

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072224\
 Data File : BG062169.D
 Acq On : 22 Jul 2024 20:18
 Operator : MA/JU
 Sample : P3263-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BB2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 22 23:30:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jul 19 14:38:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.064	152	40051	20.000	ng/u1	0.00
20) Naphthalene-d8	10.878	136	170822	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.696	164	152110	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.440	188	387823	20.000	ng/u1	0.00
79) Chrysene-d12	21.699	240	370362	20.000	ng/u1	# 0.00
88) Perylene-d12	24.935	264	395839	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.459	96	3042	3.546	ng/uL	0.00
4) Pyridine-d5	3.887	84	9812	3.148	ng/u1	0.01
7) Phenol-d5	7.242	99	83666	21.219	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.388	67	49887	22.020	ng/u1	0.00
11) 2-Chlorophenol-d4	7.600	132	53996	21.730	ng/u1	0.00
15) 4-Methylphenol-d8	8.781	113	67947	22.627	ng/u1	0.00
21) Nitrobenzene-d5	9.233	128	29402	21.604	ng/u1	0.00
24) 2-Nitrophenol-d4	9.956	143	35933	21.936	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.508	165	80939	23.604	ng/u1	0.00
31) 4-Chloroaniline-d4	11.013	131	71124	17.242	ng/u1	0.00
46) Dimethylphthalate-d6	14.091	166	285906	22.175	ng/u1	0.00
49) Acenaphthylene-d8	14.391	160	305234	23.348	ng/u1	0.00
54) 4-Nitrophenol-d4	14.919	143	31618	20.350	ng/u1	0.00
60) Fluorene-d10	15.683	176	265382	24.175	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.807	200	45338	18.396	ng/u1	0.00
73) Anthracene-d10	17.534	188	437602	24.155	ng/u1	0.00
81) Pyrene-d10	19.819	212	471654	22.461	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.712	264	332791	16.818	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.925	128	16567	1.798	ng/u1#	85
52) Acenaphthene	14.755	153	29701	3.139	ng/u1	94
56) Dibenzofuran	15.090	168	24613	1.728	ng/u1	97
61) Fluorene	15.736	166	40463	3.312	ng/u1	99
72) Phenanthrene	17.481	178	605540	32.446	ng/u1	96
74) Anthracene	17.575	178	102708	5.346	ng/u1	97
77) Carbazole	17.845	167	46608	2.853	ng/u1	99
80) Fluoranthene	19.484	202	754908	31.338	ng/u1	99
82) Pyrene	19.848	202	564500	22.537	ng/u1	99
85) Benzo(a)anthracene	21.681	228	343216	13.203	ng/u1	99
87) Chrysene	21.746	228	325361m	13.614	ng/u1	
90) Benzo(b)fluoranthene	23.907	252	330333	13.507	ng/u1	95
91) Benzo(k)fluoranthene	23.966	252	115652m	4.737	ng/u1	
93) Benzo(a)pyrene	24.777	252	126391	5.518	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.624	276	105046m	3.992	ng/u1	
95) Dibenzo(a,h)anthracene	28.666	278	48012m	2.200	ng/u1	

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

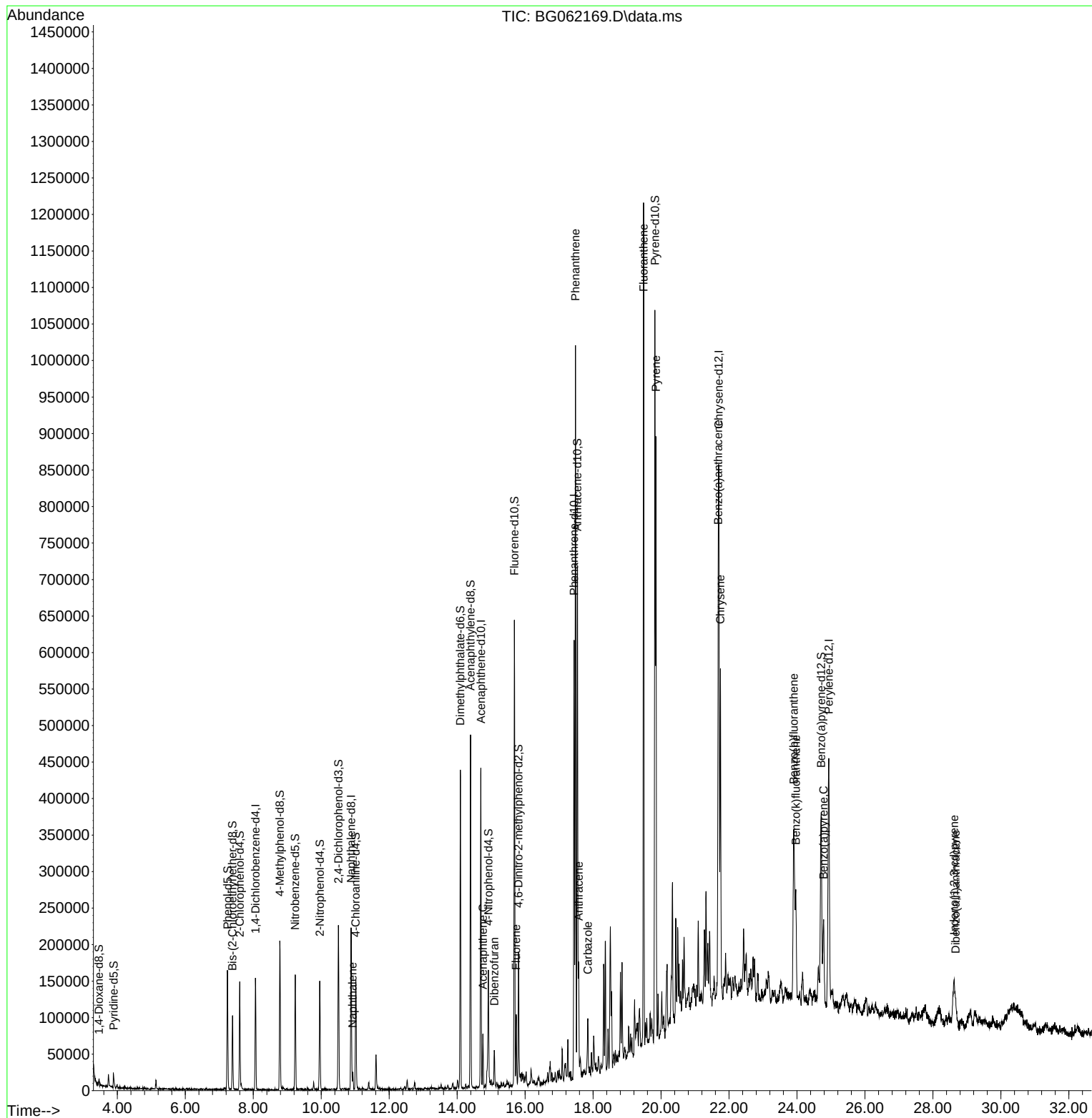
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072224\
Data File : BG062169.D
Acq On : 22 Jul 2024 20:18
Operator : MA/JU
Sample : P3263-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

