

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062724\
 Data File : BG061768.D
 Acq On : 28 Jun 2024 12:09
 Operator : MA/JU
 Sample : P2934-14
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CQ0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024
 Supervised By :mohammad ahmed 06/29/2024

Quant Time: Jun 28 12:45:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 27 12:23:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.055	152	85135	20.000	ng/u1	0.00
20) Naphthalene-d8	10.864	136	384057	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.683	164	241674	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.427	188	493140	20.000	ng/u1	0.00
79) Chrysene-d12	21.692	240	365884	20.000	ng/u1	0.00
88) Perylene-d12	24.924	264	422250	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.455	96	11225	4.763	ng/uL	0.00
4) Pyridine-d5	3.878	84	28864	4.051	ng/u1	0.00
7) Phenol-d5	7.203	99	258048	27.921	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.380	67	161005	27.945	ng/u1	0.00
11) 2-Chlorophenol-d4	7.579	132	186130	29.348	ng/u1	0.00
15) 4-Methylphenol-d8	8.749	113	192930	27.003	ng/u1	0.00
21) Nitrobenzene-d5	9.219	128	89037	34.144	ng/u1	0.00
24) 2-Nitrophenol-d4	9.941	143	102314	38.739	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.476	165	190428	30.450	ng/u1	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	14.084	166	557401	29.971	ng/u1	0.00
49) Acenaphthylene-d8	14.377	160	629417	30.882	ng/u1	0.00
54) 4-Nitrophenol-d4	14.859	143	80448	25.187	ng/u1	0.00
60) Fluorene-d10	15.670	176	469360	28.828	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.781	200	60832	28.848	ng/u1	0.00
73) Anthracene-d10	17.527	188	700079	31.101	ng/u1	0.00
81) Pyrene-d10	19.806	212	600991	29.406	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.700	264	418383	20.746	ng/u1	0.01
Target Compounds					Qvalue	
16) Acetophenone	8.878	105	14201	1.207	ng/u1	98
30) Naphthalene	10.917	128	69391	3.229	ng/u1	96
36) 2-Methylnaphthalene	12.521	142	27945	1.843	ng/u1	87
50) Acenaphthylene	14.407	152	58277	2.561	ng/u1#	96
52) Acenaphthene	14.747	153	22619	1.436	ng/u1	93
56) Dibenzofuran	15.076	168	48847	2.215	ng/u1	98
61) Fluorene	15.729	166	29117	1.596	ng/u1#	96
72) Phenanthrene	17.468	178	652458	25.149	ng/u1	99
74) Anthracene	17.562	178	146896	5.537	ng/u1	99
77) Carbazole	17.826	167	48588	2.157	ng/u1#	90
80) Fluoranthene	19.477	202	1192178	50.274	ng/u1	98
82) Pyrene	19.836	202	927390	36.780	ng/u1	98
85) Benzo(a)anthracene	21.675	228	655433	25.520	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.586	149	27909	2.068	ng/u1#	96
87) Chrysene	21.739	228	763945	31.435	ng/u1	99
90) Benzo(b)fluoranthene	23.901	252	1071325	42.207	ng/u1	96
91) Benzo(k)fluoranthene	23.966	252	374862	14.360	ng/u1#	97
93) Benzo(a)pyrene	24.771	252	388295	15.890	ng/u1#	92
94) Indeno(1,2,3-cd)pyrene	28.608	276	490823	16.119	ng/u1	99
95) Dibenzo(a,h)anthracene	28.649	278	184697m	7.294	ng/u1	
96) Benzo(g,h,i)perylene	29.747	276	71956m	2.931	ng/u1	

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

Instrument :

BNA_G

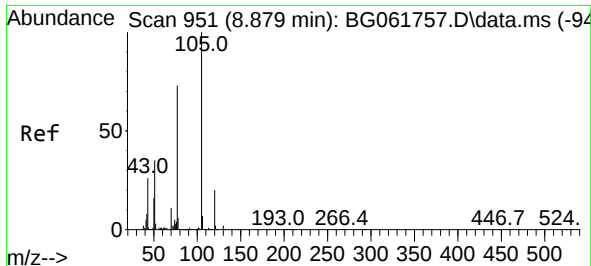
ClientSampleId :

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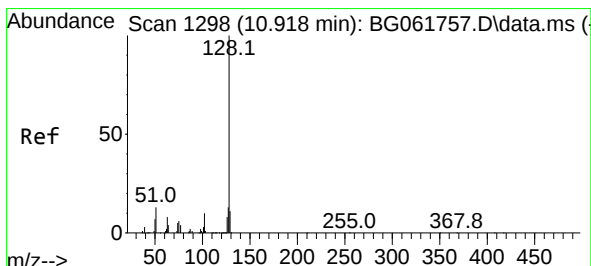
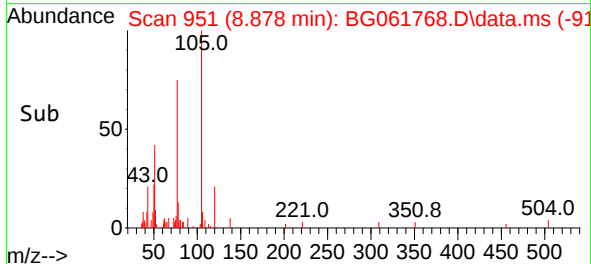
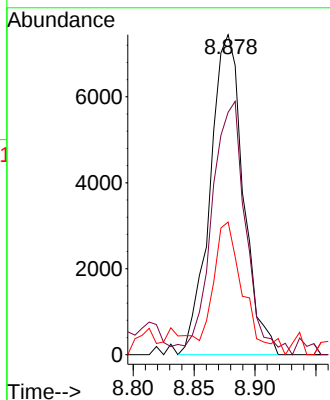
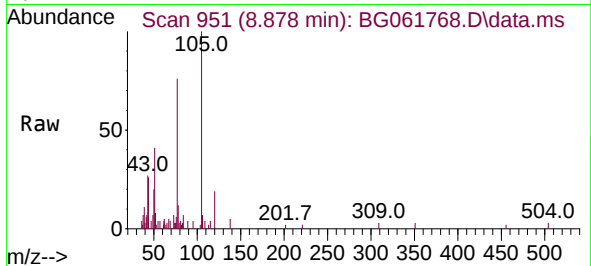
#16
Acetophenone
Concen: 1.207 ng/ul
RT: 8.878 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG061768.D
Acq: 28 Jun 2024 12:09

Instrument :
BNA_G
ClientSampleId :
A4CQ0

Tgt Ion:105 Resp: 1420
Ion Ratio Lower Upper
105 100
77 75.8 60.4 90.6
51 41.4 31.1 46.7

