

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
 Data File : BG061438.D
 Acq On : 4 Jun 2024 1:43
 Operator : MA/JU
 Sample : P2589-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5W6

Manual Integrations
 APPROVED

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

Quant Time: Jun 04 02:33:29 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	28469	20.000	ng/ul	0.00
20) Naphthalene-d8	10.669	136	117648	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.512	164	93632	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.261	188	217361	20.000	ng/ul	0.00
79) Chrysene-d12	21.527	240	231366	20.000	ng/ul	0.01
88) Perylene-d12	24.617	264	270930	20.000	ng/ul	# 0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	1879	3.694	ng/uL	0.00
4) Pyridine-d5	3.736	84	22170	12.250	ng/ul	0.00
7) Phenol-d5	7.062	99	58483	25.015	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.203	67	32880	22.375	ng/ul	0.00
11) 2-Chlorophenol-d4	7.414	132	44529	25.736	ng/ul	0.00
15) 4-Methylphenol-d8	8.595	113	46996	23.575	ng/ul	0.00
21) Nitrobenzene-d5	9.030	128	25028	27.631	ng/ul	0.00
24) 2-Nitrophenol-d4	9.753	143	28539	26.921	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	61618	29.815	ng/ul	0.00
31) 4-Chloroaniline-d4	10.810	131	25560	9.453	ng/ul	0.00
46) Dimethylphthalate-d6	13.918	166	211191	29.082	ng/ul	0.00
49) Acenaphthylene-d8	14.206	160	228098	30.213	ng/ul	0.00
54) 4-Nitrophenol-d4	14.758	143	21354	23.785	ng/ul	0.02
60) Fluorene-d10	15.505	176	186492	29.745	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	27017	20.551	ng/ul	0.01
73) Anthracene-d10	17.361	188	307609	32.100	ng/ul	0.00
81) Pyrene-d10	19.659	212	377836	31.805	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.418	264	422392	32.429	ng/ul	0.03
Target Compounds						
					Qvalue	
30) Naphthalene	10.716	128	7994	1.287	ng/ul#	90
37) 1-Methylnaphthalene	12.549	142	4946	1.070	ng/ul#	82
50) Acenaphthylene	14.236	152	27267m	3.257	ng/ul	
52) Acenaphthene	14.576	153	13759	2.505	ng/ul#	94
56) Dibenzofuran	14.905	168	12610	1.606	ng/ul	90
61) Fluorene	15.563	166	27966	4.116	ng/ul	94
72) Phenanthrene	17.308	178	864946	81.987	ng/ul	99
74) Anthracene	17.397	178	104829	9.610	ng/ul	98
77) Carbazole	17.667	167	63078	7.110	ng/ul	99
78) Di-n-butylphthalate	18.225	149	16465	1.481	ng/ul#	98
80) Fluoranthene	19.330	202	2295125	161.049	ng/ul	97
82) Pyrene	19.694	202	2107668	142.480	ng/ul	99
85) Benzo(a)anthracene	21.509	228	1411624	88.424	ng/ul	96
87) Chrysene	21.574	228	1442043	98.100	ng/ul	96
90) Benzo(b)fluoranthene	23.660	252	1899506	117.755	ng/ul	100
91) Benzo(k)fluoranthene	23.707	252	774560m	47.299	ng/ul	
93) Benzo(a)pyrene	24.494	252	1419288	92.658	ng/ul	95
94) Indeno(1,2,3-cd)pyrene	28.160	276	877659	47.381	ng/ul	99
95) Dibenzo(a,h)anthracene	28.178	278	210927	13.810	ng/ul#	92
96) Benzo(g,h,i)perylene	29.253	276	701743m	47.621	ng/ul	

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

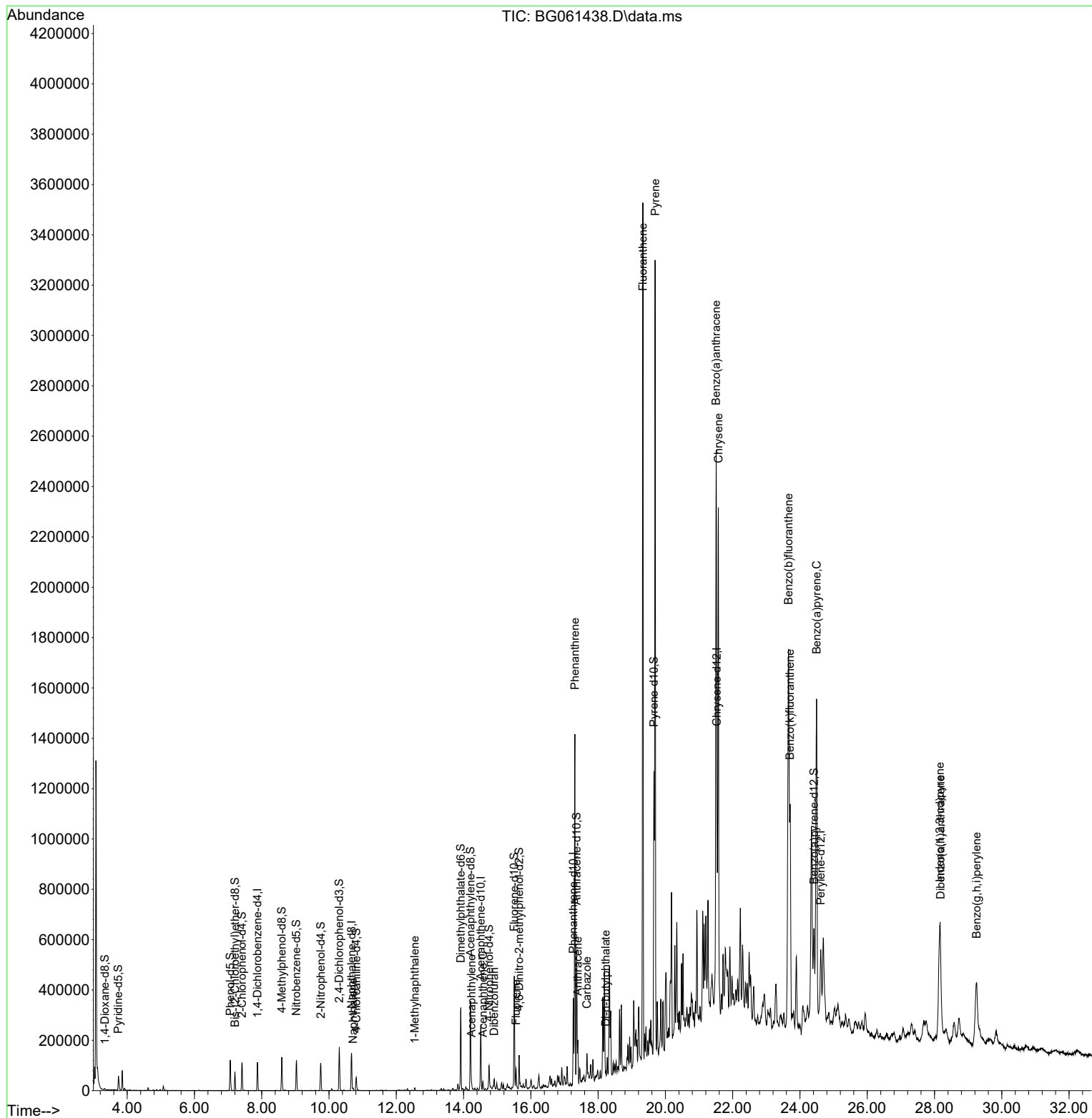
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060324\
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 Operator : MA/JU
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 ALS Vial : 22 Sample Multiplier: 1

