

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011824\
 Data File : BG060359.D
 Acq On : 18 Jan 2024 19:32
 Operator : MA/JU
 Sample : P1169-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-B-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2024
 Supervised By :mohammad ahmed 01/24/2024

Quant Time: Jan 19 00:25:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	283481	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	1137604	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	818190	20.000	ng	0.00
64) Phenanthrene-d10	17.312	188	1915827	20.000	ng	0.00
76) Chrysene-d12	21.578	240	1632658	20.000	ng	0.00
86) Perylene-d12	24.745	264	1891980	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	1336504	77.545	ng	0.00
7) Phenol-d6	7.095	99	2038486	79.874	ng	0.00
23) Nitrobenzene-d5	9.086	82	1374769	57.064	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	1007890	83.726	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	3233037	54.938	ng	0.00
79) Terphenyl-d14	19.933	244	4339857	59.959	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.627	154	153590	3.385	ng	97
58) Fluorene	15.614	166	204653	3.263	ng	97
71) Phenanthrene	17.359	178	4698969	50.743	ng	95
72) Anthracene	17.447	178	1111041m	12.017	ng	
73) Carbazole	17.718	167	346545	3.976	ng	95
75) Fluoranthene	19.374	202	6306282	56.699	ng	79
78) Pyrene	19.739	202	6524454	62.578	ng	# 82
81) Benzo(a)anthracene	21.560	228	4251006	42.058	ng	100
83) Chrysene	21.625	228	3921621	39.450	ng	97
87) Indeno(1,2,3-cd)pyrene	28.346	276	1992649	15.147	ng	# 92
88) Benzo(b)fluoranthene	23.746	252	4732757	42.344	ng	98
89) Benzo(k)fluoranthene	23.804	252	1864055m	16.901	ng	
90) Benzo(a)pyrene	24.598	252	3739790	37.039	ng	98
91) Dibenzo(a,h)anthracene	28.399	278	476412m	4.434	ng	
92) Benzo(g,h,i)perylene	29.480	276	1901997	17.274	ng	97

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

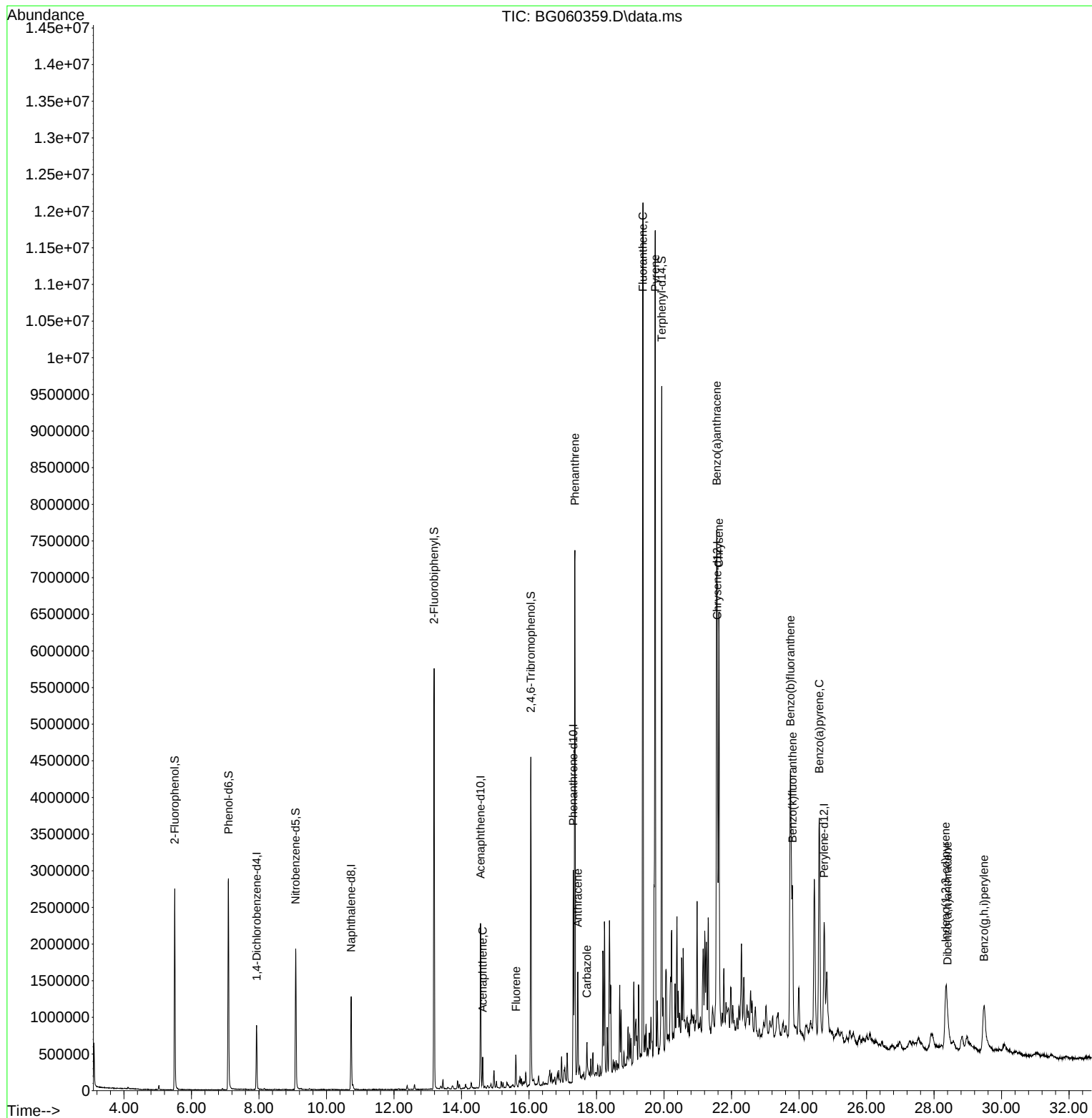
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Acq On : 18 Jan 2024 19:32
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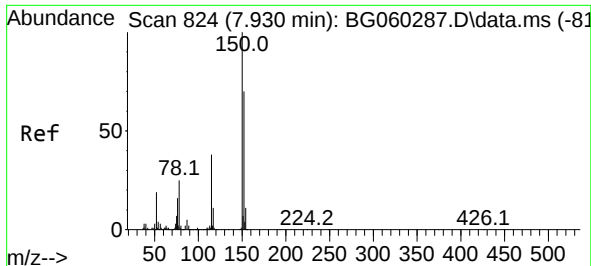
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
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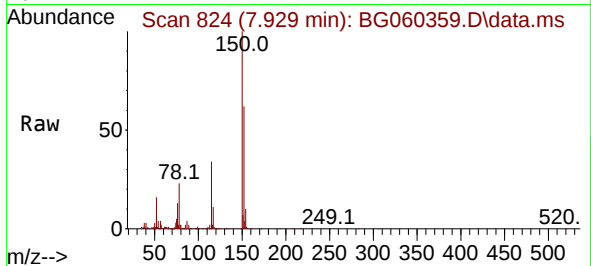
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

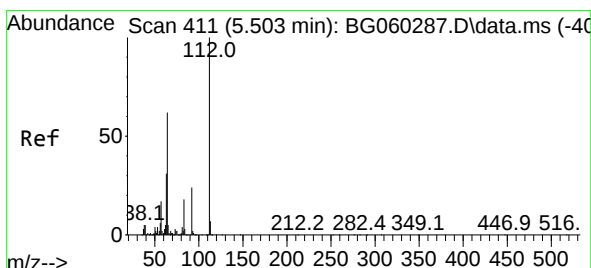
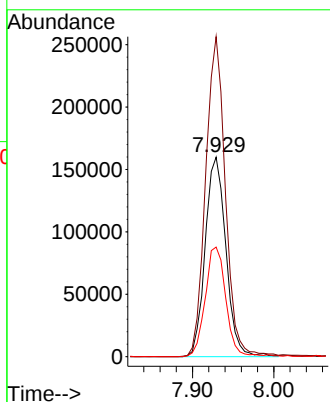
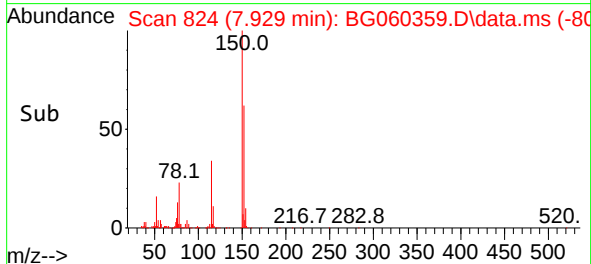
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP



