

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061397.D
 Acq On : 31 May 2024 17:31
 Operator : MA/JU
 Sample : P2588-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5S4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024

Quant Time: May 31 23:22:39 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	7.871	152	23151	20.000	ng/u1	0.00
20) Naphthalene-d8	10.662	136	85785	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.505	164	68104	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.260	188	172402	20.000	ng/u1	0.00
79) Chrysene-d12	21.514	240	174916	20.000	ng/u1	0.00
88) Perylene-d12	24.593	264	198815	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.330	96	1612m	3.897	ng/uL	0.00
4) Pyridine-d5	3.741	84	22794	15.488	ng/u1	0.00
7) Phenol-d5	7.061	99	31861	16.759	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	20050	16.779	ng/u1	0.00
11) 2-Chlorophenol-d4	7.413	132	25912	18.416	ng/u1	0.00
15) 4-Methylphenol-d8	8.588	113	26776	16.517	ng/u1	0.00
21) Nitrobenzene-d5	9.023	128	13162	19.928	ng/u1	0.00
24) 2-Nitrophenol-d4	9.752	143	15621	20.208	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.298	165	30842	20.466	ng/u1	0.00
31) 4-Chloroaniline-d4	10.803	131	35006	17.756	ng/u1	0.00
46) Dimethylphthalate-d6	13.911	166	120511	22.815	ng/u1	0.00
49) Acenaphthylene-d8	14.199	160	123351	22.463	ng/u1	0.00
54) 4-Nitrophenol-d4	14.746	143	14651	22.436	ng/u1	0.00
60) Fluorene-d10	15.504	176	111164	24.377	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.639	200	19761	18.951	ng/u1	0.00
73) Anthracene-d10	17.354	188	202709	26.670	ng/u1	0.00
81) Pyrene-d10	19.652	212	249874	27.822	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.381	264	267264	27.962	ng/u1	0.00
Target Compounds					Qvalue	
72) Phenanthrene	17.302	178	146493	17.507	ng/u1	98
74) Anthracene	17.390	178	32235m	3.726	ng/u1	
77) Carbazole	17.666	167	20653	2.935	ng/u1	93
80) Fluoranthene	19.317	202	453228	42.067	ng/u1	99
82) Pyrene	19.681	202	401200	35.874	ng/u1	99
85) Benzo(a)anthracene	21.491	228	288417	23.897	ng/u1	97
87) Chrysene	21.555	228	282760	25.444	ng/u1	96
90) Benzo(b)fluoranthene	23.624	252	366046	30.923	ng/u1	98
91) Benzo(k)fluoranthene	23.676	252	111494	9.278	ng/u1	96
93) Benzo(a)pyrene	24.452	252	248976	22.150	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.083	276	151709	11.161	ng/u1	99
95) Dibenzo(a,h)anthracene	28.124	278	41559	3.708	ng/u1#	94
96) Benzo(g,h,i)perylene	29.164	276	141258m	13.063	ng/u1	

