

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
 Data File : BG054561.D
 Acq On : 8 Aug 2022 20:26
 Operator : CG/JU
 Sample : N4063-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-5A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 01:57:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 08 14:48:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	20480	20.000	ng	0.00
21) Naphthalene-d8	10.788	136	79937	20.000	ng	# 0.00
39) Acenaphthene-d10	14.619	164	54556	20.000	ng	0.00
64) Phenanthrene-d10	17.368	188	124731	20.000	ng	# 0.00
76) Chrysene-d12	21.646	240	148281	20.000	ng	# 0.01
86) Perylene-d12	24.871	264	143275	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.565	112	116092	118.353	ng	0.00
7) Phenol-d6	7.180	99	151823	112.957	ng	0.00
23) Nitrobenzene-d5	9.143	82	102563	69.871	ng	0.00
42) 2,4,6-Tribromophenol	16.117	330	112061	97.829	ng	0.00
45) 2-Fluorobiphenyl	13.238	172	284356	73.528	ng	0.00
79) Terphenyl-d14	19.977	244	522364	69.885	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.349	152	397835	85.717	ng	99
58) Fluorene	15.688	166	22091	5.373	ng	# 47
72) Anthracene	17.504	178	129255	21.205	ng	98
75) Fluoranthene	19.425	202	96451	11.391	ng	91
78) Pyrene	19.795	202	1104439	129.808	ng	94
81) Benzo(a)anthracene	21.622	228	302869	32.176	ng	# 81
83) Chrysene	21.663	228	561823	63.177	ng	# 66
87) Indeno(1,2,3-cd)pyrene	28.573	276	621278	57.000	ng	98
88) Benzo(b)fluoranthene	23.867	252	1264781m	149.270	ng	
89) Benzo(k)fluoranthene	23.914	252	387178m	45.914	ng	
90) Benzo(a)pyrene	24.748	252	1475104	203.853	ng	97
91) Dibenzo(a,h)anthracene	28.596	278	153633	17.142	ng	# 91
92) Benzo(g,h,i)perylene	29.736	276	609590	68.913	ng	# 91

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

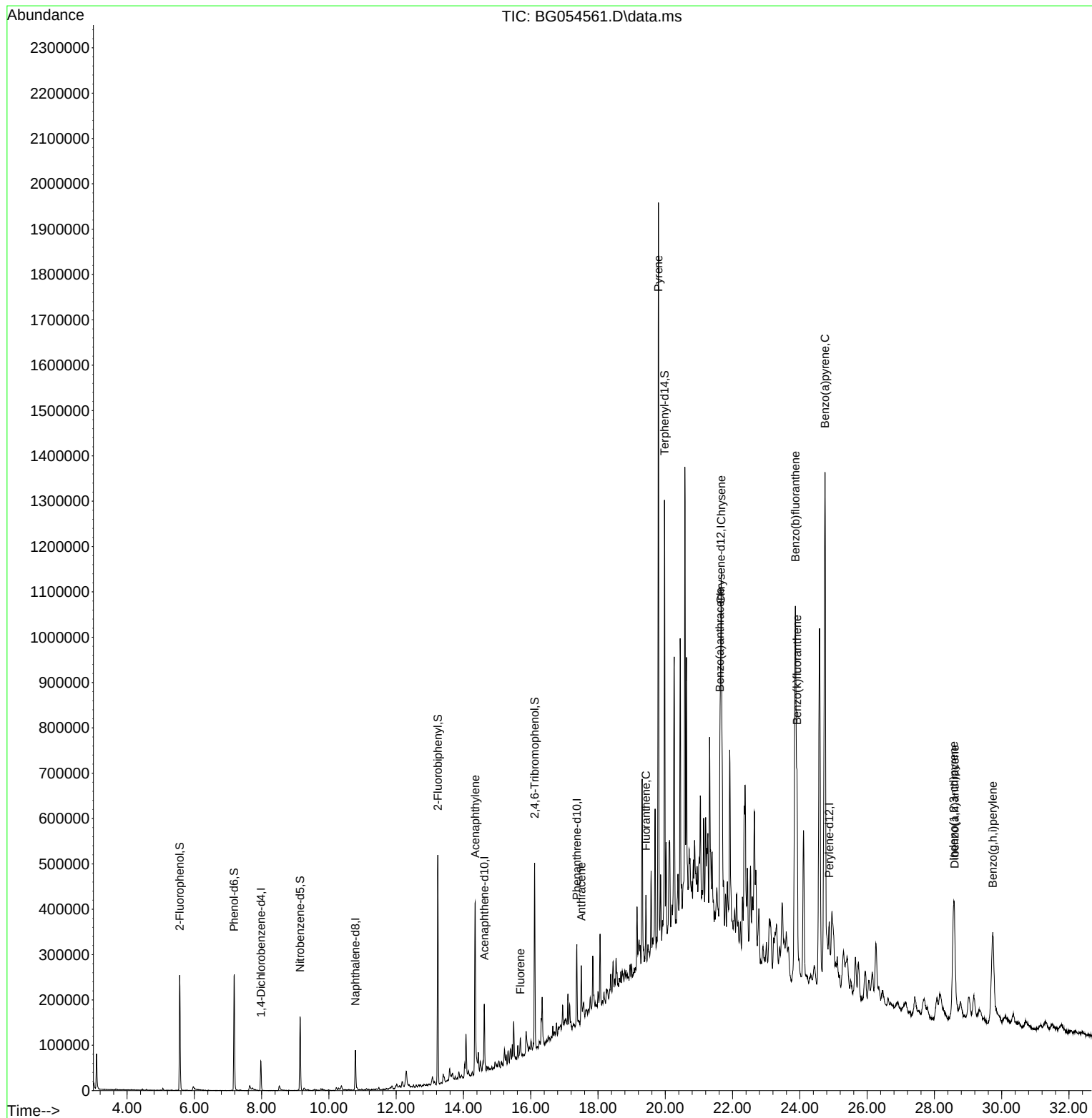
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054561.D
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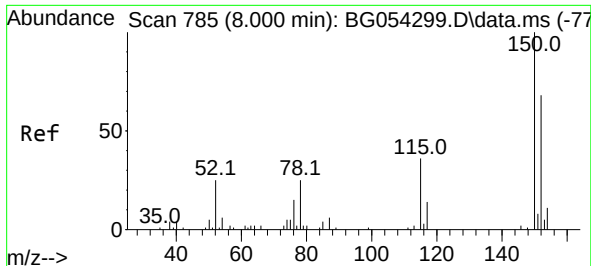
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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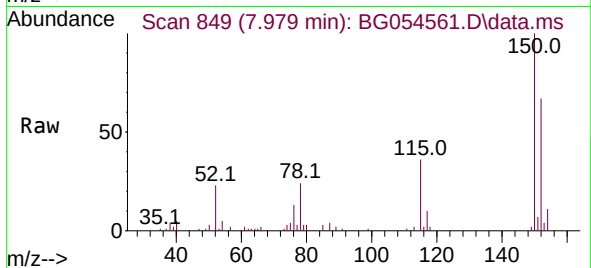
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.979 min Scan# 84
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

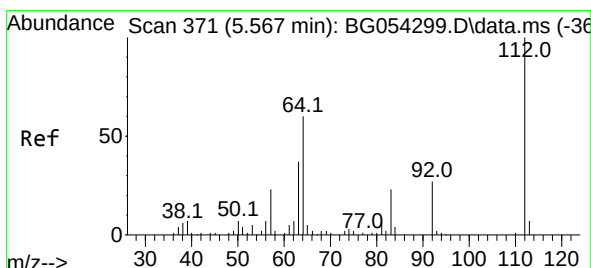
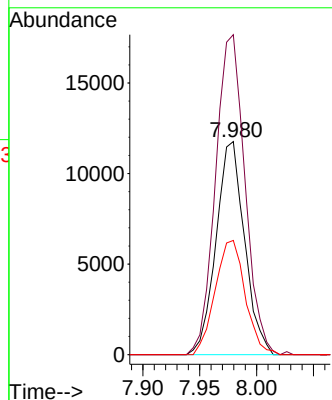
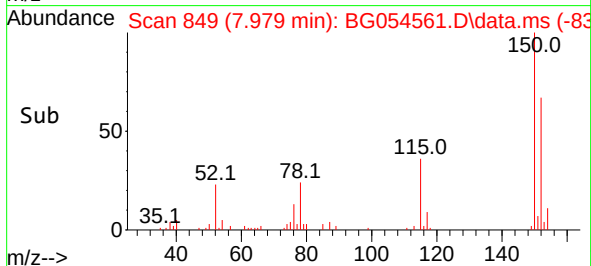
Instrument :
BNA_G
ClientSampleId :
P-5A



