

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061236.D
 Acq On : 17 May 2024 13:07
 Operator : MA/JU
 Sample : P2482-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SW-03-229

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 17 18:15:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	27682	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	110529	20.000	ng	#-0.03
39) Acenaphthene-d10	14.556	164	85867	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	194403	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	190694	20.000	ng	#-0.03
86) Perylene-d12	24.692	264	229933	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	134055	98.487	ng	-0.02
7) Phenol-d6	7.112	99	185052	91.903	ng	-0.02
23) Nitrobenzene-d5	9.086	82	137173	61.522	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	128234	74.714	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	333883	57.498	ng	-0.03
79) Terphenyl-d14	19.927	244	614268	53.573	ng	-0.03
Target Compounds						Qvalue
52) Acenaphthene	14.621	154	19076	4.516	ng	98
58) Fluorene	15.608	166	18906	3.062	ng	# 93
71) Phenanthrene	17.353	178	314919	35.428	ng	99
72) Anthracene	17.441	178	72780	8.206	ng	99
73) Carbazole	17.712	167	26031	3.338	ng	96
75) Fluoranthene	19.368	202	525107	43.121	ng	99
78) Pyrene	19.727	202	460493	37.983	ng	99
81) Benzo(a)anthracene	21.548	228	287039	23.003	ng	98
83) Chrysene	21.613	228	254853	21.799	ng	97
87) Indeno(1,2,3-cd)pyrene	28.246	276	155872	10.229	ng	99
88) Benzo(b)fluoranthene	23.705	252	325294	25.317	ng	# 99
89) Benzo(k)fluoranthene	23.763	252	106112m	8.584	ng	
90) Benzo(a)pyrene	24.545	252	236663	21.142	ng	98
91) Dibenzo(a,h)anthracene	28.276	278	42848	3.395	ng	# 82
92) Benzo(g,h,i)perylene	29.345	276	152866	12.190	ng	98

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

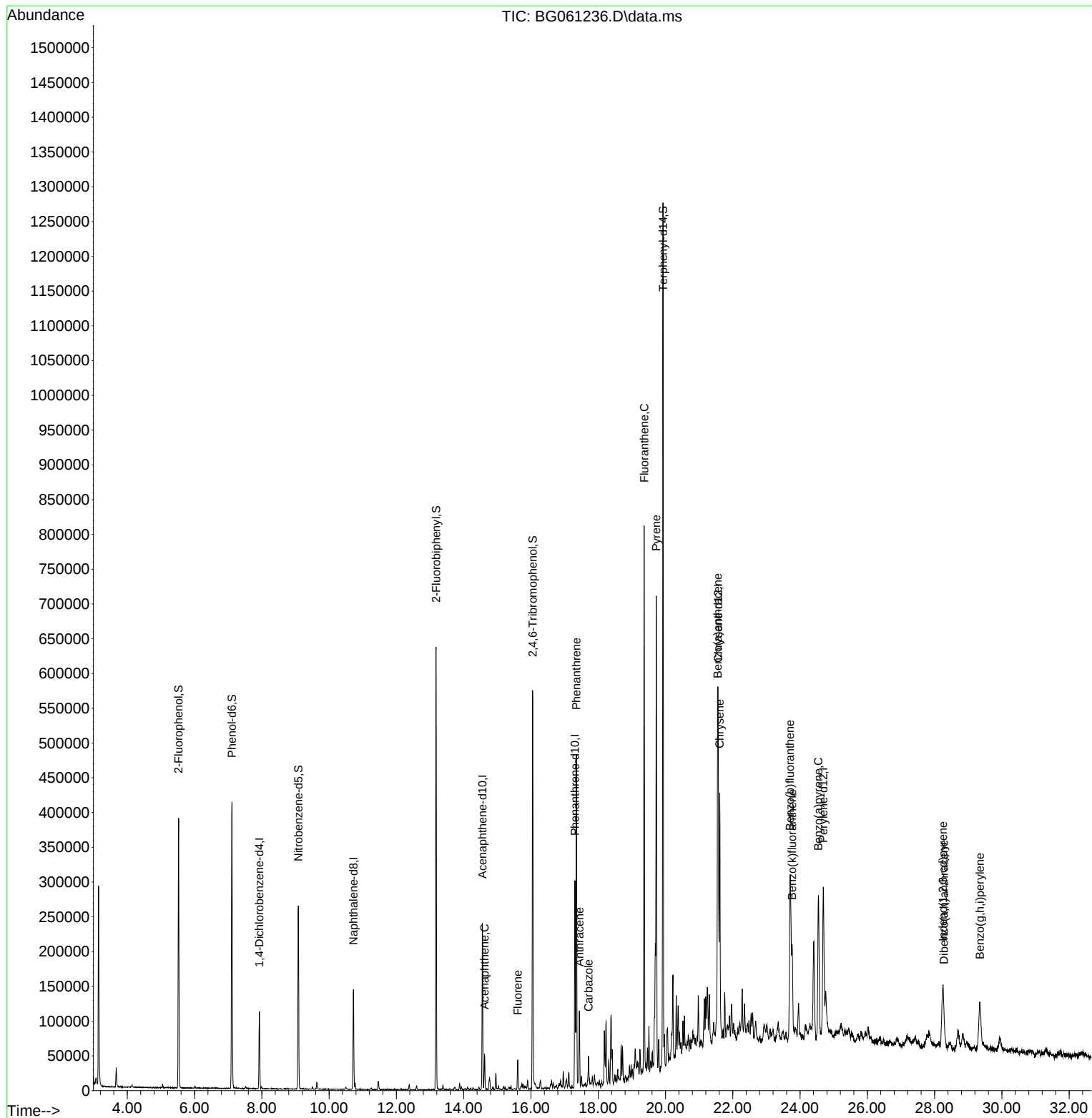
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061236.D
Acq On : 17 May 2024 13:07
Operator : MA/JU
Sample : P2482-04
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ALS Vial : 6 Sample Multiplier: 1

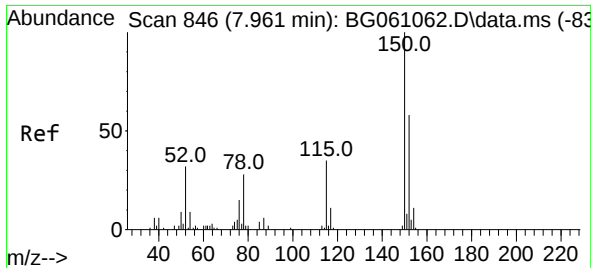
Instrument :
BNA_G
ClientSampleId :
SW-03-229

Quant Time: May 17 18:15:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

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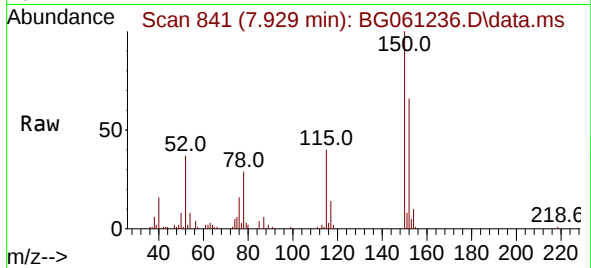
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 846
Delta R.T. -0.032 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

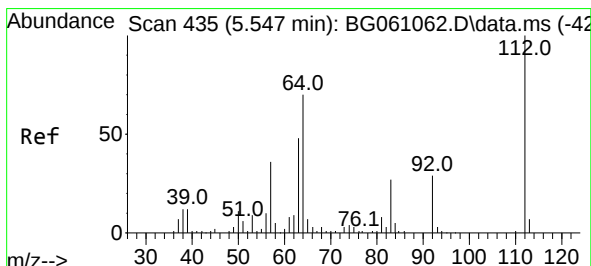
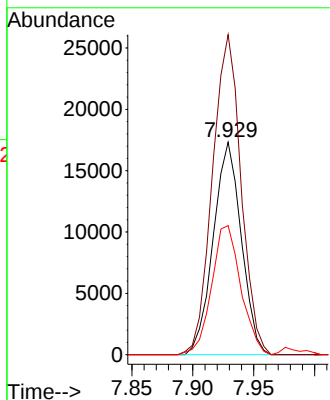
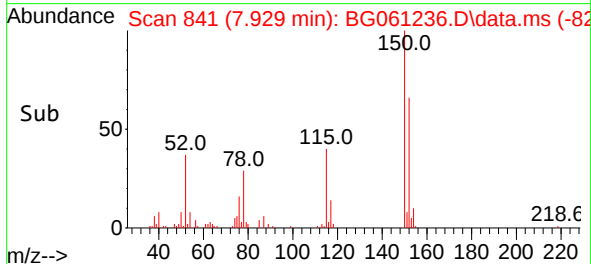
Instrument :
BNA_G
ClientSampleId :
SW-03-229



