

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
 Data File : BG060377.D
 Acq On : 19 Jan 2024 20:23
 Operator : MA/JU
 Sample : P1182-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-011824

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/22/2024
 Supervised By :mohammad ahmed 01/23/2024

Quant Time: Jan 20 06:35:01 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	7.928	152	270215	20.000	ng	0.00
21) Naphthalene-d8	10.731	136	1034965	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	713965	20.000	ng	0.00
64) Phenanthrene-d10	17.317	188	1595531	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1372589	20.000	ng	0.00
86) Perylene-d12	24.756	264	1532719	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.508	112	311213	18.943	ng	0.00
7) Phenol-d6	7.094	99	407792	16.763	ng	0.00
23) Nitrobenzene-d5	9.092	82	265568	12.116	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	177040	16.854	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	635942	12.384	ng	0.00
79) Terphenyl-d14	19.932	244	936311	9.764	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.784	128	510845	9.416	ng	99
37) 2-Methylnaphthalene	12.394	142	259773	6.456	ng	95
38) 1-Methylnaphthalene	12.611	142	202180	5.004	ng	96
52) Acenaphthene	14.632	154	294311	7.434	ng	99
55) Dibenzofuran	14.967	168	376587	5.698	ng	97
58) Fluorene	15.614	166	569886	10.413	ng	97
71) Phenanthrene	17.359	178	4070681	52.783	ng	98
72) Anthracene	17.447	178	1170650	15.204	ng	95
73) Carbazole	17.723	167	327985	4.518	ng	92
75) Fluoranthene	19.380	202	4735153	51.119	ng	98
78) Pyrene	19.738	202	4377003	49.936	ng	98
81) Benzo(a)anthracene	21.565	228	2382301	28.036	ng	95
83) Chrysene	21.630	228	2295924m	27.472	ng	
87) Indeno(1,2,3-cd)pyrene	28.369	276	796633m	7.475	ng	
88) Benzo(b)fluoranthene	23.751	252	2436018	26.903	ng	98
89) Benzo(k)fluoranthene	23.816	252	1100576m	12.317	ng	
90) Benzo(a)pyrene	24.609	252	1910668	23.359	ng	97
91) Dibenzo(a,h)anthracene	28.434	278	186994	2.149	ng	# 85
92) Benzo(g,h,i)perylene	29.509	276	741903m	8.317	ng	

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

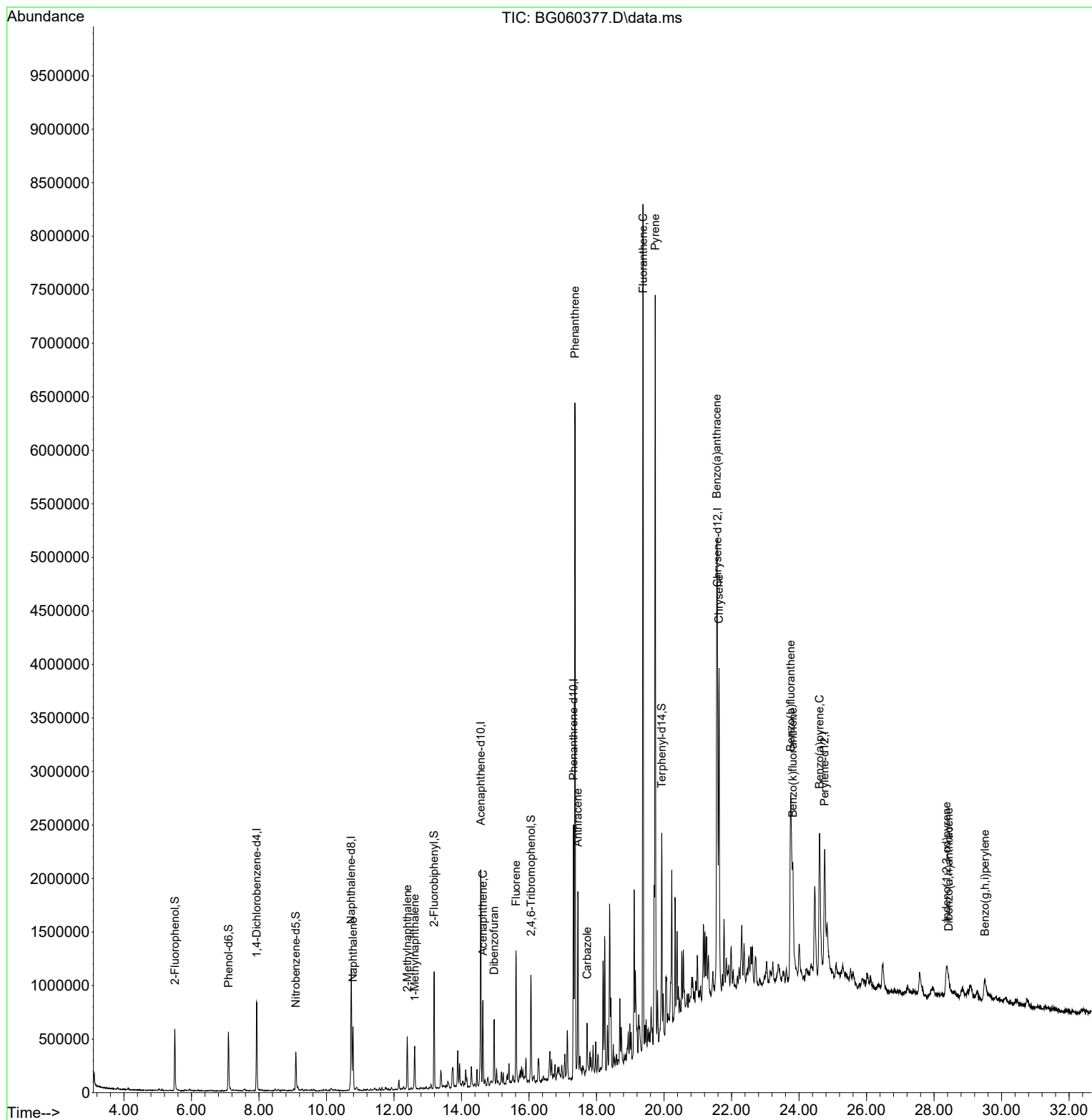
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
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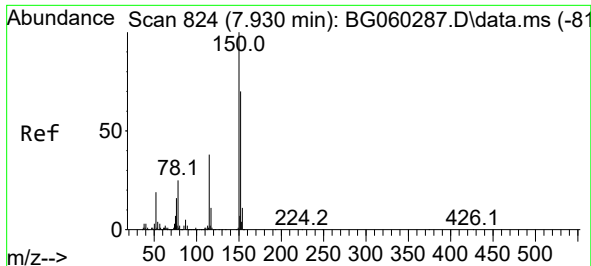
Instrument :
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Quant Time: Jan 20 06:35:01 2024
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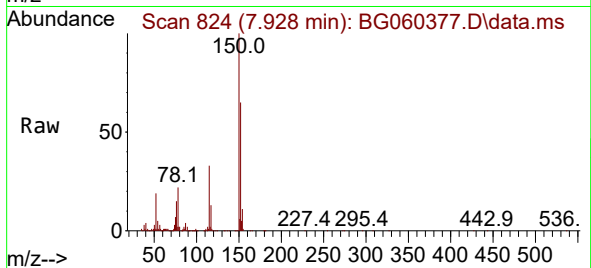
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.928 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

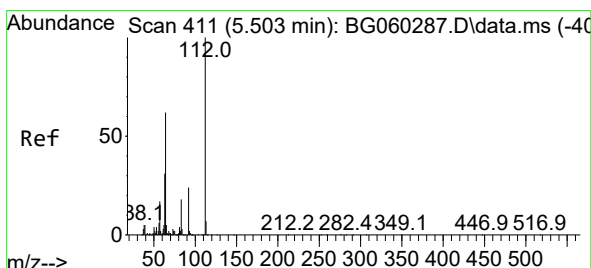
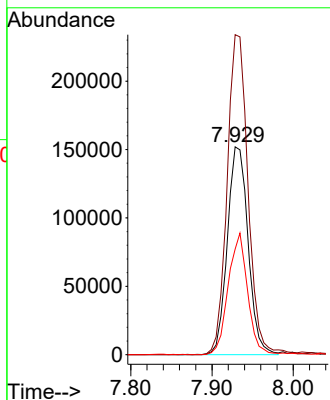
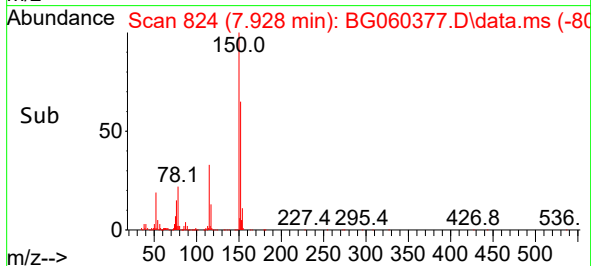
Instrument :
BNA_G
ClientSampleId :
OR-03-011824



Tgt Ion:152 Resp: 270215
Ion Ratio Lower Upper
152 100
150 154.0 114.5 171.7
115 50.9 43.0 64.6

