

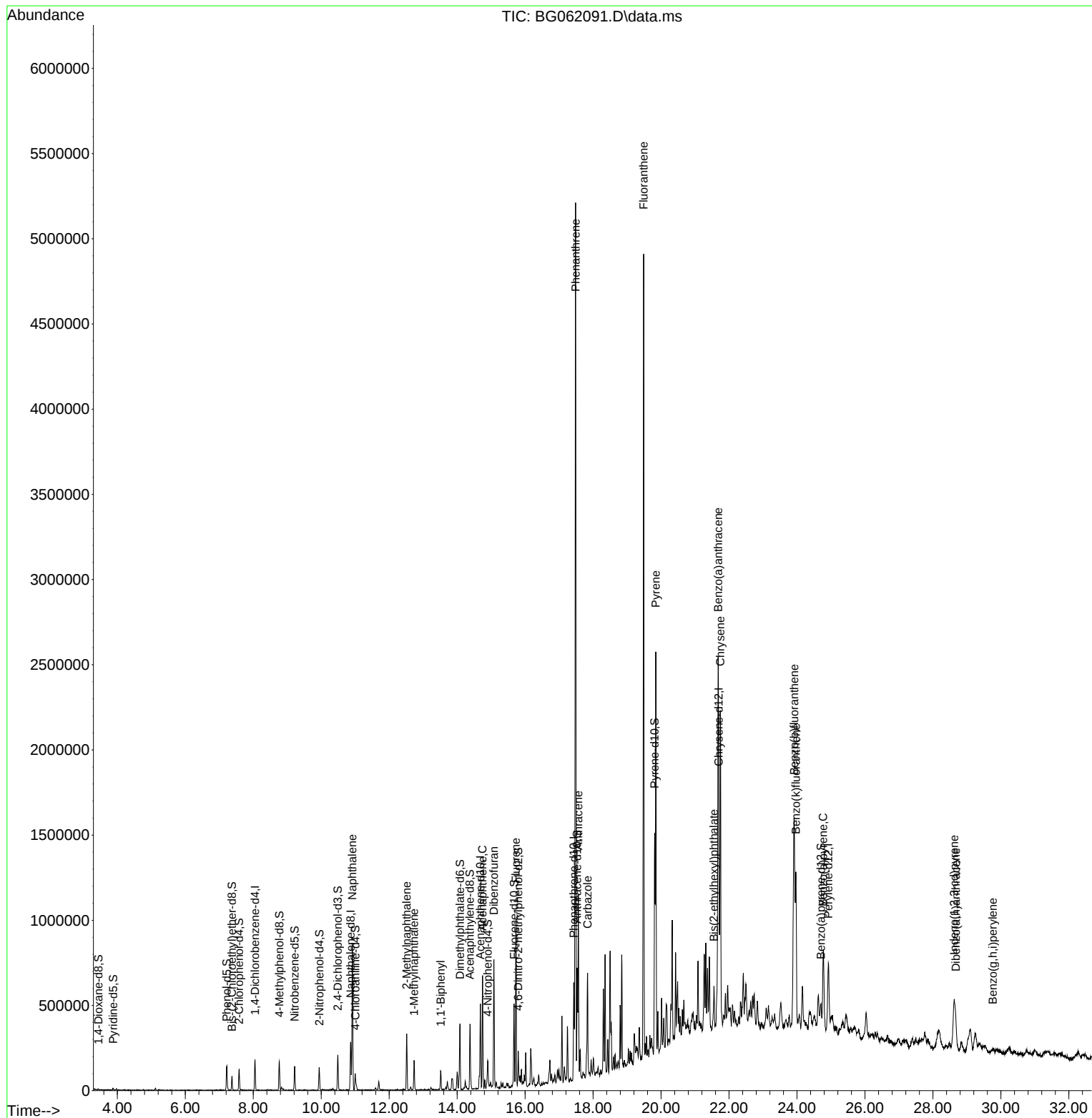
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
Data File : BG062091.D
Acq On : 16 Jul 2024 12:51
Operator : MA/JU
Sample : P3177-14
Misc :
ALS Vial : 4 Sample Multiplier: 1

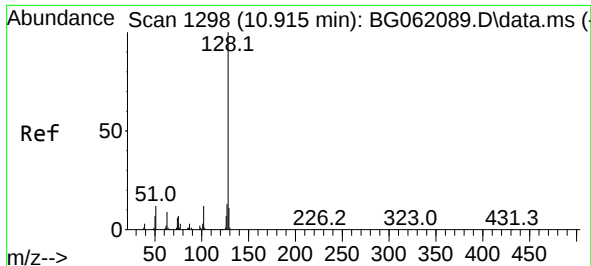
Instrument :
BNA_G
ClientSampleId :
A4BX8

Manual Integrations
APPROVED

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

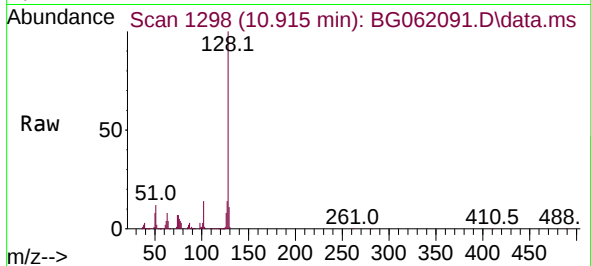
Quant Time: Jul 17 02:09:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 16 12:23:16 2024
Response via : Initial Calibration





#30
Naphthalene
Concen: 52.260 ng/ul
RT: 10.915 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

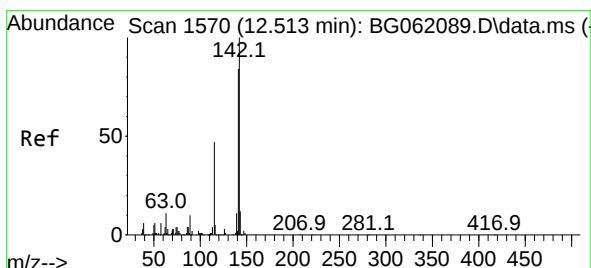
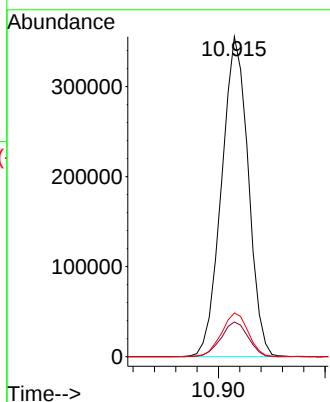
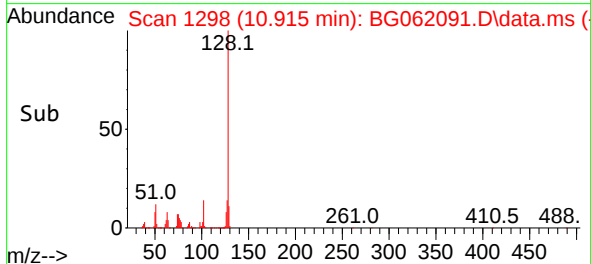
Instrument :
BNA_G
ClientSampleId :
A4BX8



Tgt Ion:128 Resp: 61774
Ion Ratio Lower Upper
128 100
129 10.9 7.7 11.5
127 13.6 9.6 14.4

