

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
 Data File : BG062098.D
 Acq On : 16 Jul 2024 17:37
 Operator : MA/JU
 Sample : P3177-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BX3

Manual Integrations
 APPROVED

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

Quant Time: Jul 16 18:31:18 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	8.055	152	56475	20.000	ng/u1	0.00
20) Naphthalene-d8	10.869	136	271980	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.688	164	172706	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.432	188	399009	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.697	240	337815	20.000	ng/u1	# 0.00
88) Perylene-d12	24.935	264	412599	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.442	96	2341	1.558	ng/uL	0.00
4) Pyridine-d5	3.883	84	3285m	0.711	ng/u1	0.02
7) Phenol-d5	7.226	99	61287	9.916	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.373	67	34339	8.774	ng/u1	0.00
11) 2-Chlorophenol-d4	7.590	132	53835	12.699	ng/u1	0.00
15) 4-Methylphenol-d8	8.777	113	55186	11.341	ng/u1	0.01
21) Nitrobenzene-d5	9.218	128	28049	13.560	ng/u1	0.00
24) 2-Nitrophenol-d4	9.946	143	36055	15.263	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.493	165	67871	14.896	ng/u1	0.00
31) 4-Chloroaniline-d4	11.004	131	33765	5.104	ng/u1	0.00
46) Dimethylphthalate-d6	14.083	166	220710	15.544	ng/u1	0.00
49) Acenaphthylene-d8	14.382	160	239829	16.153	ng/u1	0.00
54) 4-Nitrophenol-d4	14.911	143	21350	9.416	ng/u1	0.00
60) Fluorene-d10	15.675	176	164329	13.748	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.798	200	21765	10.386	ng/u1	0.00
73) Anthracene-d10	17.532	188	276823	14.860	ng/u1	0.00
81) Pyrene-d10	19.817	212	183462	9.233	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.706	264	147122	7.190	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.922	128	15881	1.063	ng/u1#	90
52) Acenaphthene	14.753	153	29451	2.617	ng/u1	90
56) Dibenzofuran	15.082	168	23485	1.477	ng/u1	88
61) Fluorene	15.734	166	26476	1.958	ng/u1	97
72) Phenanthrene	17.479	178	510795	24.279	ng/u1	100
74) Anthracene	17.567	178	73419	3.377	ng/u1	96
77) Carbazole	17.837	167	35329	1.931	ng/u1#	94
80) Fluoranthene	19.482	202	659252	28.035	ng/u1#	93
82) Pyrene	19.847	202	276331	11.376	ng/u1#	93
85) Benzo(a)anthracene	21.674	228	245392	10.033	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.562	149	56177	3.840	ng/u1	96
87) Chrysene	21.744	228	259784m	11.346	ng/u1	
90) Benzo(b)fluoranthene	23.907	252	349862	13.459	ng/u1	98
91) Benzo(k)fluoranthene	23.959	252	116857	4.508	ng/u1	95
93) Benzo(a)pyrene	24.776	252	77877	3.164	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.607	276	78090m	2.482	ng/u1	
95) Dibenzo(a,h)anthracene	28.677	278	39732m	1.529	ng/u1	

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

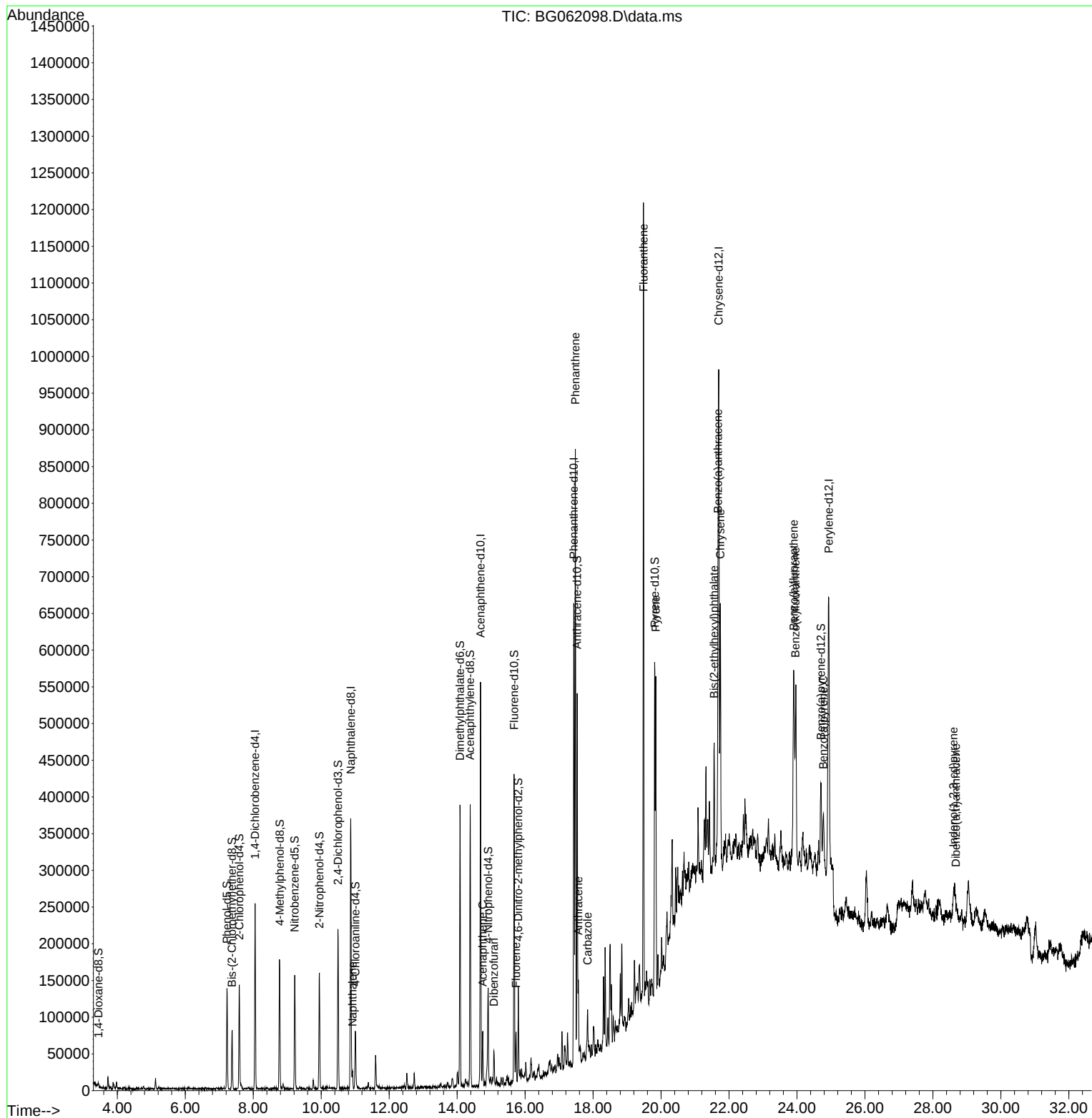
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
Data File : BG062098.D
Acq On : 16 Jul 2024 17:37
Operator : MA/JU
Sample : P3177-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

