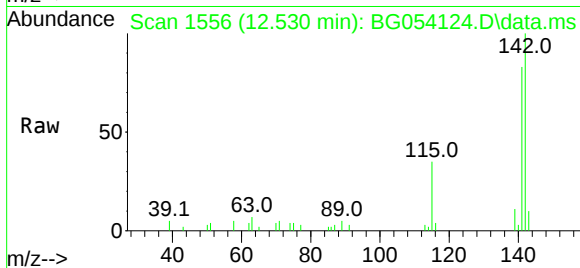
SB-10-0-2-20220623

Tgt Ion:	142	Resp:	1406
Ion Ratio	Lower	Upper	
142	100		
141	83.0	72.3	108.5
115	34.6	33.7	50.5

Manual Integrations

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



#38

1-Methylnaphthalene

Concen: 2.007 ng

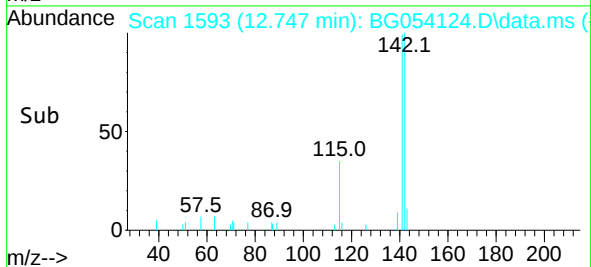
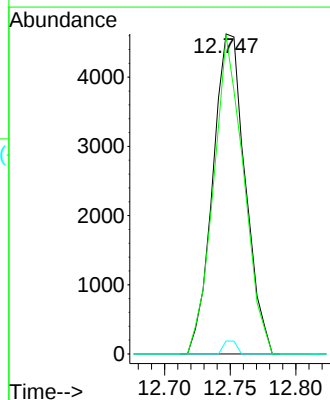
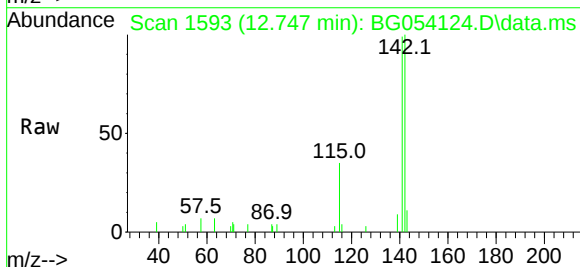
RT: 12.747 min Scan# 1593

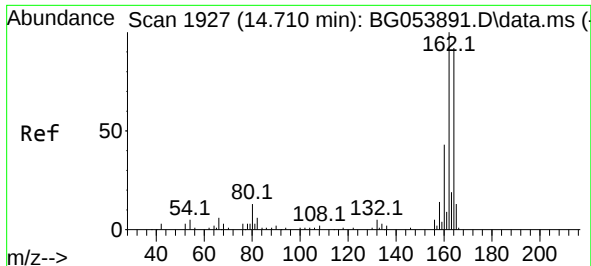
Delta R.T. -0.000 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

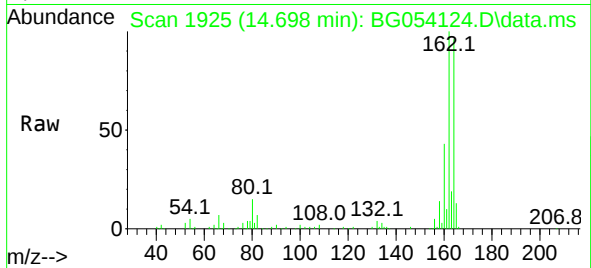
Tgt Ion:	142	Resp:	7944
Ion Ratio	Lower	Upper	
142	100		
141	99.3	76.4	114.6
116	4.1	3.3	4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.698 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

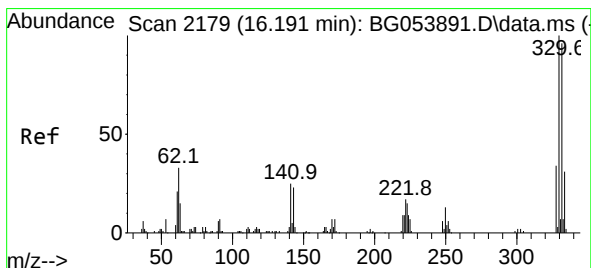
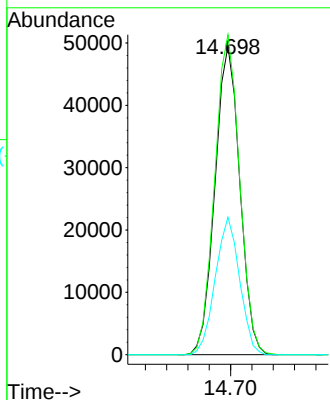
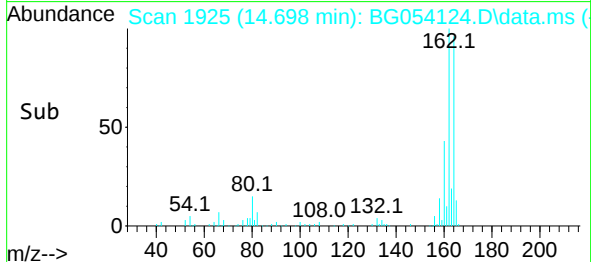
Instrument :
BNA_G
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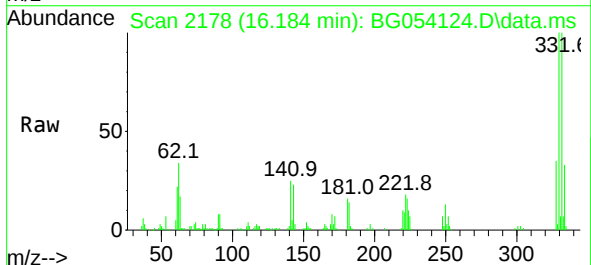
Tgt Ion:164 Resp: 79892
Ion Ratio Lower Upper
164 100
162 103.8 82.3 123.5
160 44.6 34.2 51.2

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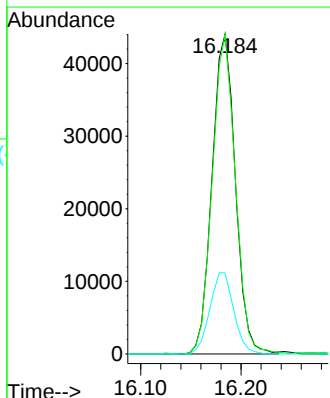
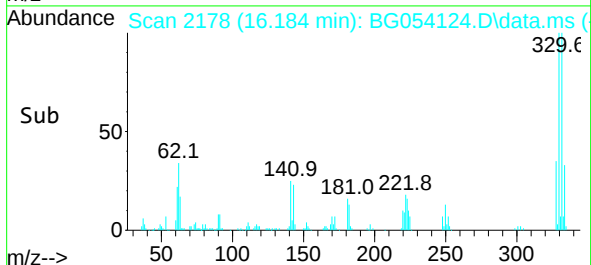
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

