

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062922\
 Data File : BG054161.D
 Acq On : 30 Jun 2022 1:32
 Operator : CG/JU
 Sample : N3488-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-12-3-5-20220623

Manual Integrations
 APPROVED

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

Quant Time: Jun 30 05:34:24 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	8.071	152	22951	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	91444	20.000	ng	0.00
39) Acenaphthene-d10	14.692	164	70175	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	168720	20.000	ng	# 0.00
76) Chrysene-d12	21.713	240	178213	20.000	ng	0.00
86) Perylene-d12	24.968	264	188573	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	113642	94.668	ng	0.00
7) Phenol-d6	7.230	99	155692	95.607	ng	0.00
23) Nitrobenzene-d5	9.228	82	104616	64.291	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	111161	98.592	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	303027	62.792	ng	0.00
79) Terphenyl-d14	20.045	244	579897	65.537	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.757	154	7869	2.007	ng	94
71) Phenanthrene	17.477	178	250025	28.843	ng	99
72) Anthracene	17.571	178	70632	8.344	ng	97
75) Fluoranthene	19.492	202	524331	46.078	ng	96
78) Pyrene	19.851	202	480775	44.667	ng	97
81) Benzo(a)anthracene	21.696	228	257999	22.359	ng	99
83) Chrysene	21.760	228	226922	20.631	ng	96
87) Indeno(1,2,3-cd)pyrene	28.682	276	152556	10.720	ng	# 96
88) Benzo(b)fluoranthene	23.940	252	288384	25.152	ng	100
89) Benzo(k)fluoranthene	23.999	252	97189m	8.561	ng	
90) Benzo(a)pyrene	24.816	252	219705	22.711	ng	99
91) Dibenzo(a,h)anthracene	28.740	278	37175	3.159	ng	96
92) Benzo(g,h,i)perylene	29.863	276	150513	12.961	ng	96

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

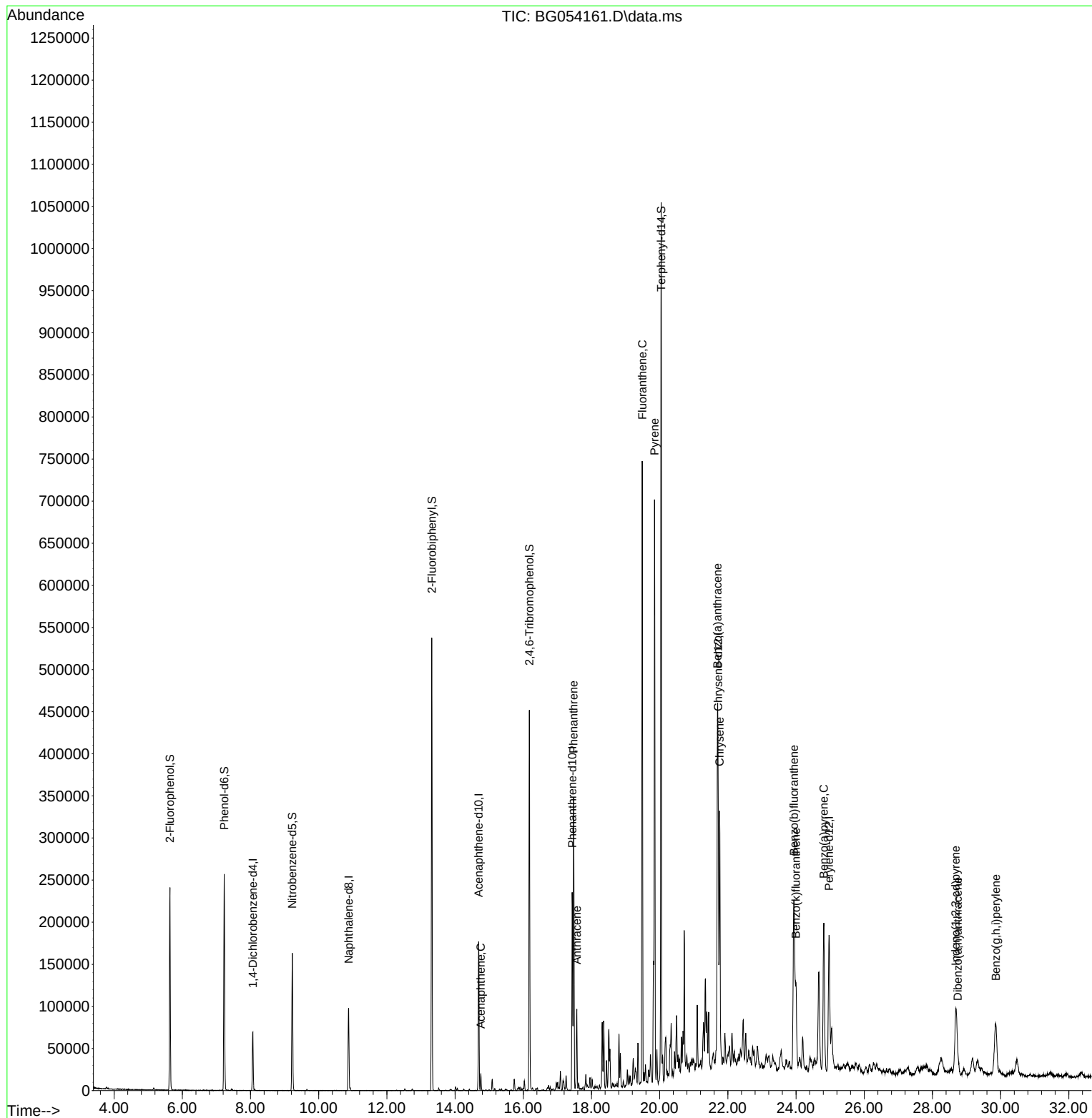
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062922\
Data File : BG054161.D
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Operator : CG/JU
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Misc :
ALS Vial : 16 Sample Multiplier: 1

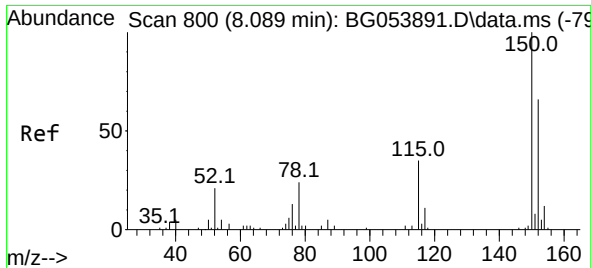
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Quant Time: Jun 30 05:34:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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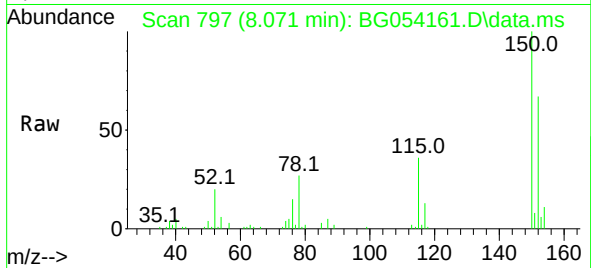
Reviewed By : Christian Giraldo 06/30/2022
Supervised By : Jagrut Upadhyay 07/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. 0.001 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

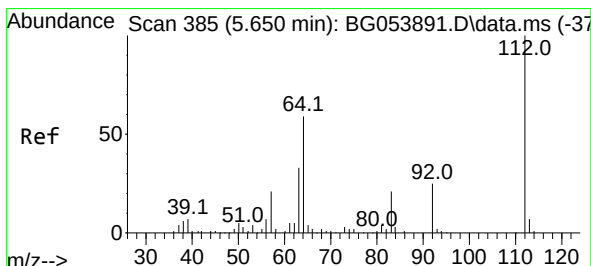
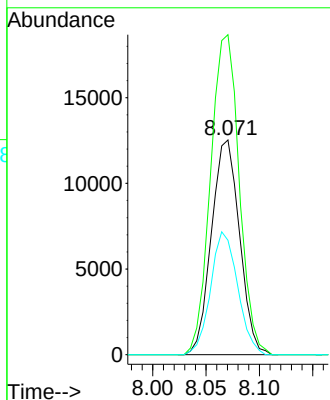
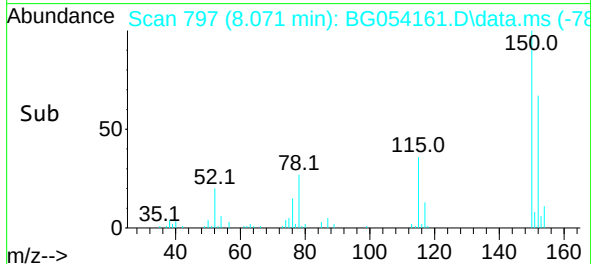
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623