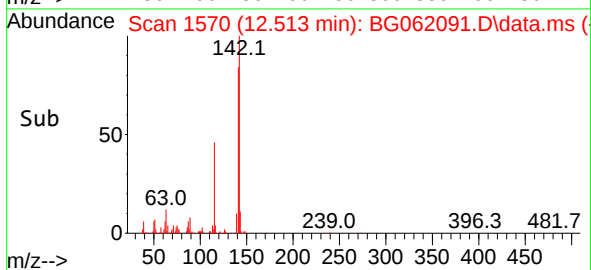
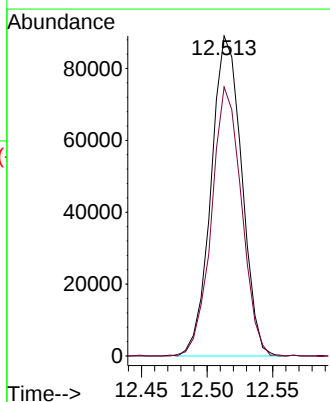
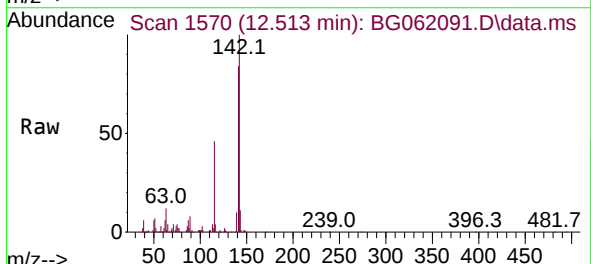
Manual Integrations
APPROVED

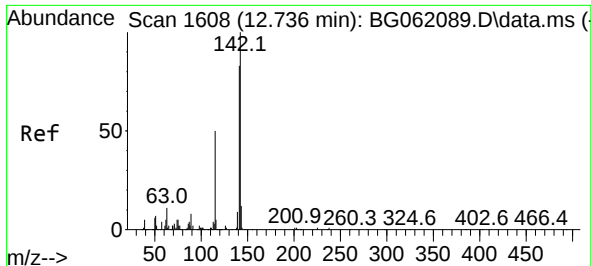
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#36
2-Methylnaphthalene
Concen: 16.863 ng/ul
RT: 12.513 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

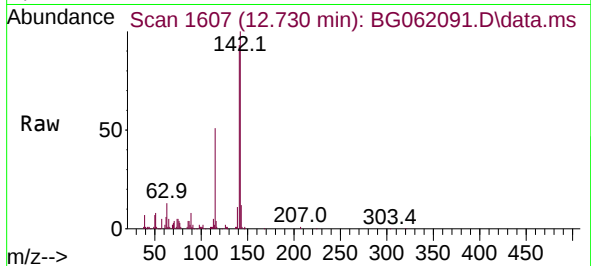
Tgt Ion:142 Resp: 144406
Ion Ratio Lower Upper
142 100
141 84.0 69.4 104.2





#37
1-Methylnaphthalene
Concen: 8.263 ng/ul
RT: 12.730 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

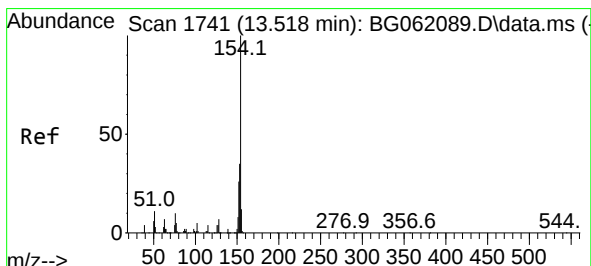
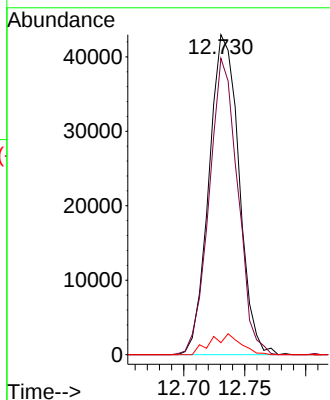
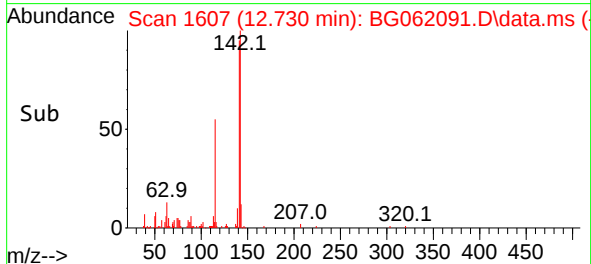
Instrument :
BNA_G
ClientSampleId :
A4BX8



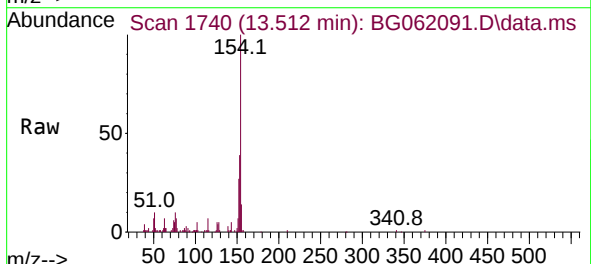
Tgt Ion:142 Resp: 7353
Ion Ratio Lower Upper
142 100
141 92.6 71.4 107.2
116 3.7 3.8 5.8

Manual Integrations
APPROVED

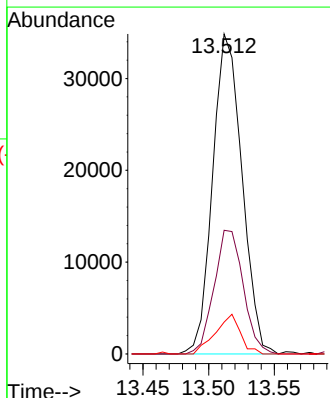
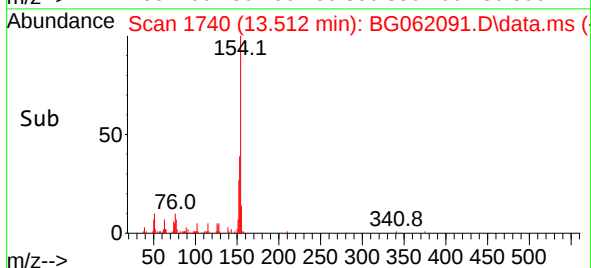
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024

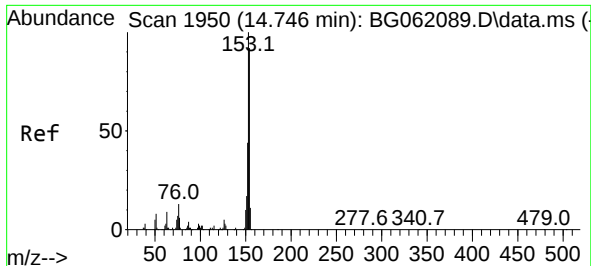


#43
1,1'-Biphenyl
Concen: 4.328 ng/ul
RT: 13.512 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51



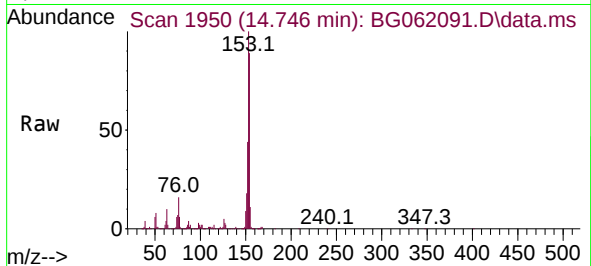
Tgt Ion:154 Resp: 54101
Ion Ratio Lower Upper
154 100
153 38.7 31.7 47.5
76 9.9 10.0 15.0





