

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070824\
 Data File : BG061963.D
 Acq On : 9 Jul 2024 5:40
 Operator : MA/JU
 Sample : P2982-08DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A4CF4DL

Manual Integrations
 APPROVED

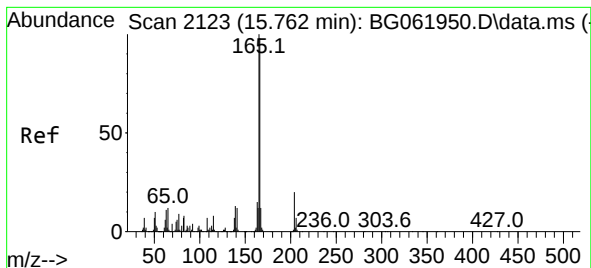
Reviewed By :Jagrut Upadhyay 07/09/2024
 Supervised By :mohammad ahmed 07/10/2024

Quant Time: Jul 09 06:22:14 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	8.096	152	33908	20.000	ng/u1	0.00
20) Naphthalene-d8	10.905	136	174578	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.712	164	138581	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.456	188	317825	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.715	240	279347	20.000	ng/u1	# 0.00
88) Perylene-d12	24.953	264	350835	20.000	ng/u1	0.00
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	7.244	99	22077	5.949	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.415	67	12520	5.328	ng/u1	0.00
11) 2-Chlorophenol-d4	7.626	132	14195	5.577	ng/u1	0.00
15) 4-Methylphenol-d8	8.789	113	15543	5.320	ng/u1	0.00
21) Nitrobenzene-d5	9.254	128	8499	6.401	ng/u1	0.00
24) 2-Nitrophenol-d4	9.988	143	10169	6.707	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.523	165	18840	6.442	ng/u1	0.00
31) 4-Chloroaniline-d4	11.034	131	6628	1.561	ng/u1	0.00
46) Dimethylphthalate-d6	14.113	166	70985	6.230	ng/u1	0.00
49) Acenaphthylene-d8	14.412	160	76451	6.417	ng/u1	0.00
54) 4-Nitrophenol-d4	14.912	143	7807m	4.291	ng/u1	0.00
60) Fluorene-d10	15.705	176	61387	6.400	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.811	200	7890	4.727	ng/u1	-0.02
73) Anthracene-d10	17.556	188	91721	6.181	ng/u1	0.00
81) Pyrene-d10	19.829	212	91319	5.558	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.730	264	72735	4.180	ng/u1	0.00
Target Compounds						
					Qvalue	
61) Fluorene	15.758	166	23416	2.158	ng/u1	95
72) Phenanthrene	17.497	178	454042	27.094	ng/u1	99
74) Anthracene	17.591	178	58094	3.354	ng/u1	96
80) Fluoranthene	19.500	202	719111	36.982	ng/u1#	94
82) Pyrene	19.865	202	620242	30.879	ng/u1#	94
85) Benzo(a)anthracene	21.698	228	348905	17.251	ng/u1	99
87) Chrysene	21.762	228	319425	16.870	ng/u1	98
90) Benzo(b)fluoranthene	23.925	252	357328	16.166	ng/u1#	97
91) Benzo(k)fluoranthene	23.983	252	142181m	6.450	ng/u1	
93) Benzo(a)pyrene	24.794	252	174715m	8.347	ng/u1	
94) Indeno(1,2,3-cd)pyrene	28.631	276	139333m	5.209	ng/u1	
95) Dibenzo(a,h)anthracene	28.690	278	52248m	2.365	ng/u1	

