

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
 Data File : BG062038.D
 Acq On : 12 Jul 2024 11:23
 Operator : MA/JU
 Sample : P3101-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CD6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024

Quant Time: Jul 12 13:28:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 11 12:11:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.041	152	50674	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.855	136	226146	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.675	164	152411	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.418	188	341318	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.678	240	304289	20.000	ng/ul	0.00
88) Perylene-d12	24.892	264	357843	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.446	96	6298	4.670	ng/uL	0.00
4) Pyridine-d5	3.864	84	13460	3.246	ng/ul	0.00
7) Phenol-d5	7.201	99	161665	29.152	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.365	67	92561m	26.357	ng/ul	0.00
11) 2-Chlorophenol-d4	7.571	132	117626	30.922	ng/ul	0.00
15) 4-Methylphenol-d8	8.746	113	120127	27.512	ng/ul	0.00
21) Nitrobenzene-d5	9.210	128	57653	33.521	ng/ul	0.00
24) 2-Nitrophenol-d4	9.927	143	67656	34.446	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.474	165	125641	33.164	ng/ul	0.00
31) 4-Chloroaniline-d4	10.991	131	37246	6.772	ng/ul	0.00
46) Dimethylphthalate-d6	14.075	166	388435	31.000	ng/ul	0.00
49) Acenaphthylene-d8	14.369	160	422462	32.244	ng/ul	0.00
54) 4-Nitrophenol-d4	14.880	143	60691	30.330	ng/ul	0.00
60) Fluorene-d10	15.662	176	336649	31.915	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.779	200	33418	18.643	ng/ul	0.00
73) Anthracene-d10	17.518	188	526772	33.056	ng/ul	0.00
81) Pyrene-d10	19.798	212	535392	29.914	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.680	264	427151	24.069	ng/ul	0.02
Target Compounds						
						Qvalue
72) Phenanthrene	17.459	178	267202	14.847	ng/ul	95
74) Anthracene	17.548	178	52363	2.815	ng/ul	99
77) Carbazole	17.818	167	25363	1.620	ng/ul#	93
78) Di-n-butylphthalate	18.364	149	21716	1.081	ng/ul#	90
80) Fluoranthene	19.469	202	560336	26.454	ng/ul	96
82) Pyrene	19.827	202	407167	18.609	ng/ul#	94
85) Benzo(a)anthracene	21.660	228	259193	11.765	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.555	149	94779	7.193	ng/ul#	98
87) Chrysene	21.725	228	288155	13.971	ng/ul	94
90) Benzo(b)fluoranthene	23.870	252	449208	19.925	ng/ul	98
91) Benzo(k)fluoranthene	23.928	252	124521m	5.539	ng/ul	
93) Benzo(a)pyrene	24.739	252	162950m	7.633	ng/ul	
94) Indeno(1,2,3-cd)pyrene	28.558	276	143965m	5.277	ng/ul	
95) Dibenzo(a,h)anthracene	28.623	278	56447m	2.505	ng/ul	

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

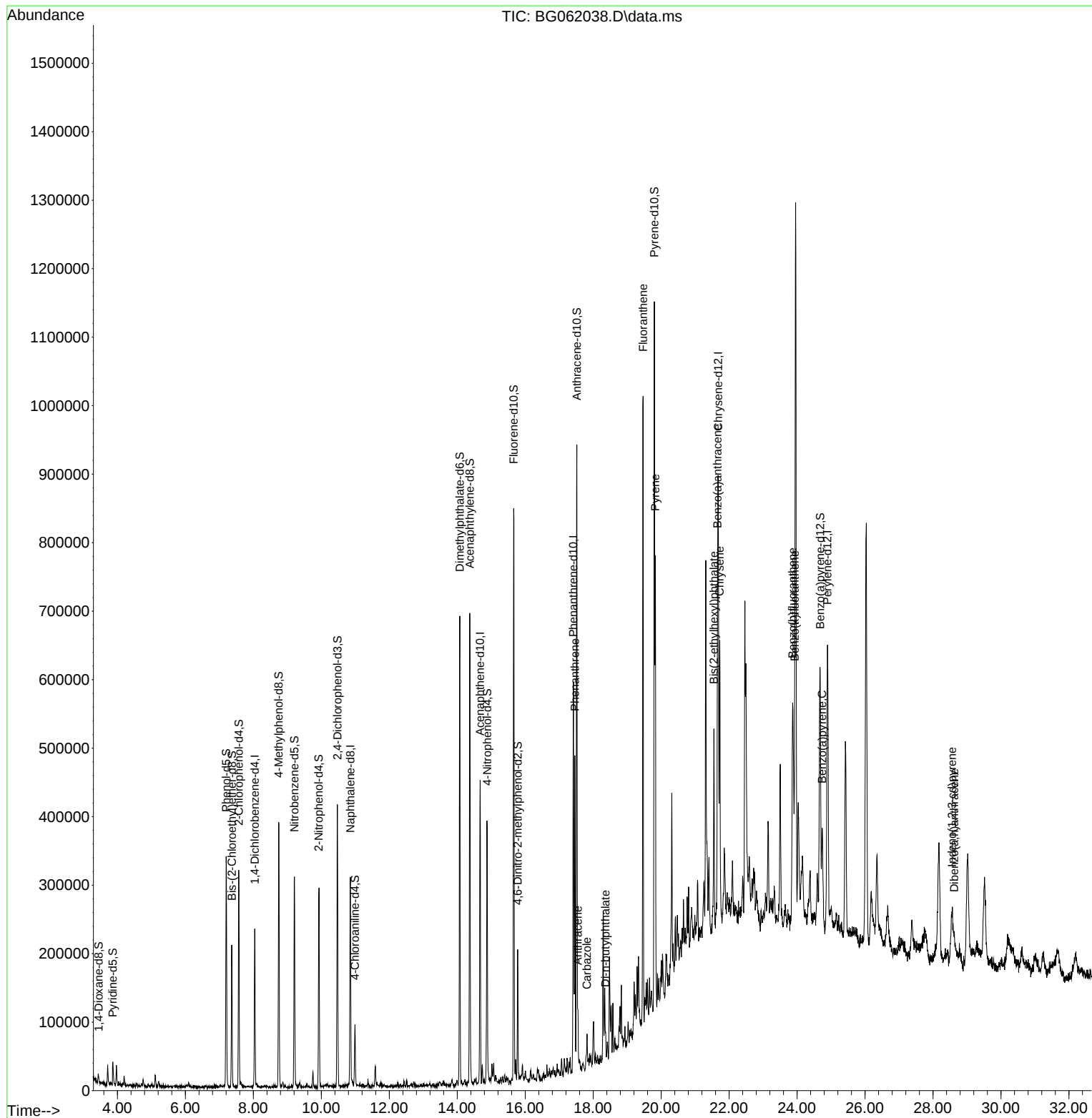
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 Data File : BG062038.D
 Acq On : 12 Jul 2024 11:23
 Operator : MA/JU
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 Misc :
 ALS Vial : 35 Sample Multiplier: 1

