

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061437.D
 Acq On : 4 Jun 2024 1:02
 Operator : MA/JU
 Sample : P2589-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5W5

Manual Integrations
 APPROVED

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

Quant Time: Jun 04 01:42:06 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	7.872	152	30215	20.000	ng/ul	0.00
20) Naphthalene-d8	10.668	136	117050	20.000	ng/ul	# 0.00
38) Acenaphthene-d10	14.511	164	87965	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.261	188	198940	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.526	240	219711	20.000	ng/ul	0.01
88) Perylene-d12	24.628	264	259852	20.000	ng/ul	# 0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.336	96	3259m	6.036	ng/uL	0.00
4) Pyridine-d5	3.747	84	30146	15.695	ng/ul	0.00
7) Phenol-d5	7.061	99	73937	29.798	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	46011	29.502	ng/ul	0.00
11) 2-Chlorophenol-d4	7.413	132	61005	33.221	ng/ul	0.00
15) 4-Methylphenol-d8	8.594	113	59545	28.144	ng/ul	0.00
21) Nitrobenzene-d5	9.029	128	29875	33.150	ng/ul	0.00
24) 2-Nitrophenol-d4	9.752	143	36794	34.885	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	73453	35.723	ng/ul	0.00
31) 4-Chloroaniline-d4	10.809	131	30482	11.331	ng/ul	0.00
46) Dimethylphthalate-d6	13.917	166	234052	34.306	ng/ul	0.00
49) Acenaphthylene-d8	14.205	160	261073	36.808	ng/ul	0.00
54) 4-Nitrophenol-d4	14.758	143	22655	26.859	ng/ul	0.02
60) Fluorene-d10	15.504	176	207924	35.300	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	27608	22.945	ng/ul	0.01
73) Anthracene-d10	17.360	188	339858	38.749	ng/ul	0.00
81) Pyrene-d10	19.664	212	409552	36.304	ng/ul	0.01
92) Benzo(a)pyrene-d12	24.423	264	448405	35.894	ng/ul	0.04
Target Compounds						
					Qvalue	
8) Phenol	7.090	94	2995	1.185	ng/ul#	91
30) Naphthalene	10.715	128	23050	3.731	ng/ul	97
36) 2-Methylnaphthalene	12.325	142	10259	2.290	ng/ul	89
37) 1-Methylnaphthalene	12.548	142	10476	2.278	ng/ul#	93
50) Acenaphthylene	14.235	152	49366m	6.277	ng/ul	
52) Acenaphthene	14.575	153	21111	4.092	ng/ul	92
56) Dibenzofuran	14.910	168	22854	3.098	ng/ul#	86
61) Fluorene	15.563	166	44076	6.905	ng/ul	95
72) Phenanthrene	17.308	178	1376360	142.544	ng/ul	99
74) Anthracene	17.396	178	173551	17.384	ng/ul	97
77) Carbazole	17.666	167	109473	13.481	ng/ul	99
80) Fluoranthene	19.335	202	3456387	255.400	ng/ul#	95
82) Pyrene	19.699	202	3192579	227.269	ng/ul#	95
85) Benzo(a)anthracene	21.514	228	2259421	149.037	ng/ul	94
86) Bis(2-ethylhexyl)phtha...	21.409	149	7829	1.096	ng/ul#	78
87) Chrysene	21.579	228	2275602	163.018	ng/ul	93
90) Benzo(b)fluoranthene	23.671	252	3074107	198.696	ng/ul	99
91) Benzo(k)fluoranthene	23.718	252	1209556m	77.011	ng/ul	
93) Benzo(a)pyrene	24.505	252	2279958	155.192	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.177	276	1473431	82.935	ng/ul	98
95) Dibenzo(a,h)anthracene	28.189	278	339416	23.170	ng/ul#	90
96) Benzo(g,h,i)perylene	29.264	276	1225836m	86.732	ng/ul	

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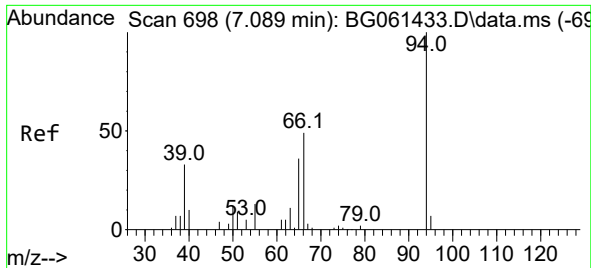
Manual Integrations
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Supervised By :mohammad ahmed 06/05/2024

Quant Time: Jun 04 01:42:06 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)

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



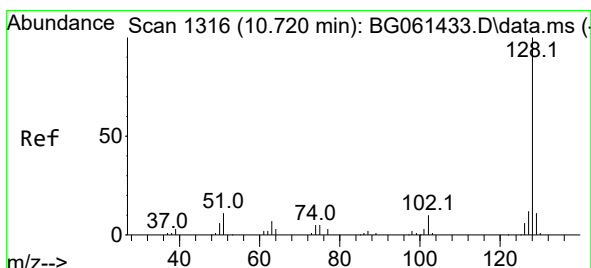
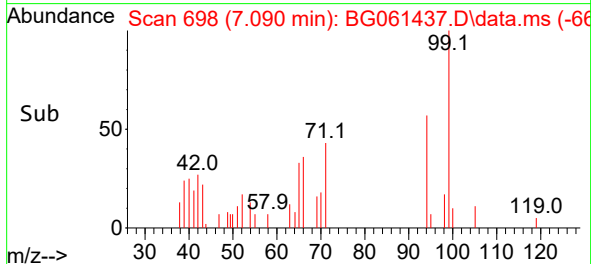
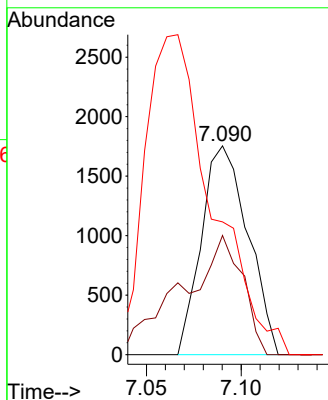
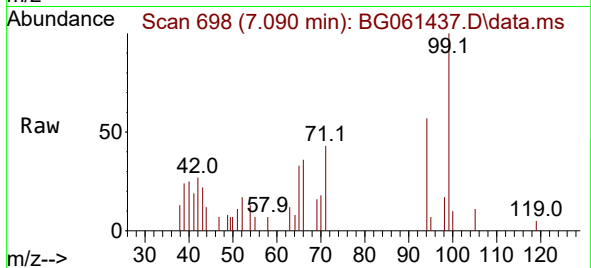
#8
Phenol
Concen: 1.185 ng/ul
RT: 7.090 min Scan# 698
Delta R.T. 0.008 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

Instrument :
BNA_G
ClientSampleId :
BH5W5

Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
65 57.1 35.0 52.4
66 63.6 50.3 75.5