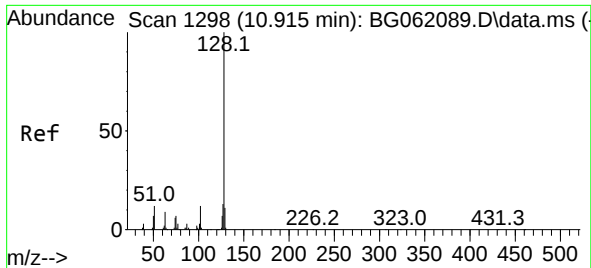
Instrument :
BNA_G
ClientSampleId :
A4BX3

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Supervised By :mohammad ahmed 07/18/2024

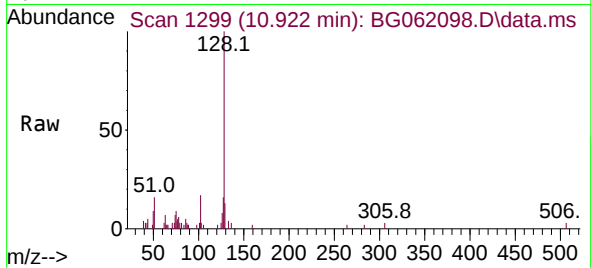
Quant Time: Jul 16 18:31:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 16 12:23:16 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 1.063 ng/ul
RT: 10.922 min Scan# 1299
Delta R.T. 0.007 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37

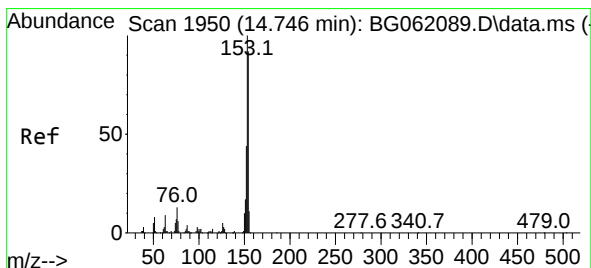
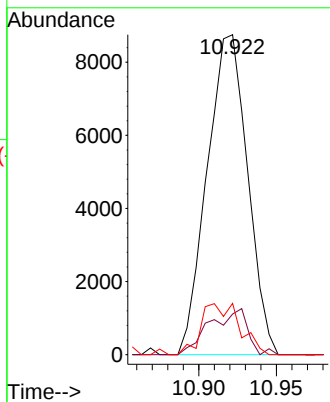
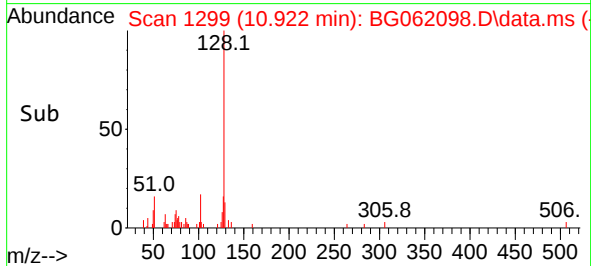
Instrument :
BNA_G
ClientSampleId :
A4BX3



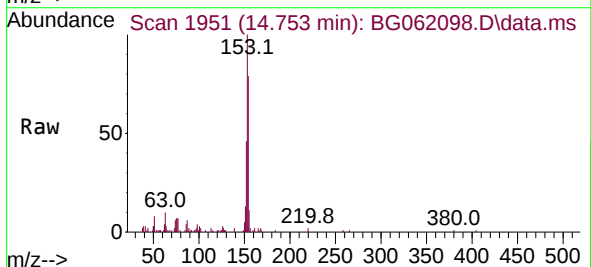
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Ion Ratio Lower Upper
128 100
129 12.7 7.7 11.5
127 16.1 9.6 14.4

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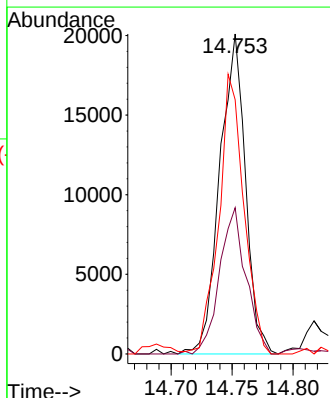
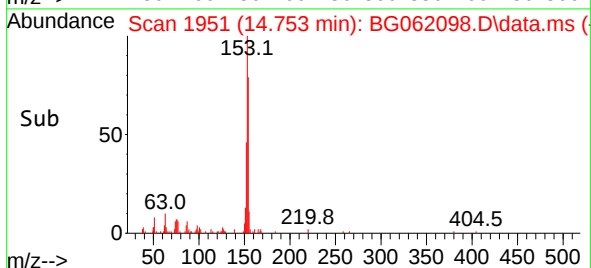
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024

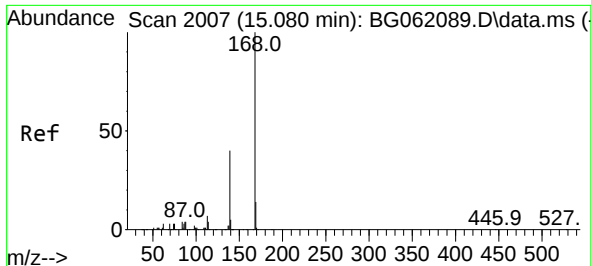


#52
Acenaphthene
Concen: 2.617 ng/ul
RT: 14.753 min Scan# 1951
Delta R.T. 0.007 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37



