

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061565.D
 Acq On : 8 Jun 2024 14:51
 Operator : MA/JU
 Sample : P2647-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5T4

Manual Integrations
 APPROVED

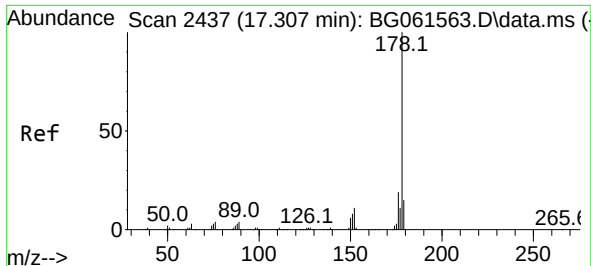
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 09 23:46:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.873	152	28594	20.000	ng/u1	0.00
20) Naphthalene-d8	10.664	136	108766	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.507	164	80580	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.262	188	186466	20.000	ng/u1	0.00
79) Chrysene-d12	21.522	240	200989	20.000	ng/u1	# 0.00
88) Perylene-d12	24.624	264	233986	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.332	96	1282	2.509	ng/uL	-0.03
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.062	99	35982	15.324	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.198	67	22154	15.010	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.409	132	31586	18.176	ng/u1	0.00
15) 4-Methylphenol-d8	8.596	113	30923	15.444	ng/u1	0.00
21) Nitrobenzene-d5	9.031	128	16013	19.122	ng/u1	0.00
24) 2-Nitrophenol-d4	9.748	143	17721	18.081	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.306	165	37761	19.763	ng/u1	0.00
31) 4-Chloroaniline-d4	10.805	131	4381m	1.753	ng/u1	0.00
46) Dimethylphthalate-d6	13.913	166	121042	19.368	ng/u1	0.00
49) Acenaphthylene-d8	14.201	160	128477	19.774	ng/u1	0.00
54) 4-Nitrophenol-d4	14.765	143	10749m	13.912	ng/u1	0.00
60) Fluorene-d10	15.506	176	105956	19.637	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.652	200	15969	14.160	ng/u1	0.00
73) Anthracene-d10	17.362	188	175087	21.298	ng/u1	0.00
81) Pyrene-d10	19.654	212	196443	19.035	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.413	264	175007	15.557	ng/u1	0.01
Target Compounds					Qvalue	
72) Phenanthrene	17.303	178	137287	15.169	ng/u1	99
74) Anthracene	17.392	178	22840	2.441	ng/u1	99
77) Carbazole	17.668	167	13338	1.752	ng/u1	97
78) Di-n-butylphthalate	18.220	149	87862	9.213	ng/u1	100
80) Fluoranthene	19.325	202	412173	33.293	ng/u1	98
82) Pyrene	19.689	202	329240	25.621	ng/u1#	96
85) Benzo(a)anthracene	21.504	228	301966	21.774	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.404	149	63546	9.725	ng/u1#	97
87) Chrysene	21.569	228	314754	24.648	ng/u1	96
90) Benzo(b)fluoranthene	23.649	252	489416	35.130	ng/u1	99
91) Benzo(k)fluoranthene	23.702	252	158632	11.216	ng/u1	96
93) Benzo(a)pyrene	24.477	252	176815	13.366	ng/u1#	89
94) Indeno(1,2,3-cd)pyrene	28.155	276	145499m	9.095	ng/u1	
95) Dibenzo(a,h)anthracene	28.167	278	49318m	3.739	ng/u1	
96) Benzo(g,h,i)perylene	29.266	276	24377m	1.915	ng/u1	

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



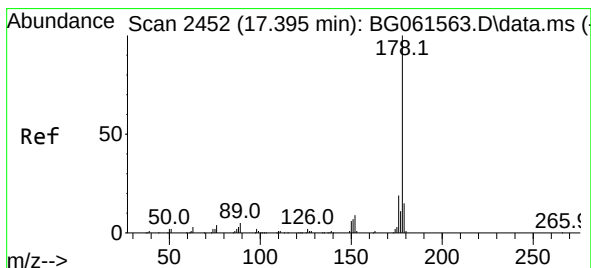
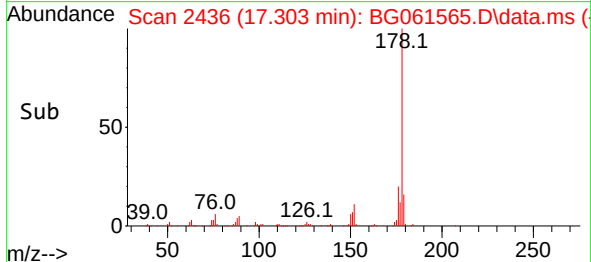
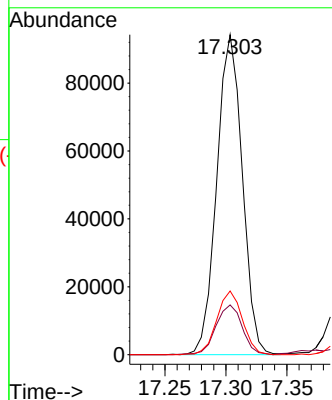
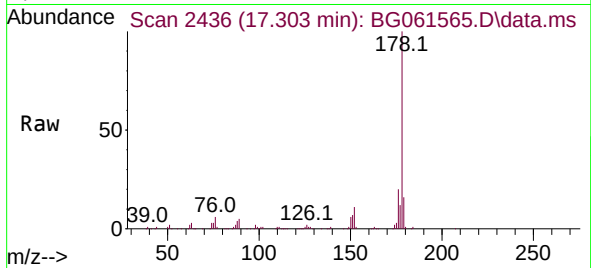
#72
Phenanthrene
Concen: 15.169 ng/u1
RT: 17.303 min Scan# 2437
Delta R.T. -0.003 min
Lab File: BG061565.D
Acq: 8 Jun 2024 14:51

