

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054129.D
 Acq On : 28 Jun 2022 22:47
 Operator : CG/JU
 Sample : N3488-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-9-0-2-20220623

Manual Integrations
 APPROVED

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

Quant Time: Jun 29 02:00:10 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	28226	20.000	ng	0.00
21) Naphthalene-d8	10.882	136	116828	20.000	ng	0.00
39) Acenaphthene-d10	14.701	164	80143	20.000	ng	0.00
64) Phenanthrene-d10	17.444	188	177474	20.000	ng	# 0.00
76) Chrysene-d12	21.722	240	170807	20.000	ng	0.00
86) Perylene-d12	24.983	264	180204	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.641	112	178636	121.001	ng	0.00
7) Phenol-d6	7.233	99	240508	120.089	ng	0.00
23) Nitrobenzene-d5	9.230	82	159412	76.680	ng	0.00
42) 2,4,6-Tribromophenol	16.187	330	135134	104.947	ng	0.00
45) 2-Fluorobiphenyl	13.320	172	417772	75.802	ng	0.00
79) Terphenyl-d14	20.047	244	646199	76.197	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.929	128	13190	2.236	ng	98
52) Acenaphthene	14.759	154	19418	4.336	ng	97
58) Fluorene	15.741	166	16554	2.794	ng	90
71) Phenanthrene	17.486	178	292955	32.129	ng	98
72) Anthracene	17.574	178	78360	8.800	ng	99
73) Carbazole	17.844	167	46615	6.099	ng	98
75) Fluoranthene	19.495	202	736058	61.494	ng	96
78) Pyrene	19.859	202	639969	62.035	ng	97
81) Benzo(a)anthracene	21.704	228	490169	44.321	ng	97
83) Chrysene	21.769	228	407598m	38.665	ng	
87) Indeno(1,2,3-cd)pyrene	28.719	276	254015	18.679	ng	# 96
88) Benzo(b)fluoranthene	23.954	252	646467	59.001	ng	97
89) Benzo(k)fluoranthene	24.013	252	233188m	21.495	ng	
90) Benzo(a)pyrene	24.836	252	447619	48.419	ng	# 96
91) Dibenzo(a,h)anthracene	28.755	278	71340	6.344	ng	# 89
92) Benzo(g,h,i)perylene	29.889	276	252303	22.735	ng	95

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

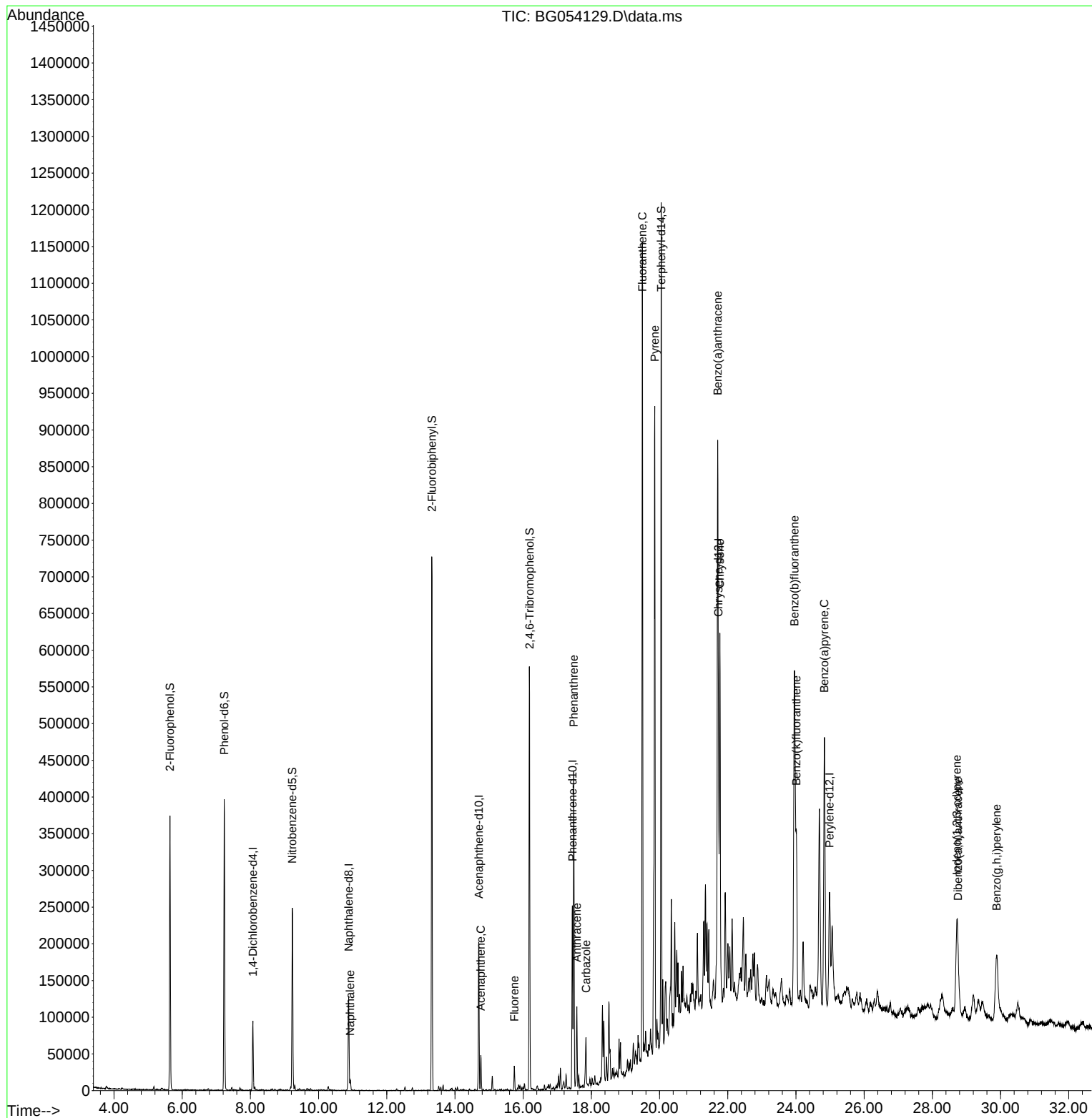
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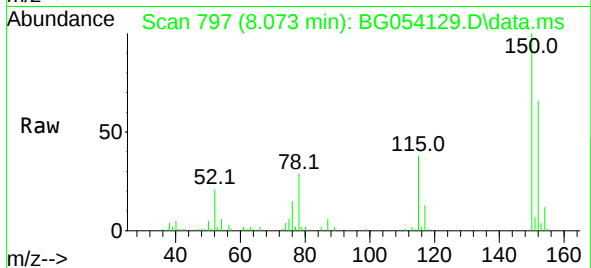
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.073 min Scan# 79
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

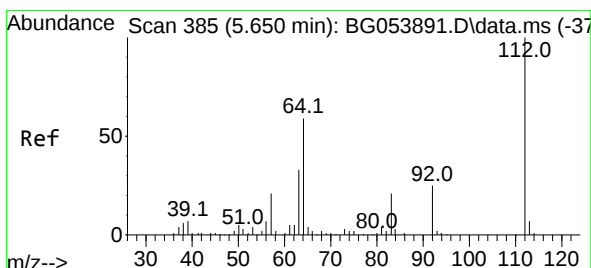
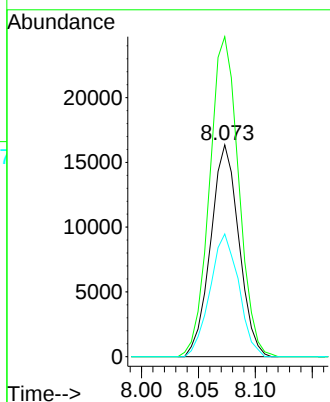
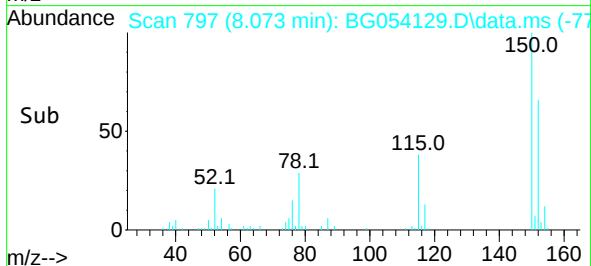
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SB-9-0-2-20220623



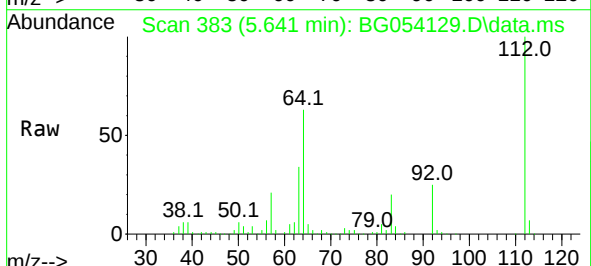
Tgt Ion:152 Resp: 28220
Ion Ratio Lower Upper
152 100
150 151.0 131.6 197.4
115 57.9 50.9 76.3

