

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053124\
 Data File : BG061407.D
 Acq On : 1 Jun 2024 1:02
 Operator : MA/JU
 Sample : P2588-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BH5T9

Manual Integrations
 APPROVED

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

Quant Time: Jun 01 01:54:49 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	26082	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	102036	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.505	164	80006	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.261	188	185632	20.000	ng/u1	0.00
79) Chrysene-d12	21.515	240	191419	20.000	ng/u1	0.00
88) Perylene-d12	24.599	264	219614	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.336	96	1820	3.905	ng/uL	0.00
4) Pyridine-d5	3.741	84	21196	12.784	ng/u1	0.00
7) Phenol-d5	7.055	99	45580	21.280	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.202	67	28008	20.804	ng/u1	0.00
11) 2-Chlorophenol-d4	7.408	132	36402	22.964	ng/u1	0.00
15) 4-Methylphenol-d8	8.589	113	29475	16.139	ng/u1	0.00
21) Nitrobenzene-d5	9.029	128	17766	22.614	ng/u1	0.00
24) 2-Nitrophenol-d4	9.752	143	22058	23.991	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.298	165	42333	23.617	ng/u1	0.00
31) 4-Chloroaniline-d4	10.810	131	18727	7.986	ng/u1	0.00
46) Dimethylphthalate-d6	13.912	166	144456	23.280	ng/u1	0.00
49) Acenaphthylene-d8	14.200	160	159514	24.727	ng/u1	0.00
54) 4-Nitrophenol-d4	14.746	143	15857	20.670	ng/u1	0.00
60) Fluorene-d10	15.504	176	135729	25.336	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.639	200	19487	17.357	ng/u1	0.00
73) Anthracene-d10	17.361	188	214251	26.179	ng/u1	0.00
81) Pyrene-d10	19.652	212	262874	26.746	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.394	264	272013	25.763	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.716	128	12189	2.263	ng/u1	95
36) 2-Methylnaphthalene	12.325	142	10448	2.675	ng/u1	93
37) 1-Methylnaphthalene	12.543	142	12091	3.017	ng/u1#	98
50) Acenaphthylene	14.235	152	29672	4.148	ng/u1	96
52) Acenaphthene	14.570	153	45970	9.796	ng/u1	96
56) Dibenzofuran	14.905	168	45575	6.793	ng/u1	98
61) Fluorene	15.557	166	65046	11.205	ng/u1	97
72) Phenanthrene	17.302	178	1009876	112.086	ng/u1	99
74) Anthracene	17.390	178	252226	27.075	ng/u1	98
77) Carbazole	17.660	167	74607	9.846	ng/u1	98
80) Fluoranthene	19.323	202	1712012	145.202	ng/u1	99
82) Pyrene	19.687	202	1546932	126.397	ng/u1	100
83) Butylbenzylphthalate	20.569	149	9282	2.208	ng/u1	95
85) Benzo(a)anthracene	21.497	228	962540	72.876	ng/u1	98
86) Bis(2-ethylhexyl)phtha...	21.403	149	48903	7.858	ng/u1	97
87) Chrysene	21.562	228	858027	70.551	ng/u1	95
90) Benzo(b)fluoranthene	23.636	252	966107	73.886	ng/u1	99
91) Benzo(k)fluoranthene	23.689	252	372193m	28.039	ng/u1	
93) Benzo(a)pyrene	24.464	252	735538	59.240	ng/u1	95
94) Indeno(1,2,3-cd)pyrene	28.107	276	445564	29.674	ng/u1	99
95) Dibenzo(a,h)anthracene	28.130	278	121993m	9.853	ng/u1	
96) Benzo(g,h,i)perylene	29.200	276	360602	30.188	ng/u1	98

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

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

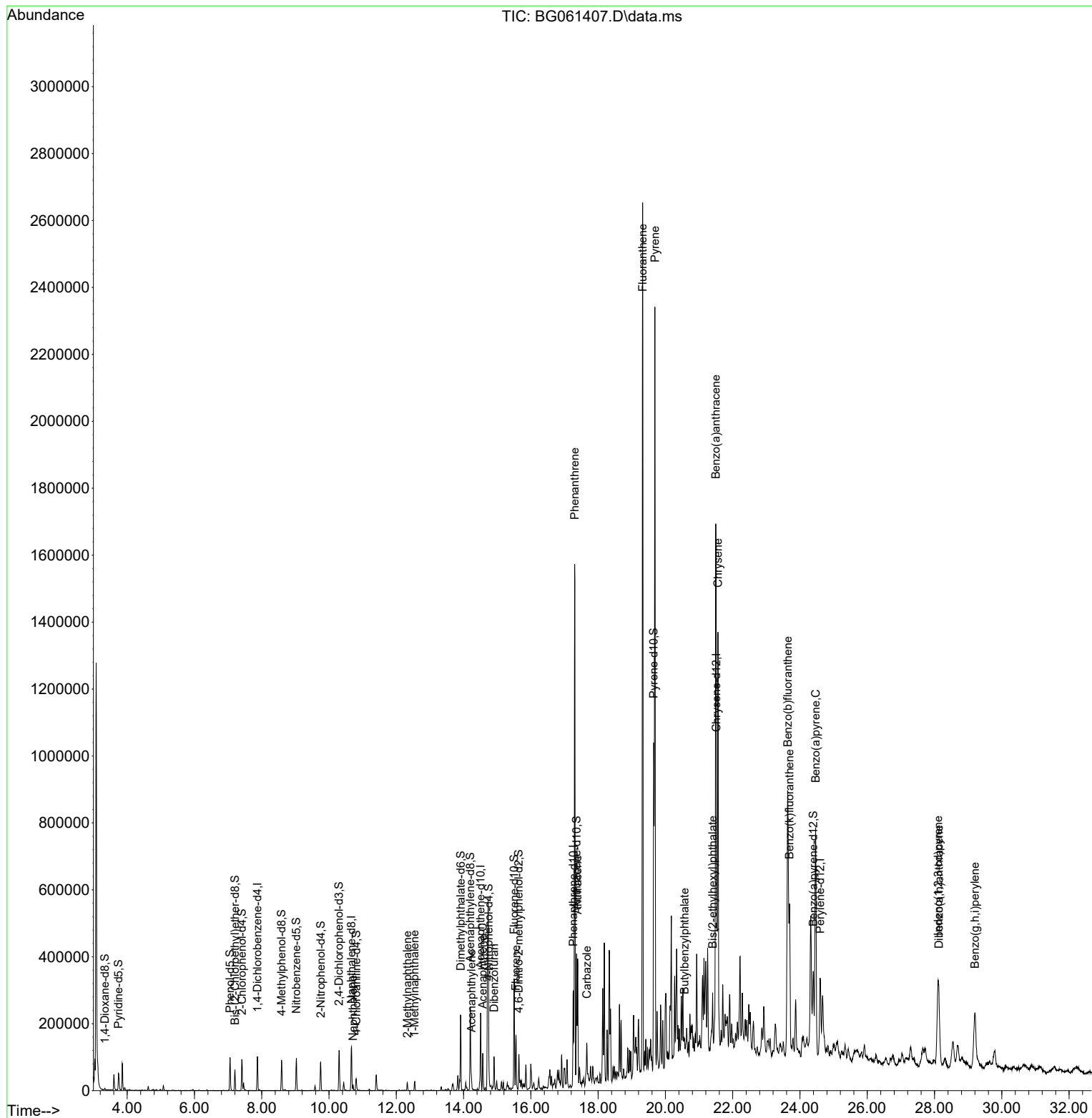
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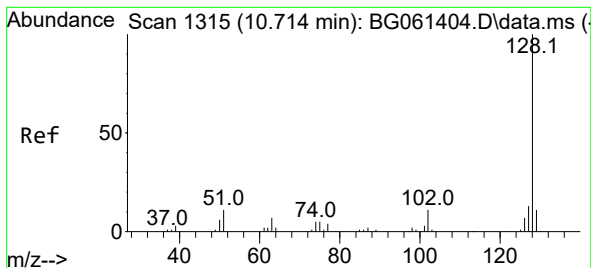
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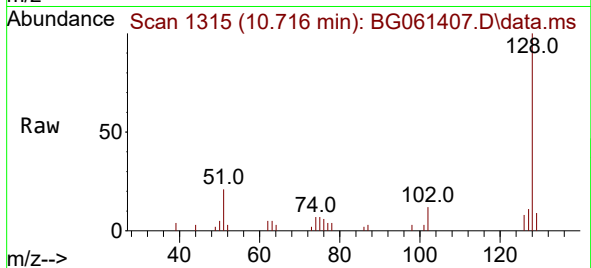
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#30
Naphthalene
Concen: 2.263 ng/ul
RT: 10.716 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02

