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 Data File : BG059015.D
 Acq On : 12 Sep 2023 17:57
 Operator : MA/JU
 Sample : 04235-02RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EZYD9RE

Quant Time: Sep 13 00:14:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 12 23:54:19 2023
 Response via : Initial Calibration

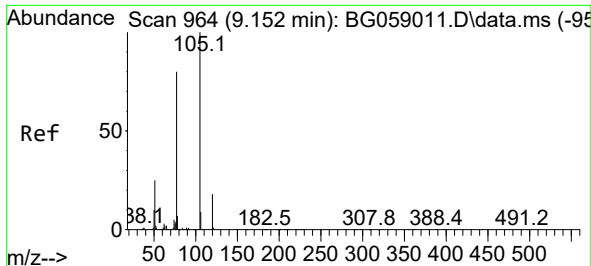
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.312	152	96519	20.000	ng/u1	0.00
20) Naphthalene-d8	11.155	136	475110	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.933	164	364700	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.689	188	989429	20.000	ng/u1	# 0.00
79) Chrysene-d12	22.007	240	896027	20.000	ng/u1	0.00
88) Perylene-d12	25.568	264	1024135	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.629	96	9040	3.981	ng/uL	0.00
4) Pyridine-d5	4.070	84	12655	1.760	ng/u1	0.01
7) Phenol-d5	7.419	99	108740	11.172	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.630	67	118462	20.756	ng/u1	0.00
11) 2-Chlorophenol-d4	7.830	132	22135	3.546	ng/u1	0.00
15) 4-Methylphenol-d8	8.987	113	99775	13.269	ng/u1	0.00
21) Nitrobenzene-d5	9.504	128	63021	18.287	ng/u1	0.00
24) 2-Nitrophenol-d4	10.233	143	6732m	1.780	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.744	165	13930	1.733	ng/u1	0.00
31) 4-Chloroaniline-d4	11.296	131	159417	14.750	ng/u1	0.00
46) Dimethylphthalate-d6	14.328	166	605155	21.392	ng/u1	0.00
49) Acenaphthylene-d8	14.640	160	655834	20.819	ng/u1	0.00
54) 4-Nitrophenol-d4	15.098	143	473	0.101	ng/u1	-0.01
60) Fluorene-d10	15.926	176	563341	22.439	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.020	200	314	0.065	ng/u1	-0.01
73) Anthracene-d10	17.783	188	852057	19.399	ng/u1	0.00
81) Pyrene-d10	20.057	212	1145191	24.127	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.315	264	1121085	22.331	ng/u1	0.00
Target Compounds					Qvalue	
16) Acetophenone	9.158	105	72530m	5.818	ng/u1	
72) Phenanthrene	17.730	178	225641	4.493	ng/u1	97
80) Fluoranthene	19.722	202	825756m	14.981	ng/u1	
82) Pyrene	20.086	202	649773	11.339	ng/u1#	94
85) Benzo(a)anthracene	21.984	228	374372	6.230	ng/u1	98
87) Chrysene	22.060	228	465835	8.339	ng/u1	99
90) Benzo(b)fluoranthene	24.410	252	686094m	11.246	ng/u1	
91) Benzo(k)fluoranthene	24.481	252	244386	3.920	ng/u1#	98
93) Benzo(a)pyrene	25.386	252	331967	5.832	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	29.669	276	380979	5.297	ng/u1	98
95) Dibenzo(a,h)anthracene	29.757	278	113423m	1.903	ng/u1	
96) Benzo(g,h,i)perylene	30.979	276	392269m	6.891	ng/u1	