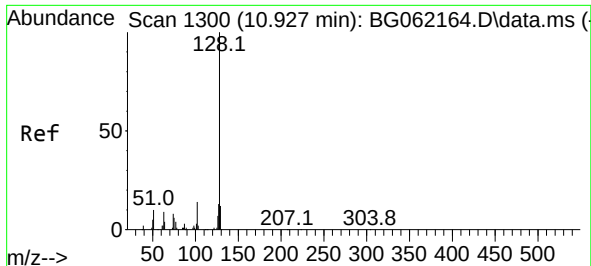
Instrument :
BNA_G
ClientSampleId :
A4BB2

Manual Integrations
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Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

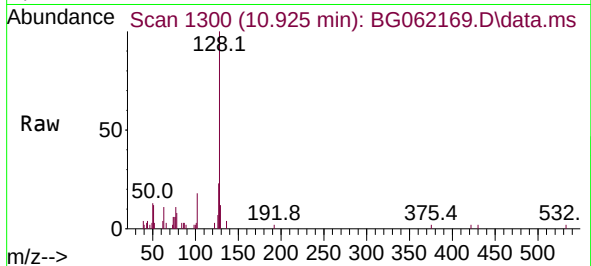
Quant Time: Jul 22 23:30:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG071924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 19 14:38:52 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.798 ng/ul
RT: 10.925 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG062169.D
Acq: 22 Jul 2024 20:18

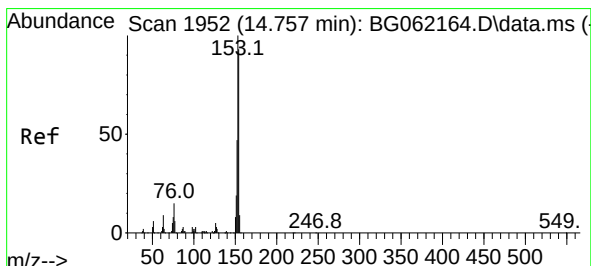
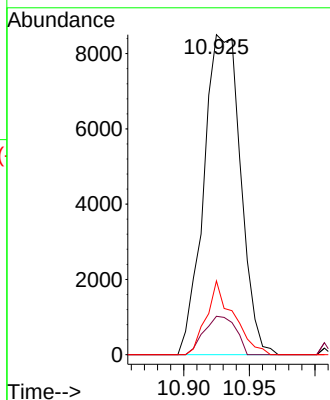
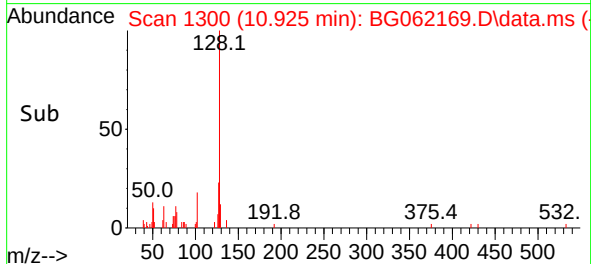
Instrument :
BNA_G
ClientSampleId :
A4BB2



Tgt Ion:128 Resp: 1656
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 23.1 10.6 15.8

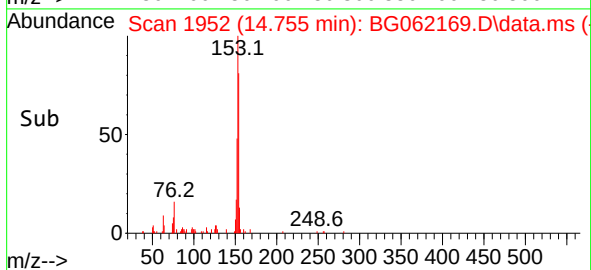
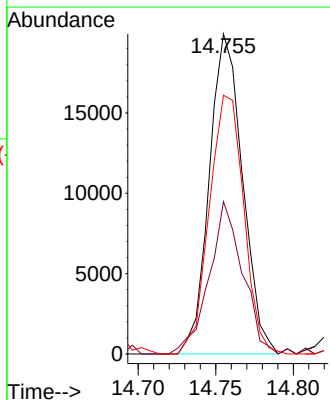
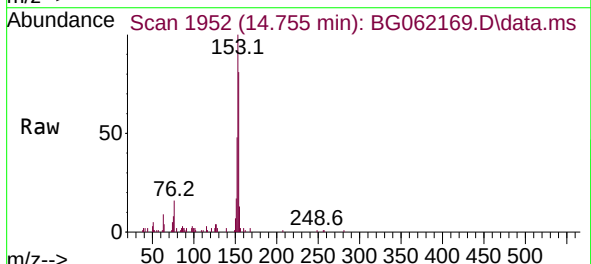
Manual Integrations
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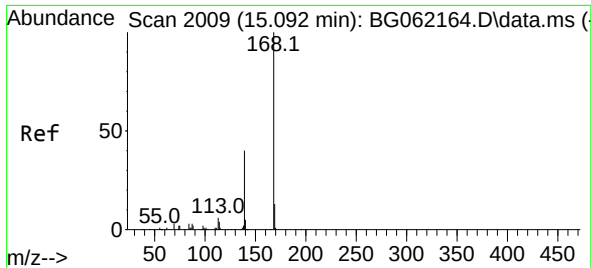
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#52
Acenaphthene
Concen: 3.139 ng/ul
RT: 14.755 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BG062169.D
Acq: 22 Jul 2024 20:18

