

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061465.D
 Acq On : 4 Jun 2024 21:43
 Operator : MA/JU
 Sample : P2590-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBL6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 04 22:51:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 30 22:54:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.874	152	31828	20.000	ng/u1	0.00
20) Naphthalene-d8	10.671	136	121989	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.513	164	91605	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.263	188	213475	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.517	240	212332	20.000	ng/u1	0.00
88) Perylene-d12	24.607	264	256414	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.332	96	1066m	1.874	ng/uL	0.00
4) Pyridine-d5	3.749	84	3517	1.738	ng/u1	0.01
7) Phenol-d5	7.063	99	36131	13.824	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.204	67	26741	16.277	ng/u1	0.00
11) 2-Chlorophenol-d4	7.416	132	31941	16.512	ng/u1	0.00
15) 4-Methylphenol-d8	8.596	113	23502	10.545	ng/u1	0.00
21) Nitrobenzene-d5	9.031	128	18172	19.348	ng/u1	0.00
24) 2-Nitrophenol-d4	9.754	143	18777	17.082	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.312	165	38746	18.081	ng/u1	0.01
31) 4-Chloroaniline-d4	10.806	131	23880	8.518	ng/u1	0.00
46) Dimethylphthalate-d6	13.914	166	132051	18.586	ng/u1	0.00
49) Acenaphthylene-d8	14.208	160	144578	19.574	ng/u1	0.00
54) 4-Nitrophenol-d4	14.766	143	5918m	6.737	ng/u1	0.03
60) Fluorene-d10	15.506	176	119714	19.517	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.653	200	11689	9.053	ng/u1	0.02
73) Anthracene-d10	17.363	188	174915	18.585	ng/u1	0.00
81) Pyrene-d10	19.654	212	252821	23.190	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.401	264	267877	21.730	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.712	128	6577	1.021	ng/u1	97
36) 2-Methylnaphthalene	12.327	142	6813	1.459	ng/u1	95
37) 1-Methylnaphthalene	12.551	142	5758	1.202	ng/u1#	92
52) Acenaphthene	14.572	153	9807	1.825	ng/u1	98
61) Fluorene	15.565	166	10141	1.526	ng/u1	97
72) Phenanthrene	17.304	178	237323	22.905	ng/u1	99
74) Anthracene	17.398	178	30830	2.878	ng/u1	97
77) Carbazole	17.668	167	13169	1.511	ng/u1	95
80) Fluoranthene	19.325	202	343925	26.297	ng/u1	99
82) Pyrene	19.683	202	366958	27.030	ng/u1	99
85) Benzo(a)anthracene	21.499	228	174405	11.904	ng/u1	97
87) Chrysene	21.564	228	200575	14.868	ng/u1	97
90) Benzo(b)fluoranthene	23.638	252	240788	15.772	ng/u1	98
91) Benzo(k)fluoranthene	23.691	252	80128m	5.170	ng/u1	
93) Benzo(a)pyrene	24.466	252	177282	12.229	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	28.115	276	109382m	6.239	ng/u1	
95) Dibenzo(a,h)anthracene	28.132	278	30743m	2.127	ng/u1	
96) Benzo(g,h,i)perylene	29.214	276	102825m	7.373	ng/u1	

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

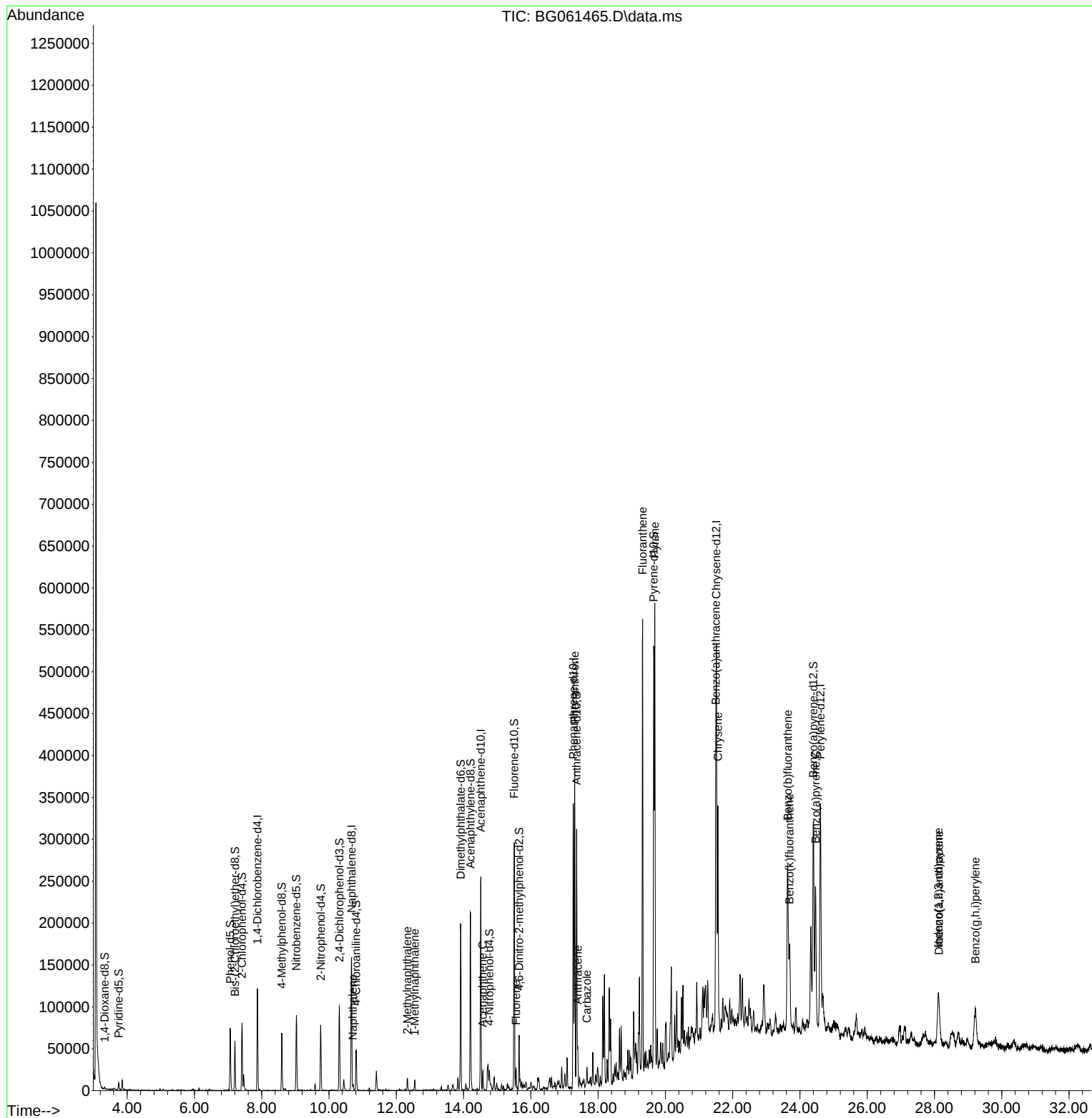
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
Data File : BG061465.D
Acq On : 4 Jun 2024 21:43
Operator : MA/JU
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ALS Vial : 7 Sample Multiplier: 1