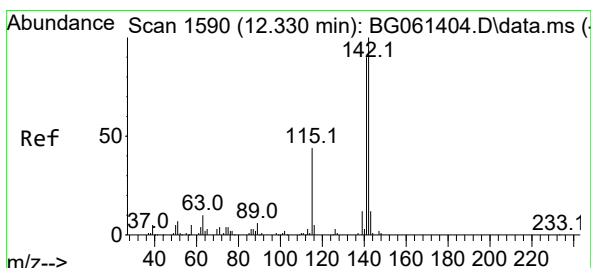
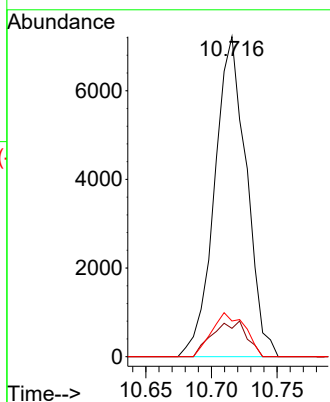
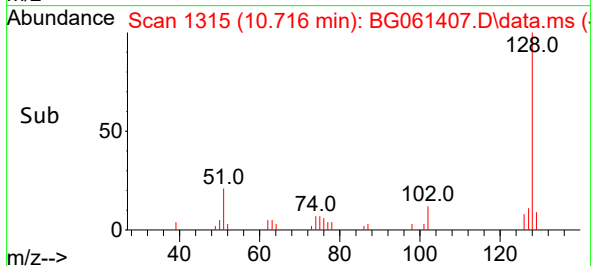
Instrument :
BNA_G
ClientSampleId :
BH5T9



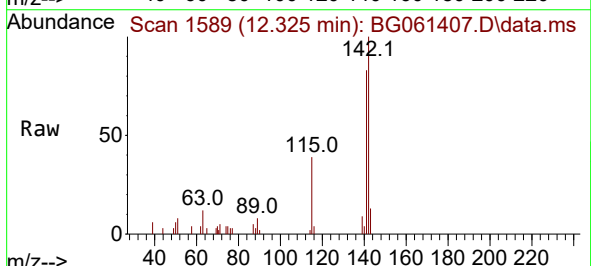
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Ion Ratio Lower Upper
128 100
129 8.8 8.6 12.8
127 11.1 10.8 16.2

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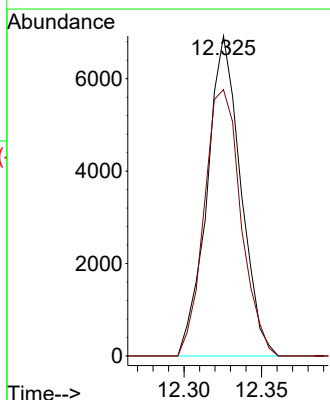
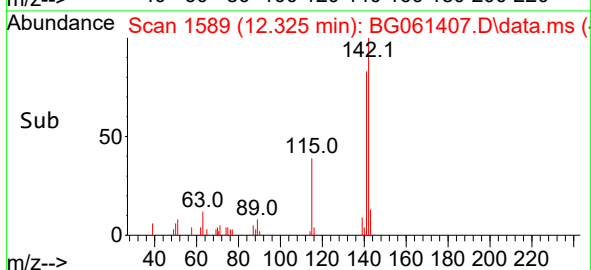
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

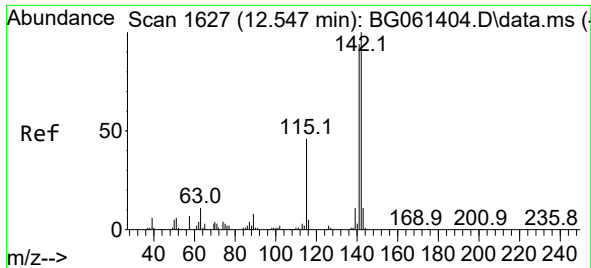


#36
2-Methylnaphthalene
Concen: 2.675 ng/ul
RT: 12.325 min Scan# 1589
Delta R.T. -0.003 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02



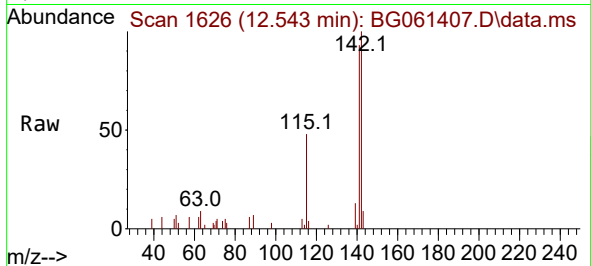
Tgt Ion:142 Resp: 10448
Ion Ratio Lower Upper
142 100
141 83.3 72.2 108.2





#37
1-Methylnaphthalene
Concen: 3.017 ng/ul
RT: 12.543 min Scan# 1626
Delta R.T. -0.003 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02

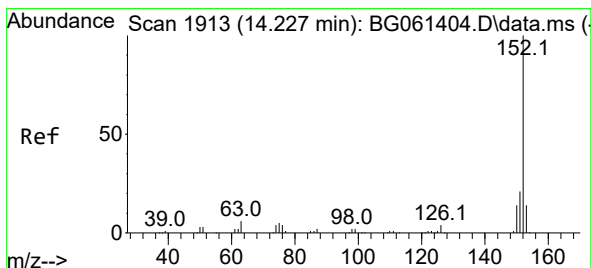
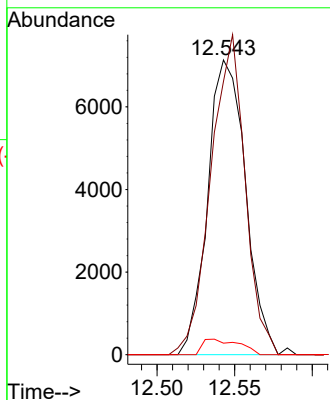
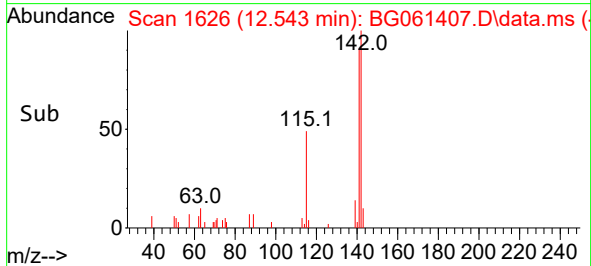
Instrument :
BNA_G
ClientSampleId :
BH5T9



