

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071624\
 Data File : BG062100.D
 Acq On : 16 Jul 2024 18:59
 Operator : MA/JU
 Sample : P3177-14DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4BX8DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 02:49:17 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	37096	20.000	ng/u1	0.00
20) Naphthalene-d8	10.870	136	171001	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.689	164	129733	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.433	188	276524	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.698	240	223957	20.000	ng/u1	# 0.00
88) Perylene-d12	24.930	264	312139	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.221	99	13401	3.301	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.380	67	7288	2.835	ng/u1	0.00
11) 2-Chlorophenol-d4	7.585	132	10036	3.604	ng/u1	0.00
15) 4-Methylphenol-d8	8.772	113	13480	4.217	ng/u1	0.00
21) Nitrobenzene-d5	9.225	128	6082	4.677	ng/u1	0.00
24) 2-Nitrophenol-d4	9.947	143	6804	4.581	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.500	165	11450	3.997	ng/u1	0.01
31) 4-Chloroaniline-d4	11.005	131	10041m	2.414	ng/u1	0.00
46) Dimethylphthalate-d6	14.084	166	49619	4.652	ng/u1	0.00
49) Acenaphthylene-d8	14.383	160	47983	4.302	ng/u1	0.00
54) 4-Nitrophenol-d4	14.912	143	4814	2.826	ng/u1	0.00
60) Fluorene-d10	15.676	176	38142	4.248	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.532	188	64195	4.972	ng/u1	0.00
81) Pyrene-d10	19.812	212	53997	4.099	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.695	264	36871	2.382	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.923	128	135822	14.460	ng/u1	96
36) 2-Methylnaphthalene	12.521	142	31077	4.567	ng/u1	99
37) 1-Methylnaphthalene	12.738	142	17028m	2.408	ng/u1	
43) 1,1'-Biphenyl	13.525	154	10777	1.078	ng/u1#	89
52) Acenaphthene	14.753	153	54922	6.498	ng/u1	88
56) Dibenzofuran	15.082	168	95801	8.020	ng/u1	90
61) Fluorene	15.735	166	70565	6.946	ng/u1	97
72) Phenanthrene	17.480	178	755646	51.826	ng/u1	98
74) Anthracene	17.568	178	148301	9.842	ng/u1	96
77) Carbazole	17.838	167	82791	6.529	ng/u1#	96
80) Fluoranthene	19.483	202	727169	46.645	ng/u1#	90
82) Pyrene	19.842	202	352241	21.874	ng/u1#	91
85) Benzo(a)anthracene	21.681	228	284627m	17.553	ng/u1	
86) Bis(2-ethylhexyl)phtha...	21.563	149	11720	1.209	ng/u1#	87
87) Chrysene	21.745	228	258998	17.062	ng/u1	94
90) Benzo(b)fluoranthene	23.901	252	344131	17.499	ng/u1#	95
91) Benzo(k)fluoranthene	23.960	252	142166m	7.249	ng/u1	
93) Benzo(a)pyrene	24.771	252	104755	5.625	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	28.625	276	87511m	3.677	ng/u1	
95) Dibenzo(a,h)anthracene	28.655	278	45692m	2.325	ng/u1	

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

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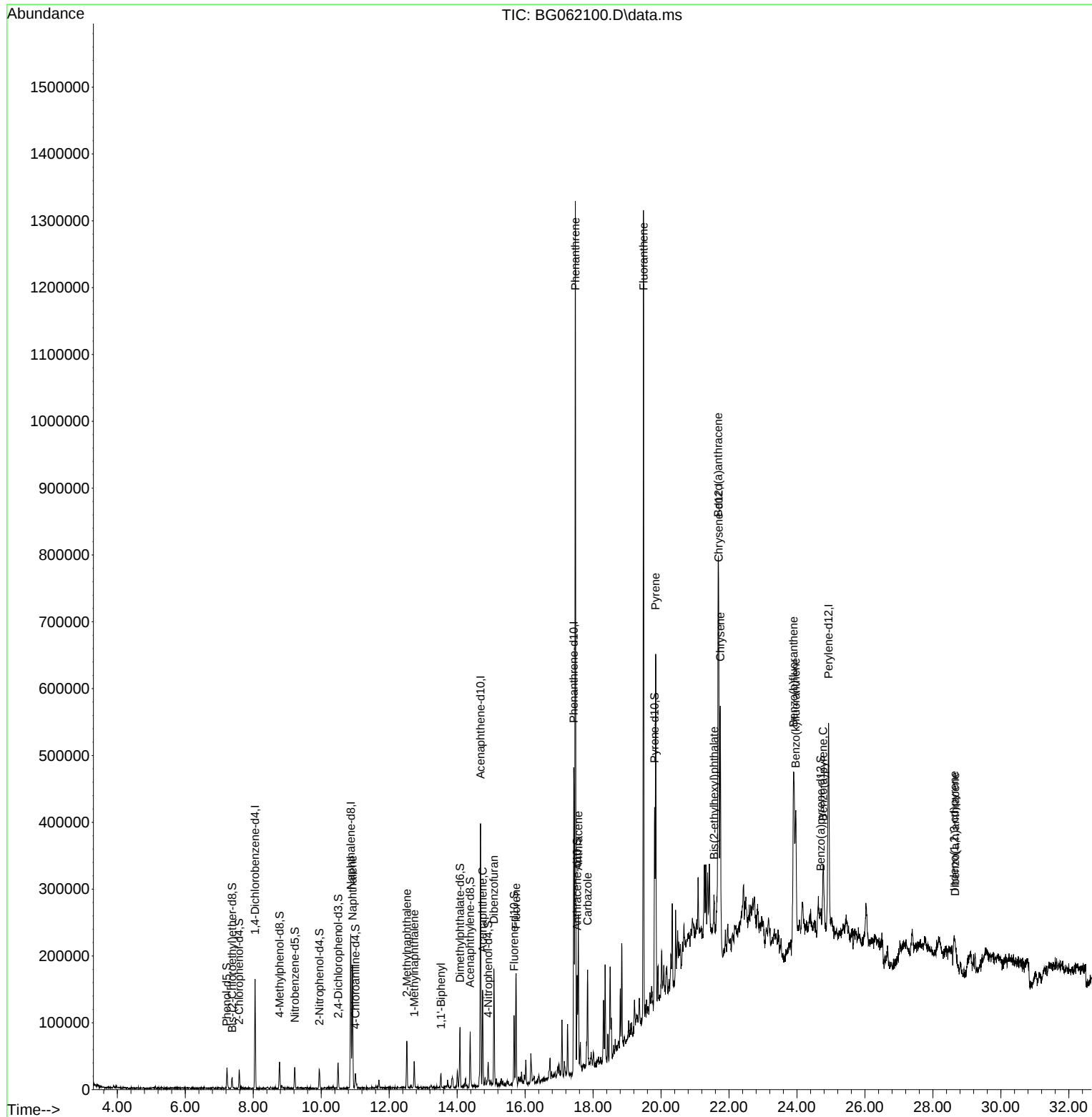
Quant Time: Jul 17 02:49:17 2024