Instrument :
BNA_G
ClientSampleId :
BH5T4

Tgt Ion:178 Resp: 13728
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 19.9 15.5 23.3

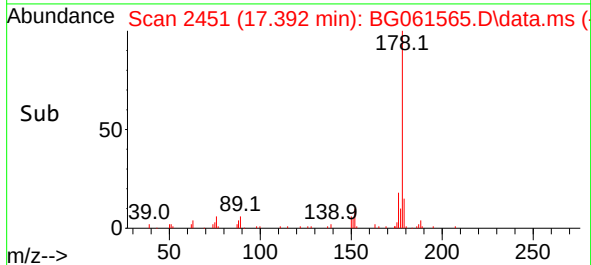
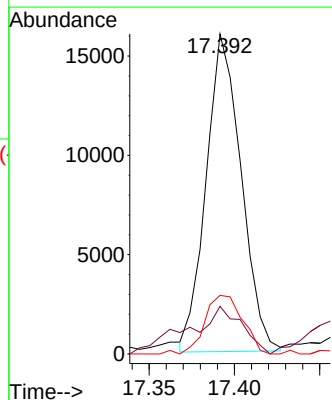
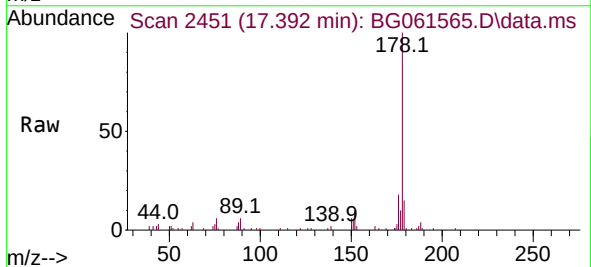
Manual Integrations
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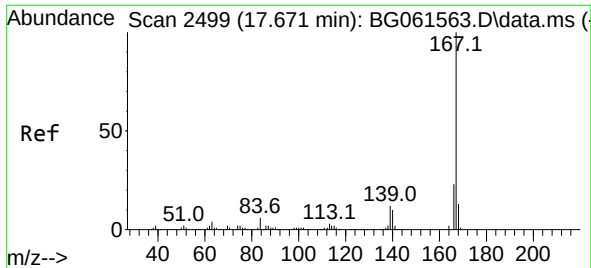
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#74
Anthracene
Concen: 2.441 ng/u1
RT: 17.392 min Scan# 2451
Delta R.T. -0.003 min
Lab File: BG061565.D
Acq: 8 Jun 2024 14:51

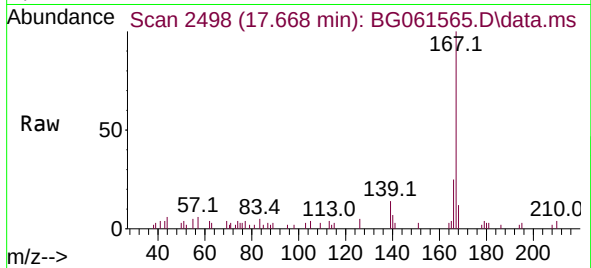
Tgt Ion:178 Resp: 22840
Ion Ratio Lower Upper
178 100
179 14.9 11.8 17.6
176 18.3 14.9 22.3





#77
 Carbazole
 Concen: 1.752 ng/ul
 RT: 17.668 min Scan# 2498
 Delta R.T. -0.003 min
 Lab File: BG061565.D
 Acq: 8 Jun 2024 14:51