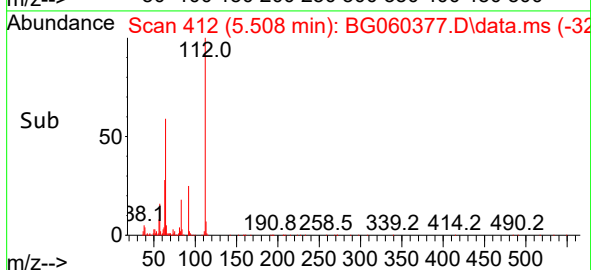
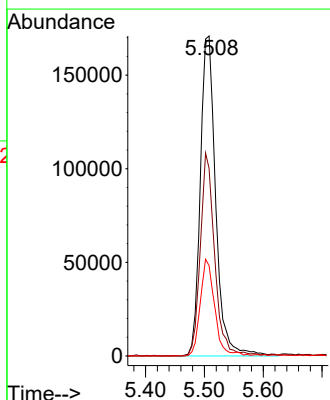
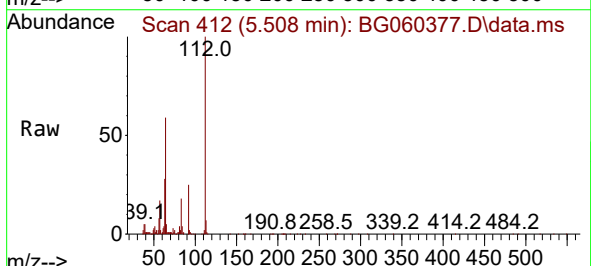
Manual Integrations
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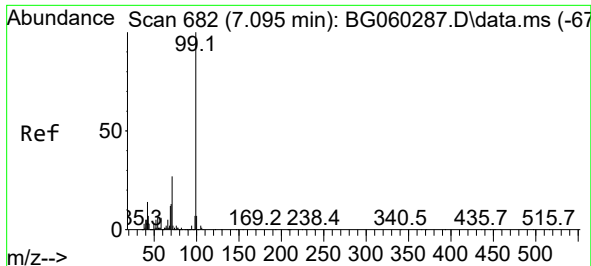
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#5
2-Fluorophenol
Concen: 18.943 ng
RT: 5.508 min Scan# 412
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

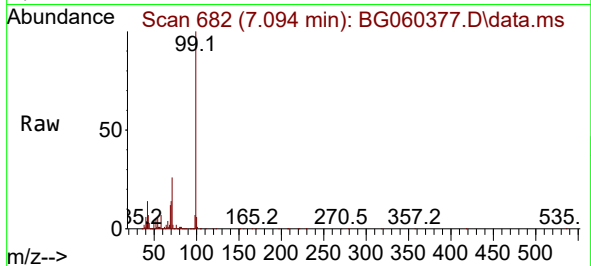
Tgt Ion:112 Resp: 311213
Ion Ratio Lower Upper
112 100
64 58.6 49.8 74.6
63 28.2 24.4 36.6





#7
Phenol-d6
Concen: 16.763 ng
RT: 7.094 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

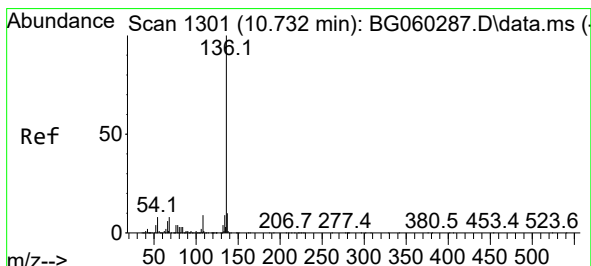
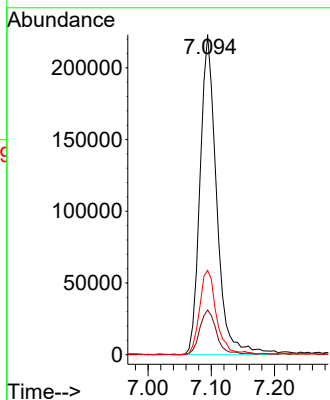
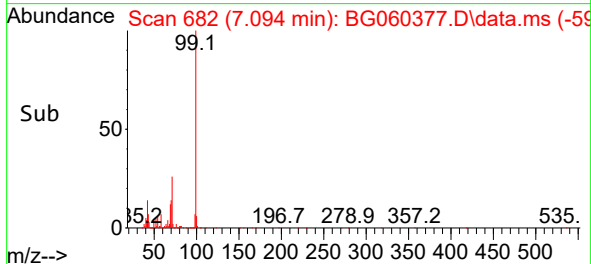
Instrument :
BNA_G
ClientSampleId :
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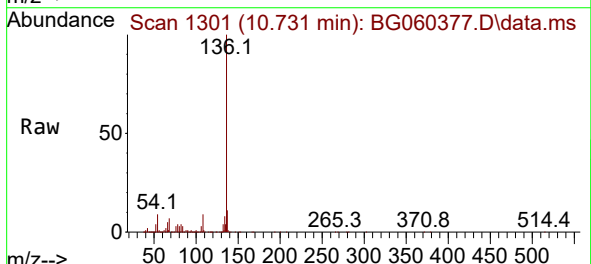
Tgt Ion: 99 Resp: 407792
Ion Ratio Lower Upper
99 100
42 13.9 10.9 16.3
71 26.4 21.5 32.3

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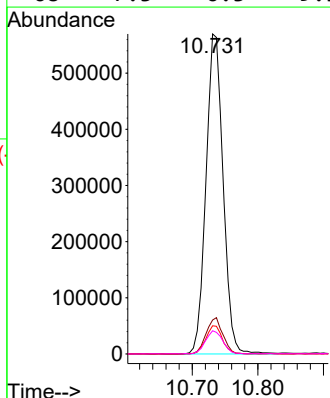
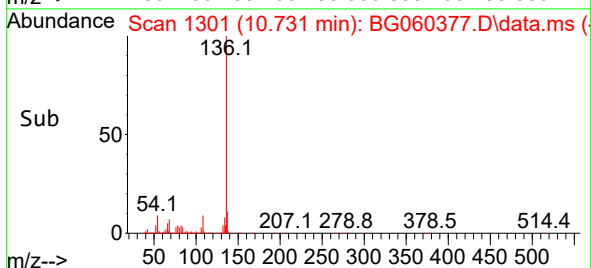
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

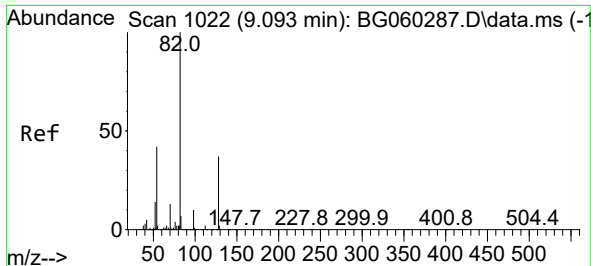


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 1301
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23



Tgt Ion:136 Resp: 1034965
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.8 6.2 9.2
68 7.3 6.3 9.5





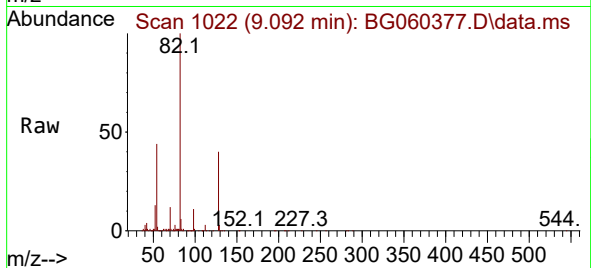
#23
Nitrobenzene-d5
Concen: 12.116 ng
RT: 9.092 min Scan# 1022
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

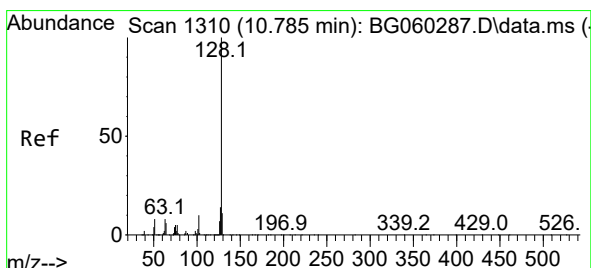
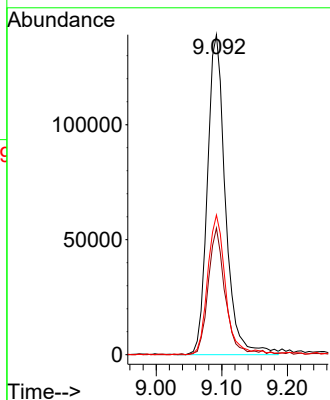
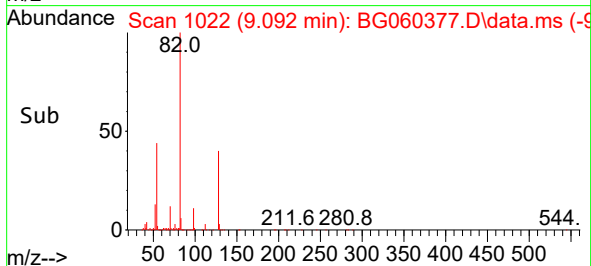


Tgt Ion: 82 Resp: 265568
Ion Ratio Lower Upper
82 100
128 39.5 29.6 44.4
54 43.7 33.6 50.4

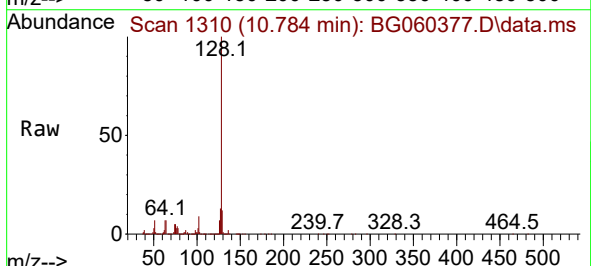
Manual Integrations

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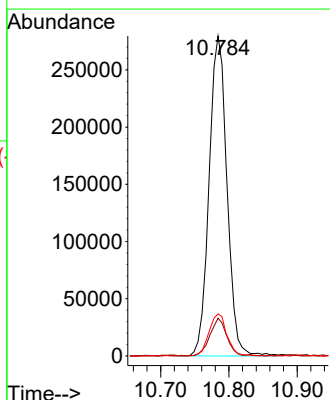
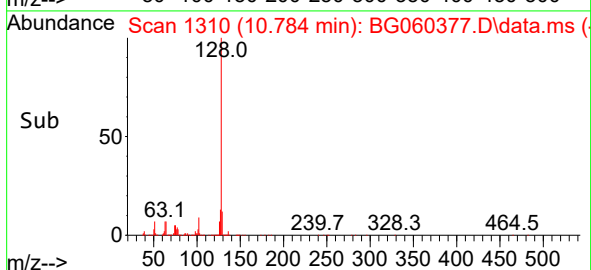
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