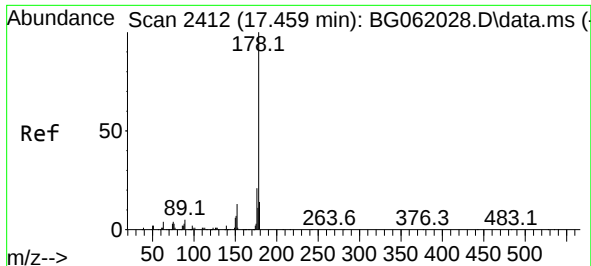
Instrument :
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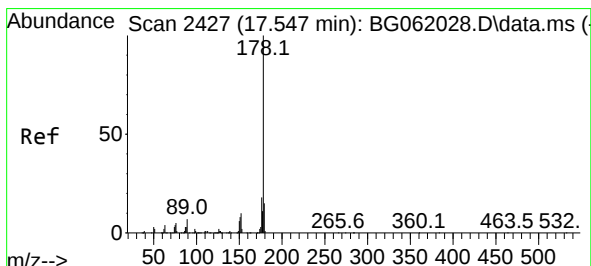
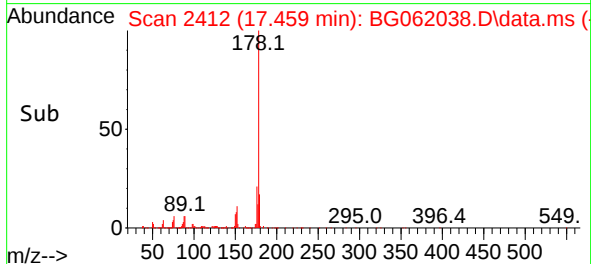
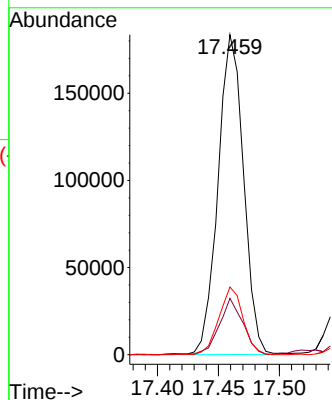
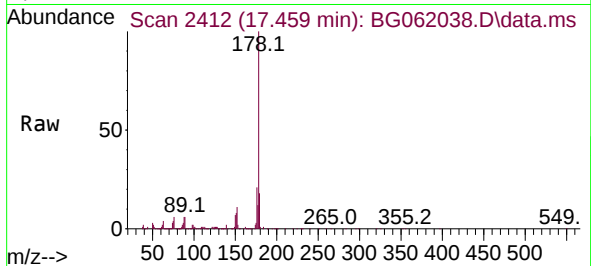
#72
Phenanthrene
Concen: 14.847 ng/ul
RT: 17.459 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BG062038.D
Acq: 12 Jul 2024 11:23

Instrument :
BNA_G
ClientSampleId :
A4CD6

Tgt Ion:178 Resp: 26720
Ion Ratio Lower Upper
178 100
179 17.6 11.9 17.9
176 21.2 15.5 23.3

