

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061426.D
 Acq On : 3 Jun 2024 16:48
 Operator : MA/JU
 Sample : P2577-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBN9

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 03 23:46:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	39536	20.000	ng/u1	0.00
20) Naphthalene-d8	10.671	136	158693	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.513	164	122002	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.263	188	281613	20.000	ng/u1	0.00
79) Chrysene-d12	21.517	240	305425	20.000	ng/u1	0.00
88) Perylene-d12	24.613	264	351431	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.338	96	3118	4.413	ng/uL	0.00
4) Pyridine-d5	3.749	84	23659	9.413	ng/u1	0.01
7) Phenol-d5	7.063	99	77219	23.784	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.204	67	47458	23.256	ng/u1	0.00
11) 2-Chlorophenol-d4	7.416	132	62251	25.907	ng/u1	0.00
15) 4-Methylphenol-d8	8.597	113	62992	22.754	ng/u1	0.00
21) Nitrobenzene-d5	9.031	128	31470	25.757	ng/u1	0.00
24) 2-Nitrophenol-d4	9.754	143	36506	25.530	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.306	165	72651	26.061	ng/u1	0.00
31) 4-Chloroaniline-d4	10.806	131	30397	8.335	ng/u1	0.00
46) Dimethylphthalate-d6	13.920	166	229819	24.288	ng/u1	0.00
49) Acenaphthylene-d8	14.202	160	259304	26.359	ng/u1	0.00
54) 4-Nitrophenol-d4	14.754	143	24313	20.783	ng/u1	0.02
60) Fluorene-d10	15.506	176	207119	25.353	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.647	200	37063	21.760	ng/u1	0.01
73) Anthracene-d10	17.363	188	333934	26.897	ng/u1	0.00
81) Pyrene-d10	19.654	212	408876	26.073	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.402	264	447837	26.507	ng/u1	0.02
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.016	77	6570	3.870	ng/u1	92
72) Phenanthrene	17.304	178	194986	14.266	ng/u1	98
74) Anthracene	17.392	178	23506	1.663	ng/u1	97
77) Carbazole	17.668	167	20025	1.742	ng/u1	97
78) Di-n-butylphthalate	18.226	149	22398	1.555	ng/u1#	95
80) Fluoranthene	19.319	202	507939	27.000	ng/u1	99
82) Pyrene	19.684	202	457519	23.429	ng/u1	100
83) Butylbenzylphthalate	20.571	149	29657	4.421	ng/u1	92
85) Benzo(a)anthracene	21.499	228	243983	11.577	ng/u1	97
87) Chrysene	21.564	228	304842	15.709	ng/u1	98
90) Benzo(b)fluoranthene	23.638	252	427208	20.417	ng/u1	99
91) Benzo(k)fluoranthene	23.691	252	152939m	7.200	ng/u1	
93) Benzo(a)pyrene	24.466	252	277655	13.974	ng/u1#	96
94) Indeno(1,2,3-cd)pyrene	28.121	276	218021	9.074	ng/u1	97
95) Dibenzo(a,h)anthracene	28.150	278	53596m	2.705	ng/u1	
96) Benzo(g,h,i)perylene	29.219	276	193278m	10.111	ng/u1	

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

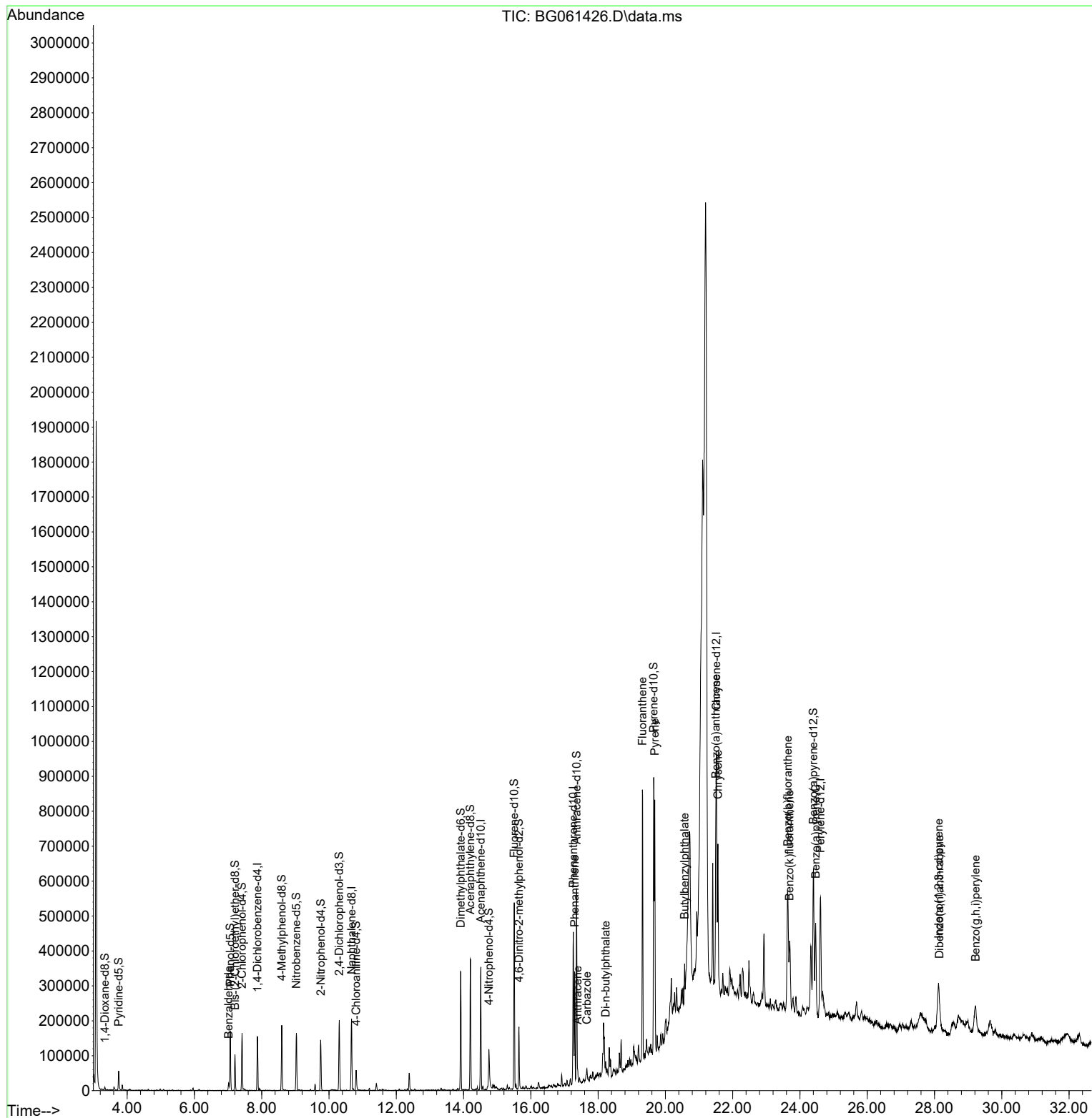
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
Data File : BG061426.D
Acq On : 3 Jun 2024 16:48
Operator : MA/JU
Sample : P2577-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