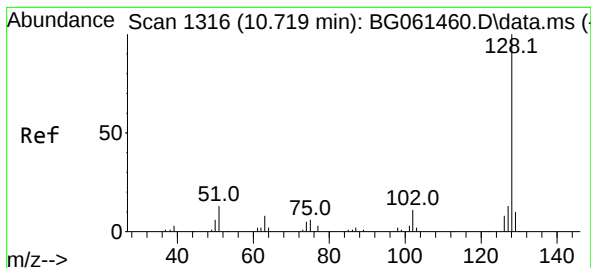
Instrument :
BNA_G
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Quant Time: Jun 04 22:51:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
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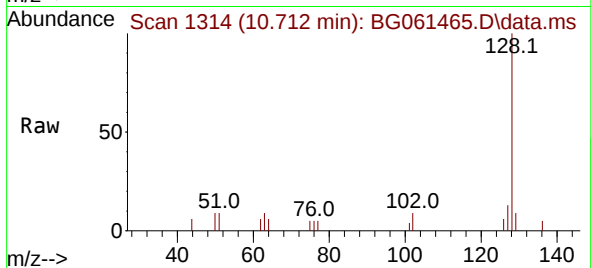
#30
Naphthalene
Concen: 1.021 ng/ul
RT: 10.712 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

Instrument :

BNA_G

ClientSampleId :

BHBL6

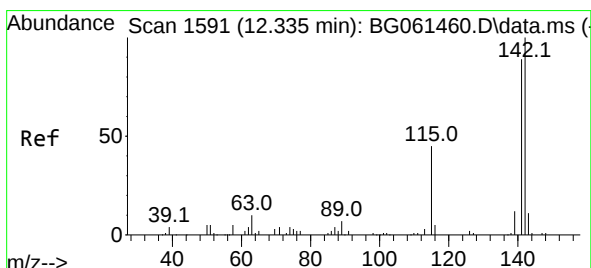
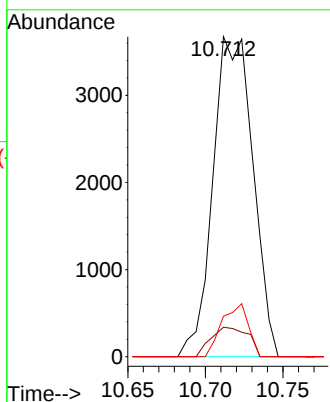
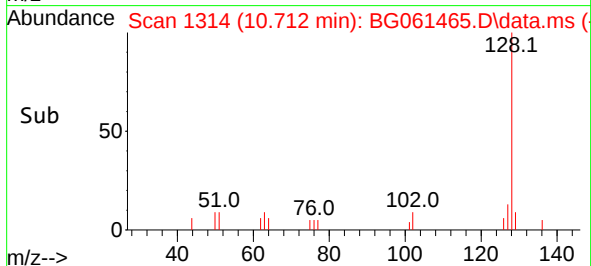


Tgt Ion:128 Resp: 657
Ion Ratio Lower Upper
128 100
129 9.2 8.6 12.8
127 12.7 10.8 16.2

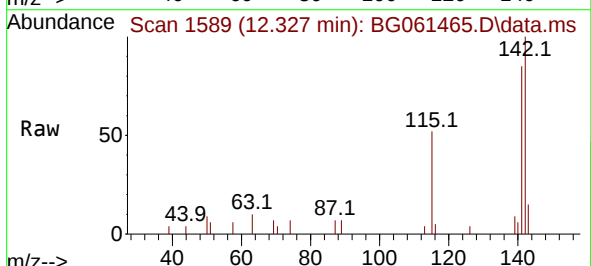
Manual Integrations

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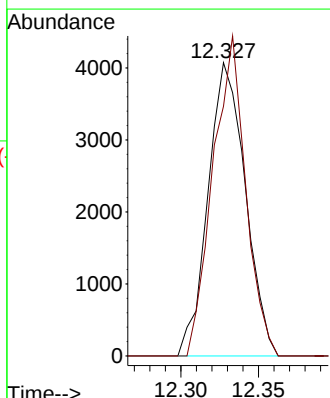
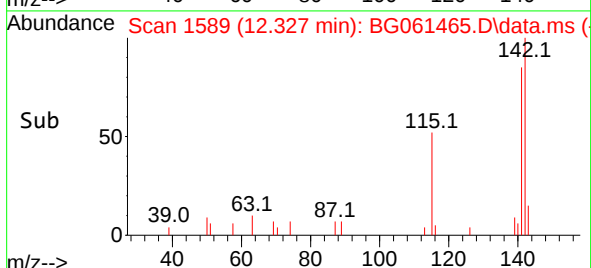
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

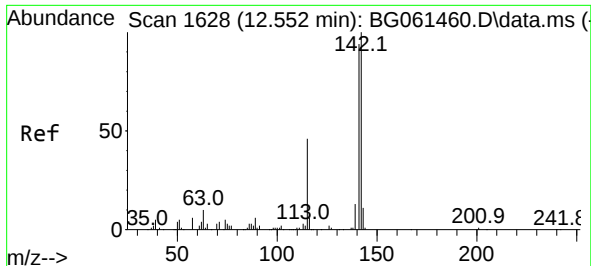


#36
2-Methylnaphthalene
Concen: 1.459 ng/ul
RT: 12.327 min Scan# 1589
Delta R.T. -0.001 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43