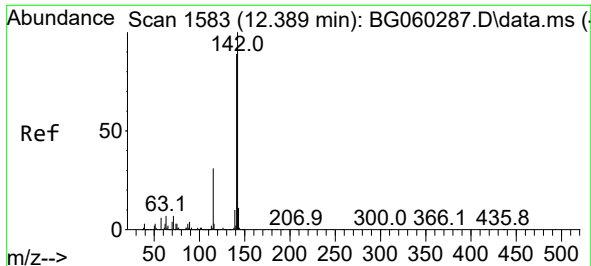


#31
Naphthalene
Concen: 9.416 ng
RT: 10.784 min Scan# 1310
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23



Tgt Ion:128 Resp: 510845
Ion Ratio Lower Upper
128 100
129 11.8 8.9 13.3
127 13.1 10.9 16.3





#37

2-Methylnaphthalene

Concen: 6.456 ng

RT: 12.394 min Scan# 1584

Delta R.T. 0.005 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

Tgt Ion:142 Resp: 25977

Ion Ratio Lower Upper

142 100

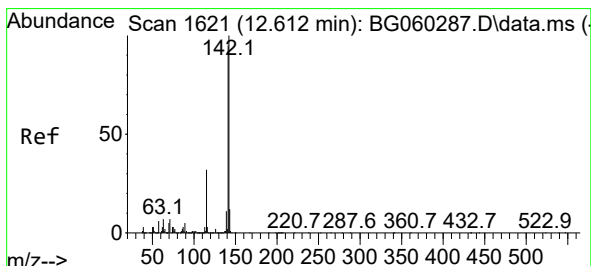
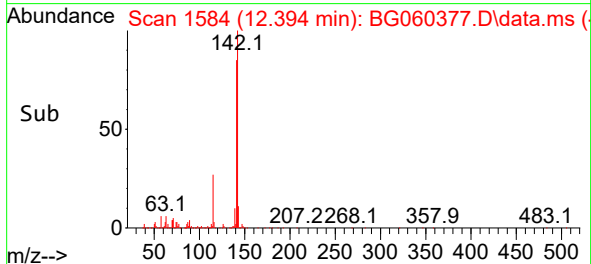
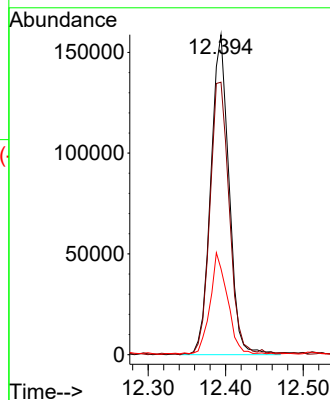
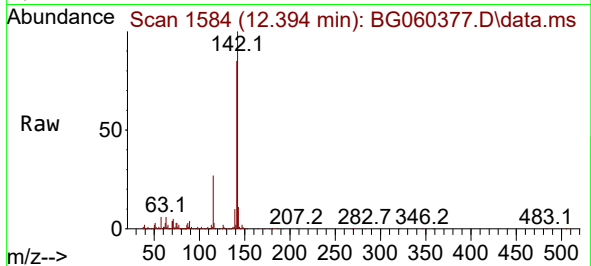
141 85.2 71.0 106.4

115 26.9 24.7 37.1

Manual Integrations

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Supervised By :mohammad ahmed 01/23/2024



#38

1-Methylnaphthalene

Concen: 5.004 ng

RT: 12.611 min Scan# 1621

Delta R.T. -0.001 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

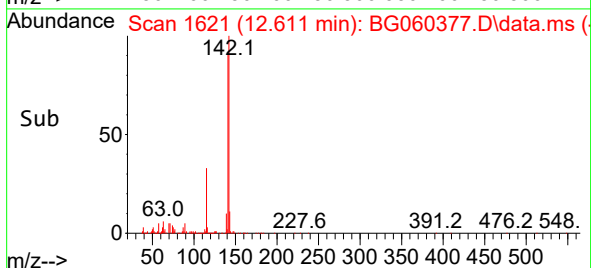
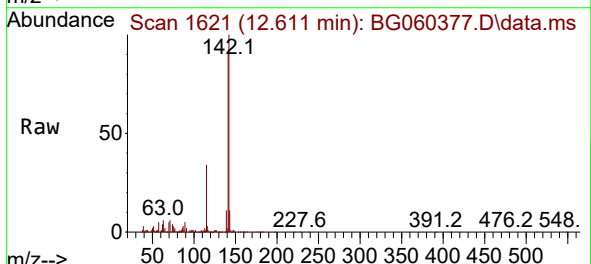
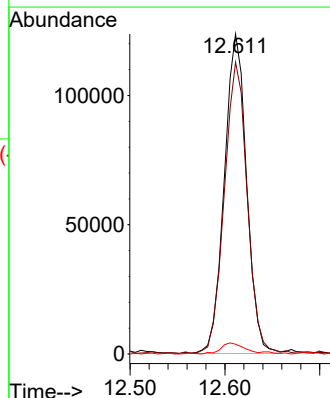
Tgt Ion:142 Resp: 202180

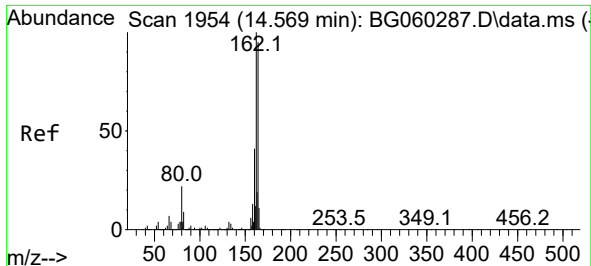
Ion Ratio Lower Upper

142 100

141 91.2 76.2 114.2

116 3.0 2.6 3.8





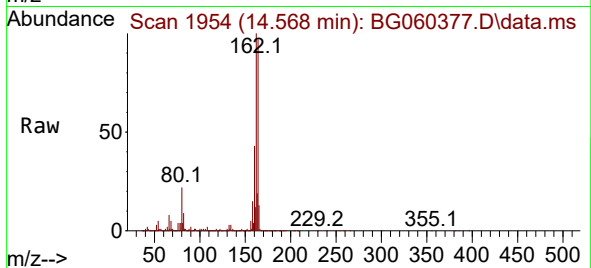
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

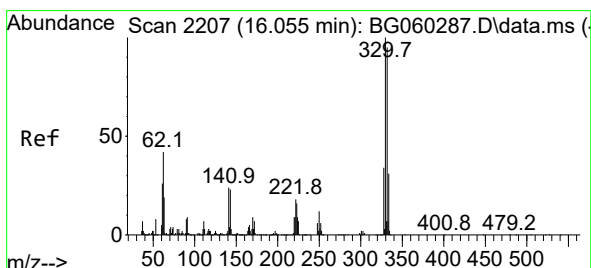
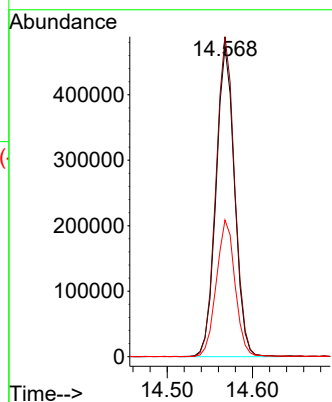
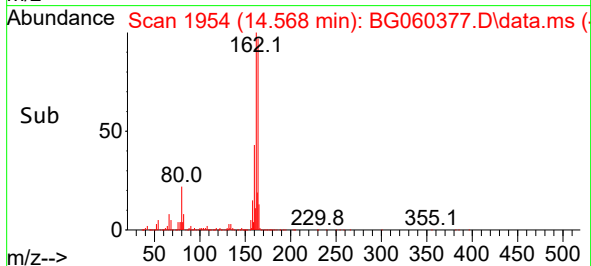


Tgt Ion:164 Resp: 71396
Ion Ratio Lower Upper
164 100
162 103.3 84.4 126.6
160 44.1 34.6 52.0

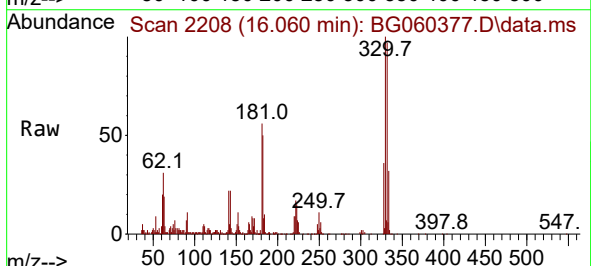
Manual Integrations

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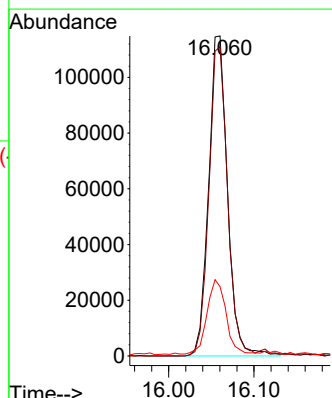
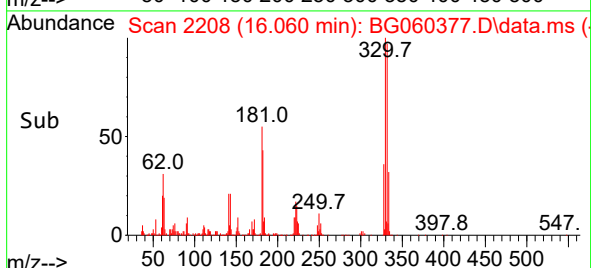
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Supervised By :mohammad ahmed 01/23/2024