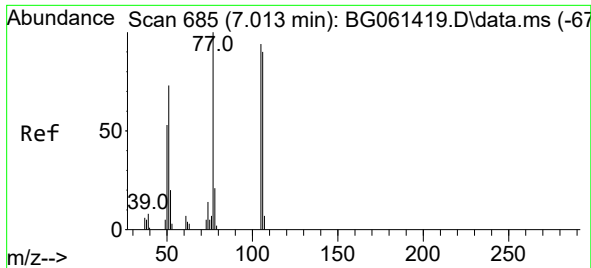
Instrument :
BNA_G
ClientSampleId :
BHBN9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 03 23:46:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu May 30 22:54:48 2024
Response via : Initial Calibration





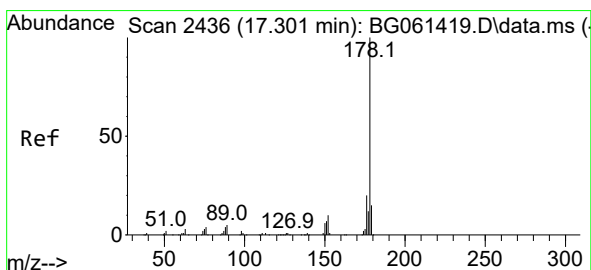
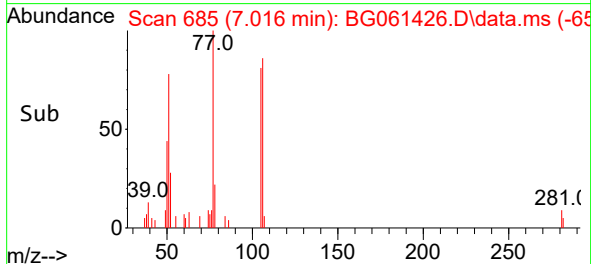
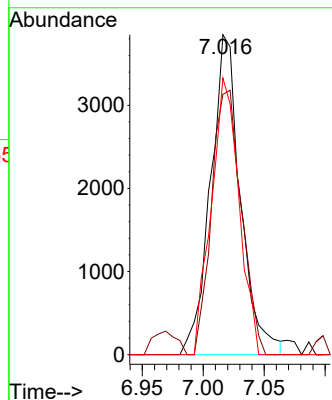
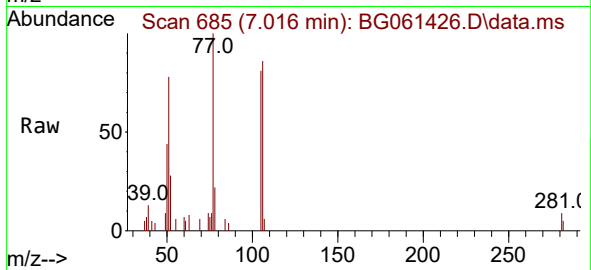
#6
Benzaldehyde
Concen: 3.870 ng/ul
RT: 7.016 min Scan# 685
Delta R.T. 0.005 min
Lab File: BG061426.D
Acq: 3 Jun 2024 16:48

Instrument :
BNA_G
ClientSampleId :
BHBN9

Tgt Ion: 77 Resp: 6570
Ion Ratio Lower Upper
77 100
105 81.3 71.0 106.6
106 86.4 63.4 95.2

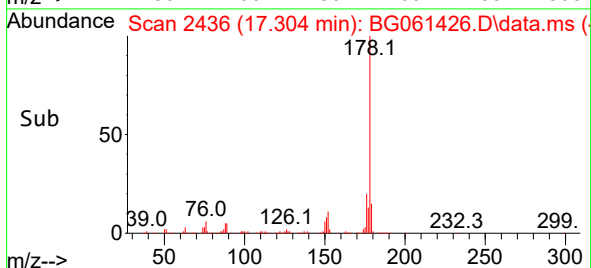
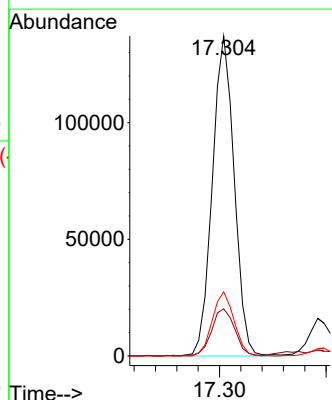
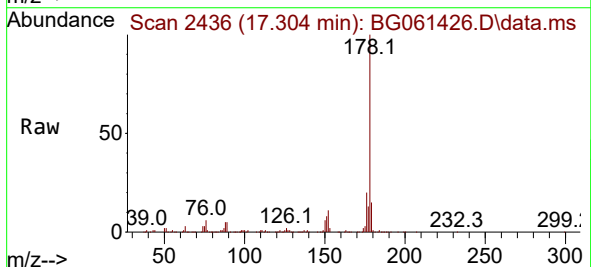
Manual Integrations
APPROVED