Tgt Ion:152 Resp: 28348
Ion Ratio Lower Upper
152 100
150 160.4 114.5 171.7
115 54.9 43.0 64.6

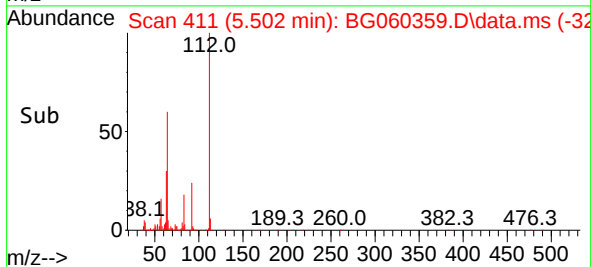
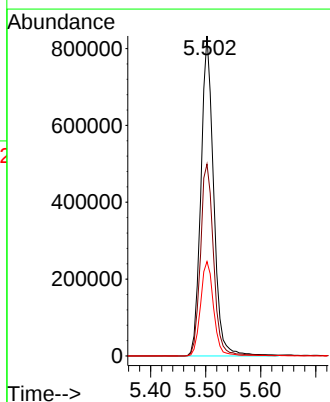
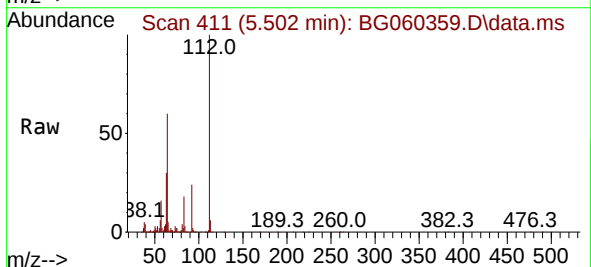
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#5
2-Fluorophenol
Concen: 77.545 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

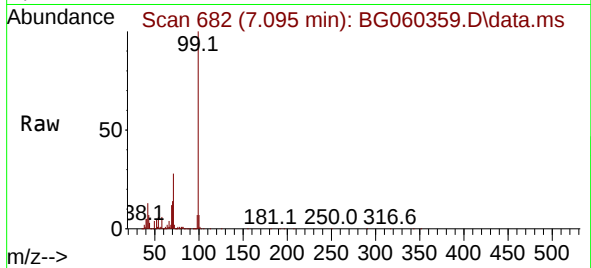
Tgt Ion:112 Resp: 1336504
Ion Ratio Lower Upper
112 100
64 59.9 49.8 74.6
63 29.5 24.4 36.6





#7
Phenol-d6
Concen: 79.874 ng
RT: 7.095 min Scan# 682
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

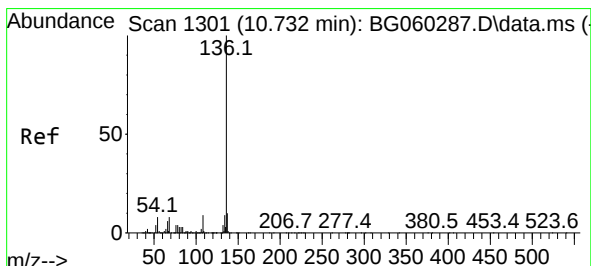
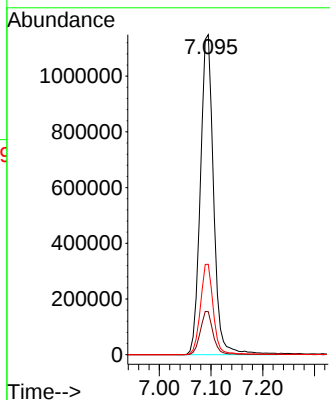
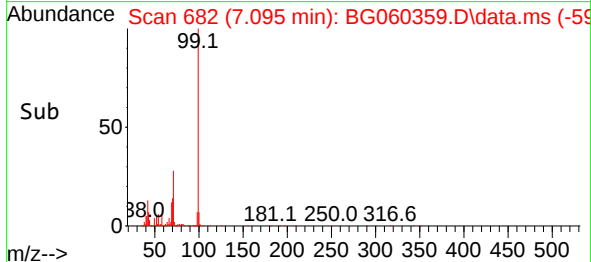
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP



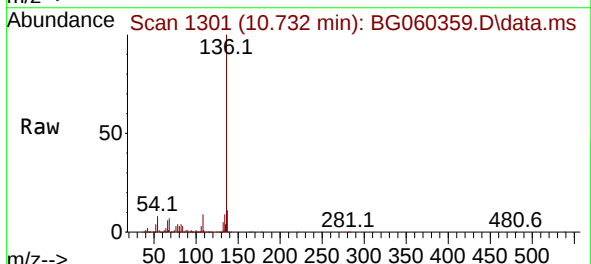
Tgt Ion: 99 Resp: 203848
Ion Ratio Lower Upper
99 100
42 13.5 10.9 16.3
71 28.3 21.5 32.3

Manual Integrations
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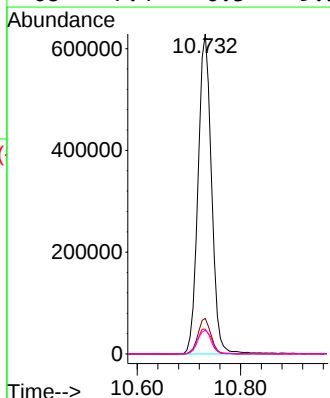
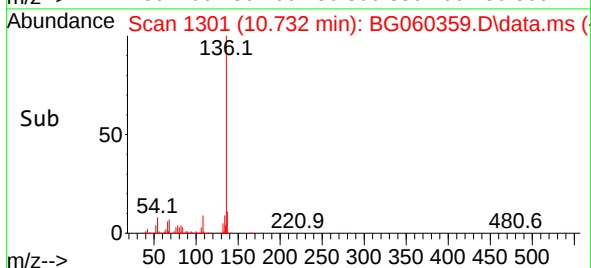
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

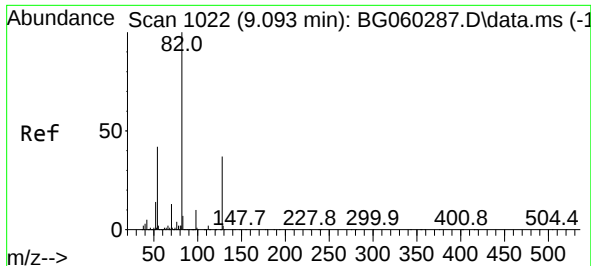


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32



Tgt Ion:136 Resp: 1137604
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 7.8 6.2 9.2
68 7.4 6.3 9.5





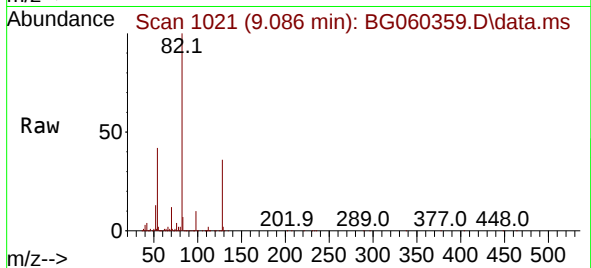
#23
Nitrobenzene-d5
Concen: 57.064 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

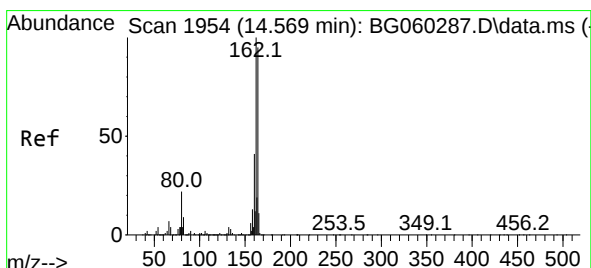
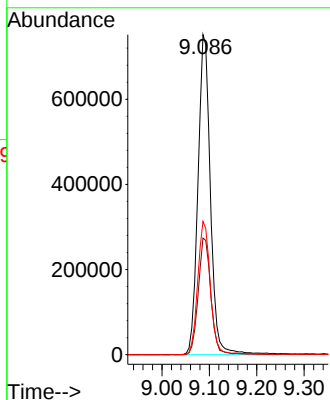
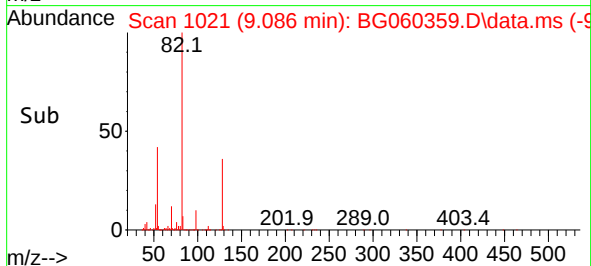