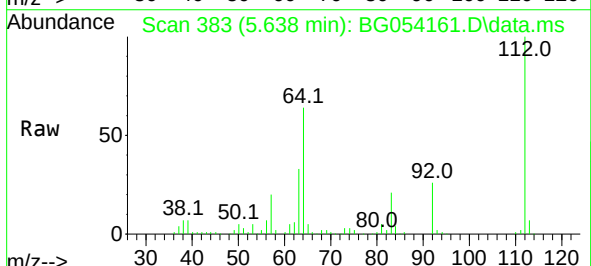
Tgt Ion:152 Resp: 2295
Ion Ratio Lower Upper
152 100
150 149.0 131.6 197.4
115 53.3 50.9 76.3

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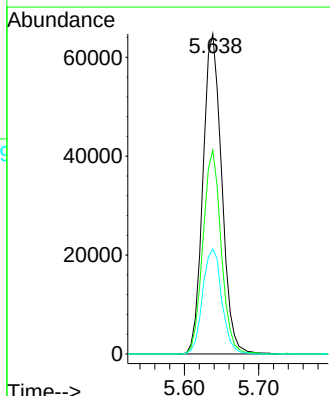
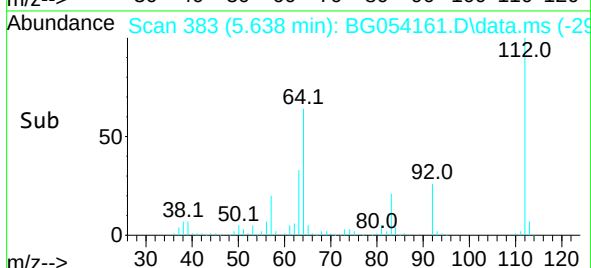
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022

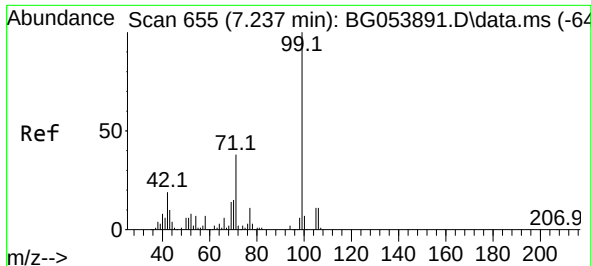


#5
2-Fluorophenol
Concen: 94.668 ng
RT: 5.638 min Scan# 383
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32



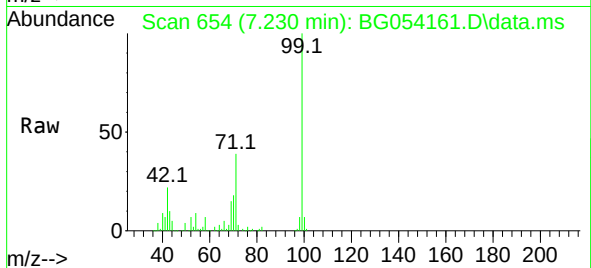
Tgt Ion:112 Resp: 113642
Ion Ratio Lower Upper
112 100
64 63.6 55.1 82.7
63 32.8 30.4 45.6





#7
Phenol-d6
Concen: 95.607 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

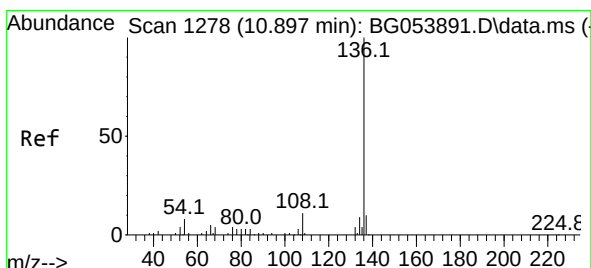
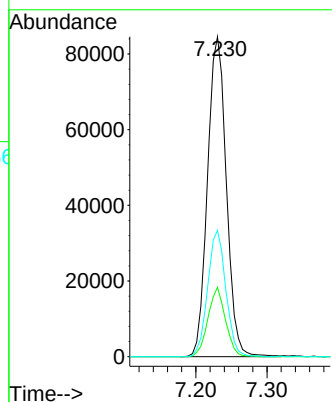
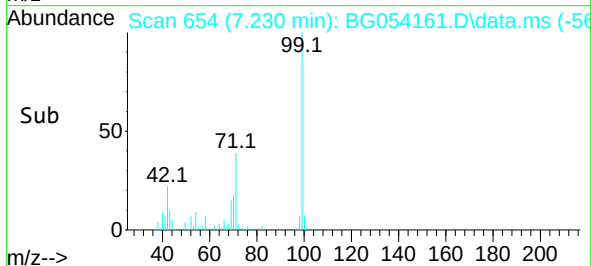
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Tgt Ion: 99 Resp: 155692
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 39.5 33.8 50.8

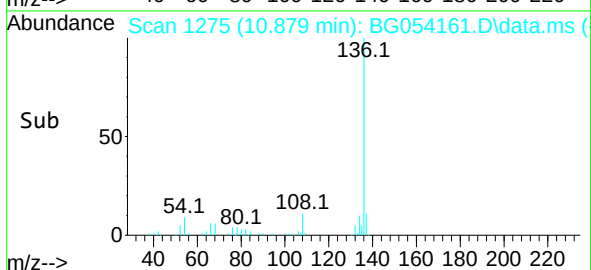
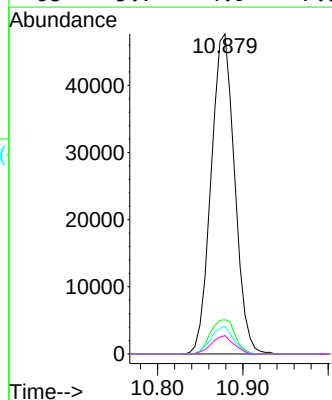
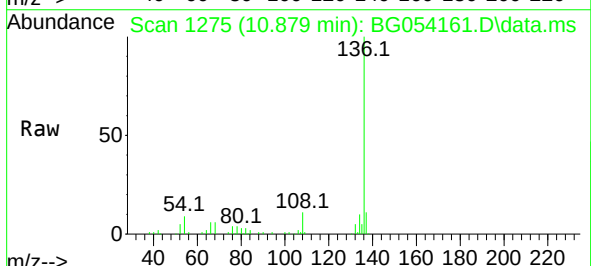
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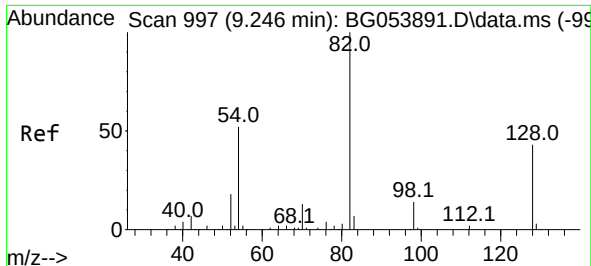
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

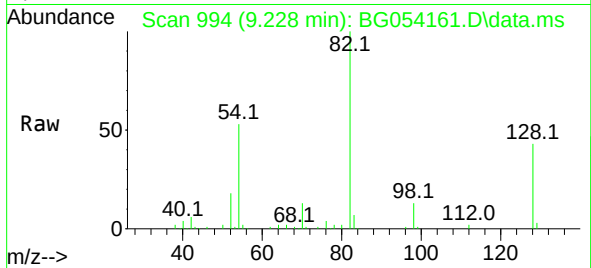
Tgt Ion:136 Resp: 91444
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 8.6 7.4 11.2
68 5.7 4.9 7.3