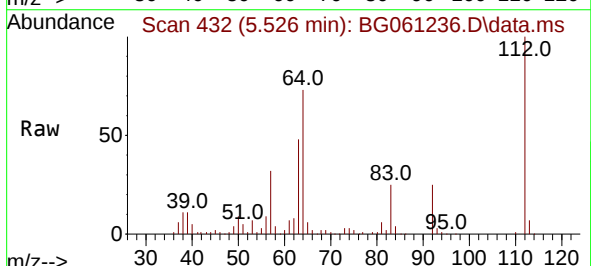
Tgt Ion:152 Resp: 2768
Ion Ratio Lower Upper
152 100
150 150.6 138.3 207.5
115 60.8 48.0 72.0

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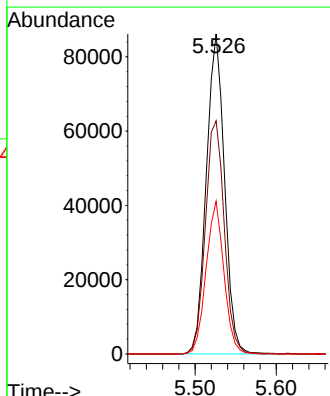
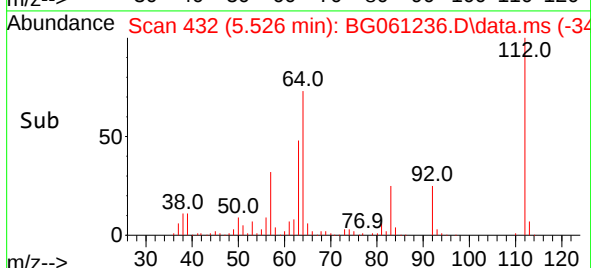
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#5
2-Fluorophenol
Concen: 98.487 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07



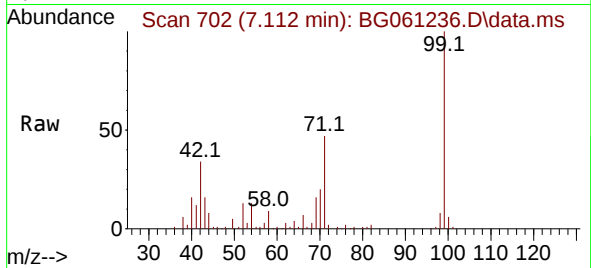
Tgt Ion:112 Resp: 134055
Ion Ratio Lower Upper
112 100
64 72.9 55.7 83.5
63 47.7 38.1 57.1





#7
Phenol-d6
Concen: 91.903 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

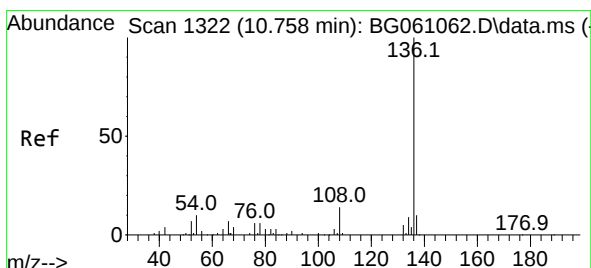
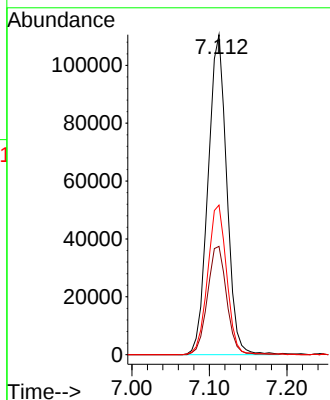
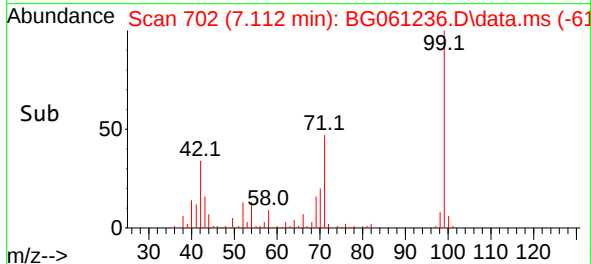
Instrument :
BNA_G
ClientSampleId :
SW-03-229



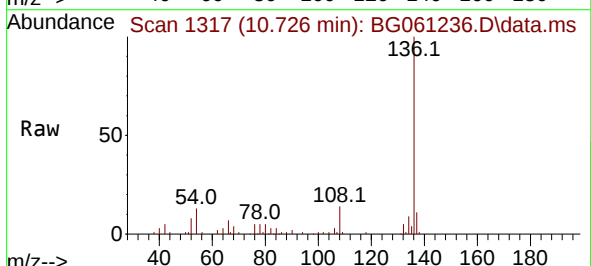
Tgt Ion: 99 Resp: 185052
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 46.7 39.7 59.5

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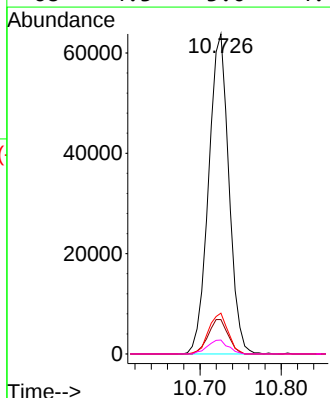
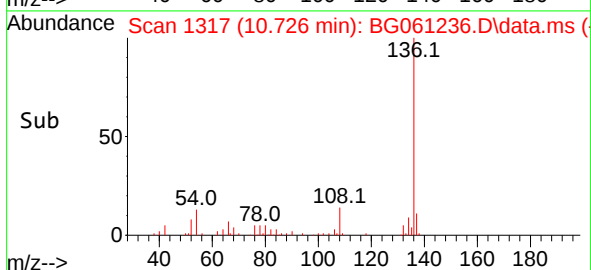
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07



Tgt Ion:136 Resp: 110529
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 12.8 8.1 12.1#
68 4.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 61.522 ng

RT: 9.086 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

Instrument :

BNA_G

ClientSampleId :

SW-03-229

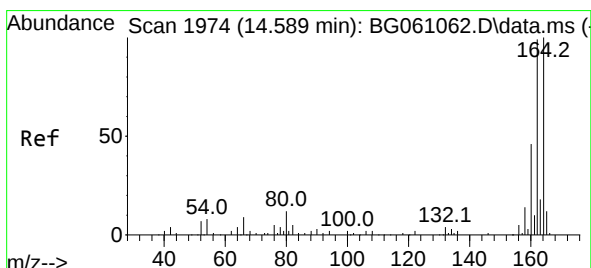
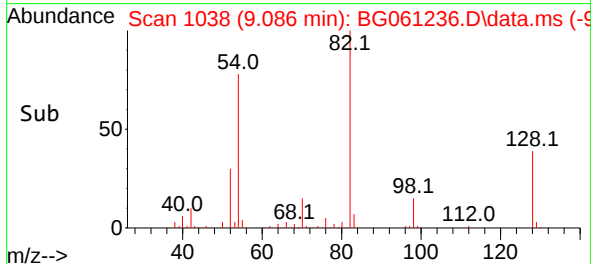
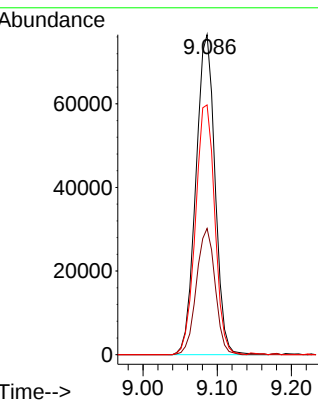
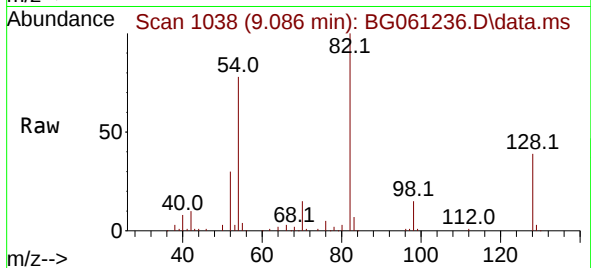
Tgt Ion: 82 Resp: 13717

Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.7	49.1
54	78.1	65.6	98.4

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Supervised By :mohammad ahmed 05/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.556 min Scan# 1969

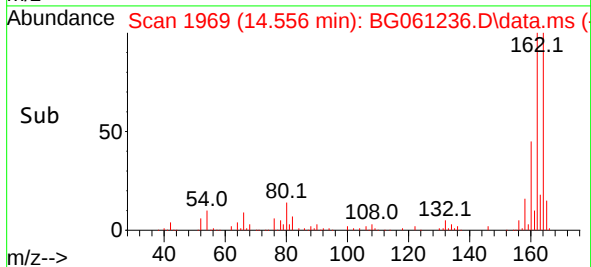
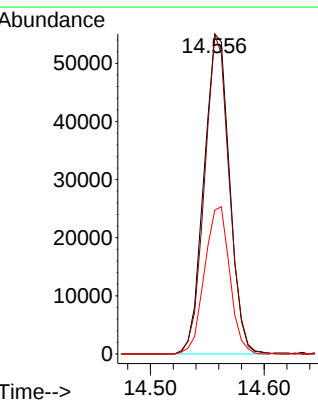
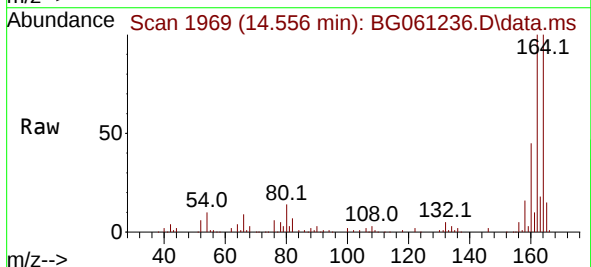
Delta R.T. -0.032 min

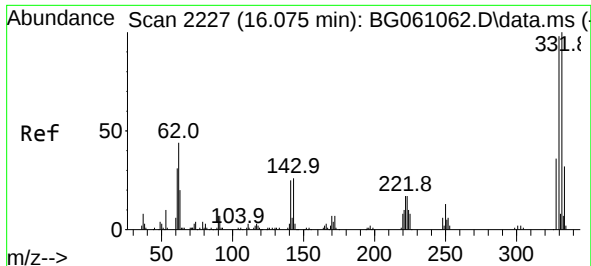
Lab File: BG061236.D

Acq: 17 May 2024 13:07

Tgt Ion:164 Resp: 85867

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.4	119.2
160	45.0	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 74.714 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

Instrument :

BNA_G

ClientSampleId :

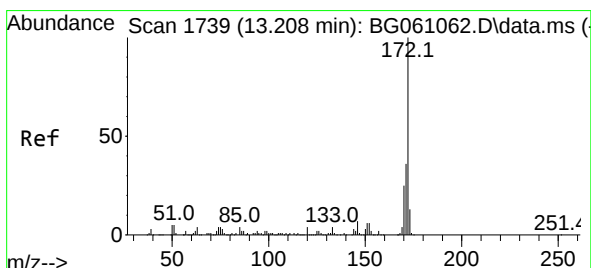
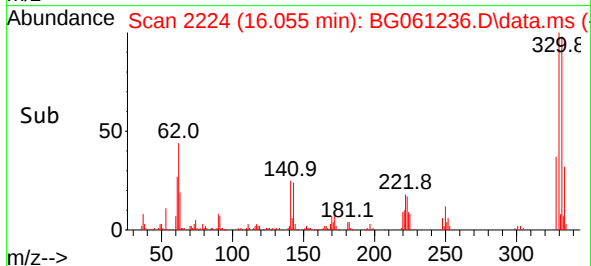
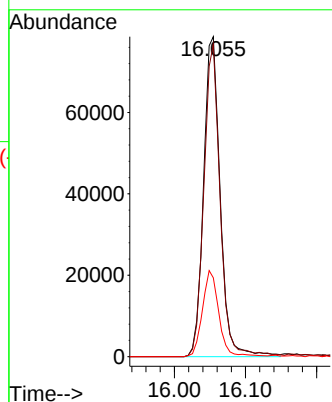
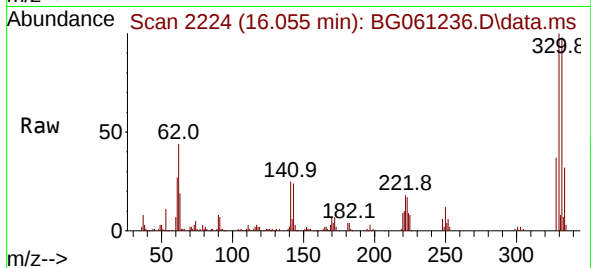
SW-03-229

Tgt Ion:330 Resp: 128234
Ion Ratio Lower Upper
330 100
332 95.7 78.6 117.8
141 26.6 20.5 30.7

Manual Integrations

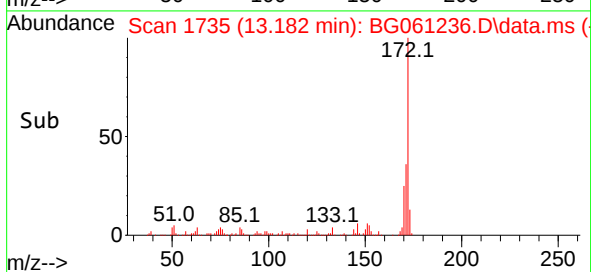
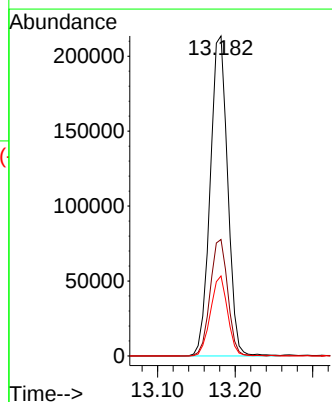
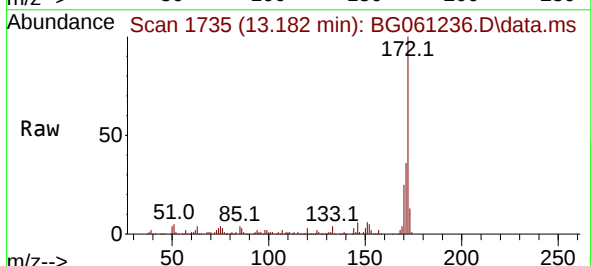
APPROVED

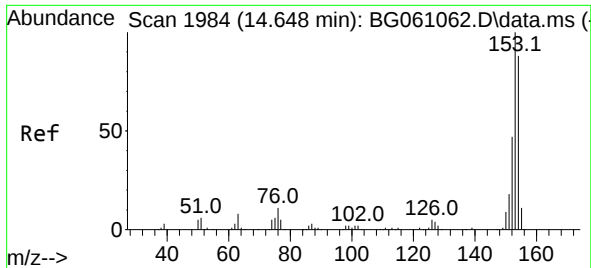
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#45
2-Fluorobiphenyl
Concen: 57.498 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.027 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

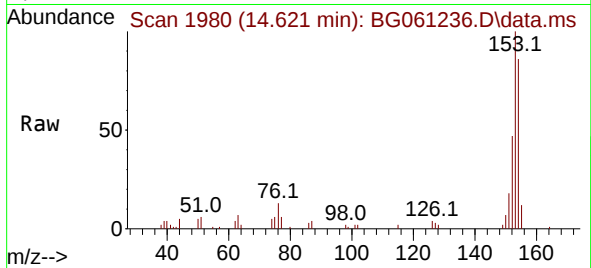
Tgt Ion:172 Resp: 333883
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 25.0 20.2 30.4





#52
Acenaphthene
Concen: 4.516 ng
RT: 14.621 min Scan# 1984
Delta R.T. -0.027 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