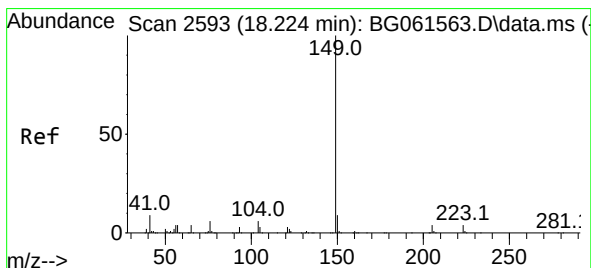
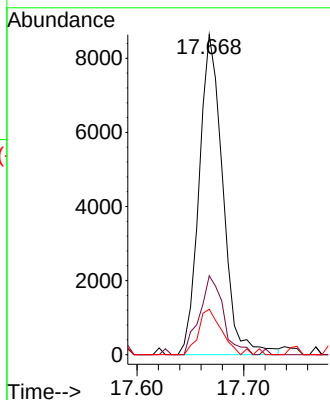
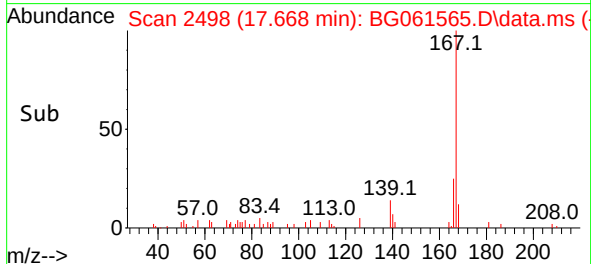
Instrument :
 BNA_G
 ClientSampleId :
 BH5T4



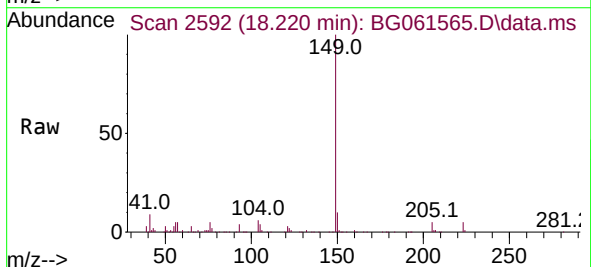
Tgt Ion:167 Resp: 13338
 Ion Ratio Lower Upper
 167 100
 166 24.7 18.6 28.0
 139 14.2 10.6 15.8

Manual Integrations
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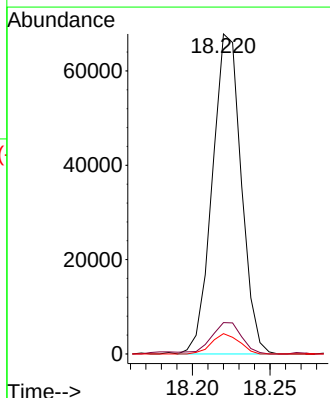
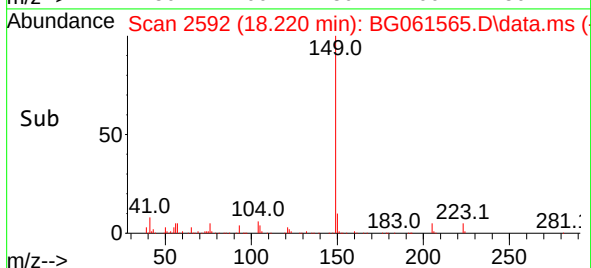
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

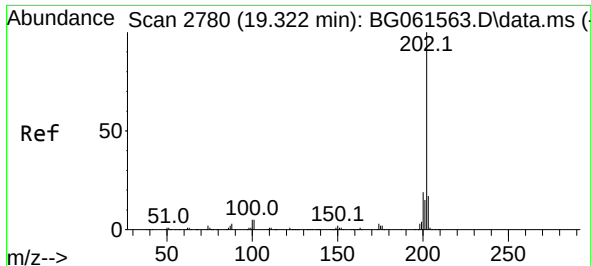


#78
 Di-n-butylphthalate
 Concen: 9.213 ng/ul
 RT: 18.220 min Scan# 2592
 Delta R.T. -0.003 min
 Lab File: BG061565.D
 Acq: 8 Jun 2024 14:51



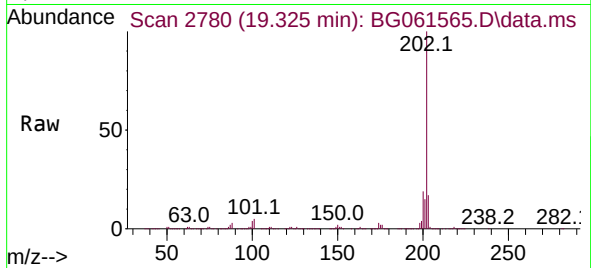
Tgt Ion:149 Resp: 87862
 Ion Ratio Lower Upper
 149 100
 150 9.8 7.8 11.8
 104 6.4 4.8 7.2





#80
Fluoranthene
Concen: 33.293 ng/u1
RT: 19.325 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG061565.D
Acq: 8 Jun 2024 14:51