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

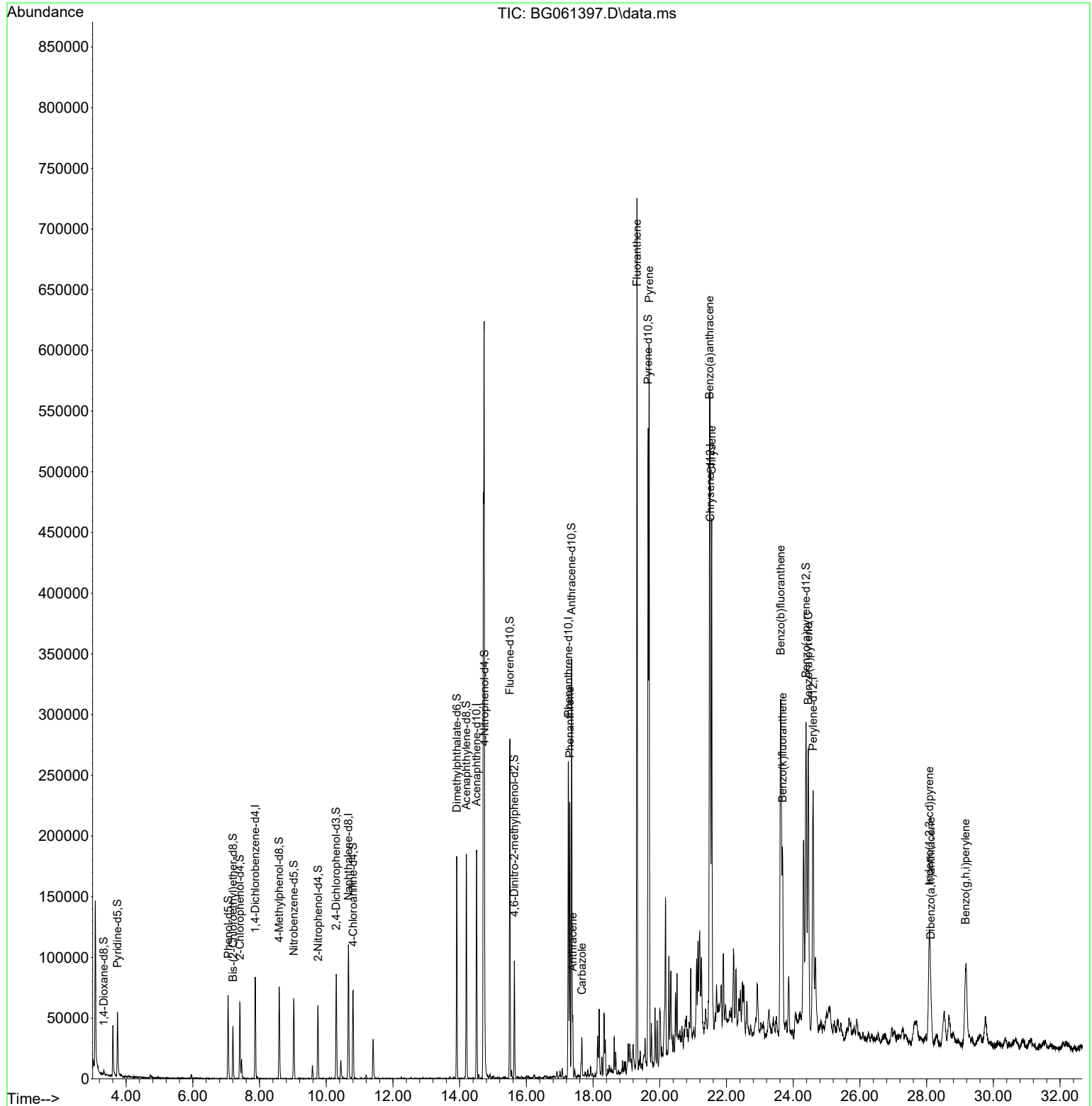
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061397.D
 Acq On : 31 May 2024 17:31
 Operator : MA/JU
 Sample : P2588-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

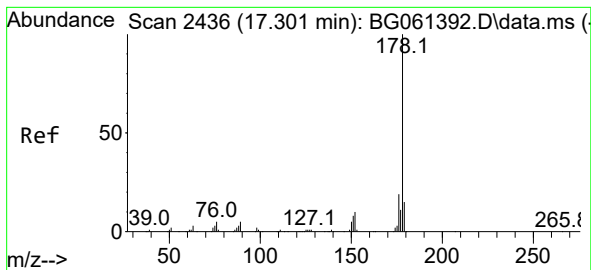
Instrument :
 BNA_G
 ClientSampleId :
 BH5S4

Quant Time: May 31 23:22:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
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#72

Phenanthrene

Concen: 17.507 ng/ul

RT: 17.302 min Scan# 2436

Delta R.T. 0.002 min

Lab File: BG061397.D

Acq: 31 May 2024 17:31

Instrument :

BNA_G

ClientSampleId :

BH5S4

Tgt Ion:178 Resp: 14649

Ion Ratio Lower Upper

178 100

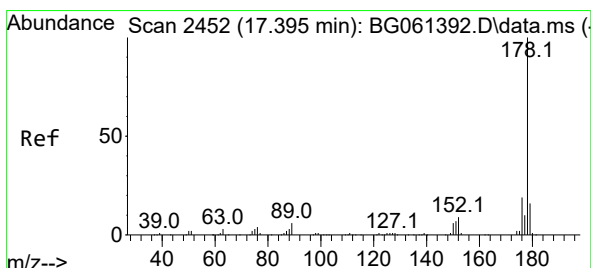
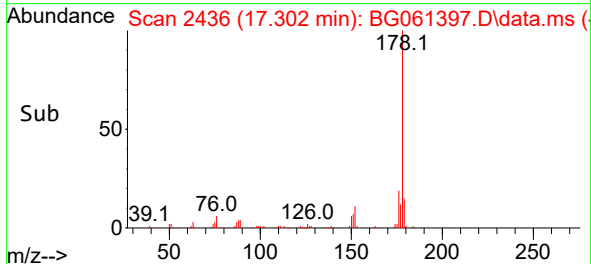
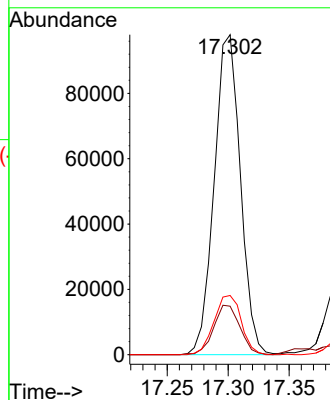
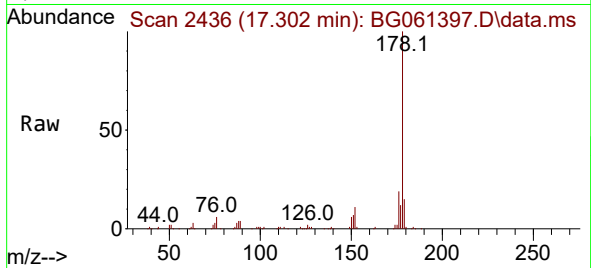
179 15.2 12.7 19.1