#23
Nitrobenzene-d5
Concen: 64.291 ng
RT: 9.228 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

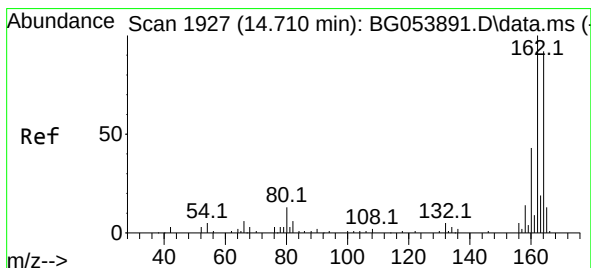
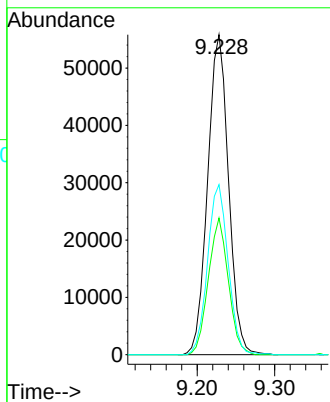
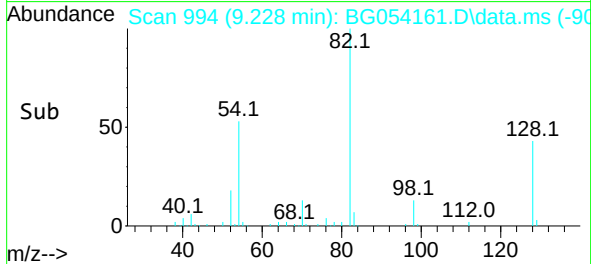
Instrument :
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ClientSampleId :
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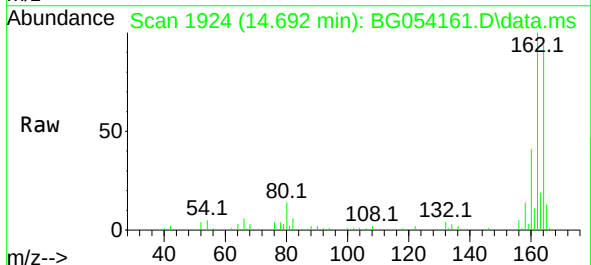
Tgt Ion: 82 Resp: 104610
Ion Ratio Lower Upper
82 100
128 42.7 27.9 41.9
54 53.2 41.2 61.8

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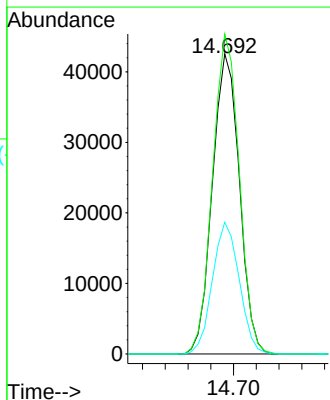
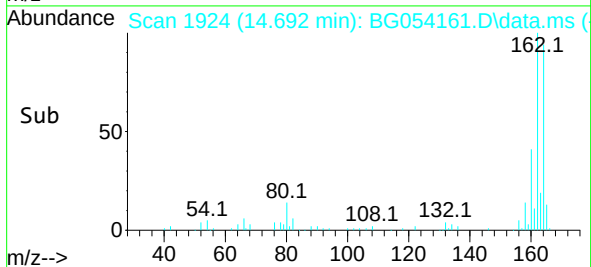
Reviewed By :Christian Giraldo 06/30/2022
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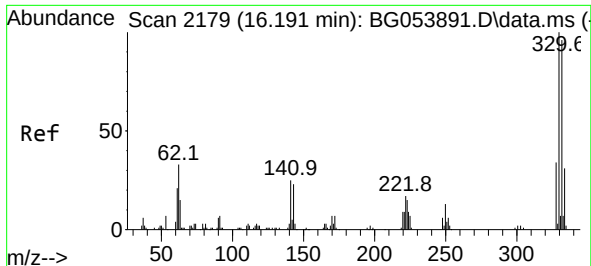


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.692 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32



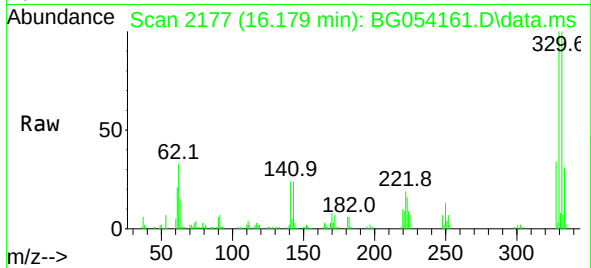
Tgt Ion:164 Resp: 70175
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 43.9 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 98.592 ng
RT: 16.179 min Scan# 2179
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

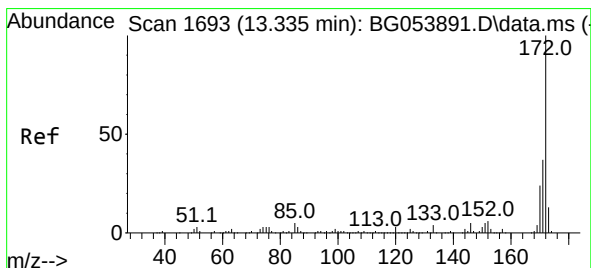
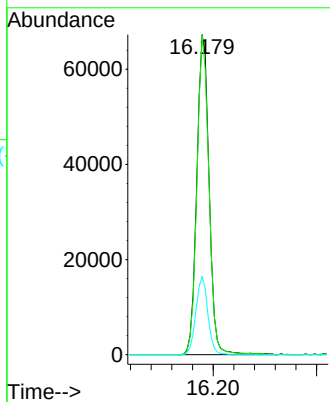
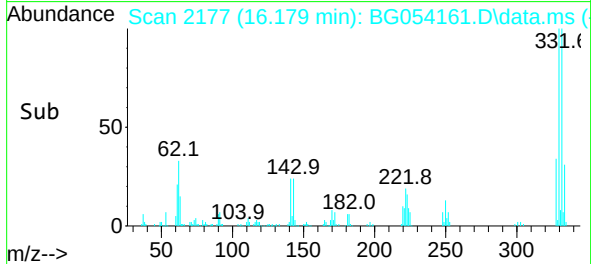
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623



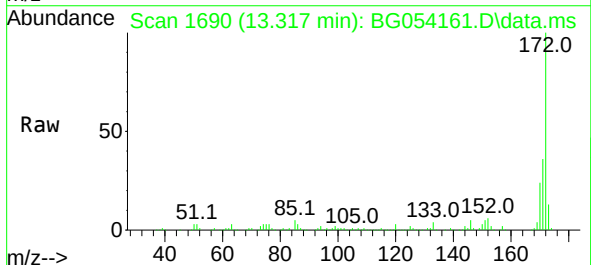
Tgt Ion:330 Resp: 11116
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 23.6 27.1 40.7

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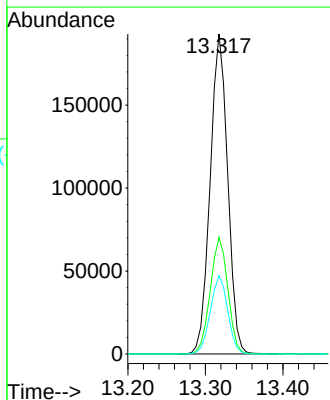
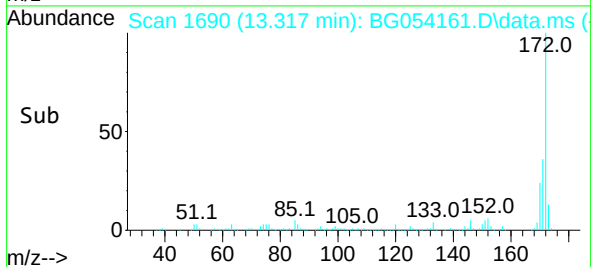
Reviewed By :Christian Giraldo 06/30/2022
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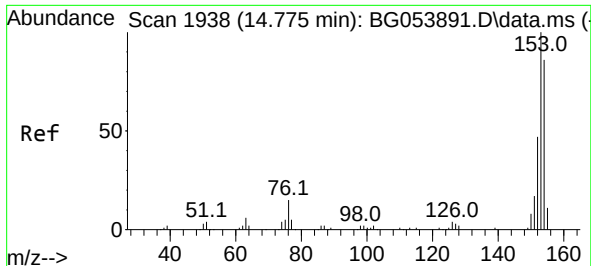