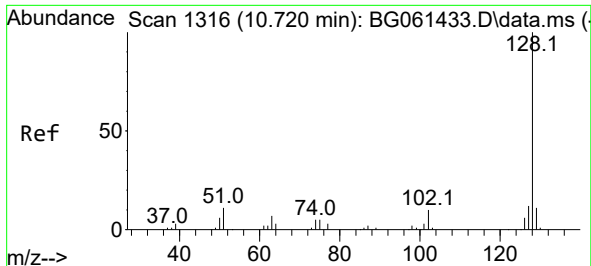
Instrument :
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 ClientSampleId :
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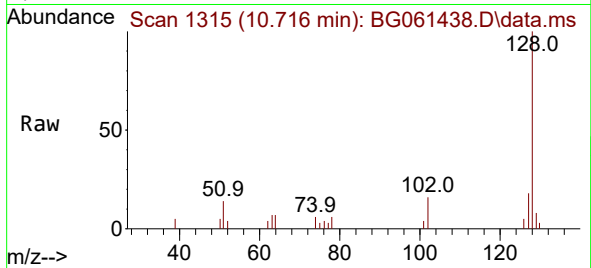
Quant Time: Jun 04 02:33:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
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#30
Naphthalene
Concen: 1.287 ng/ul
RT: 10.716 min Scan# 1316
Delta R.T. -0.003 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

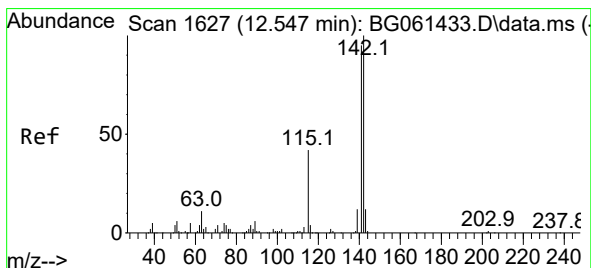
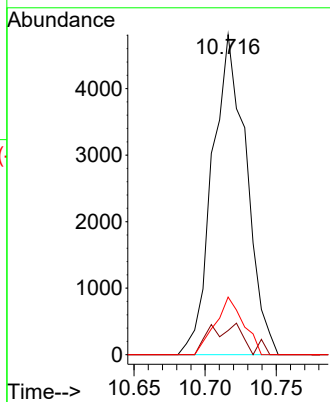
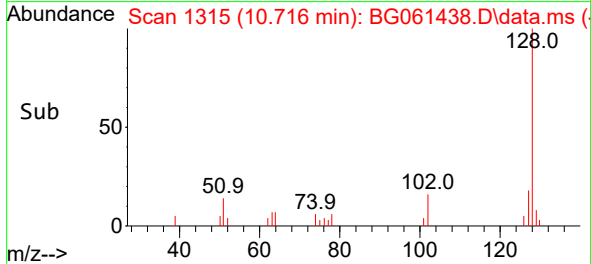
Instrument :
BNA_G
ClientSampleId :
BH5W6



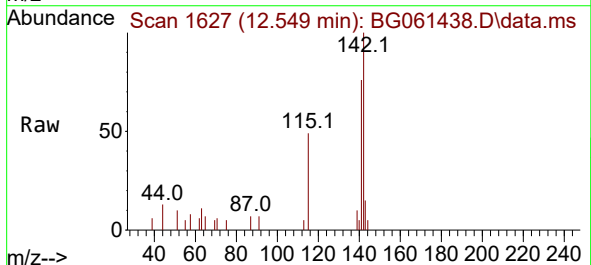
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Ion Ratio Lower Upper
128 100
129 7.5 8.6 12.8
127 18.0 10.8 16.2

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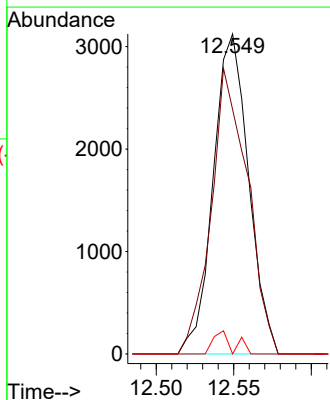
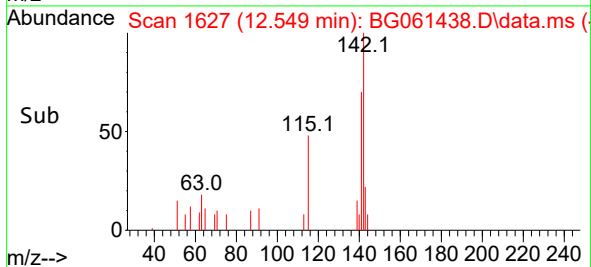
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

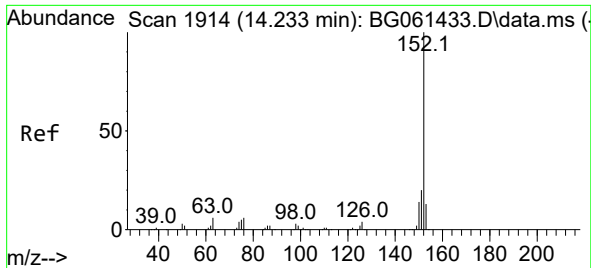


#37
1-Methylnaphthalene
Concen: 1.070 ng/ul
RT: 12.549 min Scan# 1627
Delta R.T. 0.003 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43



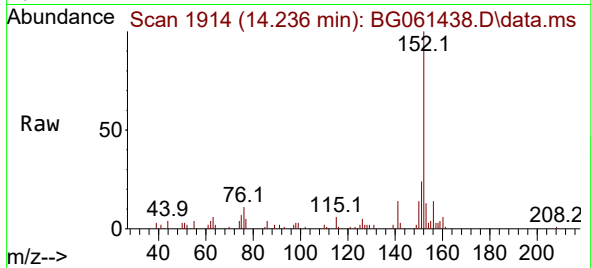
Tgt Ion:142 Resp: 4946
Ion Ratio Lower Upper
142 100
141 76.4 75.5 113.3
116 0.0 4.0 6.0





#50
Acenaphthylene
Concen: 3.257 ng/ul m
RT: 14.236 min Scan# 1914
Delta R.T. 0.003 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