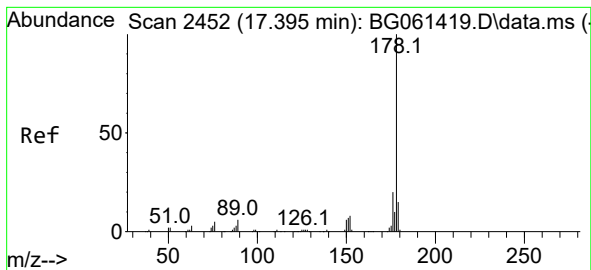
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#72
Phenanthrene
Concen: 14.266 ng/ul
RT: 17.304 min Scan# 2436
Delta R.T. 0.005 min
Lab File: BG061426.D
Acq: 3 Jun 2024 16:48

Tgt Ion:178 Resp: 194986
Ion Ratio Lower Upper
178 100
179 14.8 12.7 19.1
176 20.1 15.5 23.3





#74

Anthracene

Concen: 1.663 ng/ul

RT: 17.392 min Scan# 2452

Delta R.T. -0.001 min

Lab File: BG061426.D

Acq: 3 Jun 2024 16:48

Instrument :

BNA_G

ClientSampleId :

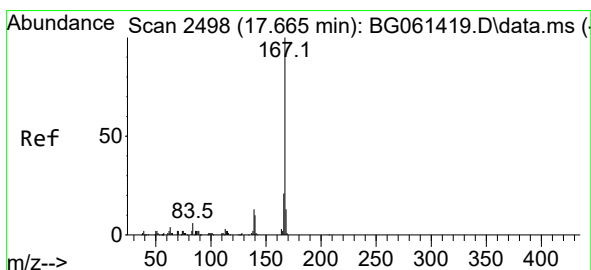
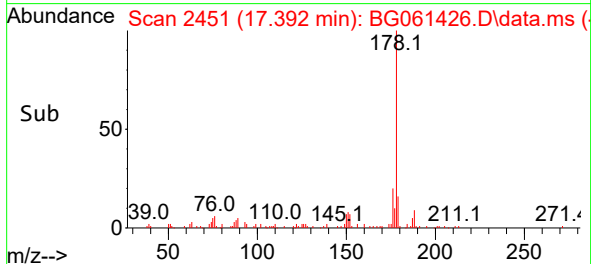
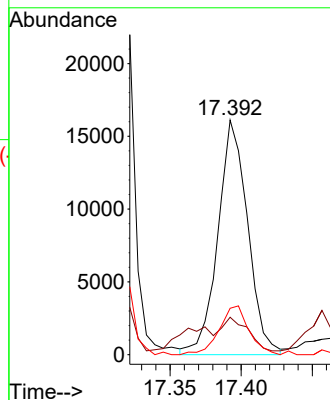
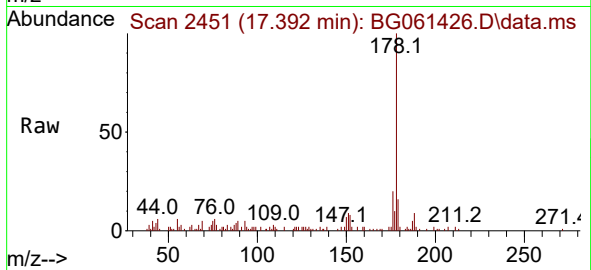
BHBN9

Tgt Ion:178	Resp:	23500
Ion Ratio	Lower	Upper
178	100	
179	16.0	11.8 17.6
176	19.8	14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#77

Carbazole

Concen: 1.742 ng/ul

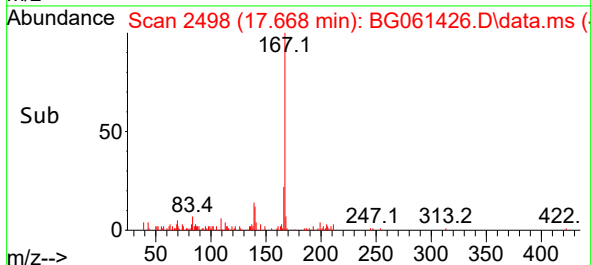
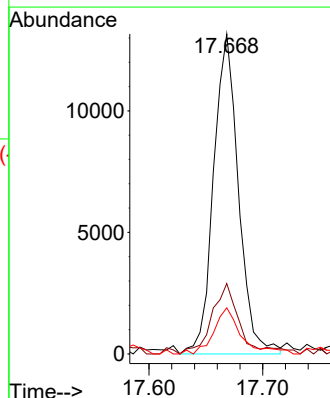
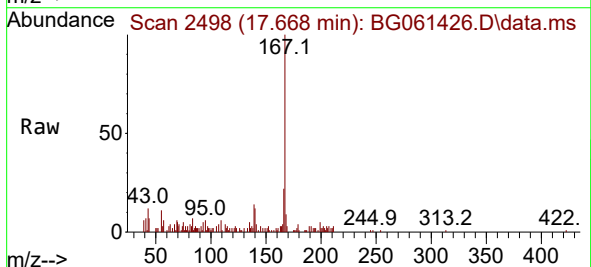
RT: 17.668 min Scan# 2498

