

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
 Data File : BG062093.D
 Acq On : 16 Jul 2024 14:12
 Operator : MA/JU
 Sample : P3177-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BY3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/17/2024
 Supervised By :mohammad ahmed 07/18/2024

Quant Time: Jul 16 14:50:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 16 12:23:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.053	152	42973	20.000	ng/u1	0.00
20) Naphthalene-d8	10.868	136	219398	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.687	164	145317	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.436	188	322790	20.000	ng/u1	# 0.01
79) Chrysene-d12	21.702	240	274481	20.000	ng/u1	# 0.01
88) Perylene-d12	24.939	264	344943	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.441	96	2558	2.237	ng/uL	0.00
4) Pyridine-d5	3.876	84	5093m	1.448	ng/u1	0.02
7) Phenol-d5	7.231	99	94640	20.124	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.378	67	50634	17.002	ng/u1	0.00
11) 2-Chlorophenol-d4	7.589	132	67598	20.955	ng/u1	0.00
15) 4-Methylphenol-d8	8.776	113	80394	21.712	ng/u1	0.01
21) Nitrobenzene-d5	9.222	128	36808	22.059	ng/u1	0.00
24) 2-Nitrophenol-d4	9.945	143	44353	23.276	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.497	165	85283	23.204	ng/u1	0.01
31) 4-Chloroaniline-d4	11.003	131	32602	6.110	ng/u1	0.00
46) Dimethylphthalate-d6	14.087	166	278199	23.286	ng/u1	0.00
49) Acenaphthylene-d8	14.387	160	298909	23.927	ng/u1	0.00
54) 4-Nitrophenol-d4	14.910	143	33426	17.520	ng/u1	0.00
60) Fluorene-d10	15.680	176	233819	23.248	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.797	200	39369	23.223	ng/u1	0.00
73) Anthracene-d10	17.530	188	360313	23.908	ng/u1	0.00
81) Pyrene-d10	19.816	212	284689	17.634	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.716	264	212896	12.445	ng/u1	0.02
Target Compounds					Qvalue	
52) Acenaphthene	14.751	153	12322	1.302	ng/u1	86
61) Fluorene	15.732	166	14147	1.243	ng/u1	83
72) Phenanthrene	17.477	178	280439	16.477	ng/u1	99
74) Anthracene	17.566	178	52743	2.999	ng/u1	98
77) Carbazole	17.836	167	21782	1.471	ng/u1	98
80) Fluoranthene	19.487	202	552785	28.932	ng/u1#	92
82) Pyrene	19.845	202	312953	15.857	ng/u1#	92
85) Benzo(a)anthracene	21.678	228	271575	13.665	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.567	149	55958	4.708	ng/u1#	97
87) Chrysene	21.749	228	273713	14.712	ng/u1	95
90) Benzo(b)fluoranthene	23.905	252	407734	18.761	ng/u1	97
91) Benzo(k)fluoranthene	23.970	252	143710m	6.631	ng/u1	
93) Benzo(a)pyrene	24.787	252	110731	5.381	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	28.635	276	122086m	4.642	ng/u1	
95) Dibenzo(a,h)anthracene	28.670	278	46697m	2.150	ng/u1	

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

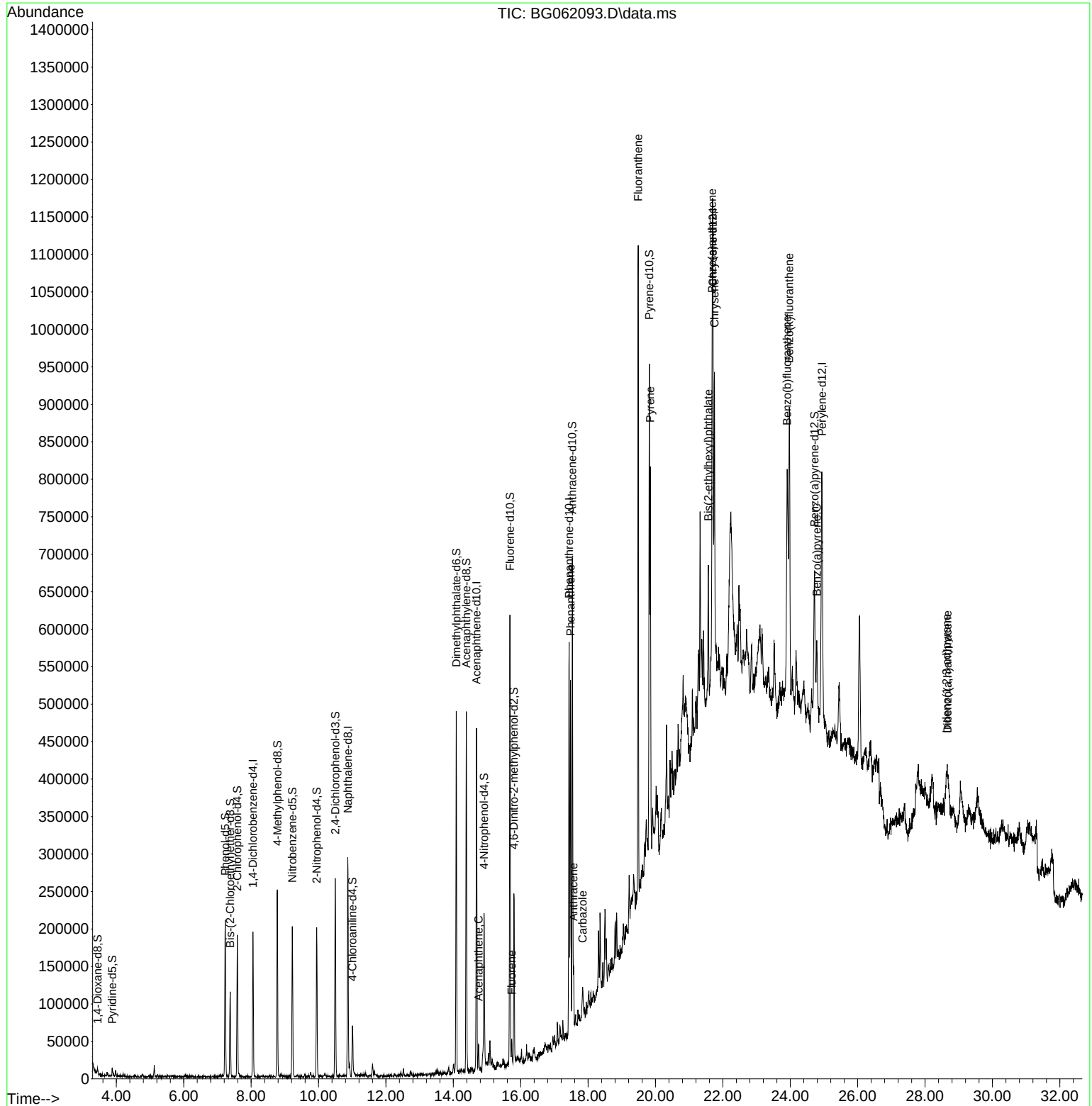
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
Data File : BG062093.D
Acq On : 16 Jul 2024 14:12
Operator : MA/JU
Sample : P3177-17
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ALS Vial : 6 Sample Multiplier: 1