176 18.5 15.5 23.3

Manual Integrations

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#74

Anthracene

Concen: 3.726 ng/ul m

RT: 17.390 min Scan# 2451

Delta R.T. -0.004 min

Lab File: BG061397.D

Acq: 31 May 2024 17:31

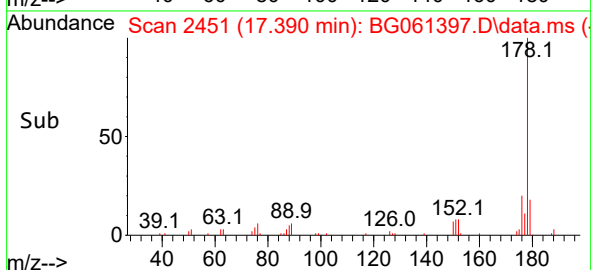
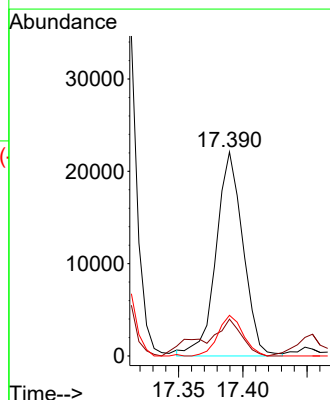
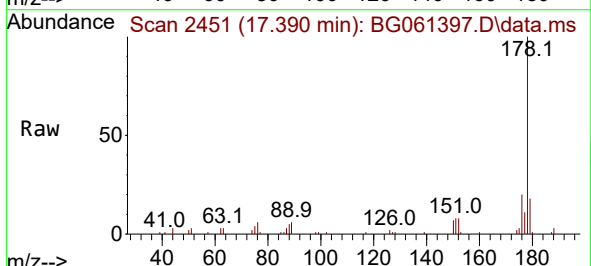
Tgt Ion:178 Resp: 32235

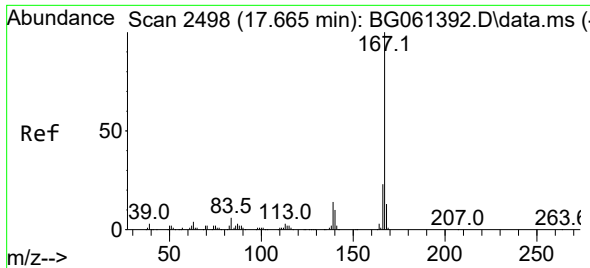
Ion Ratio Lower Upper

178 100

179 18.1 11.8 17.6#

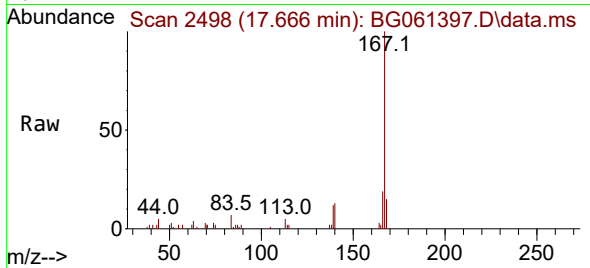
176 19.9 14.9 22.3





#77
 Carbazole
 Concen: 2.935 ng/ul
 RT: 17.666 min Scan# 2498
 Delta R.T. 0.002 min
 Lab File: BG061397.D
 Acq: 31 May 2024 17:31

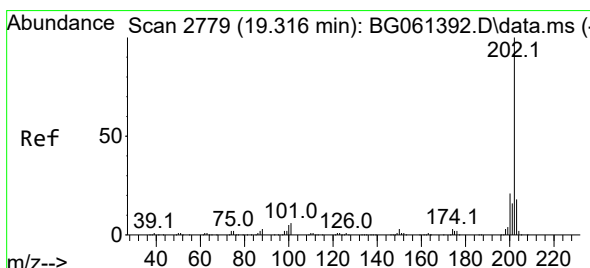
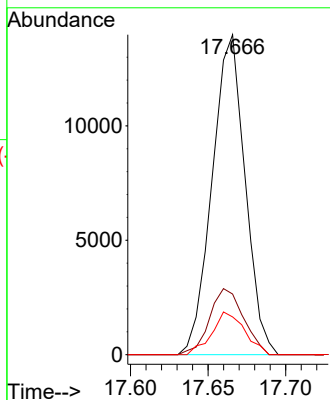
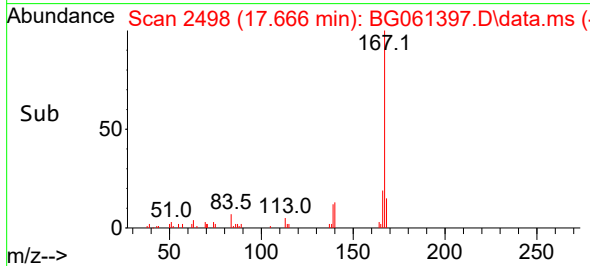
Instrument :
 BNA_G
 ClientSampleId :
 BH5S4