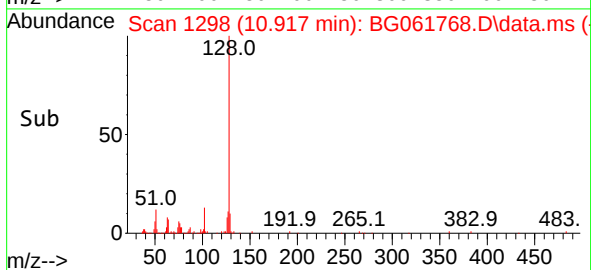
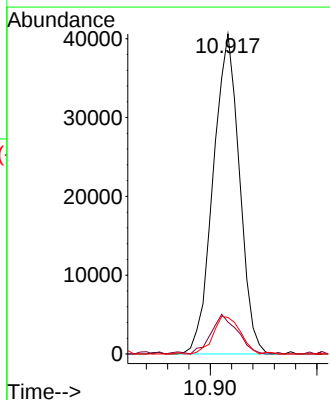
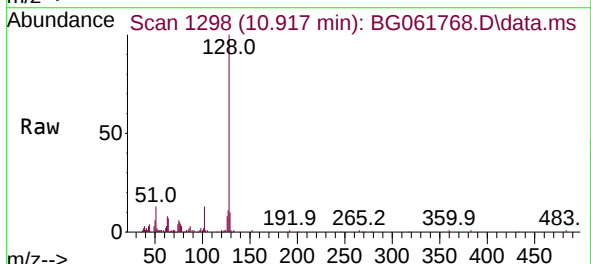
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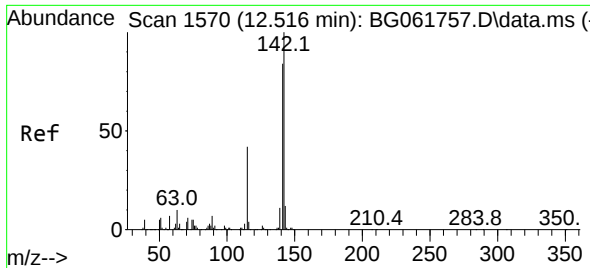
Reviewed By :Jagrut Upadhyay 06/28/2024
Supervised By :mohammad ahmed 06/29/2024



#30
Naphthalene
Concen: 3.229 ng/ul
RT: 10.917 min Scan# 1298
Delta R.T. -0.004 min
Lab File: BG061768.D
Acq: 28 Jun 2024 12:09

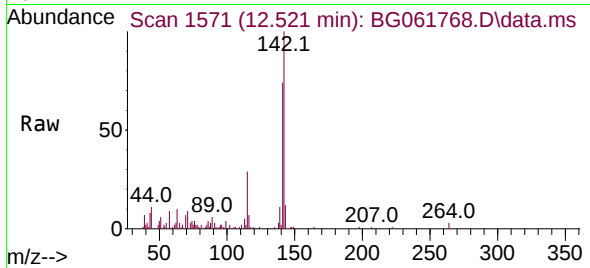
Tgt Ion:128 Resp: 69391
Ion Ratio Lower Upper
128 100
129 9.9 9.0 13.6
127 11.4 10.5 15.7





#36
2-Methylnaphthalene
Concen: 1.843 ng/ul
RT: 12.521 min Scan# 1571
Delta R.T. 0.002 min
Lab File: BG061768.D
Acq: 28 Jun 2024 12:09

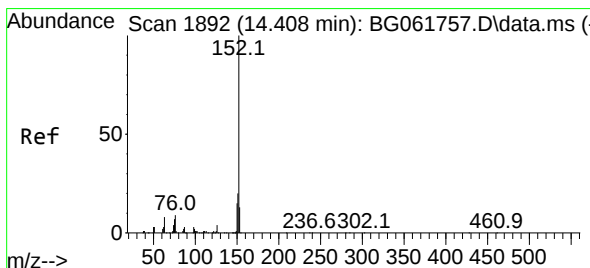
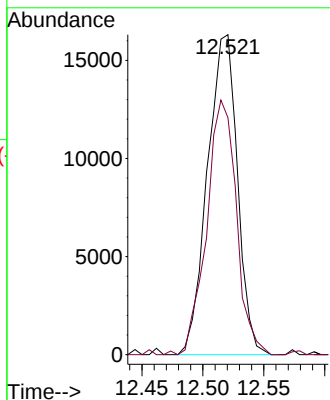
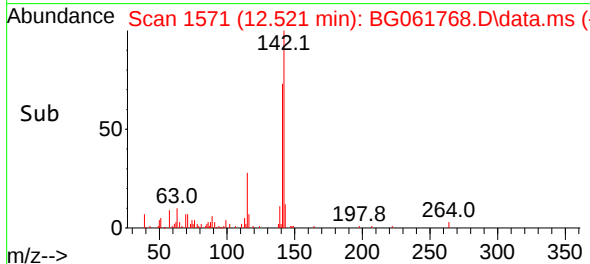
Instrument :
BNA_G
ClientSampleId :
A4CQ0



Tgt Ion:142 Resp: 27945
Ion Ratio Lower Upper
142 100
141 74.1 68.5 102.7

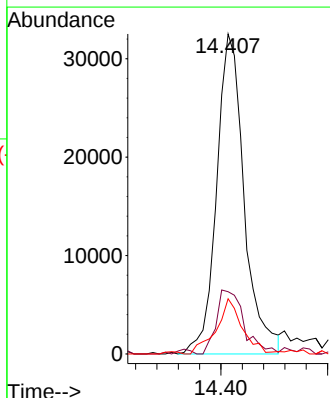
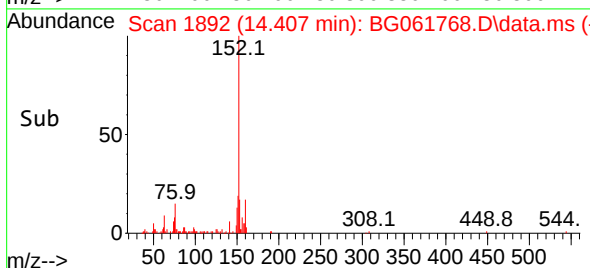
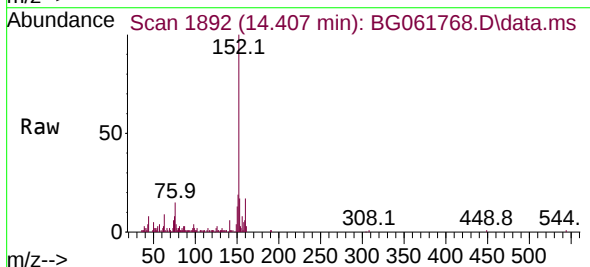
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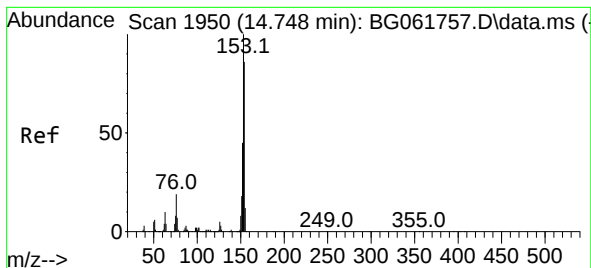
Reviewed By :Jagrut Upadhyay 06/28/2024
Supervised By :mohammad ahmed 06/29/2024



