

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060424\
 Data File : BG061492.D
 Acq On : 5 Jun 2024 18:37
 Operator : MA/JU
 Sample : P2623-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBR3

Manual Integrations
 APPROVED

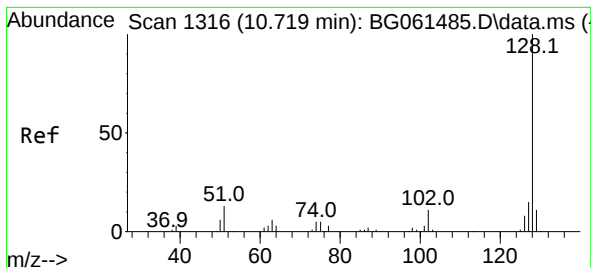
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

Quant Time: Jun 05 22:57:52 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	30613	20.000	ng/u1	0.00
20) Naphthalene-d8	10.669	136	122093	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.512	164	84357	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.261	188	181612	20.000	ng/u1	0.00
79) Chrysene-d12	21.521	240	194161	20.000	ng/u1	0.00
88) Perylene-d12	24.612	264	222825	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.337	96	1311	2.397	ng/uL	0.00
4) Pyridine-d5	3.748	84	8411	4.322	ng/u1	0.00
7) Phenol-d5	7.067	99	36281	14.432	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.203	67	22866	14.471	ng/u1	0.00
11) 2-Chlorophenol-d4	7.414	132	29599	15.909	ng/u1	0.00
15) 4-Methylphenol-d8	8.601	113	26434	12.331	ng/u1	0.00
21) Nitrobenzene-d5	9.036	128	16199	17.232	ng/u1	0.00
24) 2-Nitrophenol-d4	9.758	143	17995	16.357	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.311	165	36930	17.219	ng/u1	0.00
31) 4-Chloroaniline-d4	10.804	131	23314	8.309	ng/u1	0.00
46) Dimethylphthalate-d6	13.918	166	114927	17.566	ng/u1	0.00
49) Acenaphthylene-d8	14.206	160	119749	17.605	ng/u1	0.00
54) 4-Nitrophenol-d4	14.770	143	10030m	12.400	ng/u1	0.03
60) Fluorene-d10	15.511	176	101363	17.945	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.652	200	11174	10.173	ng/u1	0.01
73) Anthracene-d10	17.361	188	150959	18.854	ng/u1	0.00
81) Pyrene-d10	19.659	212	170960	17.149	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.400	264	148092	13.824	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.722	128	18838	2.923	ng/u1	99
36) 2-Methylnaphthalene	12.326	142	9030	1.932	ng/u1	92
37) 1-Methylnaphthalene	12.549	142	8026	1.673	ng/u1#	90
52) Acenaphthene	14.576	153	28133	5.686	ng/u1	97
56) Dibenzofuran	14.911	168	36696	5.187	ng/u1	99
61) Fluorene	15.563	166	44713	7.305	ng/u1	98
72) Phenanthrene	17.308	178	647084	73.410	ng/u1	98
74) Anthracene	17.397	178	135889	14.910	ng/u1	97
77) Carbazole	17.673	167	66122	8.920	ng/u1	99
80) Fluoranthene	19.324	202	948574	79.316	ng/u1	99
82) Pyrene	19.688	202	621698	50.080	ng/u1	98
85) Benzo(a)anthracene	21.503	228	480851	35.892	ng/u1	99
86) Bis(2-ethylhexyl)phtha...	21.404	149	12030	1.906	ng/u1#	97
87) Chrysene	21.568	228	419005	33.966	ng/u1	96
90) Benzo(b)fluoranthene	23.642	252	558088	42.066	ng/u1	100
91) Benzo(k)fluoranthene	23.695	252	176274m	13.088	ng/u1	
93) Benzo(a)pyrene	24.471	252	212659	16.881	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.119	276	160206m	10.516	ng/u1	
95) Dibenzo(a,h)anthracene	28.154	278	56979m	4.536	ng/u1	
96) Benzo(g,h,i)perylene	29.241	276	22635m	1.868	ng/u1	

