

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
 Data File : BG061923.D
 Acq On : 6 Jul 2024 10:01
 Operator : MA/JU
 Sample : P2982-06
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CF0

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

07/09/2024
 Supervised By :mohammad
 ahmed

Quant Time: Jul 08 03:58:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 03 02:38:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.097	152	39948	20.000	ng/u1	0.00
20) Naphthalene-d8	10.906	136	210532	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.719	164	158549	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.457	188	363843	20.000	ng/u1	0.00
79) Chrysene-d12	21.723	240	309180	20.000	ng/u1	# 0.00
88) Perylene-d12	24.966	264	375972	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.491	96	2150	2.022	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.246	99	85148	19.477	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.416	67	44787	16.177	ng/u1	0.00
11) 2-Chlorophenol-d4	7.622	132	56533	18.852	ng/u1	0.00
15) 4-Methylphenol-d8	8.791	113	62812	18.248	ng/u1	0.00
21) Nitrobenzene-d5	9.261	128	32514	20.306	ng/u1	0.00
24) 2-Nitrophenol-d4	9.983	143	35828	19.594	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.524	165	70157	19.892	ng/u1	0.00
31) 4-Chloroaniline-d4	11.035	131	10167m	1.986	ng/u1	0.00
46) Dimethylphthalate-d6	14.114	166	240899	18.481	ng/u1	0.00
49) Acenaphthylene-d8	14.414	160	272028	19.958	ng/u1	0.00
54) 4-Nitrophenol-d4	14.913	143	38320	18.409	ng/u1	0.00
60) Fluorene-d10	15.706	176	215881	19.673	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.812	200	35396	18.524	ng/u1	-0.01
73) Anthracene-d10	17.557	188	325524	19.163	ng/u1	0.00
81) Pyrene-d10	19.837	212	329295	18.107	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.743	264	253471	13.594	ng/u1	0.00
Target Compounds						
					Qvalue	
72) Phenanthrene	17.498	178	180375	9.402	ng/u1	99
74) Anthracene	17.592	178	30313	1.529	ng/u1	96
77) Carbazole	17.857	167	16939	1.015	ng/u1#	93
78) Di-n-butylphthalate	18.409	149	49425	2.307	ng/u1#	97
80) Fluoranthene	19.502	202	377712	17.550	ng/u1#	95
82) Pyrene	19.866	202	278004	12.505	ng/u1	97
85) Benzo(a)anthracene	21.699	228	167107	7.465	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.599	149	40273	3.008	ng/u1#	96
87) Chrysene	21.764	228	203893m	9.729	ng/u1	
90) Benzo(b)fluoranthene	23.932	252	269558	11.380	ng/u1#	97
91) Benzo(k)fluoranthene	23.991	252	122311m	5.178	ng/u1	
93) Benzo(a)pyrene	24.807	252	98909	4.410	ng/u1#	90
94) Indeno(1,2,3-cd)pyrene	28.650	276	110597m	3.858	ng/u1	
95) Dibenzo(a,h)anthracene	28.703	278	37503m	1.584	ng/u1	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070524\
Data File : BG061923.D
Acq On : 6 Jul 2024 10:01
Operator : MA/JU
Sample : P2982-06
Misc :
ALS Vial : 33 Sample Multiplier: 1