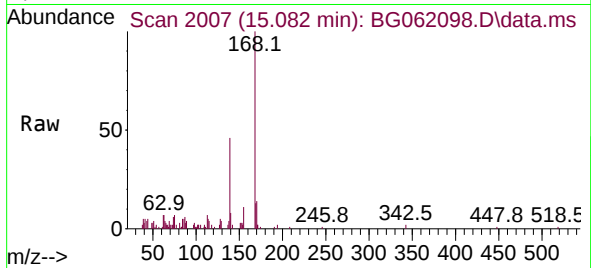
Tgt Ion:153 Resp: 29451
Ion Ratio Lower Upper
153 100
152 45.7 37.2 55.8
154 79.5 75.0 112.6





#56
Dibenzenofuran
Concen: 1.477 ng/ul
RT: 15.082 min Scan# 2007
Delta R.T. 0.001 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37

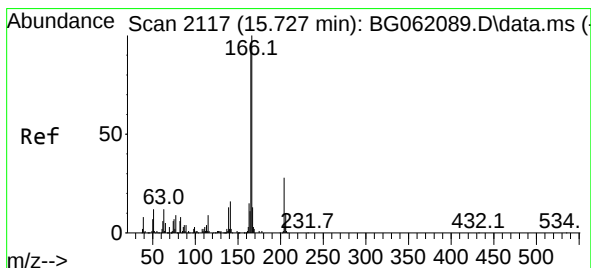
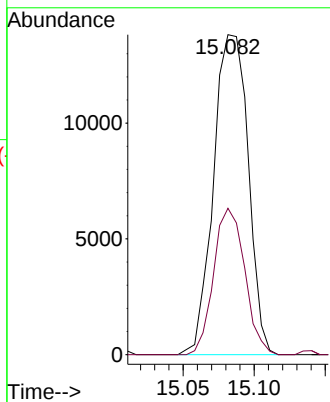
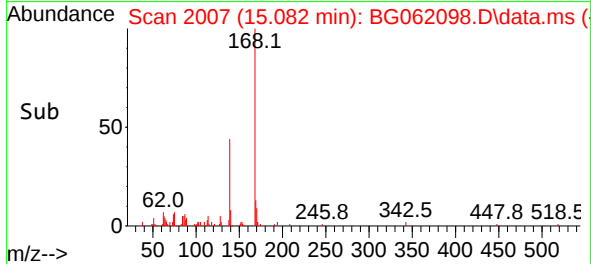
Instrument :
BNA_G
ClientSampleId :
A4BX3



Tgt Ion:168 Resp: 2348
Ion Ratio Lower Upper
168 100
139 45.7 31.0 46.4

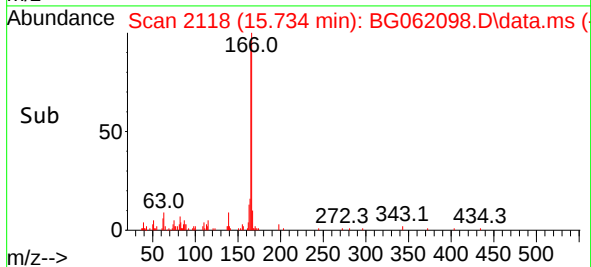
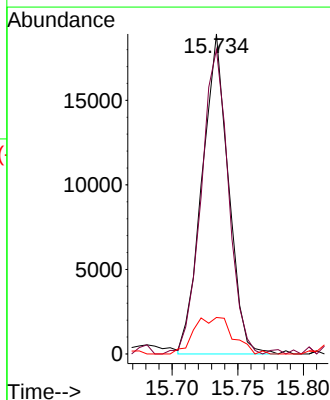
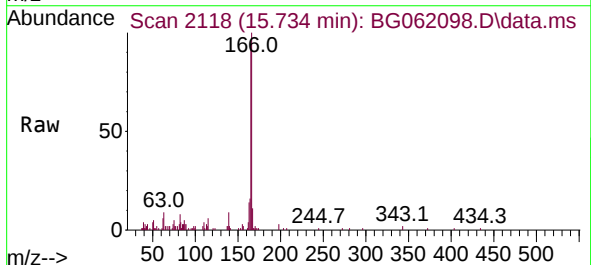
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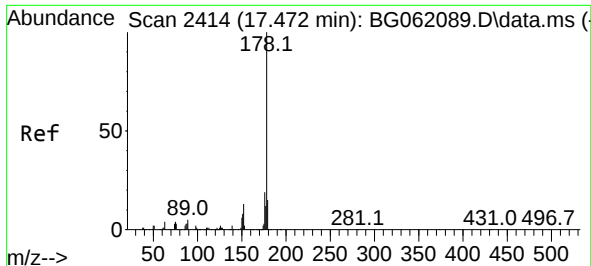
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#61
Fluorene
Concen: 1.958 ng/ul
RT: 15.734 min Scan# 2118
Delta R.T. 0.007 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37

Tgt Ion:166 Resp: 26476
Ion Ratio Lower Upper
166 100
165 95.1 78.4 117.6
167 11.4 10.4 15.6