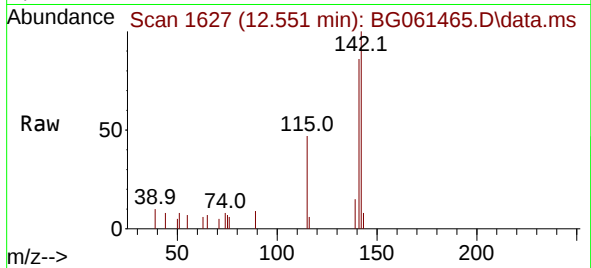
Tgt Ion:142 Resp: 6813
Ion Ratio Lower Upper
142 100
141 85.1 72.2 108.2





#37
1-Methylnaphthalene
Concen: 1.202 ng/ul
RT: 12.551 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

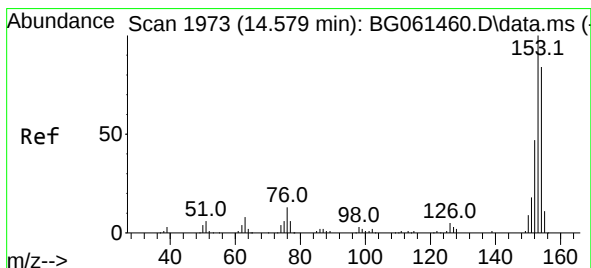
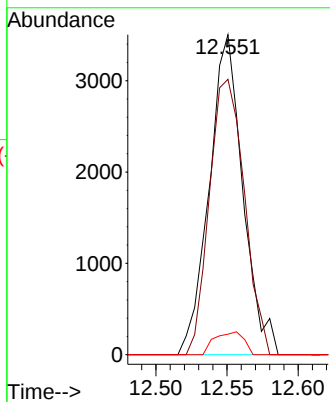
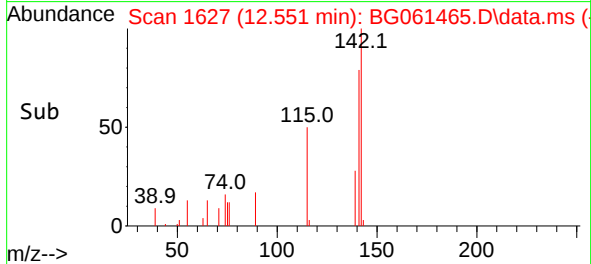
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ClientSampleId :
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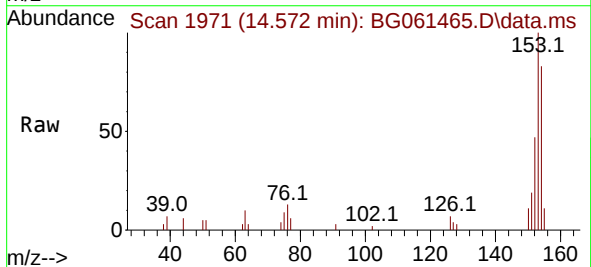
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Ion Ratio Lower Upper
142 100
141 86.1 75.5 113.3
116 6.4 4.0 6.0

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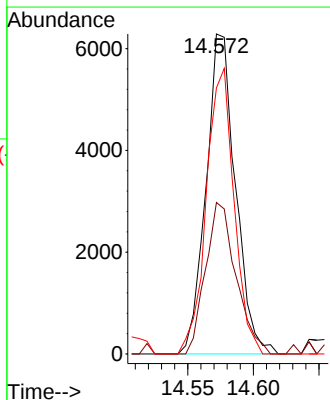
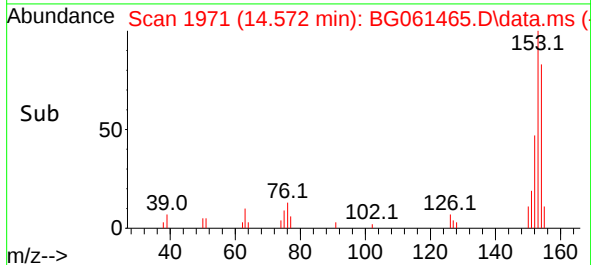
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

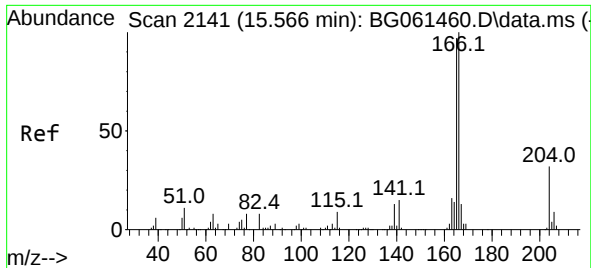


#52
Acenaphthene
Concen: 1.825 ng/ul
RT: 14.572 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43



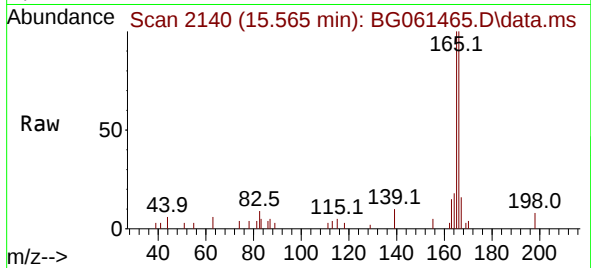
Tgt Ion:153 Resp: 9807
Ion Ratio Lower Upper
153 100
152 47.4 37.8 56.8
154 83.1 69.0 103.6





#61
Fluorene
Concen: 1.526 ng/ul
RT: 15.565 min Scan# 2141
Delta R.T. 0.005 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

