

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061074.D
 Acq On : 1 May 2024 13:19
 Operator : MA/JU
 Sample : P2307-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 01 14:06:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	30317	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	115615	20.000	ng	-0.03
39) Acenaphthene-d10	14.557	164	82706	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	188519	20.000	ng	-0.03
76) Chrysene-d12	21.578	240	202795	20.000	ng	-0.01
86) Perylene-d12	24.709	264	245230	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	140367	94.162	ng	-0.03
7) Phenol-d6	7.106	99	193077	87.554	ng	-0.03
23) Nitrobenzene-d5	9.087	82	140113	60.076	ng	-0.03
42) 2,4,6-Tribromophenol	16.049	330	149481	90.422	ng	-0.03
45) 2-Fluorobiphenyl	13.182	172	378574	67.686	ng	-0.03
79) Terphenyl-d14	19.927	244	683776	56.077	ng	-0.03
Target Compounds						Qvalue
31) Naphthalene	10.779	128	12683	2.111	ng	97
49) Acenaphthylene	14.286	152	70221m	10.767	ng	
52) Acenaphthene	14.621	154	27397	6.734	ng	83
55) Dibenzofuran	14.956	168	33359	4.854	ng	# 91
58) Fluorene	15.608	166	72320	12.162	ng	94
71) Phenanthrene	17.359	178	1684335	195.401	ng	99
72) Anthracene	17.441	178	439562	51.105	ng	99
73) Carbazole	17.712	167	96376	12.744	ng	96
75) Fluoranthene	19.386	202	4599329	389.476	ng	82
78) Pyrene	19.745	202	4404774	341.643	ng	# 83
81) Benzo(a)anthracene	21.560	228	2651894	199.835	ng	93
83) Chrysene	21.631	228	2421281m	194.746	ng	
87) Indeno(1,2,3-cd)pyrene	28.282	276	1630800	100.346	ng	93
88) Benzo(b)fluoranthene	23.740	252	3176179	231.778	ng	99
89) Benzo(k)fluoranthene	23.793	252	1085599m	82.346	ng	
90) Benzo(a)pyrene	24.586	252	2419509	202.661	ng	98
91) Dibenzo(a,h)anthracene	28.305	278	348229m	25.874	ng	
92) Benzo(g,h,i)perylene	29.398	276	1619783	121.108	ng	100

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

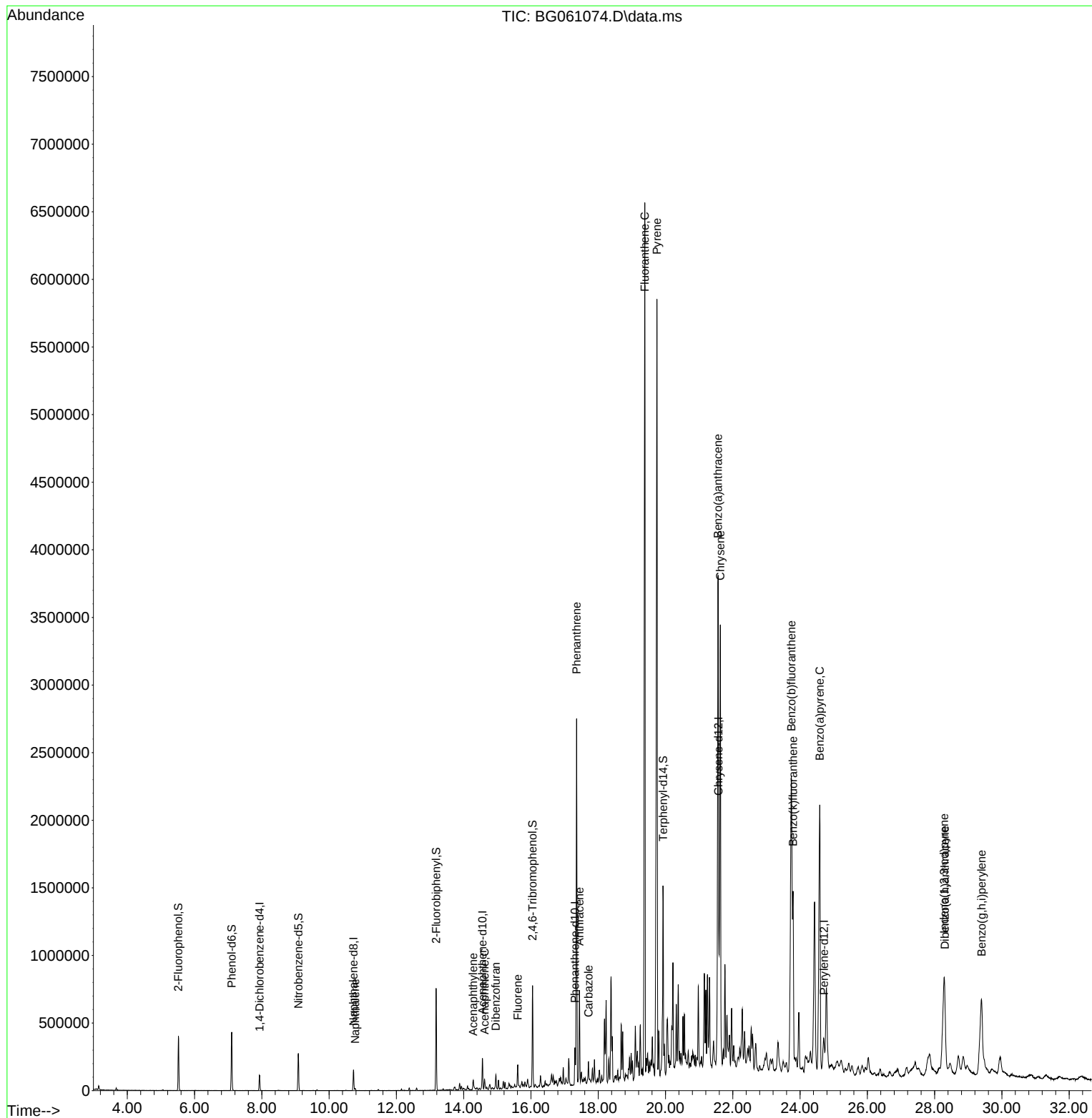
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061074.D
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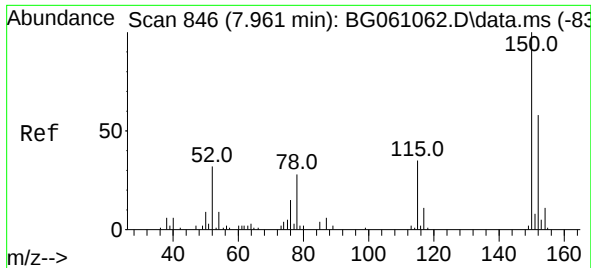
Instrument :
BNA_G
ClientSampleId :
WC-2

Quant Time: May 01 14:06:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

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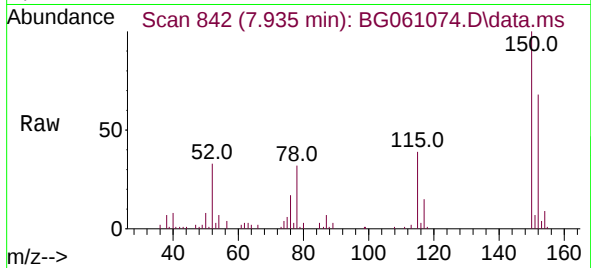
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

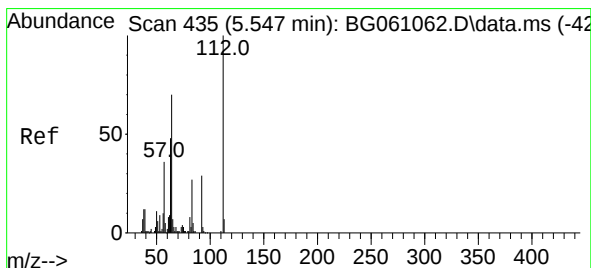
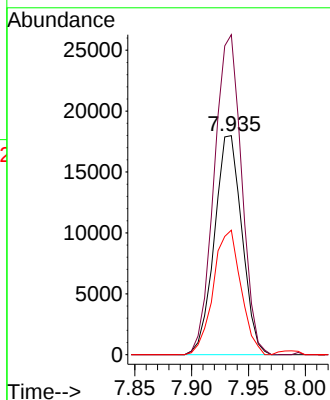
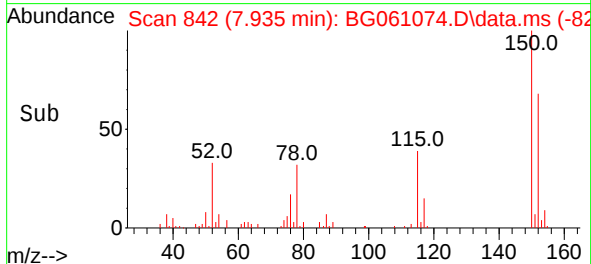
Instrument :
BNA_G
ClientSampleId :
WC-2



Tgt Ion:152 Resp: 3031
Ion Ratio Lower Upper
152 100
150 146.1 138.3 207.5
115 56.8 48.0 72.0