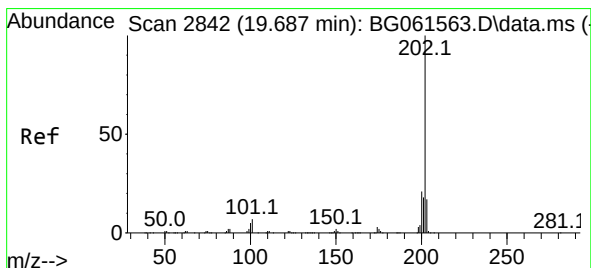
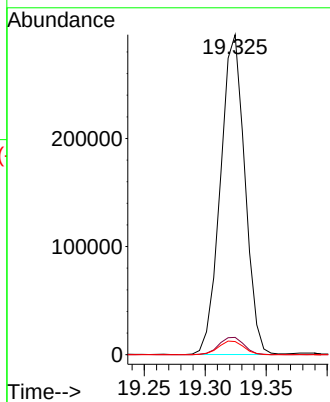
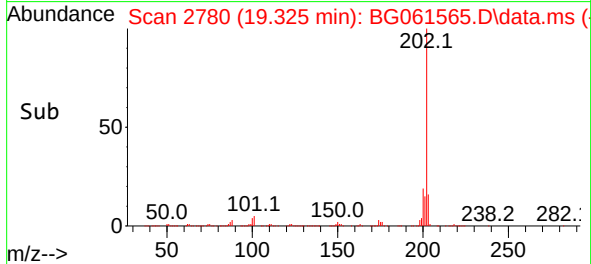
Instrument :
BNA_G
ClientSampleId :
BH5T4



Tgt Ion:202 Resp: 41217
Ion Ratio Lower Upper
202 100
101 5.4 4.8 7.2
100 4.1 4.1 6.1

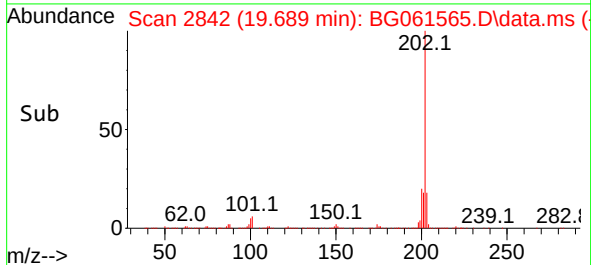
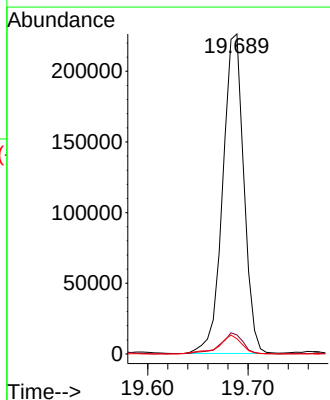
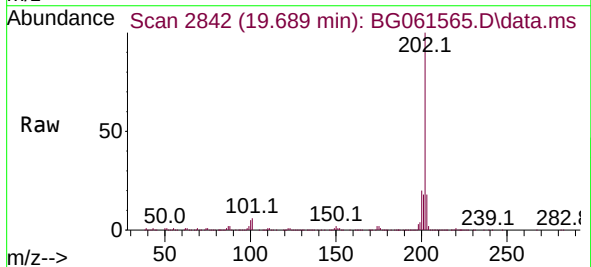
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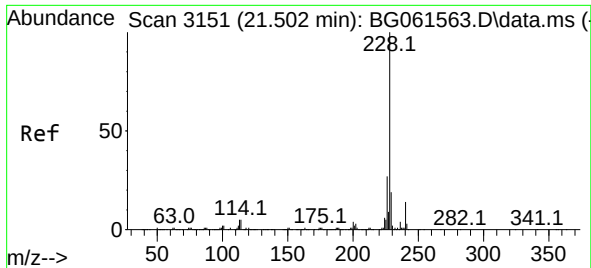
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#82
Pyrene
Concen: 25.621 ng/u1
RT: 19.689 min Scan# 2842
Delta R.T. 0.003 min
Lab File: BG061565.D
Acq: 8 Jun 2024 14:51

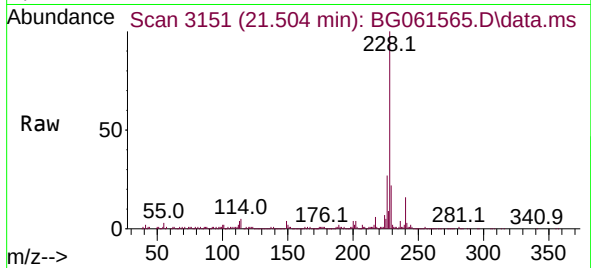
Tgt Ion:202 Resp: 329240
Ion Ratio Lower Upper
202 100
101 5.9 5.7 8.5
100 4.7 5.1 7.7#





#85
Benzo(a)anthracene
Concen: 21.774 ng/ul
RT: 21.504 min Scan# 3151
Delta R.T. 0.003 min
Lab File: BG061565.D
Acq: 8 Jun 2024 14:51