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



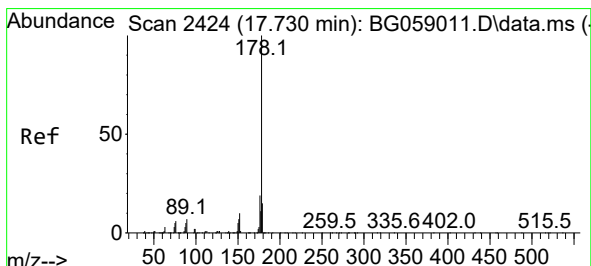
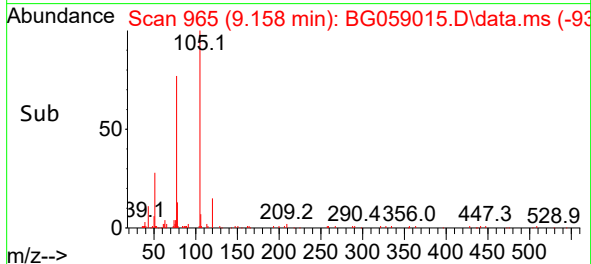
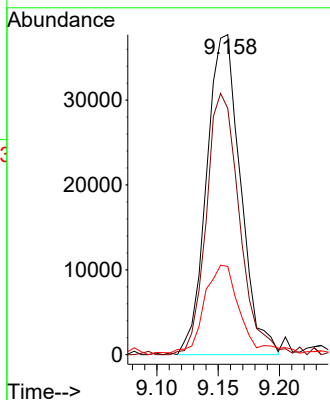
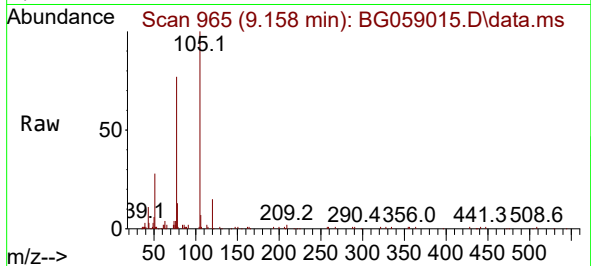
#16
Acetophenone
Concen: 5.818 ng/ul m
RT: 9.158 min Scan# 9
Delta R.T. 0.006 min
Lab File: BG059015.D
Acq: 12 Sep 2023 17:57

Instrument :
BNA_G
ClientSampleId :
EZYD9RE

Tgt Ion:105 Resp: 72530
Ion Ratio Lower Upper
105 100
77 77.0 67.3 100.9
51 27.6 19.3 28.9

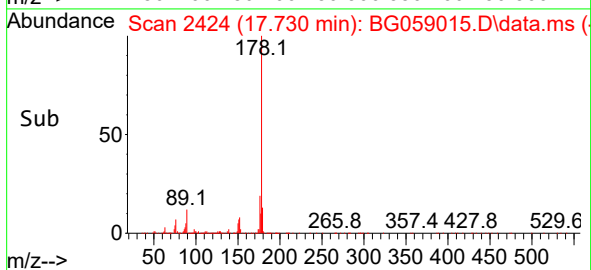
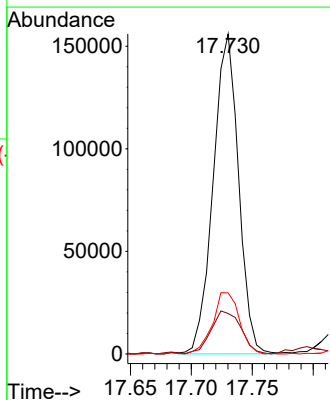
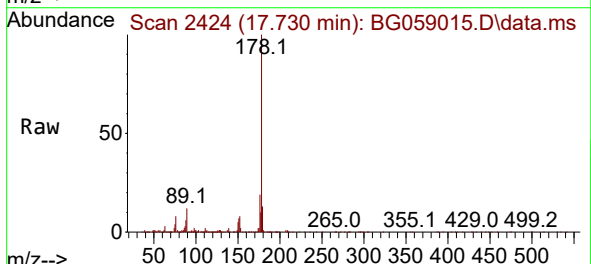
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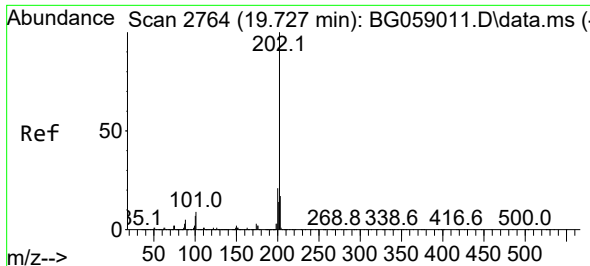
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#72
Phenanthrene
Concen: 4.493 ng/ul
RT: 17.730 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BG059015.D
Acq: 12 Sep 2023 17:57