#45
2-Fluorobiphenyl
Concen: 62.792 ng
RT: 13.317 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32



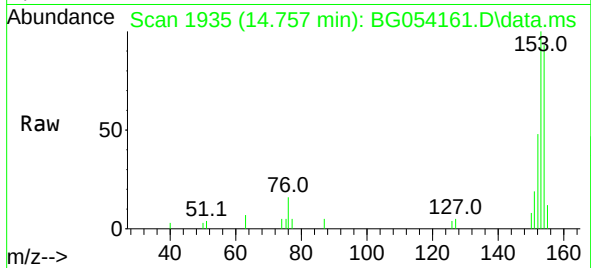
Tgt Ion:172 Resp: 303027
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 24.5 18.9 28.3





#52
Acenaphthene
Concen: 2.007 ng
RT: 14.757 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

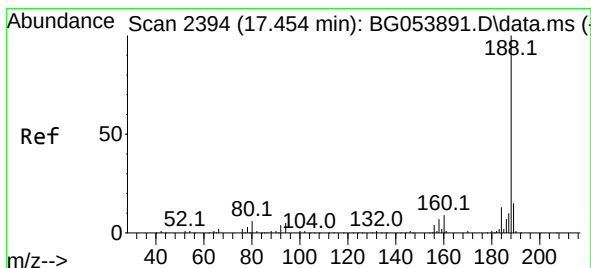
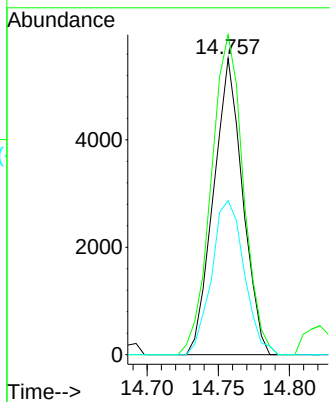
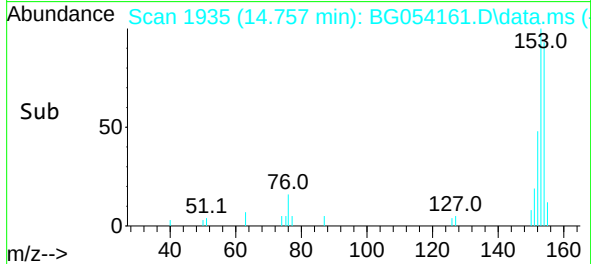
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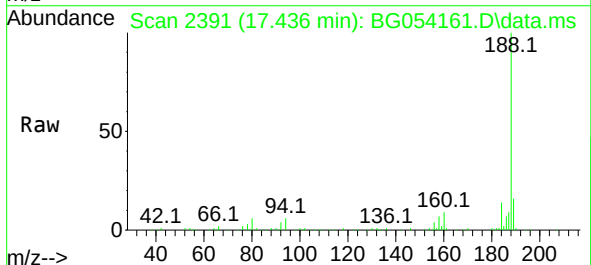
Tgt Ion:154 Resp: 7869
Ion Ratio Lower Upper
154 100
153 108.0 92.7 139.1
152 52.0 42.6 64.0

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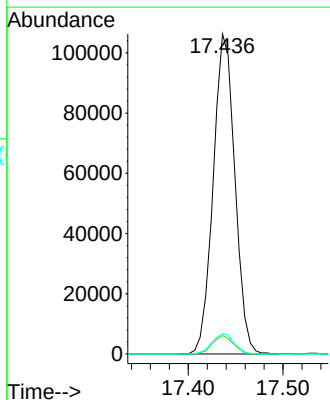
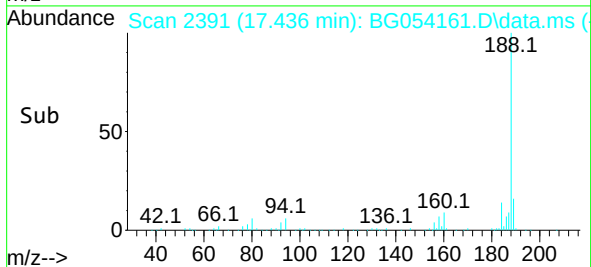
Reviewed By :Christian Giraldo 06/30/2022
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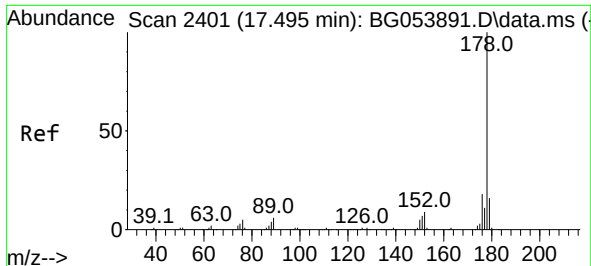


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.436 min Scan# 2391
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32



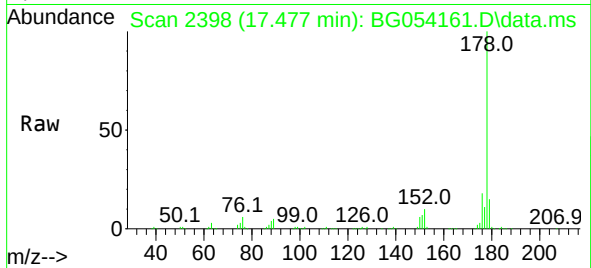
Tgt Ion:188 Resp: 168720
Ion Ratio Lower Upper
188 100
94 5.8 5.4 8.0
80 6.4 6.8 10.2





#71
Phenanthrene
Concen: 28.843 ng
RT: 17.477 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

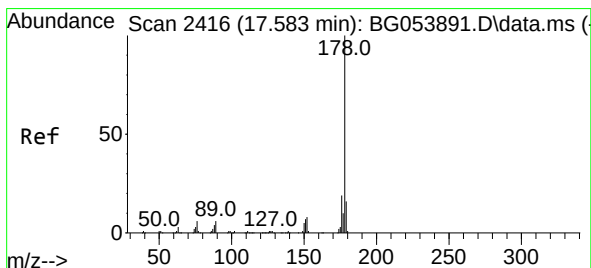
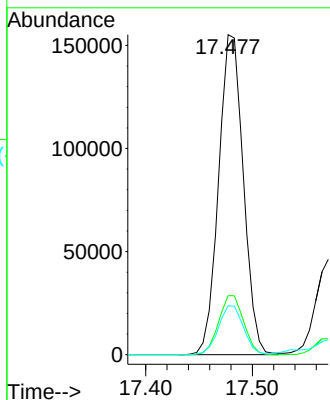
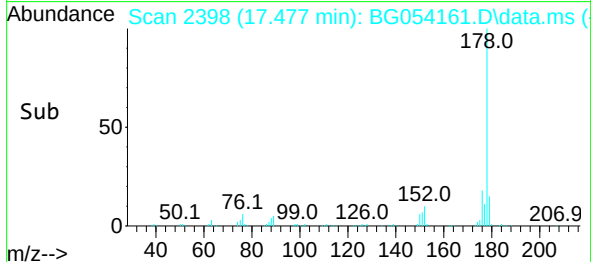
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623



Tgt Ion:178 Resp: 250025
Ion Ratio Lower Upper
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176 18.4 14.1 21.1
179 15.2 12.1 18.1