Tgt Ion: 82 Resp: 1374769
Ion Ratio Lower Upper
82 100
128 36.4 29.6 44.4
54 41.7 33.6 50.4

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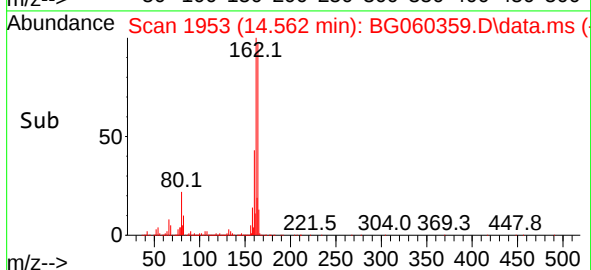
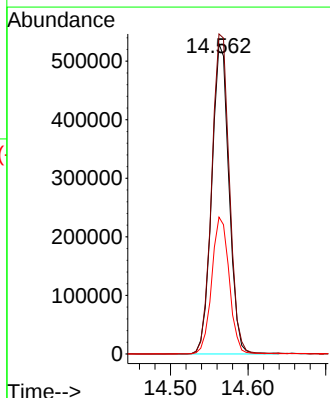
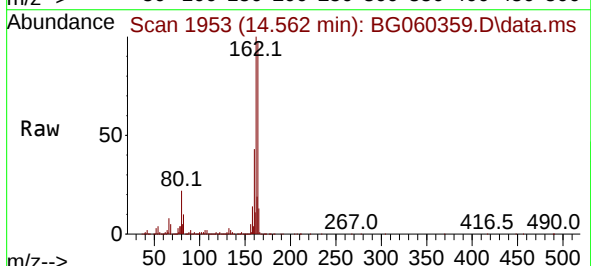
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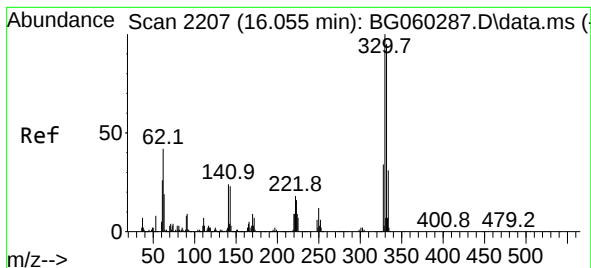
Reviewed By :Jagrut Upadhyay 01/23/2024
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:164 Resp: 818190
Ion Ratio Lower Upper
164 100
162 103.2 84.4 126.6
160 44.1 34.6 52.0





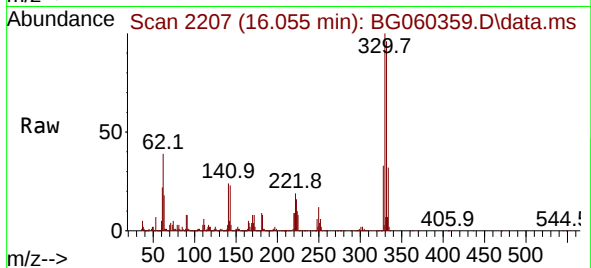
#42
2,4,6-Tribromophenol
Concen: 83.726 ng
RT: 16.055 min Scan# 2207
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

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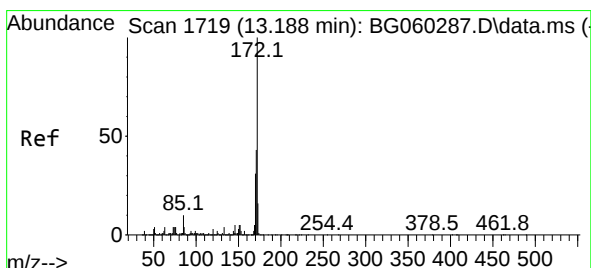
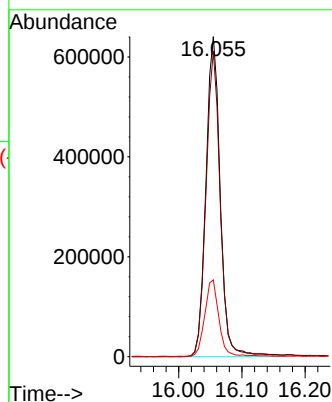
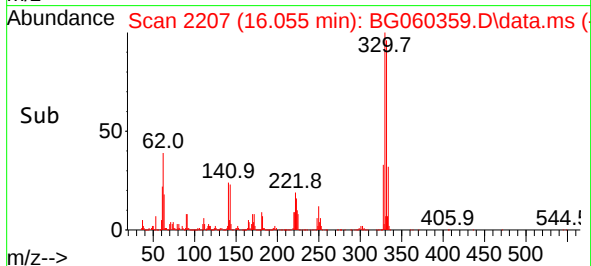


Tgt Ion:330 Resp: 1007890
Ion Ratio Lower Upper
330 100
332 94.9 76.7 115.1
141 23.4 18.6 28.0

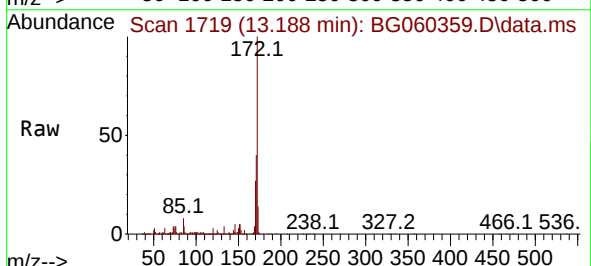
Manual Integrations

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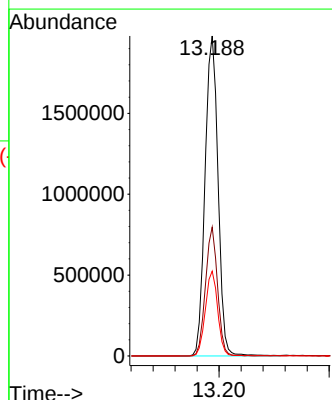
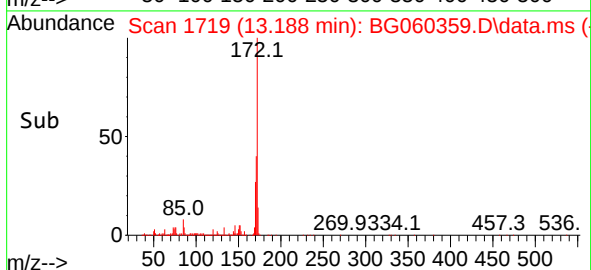
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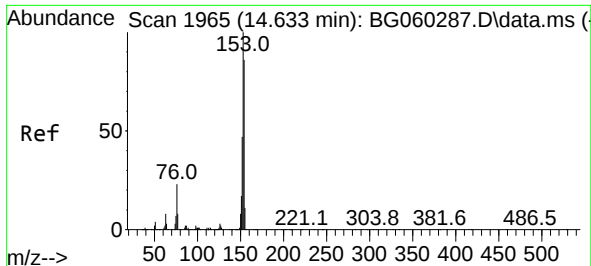


#45
2-Fluorobiphenyl
Concen: 54.938 ng
RT: 13.188 min Scan# 1719
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32



Tgt Ion:172 Resp: 3233037
Ion Ratio Lower Upper
172 100
171 40.3 34.6 51.8
170 26.5 24.4 36.6





#52
Acenaphthene
Concen: 3.385 ng
RT: 14.627 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

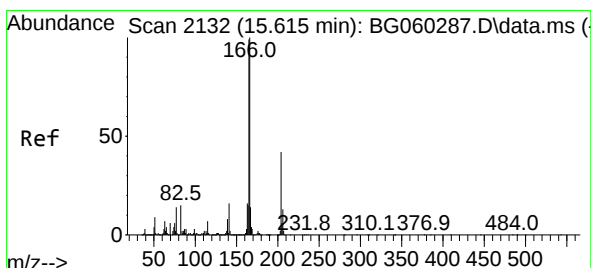
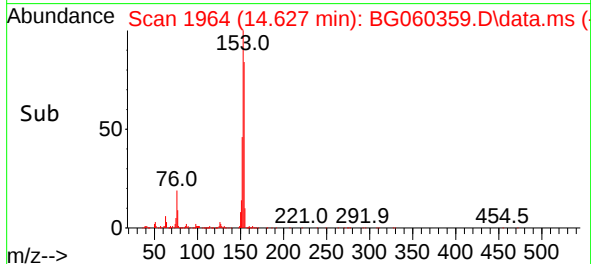
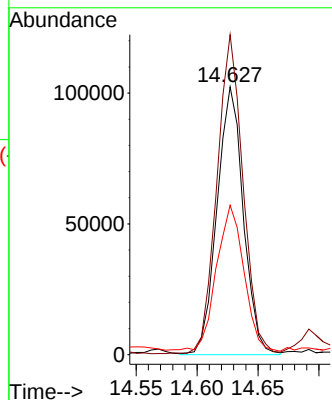
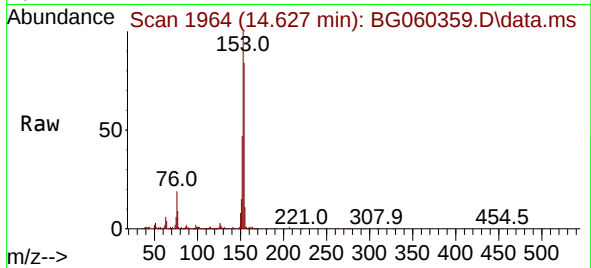
ClientSampleId :

