

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061723.D
 Acq On : 26 Jun 2024 5:29
 Operator : MA/JU
 Sample : P2873-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COSJ9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/27/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 26 06:07:31 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	8.073	152	81696	20.000	ng/ul	0.00
20) Naphthalene-d8	10.893	136	390521	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.700	164	279116	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.450	188	580225	20.000	ng/ul	0.00
79) Chrysene-d12	21.716	240	476587	20.000	ng/ul	0.00
88) Perylene-d12	24.935	264	603286	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.466	96	5750	2.543	ng/uL	0.00
4) Pyridine-d5	3.901	84	7807m	1.142	ng/ul	0.01
7) Phenol-d5	7.215	99	138321	15.596	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.397	67	101343	18.330	ng/ul	0.00
11) 2-Chlorophenol-d4	7.597	132	105107	17.270	ng/ul	0.00
15) 4-Methylphenol-d8	8.760	113	73839	10.770	ng/ul	0.00
21) Nitrobenzene-d5	9.236	128	63308	23.875	ng/ul	0.00
24) 2-Nitrophenol-d4	9.959	143	70434	26.227	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.499	165	112049	17.620	ng/ul	0.00
31) 4-Chloroaniline-d4	11.016	131	95904	9.961	ng/ul	0.00
46) Dimethylphthalate-d6	14.107	166	459796	21.407	ng/ul	0.00
49) Acenaphthylene-d8	14.401	160	488440	20.750	ng/ul	0.00
54) 4-Nitrophenol-d4	14.871	143	46384	12.574	ng/ul	0.00
60) Fluorene-d10	15.693	176	398142	21.174	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.811	200	39901	16.082	ng/ul	0.01
73) Anthracene-d10	17.550	188	660753	24.948	ng/ul	0.00
81) Pyrene-d10	19.830	212	637534	23.948	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.718	264	517448	17.958	ng/ul	0.00
Target Compounds					Qvalue	
30) Naphthalene	10.975	128	11201376	512.626	ng/ul#	57
36) 2-Methylnaphthalene	12.556	142	4940001	320.399	ng/ul	98
37) 1-Methylnaphthalene	12.767	142	3291761	200.092	ng/ul#	91
43) 1,1'-Biphenyl	13.537	154	921808	45.592	ng/ul	99
50) Acenaphthylene	14.436	152	3902093	148.504	ng/ul#	89
52) Acenaphthene	14.765	153	338574	18.606	ng/ul	94
56) Dibenzofuran	15.100	168	295479	11.604	ng/ul	90
61) Fluorene	15.752	166	2219998	105.342	ng/ul	94
72) Phenanthrene	17.503	178	7003920m	229.446	ng/ul	
74) Anthracene	17.585	178	2844313	91.119	ng/ul	94
77) Carbazole	17.844	167	80859	3.051	ng/ul#	86
80) Fluoranthene	19.501	202	3811070	123.382	ng/ul	98
82) Pyrene	19.865	202	4456144	135.678	ng/ul	99
85) Benzo(a)anthracene	21.692	228	2429685m	72.628	ng/ul	
87) Chrysene	21.757	228	2058304	65.023	ng/ul	98
90) Benzo(b)fluoranthene	23.919	252	1565905	43.179	ng/ul	97
91) Benzo(k)fluoranthene	23.978	252	597953m	16.032	ng/ul	
93) Benzo(a)pyrene	24.789	252	1201606	34.417	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.608	276	555658	12.772	ng/ul#	96
95) Dibenzo(a,h)anthracene	28.660	278	219944m	6.080	ng/ul	
96) Benzo(g,h,i)perylene	29.742	276	85685m	2.443	ng/ul	

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

Instrument :

BNA_G

ClientSampleId :

C0SJ9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024

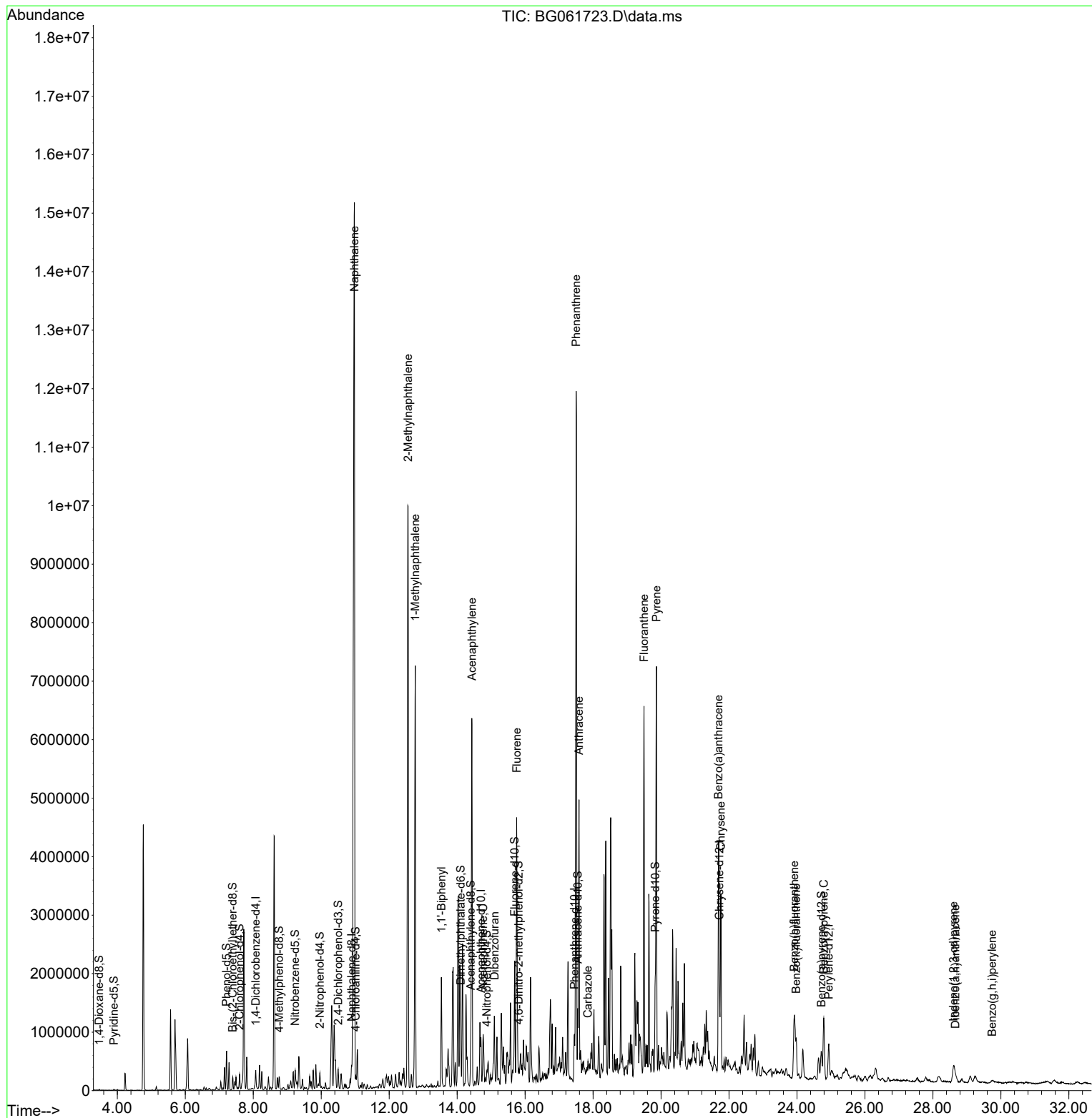
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061723.D
Acq On : 26 Jun 2024 5:29
Operator : MA/JU
Sample : P2873-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