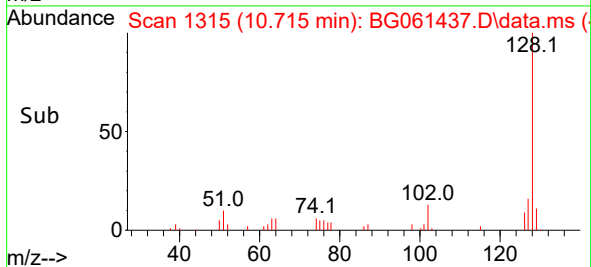
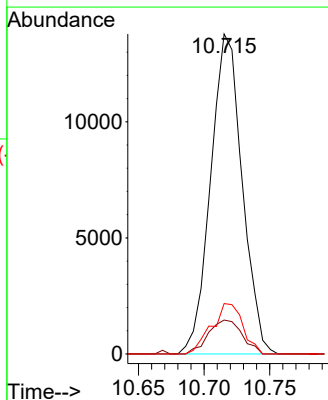
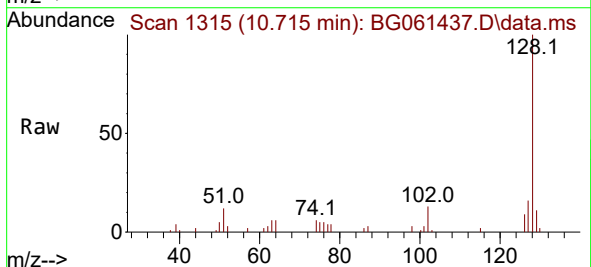
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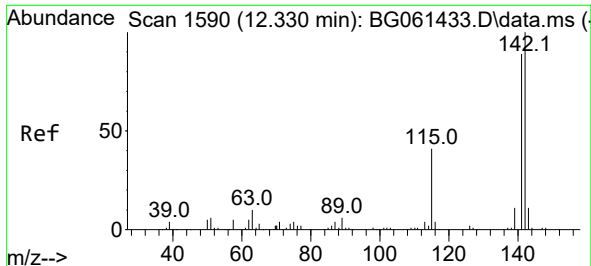
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#30
Naphthalene
Concen: 3.731 ng/ul
RT: 10.715 min Scan# 1315
Delta R.T. -0.004 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

Tgt Ion:128 Resp: 23050
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 15.7 10.8 16.2





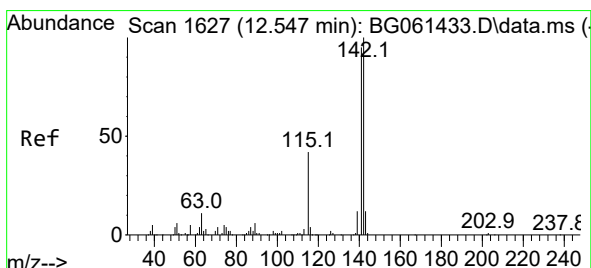
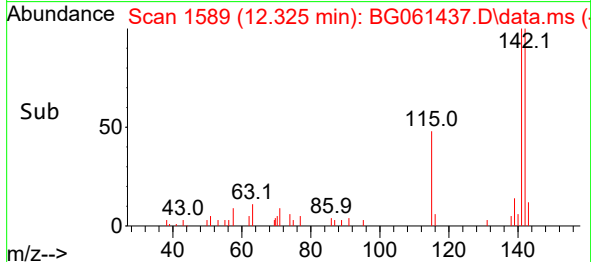
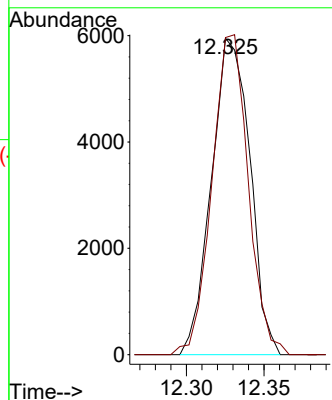
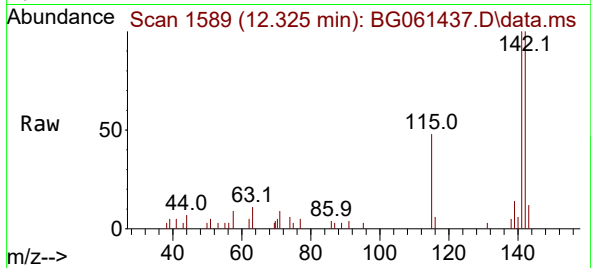
#36
2-Methylnaphthalene
Concen: 2.290 ng/ul
RT: 12.325 min Scan# 1589
Delta R.T. -0.004 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

Instrument :
BNA_G
ClientSampleId :
BH5W5

Tgt Ion:142 Resp: 1025
Ion Ratio Lower Upper
142 100
141 100.2 72.2 108.2

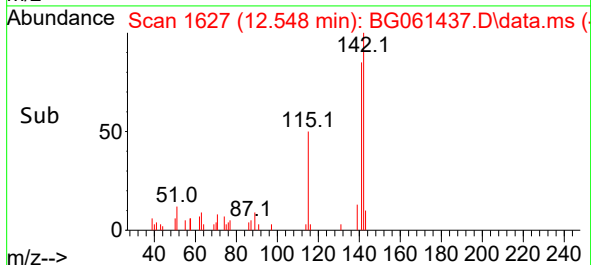
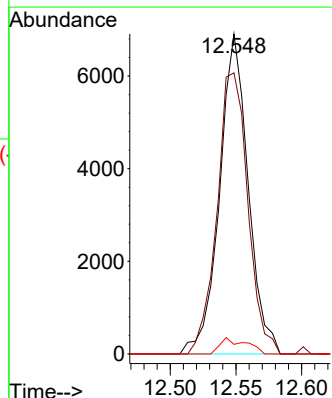
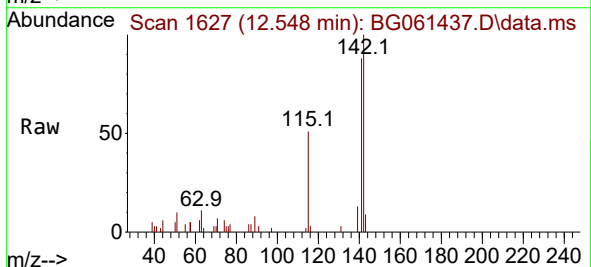
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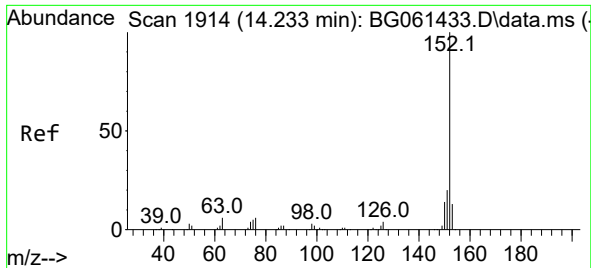
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#37
1-Methylnaphthalene
Concen: 2.278 ng/ul
RT: 12.548 min Scan# 1627
Delta R.T. 0.002 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

Tgt Ion:142 Resp: 10476
Ion Ratio Lower Upper
142 100
141 87.8 75.5 113.3
116 3.0 4.0 6.0