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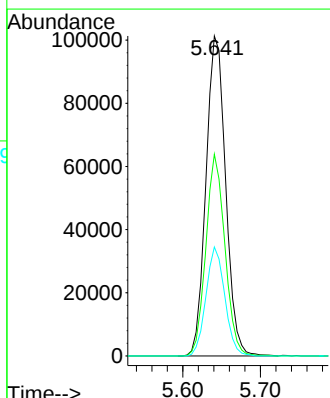
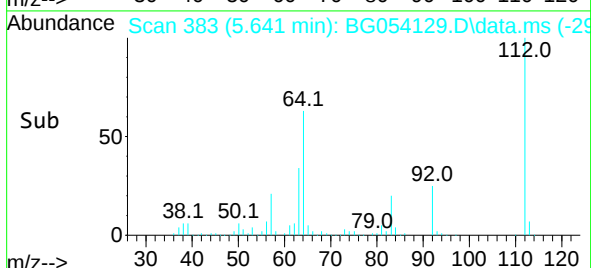
Reviewed By :Christian Giraldo 06/29/2022
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#5
2-Fluorophenol
Concen: 121.001 ng
RT: 5.641 min Scan# 383
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47



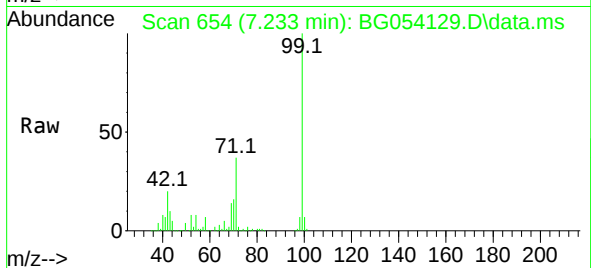
Tgt Ion:112 Resp: 178636
Ion Ratio Lower Upper
112 100
64 63.0 55.1 82.7
63 34.0 30.4 45.6





#7
Phenol-d6
Concen: 120.089 ng
RT: 7.233 min Scan# 61
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

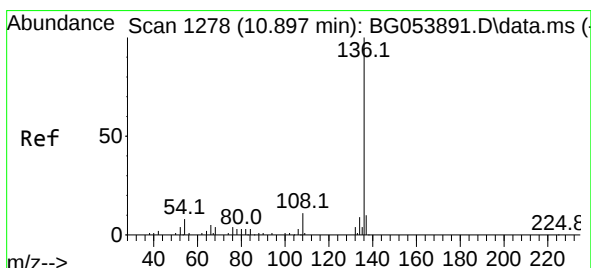
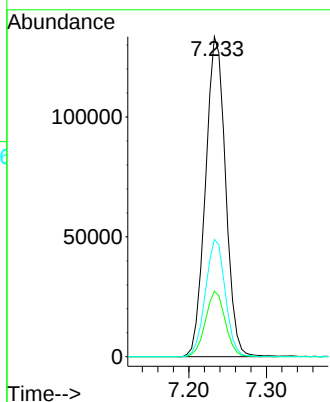
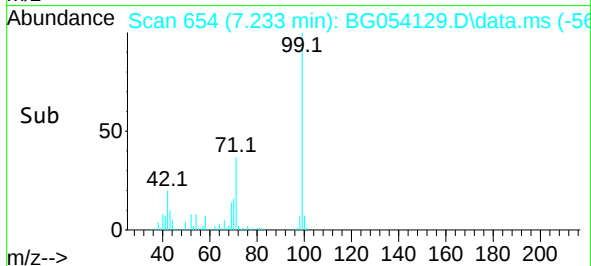
Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623



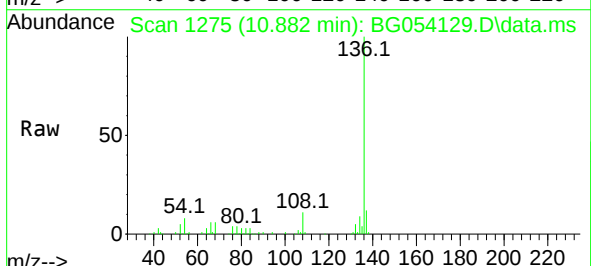
Tgt Ion: 99 Resp: 240508
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 36.6 33.8 50.8

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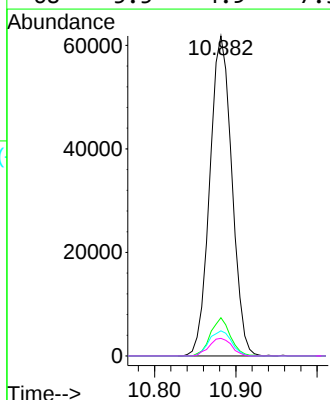
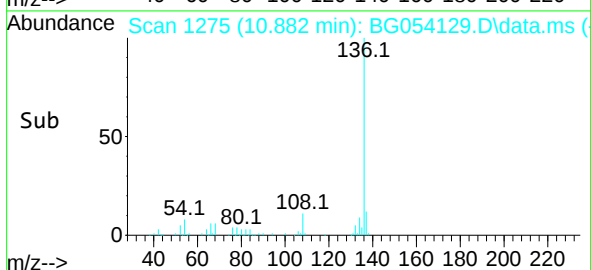
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.882 min Scan# 1275
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47



Tgt Ion:136 Resp: 116828
Ion Ratio Lower Upper
136 100
137 11.9 8.5 12.7
54 7.8 7.4 11.2
68 5.5 4.9 7.3





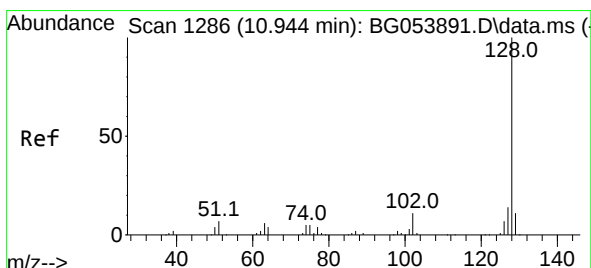
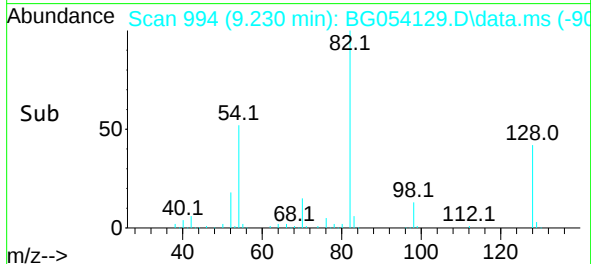
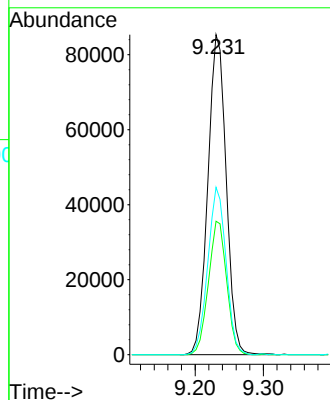
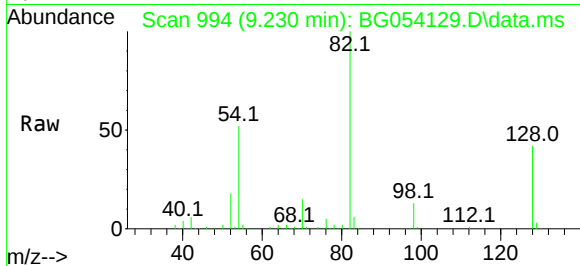
#23
Nitrobenzene-d5
Concen: 76.680 ng
RT: 9.230 min Scan# 997
Delta R.T. -0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Tgt Ion: 82 Resp: 159412
Ion Ratio Lower Upper
82 100
128 41.7 27.9 41.9
54 52.3 41.2 61.8