#50
Acenaphthylene
Concen: 2.561 ng/ul
RT: 14.407 min Scan# 1892
Delta R.T. -0.004 min
Lab File: BG061768.D
Acq: 28 Jun 2024 12:09

Tgt Ion:152 Resp: 58277
Ion Ratio Lower Upper
152 100
151 19.5 15.3 22.9
153 17.2 11.0 16.4#





#52

Acenaphthene

Concen: 1.436 ng/ul

RT: 14.747 min Scan# 1950

Delta R.T. -0.004 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Instrument :

BNA_G

ClientSampleId :

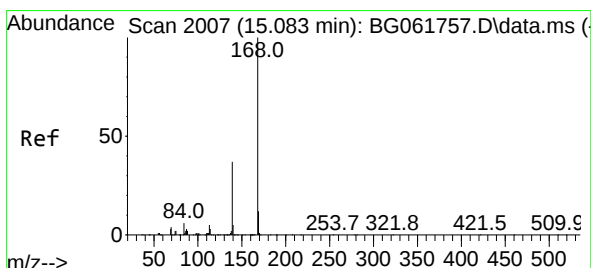
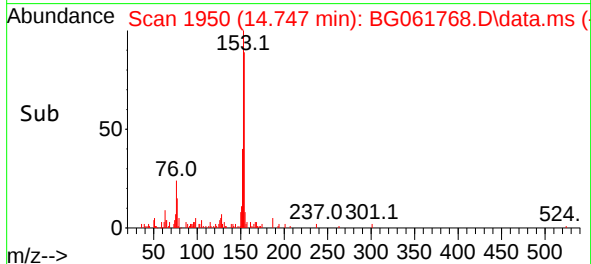
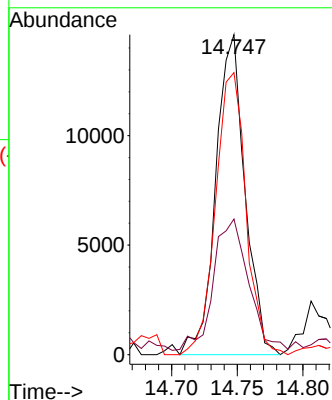
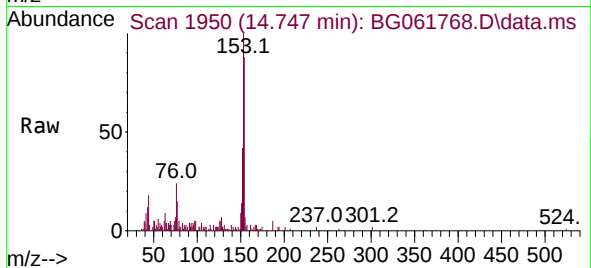
A4CQ0

Tgt Ion:	153	Resp:	22619
Ion Ratio	Lower	Upper	
153	100		
152	42.4	40.0	60.0
154	88.2	74.1	111.1

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Supervised By :mohammad ahmed 06/29/2024



#56

Dibenzofuran

Concen: 2.215 ng/ul

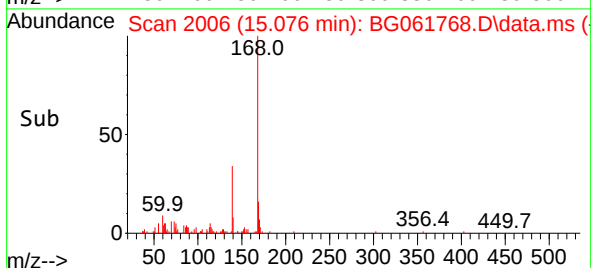
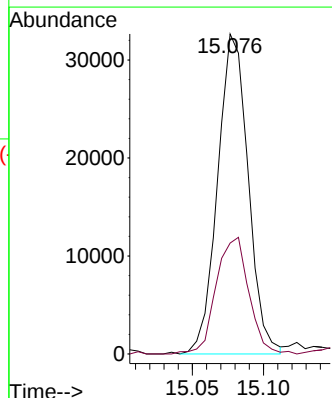
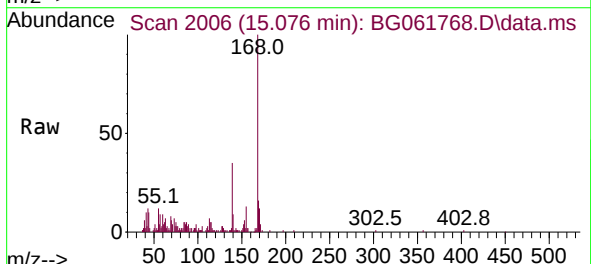
RT: 15.076 min Scan# 2006

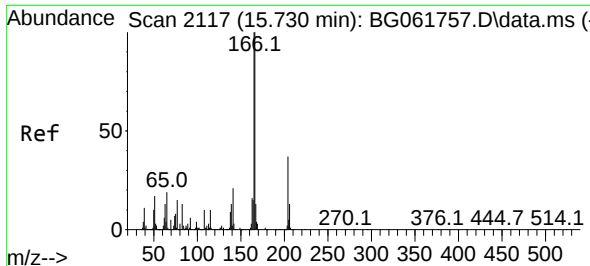
Delta R.T. -0.010 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

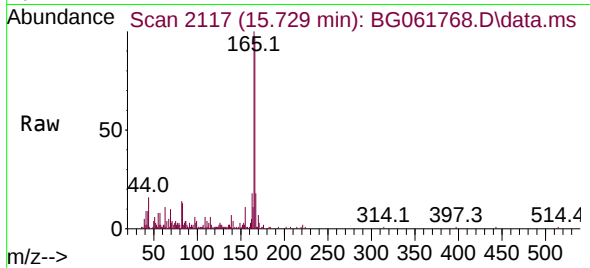
Tgt Ion:	168	Resp:	48847
Ion Ratio	Lower	Upper	
168	100		
139	34.6	27.0	40.4





#61
Fluorene
Concen: 1.596 ng/ul
RT: 15.729 min Scan# 2117
Delta R.T. -0.004 min
Lab File: BG061768.D
Acq: 28 Jun 2024 12:09