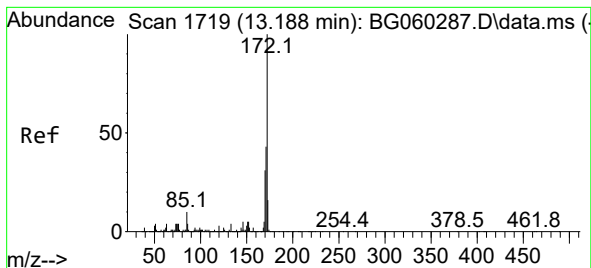


#42
2,4,6-Tribromophenol
Concen: 16.854 ng
RT: 16.060 min Scan# 2208
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23



Tgt Ion:330 Resp: 177040
Ion Ratio Lower Upper
330 100
332 94.9 76.7 115.1
141 23.5 18.6 28.0





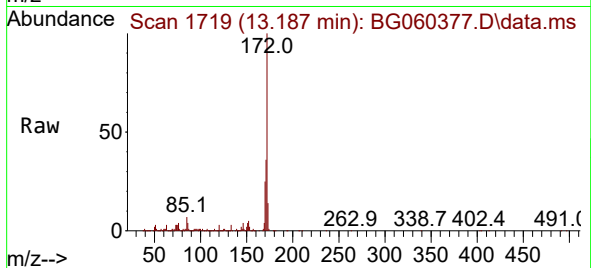
#45
2-Fluorobiphenyl
Concen: 12.384 ng
RT: 13.187 min Scan# 1719
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Instrument :

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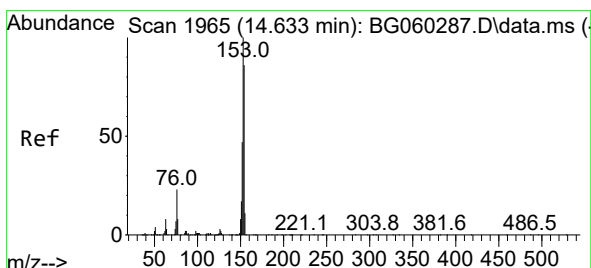
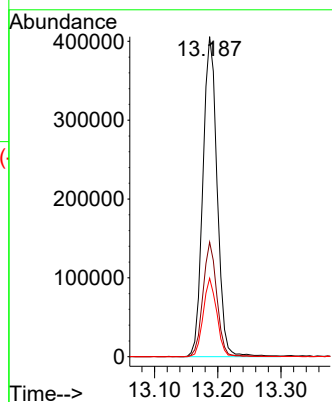
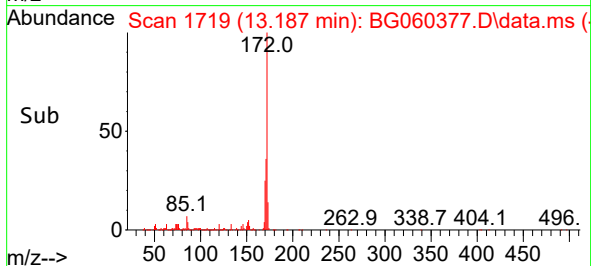


Tgt Ion:172 Resp: 63594
Ion Ratio Lower Upper
172 100
171 35.8 34.6 51.8
170 24.5 24.4 36.6

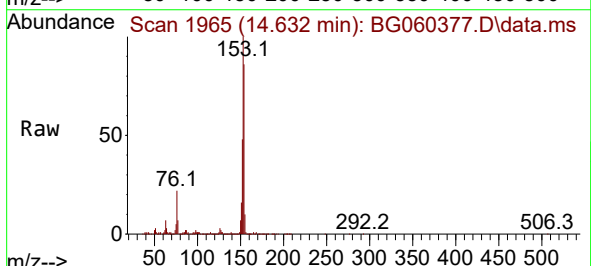
Manual Integrations

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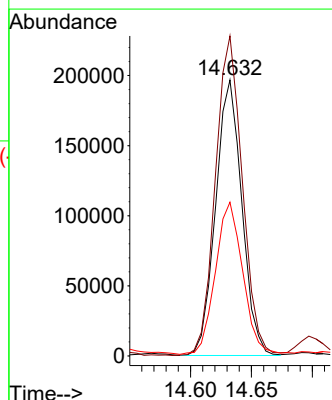
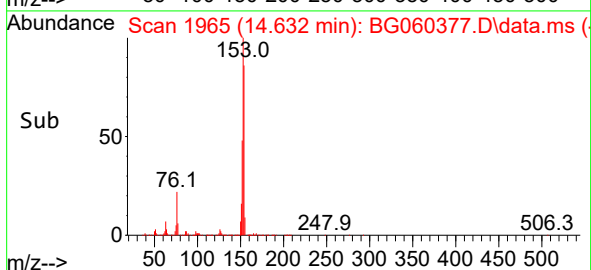
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

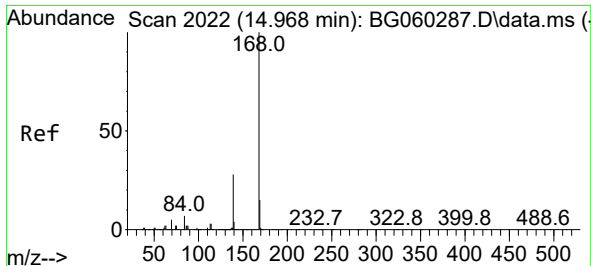


#52
Acenaphthene
Concen: 7.434 ng
RT: 14.632 min Scan# 1965
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23



Tgt Ion:154 Resp: 294311
Ion Ratio Lower Upper
154 100
153 115.9 92.6 138.8
152 55.7 43.8 65.8





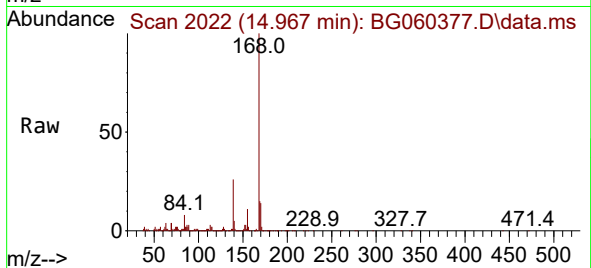
#55
Dibenzenofuran
Concen: 5.698 ng
RT: 14.967 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Instrument :

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OR-03-011824

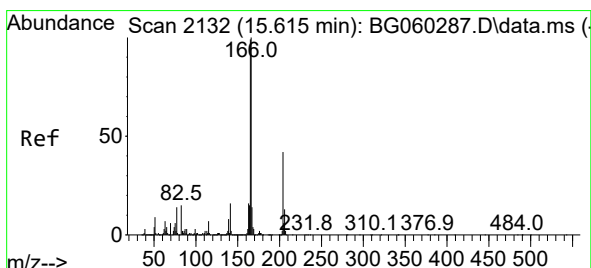
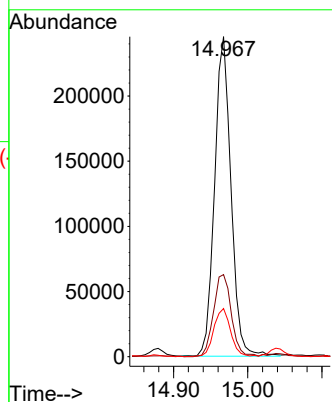
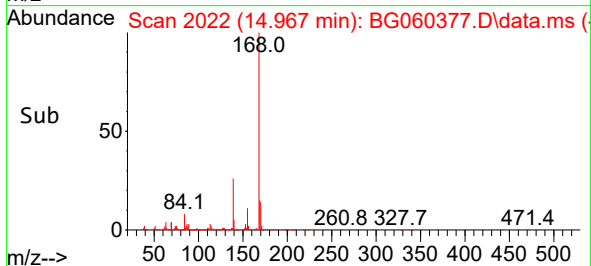


Tgt Ion:168 Resp: 37658
Ion Ratio Lower Upper
168 100
139 25.7 22.6 34.0
169 15.0 12.1 18.1

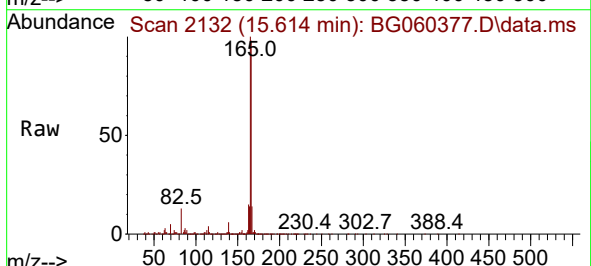
Manual Integrations

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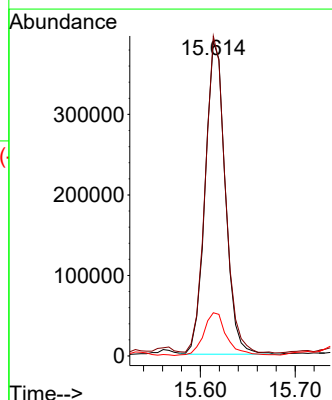
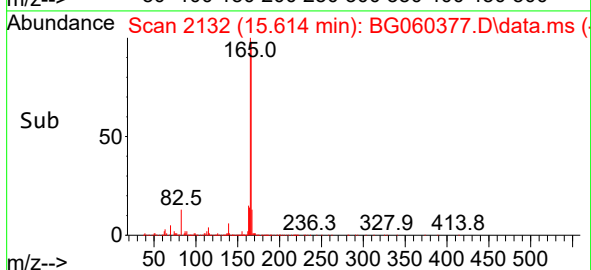
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

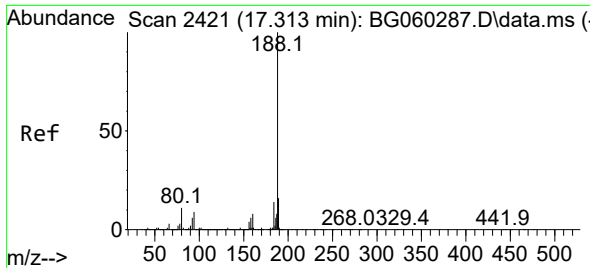


#58
Fluorene
Concen: 10.413 ng
RT: 15.614 min Scan# 2132
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23