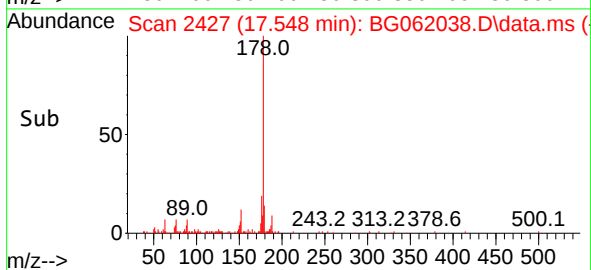
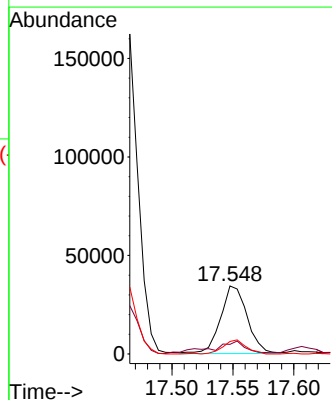
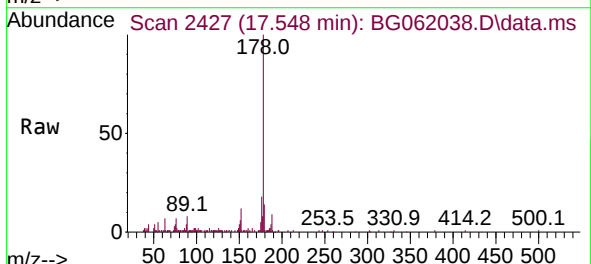
Manual Integrations
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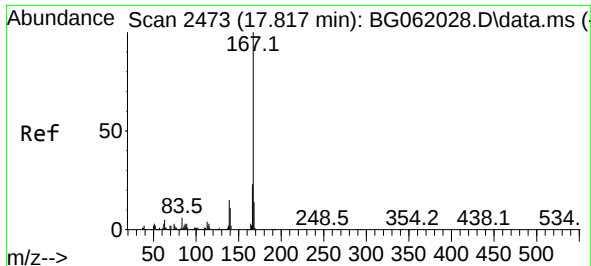
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



#74
Anthracene
Concen: 2.815 ng/ul
RT: 17.548 min Scan# 2427
Delta R.T. -0.005 min
Lab File: BG062038.D
Acq: 12 Jul 2024 11:23

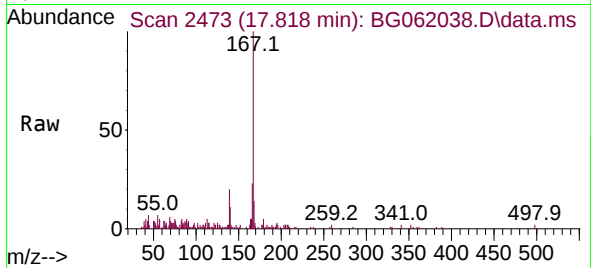
Tgt Ion:178 Resp: 52363
Ion Ratio Lower Upper
178 100
179 14.2 11.9 17.9
176 18.4 14.7 22.1





#77
 Carbazole
 Concen: 1.620 ng/ul
 RT: 17.818 min Scan# 2473
 Delta R.T. 0.000 min
 Lab File: BG062038.D
 Acq: 12 Jul 2024 11:23

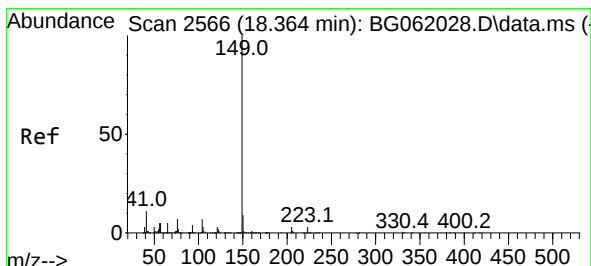
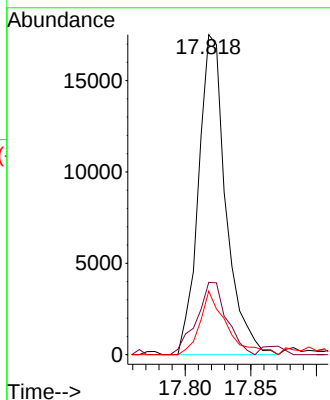
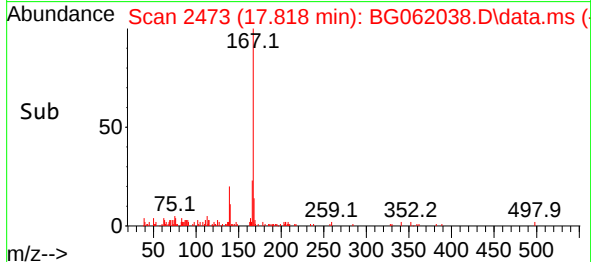
Instrument :
 BNA_G
 ClientSampleId :
 A4CD6