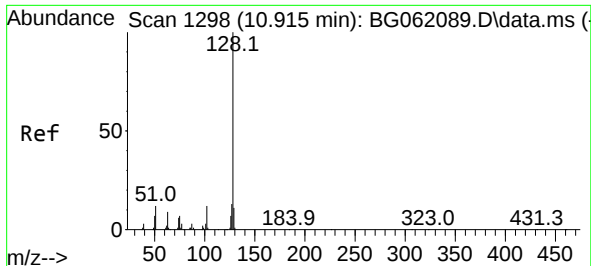
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jul 16 12:23:16 2024

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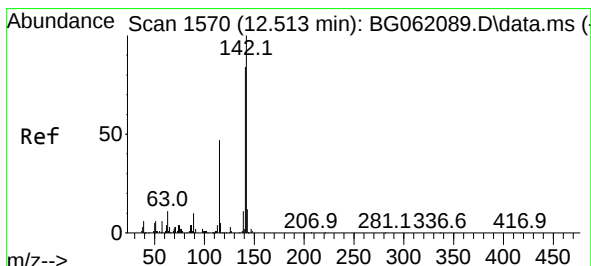
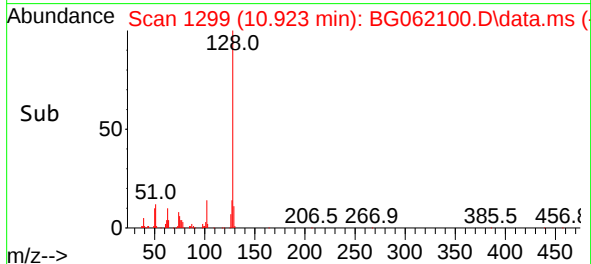
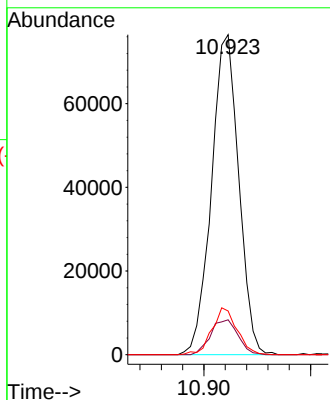
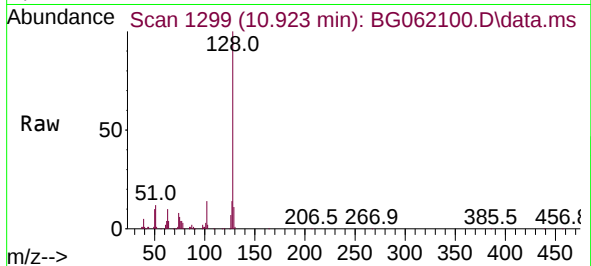
#30
Naphthalene
Concen: 14.460 ng/ul
RT: 10.923 min Scan# 1298
Delta R.T. 0.008 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Instrument :
BNA_G
ClientSampleId :
A4BX8DL

Tgt Ion:128 Resp: 13582
Ion Ratio Lower Upper
128 100
129 10.9 7.7 11.5
127 13.6 9.6 14.4

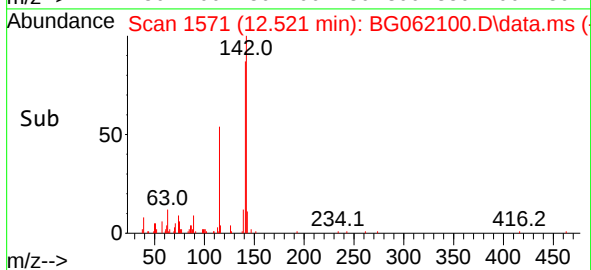
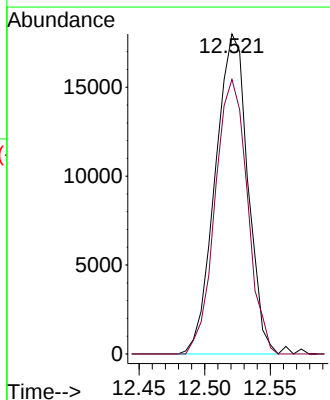
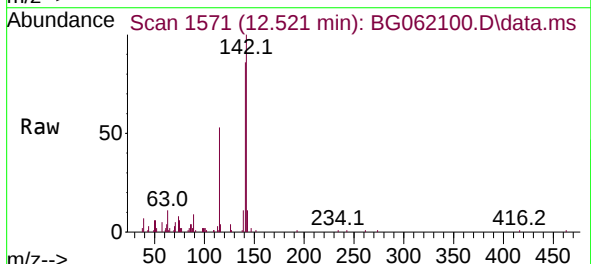
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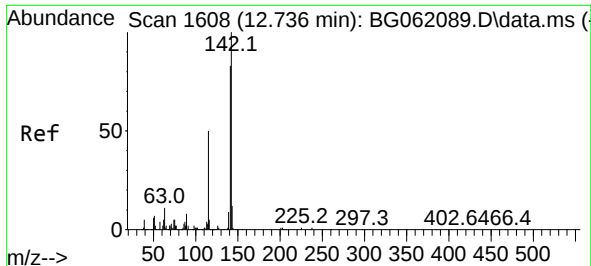
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#36
2-Methylnaphthalene
Concen: 4.567 ng/ul
RT: 12.521 min Scan# 1571
Delta R.T. 0.008 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Tgt Ion:142 Resp: 31077
Ion Ratio Lower Upper
142 100
141 85.8 69.4 104.2





#37

1-Methylnaphthalene

Concen: 2.408 ng/ul m

RT: 12.738 min Scan# 1

Delta R.T. 0.002 min

Lab File: BG062100.D

Acq: 16 Jul 2024 18:59

Instrument :

BNA_G

ClientSampleId :

