

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062922\
 Data File : BG054163.D
 Acq On : 30 Jun 2022 2:50
 Operator : CG/JU
 Sample : N3488-06DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-11-0-2-20220623DL

Quant Time: Jun 30 05:34:39 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.067	152	25713	20.000	ng	0.00
21) Naphthalene-d8	10.876	136	104737	20.000	ng	# 0.00
39) Acenaphthene-d10	14.695	164	79354	20.000	ng	0.00
64) Phenanthrene-d10	17.439	188	195362	20.000	ng	# 0.00
76) Chrysene-d12	21.716	240	206258	20.000	ng	0.00
86) Perylene-d12	24.977	264	219604	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.635	112	37302	27.736	ng	0.00
7) Phenol-d6	7.227	99	58253	31.929	ng	0.00
23) Nitrobenzene-d5	9.225	82	38146	20.467	ng	0.00
42) 2,4,6-Tribromophenol	16.181	330	16053	12.591	ng	0.00
45) 2-Fluorobiphenyl	13.320	172	116252	21.303	ng	0.00
79) Terphenyl-d14	20.047	244	236686	23.112	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.759	154	11666	2.631	ng	95
71) Phenanthrene	17.480	178	184881	18.420	ng	97
72) Anthracene	17.574	178	47248	4.820	ng	96
73) Carbazole	17.838	167	25878	3.076	ng	99
75) Fluoranthene	19.489	202	493526	37.456	ng	96
78) Pyrene	19.853	202	470215	37.746	ng	98
81) Benzo(a)anthracene	21.698	228	356270	26.677	ng	98
83) Chrysene	21.763	228	287707	22.601	ng	95
87) Indeno(1,2,3-cd)pyrene	28.702	276	194464	11.734	ng	# 95
88) Benzo(b)fluoranthene	23.943	252	473172	35.437	ng	98
89) Benzo(k)fluoranthene	24.001	252	136947m	10.359	ng	
90) Benzo(a)pyrene	24.824	252	306810	27.234	ng	99
91) Dibenzo(a,h)anthracene	28.737	278	53775m	3.924	ng	
92) Benzo(g,h,i)perylene	29.865	276	183851	13.594	ng	93

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

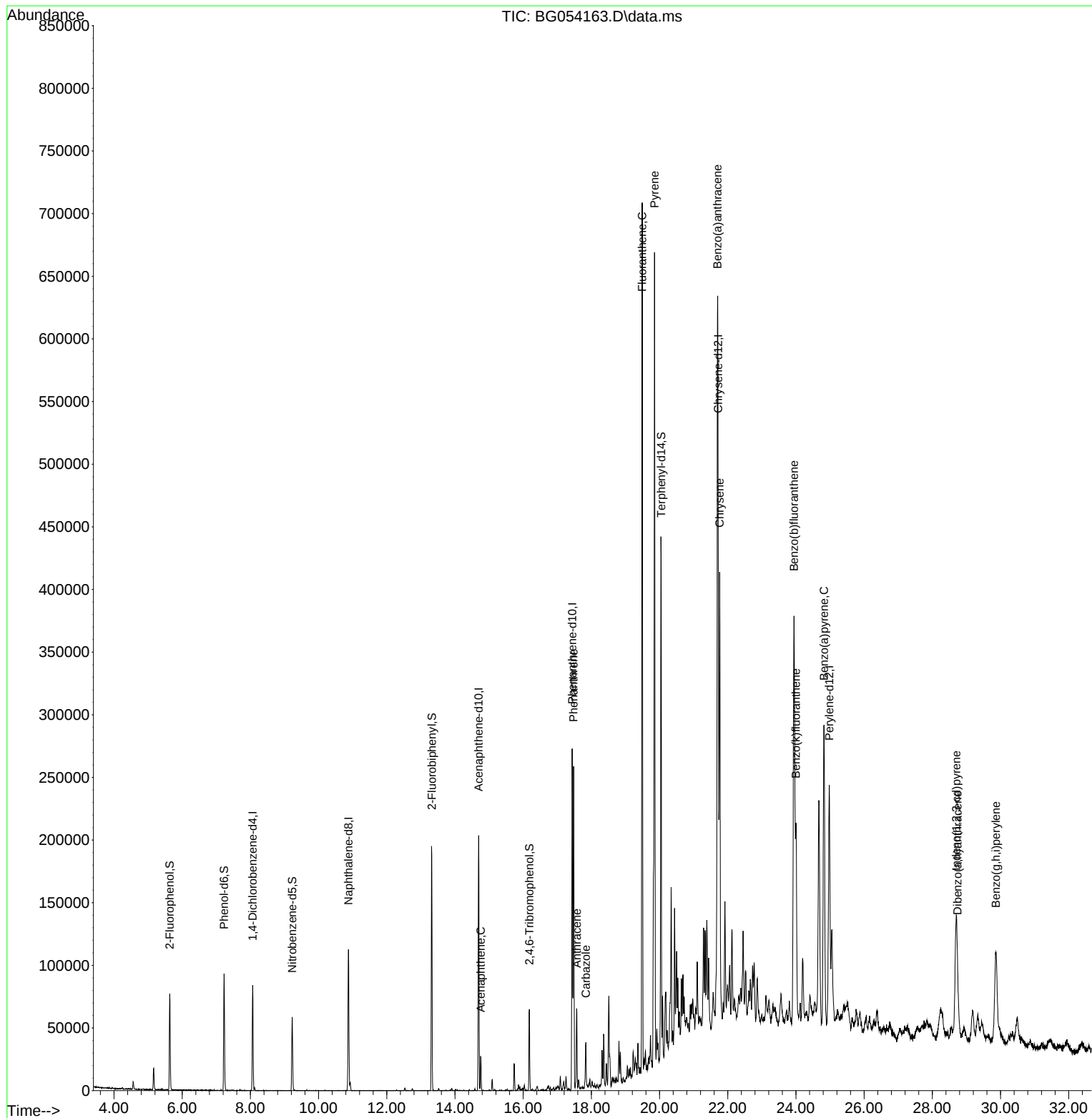
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062922\
Data File : BG054163.D
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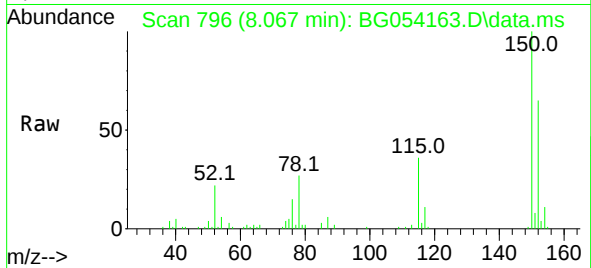
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.067 min Scan# 79
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50

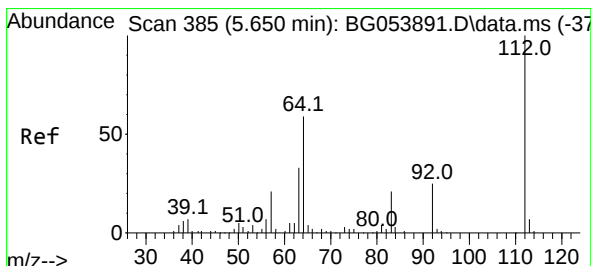
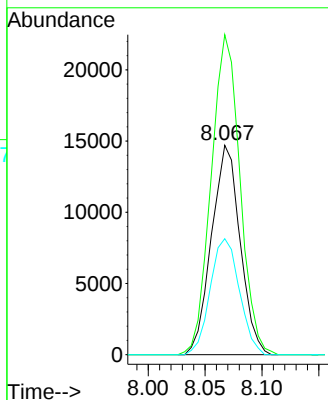
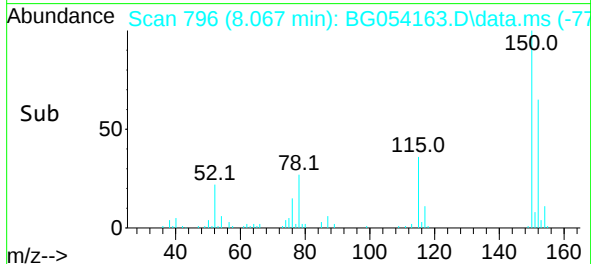
Instrument :
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ClientSampleId :
SB-11-0-2-20220623DL