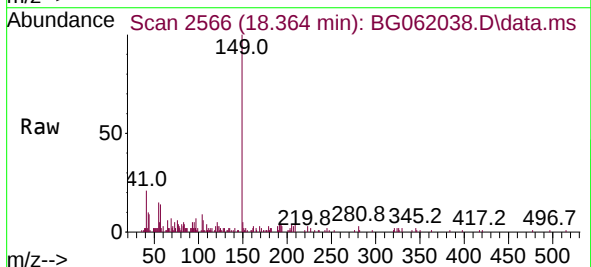
Tgt Ion:167 Resp: 2536
 Ion Ratio Lower Upper
 167 100
 166 22.6 18.2 27.2
 139 19.8 9.6 14.4

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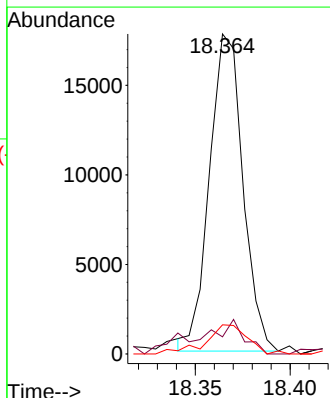
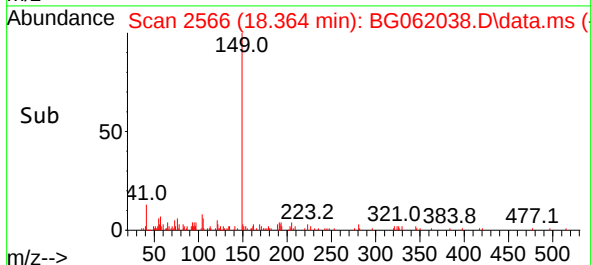
Reviewed By :Jagrut Upadhyay 07/12/2024
 Supervised By :mohammad ahmed 07/15/2024

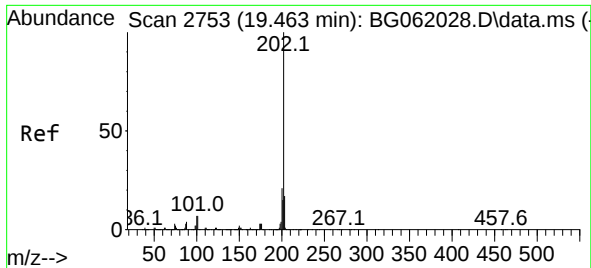


#78
 Di-n-butylphthalate
 Concen: 1.081 ng/ul
 RT: 18.364 min Scan# 2566
 Delta R.T. -0.005 min
 Lab File: BG062038.D
 Acq: 12 Jul 2024 11:23



Tgt Ion:149 Resp: 21716
 Ion Ratio Lower Upper
 149 100
 150 5.4 7.5 11.3#
 104 9.1 5.0 7.4#





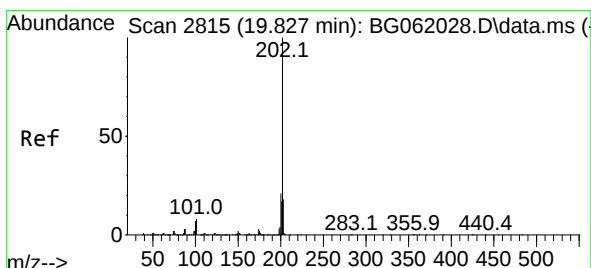
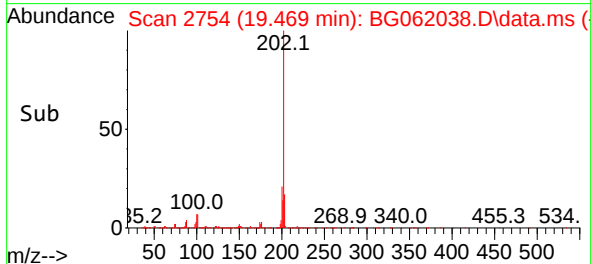
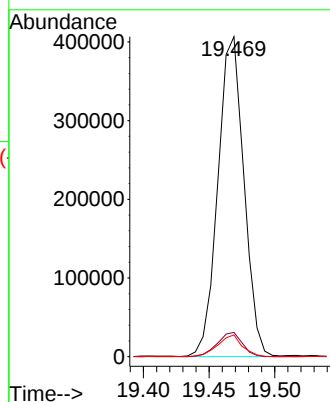
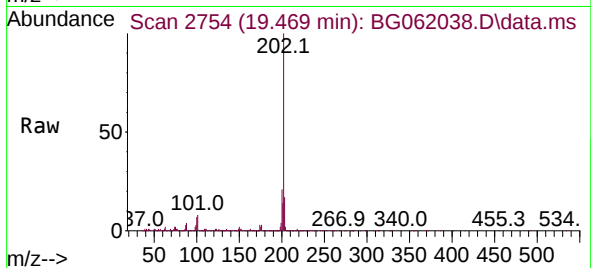
#80
Fluoranthene
Concen: 26.454 ng/uI
RT: 19.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG062038.D
Acq: 12 Jul 2024 11:23

Instrument :
BNA_G
ClientSampleId :
A4CD6

Tgt Ion:202 Resp: 560330
Ion Ratio Lower Upper
202 100
101 7.6 7.4 11.2
100 6.8 6.6 10.0