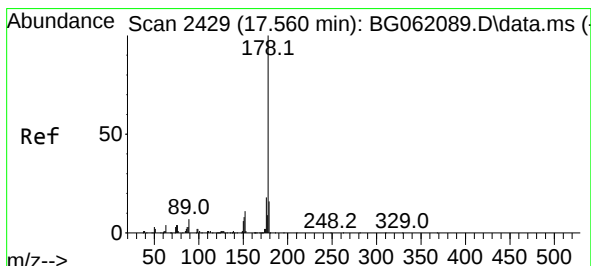
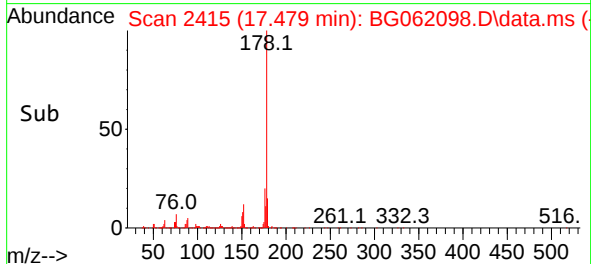
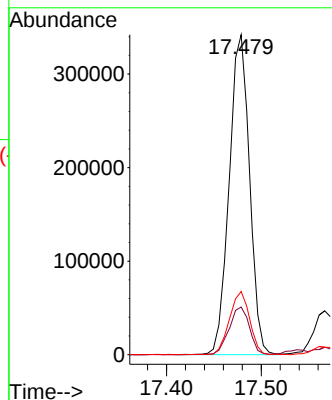
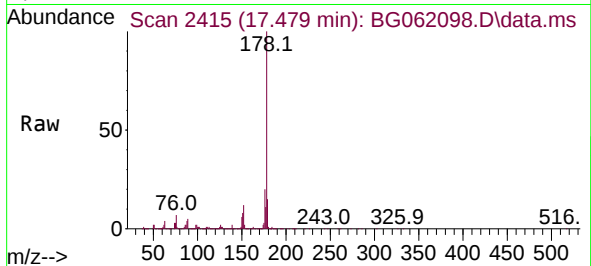
#72
Phenanthrene
Concen: 24.279 ng/ul
RT: 17.479 min Scan# 2414
Delta R.T. 0.007 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37

Instrument :
BNA_G
ClientSampleId :
A4BX3

Tgt Ion:178 Resp: 51079
Ion Ratio Lower Upper
178 100
179 14.9 11.9 17.9
176 19.8 15.5 23.3

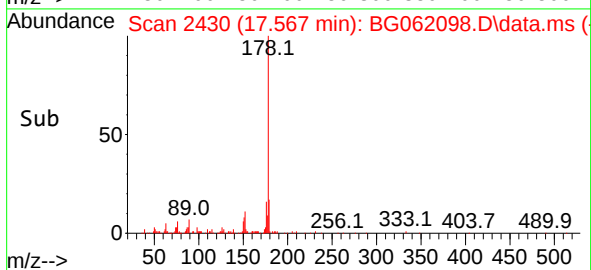
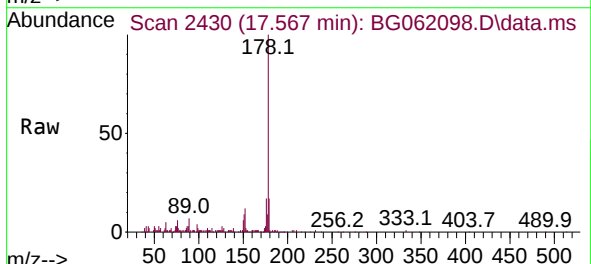
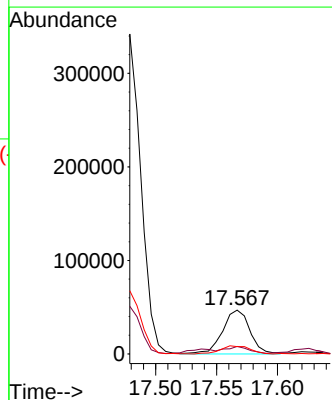
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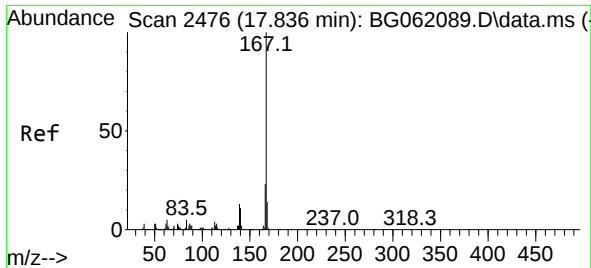
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#74
Anthracene
Concen: 3.377 ng/ul
RT: 17.567 min Scan# 2430
Delta R.T. 0.007 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37

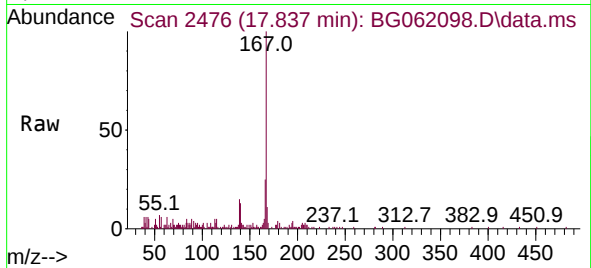
Tgt Ion:178 Resp: 73419
Ion Ratio Lower Upper
178 100
179 17.2 11.9 17.9
176 17.0 14.7 22.1





#77
 Carbazole
 Concen: 1.931 ng/ul
 RT: 17.837 min Scan# 2476
 Delta R.T. 0.001 min
 Lab File: BG062098.D
 Acq: 16 Jul 2024 17:37

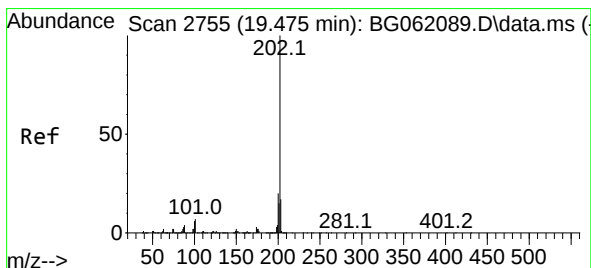
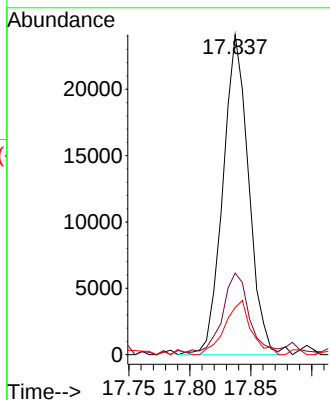
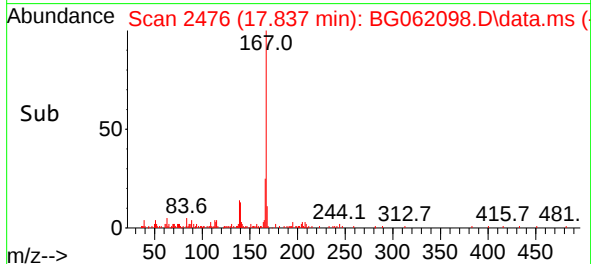
Instrument :
 BNA_G
 ClientSampleId :
 A4BX3