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



#61

Fluorene

Concen: 2.158 ng/ul

RT: 15.758 min Scan# 2122

Delta R.T. -0.010 min

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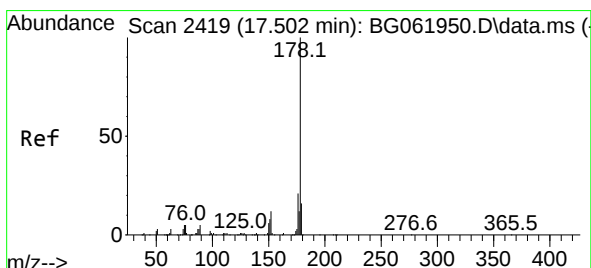
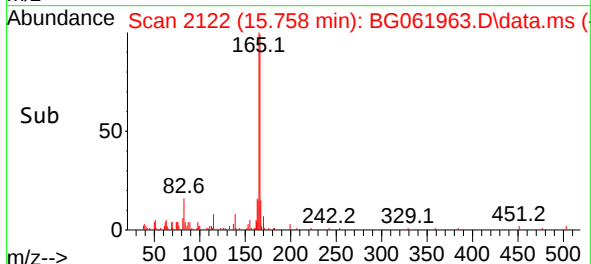
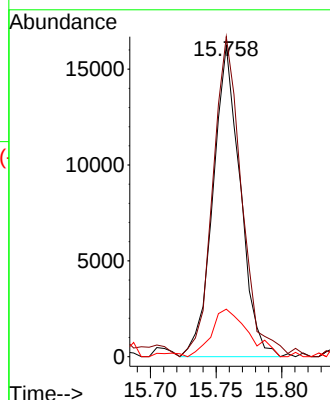
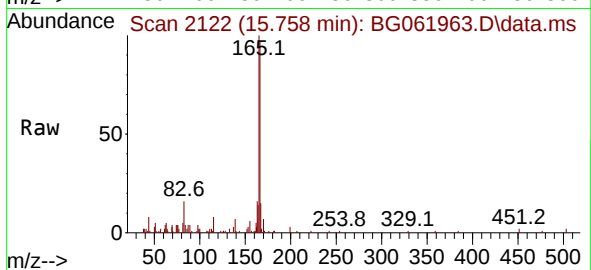
A4CF4DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.8	78.4	117.6
167	15.3	10.4	15.6

Manual Integrations

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Supervised By :mohammad ahmed 07/10/2024



#72

Phenanthrene

Concen: 27.094 ng/ul

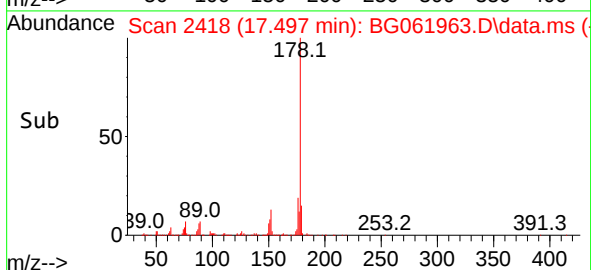
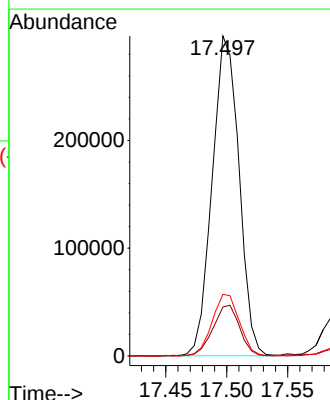
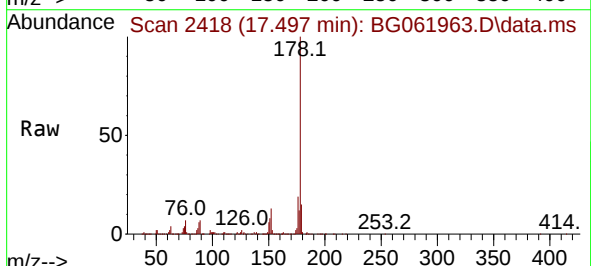
RT: 17.497 min Scan# 2418