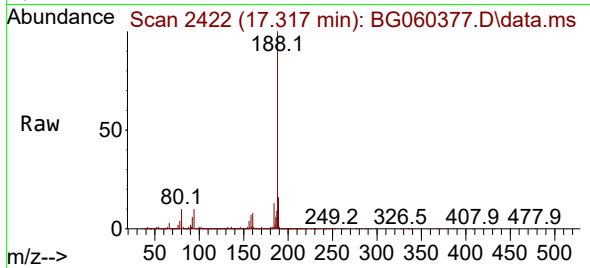
Tgt Ion:166 Resp: 569886
Ion Ratio Lower Upper
166 100
165 101.7 79.0 118.6
167 13.8 11.4 17.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.317 min Scan# 2421
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

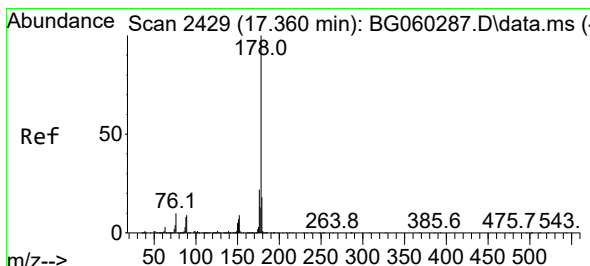
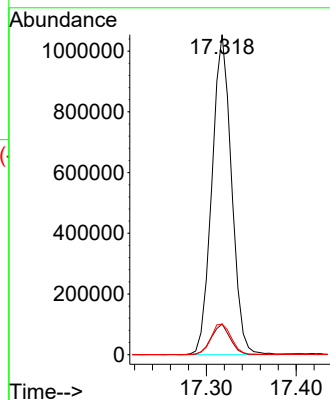
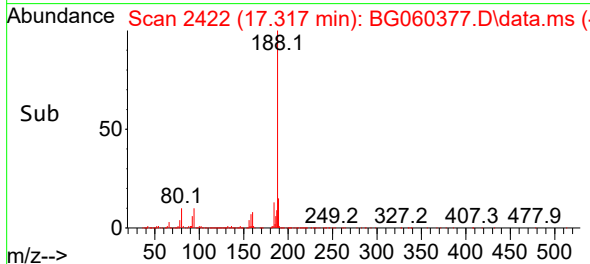
Instrument :
BNA_G
ClientSampleId :
OR-03-011824



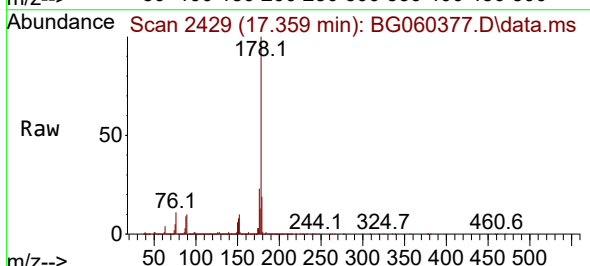
Tgt Ion:188 Resp: 159553
Ion Ratio Lower Upper
188 100
94 9.6 7.1 10.7
80 9.6 8.5 12.7

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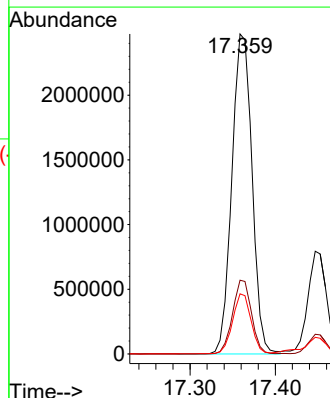
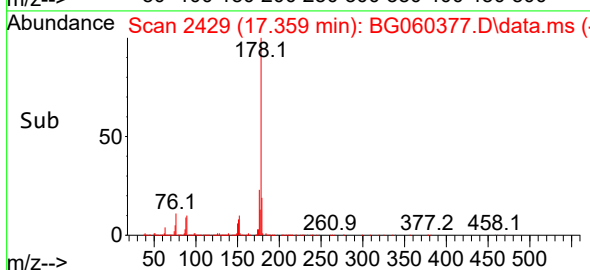
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

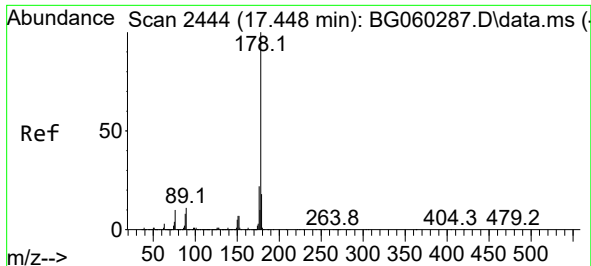


#71
Phenanthrene
Concen: 52.783 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23



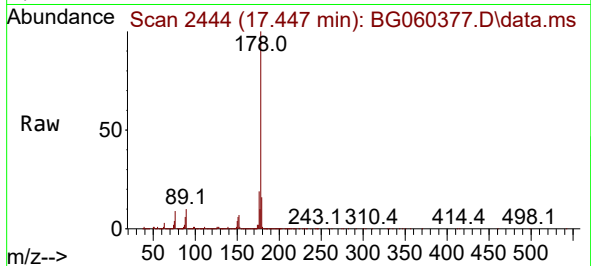
Tgt Ion:178 Resp: 4070681
Ion Ratio Lower Upper
178 100
176 23.1 17.4 26.2
179 18.8 14.7 22.1





#72
 Anthracene
 Concen: 15.204 ng
 RT: 17.447 min Scan# 2444
 Delta R.T. -0.001 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

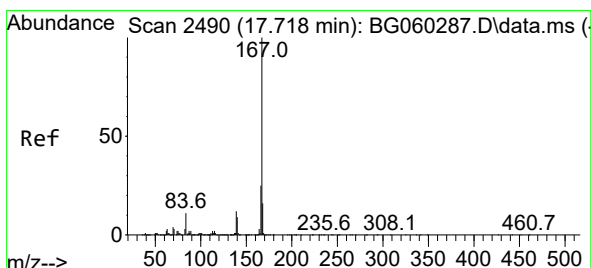
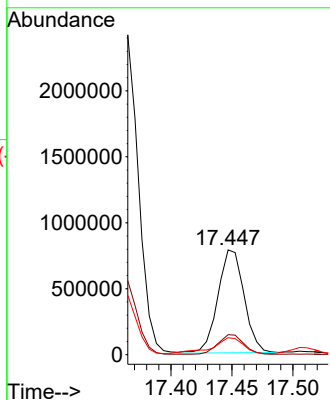
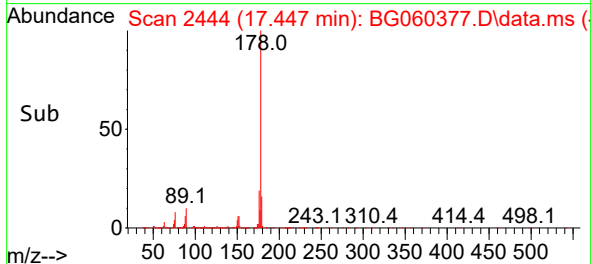
Instrument :
 BNA_G
 ClientSampleId :
 OR-03-011824



Tgt Ion:178 Resp: 1170650
 Ion Ratio Lower Upper
 178 100
 176 19.1 17.8 26.6
 179 16.3 14.1 21.1

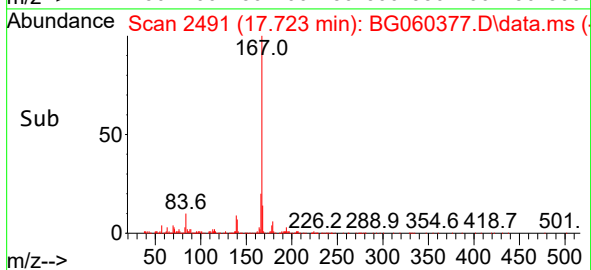
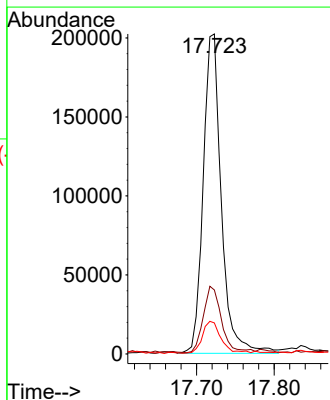
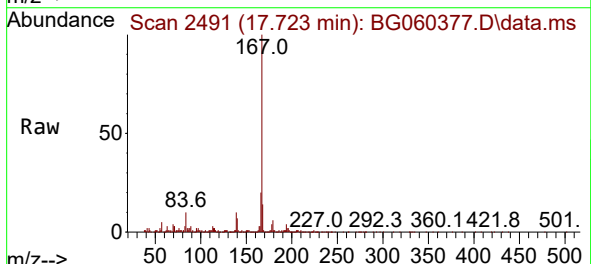
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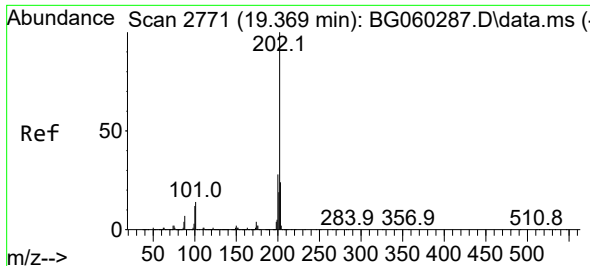
Reviewed By :Jagrut Upadhyay 01/22/2024
 Supervised By :mohammad ahmed 01/23/2024



#73
 Carbazole
 Concen: 4.518 ng
 RT: 17.723 min Scan# 2491
 Delta R.T. 0.005 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Tgt Ion:167 Resp: 327985
 Ion Ratio Lower Upper
 167 100
 166 20.0 19.8 29.8
 139 9.7 9.3 13.9