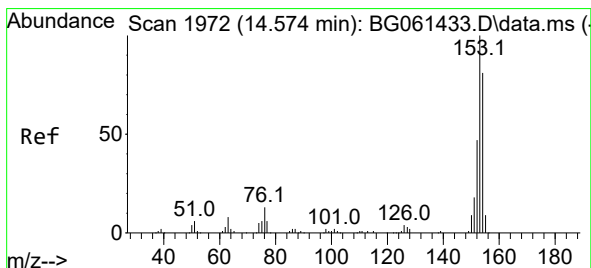
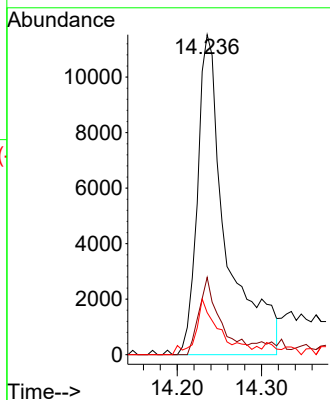
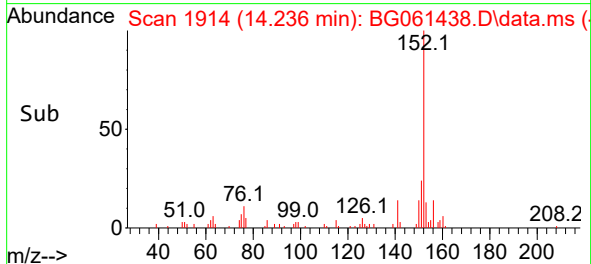
Instrument :
BNA_G
ClientSampleId :
BH5W6



Tgt Ion:152 Resp: 2726
Ion Ratio Lower Upper
152 100
151 24.2 16.2 24.2
153 13.2 10.2 15.4

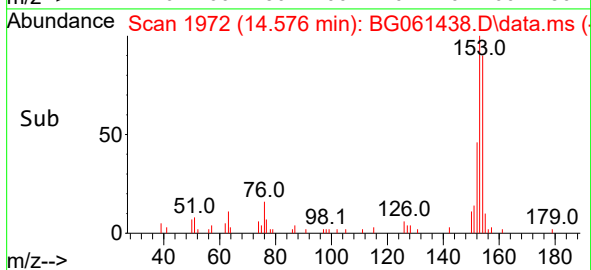
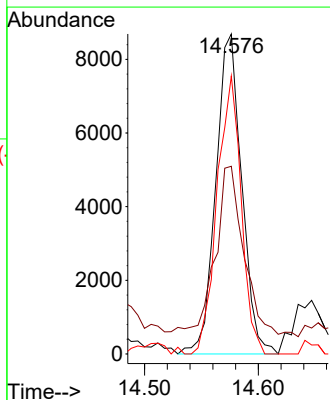
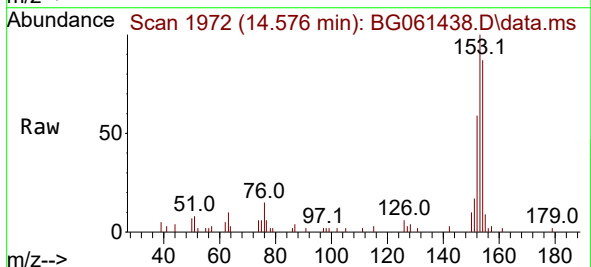
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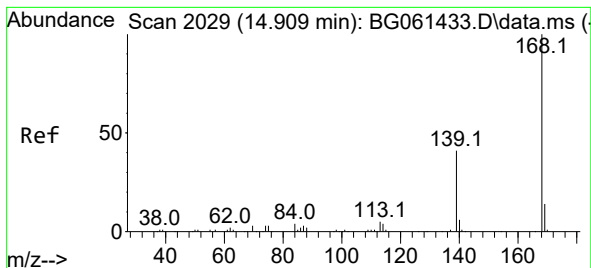
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#52
Acenaphthene
Concen: 2.505 ng/ul
RT: 14.576 min Scan# 1972
Delta R.T. 0.003 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

Tgt Ion:153 Resp: 13759
Ion Ratio Lower Upper
153 100
152 58.6 37.8 56.8#
154 86.9 69.0 103.6





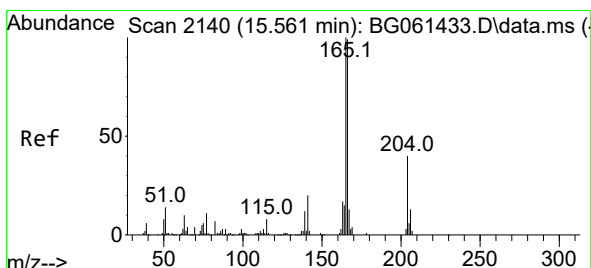
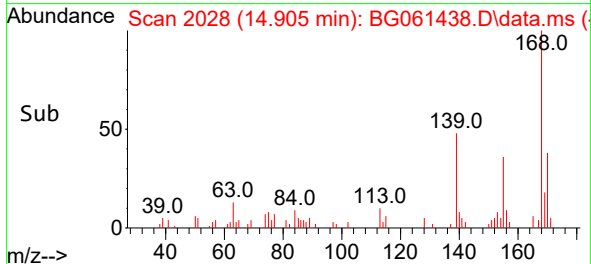
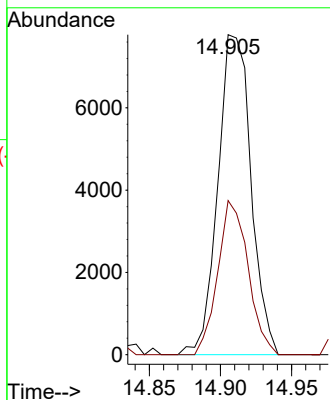
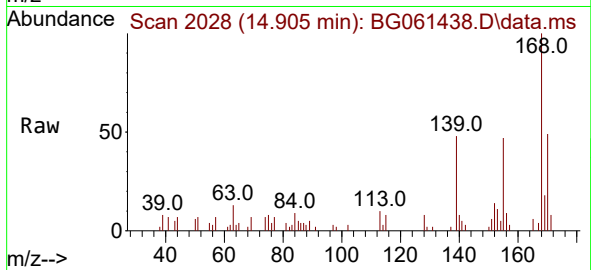
#56
Dibenzenofuran
Concen: 1.606 ng/ul
RT: 14.905 min Scan# 2028
Delta R.T. -0.003 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