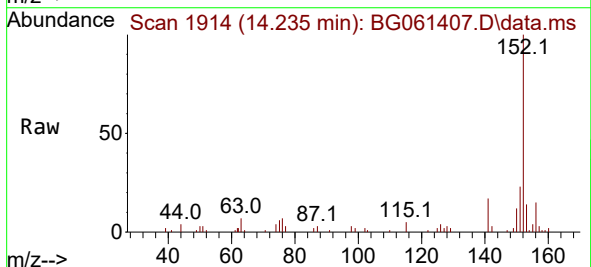
Tgt Ion:142 Resp: 1209
Ion Ratio Lower Upper
142 100
141 92.7 75.5 113.3
116 3.9 4.0 6.0

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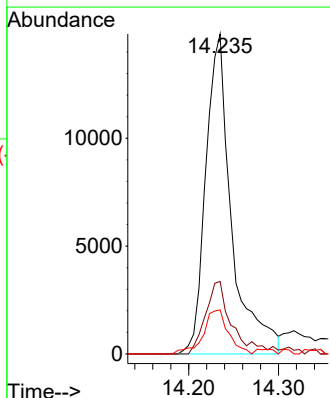
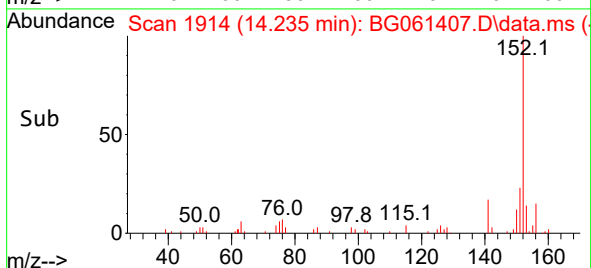
Reviewed By :Jagrut Upadhyay 06/03/2024
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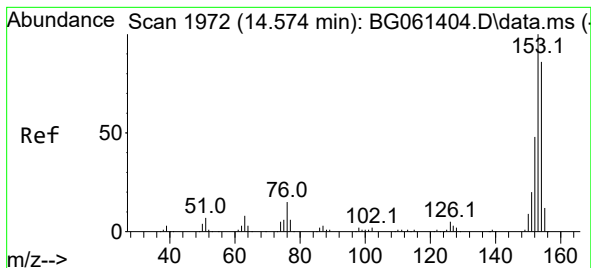


#50
Acenaphthylene
Concen: 4.148 ng/ul
RT: 14.235 min Scan# 1914
Delta R.T. 0.003 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02



Tgt Ion:152 Resp: 29672
Ion Ratio Lower Upper
152 100
151 22.7 16.2 24.2
153 13.8 10.2 15.4





#52

Acenaphthene

Concen: 9.796 ng/ul

RT: 14.570 min Scan# 1972

Delta R.T. -0.003 min

Lab File: BG061407.D

Acq: 1 Jun 2024 1:02

Instrument :

BNA_G

ClientSampleId :

BH5T9

Tgt Ion:153 Resp: 45970

Ion Ratio Lower Upper

153 100

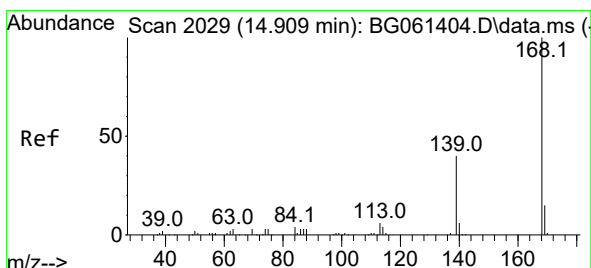
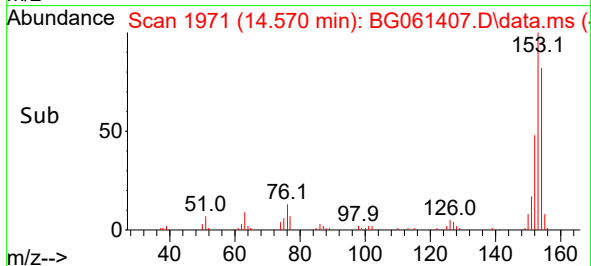
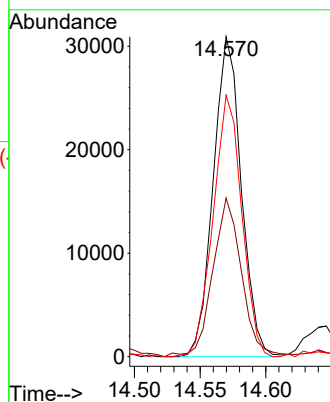
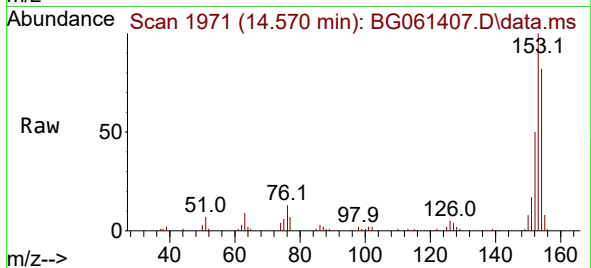
152 49.6 37.8 56.8

154 81.7 69.0 103.6

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#56

Dibenzofuran

Concen: 6.793 ng/ul

RT: 14.905 min Scan# 2028

Delta R.T. -0.003 min

Lab File: BG061407.D

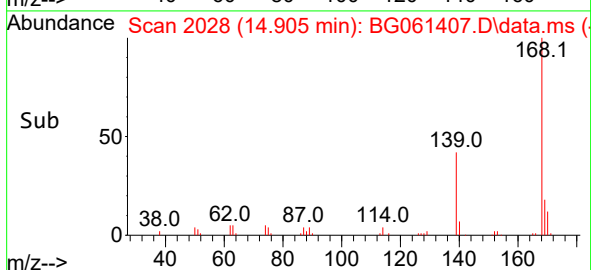
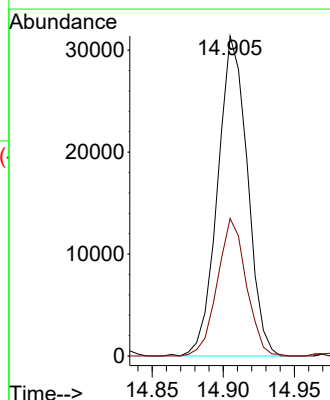
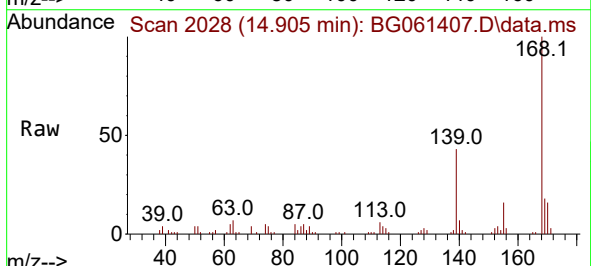
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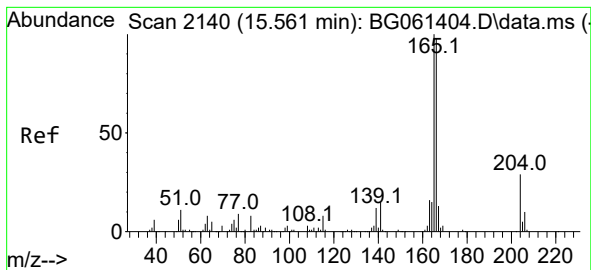
Tgt Ion:168 Resp: 45575