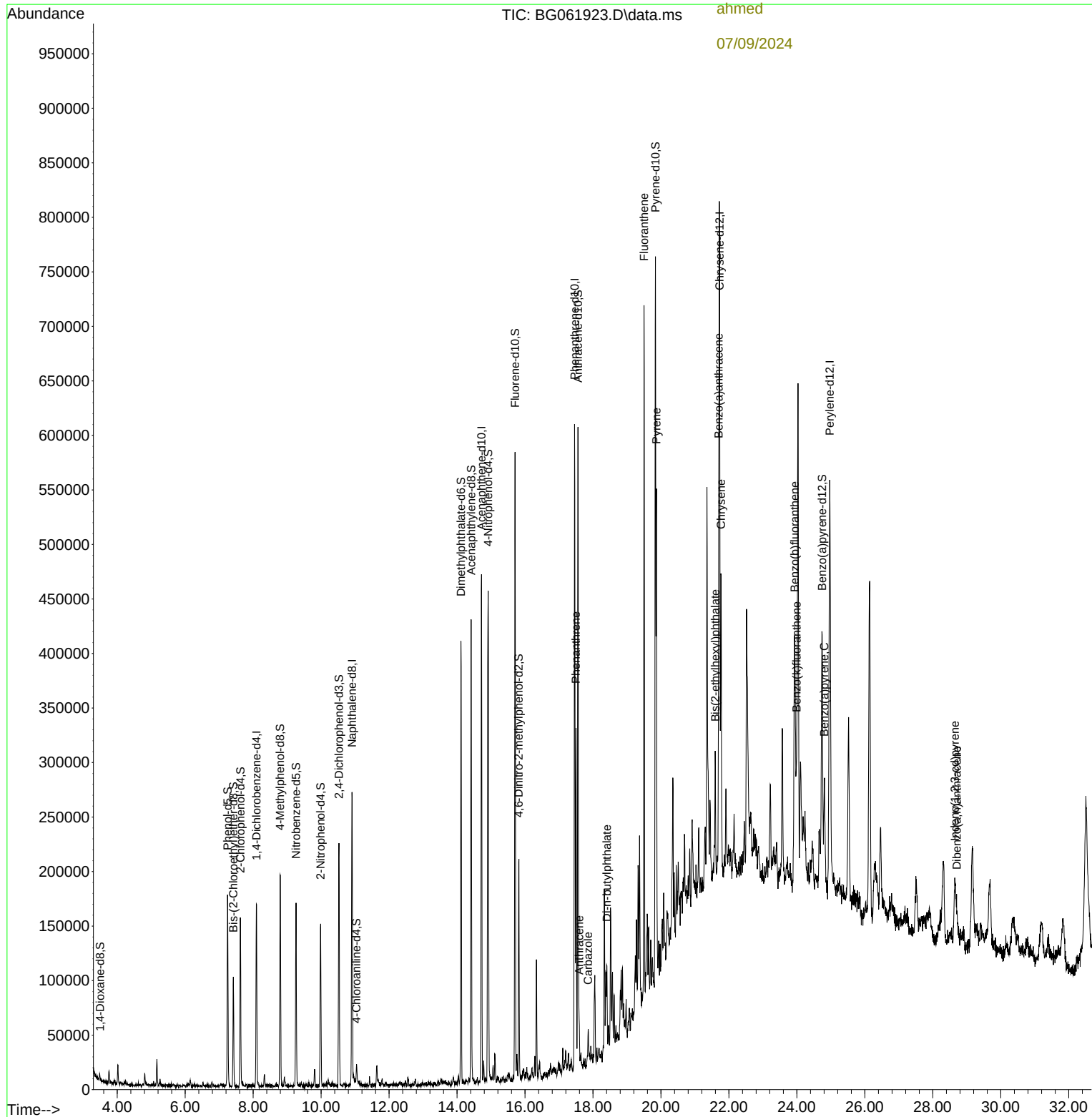
Instrument :
BNA_G
ClientSampleId :
A4CF0

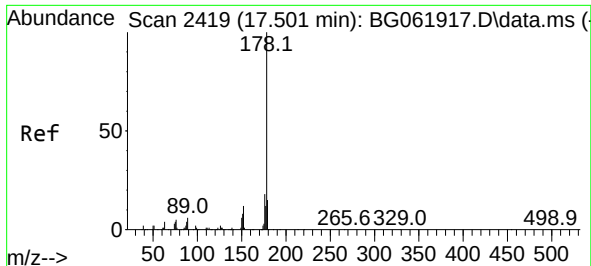
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

07/09/2024
Supervised By :mohammad
ahmed

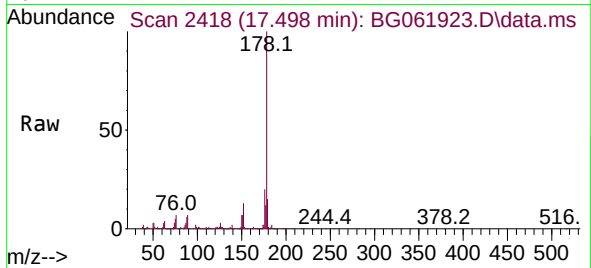
07/09/2024





#72
Phenanthrene
Concen: 9.402 ng/uI
RT: 17.498 min Scan# 2419
Delta R.T. -0.008 min
Lab File: BG061923.D
Acq: 6 Jul 2024 10:01

Instrument :
BNA_G
ClientSampleId :
A4CF0



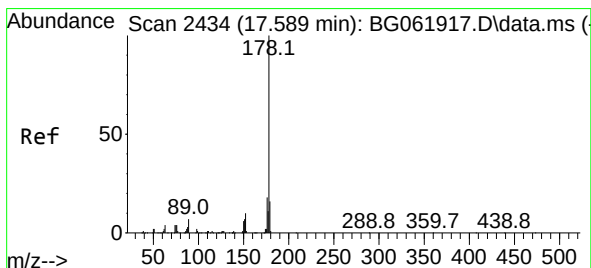
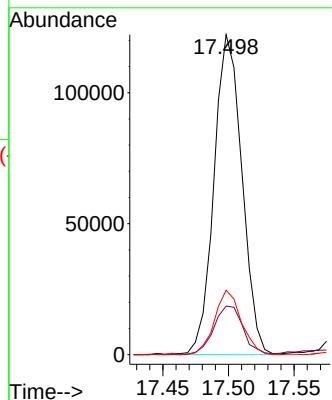
Tgt Ion:178 Resp: 180375
Ion Ratio Lower Upper
178 100
179 15.2 11.9 17.9
176 20.2 15.5 23.3