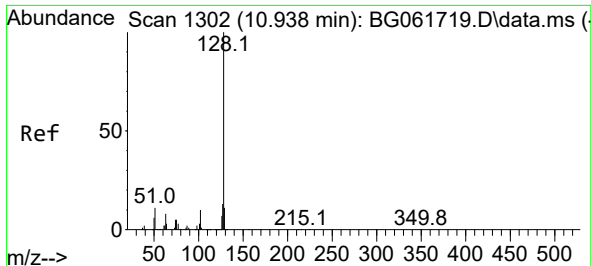
Instrument :
BNA_G
ClientSampleId :
C0SJ9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

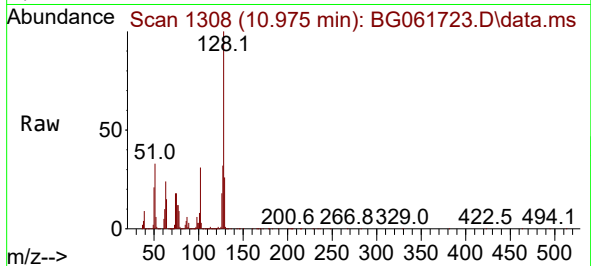
Quant Time: Jun 26 06:07:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 512.626 ng/ul
RT: 10.975 min Scan# 1308
Delta R.T. 0.038 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29

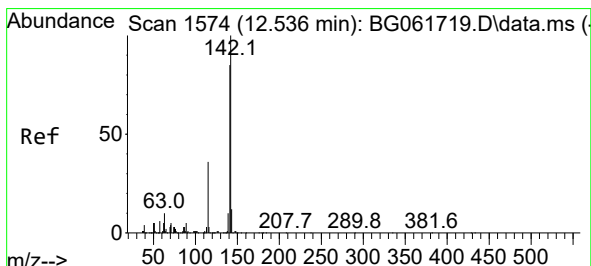
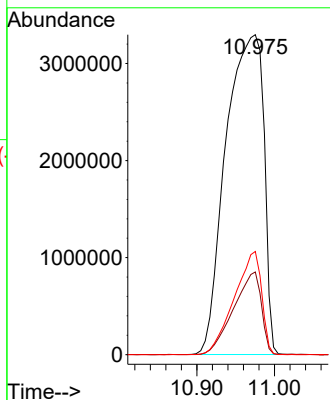
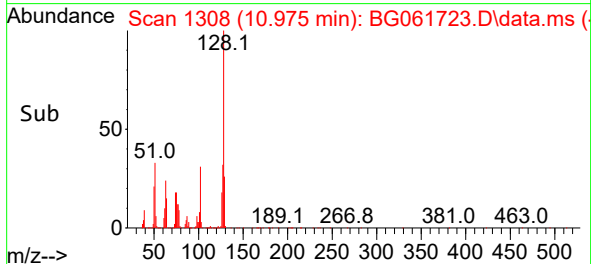
Instrument :
BNA_G
ClientSampleId :
C0SJ9



Tgt Ion:128 Resp:11201370
Ion Ratio Lower Upper
128 100
129 25.9 9.0 13.6
127 32.3 10.5 15.7

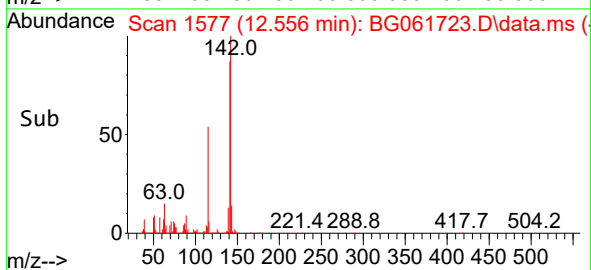
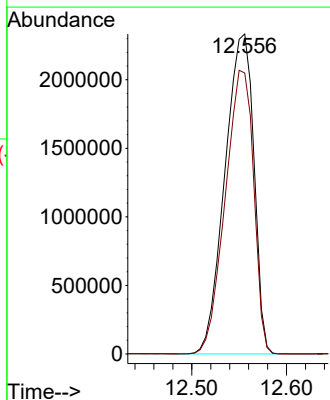
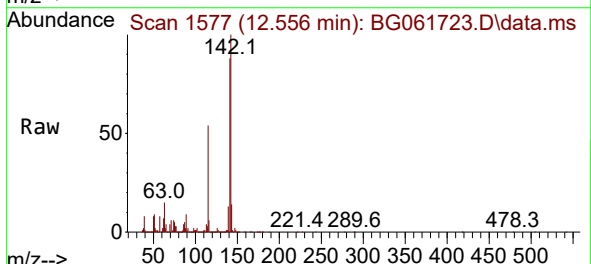
Manual Integrations
APPROVED

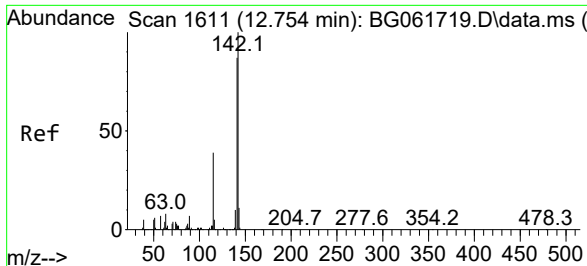
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#36
2-Methylnaphthalene
Concen: 320.399 ng/ul
RT: 12.556 min Scan# 1577
Delta R.T. 0.014 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29

Tgt Ion:142 Resp: 4940001
Ion Ratio Lower Upper
142 100
141 87.8 68.5 102.7





#37

1-Methylnaphthalene

Concen: 200.092 ng/ul

RT: 12.767 min Scan# 1

Delta R.T. 0.014 min

Lab File: BG061723.D

Acq: 26 Jun 2024 5:29

Instrument :

BNA_G

ClientSampleId :

C0SJ9

Tgt Ion:142 Resp: 329176

Ion Ratio Lower Upper

142 100

141 89.0 64.6 97.0

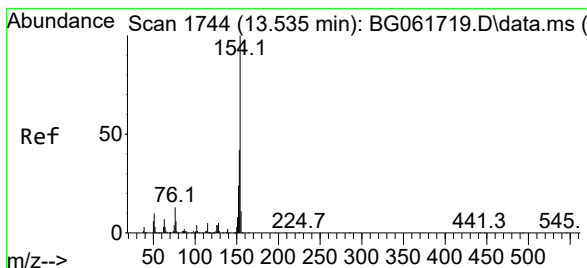
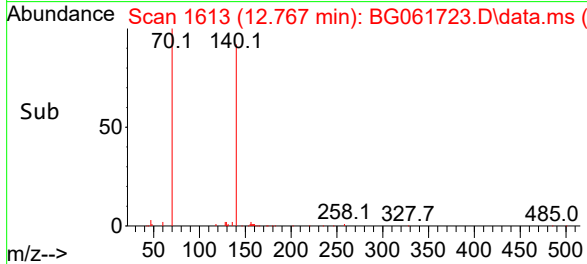
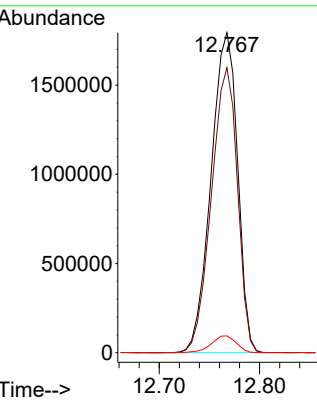
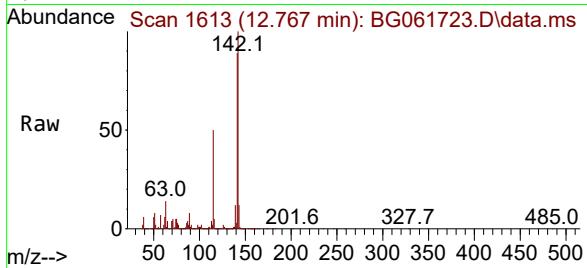
116 5.2 3.0 4.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#43