Ion Ratio Lower Upper

168 100

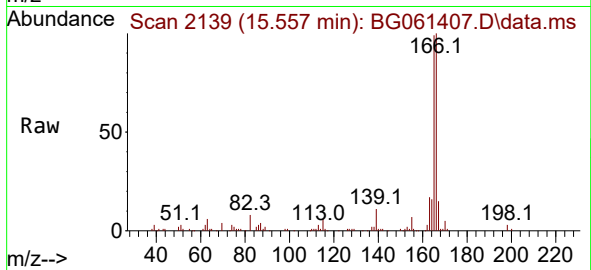
139 43.0 33.4 50.2





#61
Fluorene
Concen: 11.205 ng/uI
RT: 15.557 min Scan# 2139
Delta R.T. -0.003 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02

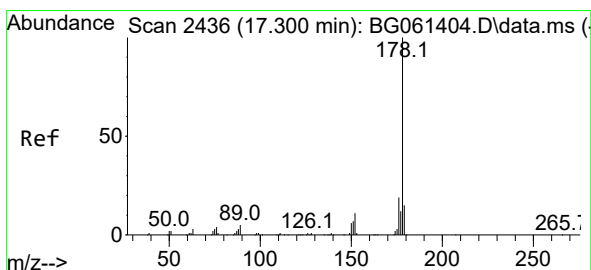
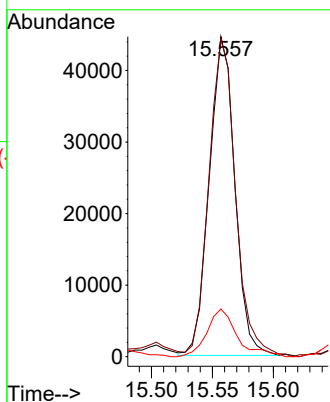
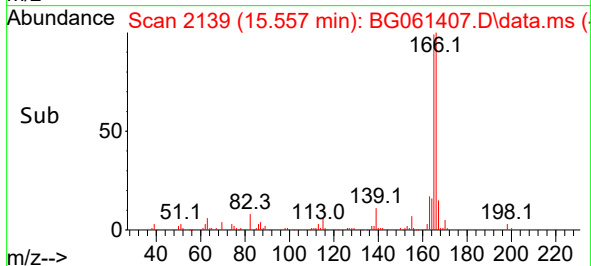
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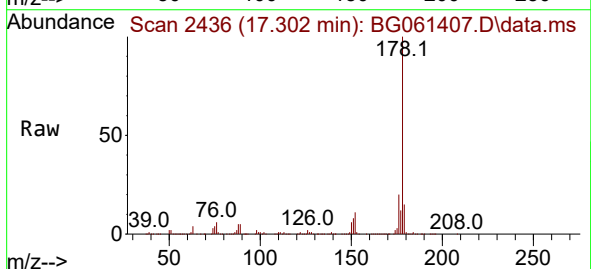
Tgt Ion:166 Resp: 65040
Ion Ratio Lower Upper
166 100
165 99.4 81.8 122.8
167 14.9 10.6 16.0

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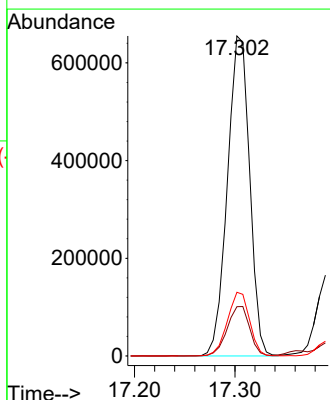
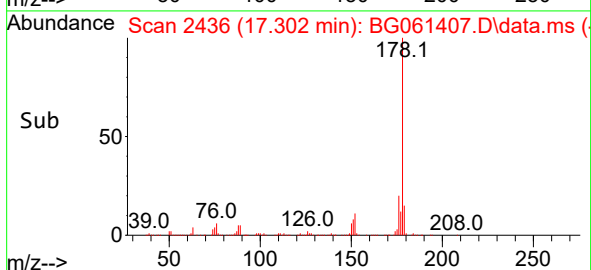
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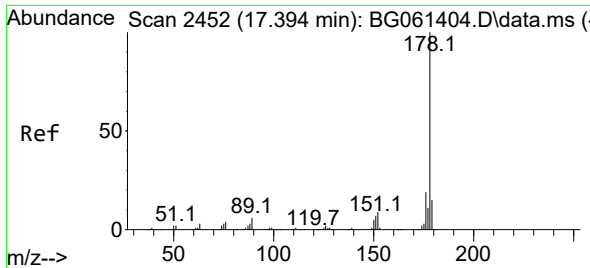


#72
Phenanthrene
Concen: 112.086 ng/uI
RT: 17.302 min Scan# 2436
Delta R.T. 0.003 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02



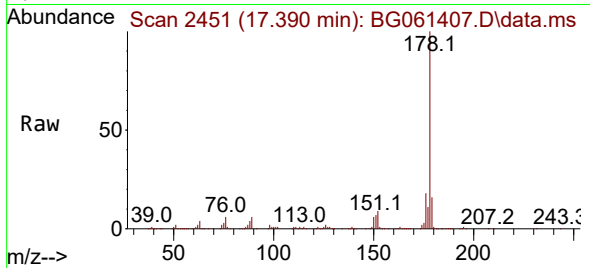
Tgt Ion:178 Resp: 1009876
Ion Ratio Lower Upper
178 100
179 15.4 12.7 19.1
176 19.9 15.5 23.3





#74
 Anthracene
 Concen: 27.075 ng/ul
 RT: 17.390 min Scan# 2452
 Delta R.T. -0.003 min
 Lab File: BG061407.D
 Acq: 1 Jun 2024 1:02

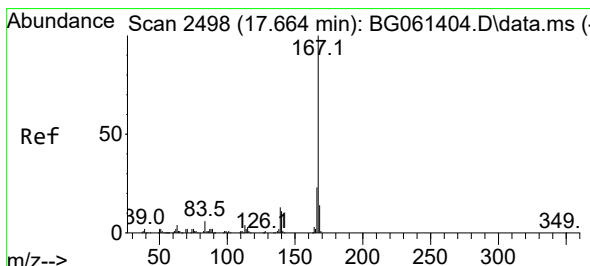
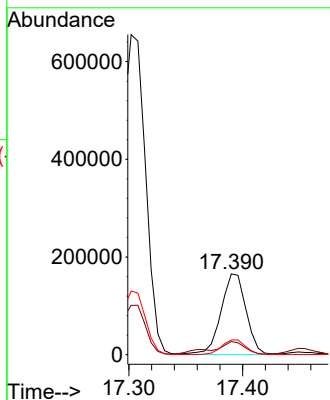
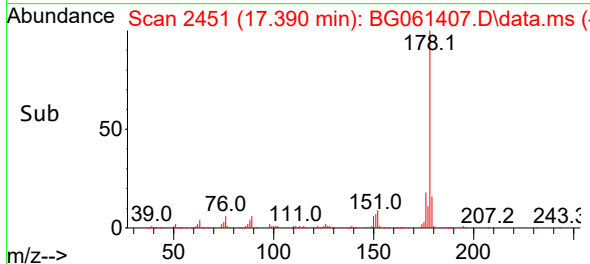
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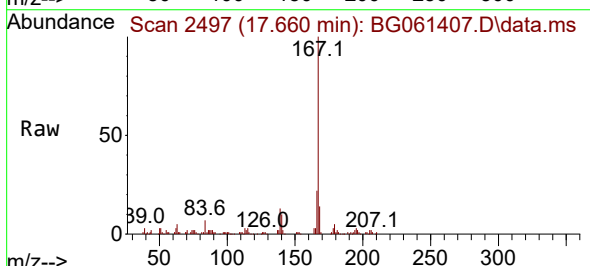
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 Ion Ratio Lower Upper
 178 100
 179 16.3 11.8 17.6
 176 18.3 14.9 22.3