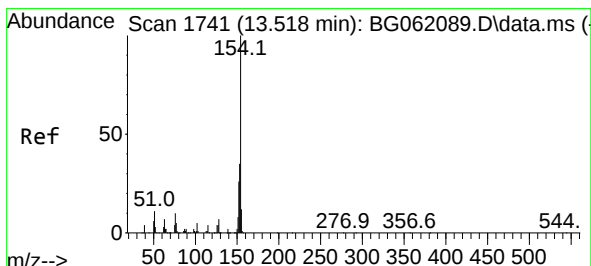
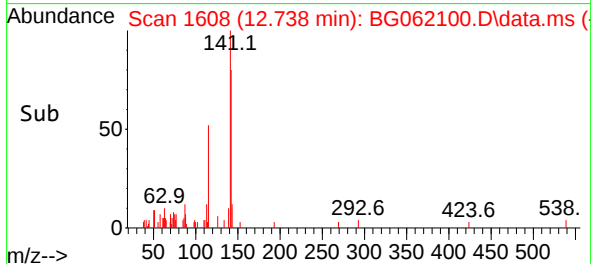
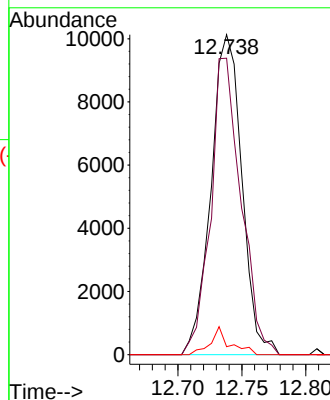
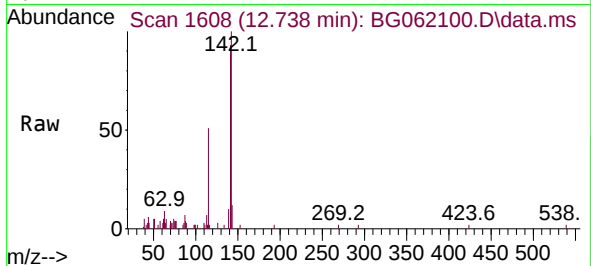
A4BX8DL

Tgt Ion:	142	Resp:	1702
Ion Ratio	Lower	Upper	
142	100		
141	92.6	71.4	107.2
116	2.5	3.8	5.8

Manual Integrations

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#43

1,1'-Biphenyl

Concen: 1.078 ng/ul

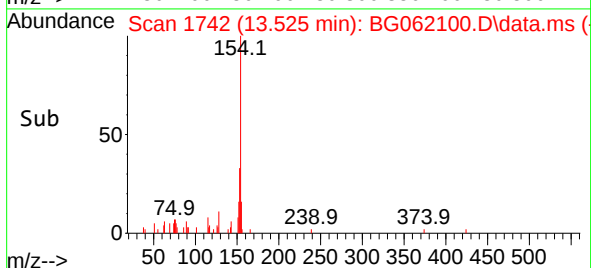
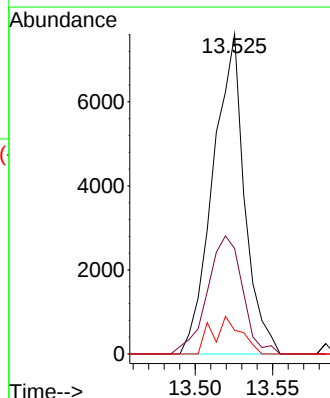
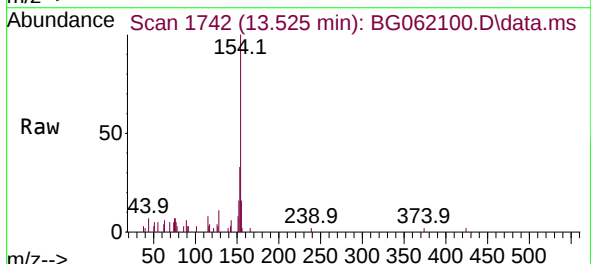
RT: 13.525 min Scan# 1742

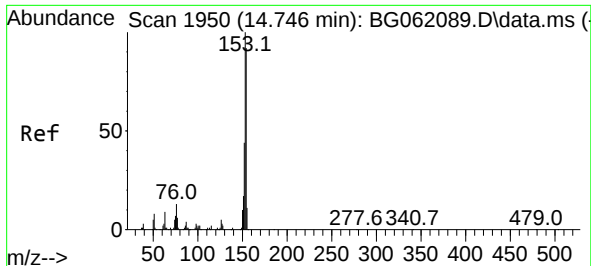
Delta R.T. 0.008 min

Lab File: BG062100.D

Acq: 16 Jul 2024 18:59

Tgt Ion:	154	Resp:	10777
Ion Ratio	Lower	Upper	
154	100		
153	33.0	31.7	47.5
76	7.4	10.0	15.0





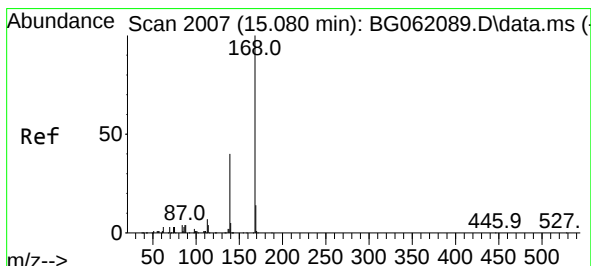
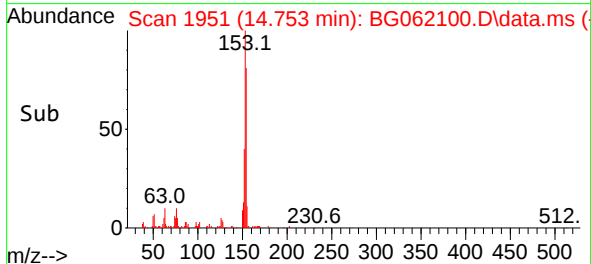
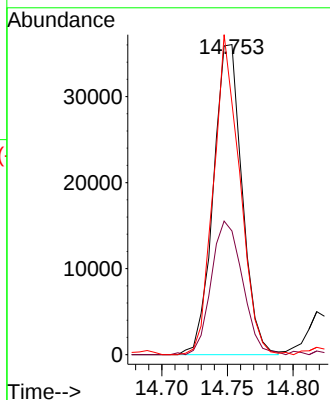
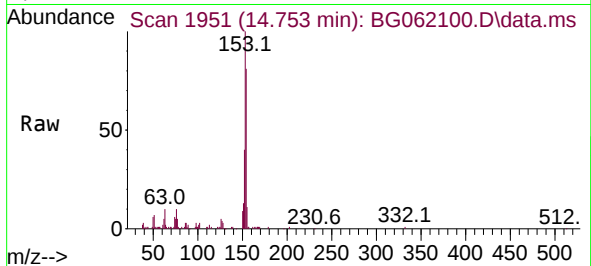
#52
Acenaphthene
Concen: 6.498 ng/uI
RT: 14.753 min Scan# 1951
Delta R.T. 0.008 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Instrument :
BNA_G
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A4BX8DL

Tgt Ion:153 Resp: 5492
Ion Ratio Lower Upper
153 100
152 39.9 37.2 55.8
154 81.2 75.0 112.6