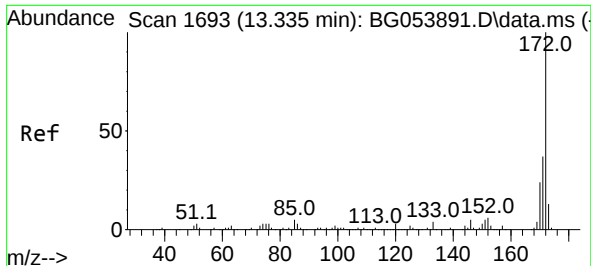


#42
2,4,6-Tribromophenol
Concen: 55.270 ng
RT: 16.184 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30



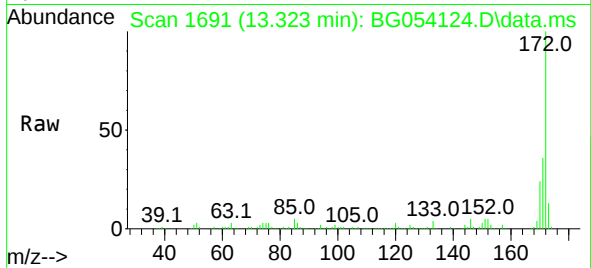
Tgt Ion:330 Resp: 70945
Ion Ratio Lower Upper
330 100
332 98.6 76.0 114.0
141 26.1 27.1 40.7#





#45
2-Fluorobiphenyl
Concen: 47.950 ng
RT: 13.323 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

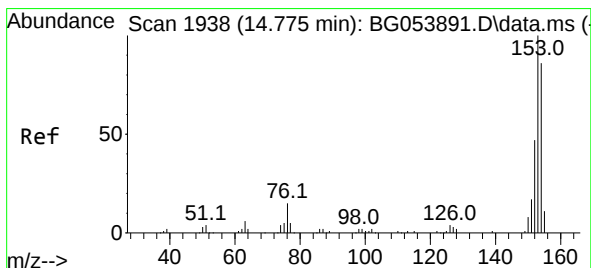
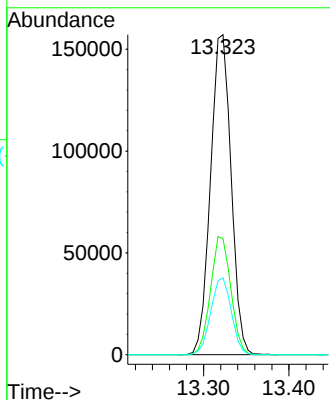
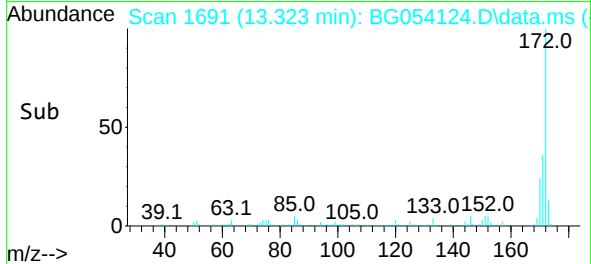
Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623



Tgt Ion:172 Resp: 26344
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.0 18.9 28.3

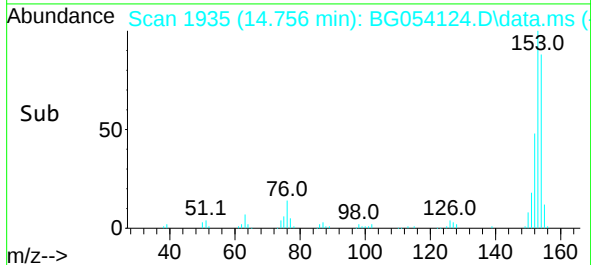
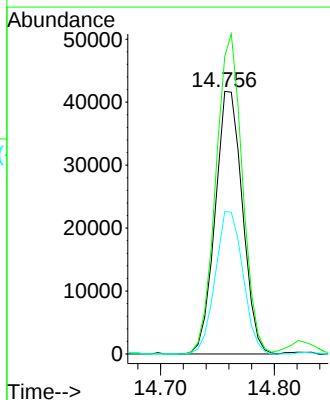
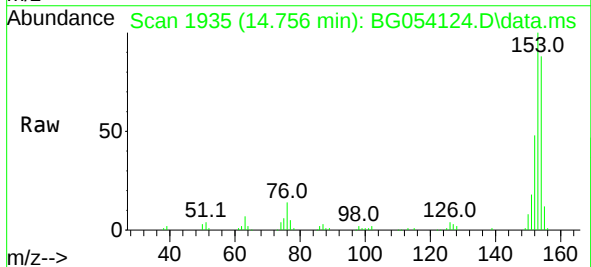
Manual Integrations
APPROVED

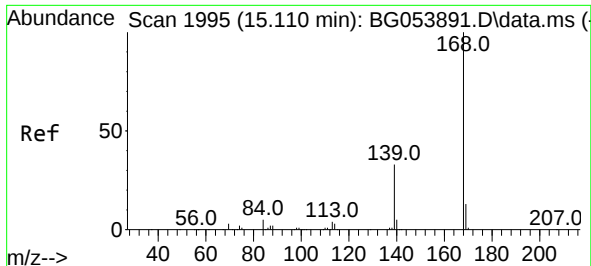
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#52
Acenaphthene
Concen: 15.558 ng
RT: 14.756 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

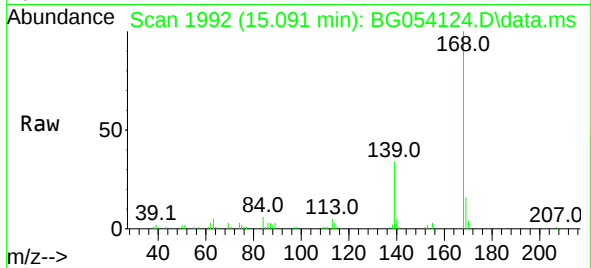
Tgt Ion:154 Resp: 69453
Ion Ratio Lower Upper
154 100
153 113.4 92.7 139.1
152 54.3 42.6 64.0





#55
Dibenzofuran
Concen: 6.168 ng
RT: 15.091 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

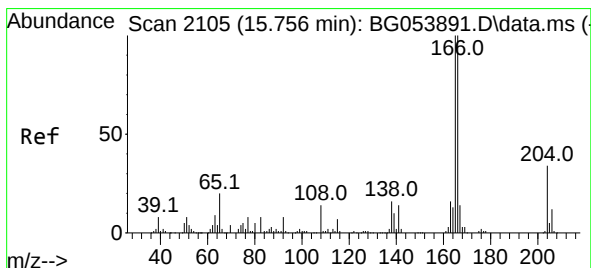
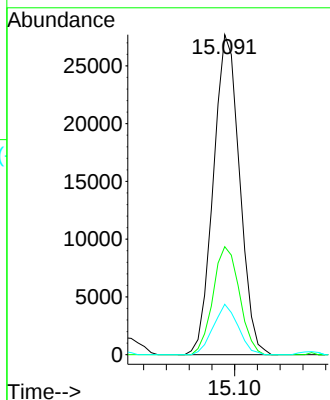
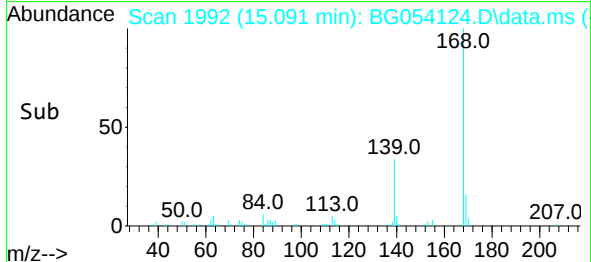
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ClientSampleId :
SB-10-0-2-20220623