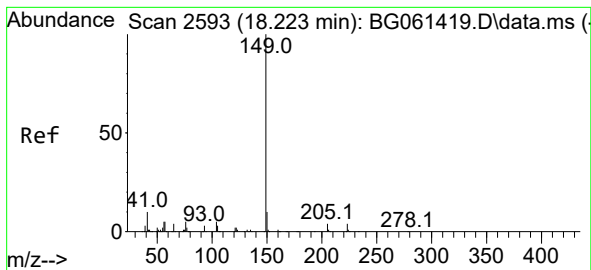
Delta R.T. 0.005 min

Lab File: BG061426.D

Acq: 3 Jun 2024 16:48

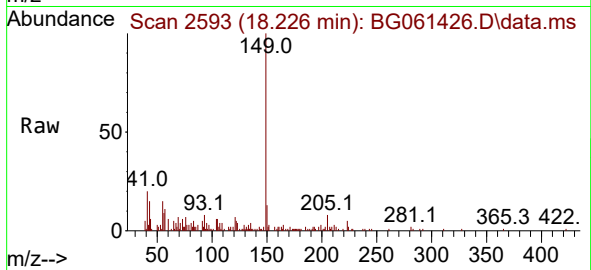
Tgt Ion:167	Resp:	20025
Ion Ratio	Lower	Upper
167	100	
166	22.0	18.6 28.0
139	14.4	10.6 15.8





#78
Di-n-butylphthalate
Concen: 1.555 ng/ul
RT: 18.226 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG061426.D
Acq: 3 Jun 2024 16:48

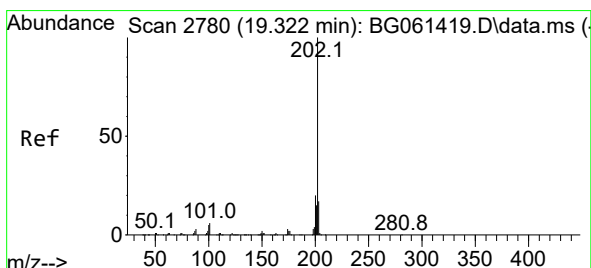
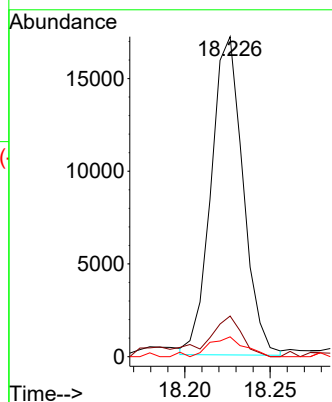
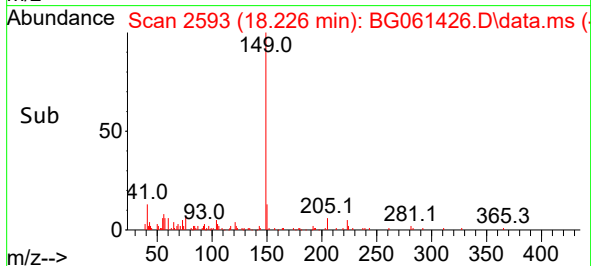
Instrument :
BNA_G
ClientSampleId :
BHBN9



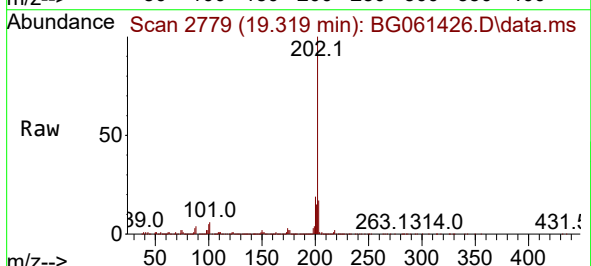
Tgt Ion:149 Resp: 22398
Ion Ratio Lower Upper
149 100
150 12.7 7.8 11.8
104 6.2 4.8 7.2

Manual Integrations
APPROVED

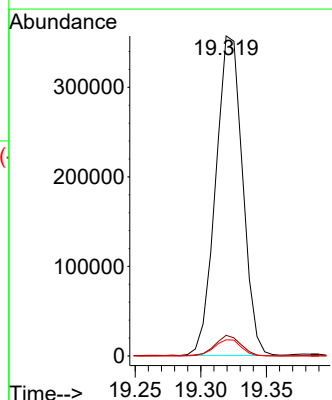
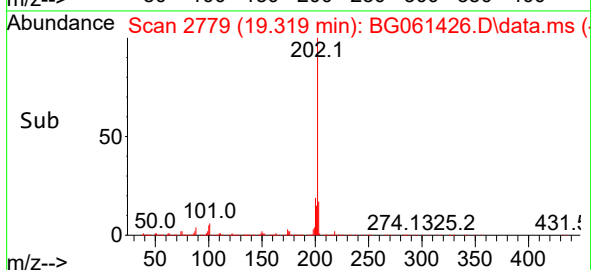
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

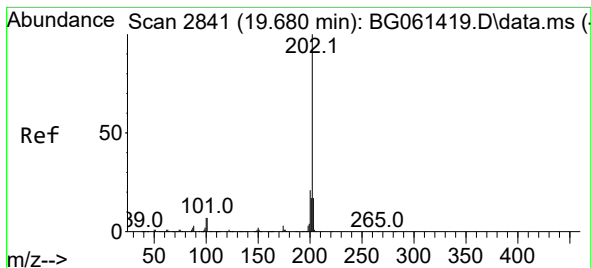


#80
Fluoranthene
Concen: 27.000 ng/ul
RT: 19.319 min Scan# 2779
Delta R.T. 0.005 min
Lab File: BG061426.D
Acq: 3 Jun 2024 16:48



Tgt Ion:202 Resp: 507939
Ion Ratio Lower Upper
202 100
101 6.5 4.8 7.2
100 5.1 4.1 6.1