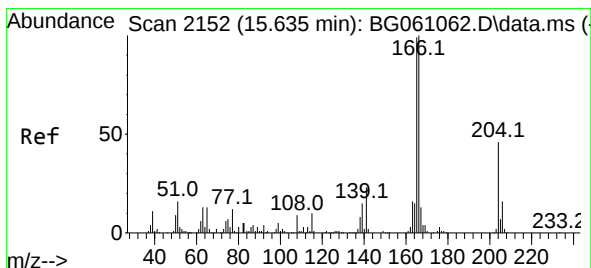
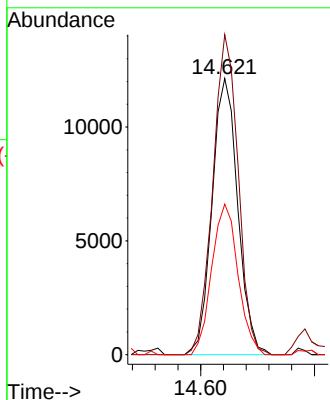
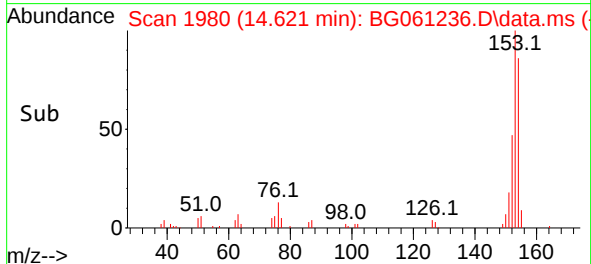
Instrument :
BNA_G
ClientSampleId :
SW-03-229



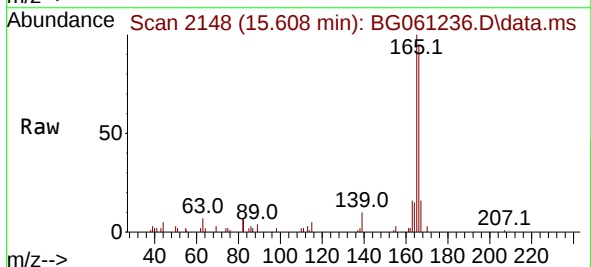
Tgt Ion:154 Resp: 1907
Ion Ratio Lower Upper
154 100
153 115.9 91.0 136.4
152 54.5 43.1 64.7

Manual Integrations
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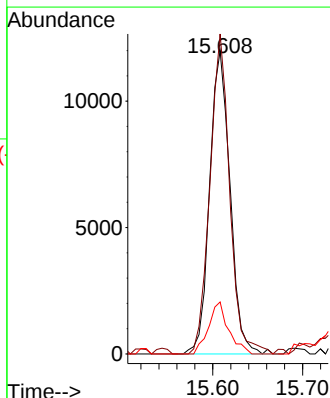
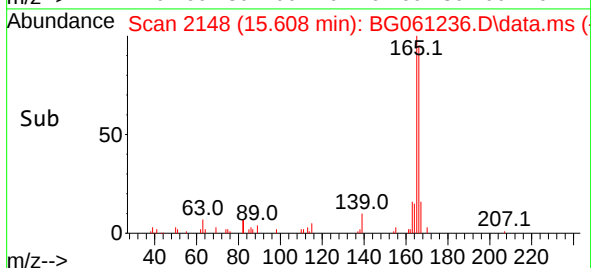
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

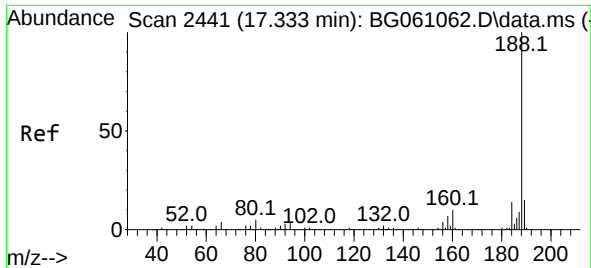


#58
Fluorene
Concen: 3.062 ng
RT: 15.608 min Scan# 2148
Delta R.T. -0.027 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07



Tgt Ion:166 Resp: 18906
Ion Ratio Lower Upper
166 100
165 105.6 78.9 118.3
167 17.2 10.6 15.8#





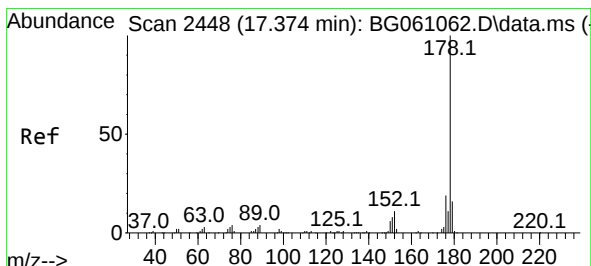
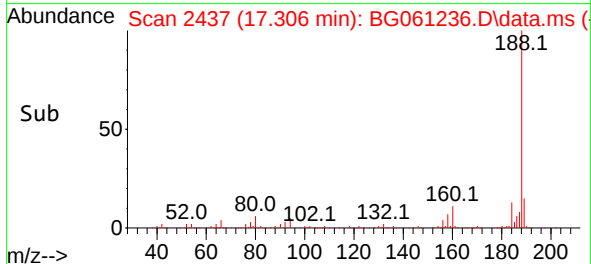
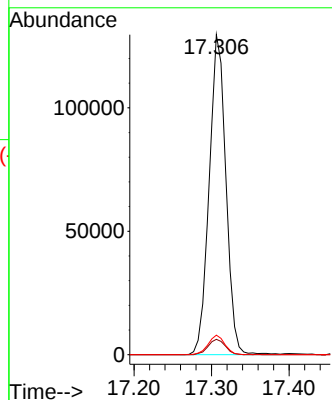
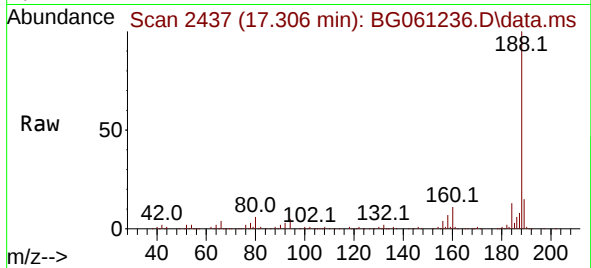
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2440
Delta R.T. -0.027 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

Instrument :
BNA_G
ClientSampleId :
SW-03-229

Tgt Ion:188 Resp: 19440
Ion Ratio Lower Upper
188 100
94 4.8 3.6 5.4
80 6.1 4.2 6.2

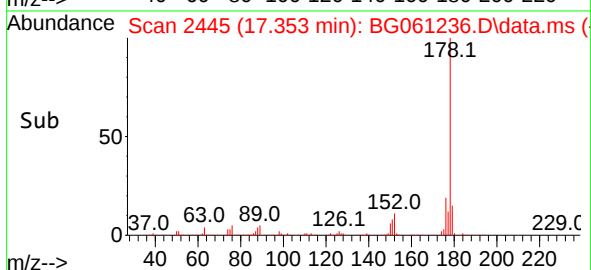
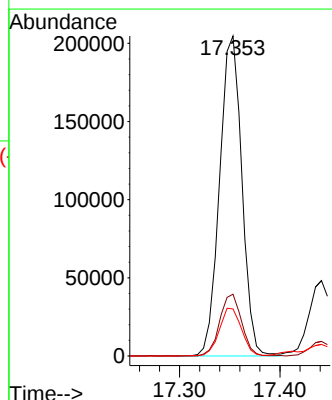
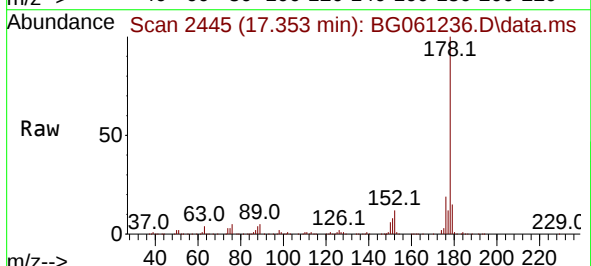
Manual Integrations
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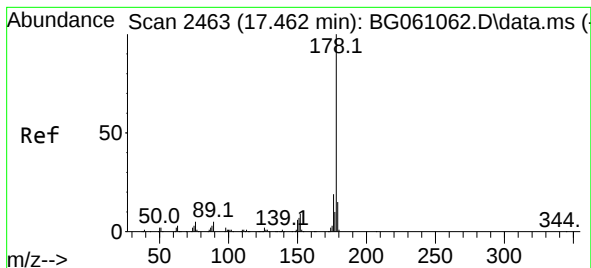
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#71
Phenanthrene
Concen: 35.428 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

Tgt Ion:178 Resp: 314919
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.7 12.6 19.0





#72

Anthracene

Concen: 8.206 ng

RT: 17.441 min Scan# 2460

Delta R.T. -0.021 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

Instrument :

BNA_G

ClientSampleId :

