

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
 Data File : BG061658.D
 Acq On : 22 Jun 2024 21:14
 Operator : MA/JU
 Sample : P2776-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CA7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/24/2024
 Supervised By :mohammad ahmed 06/24/2024

Quant Time: Jun 23 00:49:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.077	152	74896	20.000	ng/u1	0.00
20) Naphthalene-d8	10.891	136	363620	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.704	164	254538	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.448	188	565259	20.000	ng/u1	0.00
79) Chrysene-d12	21.708	240	485400	20.000	ng/u1	0.00
88) Perylene-d12	24.939	264	591500	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.470	96	8078	3.896	ng/uL	0.00
4) Pyridine-d5	3.888	84	114265	18.229	ng/u1	0.00
7) Phenol-d5	7.219	99	173075	21.287	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.401	67	99923	19.715	ng/u1	0.00
11) 2-Chlorophenol-d4	7.601	132	118894	21.309	ng/u1	0.00
15) 4-Methylphenol-d8	8.770	113	134055	21.328	ng/u1	0.00
21) Nitrobenzene-d5	9.246	128	62449	25.294	ng/u1	0.01
24) 2-Nitrophenol-d4	9.963	143	68953	27.575	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.497	165	135143	22.824	ng/u1	0.00
31) 4-Chloroaniline-d4	11.020	131	179124	19.981	ng/u1	0.00
46) Dimethylphthalate-d6	14.111	166	432474	22.079	ng/u1	0.00
49) Acenaphthylene-d8	14.399	160	511627	23.834	ng/u1	0.00
54) 4-Nitrophenol-d4	14.875	143	71695	21.312	ng/u1	0.00
60) Fluorene-d10	15.691	176	387832	22.617	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.797	200	42506	17.586	ng/u1	0.00
73) Anthracene-d10	17.542	188	596297	23.111	ng/u1	0.00
81) Pyrene-d10	19.822	212	664706	24.516	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.716	264	678067	24.002	ng/u1	0.00
Target Compounds					Qvalue	
52) Acenaphthene	14.769	153	36457	2.197	ng/u1	97
56) Dibenzofuran	15.098	168	27249	1.173	ng/u1	89
61) Fluorene	15.750	166	43118	2.244	ng/u1	99
72) Phenanthrene	17.489	178	635339	21.365	ng/u1	98
74) Anthracene	17.577	178	171843	5.651	ng/u1	99
77) Carbazole	17.842	167	69786	2.703	ng/u1	96
80) Fluoranthene	19.493	202	756684	24.053	ng/u1	98
82) Pyrene	19.851	202	622511	18.610	ng/u1	99
85) Benzo(a)anthracene	21.690	228	279696	8.209	ng/u1	100
87) Chrysene	21.755	228	255524m	7.926	ng/u1	
90) Benzo(b)fluoranthene	23.917	252	349145m	9.819	ng/u1	
91) Benzo(k)fluoranthene	23.976	252	93043	2.544	ng/u1#	97
93) Benzo(a)pyrene	24.787	252	262641	7.672	ng/u1#	95
94) Indeno(1,2,3-cd)pyrene	28.612	276	169996m	3.985	ng/u1	
95) Dibenzo(a,h)anthracene	28.682	278	37663m	1.062	ng/u1	
96) Benzo(g,h,i)perylene	29.769	276	172646m	5.021	ng/u1	

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

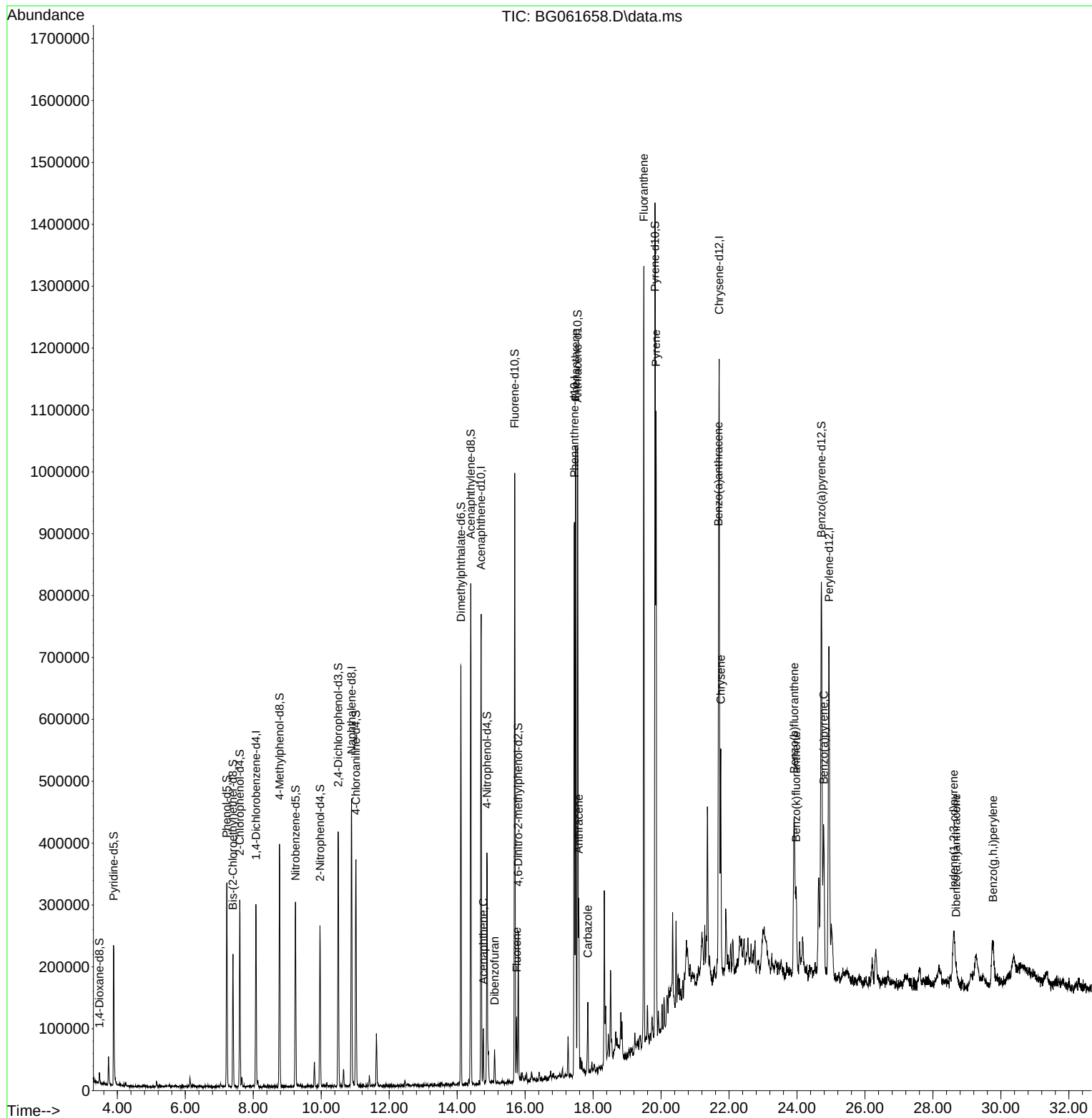
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062224\
Data File : BG061658.D
Acq On : 22 Jun 2024 21:14
Operator : MA/JU
Sample : P2776-12
Misc :
ALS Vial : 18 Sample Multiplier: 1