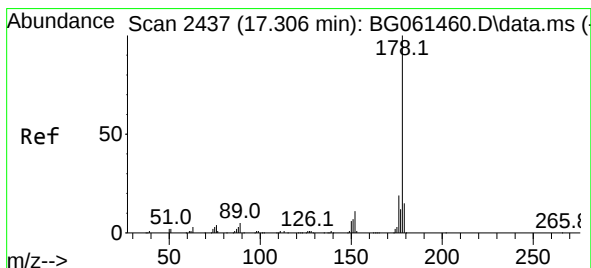
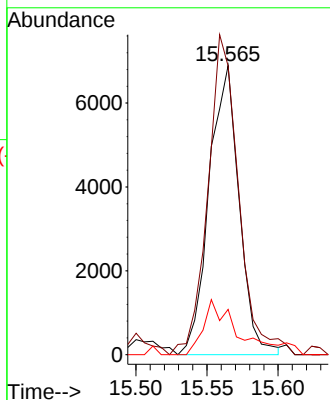
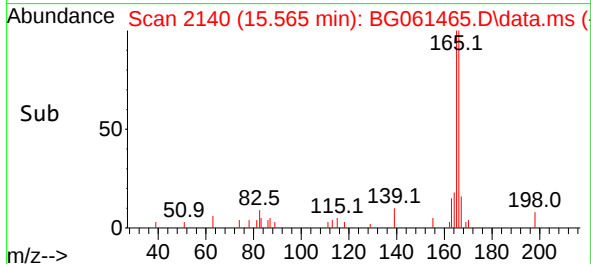
Instrument :
BNA_G
ClientSampleId :
BHBL6



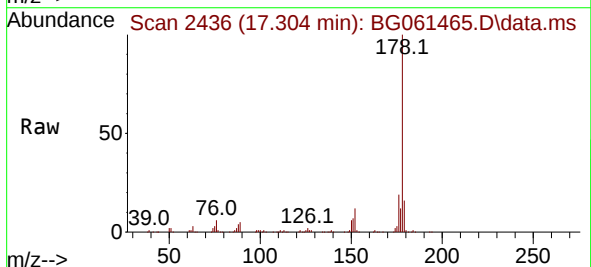
Tgt Ion:166 Resp: 1014
Ion Ratio Lower Upper
166 100
165 99.9 81.8 122.8
167 15.7 10.6 16.0

Manual Integrations
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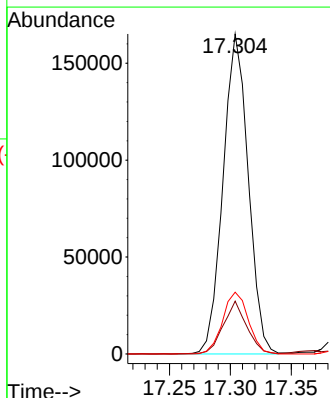
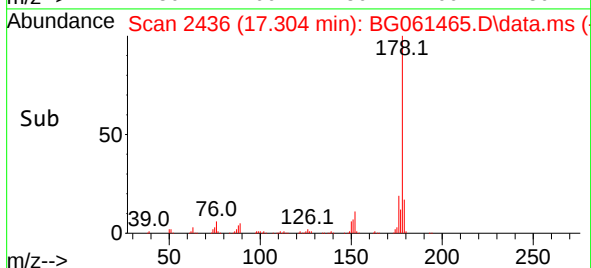
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024

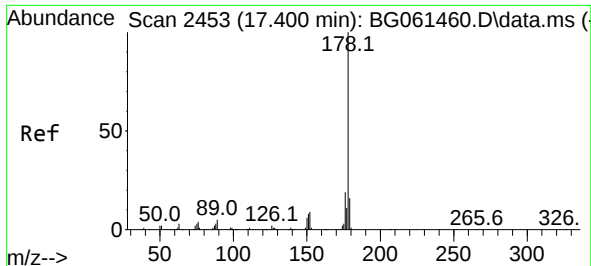


#72
Phenanthrene
Concen: 22.905 ng/ul
RT: 17.304 min Scan# 2436
Delta R.T. 0.005 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43



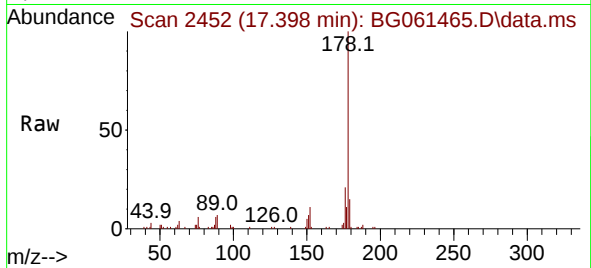
Tgt Ion:178 Resp: 237323
Ion Ratio Lower Upper
178 100
179 16.5 12.7 19.1
176 19.3 15.5 23.3





#74
 Anthracene
 Concen: 2.878 ng/ul
 RT: 17.398 min Scan# 2453
 Delta R.T. 0.005 min
 Lab File: BG061465.D
 Acq: 4 Jun 2024 21:43

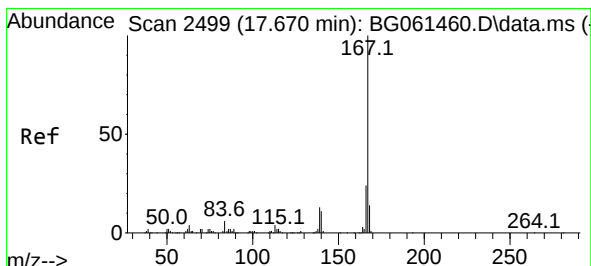
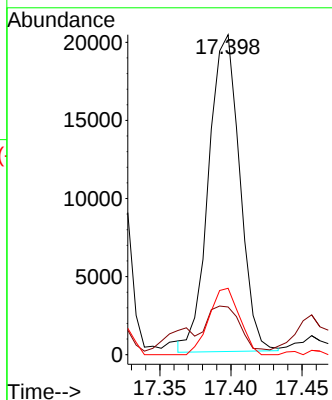
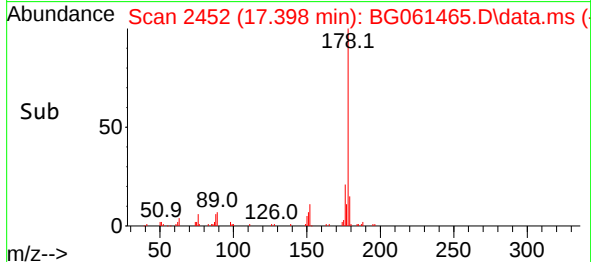
Instrument :
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 ClientSampleId :
 BHBL6