Tgt Ion:152 Resp: 20480
Ion Ratio Lower Upper
152 100
150 150.2 131.6 197.4
115 53.5 50.9 76.3

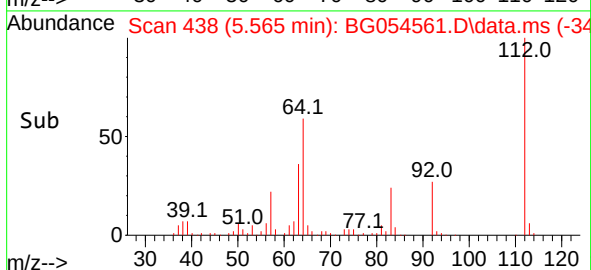
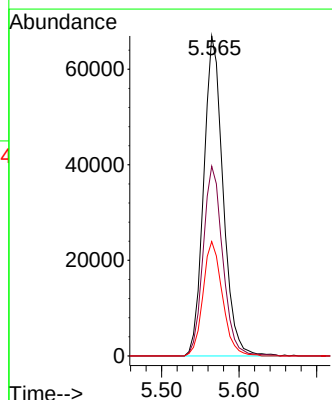
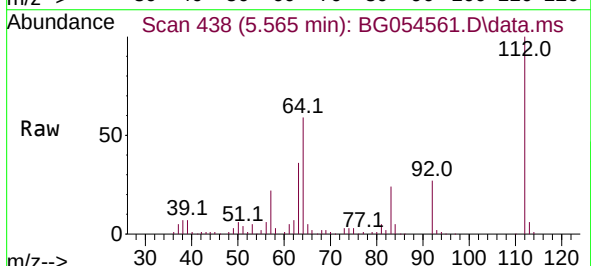
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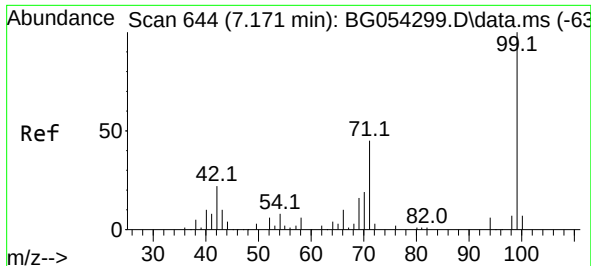
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 118.353 ng
RT: 5.565 min Scan# 438
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

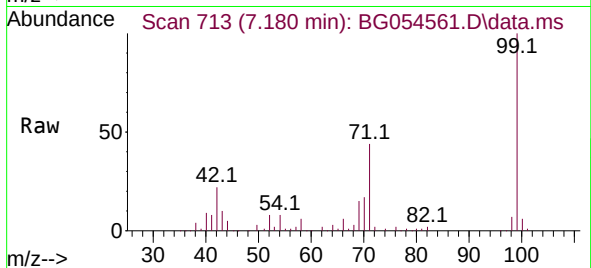
Tgt Ion:112 Resp: 116092
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 35.7 30.4 45.6





#7
Phenol-d6
Concen: 112.957 ng
RT: 7.180 min Scan# 71
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

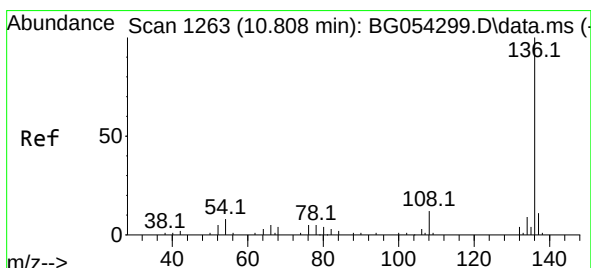
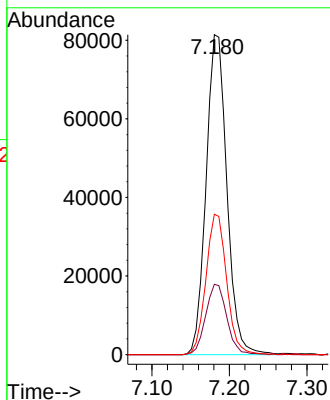
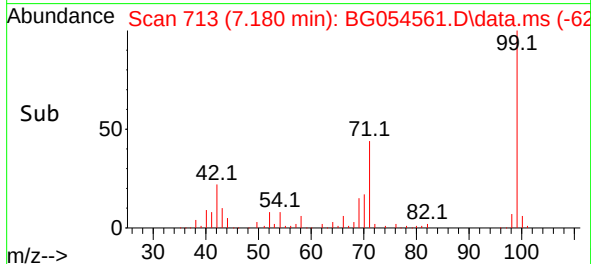
Instrument :
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ClientSampleId :
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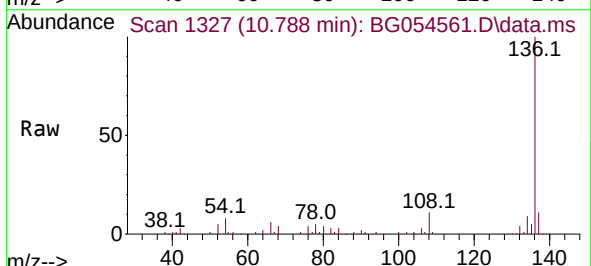
Tgt Ion: 99 Resp: 151823
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 43.9 33.8 50.8

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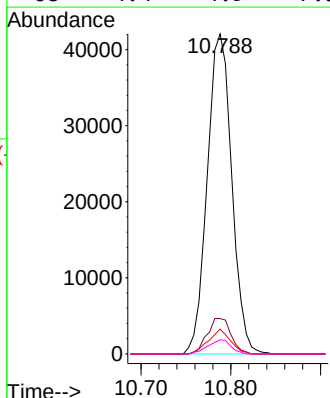
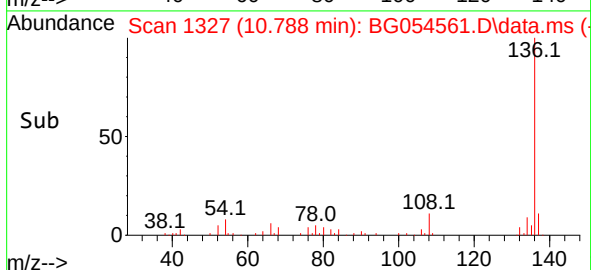
Reviewed By :Christian Giraldo 08/09/2022
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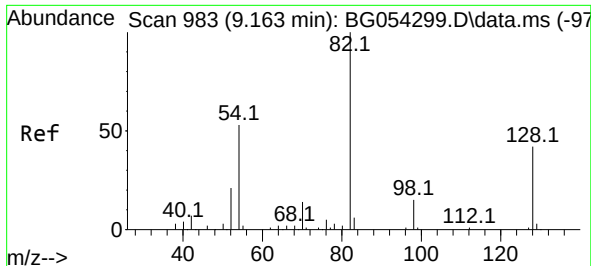


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.788 min Scan# 1327
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



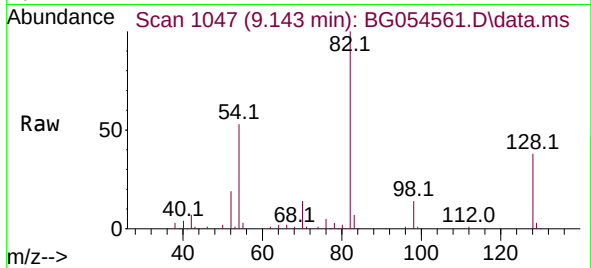
Tgt Ion:136 Resp: 79937
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 7.7 7.4 11.2
68 4.4 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 69.871 ng
RT: 9.143 min Scan# 1047
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