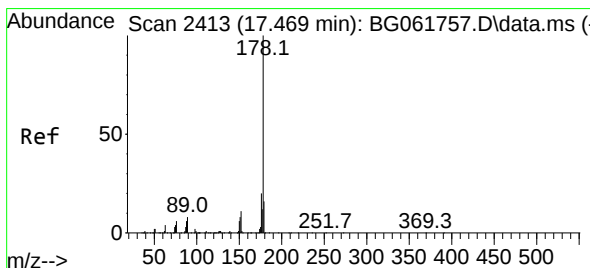
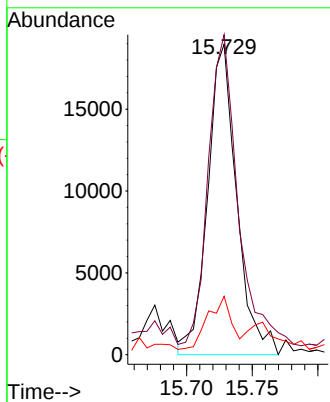
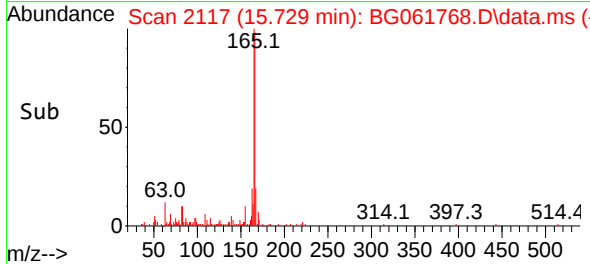
Instrument :
BNA_G
ClientSampleId :
A4CQ0



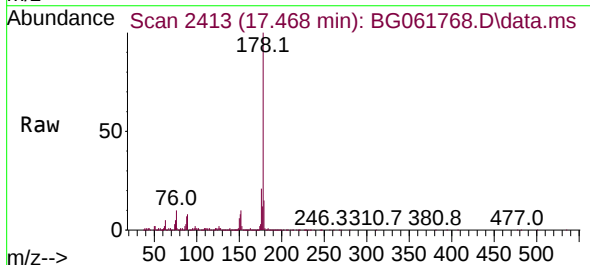
Tgt Ion:166 Resp: 29117
Ion Ratio Lower Upper
166 100
165 103.0 84.9 127.3
167 18.8 10.9 16.3

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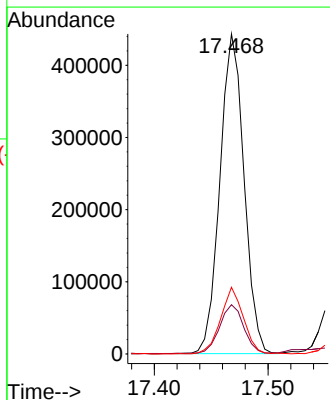
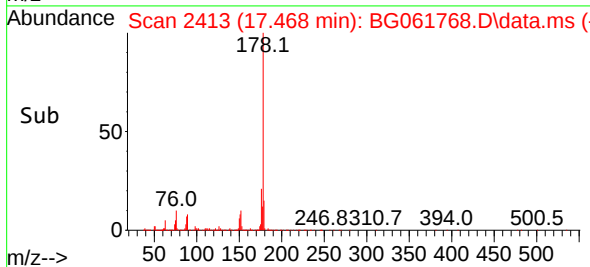
Reviewed By :Jagrut Upadhyay 06/28/2024
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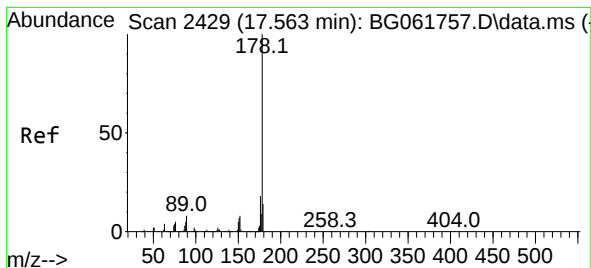


#72
Phenanthrene
Concen: 25.149 ng/ul
RT: 17.468 min Scan# 2413
Delta R.T. -0.004 min
Lab File: BG061768.D
Acq: 28 Jun 2024 12:09



Tgt Ion:178 Resp: 652458
Ion Ratio Lower Upper
178 100
179 15.4 12.0 18.0
176 20.8 16.2 24.2





#74

Anthracene

Concen: 5.537 ng/ul

RT: 17.562 min Scan# 2429

Delta R.T. -0.004 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Instrument :

BNA_G

ClientSampleId :

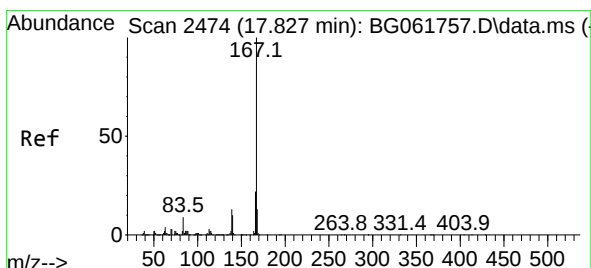
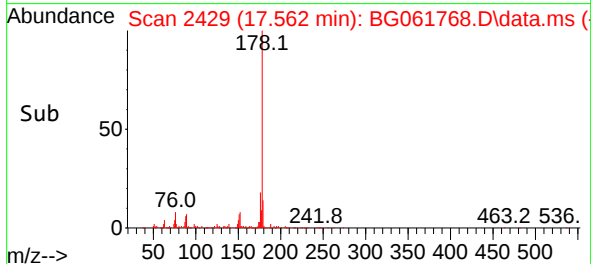
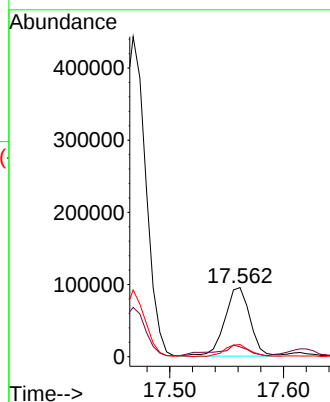
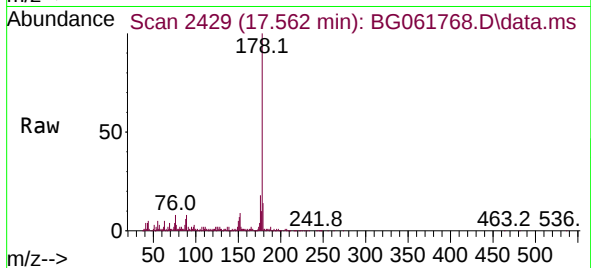
A4CQ0

Tgt Ion:178 Resp: 146890
 Ion Ratio Lower Upper
 178 100
 179 14.0 11.4 17.2
 176 17.6 14.7 22.1