Tgt Ion:167 Resp: 35329
 Ion Ratio Lower Upper
 167 100
 166 25.5 18.2 27.2
 139 14.8 9.6 14.4

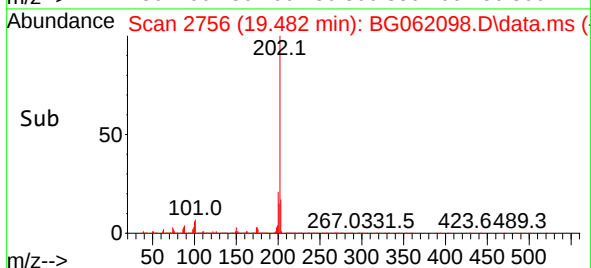
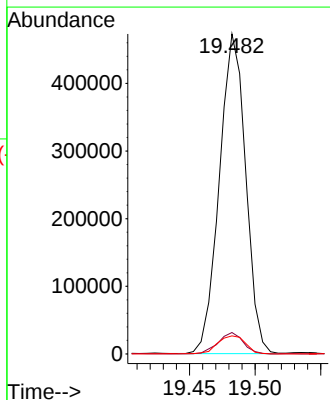
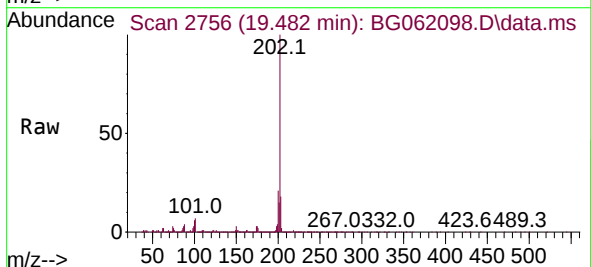
Manual Integrations
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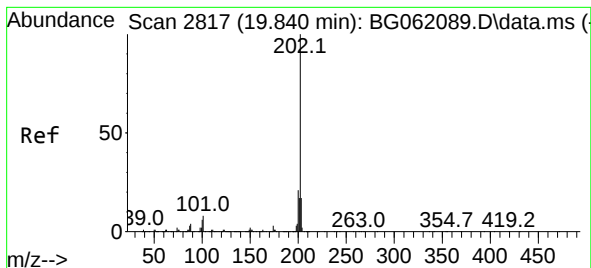
Reviewed By :Jagrut Upadhyay 07/17/2024
 Supervised By :mohammad ahmed 07/18/2024



#80
 Fluoranthene
 Concen: 28.035 ng/ul
 RT: 19.482 min Scan# 2756
 Delta R.T. 0.007 min
 Lab File: BG062098.D
 Acq: 16 Jul 2024 17:37

Tgt Ion:202 Resp: 659252
 Ion Ratio Lower Upper
 202 100
 101 6.7 7.4 11.2#
 100 5.6 6.6 10.0#





#82

Pyrene

Concen: 11.376 ng/ul

RT: 19.847 min Scan# 2817

Delta R.T. 0.007 min

Lab File: BG062098.D

Acq: 16 Jul 2024 17:37

Instrument :

BNA_G

ClientSampleId :

A4BX3

Tgt Ion:202 Resp: 27633

Ion Ratio Lower Upper

202 100

101 8.0 8.8 13.2

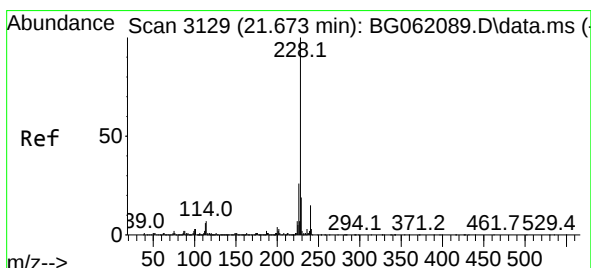
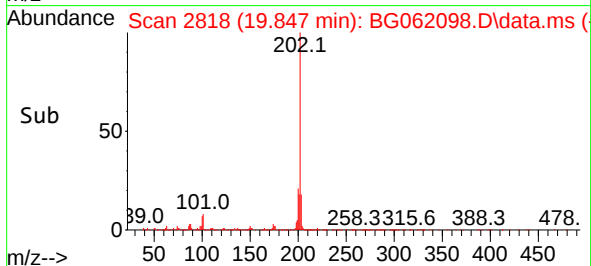
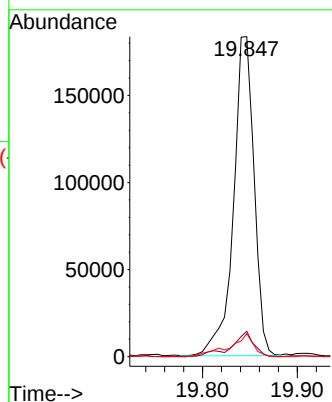
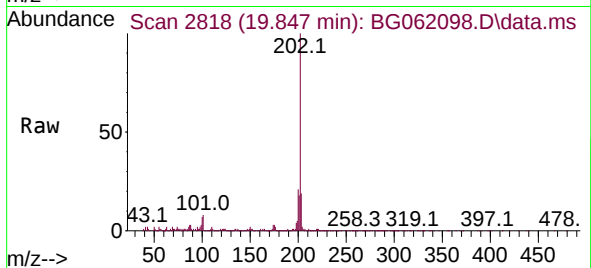
100 7.2 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/17/2024