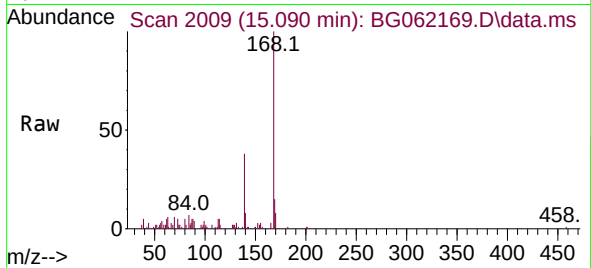
Tgt Ion:153 Resp: 29701
Ion Ratio Lower Upper
153 100
152 47.6 38.2 57.4
154 80.8 71.0 106.6





#56
Dibenzenofuran
Concen: 1.728 ng/ul
RT: 15.090 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BG062169.D
Acq: 22 Jul 2024 20:18

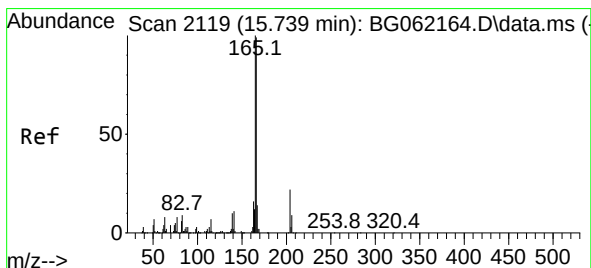
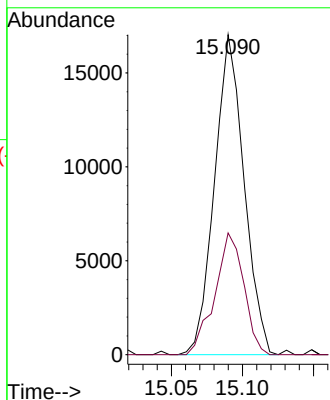
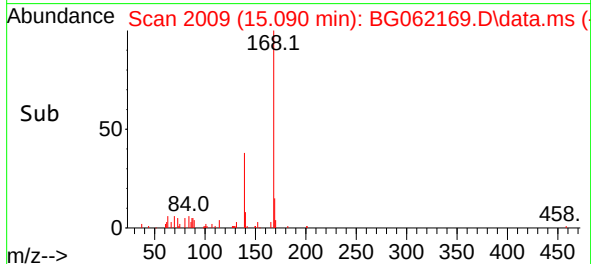
Instrument :
BNA_G
ClientSampleId :
A4BB2



Tgt Ion:168 Resp: 2461
Ion Ratio Lower Upper
168 100
139 38.1 31.8 47.6

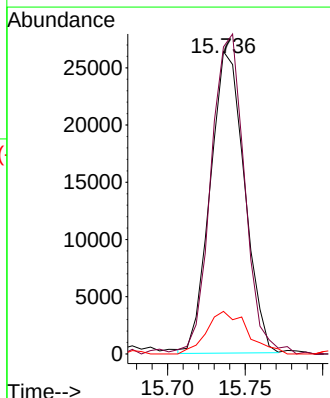
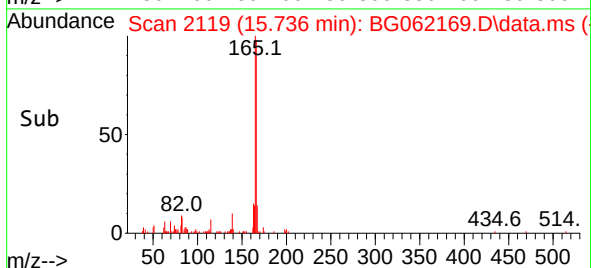
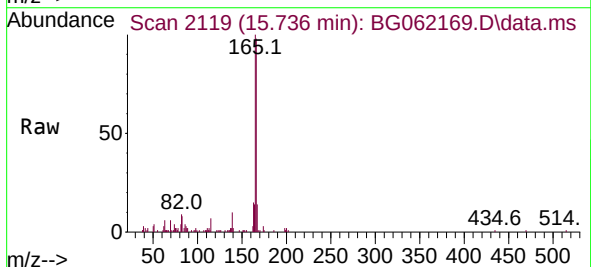
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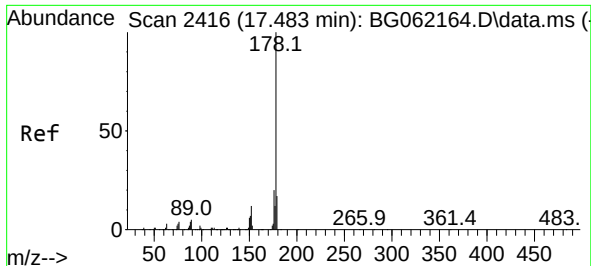
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#61
Fluorene
Concen: 3.312 ng/ul
RT: 15.736 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BG062169.D
Acq: 22 Jul 2024 20:18