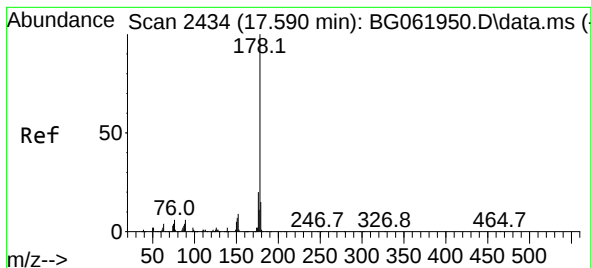
Delta R.T. -0.010 min

Lab File: BG061963.D

Acq: 9 Jul 2024 5:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.9	17.9
176	19.3	15.5	23.3





#74

Anthracene

Concen: 3.354 ng/ul

RT: 17.591 min Scan# 2434

Delta R.T. -0.004 min

Lab File: BG061963.D

Acq: 9 Jul 2024 5:40

Instrument :

BNA_G

ClientSampleId :

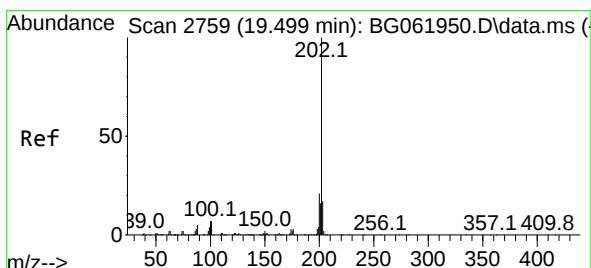
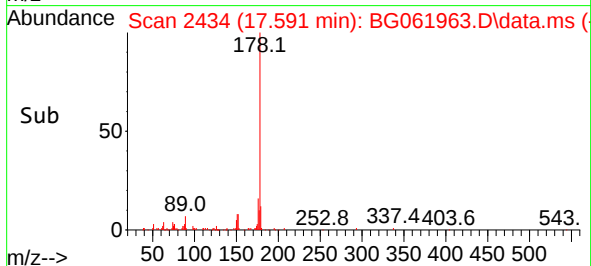
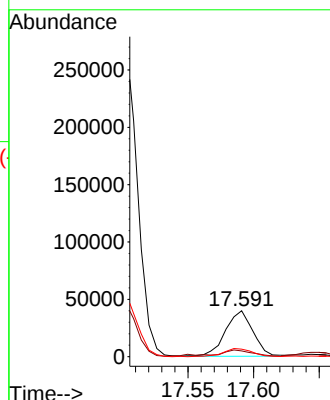
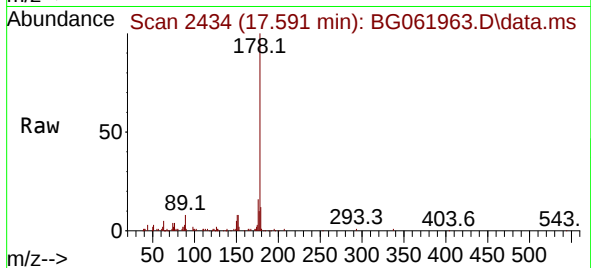
A4CF4DL

Tgt Ion:178	Resp:	58094
Ion Ratio	Lower	Upper
178	100	
179	13.2	11.9 17.9
176	16.4	14.7 22.1