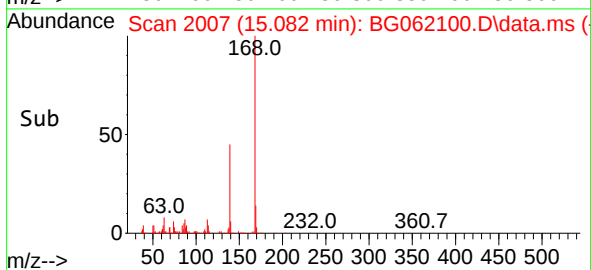
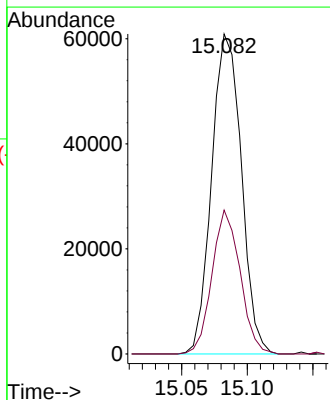
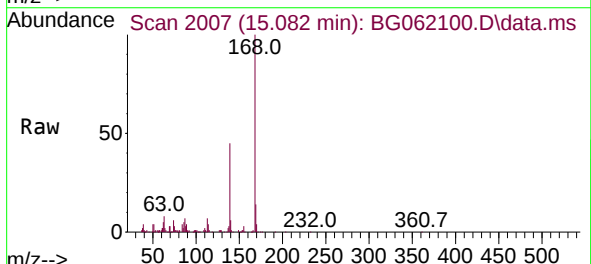
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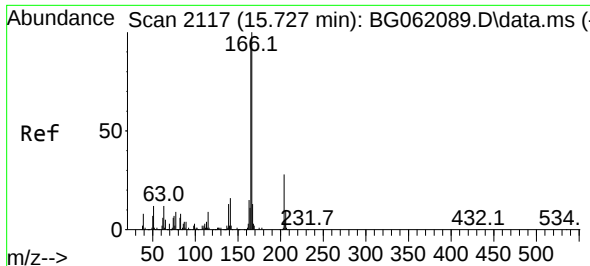
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#56
Dibenzofuran
Concen: 8.020 ng/uI
RT: 15.082 min Scan# 2007
Delta R.T. 0.002 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Tgt Ion:168 Resp: 95801
Ion Ratio Lower Upper
168 100
139 45.0 31.0 46.4





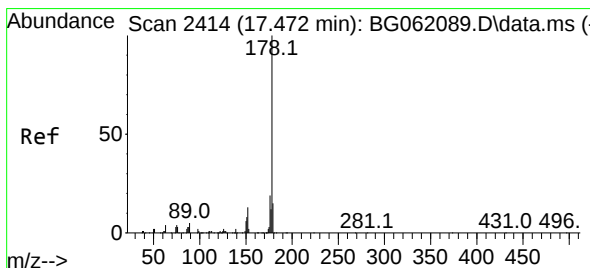
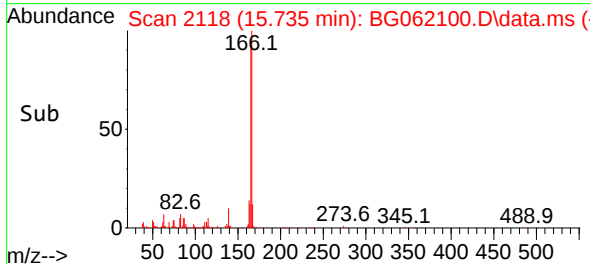
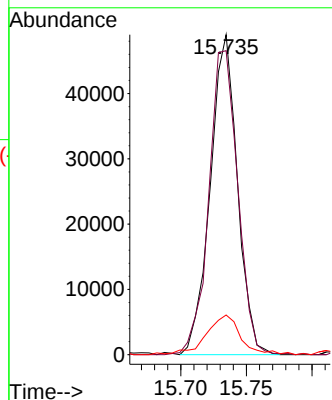
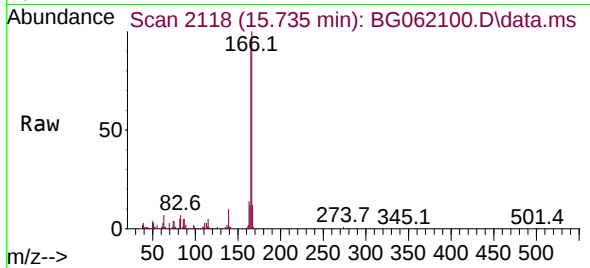
#61
Fluorene
Concen: 6.946 ng/ul
RT: 15.735 min Scan# 2117
Delta R.T. 0.008 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Instrument :
BNA_G
ClientSampleId :
A4BX8DL

Tgt Ion:166 Resp: 7056
Ion Ratio Lower Upper
166 100
165 95.0 78.4 117.6
167 12.4 10.4 15.6

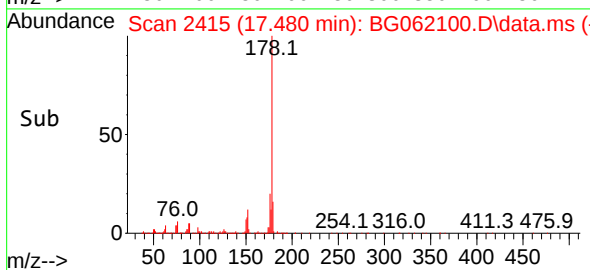
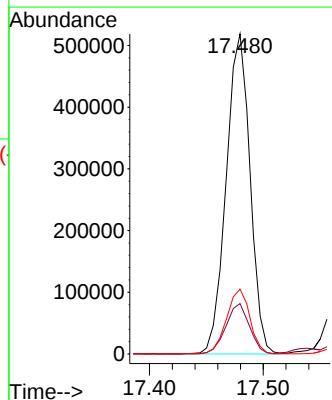
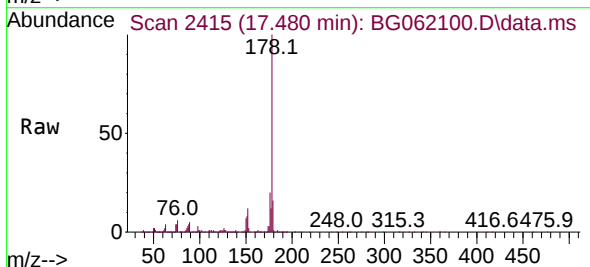
Manual Integrations
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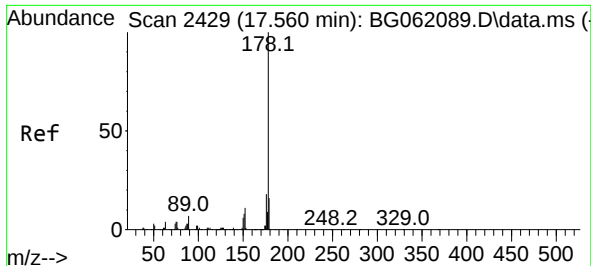
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#72
Phenanthrene
Concen: 51.826 ng/ul
RT: 17.480 min Scan# 2415
Delta R.T. 0.008 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

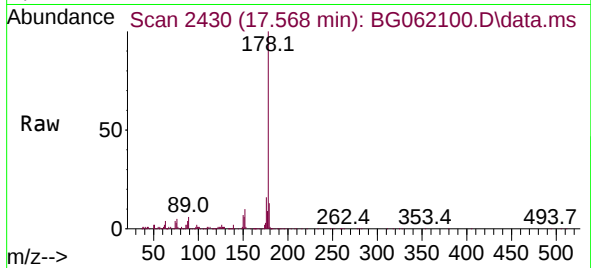
Tgt Ion:178 Resp: 755646
Ion Ratio Lower Upper
178 100
179 15.8 11.9 17.9
176 20.3 15.5 23.3