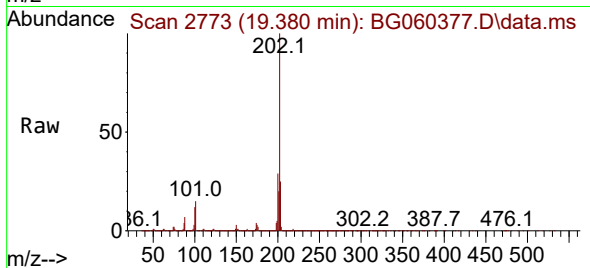
#75
Fluoranthene
Concen: 51.119 ng
RT: 19.380 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

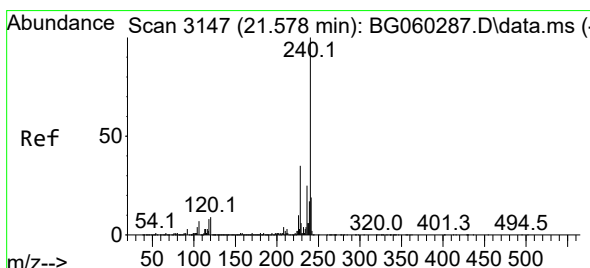
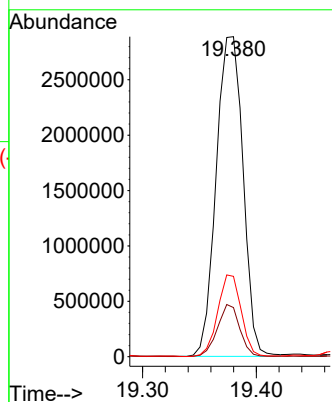
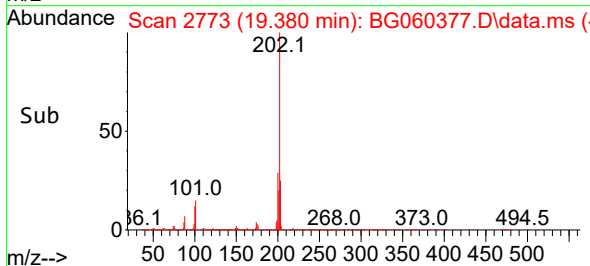


Tgt Ion:202 Resp: 473515
Ion Ratio Lower Upper
202 100
101 15.3 0.0 34.4
203 25.1 4.0 44.0

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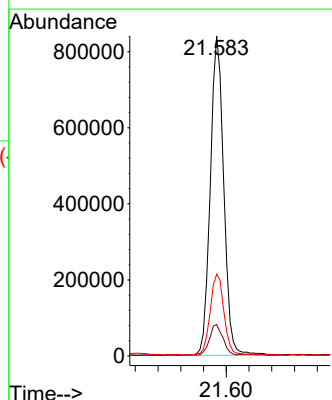
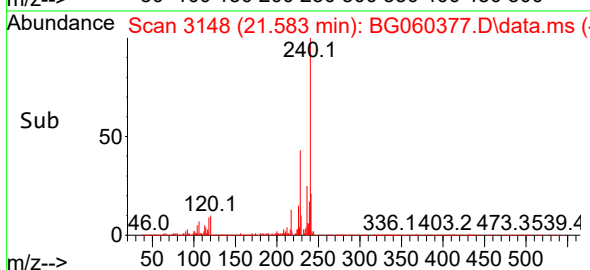
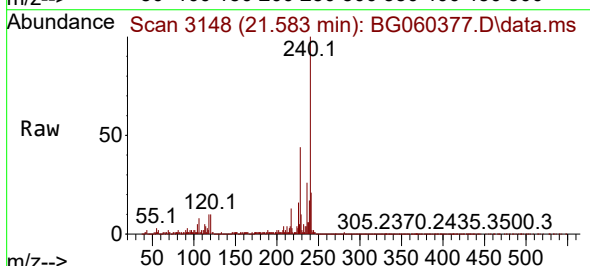
APPROVED

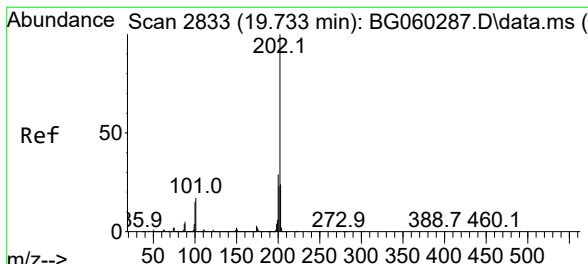
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3148
Delta R.T. 0.005 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Tgt Ion:240 Resp: 1372589
Ion Ratio Lower Upper
240 100
120 9.8 7.3 10.9
236 25.6 20.3 30.5





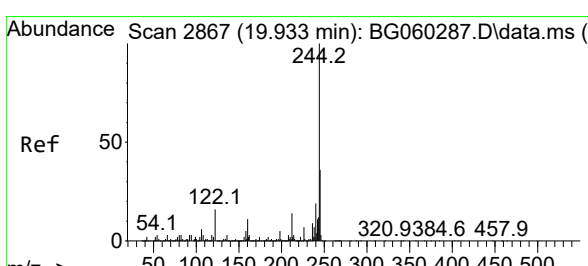
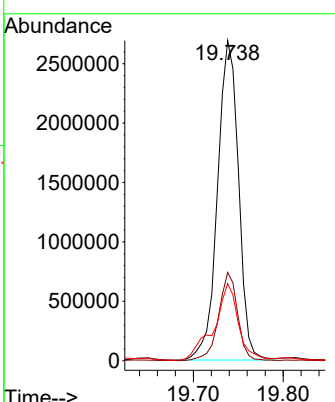
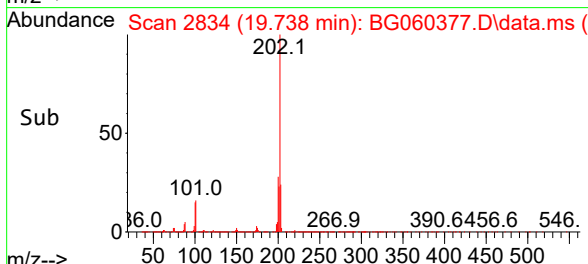
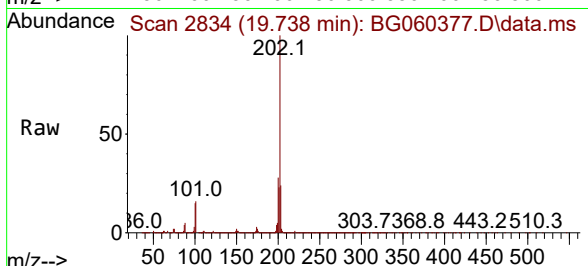
#78
 Pyrene
 Concen: 49.936 ng
 RT: 19.738 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Instrument : BNA_G
 ClientSampleId : OR-03-011824

Tgt Ion: 202 Resp: 437700

Ion	Ratio	Lower	Upper
202	100		
200	27.6	23.5	35.3
203	24.1	19.6	29.4

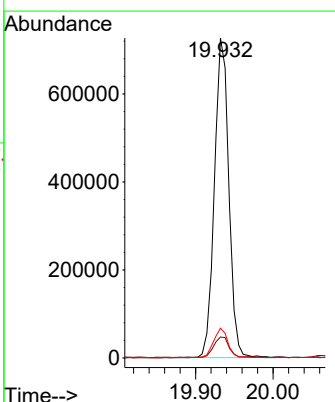
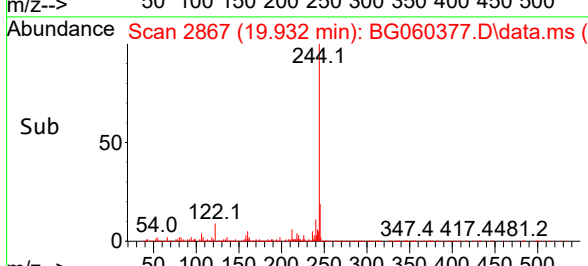
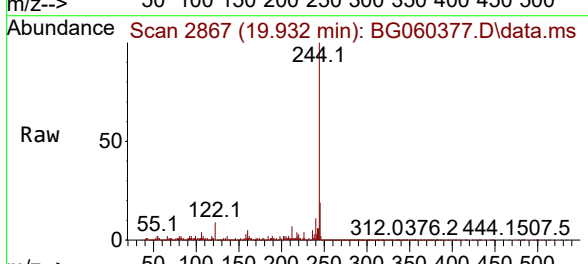
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 Reviewed By :Jagrut Upadhyay 01/22/2024
 Supervised By :mohammad ahmed 01/23/2024

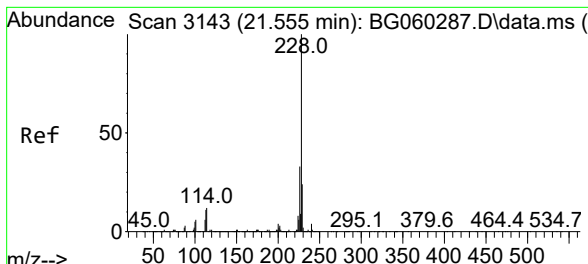


#79
 Terphenyl-d14
 Concen: 9.764 ng
 RT: 19.932 min Scan# 2867
 Delta R.T. -0.001 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Tgt Ion: 244 Resp: 936311

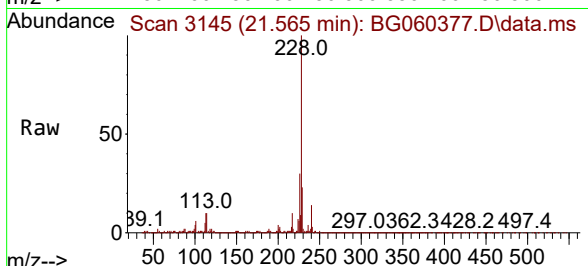
Ion	Ratio	Lower	Upper
244	100		
212	6.6	10.9	16.3#
122	9.3	12.6	18.8#