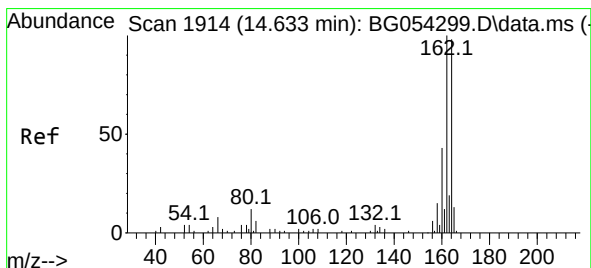
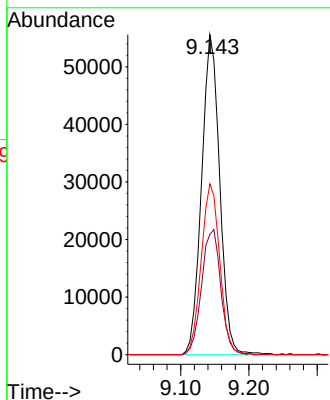
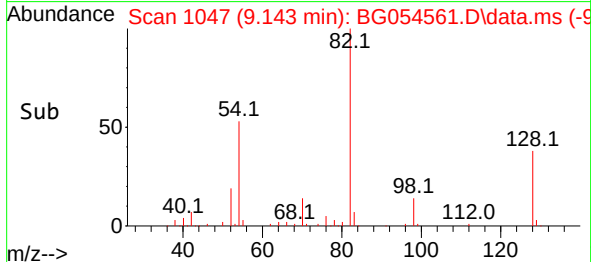
Instrument :
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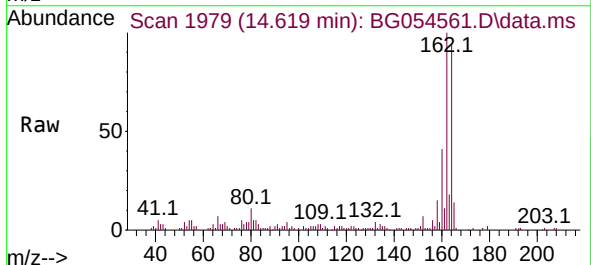
Tgt Ion: 82 Resp: 102563
Ion Ratio Lower Upper
82 100
128 37.6 27.9 41.9
54 53.4 41.2 61.8

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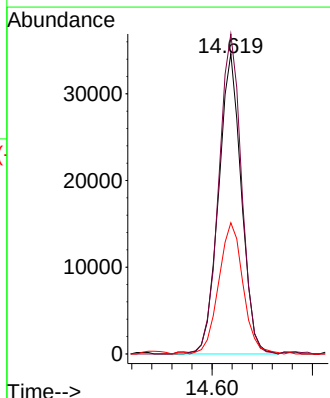
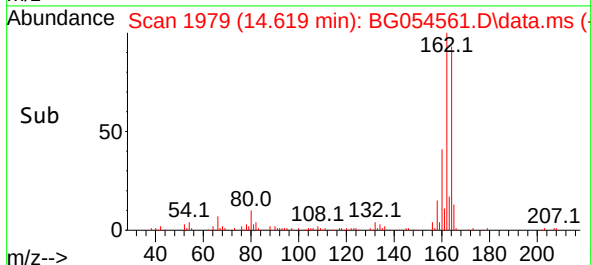
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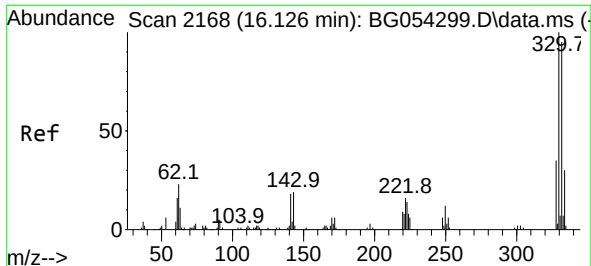


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.619 min Scan# 1979
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



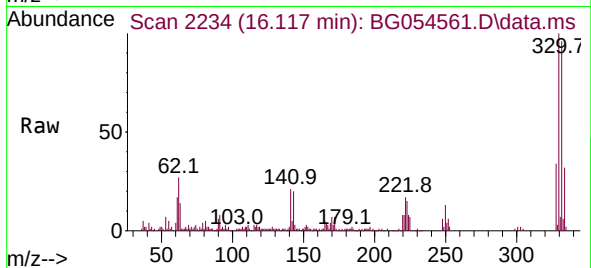
Tgt Ion:164 Resp: 54556
Ion Ratio Lower Upper
164 100
162 106.6 82.3 123.5
160 43.7 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 97.829 ng
RT: 16.117 min Scan# 2168
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

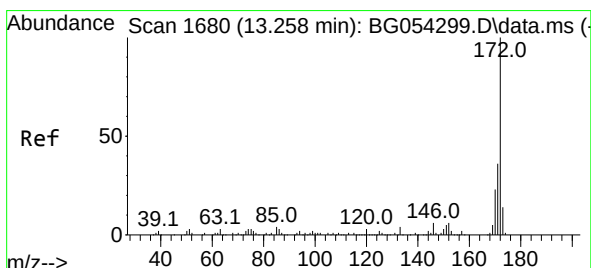
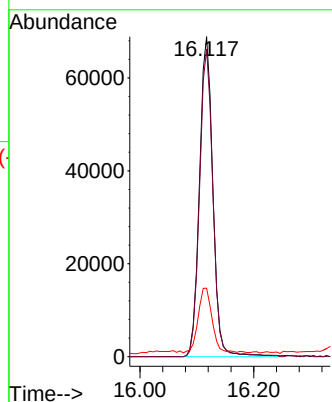
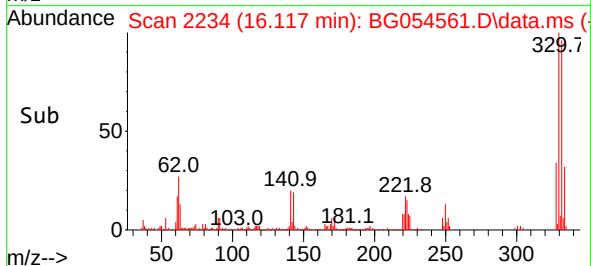
Instrument :
BNA_G
ClientSampleId :
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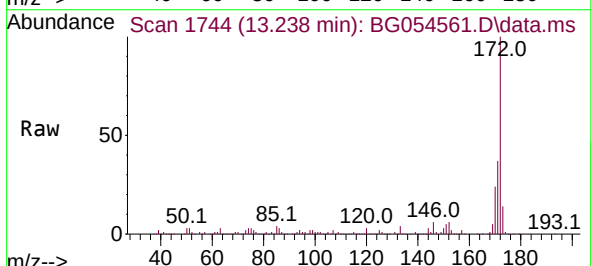
Tgt Ion:330 Resp: 112061
Ion Ratio Lower Upper
330 100
332 95.0 76.0 114.0
141 21.2 27.1 40.7

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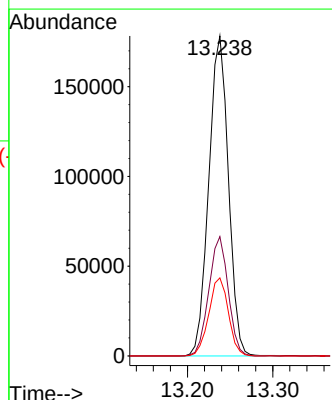
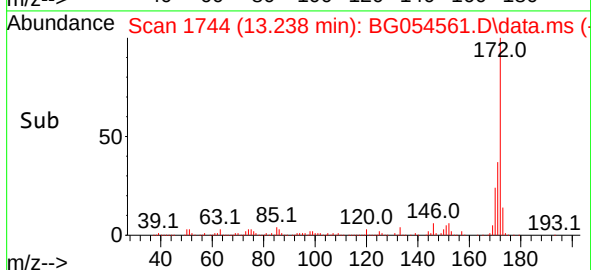
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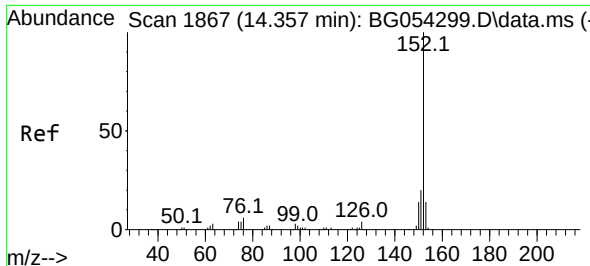