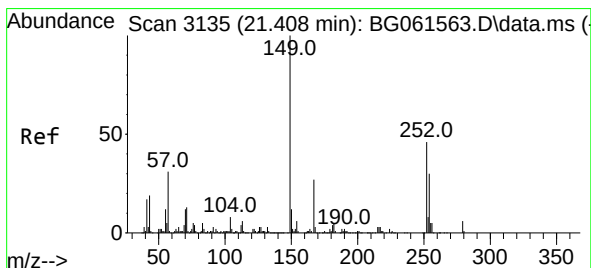
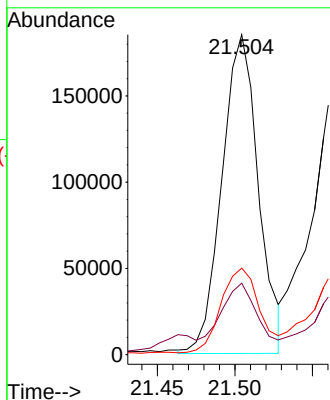
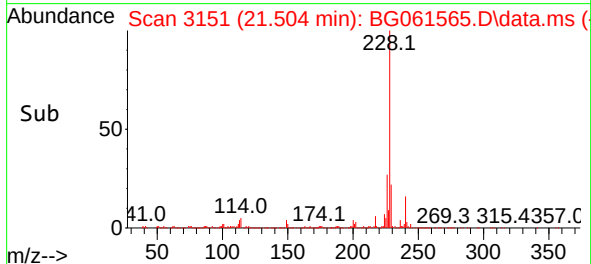
Instrument :
BNA_G
ClientSampleId :
BH5T4



Tgt Ion:228 Resp: 301960
Ion Ratio Lower Upper
228 100
229 22.4 15.2 22.8
226 27.1 21.4 32.2

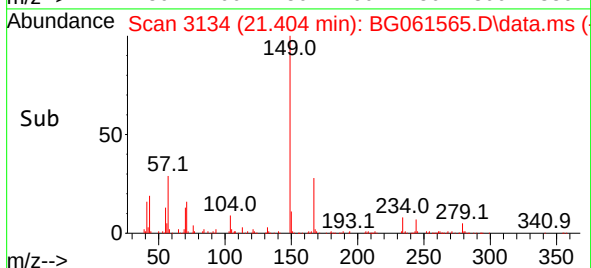
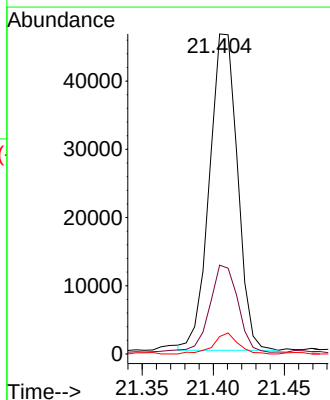
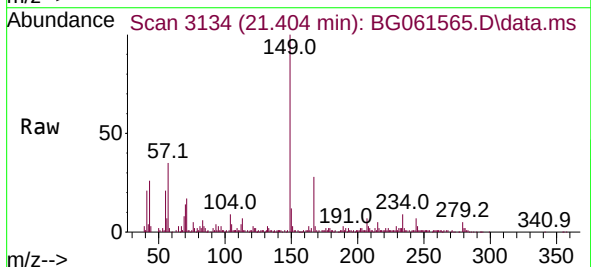
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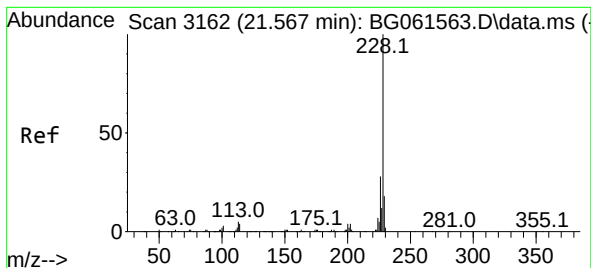
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#86
Bis(2-ethylhexyl)phthalate
Concen: 9.725 ng/ul
RT: 21.404 min Scan# 3134
Delta R.T. -0.003 min
Lab File: BG061565.D
Acq: 8 Jun 2024 14:51

Tgt Ion:149 Resp: 63546
Ion Ratio Lower Upper
149 100
167 27.7 21.1 31.7
279 5.5 3.3 4.9#





#87

Chrysene

Concen: 24.648 ng/ul

RT: 21.569 min Scan# 3162

Delta R.T. 0.003 min

Lab File: BG061565.D

Acq: 8 Jun 2024 14:51

Instrument :

BNA_G

ClientSampleId :