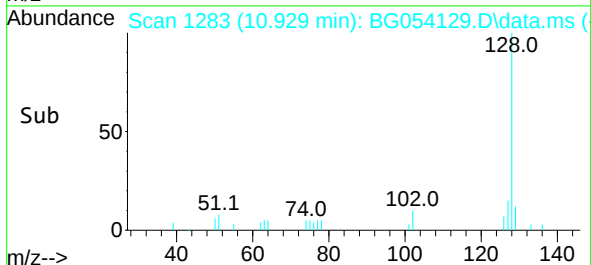
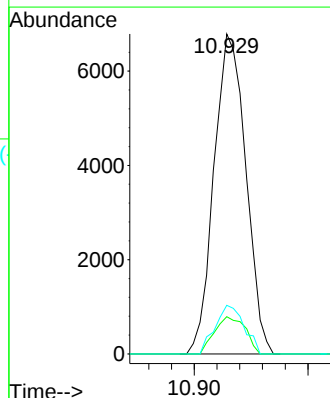
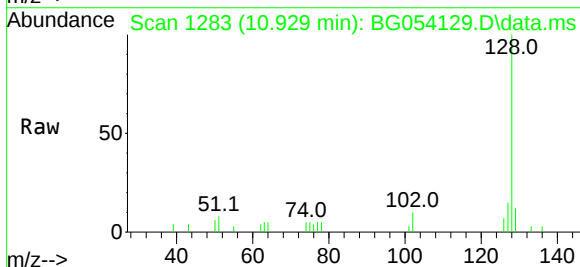
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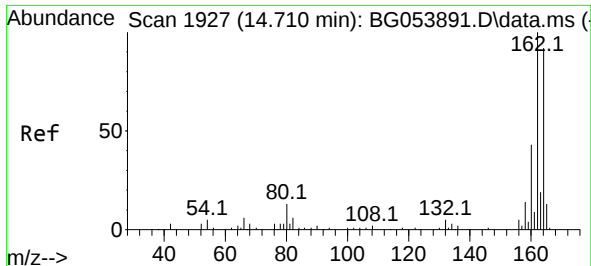
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#31
Naphthalene
Concen: 2.236 ng
RT: 10.929 min Scan# 1283
Delta R.T. -0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

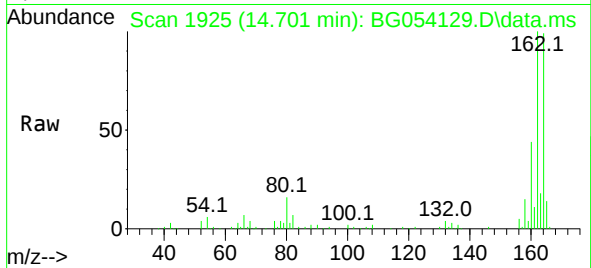
Tgt Ion:128 Resp: 13190
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 15.2 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.701 min Scan# 1925
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

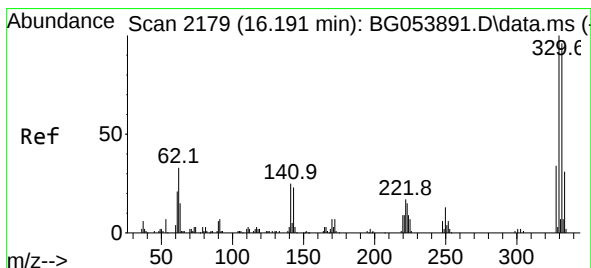
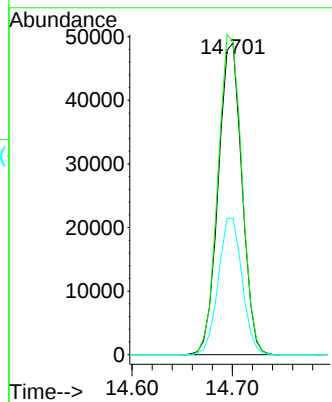
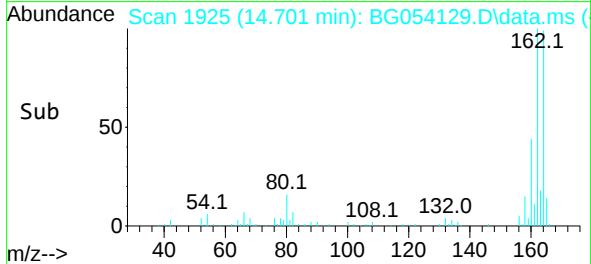
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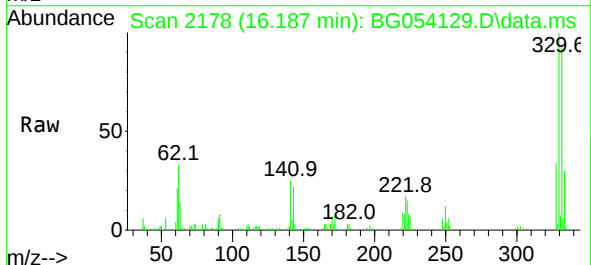
Tgt Ion:164 Resp: 8014
Ion Ratio Lower Upper
164 100
162 100.5 82.3 123.5
160 43.8 34.2 51.2

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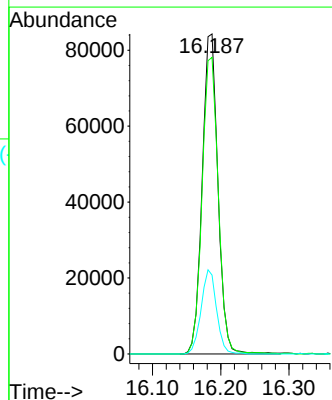
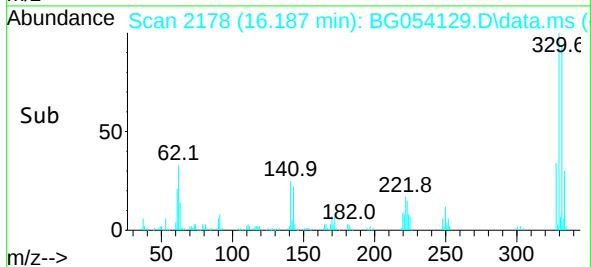
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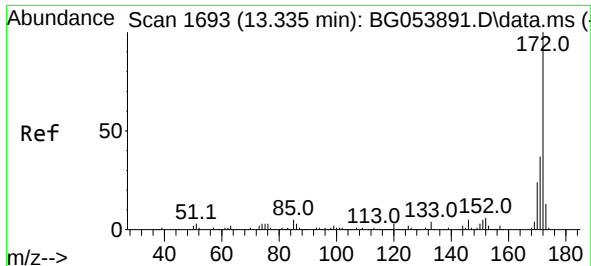


#42
2,4,6-Tribromophenol
Concen: 104.947 ng
RT: 16.187 min Scan# 2178
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47



Tgt Ion:330 Resp: 135134
Ion Ratio Lower Upper
330 100
332 95.5 76.0 114.0
141 25.8 27.1 40.7#





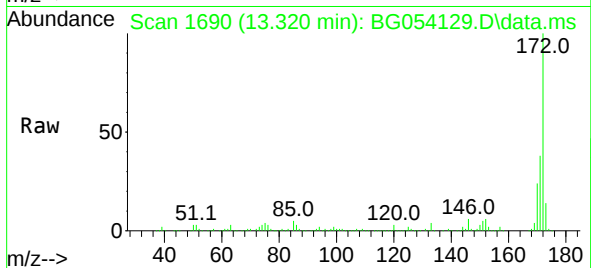
#45
2-Fluorobiphenyl
Concen: 75.802 ng
RT: 13.320 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

Instrument :

BNA_G

ClientSampleId :

SB-9-0-2-20220623

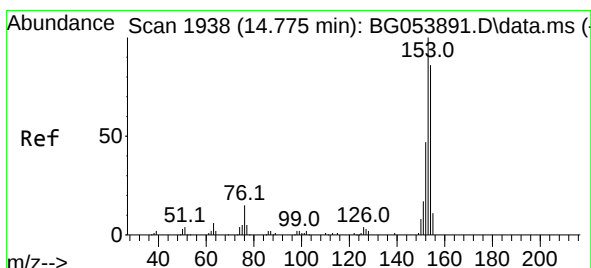
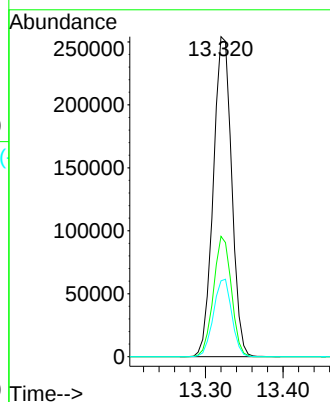
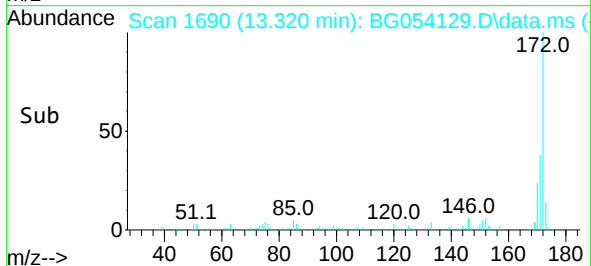


Tgt Ion:172 Resp: 417772
Ion Ratio Lower Upper
172 100
171 37.6 28.5 42.7
170 23.7 18.9 28.3