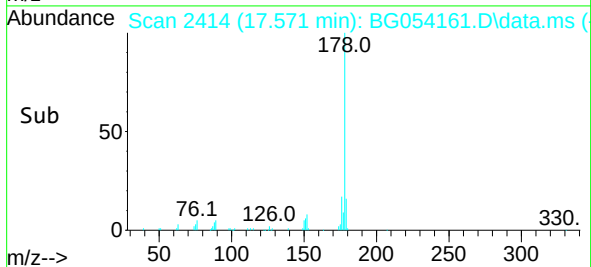
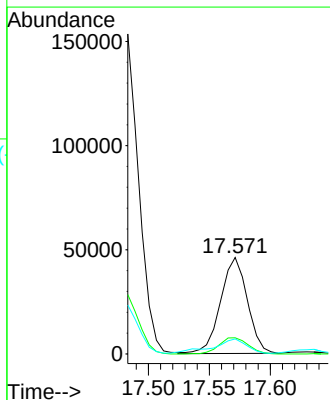
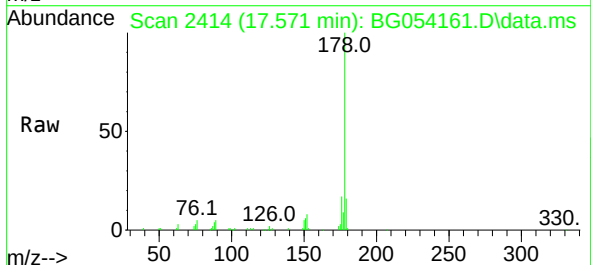
Manual Integrations
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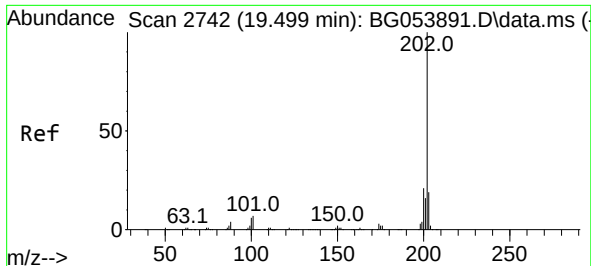
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#72
Anthracene
Concen: 8.344 ng
RT: 17.571 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

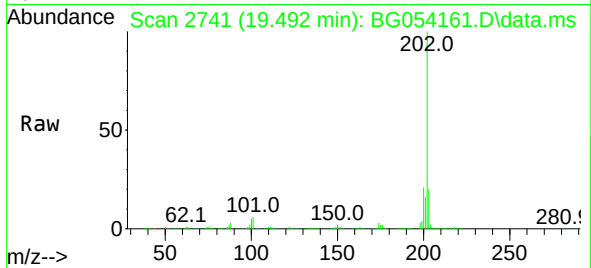
Tgt Ion:178 Resp: 70632
Ion Ratio Lower Upper
178 100
176 16.8 15.2 22.8
179 15.6 13.0 19.4





#75
Fluoranthene
Concen: 46.078 ng
RT: 19.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

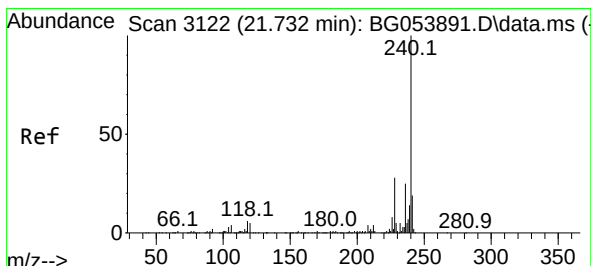
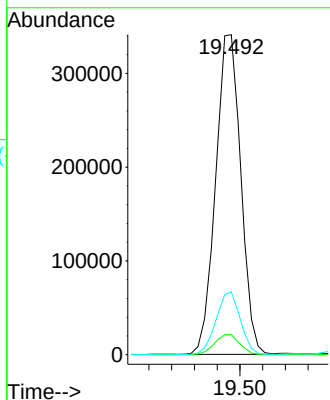
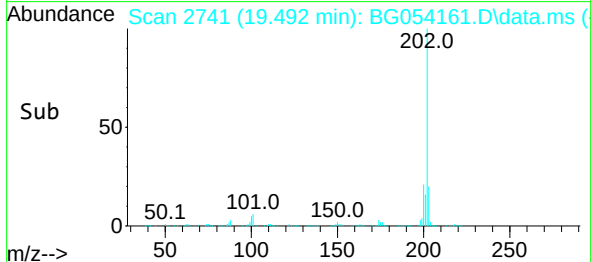
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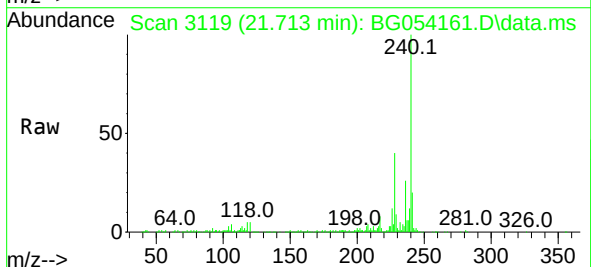
Tgt Ion:202 Resp: 52433
Ion Ratio Lower Upper
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101 6.3 0.0 26.9
203 19.6 0.0 37.2

Manual Integrations
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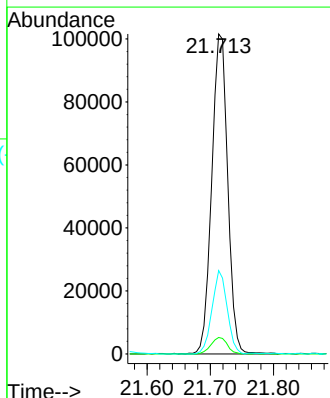
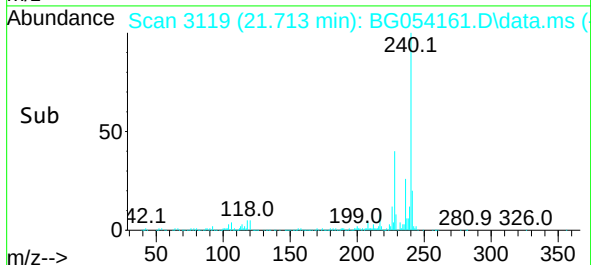
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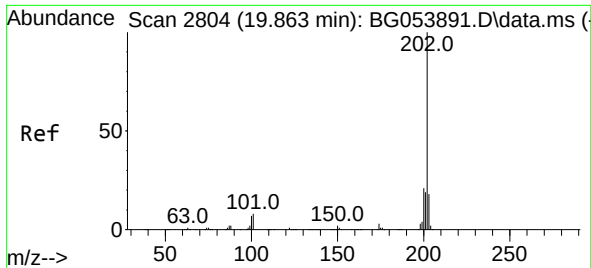


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.713 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32



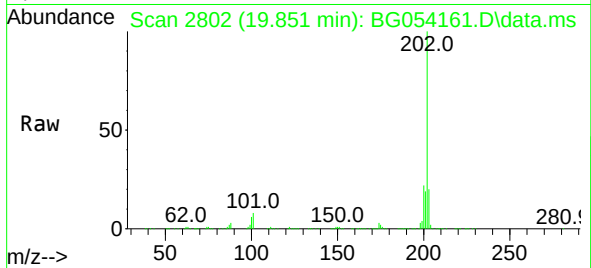
Tgt Ion:240 Resp: 178213
Ion Ratio Lower Upper
240 100
120 5.2 4.6 7.0
236 26.0 20.2 30.4





#78
 Pyrene
 Concen: 44.667 ng
 RT: 19.851 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