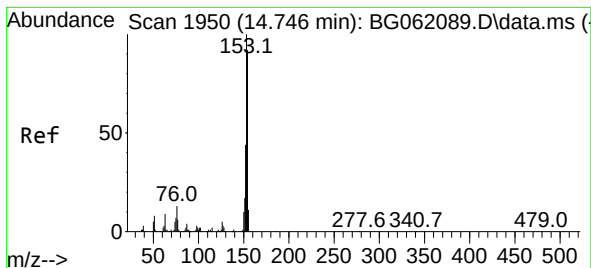
Instrument :
BNA_G
ClientSampleId :
A4BY3

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Quant Title : SVOA CALIBRATION
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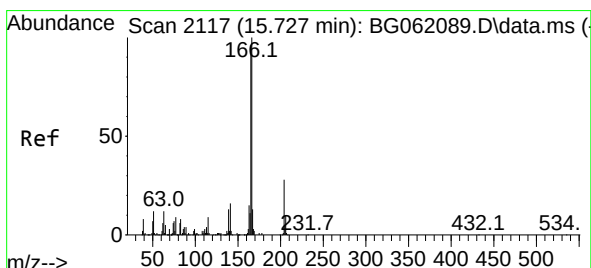
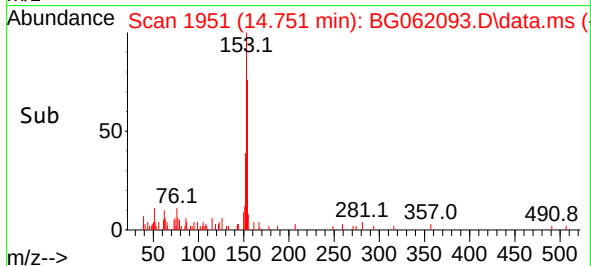
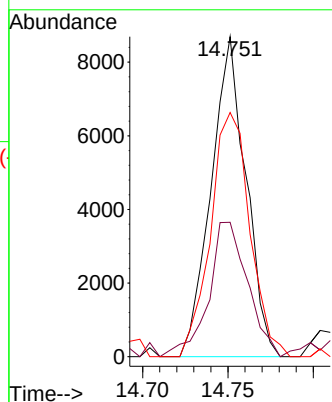
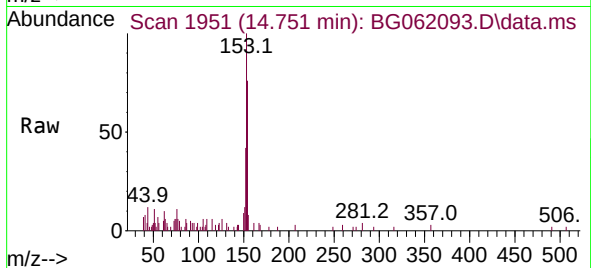
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Acenaphthene
Concen: 1.302 ng/ul
RT: 14.751 min Scan# 1951
Delta R.T. 0.006 min
Lab File: BG062093.D
Acq: 16 Jul 2024 14:12

Instrument :
BNA_G
ClientSampleId :
A4BY3

Tgt Ion:153 Resp: 1232
Ion Ratio Lower Upper
153 100
152 42.0 37.2 55.8
154 76.3 75.0 112.6