#81
 Benzo(a)anthracene
 Concen: 28.036 ng
 RT: 21.565 min Scan# 3145
 Delta R.T. 0.011 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Instrument : BNA_G
 ClientSampleId : OR-03-011824

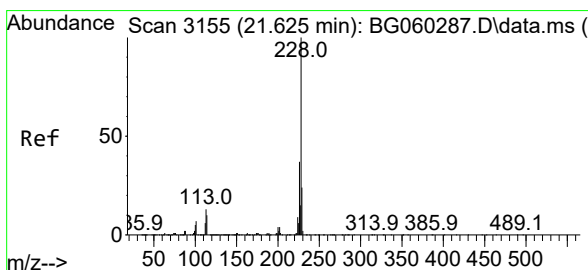
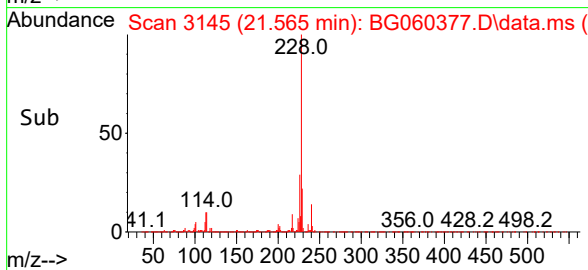
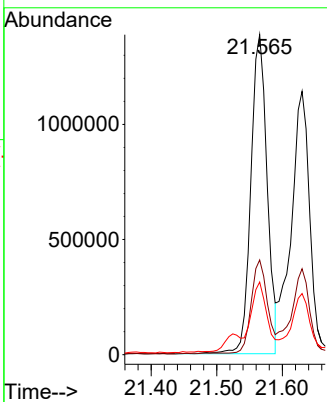


Tgt Ion: 228 Resp: 238230

Ion	Ratio	Lower	Upper
228	100		
226	29.6	26.2	39.2
229	22.7	19.4	29.2

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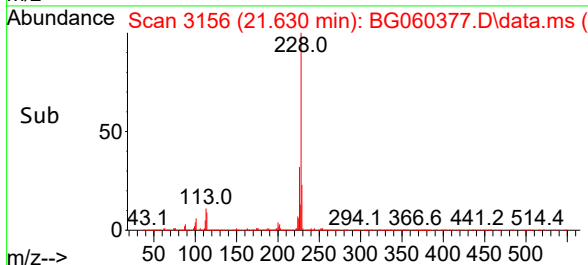
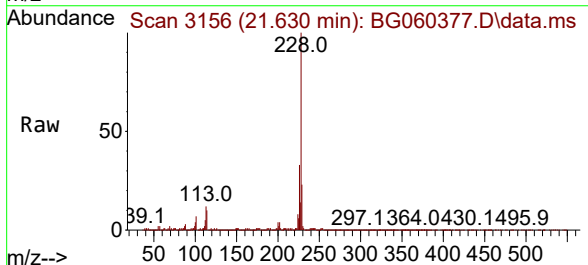
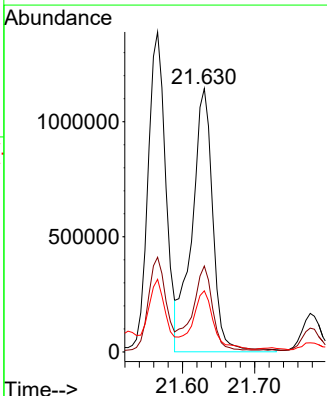
Reviewed By :Jagrut Upadhyay 01/22/2024
 Supervised By :mohammad ahmed 01/23/2024

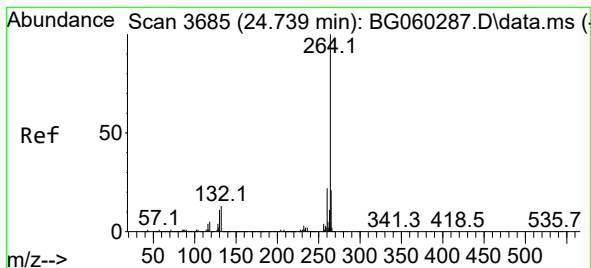


#83
 Chrysene
 Concen: 27.472 ng m
 RT: 21.630 min Scan# 3156
 Delta R.T. 0.005 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Tgt Ion: 228 Resp: 2295924

Ion	Ratio	Lower	Upper
228	100		
226	32.7	29.4	44.2
229	23.2	19.2	28.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.756 min Scan# 3

Delta R.T. 0.017 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

Tgt Ion:264 Resp: 1532719

Ion Ratio Lower Upper

264 100

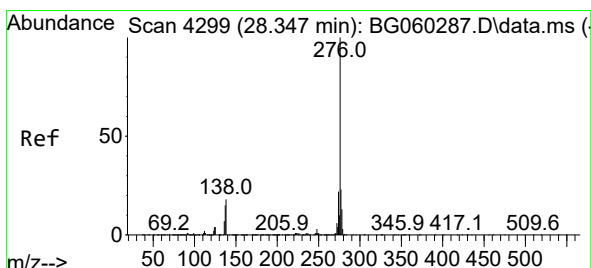
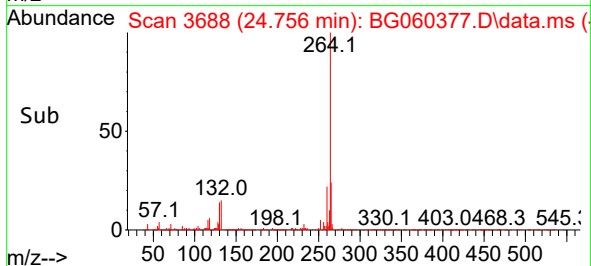
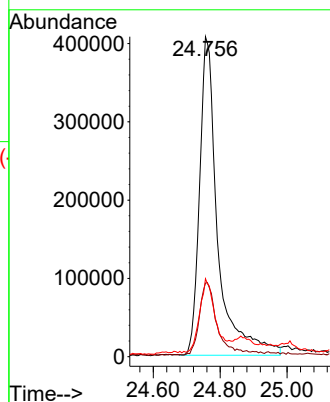
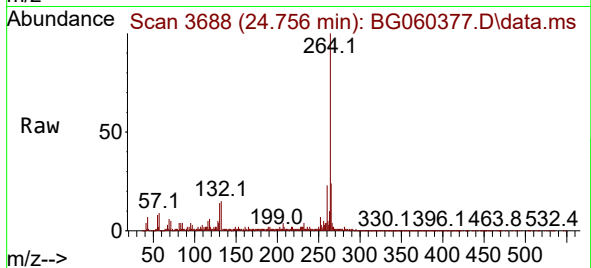
260 23.0 17.8 26.6

265 24.3 16.8 25.2

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Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.475 ng m

RT: 28.369 min Scan# 4303

Delta R.T. 0.022 min

Lab File: BG060377.D

Acq: 19 Jan 2024 20:23

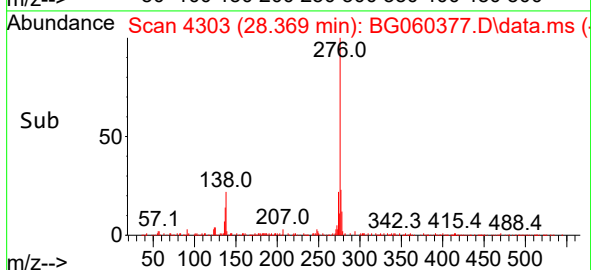
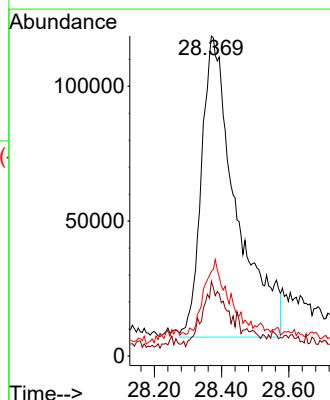
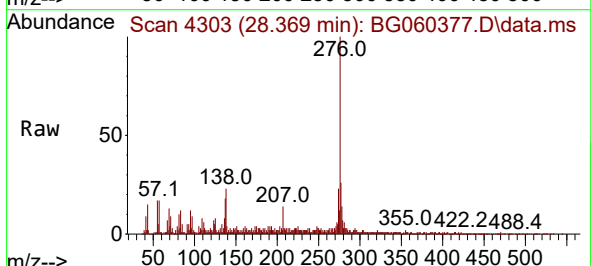
Tgt Ion:276 Resp: 796633

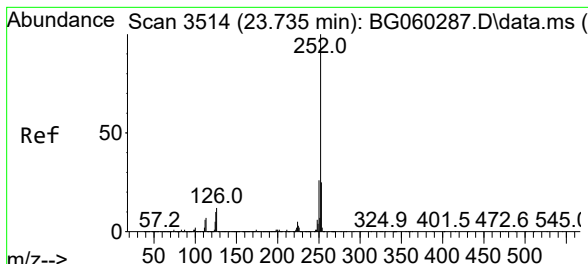
Ion Ratio Lower Upper

276 100

138 14.2 12.5 18.7

277 17.7 20.5 30.7#





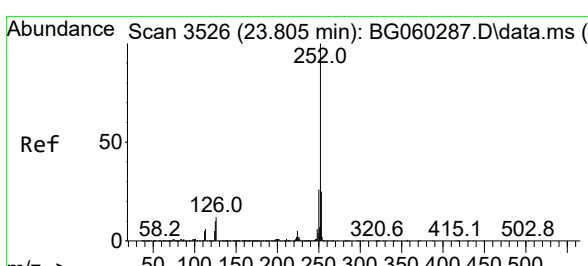
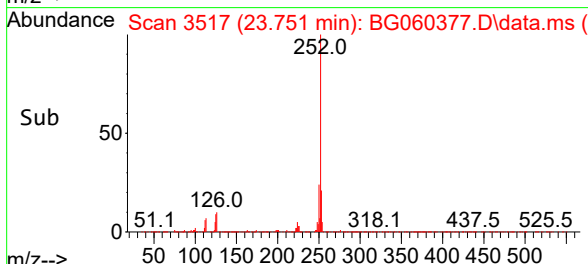
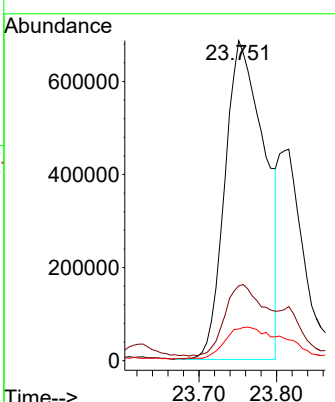
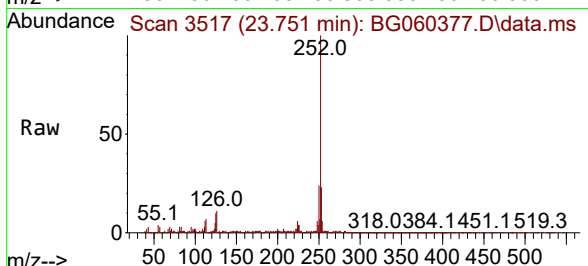
#88
 Benzo(b)fluoranthene
 Concen: 26.903 ng
 RT: 23.751 min Scan# 3517
 Delta R.T. 0.017 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Instrument : BNA_G
 ClientSampleId : OR-03-011824