#74
 Anthracene
 Concen: 9.842 ng/u1
 RT: 17.568 min Scan# 2429
 Delta R.T. 0.008 min
 Lab File: BG062100.D
 Acq: 16 Jul 2024 18:59

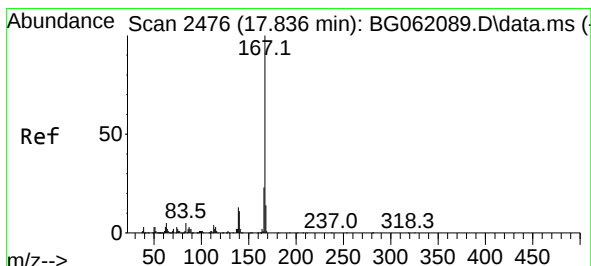
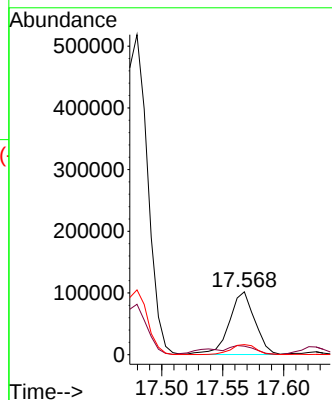
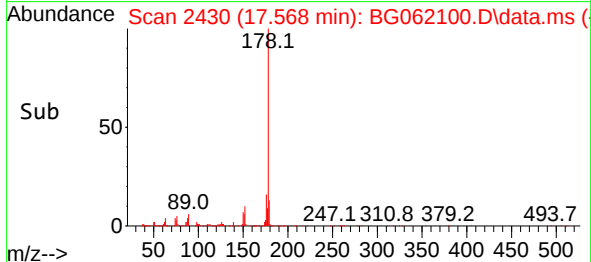
Instrument :
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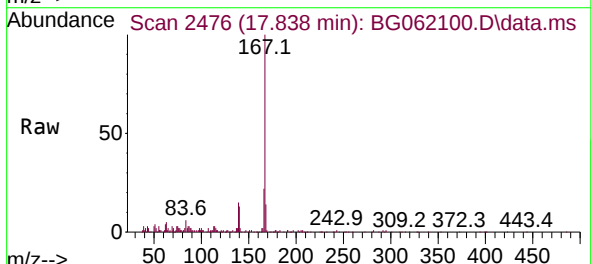
Tgt Ion:178 Resp: 14830
 Ion Ratio Lower Upper
 178 100
 179 13.5 11.9 17.9
 176 16.1 14.7 22.1

Manual Integrations
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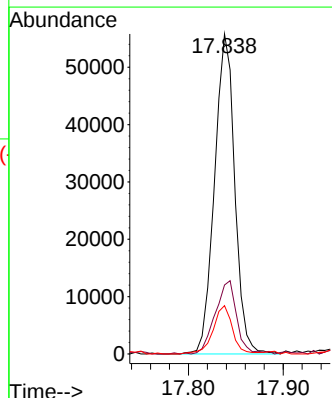
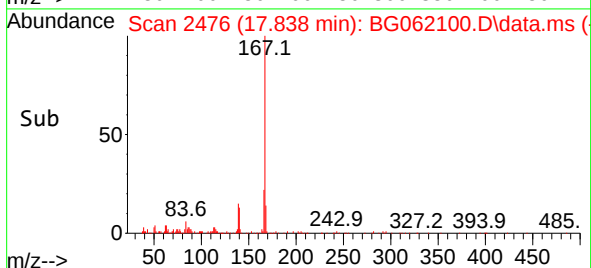
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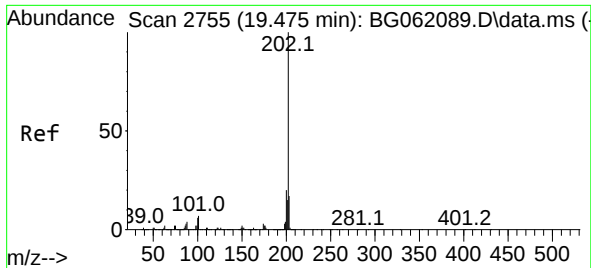


#77
 Carbazole
 Concen: 6.529 ng/u1
 RT: 17.838 min Scan# 2476
 Delta R.T. 0.002 min
 Lab File: BG062100.D
 Acq: 16 Jul 2024 18:59



Tgt Ion:167 Resp: 82791
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.2 27.2
 139 15.1 9.6 14.4#





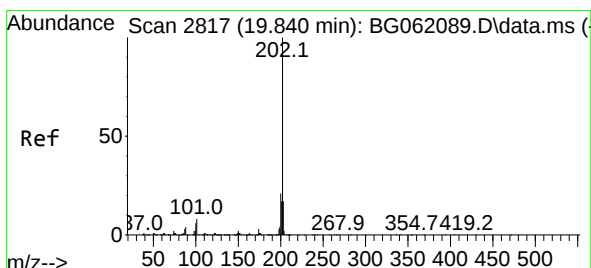
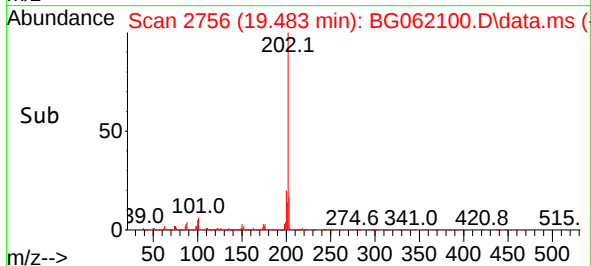
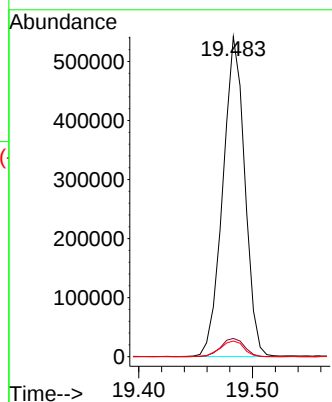
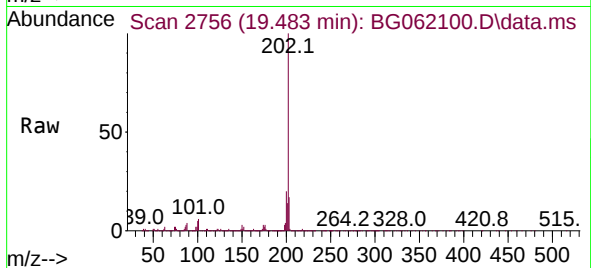
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Fluoranthene
Concen: 46.645 ng/ul
RT: 19.483 min Scan# 2755
Delta R.T. 0.008 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Instrument :
BNA_G
ClientSampleId :
A4BX8DL