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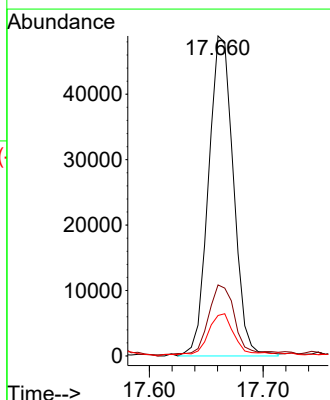
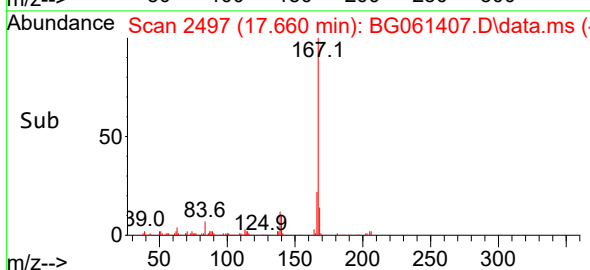
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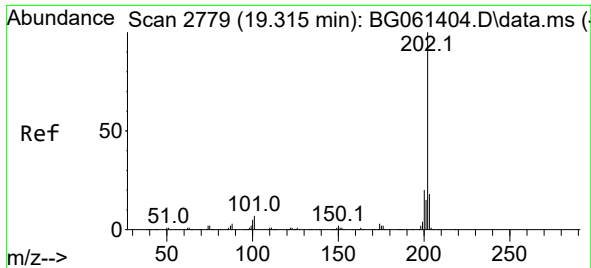


#77
 Carbazole
 Concen: 9.846 ng/ul
 RT: 17.660 min Scan# 2497
 Delta R.T. -0.003 min
 Lab File: BG061407.D
 Acq: 1 Jun 2024 1:02



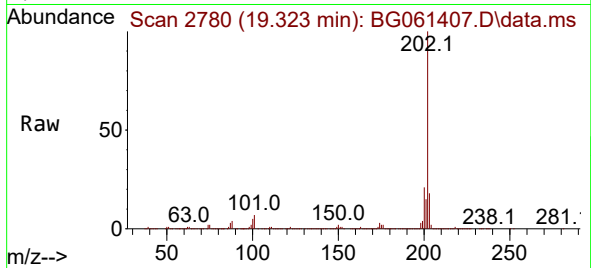
Tgt Ion:167 Resp: 74607
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.6 28.0
 139 12.7 10.6 15.8





#80
Fluoranthene
Concen: 145.202 ng/ul
RT: 19.323 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02

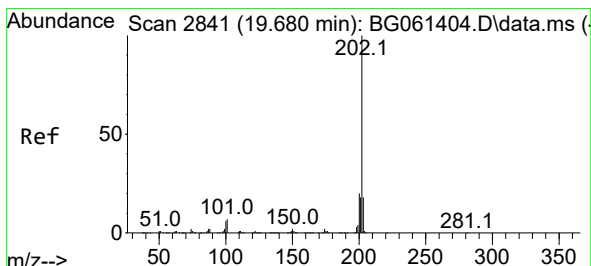
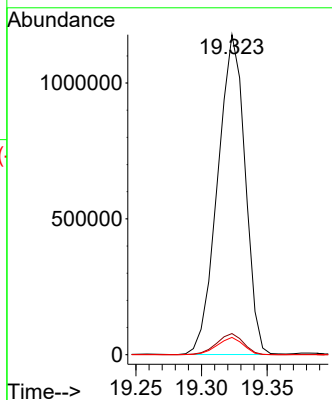
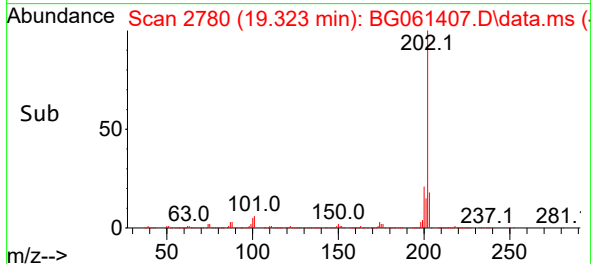
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Tgt Ion:202 Resp: 171201
Ion Ratio Lower Upper
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101 6.6 4.8 7.2
100 5.4 4.1 6.1

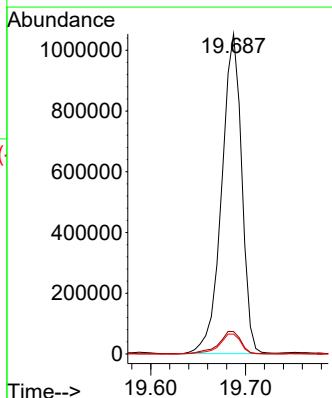
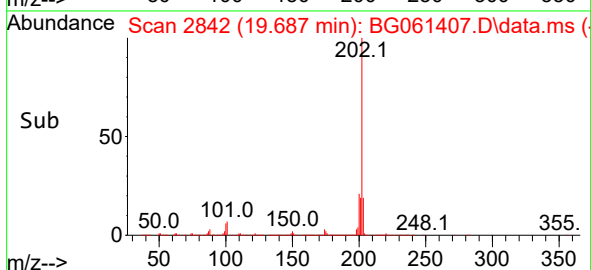
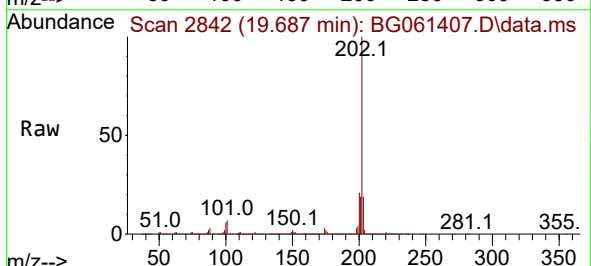
Manual Integrations
APPROVED

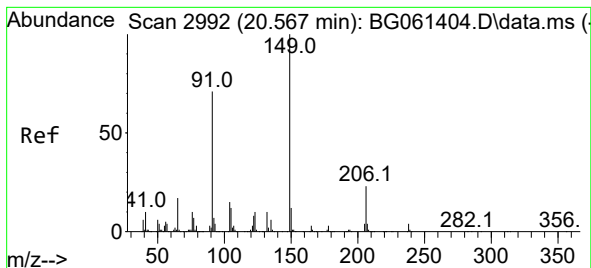
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024



#82
Pyrene
Concen: 126.397 ng/ul
RT: 19.687 min Scan# 2842
Delta R.T. 0.008 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02

Tgt Ion:202 Resp: 1546932
Ion Ratio Lower Upper
202 100
101 7.0 5.7 8.5
100 6.2 5.1 7.7





#83

Butylbenzylphthalate

Concen: 2.208 ng/ul

RT: 20.569 min Scan# 2992

Delta R.T. -0.003 min

Lab File: BG061407.D

Acq: 1 Jun 2024 1:02

Instrument :