#45
2-Fluorobiphenyl
Concen: 73.528 ng
RT: 13.238 min Scan# 1744
Delta R.T. 0.001 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



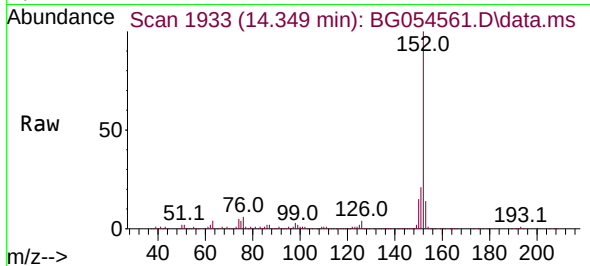
Tgt Ion:172 Resp: 284356
Ion Ratio Lower Upper
172 100
171 37.3 28.5 42.7
170 24.4 18.9 28.3





#49
Acenaphthylene
Concen: 85.717 ng
RT: 14.349 min Scan# 1933
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

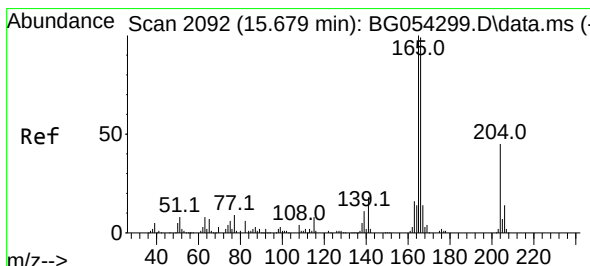
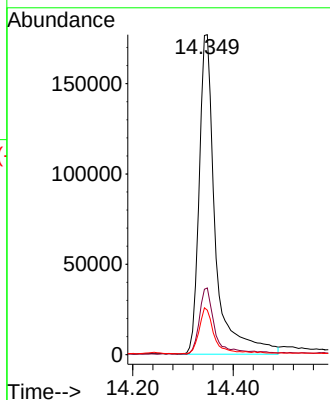
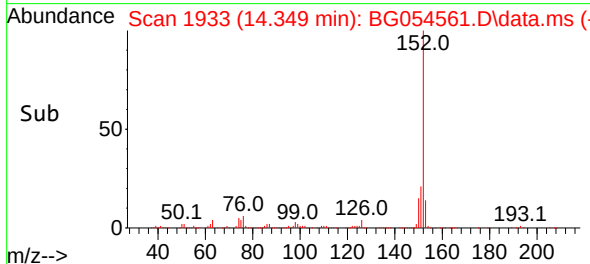
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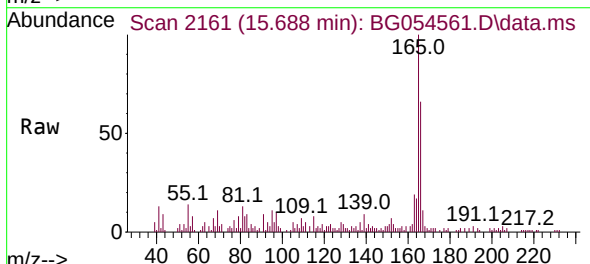
Tgt Ion:152 Resp: 397835
Ion Ratio Lower Upper
152 100
151 20.8 16.4 24.6
153 13.9 10.8 16.2

Manual Integrations
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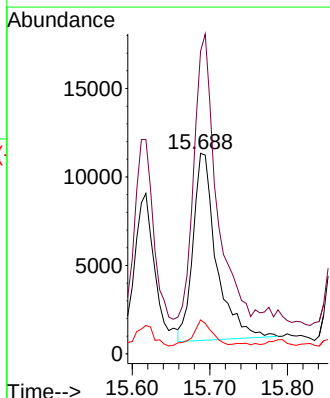
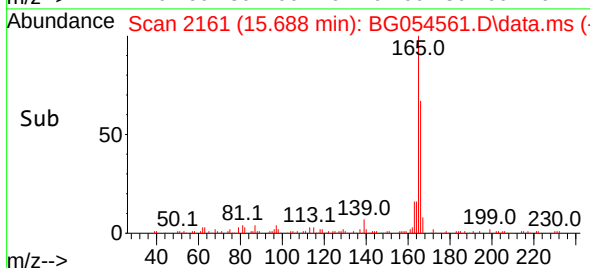
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

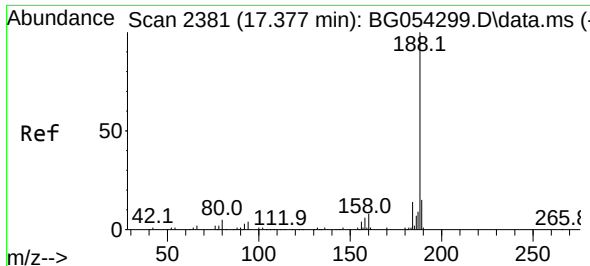


#58
Fluorene
Concen: 5.373 ng
RT: 15.688 min Scan# 2161
Delta R.T. 0.025 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



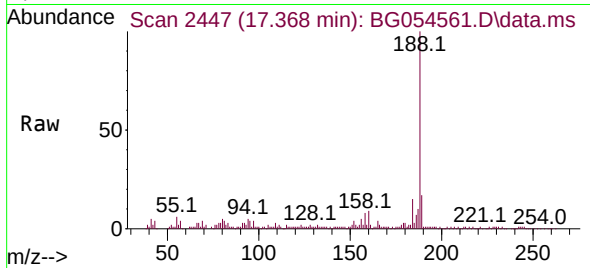
Tgt Ion:166 Resp: 22091
Ion Ratio Lower Upper
166 100
165 151.0 75.0 112.6#
167 17.0 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.368 min Scan# 2447
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

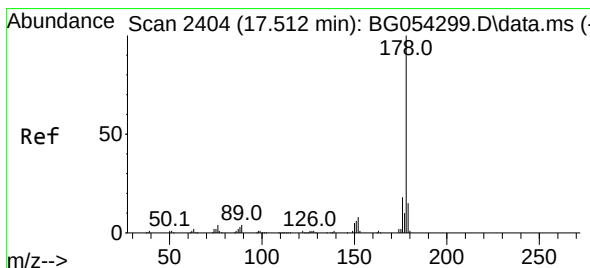
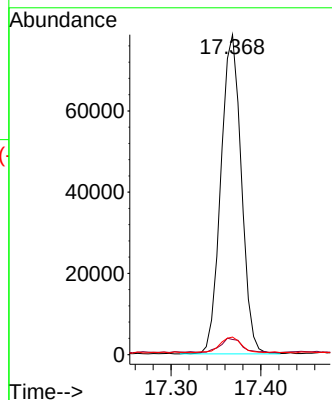
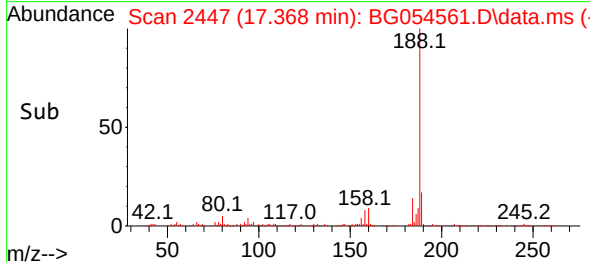
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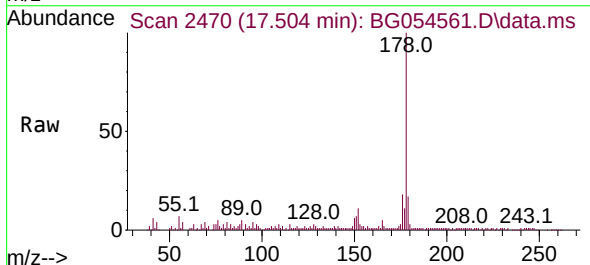
Tgt Ion:188 Resp: 124731
Ion Ratio Lower Upper
188 100
94 4.7 5.4 8.0
80 5.5 6.8 10.2