Tgt Ion:178 Resp: 225641
Ion Ratio Lower Upper
178 100
179 12.7 11.8 17.8
176 19.1 15.1 22.7





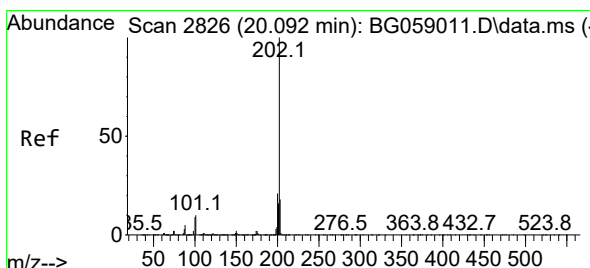
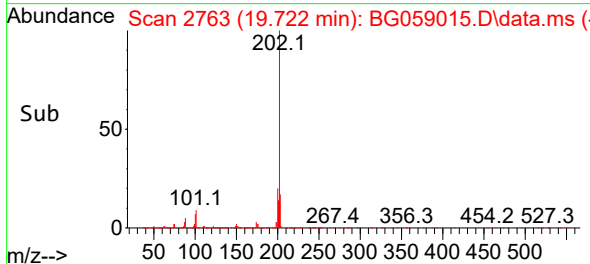
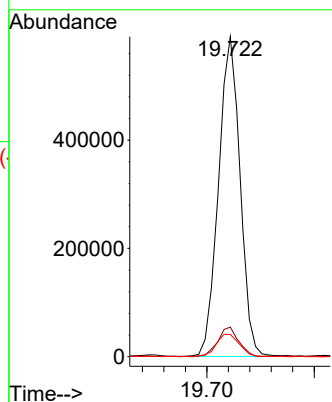
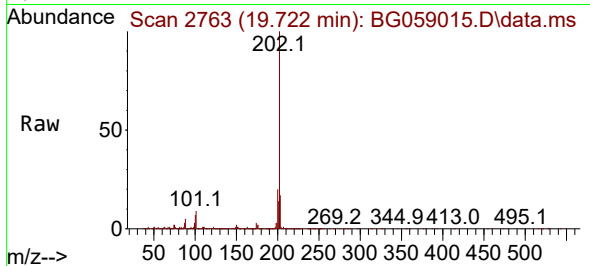
#80
Fluoranthene
Concen: 14.981 ng/ul m
RT: 19.722 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG059015.D
Acq: 12 Sep 2023 17:57

Instrument :
BNA_G
ClientSampleId :
EZYD9RE

Tgt Ion:202 Resp: 825750
Ion Ratio Lower Upper
202 100
101 9.3 6.1 9.1
100 7.0 5.9 8.9