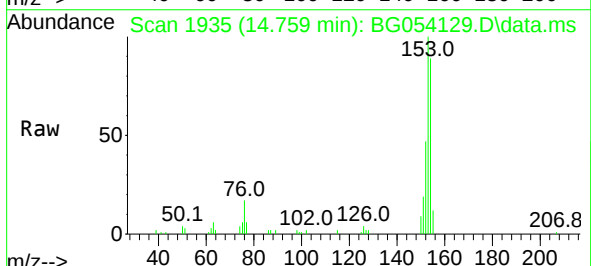
Manual Integrations

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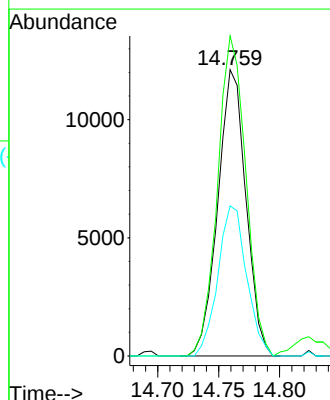
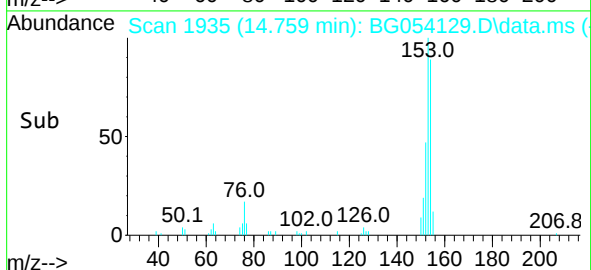
Reviewed By :Christian Giraldo 06/29/2022
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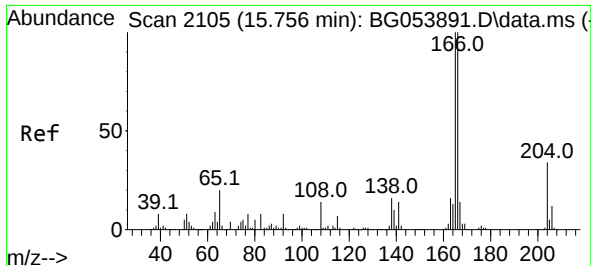


#52
Acenaphthene
Concen: 4.336 ng
RT: 14.759 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47



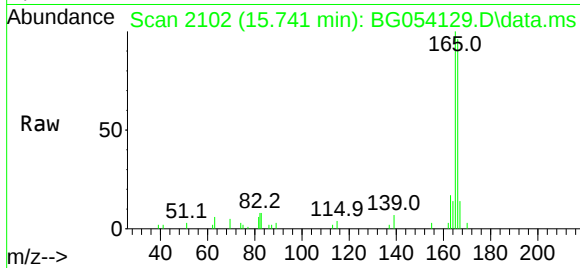
Tgt Ion:154 Resp: 19418
Ion Ratio Lower Upper
154 100
153 111.8 92.7 139.1
152 52.5 42.6 64.0





#58
 Fluorene
 Concen: 2.794 ng
 RT: 15.741 min Scan# 2105
 Delta R.T. -0.003 min
 Lab File: BG054129.D
 Acq: 28 Jun 2022 22:47

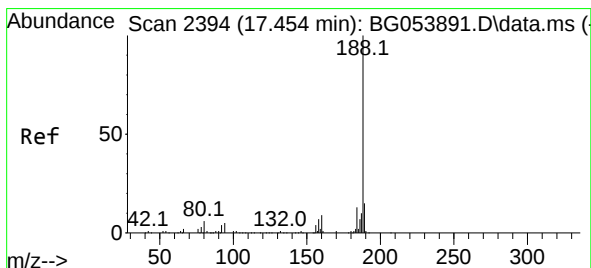
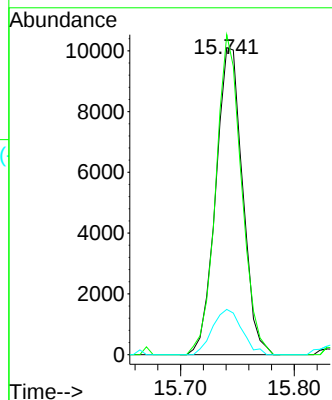
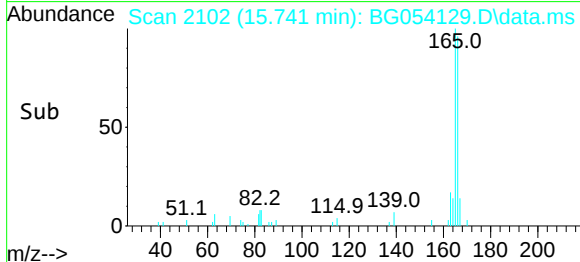
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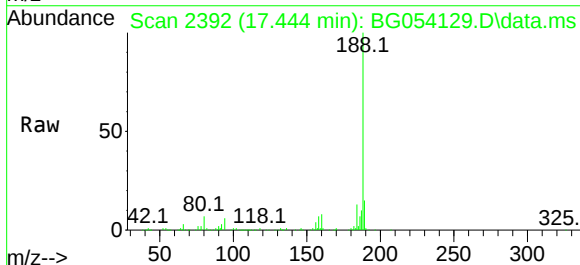
Tgt Ion:166 Resp: 16554
 Ion Ratio Lower Upper
 166 100
 165 104.2 75.0 112.6
 167 14.7 10.8 16.2

Manual Integrations
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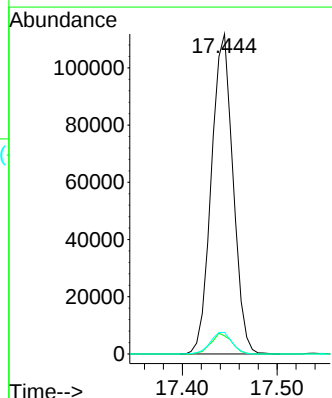
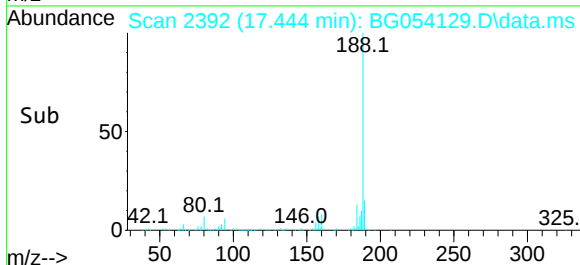
Reviewed By :Christian Giraldo 06/29/2022
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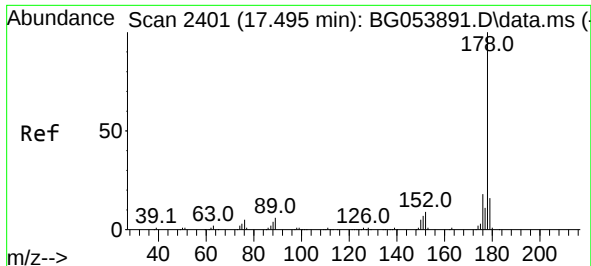


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.444 min Scan# 2392
 Delta R.T. 0.003 min
 Lab File: BG054129.D
 Acq: 28 Jun 2022 22:47



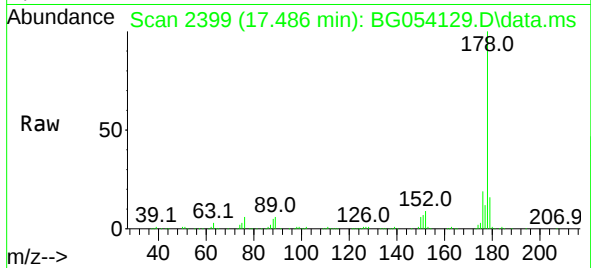
Tgt Ion:188 Resp: 177474
 Ion Ratio Lower Upper
 188 100
 94 5.6 5.4 8.0
 80 6.8 6.8 10.2#





#71
Phenanthrene
Concen: 32.129 ng
RT: 17.486 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

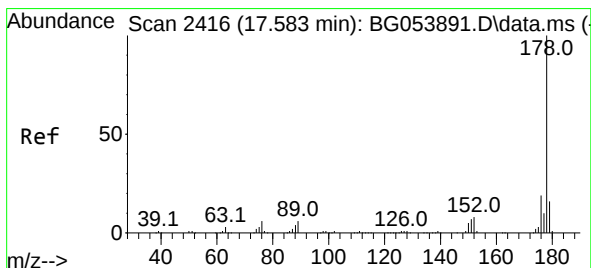
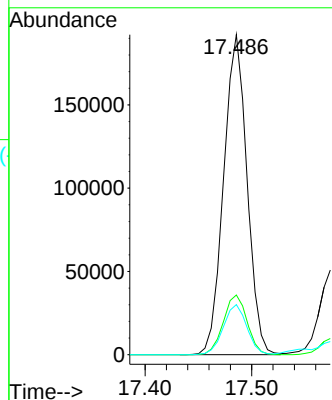
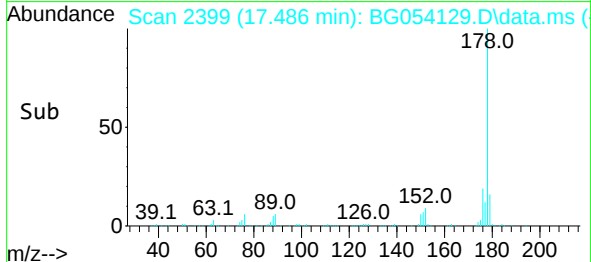
Instrument :
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SB-9-0-2-20220623