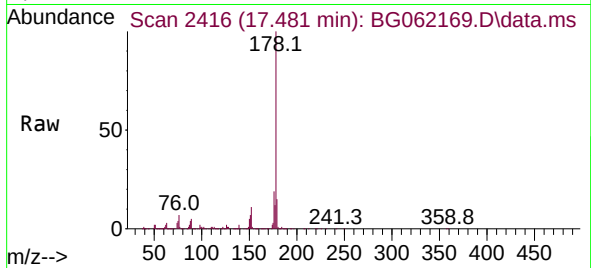
Tgt Ion:166 Resp: 40463
Ion Ratio Lower Upper
166 100
165 101.5 80.2 120.2
167 14.0 10.9 16.3





#72
Phenanthrene
Concen: 32.446 ng/u1
RT: 17.481 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BG062169.D
Acq: 22 Jul 2024 20:18

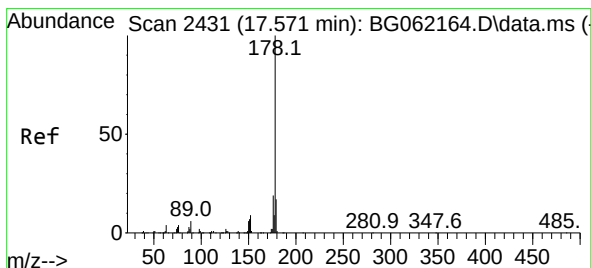
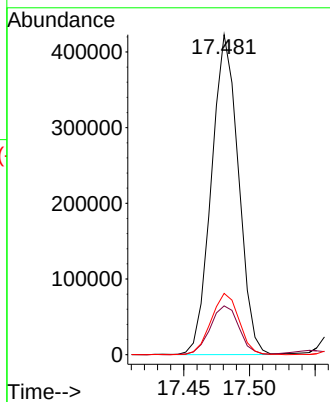
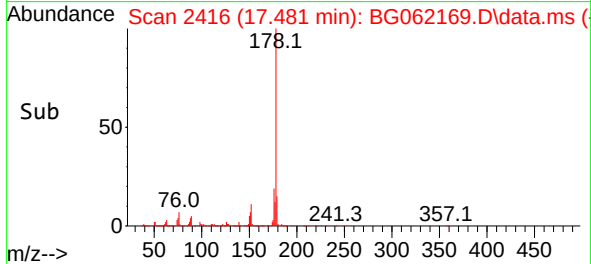
Instrument :
BNA_G
ClientSampleId :
A4BB2



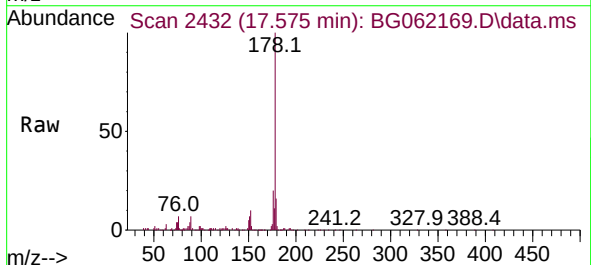
Tgt Ion:178 Resp: 605540
Ion Ratio Lower Upper
178 100
179 15.3 14.1 21.1
176 19.1 16.3 24.5

Manual Integrations
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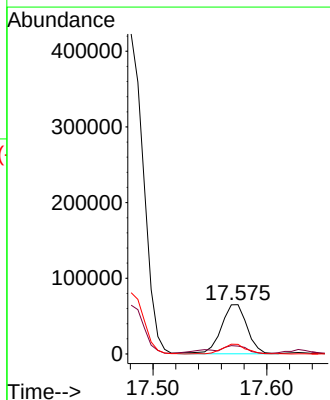
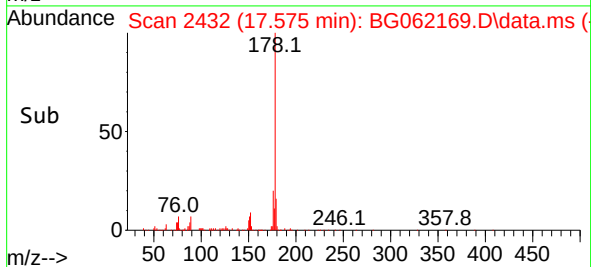
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024

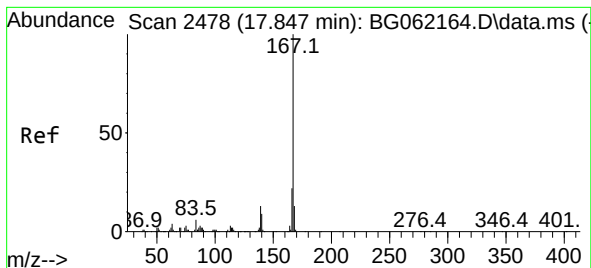


#74
Anthracene
Concen: 5.346 ng/u1
RT: 17.575 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BG062169.D
Acq: 22 Jul 2024 20:18



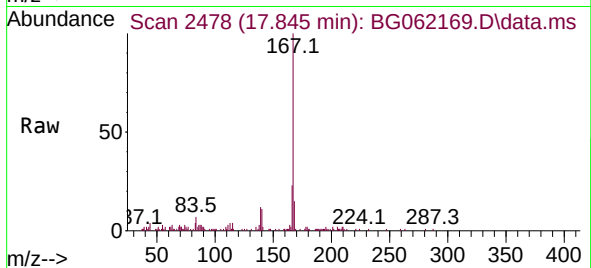
Tgt Ion:178 Resp: 102708
Ion Ratio Lower Upper
178 100
179 15.9 13.9 20.9
176 19.6 16.3 24.5