#52
Acenaphthene
Concen: 23.774 ng/ul
RT: 14.746 min Scan# 1950
Delta R.T. 0.000 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

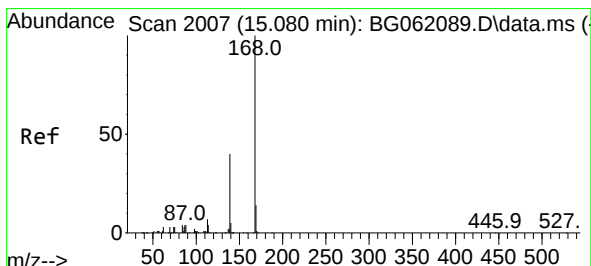
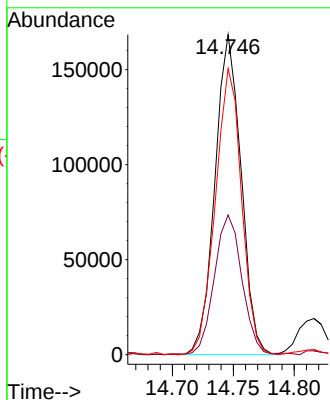
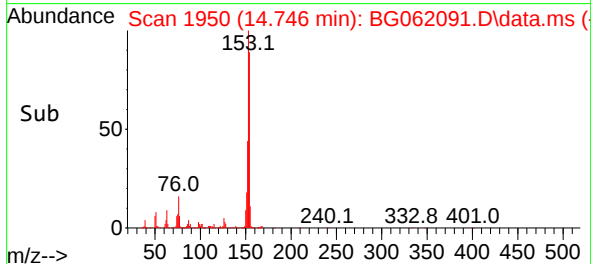
Instrument :
BNA_G
ClientSampleId :
A4BX8



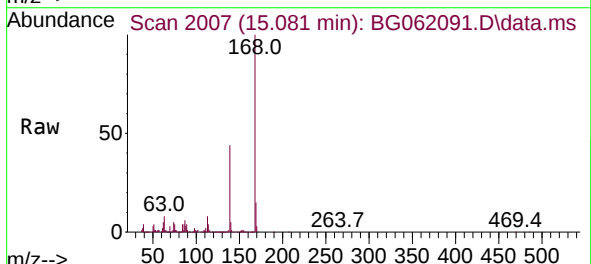
Tgt Ion:153 Resp: 251280
Ion Ratio Lower Upper
153 100
152 43.7 37.2 55.8
154 89.4 75.0 112.6

Manual Integrations
APPROVED

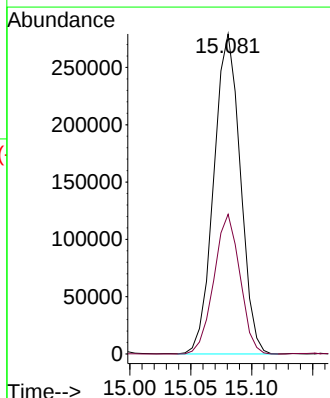
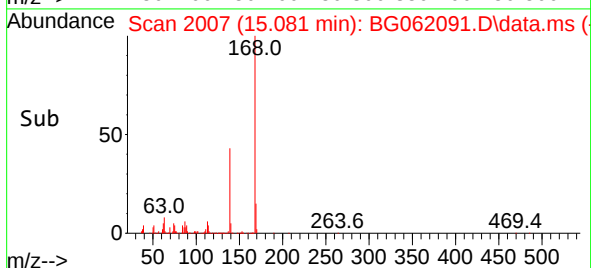
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024

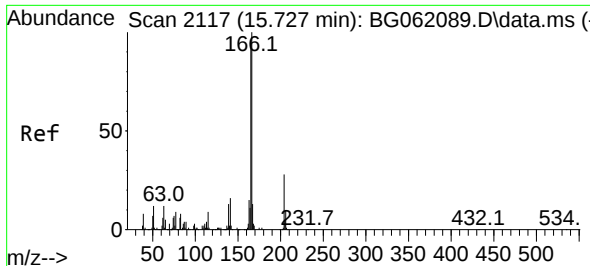


#56
Dibenzofuran
Concen: 28.311 ng/ul
RT: 15.081 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51



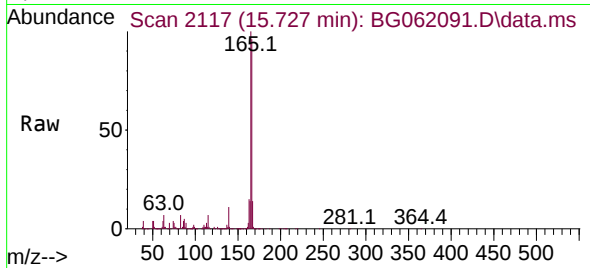
Tgt Ion:168 Resp: 422914
Ion Ratio Lower Upper
168 100
139 43.7 31.0 46.4





#61
Fluorene
Concen: 31.112 ng/ul
RT: 15.727 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

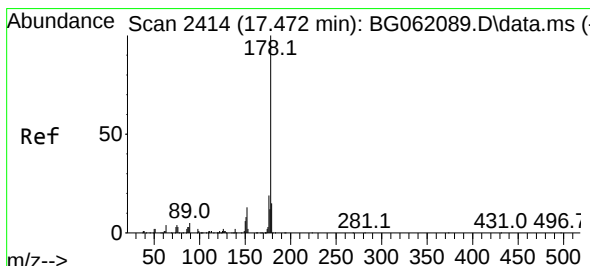
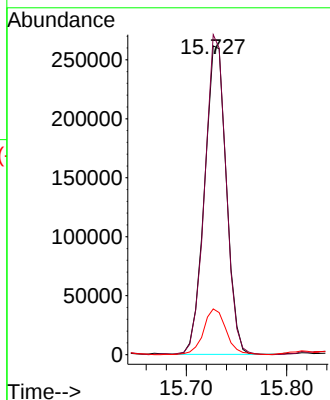
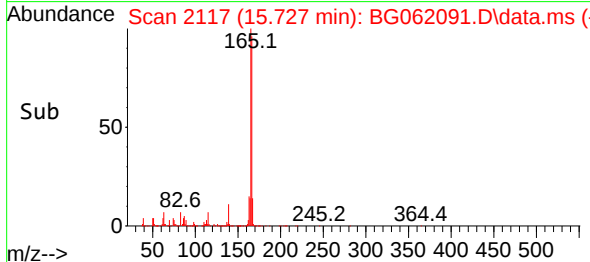
Instrument :
BNA_G
ClientSampleId :
A4BX8



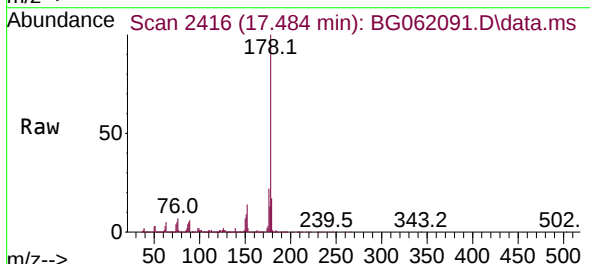
Tgt Ion:166 Resp: 395237
Ion Ratio Lower Upper
166 100
165 103.6 78.4 117.6
167 14.8 10.4 15.6