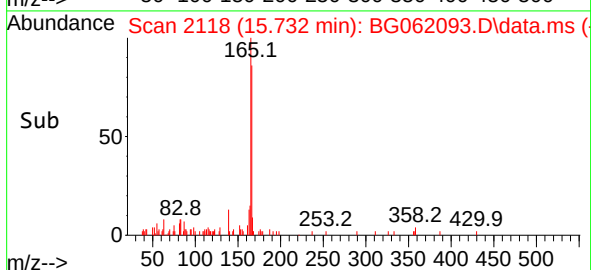
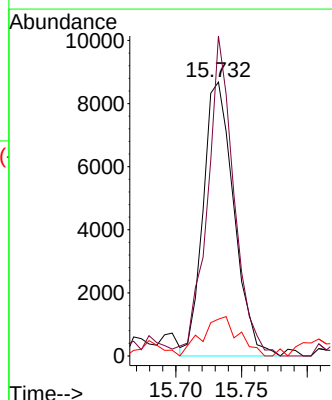
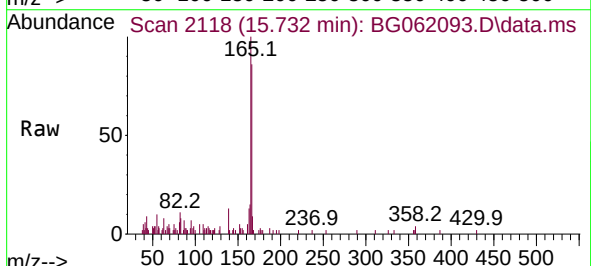
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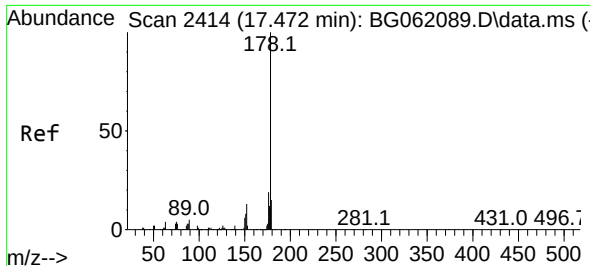
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#61
Fluorene
Concen: 1.243 ng/ul
RT: 15.732 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BG062093.D
Acq: 16 Jul 2024 14:12

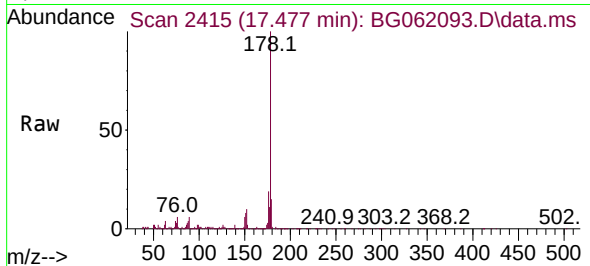
Tgt Ion:166 Resp: 14147
Ion Ratio Lower Upper
166 100
165 116.8 78.4 117.6
167 13.5 10.4 15.6





#72
Phenanthrene
Concen: 16.477 ng/ul
RT: 17.477 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BG062093.D
Acq: 16 Jul 2024 14:12

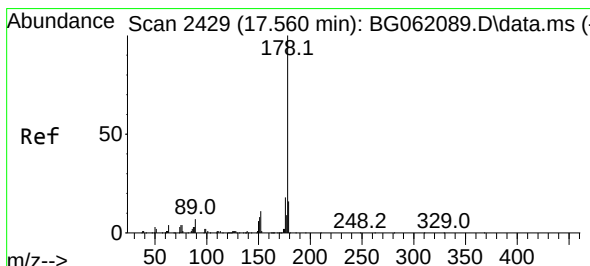
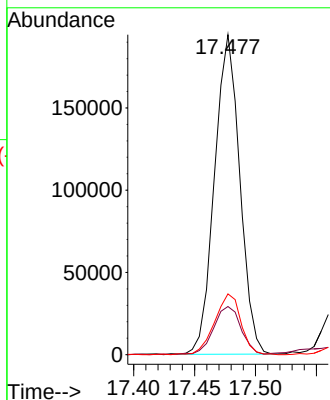
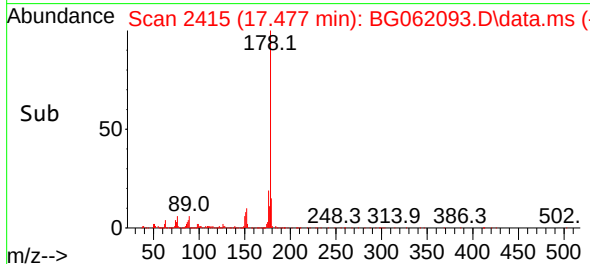
Instrument :
BNA_G
ClientSampleId :
A4BY3



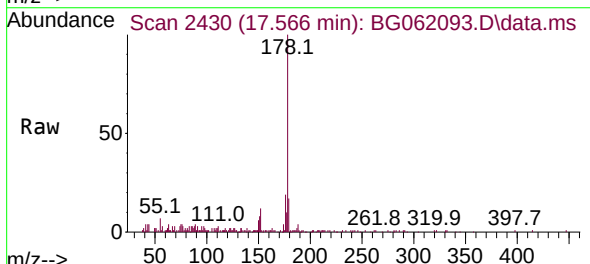
Tgt Ion:178 Resp: 280439
Ion Ratio Lower Upper
178 100
179 15.1 11.9 17.9
176 19.0 15.5 23.3

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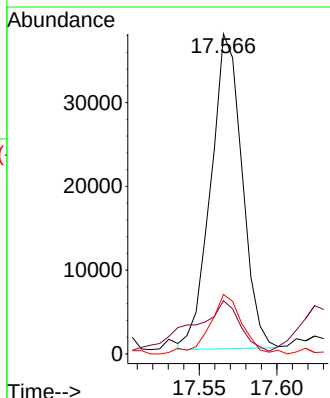
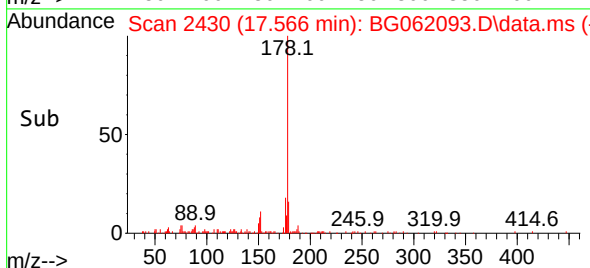
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024