WC-B-COMP

Tgt Ion:154 Resp: 153590
Ion Ratio Lower Upper
154 100
153 119.5 92.6 138.8
152 55.8 43.8 65.8

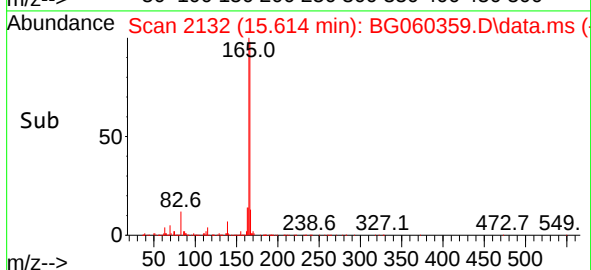
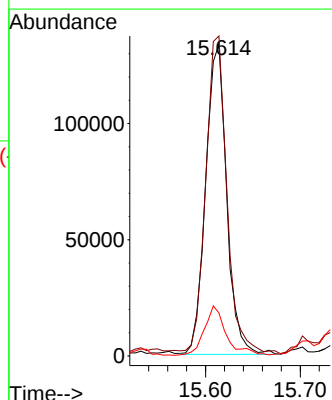
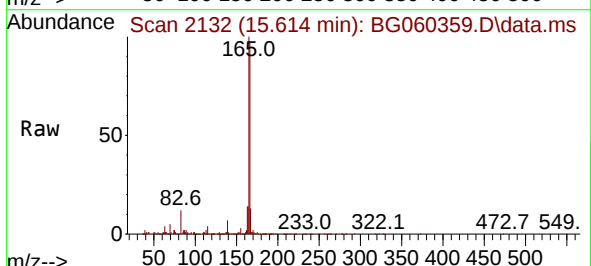
Manual Integrations
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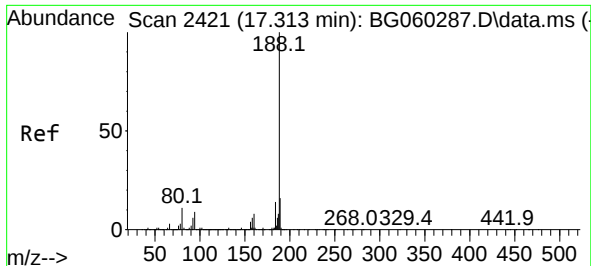
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#58
Fluorene
Concen: 3.263 ng
RT: 15.614 min Scan# 2132
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:166 Resp: 204653
Ion Ratio Lower Upper
166 100
165 102.6 79.0 118.6
167 13.8 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

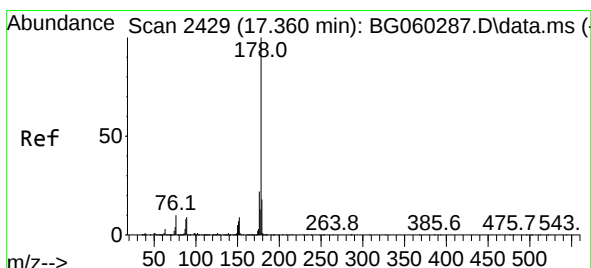
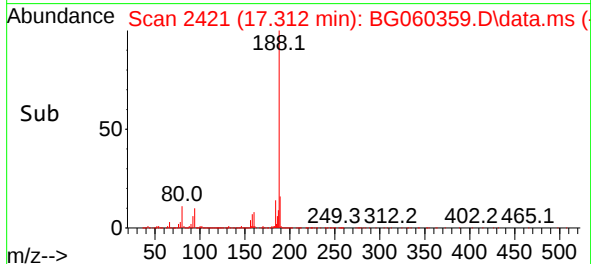
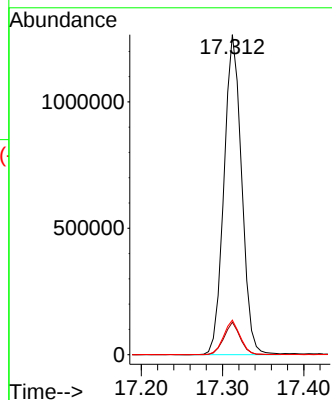
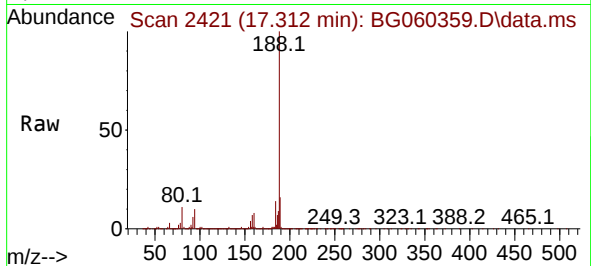
WC-B-COMP

Tgt Ion:188 Resp: 191582
Ion Ratio Lower Upper
188 100
94 10.1 7.1 10.7
80 10.8 8.5 12.7

Manual Integrations

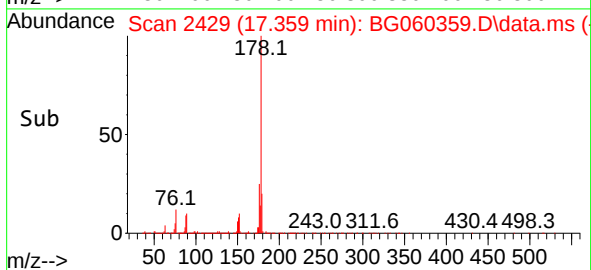
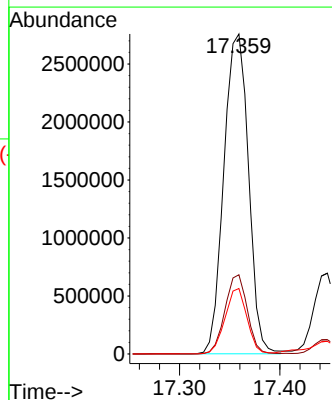
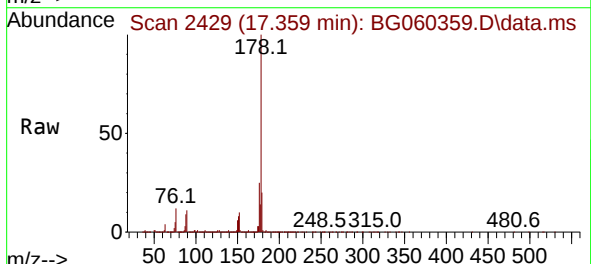
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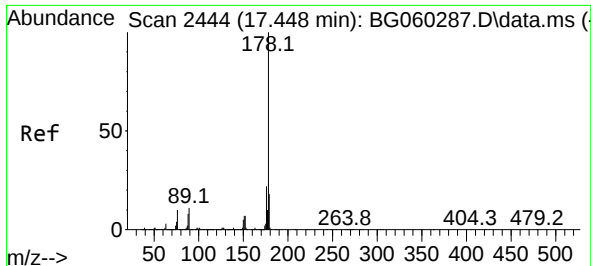
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#71
Phenanthrene
Concen: 50.743 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:178 Resp: 4698969
Ion Ratio Lower Upper
178 100
176 24.8 17.4 26.2
179 20.4 14.7 22.1





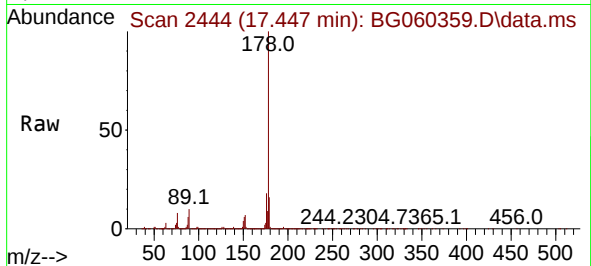
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 Anthracene
 Concen: 12.017 ng m
 RT: 17.447 min Scan# 2444
 Delta R.T. -0.001 min
 Lab File: BG060359.D
 Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