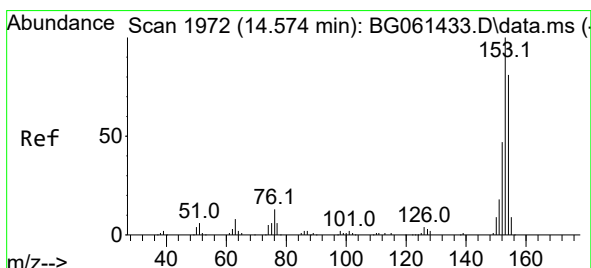
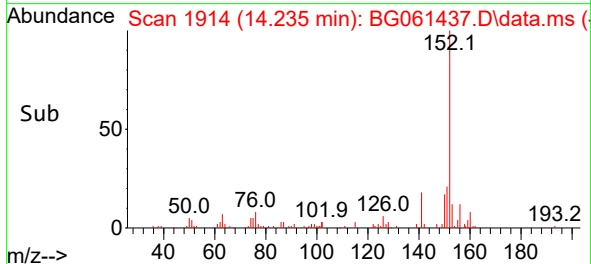
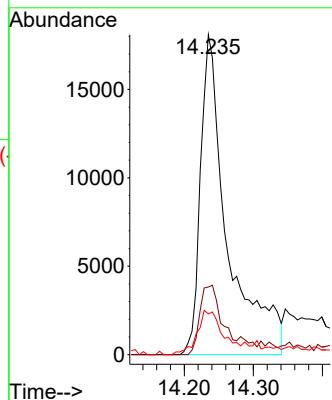
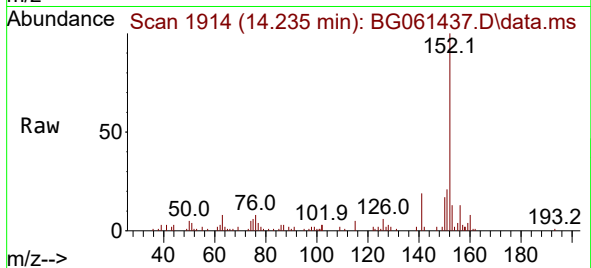
#50
Acenaphthylene
Concen: 6.277 ng/ul m
RT: 14.235 min Scan# 1914
Delta R.T. 0.002 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

Instrument :
BNA_G
ClientSampleId :
BH5W5

Tgt Ion:152 Resp: 49360
Ion Ratio Lower Upper
152 100
151 21.2 16.2 24.2
153 12.8 10.2 15.4

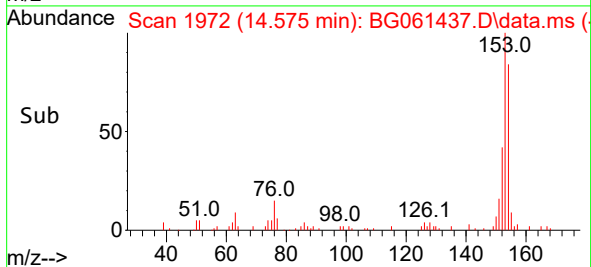
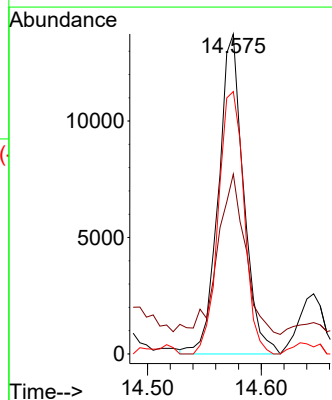
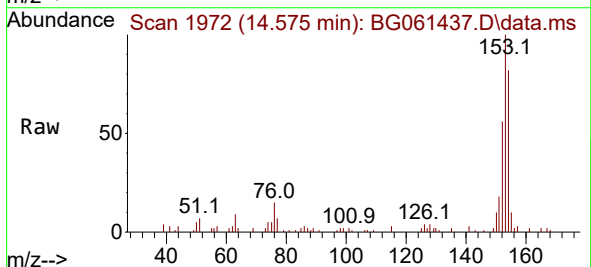
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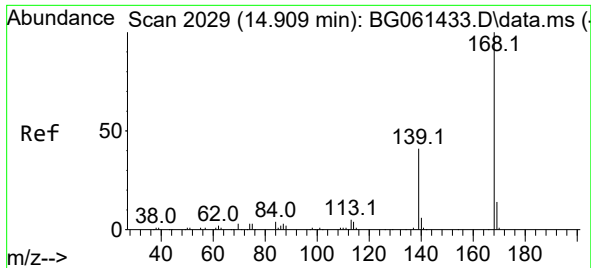
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#52
Acenaphthene
Concen: 4.092 ng/ul
RT: 14.575 min Scan# 1972
Delta R.T. 0.002 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

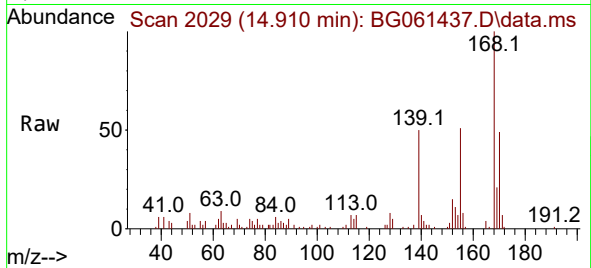
Tgt Ion:153 Resp: 21111
Ion Ratio Lower Upper
153 100
152 56.2 37.8 56.8
154 82.0 69.0 103.6





#56
Dibenzenofuran
Concen: 3.098 ng/ul
RT: 14.910 min Scan# 2029
Delta R.T. 0.002 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

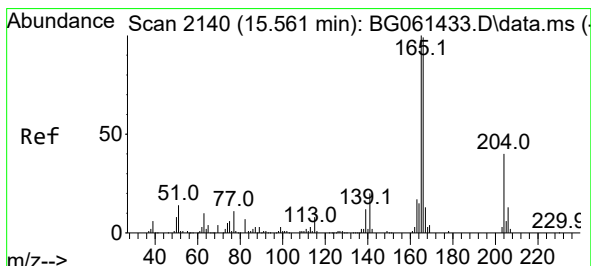
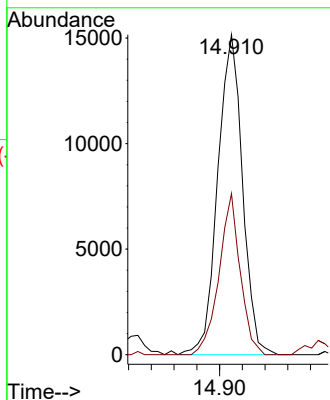
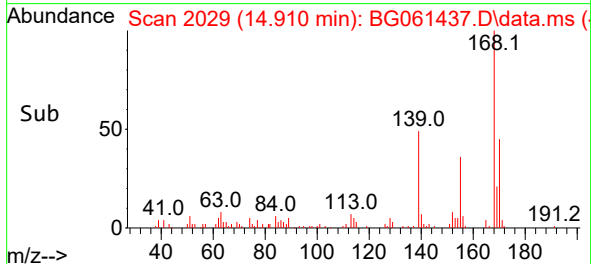
Instrument :
BNA_G
ClientSampleId :
BH5W5