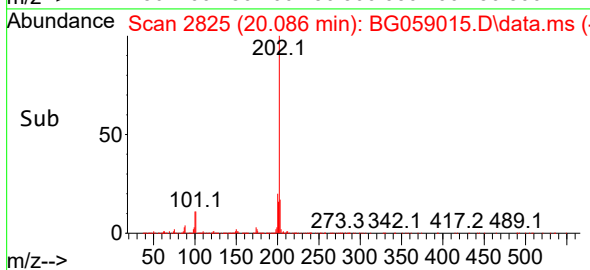
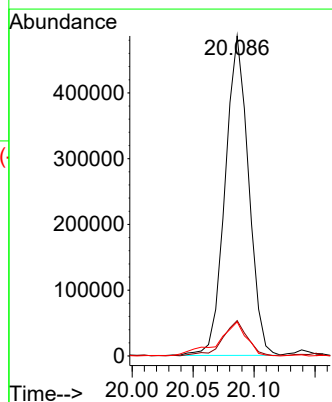
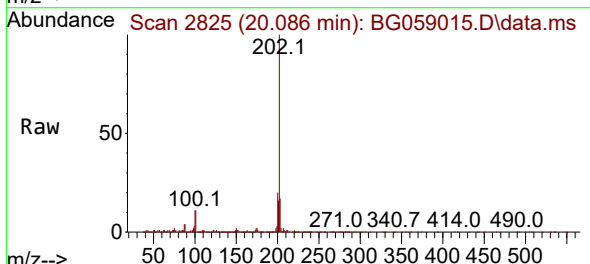
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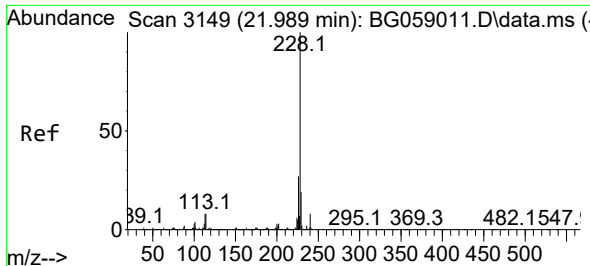
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#82
Pyrene
Concen: 11.339 ng/ul
RT: 20.086 min Scan# 2825
Delta R.T. -0.005 min
Lab File: BG059015.D
Acq: 12 Sep 2023 17:57

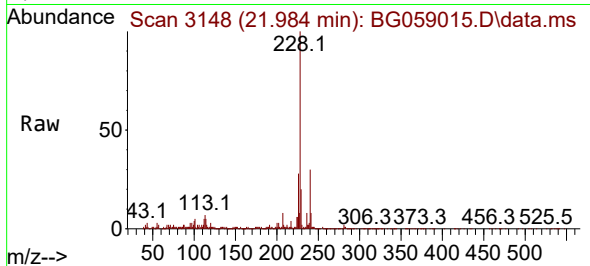
Tgt Ion:202 Resp: 649773
Ion Ratio Lower Upper
202 100
101 11.0 7.5 11.3
100 10.6 6.3 9.5





#85
Benzo(a)anthracene
Concen: 6.230 ng/u1
RT: 21.984 min Scan# 3149
Delta R.T. -0.005 min
Lab File: BG059015.D
Acq: 12 Sep 2023 17:57

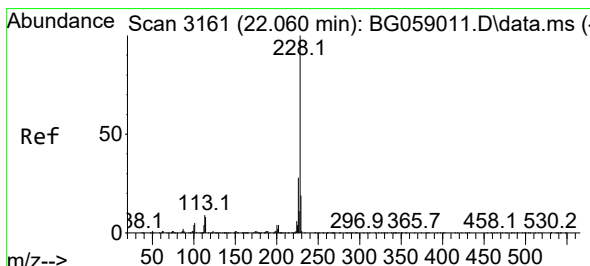
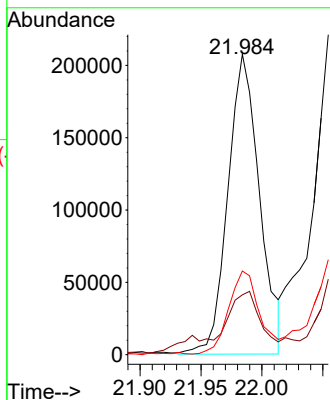
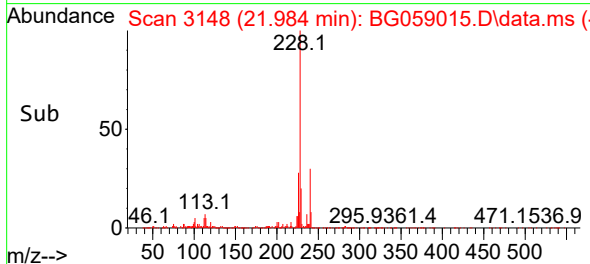
Instrument :
BNA_G
ClientSampleId :
EZYD9RE