Manual Integrations

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#80

Fluoranthene

Concen: 36.982 ng/ul

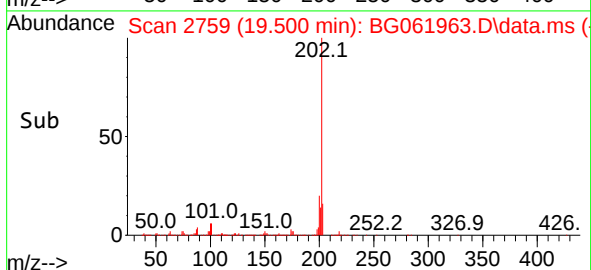
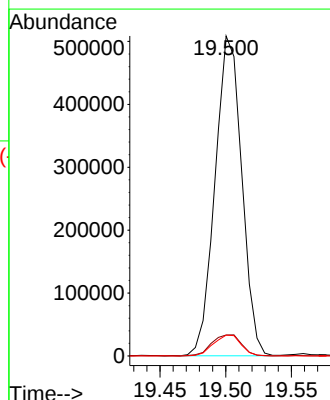
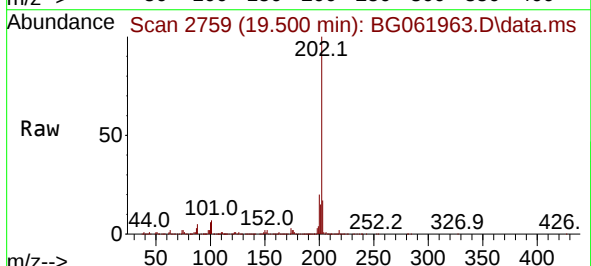
RT: 19.500 min Scan# 2759

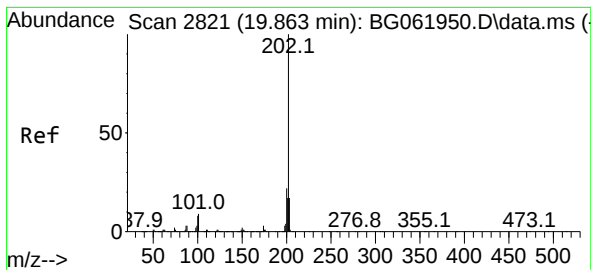
Delta R.T. -0.004 min

Lab File: BG061963.D

Acq: 9 Jul 2024 5:40

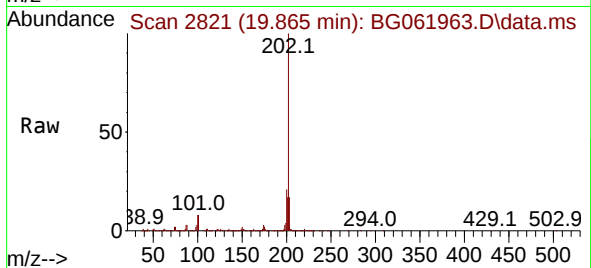
Tgt Ion:202	Resp:	719111
Ion Ratio	Lower	Upper
202	100	
101	6.6	7.4 11.2#
100	6.5	6.6 10.0#





#82
Pyrene
Concen: 30.879 ng/ul
RT: 19.865 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG061963.D
Acq: 9 Jul 2024 5:40

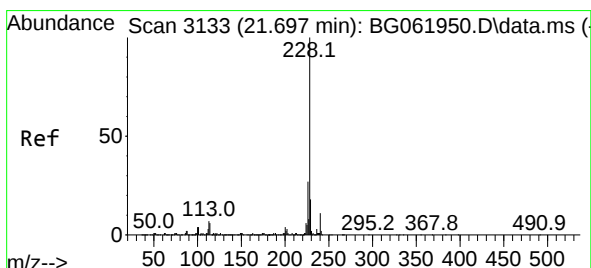
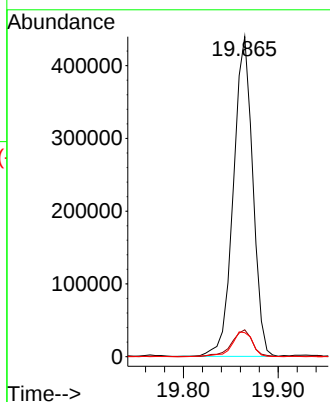
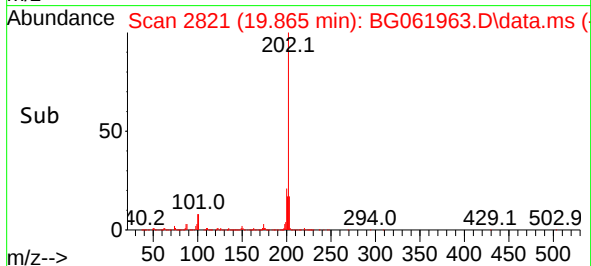
Instrument :
BNA_G
ClientSampleId :
A4CF4DL