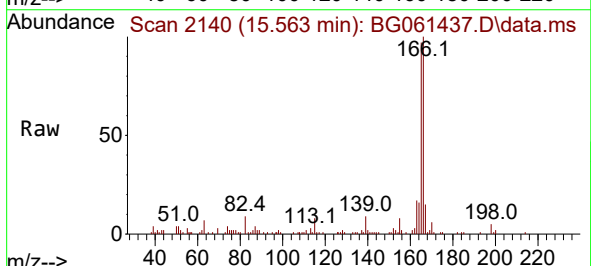
Tgt Ion:168 Resp: 22854
Ion Ratio Lower Upper
168 100
139 50.4 33.4 50.2

Manual Integrations
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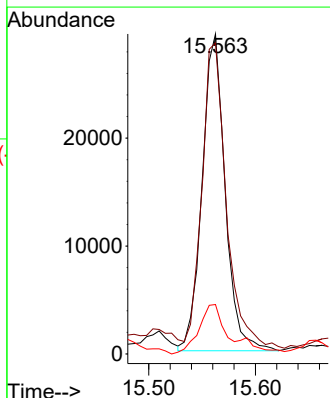
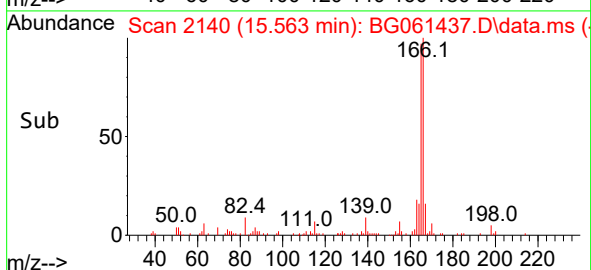
Reviewed By :Jagrut Upadhyay 06/04/2024
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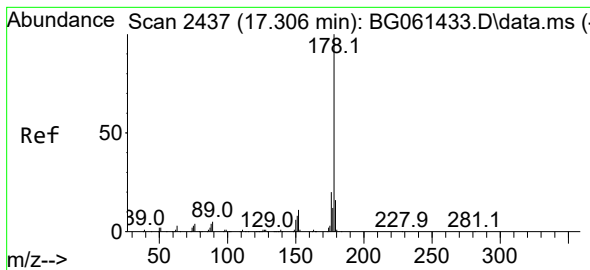


#61
Fluorene
Concen: 6.905 ng/ul
RT: 15.563 min Scan# 2140
Delta R.T. 0.002 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02



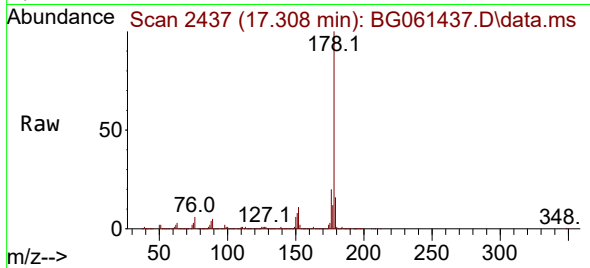
Tgt Ion:166 Resp: 44076
Ion Ratio Lower Upper
166 100
165 97.2 81.8 122.8
167 15.4 10.6 16.0





#72
Phenanthrene
Concen: 142.544 ng/ul
RT: 17.308 min Scan# 2437
Delta R.T. 0.008 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

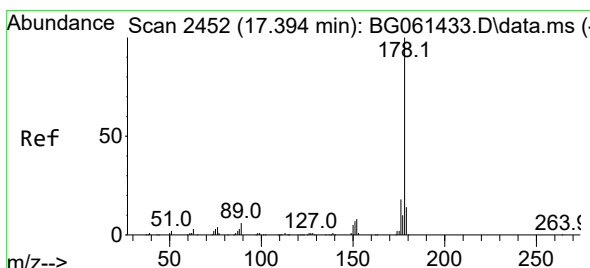
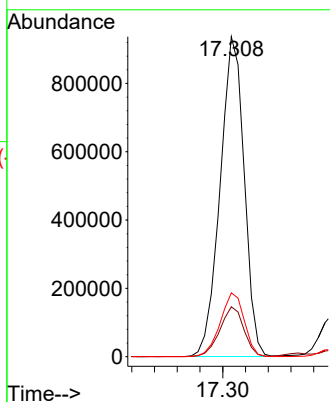
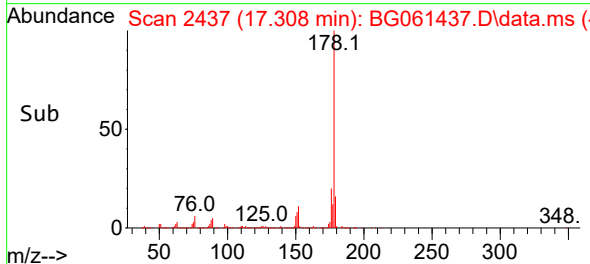
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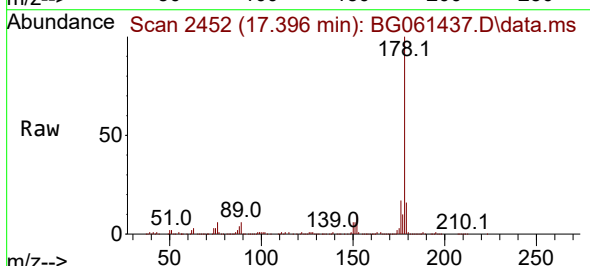
Tgt Ion:178 Resp: 1376360
Ion Ratio Lower Upper
178 100
179 15.6 12.7 19.1
176 20.0 15.5 23.3

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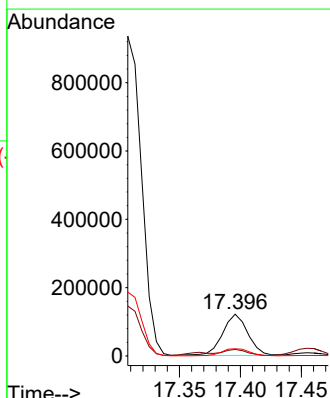
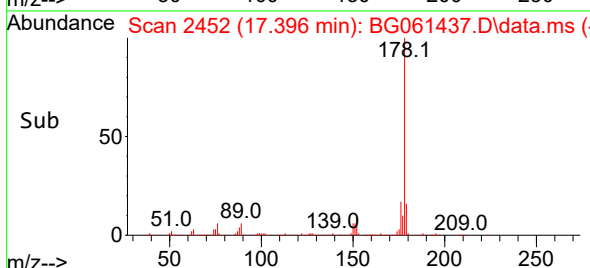
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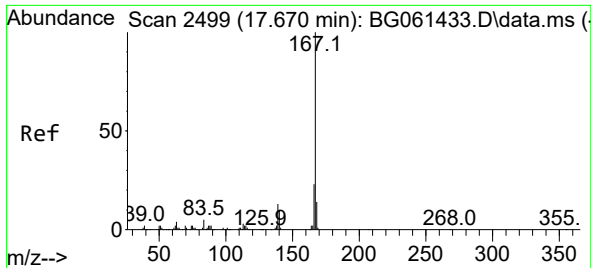