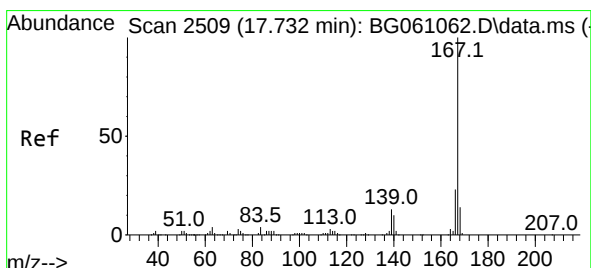
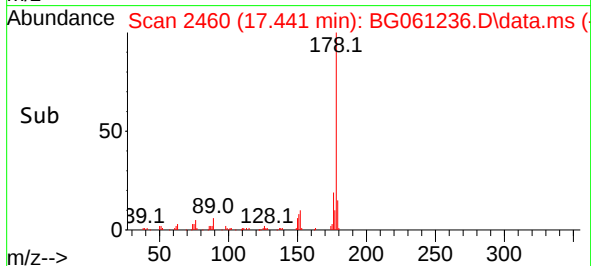
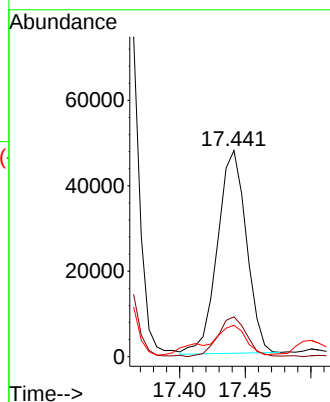
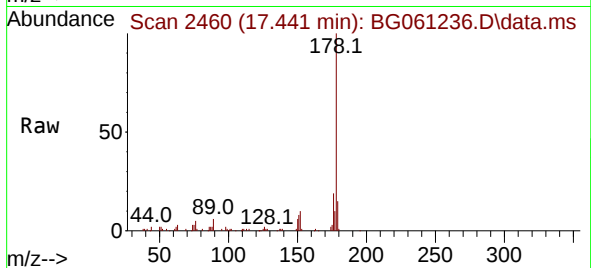
SW-03-229

Tgt Ion:178	Resp:	72780
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.0 22.6
179	15.2	12.0 18.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#73

Carbazole

Concen: 3.338 ng

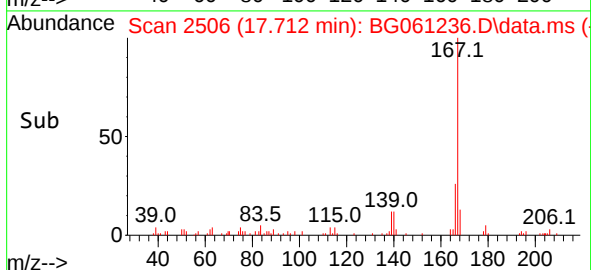
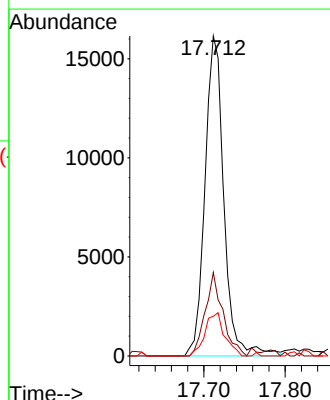
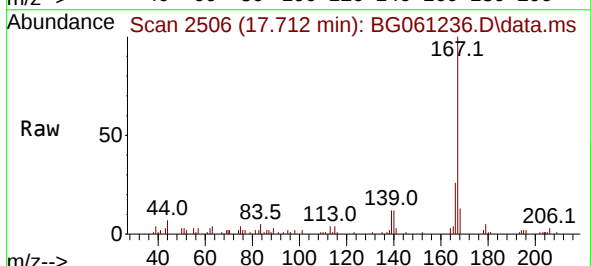
RT: 17.712 min Scan# 2506

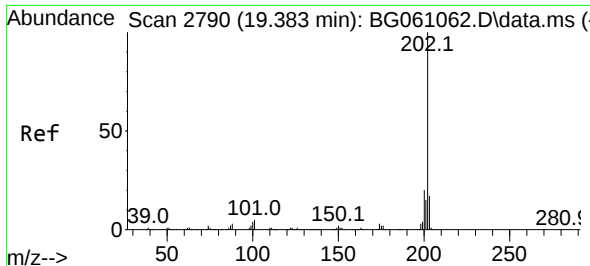
Delta R.T. -0.021 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

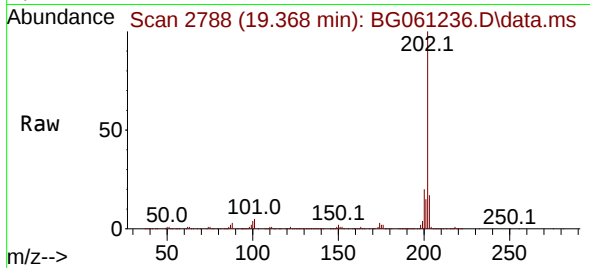
Tgt Ion:167	Resp:	26031
Ion Ratio	Lower	Upper
167	100	
166	26.1	18.7 28.1
139	12.4	10.6 15.8





#75
Fluoranthene
Concen: 43.121 ng
RT: 19.368 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

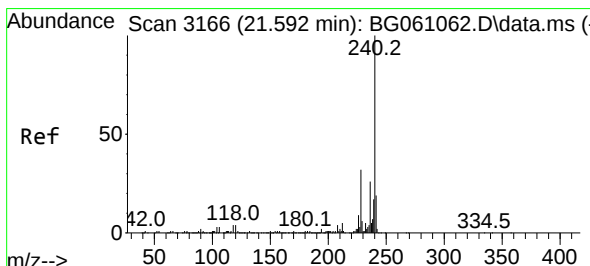
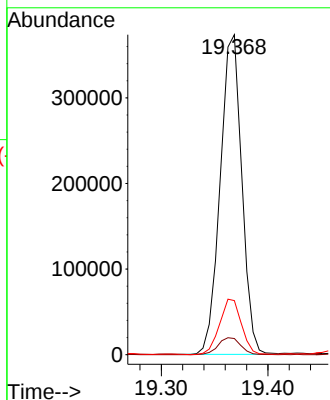
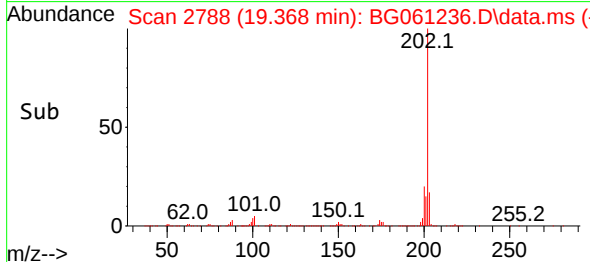
Instrument :
BNA_G
ClientSampleId :
SW-03-229



Tgt Ion:202 Resp: 52510
Ion Ratio Lower Upper
202 100
101 5.1 0.0 24.7
203 16.9 0.0 37.1

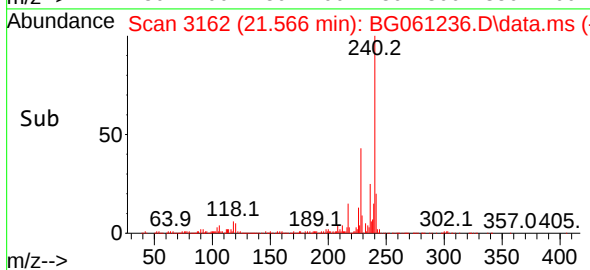
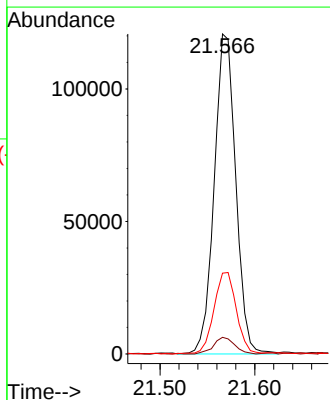
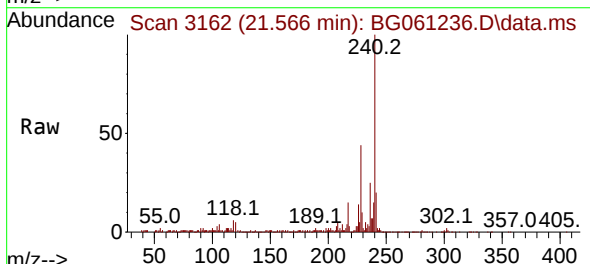
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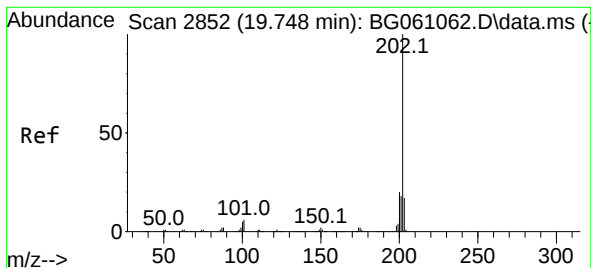
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