Manual Integrations

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#77

Carbazole

Concen: 2.157 ng/ul

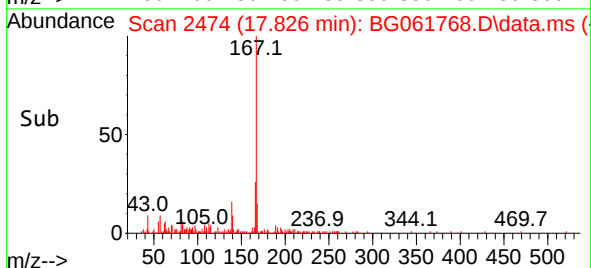
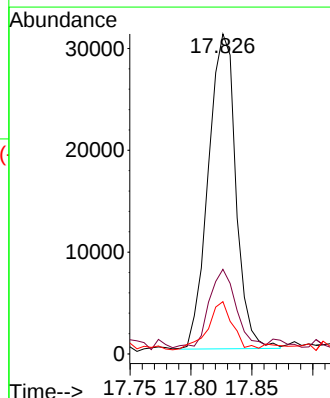
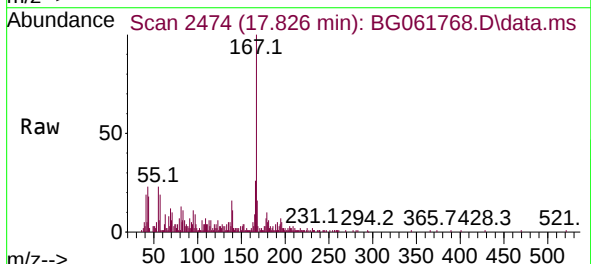
RT: 17.826 min Scan# 2474

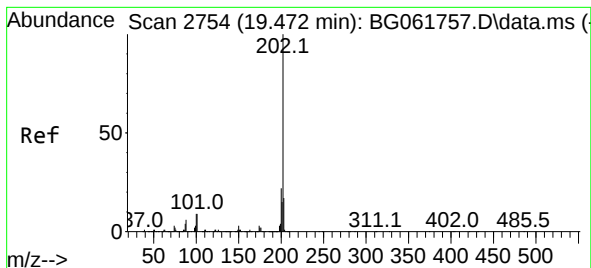
Delta R.T. -0.004 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Tgt Ion:167 Resp: 48588
 Ion Ratio Lower Upper
 167 100
 166 26.4 17.5 26.3#
 139 16.3 9.4 14.2#





#80

Fluoranthene

Concen: 50.274 ng/ul

RT: 19.477 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Instrument :

BNA_G

ClientSampleId :

A4CQ0

Tgt Ion:202 Resp: 1192178

Ion Ratio Lower Upper

202 100

101 10.1 7.8 11.6

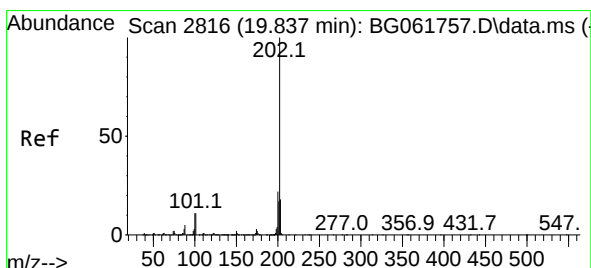
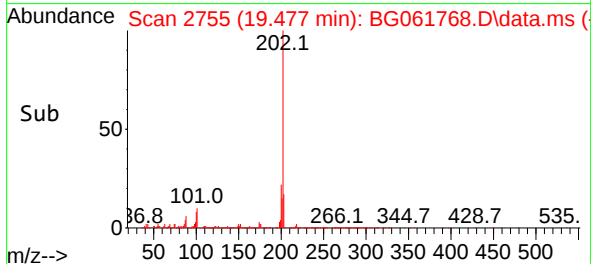
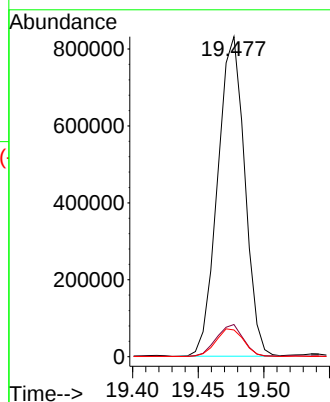
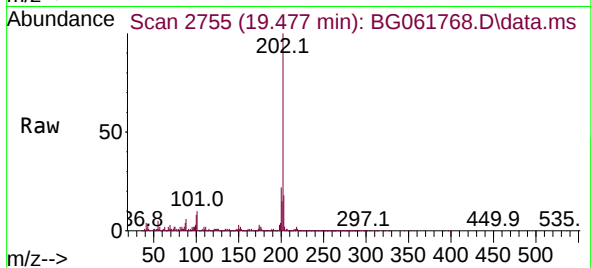
100 8.4 7.7 11.5

Manual Integrations

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Supervised By :mohammad ahmed 06/29/2024



#82

Pyrene

Concen: 36.780 ng/ul

RT: 19.836 min Scan# 2816

Delta R.T. -0.004 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

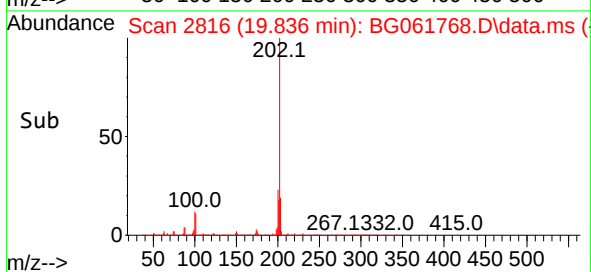
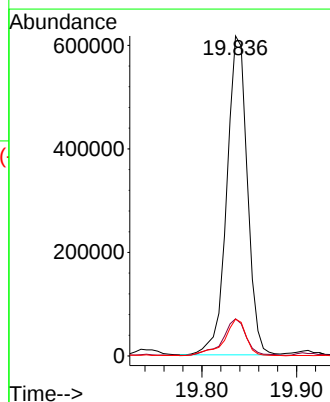
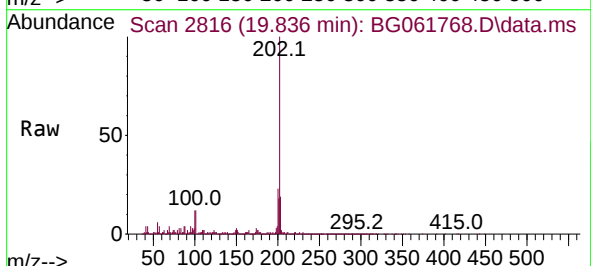
Tgt Ion:202 Resp: 927390

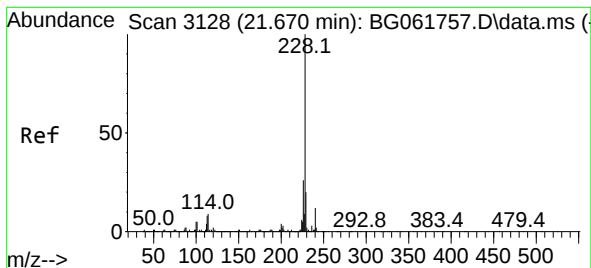
Ion Ratio Lower Upper

202 100

101 11.6 10.1 15.1

100 11.5 9.9 14.9





#85

Benzo(a)anthracene

Concen: 25.520 ng/ul

RT: 21.675 min Scan# 3112

Delta R.T. 0.002 min

Lab File: BG061768.D

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BNA_G

ClientSampleId :