Supervised By :mohammad ahmed 07/18/2024



#85

Benzo(a)anthracene

Concen: 10.033 ng/ul

RT: 21.674 min Scan# 3129

Delta R.T. 0.001 min

Lab File: BG062098.D

Acq: 16 Jul 2024 17:37

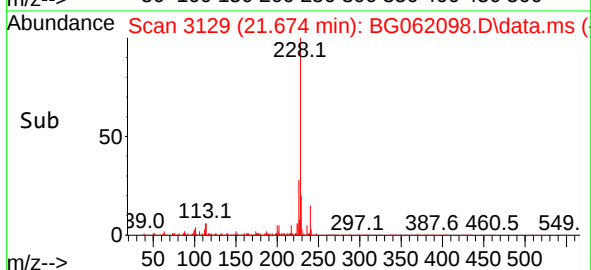
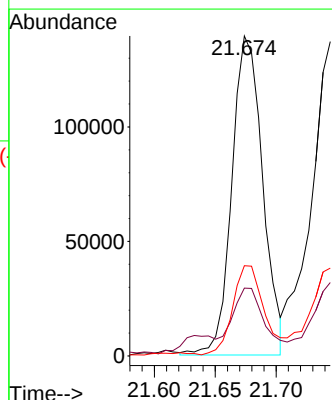
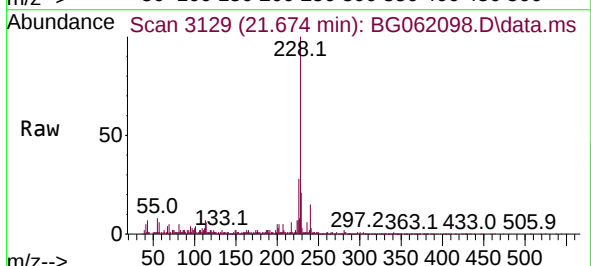
Tgt Ion:228 Resp: 245392

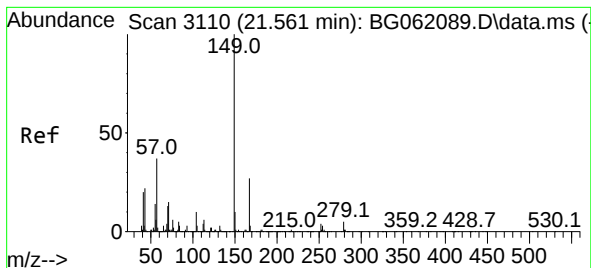
Ion Ratio Lower Upper

228 100

229 21.2 15.7 23.5

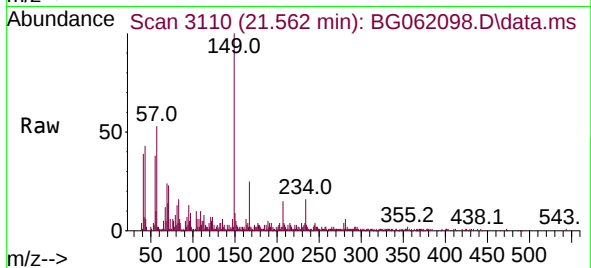
226 28.2 21.7 32.5





#86
Bis(2-ethylhexyl)phthalate
Concen: 3.840 ng/ul
RT: 21.562 min Scan# 3110
Delta R.T. 0.001 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37

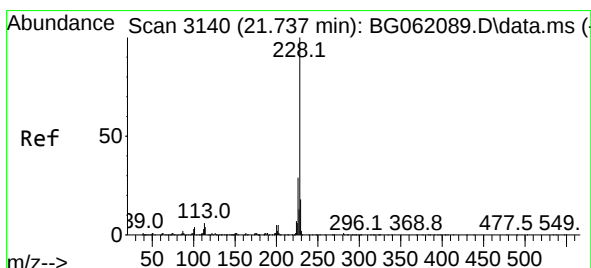
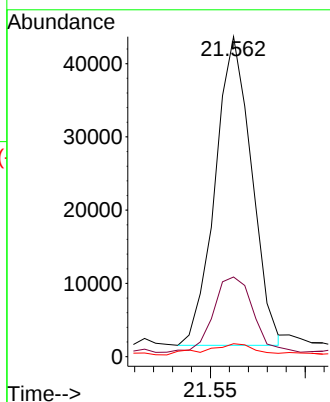
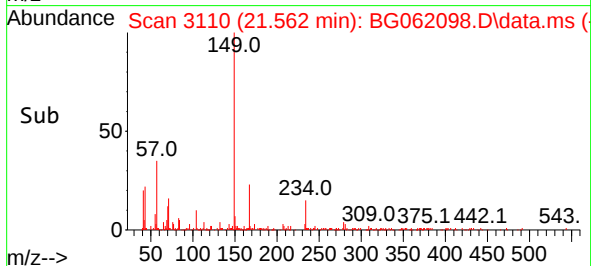
Instrument :
BNA_G
ClientSampleId :
A4BX3



Tgt Ion:149 Resp: 5617
Ion Ratio Lower Upper
149 100
167 24.9 21.7 32.5
279 4.0 2.8 4.2

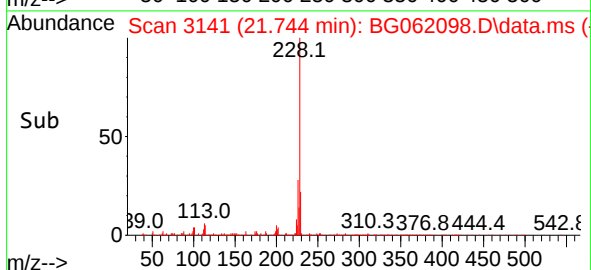
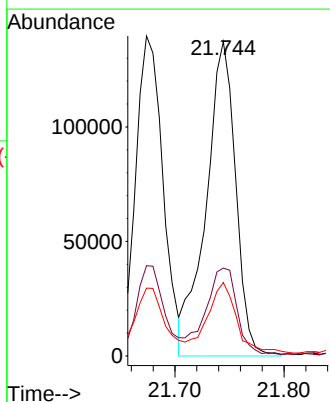
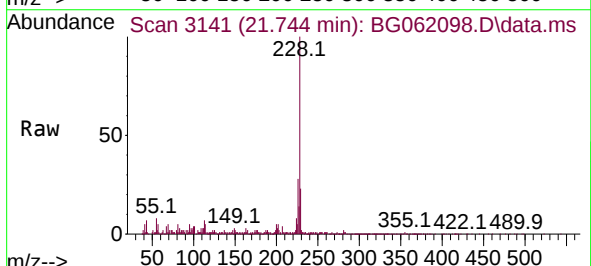
Manual Integrations
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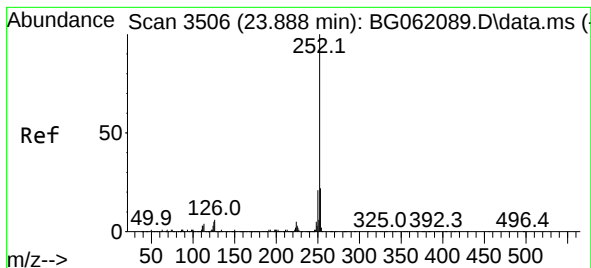
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#87
Chrysene
Concen: 11.346 ng/ul m
RT: 21.744 min Scan# 3141
Delta R.T. 0.007 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37