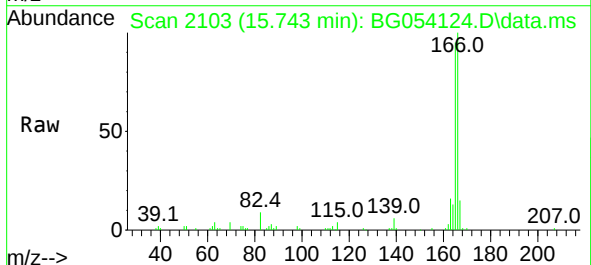
Tgt Ion:168 Resp: 4436
Ion Ratio Lower Upper
168 100
139 33.8 30.5 45.7
169 15.8 10.3 15.5

Manual Integrations
APPROVED

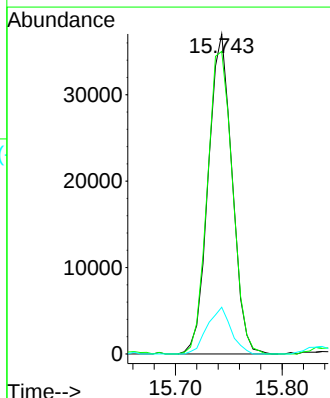
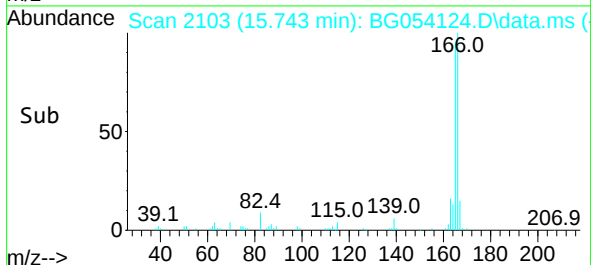
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022

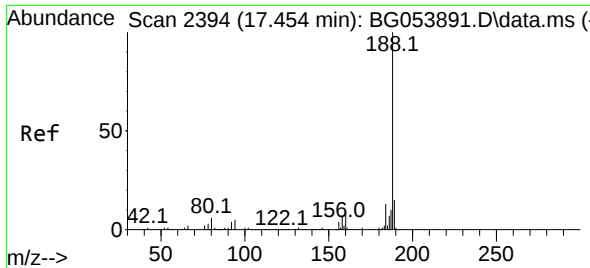


#58
Fluorene
Concen: 9.729 ng
RT: 15.743 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30



Tgt Ion:166 Resp: 57450
Ion Ratio Lower Upper
166 100
165 94.5 75.0 112.6
167 14.6 10.8 16.2





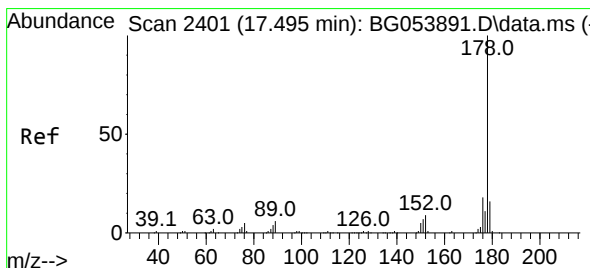
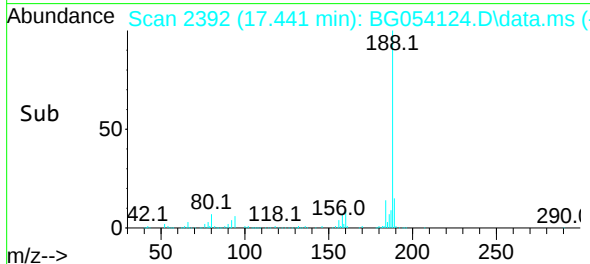
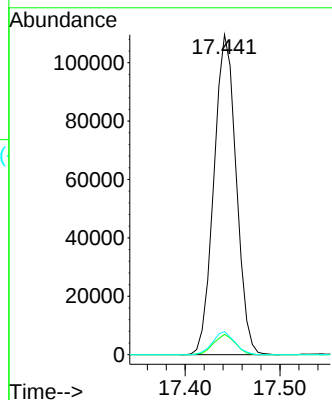
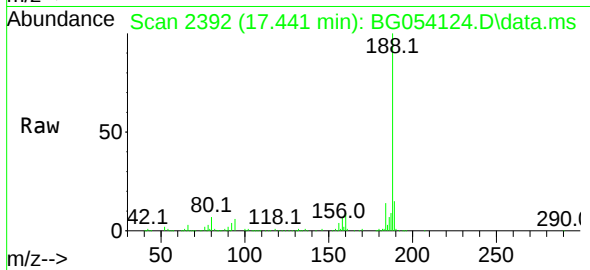
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.441 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623

Tgt Ion:188 Resp: 179298
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.0
80 7.2 6.8 10.2

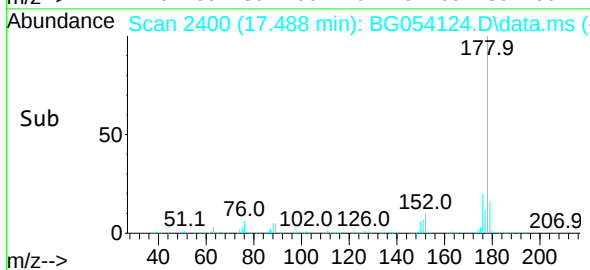
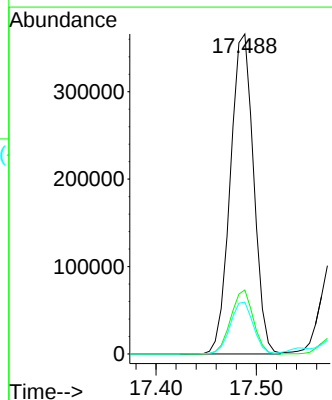
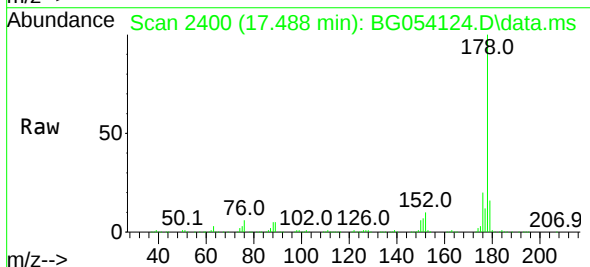
Manual Integrations
APPROVED