Tgt Ion:240 Resp: 190694
Ion Ratio Lower Upper
240 100
120 5.2 3.2 4.8#
236 25.3 21.0 31.6





#78

Pyrene

Concen: 37.983 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

Instrument :

BNA_G

ClientSampleId :

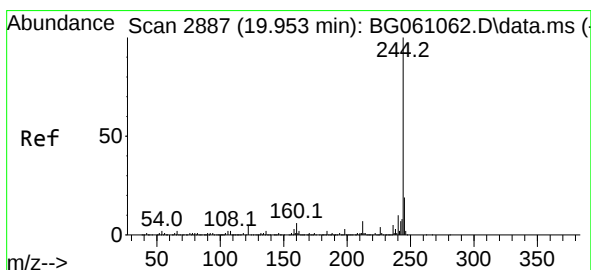
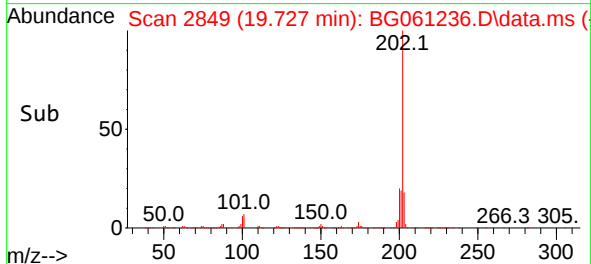
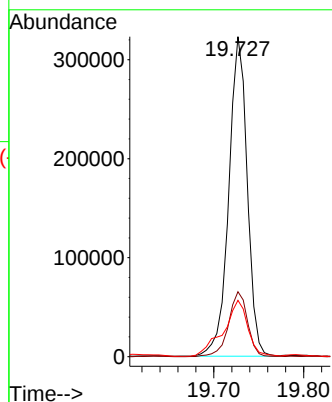
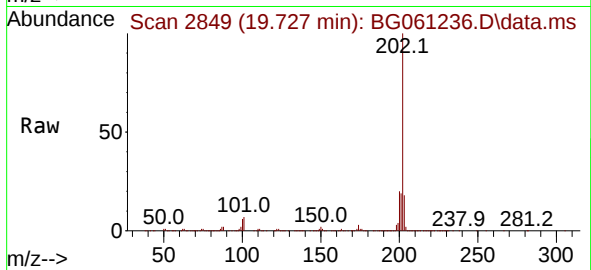
SW-03-229

Tgt Ion:	202	Resp:	46049
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.2	24.4
203	17.6	13.3	19.9

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#79

Terphenyl-d14

Concen: 53.573 ng

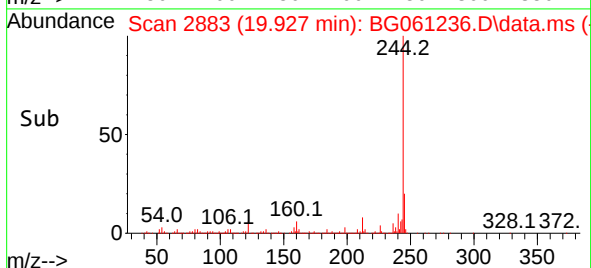
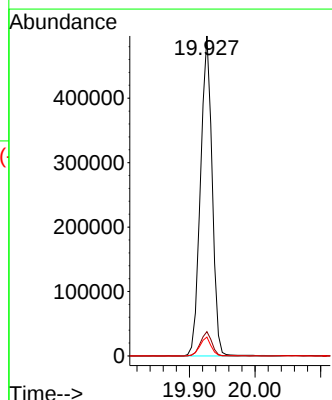
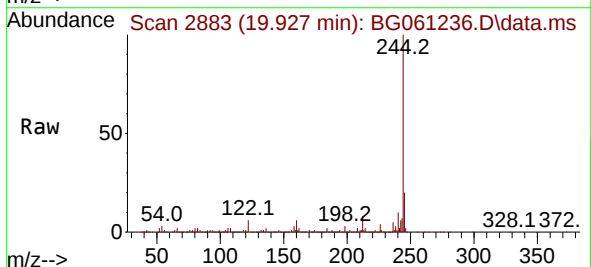
RT: 19.927 min Scan# 2883

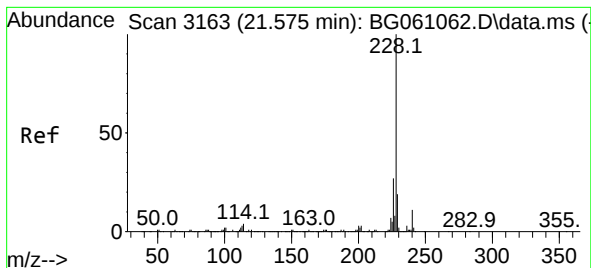
Delta R.T. -0.027 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

Tgt Ion:	244	Resp:	614268
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.7	8.5
122	5.9	4.2	6.2





#81

Benzo(a)anthracene

Concen: 23.003 ng

RT: 21.548 min Scan# 3159

Delta R.T. -0.027 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

Instrument :

BNA_G

ClientSampleId :

SW-03-229

Tgt Ion:228 Resp: 287039

Ion Ratio Lower Upper

228 100

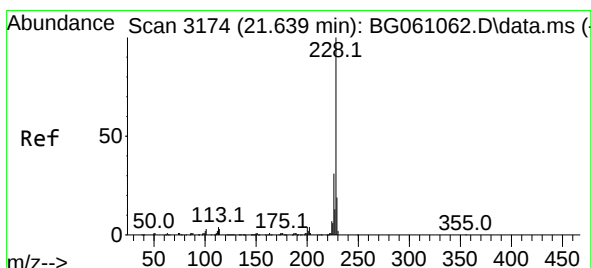
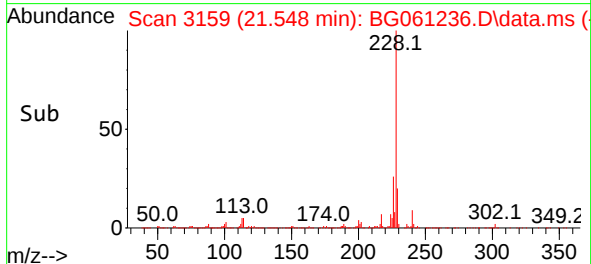
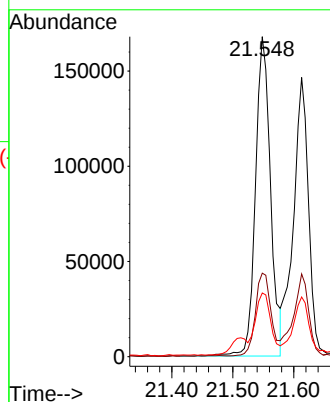
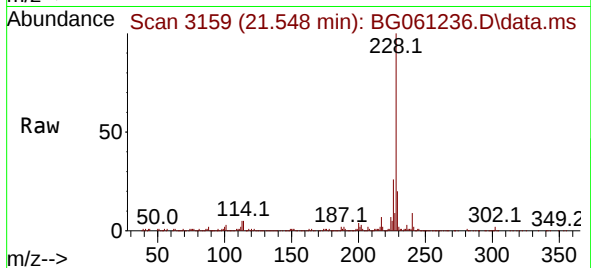
226 26.1 21.6 32.4

229 19.9 15.0 22.4

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#83

Chrysene

Concen: 21.799 ng

RT: 21.613 min Scan# 3170

Delta R.T. -0.027 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

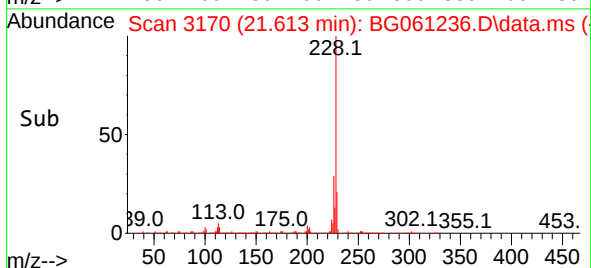
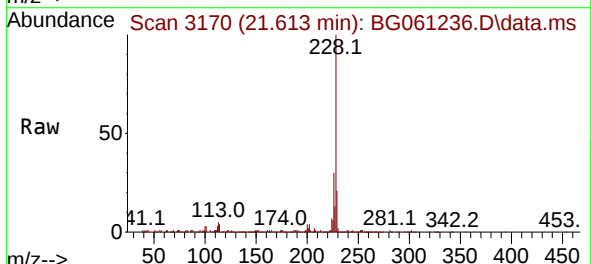
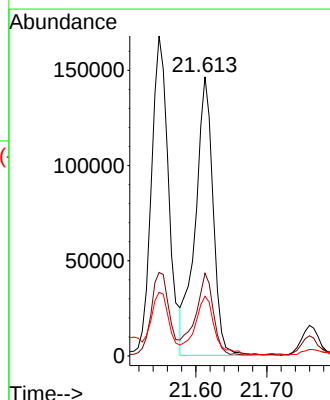
Tgt Ion:228 Resp: 254853