Tgt Ion:167 Resp: 2065
 Ion Ratio Lower Upper
 167 100
 166 19.0 18.6 28.0
 139 11.8 10.6 15.8

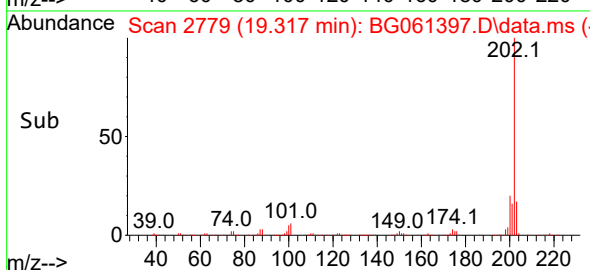
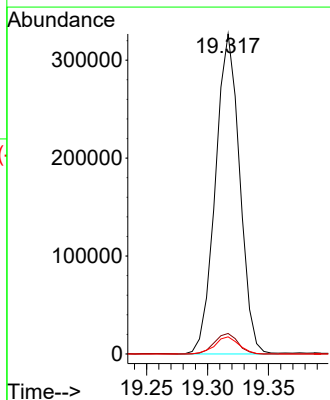
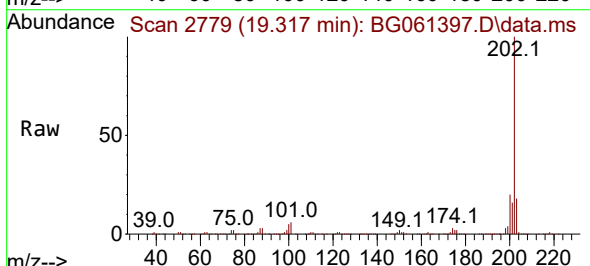
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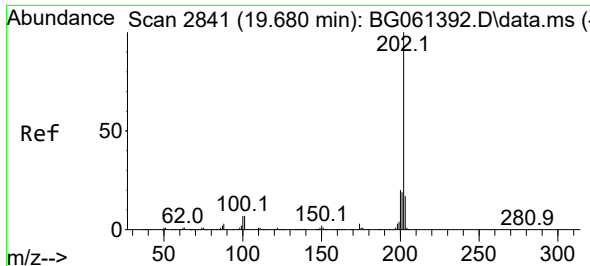
Reviewed By :Jagrut Upadhyay 06/03/2024
 Supervised By :mohammad ahmed 06/04/2024



#80
 Fluoranthene
 Concen: 42.067 ng/ul
 RT: 19.317 min Scan# 2779
 Delta R.T. 0.002 min
 Lab File: BG061397.D
 Acq: 31 May 2024 17:31

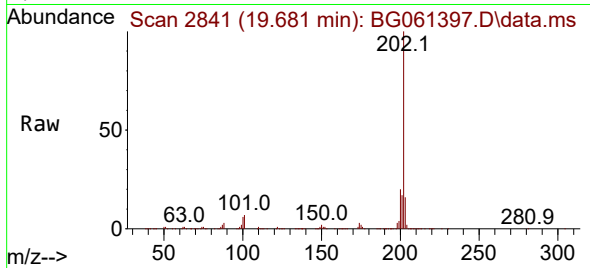
Tgt Ion:202 Resp: 453228
 Ion Ratio Lower Upper
 202 100
 101 6.4 4.8 7.2
 100 5.3 4.1 6.1





#82
Pyrene
Concen: 35.874 ng/ul
RT: 19.681 min Scan# 2149
Delta R.T. 0.002 min
Lab File: BG061397.D
Acq: 31 May 2024 17:31

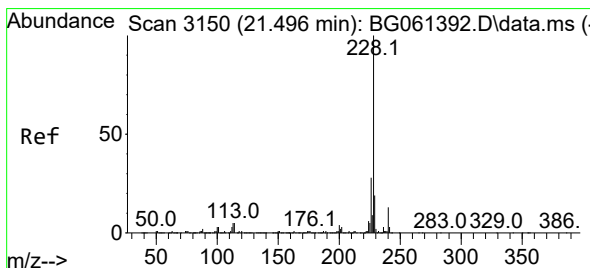
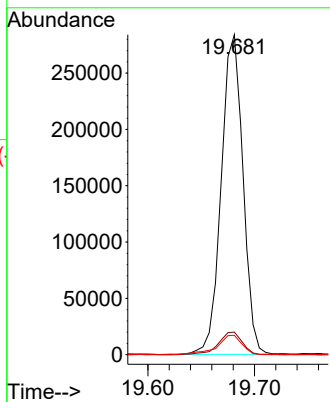
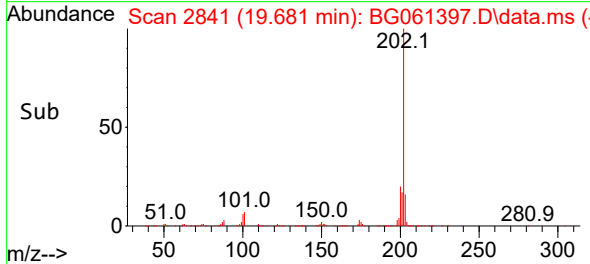
Instrument :
BNA_G
ClientSampleId :
BH5S4