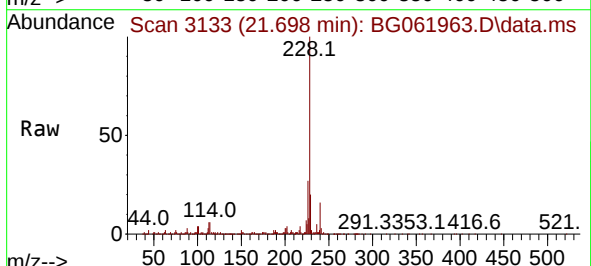
Tgt Ion:202 Resp: 62024
Ion Ratio Lower Upper
202 100
101 8.4 8.8 13.2
100 7.5 7.6 11.4

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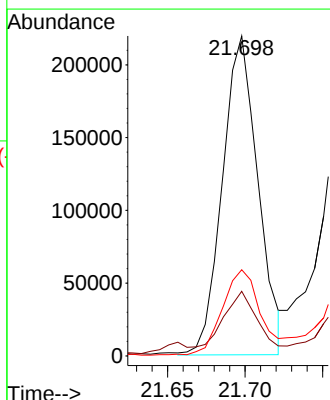
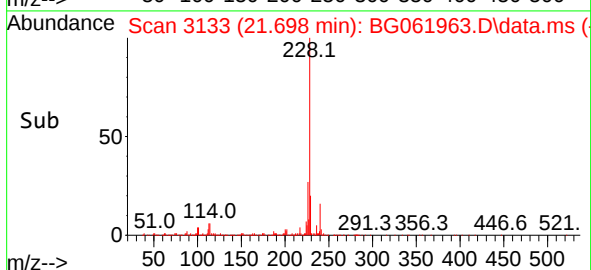
Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024

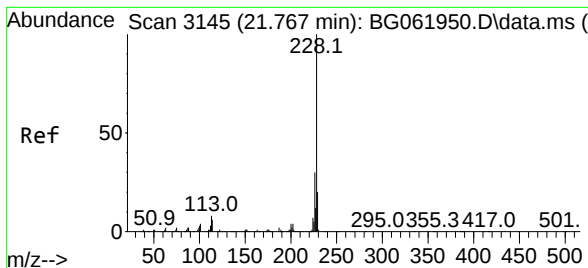


#85
Benzo(a)anthracene
Concen: 17.251 ng/ul
RT: 21.698 min Scan# 3133
Delta R.T. -0.004 min
Lab File: BG061963.D
Acq: 9 Jul 2024 5:40



Tgt Ion:228 Resp: 348905
Ion Ratio Lower Upper
228 100
229 20.2 15.7 23.5
226 27.0 21.7 32.5





#87

Chrysene

Concen: 16.870 ng/ul

RT: 21.762 min Scan# 3145

Delta R.T. -0.010 min

Lab File: BG061963.D

Acq: 9 Jul 2024 5:40

Instrument :

BNA_G

ClientSampleId :