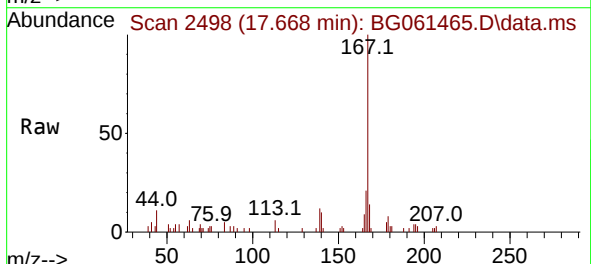
Tgt Ion:178 Resp: 30830
 Ion Ratio Lower Upper
 178 100
 179 14.9 11.8 17.6
 176 20.7 14.9 22.3

Manual Integrations
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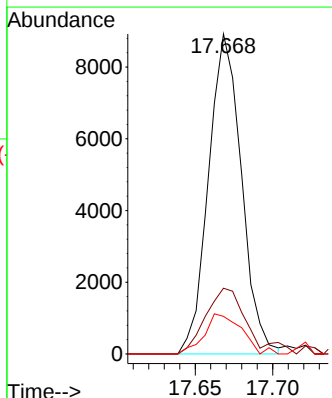
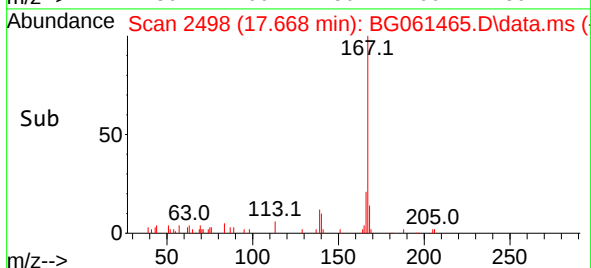
Reviewed By :Jagrut Upadhyay 06/05/2024
 Supervised By :mohammad ahmed 06/07/2024

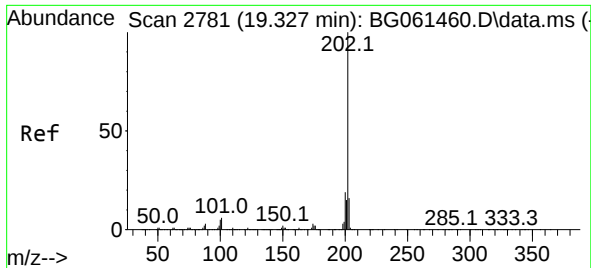


#77
 Carbazole
 Concen: 1.511 ng/ul
 RT: 17.668 min Scan# 2498
 Delta R.T. 0.005 min
 Lab File: BG061465.D
 Acq: 4 Jun 2024 21:43



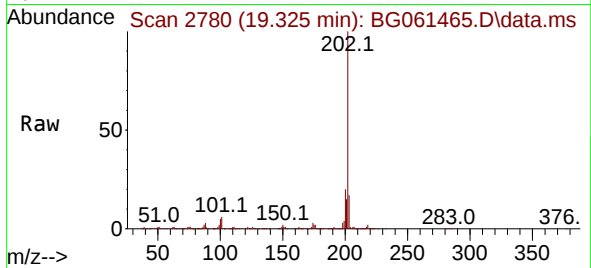
Tgt Ion:167 Resp: 13169
 Ion Ratio Lower Upper
 167 100
 166 20.6 18.6 28.0
 139 11.7 10.6 15.8





#80
Fluoranthene
Concen: 26.297 ng/ul
RT: 19.325 min Scan# 21
Delta R.T. 0.010 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

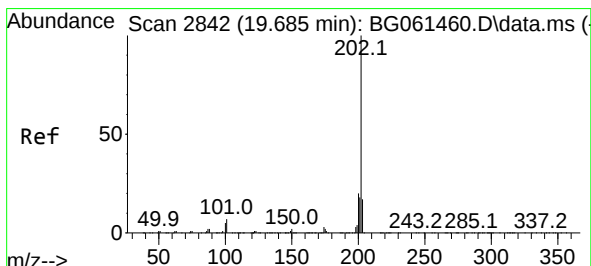
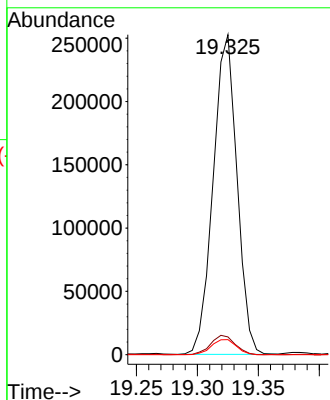
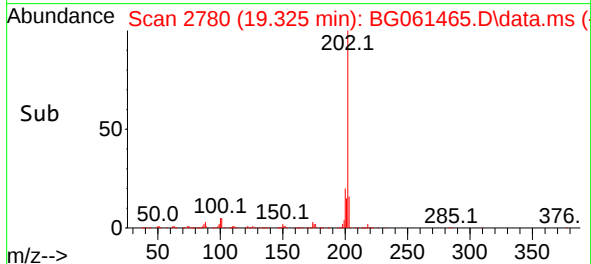
Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:202 Resp: 343925
Ion Ratio Lower Upper
202 100
101 5.5 4.8 7.2
100 4.7 4.1 6.1

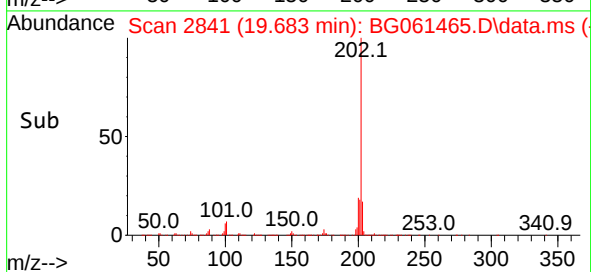
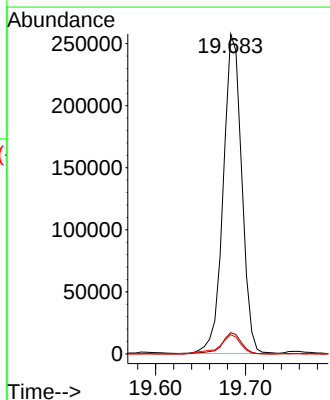
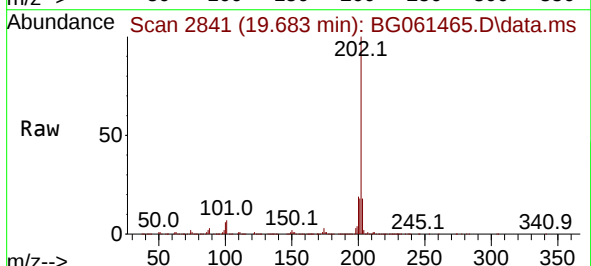
Manual Integrations
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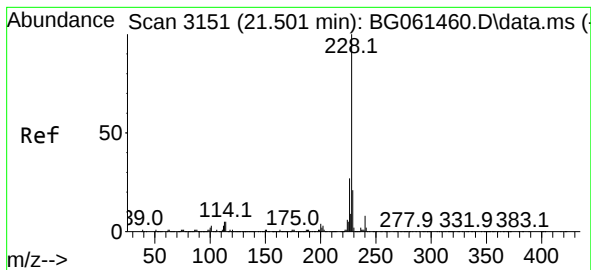
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#82
Pyrene
Concen: 27.030 ng/ul
RT: 19.683 min Scan# 2841
Delta R.T. 0.005 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