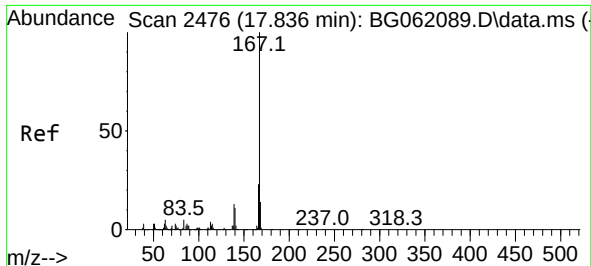


#74
Anthracene
Concen: 2.999 ng/ul
RT: 17.566 min Scan# 2430
Delta R.T. 0.006 min
Lab File: BG062093.D
Acq: 16 Jul 2024 14:12



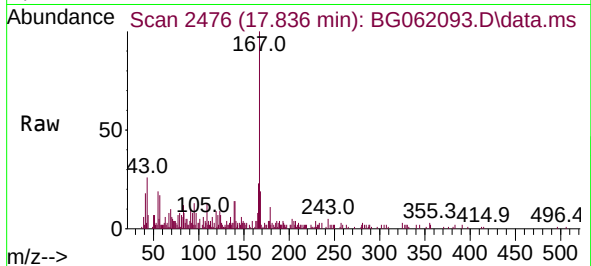
Tgt Ion:178 Resp: 52743
Ion Ratio Lower Upper
178 100
179 16.6 11.9 17.9
176 18.6 14.7 22.1





#77
 Carbazole
 Concen: 1.471 ng/ul
 RT: 17.836 min Scan# 2476
 Delta R.T. -0.000 min
 Lab File: BG062093.D
 Acq: 16 Jul 2024 14:12

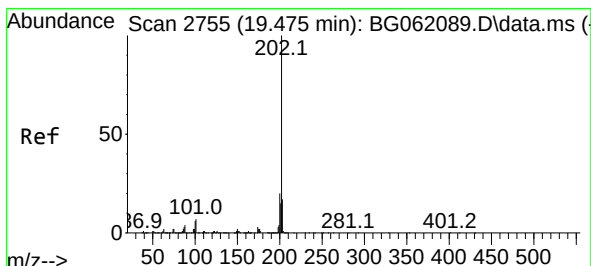
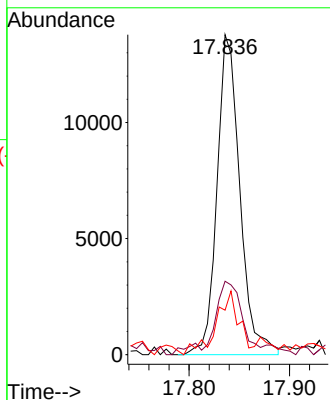
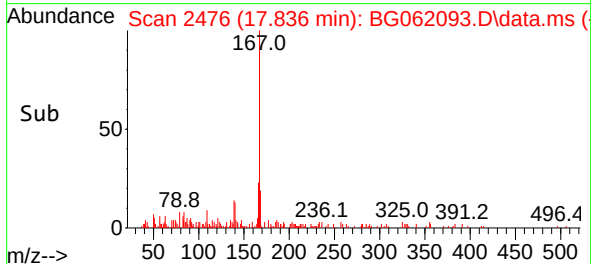
Instrument :
 BNA_G
 ClientSampleId :
 A4BY3



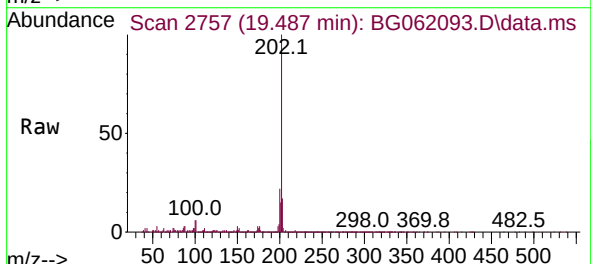
Tgt Ion:167 Resp: 2178
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.2 27.2
 139 13.9 9.6 14.4

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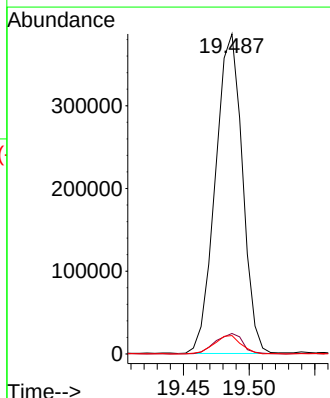
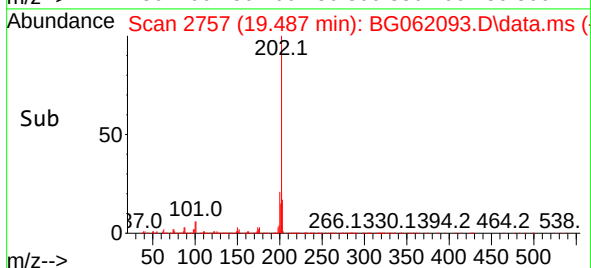
Reviewed By :Jagrut Upadhyay 07/17/2024
 Supervised By :mohammad ahmed 07/18/2024