A4CF4DL

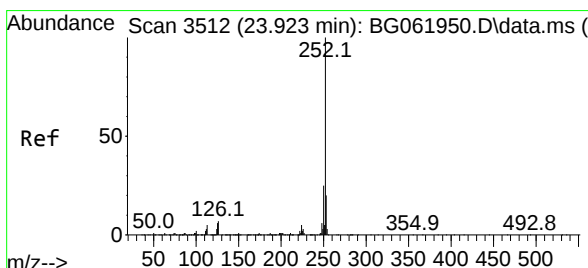
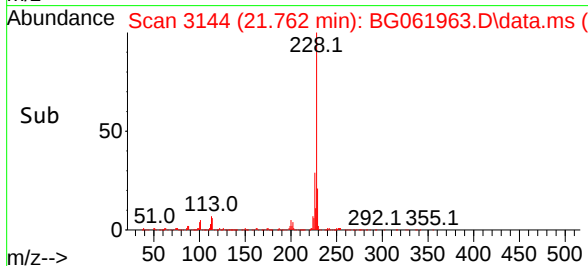
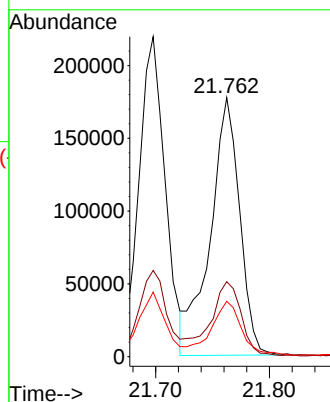
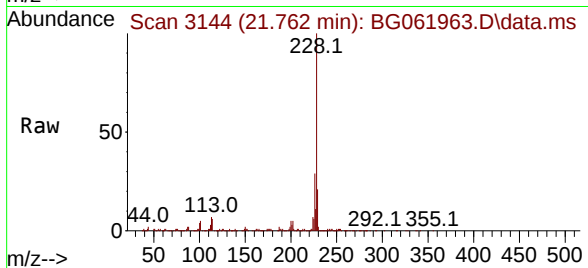
Tgt Ion:228 Resp: 319425

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.3	34.9
229	21.4	15.5	23.3

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 16.166 ng/ul

RT: 23.925 min Scan# 3512

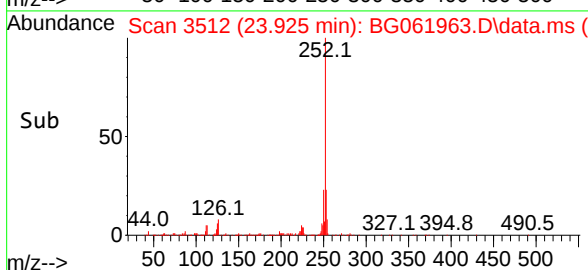
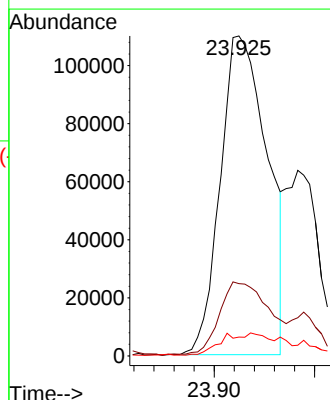
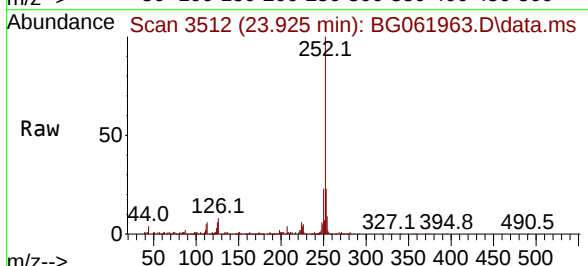
Delta R.T. -0.010 min

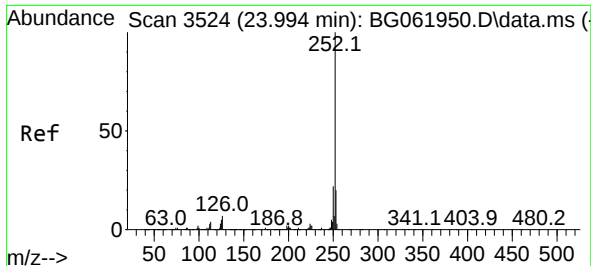
Lab File: BG061963.D

Acq: 9 Jul 2024 5:40

Tgt Ion:252 Resp: 357328

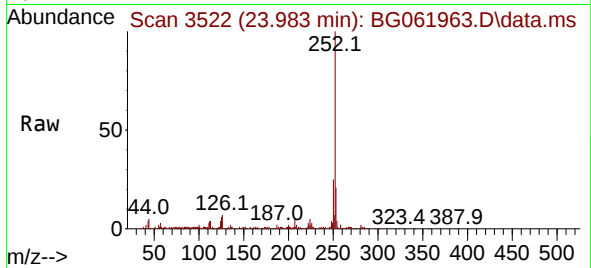
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	5.9	6.1	9.1