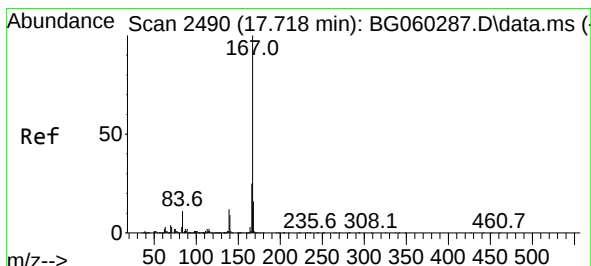
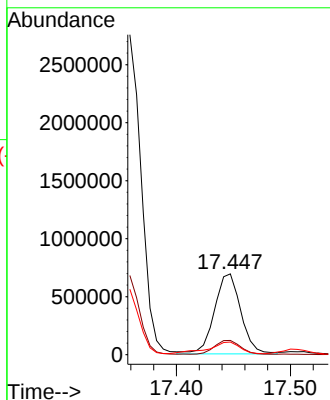
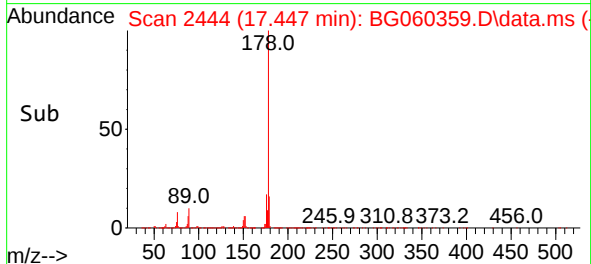


Tgt Ion:178 Resp: 111104
 Ion Ratio Lower Upper
 178 100
 176 17.5 17.8 26.6
 179 15.6 14.1 21.1

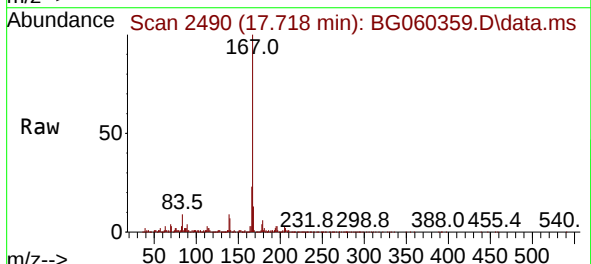
Manual Integrations

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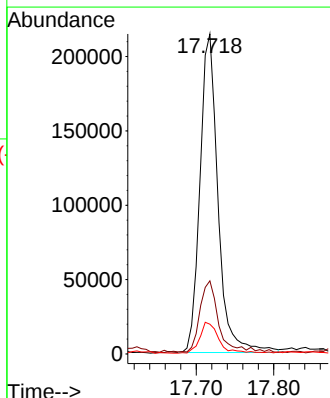
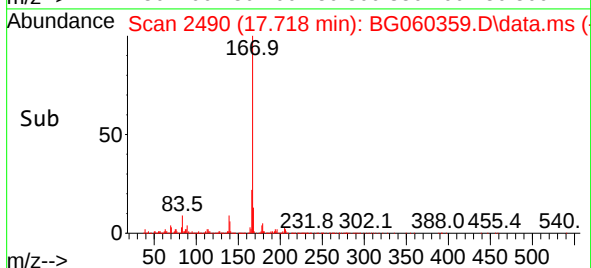
Reviewed By :Jagrut Upadhyay 01/23/2024
 Supervised By :mohammad ahmed 01/24/2024

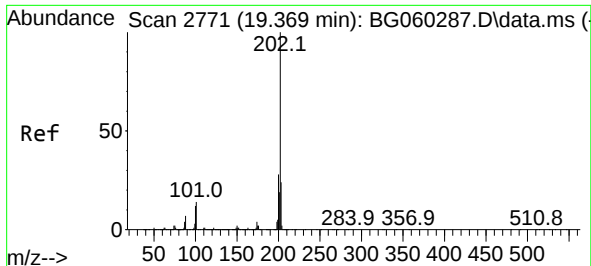


#73
 Carbazole
 Concen: 3.976 ng
 RT: 17.718 min Scan# 2490
 Delta R.T. -0.001 min
 Lab File: BG060359.D
 Acq: 18 Jan 2024 19:32



Tgt Ion:167 Resp: 346545
 Ion Ratio Lower Upper
 167 100
 166 22.9 19.8 29.8
 139 9.3 9.3 13.9





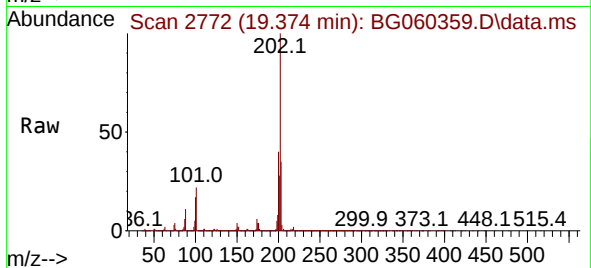
#75
Fluoranthene
Concen: 56.699 ng
RT: 19.374 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

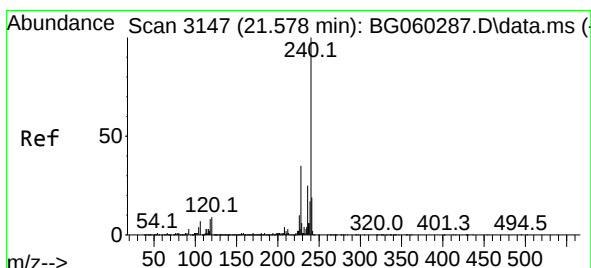
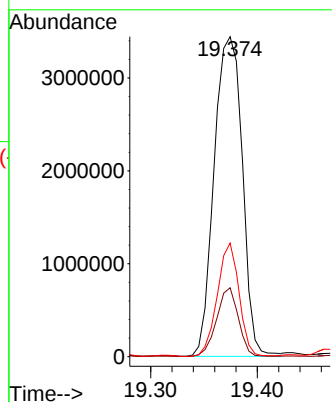
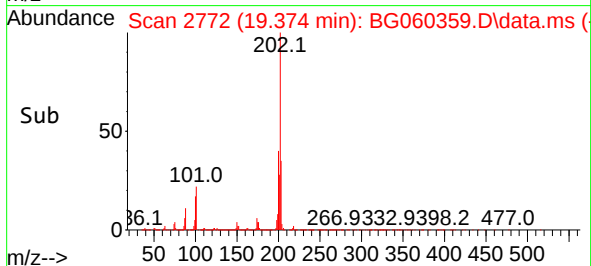


Tgt Ion:202 Resp: 630628
Ion Ratio Lower Upper
202 100
101 21.6 0.0 34.4
203 35.5 4.0 44.0

Manual Integrations

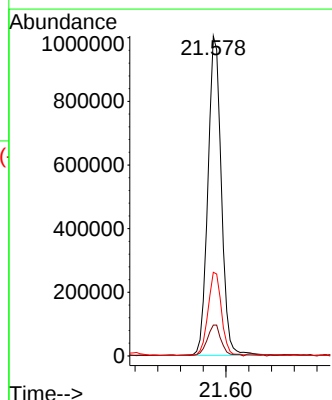
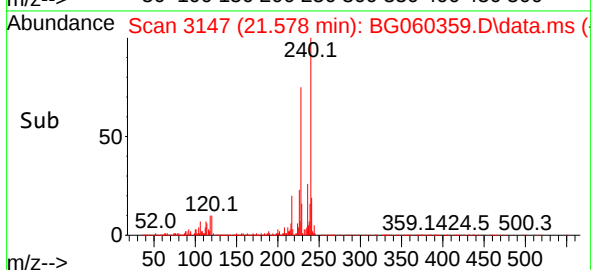
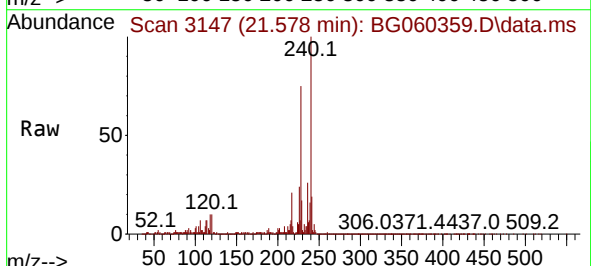
APPROVED