Tgt Ion:202 Resp: 727169
Ion Ratio Lower Upper
202 100
101 5.7 7.4 11.2#
100 4.9 6.6 10.0#

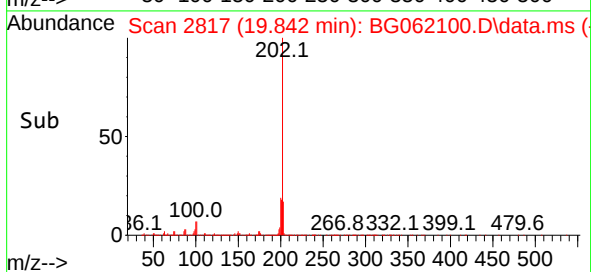
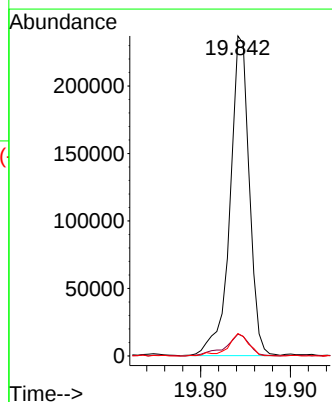
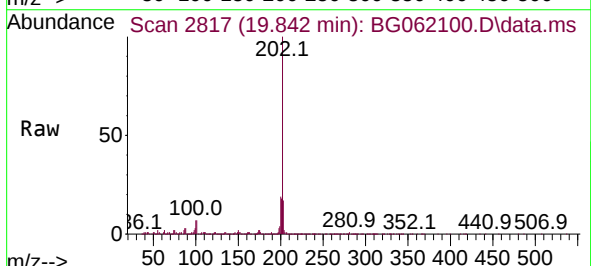
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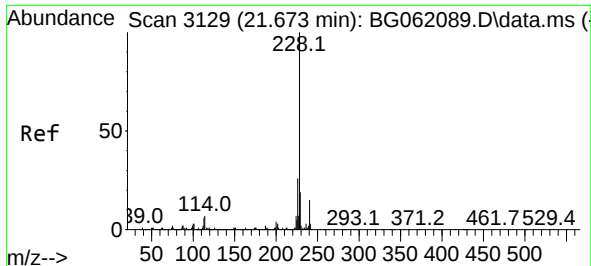
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#82
Pyrene
Concen: 21.874 ng/ul
RT: 19.842 min Scan# 2817
Delta R.T. 0.002 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Tgt Ion:202 Resp: 352241
Ion Ratio Lower Upper
202 100
101 6.9 8.8 13.2#
100 7.0 7.6 11.4#





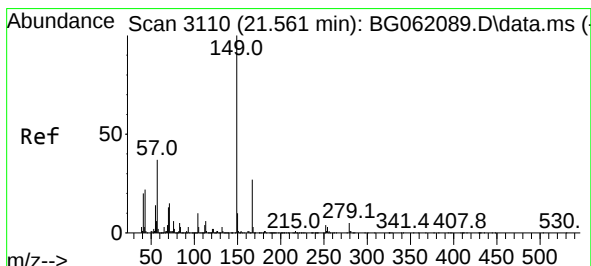
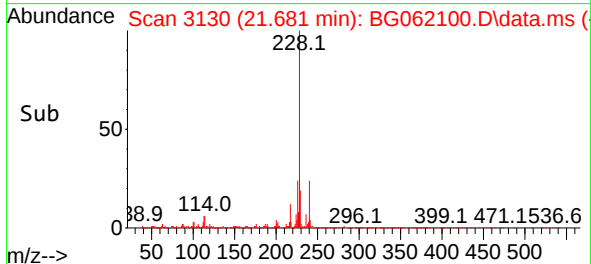
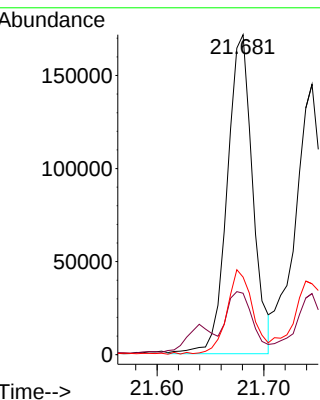
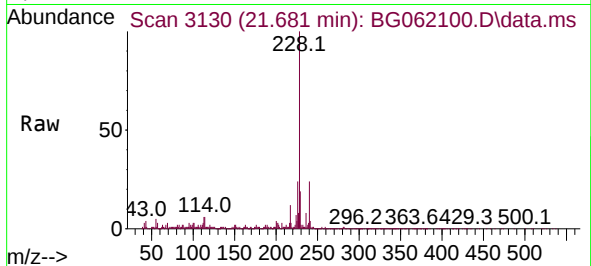
#85
Benzo(a)anthracene
Concen: 17.553 ng/ul m
RT: 21.681 min Scan# 3129
Delta R.T. 0.008 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Instrument :
BNA_G
ClientSampleId :
A4BX8DL

Tgt Ion:228 Resp: 28462
Ion Ratio Lower Upper
228 100
229 19.2 15.7 23.5
226 24.3 21.7 32.5

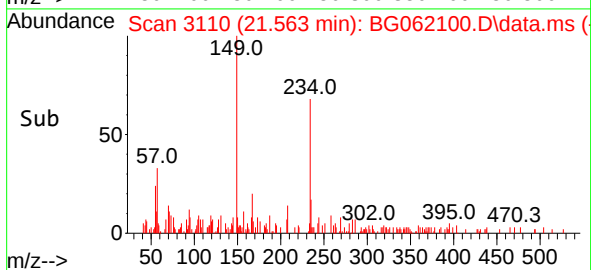
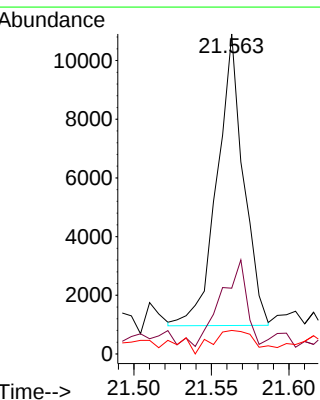
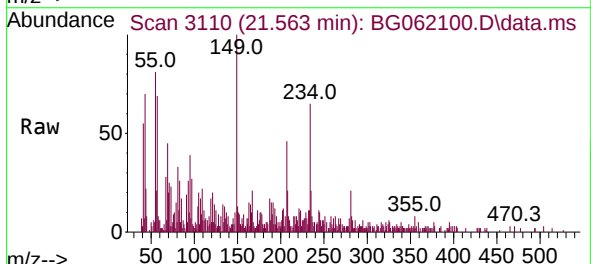
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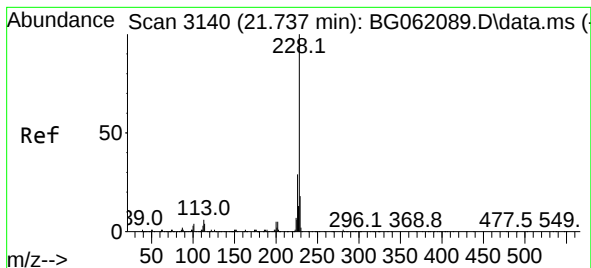
Reviewed By :Jagrut Upadhyay 07/17/2024
Supervised By :mohammad ahmed 07/18/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.209 ng/ul
RT: 21.563 min Scan# 3110
Delta R.T. 0.002 min
Lab File: BG062100.D
Acq: 16 Jul 2024 18:59