Tgt Ion:178 Resp: 29295
Ion Ratio Lower Upper
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176 18.6 14.1 21.1
179 15.7 12.1 18.1

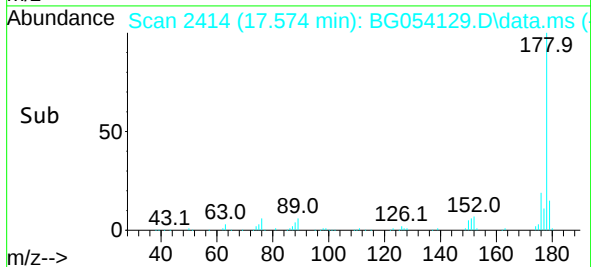
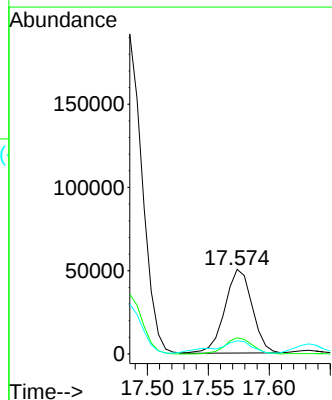
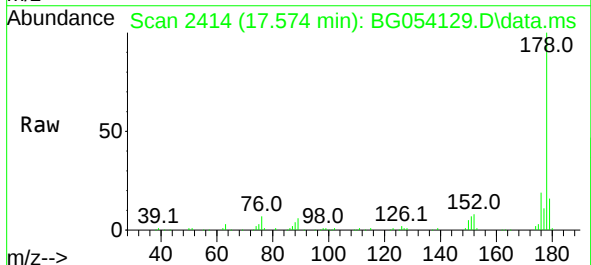
Manual Integrations
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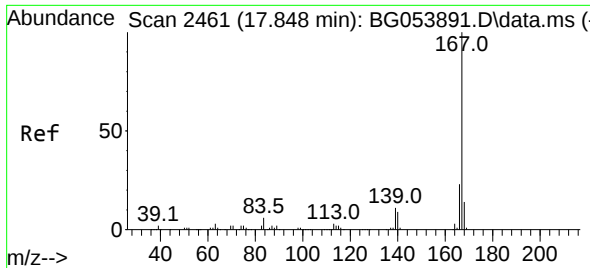
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#72
Anthracene
Concen: 8.800 ng
RT: 17.574 min Scan# 2414
Delta R.T. -0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

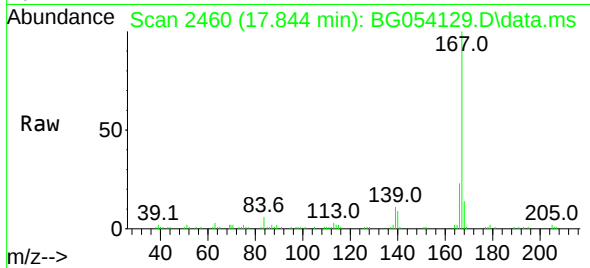
Tgt Ion:178 Resp: 78360
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.6 13.0 19.4





#73
 Carbazole
 Concen: 6.099 ng
 RT: 17.844 min Scan# 2461
 Delta R.T. 0.003 min
 Lab File: BG054129.D
 Acq: 28 Jun 2022 22:47

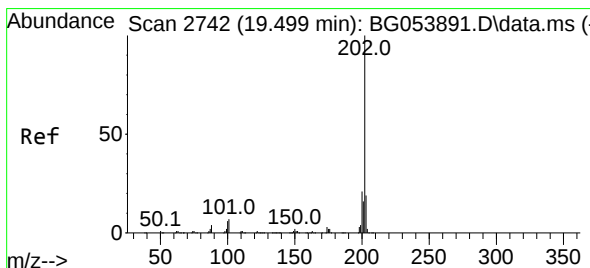
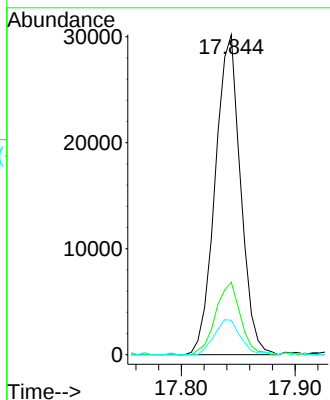
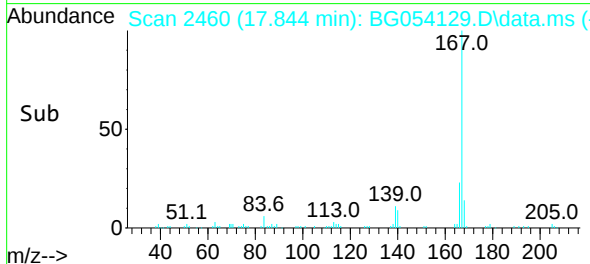
Instrument :
 BNA_G
 ClientSampleId :
 SB-9-0-2-20220623



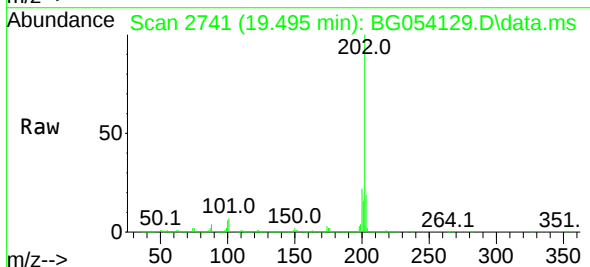
Tgt Ion:167 Resp: 4661
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.2 27.2
 139 10.8 10.1 15.1

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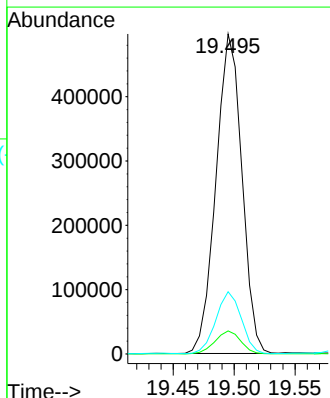
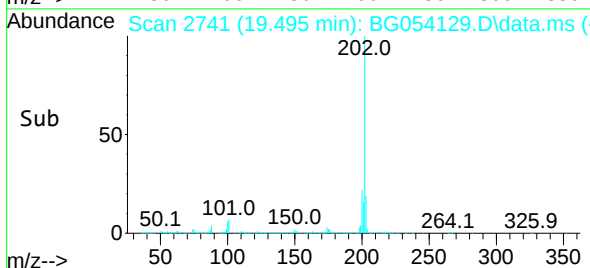
Reviewed By :Christian Giraldo 06/29/2022
 Supervised By :Jagrut Upadhyay 06/29/2022

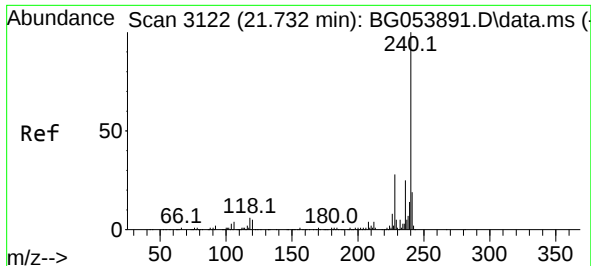


#75
 Fluoranthene
 Concen: 61.494 ng
 RT: 19.495 min Scan# 2741
 Delta R.T. 0.003 min
 Lab File: BG054129.D
 Acq: 28 Jun 2022 22:47



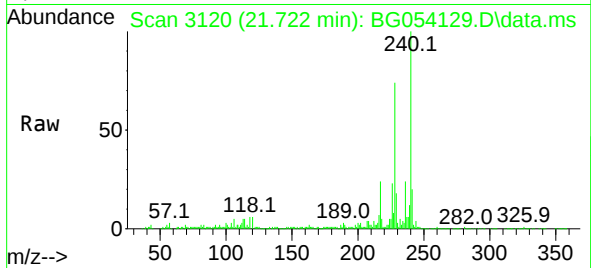
Tgt Ion:202 Resp: 736058
 Ion Ratio Lower Upper
 202 100
 101 7.2 0.0 26.9
 203 19.5 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.722 min Scan# 3122
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