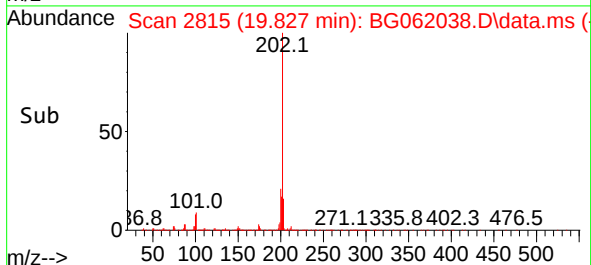
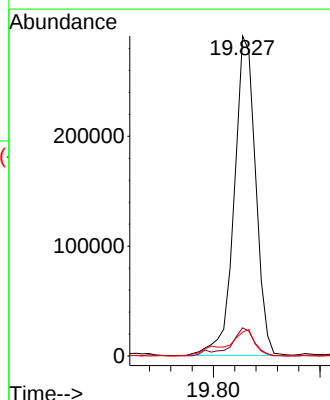
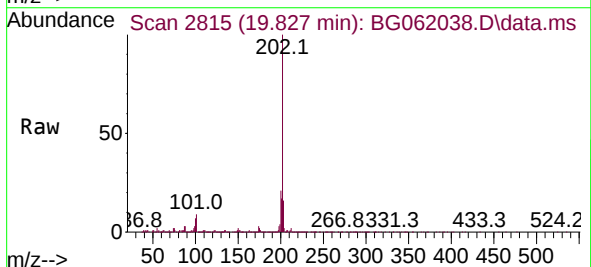
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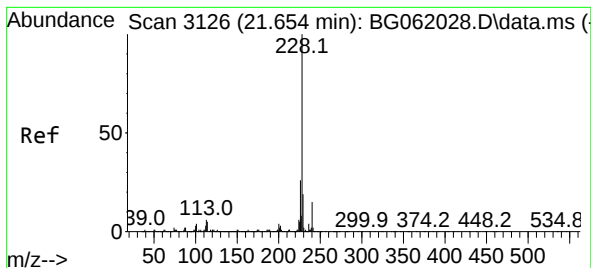
Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



#82
Pyrene
Concen: 18.609 ng/uI
RT: 19.827 min Scan# 2815
Delta R.T. 0.001 min
Lab File: BG062038.D
Acq: 12 Jul 2024 11:23

Tgt Ion:202 Resp: 407167
Ion Ratio Lower Upper
202 100
101 8.8 8.8 13.2#
100 7.5 7.6 11.4#





#85

Benzo(a)anthracene

Concen: 11.765 ng/ul

RT: 21.660 min Scan# 31

Delta R.T. 0.006 min

Lab File: BG062038.D

Acq: 12 Jul 2024 11:23

Instrument :

BNA_G

ClientSampleId :

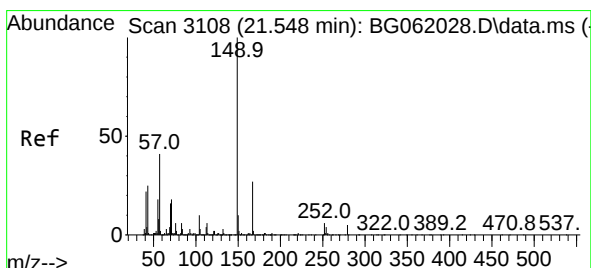
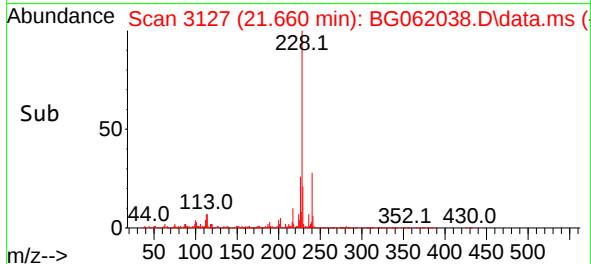
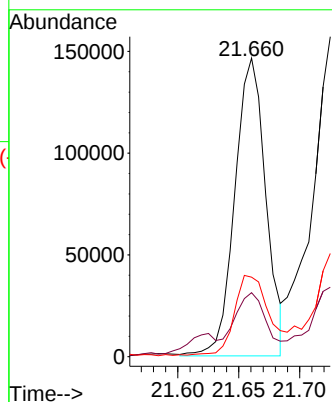
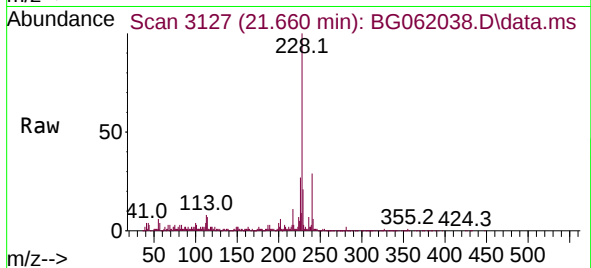
A4CD6

Tgt Ion:	228	Resp:	25919
Ion Ratio	Lower	Upper	
228	100		
229	21.4	15.7	23.5
226	26.6	21.7	32.5

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 07/15/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 7.193 ng/ul