#77
 Carbazole
 Concen: 2.853 ng/ul
 RT: 17.845 min Scan# 2478
 Delta R.T. 0.000 min
 Lab File: BG062169.D
 Acq: 22 Jul 2024 20:18

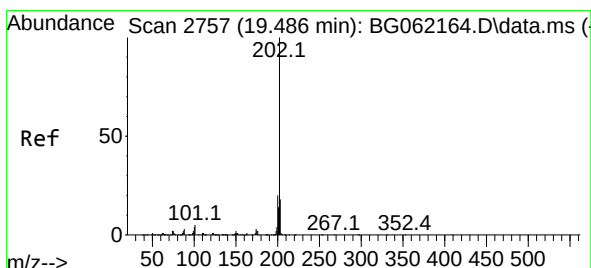
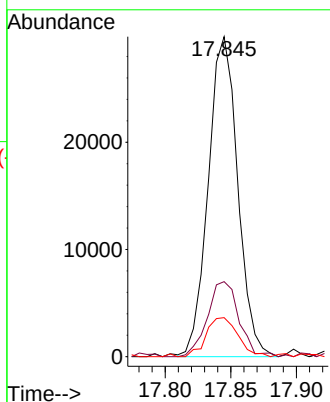
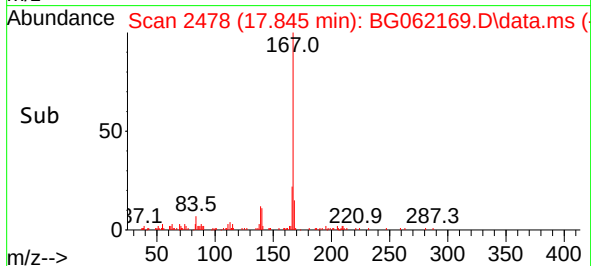
Instrument :
 BNA_G
 ClientSampleId :
 A4BB2



Tgt Ion:167 Resp: 46608
 Ion Ratio Lower Upper
 167 100
 166 23.5 18.5 27.7
 139 12.2 9.8 14.8

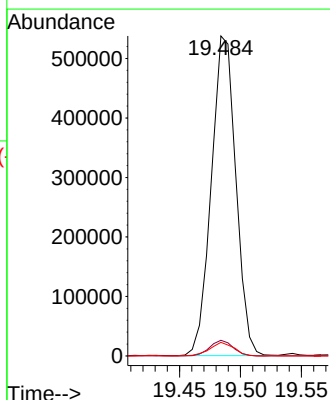
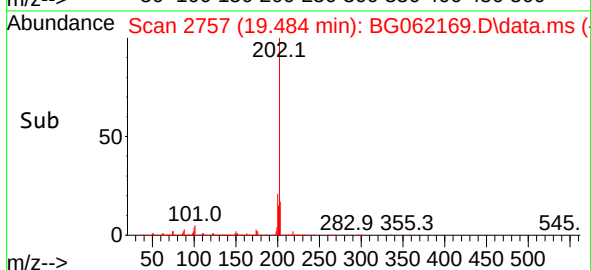
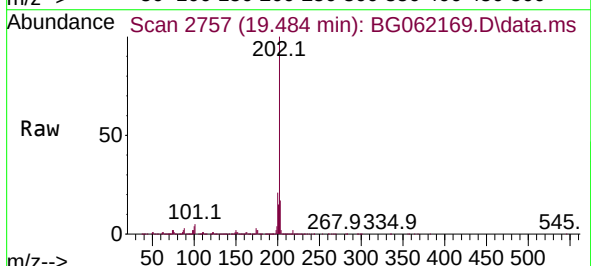
Manual Integrations
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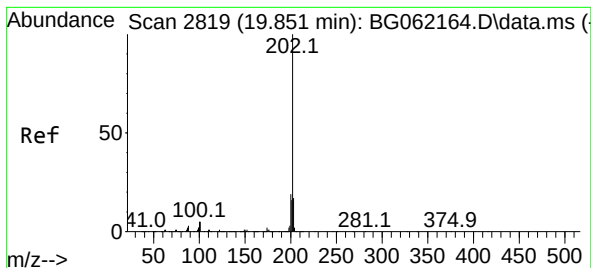
Reviewed By :Yogesh Patel 07/23/2024
 Supervised By :mohammad ahmed 07/25/2024



#80
 Fluoranthene
 Concen: 31.338 ng/ul
 RT: 19.484 min Scan# 2757
 Delta R.T. 0.000 min
 Lab File: BG062169.D
 Acq: 22 Jul 2024 20:18

Tgt Ion:202 Resp: 754908
 Ion Ratio Lower Upper
 202 100
 101 4.9 4.2 6.2
 100 4.3 3.1 4.7





#82

Pyrene

Concen: 22.537 ng/ul

RT: 19.848 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG062169.D

Acq: 22 Jul 2024 20:18

Instrument :

BNA_G

ClientSampleId :