Manual Integrations
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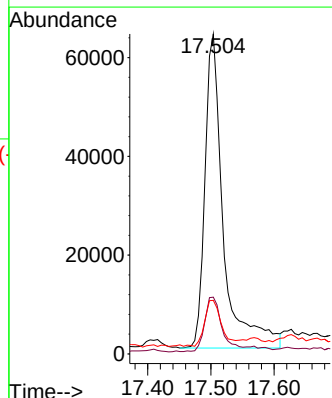
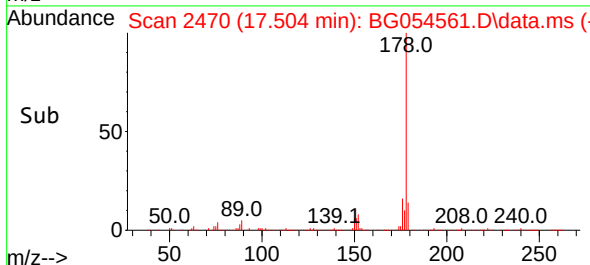
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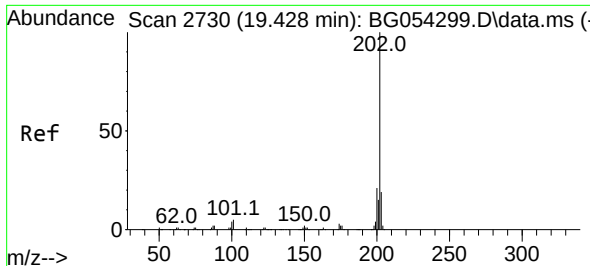


#72
Anthracene
Concen: 21.205 ng
RT: 17.504 min Scan# 2470
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



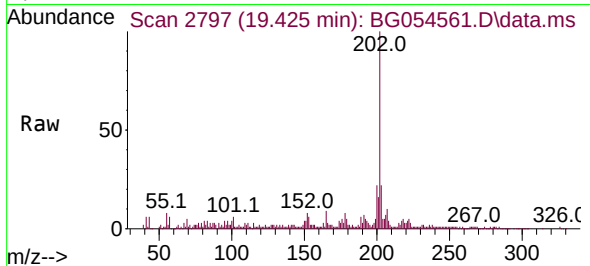
Tgt Ion:178 Resp: 129255
Ion Ratio Lower Upper
178 100
176 17.7 15.2 22.8
179 16.7 13.0 19.4





#75
Fluoranthene
Concen: 11.391 ng
RT: 19.425 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

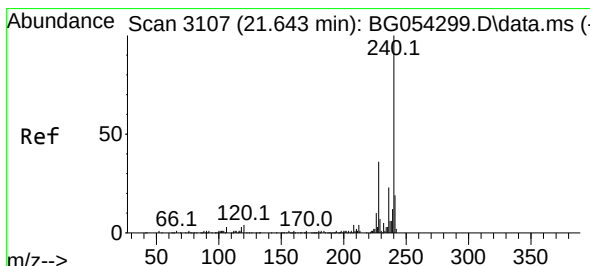
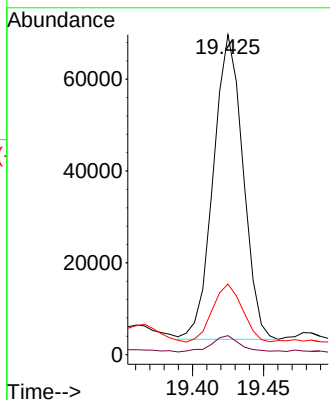
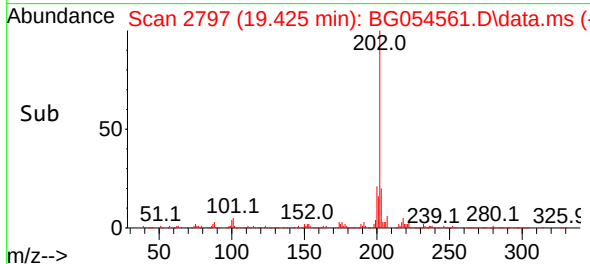
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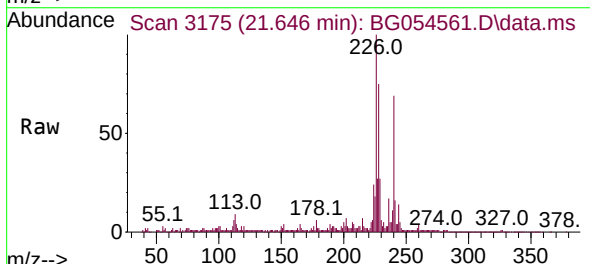
Tgt Ion:202 Resp: 9645
Ion Ratio Lower Upper
202 100
101 5.9 0.0 26.9
203 22.0 0.0 37.2

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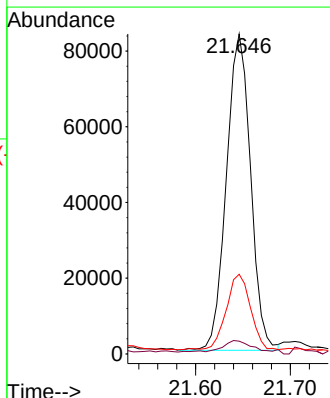
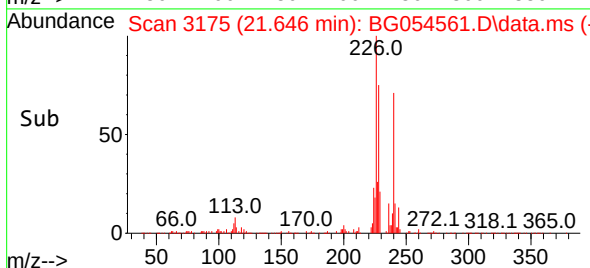
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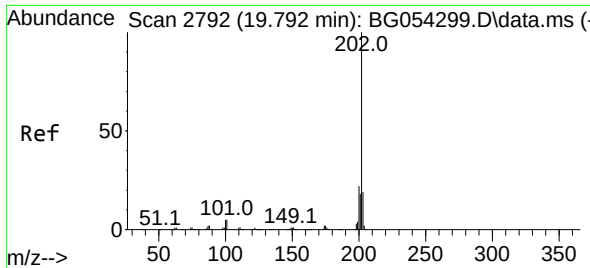


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.646 min Scan# 3175
Delta R.T. 0.013 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



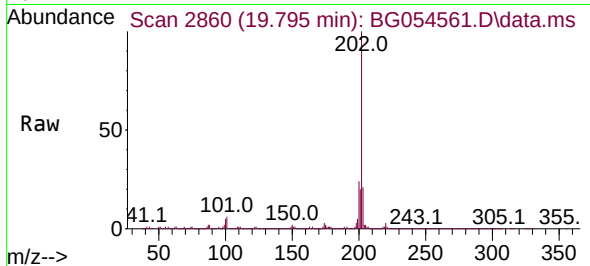
Tgt Ion:240 Resp: 148281
Ion Ratio Lower Upper
240 100
120 4.0 4.6 7.0#
236 24.9 20.2 30.4





#78
Pyrene
Concen: 129.808 ng
RT: 19.795 min Scan# 2860
Delta R.T. 0.013 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