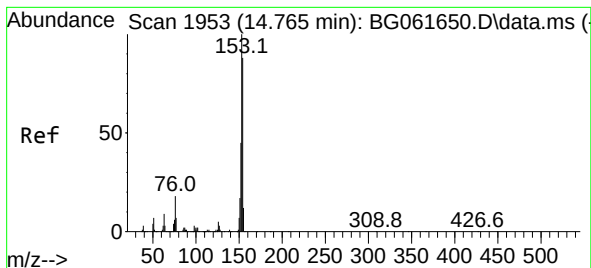
Instrument :
BNA_G
ClientSampleId :
A4CA7

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration





#52

Acenaphthene

Concen: 2.197 ng/ul

RT: 14.769 min Scan# 1953

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

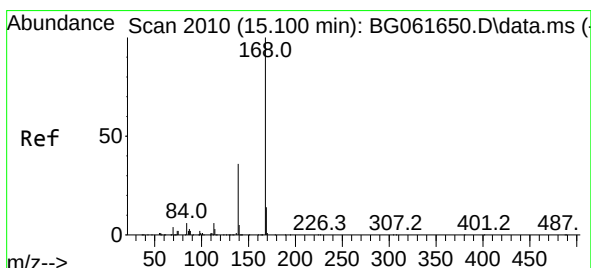
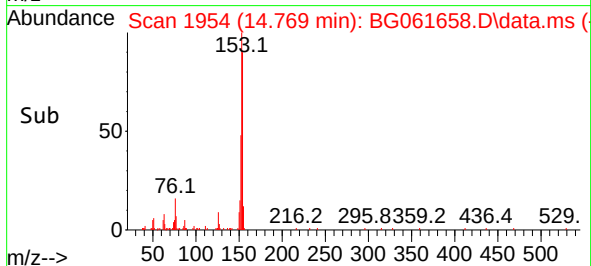
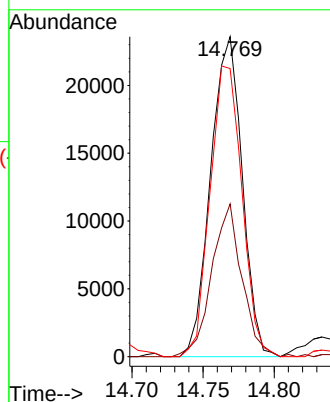
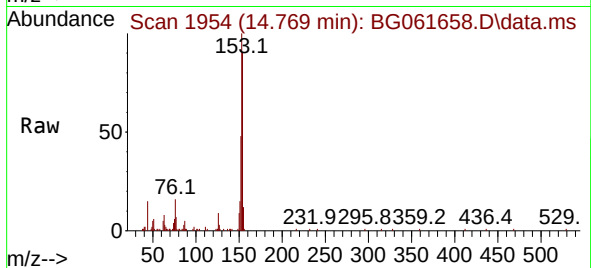
Tgt Ion:	153	Resp:	3645
Ion Ratio	Lower	Upper	
153	100		
152	47.7	40.0	60.0
154	90.0	74.1	111.1

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Supervised By :mohammad ahmed 06/24/2024