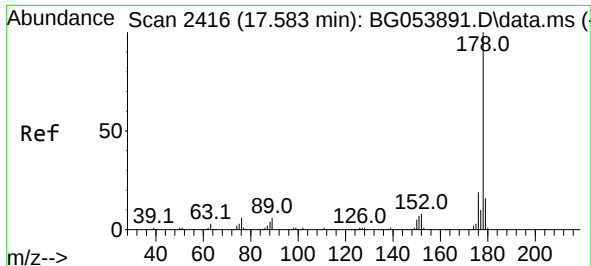
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#71
Phenanthrene
Concen: 64.127 ng
RT: 17.488 min Scan# 2400
Delta R.T. 0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

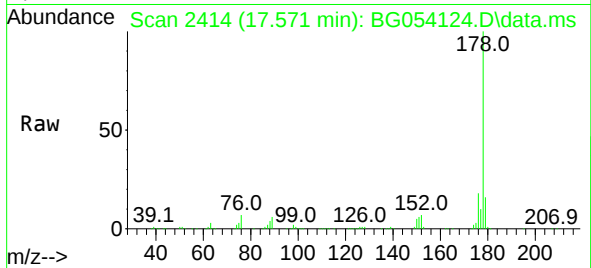
Tgt Ion:178 Resp: 590724
Ion Ratio Lower Upper
178 100
176 20.0 14.1 21.1
179 16.2 12.1 18.1





#72
 Anthracene
 Concen: 17.721 ng
 RT: 17.571 min Scan# 2416
 Delta R.T. -0.006 min
 Lab File: BG054124.D
 Acq: 28 Jun 2022 19:30

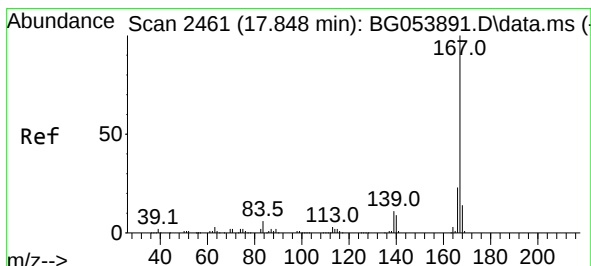
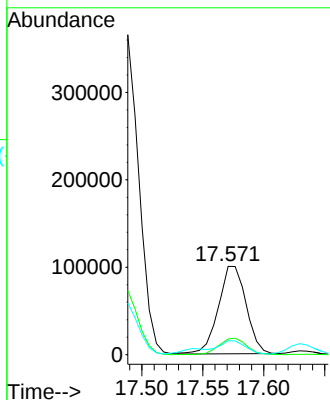
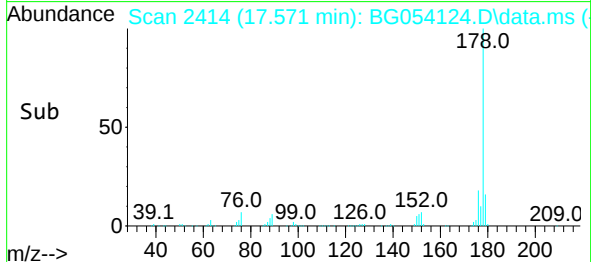
Instrument :
 BNA_G
 ClientSampleId :
 SB-10-0-2-20220623



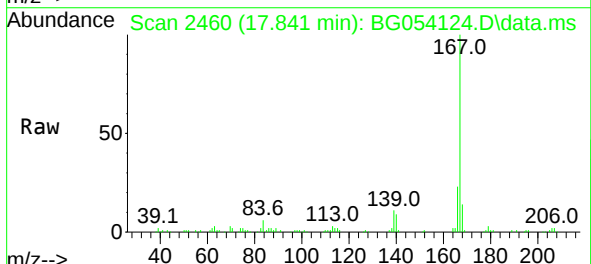
Tgt Ion:178 Resp: 159400
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.2 22.8
 179 15.7 13.0 19.4

Manual Integrations
 APPROVED

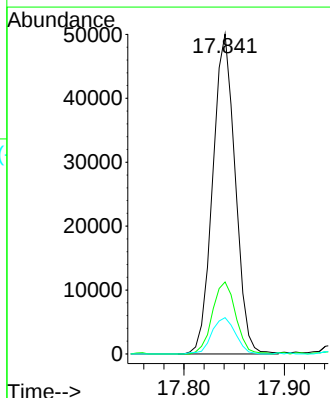
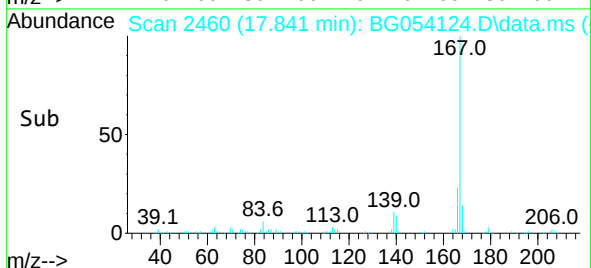
Reviewed By :Christian Giraldo 06/29/2022
 Supervised By :Jagrut Upadhyay 06/29/2022

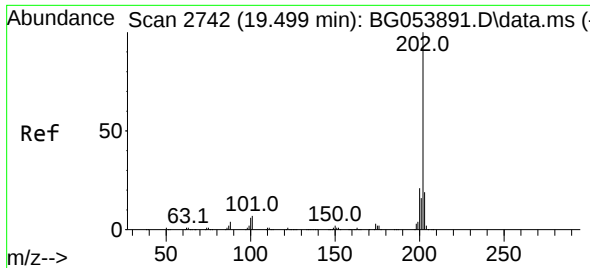


#73
 Carbazole
 Concen: 10.077 ng
 RT: 17.841 min Scan# 2460
 Delta R.T. -0.000 min
 Lab File: BG054124.D
 Acq: 28 Jun 2022 19:30



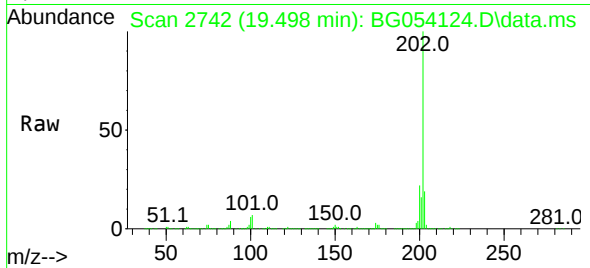
Tgt Ion:167 Resp: 77806
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.2 27.2
 139 11.3 10.1 15.1





#75
Fluoranthene
Concen: 74.587 ng
RT: 19.498 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

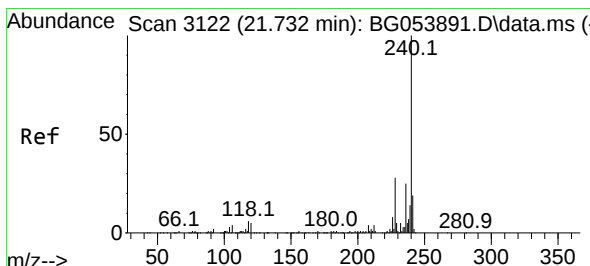
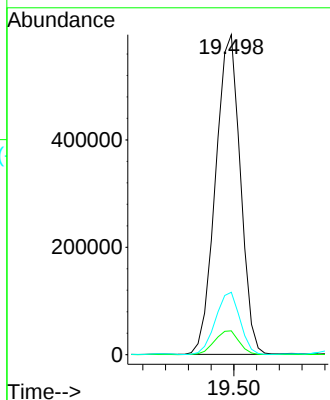
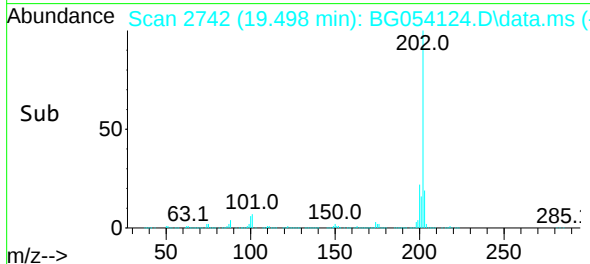
Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623