Tgt Ion:252 Resp: 2436018

Ion	Ratio	Lower	Upper
252	100		
253	23.4	20.0	30.0
125	9.9	8.1	12.1

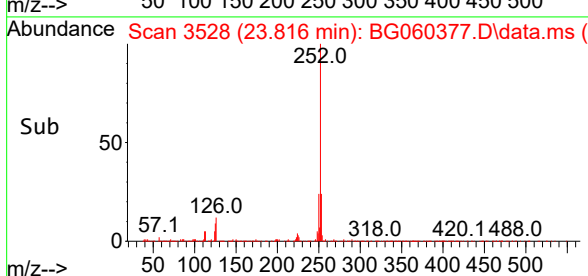
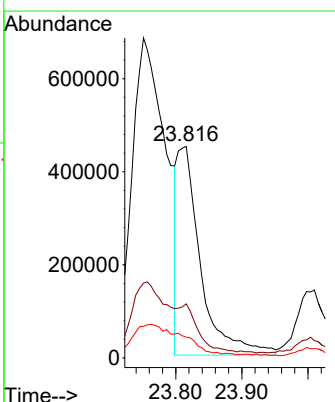
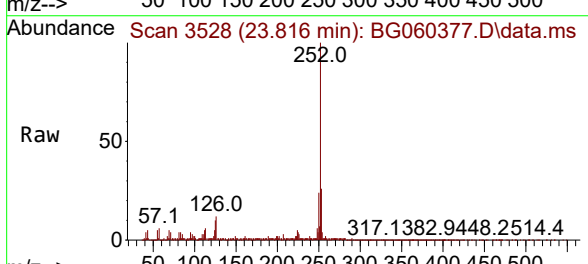
Manual Integrations
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 Reviewed By :Jagrut Upadhyay 01/22/2024
 Supervised By :mohammad ahmed 01/23/2024

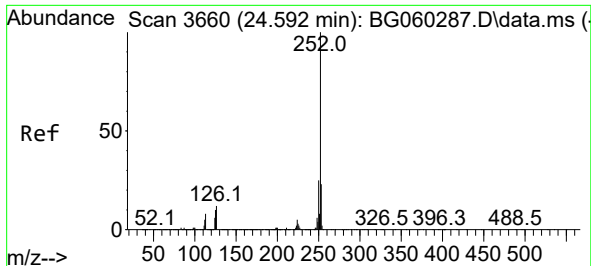


#89
 Benzo(k)fluoranthene
 Concen: 12.317 ng m
 RT: 23.816 min Scan# 3528
 Delta R.T. 0.011 min
 Lab File: BG060377.D
 Acq: 19 Jan 2024 20:23

Tgt Ion:252 Resp: 1100576

Ion	Ratio	Lower	Upper
252	100		
253	25.6	19.6	29.4
125	9.8	8.2	12.2





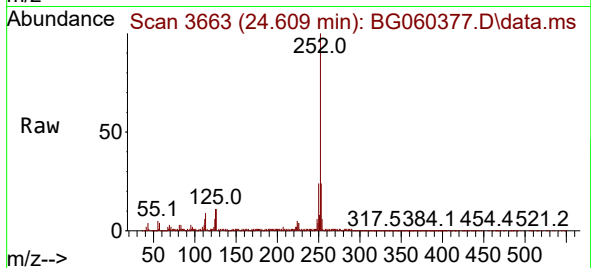
#90
Benzo(a)pyrene
Concen: 23.359 ng
RT: 24.609 min Scan# 30
Delta R.T. 0.017 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Instrument :

BNA_G

ClientSampleId :

OR-03-011824

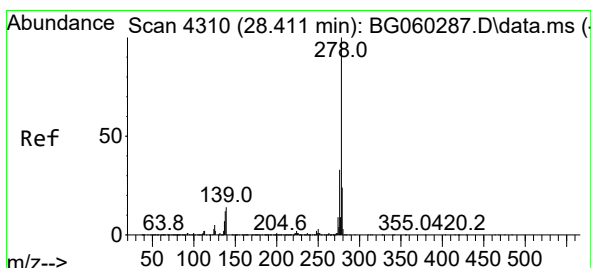
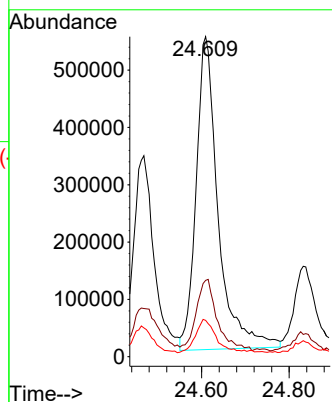
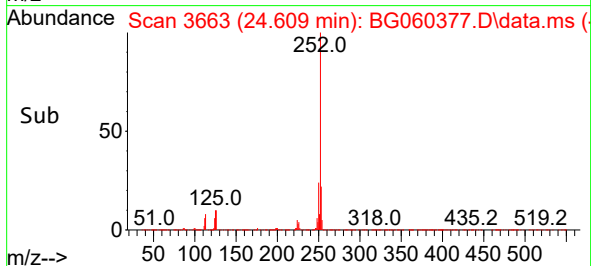


Tgt Ion:252 Resp: 191066
Ion Ratio Lower Upper
252 100
253 23.9 18.1 27.1
125 11.4 8.1 12.1

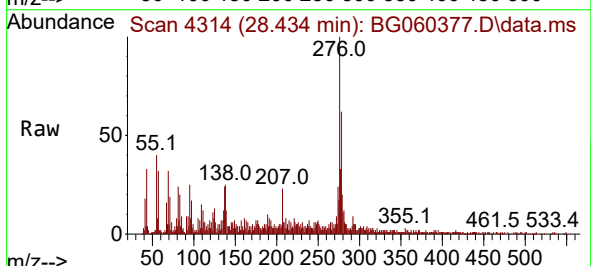
Manual Integrations

APPROVED

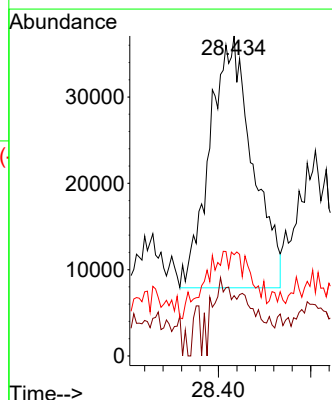
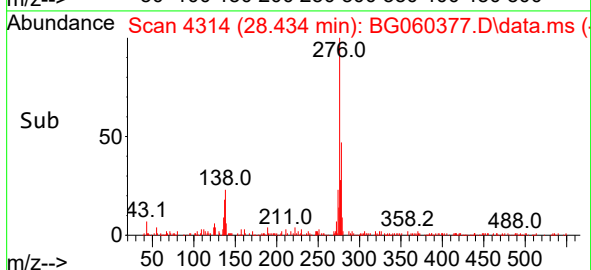
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

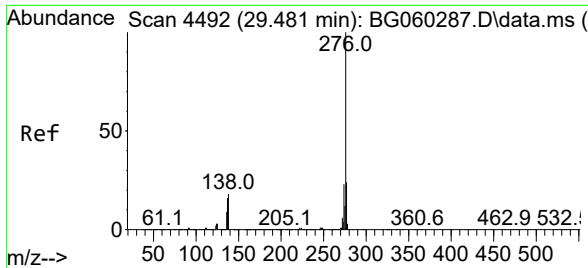


#91
Dibenzo(a,h)anthracene
Concen: 2.149 ng
RT: 28.434 min Scan# 4314
Delta R.T. 0.022 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23



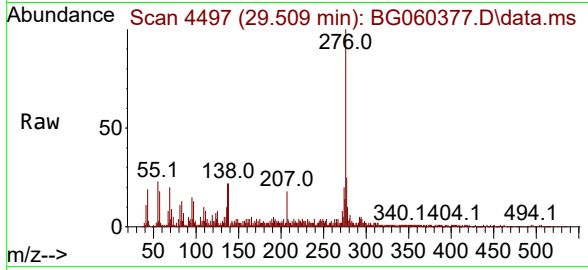
Tgt Ion:278 Resp: 186994
Ion Ratio Lower Upper
278 100
139 18.8 10.9 16.3#
279 31.7 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 8.317 ng m
RT: 29.509 min Scan# 44
Delta R.T. 0.028 min
Lab File: BG060377.D
Acq: 19 Jan 2024 20:23

Instrument :
BNA_G
ClientSampleId :
OR-03-011824



Tgt Ion: 276 Resp: 74190
Ion Ratio Lower Upper
276 100
277 24.6 19.4 29.0
138 21.6 14.2 21.4

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