1,1'-Biphenyl

Concen: 45.592 ng/ul

RT: 13.537 min Scan# 1744

Delta R.T. -0.003 min

Lab File: BG061723.D

Acq: 26 Jun 2024 5:29

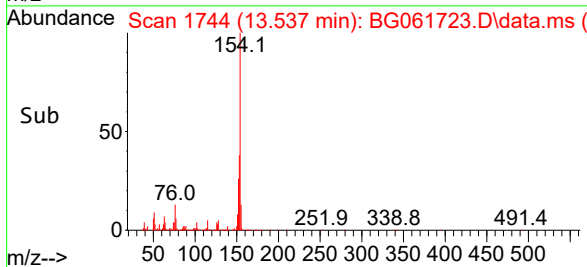
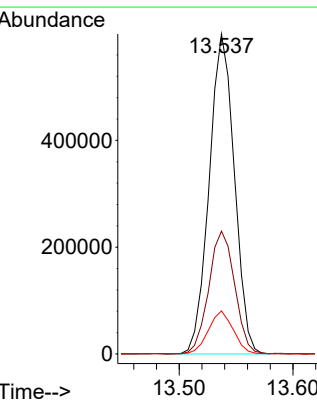
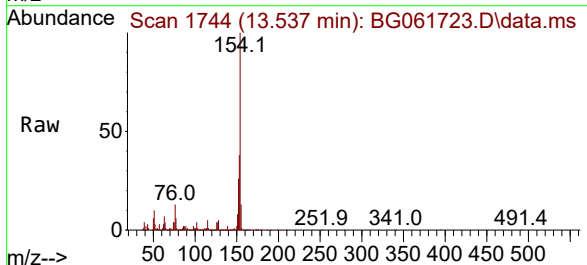
Tgt Ion:154 Resp: 921808

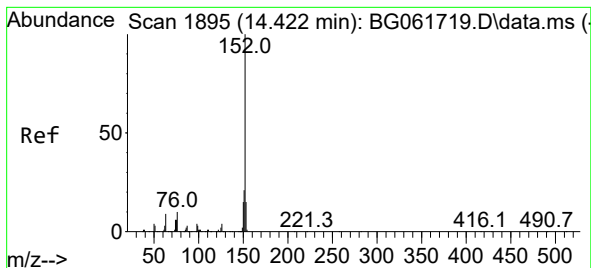
Ion Ratio Lower Upper

154 100

153 38.4 31.4 47.0

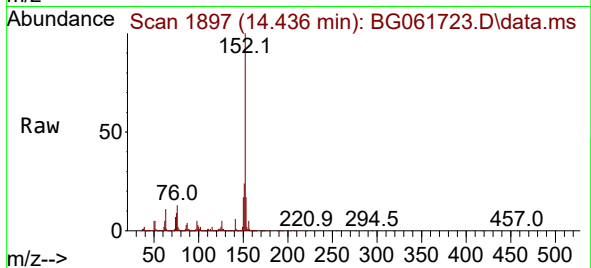
76 13.5 11.0 16.4





#50
Acenaphthylene
Concen: 148.504 ng/ul
RT: 14.436 min Scan# 1897
Delta R.T. 0.008 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29

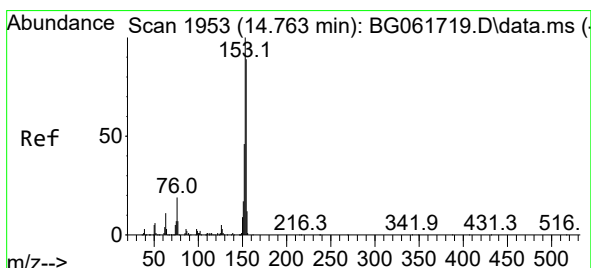
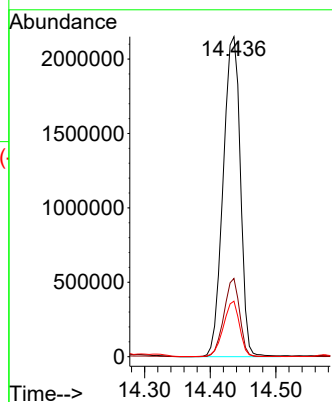
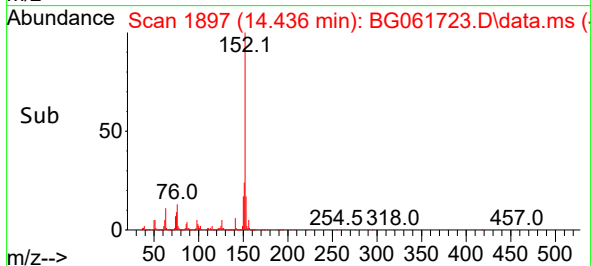
Instrument :
BNA_G
ClientSampleId :
C0SJ9



Tgt Ion:152 Resp: 390209
Ion Ratio Lower Upper
152 100
151 24.5 15.3 22.9
153 17.3 11.0 16.4

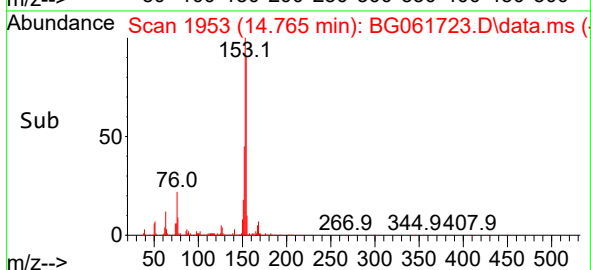
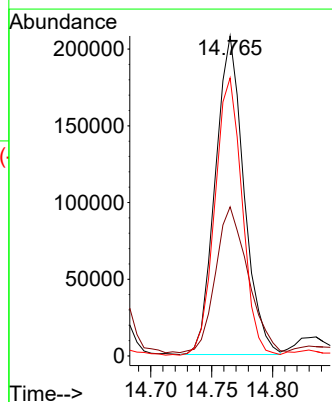
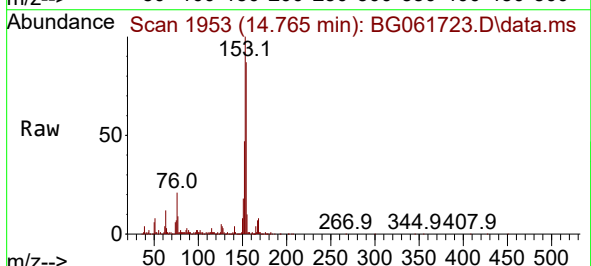
Manual Integrations
APPROVED