BNA_G

ClientSampleId :

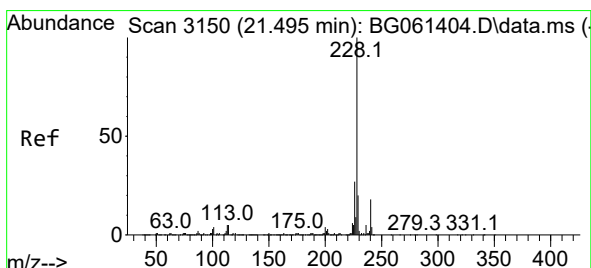
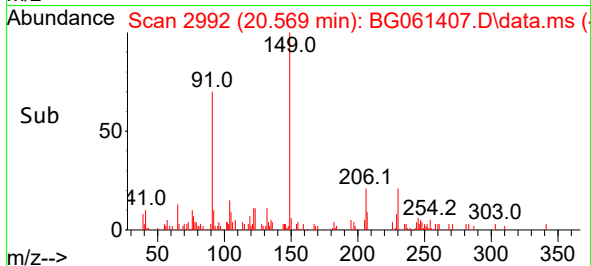
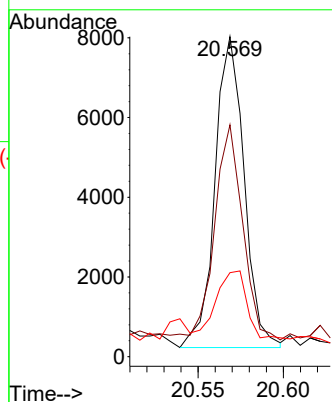
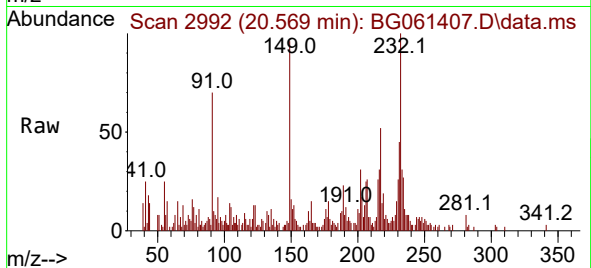
BH5T9

Tgt Ion:	149	Resp:	928
Ion Ratio	Lower	Upper	
149	100		
91	72.5	54.8	82.2
206	26.3	19.4	29.0

Manual Integrations

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



#85

Benzo(a)anthracene

Concen: 72.876 ng/ul

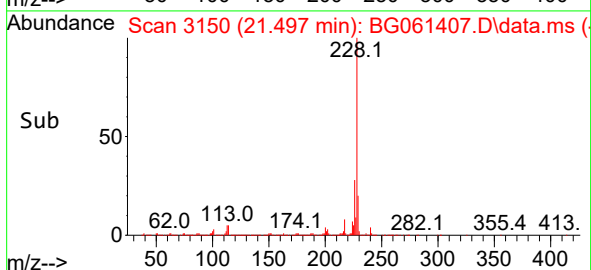
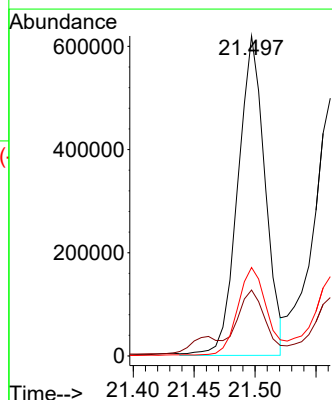
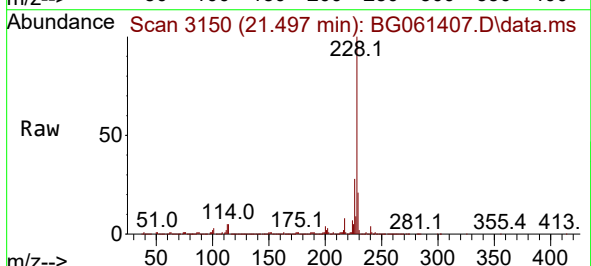
RT: 21.497 min Scan# 3150

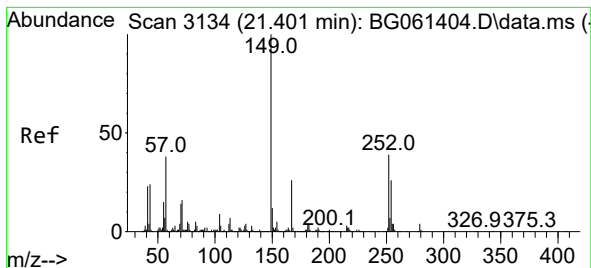
Delta R.T. 0.003 min

Lab File: BG061407.D

Acq: 1 Jun 2024 1:02

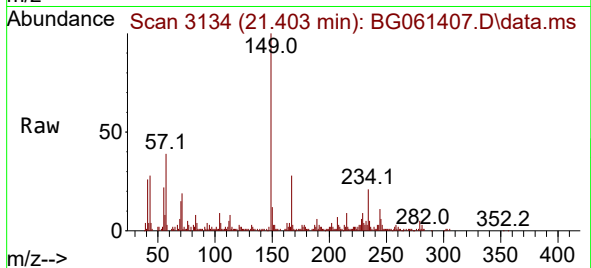
Tgt Ion:	228	Resp:	962540
Ion Ratio	Lower	Upper	
228	100		
229	20.6	15.2	22.8
226	27.7	21.4	32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 7.858 ng/ul
RT: 21.403 min Scan# 3134
Delta R.T. -0.003 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02

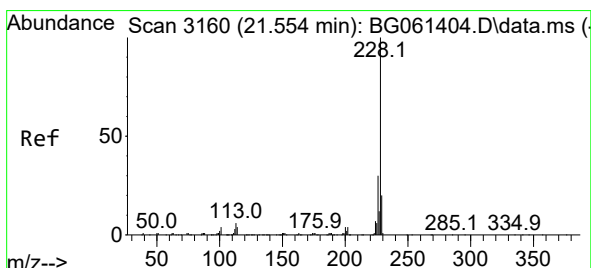
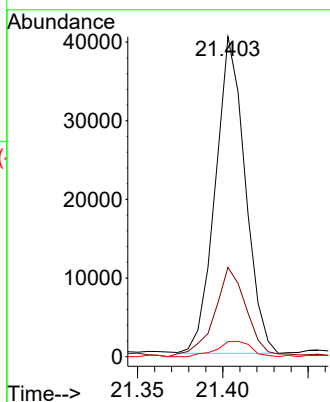
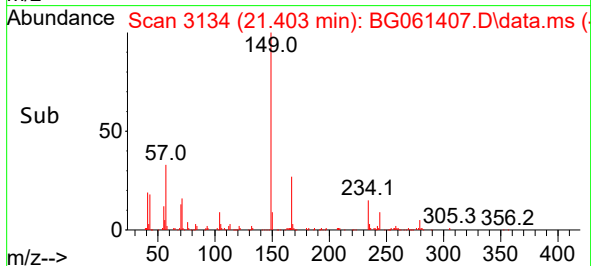
Instrument :
BNA_G
ClientSampleId :
BH5T9



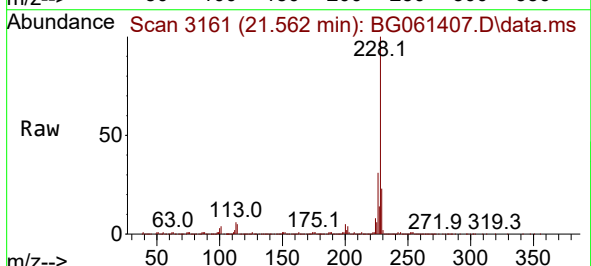
Tgt Ion:149 Resp: 4890
Ion Ratio Lower Upper
149 100
167 27.9 21.1 31.7
279 4.7 3.3 4.9