Instrument :
BNA_G
ClientSampleId :
BH5W6

Tgt Ion:168 Resp: 12610
Ion Ratio Lower Upper
168 100
139 48.2 33.4 50.2

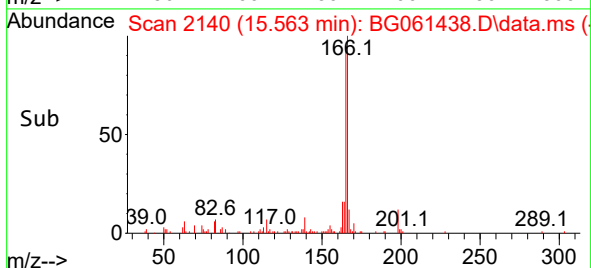
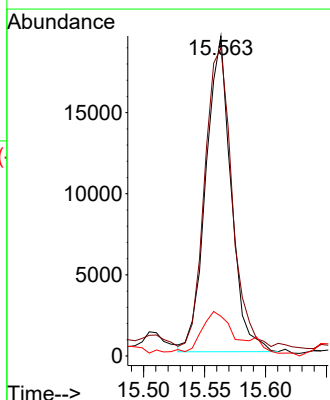
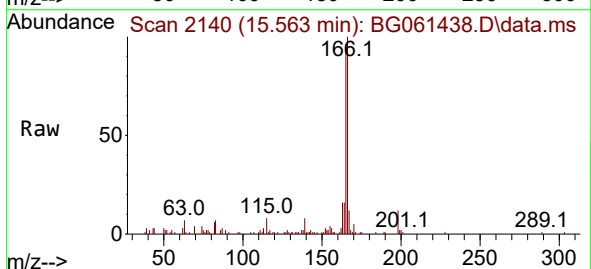
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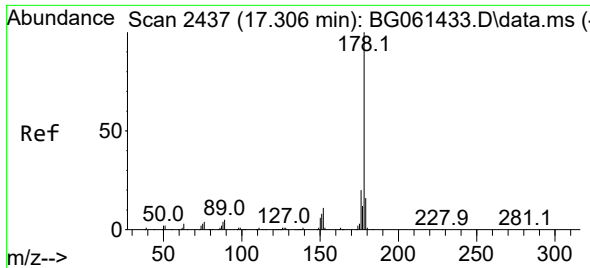
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#61
Fluorene
Concen: 4.116 ng/ul
RT: 15.563 min Scan# 2140
Delta R.T. 0.003 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

Tgt Ion:166 Resp: 27966
Ion Ratio Lower Upper
166 100
165 96.2 81.8 122.8
167 12.4 10.6 16.0





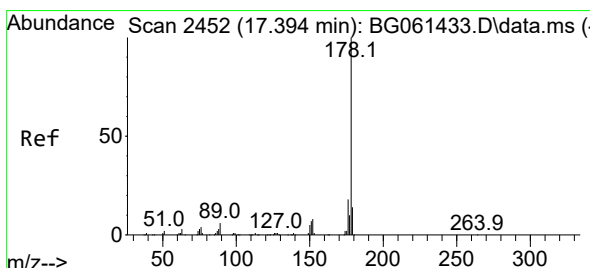
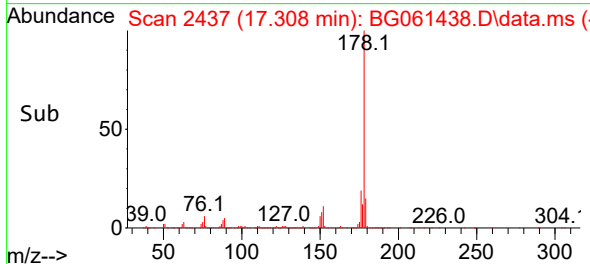
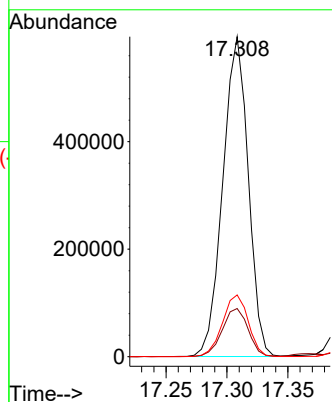
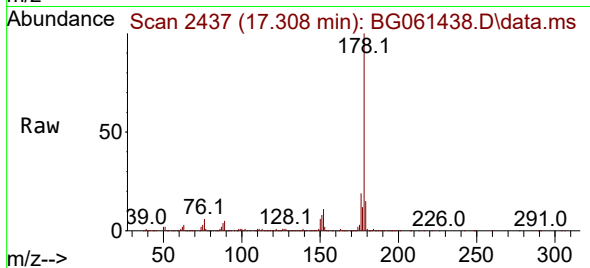
#72
Phenanthrene
Concen: 81.987 ng/ul
RT: 17.308 min Scan# 2437
Delta R.T. 0.009 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

Instrument :
BNA_G
ClientSampleId :
BH5W6

Tgt Ion:178 Resp: 864940
Ion Ratio Lower Upper
178 100
179 15.1 12.7 19.1
176 19.3 15.5 23.3

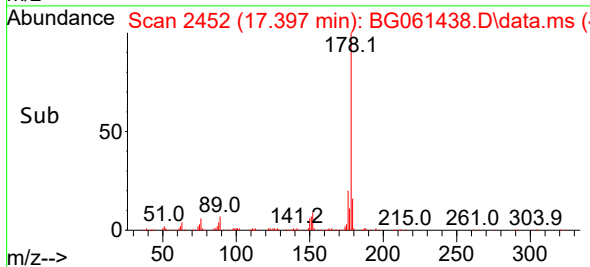
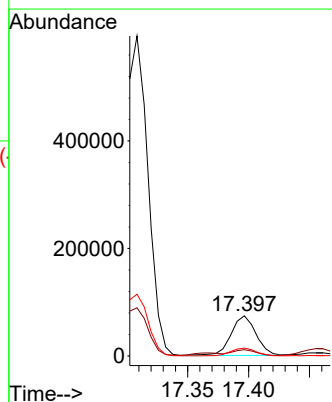
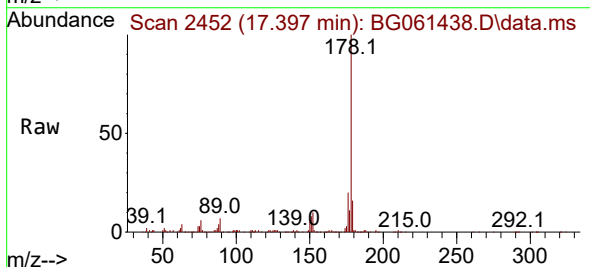
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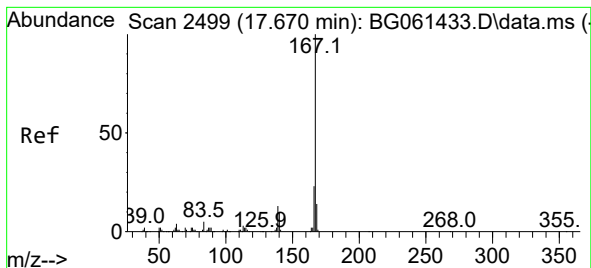
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#74
Anthracene
Concen: 9.610 ng/ul
RT: 17.397 min Scan# 2452
Delta R.T. 0.003 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

Tgt Ion:178 Resp: 104829
Ion Ratio Lower Upper
178 100
179 15.7 11.8 17.6
176 19.6 14.9 22.3