#56

Dibenzofuran

Concen: 1.173 ng/ul

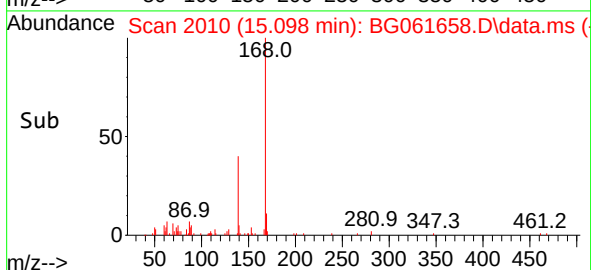
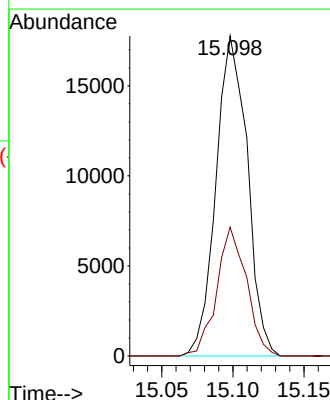
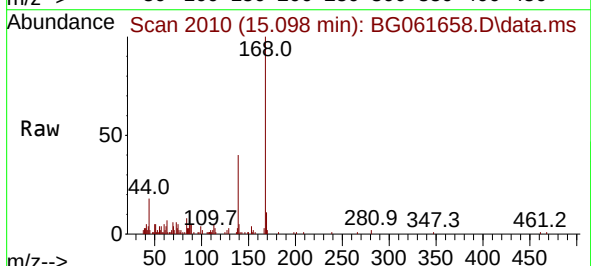
RT: 15.098 min Scan# 2010

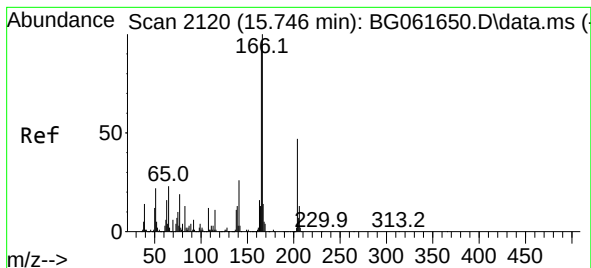
Delta R.T. -0.005 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Tgt Ion:	168	Resp:	27249
Ion Ratio	Lower	Upper	
168	100		
139	40.2	27.0	40.4





#61

Fluorene

Concen: 2.244 ng/ul

RT: 15.750 min Scan# 2121

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

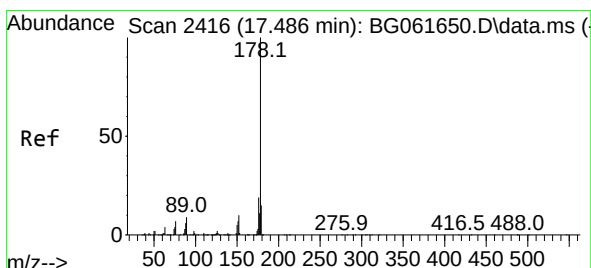
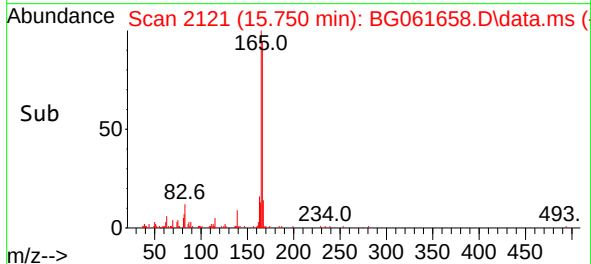
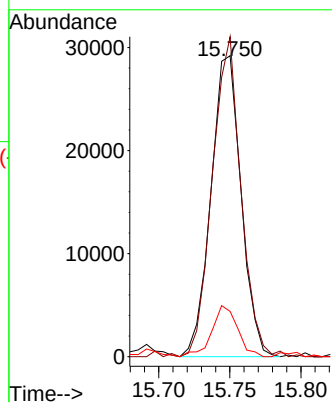
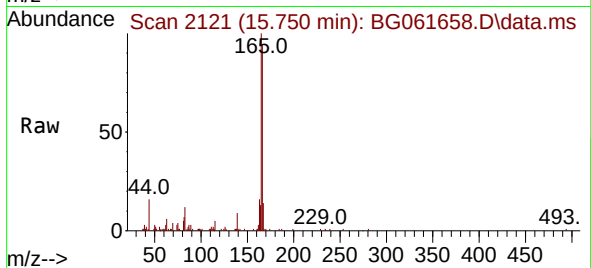
Tgt Ion:	166	Resp:	43118
Ion Ratio	Lower	Upper	
166	100		
165	106.3	84.9	127.3
167	15.1	10.9	16.3

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#72

Phenanthrene

Concen: 21.365 ng/ul

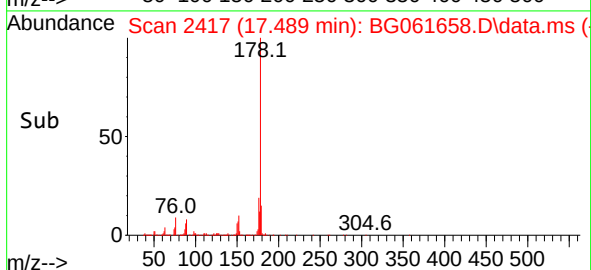
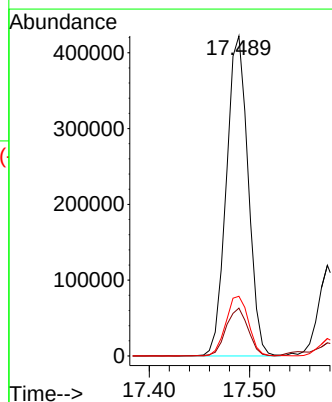
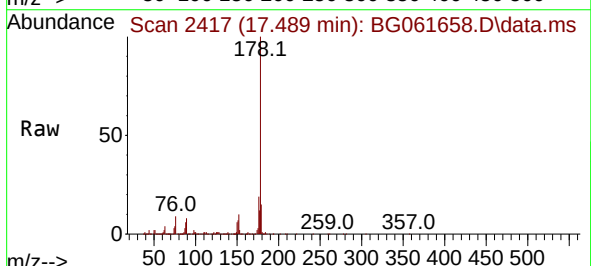
RT: 17.489 min Scan# 2417