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

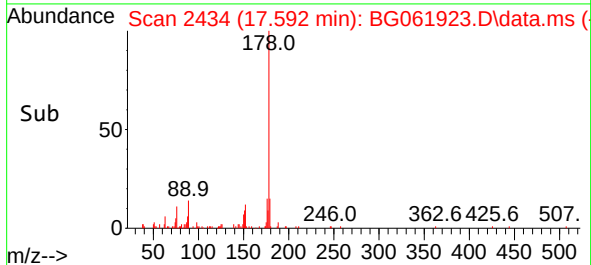
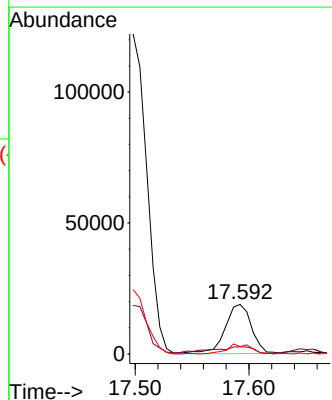
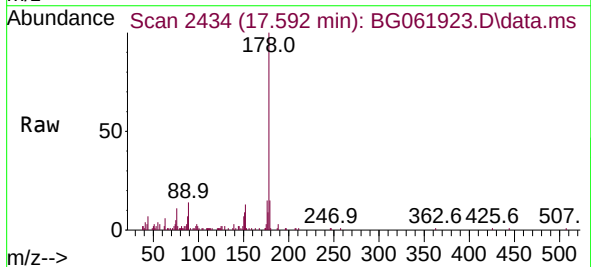
07/09/2024
Supervised By :mohammad
ahmed

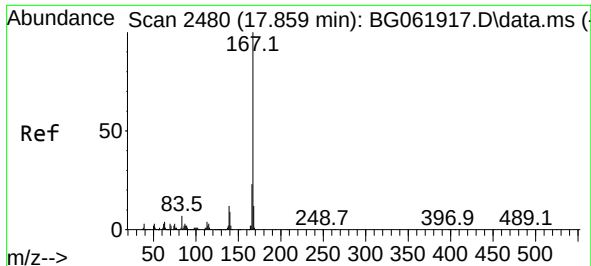
07/09/2024



#74
Anthracene
Concen: 1.529 ng/uI
RT: 17.592 min Scan# 2434
Delta R.T. -0.003 min
Lab File: BG061923.D
Acq: 6 Jul 2024 10:01

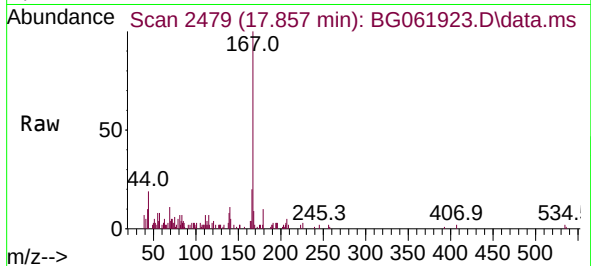
Tgt Ion:178 Resp: 30313
Ion Ratio Lower Upper
178 100
179 14.7 11.9 17.9
176 15.0 14.7 22.1





#77
 Carbazole
 Concen: 1.015 ng/ul
 RT: 17.857 min Scan# 2480
 Delta R.T. -0.008 min
 Lab File: BG061923.D
 Acq: 6 Jul 2024 10:01

Instrument :
 BNA_G
 ClientSampleId :
 A4CF0



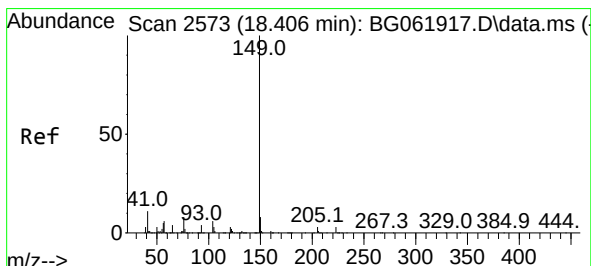
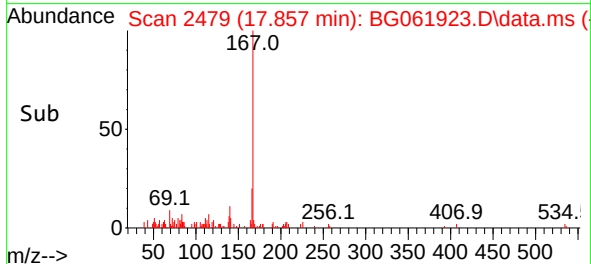
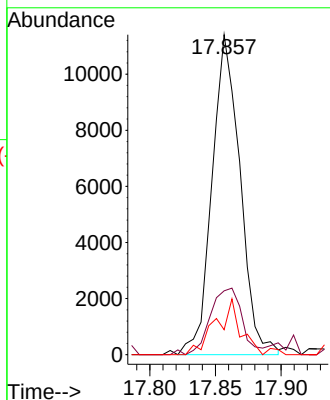
Tgt Ion:167 Resp: 16939
 Ion Ratio Lower Upper
 167 100
 166 20.0 18.2 27.2
 139 7.8 9.6 14.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