Tgt Ion:202 Resp: 901960
Ion Ratio Lower Upper
202 100
101 7.4 0.0 26.9
203 19.5 0.0 37.2

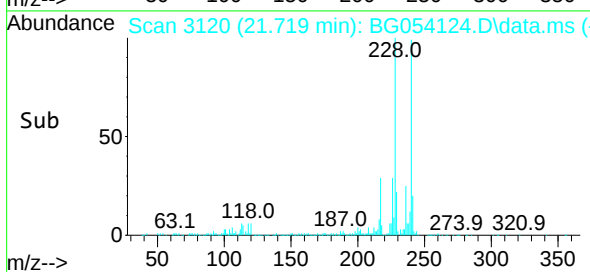
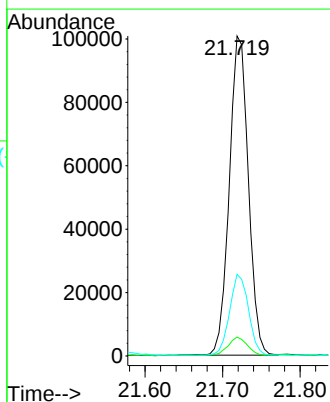
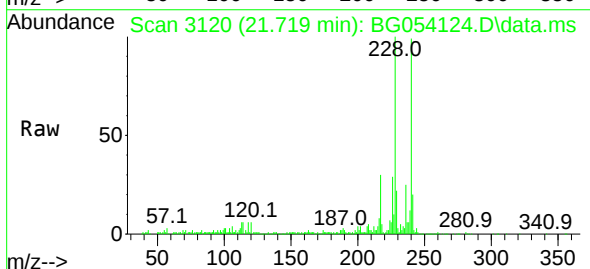
Manual Integrations
APPROVED

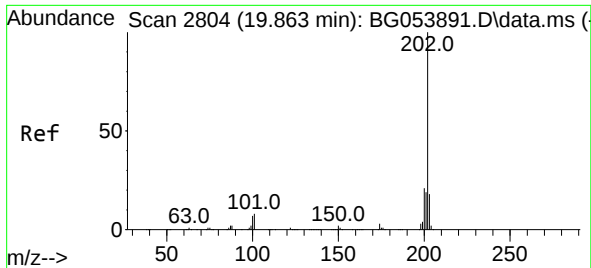
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.719 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

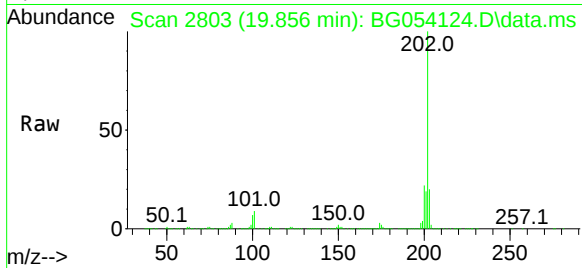
Tgt Ion:240 Resp: 172171
Ion Ratio Lower Upper
240 100
120 5.9 4.6 7.0
236 25.6 20.2 30.4





#78
 Pyrene
 Concen: 77.766 ng
 RT: 19.856 min Scan# 2803
 Delta R.T. 0.006 min
 Lab File: BG054124.D
 Acq: 28 Jun 2022 19:30

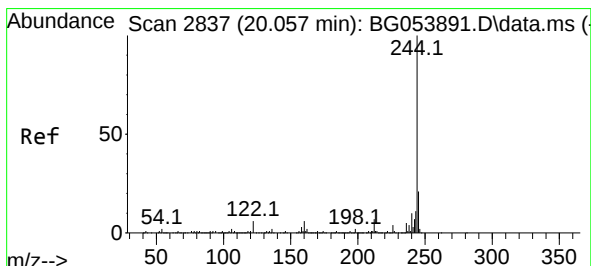
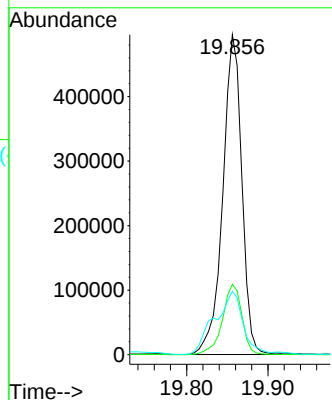
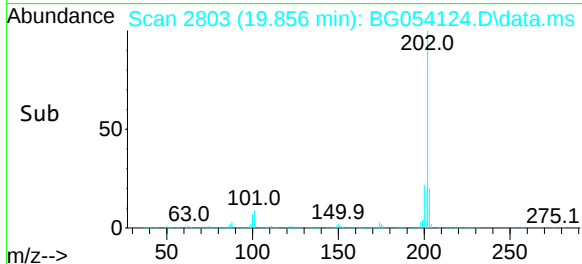
Instrument :
 BNA_G
 ClientSampleId :
 SB-10-0-2-20220623



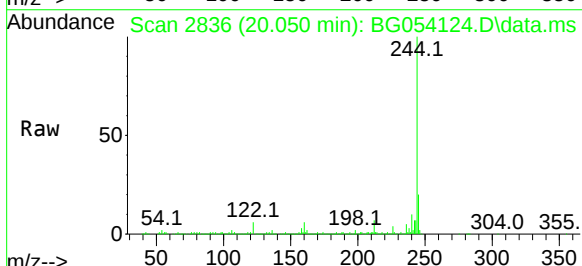
Tgt Ion:202 Resp: 808660
 Ion Ratio Lower Upper
 202 100
 200 22.0 16.6 24.8
 203 19.9 14.6 21.8

Manual Integrations
 APPROVED

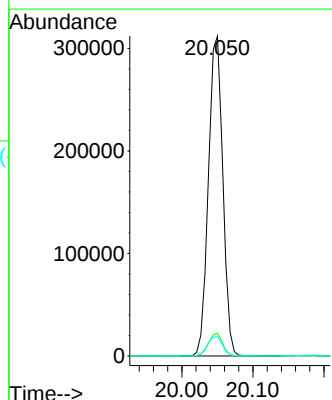
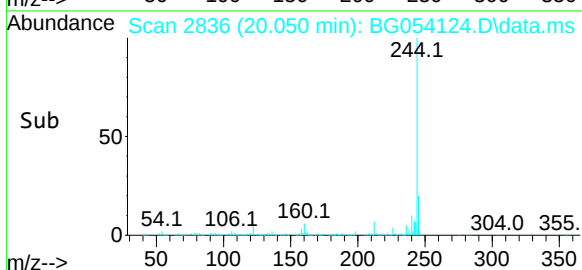
Reviewed By :Christian Giraldo 06/29/2022
 Supervised By :Jagrut Upadhyay 06/29/2022