A4CQ0

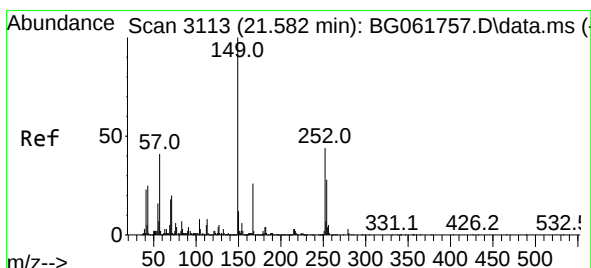
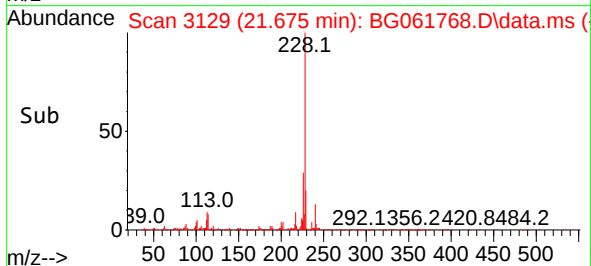
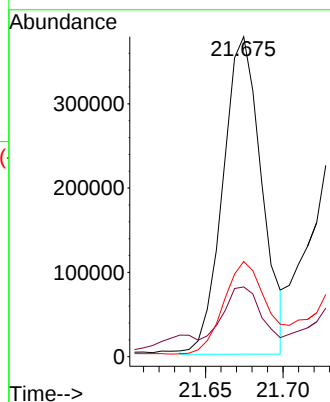
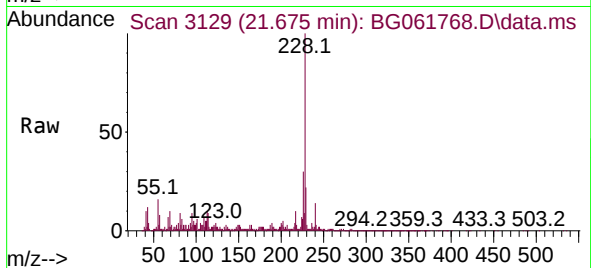
Tgt Ion:228 Resp: 65543

Ion	Ratio	Lower	Upper
228	100		
229	21.8	15.8	23.8
226	29.8	21.4	32.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024
Supervised By :mohammad ahmed 06/29/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.068 ng/ul

RT: 21.586 min Scan# 3114

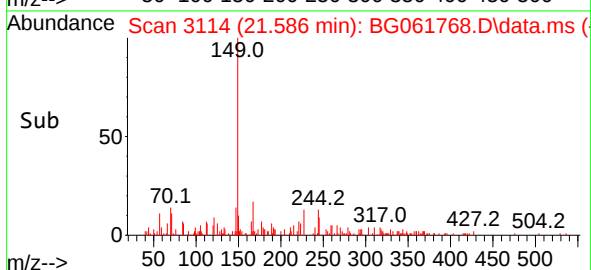
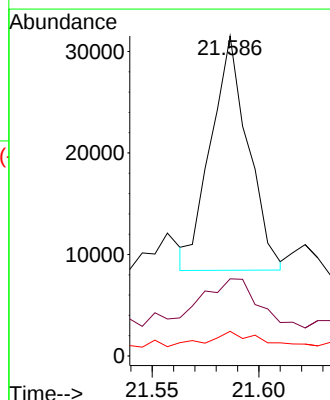
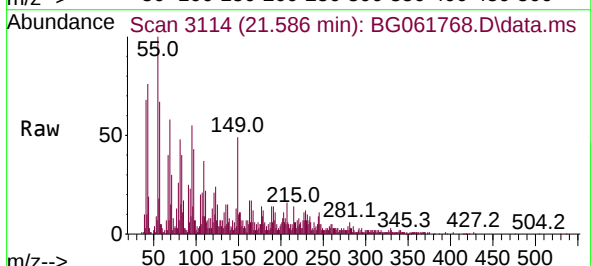
Delta R.T. -0.004 min

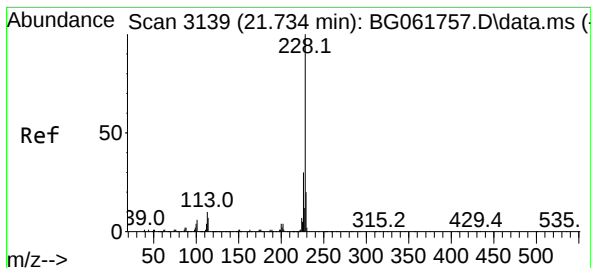
Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Tgt Ion:149 Resp: 27909

Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.5	30.7
279	7.7	2.9	4.3





#87

Chrysene

Concen: 31.435 ng/ul

RT: 21.739 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Instrument :

BNA_G

ClientSampleId :

A4CQ0

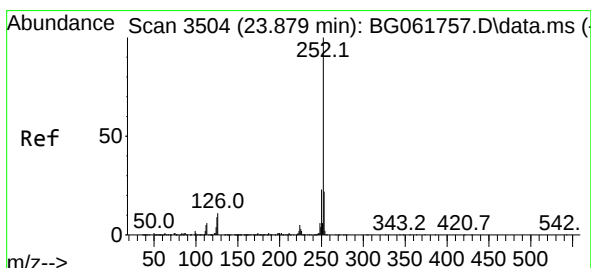
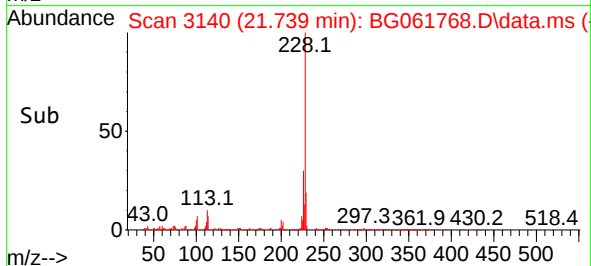
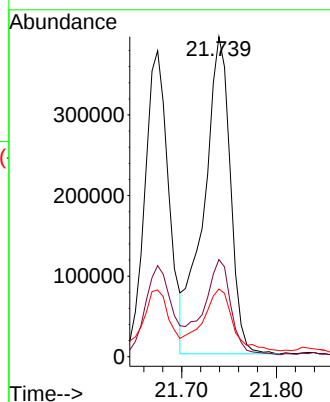
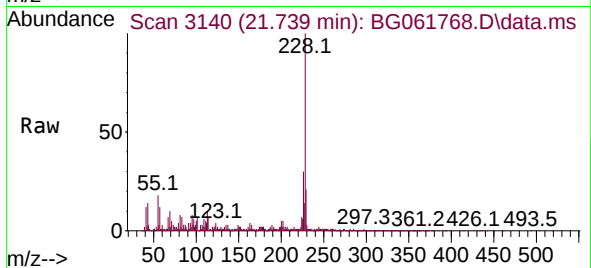
Tgt Ion:228 Resp: 76394