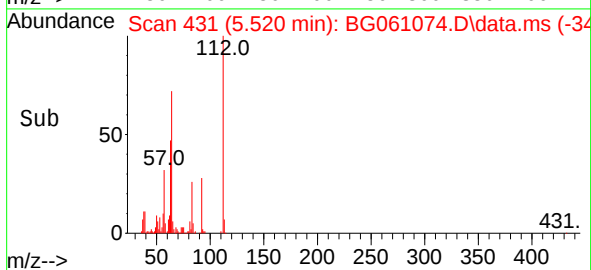
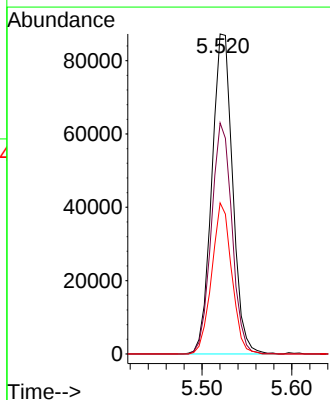
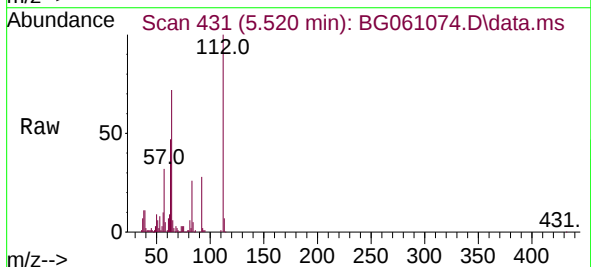
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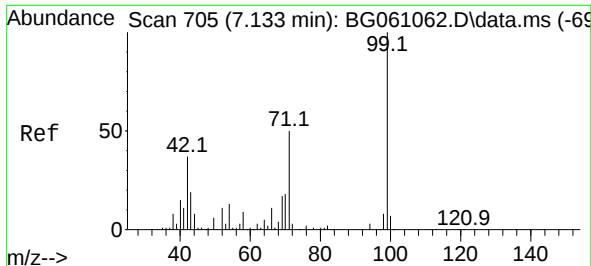
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 94.162 ng
RT: 5.520 min Scan# 431
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:112 Resp: 140367
Ion Ratio Lower Upper
112 100
64 72.2 55.7 83.5
63 47.2 38.1 57.1





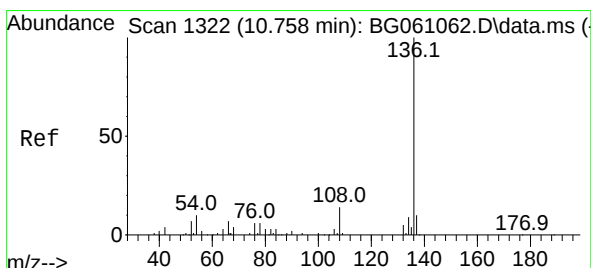
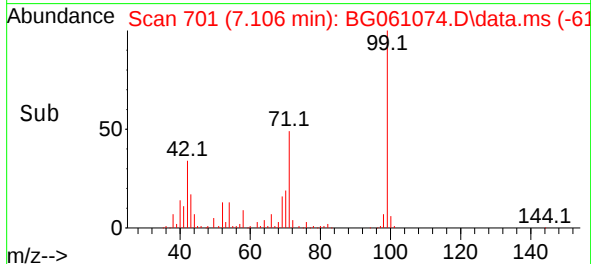
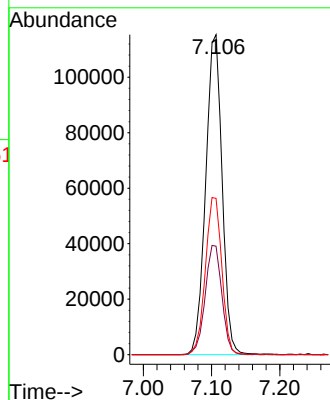
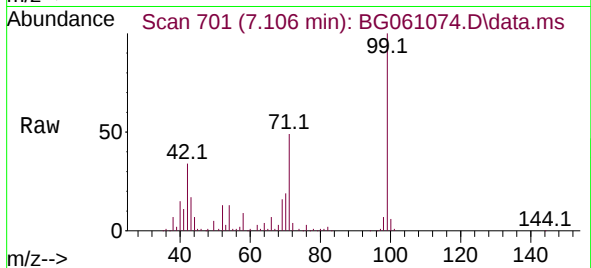
#7
Phenol-d6
Concen: 87.554 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Instrument :
BNA_G
ClientSampleId :
WC-2

Tgt Ion: 99 Resp: 19307
Ion Ratio Lower Upper
99 100
42 33.9 29.2 43.8
71 48.8 39.7 59.5

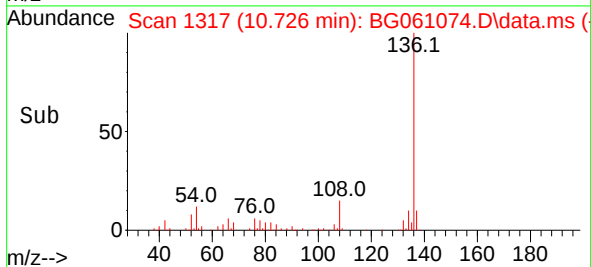
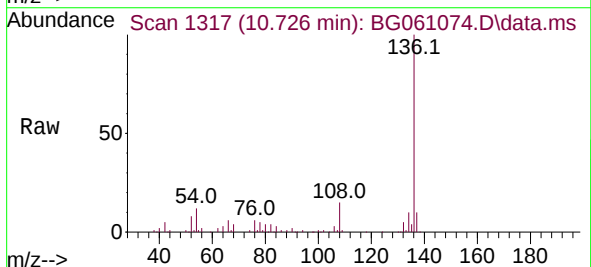
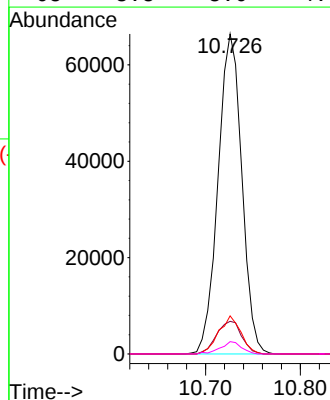
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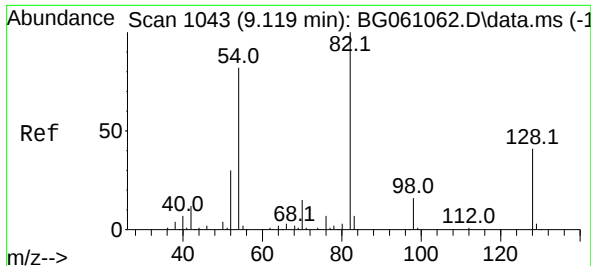
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:136 Resp: 115615
Ion Ratio Lower Upper
136 100
137 10.2 7.8 11.6
54 11.9 8.1 12.1
68 3.8 3.0 4.4





#23
Nitrobenzene-d5
Concen: 60.076 ng
RT: 9.087 min Scan# 1043
Delta R.T. -0.032 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

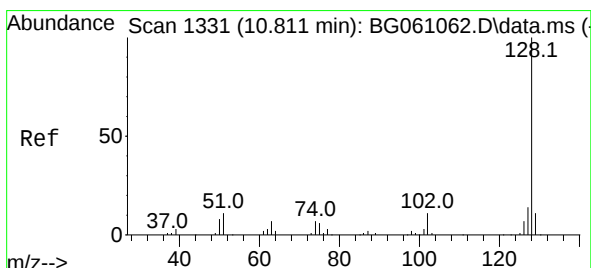
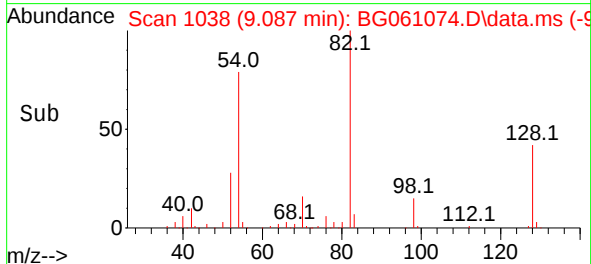
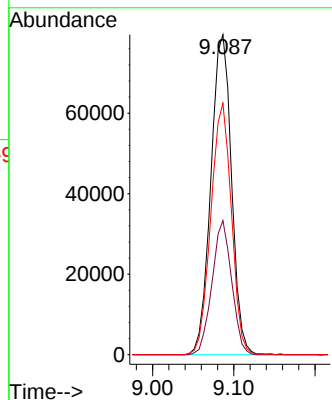
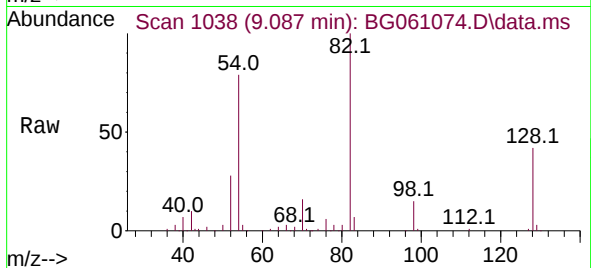
WC-2

Tgt Ion: 82 Resp: 14011
Ion Ratio Lower Upper
82 100
128 41.9 32.7 49.1
54 78.6 65.6 98.4