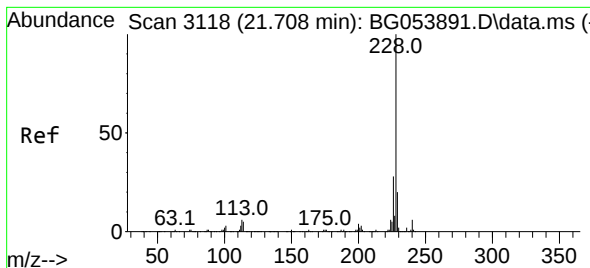


#79
 Terphenyl-d14
 Concen: 51.431 ng
 RT: 20.050 min Scan# 2836
 Delta R.T. 0.006 min
 Lab File: BG054124.D
 Acq: 28 Jun 2022 19:30



Tgt Ion:244 Resp: 439647
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.5 9.7
 122 6.1 5.0 7.4





#81

Benzo(a)anthracene

Concen: 52.312 ng

RT: 21.701 min Scan# 3117

Delta R.T. 0.006 min

Lab File: BG054124.D

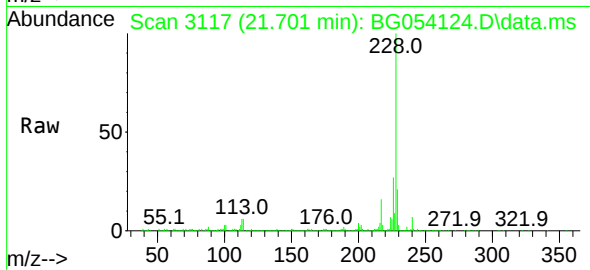
Acq: 28 Jun 2022 19:30

Instrument :

BNA_G

ClientSampleId :

SB-10-0-2-20220623



Tgt Ion:228 Resp: 58316

Ion Ratio Lower Upper

228 100

226 27.5 21.6 32.4

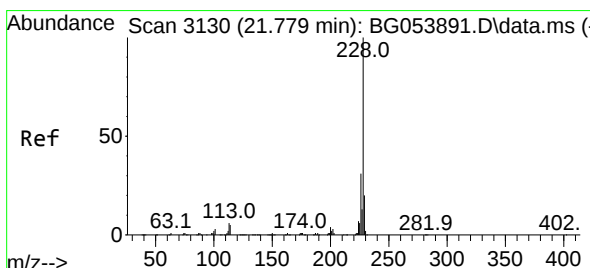
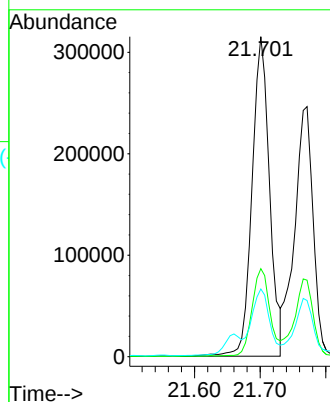
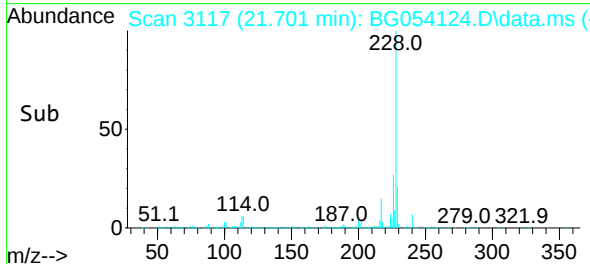
229 21.2 16.2 24.2

Manual Integrations

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Reviewed By :Christian Giraldo 06/29/2022

Supervised By :Jagrut Upadhyay 06/29/2022



#83

Chrysene

Concen: 45.299 ng

RT: 21.772 min Scan# 3129

Delta R.T. 0.011 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

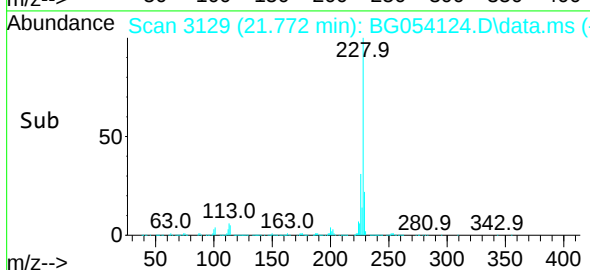
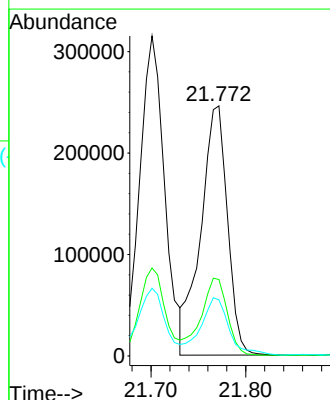
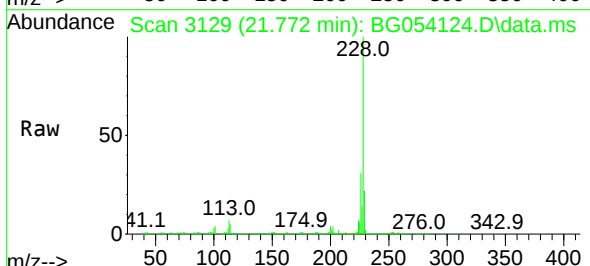
Tgt Ion:228 Resp: 481354

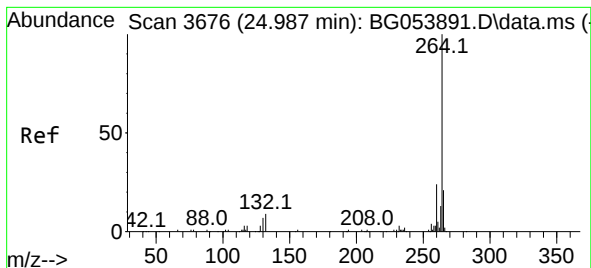
Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 22.5 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.980 min Scan# 30

Delta R.T. 0.017 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

Instrument :

BNA_G

ClientSampleId :