#74
Anthracene
Concen: 17.384 ng/ul
RT: 17.396 min Scan# 2452
Delta R.T. 0.002 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02



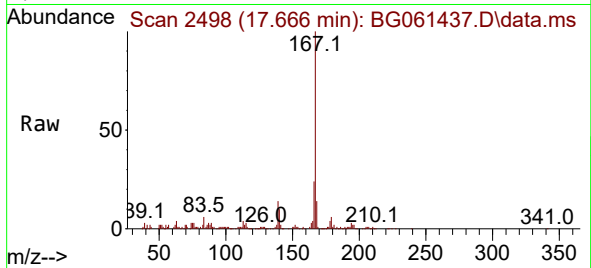
Tgt Ion:178 Resp: 173551
Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.6
176 17.4 14.9 22.3





#77
 Carbazole
 Concen: 13.481 ng/ul
 RT: 17.666 min Scan# 2499
 Delta R.T. 0.002 min
 Lab File: BG061437.D
 Acq: 4 Jun 2024 1:02

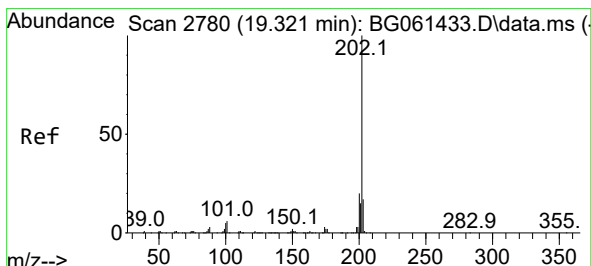
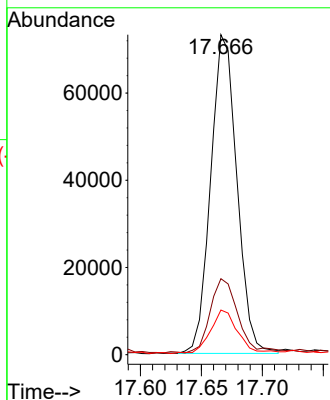
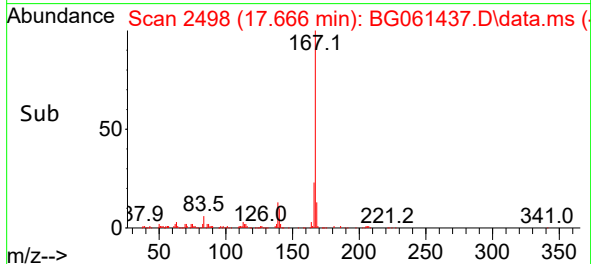
Instrument :
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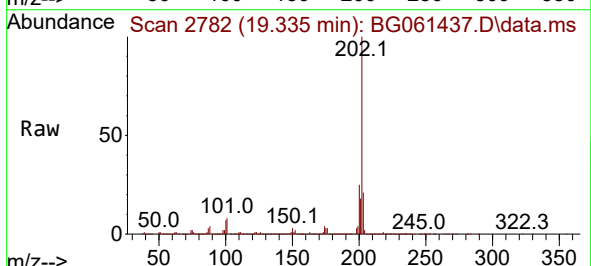
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 Ion Ratio Lower Upper
 167 100
 166 23.8 18.6 28.0
 139 14.0 10.6 15.8

Manual Integrations
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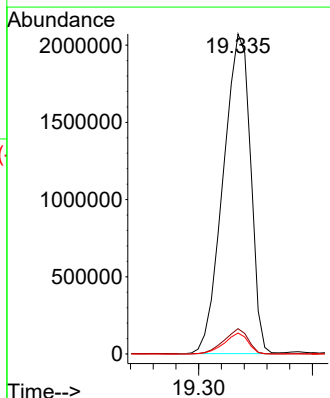
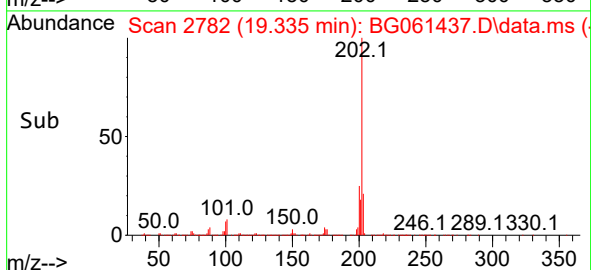
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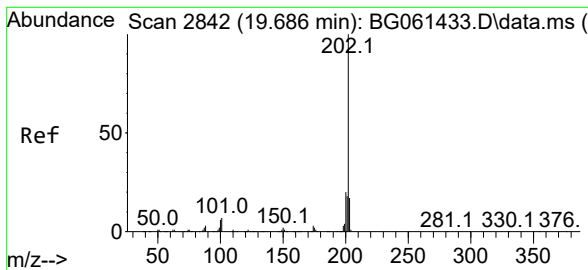


#80
 Fluoranthene
 Concen: 255.400 ng/ul
 RT: 19.335 min Scan# 2782
 Delta R.T. 0.020 min
 Lab File: BG061437.D
 Acq: 4 Jun 2024 1:02



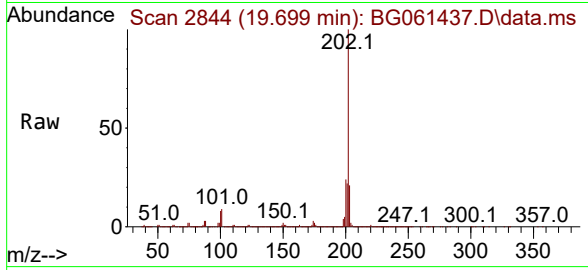
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 Ion Ratio Lower Upper
 202 100
 101 7.9 4.8 7.2#
 100 6.6 4.1 6.1#





#82
 Pyrene
 Concen: 227.269 ng/ul
 RT: 19.699 min Scan# 2844
 Delta R.T. 0.020 min
 Lab File: BG061437.D
 Acq: 4 Jun 2024 1:02