Manual Integrations

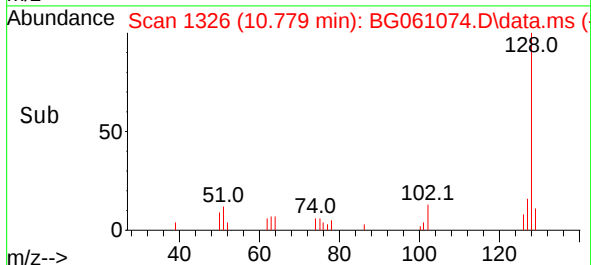
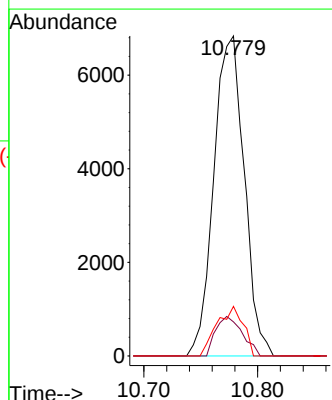
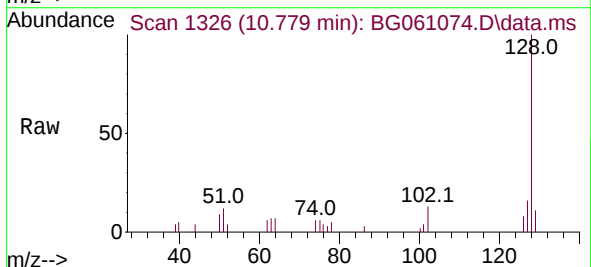
APPROVED

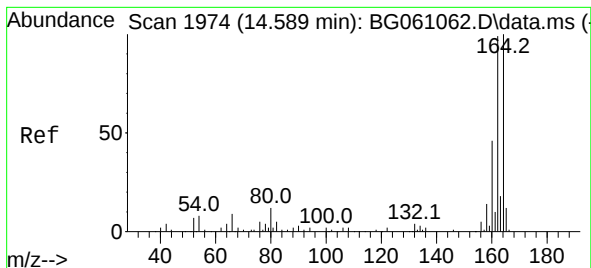
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#31
Naphthalene
Concen: 2.111 ng
RT: 10.779 min Scan# 1326
Delta R.T. -0.032 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:128 Resp: 12683
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 15.5 11.1 16.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

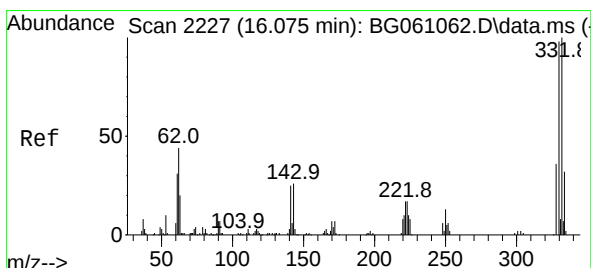
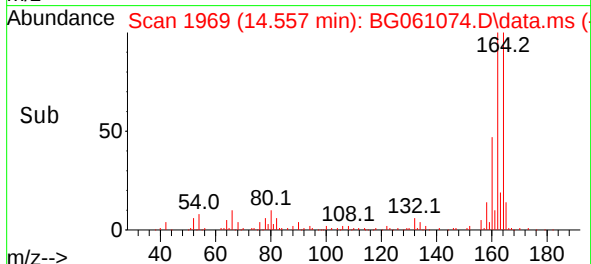
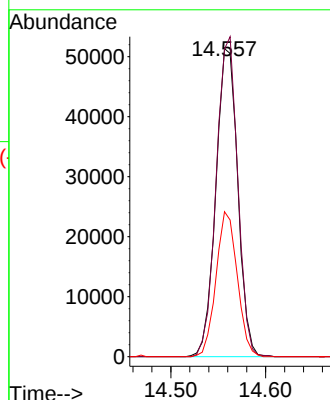
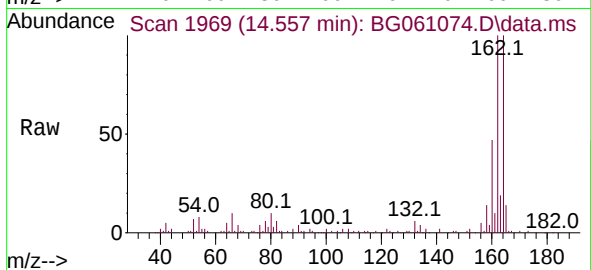
WC-2

Tgt Ion:164 Resp: 82700
 Ion Ratio Lower Upper
 164 100
 162 99.9 79.4 119.2
 160 47.1 37.0 55.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024



#42

2,4,6-Tribromophenol

Concen: 90.422 ng

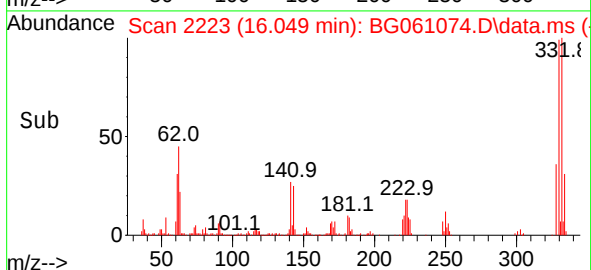
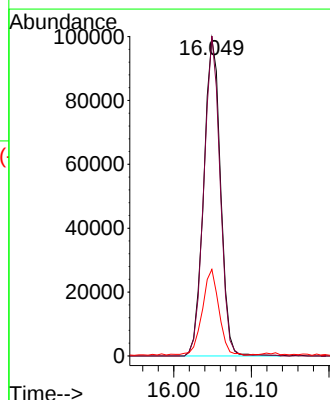
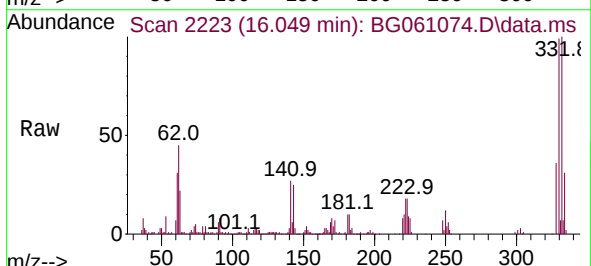
RT: 16.049 min Scan# 2223

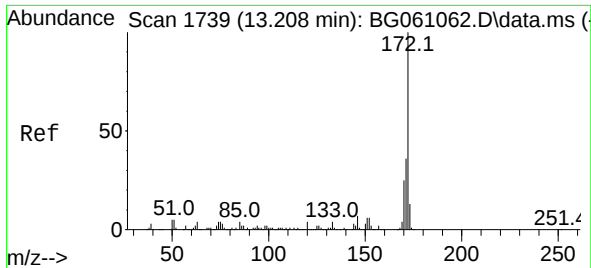
Delta R.T. -0.026 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Tgt Ion:330 Resp: 149481
 Ion Ratio Lower Upper
 330 100
 332 96.6 78.6 117.8
 141 26.4 20.5 30.7





#45

2-Fluorobiphenyl

Concen: 67.686 ng

RT: 13.182 min Scan# 1735

Delta R.T. -0.026 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

WC-2

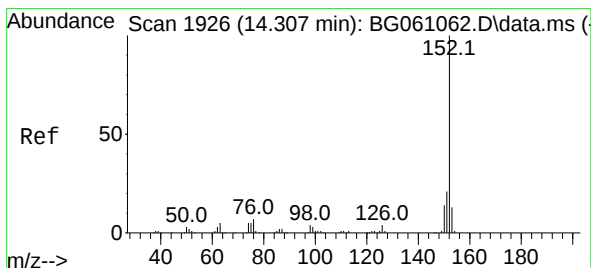
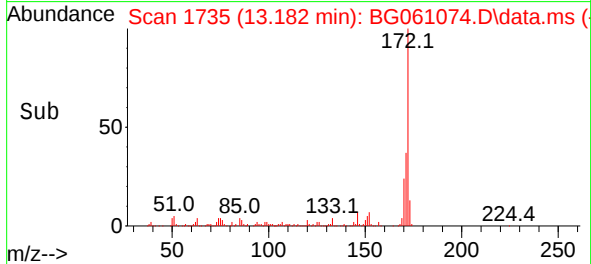
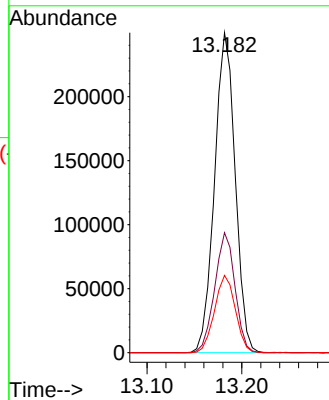
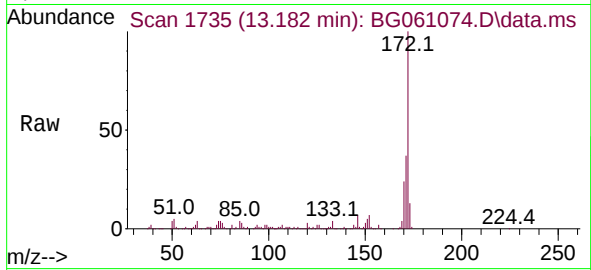
Tgt Ion:172 Resp: 378574

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.0	43.6
170	24.2	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#49