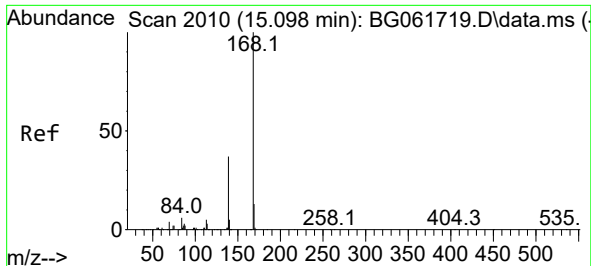
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#52
Acenaphthene
Concen: 18.606 ng/ul
RT: 14.765 min Scan# 1953
Delta R.T. -0.003 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29

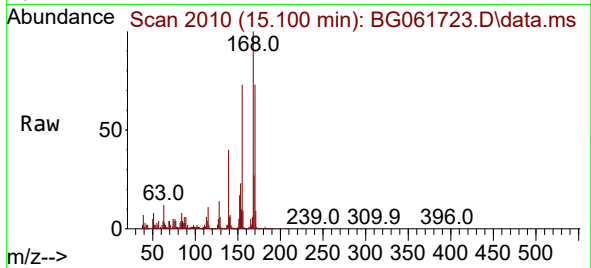
Tgt Ion:153 Resp: 338574
Ion Ratio Lower Upper
153 100
152 46.6 40.0 60.0
154 86.9 74.1 111.1





#56
Dibenzenofuran
Concen: 11.604 ng/ul
RT: 15.100 min Scan# 2010
Delta R.T. -0.003 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29

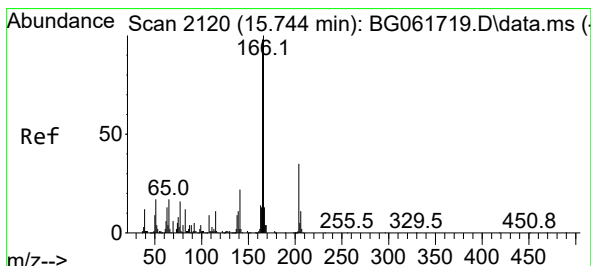
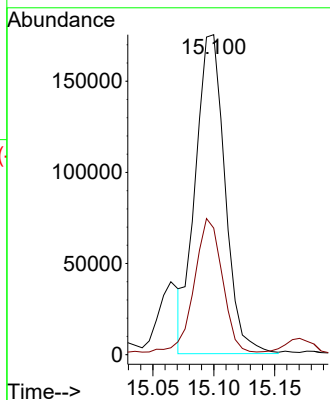
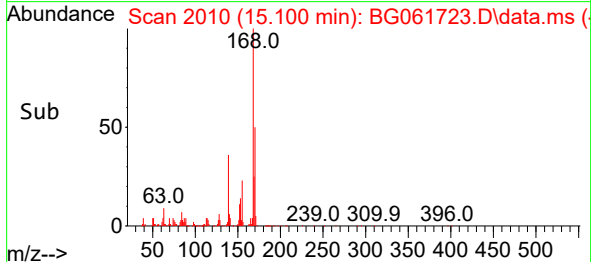
Instrument :
BNA_G
ClientSampleId :
C0SJ9



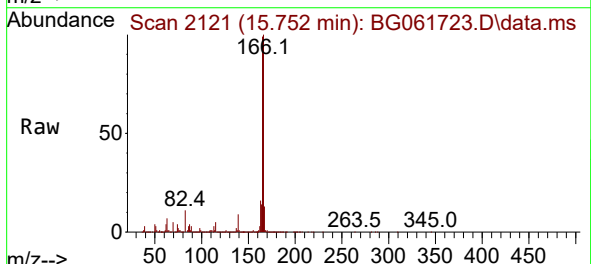
Tgt Ion:168 Resp: 295479
Ion Ratio Lower Upper
168 100
139 39.5 27.0 40.4

Manual Integrations
APPROVED

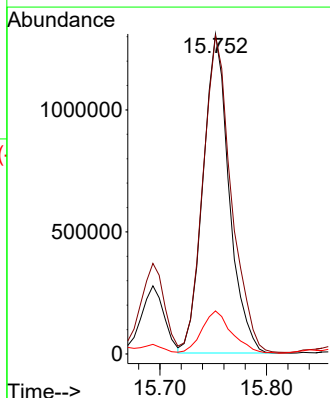
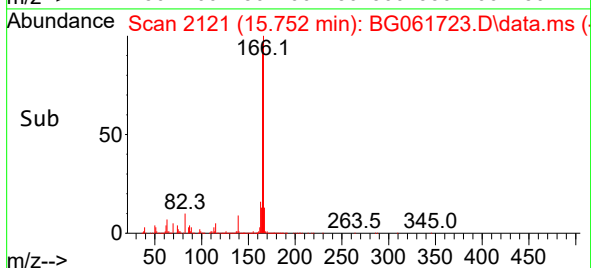
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

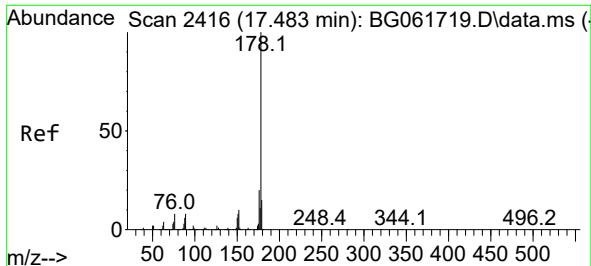


#61
Fluorene
Concen: 105.342 ng/ul
RT: 15.752 min Scan# 2121
Delta R.T. 0.002 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29



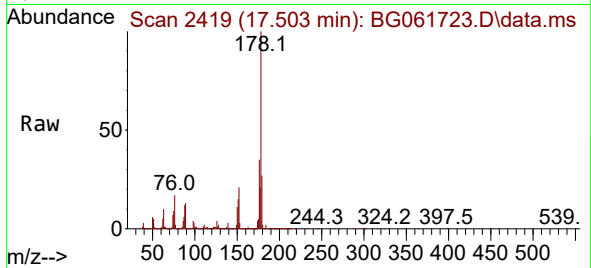
Tgt Ion:166 Resp: 2219998
Ion Ratio Lower Upper
166 100
165 99.4 84.9 127.3
167 13.5 10.9 16.3





#72
Phenanthrene
Concen: 229.446 ng/ul m
RT: 17.503 min Scan# 2419
Delta R.T. 0.014 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29

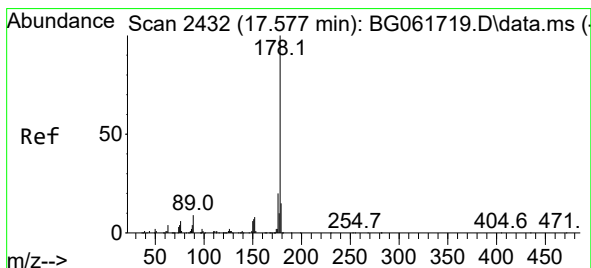
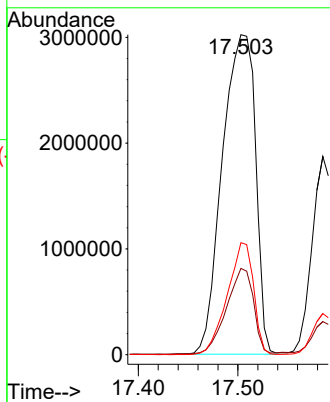
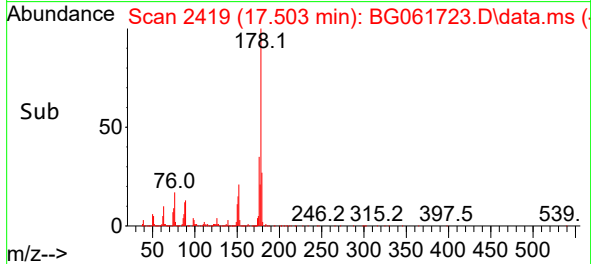
Instrument :
BNA_G
ClientSampleId :
C0SJ9