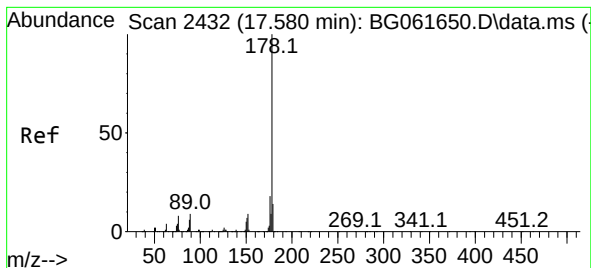
Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Tgt Ion:	178	Resp:	635339
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.0	18.0
176	18.6	16.2	24.2





#74

Anthracene

Concen: 5.651 ng/uI

RT: 17.577 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

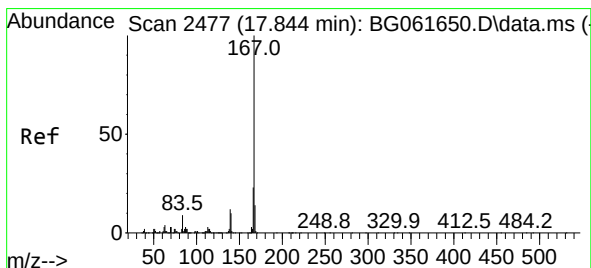
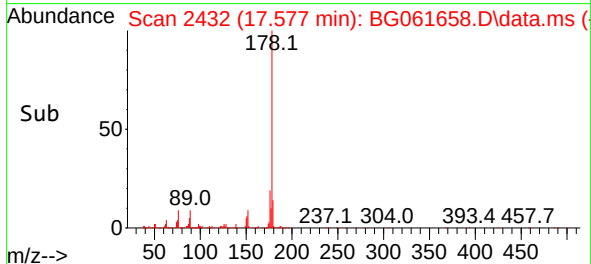
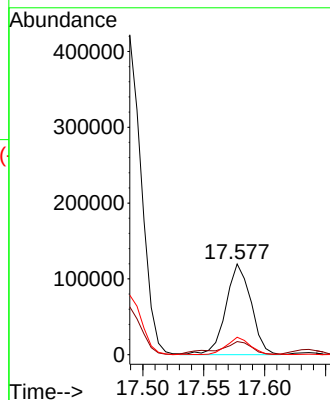
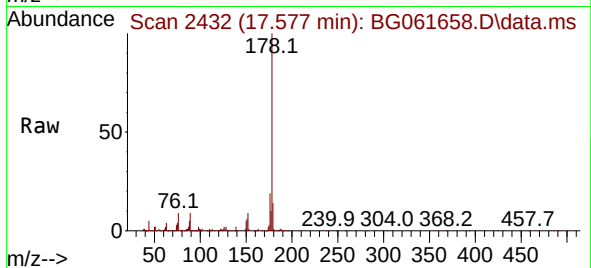
Tgt Ion:	178	Resp:	17184
Ion Ratio	Lower	Upper	
178	100		
179	14.4	11.4	17.2
176	19.2	14.7	22.1

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#77

Carbazole

Concen: 2.703 ng/uI

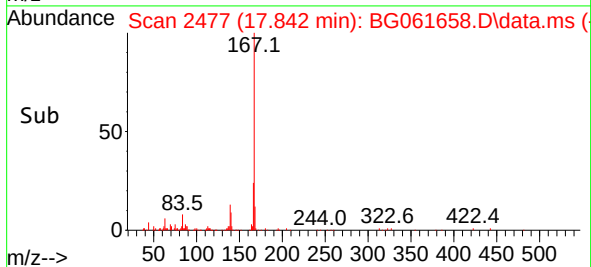
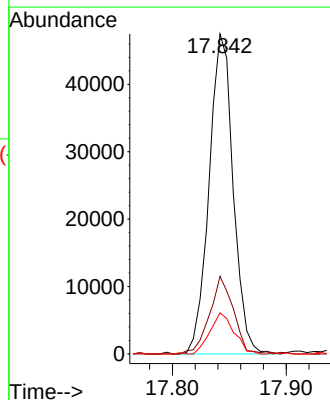
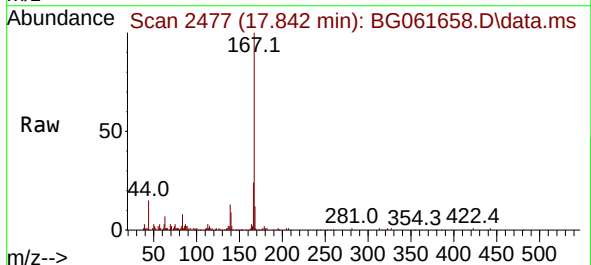
RT: 17.842 min Scan# 2477

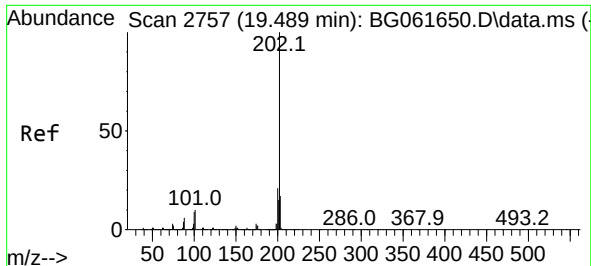
Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