Acenaphthylene

Concen: 10.767 ng m

RT: 14.286 min Scan# 1923

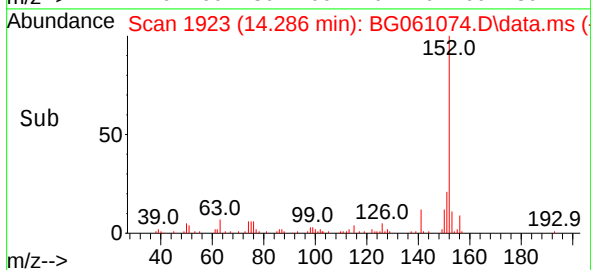
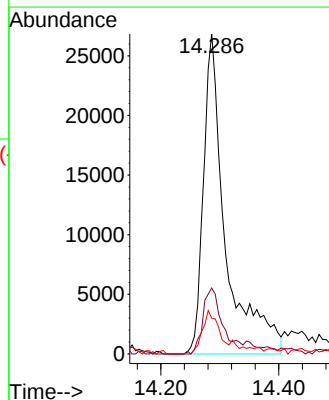
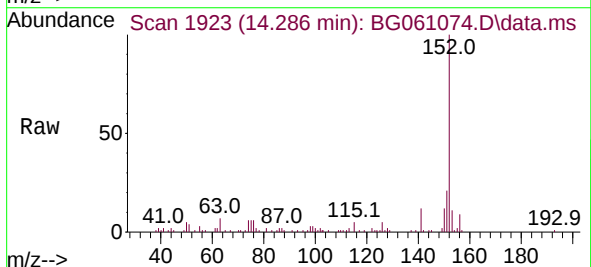
Delta R.T. -0.021 min

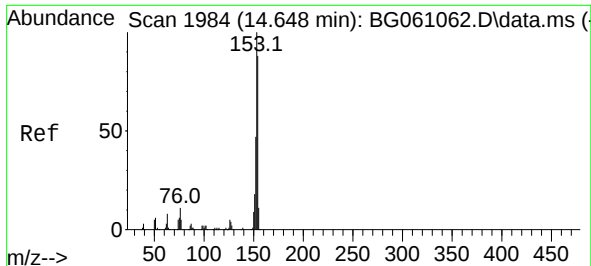
Lab File: BG061074.D

Acq: 1 May 2024 13:19

Tgt Ion:152 Resp: 70221

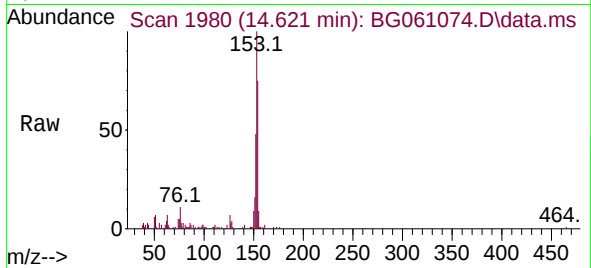
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.9	25.3
153	11.2	10.6	15.8





#52
Acenaphthene
Concen: 6.734 ng
RT: 14.621 min Scan# 1984
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

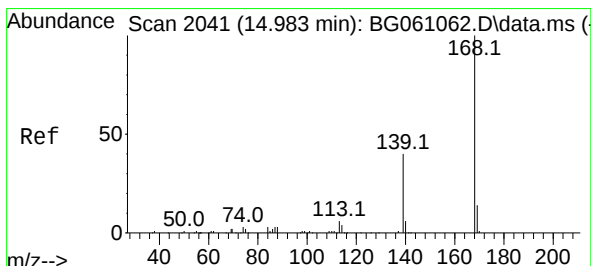
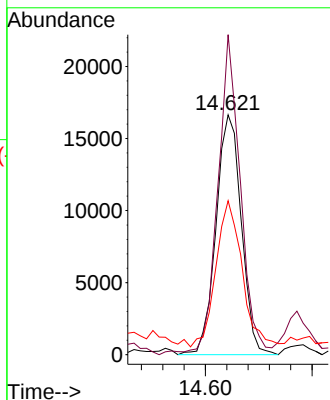
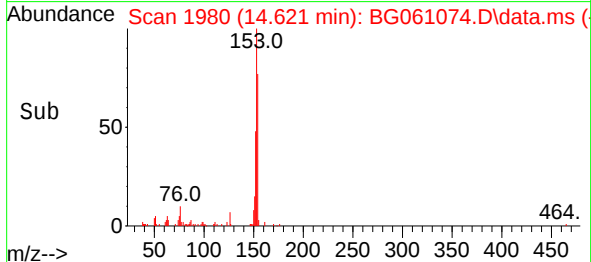
Instrument :
BNA_G
ClientSampleId :
WC-2



Tgt Ion:154 Resp: 2739
Ion Ratio Lower Upper
154 100
153 133.5 91.0 136.4
152 64.2 43.1 64.7

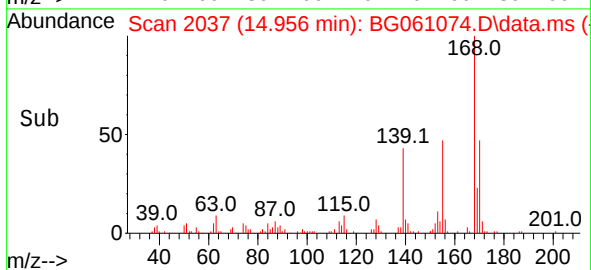
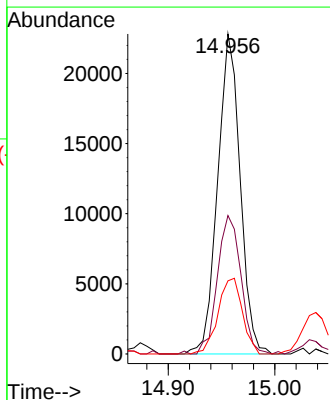
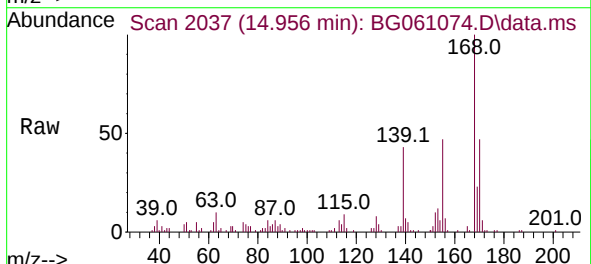
Manual Integrations
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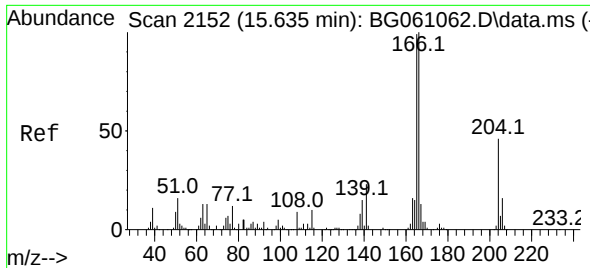
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#55
Dibenzofuran
Concen: 4.854 ng
RT: 14.956 min Scan# 2037
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

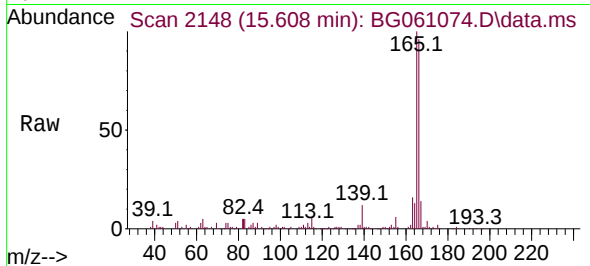
Tgt Ion:168 Resp: 33359
Ion Ratio Lower Upper
168 100
139 43.3 32.2 48.4
169 22.9 11.4 17.2#





#58
Fluorene
Concen: 12.162 ng
RT: 15.608 min Scan# 2152
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

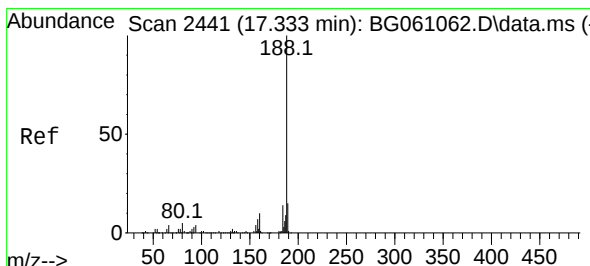
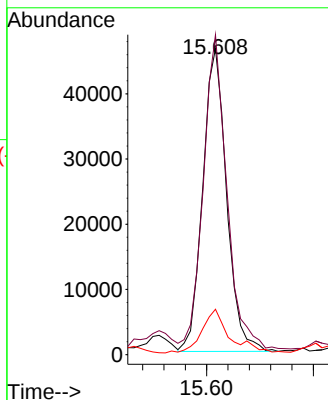
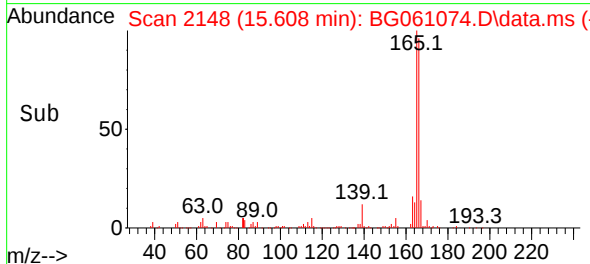
Instrument :
BNA_G
ClientSampleId :
WC-2



Tgt Ion:166 Resp: 72320
Ion Ratio Lower Upper
166 100
165 104.6 78.9 118.3
167 14.9 10.6 15.8