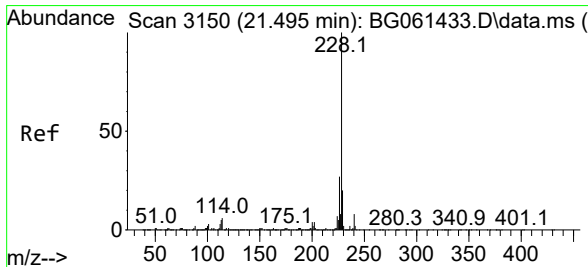
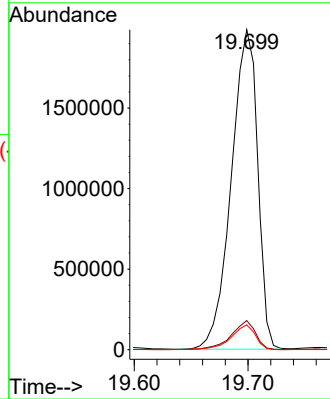
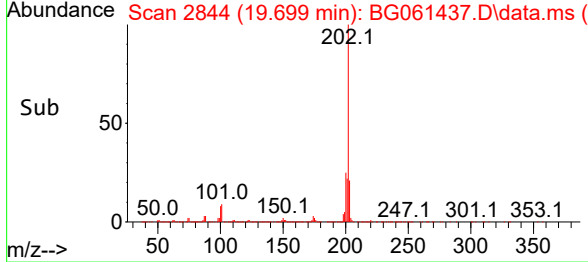
Instrument :
 BNA_G
 ClientSampleId :
 BH5W5



Tgt Ion:202 Resp: 3192579
 Ion Ratio Lower Upper
 202 100
 101 9.1 5.7 8.5
 100 7.7 5.1 7.7

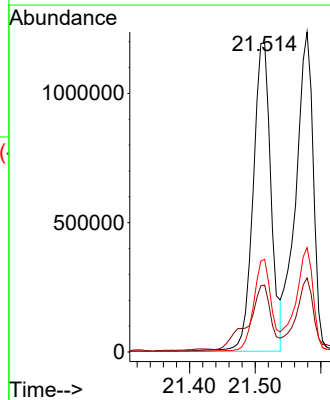
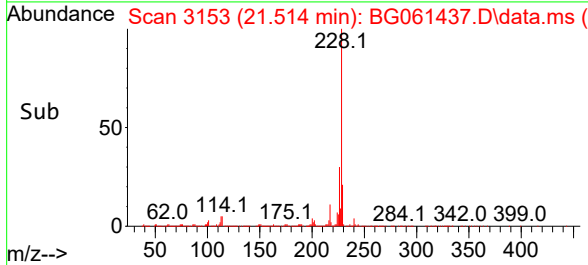
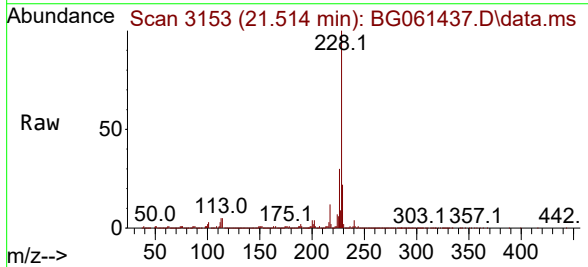
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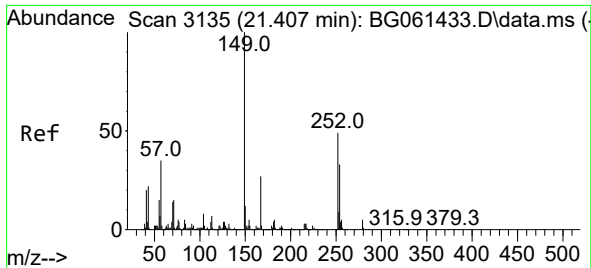
Reviewed By :Jagrut Upadhyay 06/04/2024
 Supervised By :mohammad ahmed 06/05/2024



#85
 Benzo(a)anthracene
 Concen: 149.037 ng/ul
 RT: 21.514 min Scan# 3153
 Delta R.T. 0.020 min
 Lab File: BG061437.D
 Acq: 4 Jun 2024 1:02

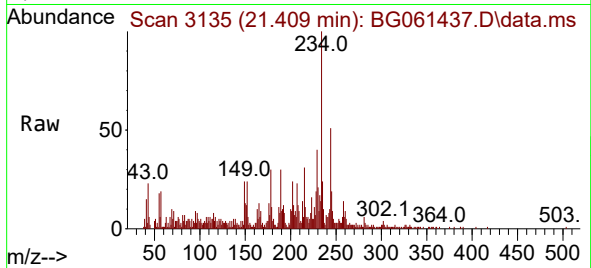
Tgt Ion:228 Resp: 2259421
 Ion Ratio Lower Upper
 228 100
 229 21.6 15.2 22.8
 226 30.0 21.4 32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.096 ng/ul
RT: 21.409 min Scan# 3135
Delta R.T. 0.002 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

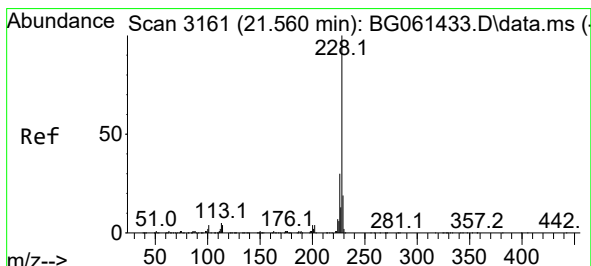
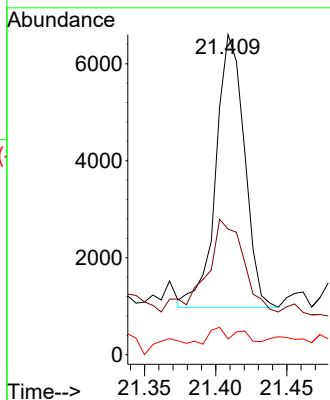
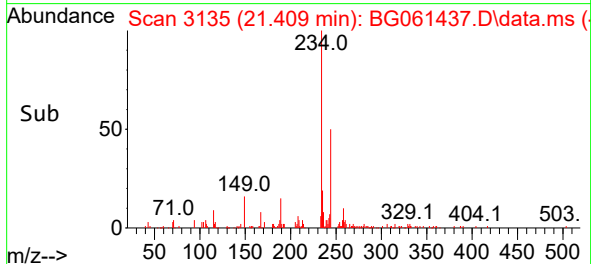
Instrument :
BNA_G
ClientSampleId :
BH5W5



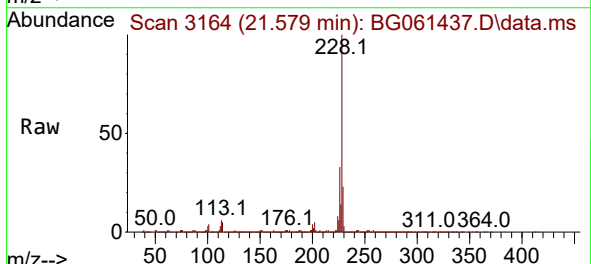
Tgt Ion:149 Resp: 7829
Ion Ratio Lower Upper
149 100
167 39.3 21.1 31.7
279 4.9 3.3 4.9