#77

Carbazole

Concen: 7.110 ng/ul

RT: 17.667 min Scan# 2498

Delta R.T. 0.003 min

Lab File: BG061438.D

Acq: 4 Jun 2024 1:43

Instrument :

BNA_G

ClientSampleId :

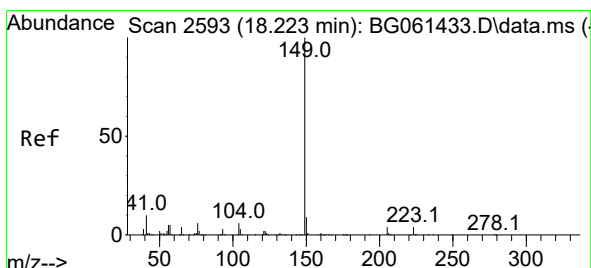
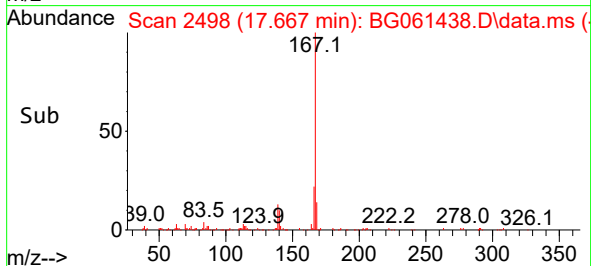
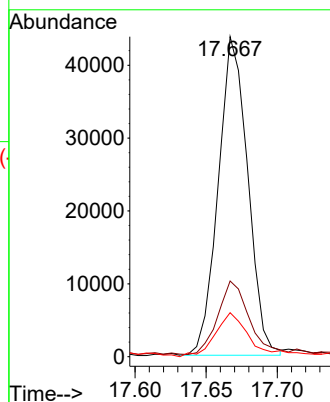
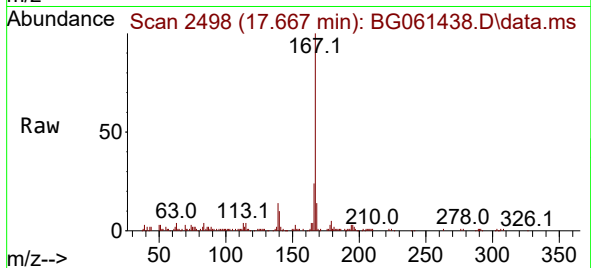
BH5W6

Tgt Ion:167	Resp:	63078
Ion Ratio	Lower	Upper
167	100	
166	23.6	18.6 28.0
139	13.8	10.6 15.8

Manual Integrations

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#78

Di-n-butylphthalate

Concen: 1.481 ng/ul

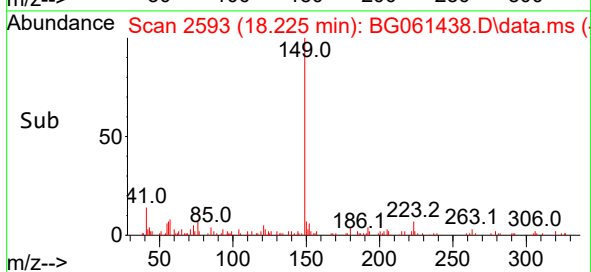
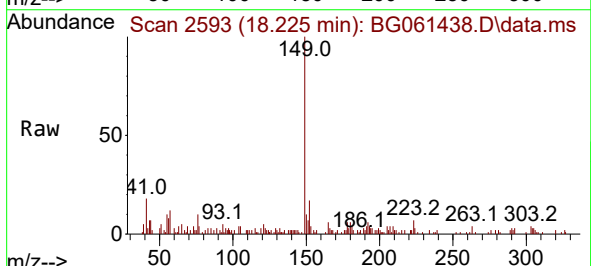
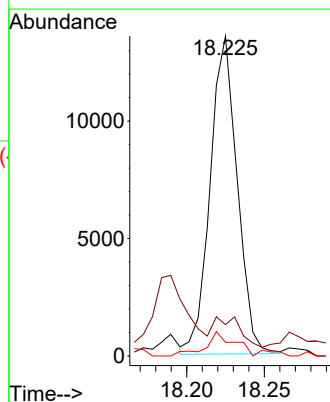
RT: 18.225 min Scan# 2593

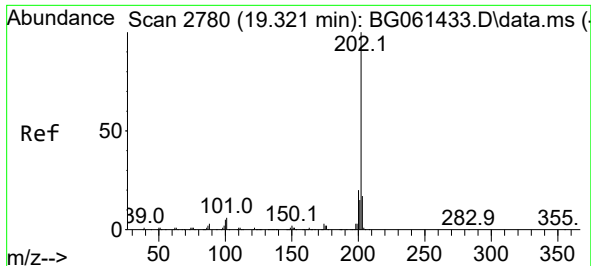
Delta R.T. 0.003 min

Lab File: BG061438.D

Acq: 4 Jun 2024 1:43

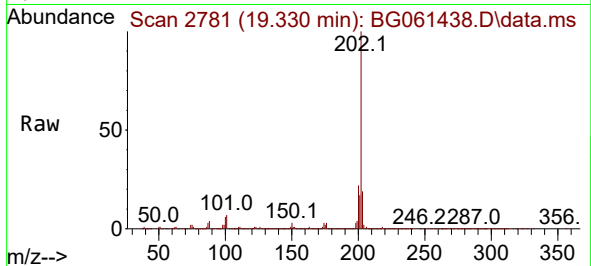
Tgt Ion:149	Resp:	16465
Ion Ratio	Lower	Upper
149	100	
150	9.8	7.8 11.8
104	4.3	4.8 7.2





#80
Fluoranthene
Concen: 161.049 ng/ul
RT: 19.330 min Scan# 21
Delta R.T. 0.015 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

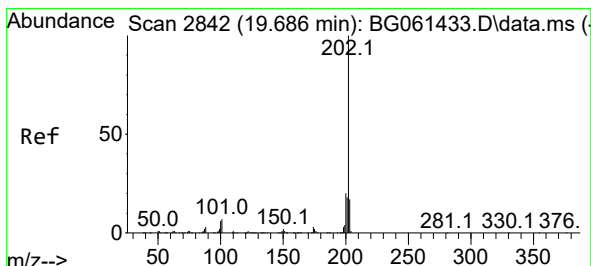
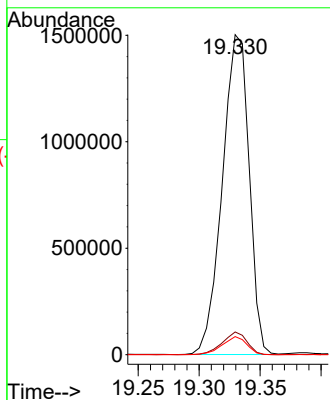
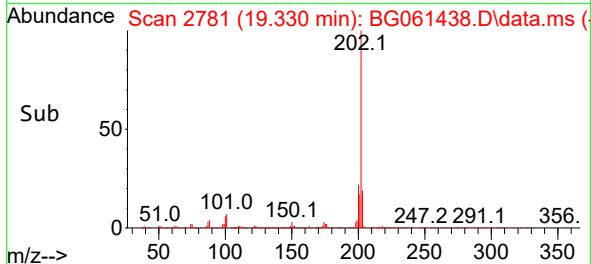
Instrument :
BNA_G
ClientSampleId :
BH5W6