Manual Integrations
APPROVED

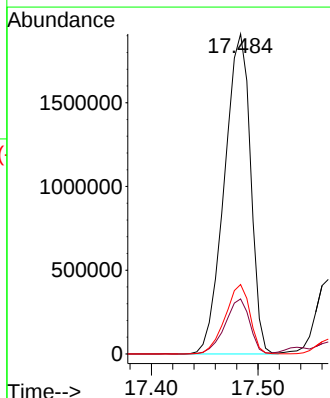
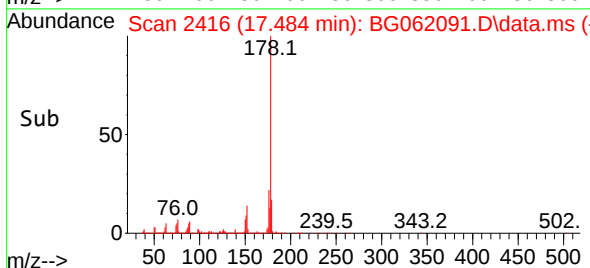
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024

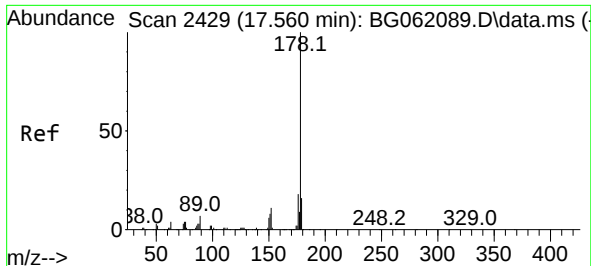


#72
Phenanthrene
Concen: 171.045 ng/ul
RT: 17.484 min Scan# 2416
Delta R.T. 0.012 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51



Tgt Ion:178 Resp: 3252809
Ion Ratio Lower Upper
178 100
179 17.2 11.9 17.9
176 21.7 15.5 23.3





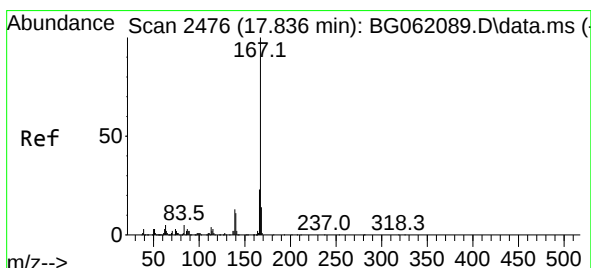
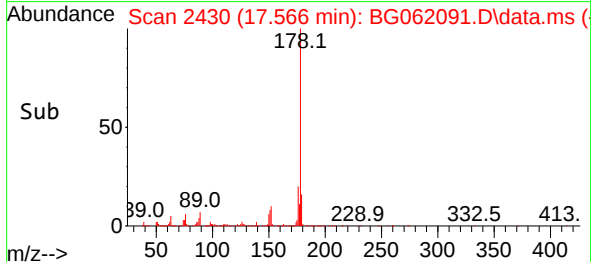
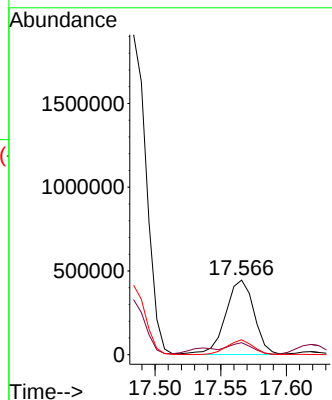
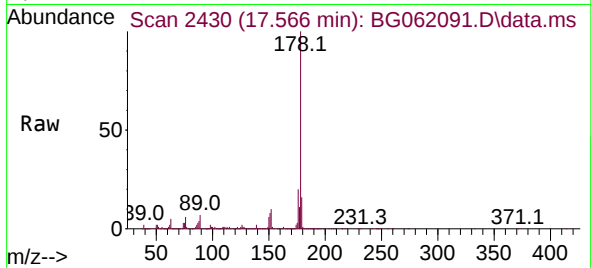
#74
 Anthracene
 Concen: 34.213 ng/uI
 RT: 17.566 min Scan# 2429
 Delta R.T. 0.006 min
 Lab File: BG062091.D
 Acq: 16 Jul 2024 12:51

Instrument :
 BNA_G
 ClientSampleId :
 A4BX8

Tgt Ion:178 Resp: 67240
 Ion Ratio Lower Upper
 178 100
 179 16.2 11.9 17.9
 176 19.9 14.7 22.1

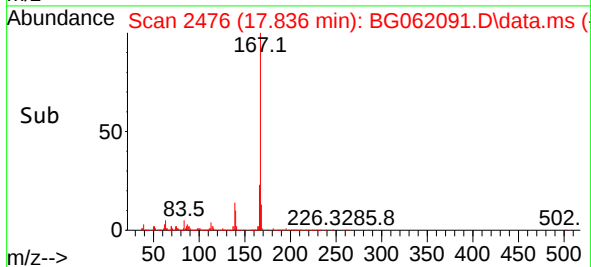
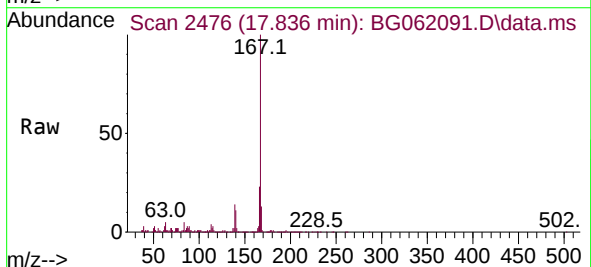
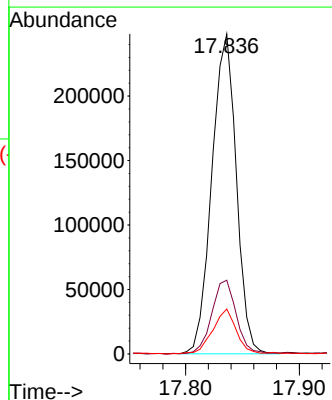
Manual Integrations
 APPROVED

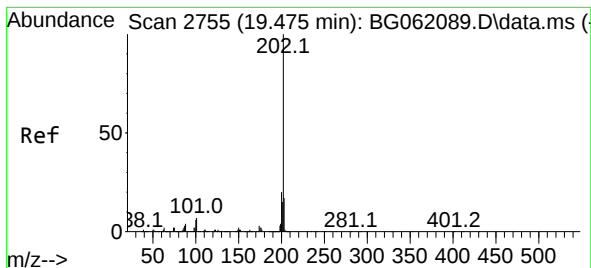
Reviewed By :Jagrut Upadhyay 07/17/2024
 Supervised By :mohammad ahmed 07/18/2024



#77
 Carbazole
 Concen: 22.378 ng/uI
 RT: 17.836 min Scan# 2476
 Delta R.T. 0.000 min
 Lab File: BG062091.D
 Acq: 16 Jul 2024 12:51

Tgt Ion:167 Resp: 370125
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.2 27.2
 139 14.0 9.6 14.4