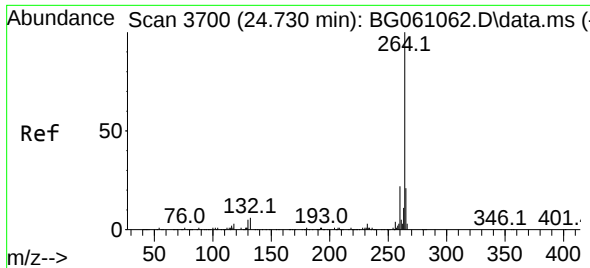
Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

229 21.4 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.692 min Scan# 30
Delta R.T. -0.038 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

Instrument :

BNA_G

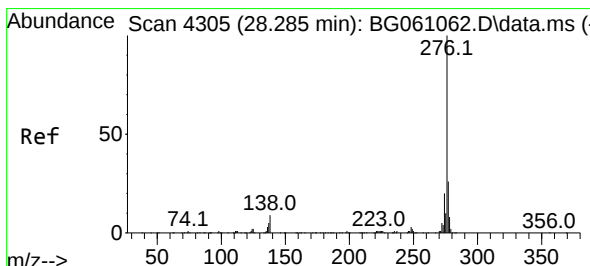
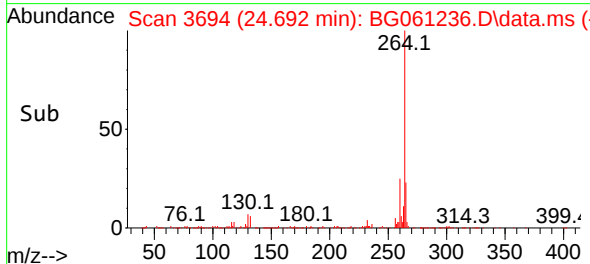
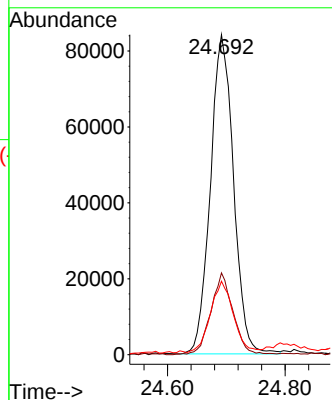
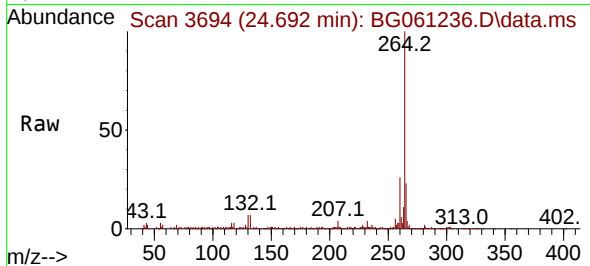
ClientSampleId :

SW-03-229

Tgt Ion:264 Resp: 22993
Ion Ratio Lower Upper
264 100
260 25.5 17.7 26.5
265 22.9 16.4 24.6

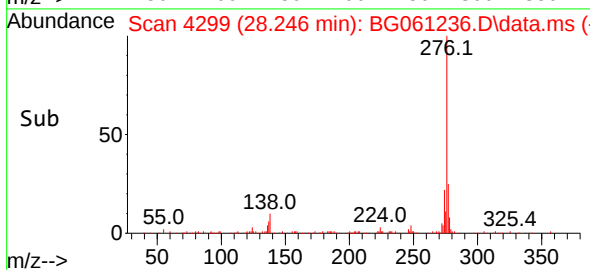
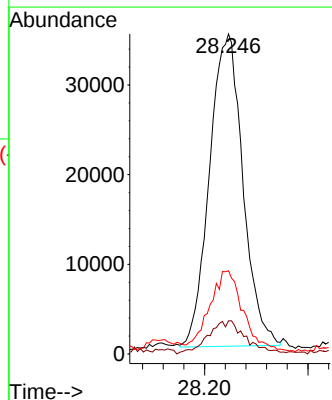
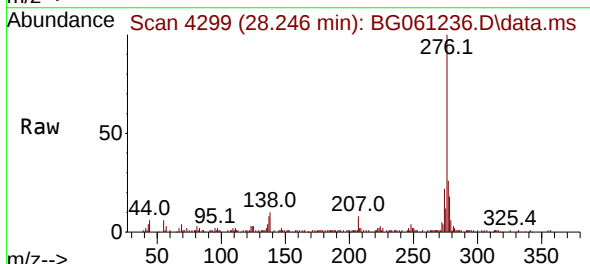
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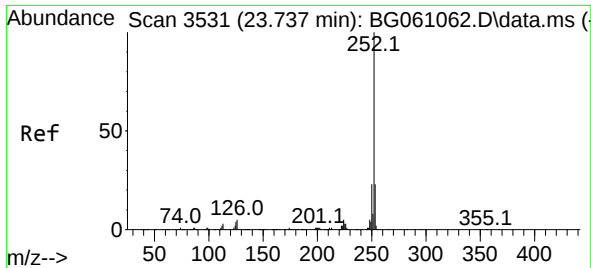
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.229 ng
RT: 28.246 min Scan# 4299
Delta R.T. -0.038 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

Tgt Ion:276 Resp: 155872
Ion Ratio Lower Upper
276 100
138 5.9 5.1 7.7
277 26.3 20.6 30.8





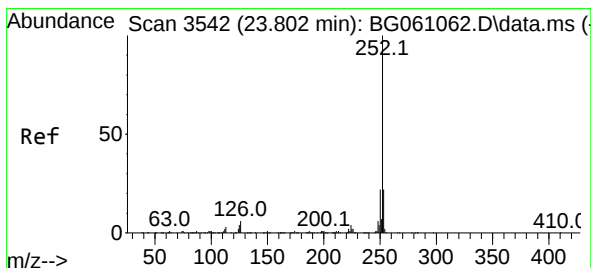
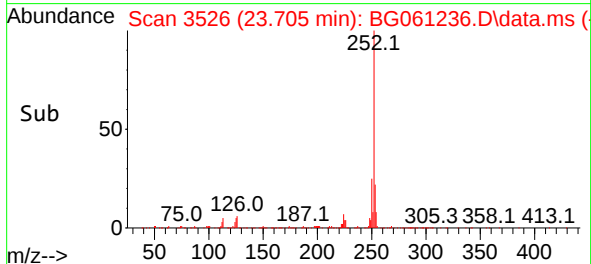
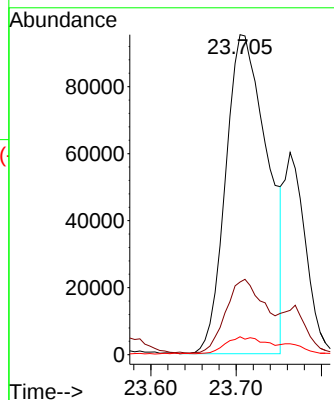
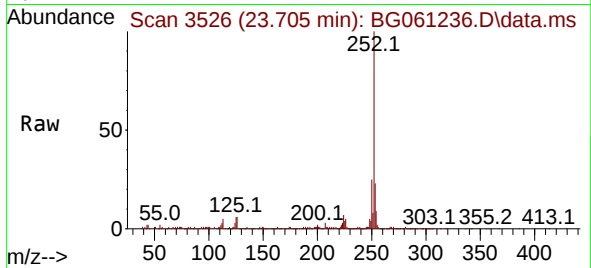
#88
Benzo(b)fluoranthene
Concen: 25.317 ng
RT: 23.705 min Scan# 3529
Delta R.T. -0.032 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