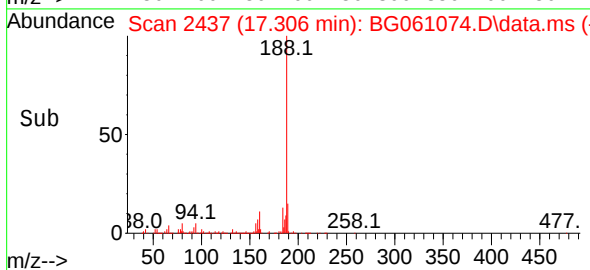
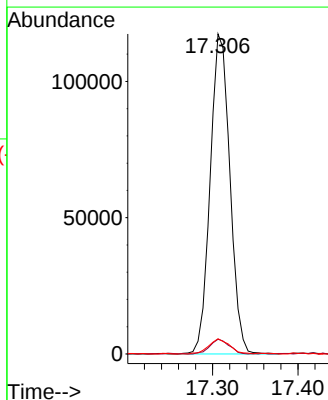
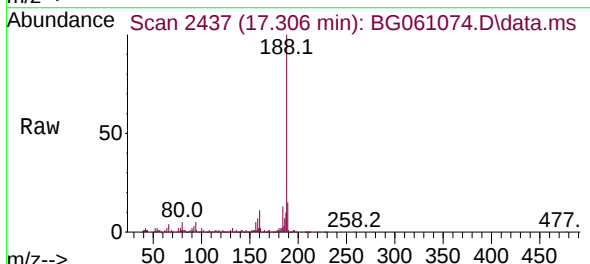
Manual Integrations
APPROVED

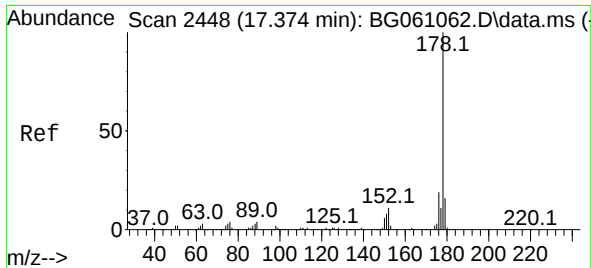
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2437
Delta R.T. -0.026 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Tgt Ion:188 Resp: 188519
Ion Ratio Lower Upper
188 100
94 4.6 3.6 5.4
80 4.8 4.2 6.2





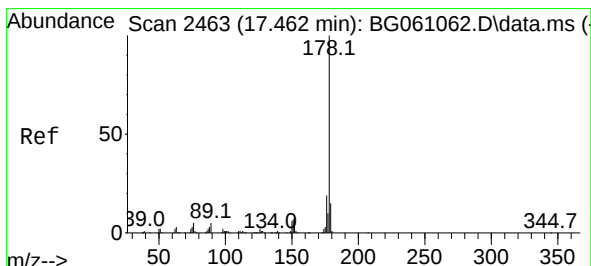
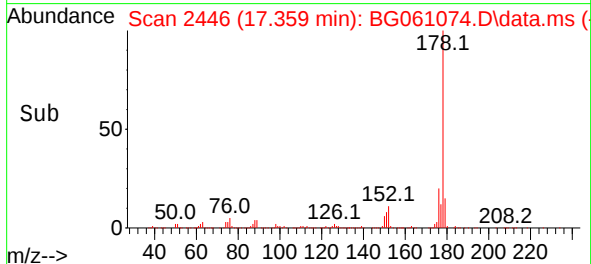
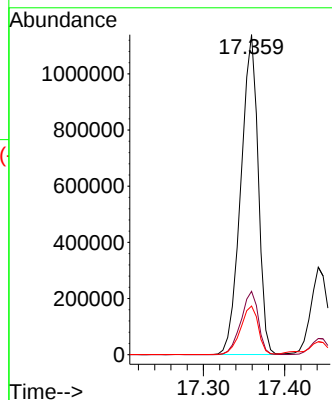
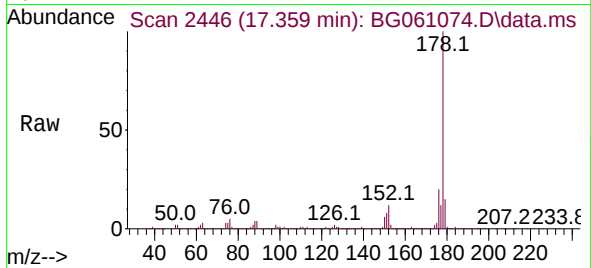
#71
Phenanthrene
Concen: 195.401 ng
RT: 17.359 min Scan# 2446
Delta R.T. -0.015 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Instrument :
BNA_G
ClientSampleId :
WC-2

Tgt Ion:178 Resp: 168433
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.2 12.6 19.0

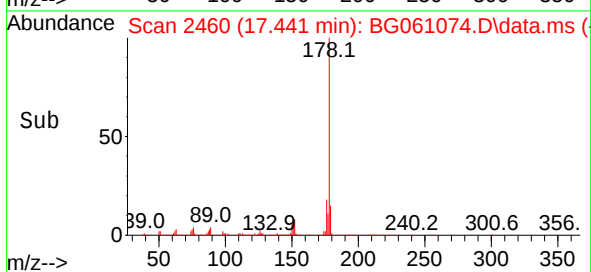
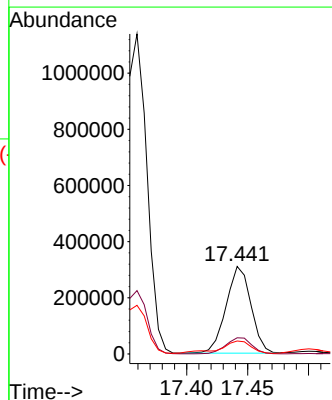
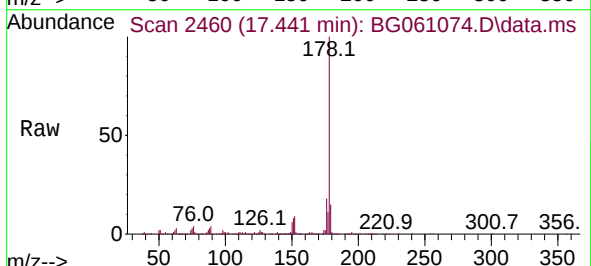
Manual Integrations
APPROVED

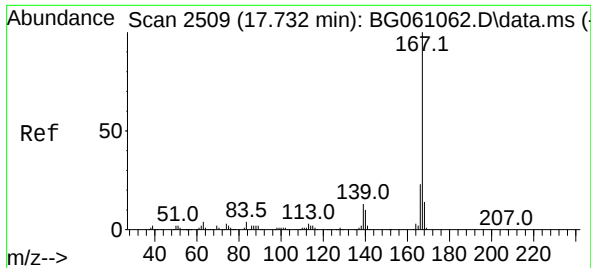
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#72
Anthracene
Concen: 51.105 ng
RT: 17.441 min Scan# 2460
Delta R.T. -0.021 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

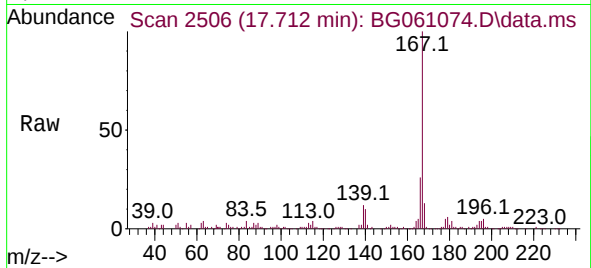
Tgt Ion:178 Resp: 439562
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 14.8 12.0 18.0





#73
 Carbazole
 Concen: 12.744 ng
 RT: 17.712 min Scan# 2506
 Delta R.T. -0.021 min
 Lab File: BG061074.D
 Acq: 1 May 2024 13:19

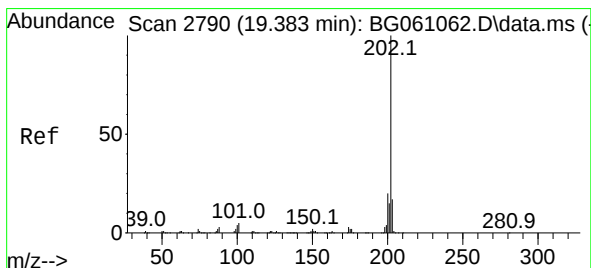
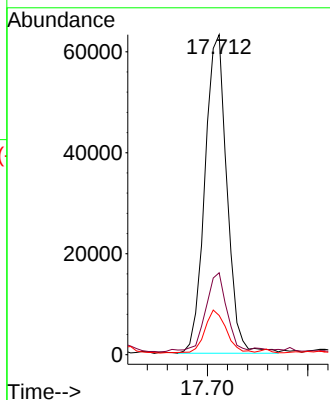
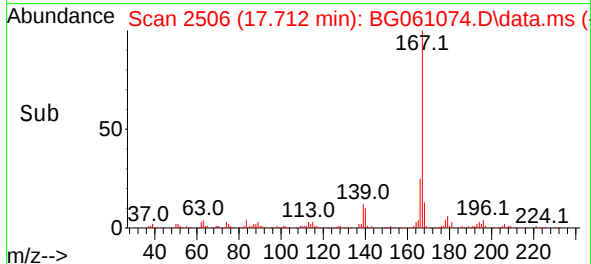
Instrument :
 BNA_G
 ClientSampleId :
 WC-2



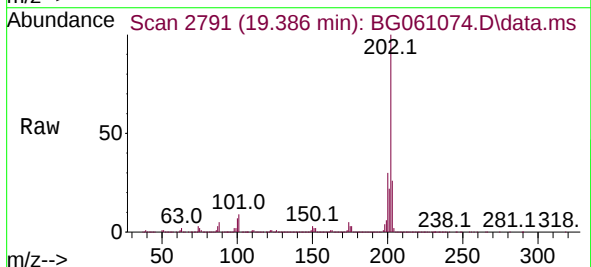
Tgt Ion:167 Resp: 96370
 Ion Ratio Lower Upper
 167 100
 166 25.6 18.7 28.1
 139 12.3 10.6 15.8