Tgt Ion:149 Resp: 11720
Ion Ratio Lower Upper
149 100
167 20.6 21.7 32.5#
279 7.4 2.8 4.2#





#87

Chrysene

Concen: 17.062 ng/ul

RT: 21.745 min Scan# 3141

Delta R.T. 0.008 min

Lab File: BG062100.D

Acq: 16 Jul 2024 18:59

Instrument :

BNA_G

ClientSampleId :

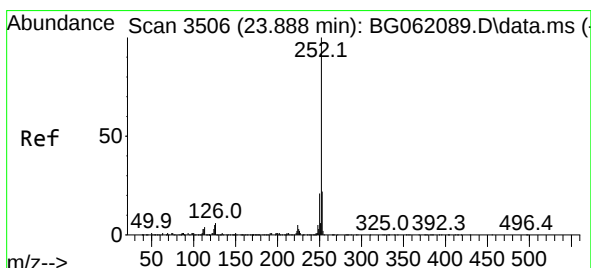
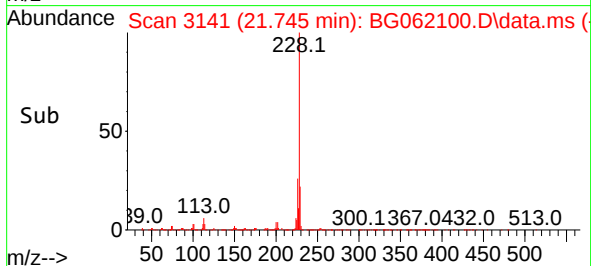
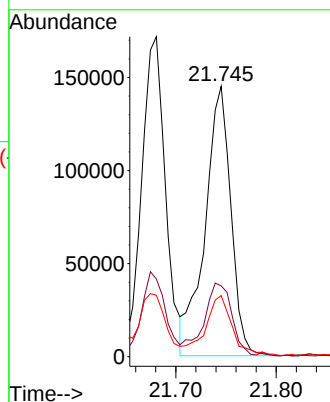
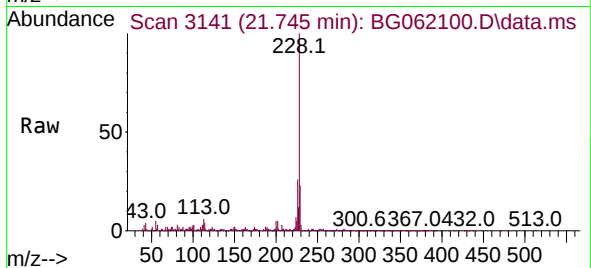
A4BX8DL

Tgt Ion:	228	Resp:	258998
Ion Ratio	Lower	Upper	
228	100		
226	26.2	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: 17.499 ng/ul

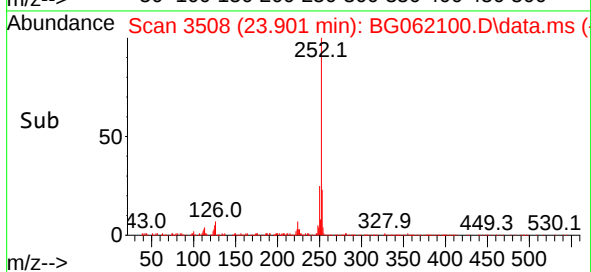
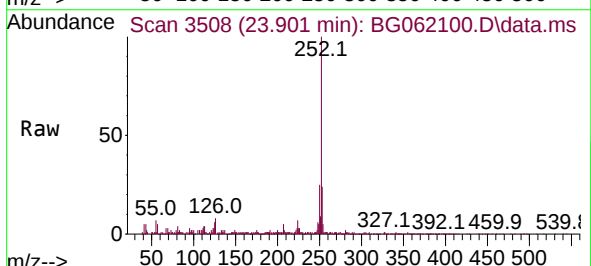
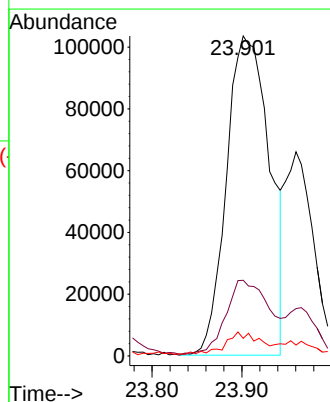
RT: 23.901 min Scan# 3508

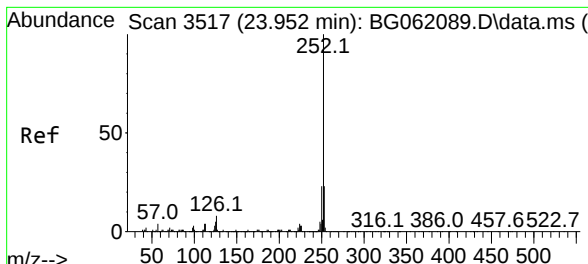
Delta R.T. 0.014 min

Lab File: BG062100.D

Acq: 16 Jul 2024 18:59

Tgt Ion:	252	Resp:	344131
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	5.5	6.1	9.1