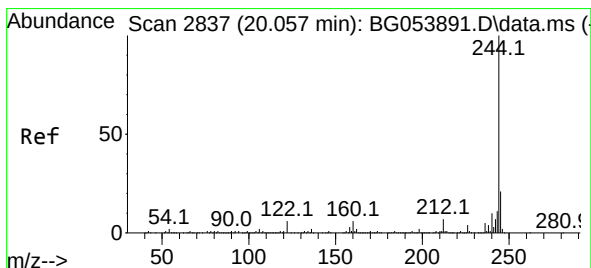
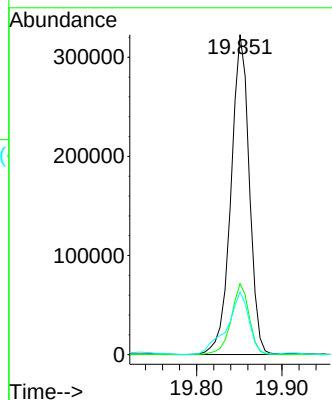
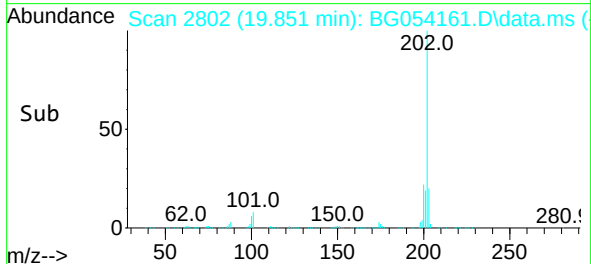
Instrument :
 BNA_G
 ClientSampleId :
 SB-12-3-5-20220623



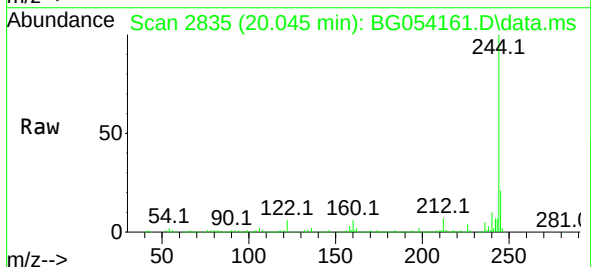
Tgt Ion:202 Resp: 480775
 Ion Ratio Lower Upper
 202 100
 200 22.2 16.6 24.8
 203 19.6 14.6 21.8

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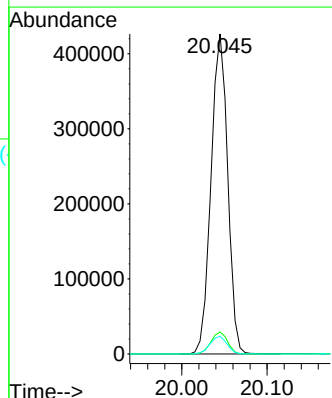
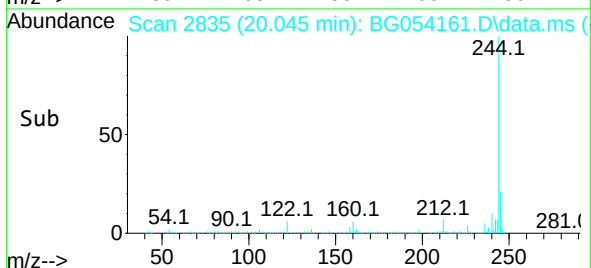
Reviewed By :Christian Giraldo 06/30/2022
 Supervised By :Jagrut Upadhyay 07/01/2022

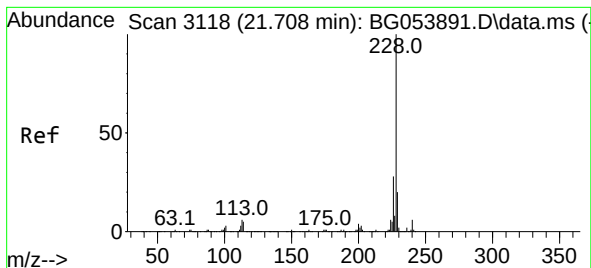


#79
 Terphenyl-d14
 Concen: 65.537 ng
 RT: 20.045 min Scan# 2835
 Delta R.T. 0.000 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32



Tgt Ion:244 Resp: 579897
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 5.6 5.0 7.4





#81

Benzo(a)anthracene

Concen: 22.359 ng

RT: 21.696 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BG054161.D

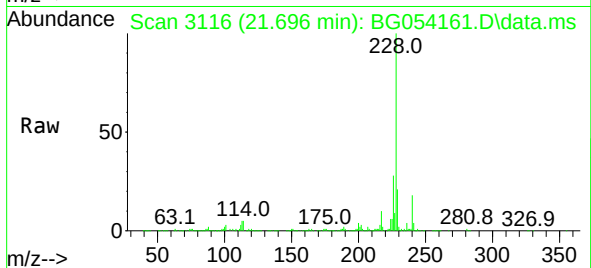
Acq: 30 Jun 2022 1:32

Instrument :

BNA_G

ClientSampleId :

SB-12-3-5-20220623



Tgt Ion:228 Resp: 257999

Ion Ratio Lower Upper

228 100

226 27.8 21.6 32.4

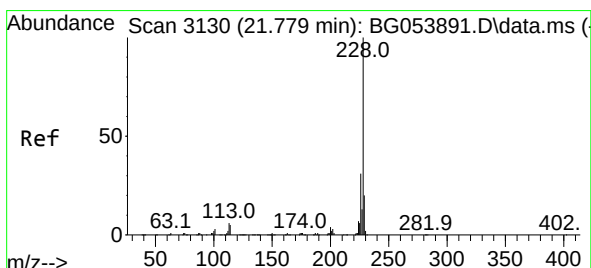
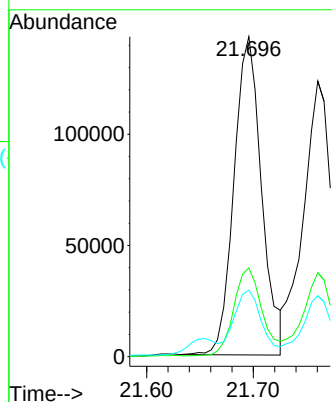
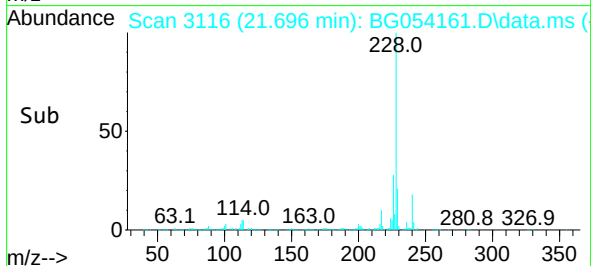
229 20.8 16.2 24.2

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Reviewed By :Christian Giraldo 06/30/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#83

Chrysene

Concen: 20.631 ng

RT: 21.760 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BG054161.D

Acq: 30 Jun 2022 1:32

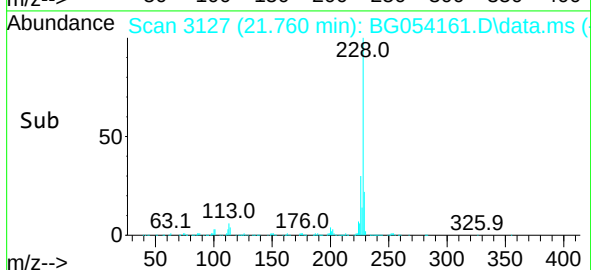
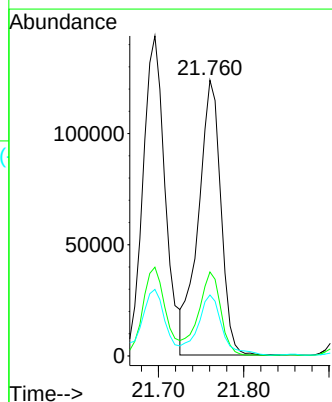
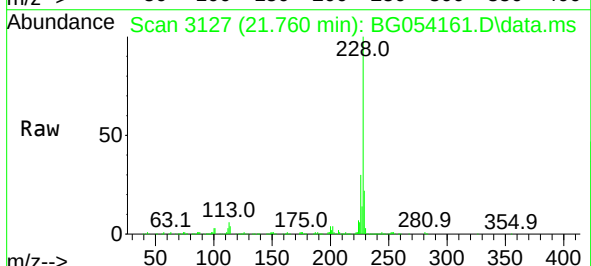
Tgt Ion:228 Resp: 226922