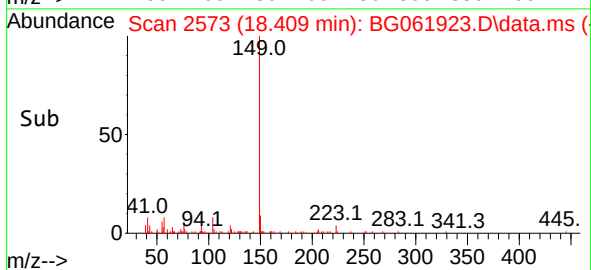
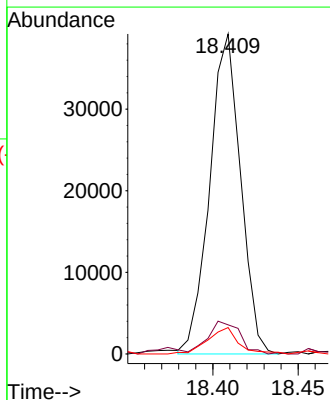
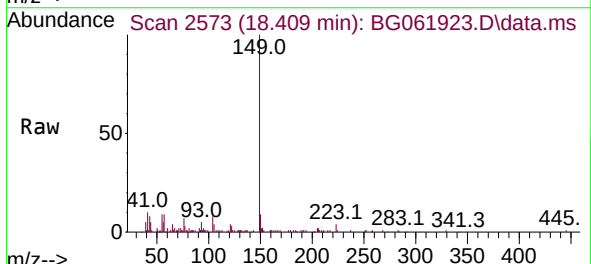
07/09/2024
 Supervised By :mohammad
 ahmed

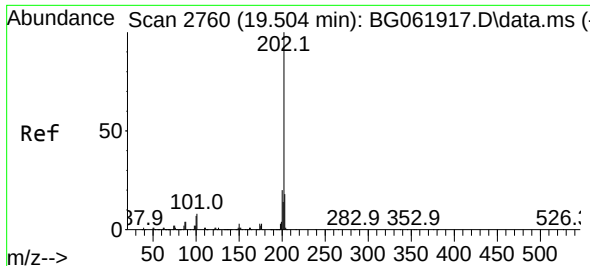
07/09/2024



#78
 Di-n-butylphthalate
 Concen: 2.307 ng/ul
 RT: 18.409 min Scan# 2573
 Delta R.T. -0.003 min
 Lab File: BG061923.D
 Acq: 6 Jul 2024 10:01

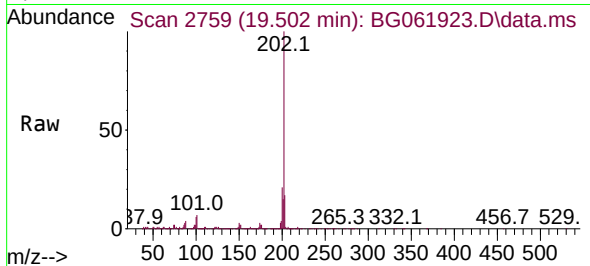
Tgt Ion:149 Resp: 49425
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 8.3 5.0 7.4





#80
Fluoranthene
Concen: 17.550 ng/u1
RT: 19.502 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG061923.D
Acq: 6 Jul 2024 10:01

Instrument :
BNA_G
ClientSampleId :
A4CF0



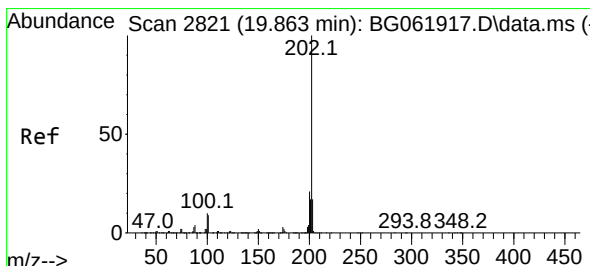
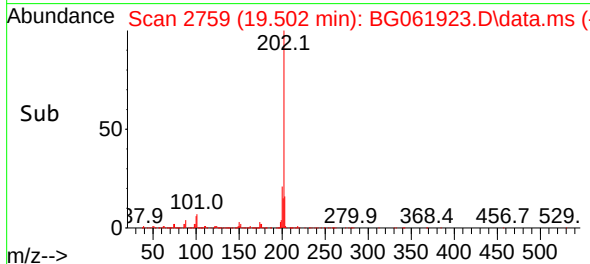
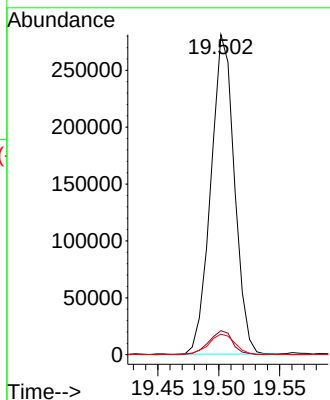
Tgt Ion:202 Resp: 377712
Ion Ratio Lower Upper
202 100
101 7.5 7.4 11.2
100 6.4 6.6 10.0