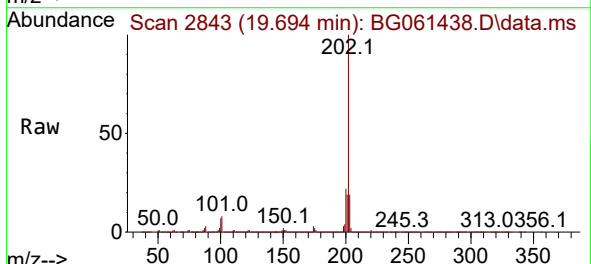
Tgt Ion:202 Resp: 229512
Ion Ratio Lower Upper
202 100
101 7.1 4.8 7.2
100 5.6 4.1 6.1

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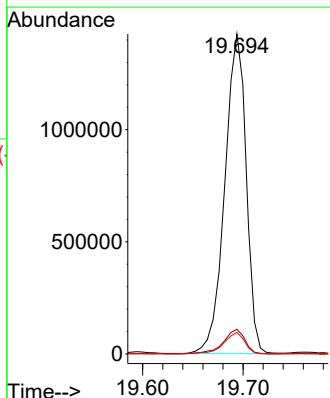
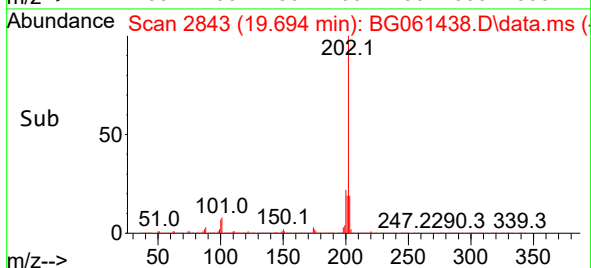
Reviewed By :Jagrut Upadhyay 06/04/2024
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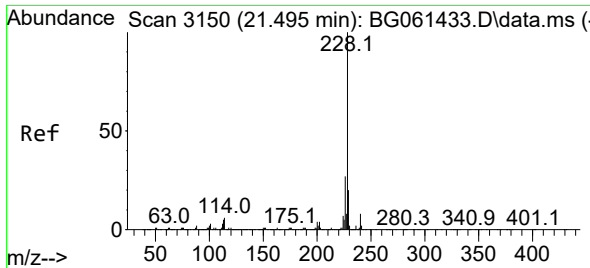


#82
Pyrene
Concen: 142.480 ng/ul
RT: 19.694 min Scan# 2843
Delta R.T. 0.015 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43



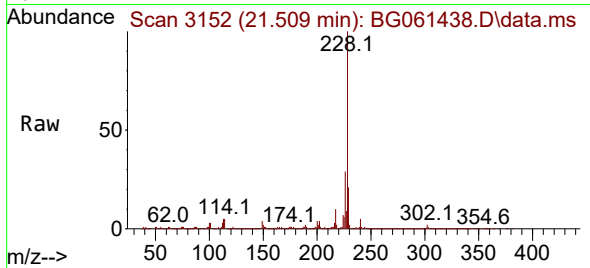
Tgt Ion:202 Resp: 2107668
Ion Ratio Lower Upper
202 100
101 7.7 5.7 8.5
100 6.7 5.1 7.7





#85
Benzo(a)anthracene
Concen: 88.424 ng/ul
RT: 21.509 min Scan# 3152
Delta R.T. 0.015 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

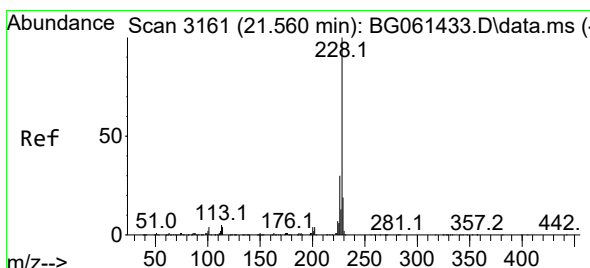
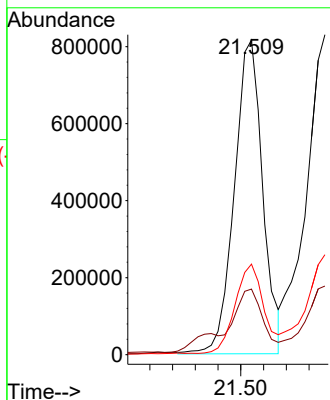
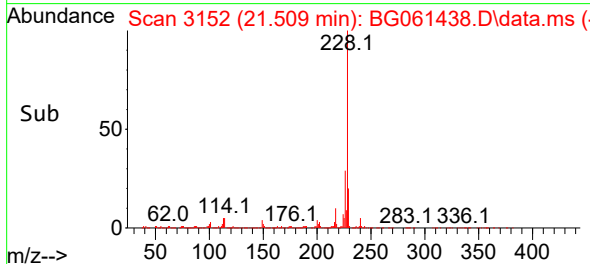
Instrument :
BNA_G
ClientSampleId :
BH5W6



Tgt Ion:228 Resp: 1411624
Ion Ratio Lower Upper
228 100
229 20.9 15.2 22.8
226 28.8 21.4 32.2

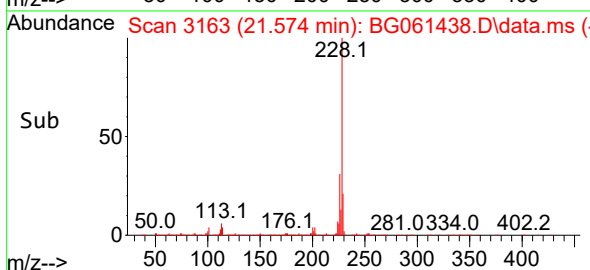
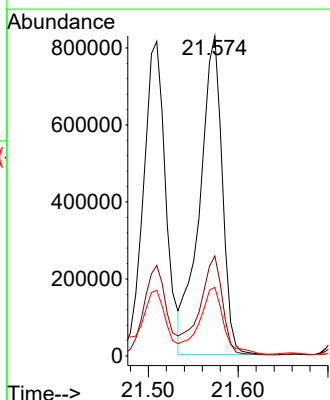
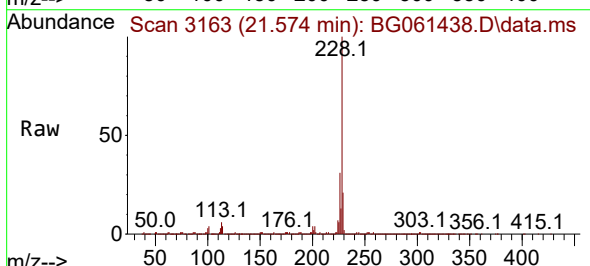
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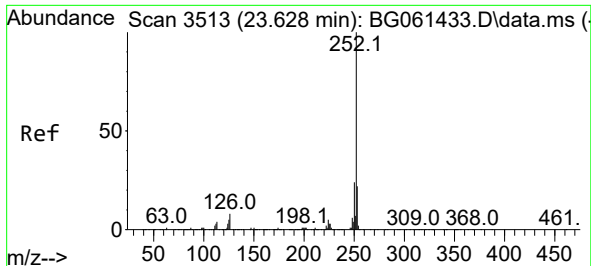
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024