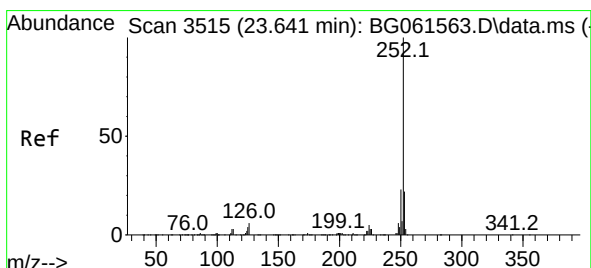
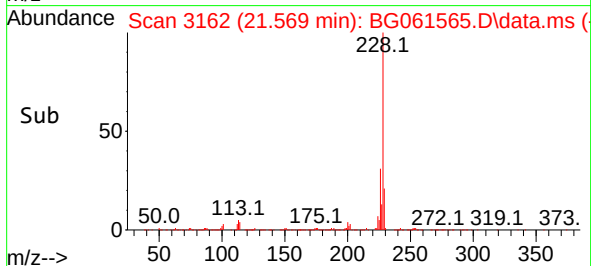
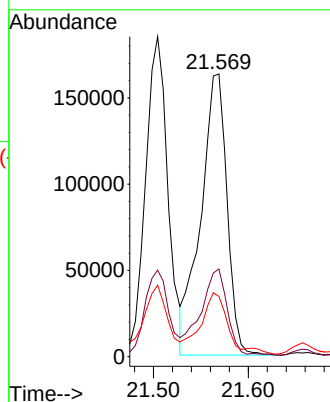
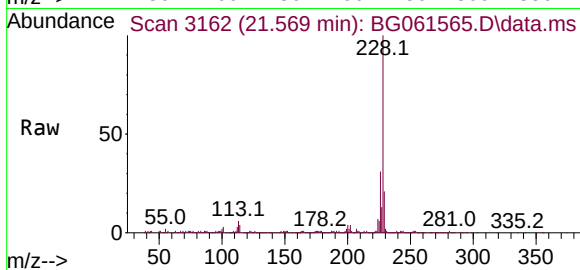
BH5T4

Tgt Ion:	228	Resp:	314754
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.4	35.0
229	21.4	15.4	23.2

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 35.130 ng/ul

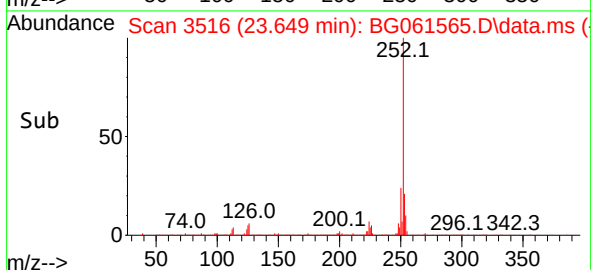
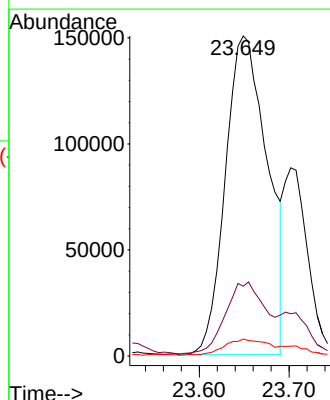
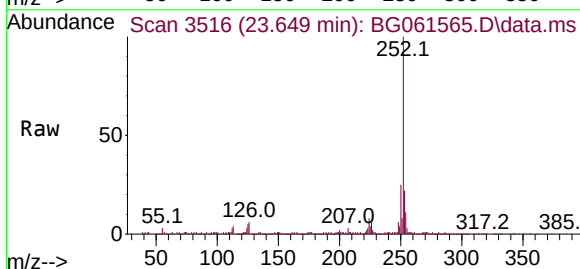
RT: 23.649 min Scan# 3516

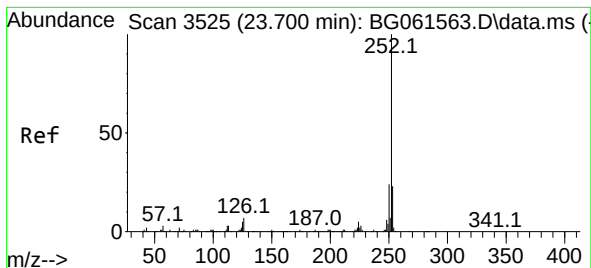
Delta R.T. 0.015 min

Lab File: BG061565.D

Acq: 8 Jun 2024 14:51

Tgt Ion:	252	Resp:	489416
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.8	26.8
125	5.3	4.6	6.8





#91

Benzo(k)fluoranthene

Concen: 11.216 ng/ul

RT: 23.702 min Scan# 3

Delta R.T. 0.003 min

Lab File: BG061565.D

Acq: 8 Jun 2024 14:51

Instrument :

BNA_G

ClientSampleId :