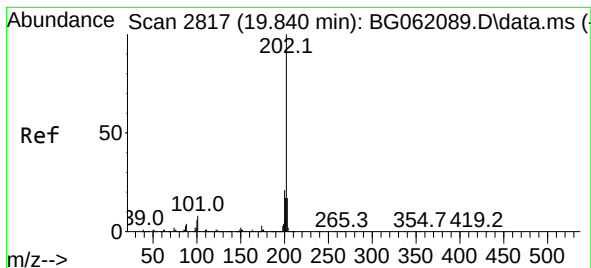


#80
 Fluoranthene
 Concen: 28.932 ng/ul
 RT: 19.487 min Scan# 2757
 Delta R.T. 0.012 min
 Lab File: BG062093.D
 Acq: 16 Jul 2024 14:12



Tgt Ion:202 Resp: 552785
 Ion Ratio Lower Upper
 202 100
 101 6.4 7.4 11.2#
 100 5.8 6.6 10.0#





#82

Pyrene

Concen: 15.857 ng/ul

RT: 19.845 min Scan# 21295

Delta R.T. 0.006 min

Lab File: BG062093.D

Acq: 16 Jul 2024 14:12

Instrument :

BNA_G

ClientSampleId :

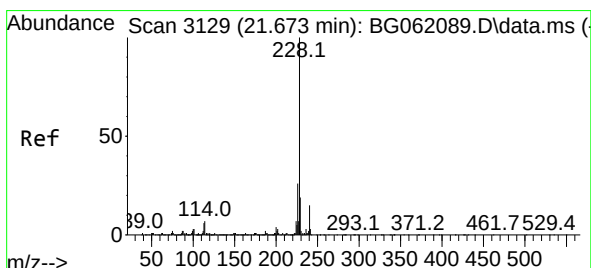
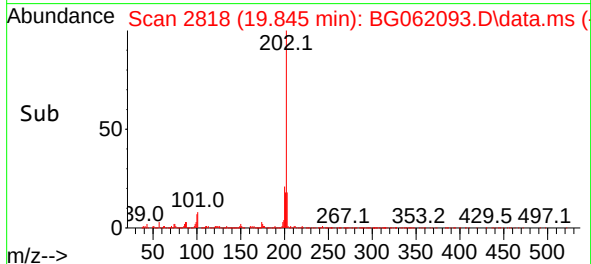
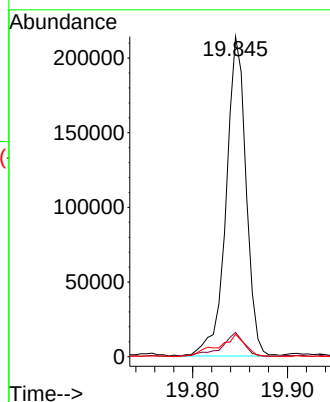
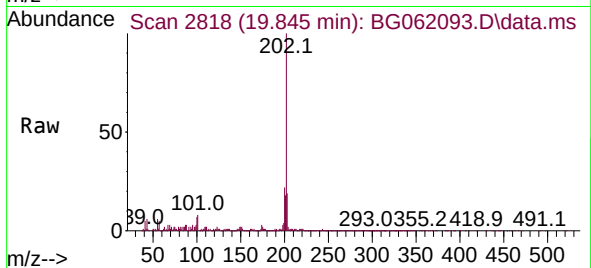
A4BY3

Tgt Ion:	202	Resp:	31295
Ion Ratio	Lower	Upper	
202	100		
101	7.6	8.8	13.2
100	7.0	7.6	11.4

Manual Integrations

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Supervised By :mohammad ahmed 07/18/2024



#85

Benzo(a)anthracene

Concen: 13.665 ng/ul

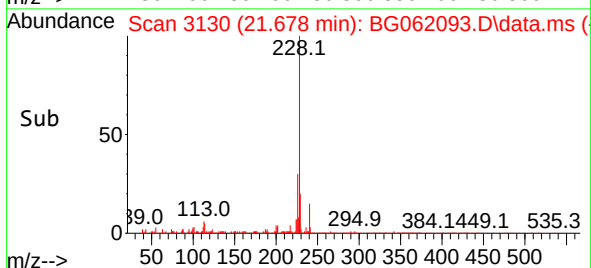
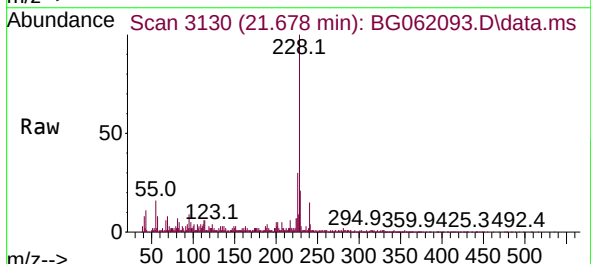
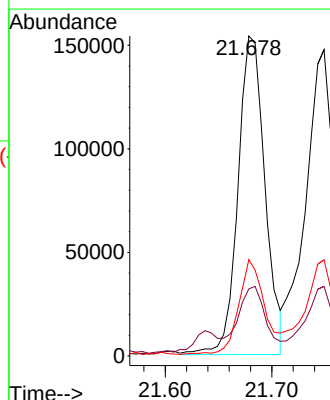
RT: 21.678 min Scan# 3130

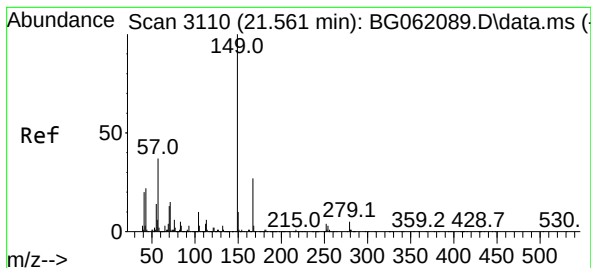
Delta R.T. 0.006 min

Lab File: BG062093.D

Acq: 16 Jul 2024 14:12

Tgt Ion:	228	Resp:	271575
Ion Ratio	Lower	Upper	
228	100		
229	20.9	15.7	23.5
226	30.1	21.7	32.5