Tgt Ion:228 Resp: 374372
Ion Ratio Lower Upper
228 100
229 19.9 16.0 24.0
226 27.8 20.8 31.2

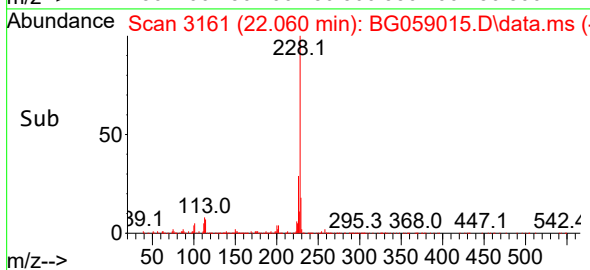
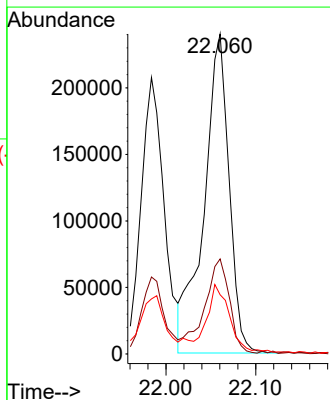
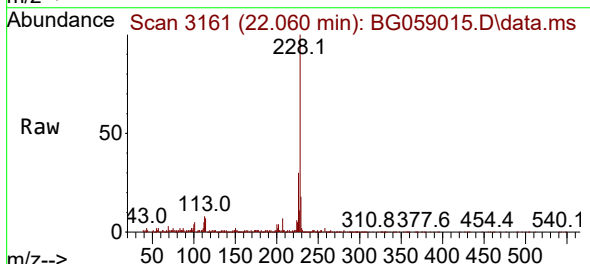
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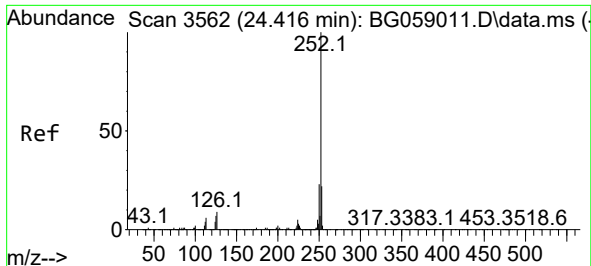
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#87
Chrysene
Concen: 8.339 ng/u1
RT: 22.060 min Scan# 3161
Delta R.T. 0.000 min
Lab File: BG059015.D
Acq: 12 Sep 2023 17:57

Tgt Ion:228 Resp: 465835
Ion Ratio Lower Upper
228 100
226 29.7 23.2 34.8
229 18.5 15.3 22.9





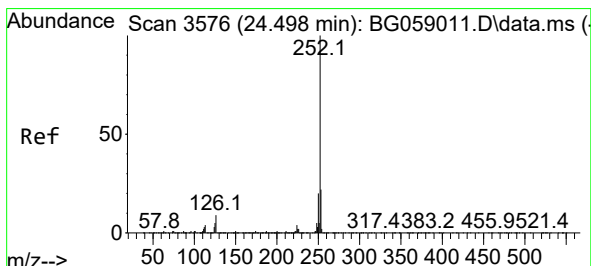
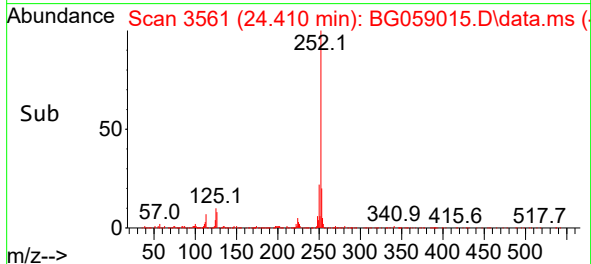
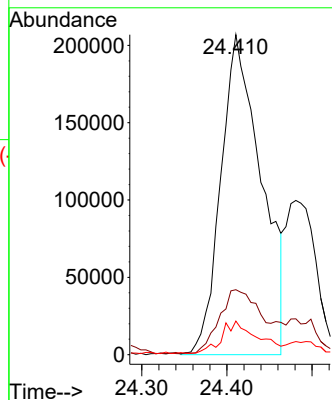
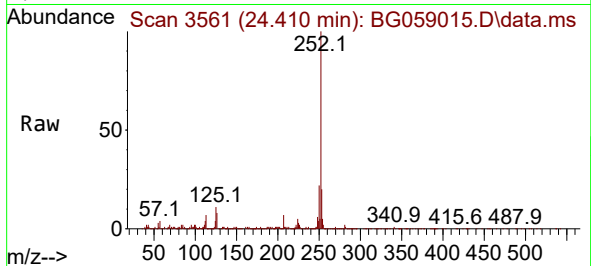
#90
Benzo(b)fluoranthene
Concen: 11.246 ng/ul m
RT: 24.410 min Scan# 3562
Delta R.T. -0.006 min
Lab File: BG059015.D
Acq: 12 Sep 2023 17:57