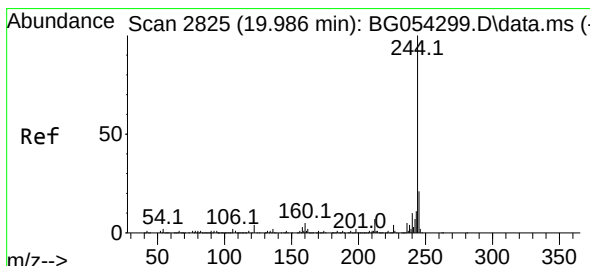
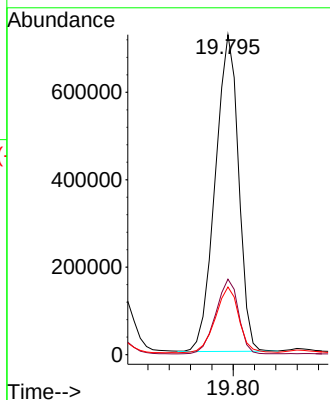
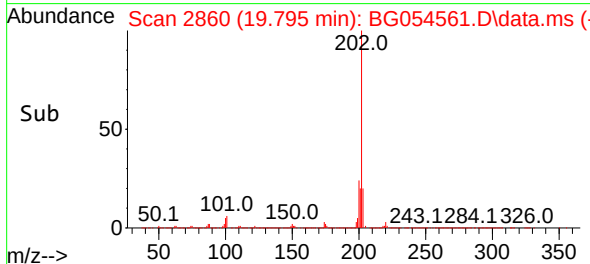
Instrument :
BNA_G
ClientSampleId :
P-5A



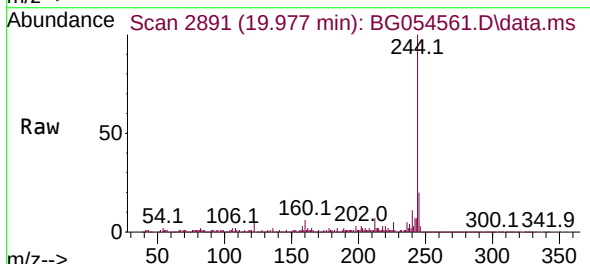
Tgt Ion:202 Resp: 1104439
Ion Ratio Lower Upper
202 100
200 23.6 16.6 24.8
203 21.1 14.6 21.8

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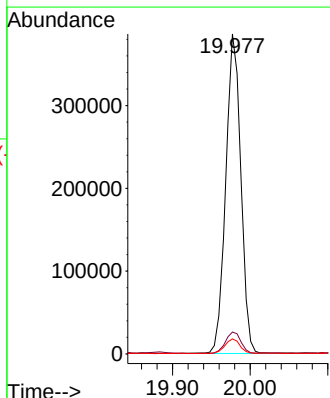
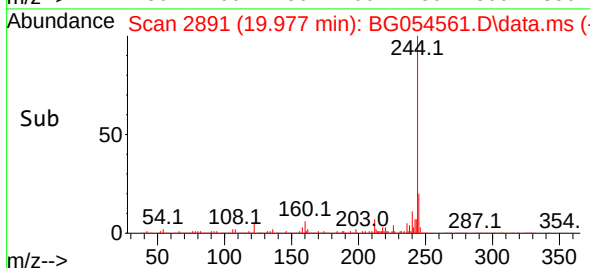
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

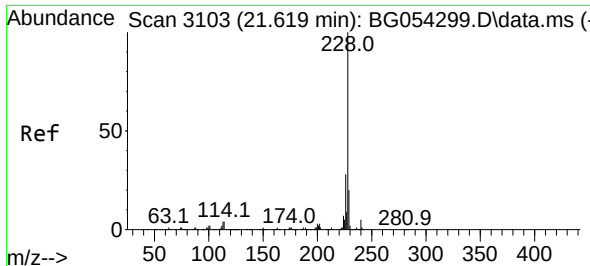


#79
Terphenyl-d14
Concen: 69.885 ng
RT: 19.977 min Scan# 2891
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



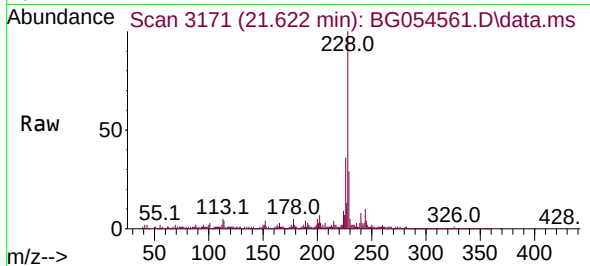
Tgt Ion:244 Resp: 522364
Ion Ratio Lower Upper
244 100
212 6.8 6.5 9.7
122 4.7 5.0 7.4





#81
Benzo(a)anthracene
Concen: 32.176 ng
RT: 21.622 min Scan# 3103
Delta R.T. 0.007 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

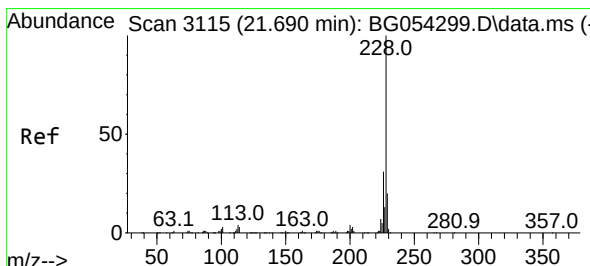
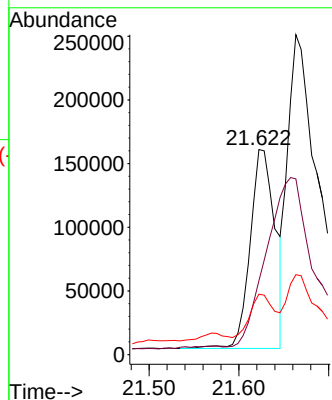
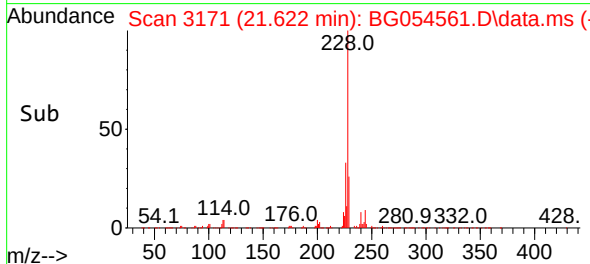
Instrument :
BNA_G
ClientSampleId :
P-5A



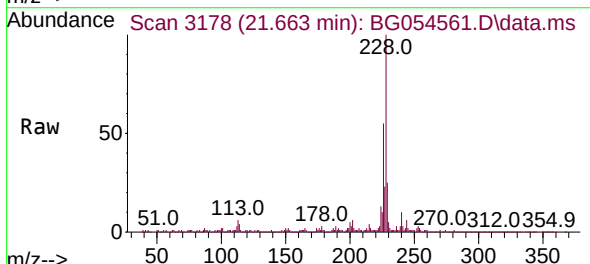
Tgt Ion:228 Resp: 302869
Ion Ratio Lower Upper
228 100
226 36.0 21.6 32.4#
229 29.5 16.2 24.2#

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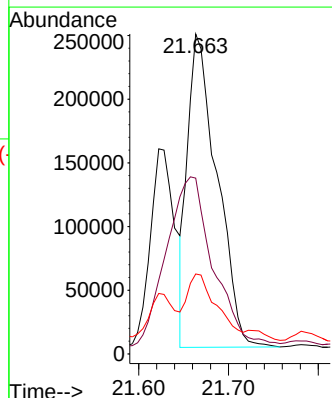
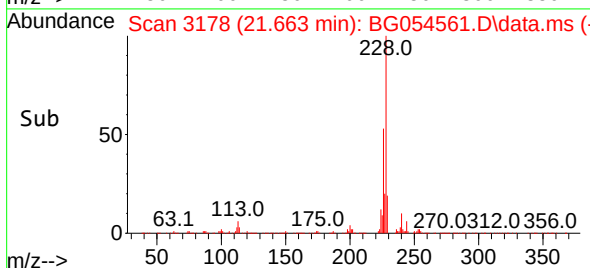
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