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

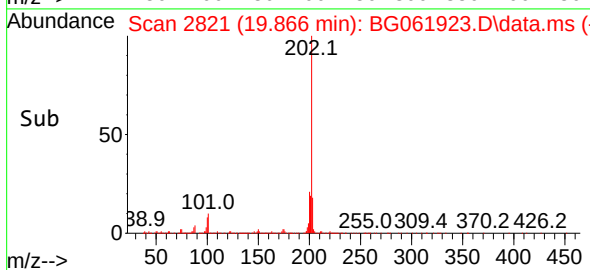
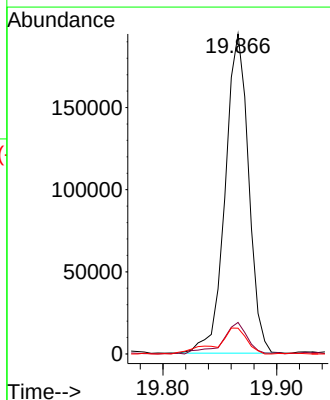
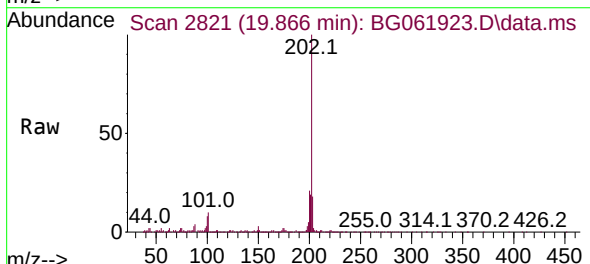
07/09/2024
Supervised By :mohammad
ahmed

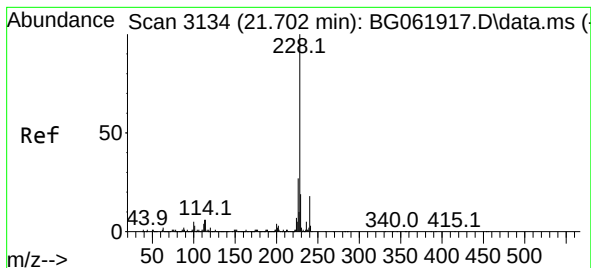
07/09/2024



#82
Pyrene
Concen: 12.505 ng/u1
RT: 19.866 min Scan# 2821
Delta R.T. -0.003 min
Lab File: BG061923.D
Acq: 6 Jul 2024 10:01

Tgt Ion:202 Resp: 278004
Ion Ratio Lower Upper
202 100
101 9.8 8.8 13.2
100 8.1 7.6 11.4





#85

Benzo(a)anthracene

Concen: 7.465 ng/ul

RT: 21.699 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BG061923.D

Acq: 6 Jul 2024 10:01

Instrument :

BNA_G

ClientSampleId :

A4CF0

Tgt Ion:228 Resp: 16710

Ion	Ratio	Lower	Upper
228	100		
229	19.2	15.7	23.5
226	28.4	21.7	32.5

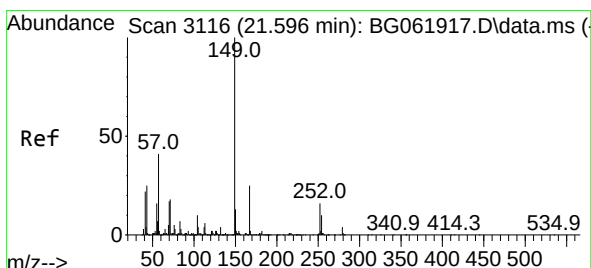
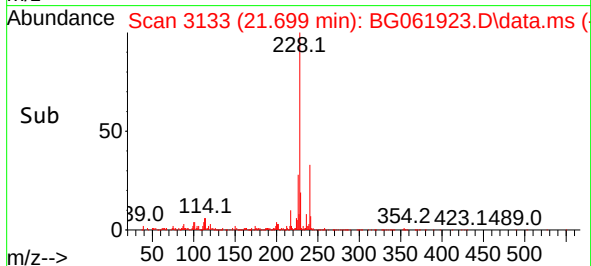
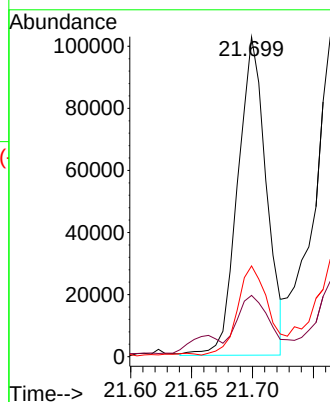
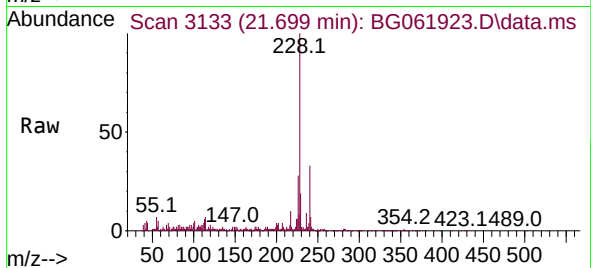
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