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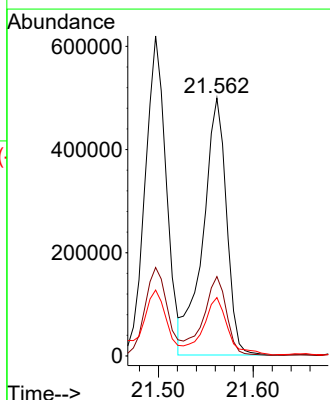
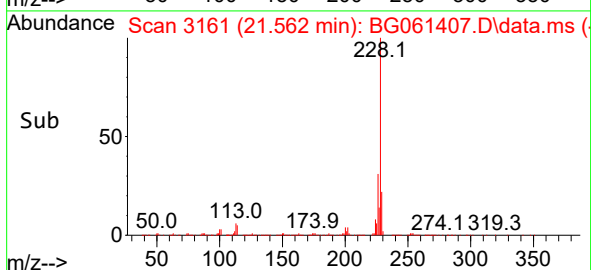
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

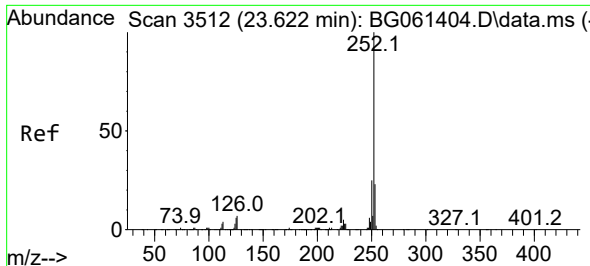


#87
Chrysene
Concen: 70.551 ng/ul
RT: 21.562 min Scan# 3161
Delta R.T. 0.008 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02



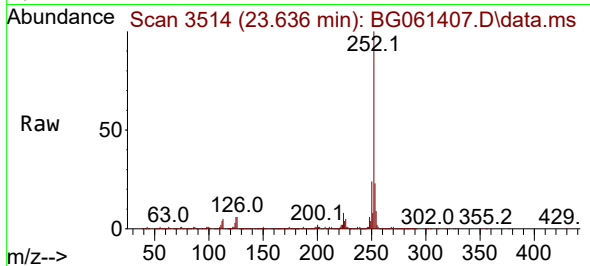
Tgt Ion:228 Resp: 858027
Ion Ratio Lower Upper
228 100
226 30.8 23.4 35.0
229 22.7 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 73.886 ng/ul
RT: 23.636 min Scan# 3514
Delta R.T. 0.020 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02

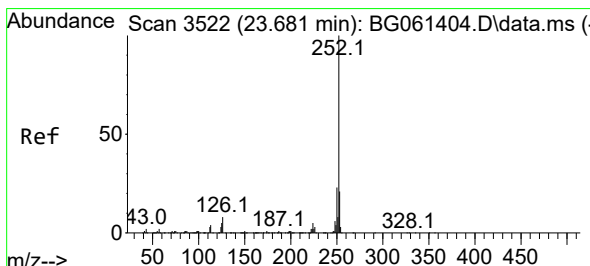
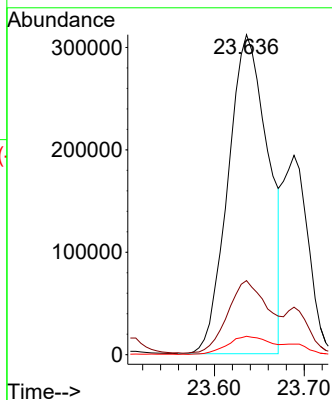
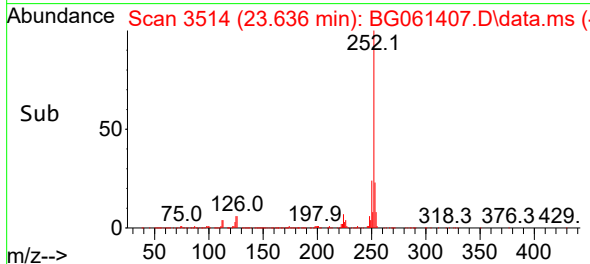
Instrument :
BNA_G
ClientSampleId :
BH5T9



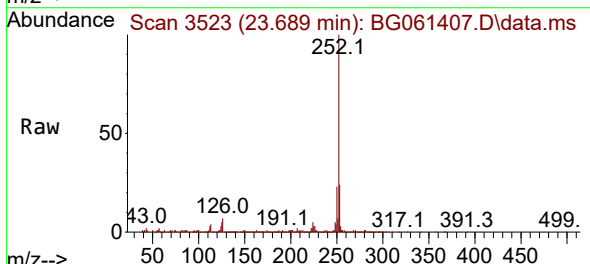
Tgt Ion:252 Resp: 966107
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 5.8 4.6 6.8

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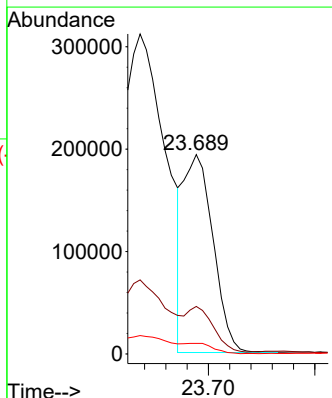
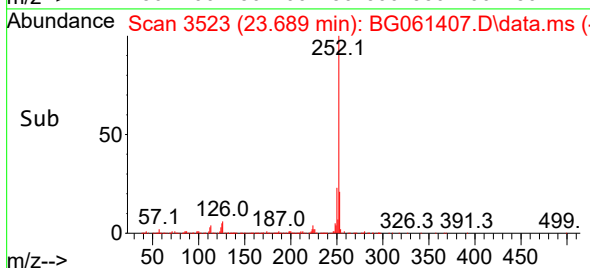
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

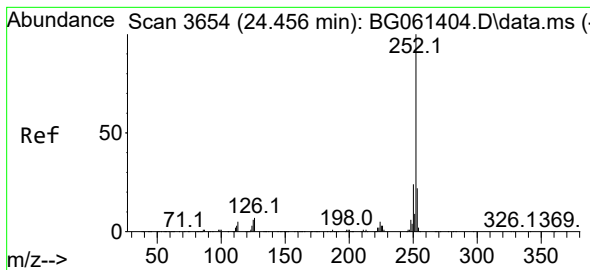


#91
Benzo(k)fluoranthene
Concen: 28.039 ng/ul m
RT: 23.689 min Scan# 3523
Delta R.T. 0.008 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02



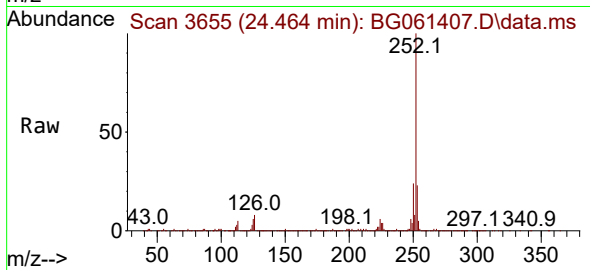
Tgt Ion:252 Resp: 372193
Ion Ratio Lower Upper
252 100
253 23.9 16.0 24.0
125 5.3 4.3 6.5