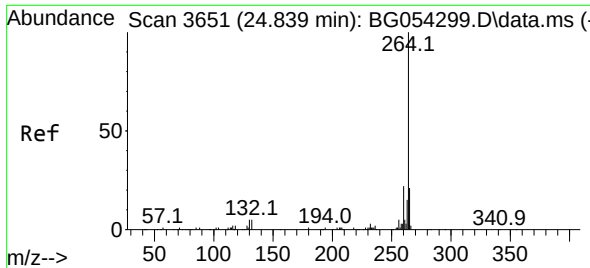


#83
Chrysene
Concen: 63.177 ng
RT: 21.663 min Scan# 3178
Delta R.T. -0.016 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



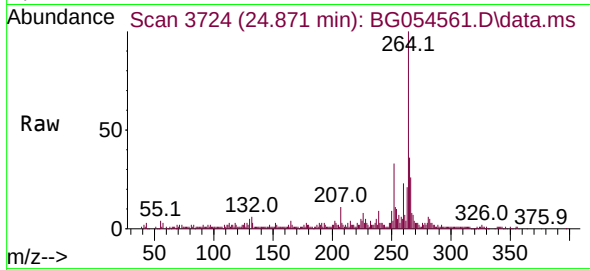
Tgt Ion:228 Resp: 561823
Ion Ratio Lower Upper
228 100
226 54.9 23.4 35.2#
229 25.0 15.5 23.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.871 min Scan# 31
 Delta R.T. 0.037 min
 Lab File: BG054561.D
 Acq: 8 Aug 2022 20:26

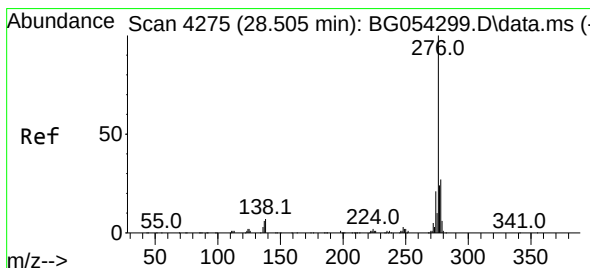
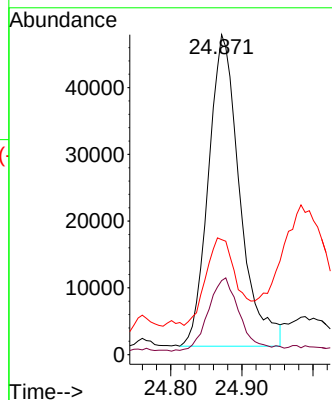
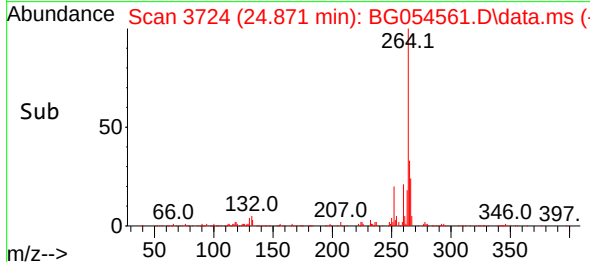
Instrument :
 BNA_G
 ClientSampleId :
 P-5A



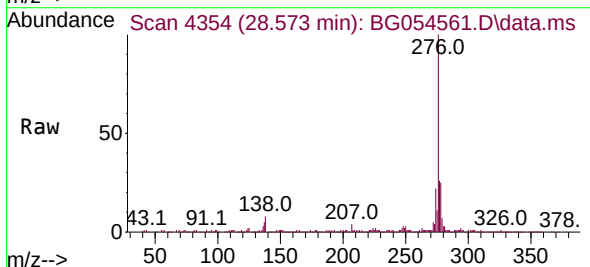
Tgt Ion:264 Resp: 143275
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.0 28.6
 265 35.9 17.4 26.2

Manual Integrations
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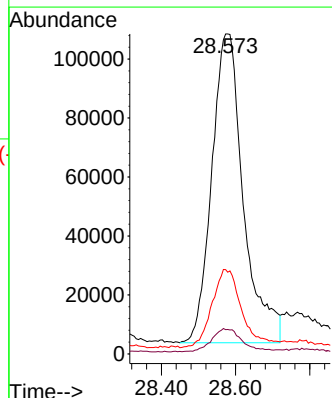
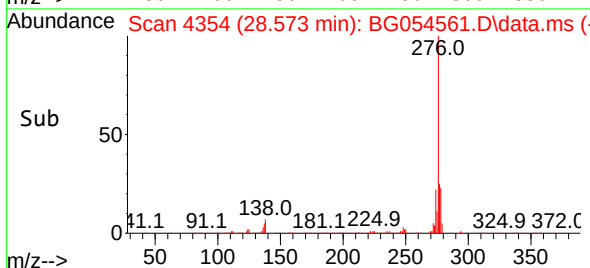
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022

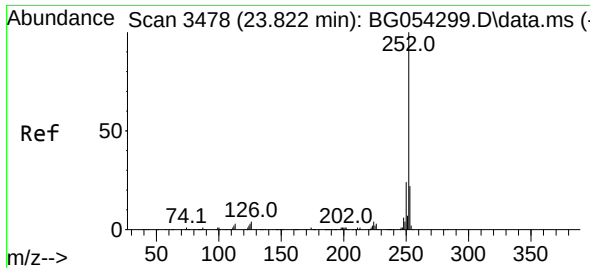


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 57.000 ng
 RT: 28.573 min Scan# 4354
 Delta R.T. 0.042 min
 Lab File: BG054561.D
 Acq: 8 Aug 2022 20:26



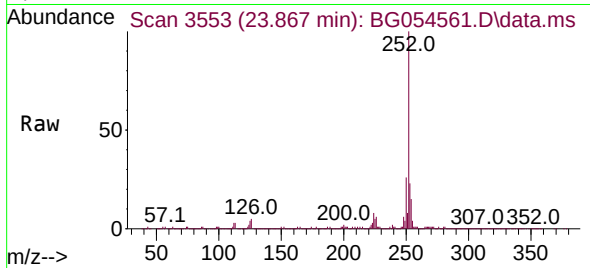
Tgt Ion:276 Resp: 621278
 Ion Ratio Lower Upper
 276 100
 138 7.1 5.0 7.4
 277 24.3 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 149.270 ng m
RT: 23.867 min Scan# 3553
Delta R.T. 0.048 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

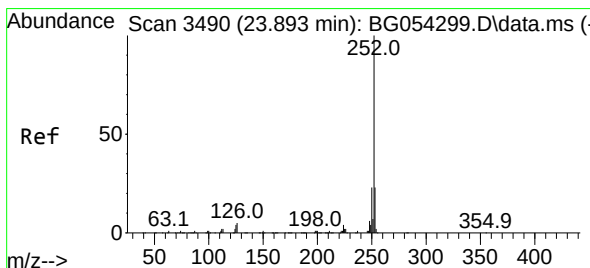
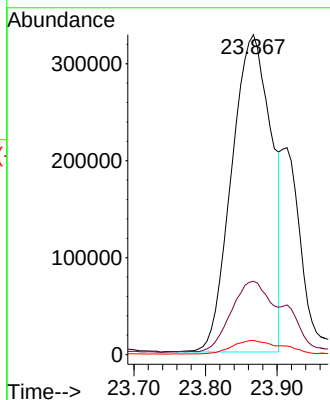
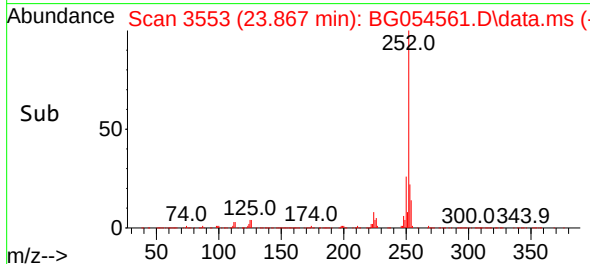
Instrument :
BNA_G
ClientSampleId :
P-5A



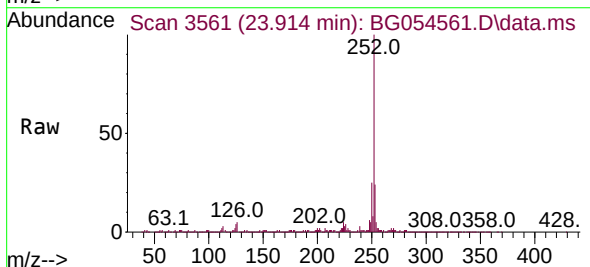
Tgt Ion:252 Resp: 126478
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 4.4 4.6 6.8