07/09/2024

Supervised By :mohammad
ahmed

07/09/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.008 ng/ul

RT: 21.599 min Scan# 3116

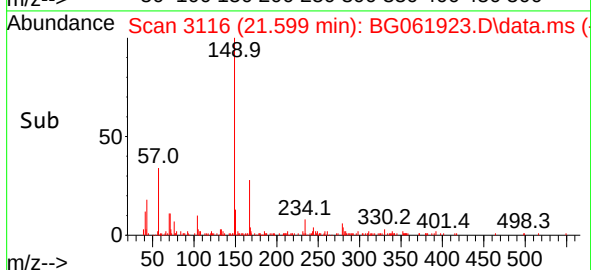
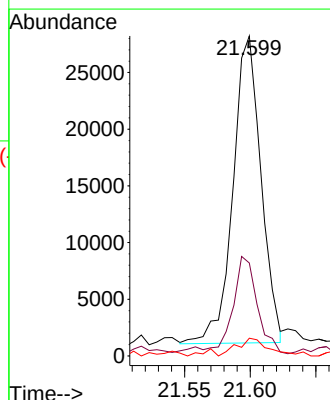
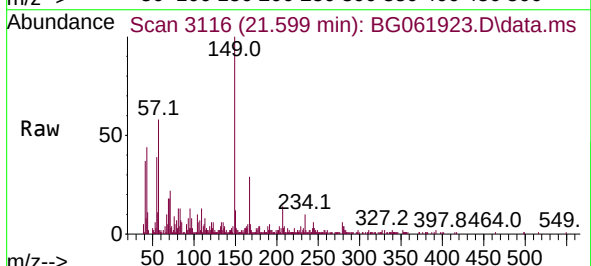
Delta R.T. -0.003 min

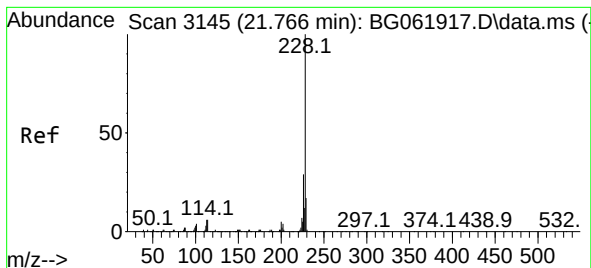
Lab File: BG061923.D

Acq: 6 Jul 2024 10:01

Tgt Ion:149 Resp: 40273

Ion	Ratio	Lower	Upper
149	100		
167	29.1	21.7	32.5
279	5.6	2.8	4.2#





#87

Chrysene

Concen: 9.729 ng/ul m

RT: 21.764 min Scan# 3145

Delta R.T. -0.008 min

Lab File: BG061923.D

Acq: 6 Jul 2024 10:01

Instrument :

BNA_G

ClientSampleId :

A4CF0

Tgt Ion:	228	Resp:	20389
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.3	34.9
229	23.6	15.5	23.3

Manual Integrations

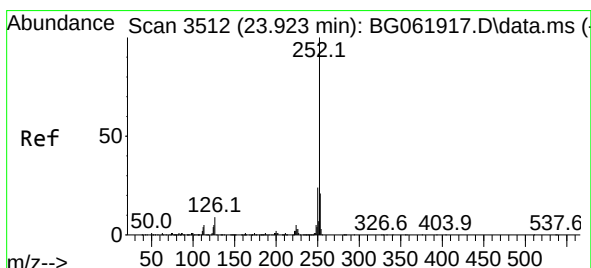
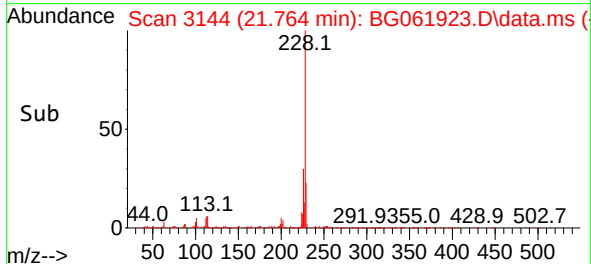
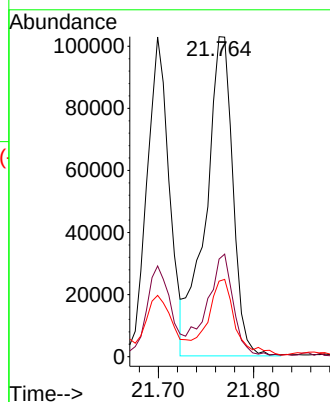
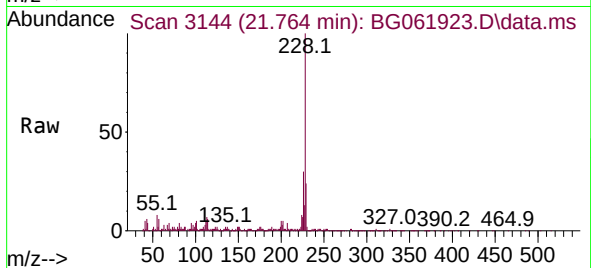
APPROVED