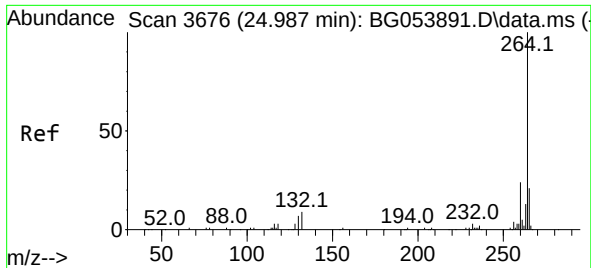
Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

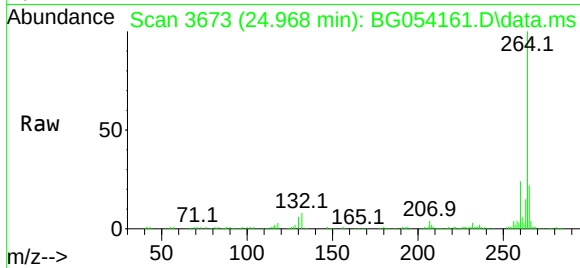
229 22.1 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.968 min Scan# 30
 Delta R.T. 0.006 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

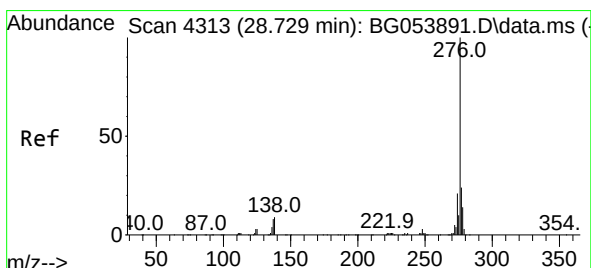
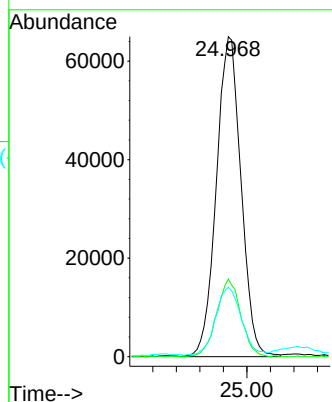
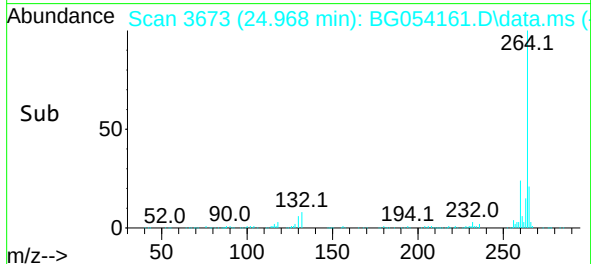
Instrument :
 BNA_G
 ClientSampleId :
 SB-12-3-5-20220623



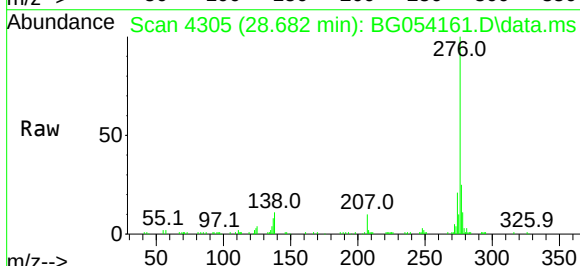
Tgt Ion:264 Resp: 18857
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.0 28.6
 265 21.7 17.4 26.2

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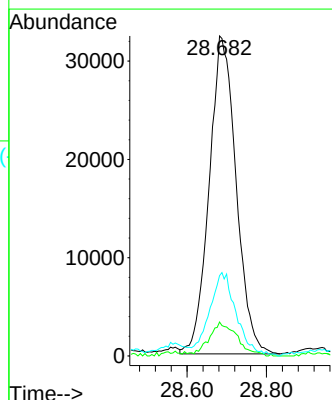
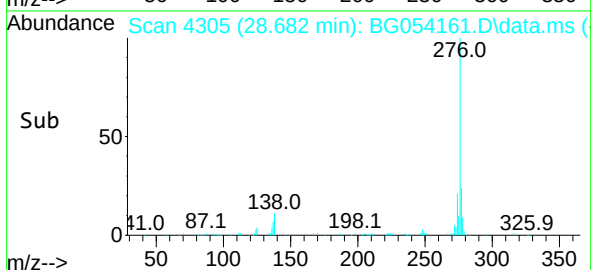
Reviewed By :Christian Giraldo 06/30/2022
 Supervised By :Jagrut Upadhyay 07/01/2022

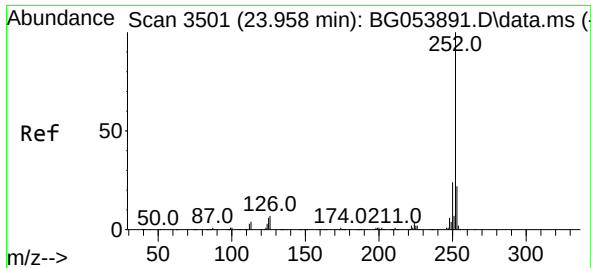


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.720 ng
 RT: 28.682 min Scan# 4305
 Delta R.T. -0.006 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32



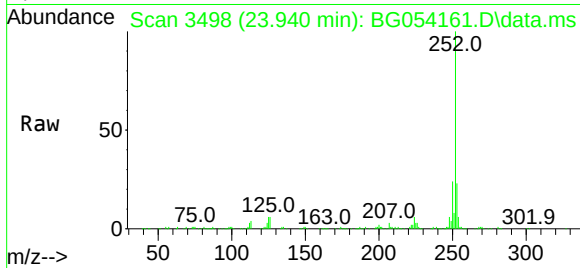
Tgt Ion:276 Resp: 152556
 Ion Ratio Lower Upper
 276 100
 138 11.0 5.0 7.4#
 277 26.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 25.152 ng
RT: 23.940 min Scan# 34
Delta R.T. 0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

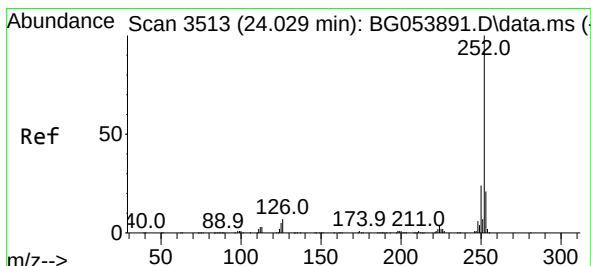
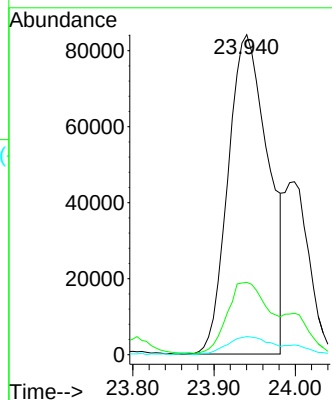
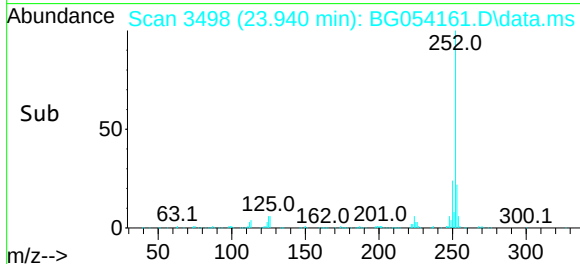
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623



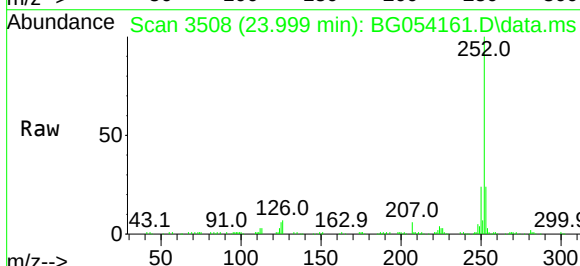
Tgt Ion:252 Resp: 288384
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 5.7 4.6 6.8