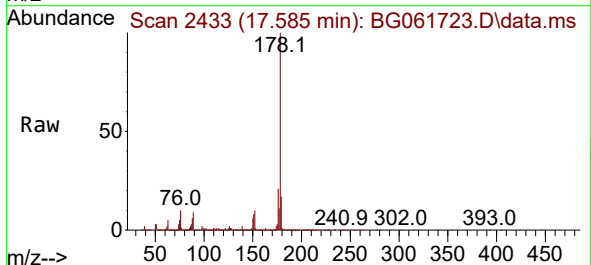
Tgt Ion:178 Resp: 7003920
Ion Ratio Lower Upper
178 100
179 27.0 12.0 18.0
176 35.0 16.2 24.2

Manual Integrations
APPROVED

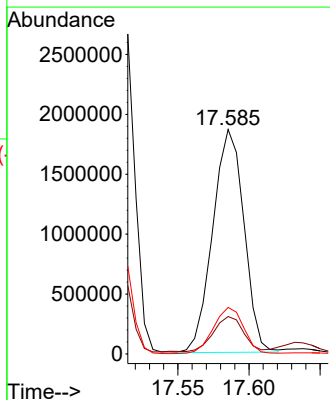
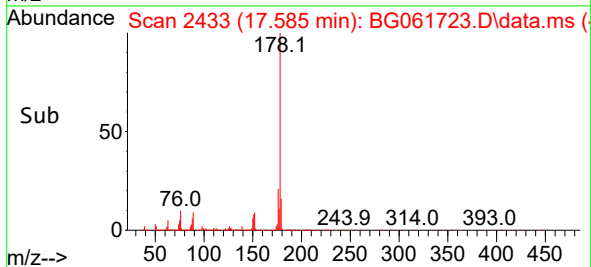
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

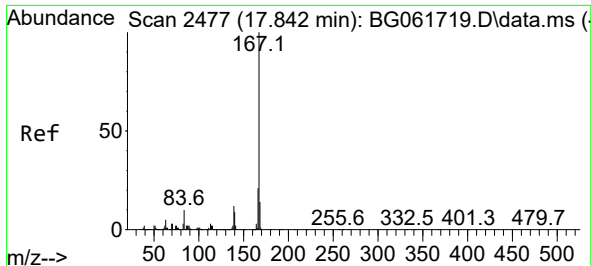


#74
Anthracene
Concen: 91.119 ng/ul
RT: 17.585 min Scan# 2433
Delta R.T. 0.008 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29



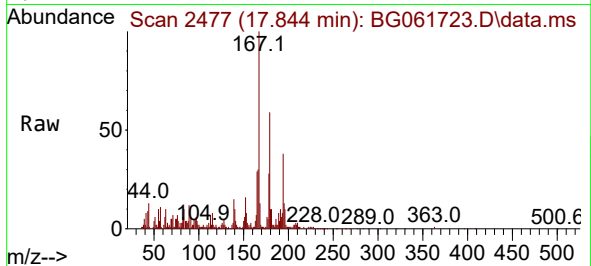
Tgt Ion:178 Resp: 2844313
Ion Ratio Lower Upper
178 100
179 16.7 11.4 17.2
176 20.7 14.7 22.1





#77
 Carbazole
 Concen: 3.051 ng/ul
 RT: 17.844 min Scan# 2477
 Delta R.T. 0.003 min
 Lab File: BG061723.D
 Acq: 26 Jun 2024 5:29

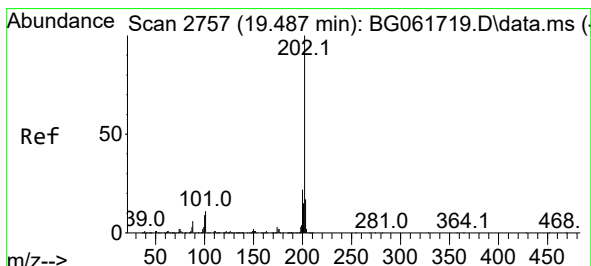
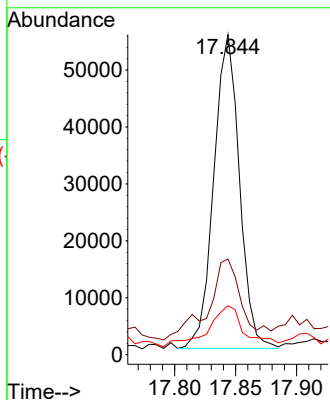
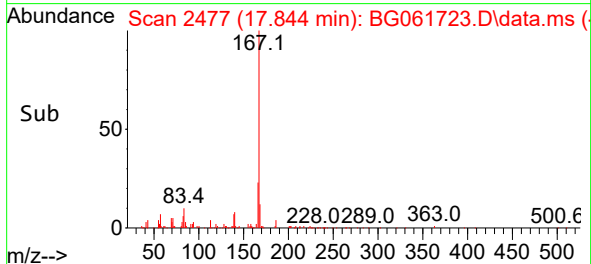
Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9



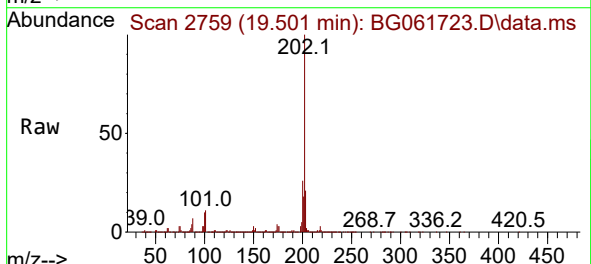
Tgt Ion:167 Resp: 8085
 Ion Ratio Lower Upper
 167 100
 166 29.9 17.5 26.3
 139 15.3 9.4 14.2

Manual Integrations
 APPROVED

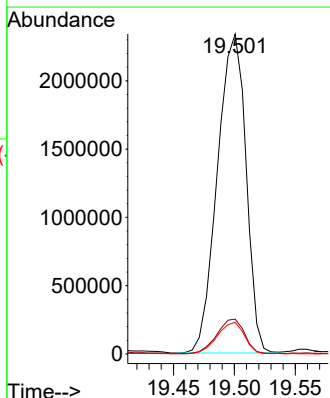
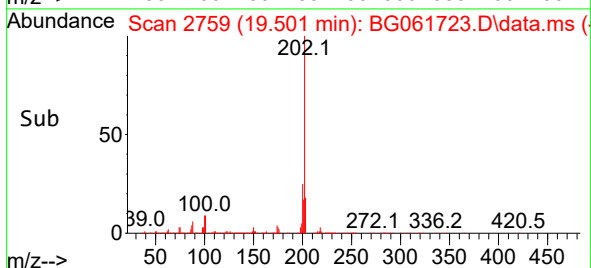
Reviewed By :Yogesh Patel 06/27/2024
 Supervised By :mohammad ahmed 06/27/2024