Manual Integrations
 APPROVED

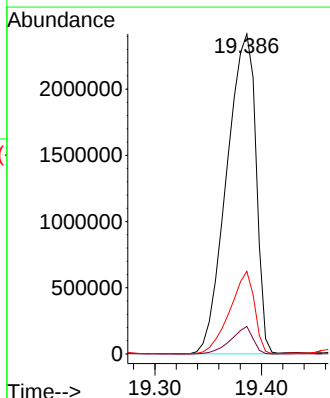
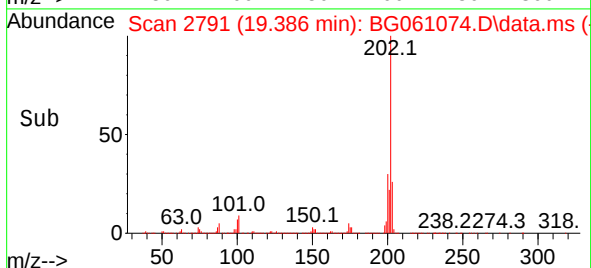
Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024

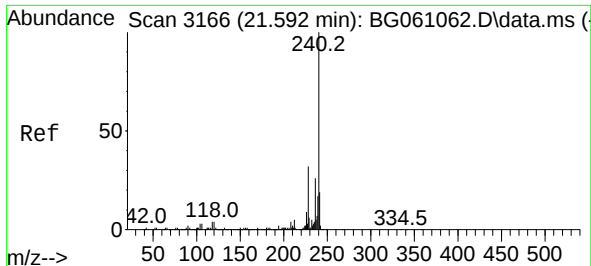


#75
 Fluoranthene
 Concen: 389.476 ng
 RT: 19.386 min Scan# 2791
 Delta R.T. 0.003 min
 Lab File: BG061074.D
 Acq: 1 May 2024 13:19



Tgt Ion:202 Resp: 4599329
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 24.7
 203 25.8 0.0 37.1





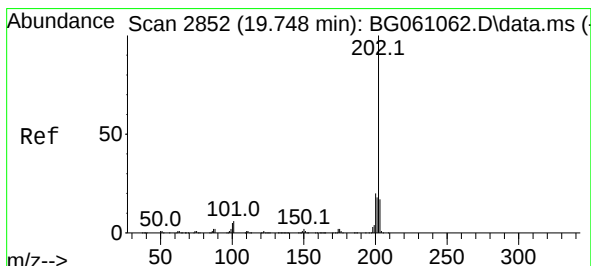
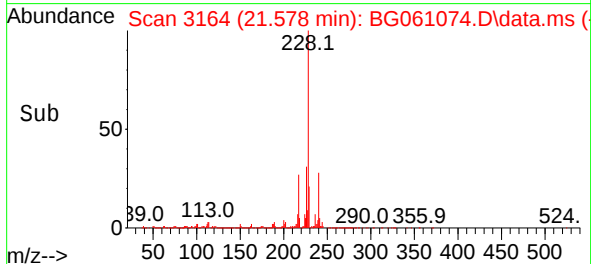
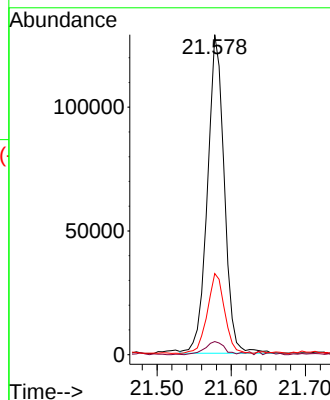
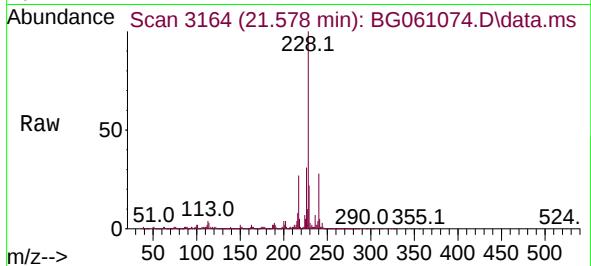
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.578 min Scan# 3164
Delta R.T. -0.015 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

Instrument :
BNA_G
ClientSampleId :
WC-2

Tgt Ion:240 Resp: 202794
Ion Ratio Lower Upper
240 100
120 4.1 3.2 4.8
236 25.4 21.0 31.6

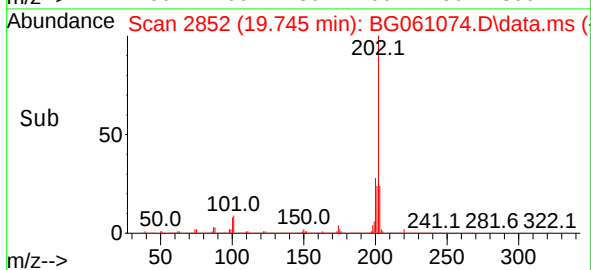
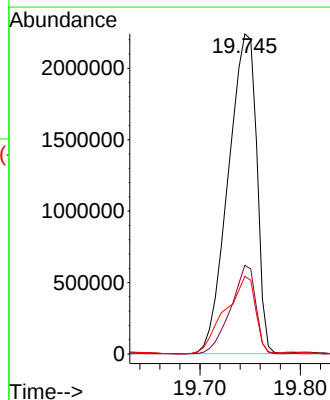
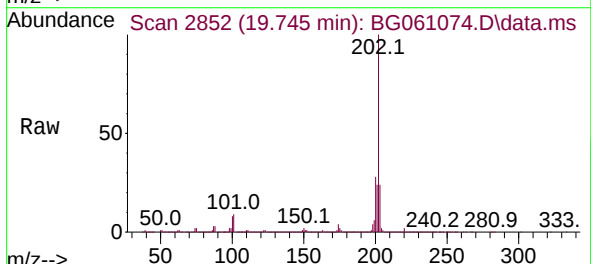
Manual Integrations
APPROVED

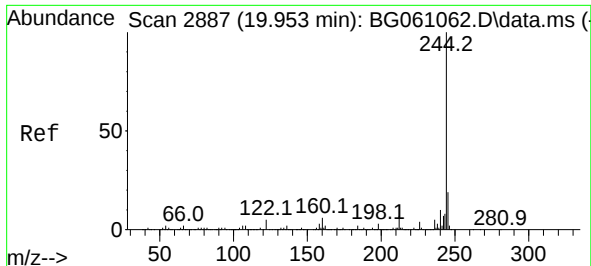
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#78
Pyrene
Concen: 341.643 ng
RT: 19.745 min Scan# 2852
Delta R.T. -0.003 min
Lab File: BG061074.D
Acq: 1 May 2024 13:19

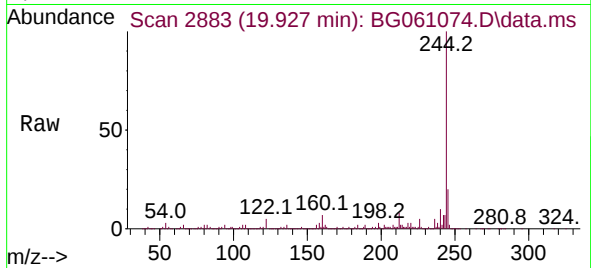
Tgt Ion:202 Resp: 4404774
Ion Ratio Lower Upper
202 100
200 27.7 16.2 24.4#
203 24.2 13.3 19.9#





#79
 Terphenyl-d14
 Concen: 56.077 ng
 RT: 19.927 min Scan# 2883
 Delta R.T. -0.026 min
 Lab File: BG061074.D
 Acq: 1 May 2024 13:19

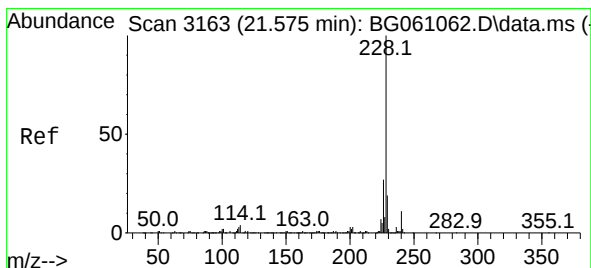
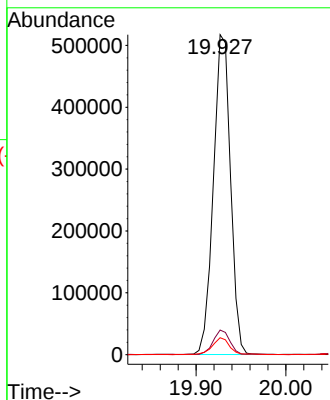
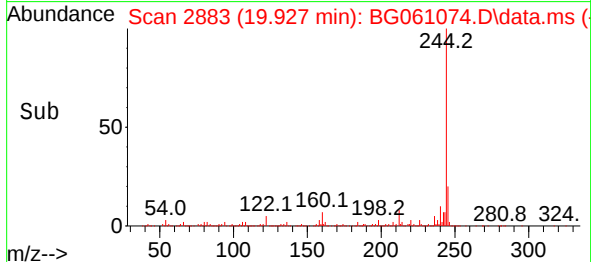
Instrument :
 BNA_G
 ClientSampleId :
 WC-2



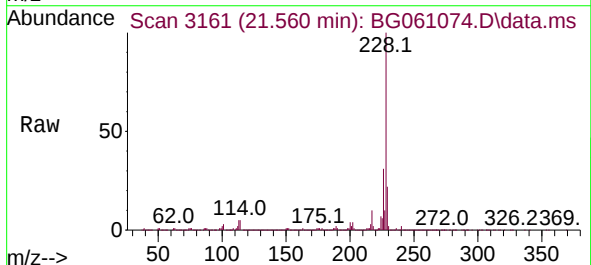
Tgt Ion:244 Resp: 683770
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 5.3 4.2 6.2