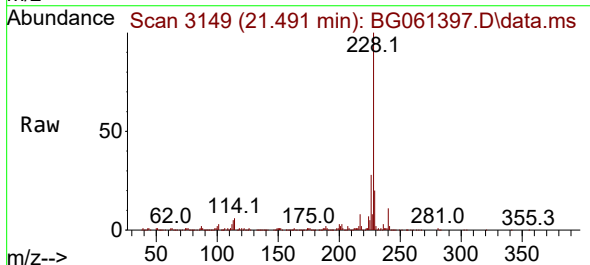
Tgt Ion:202 Resp: 401200
Ion Ratio Lower Upper
202 100
101 7.1 5.7 8.5
100 6.1 5.1 7.7

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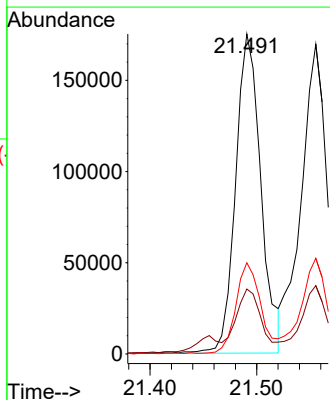
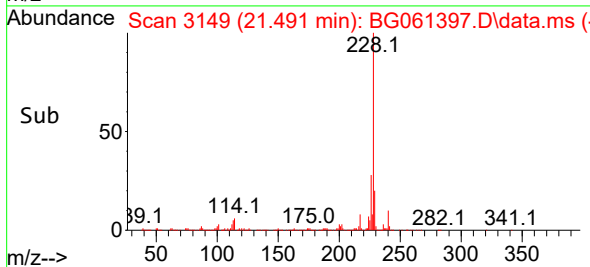
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

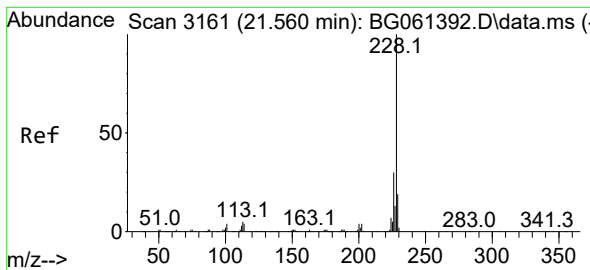


#85
Benzo(a)anthracene
Concen: 23.897 ng/ul
RT: 21.491 min Scan# 3149
Delta R.T. -0.004 min
Lab File: BG061397.D
Acq: 31 May 2024 17:31



Tgt Ion:228 Resp: 288417
Ion Ratio Lower Upper
228 100
229 20.3 15.2 22.8
226 28.5 21.4 32.2





#87

Chrysene

Concen: 25.444 ng/ul

RT: 21.555 min Scan# 3160

Delta R.T. 0.002 min

Lab File: BG061397.D

Acq: 31 May 2024 17:31

Instrument :

BNA_G

ClientSampleId :

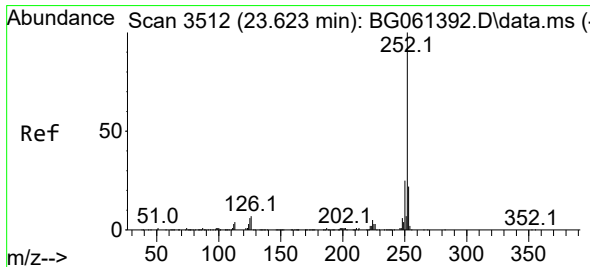
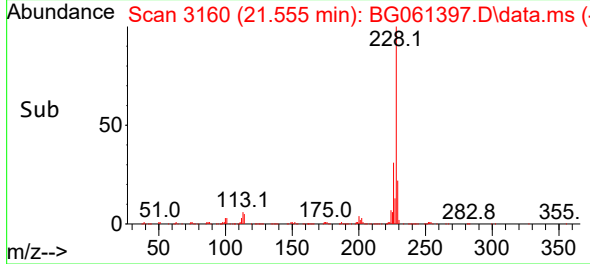
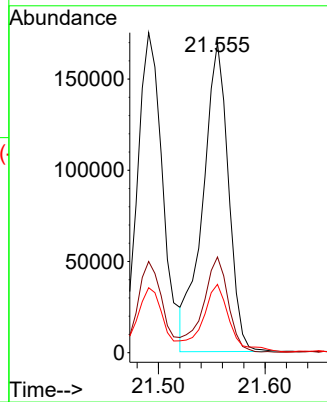
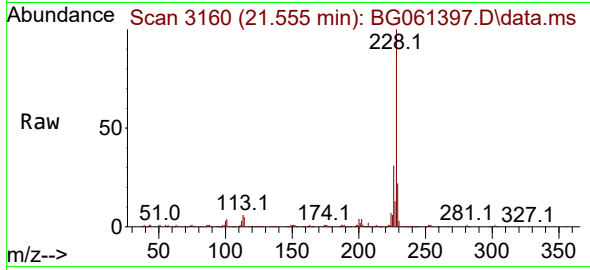
BH5S4