Instrument :
BNA_G
ClientSampleId :
EZYD9RE

Tgt Ion:252 Resp: 686094
Ion Ratio Lower Upper
252 100
253 20.3 17.8 26.8
125 10.5 6.2 9.2

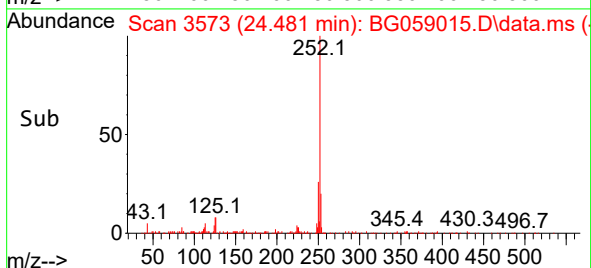
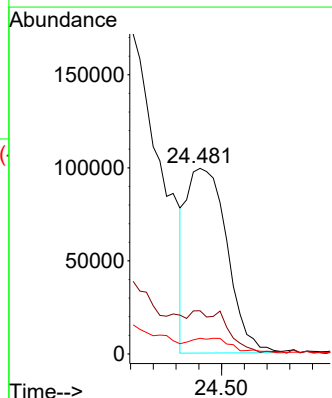
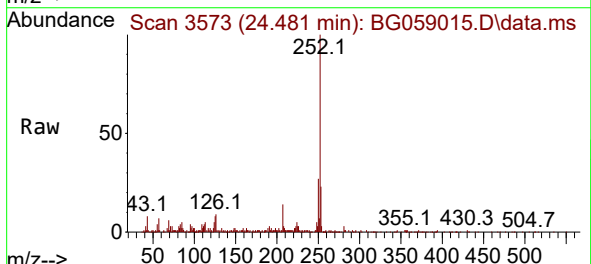
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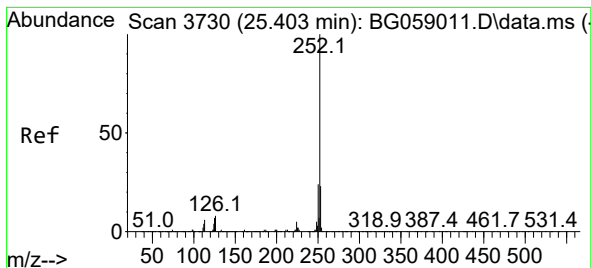
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#91
Benzo(k)fluoranthene
Concen: 3.920 ng/ul
RT: 24.481 min Scan# 3573
Delta R.T. -0.017 min
Lab File: BG059015.D
Acq: 12 Sep 2023 17:57

Tgt Ion:252 Resp: 244386
Ion Ratio Lower Upper
252 100
253 23.2 19.1 28.7
125 8.5 5.0 7.4