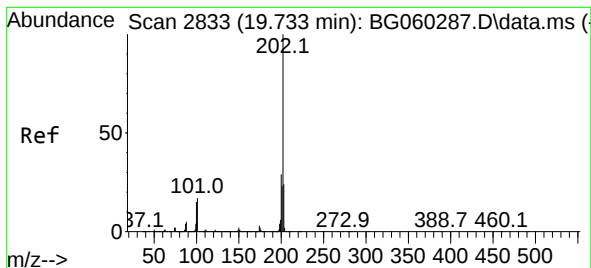
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3147
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:240 Resp: 1632658
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 26.1 20.3 30.5





#78

Pyrene

Concen: 62.578 ng

RT: 19.739 min Scan# 2833

Delta R.T. 0.005 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

Tgt Ion:202 Resp: 6524454

Ion Ratio Lower Upper

202 100

200 39.3 23.5 35.3#

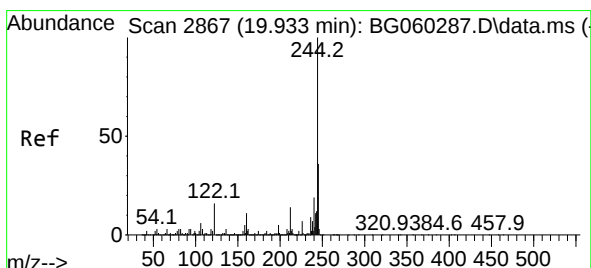
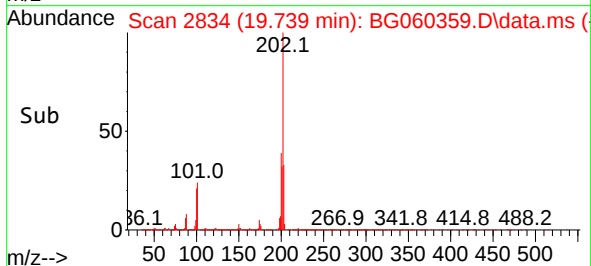
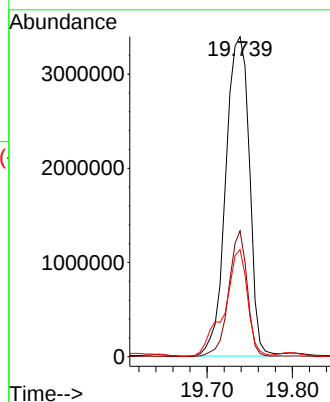
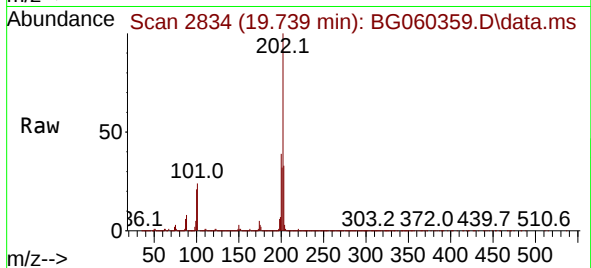
203 33.4 19.6 29.4#

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2024

Supervised By :mohammad ahmed 01/24/2024



#79

Terphenyl-d14

Concen: 59.959 ng

RT: 19.933 min Scan# 2867

Delta R.T. -0.000 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

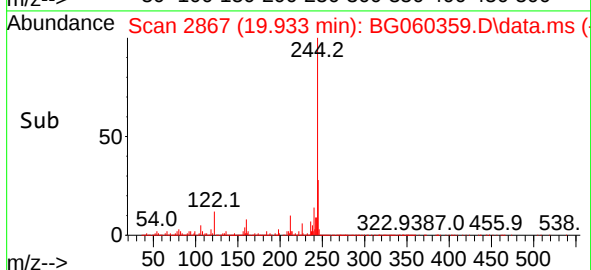
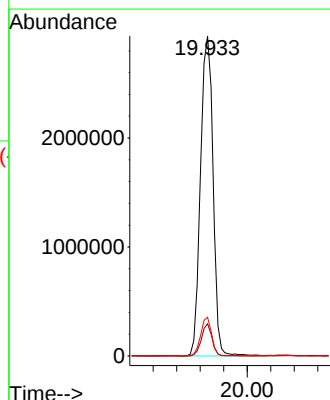
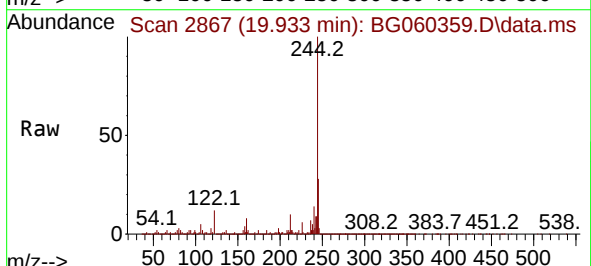
Tgt Ion:244 Resp: 4339857

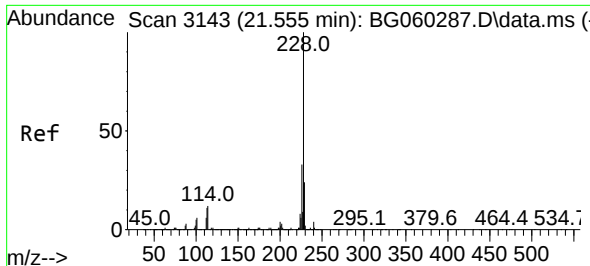
Ion Ratio Lower Upper

244 100

212 10.0 10.9 16.3#

122 12.1 12.6 18.8#





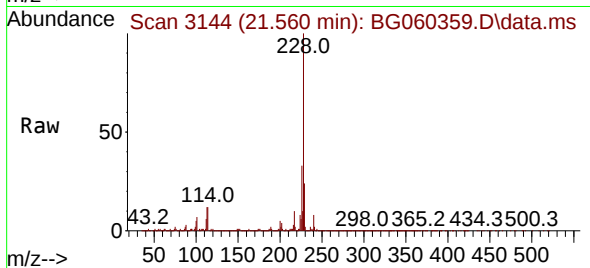
#81
Benzo(a)anthracene
Concen: 42.058 ng
RT: 21.560 min Scan# 3144
Delta R.T. 0.005 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

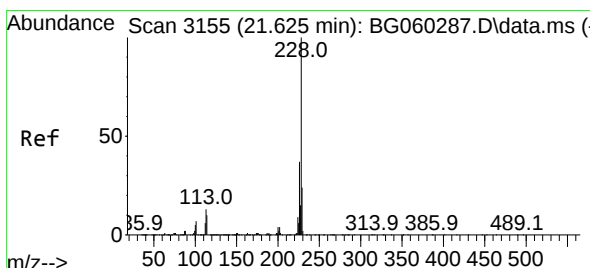
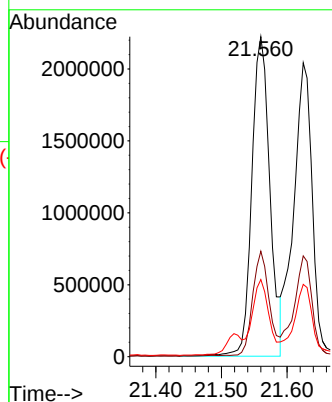
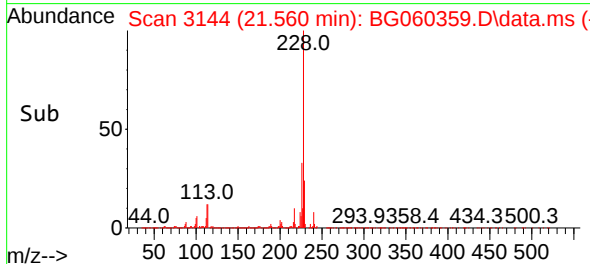


Tgt Ion:228 Resp: 4251000
Ion Ratio Lower Upper
228 100
226 33.0 26.2 39.2
229 24.1 19.4 29.2