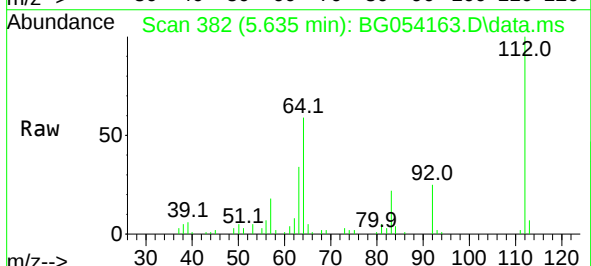
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Ion Ratio Lower Upper
152 100
150 152.8 131.6 197.4
115 55.4 50.9 76.3

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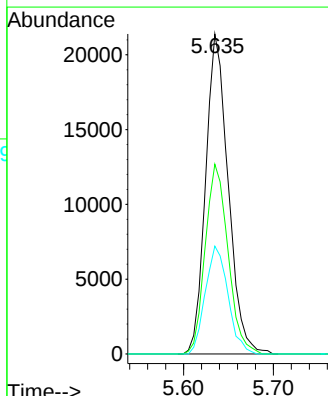
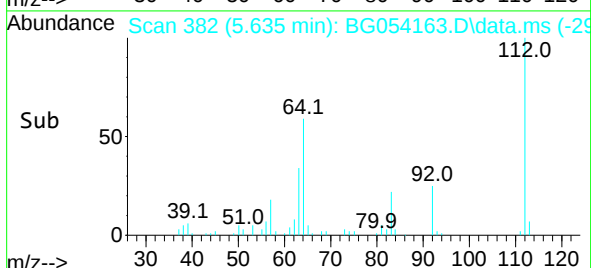
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#5
2-Fluorophenol
Concen: 27.736 ng
RT: 5.635 min Scan# 382
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50



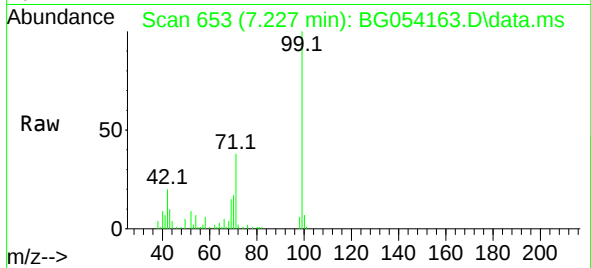
Tgt Ion:112 Resp: 37302
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 33.7 30.4 45.6





#7
Phenol-d6
Concen: 31.929 ng
RT: 7.227 min Scan# 61
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50

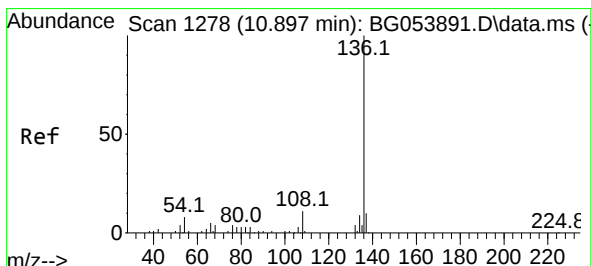
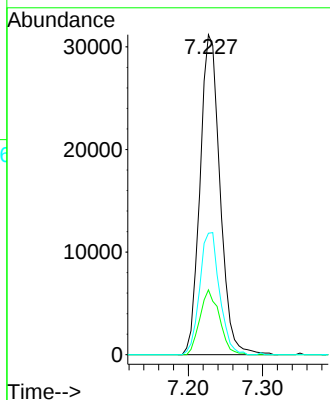
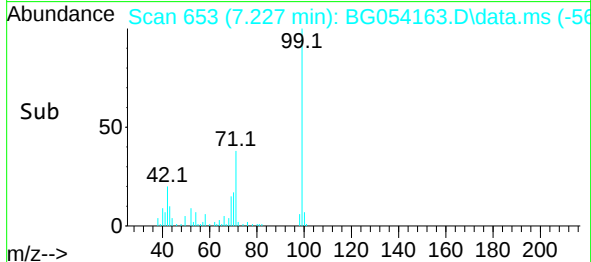
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ClientSampleId :
SB-11-0-2-20220623DL



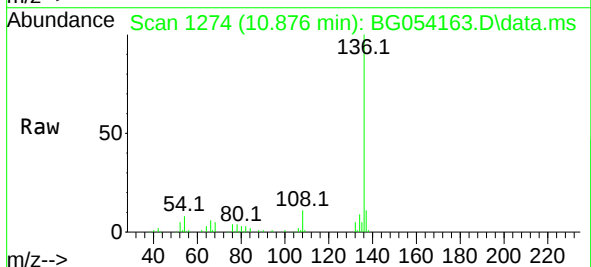
Tgt Ion: 99 Resp: 5825
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 38.0 33.8 50.8

Manual Integrations
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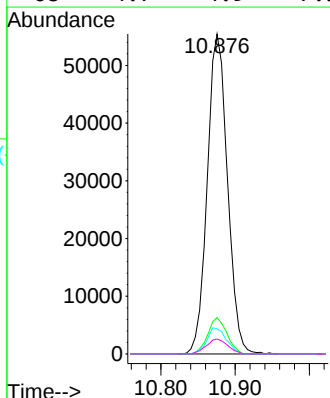
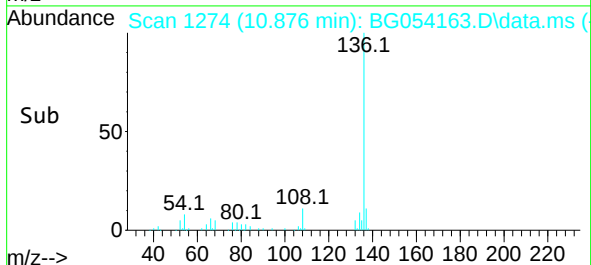
Reviewed By :Christian Giraldo 06/30/2022
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.876 min Scan# 1274
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50



Tgt Ion:136 Resp: 104737
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 7.8 7.4 11.2
68 4.7 4.9 7.3





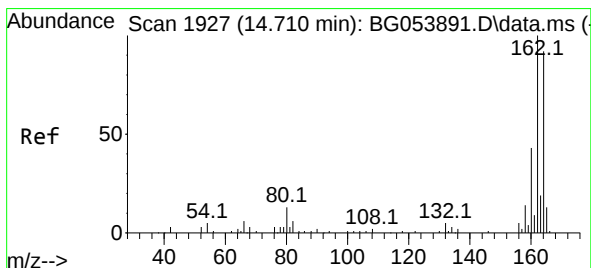
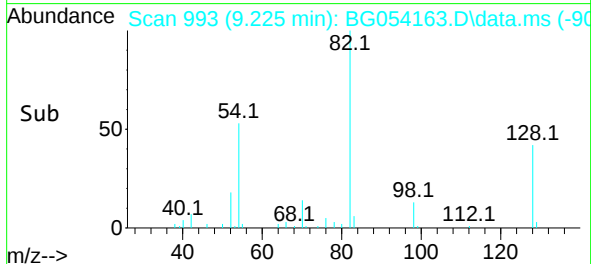
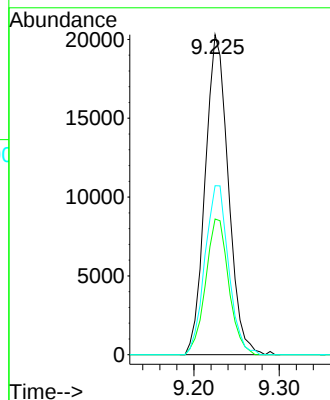
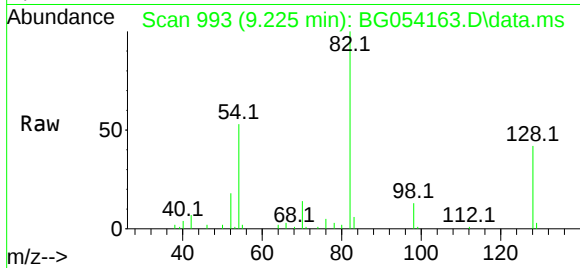
#23
Nitrobenzene-d5
Concen: 20.467 ng
RT: 9.225 min Scan# 997
Delta R.T. -0.009 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623DL