Tgt Ion:228 Resp: 259784
Ion Ratio Lower Upper
228 100
226 27.9 23.3 34.9
229 23.3 15.5 23.3#





#90

Benzo(b)fluoranthene

Concen: 13.459 ng/ul

RT: 23.907 min Scan# 3509

Delta R.T. 0.019 min

Lab File: BG062098.D

Acq: 16 Jul 2024 17:37

Instrument :

BNA_G

ClientSampleId :

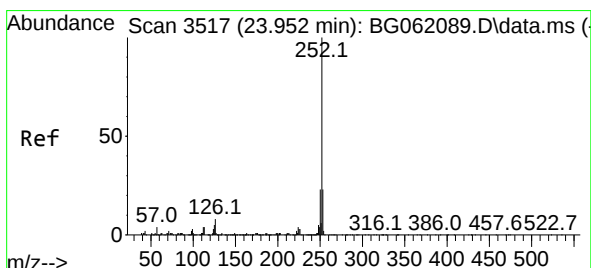
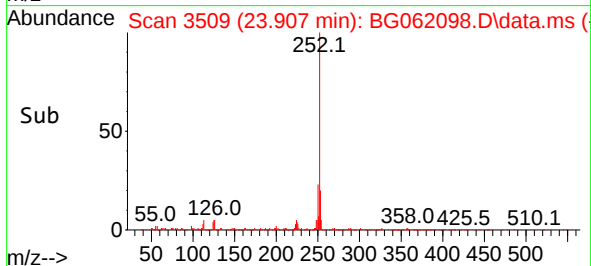
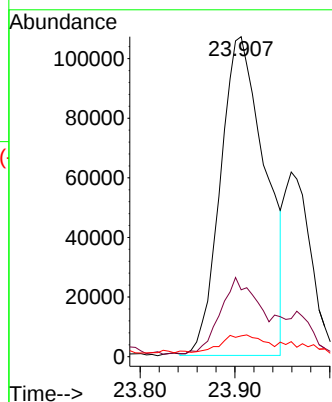
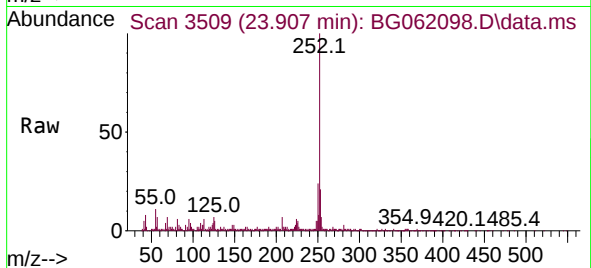
A4BX3

Tgt Ion:	252	Resp:	34986
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.2	25.8
125	6.5	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: 4.508 ng/ul

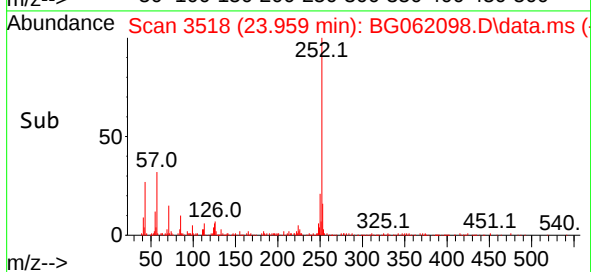
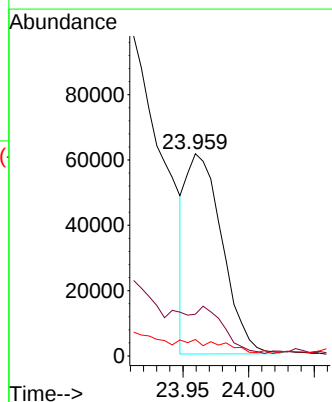
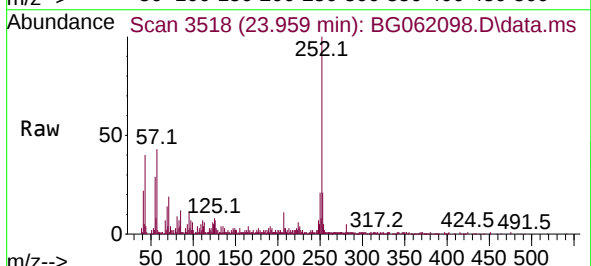
RT: 23.959 min Scan# 3518

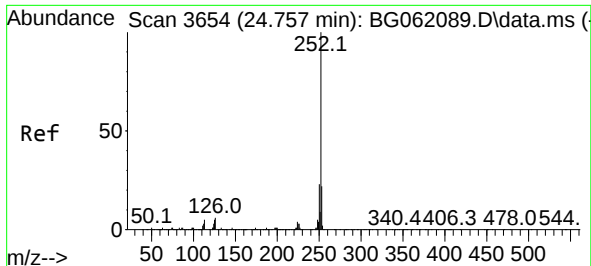
Delta R.T. 0.007 min

Lab File: BG062098.D

Acq: 16 Jul 2024 17:37

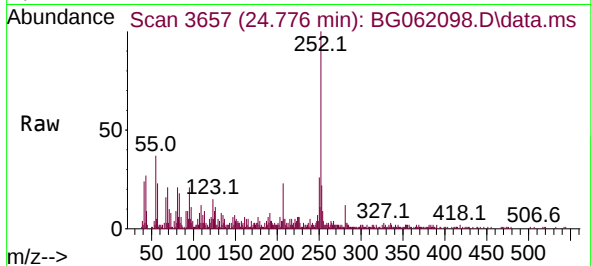
Tgt Ion:	252	Resp:	116857
Ion Ratio	Lower	Upper	
252	100		
253	20.7	19.3	28.9
125	8.1	6.3	9.5