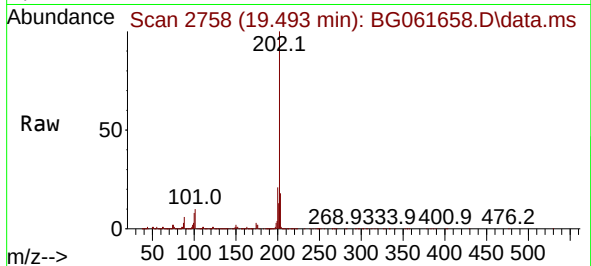
Tgt Ion:	167	Resp:	69786
Ion Ratio	Lower	Upper	
167	100		
166	24.2	17.5	26.3
139	12.9	9.4	14.2





#80
Fluoranthene
Concen: 24.053 ng/u1
RT: 19.493 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

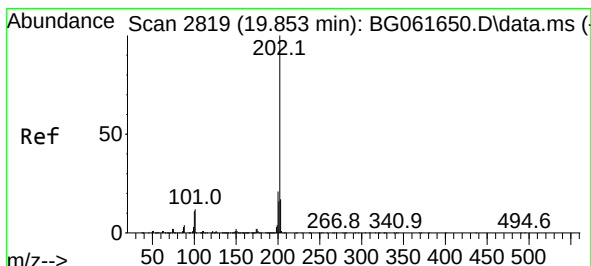
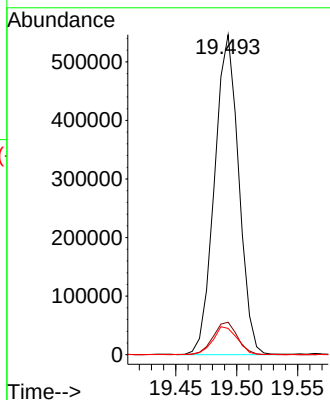
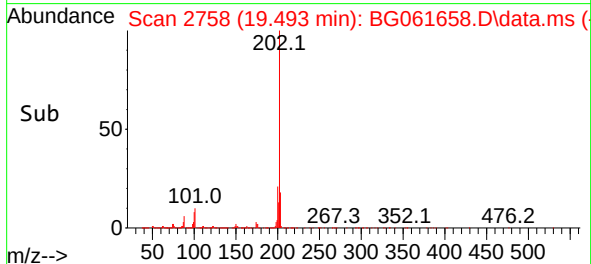
Instrument :
BNA_G
ClientSampleId :
A4CA7



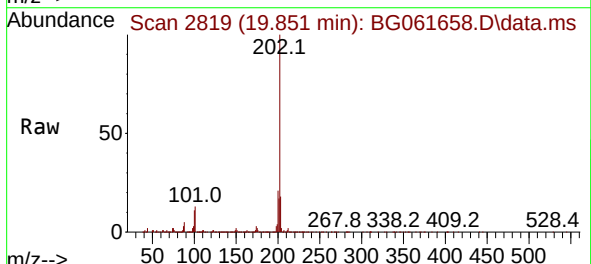
Tgt Ion:202 Resp: 756684
Ion Ratio Lower Upper
202 100
101 10.1 7.8 11.6
100 8.2 7.7 11.5

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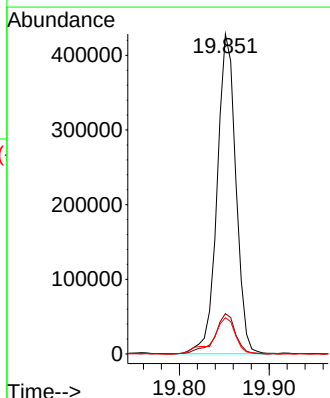
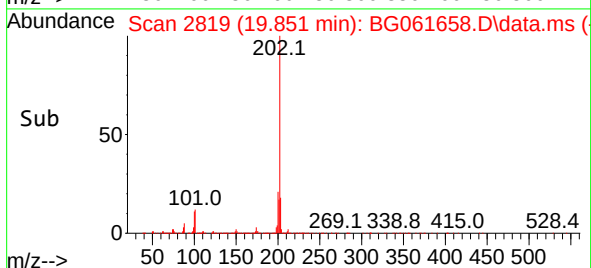
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024

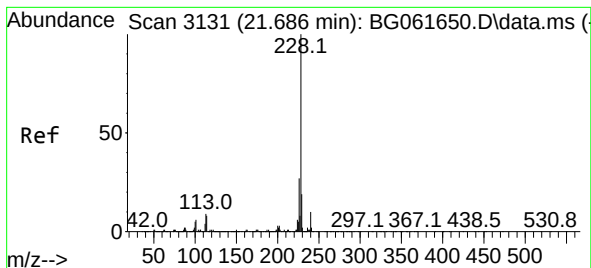


#82
Pyrene
Concen: 18.610 ng/u1
RT: 19.851 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14



Tgt Ion:202 Resp: 622511
Ion Ratio Lower Upper
202 100
101 12.6 10.1 15.1
100 11.4 9.9 14.9