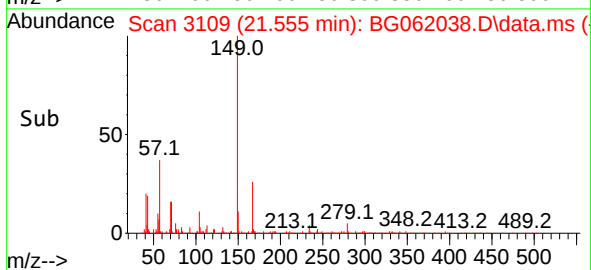
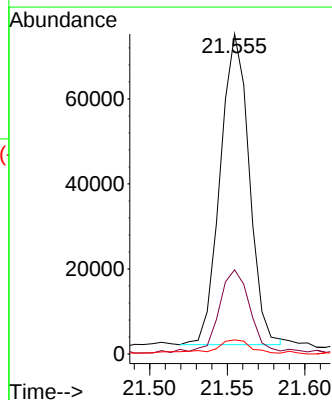
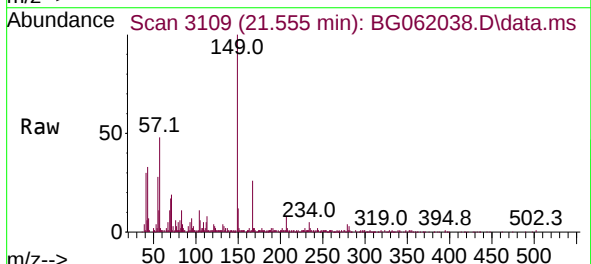
RT: 21.555 min Scan# 3109

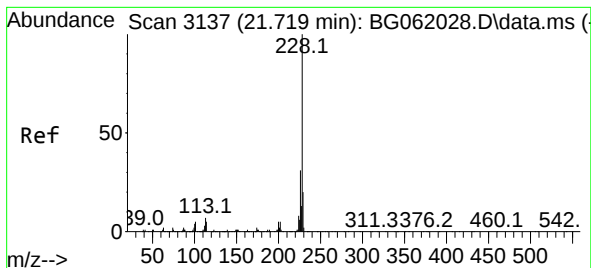
Delta R.T. 0.000 min

Lab File: BG062038.D

Acq: 12 Jul 2024 11:23

Tgt Ion:	149	Resp:	94779
Ion Ratio	Lower	Upper	
149	100		
167	26.3	21.7	32.5
279	4.4	2.8	4.2#





#87

Chrysene

Concen: 13.971 ng/ul

RT: 21.725 min Scan# 31

Delta R.T. 0.000 min

Lab File: BG062038.D

Acq: 12 Jul 2024 11:23

Instrument :

BNA_G

ClientSampleId :

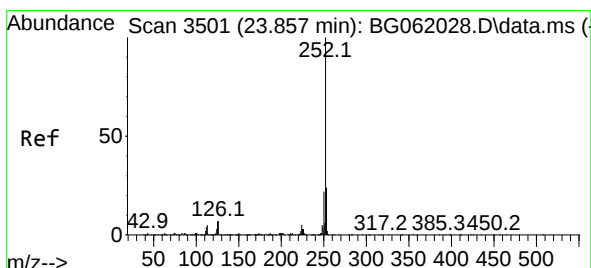
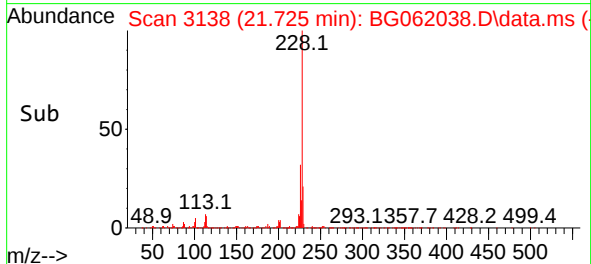
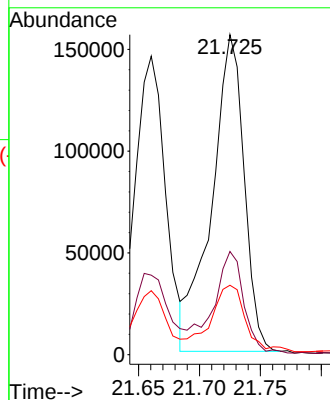
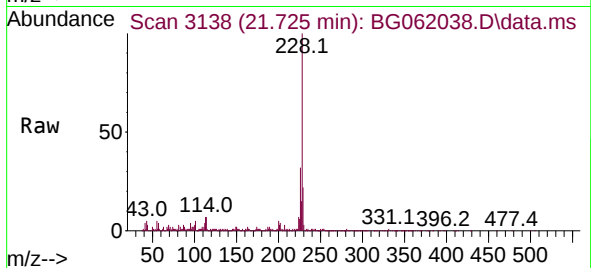
A4CD6

Tgt Ion:	228	Resp:	28815
Ion Ratio	Lower	Upper	
228	100		
226	32.3	23.3	34.9
229	21.7	15.5	23.3