#87
Chrysene
Concen: 98.100 ng/ul
RT: 21.574 min Scan# 3163
Delta R.T. 0.021 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

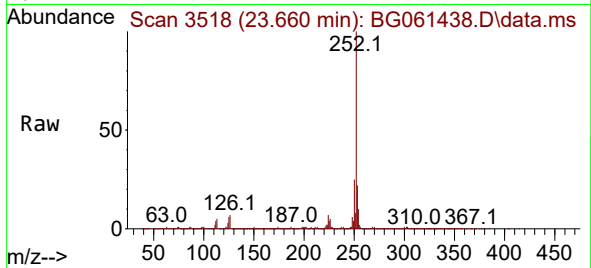
Tgt Ion:228 Resp: 1442043
Ion Ratio Lower Upper
228 100
226 31.3 23.4 35.0
229 21.4 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 117.755 ng/ul
RT: 23.660 min Scan# 3518
Delta R.T. 0.044 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

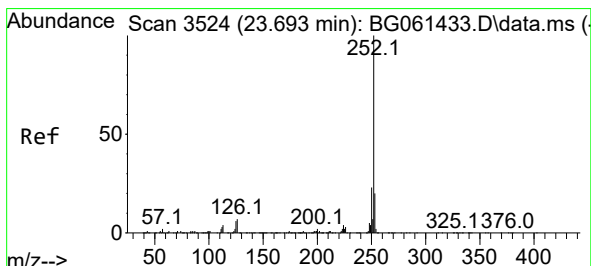
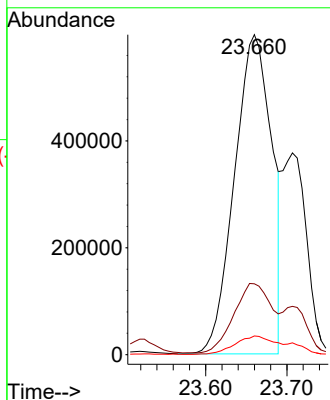
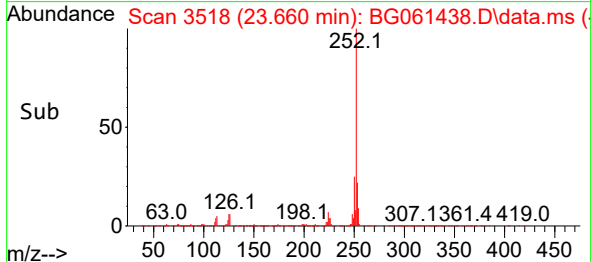
Instrument :
BNA_G
ClientSampleId :
BH5W6



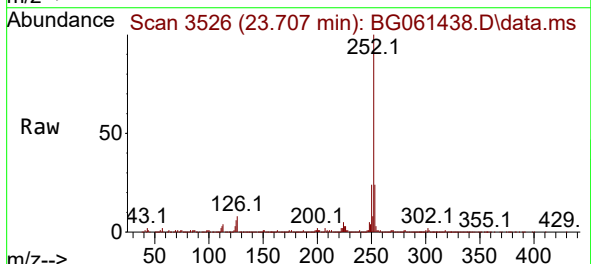
Tgt Ion:252 Resp: 1899500
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 5.9 4.6 6.8

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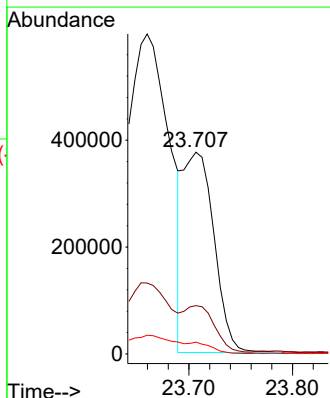
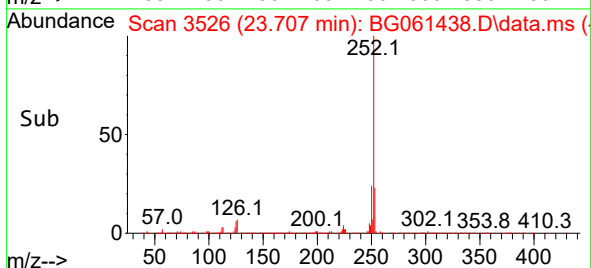
Reviewed By :Jagrut Upadhyay 06/04/2024
Supervised By :mohammad ahmed 06/05/2024

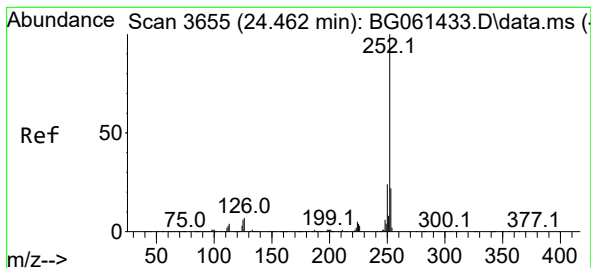


#91
Benzo(k)fluoranthene
Concen: 47.299 ng/ul m
RT: 23.707 min Scan# 3526
Delta R.T. 0.027 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43



Tgt Ion:252 Resp: 774560
Ion Ratio Lower Upper
252 100
253 24.0 16.0 24.0
125 5.9 4.3 6.5





#93

Benzo(a)pyrene

Concen: 92.658 ng/ul

RT: 24.494 min Scan# 3

Delta R.T. 0.044 min

Lab File: BG061438.D

Acq: 4 Jun 2024 1:43

Instrument :

BNA_G

ClientSampleId :