Manual Integrations

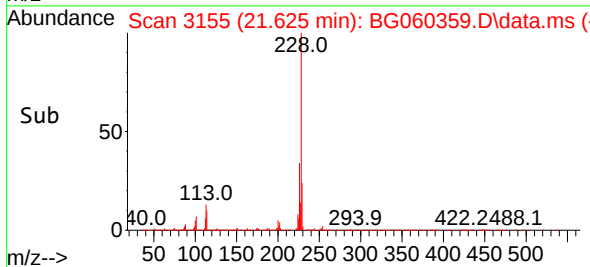
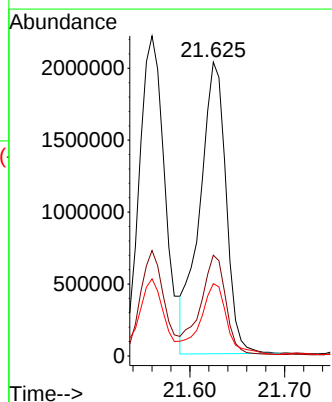
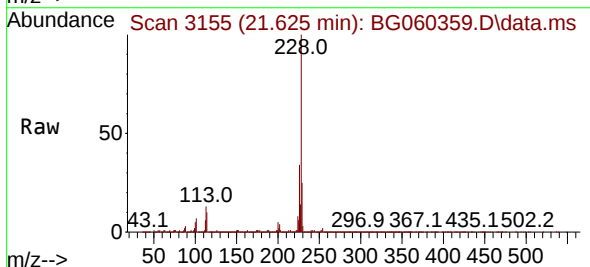
APPROVED

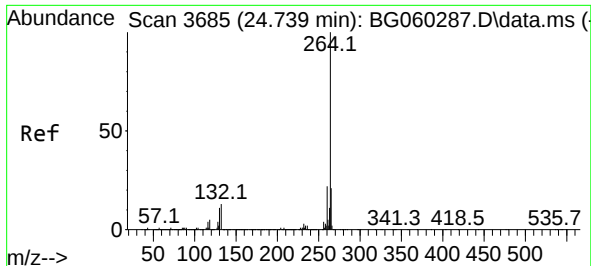
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#83
Chrysene
Concen: 39.450 ng
RT: 21.625 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

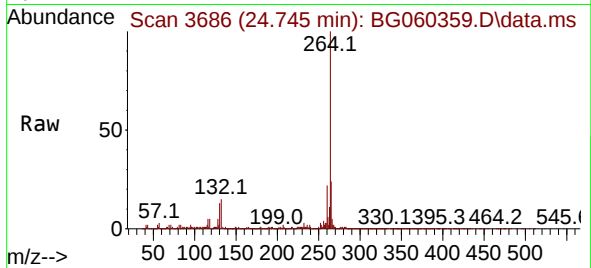
Tgt Ion:228 Resp: 3921621
Ion Ratio Lower Upper
228 100
226 34.3 29.4 44.2
229 24.6 19.2 28.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.745 min Scan# 30
Delta R.T. 0.005 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

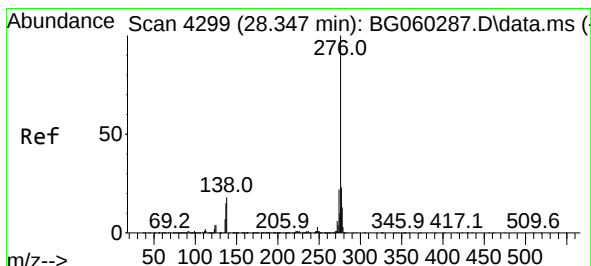
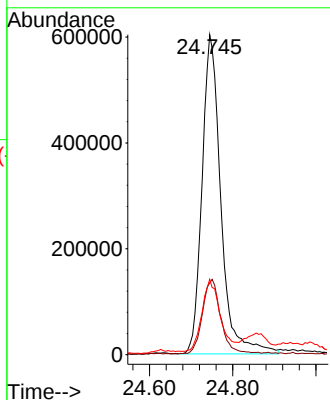
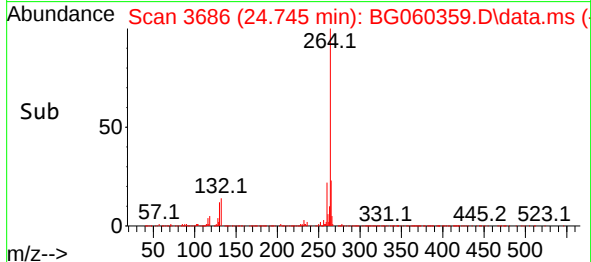
Instrument :
BNA_G
ClientSampleId :
WC-B-COMP



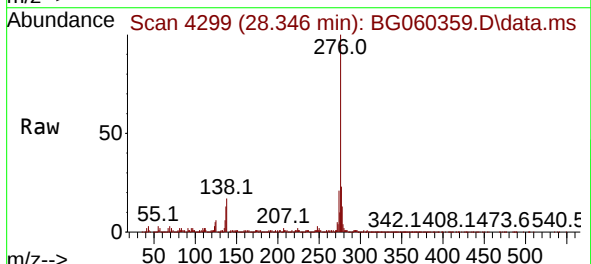
Tgt Ion:264 Resp: 1891980
Ion Ratio Lower Upper
264 100
260 22.5 17.8 26.6
265 23.6 16.8 25.2

Manual Integrations
APPROVED

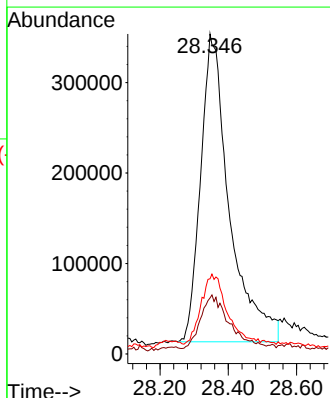
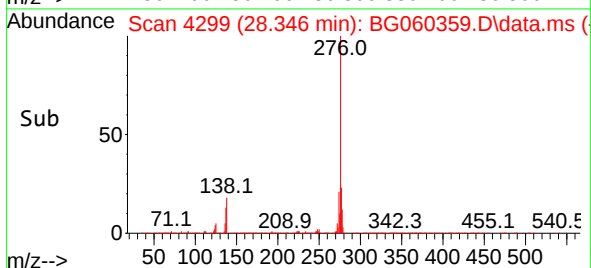
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

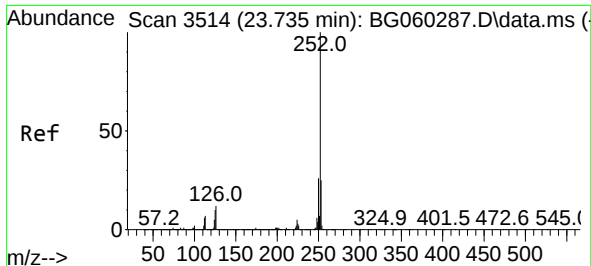


#87
Indeno(1,2,3-cd)pyrene
Concen: 15.147 ng
RT: 28.346 min Scan# 4299
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32



Tgt Ion:276 Resp: 1992649
Ion Ratio Lower Upper
276 100
138 17.2 12.5 18.7
277 20.4 20.5 30.7#





#88
Benzo(b)fluoranthene
Concen: 42.344 ng
RT: 23.746 min Scan# 3514
Delta R.T. 0.011 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

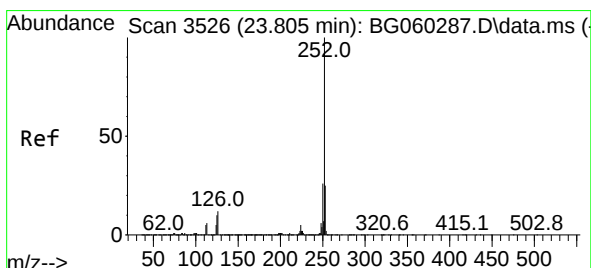
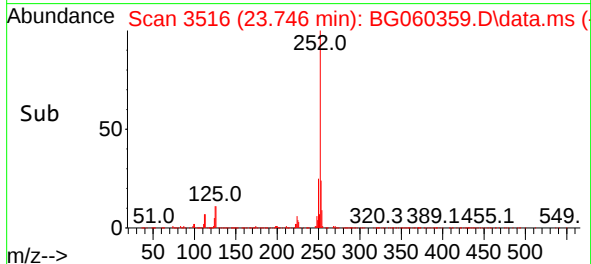
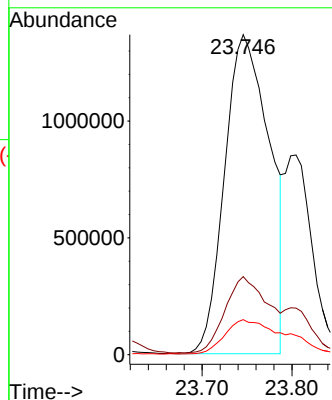
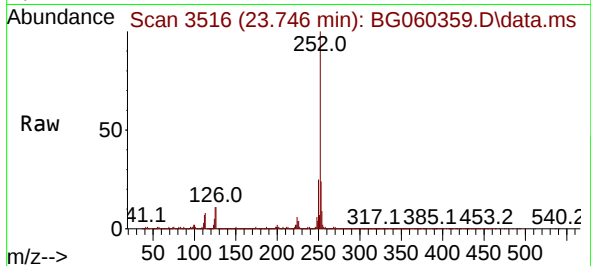
WC-B-COMP