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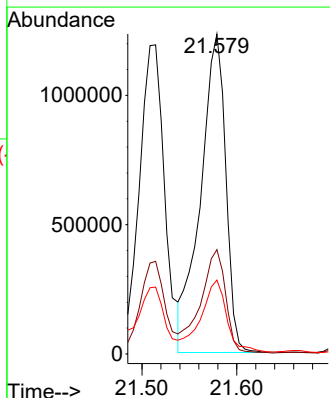
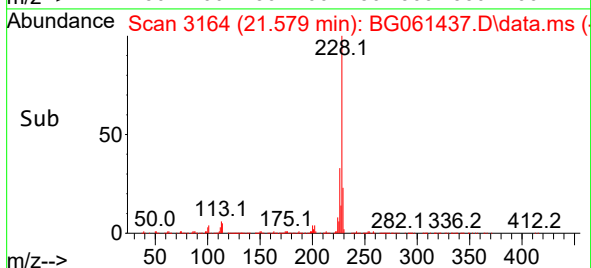
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

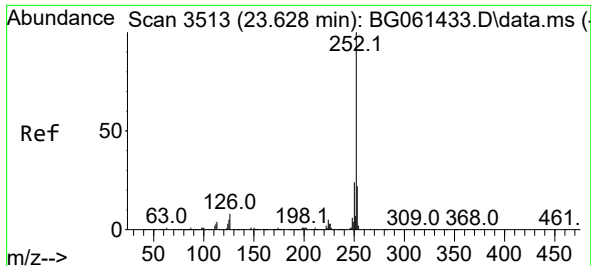


#87
Chrysene
Concen: 163.018 ng/ul
RT: 21.579 min Scan# 3164
Delta R.T. 0.026 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02



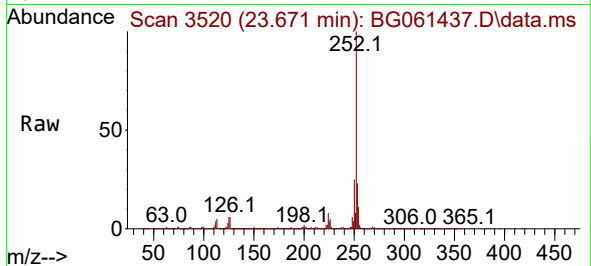
Tgt Ion:228 Resp: 2275602
Ion Ratio Lower Upper
228 100
226 32.6 23.4 35.0
229 23.1 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 198.696 ng/ul
RT: 23.671 min Scan# 3513
Delta R.T. 0.055 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02

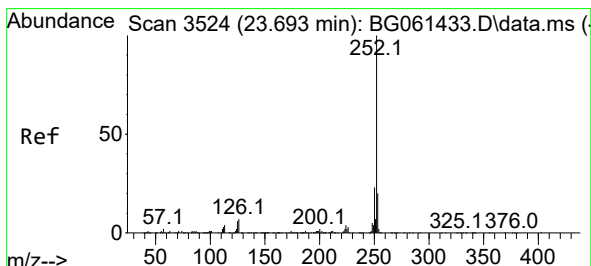
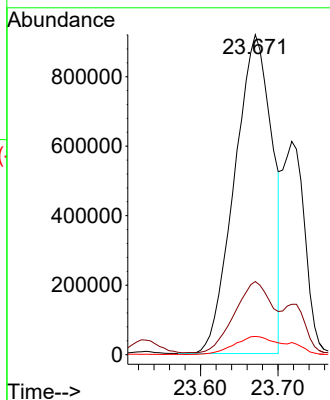
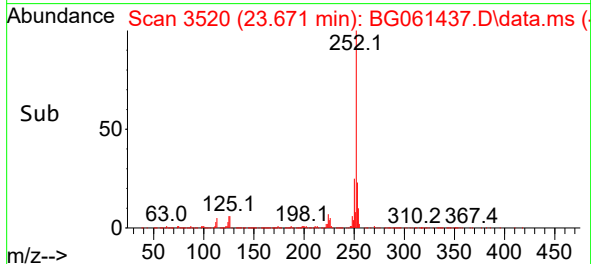
Instrument :
BNA_G
ClientSampleId :
BH5W5



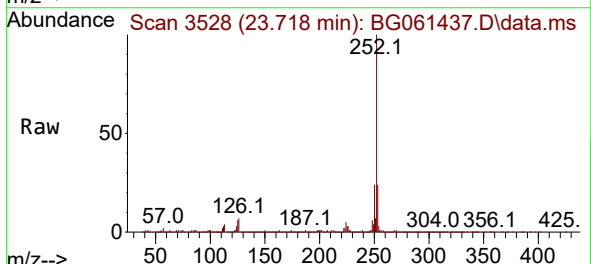
Tgt Ion:252 Resp: 307410
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 5.7 4.6 6.8

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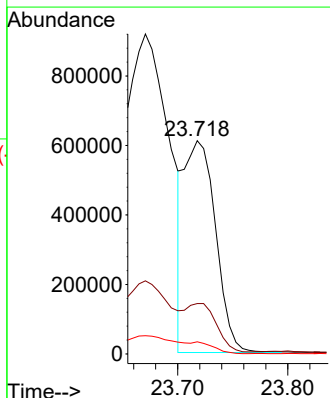
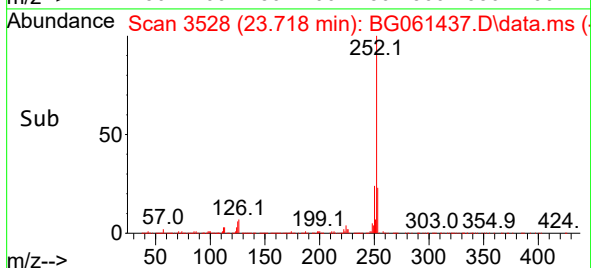
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

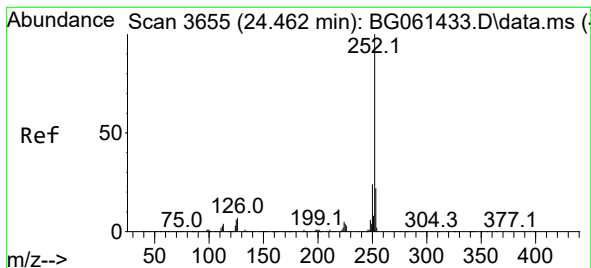


#91
Benzo(k)fluoranthene
Concen: 77.011 ng/ul m
RT: 23.718 min Scan# 3528
Delta R.T. 0.038 min
Lab File: BG061437.D
Acq: 4 Jun 2024 1:02



Tgt Ion:252 Resp: 1209556
Ion Ratio Lower Upper
252 100
253 23.6 16.0 24.0
125 5.7 4.3 6.5





#93

Benzo(a)pyrene

Concen: 155.192 ng/ul

RT: 24.505 min Scan# 30

Delta R.T. 0.055 min

Lab File: BG061437.D

Acq: 4 Jun 2024 1:02

Instrument :

BNA_G

ClientSampleId :