#85

Benzo(a)anthracene

Concen: 8.209 ng/ul

RT: 21.690 min Scan# 3131

Delta R.T. 0.000 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

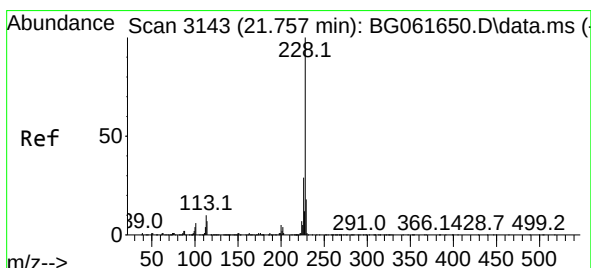
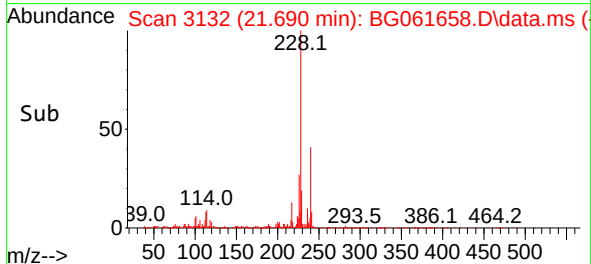
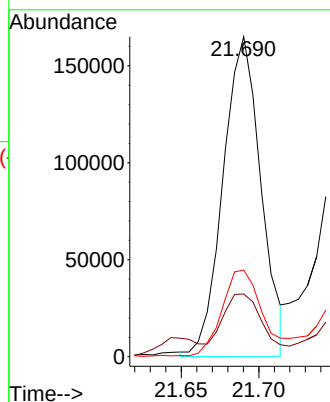
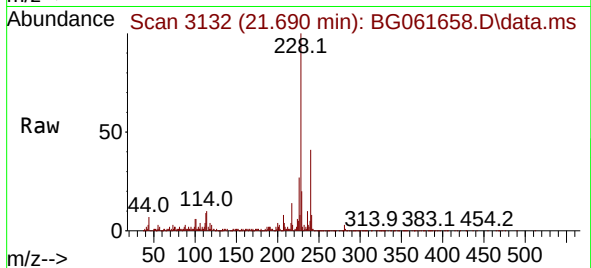
Tgt Ion:228 Resp: 279690
Ion Ratio Lower Upper
228 100
229 19.6 15.8 23.8
226 27.0 21.4 32.2

Manual Integrations

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#87

Chrysene

Concen: 7.926 ng/ul m

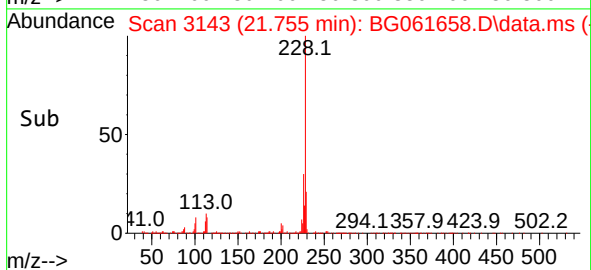
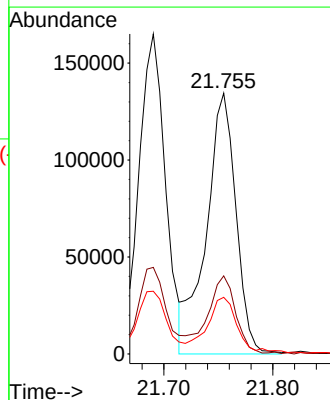
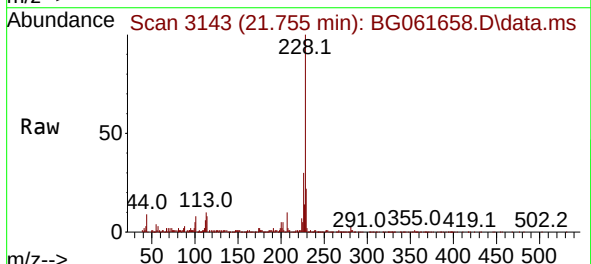
RT: 21.755 min Scan# 3143

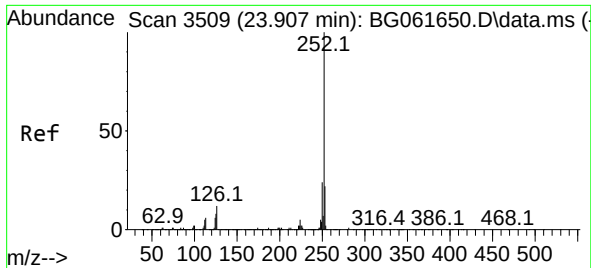
Delta R.T. -0.005 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

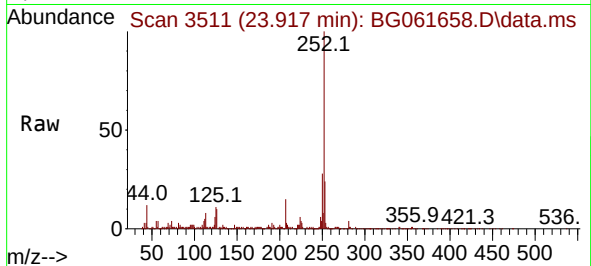
Tgt Ion:228 Resp: 255524
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.2
229 21.7 16.5 24.7





#90
Benzo(b)fluoranthene
Concen: 9.819 ng/ul m
RT: 23.917 min Scan# 3511
Delta R.T. 0.000 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

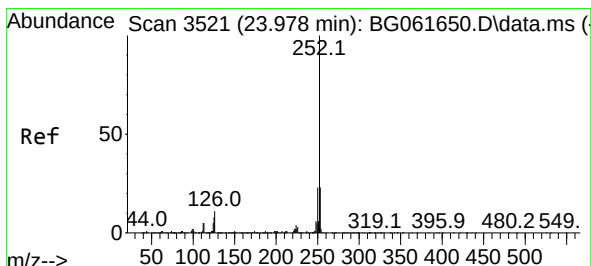
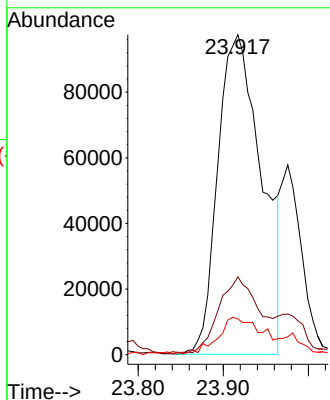
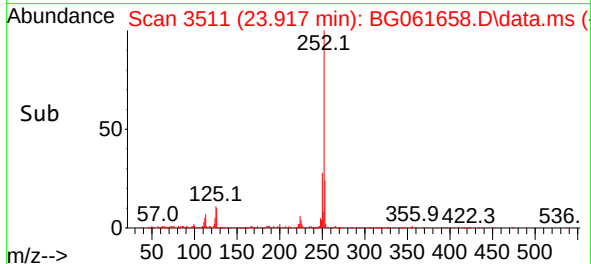
Instrument :
BNA_G
ClientSampleId :
A4CA7