Tgt Ion: 82 Resp: 38140
Ion Ratio Lower Upper
82 100
128 42.4 27.9 41.9
54 52.8 41.2 61.8

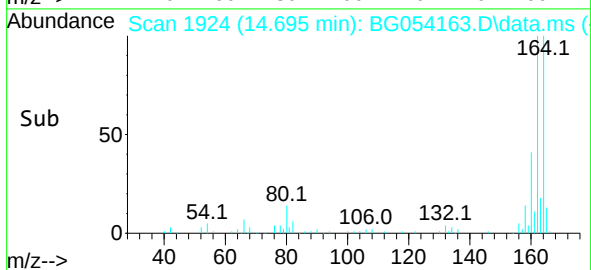
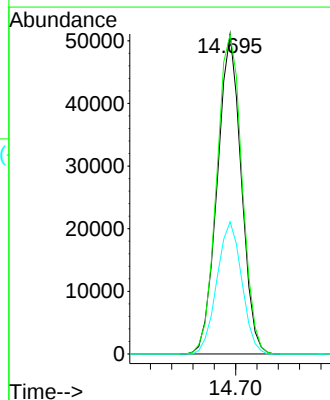
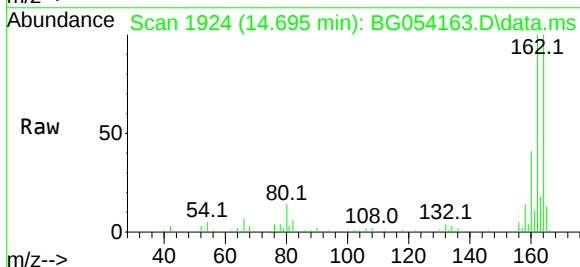
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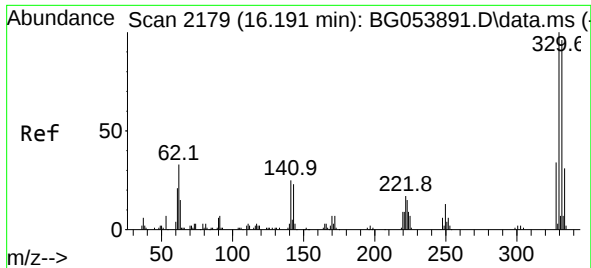
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.695 min Scan# 1924
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50

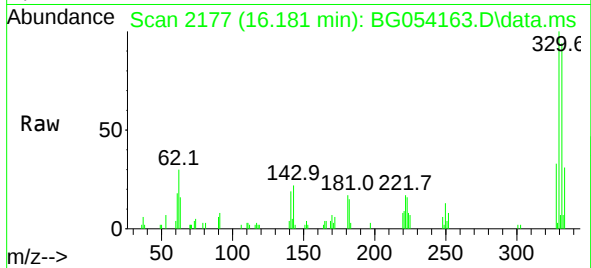
Tgt Ion:164 Resp: 79354
Ion Ratio Lower Upper
164 100
162 99.7 82.3 123.5
160 41.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 12.591 ng
RT: 16.181 min Scan# 2179
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50

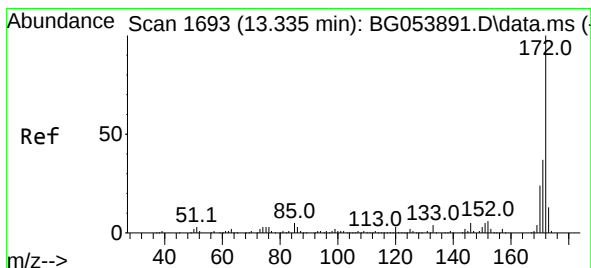
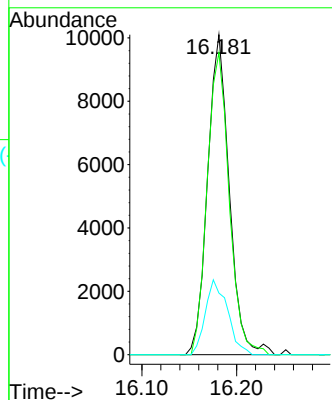
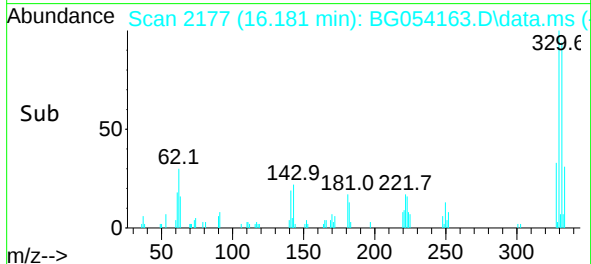
Instrument :
BNA_G
ClientSampleId :
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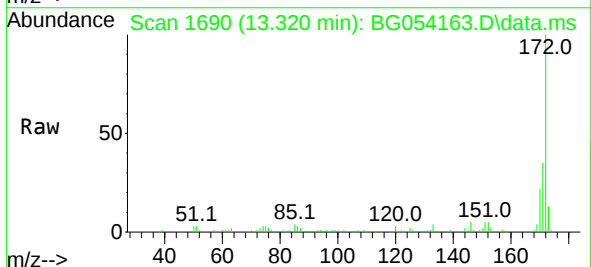
Tgt Ion:330 Resp: 1605
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 24.0 27.1 40.7

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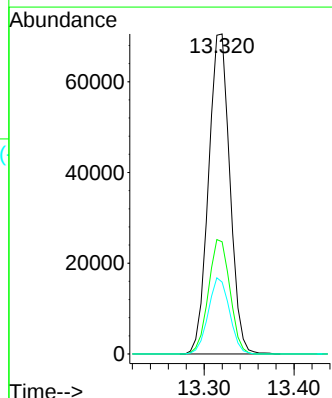
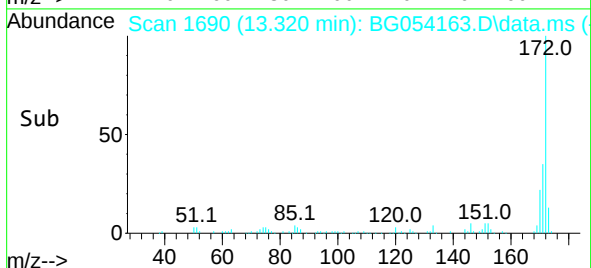
Reviewed By :Christian Giraldo 06/30/2022
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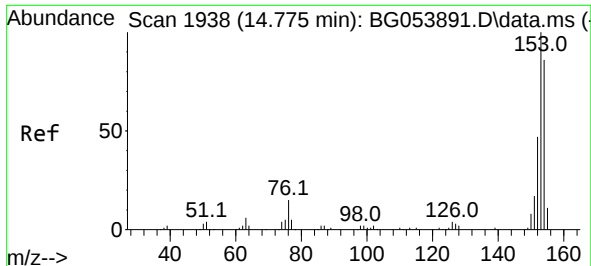


#45
2-Fluorobiphenyl
Concen: 21.303 ng
RT: 13.320 min Scan# 1690
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50



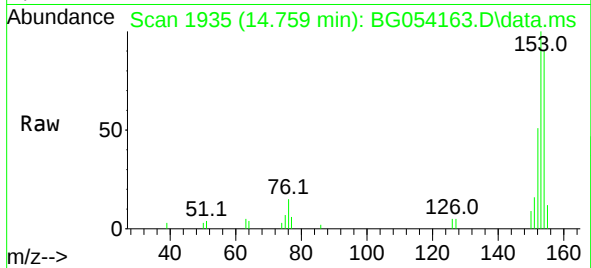
Tgt Ion:172 Resp: 116252
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.5 18.9 28.3





#52
Acenaphthene
Concen: 2.631 ng
RT: 14.759 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50