BH5W5

Tgt Ion:252 Resp: 2279958

Ion Ratio Lower Upper

252 100

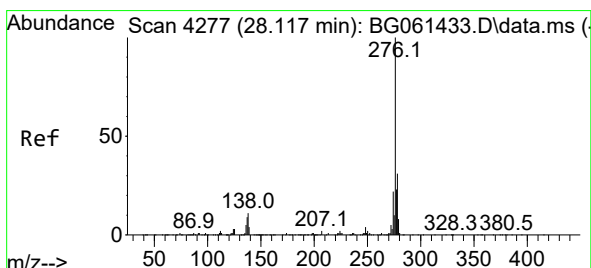
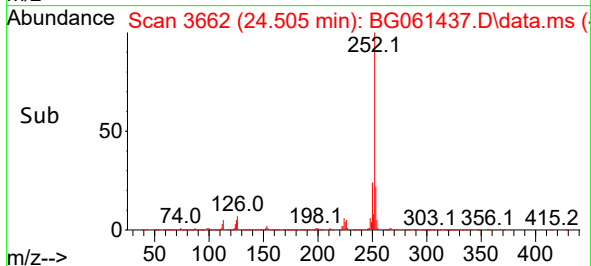
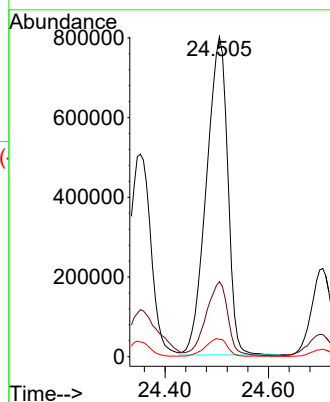
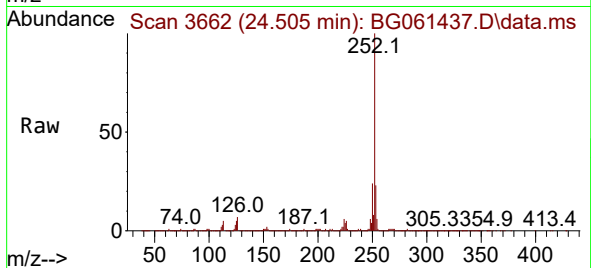
253 23.5 16.4 24.6

125 5.4 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: 82.935 ng/ul

RT: 28.177 min Scan# 4287

Delta R.T. 0.085 min

Lab File: BG061437.D

Acq: 4 Jun 2024 1:02

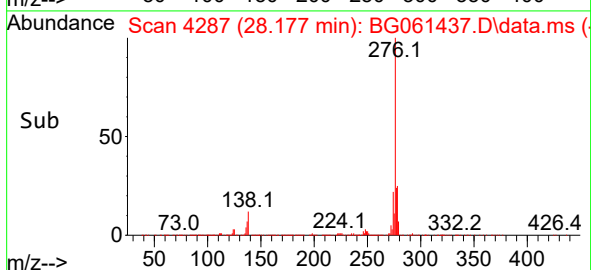
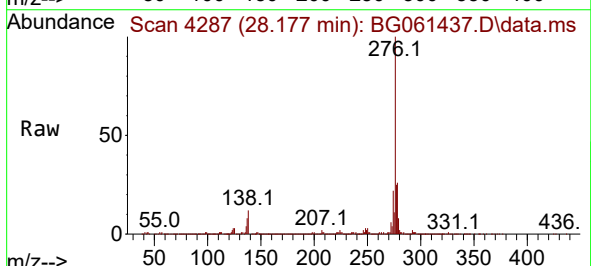
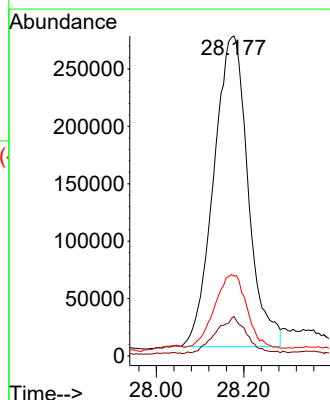
Tgt Ion:276 Resp: 1473431

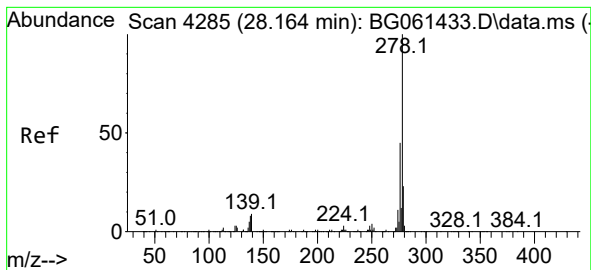
Ion Ratio Lower Upper

276 100

138 12.4 8.6 13.0

277 25.0 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 23.170 ng/ul

RT: 28.189 min Scan# 41

Delta R.T. 0.049 min

Lab File: BG061437.D

Acq: 4 Jun 2024 1:02

Instrument :

BNA_G

ClientSampleId :

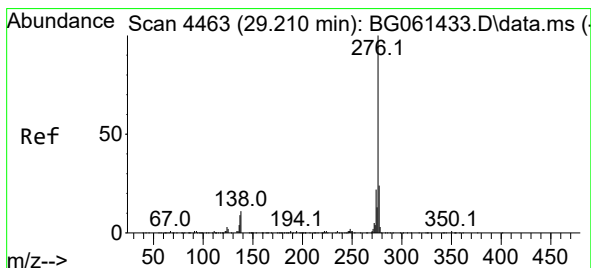
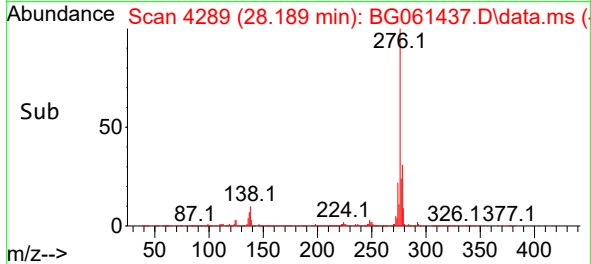
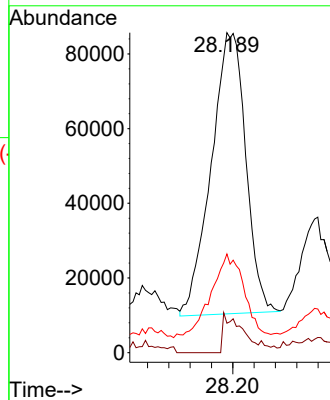
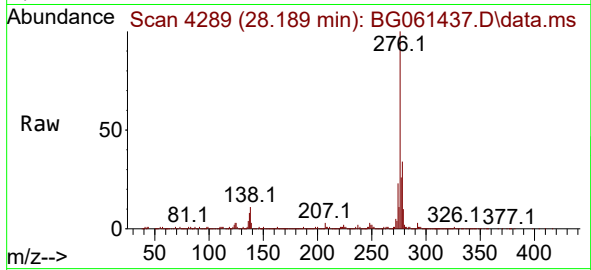
BH5W5

Tgt Ion:278 Resp: 339410
 Ion Ratio Lower Upper
 278 100
 139 9.2 6.4 9.6
 279 30.9 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: 86.732 ng/ul m

RT: 29.264 min Scan# 4472

Delta R.T. 0.090 min

Lab File: BG061437.D

Acq: 4 Jun 2024 1:02

Tgt Ion:276 Resp: 1225836
 Ion Ratio Lower Upper
 276 100
 138 11.5 8.7 13.1
 277 24.4 18.2 27.2