Tgt Ion	228	Resp: Lower	282760
	Ratio		Upper
228	100		
226	30.9	23.4	35.0
229	22.1	15.4	23.2

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 30.923 ng/ul

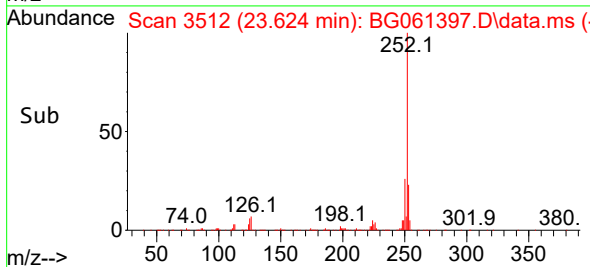
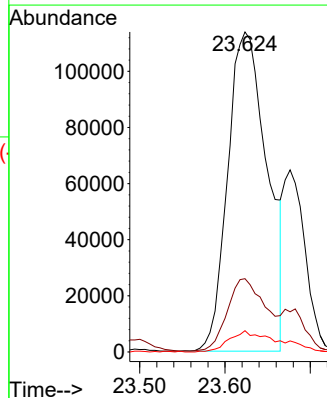
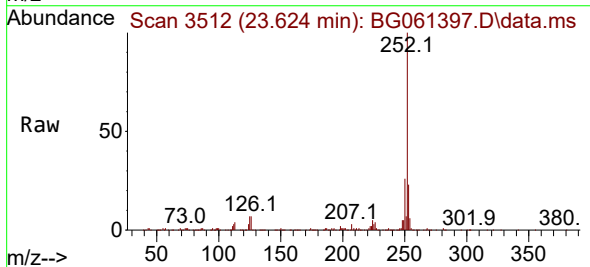
RT: 23.624 min Scan# 3512

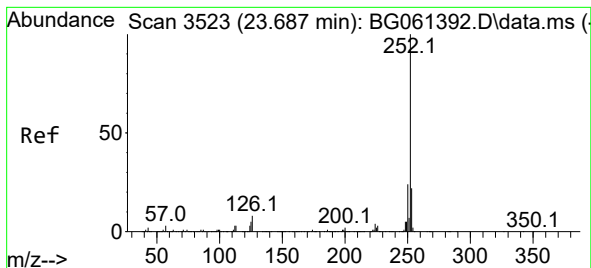
Delta R.T. 0.008 min

Lab File: BG061397.D

Acq: 31 May 2024 17:31

Tgt	Ion:252	Resp:	366046
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	6.7	4.6	6.8





#91

Benzo(k)fluoranthene

Concen: 9.278 ng/ul

RT: 23.676 min Scan# 3

Delta R.T. -0.004 min

Lab File: BG061397.D

Acq: 31 May 2024 17:31

Instrument :

BNA_G

ClientSampleId :