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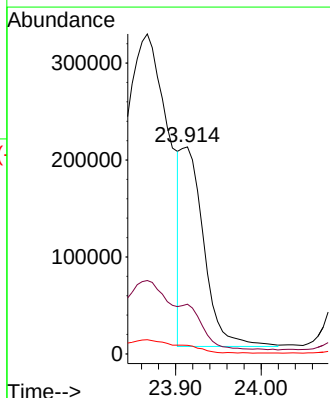
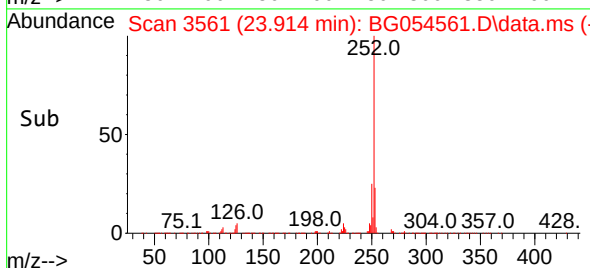
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

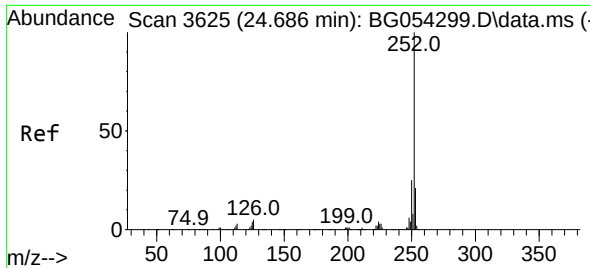


#89
Benzo(k)fluoranthene
Concen: 45.914 ng m
RT: 23.914 min Scan# 3561
Delta R.T. 0.031 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



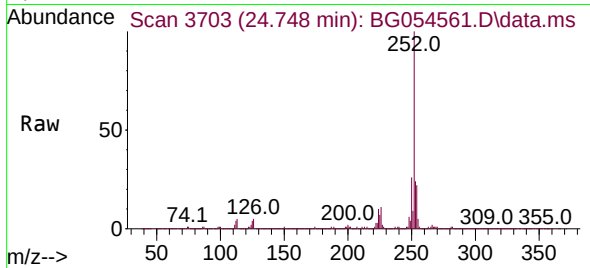
Tgt Ion:252 Resp: 387178
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 4.1 4.8 7.2





#90
Benzo(a)pyrene
Concen: 203.853 ng
RT: 24.748 min Scan# 31
Delta R.T. 0.060 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26

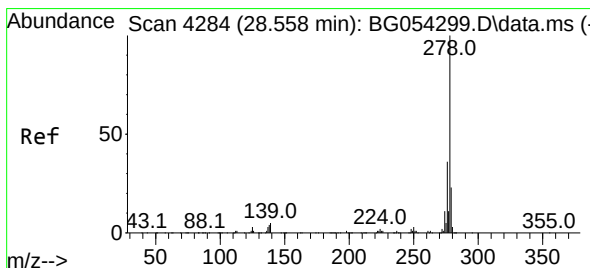
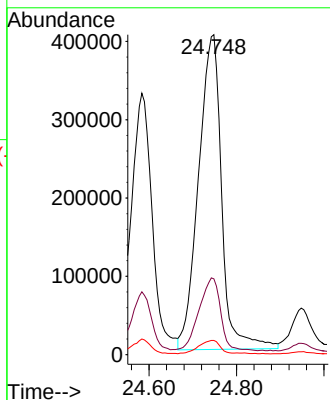
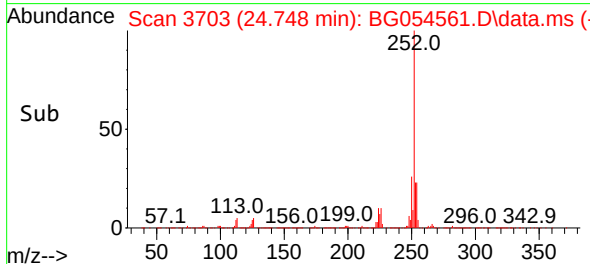
Instrument :
BNA_G
ClientSampleId :
P-5A



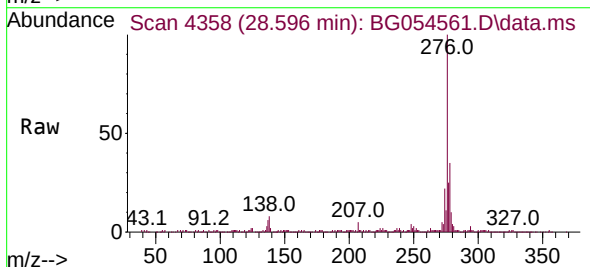
Tgt Ion:252 Resp: 1475104
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 4.4 4.3 6.5

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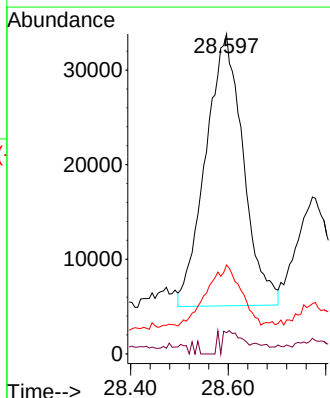
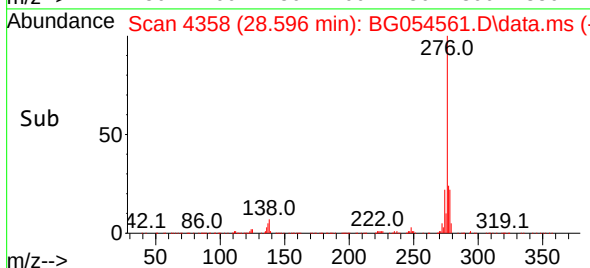
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

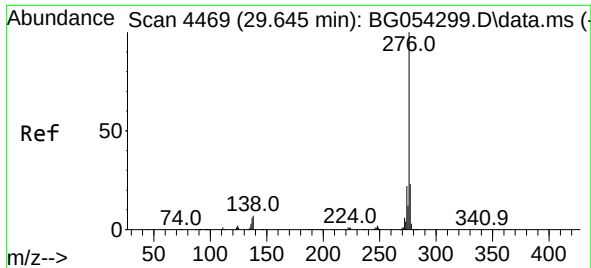


#91
Dibenzo(a,h)anthracene
Concen: 17.142 ng
RT: 28.596 min Scan# 4358
Delta R.T. 0.025 min
Lab File: BG054561.D
Acq: 8 Aug 2022 20:26



Tgt Ion:278 Resp: 153633
Ion Ratio Lower Upper
278 100
139 6.6 7.2 10.8#
279 27.8 18.6 27.8





#92

Benzo(g,h,i)perylene

Concen: 68.913 ng

RT: 29.736 min Scan# 4552

Delta R.T. 0.060 min

Lab File: BG054561.D

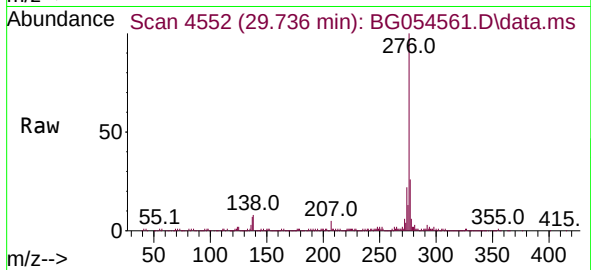
Acq: 8 Aug 2022 20:26

Instrument :

BNA_G

ClientSampleId :

P-5A



Tgt Ion:276 Resp: 609590

Ion Ratio Lower Upper

276 100

277 25.6 17.3 25.9

138 7.5 9.6 14.4

Manual Integrations

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Reviewed By :Christian Giraldo 08/09/2022

Supervised By :Jagrut Upadhyay 08/09/2022