#91
Benzo(k)fluoranthene
Concen: 6.450 ng/ul m
RT: 23.983 min Scan# 3524
Delta R.T. -0.021 min
Lab File: BG061963.D
Acq: 9 Jul 2024 5:40

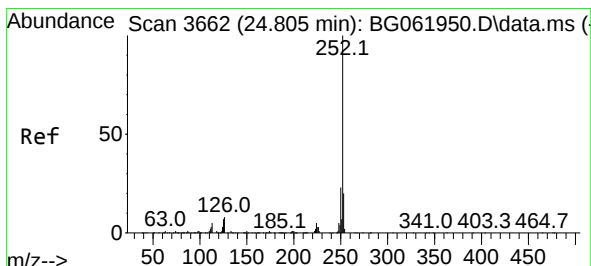
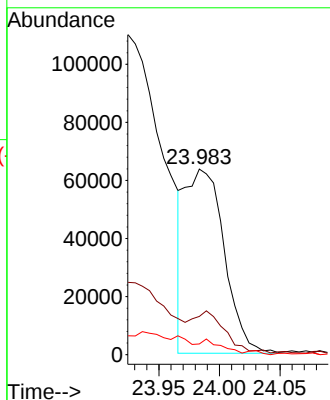
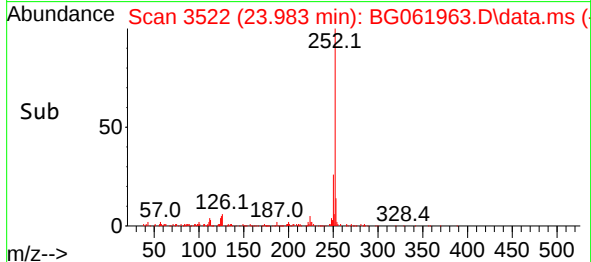
Instrument :
BNA_G
ClientSampleId :
A4CF4DL



Tgt Ion:252 Resp: 14218
Ion Ratio Lower Upper
252 100
253 20.6 19.3 28.9
125 5.8 6.3 9.5

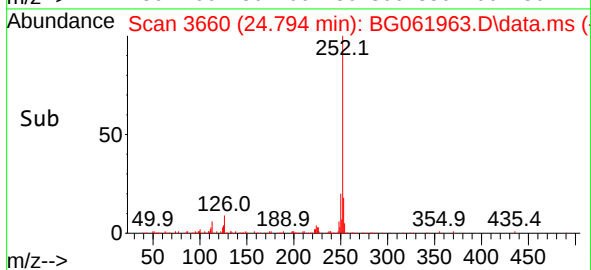
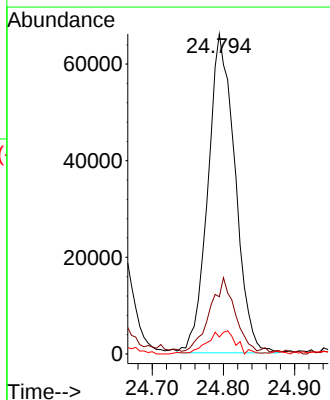
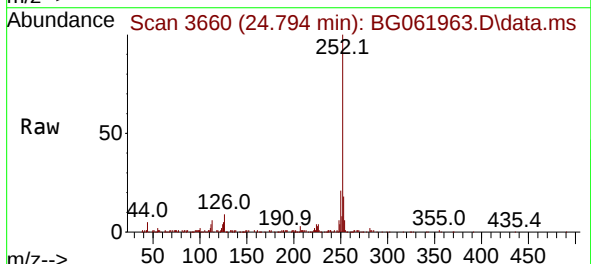
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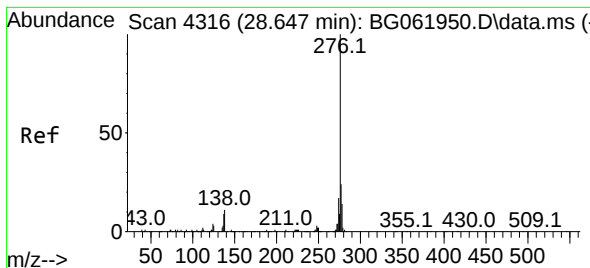
Reviewed By :Jagrut Upadhyay 07/09/2024
Supervised By :mohammad ahmed 07/10/2024