#93

Benzo(a)pyrene

Concen: 5.832 ng/ul

RT: 25.386 min Scan# 31

Delta R.T. -0.017 min

Lab File: BG059015.D

Acq: 12 Sep 2023 17:57

Instrument :

BNA_G

ClientSampleId :

EZYD9RE

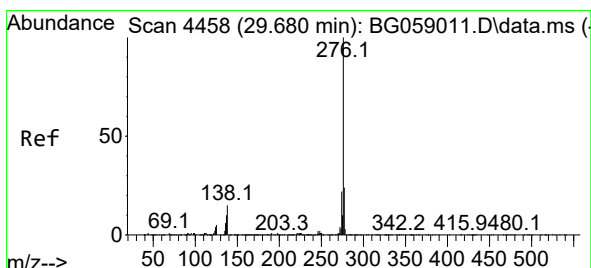
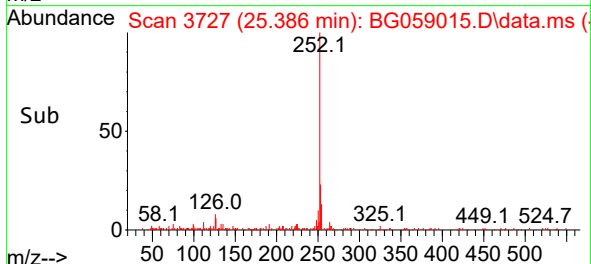
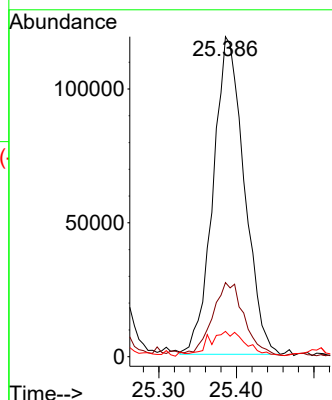
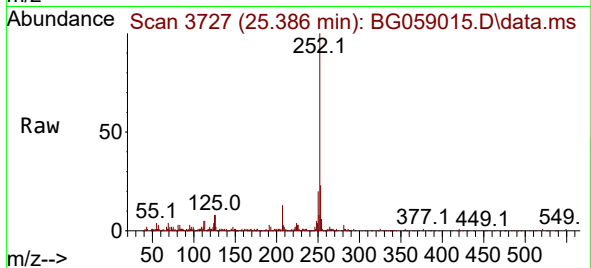
Tgt Ion:	252	Resp:	33196
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.1	25.7
125	7.9	5.3	7.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 5.297 ng/ul

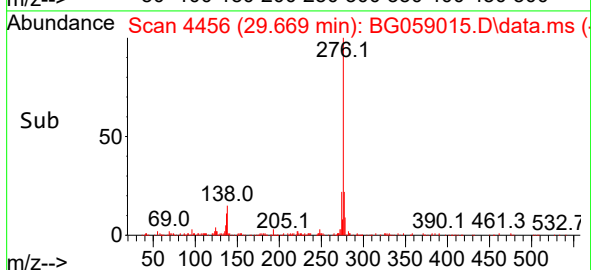
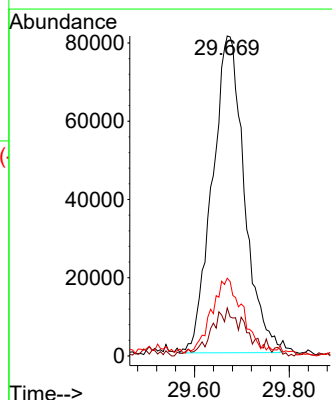
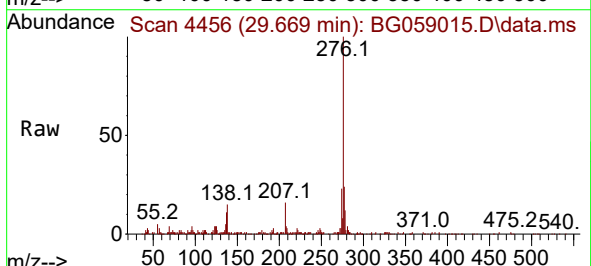
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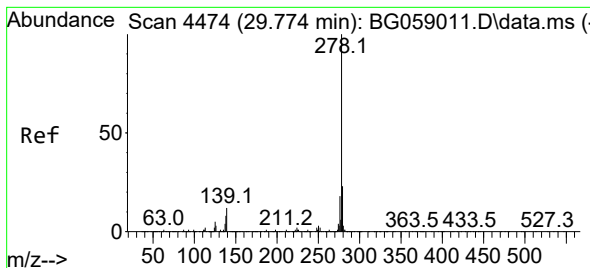
Delta R.T. -0.011 min