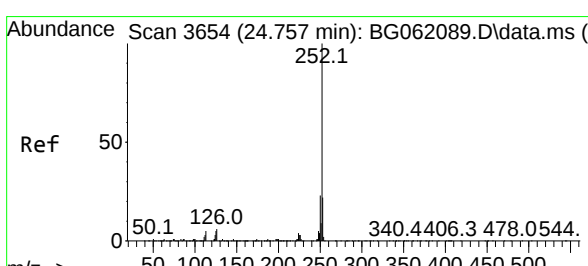
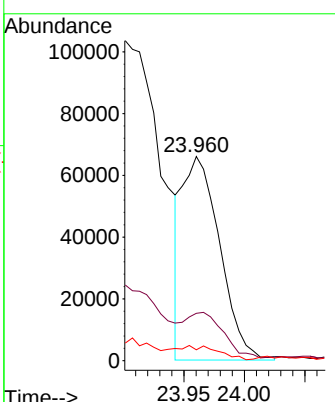
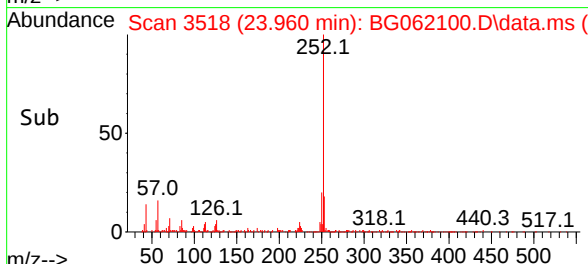
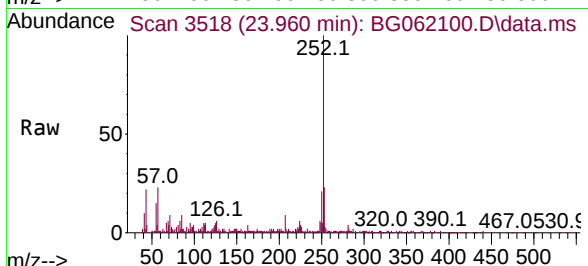
#91
 Benzo(k)fluoranthene
 Concen: 7.249 ng/ul m
 RT: 23.960 min Scan# 3517
 Delta R.T. 0.008 min
 Lab File: BG062100.D
 Acq: 16 Jul 2024 18:59

Instrument :
 BNA_G
 ClientSampleId :
 A4BX8DL

Tgt Ion:	252	Resp:	142160
Ion Ratio	Lower	Upper	
252	100		
253	23.2	19.3	28.9
125	5.3	6.3	9.5

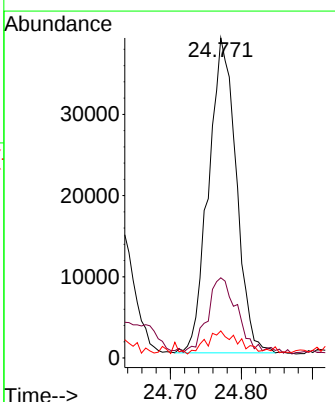
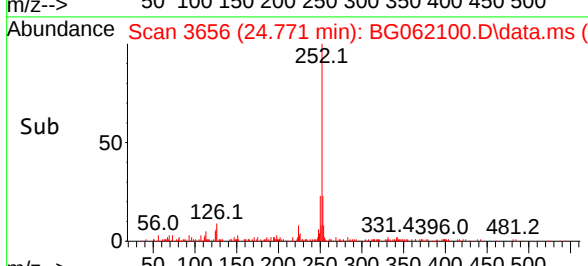
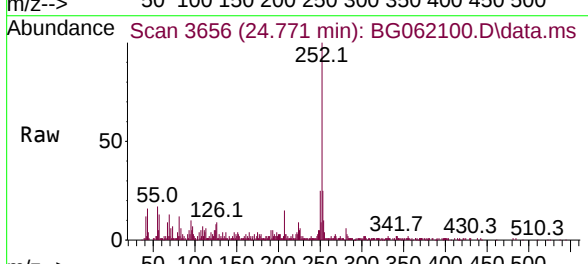
Manual Integrations
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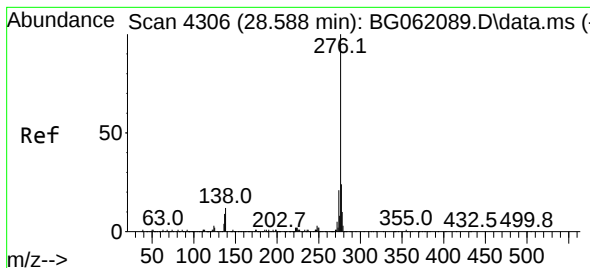
Reviewed By :Jagrut Upadhyay 07/17/2024
 Supervised By :mohammad ahmed 07/18/2024



#93
 Benzo(a)pyrene
 Concen: 5.625 ng/ul
 RT: 24.771 min Scan# 3656
 Delta R.T. 0.014 min
 Lab File: BG062100.D
 Acq: 16 Jul 2024 18:59

Tgt Ion:	252	Resp:	104755
Ion Ratio	Lower	Upper	
252	100		
253	25.1	16.5	24.7
125	8.5	7.4	11.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.677 ng/ul m

RT: 28.625 min Scan# 4312

Delta R.T. 0.037 min

Lab File: BG062100.D

Acq: 16 Jul 2024 18:59

Instrument :

BNA_G

ClientSampleId :

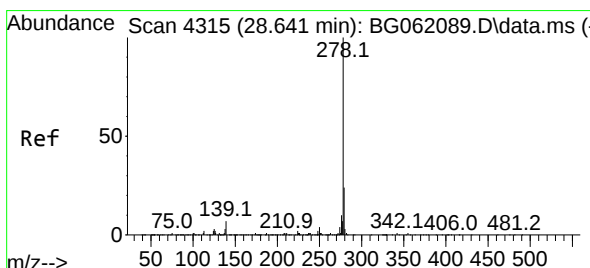
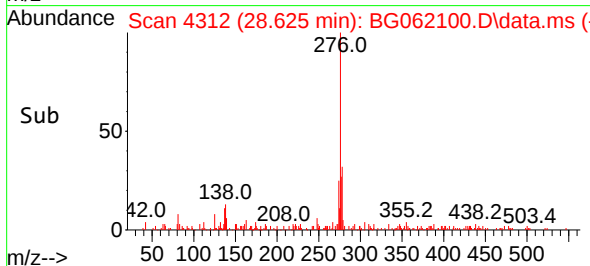
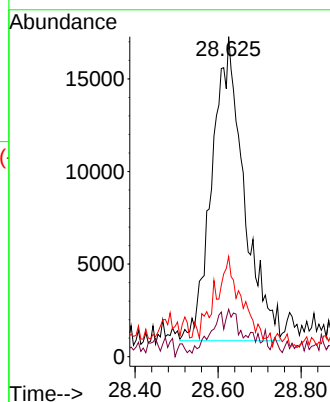
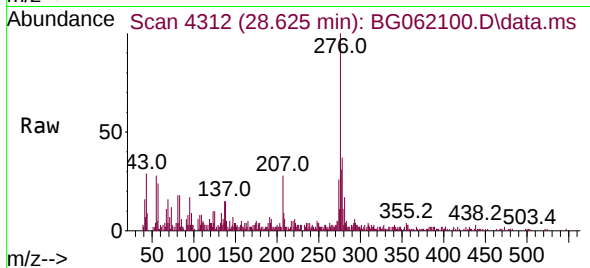
A4BX8DL

Tgt Ion:	276	Resp:	8751
Ion Ratio	Lower	Upper	
276	100		
138	14.8	11.9	17.9
277	31.3	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: 2.325 ng/ul m

RT: 28.655 min Scan# 4317

Delta R.T. 0.014 min

Lab File: BG062100.D

Acq: 16 Jul 2024 18:59

Tgt Ion:	278	Resp:	45692
Ion Ratio	Lower	Upper	
278	100		
139	10.7	7.6	11.4
279	37.2	18.8	28.2