Reviewed By :Yogesh
Patel

07/09/2024

Supervised By :mohammad
ahmed

07/09/2024



#90

Benzo(b)fluoranthene

Concen: 11.380 ng/ul

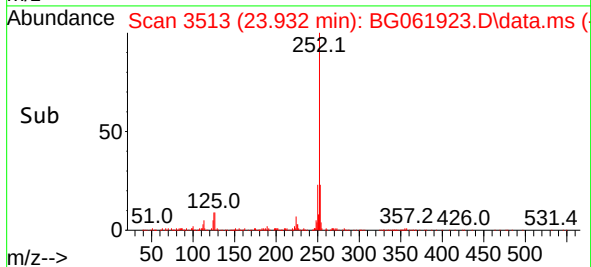
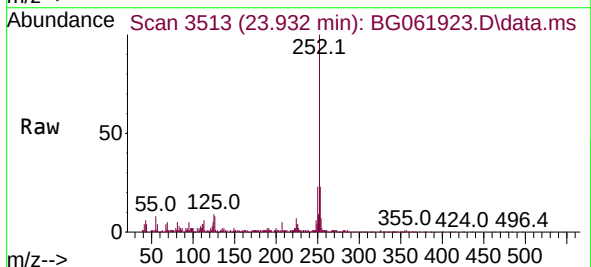
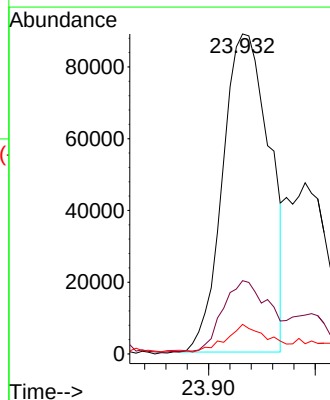
RT: 23.932 min Scan# 3513

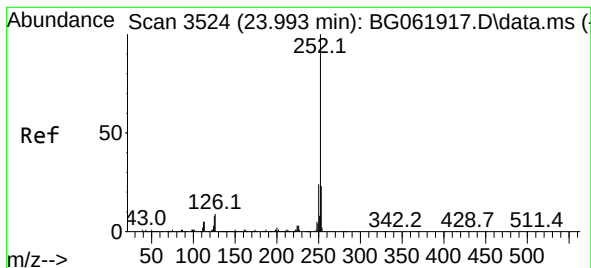
Delta R.T. -0.003 min

Lab File: BG061923.D

Acq: 6 Jul 2024 10:01

Tgt Ion:	252	Resp:	269558
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	9.2	6.1	9.1





#91

Benzo(k)fluoranthene

Concen: 5.178 ng/ul m

RT: 23.991 min Scan# 3

Delta R.T. -0.014 min

Lab File: BG061923.D

Acq: 6 Jul 2024 10:01

Instrument :

BNA_G

ClientSampleId :

A4CF0

Tgt Ion:252 Resp: 12231

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.3	28.9
125	6.0	6.3	9.5

Manual Integrations

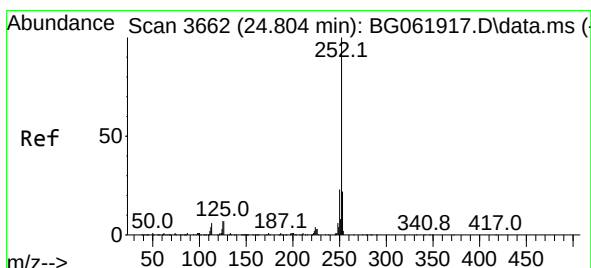
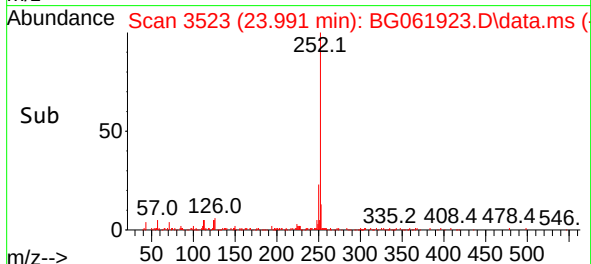
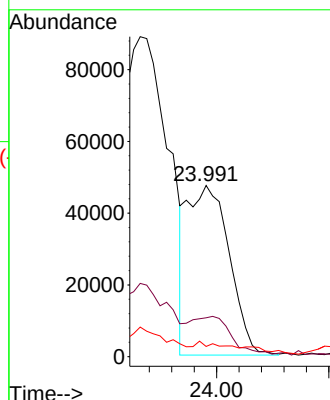
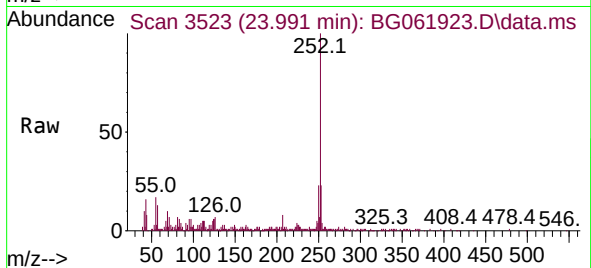
APPROVED