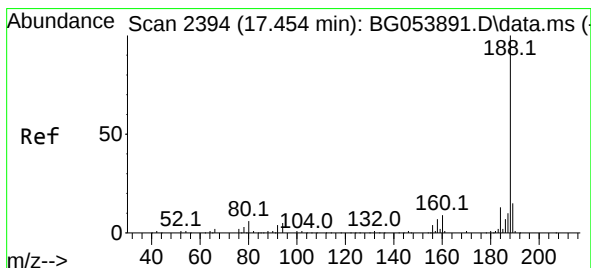
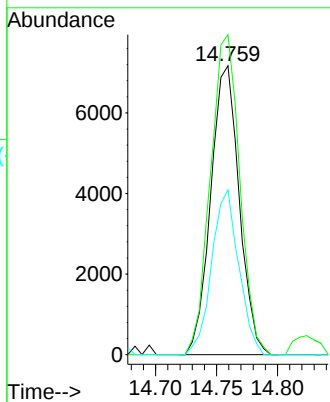
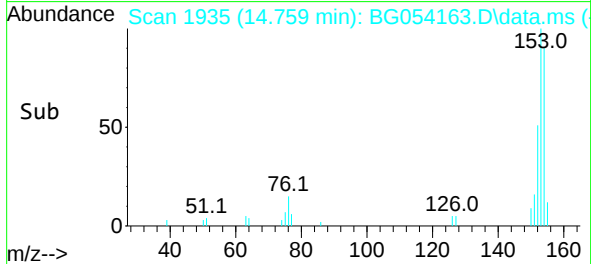
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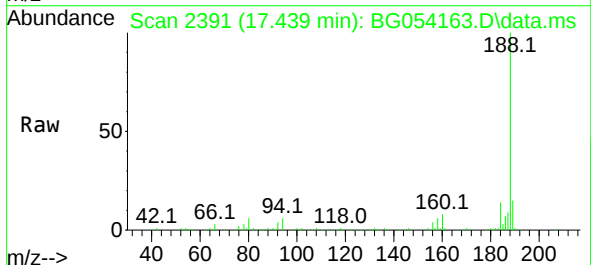
Tgt Ion:154 Resp: 11660
Ion Ratio Lower Upper
154 100
153 110.8 92.7 139.1
152 57.0 42.6 64.0

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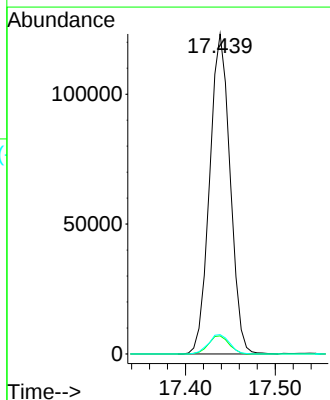
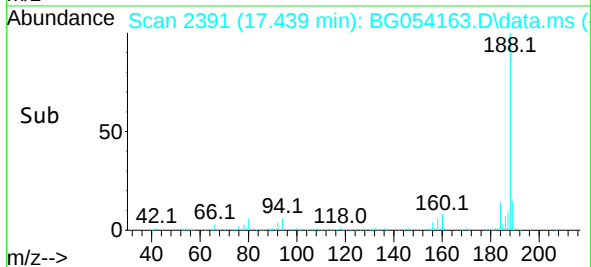
Reviewed By :Christian Giraldo 06/30/2022
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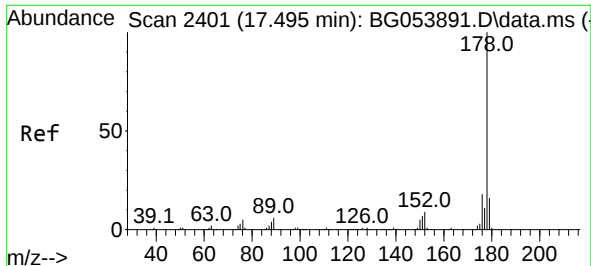


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.439 min Scan# 2391
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50



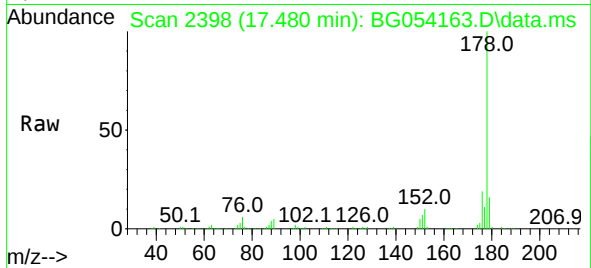
Tgt Ion:188 Resp: 195362
Ion Ratio Lower Upper
188 100
94 5.7 5.4 8.0
80 6.1 6.8 10.2





#71
Phenanthrene
Concen: 18.420 ng
RT: 17.480 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50

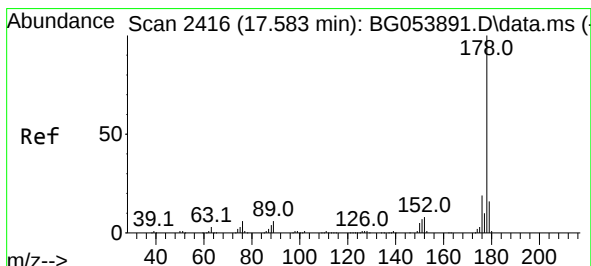
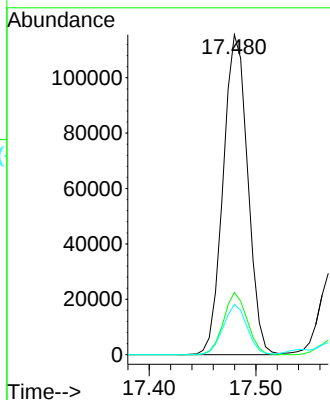
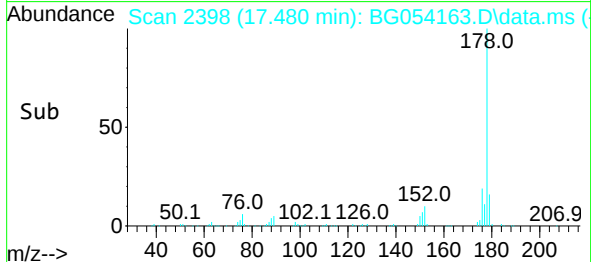
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Tgt Ion:178 Resp: 18488
Ion Ratio Lower Upper
178 100
176 19.4 14.1 21.1
179 15.7 12.1 18.1

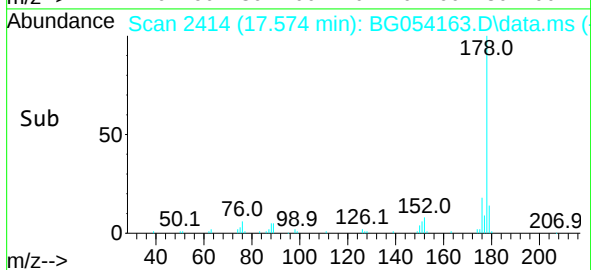
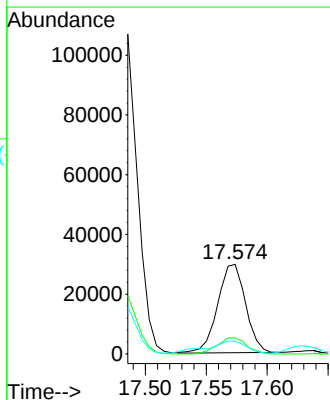
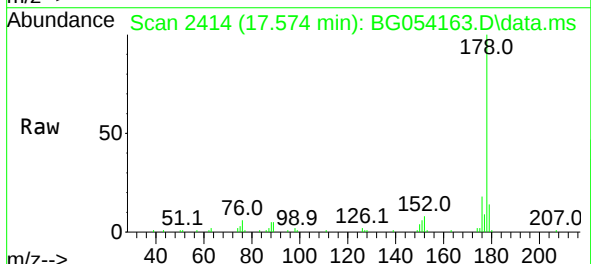
Manual Integrations
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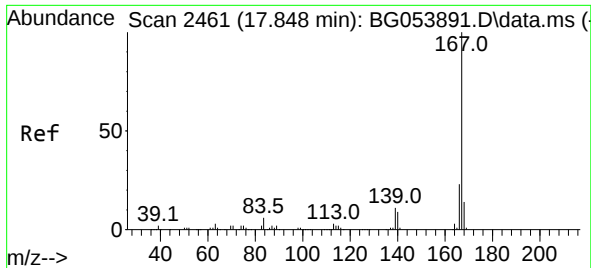
Reviewed By :Christian Giraldo 06/30/2022
Supervised By :Jagrut Upadhyay 07/01/2022



#72
Anthracene
Concen: 4.820 ng
RT: 17.574 min Scan# 2414
Delta R.T. -0.003 min
Lab File: BG054163.D
Acq: 30 Jun 2022 2:50