#82

Pyrene

Concen: 23.429 ng/ul

RT: 19.684 min Scan# 2841

Delta R.T. 0.005 min

Lab File: BG061426.D

Acq: 3 Jun 2024 16:48

Instrument :

BNA_G

ClientSampleId :

BHBN9

Tgt Ion:202 Resp: 457519

Ion Ratio Lower Upper

202 100

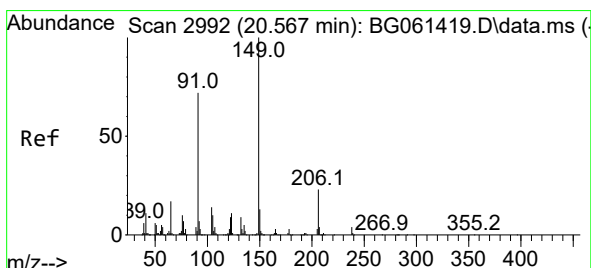
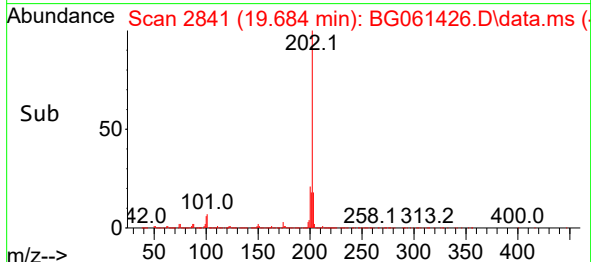
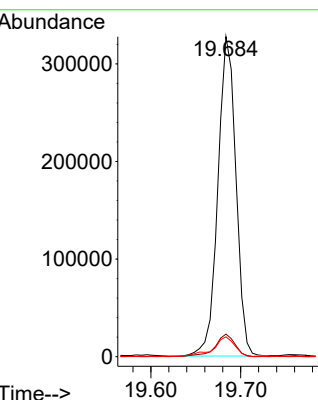
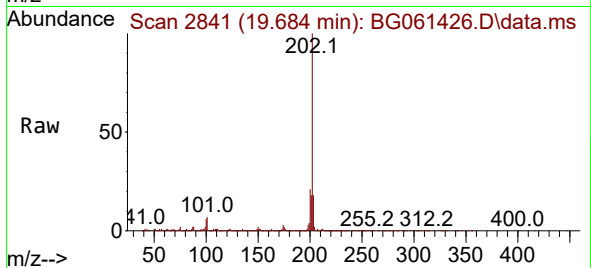
101 7.0 5.7 8.5

100 6.2 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#83

Butylbenzylphthalate

Concen: 4.421 ng/ul

RT: 20.571 min Scan# 2992

Delta R.T. -0.001 min

Lab File: BG061426.D

Acq: 3 Jun 2024 16:48

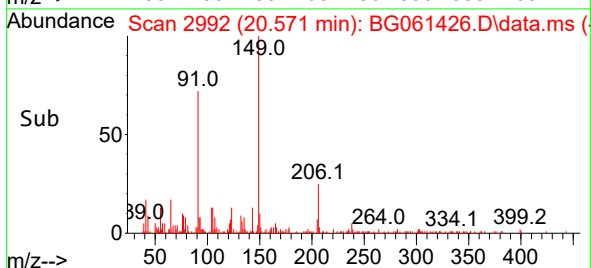
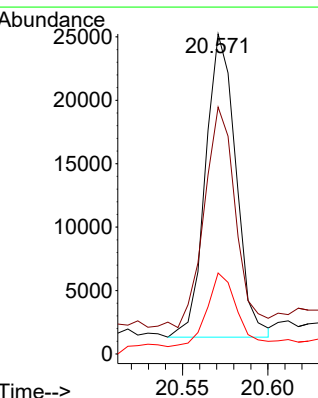
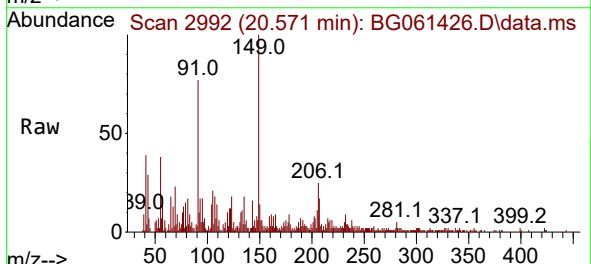
Tgt Ion:149 Resp: 29657

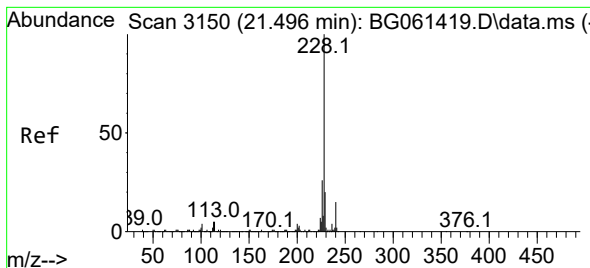
Ion Ratio Lower Upper

149 100

91 77.1 54.8 82.2

206 25.3 19.4 29.0





#85

Benzo(a)anthracene

Concen: 11.577 ng/ul

RT: 21.499 min Scan# 3150

Delta R.T. 0.005 min

Lab File: BG061426.D

Acq: 3 Jun 2024 16:48

Instrument :

BNA_G

ClientSampleId :