Tgt Ion:252 Resp: 473275
Ion Ratio Lower Upper
252 100
253 24.4 20.0 30.0
125 11.0 8.1 12.1

Manual Integrations

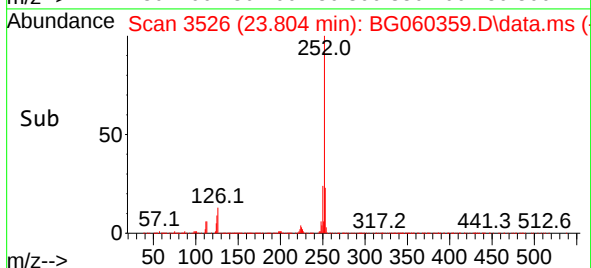
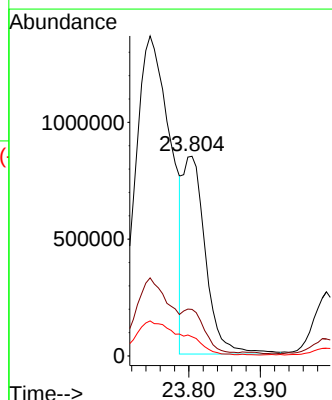
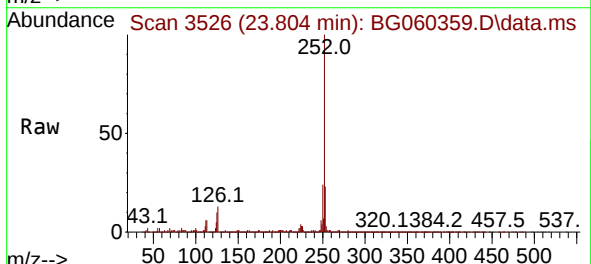
APPROVED

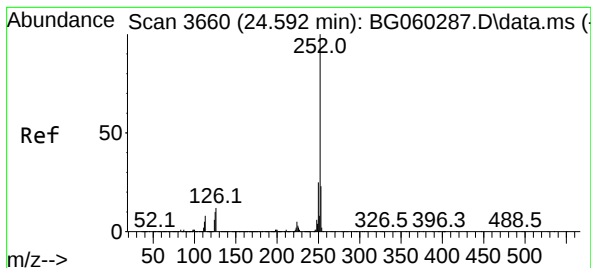
Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#89
Benzo(k)fluoranthene
Concen: 16.901 ng m
RT: 23.804 min Scan# 3526
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Tgt Ion:252 Resp: 1864055
Ion Ratio Lower Upper
252 100
253 23.3 19.6 29.4
125 9.6 8.2 12.2





#90

Benzo(a)pyrene

Concen: 37.039 ng

RT: 24.598 min Scan# 3

Delta R.T. 0.005 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

Instrument :

BNA_G

ClientSampleId :

WC-B-COMP

Tgt Ion:252 Resp: 3739790

Ion Ratio Lower Upper

252 100

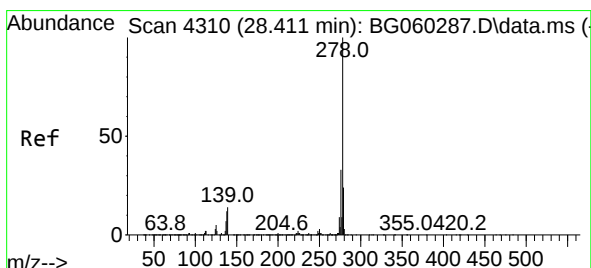
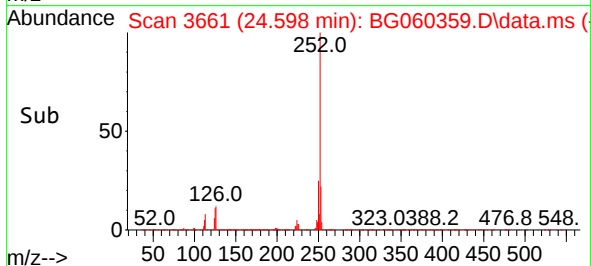
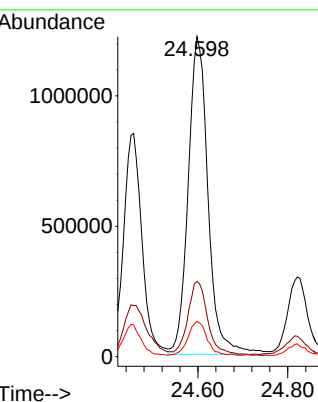
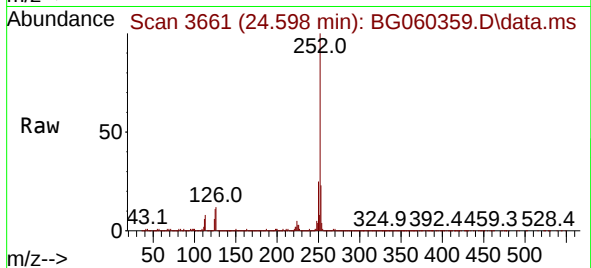
253 23.5 18.1 27.1

125 11.0 8.1 12.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024



#91

Dibenzo(a,h)anthracene

Concen: 4.434 ng m

RT: 28.399 min Scan# 4308

Delta R.T. -0.012 min

Lab File: BG060359.D

Acq: 18 Jan 2024 19:32

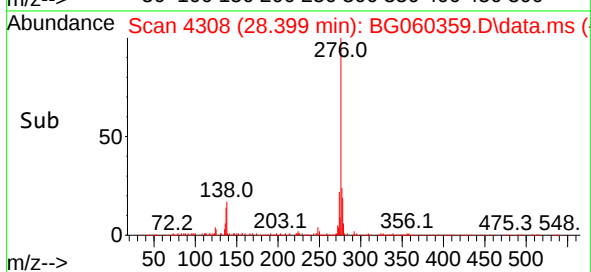
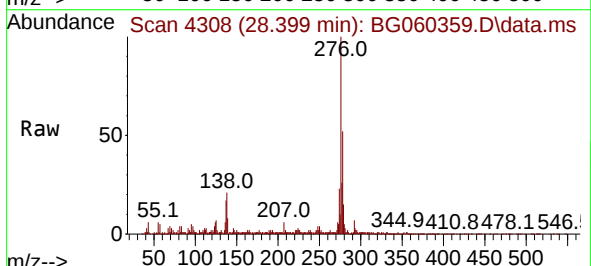
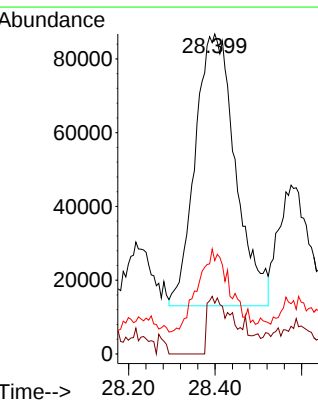
Tgt Ion:278 Resp: 476412

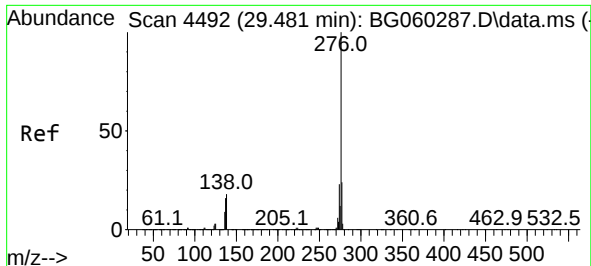
Ion Ratio Lower Upper

278 100

139 15.9 10.9 16.3

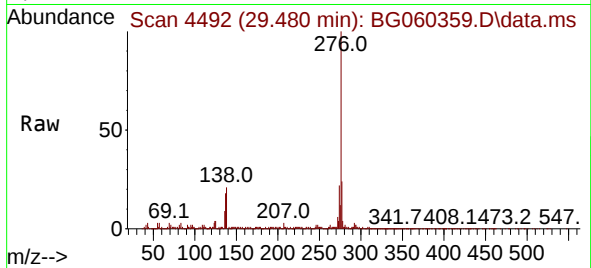
279 29.2 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 17.274 ng
RT: 29.480 min Scan# 44
Delta R.T. -0.001 min
Lab File: BG060359.D
Acq: 18 Jan 2024 19:32

Instrument :
BNA_G
ClientSampleId :
WC-B-COMP



Tgt Ion:276 Resp: 190199
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.0
138 20.9 14.2 21.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/23/2024
Supervised By :mohammad ahmed 01/24/2024