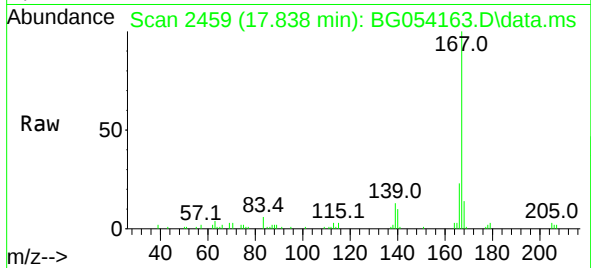
Tgt Ion:178 Resp: 47248
Ion Ratio Lower Upper
178 100
176 18.1 15.2 22.8
179 14.0 13.0 19.4





#73
 Carbazole
 Concen: 3.076 ng
 RT: 17.838 min Scan# 2461
 Delta R.T. -0.003 min
 Lab File: BG054163.D
 Acq: 30 Jun 2022 2:50

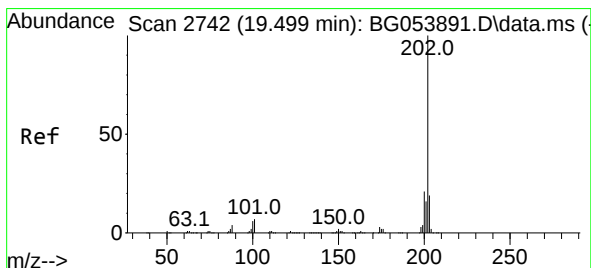
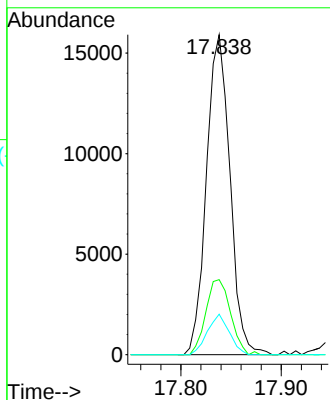
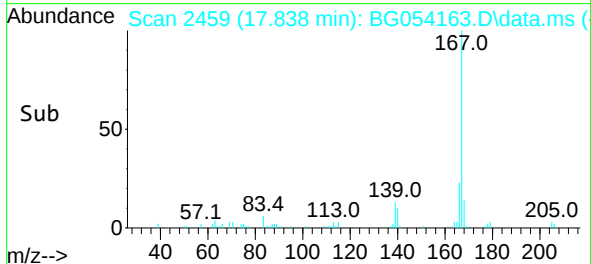
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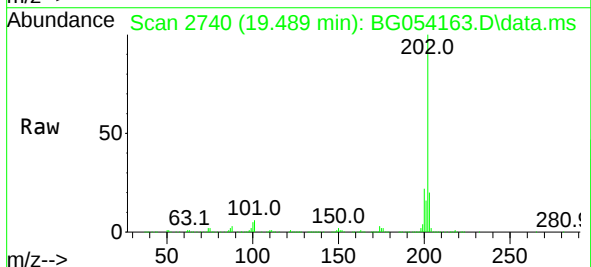
Tgt Ion:167 Resp: 25878
 Ion Ratio Lower Upper
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 166 23.4 18.2 27.2
 139 12.6 10.1 15.1

Manual Integrations
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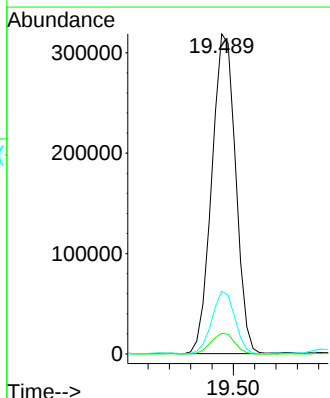
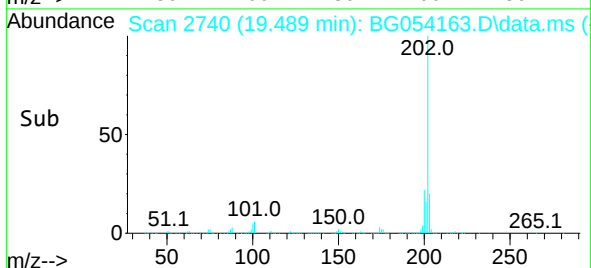
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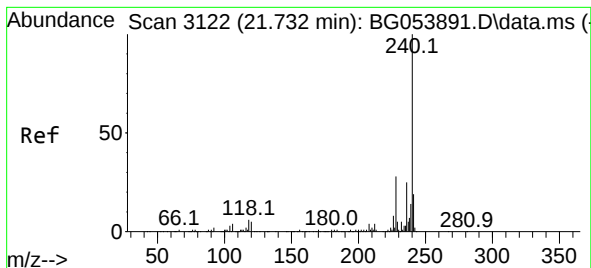


#75
 Fluoranthene
 Concen: 37.456 ng
 RT: 19.489 min Scan# 2740
 Delta R.T. -0.003 min
 Lab File: BG054163.D
 Acq: 30 Jun 2022 2:50



Tgt Ion:202 Resp: 493526
 Ion Ratio Lower Upper
 202 100
 101 6.5 0.0 26.9
 203 19.6 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.716 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG054163.D

Acq: 30 Jun 2022 2:50

Instrument :

BNA_G

ClientSampleId :

SB-11-0-2-20220623DL

Tgt Ion:240 Resp: 206258

Ion Ratio Lower Upper

240 100

120 5.0 4.6 7.0

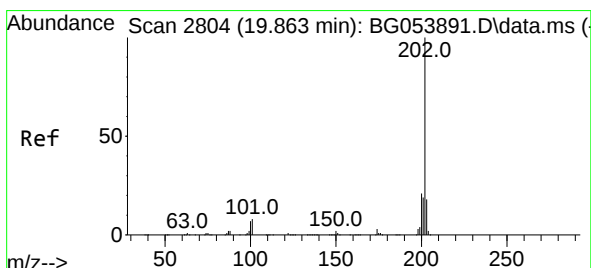
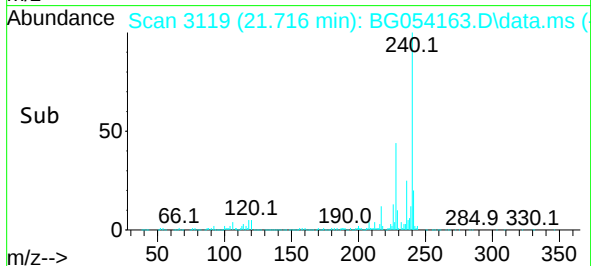
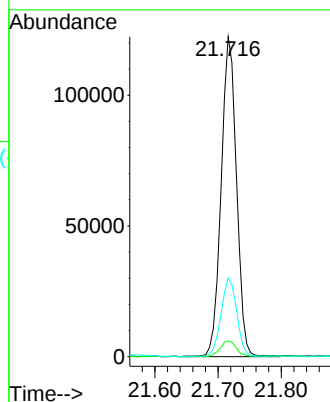
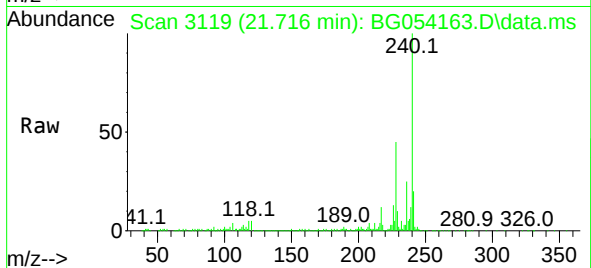
236 24.7 20.2 30.4

Manual Integrations

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Reviewed By :Christian Giraldo 06/30/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#78