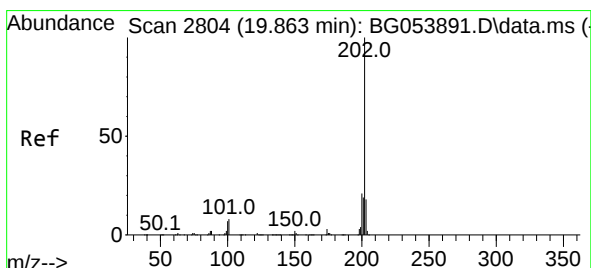
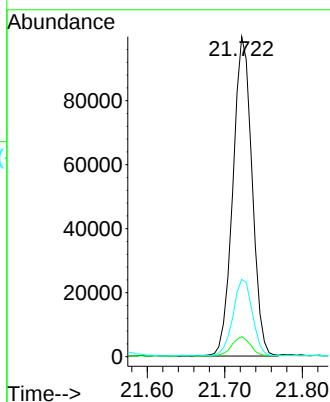
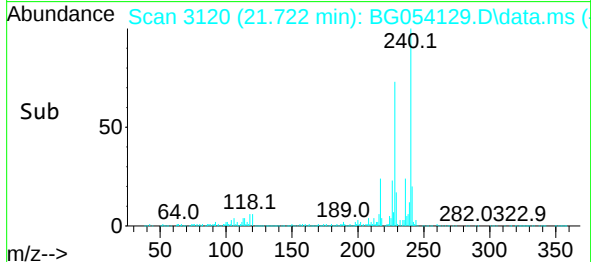
Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623



Tgt Ion:240 Resp: 17080
Ion Ratio Lower Upper
240 100
120 6.3 4.6 7.0
236 24.1 20.2 30.4

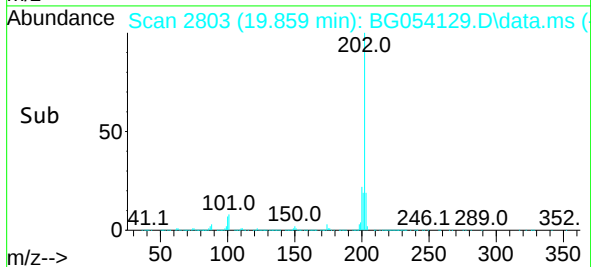
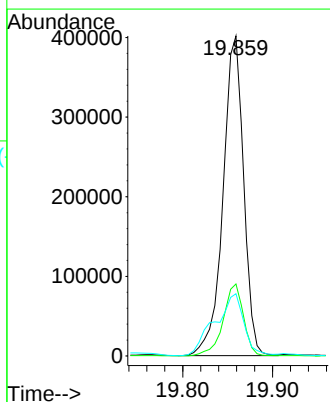
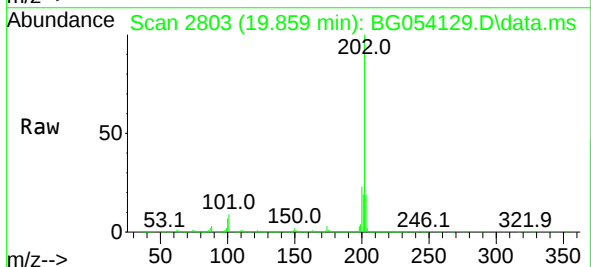
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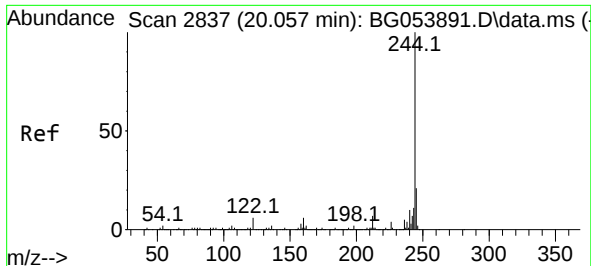
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#78
Pyrene
Concen: 62.035 ng
RT: 19.859 min Scan# 2803
Delta R.T. 0.009 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

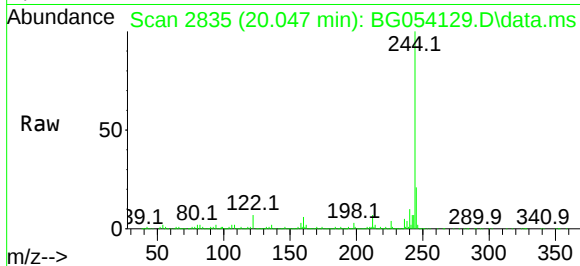
Tgt Ion:202 Resp: 639969
Ion Ratio Lower Upper
202 100
200 22.5 16.6 24.8
203 19.4 14.6 21.8





#79
Terphenyl-d14
Concen: 76.197 ng
RT: 20.047 min Scan# 20
Delta R.T. 0.003 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

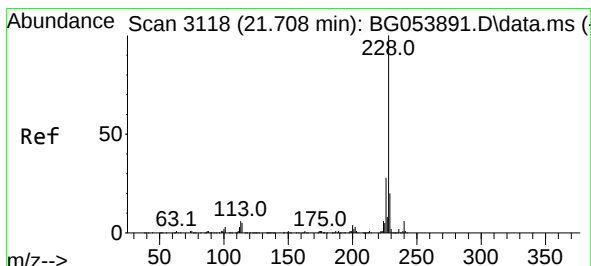
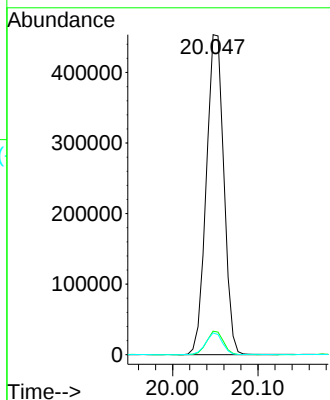
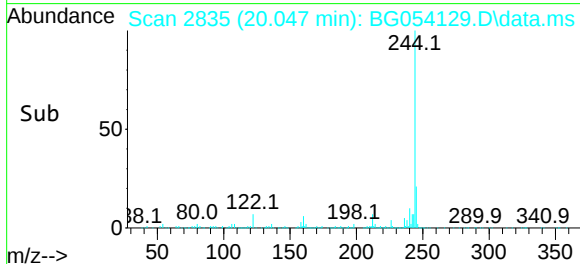
Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623



Tgt Ion:244 Resp: 646199
Ion Ratio Lower Upper
244 100
212 7.4 6.5 9.7
122 6.8 5.0 7.4

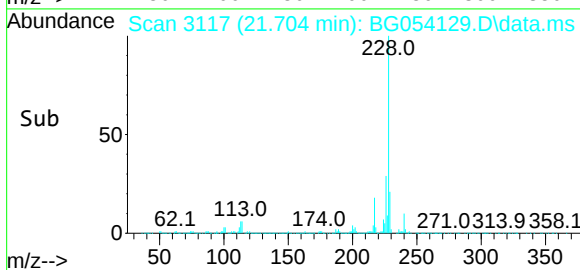
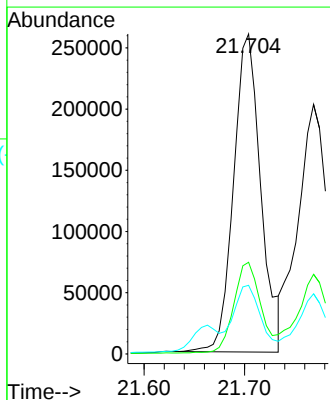
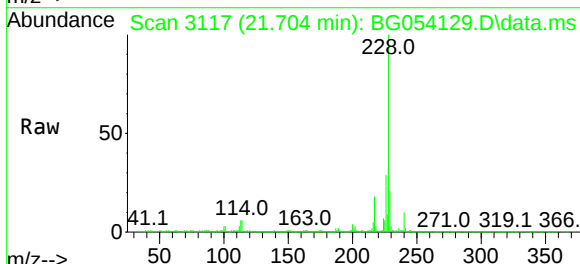
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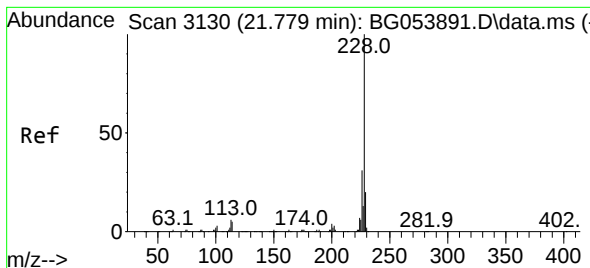
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#81
Benzo(a)anthracene
Concen: 44.321 ng
RT: 21.704 min Scan# 3117
Delta R.T. 0.009 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

Tgt Ion:228 Resp: 490169
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 21.4 16.2 24.2