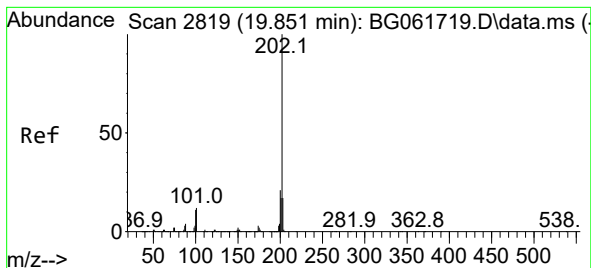


#80
 Fluoranthene
 Concen: 123.382 ng/ul
 RT: 19.501 min Scan# 2759
 Delta R.T. 0.008 min
 Lab File: BG061723.D
 Acq: 26 Jun 2024 5:29



Tgt Ion:202 Resp: 3811070
 Ion Ratio Lower Upper
 202 100
 101 10.9 7.8 11.6
 100 9.9 7.7 11.5





#82

Pyrene

Concen: 135.678 ng/ul

RT: 19.865 min Scan# 21

Delta R.T. 0.014 min

Lab File: BG061723.D

Acq: 26 Jun 2024 5:29

Instrument :

BNA_G

ClientSampleId :

C0SJ9

Tgt Ion:202 Resp: 445614

Ion Ratio Lower Upper

202 100

101 13.2 10.1 15.1

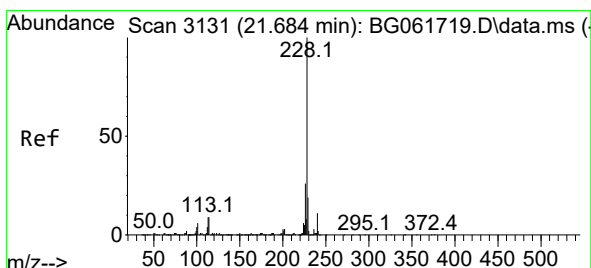
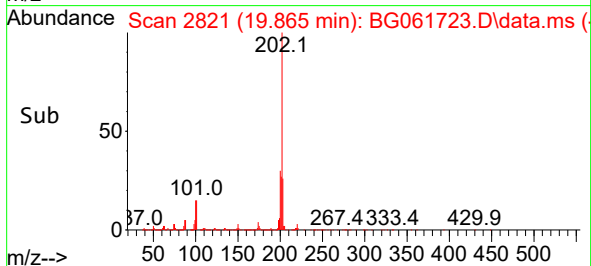
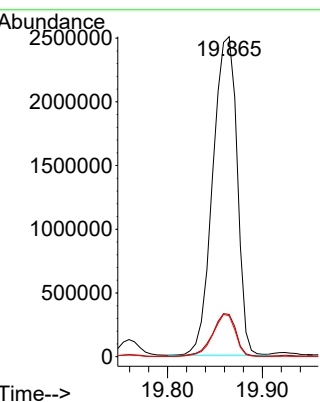
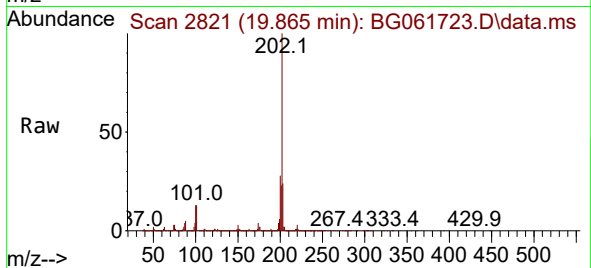
100 12.8 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#85

Benzo(a)anthracene

Concen: 72.628 ng/ul m

RT: 21.692 min Scan# 3132

Delta R.T. 0.002 min

Lab File: BG061723.D

Acq: 26 Jun 2024 5:29

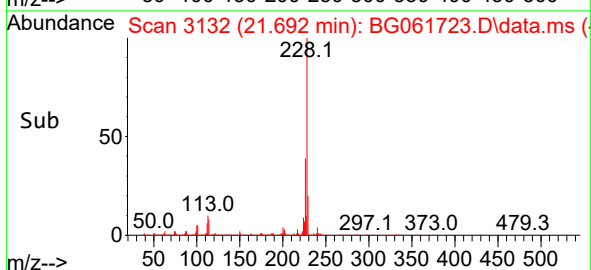
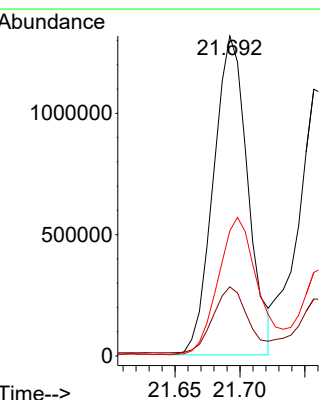
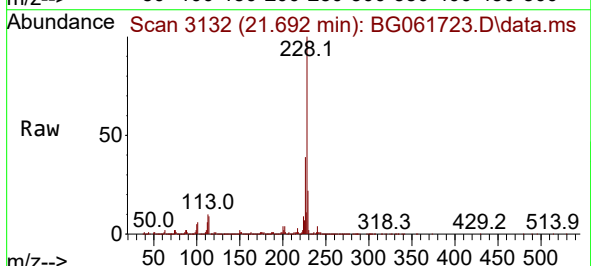
Tgt Ion:228 Resp: 2429685

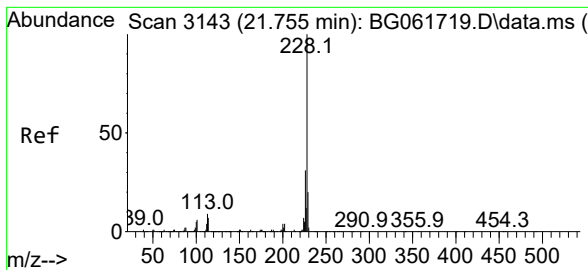
Ion Ratio Lower Upper

228 100

229 21.6 15.8 23.8

226 39.1 21.4 32.2#





#87

Chrysene

Concen: 65.023 ng/ul

RT: 21.757 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG061723.D

Acq: 26 Jun 2024 5:29

Instrument :

BNA_G

ClientSampleId :