#93
Benzo(a)pyrene
Concen: 59.240 ng/ul
RT: 24.464 min Scan# 30
Delta R.T. 0.014 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02

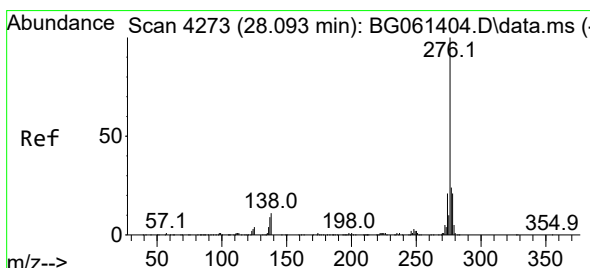
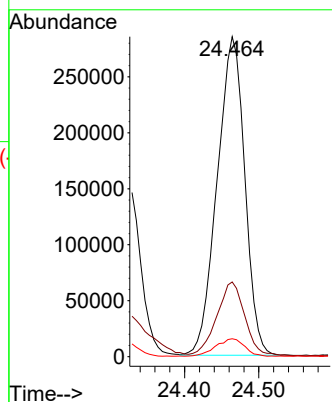
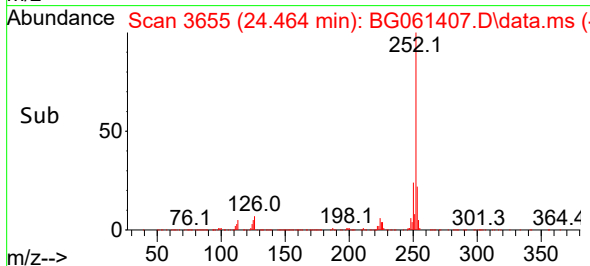
Instrument :
BNA_G
ClientSampleId :
BH5T9



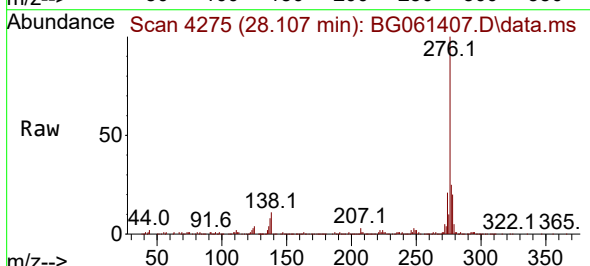
Tgt Ion:252 Resp: 735538
Ion Ratio Lower Upper
252 100
253 23.4 16.4 24.6
125 5.6 4.3 6.5

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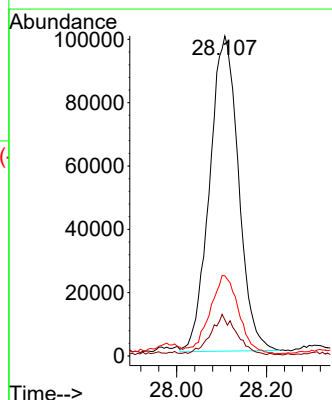
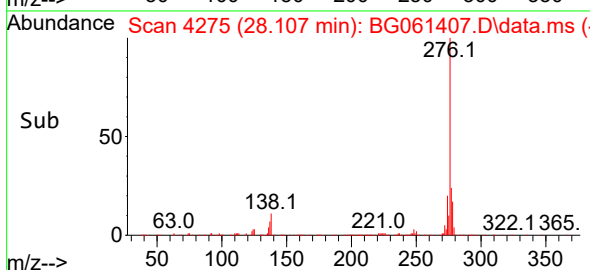
Reviewed By :Jagrut Upadhyay 06/03/2024
Supervised By :mohammad ahmed 06/04/2024

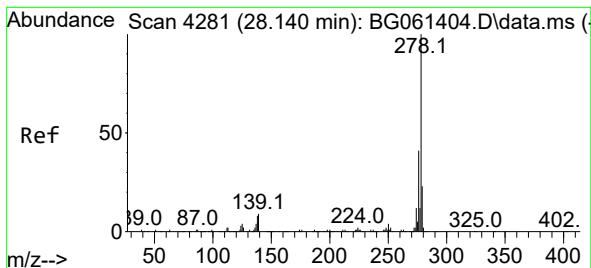


#94
Indeno(1,2,3-cd)pyrene
Concen: 29.674 ng/ul
RT: 28.107 min Scan# 4275
Delta R.T. 0.014 min
Lab File: BG061407.D
Acq: 1 Jun 2024 1:02



Tgt Ion:276 Resp: 445564
Ion Ratio Lower Upper
276 100
138 11.3 8.6 13.0
277 25.1 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 9.853 ng/ul m

RT: 28.130 min Scan# 4

Delta R.T. -0.009 min

Lab File: BG061407.D

Acq: 1 Jun 2024 1:02

Instrument :

BNA_G

ClientSampleId :

BH5T9

Tgt Ion:278 Resp: 12199

Ion Ratio Lower Upper

278 100

139 10.9 6.4 9.6

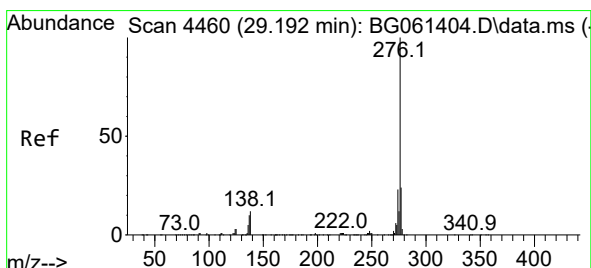
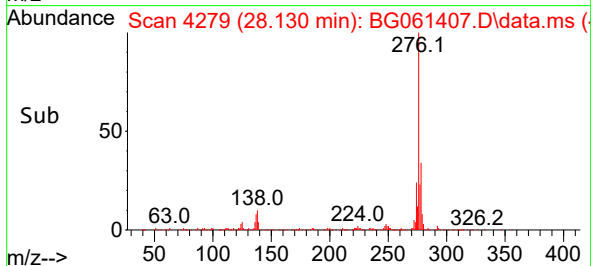
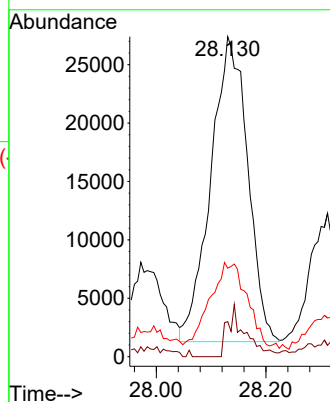
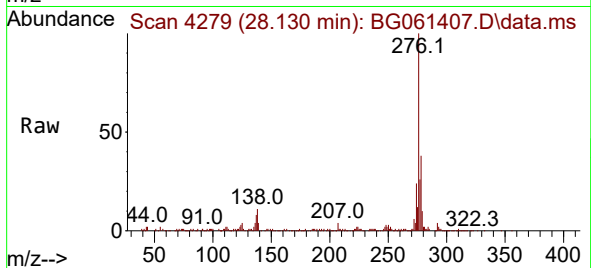
279 27.6 19.9 29.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/03/2024

Supervised By :mohammad ahmed 06/04/2024



#96

Benzo(g,h,i)perylene

Concen: 30.188 ng/ul

RT: 29.200 min Scan# 4461

Delta R.T. 0.026 min

Lab File: BG061407.D

Acq: 1 Jun 2024 1:02

Tgt Ion:276 Resp: 360602

Ion Ratio Lower Upper

276 100

138 11.9 8.7 13.1

277 23.4 18.2 27.2