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	21.2	16.5	24.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024
Supervised By :mohammad ahmed 06/29/2024



#90

Benzo(b)fluoranthene

Concen: 42.207 ng/ul

RT: 23.901 min Scan# 3508

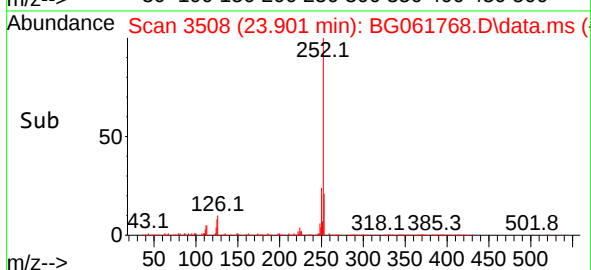
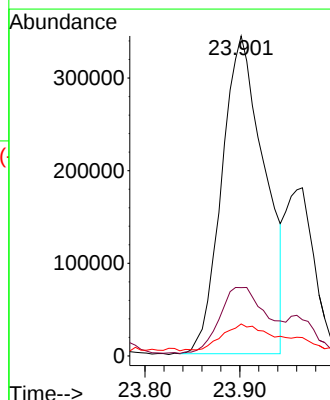
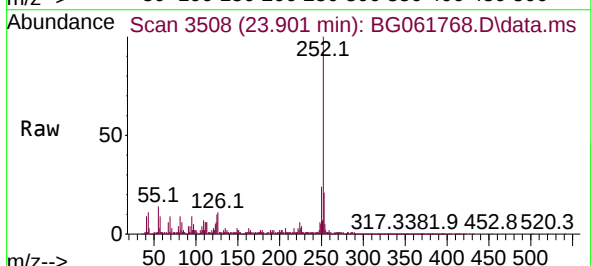
Delta R.T. 0.014 min

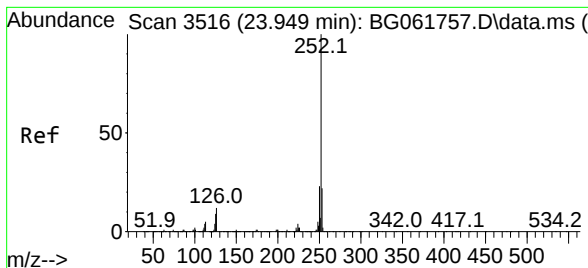
Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Tgt Ion:252 Resp: 1071325

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.6	27.8
125	10.0	7.0	10.6





#91

Benzo(k)fluoranthene

Concen: 14.360 ng/ul

RT: 23.966 min Scan# 3516

Delta R.T. 0.008 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Instrument :

BNA_G

ClientSampleId :

A4CQ0

Tgt Ion:252 Resp: 374862

Ion Ratio Lower Upper

252 100

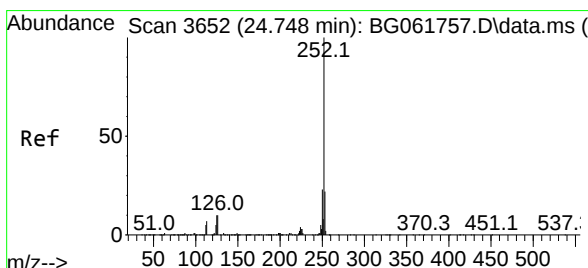
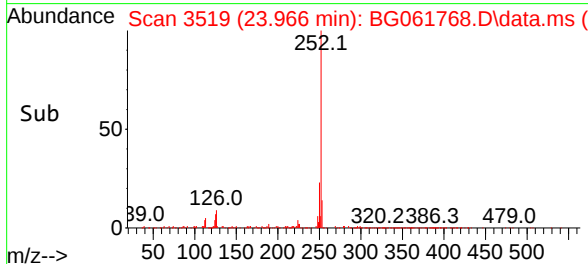
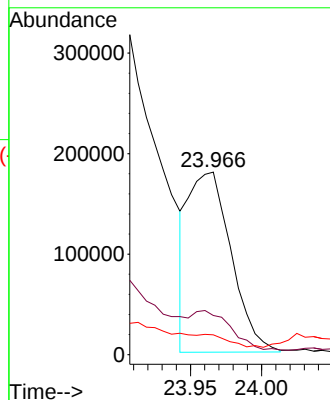
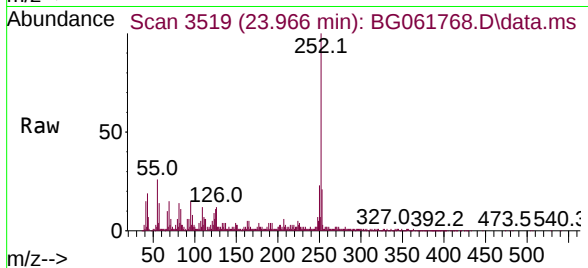
253 21.5 17.8 26.6

125 10.9 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024
Supervised By :mohammad ahmed 06/29/2024



#93

Benzo(a)pyrene

Concen: 15.890 ng/ul

RT: 24.771 min Scan# 3656

Delta R.T. 0.008 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

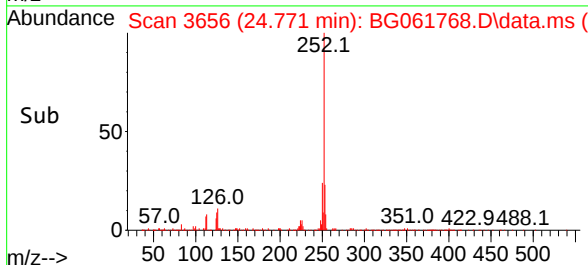
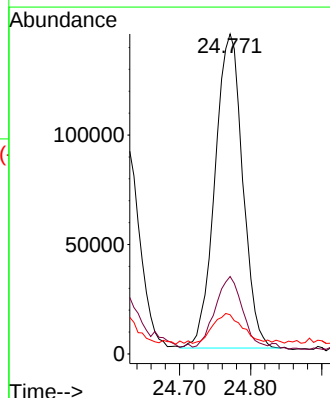
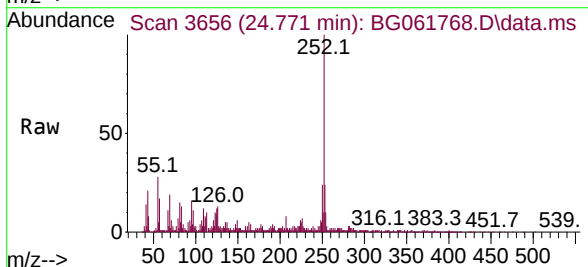
Tgt Ion:252 Resp: 388295