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#90

Benzo(b)fluoranthene

Concen: 19.925 ng/ul

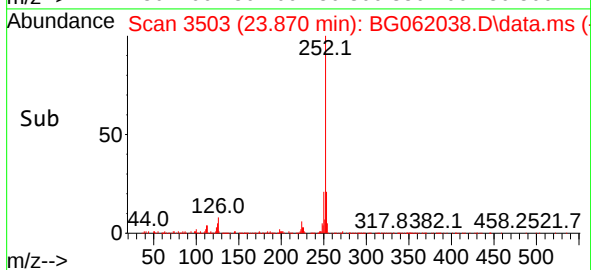
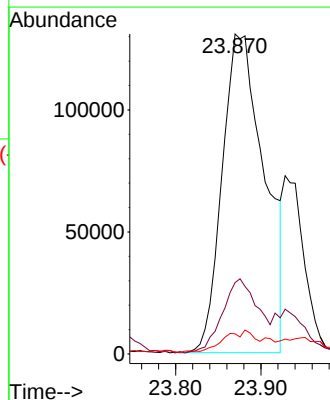
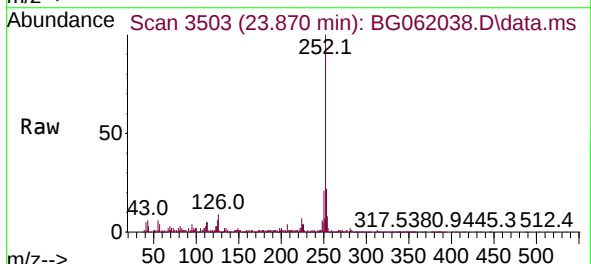
RT: 23.870 min Scan# 3503

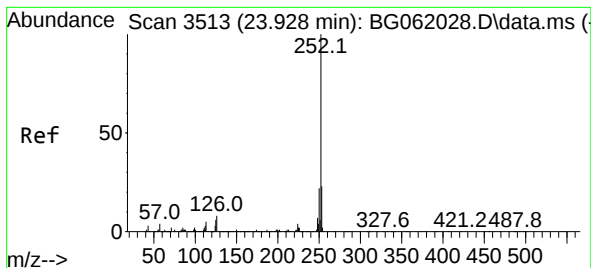
Delta R.T. 0.012 min

Lab File: BG062038.D

Acq: 12 Jul 2024 11:23

Tgt Ion:	252	Resp:	449208
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	6.3	6.1	9.1





#91

Benzo(k)fluoranthene

Concen: 5.539 ng/ul m

RT: 23.928 min Scan# 3513

Delta R.T. 0.006 min

Lab File: BG062038.D

Acq: 12 Jul 2024 11:23

Instrument :

BNA_G

ClientSampleId :

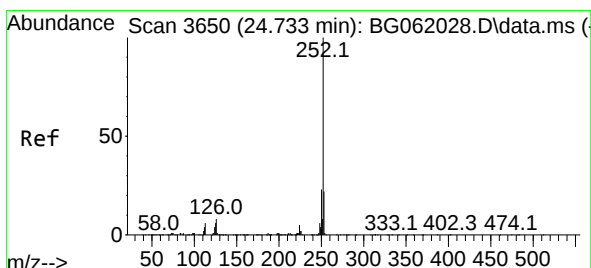
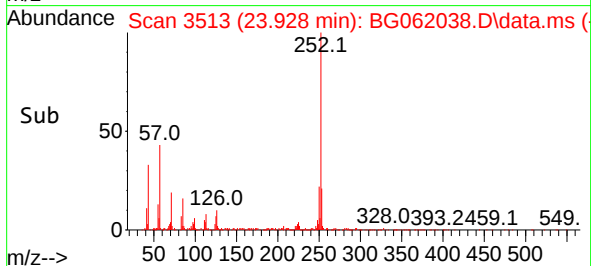
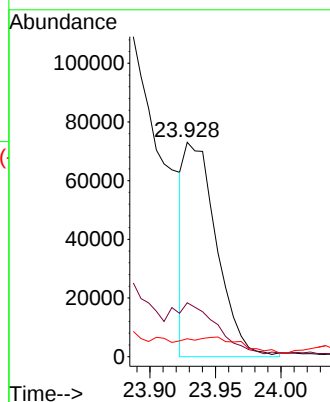
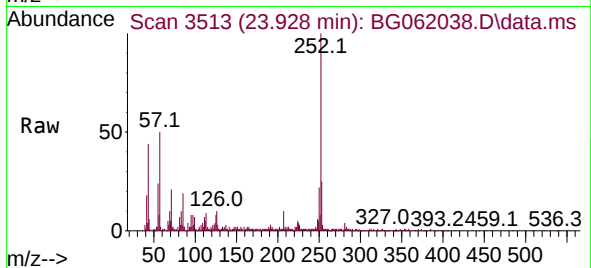
A4CD6

Tgt Ion:	252	Resp:	12452
Ion Ratio	Lower	Upper	
252	100		
253	25.2	19.3	28.9
125	8.3	6.3	9.5

Manual Integrations

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Supervised By :mohammad ahmed 07/15/2024