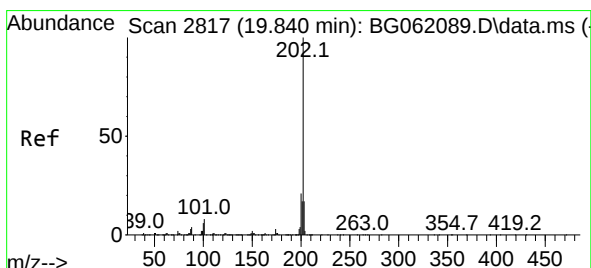
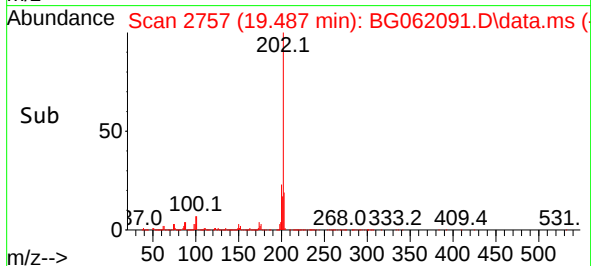
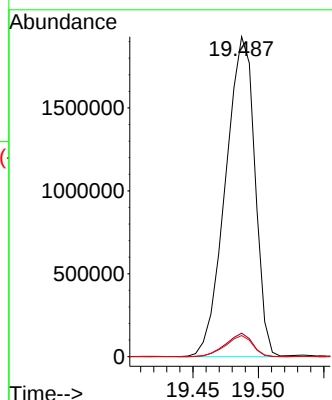
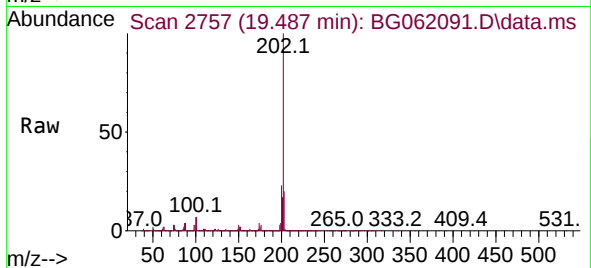
#80
Fluoranthene
Concen: 139.194 ng/ul m
RT: 19.487 min Scan# 2757
Delta R.T. 0.012 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

Instrument :
BNA_G
ClientSampleId :
A4BX8

Tgt Ion:202 Resp: 3012618
Ion Ratio Lower Upper
202 100
101 7.3 7.4 11.2#
100 6.6 6.6 10.0#

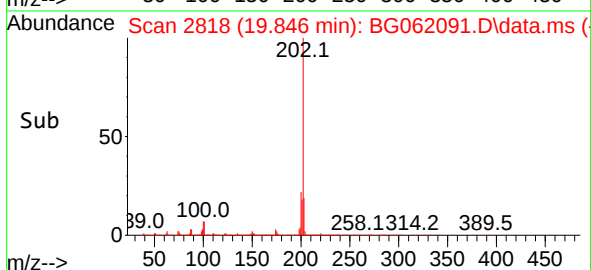
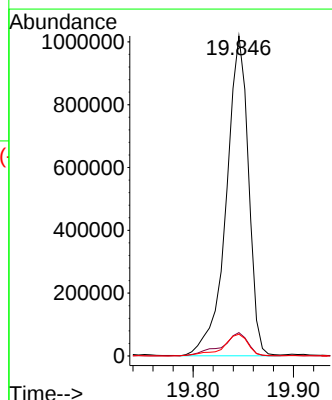
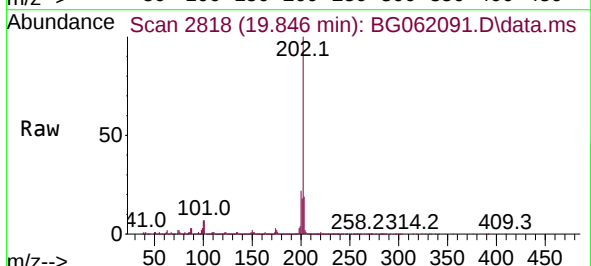
Manual Integrations
APPROVED

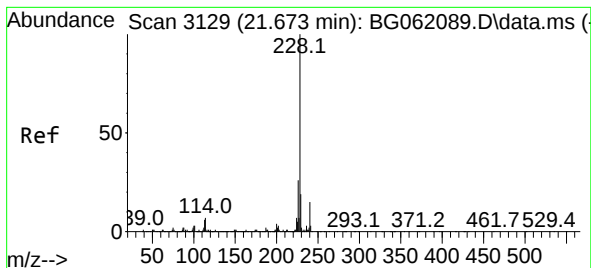
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#82
Pyrene
Concen: 69.952 ng/ul
RT: 19.846 min Scan# 2818
Delta R.T. 0.006 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

Tgt Ion:202 Resp: 1563898
Ion Ratio Lower Upper
202 100
101 7.3 8.8 13.2#
100 6.8 7.6 11.4#





#85

Benzo(a)anthracene

Concen: 63.027 ng/ul

RT: 21.679 min Scan# 3129

Delta R.T. 0.006 min

Lab File: BG062091.D

Acq: 16 Jul 2024 12:51

Instrument :

BNA_G

ClientSampleId :

A4BX8

Tgt Ion:228 Resp: 1418878

Ion Ratio Lower Upper

228 100

229 20.7 15.7 23.5

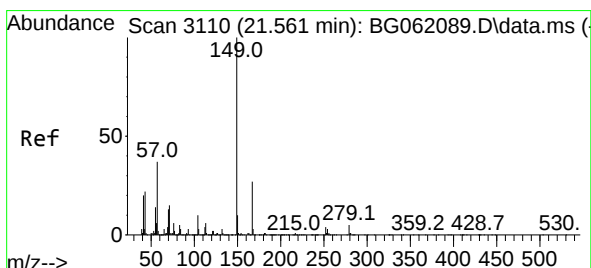
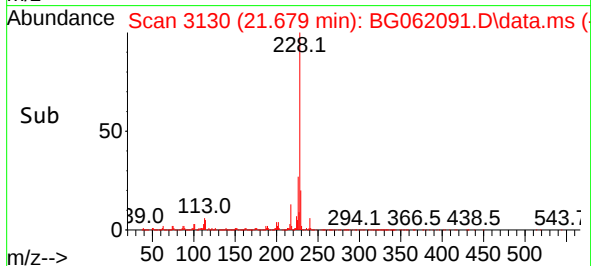
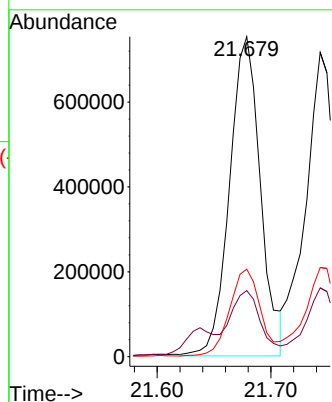
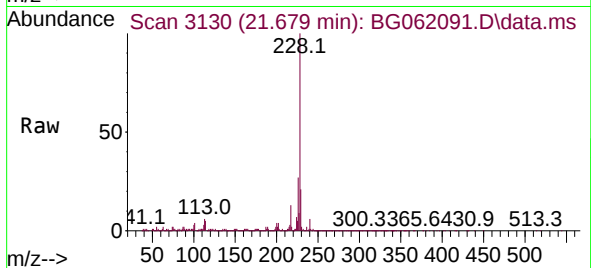
226 27.3 21.7 32.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/17/2024

Supervised By :mohammad ahmed 07/18/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.965 ng/ul