Pyrene

Concen: 37.746 ng

RT: 19.853 min Scan# 2802

Delta R.T. 0.003 min

Lab File: BG054163.D

Acq: 30 Jun 2022 2:50

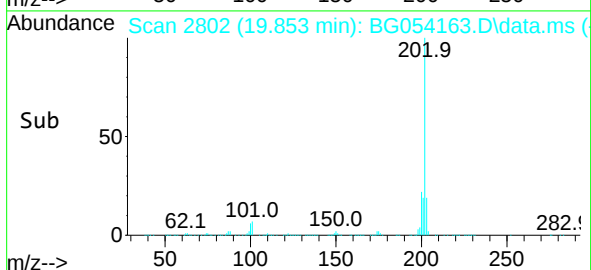
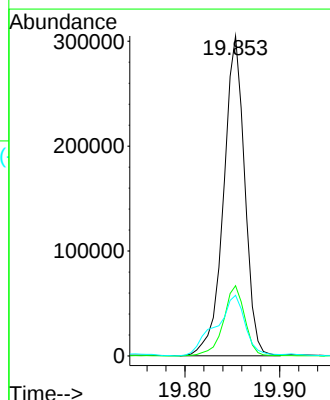
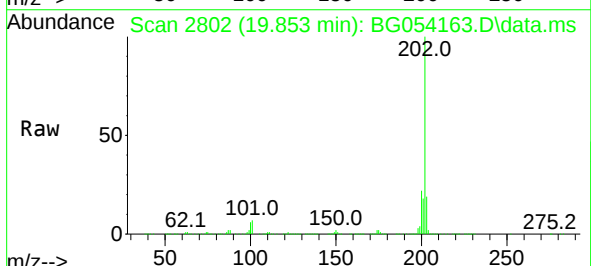
Tgt Ion:202 Resp: 470215

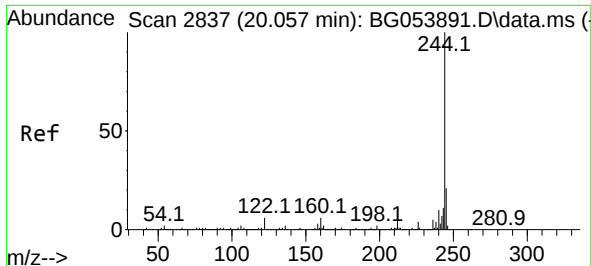
Ion Ratio Lower Upper

202 100

200 21.9 16.6 24.8

203 19.0 14.6 21.8





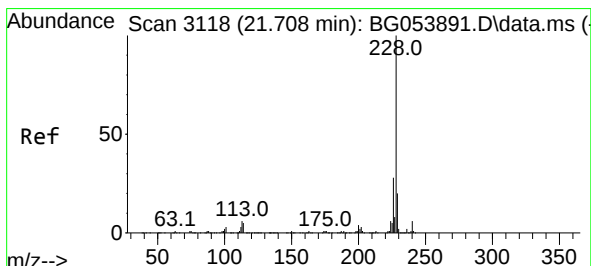
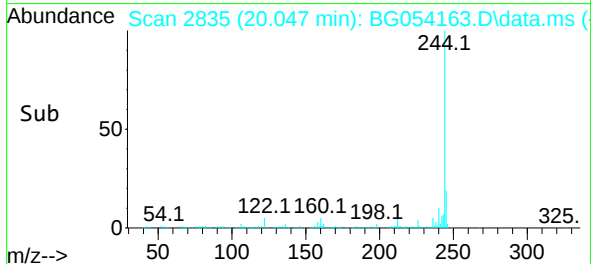
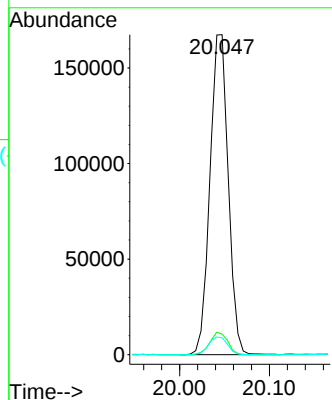
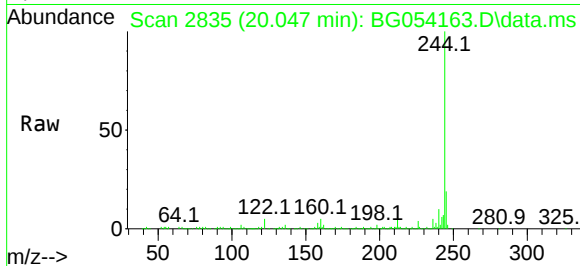
#79
 Terphenyl-d14
 Concen: 23.112 ng
 RT: 20.047 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BG054163.D
 Acq: 30 Jun 2022 2:50

Instrument :
 BNA_G
 ClientSampleId :
 SB-11-0-2-20220623DL

Tgt Ion:244 Resp: 236680
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.5 9.7
 122 5.3 5.0 7.4

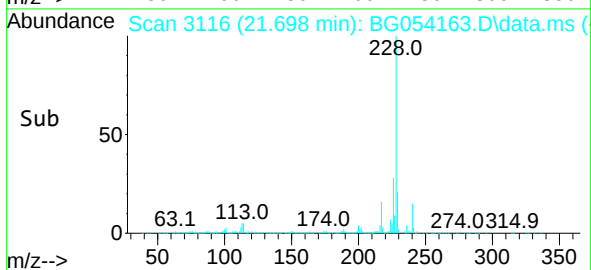
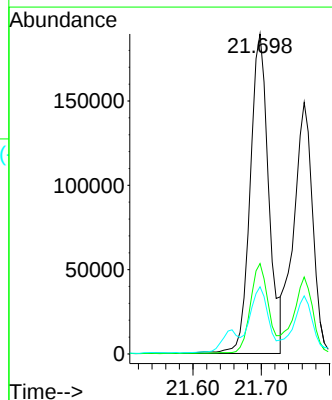
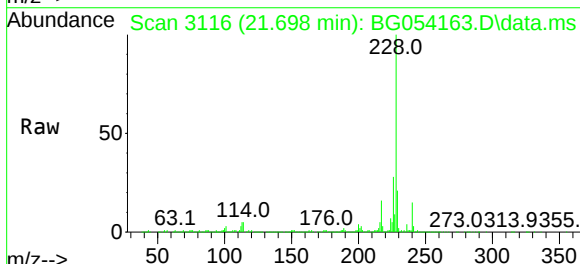
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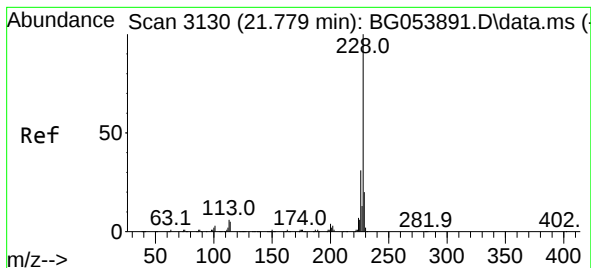
Reviewed By :Christian Giraldo 06/30/2022
 Supervised By :Jagrut Upadhyay 07/01/2022



#81
 Benzo(a)anthracene
 Concen: 26.677 ng
 RT: 21.698 min Scan# 3116
 Delta R.T. 0.003 min
 Lab File: BG054163.D
 Acq: 30 Jun 2022 2:50

Tgt Ion:228 Resp: 356270
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.6 32.4
 229 21.0 16.2 24.2





#83

Chrysene

Concen: 22.601 ng

RT: 21.763 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG054163.D

Acq: 30 Jun 2022 2:50

Instrument :

BNA_G

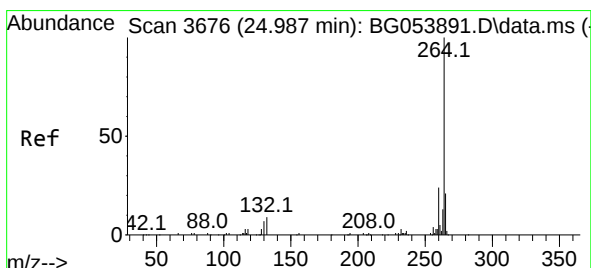
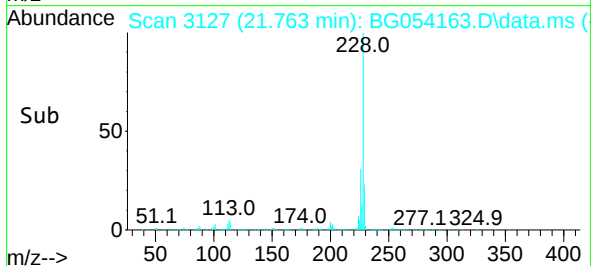
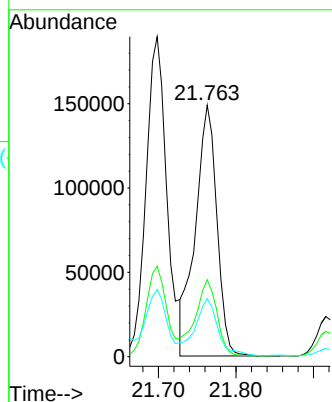
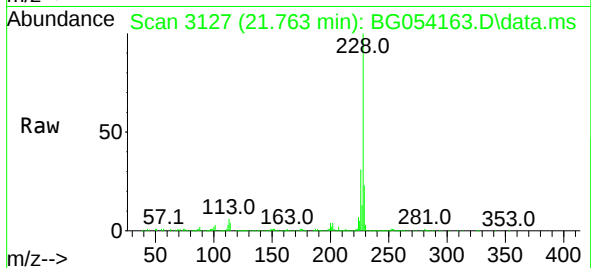
ClientSampleId :