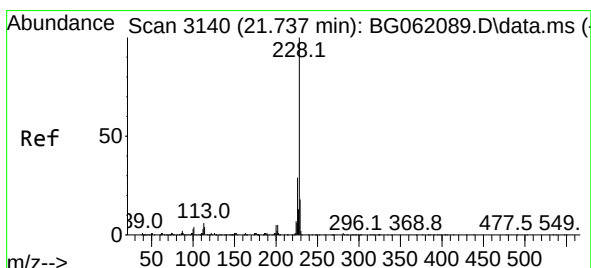
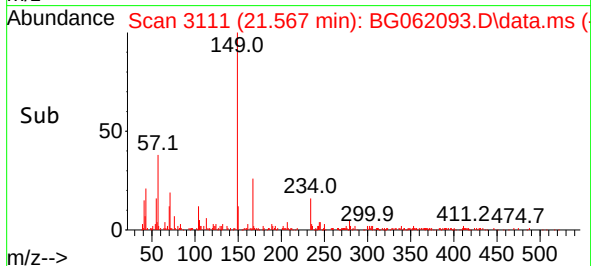
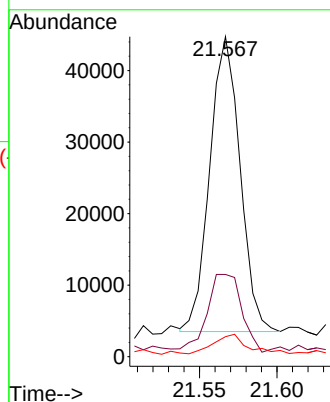
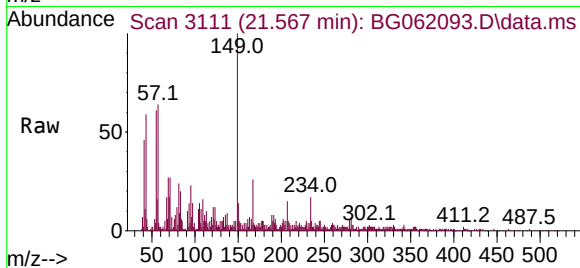
#86
 Bis(2-ethylhexyl)phthalate
 Concen: 4.708 ng/ul
 RT: 21.567 min Scan# 3111
 Delta R.T. 0.006 min
 Lab File: BG062093.D
 Acq: 16 Jul 2024 14:12

Instrument :
 BNA_G
 ClientSampleId :
 A4BY3

Tgt Ion:149 Resp: 55958
 Ion Ratio Lower Upper
 149 100
 167 25.7 21.7 32.5
 279 6.3 2.8 4.2

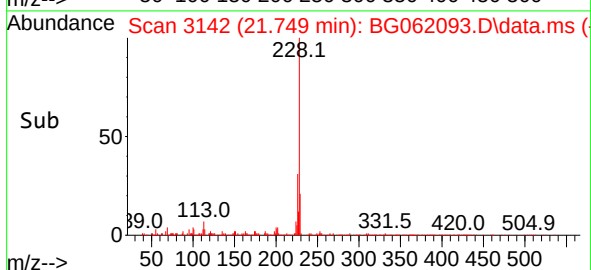
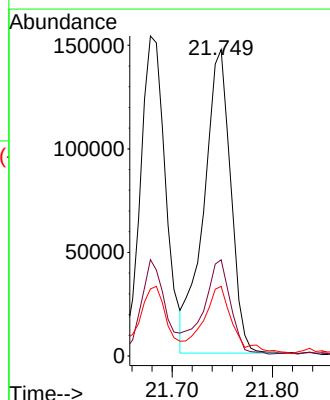
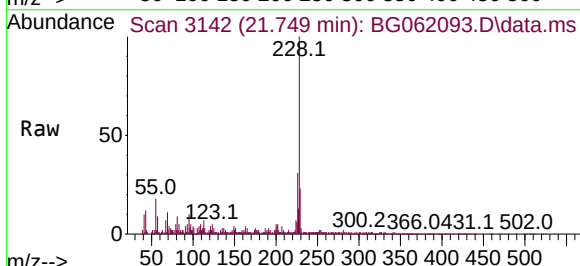
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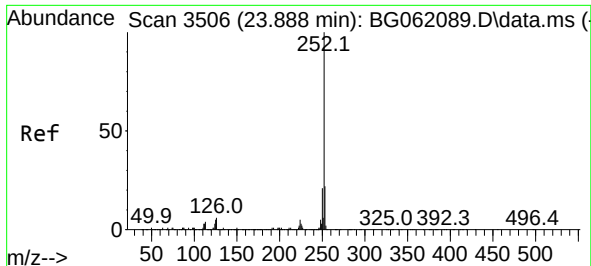
Reviewed By :Jagrut Upadhyay 07/17/2024
 Supervised By :mohammad ahmed 07/18/2024



#87
 Chrysene
 Concen: 14.712 ng/ul
 RT: 21.749 min Scan# 3142
 Delta R.T. 0.012 min
 Lab File: BG062093.D
 Acq: 16 Jul 2024 14:12

Tgt Ion:228 Resp: 273713
 Ion Ratio Lower Upper
 228 100
 226 31.4 23.3 34.9
 229 22.7 15.5 23.3