#93
Benzo(a)pyrene
Concen: 3.164 ng/ul
RT: 24.776 min Scan# 30
Delta R.T. 0.019 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37

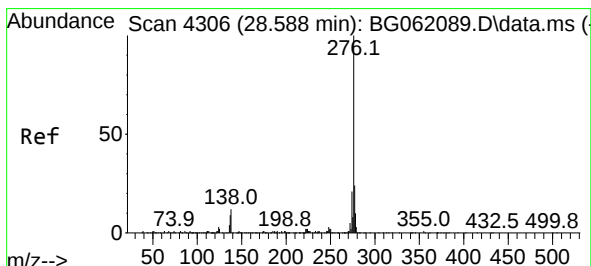
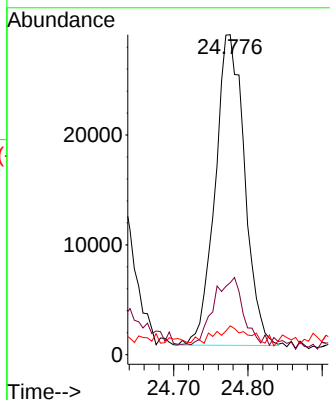
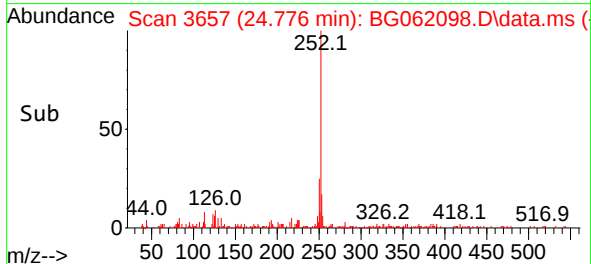
Instrument :
BNA_G
ClientSampleId :
A4BX3



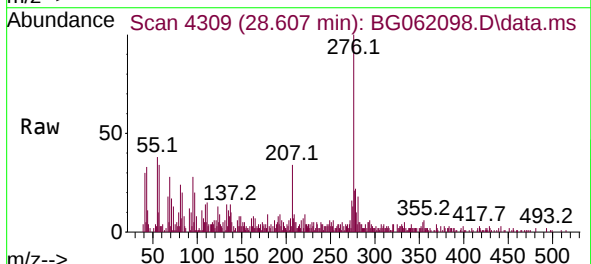
Tgt Ion:252 Resp: 7787
Ion Ratio Lower Upper
252 100
253 22.5 16.5 24.7
125 9.0 7.4 11.2

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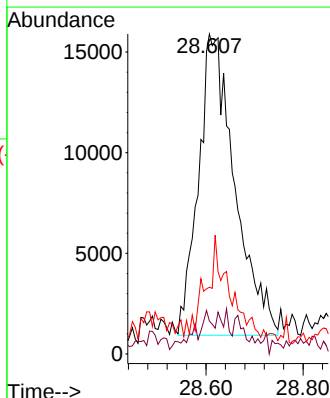
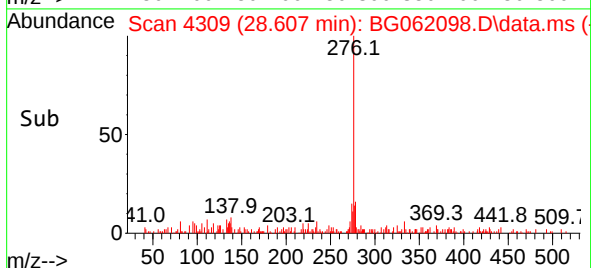
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024

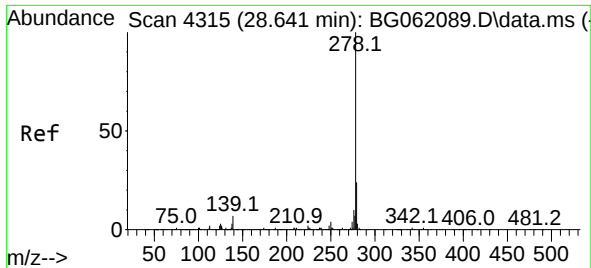


#94
Indeno(1,2,3-cd)pyrene
Concen: 2.482 ng/ul m
RT: 28.607 min Scan# 4309
Delta R.T. 0.019 min
Lab File: BG062098.D
Acq: 16 Jul 2024 17:37



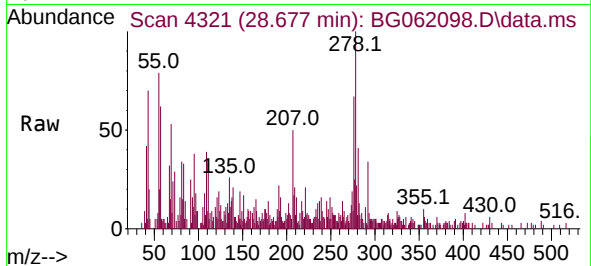
Tgt Ion:276 Resp: 78090
Ion Ratio Lower Upper
276 100
138 10.3 11.9 17.9#
277 20.9 19.3 28.9





#95
 Dibenzo(a,h)anthracene
 Concen: 1.529 ng/ul m
 RT: 28.677 min Scan# 4
 Delta R.T. 0.036 min
 Lab File: BG062098.D
 Acq: 16 Jul 2024 17:37

Instrument :
 BNA_G
 ClientSampleId :
 A4BX3



Tgt Ion:278 Resp: 3973
 Ion Ratio Lower Upper
 278 100
 139 21.0 7.6 11.4
 279 22.0 18.8 28.2

Manual Integrations
 APPROVED

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