BH5S4

Tgt Ion:252 Resp: 111494

Ion Ratio Lower Upper

252 100

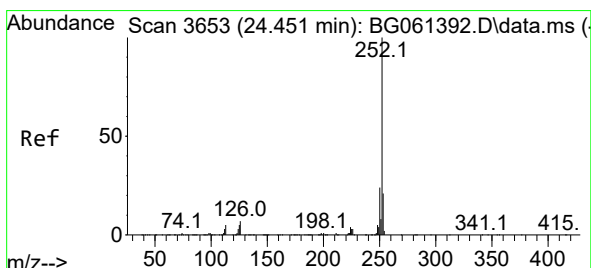
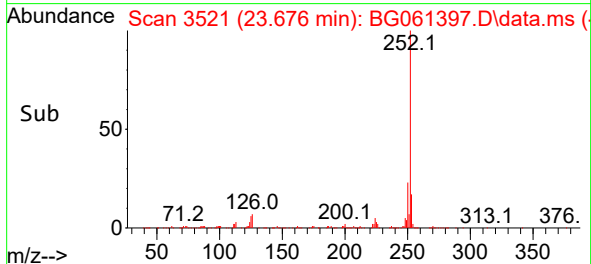
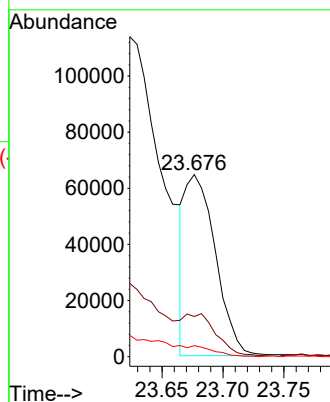
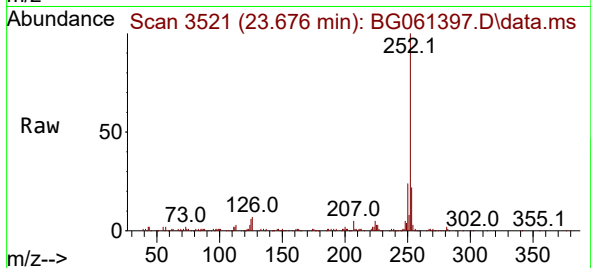
253 22.1 16.0 24.0

125 6.1 4.3 6.5

Manual Integrations

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Supervised By :mohammad ahmed 06/04/2024



#93

Benzo(a)pyrene

Concen: 22.150 ng/ul

RT: 24.452 min Scan# 3653

Delta R.T. 0.002 min

Lab File: BG061397.D

Acq: 31 May 2024 17:31

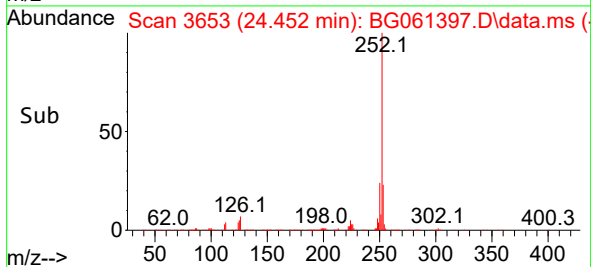
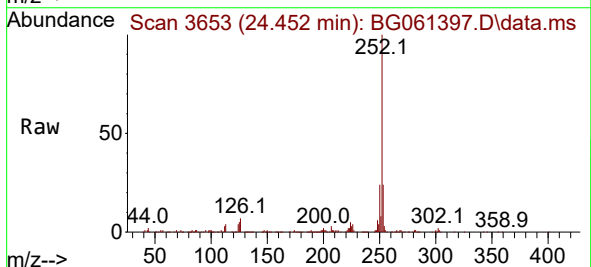
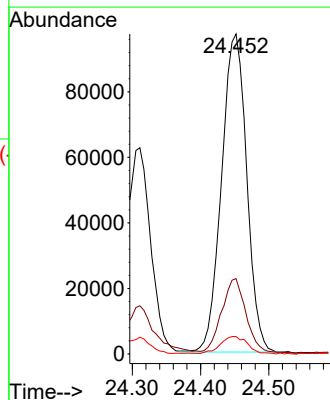
Tgt Ion:252 Resp: 248976

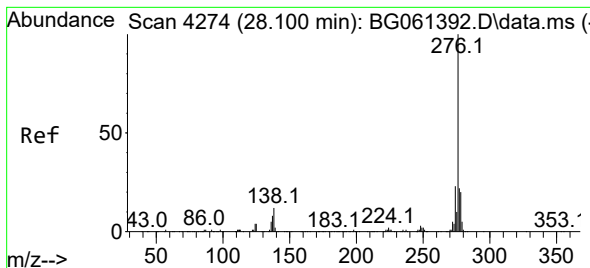
Ion Ratio Lower Upper

252 100

253 23.5 16.4 24.6

125 5.4 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 11.161 ng/ul

RT: 28.083 min Scan# 41

Delta R.T. -0.010 min

Lab File: BG061397.D

Acq: 31 May 2024 17:31

Instrument :

BNA_G

ClientSampleId :