Tgt Ion:252 Resp: 34914
Ion Ratio Lower Upper
252 100
253 24.3 18.6 27.8
125 11.2 7.0 10.6

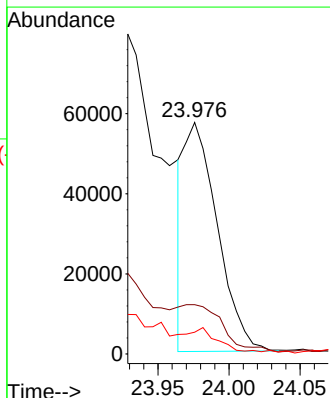
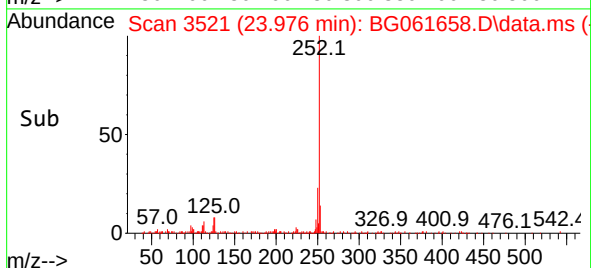
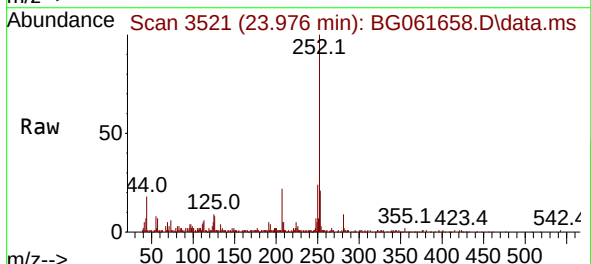
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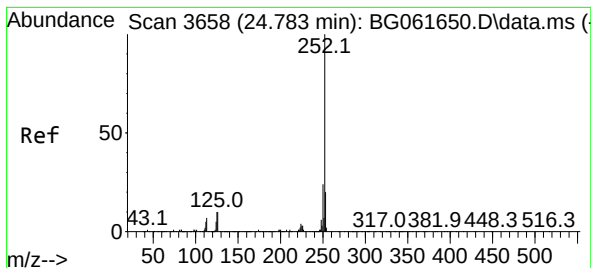
Reviewed By :Yogesh Patel 06/24/2024
Supervised By :mohammad ahmed 06/24/2024



#91
Benzo(k)fluoranthene
Concen: 2.544 ng/ul
RT: 23.976 min Scan# 3521
Delta R.T. -0.005 min
Lab File: BG061658.D
Acq: 22 Jun 2024 21:14

Tgt Ion:252 Resp: 93043
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.6
125 9.4 6.2 9.2#





#93

Benzo(a)pyrene

Concen: 7.672 ng/ul

RT: 24.787 min Scan# 30

Delta R.T. -0.005 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

Tgt Ion:252 Resp: 26264

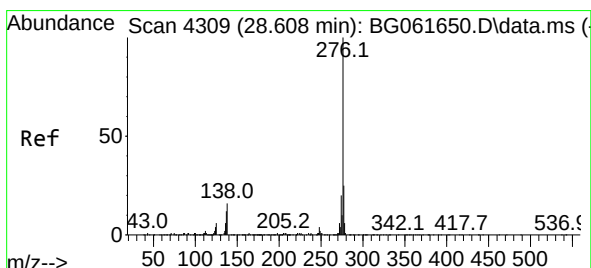
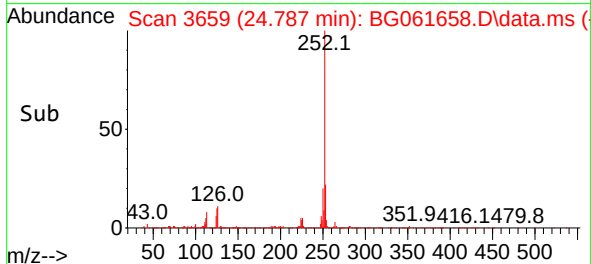
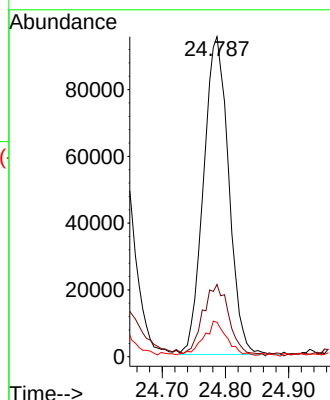
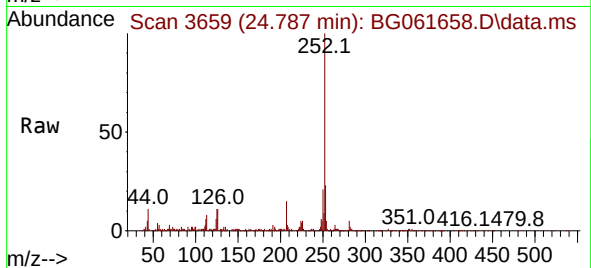
Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.8	25.2
125	10.8	6.5	9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.985 ng/ul m