Instrument :
BNA_G
ClientSampleId :
SW-03-229

Tgt Ion:252 Resp: 325294
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 5.6 3.4 5.0

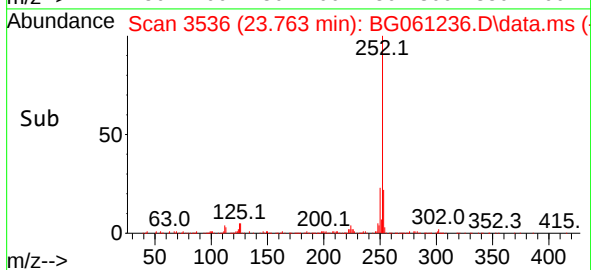
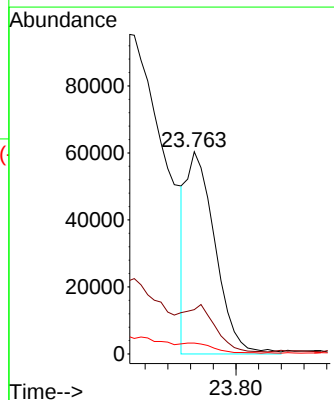
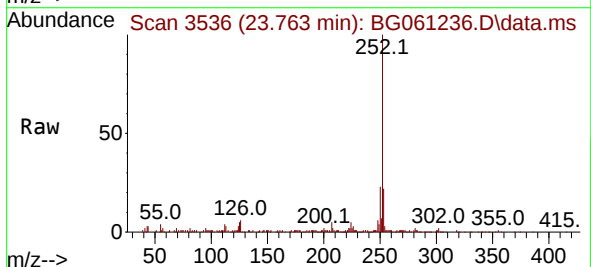
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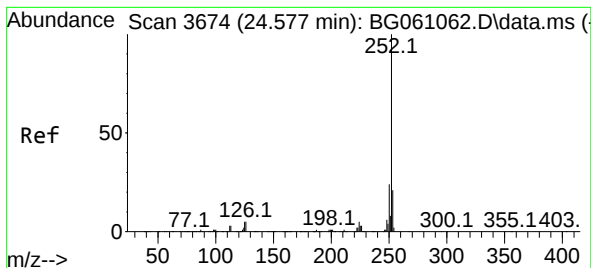
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#89
Benzo(k)fluoranthene
Concen: 8.584 ng m
RT: 23.763 min Scan# 3536
Delta R.T. -0.038 min
Lab File: BG061236.D
Acq: 17 May 2024 13:07

Tgt Ion:252 Resp: 106112
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 5.4 3.2 4.8





#90

Benzo(a)pyrene

Concen: 21.142 ng

RT: 24.545 min Scan# 30

Delta R.T. -0.032 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

Instrument :

BNA_G

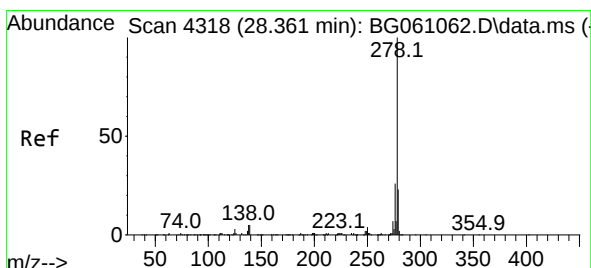
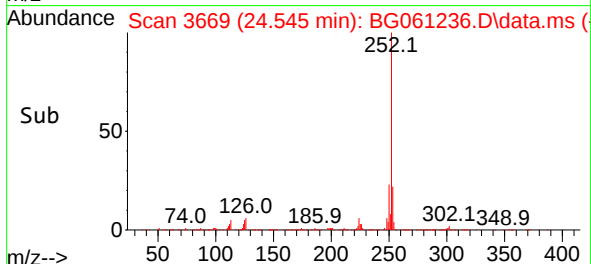
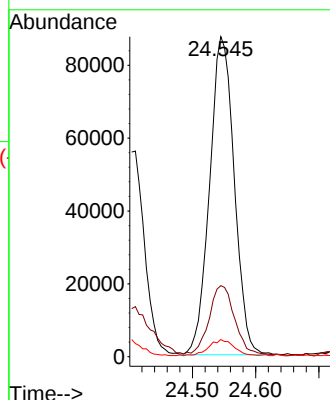
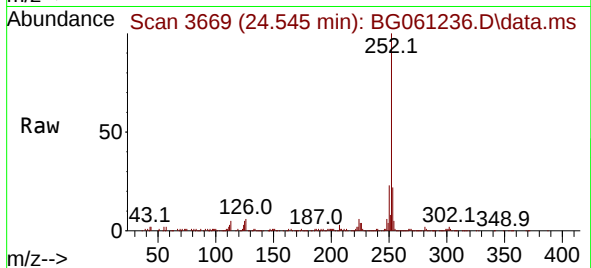
ClientSampleId :

SW-03-229

Tgt Ion:252 Resp: 23666
 Ion Ratio Lower Upper
 252 100
 253 22.2 16.9 25.3
 125 5.4 3.8 5.8

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 Supervised By :mohammad ahmed 05/22/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.395 ng

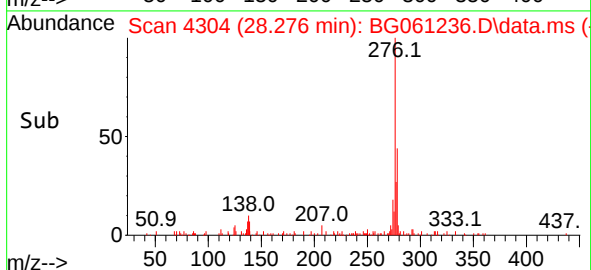
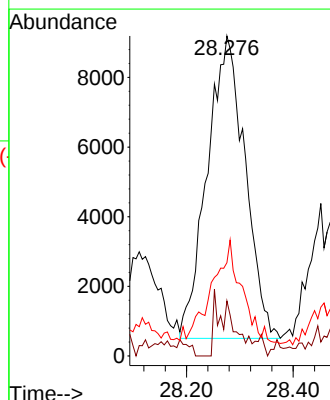
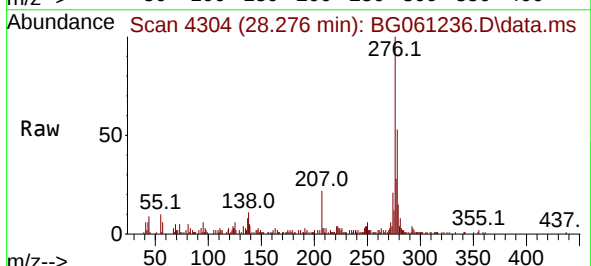
RT: 28.276 min Scan# 4304

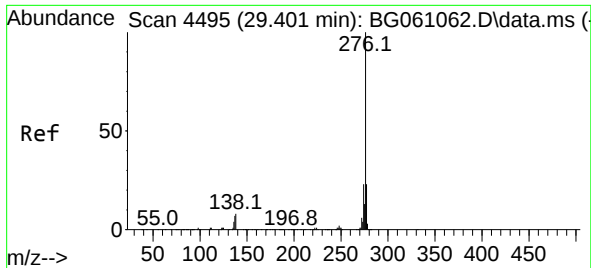
Delta R.T. -0.085 min

Lab File: BG061236.D

Acq: 17 May 2024 13:07

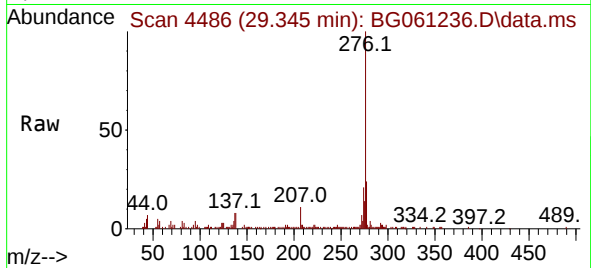
Tgt Ion:278 Resp: 42848
 Ion Ratio Lower Upper
 278 100
 139 17.2 4.2 6.2#
 279 29.1 18.0 27.0#





#92
 Benzo(g,h,i)perylene
 Concen: 12.190 ng
 RT: 29.345 min Scan# 44
 Delta R.T. -0.056 min
 Lab File: BG061236.D
 Acq: 17 May 2024 13:07

Instrument :
 BNA_G
 ClientSampleId :
 SW-03-229



Tgt Ion:276 Resp: 152860
 Ion Ratio Lower Upper
 276 100
 277 24.1 18.2 27.4
 138 7.9 6.2 9.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