BH5S4

Tgt Ion:276 Resp: 151709

Ion Ratio Lower Upper

276 100

138 10.9 8.6 13.0

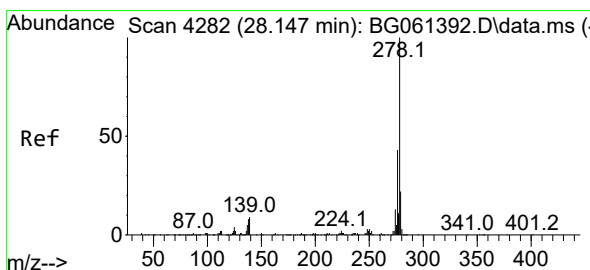
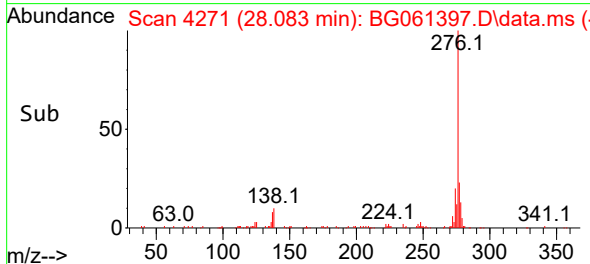
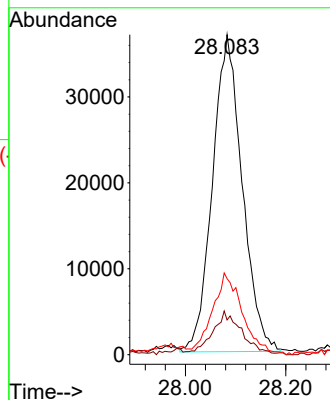
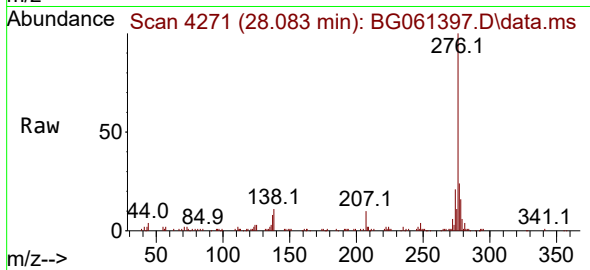
277 23.8 19.7 29.5

Manual Integrations

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Supervised By :mohammad ahmed 06/04/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.708 ng/ul

RT: 28.124 min Scan# 4278

Delta R.T. -0.015 min

Lab File: BG061397.D

Acq: 31 May 2024 17:31

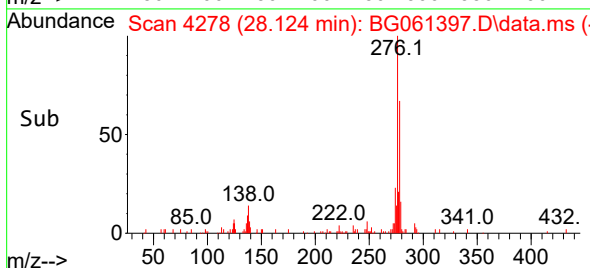
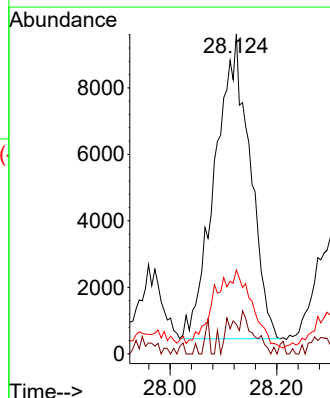
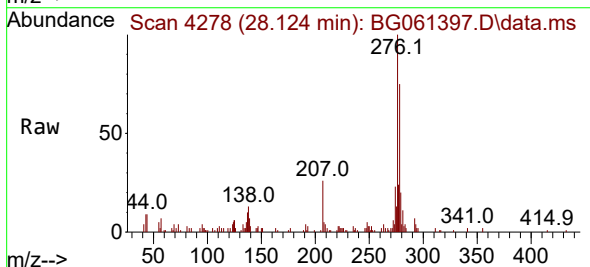
Tgt Ion:278 Resp: 41559

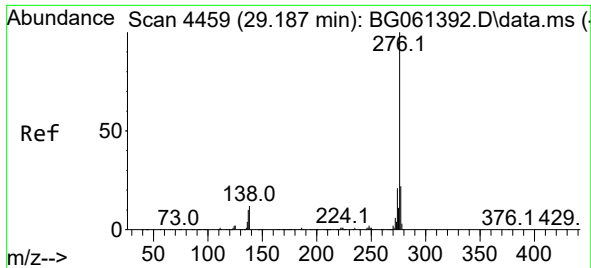
Ion Ratio Lower Upper

278 100

139 13.4 6.4 9.6#

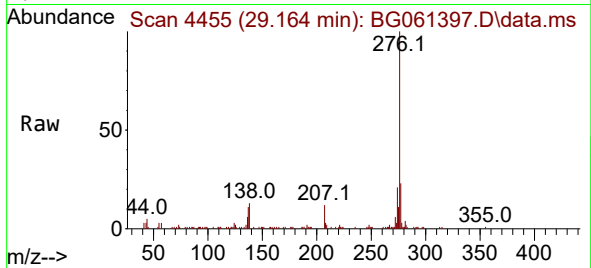
279 26.2 19.9 29.9





#96
Benzo(g,h,i)perylene
Concen: 13.063 ng/ul m
RT: 29.164 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG061397.D
Acq: 31 May 2024 17:31

Instrument :
BNA_G
ClientSampleId :
BH5S4



Tgt Ion:276 Resp: 141258
Ion Ratio Lower Upper
276 100
138 12.9 8.7 13.1
277 23.1 18.2 27.2

Manual Integrations
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