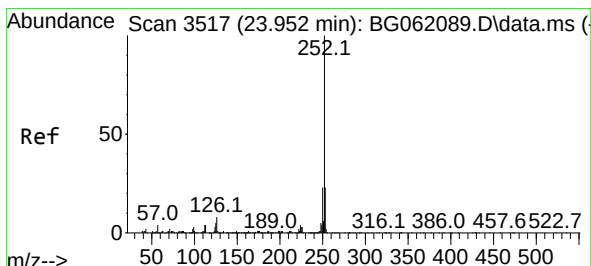
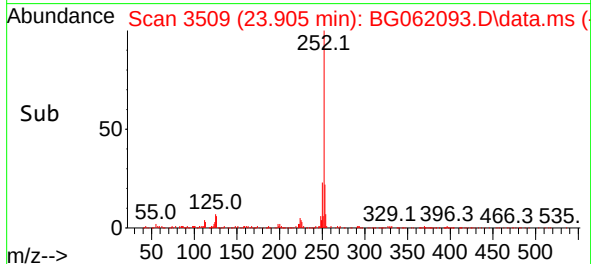
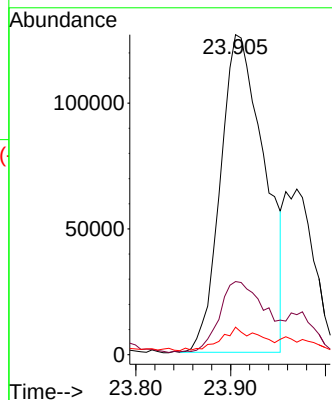
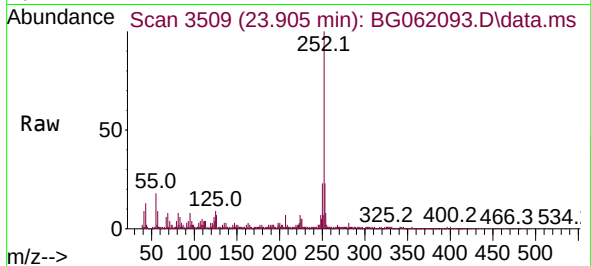
#90
Benzo(b)fluoranthene
Concen: 18.761 ng/ul
RT: 23.905 min Scan# 3509
Delta R.T. 0.017 min
Lab File: BG062093.D
Acq: 16 Jul 2024 14:12

Instrument :
BNA_G
ClientSampleId :
A4BY3

Tgt Ion:252 Resp: 407734
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 8.6 6.1 9.1

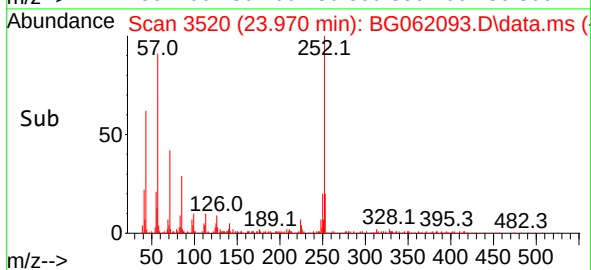
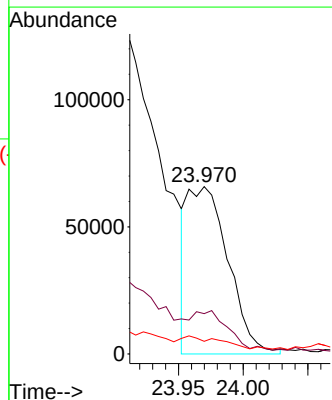
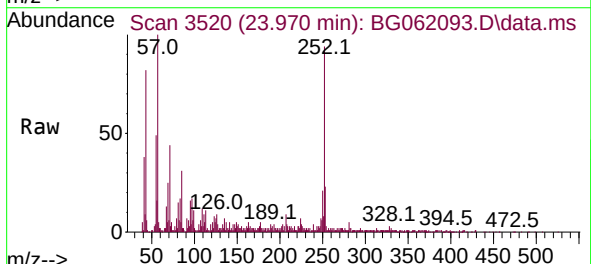
Manual Integrations
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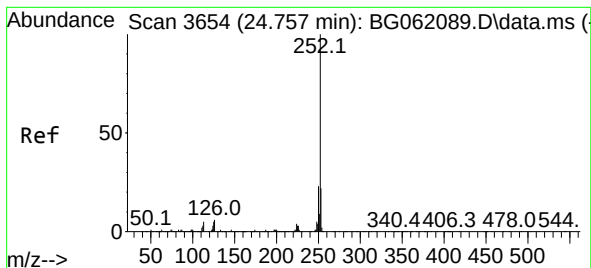
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#91
Benzo(k)fluoranthene
Concen: 6.631 ng/ul m
RT: 23.970 min Scan# 3520
Delta R.T. 0.017 min
Lab File: BG062093.D
Acq: 16 Jul 2024 14:12

Tgt Ion:252 Resp: 143710
Ion Ratio Lower Upper
252 100
253 24.1 19.3 28.9
125 7.6 6.3 9.5





#93

Benzo(a)pyrene

Concen: 5.381 ng/ul

RT: 24.787 min Scan# 3

Delta R.T. 0.029 min

Lab File: BG062093.D

Acq: 16 Jul 2024 14:12

Instrument :

BNA_G

ClientSampleId :