Reviewed By :Yogesh
Patel

07/09/2024

Supervised By :mohammad
ahmed

07/09/2024



#93

Benzo(a)pyrene

Concen: 4.410 ng/ul

RT: 24.807 min Scan# 3662

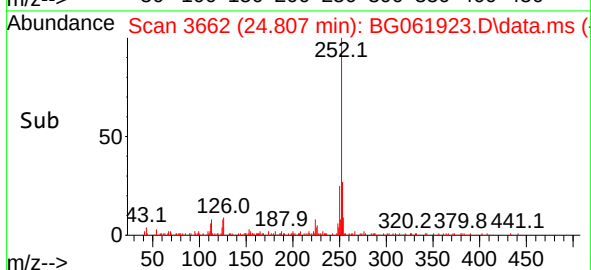
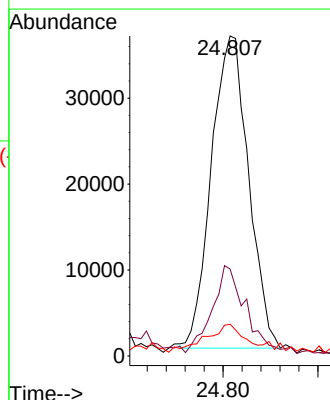
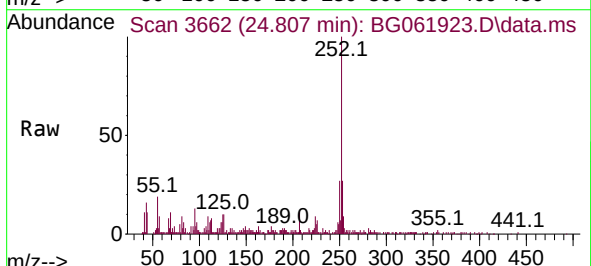
Delta R.T. -0.008 min

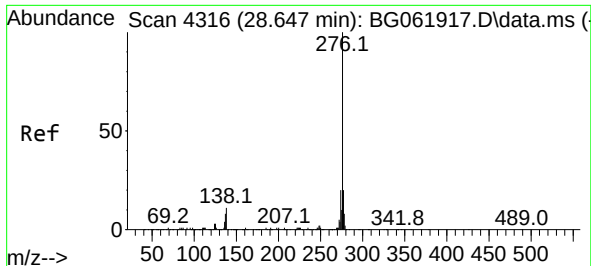
Lab File: BG061923.D

Acq: 6 Jul 2024 10:01

Tgt Ion:252 Resp: 98909

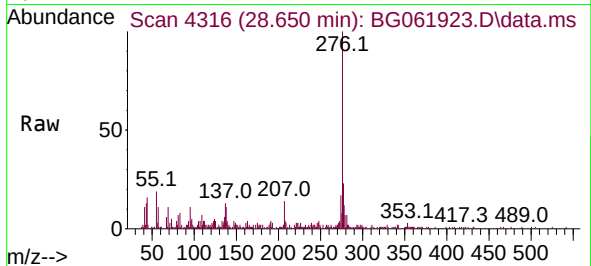
Ion	Ratio	Lower	Upper
252	100		
253	27.1	16.5	24.7
125	9.9	7.4	11.2





#94
Indeno(1,2,3-cd)pyrene
Concen: 3.858 ng/ul m
RT: 28.650 min Scan# 4316
Delta R.T. -0.014 min
Lab File: BG061923.D
Acq: 6 Jul 2024 10:01

Instrument :
BNA_G
ClientSampleId :
A4CF0



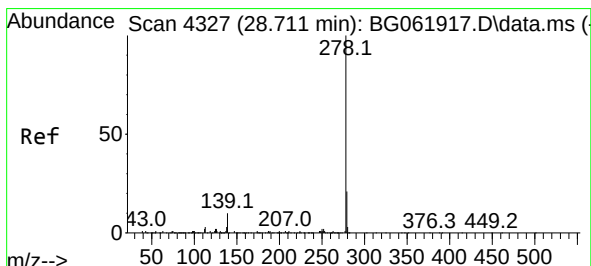
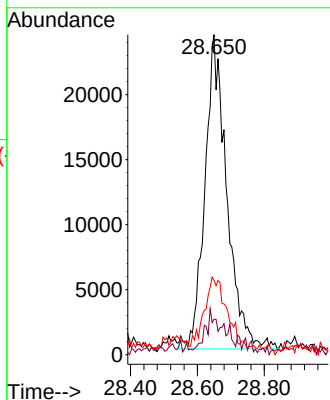
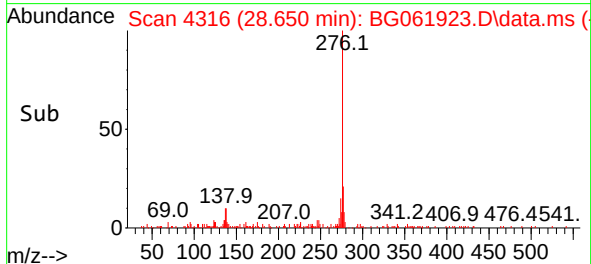
Tgt Ion:276 Resp: 11059
Ion Ratio Lower Upper
276 100
138 11.1 11.9 17.9
277 23.2 19.3 28.9

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

07/09/2024
Supervised By :mohammad
ahmed

07/09/2024



#95
Dibenzo(a,h)anthracene
Concen: 1.584 ng/ul m
RT: 28.703 min Scan# 4325
Delta R.T. -0.032 min
Lab File: BG061923.D
Acq: 6 Jul 2024 10:01

Tgt Ion:278 Resp: 37503
Ion Ratio Lower Upper
278 100
139 8.1 7.6 11.4
279 30.5 18.8 28.2#