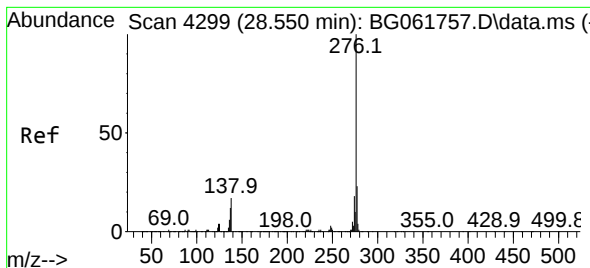
Ion Ratio Lower Upper

252 100

253 24.2 16.8 25.2

125 12.2 6.5 9.7





#94

Indeno(1,2,3-cd)pyrene

Concen: 16.119 ng/ul

RT: 28.608 min Scan# 41

Delta R.T. 0.043 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

Instrument :

BNA_G

ClientSampleId :

A4CQ0

Tgt Ion:276 Resp: 49082

Ion Ratio Lower Upper

276 100

138 16.4 12.2 18.4

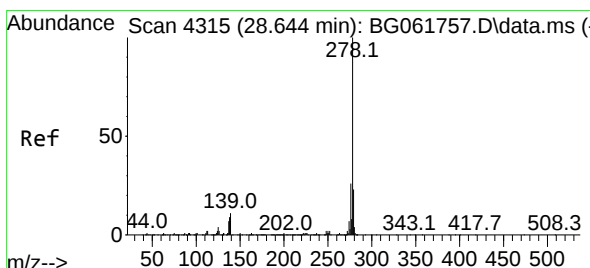
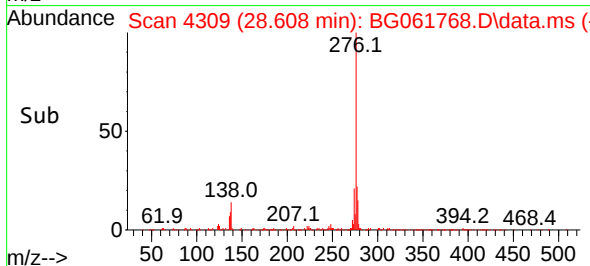
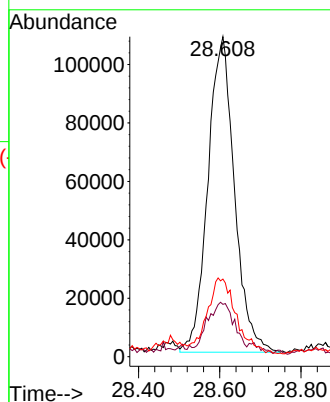
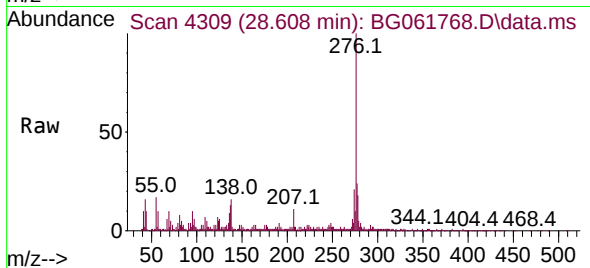
277 24.2 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024

Supervised By :mohammad ahmed 06/29/2024



#95

Dibenzo(a,h)anthracene

Concen: 7.294 ng/ul m

RT: 28.649 min Scan# 4316

Delta R.T. 0.014 min

Lab File: BG061768.D

Acq: 28 Jun 2024 12:09

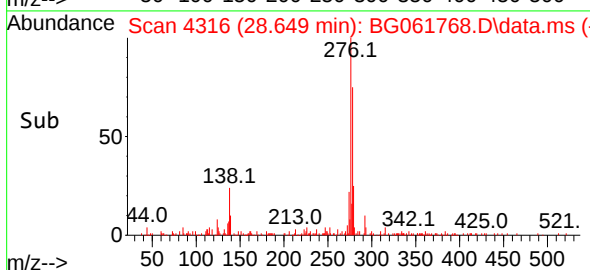
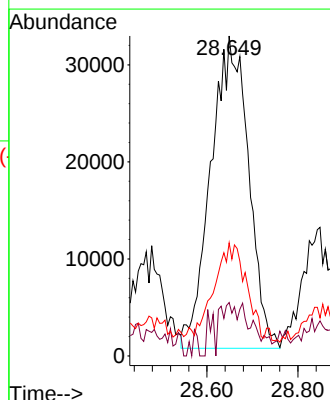
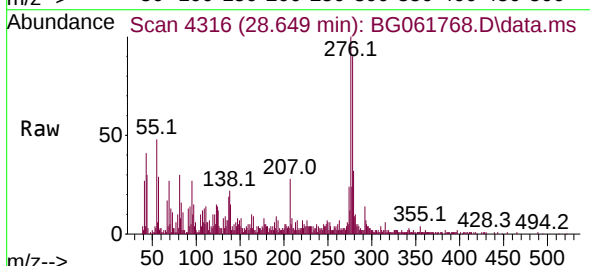
Tgt Ion:278 Resp: 184697

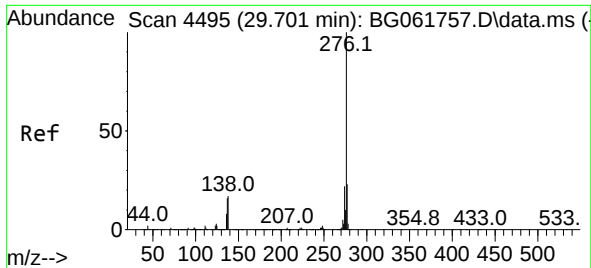
Ion Ratio Lower Upper

278 100

139 16.7 9.1 13.7#

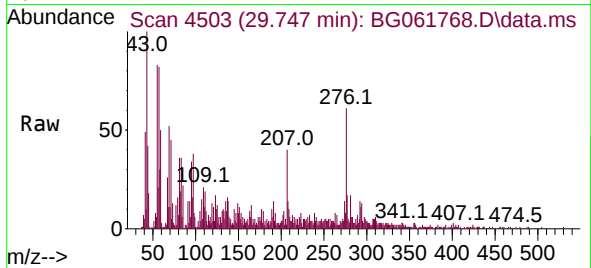
279 35.4 18.6 28.0#





#96
Benzo(g,h,i)perylene
Concen: 2.931 ng/ul m
RT: 29.747 min Scan# 4
Delta R.T. 0.037 min
Lab File: BG061768.D
Acq: 28 Jun 2024 12:09

Instrument :
BNA_G
ClientSampleId :
A4CQ0



Tgt Ion:276 Resp: 71950
Ion Ratio Lower Upper
276 100
138 23.0 12.2 18.4
277 28.1 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/28/2024
Supervised By :mohammad ahmed 06/29/2024