SB-11-0-2-20220623DL

Tgt Ion:228 Resp: 28770
 Ion Ratio Lower Upper
 228 100
 226 30.6 23.4 35.2
 229 23.1 15.5 23.3

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



#86

Perylene-d12

Concen: 20.000 ng

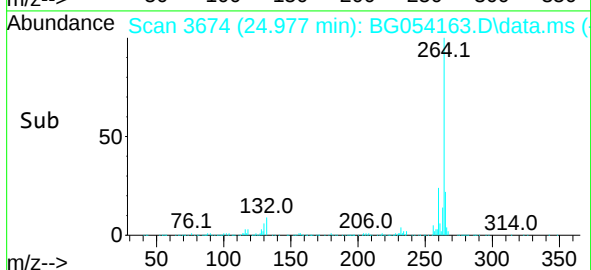
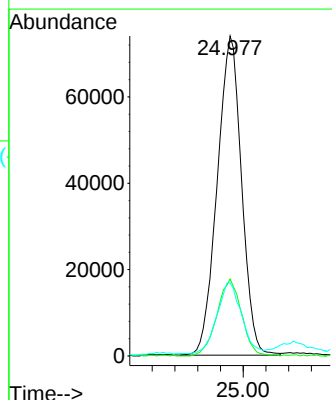
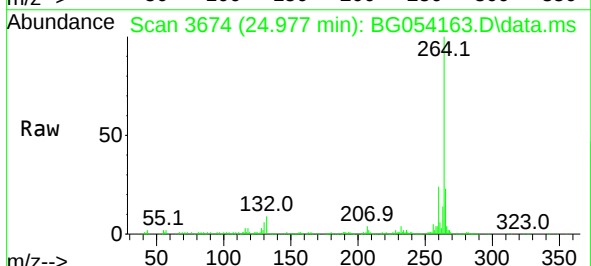
RT: 24.977 min Scan# 3674

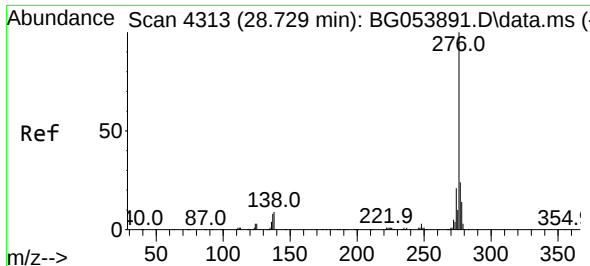
Delta R.T. 0.014 min

Lab File: BG054163.D

Acq: 30 Jun 2022 2:50

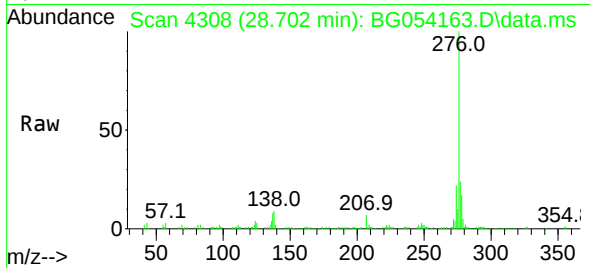
Tgt Ion:264 Resp: 219604
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 22.8 17.4 26.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.734 ng
 RT: 28.702 min Scan# 41
 Delta R.T. 0.014 min
 Lab File: BG054163.D
 Acq: 30 Jun 2022 2:50

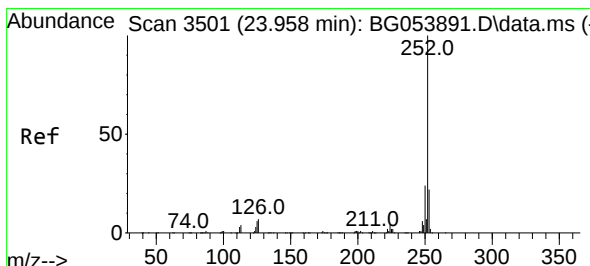
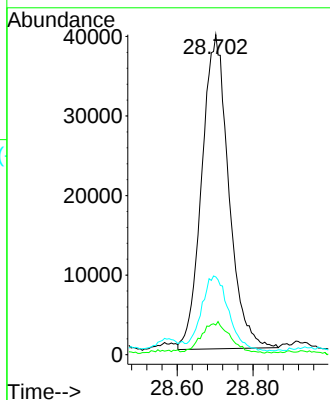
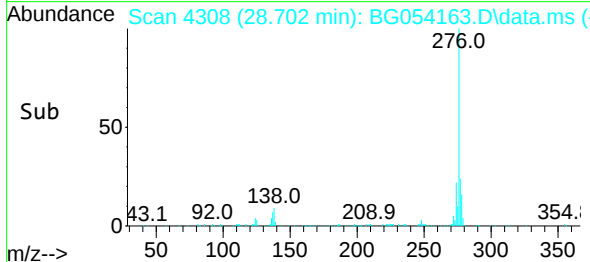
Instrument :
 BNA_G
 ClientSampleId :
 SB-11-0-2-20220623DL



Tgt Ion:276 Resp: 194464
 Ion Ratio Lower Upper
 276 100
 138 10.5 5.0 7.4
 277 24.1 20.3 30.5

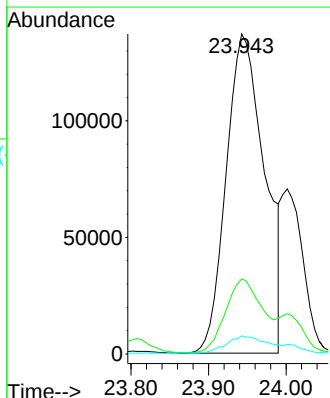
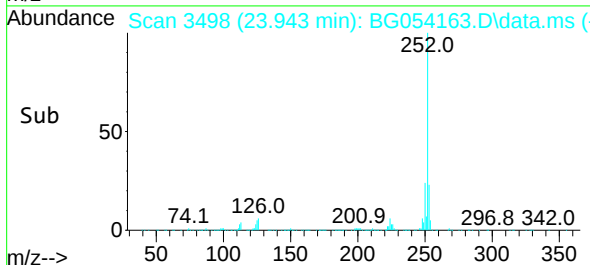
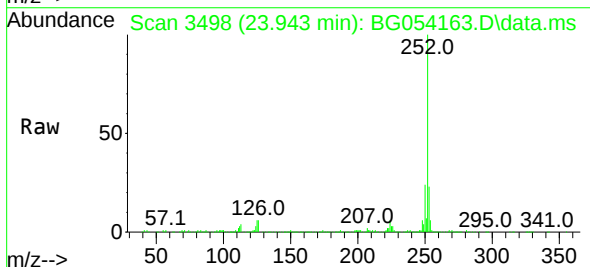
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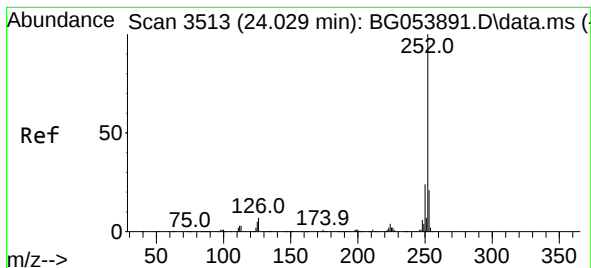
Reviewed By :Christian Giraldo 06/30/2022
 Supervised By :Jagrut Upadhyay 07/01/2022