#93

Benzo(a)pyrene

Concen: 7.633 ng/ul m

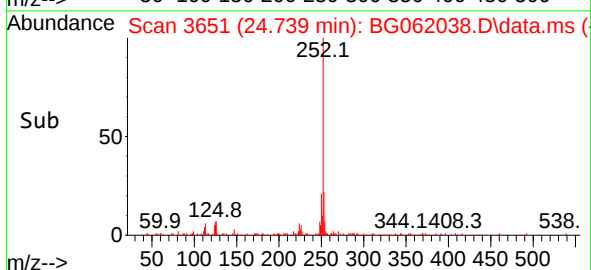
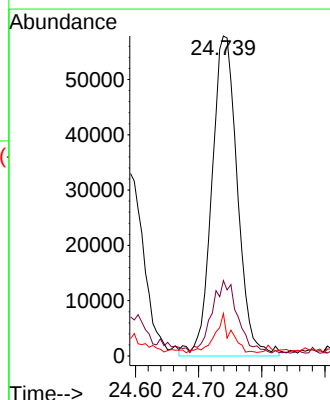
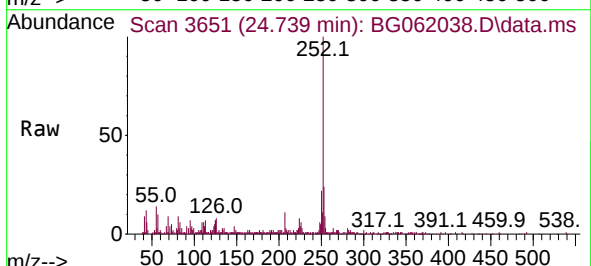
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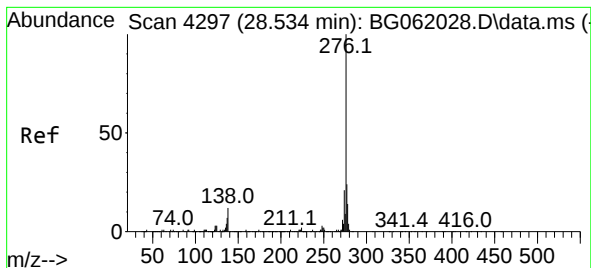
Delta R.T. 0.012 min

Lab File: BG062038.D

Acq: 12 Jul 2024 11:23

Tgt Ion:	252	Resp:	162950
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.5	24.7
125	6.7	7.4	11.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.277 ng/ul m

RT: 28.558 min Scan# 4312

Delta R.T. 0.024 min

Lab File: BG062038.D

Acq: 12 Jul 2024 11:23

Instrument :

BNA_G

ClientSampleId :

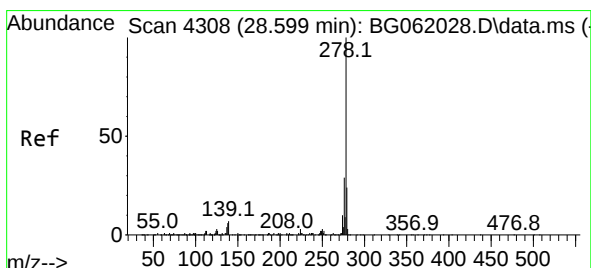
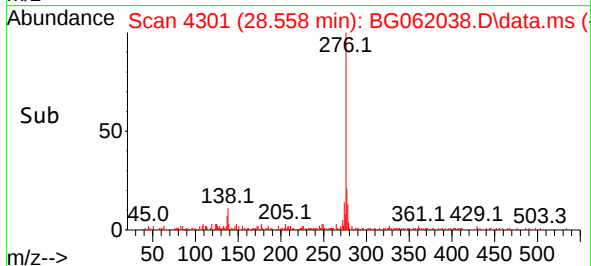
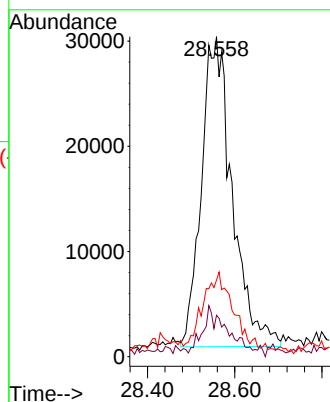
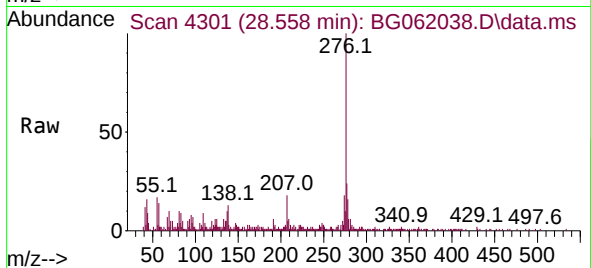
A4CD6

Tgt Ion:	276	Resp:	14396
Ion Ratio	Lower	Upper	
276	100		
138	12.9	11.9	17.9
277	23.9	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024



#95

Dibenzo(a,h)anthracene

Concen: 2.505 ng/ul m

RT: 28.623 min Scan# 4312

Delta R.T. 0.030 min

Lab File: BG062038.D

Acq: 12 Jul 2024 11:23

Tgt Ion:	278	Resp:	56447
Ion Ratio	Lower	Upper	
278	100		
139	11.8	7.6	11.4#
279	32.1	18.8	28.2#