RT: 21.555 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BG062091.D

Acq: 16 Jul 2024 12:51

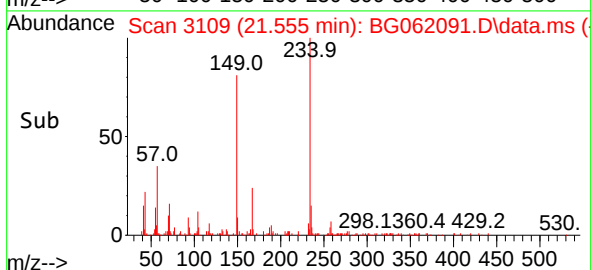
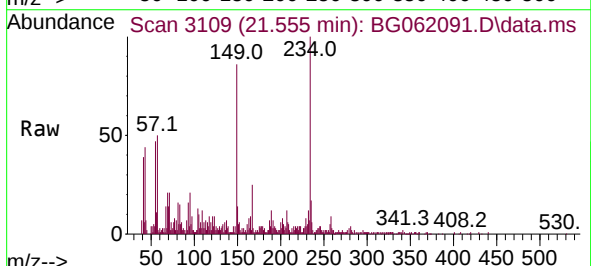
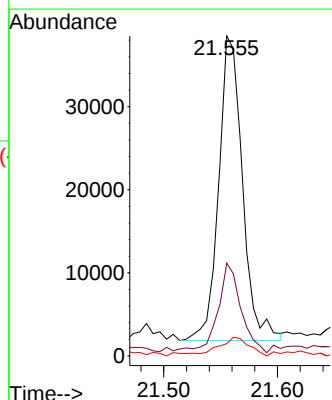
Tgt Ion:149 Resp: 53390

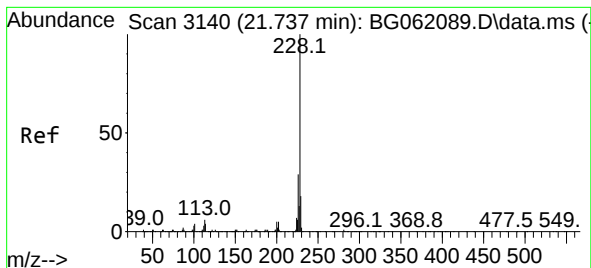
Ion Ratio Lower Upper

149 100

167 29.0 21.7 32.5

279 3.8 2.8 4.2





#87

Chrysene

Concen: 60.527 ng/ul

RT: 21.743 min Scan# 3140

Delta R.T. 0.006 min

Lab File: BG062091.D

Acq: 16 Jul 2024 12:51

Instrument :

BNA_G

ClientSampleId :

A4BX8

Tgt Ion:228 Resp: 127559

Ion Ratio Lower Upper

228 100

226 29.3 23.3 34.9

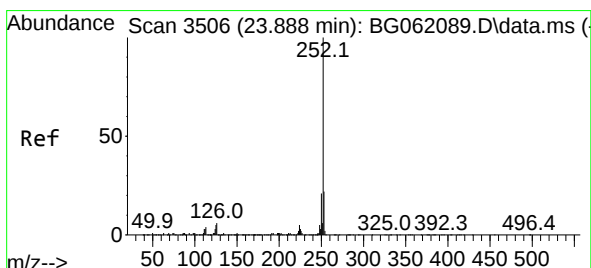
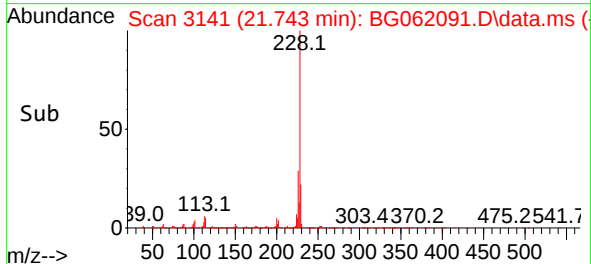
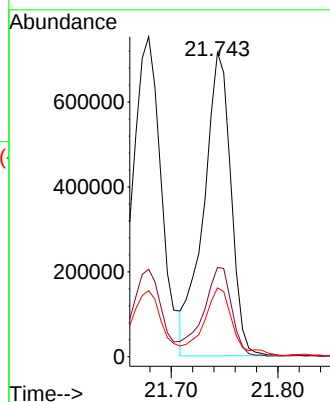
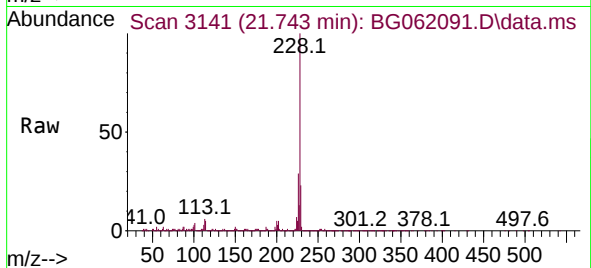
229 22.6 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/17/2024

Supervised By :mohammad ahmed 07/18/2024



#90

Benzo(b)fluoranthene

Concen: 68.418 ng/ul

RT: 23.917 min Scan# 3511

Delta R.T. 0.030 min

Lab File: BG062091.D

Acq: 16 Jul 2024 12:51

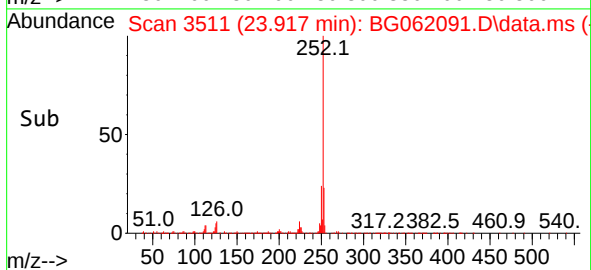
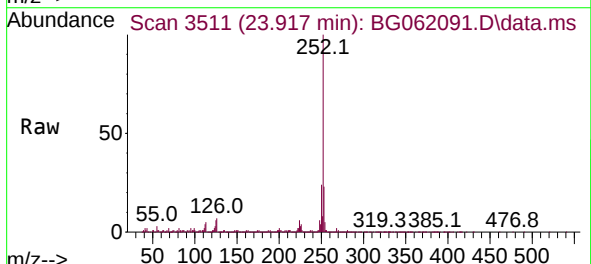
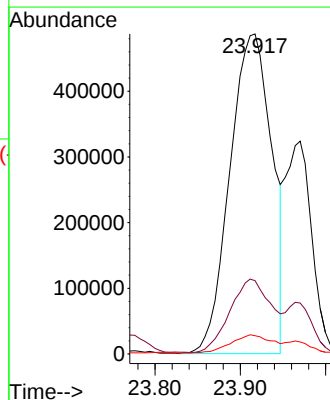
Tgt Ion:252 Resp: 1665664

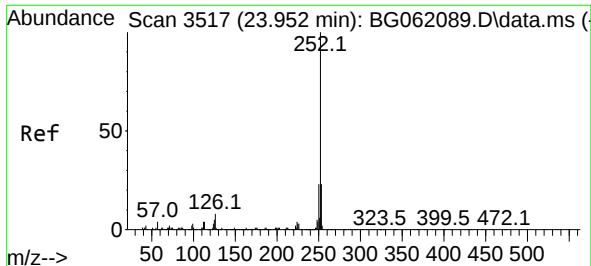
Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