Lab File: BG059015.D

Acq: 12 Sep 2023 17:57

Tgt Ion:	276	Resp:	380979
Ion Ratio	Lower	Upper	
276	100		
138	15.0	11.8	17.8
277	24.3	20.7	31.1





#95

Dibenzo(a,h)anthracene

Concen: 1.903 ng/ul m

RT: 29.757 min Scan# 4474

Delta R.T. -0.017 min

Lab File: BG059015.D

Acq: 12 Sep 2023 17:57

Instrument :

BNA_G

ClientSampleId :

EZYD9RE

Tgt Ion:278 Resp: 11342

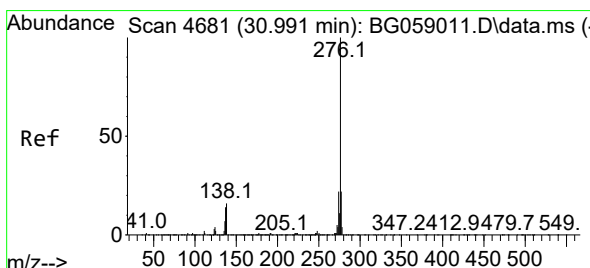
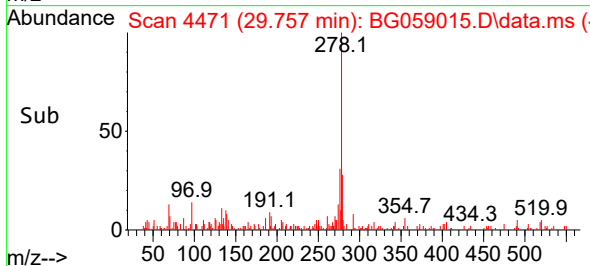
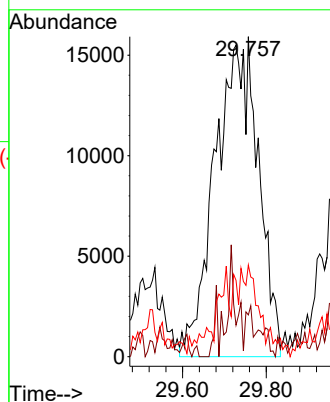
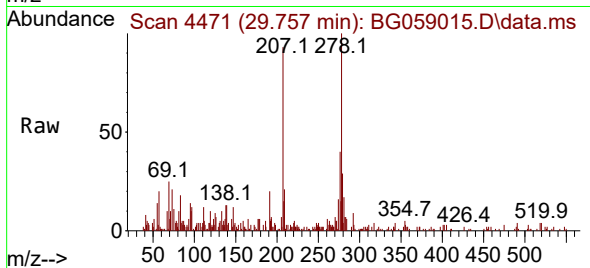
Ion	Ratio	Lower	Upper
278	100		
139	13.0	9.8	14.8
279	28.6	18.5	27.7

Manual Integrations

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Supervised By :mohammad ahmed 09/14/2023



#96

Benzo(g,h,i)perylene

Concen: 6.891 ng/ul m

RT: 30.979 min Scan# 4679

Delta R.T. -0.011 min

Lab File: BG059015.D

Acq: 12 Sep 2023 17:57

Tgt Ion:276 Resp: 392269

Ion	Ratio	Lower	Upper
276	100		
138	15.5	11.4	17.2
277	22.5	17.4	26.2