Tgt Ion:202 Resp: 366958
Ion Ratio Lower Upper
202 100
101 6.7 5.7 8.5
100 6.0 5.1 7.7





#85

Benzo(a)anthracene

Concen: 11.904 ng/ul

RT: 21.499 min Scan# 3150

Delta R.T. 0.005 min

Lab File: BG061465.D

Acq: 4 Jun 2024 21:43

Instrument :

BNA_G

ClientSampleId :

BHBL6

Tgt Ion:228 Resp: 17440

Ion Ratio Lower Upper

228 100

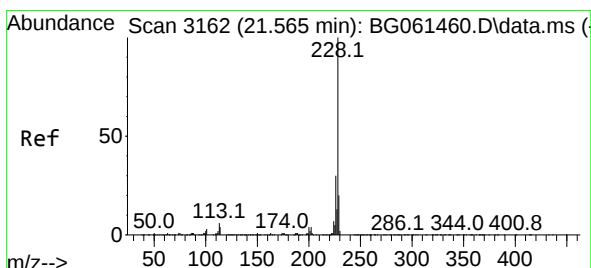
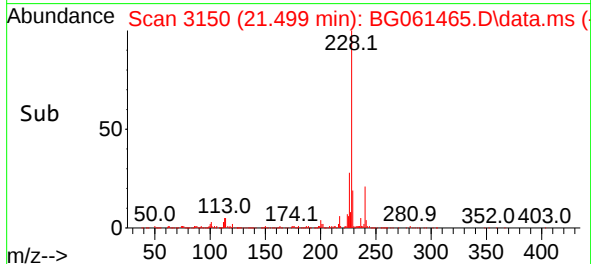
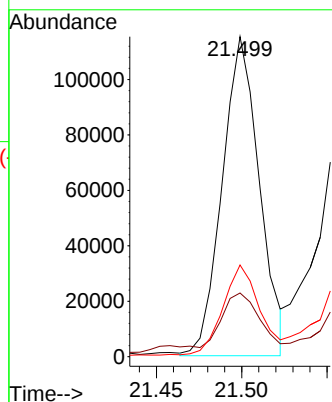
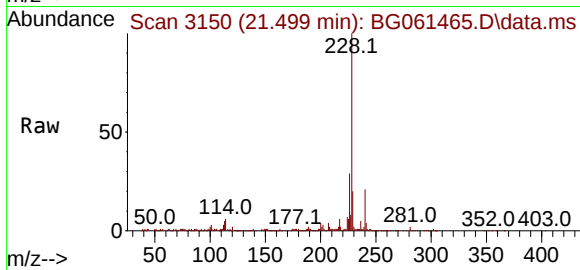
229 19.9 15.2 22.8

226 28.6 21.4 32.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#87

Chrysene

Concen: 14.868 ng/ul

RT: 21.564 min Scan# 3161

Delta R.T. 0.010 min

Lab File: BG061465.D

Acq: 4 Jun 2024 21:43

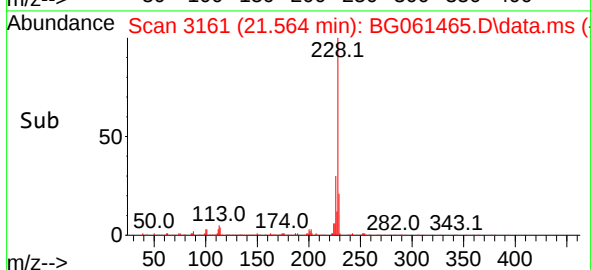
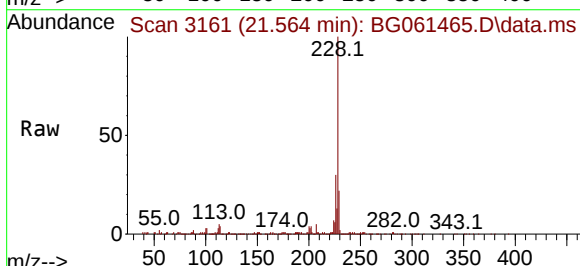
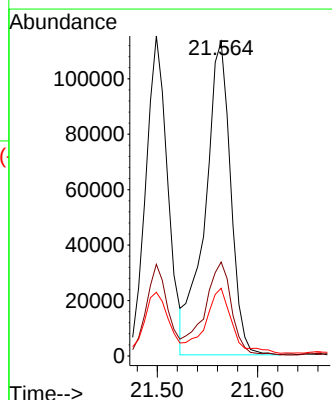
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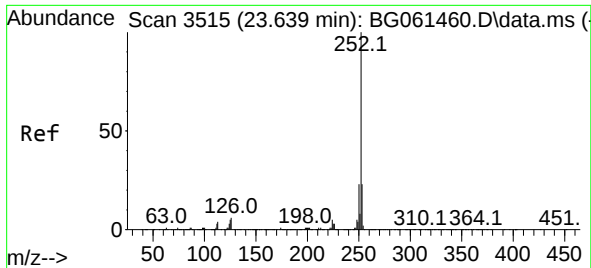
Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.0