125 5.7 6.1 9.1#





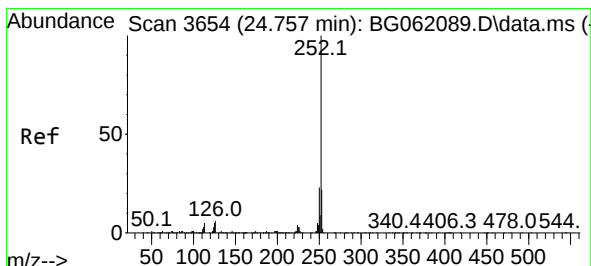
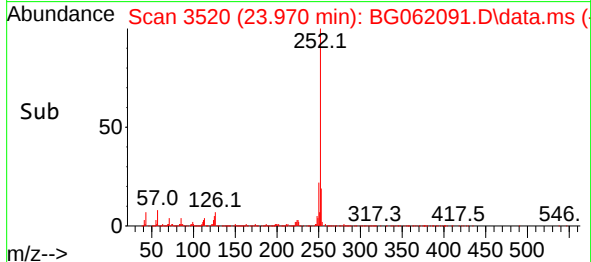
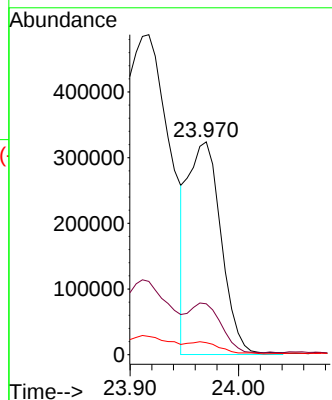
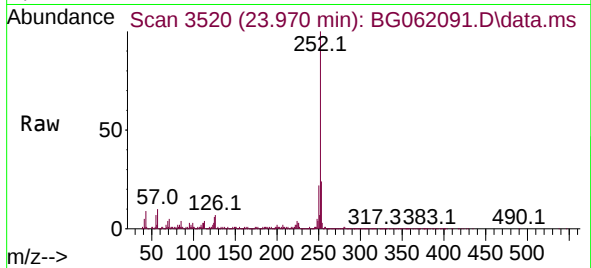
#91
Benzo(k)fluoranthene
Concen: 28.331 ng/ul m
RT: 23.970 min Scan# 3517
Delta R.T. 0.018 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

Instrument :
BNA_G
ClientSampleId :
A4BX8

Tgt Ion:252 Resp: 687790
Ion Ratio Lower Upper
252 100
253 23.9 19.3 28.9
125 5.6 6.3 9.5

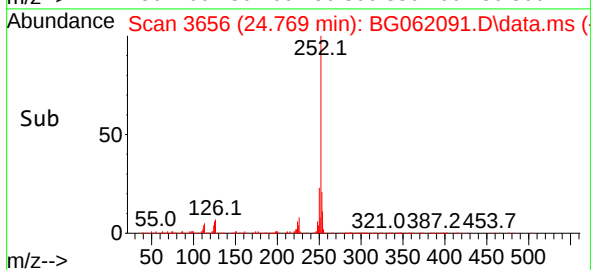
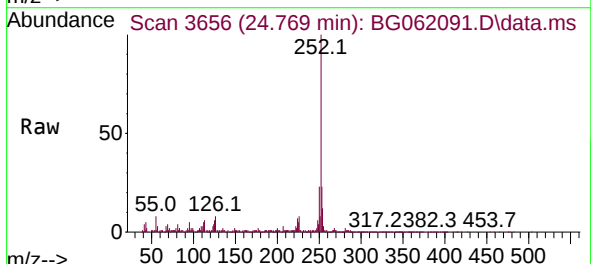
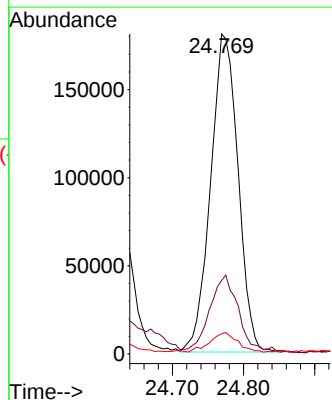
Manual Integrations
APPROVED

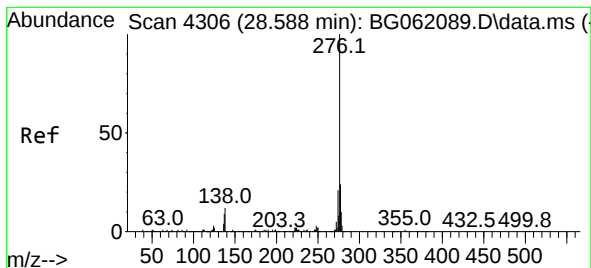
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#93
Benzo(a)pyrene
Concen: 20.978 ng/ul
RT: 24.769 min Scan# 3656
Delta R.T. 0.012 min
Lab File: BG062091.D
Acq: 16 Jul 2024 12:51

Tgt Ion:252 Resp: 483610
Ion Ratio Lower Upper
252 100
253 22.9 16.5 24.7
125 6.3 7.4 11.2#





#94

Indeno(1,2,3-cd)pyrene

Concen: 17.859 ng/ul

RT: 28.624 min Scan# 4312

Delta R.T. 0.035 min

Lab File: BG062091.D

Acq: 16 Jul 2024 12:51

Instrument :

BNA_G

ClientSampleId :

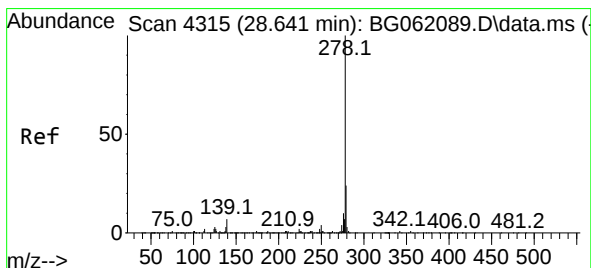
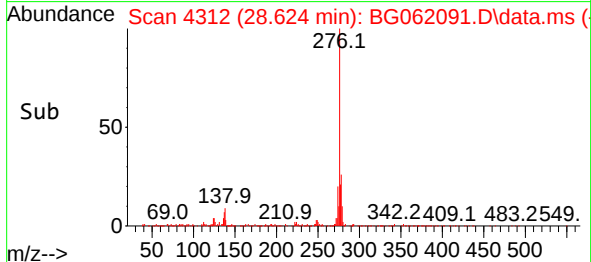
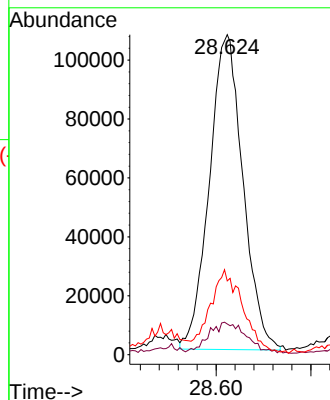
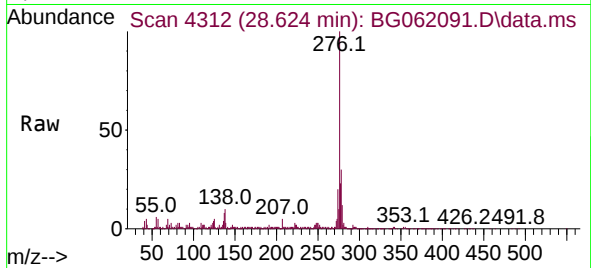
A4BX8

Tgt Ion:	276	Resp:	52613
Ion Ratio	Lower	Upper	
276	100		
138	12.5	11.9	17.9
277	23.0	19.3	28.9