C0SJ9

Tgt Ion:228 Resp: 2058304

Ion Ratio Lower Upper

228 100

226 31.3 24.2 36.2

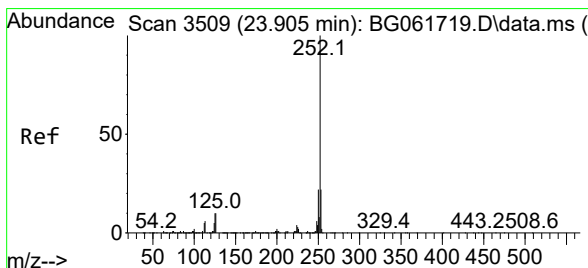
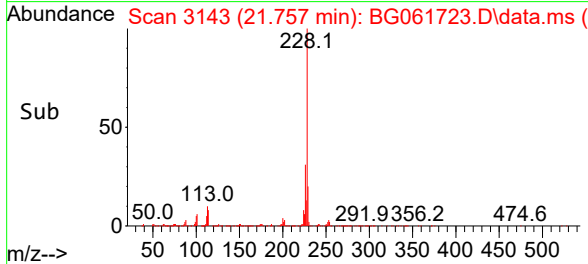
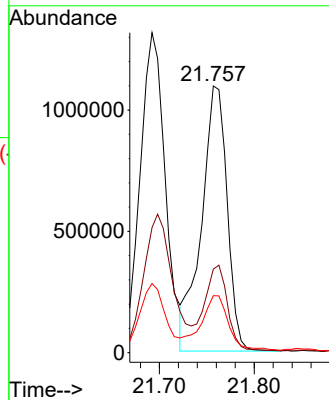
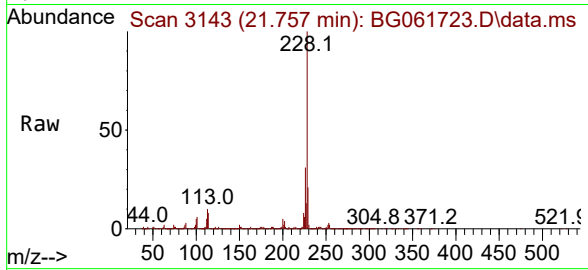
229 21.3 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#90

Benzo(b)fluoranthene

Concen: 43.179 ng/ul

RT: 23.919 min Scan# 3511

Delta R.T. 0.002 min

Lab File: BG061723.D

Acq: 26 Jun 2024 5:29

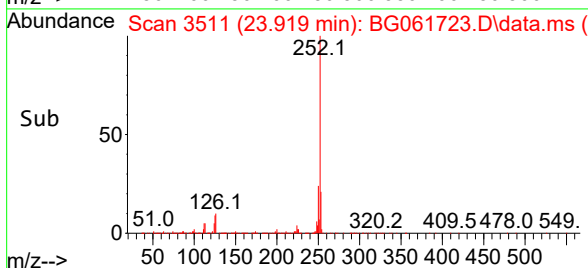
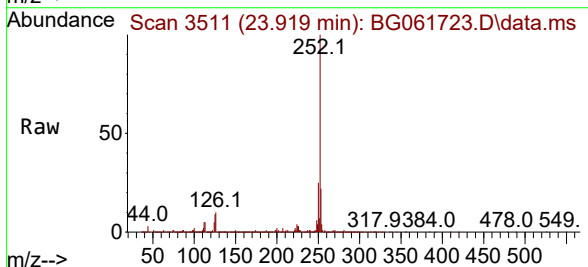
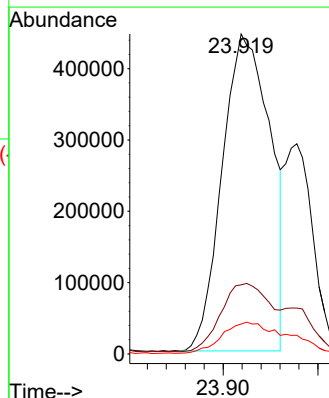
Tgt Ion:252 Resp: 1565905

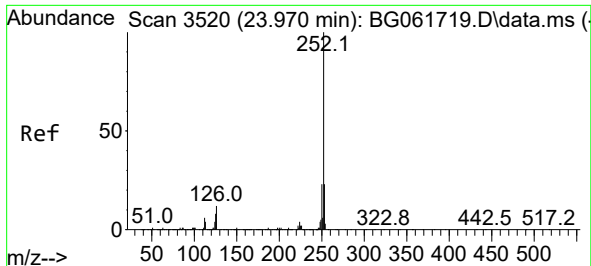
Ion Ratio Lower Upper

252 100

253 21.6 18.6 27.8

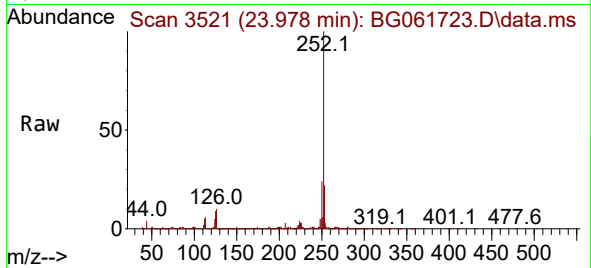
125 9.4 7.0 10.6





#91
Benzo(k)fluoranthene
Concen: 16.032 ng/ul m
RT: 23.978 min Scan# 3521
Delta R.T. -0.003 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29

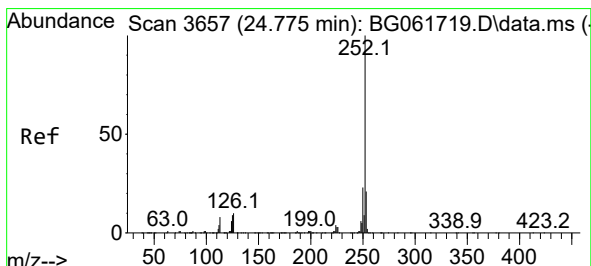
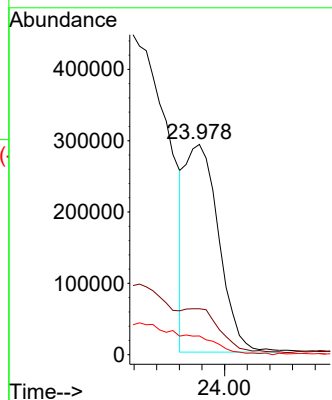
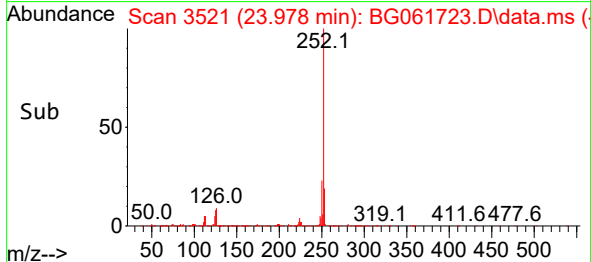
Instrument :
BNA_G
ClientSampleId :
C0SJ9



Tgt Ion:252 Resp: 59795
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.6
125 8.9 6.2 9.2

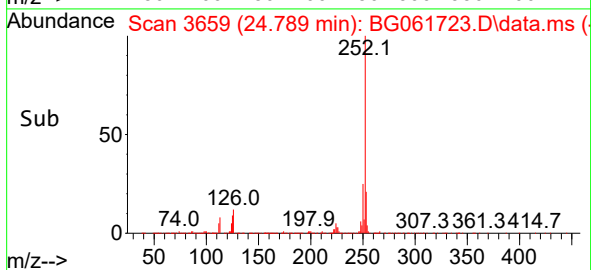
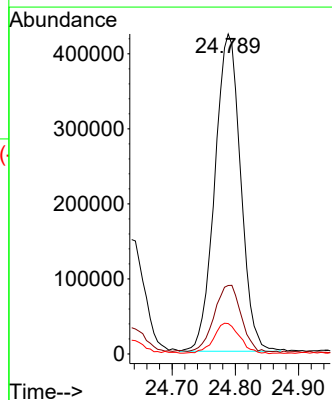
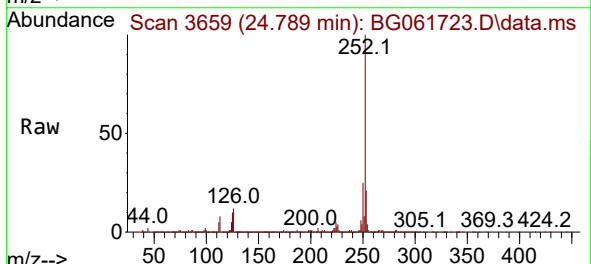
Manual Integrations
APPROVED