Manual Integrations
 APPROVED

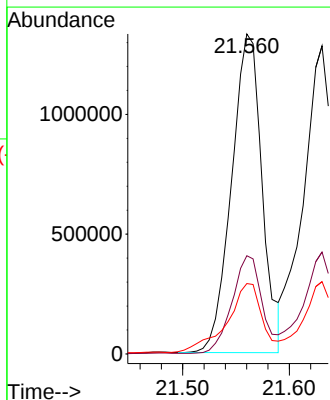
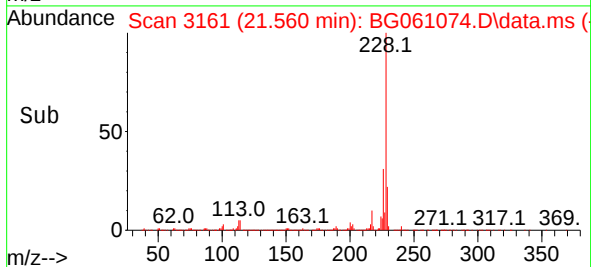
Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024

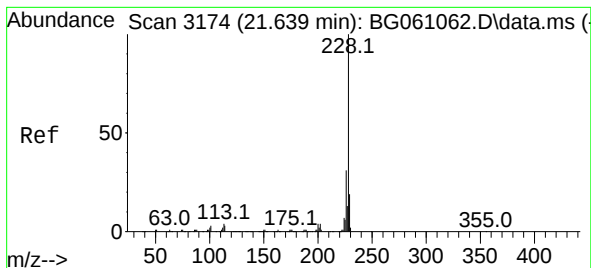


#81
 Benzo(a)anthracene
 Concen: 199.835 ng
 RT: 21.560 min Scan# 3161
 Delta R.T. -0.015 min
 Lab File: BG061074.D
 Acq: 1 May 2024 13:19



Tgt Ion:228 Resp: 2651894
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.6 32.4
 229 22.0 15.0 22.4





#83

Chrysene

Concen: 194.746 ng m

RT: 21.631 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

WC-2

Tgt Ion:228 Resp: 242128

Ion Ratio Lower Upper

228 100

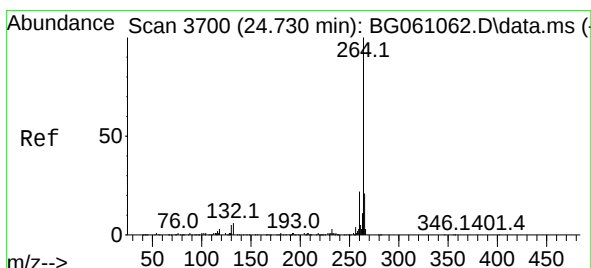
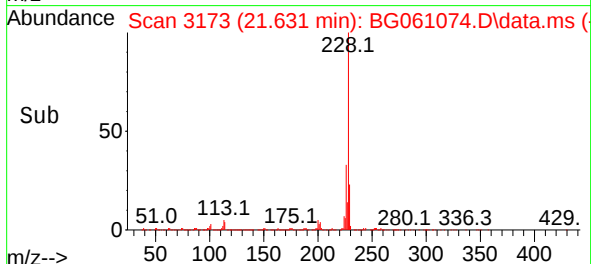
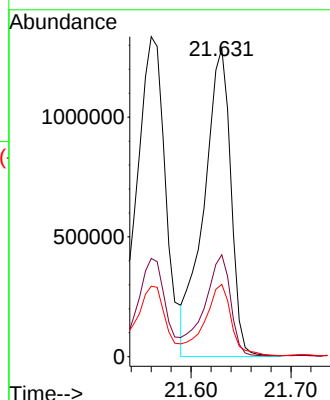
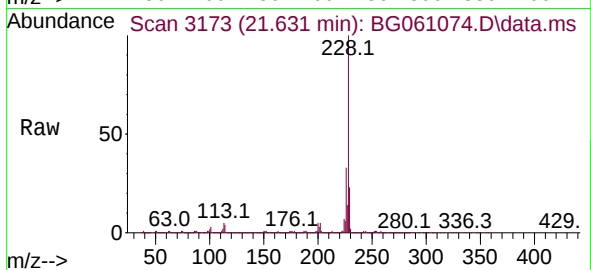
226 33.1 24.4 36.6

229 23.5 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.709 min Scan# 3697

Delta R.T. -0.021 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

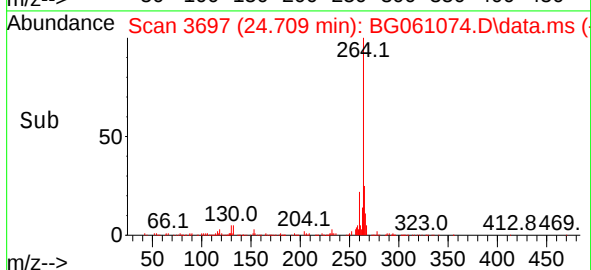
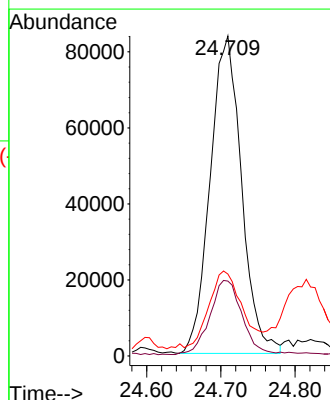
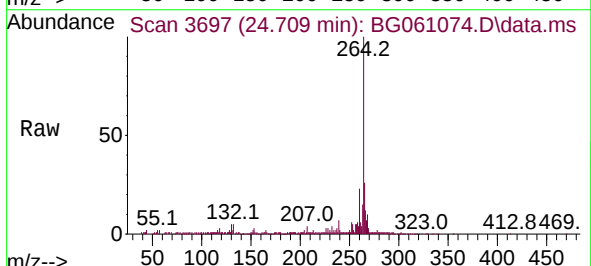
Tgt Ion:264 Resp: 245230

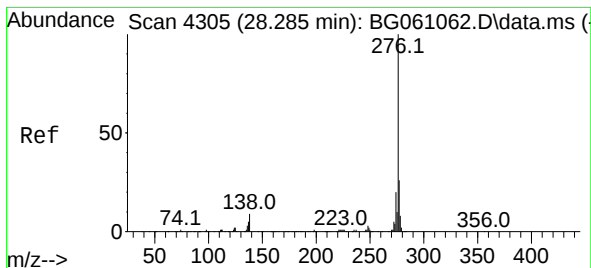
Ion Ratio Lower Upper

264 100

260 23.4 17.7 26.5

265 25.6 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 100.346 ng

RT: 28.282 min Scan# 4305

Delta R.T. -0.003 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

WC-2

Tgt Ion:276 Resp: 1630800

Ion Ratio Lower Upper

276 100

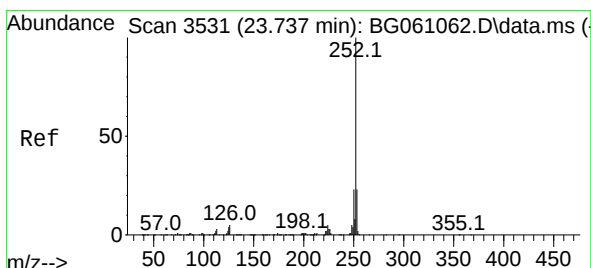
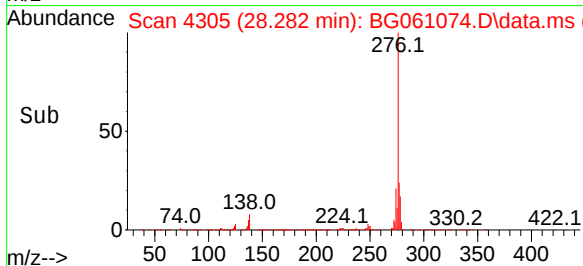
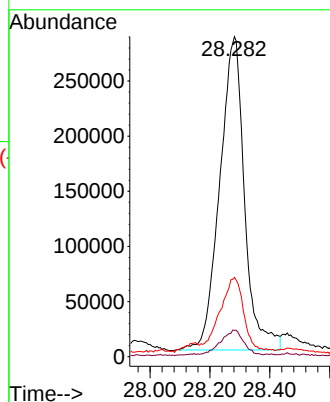
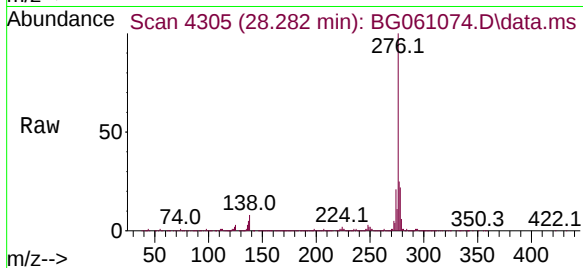
138 7.3 5.1 7.7