#88
 Benzo(b)fluoranthene
 Concen: 35.437 ng
 RT: 23.943 min Scan# 3498
 Delta R.T. 0.009 min
 Lab File: BG054163.D
 Acq: 30 Jun 2022 2:50

Tgt Ion:252 Resp: 473172
 Ion Ratio Lower Upper
 252 100
 253 23.5 18.0 27.0
 125 5.6 4.6 6.8





#89

Benzo(k)fluoranthene

Concen: 10.359 ng m

RT: 24.001 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG054163.D

Acq: 30 Jun 2022 2:50

Instrument :

BNA_G

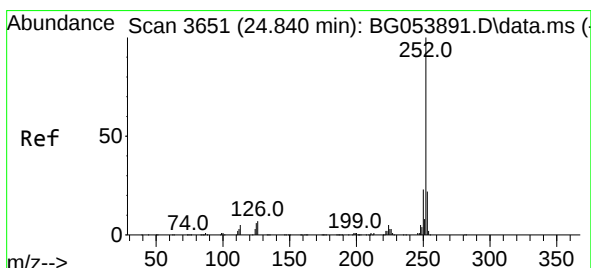
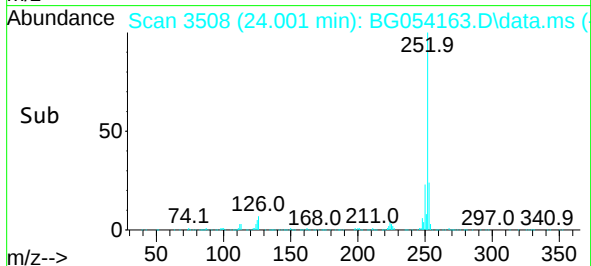
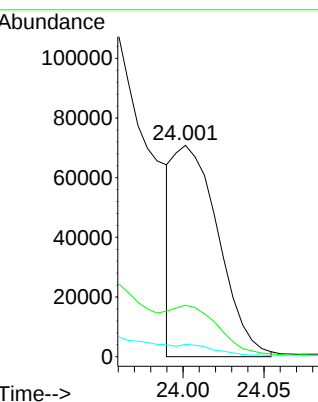
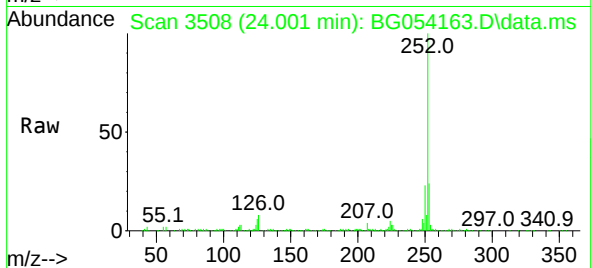
ClientSampleId :

SB-11-0-2-20220623DL

Tgt Ion:252 Resp: 13694
 Ion Ratio Lower Upper
 252 100
 253 24.4 18.4 27.6
 125 5.8 4.8 7.2

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



#90

Benzo(a)pyrene

Concen: 27.234 ng

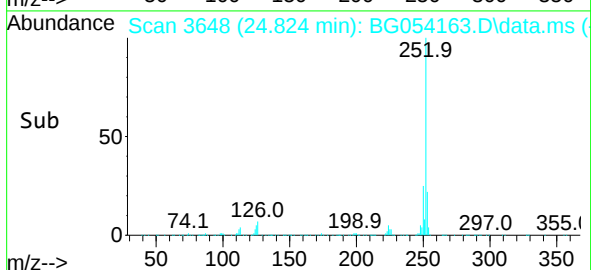
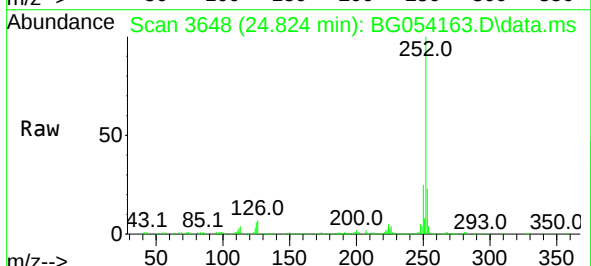
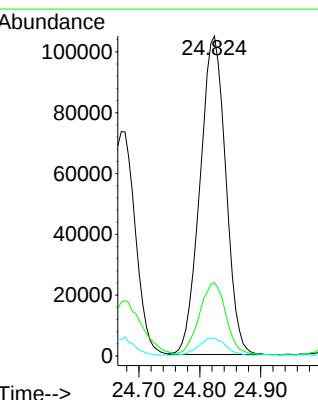
RT: 24.824 min Scan# 3648

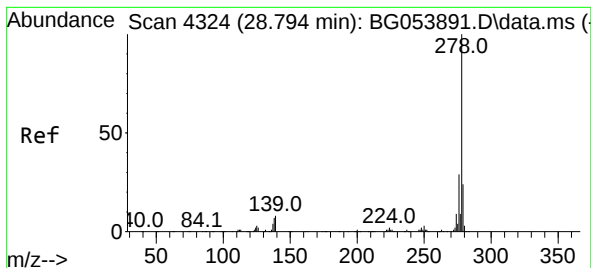
Delta R.T. 0.009 min

Lab File: BG054163.D

Acq: 30 Jun 2022 2:50

Tgt Ion:252 Resp: 306810
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.8
 125 5.6 4.3 6.5





#91

Dibenzo(a,h)anthracene

Concen: 3.924 ng m

RT: 28.737 min Scan# 41

Delta R.T. -0.009 min

Lab File: BG054163.D

Acq: 30 Jun 2022 2:50

Instrument :

BNA_G

ClientSampleId :

SB-11-0-2-20220623DL

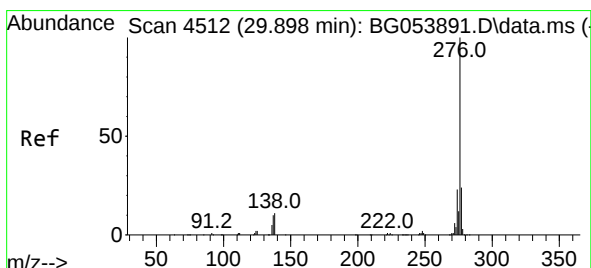
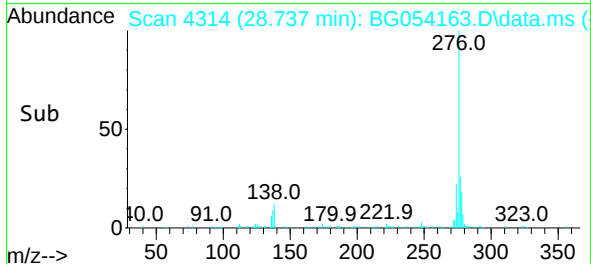
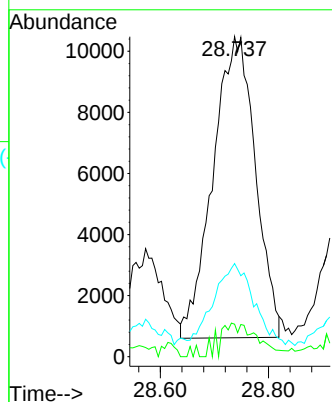
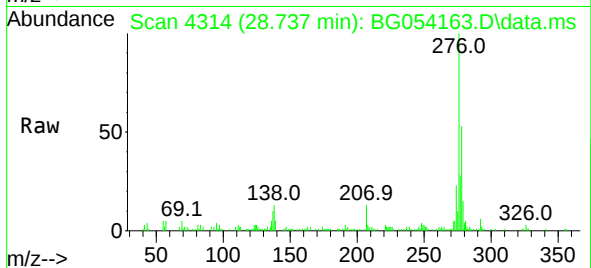
Tgt Ion:278 Resp: 53775
 Ion Ratio Lower Upper
 278 100
 139 10.2 7.2 10.8
 279 29.1 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/30/2022

Supervised By :Jagrut Upadhyay 07/01/2022



#92

Benzo(g,h,i)perylene

Concen: 13.594 ng

RT: 29.865 min Scan# 4506

Delta R.T. 0.003 min

Lab File: BG054163.D

Acq: 30 Jun 2022 2:50

Tgt Ion:276 Resp: 183851
 Ion Ratio Lower Upper
 276 100
 277 25.6 17.3 25.9
 138 10.3 9.6 14.4