A4BB2

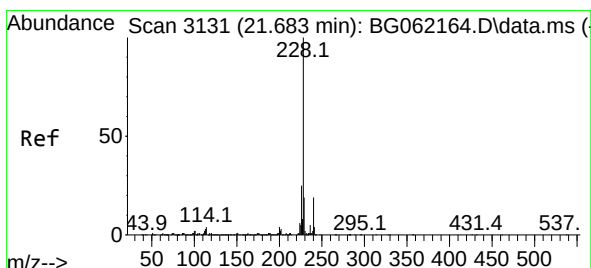
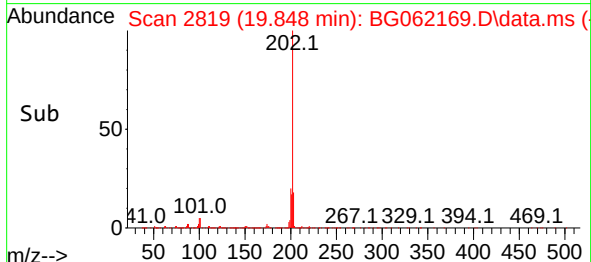
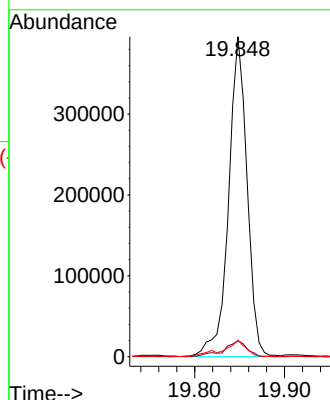
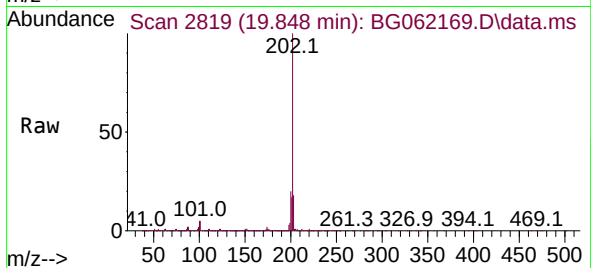
Tgt Ion:202 Resp: 564500
Ion Ratio Lower Upper
202 100
101 5.0 4.2 6.4
100 5.1 4.0 6.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#85

Benzo(a)anthracene

Concen: 13.203 ng/ul

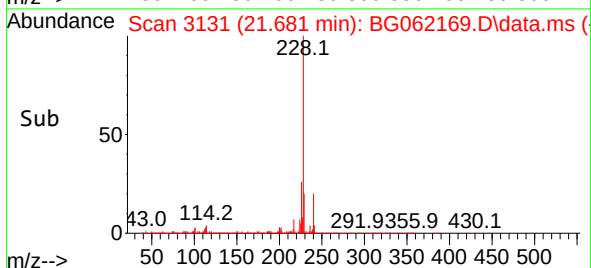
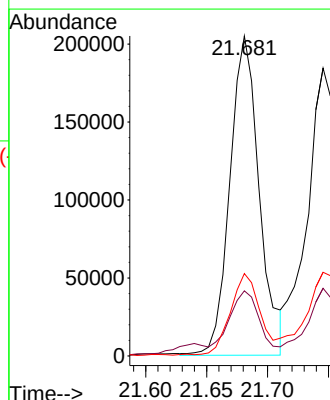
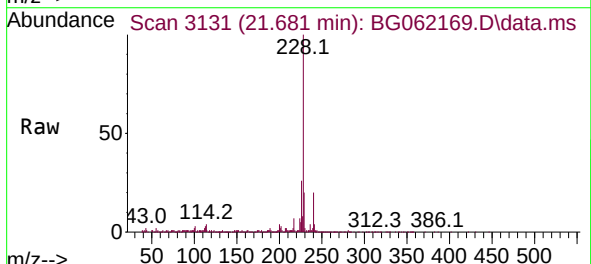
RT: 21.681 min Scan# 3131

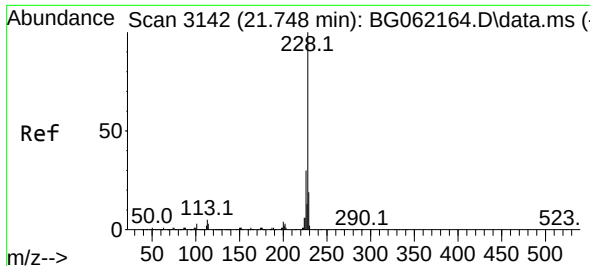
Delta R.T. 0.000 min

Lab File: BG062169.D

Acq: 22 Jul 2024 20:18

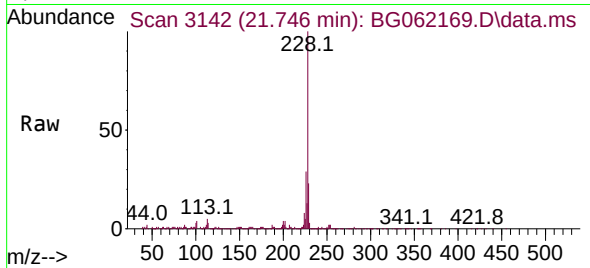
Tgt Ion:228 Resp: 343216
Ion Ratio Lower Upper
228 100
229 20.4 15.4 23.2
226 25.8 20.9 31.3





#87
Chrysene
Concen: 13.614 ng/ul m
RT: 21.746 min Scan# 3142
Delta R.T. -0.006 min
Lab File: BG062169.D
Acq: 22 Jul 2024 20:18

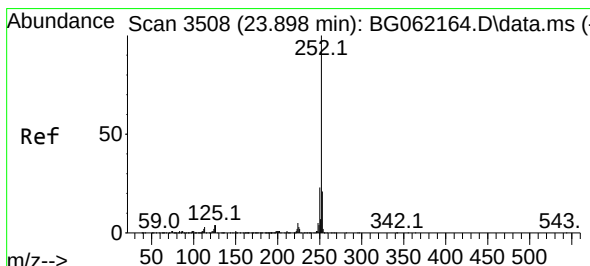
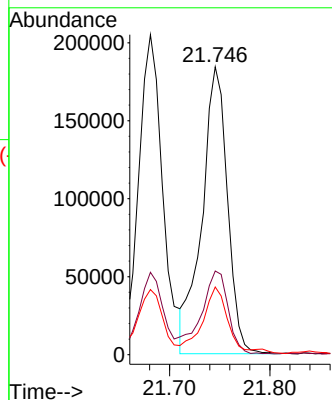
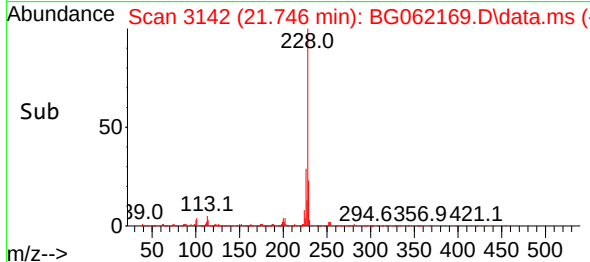
Instrument :
BNA_G
ClientSampleId :
A4BB2