RT: 28.612 min Scan# 4310

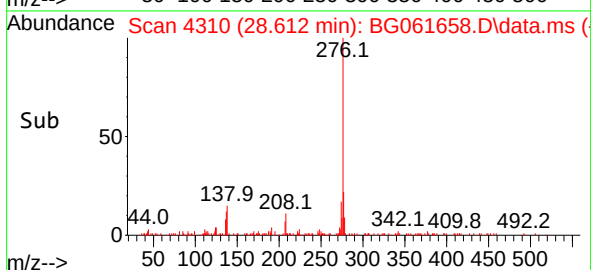
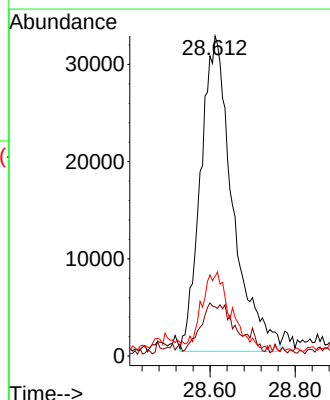
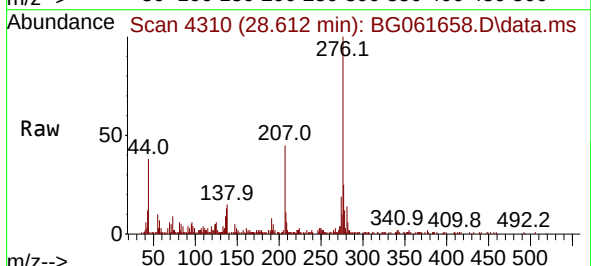
Delta R.T. -0.005 min

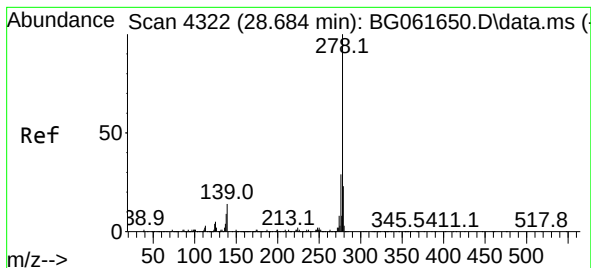
Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Tgt Ion:276 Resp: 169996

Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.2	18.4
277	24.9	19.7	29.5





#95

Dibenzo(a,h)anthracene

Concen: 1.062 ng/ul m

RT: 28.682 min Scan# 4

Delta R.T. -0.017 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Instrument :

BNA_G

ClientSampleId :

A4CA7

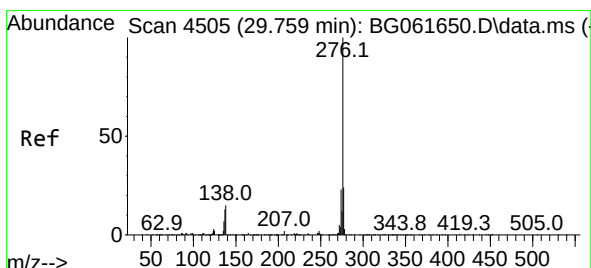
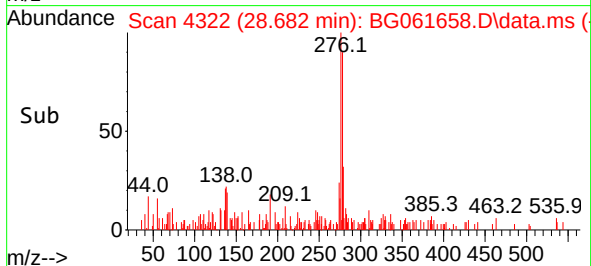
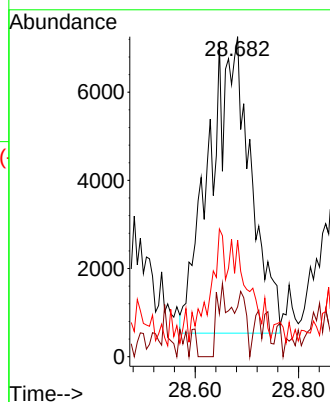
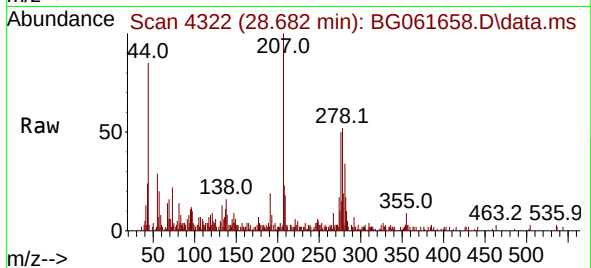
Tgt Ion:	278	Resp:	3766
Ion Ratio	Lower	Upper	
278	100		
139	15.6	9.1	13.7
279	36.4	18.6	28.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2024

Supervised By :mohammad ahmed 06/24/2024



#96

Benzo(g,h,i)perylene

Concen: 5.021 ng/ul m

RT: 29.769 min Scan# 4507

Delta R.T. 0.012 min

Lab File: BG061658.D

Acq: 22 Jun 2024 21:14

Tgt Ion:	276	Resp:	172646
Ion Ratio	Lower	Upper	
276	100		
138	16.5	12.2	18.4
277	23.9	18.6	27.8