SB-10-0-2-20220623

Tgt Ion:264 Resp: 18241

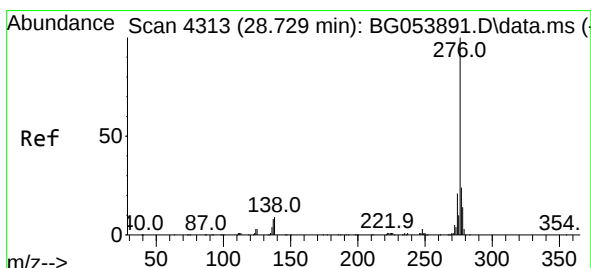
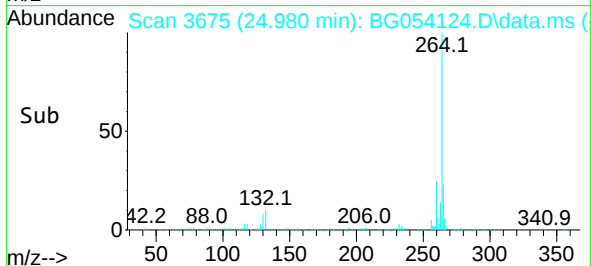
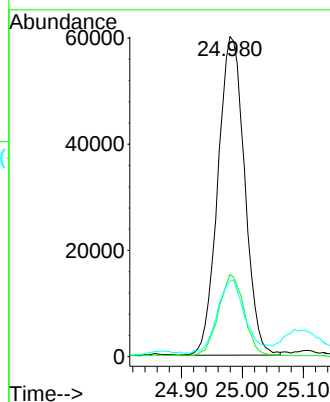
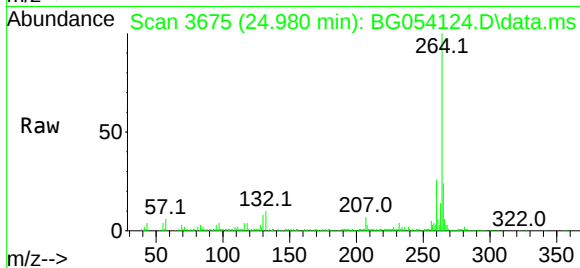
Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.0	28.6
265	23.7	17.4	26.2

Manual Integrations

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Reviewed By :Christian Giraldo 06/29/2022

Supervised By :Jagrut Upadhyay 06/29/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 24.550 ng

RT: 28.716 min Scan# 4311

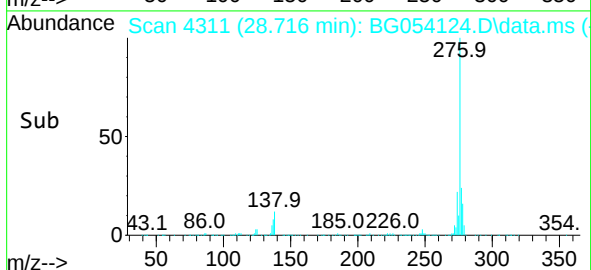
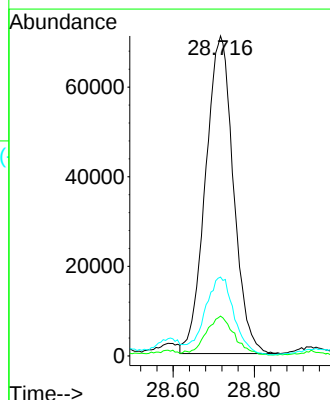
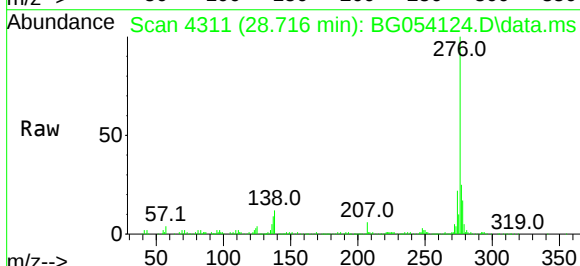
Delta R.T. 0.029 min

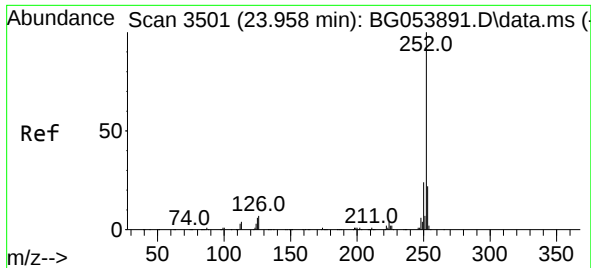
Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

Tgt Ion:276 Resp: 337945

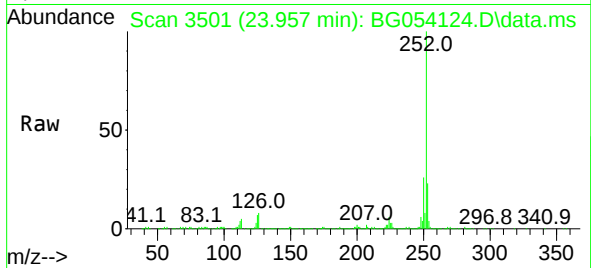
Ion	Ratio	Lower	Upper
276	100		
138	12.6	5.0	7.4#
277	25.4	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 61.445 ng
RT: 23.957 min Scan# 3501
Delta R.T. 0.023 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

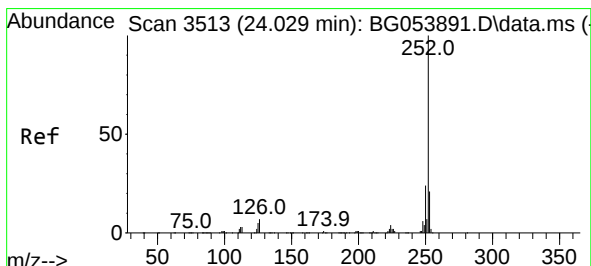
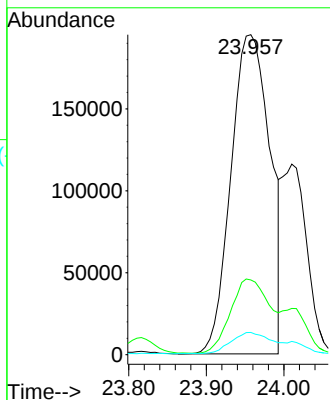
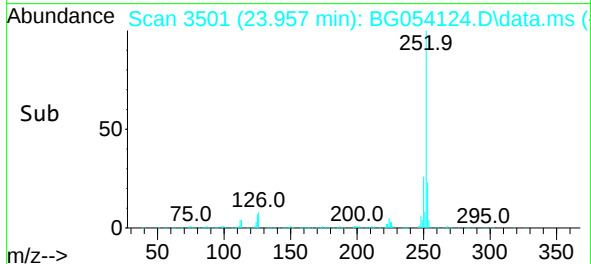
Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623



Tgt Ion:252 Resp: 681494
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 7.0 4.6 6.8

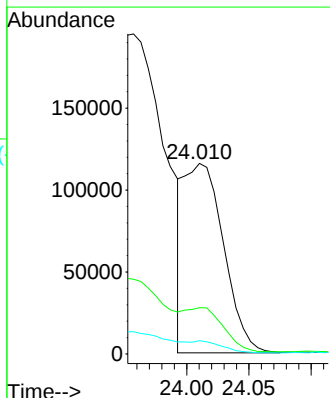
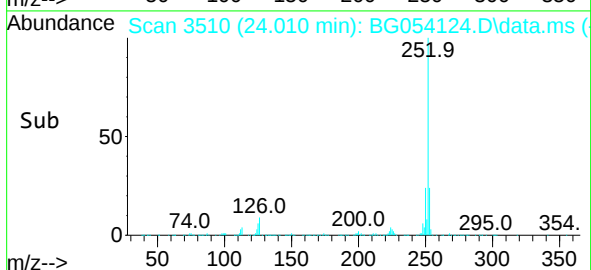
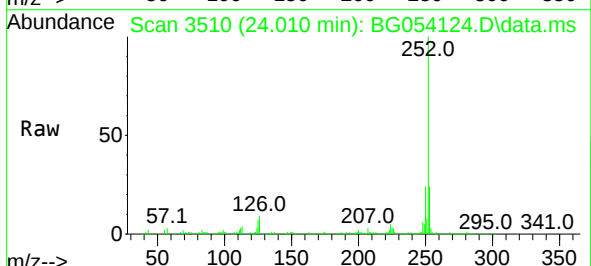
Manual Integrations
APPROVED