Tgt Ion:228 Resp: 32536
Ion Ratio Lower Upper
228 100
226 29.0 24.0 36.0
229 23.5 15.4 23.0

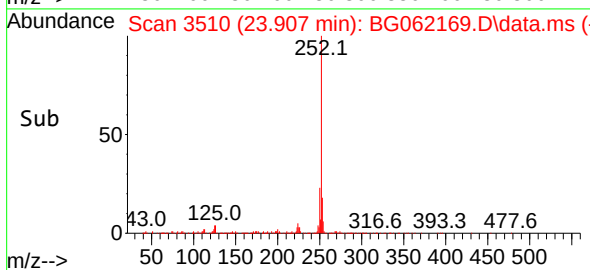
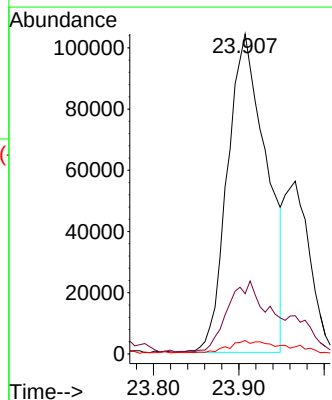
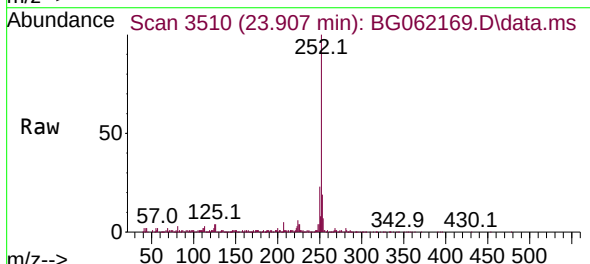
Manual Integrations
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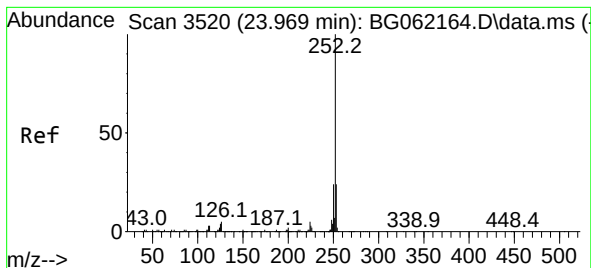
Reviewed By :Yogesh Patel 07/23/2024
Supervised By :mohammad ahmed 07/25/2024



#90
Benzo(b)fluoranthene
Concen: 13.507 ng/ul
RT: 23.907 min Scan# 3510
Delta R.T. 0.000 min
Lab File: BG062169.D
Acq: 22 Jul 2024 20:18

Tgt Ion:252 Resp: 330333
Ion Ratio Lower Upper
252 100
253 18.8 17.2 25.8
125 4.2 3.4 5.0





#91

Benzo(k)fluoranthene

Concen: 4.737 ng/ul m

RT: 23.966 min Scan# 3

Delta R.T. -0.006 min

Lab File: BG062169.D

Acq: 22 Jul 2024 20:18

Instrument :

BNA_G

ClientSampleId :

A4BB2

Tgt Ion:252 Resp: 115652

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

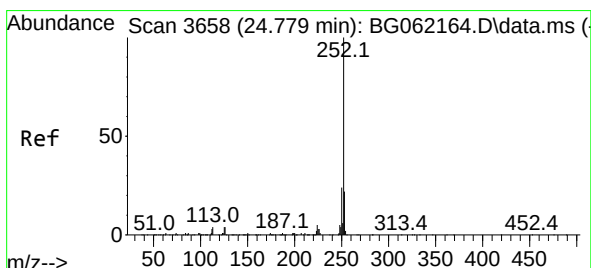
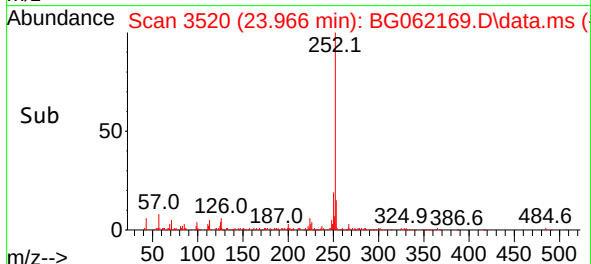
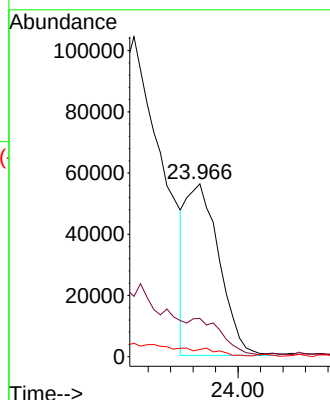
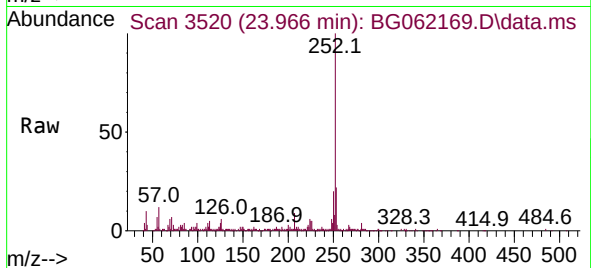
125 4.2 2.7 4.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#93