277 21.5 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#88

Benzo(b)fluoranthene

Concen: 231.778 ng

RT: 23.740 min Scan# 3532

Delta R.T. 0.003 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

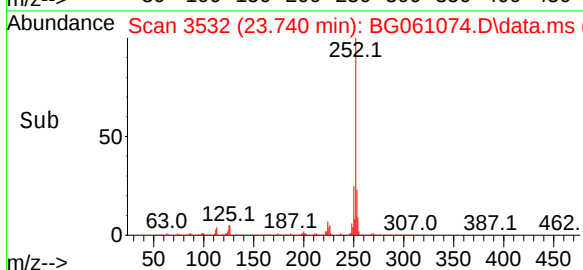
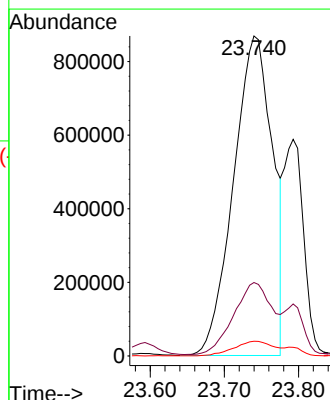
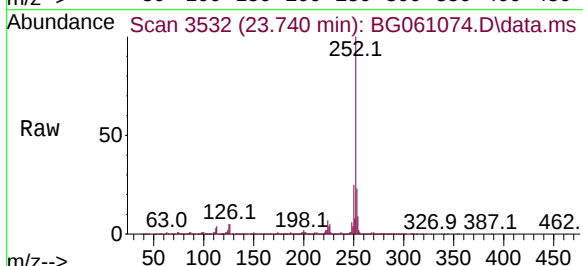
Tgt Ion:252 Resp: 3176179

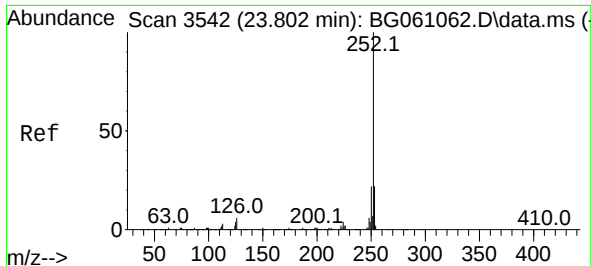
Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

125 4.6 3.4 5.0





#89

Benzo(k)fluoranthene

Concen: 82.346 ng m

RT: 23.793 min Scan# 3542

Delta R.T. -0.009 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

WC-2

Tgt Ion:252 Resp: 108559

Ion Ratio Lower Upper

252 100

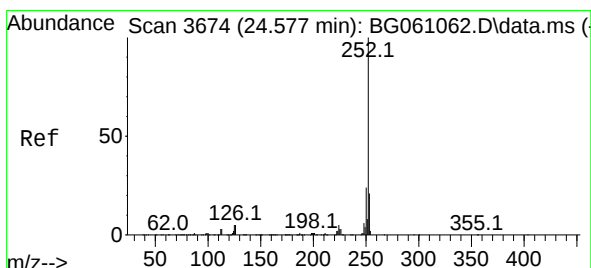
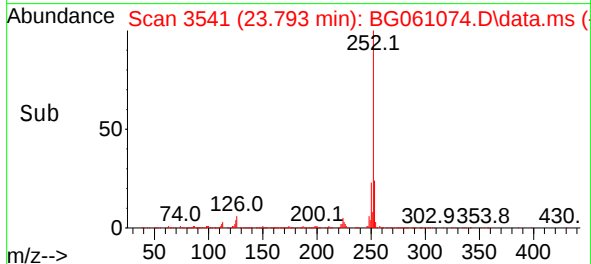
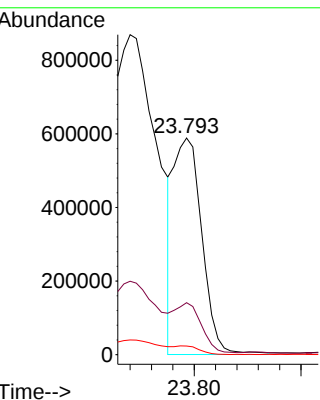
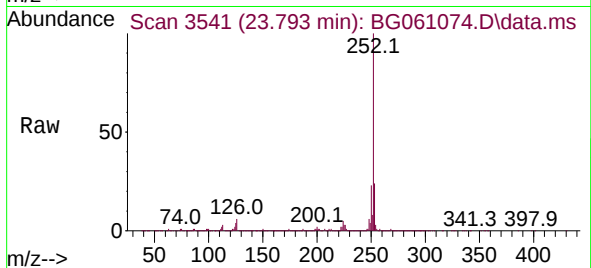
253 24.0 17.3 25.9

125 4.0 3.2 4.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#90

Benzo(a)pyrene

Concen: 202.661 ng

RT: 24.586 min Scan# 3676

Delta R.T. 0.009 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

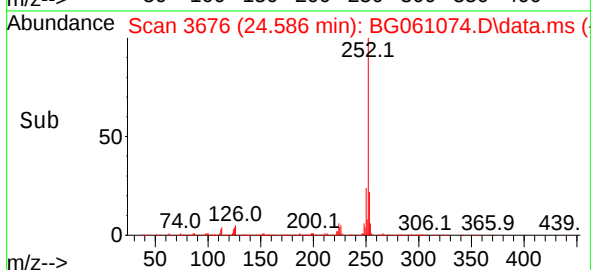
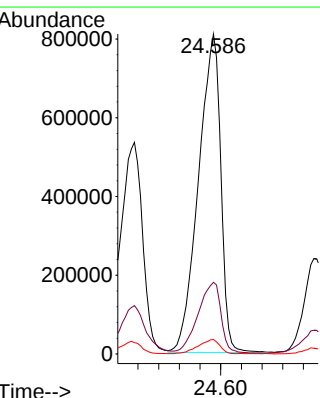
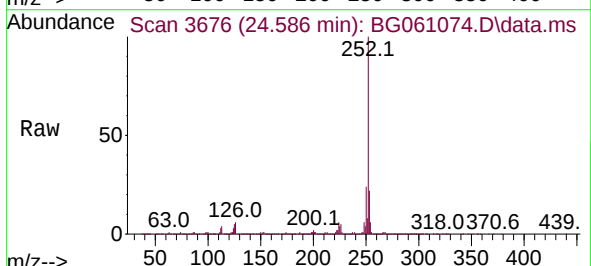
Tgt Ion:252 Resp: 2419509

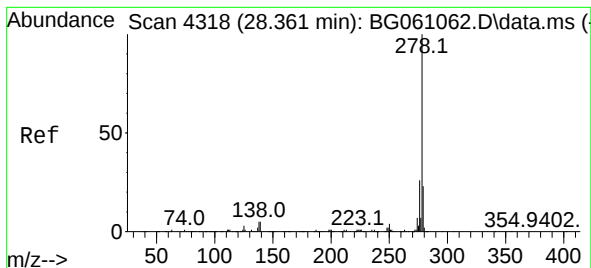
Ion Ratio Lower Upper

252 100

253 22.4 16.9 25.3

125 4.5 3.8 5.8





#91

Dibenzo(a,h)anthracene

Concen: 25.874 ng m

RT: 28.305 min Scan# 44

Delta R.T. -0.056 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Instrument :

BNA_G

ClientSampleId :

WC-2

Tgt Ion:278 Resp: 348229

Ion Ratio Lower Upper

278 100

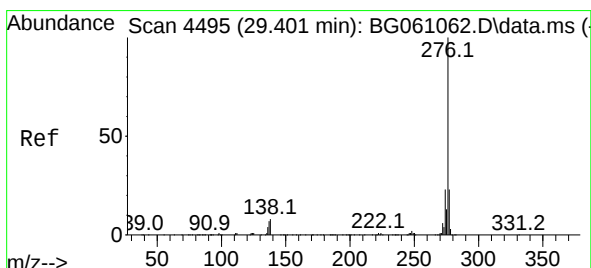
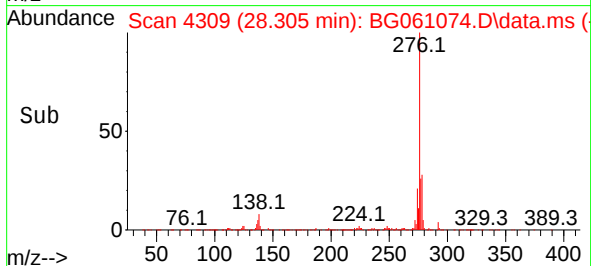
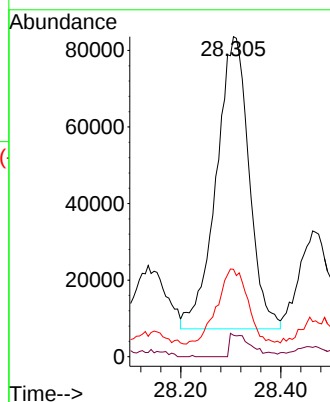
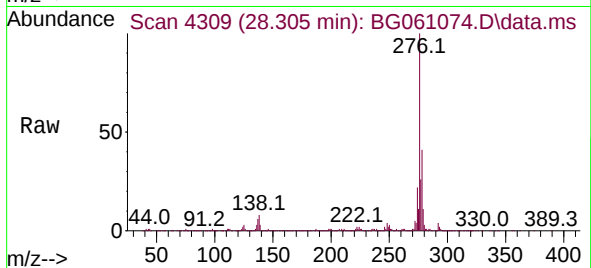
139 6.7 4.2 6.2

279 27.3 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#92

Benzo(g,h,i)perylene

Concen: 121.108 ng

RT: 29.398 min Scan# 4495

Delta R.T. -0.003 min

Lab File: BG061074.D

Acq: 1 May 2024 13:19

Tgt Ion:276 Resp: 1619783

Ion Ratio Lower Upper

276 100

277 23.0 18.2 27.4

138 7.7 6.2 9.2