229 21.6 15.4 23.2





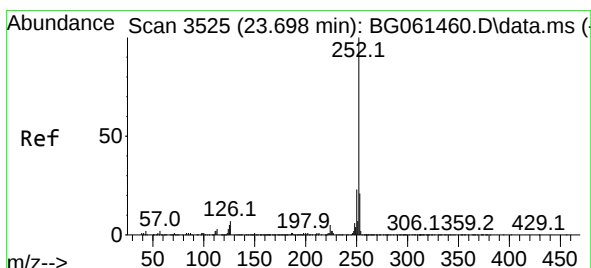
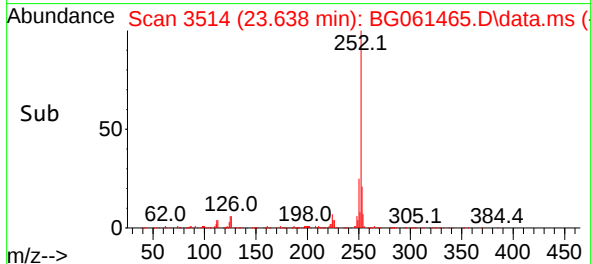
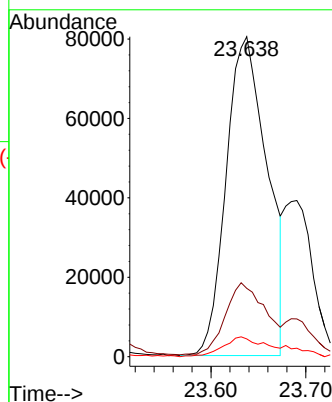
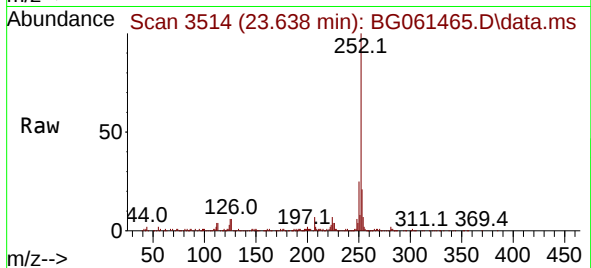
#90
Benzo(b)fluoranthene
Concen: 15.772 ng/ul
RT: 23.638 min Scan# 3514
Delta R.T. 0.022 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

Instrument :
BNA_G
ClientSampleId :
BHBL6

Tgt Ion:252 Resp: 240788
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 5.6 4.6 6.8

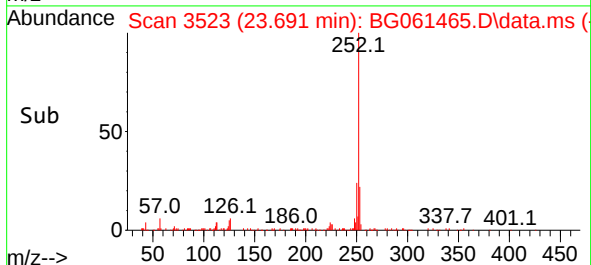
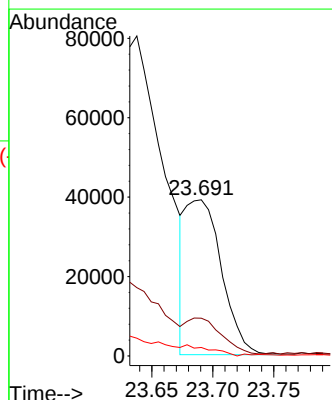
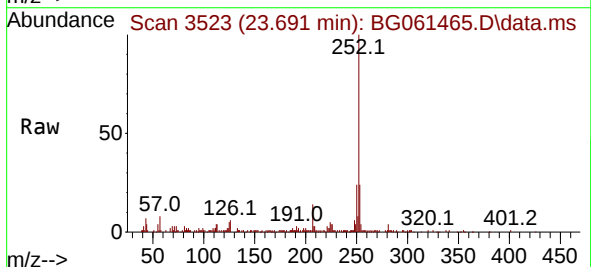
Manual Integrations
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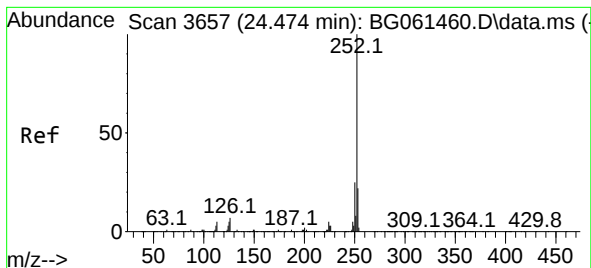
Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#91
Benzo(k)fluoranthene
Concen: 5.170 ng/ul m
RT: 23.691 min Scan# 3523
Delta R.T. 0.010 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

Tgt Ion:252 Resp: 80128
Ion Ratio Lower Upper
252 100
253 24.2 16.0 24.0#
125 5.4 4.3 6.5





#93

Benzo(a)pyrene

Concen: 12.229 ng/ul

RT: 24.466 min Scan# 30

Delta R.T. 0.016 min

Lab File: BG061465.D

Acq: 4 Jun 2024 21:43

Instrument :

BNA_G

ClientSampleId :

BHBL6

Tgt Ion:252 Resp: 17728

Ion Ratio Lower Upper

252 100

253 21.1 16.4 24.6

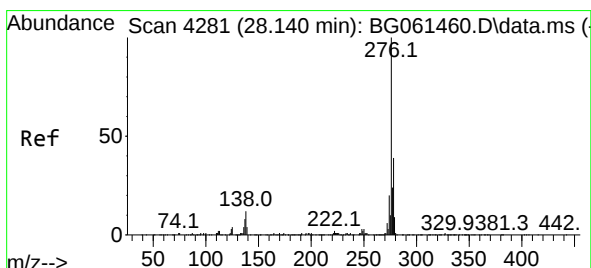
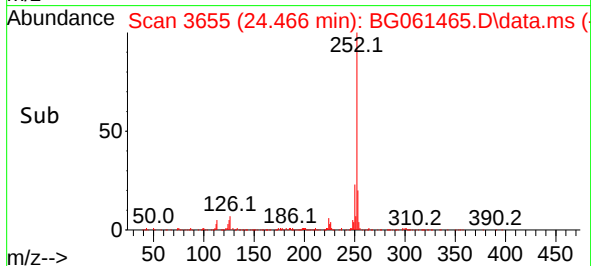
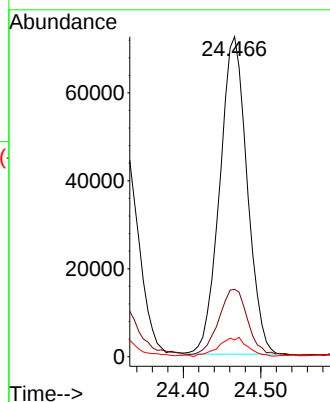
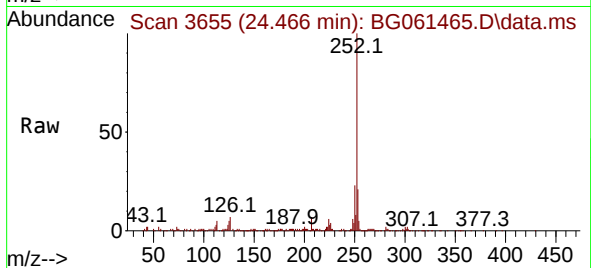
125 5.2 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024