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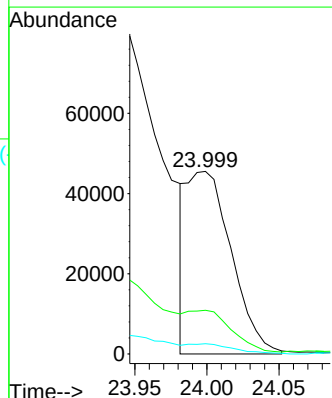
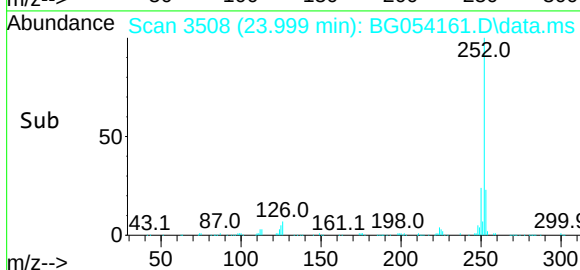
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022

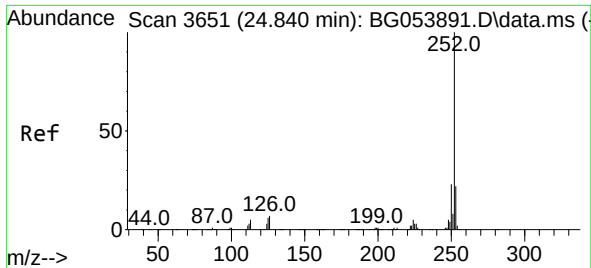


#89
Benzo(k)fluoranthene
Concen: 8.561 ng m
RT: 23.999 min Scan# 3508
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32



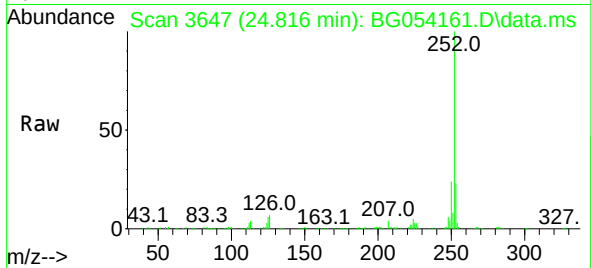
Tgt Ion:252 Resp: 97189
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 5.6 4.8 7.2





#90
Benzo(a)pyrene
Concen: 22.711 ng
RT: 24.816 min Scan# 30
Delta R.T. 0.000 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32

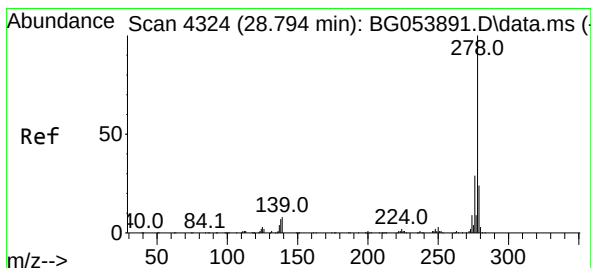
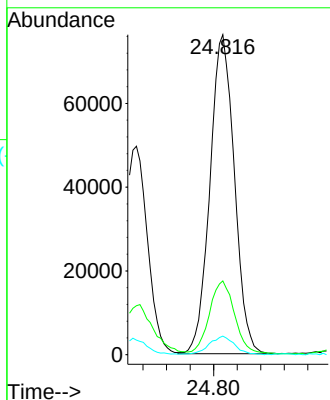
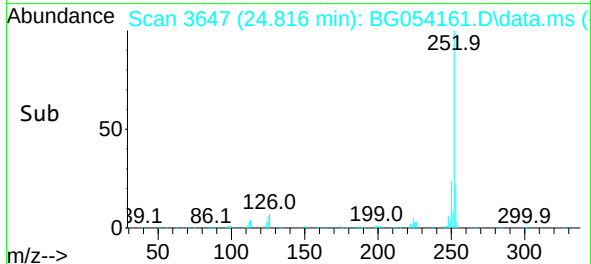
Instrument :
BNA_G
ClientSampleId :
SB-12-3-5-20220623



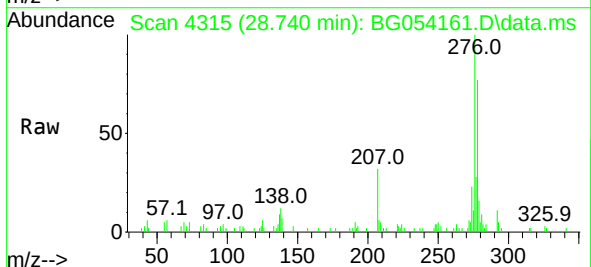
Tgt Ion:252 Resp: 21970
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 5.8 4.3 6.5

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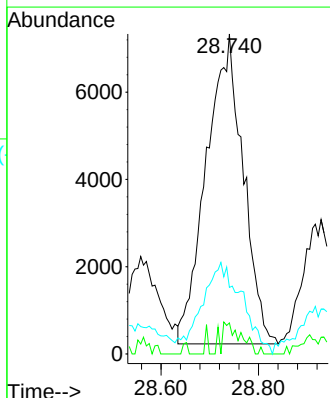
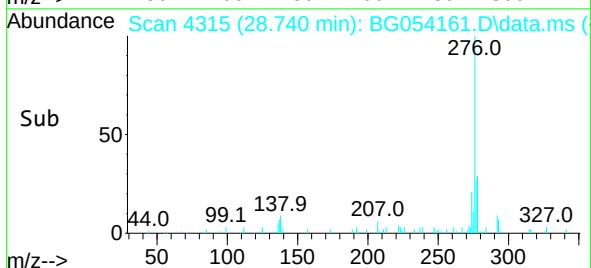
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022

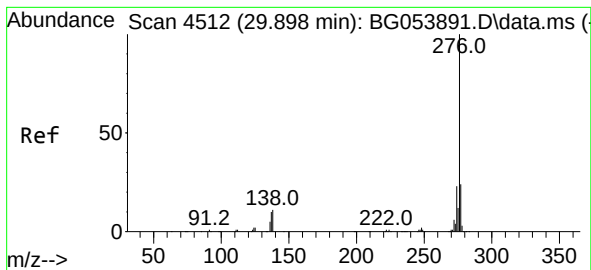


#91
Dibenzo(a,h)anthracene
Concen: 3.159 ng
RT: 28.740 min Scan# 4315
Delta R.T. -0.006 min
Lab File: BG054161.D
Acq: 30 Jun 2022 1:32



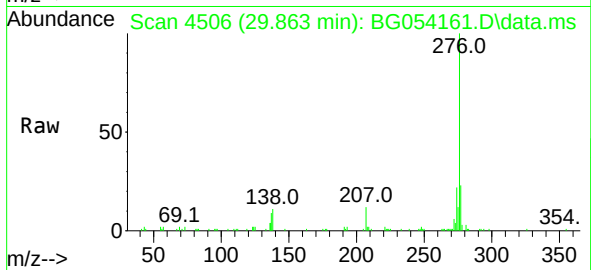
Tgt Ion:278 Resp: 37175
Ion Ratio Lower Upper
278 100
139 9.7 7.2 10.8
279 20.8 18.6 27.8





#92
 Benzo(g,h,i)perylene
 Concen: 12.961 ng
 RT: 29.863 min Scan# 4512
 Delta R.T. 0.000 min
 Lab File: BG054161.D
 Acq: 30 Jun 2022 1:32

Instrument :
 BNA_G
 ClientSampleId :
 SB-12-3-5-20220623



Tgt Ion: 276 Resp: 15051
 Ion Ratio Lower Upper
 276 100
 277 23.4 17.3 25.9
 138 10.6 9.6 14.4

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