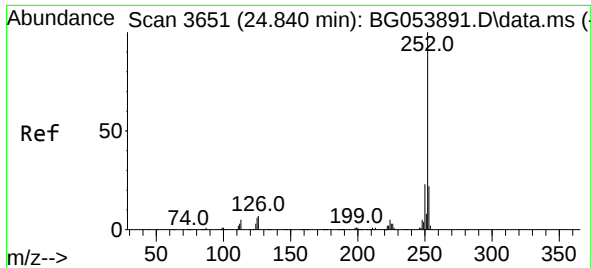
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#89
Benzo(k)fluoranthene
Concen: 23.203 ng m
RT: 24.010 min Scan# 3510
Delta R.T. 0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

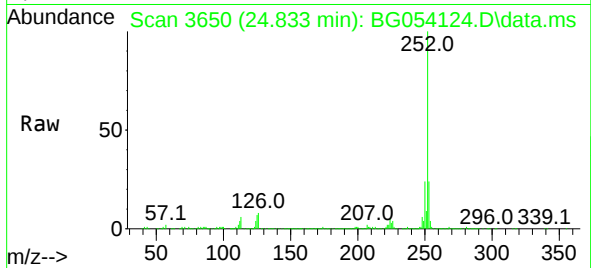
Tgt Ion:252 Resp: 254800
Ion Ratio Lower Upper
252 100
253 24.3 18.4 27.6
125 6.9 4.8 7.2





#90
Benzo(a)pyrene
Concen: 55.129 ng
RT: 24.833 min Scan# 30
Delta R.T. 0.017 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

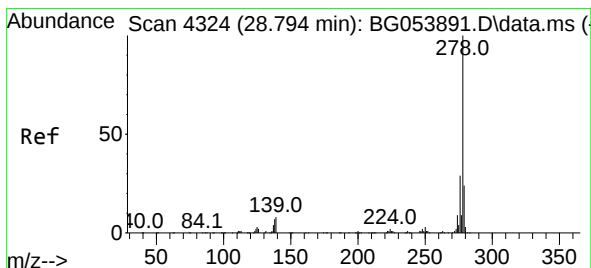
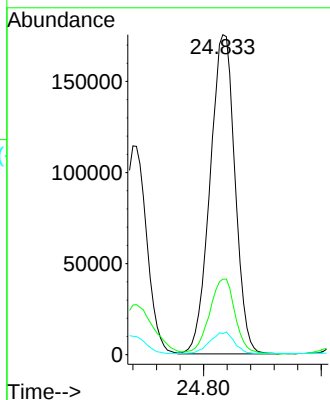
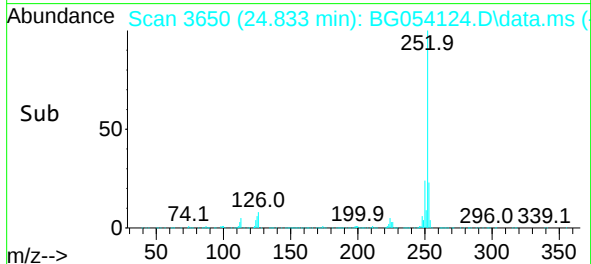
Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623



Tgt Ion:252 Resp: 51588
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 6.6 4.3 6.5

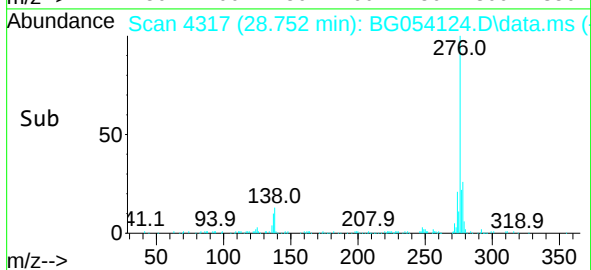
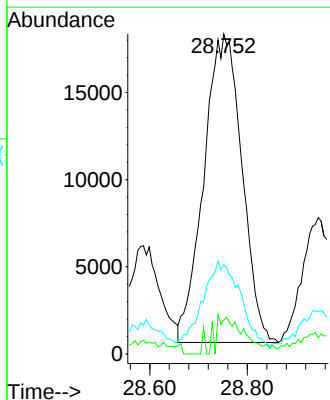
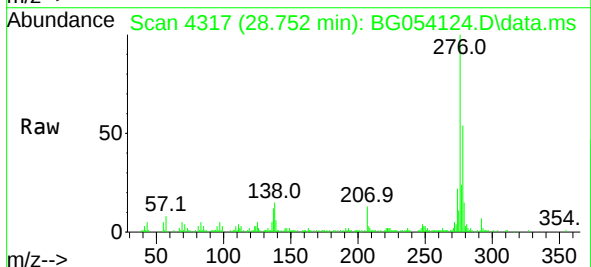
Manual Integrations
APPROVED

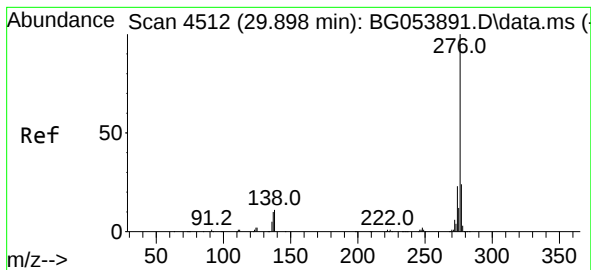
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#91
Dibenzo(a,h)anthracene
Concen: 8.422 ng
RT: 28.752 min Scan# 4317
Delta R.T. 0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

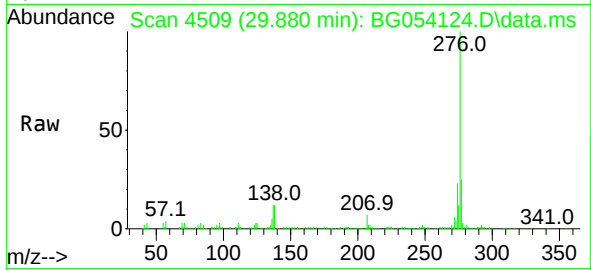
Tgt Ion:278 Resp: 95863
Ion Ratio Lower Upper
278 100
139 10.6 7.2 10.8
279 27.8 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 27.833 ng
RT: 29.880 min Scan# 4512
Delta R.T. 0.017 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Instrument :
BNA_G
ClientSampleId :
SB-10-0-2-20220623



Tgt Ion:276 Resp: 312659
Ion Ratio Lower Upper
276 100
277 24.9 17.3 25.9
138 11.8 9.6 14.4

Manual Integrations
APPROVED

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