BH5T4

Tgt Ion:252 Resp: 15863

Ion Ratio Lower Upper

252 100

253 22.5 16.0 24.0

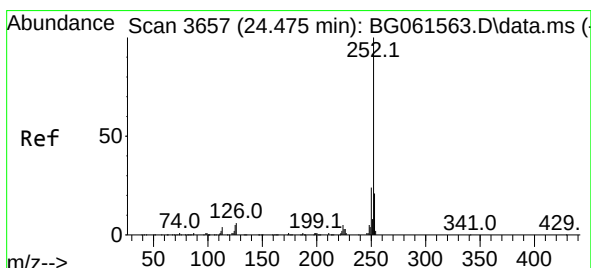
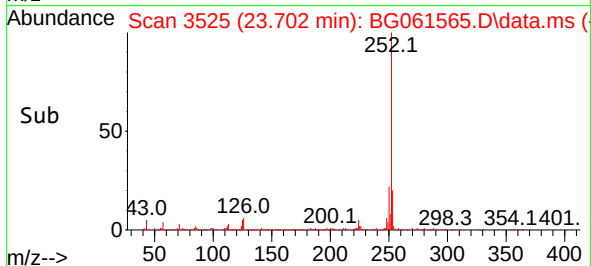
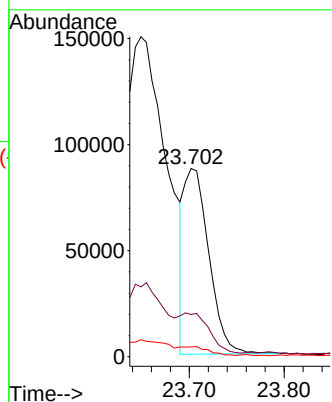
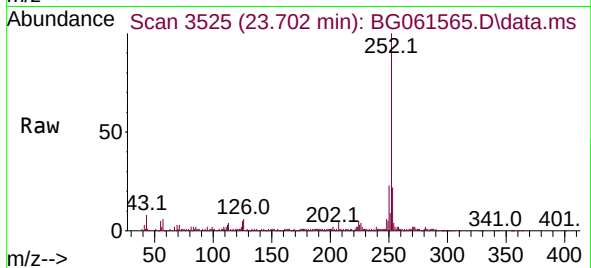
125 5.2 4.3 6.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#93

Benzo(a)pyrene

Concen: 13.366 ng/ul

RT: 24.477 min Scan# 3657

Delta R.T. 0.009 min

Lab File: BG061565.D

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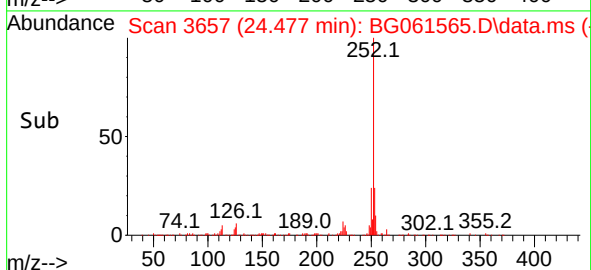
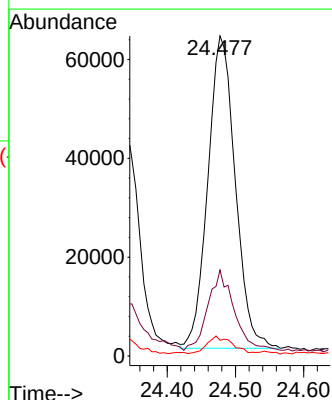
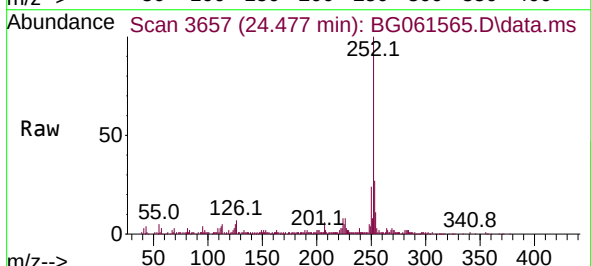
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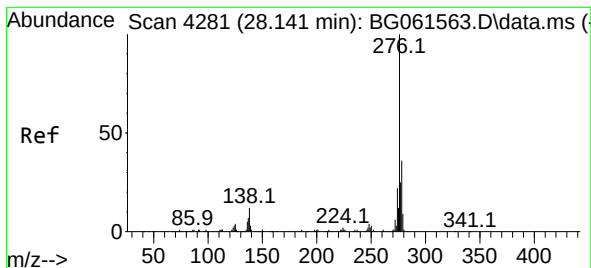
Ion Ratio Lower Upper

252 100

253 26.8 16.4 24.6

125 4.9 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.095 ng/ul m

RT: 28.155 min Scan# 4283

Delta R.T. 0.021 min

Lab File: BG061565.D

Acq: 8 Jun 2024 14:51

Instrument :

BNA_G

ClientSampleId :