#83

Chrysene

Concen: 38.665 ng m

RT: 21.769 min Scan# 31

Delta R.T. 0.009 min

Lab File: BG054129.D

Acq: 28 Jun 2022 22:47

Instrument :

BNA_G

ClientSampleId :

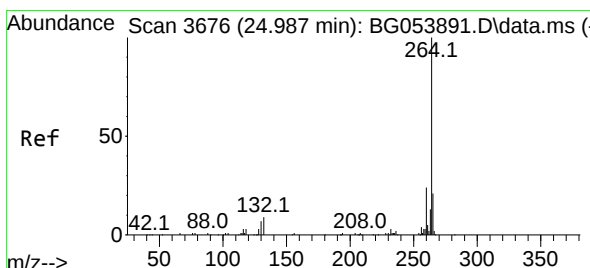
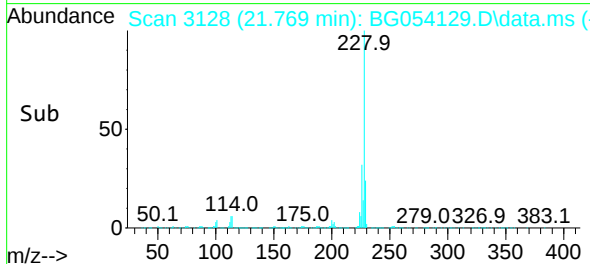
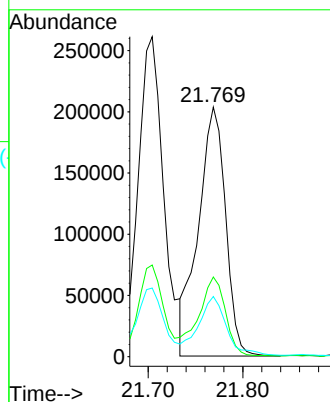
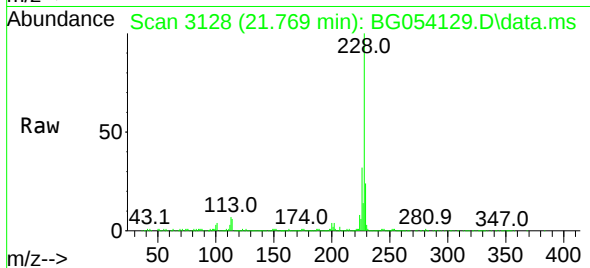
SB-9-0-2-20220623

Tgt Ion:228 Resp: 407598
 Ion Ratio Lower Upper
 228 100
 226 31.9 23.4 35.2
 229 24.1 15.5 23.3

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



#86

Perylene-d12

Concen: 20.000 ng

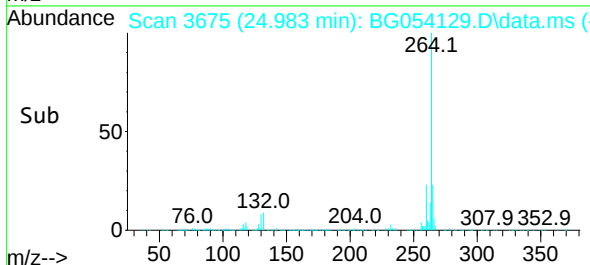
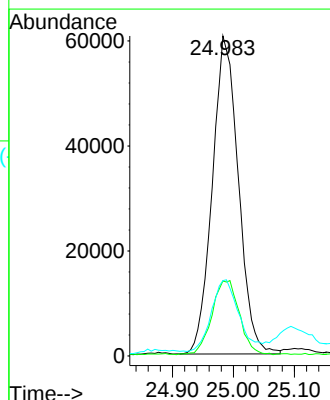
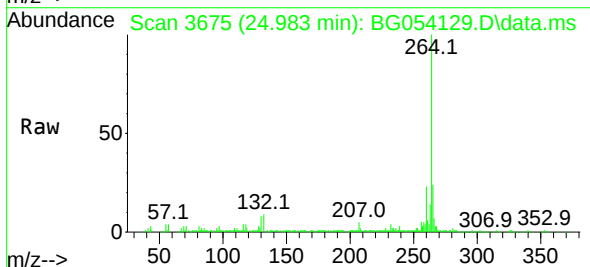
RT: 24.983 min Scan# 3675

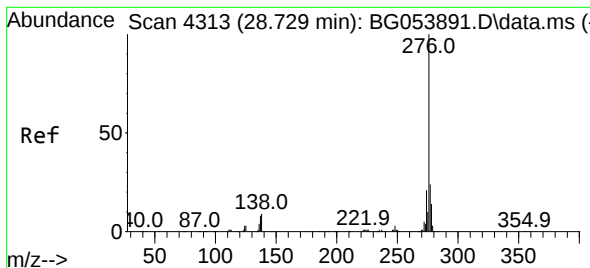
Delta R.T. 0.020 min

Lab File: BG054129.D

Acq: 28 Jun 2022 22:47

Tgt Ion:264 Resp: 180204
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.6
 265 23.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 18.679 ng

RT: 28.719 min Scan# 41

Delta R.T. 0.032 min

Lab File: BG054129.D

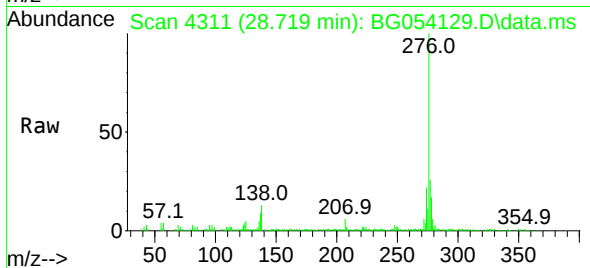
Acq: 28 Jun 2022 22:47

Instrument :

BNA_G

ClientSampleId :

SB-9-0-2-20220623



Tgt Ion:276 Resp: 25401

Ion Ratio Lower Upper

276 100

138 11.6 5.0 7.4

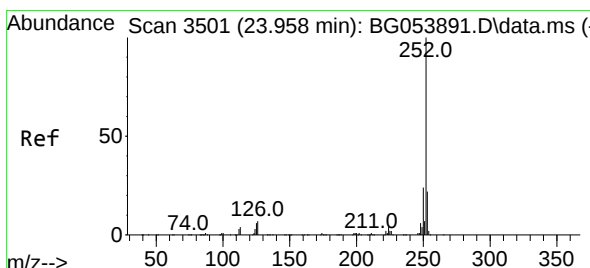
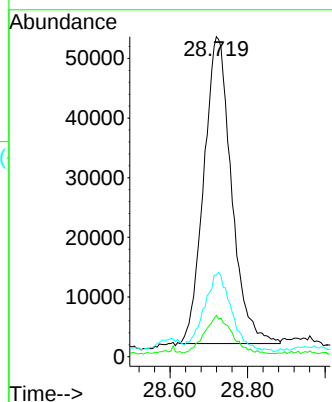
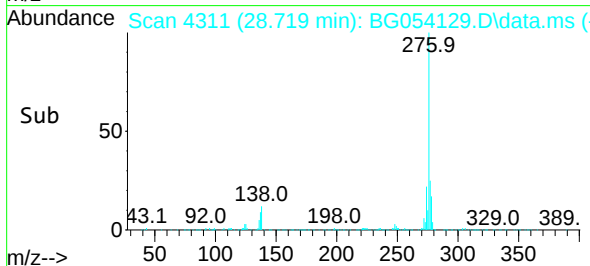
277 24.7 20.3 30.5

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Reviewed By :Christian Giraldo 06/29/2022

Supervised By :Jagrut Upadhyay 06/29/2022



#88

Benzo(b)fluoranthene

Concen: 59.001 ng

RT: 23.954 min Scan# 3500

Delta R.T. 0.020 min

Lab File: BG054129.D

Acq: 28 Jun 2022 22:47

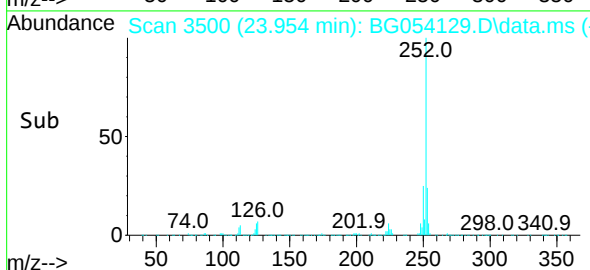
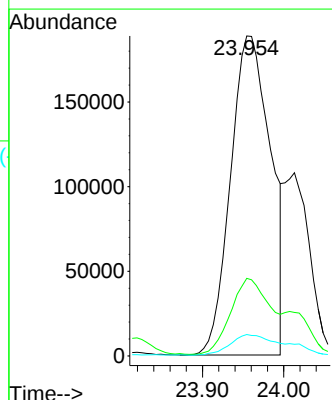
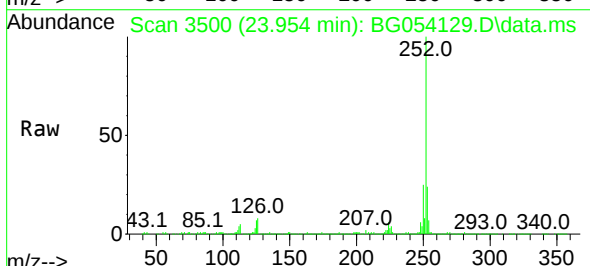
Tgt Ion:252 Resp: 646467