Supervised By :mohammad ahmed 06/07/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 6.239 ng/ul m

RT: 28.115 min Scan# 4276

Delta R.T. 0.022 min

Lab File: BG061465.D

Acq: 4 Jun 2024 21:43

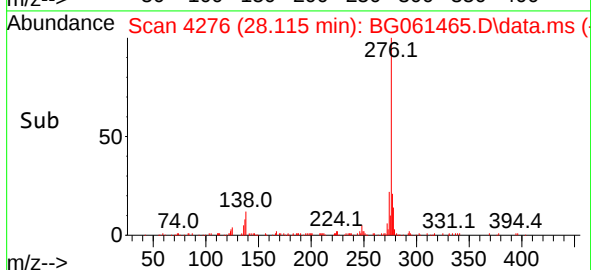
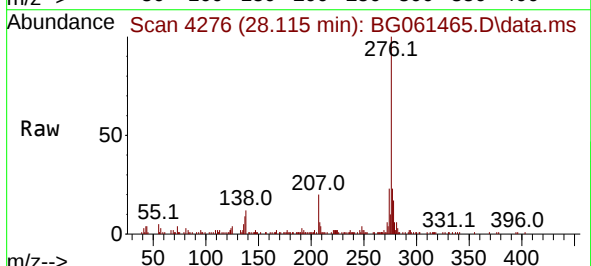
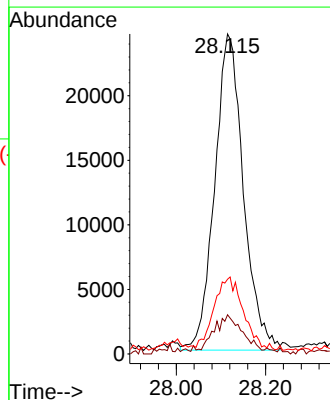
Tgt Ion:276 Resp: 109382

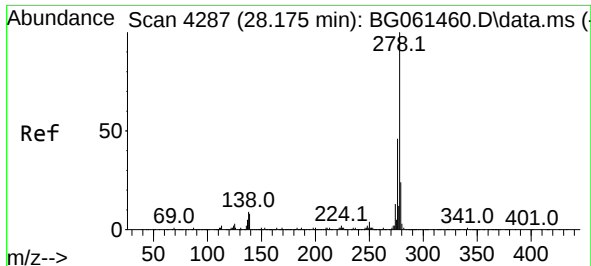
Ion Ratio Lower Upper

276 100

138 12.2 8.6 13.0

277 23.4 19.7 29.5





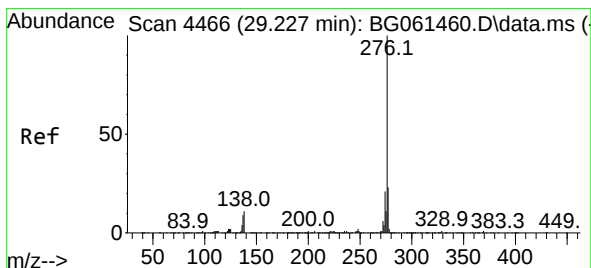
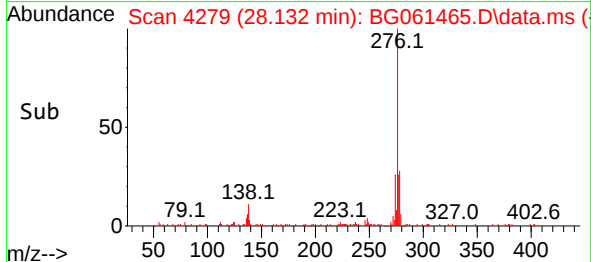
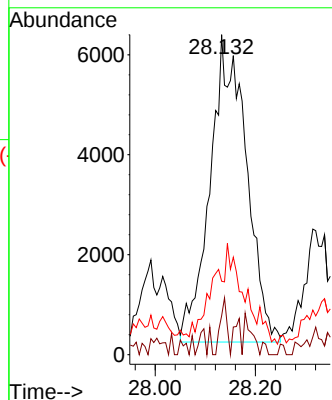
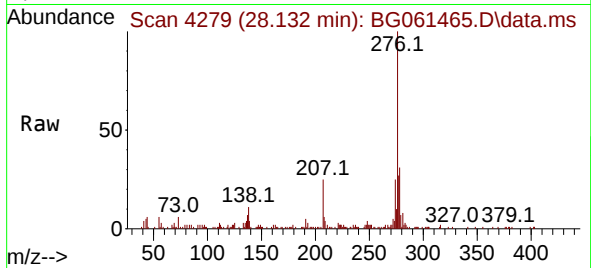
#95
Dibenzo(a,h)anthracene
Concen: 2.127 ng/ul m
RT: 28.132 min Scan# 4287
Delta R.T. -0.007 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

Instrument :
BNA_G
ClientSampleId :
BHBL6

Tgt Ion:278 Resp: 3074
Ion Ratio Lower Upper
278 100
139 12.2 6.4 9.6
279 22.9 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 06/05/2024
Supervised By :mohammad ahmed 06/07/2024



#96
Benzo(g,h,i)perylene
Concen: 7.373 ng/ul m
RT: 29.214 min Scan# 4463
Delta R.T. 0.040 min
Lab File: BG061465.D
Acq: 4 Jun 2024 21:43

Tgt Ion:276 Resp: 102825
Ion Ratio Lower Upper
276 100
138 14.1 8.7 13.1#
277 26.0 18.2 27.2