BH5T4

Tgt Ion:276 Resp: 145499

Ion Ratio Lower Upper

276 100

138 10.7 8.6 13.0

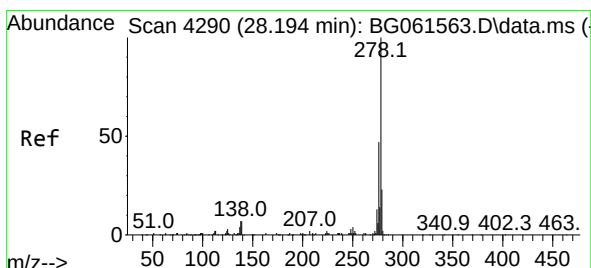
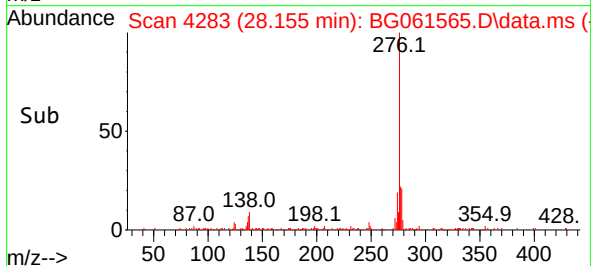
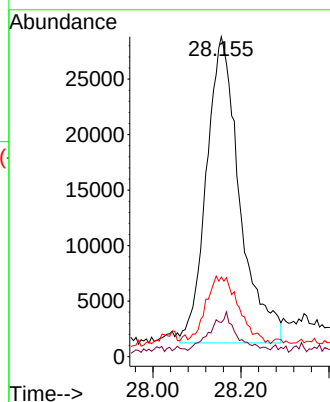
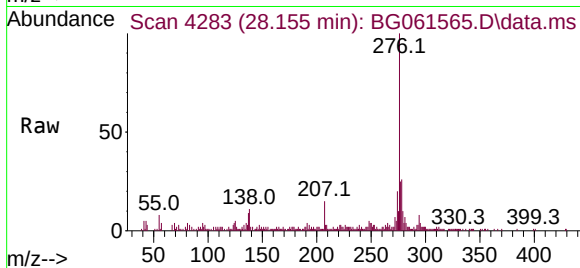
277 24.9 19.7 29.5

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.739 ng/ul m

RT: 28.167 min Scan# 4285

Delta R.T. -0.003 min

Lab File: BG061565.D

Acq: 8 Jun 2024 14:51

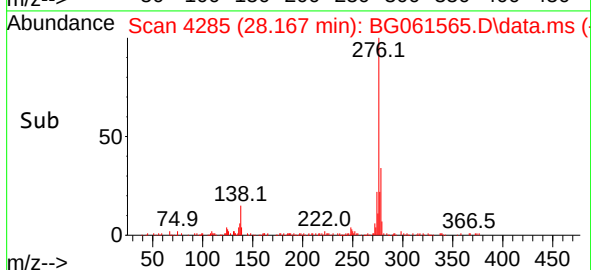
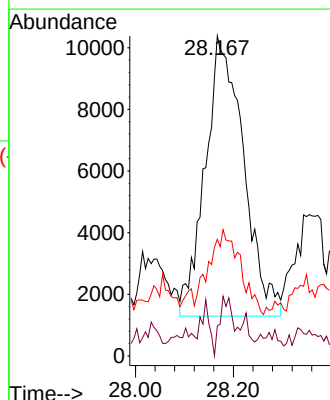
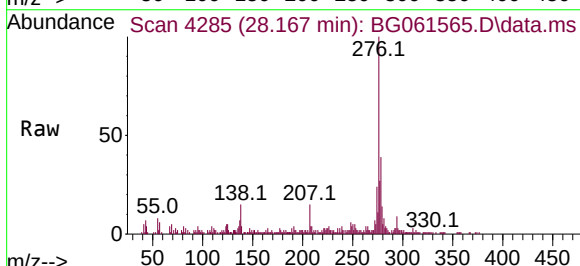
Tgt Ion:278 Resp: 49318

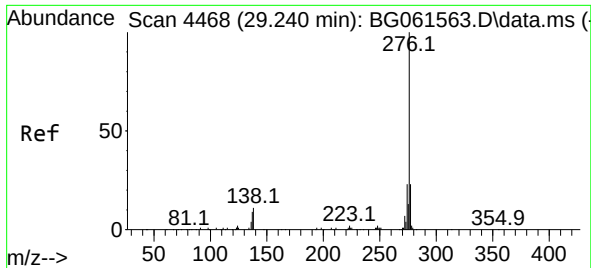
Ion Ratio Lower Upper

278 100

139 9.4 6.4 9.6

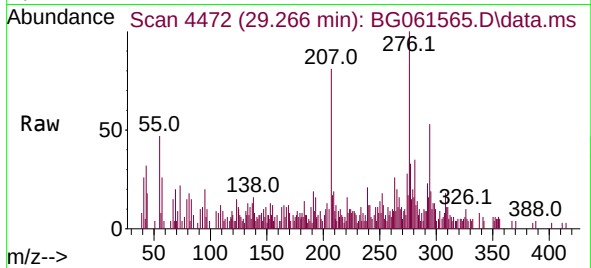
279 36.5 19.9 29.9#





#96
 Benzo(g,h,i)perylene
 Concen: 1.915 ng/ul m
 RT: 29.266 min Scan# 44
 Delta R.T. 0.044 min
 Lab File: BG061565.D
 Acq: 8 Jun 2024 14:51

Instrument :
 BNA_G
 ClientSampleId :
 BH5T4



Tgt Ion:276 Resp: 2437
 Ion Ratio Lower Upper
 276 100
 138 15.6 8.7 13.1
 277 33.3 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