BH5W6

Tgt Ion:252 Resp: 141928

Ion Ratio Lower Upper

252 100

253 23.5 16.4 24.6

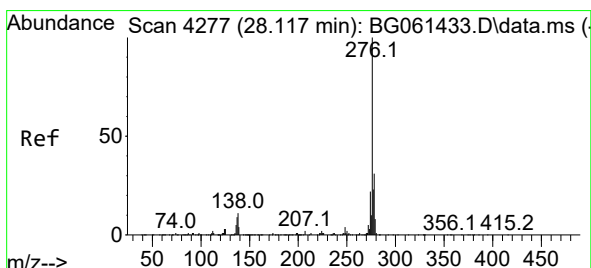
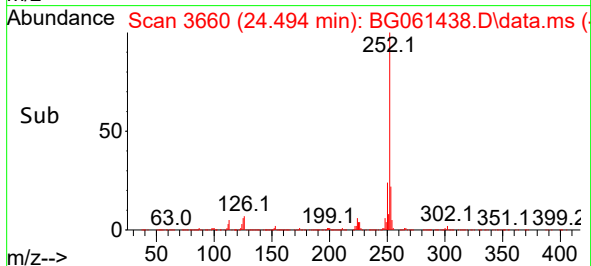
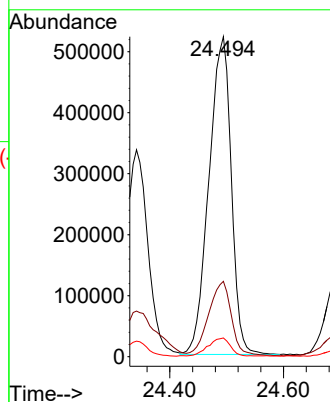
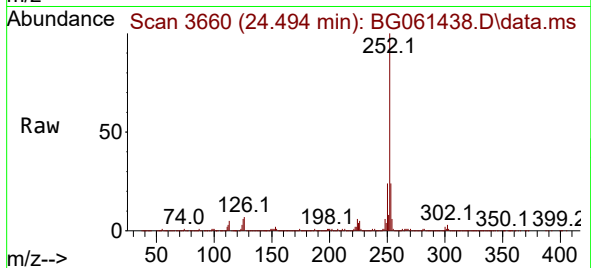
125 5.9 4.3 6.5

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: 47.381 ng/ul

RT: 28.160 min Scan# 4284

Delta R.T. 0.068 min

Lab File: BG061438.D

Acq: 4 Jun 2024 1:43

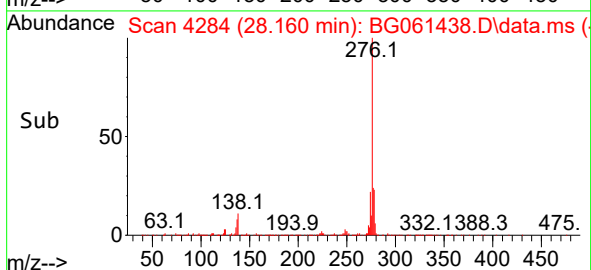
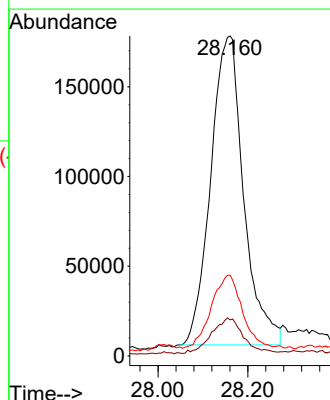
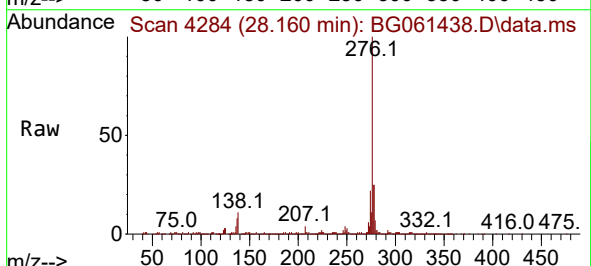
Tgt Ion:276 Resp: 877659

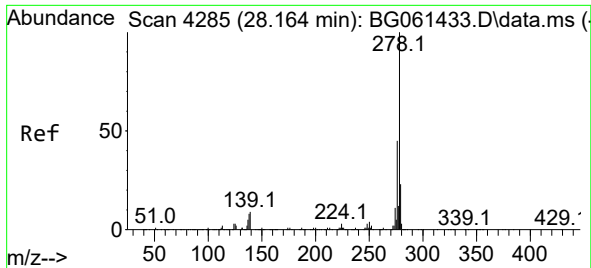
Ion Ratio Lower Upper

276 100

138 11.3 8.6 13.0

277 25.2 19.7 29.5





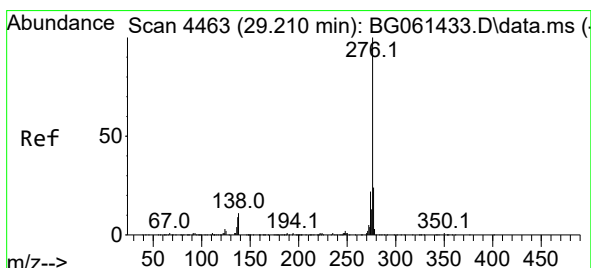
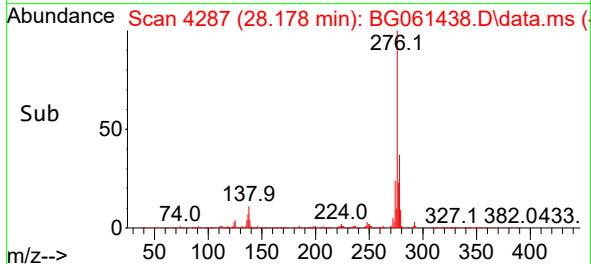
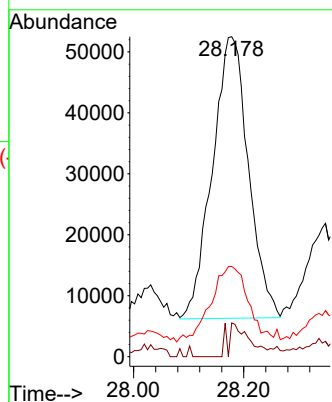
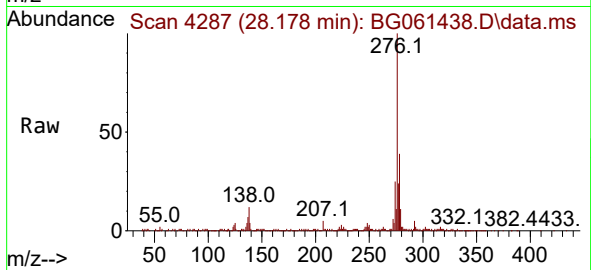
#95
Dibenzo(a,h)anthracene
Concen: 13.810 ng/ul
RT: 28.178 min Scan# 41
Delta R.T. 0.038 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

Instrument :
BNA_G
ClientSampleId :
BH5W6

Tgt Ion:278 Resp: 21092
Ion Ratio Lower Upper
278 100
139 12.6 6.4 9.6
279 28.2 19.9 29.9

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



#96
Benzo(g,h,i)perylene
Concen: 47.621 ng/ul m
RT: 29.253 min Scan# 4470
Delta R.T. 0.079 min
Lab File: BG061438.D
Acq: 4 Jun 2024 1:43

Tgt Ion:276 Resp: 701743
Ion Ratio Lower Upper
276 100
138 11.6 8.7 13.1
277 24.1 18.2 27.2