#93
Benzo(a)pyrene
Concen: 8.347 ng/ul m
RT: 24.794 min Scan# 3660
Delta R.T. -0.022 min
Lab File: BG061963.D
Acq: 9 Jul 2024 5:40

Tgt Ion:252 Resp: 174715
Ion Ratio Lower Upper
252 100
253 17.9 16.5 24.7
125 5.3 7.4 11.2#





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.209 ng/ul m

RT: 28.631 min Scan# 4313

Delta R.T. -0.033 min

Lab File: BG061963.D

Acq: 9 Jul 2024 5:40

Instrument :

BNA_G

ClientSampleId :

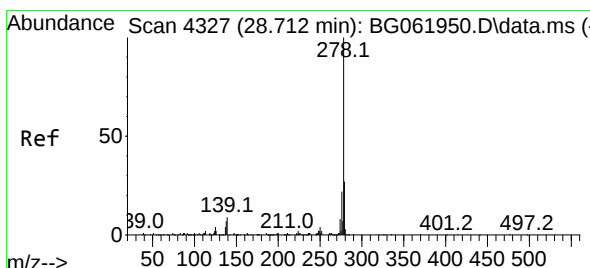
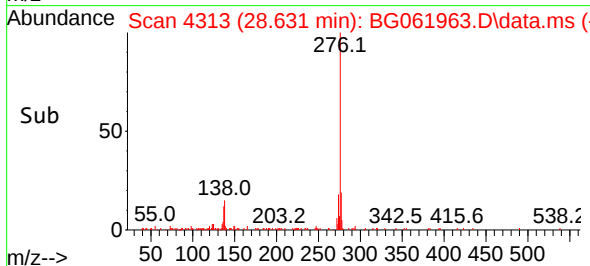
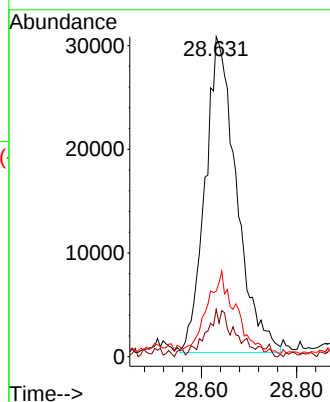
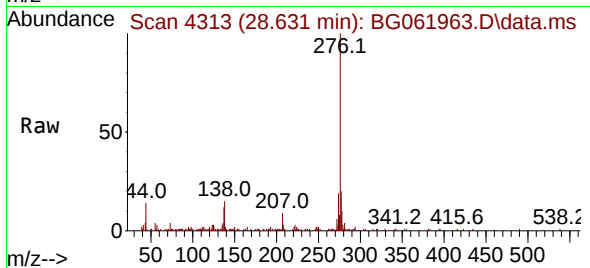
A4CF4DL

Tgt Ion:	276	Resp:	13933
Ion Ratio	Lower	Upper	
276	100		
138	14.8	11.9	17.9
277	20.4	19.3	28.9

Manual Integrations

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#95

Dibenzo(a,h)anthracene

Concen: 2.365 ng/ul m

RT: 28.690 min Scan# 4323

Delta R.T. -0.045 min

Lab File: BG061963.D

Acq: 9 Jul 2024 5:40

Tgt Ion:	278	Resp:	52248
Ion Ratio	Lower	Upper	
278	100		
139	10.2	7.6	11.4
279	22.6	18.8	28.2