Manual Integrations

APPROVED

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



#95

Dibenzo(a,h)anthracene

Concen: 10.493 ng/ul

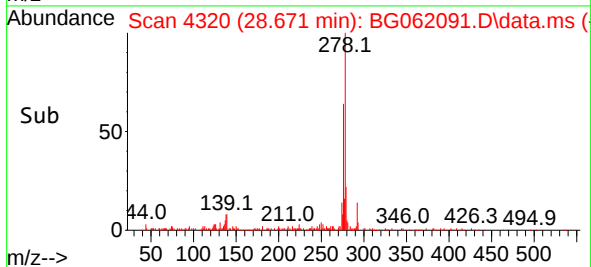
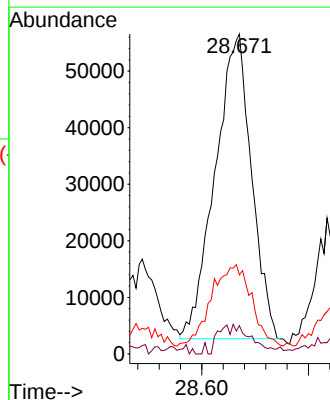
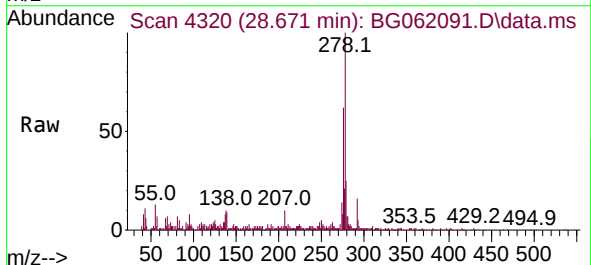
RT: 28.671 min Scan# 4320

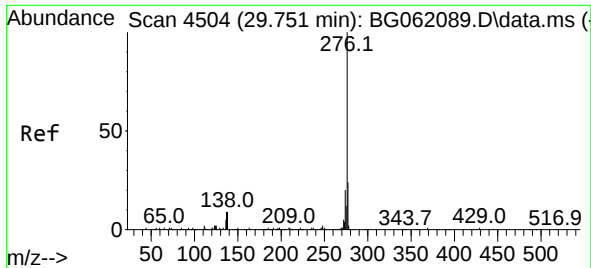
Delta R.T. 0.030 min

Lab File: BG062091.D

Acq: 16 Jul 2024 12:51

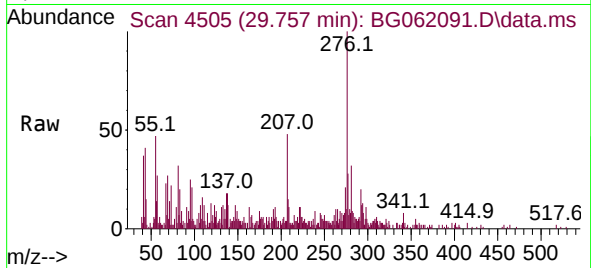
Tgt Ion:	278	Resp:	255314
Ion Ratio	Lower	Upper	
278	100		
139	8.8	7.6	11.4
279	24.7	18.8	28.2





#96
 Benzo(g,h,i)perylene
 Concen: 2.739 ng/ul m
 RT: 29.757 min Scan# 4
 Delta R.T. 0.006 min
 Lab File: BG062091.D
 Acq: 16 Jul 2024 12:51

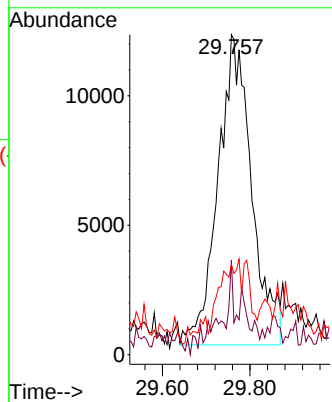
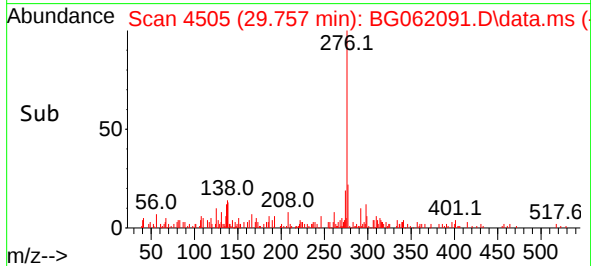
Instrument :
 BNA_G
 ClientSampleId :
 A4BX8



Tgt Ion:276 Resp: 64200
 Ion Ratio Lower Upper
 276 100
 138 17.7 11.1 16.7
 277 28.2 18.8 28.2

Manual Integrations
 APPROVED

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
 Data File : BG062091.D
 Acq On : 16 Jul 2024 12:51
 Operator : MA/JU
 Sample : P3177-14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BX8

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 02:09:16 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	8.048	152	42373	20.000	ng/u1	0.00
20) Naphthalene-d8	10.862	136	215192	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.681	164	162231	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.431	188	360668	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.696	240	310926	20.000	ng/u1	# 0.00
88) Perylene-d12	24.922	264	386411	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.441	96	2125	1.885	ng/uL	0.00
4) Pyridine-d5	3.876	84	5712m	1.647	ng/u1	0.02
7) Phenol-d5	7.219	99	66480	14.336	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.372	67	34056	11.597	ng/u1	0.00
11) 2-Chlorophenol-d4	7.583	132	44660	14.040	ng/u1	0.00
15) 4-Methylphenol-d8	8.764	113	54428	14.907	ng/u1	0.00
21) Nitrobenzene-d5	9.217	128	24406	14.913	ng/u1	0.00
24) 2-Nitrophenol-d4	9.945	143	30077	16.093	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.486	165	63715	17.674	ng/u1	0.00
31) 4-Chloroaniline-d4	11.003	131	41533	7.936	ng/u1	0.00
46) Dimethylphthalate-d6	14.082	166	230270	17.265	ng/u1	0.00
49) Acenaphthylene-d8	14.376	160	238049	17.069	ng/u1	0.00
54) 4-Nitrophenol-d4	14.898	143	26501	12.442	ng/u1	0.00
60) Fluorene-d10	15.674	176	192271	17.124	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.791	200	33713	17.798	ng/u1	0.00
73) Anthracene-d10	17.531	188	299175	17.767	ng/u1	0.00
81) Pyrene-d10	19.810	212	234859	12.842	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.705	264	165904	8.657	ng/u1	0.01
Target Compounds					Qvalue	
30) Naphthalene	10.915	128	617747	52.260	ng/u1	96
36) 2-Methylnaphthalene	12.513	142	144406	16.863	ng/u1	97
37) 1-Methylnaphthalene	12.730	142	73535	8.263	ng/u1#	96
43) 1,1'-Biphenyl	13.512	154	54101	4.328	ng/u1#	97
52) Acenaphthene	14.746	153	251280	23.774	ng/u1	96
56) Dibenzofuran	15.081	168	422914	28.311	ng/u1	92
61) Fluorene	15.727	166	395237	31.112	ng/u1	94
72) Phenanthrene	17.484	178	3252809	171.045	ng/u1	95
74) Anthracene	17.566	178	672401	34.213	ng/u1	97
77) Carbazole	17.836	167	370125	22.378	ng/u1	98
80) Fluoranthene	19.487	202	3012618m	139.194	ng/u1	
82) Pyrene	19.846	202	1563898	69.952	ng/u1#	91
85) Benzo(a)anthracene	21.679	228	1418878	63.027	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.555	149	53390	3.965	ng/u1	97
87) Chrysene	21.743	228	1275591	60.527	ng/u1	97
90) Benzo(b)fluoranthene	23.917	252	1665664	68.418	ng/u1#	96
91) Benzo(k)fluoranthene	23.970	252	687790m	28.331	ng/u1	
93) Benzo(a)pyrene	24.769	252	483610	20.978	ng/u1#	94
94) Indeno(1,2,3-cd)pyrene	28.624	276	526135	17.859	ng/u1	96
95) Dibenzo(a,h)anthracene	28.671	278	255314	10.493	ng/u1	98
96) Benzo(g,h,i)perylene	29.757	276	64206m	2.739	ng/u1	

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