BHBN9

Tgt Ion:228 Resp: 24398

Ion Ratio Lower Upper

228 100

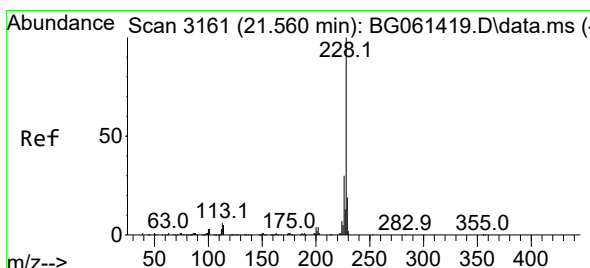
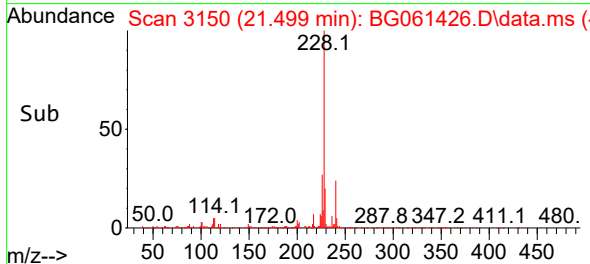
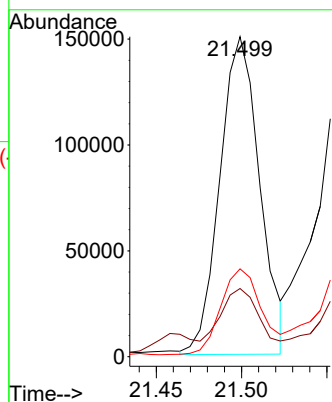
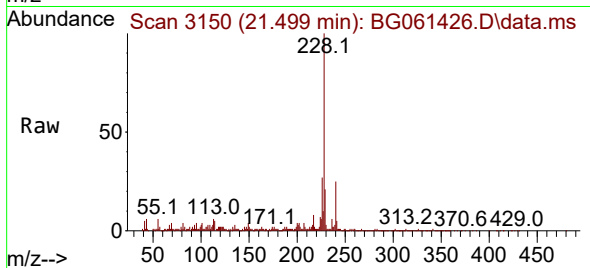
229 21.3 15.2 22.8

226 27.4 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#87

Chrysene

Concen: 15.709 ng/ul

RT: 21.564 min Scan# 3161

Delta R.T. 0.011 min

Lab File: BG061426.D

Acq: 3 Jun 2024 16:48

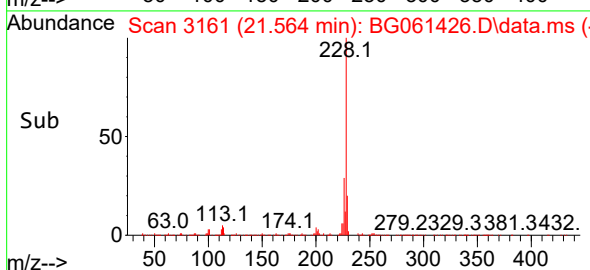
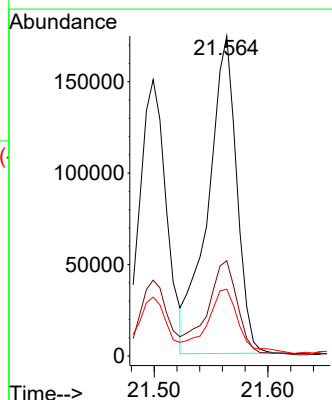
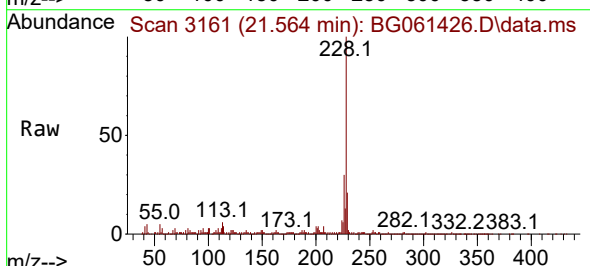
Tgt Ion:228 Resp: 304842

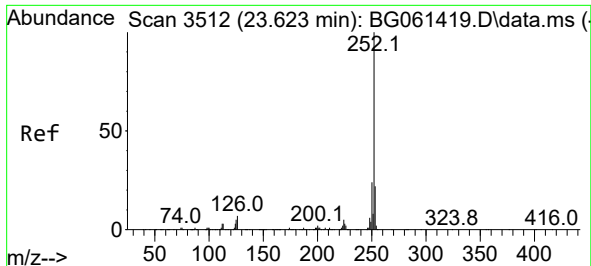
Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

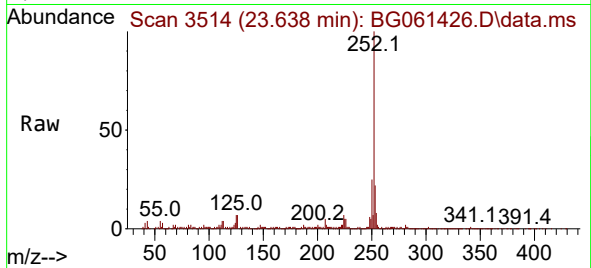
229 20.9 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 20.417 ng/ul
RT: 23.638 min Scan# 3514
Delta R.T. 0.022 min
Lab File: BG061426.D
Acq: 3 Jun 2024 16:48