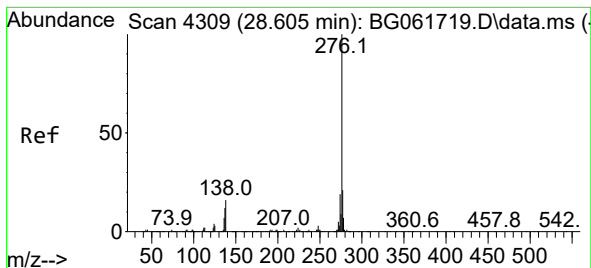
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#93
Benzo(a)pyrene
Concen: 34.417 ng/ul
RT: 24.789 min Scan# 3659
Delta R.T. -0.003 min
Lab File: BG061723.D
Acq: 26 Jun 2024 5:29

Tgt Ion:252 Resp: 1201606
Ion Ratio Lower Upper
252 100
253 21.4 16.8 25.2
125 9.5 6.5 9.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 12.772 ng/ul

RT: 28.608 min Scan# 4318

Delta R.T. -0.009 min

Lab File: BG061723.D

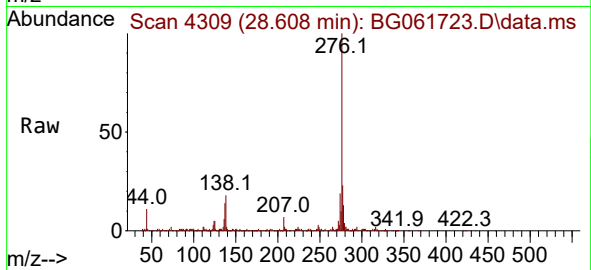
Acq: 26 Jun 2024 5:29

Instrument :

BNA_G

ClientSampleId :

C0SJ9



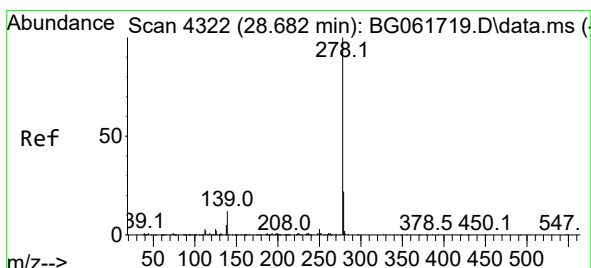
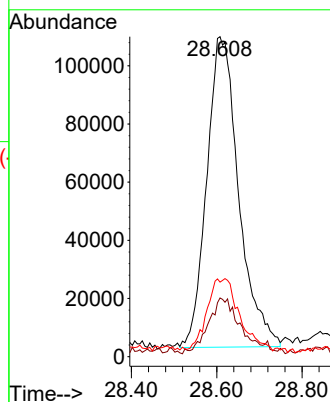
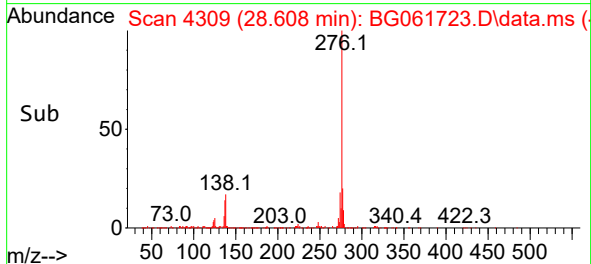
Tgt Ion:	276	Resp:	555658
Ion Ratio	Lower	Upper	
276	100		
138	18.4	12.2	18.4
277	23.3	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#95

Dibenzo(a,h)anthracene

Concen: 6.080 ng/ul m

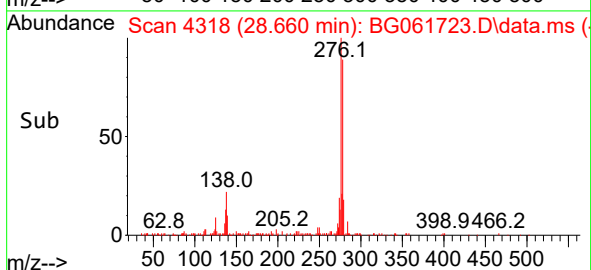
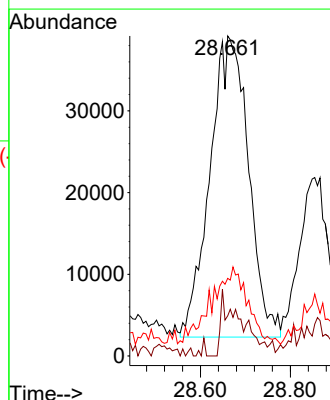
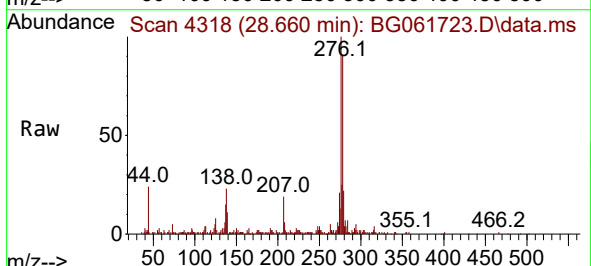
RT: 28.660 min Scan# 4318

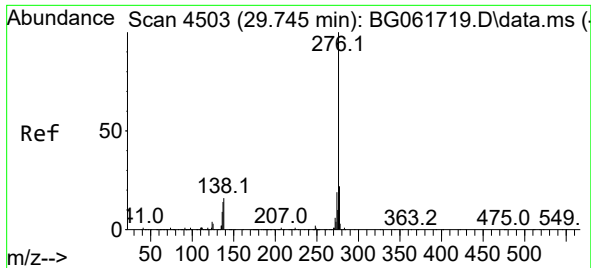
Delta R.T. -0.039 min

Lab File: BG061723.D

Acq: 26 Jun 2024 5:29

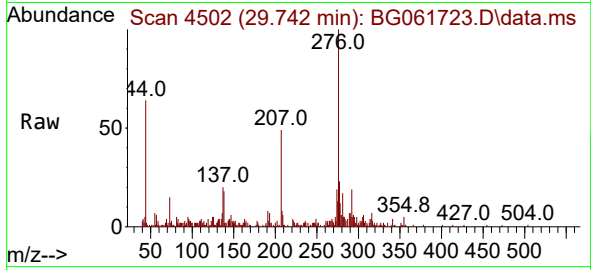
Tgt Ion:	278	Resp:	219944
Ion Ratio	Lower	Upper	
278	100		
139	12.5	9.1	13.7
279	24.2	18.6	28.0





#96
 Benzo(g,h,i)perylene
 Concen: 2.443 ng/ul m
 RT: 29.742 min Scan# 4
 Delta R.T. -0.015 min
 Lab File: BG061723.D
 Acq: 26 Jun 2024 5:29

Instrument :
 BNA_G
 ClientSampleId :
 C0SJ9



Tgt Ion: 276 Resp: 8568
 Ion Ratio Lower Upper
 276 100
 138 18.2 12.2 18.4
 277 23.3 18.6 27.8

Manual Integrations
 APPROVED

Reviewed By : Yogesh Patel 06/27/2024
 Supervised By : mohammad ahmed 06/27/2024