A4BY3

Tgt Ion:252 Resp: 11073

Ion Ratio Lower Upper

252 100

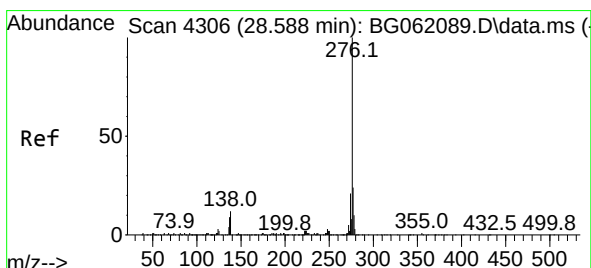
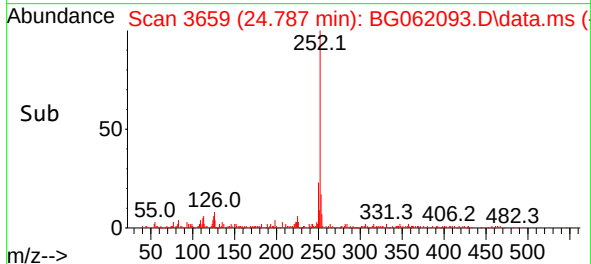
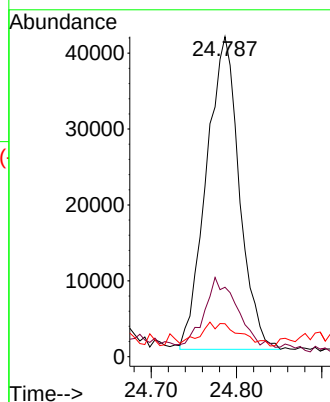
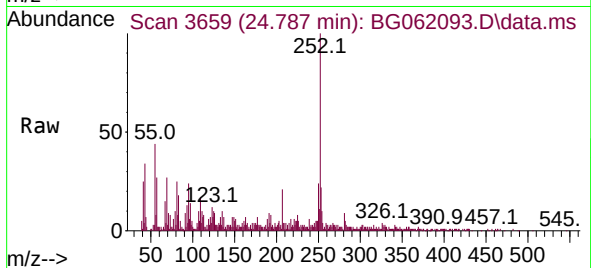
253 21.7 16.5 24.7

125 10.3 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.642 ng/ul m

RT: 28.635 min Scan# 4314

Delta R.T. 0.047 min

Lab File: BG062093.D

Acq: 16 Jul 2024 14:12

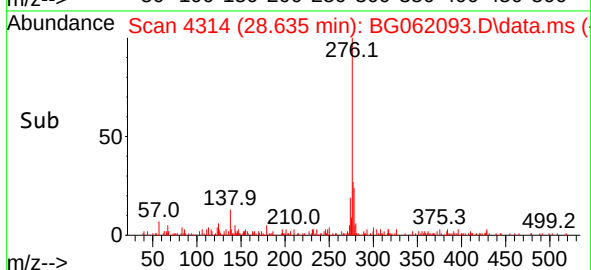
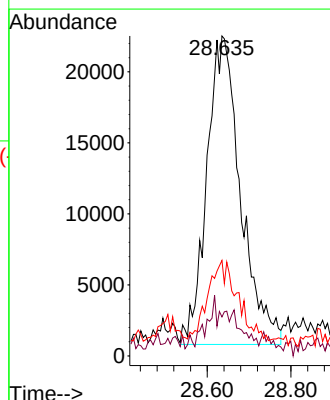
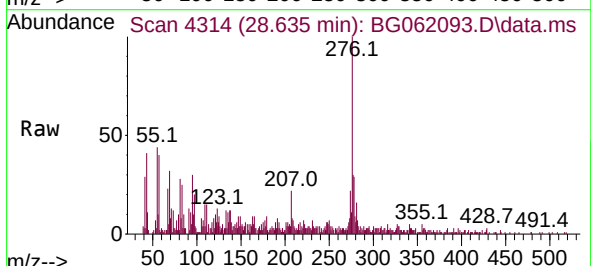
Tgt Ion:276 Resp: 122086

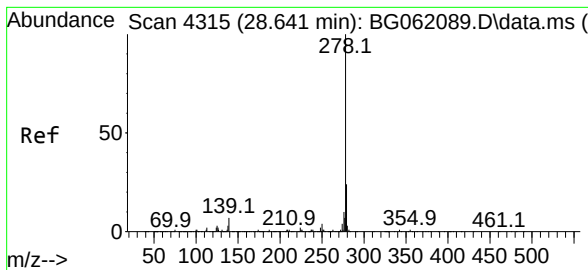
Ion Ratio Lower Upper

276 100

138 12.2 11.9 17.9

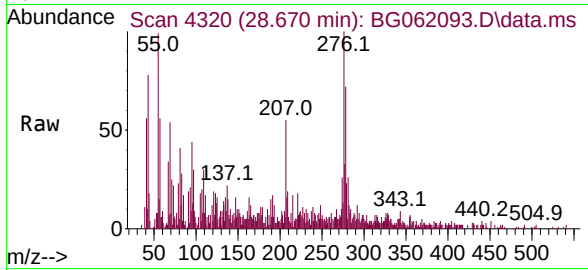
277 29.9 19.3 28.9#





#95
 Dibenzo(a,h)anthracene
 Concen: 2.150 ng/ul m
 RT: 28.670 min Scan# 4
 Delta R.T. 0.029 min
 Lab File: BG062093.D
 Acq: 16 Jul 2024 14:12

Instrument :
 BNA_G
 ClientSampleId :
 A4BY3



Tgt Ion:	278	Resp:	4669
Ion Ratio	Lower	Upper	
278	100		
139	10.2	7.6	11.4
279	31.5	18.8	28.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/17/2024
 Supervised By :mohammad ahmed 07/18/2024