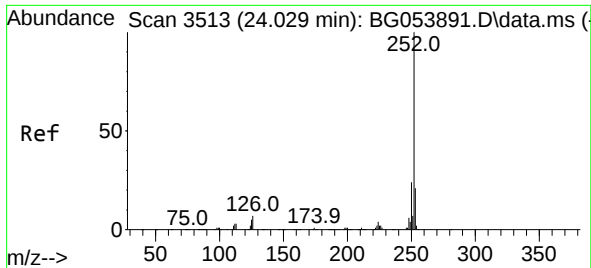
Ion Ratio Lower Upper

252 100

253 24.2 18.0 27.0

125 6.7 4.6 6.8





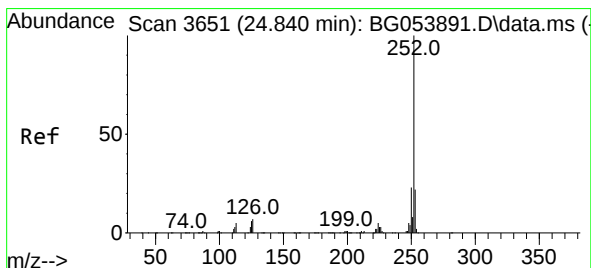
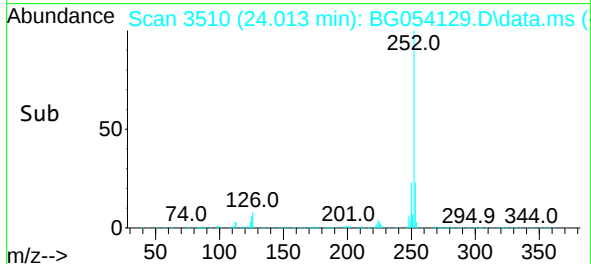
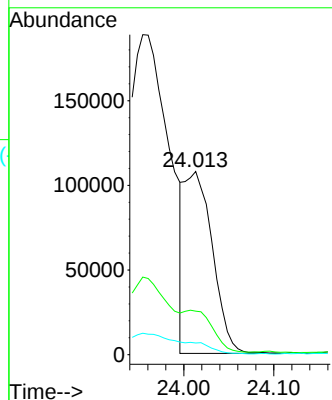
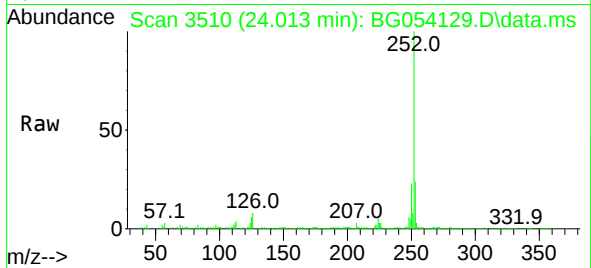
#89
Benzo(k)fluoranthene
Concen: 21.495 ng m
RT: 24.013 min Scan# 3513
Delta R.T. 0.009 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Tgt Ion:252 Resp: 23318
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 6.4 4.8 7.2

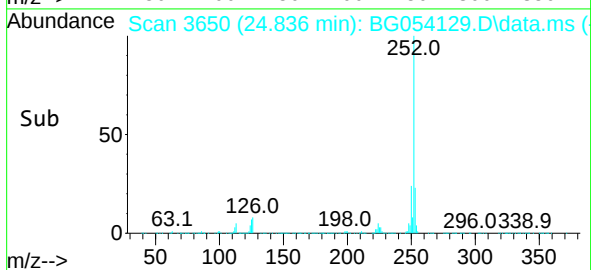
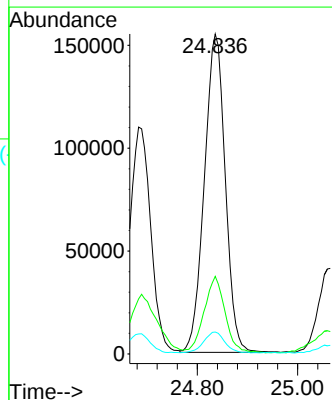
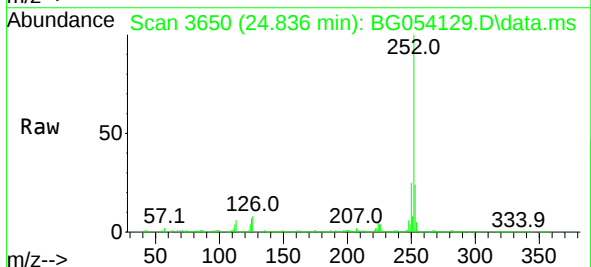
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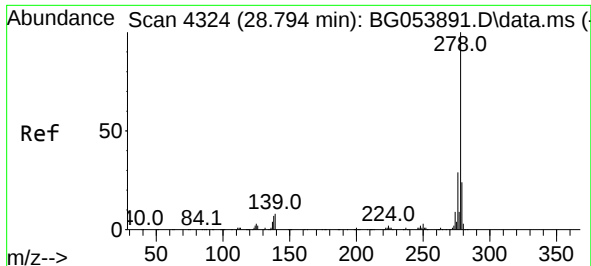
Reviewed By :Christian Giraldo 06/29/2022
Supervised By :Jagrut Upadhyay 06/29/2022



#90
Benzo(a)pyrene
Concen: 48.419 ng
RT: 24.836 min Scan# 3650
Delta R.T. 0.020 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

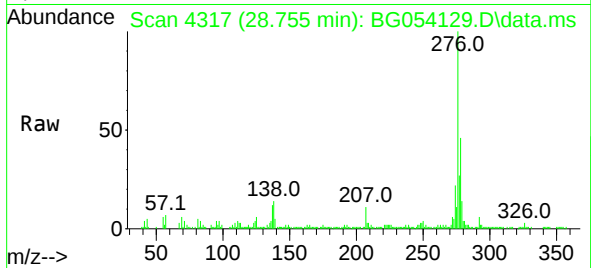
Tgt Ion:252 Resp: 447619
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 6.9 4.3 6.5#





#91
Dibenzo(a,h)anthracene
Concen: 6.344 ng
RT: 28.755 min Scan# 41
Delta R.T. 0.009 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

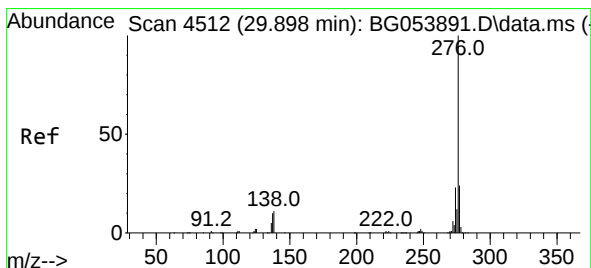
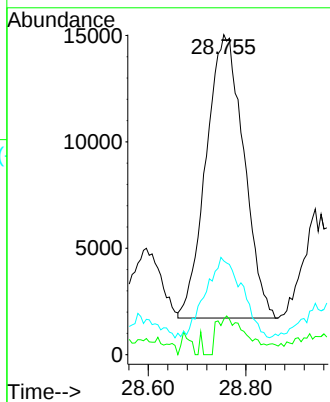
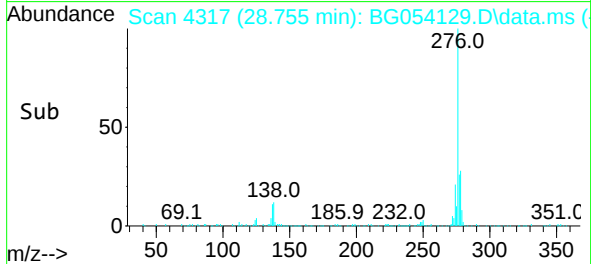
Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623



Tgt Ion:278 Resp: 71340
Ion Ratio Lower Upper
278 100
139 11.1 7.2 10.8
279 29.3 18.6 27.8

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



#92
Benzo(g,h,i)perylene
Concen: 22.735 ng
RT: 29.889 min Scan# 4510
Delta R.T. 0.026 min
Lab File: BG054129.D
Acq: 28 Jun 2022 22:47

Tgt Ion:276 Resp: 252303
Ion Ratio Lower Upper
276 100
277 24.7 17.3 25.9
138 12.5 9.6 14.4