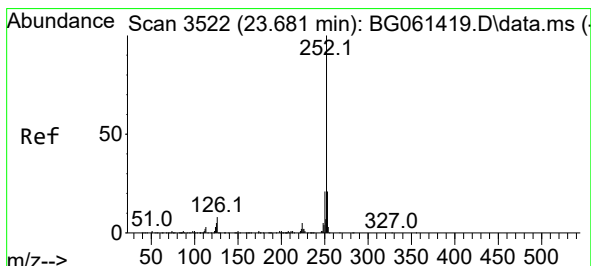
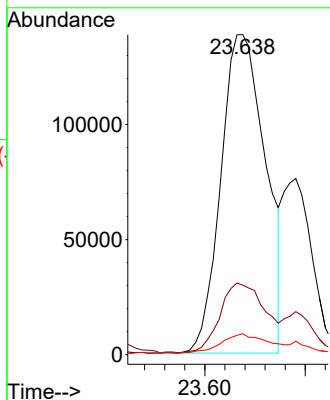
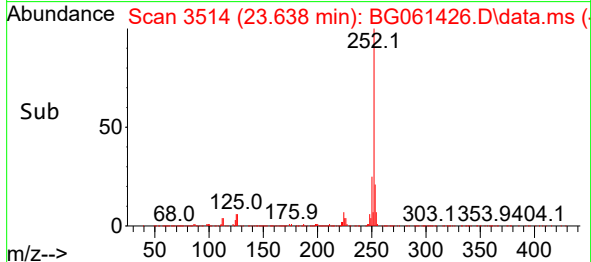
Instrument :
BNA_G
ClientSampleId :
BHBN9



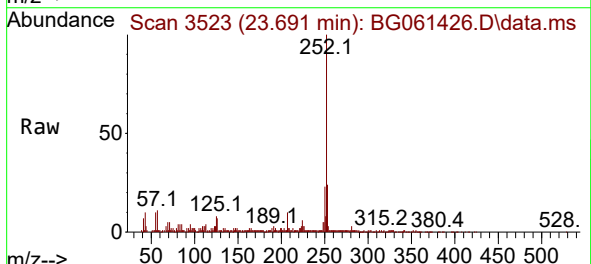
Tgt Ion:252 Resp: 427208
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 6.5 4.6 6.8

Manual Integrations
APPROVED

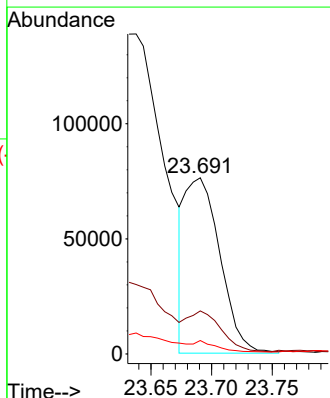
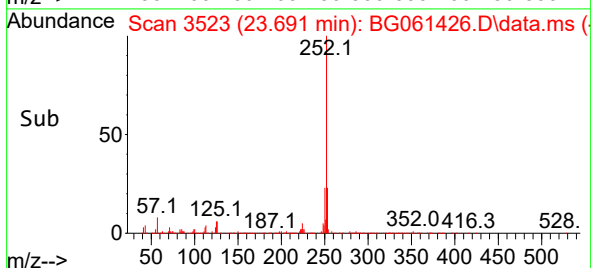
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

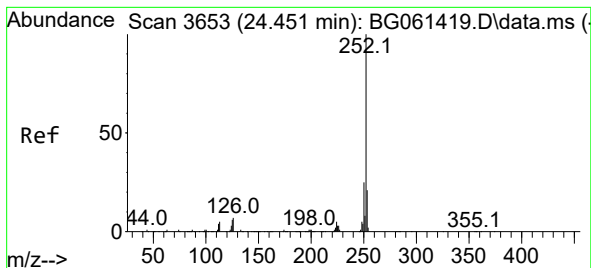


#91
Benzo(k)fluoranthene
Concen: 7.200 ng/ul m
RT: 23.691 min Scan# 3523
Delta R.T. 0.011 min
Lab File: BG061426.D
Acq: 3 Jun 2024 16:48



Tgt Ion:252 Resp: 152939
Ion Ratio Lower Upper
252 100
253 24.5 16.0 24.0#
125 7.6 4.3 6.5#





#93

Benzo(a)pyrene

Concen: 13.974 ng/ul

RT: 24.466 min Scan# 3655

Delta R.T. 0.016 min

Lab File: BG061426.D

Acq: 3 Jun 2024 16:48

Instrument :

BNA_G

ClientSampleId :

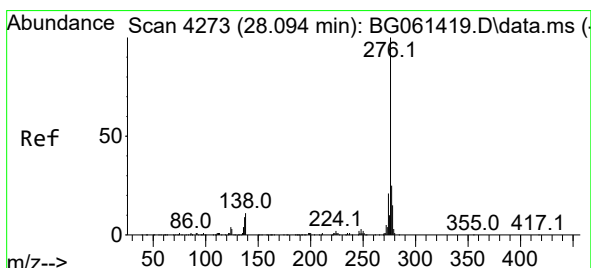
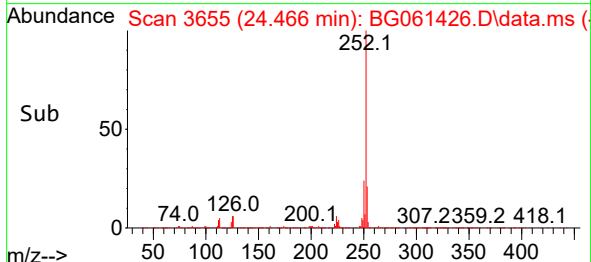
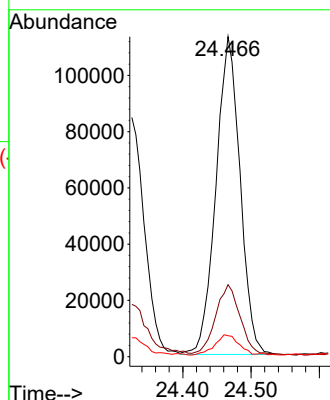
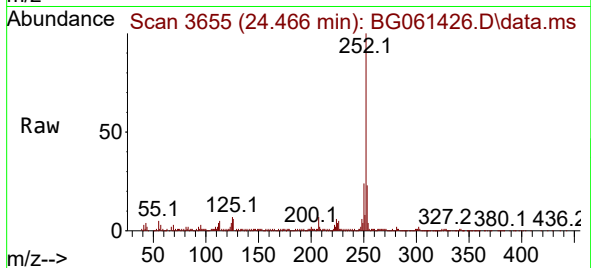
BHBN9