Benzo(a)pyrene

Concen: 5.518 ng/ul

RT: 24.777 min Scan# 3658

Delta R.T. -0.006 min

Lab File: BG062169.D

Acq: 22 Jul 2024 20:18

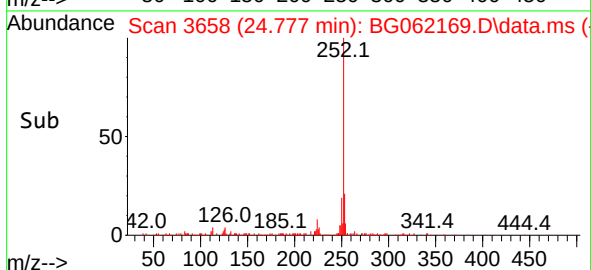
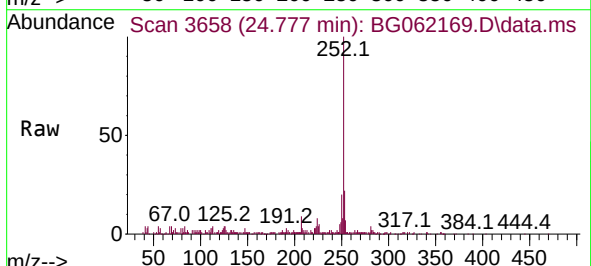
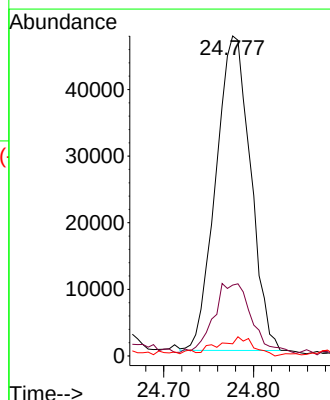
Tgt Ion:252 Resp: 126391

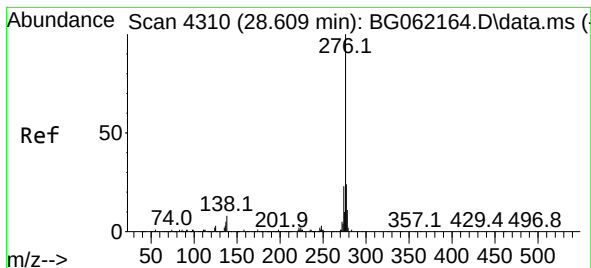
Ion Ratio Lower Upper

252 100

253 22.2 16.6 24.8

125 3.8 3.0 4.4





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.992 ng/ul m

RT: 28.624 min Scan# 4310

Delta R.T. 0.000 min

Lab File: BG062169.D

Acq: 22 Jul 2024 20:18

Instrument :

BNA_G

ClientSampleId :

A4BB2

Tgt Ion: 276 Resp: 105040

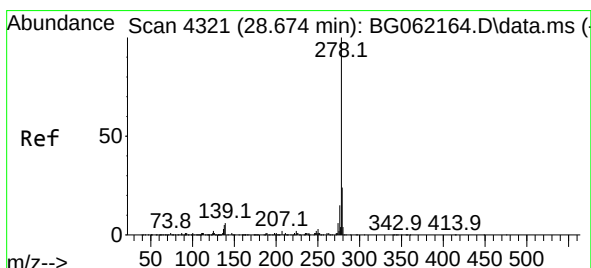
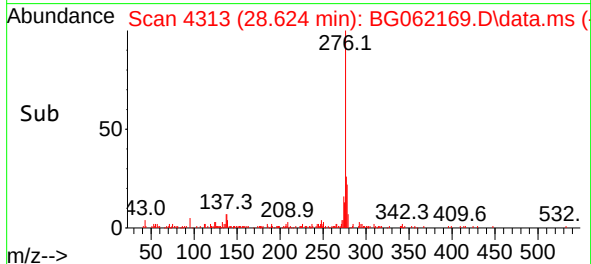
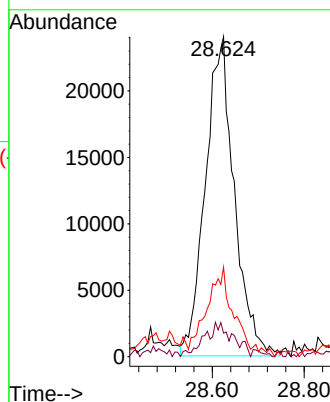
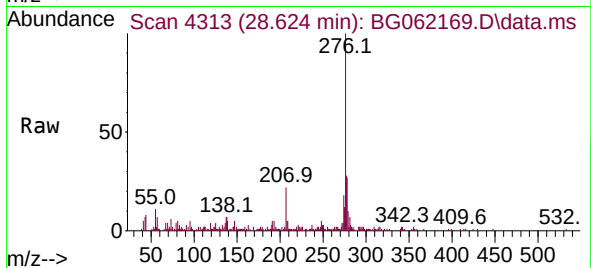
Ion	Ratio	Lower	Upper
276	100		
138	7.4	6.1	9.1
277	28.0	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/23/2024

Supervised By :mohammad ahmed 07/25/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.200 ng/ul m

RT: 28.666 min Scan# 4320

Delta R.T. -0.018 min

Lab File: BG062169.D

Acq: 22 Jul 2024 20:18

Tgt Ion: 278 Resp: 48012

Ion	Ratio	Lower	Upper
278	100		
139	4.6	4.7	7.1#
279	26.3	18.9	28.3