Tgt Ion:252 Resp: 27765
 Ion Ratio Lower Upper
 252 100
 253 22.5 16.4 24.6
 125 6.6 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.074 ng/ul

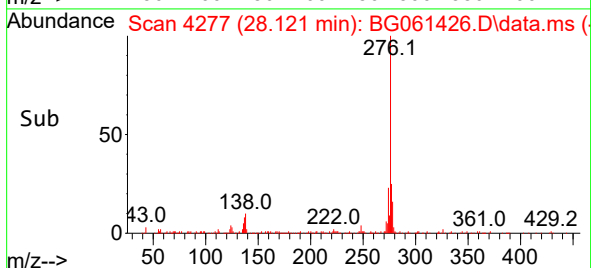
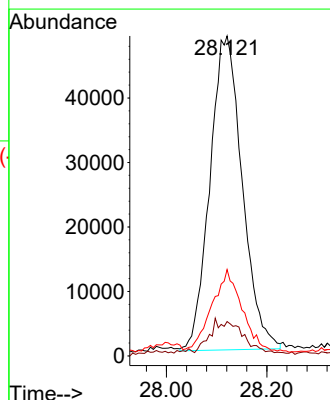
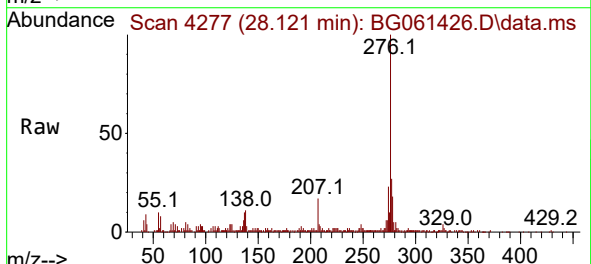
RT: 28.121 min Scan# 4277

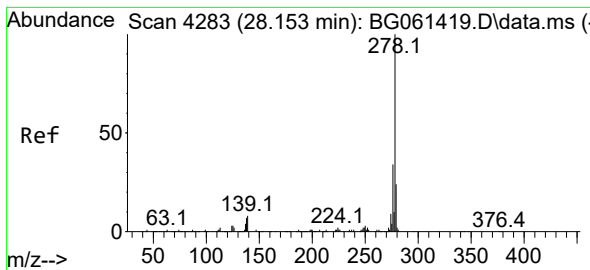
Delta R.T. 0.028 min

Lab File: BG061426.D

Acq: 3 Jun 2024 16:48

Tgt Ion:276 Resp: 218021
 Ion Ratio Lower Upper
 276 100
 138 10.7 8.6 13.0
 277 27.0 19.7 29.5





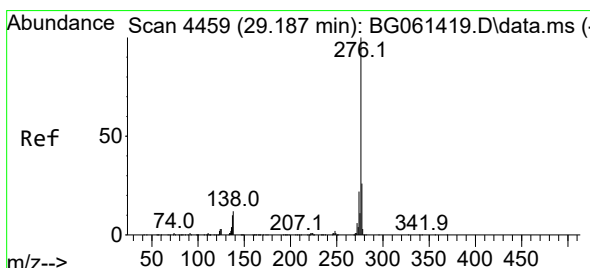
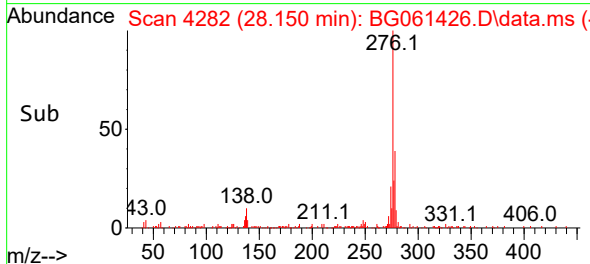
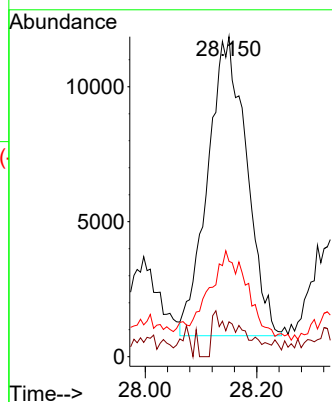
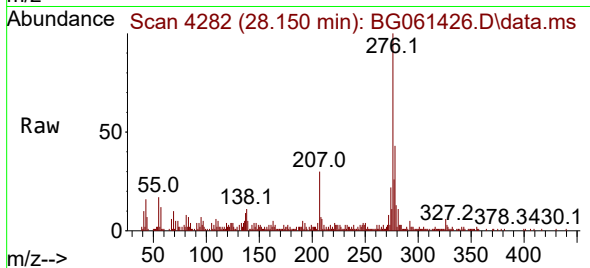
#95
Dibenzo(a,h)anthracene
Concen: 2.705 ng/ul m
RT: 28.150 min Scan# 41
Delta R.T. 0.011 min
Lab File: BG061426.D
Acq: 3 Jun 2024 16:48

Instrument :
BNA_G
ClientSampleId :
BHBN9

Tgt Ion:278 Resp: 53590
Ion Ratio Lower Upper
278 100
139 10.9 6.4 9.6
279 29.8 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#96
Benzo(g,h,i)perylene
Concen: 10.111 ng/ul m
RT: 29.219 min Scan# 4464
Delta R.T. 0.046 min
Lab File: BG061426.D
Acq: 3 Jun 2024 16:48

Tgt Ion:276 Resp: 193278
Ion Ratio Lower Upper
276 100
138 12.5 8.7 13.1
277 23.1 18.2 27.2