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



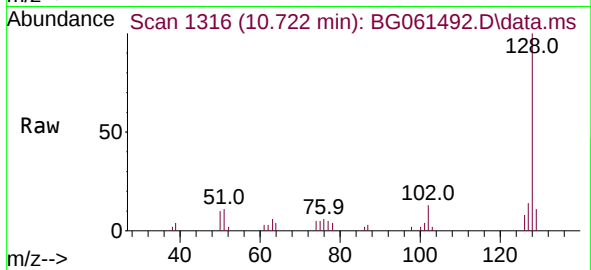
#30
Naphthalene
Concen: 2.923 ng/ul
RT: 10.722 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG061492.D
Acq: 5 Jun 2024 18:37

Instrument :

BNA_G

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BHBR3

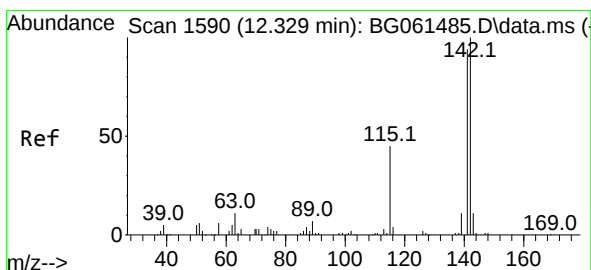
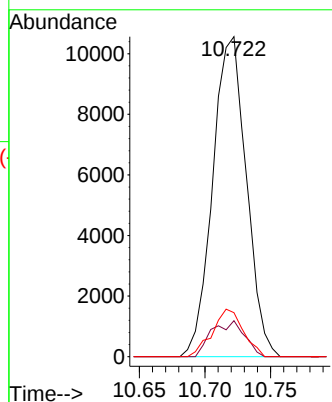
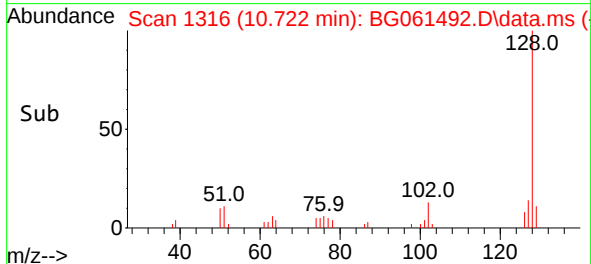


Tgt Ion:128 Resp: 1883
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.8 10.8 16.2

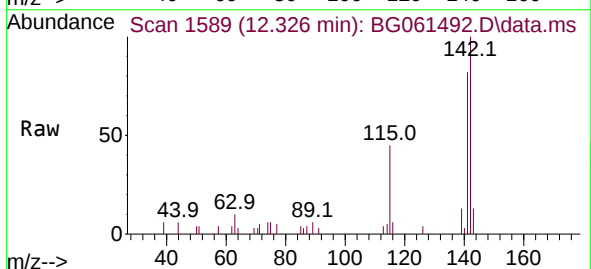
Manual Integrations

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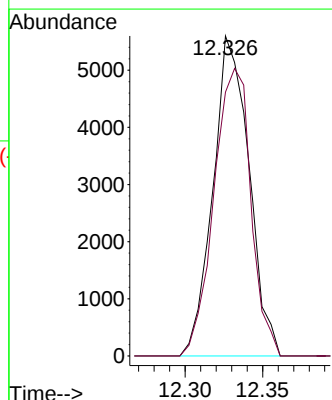
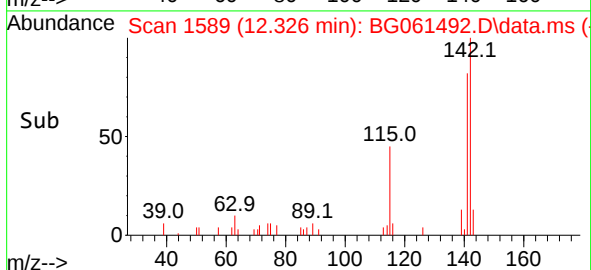
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

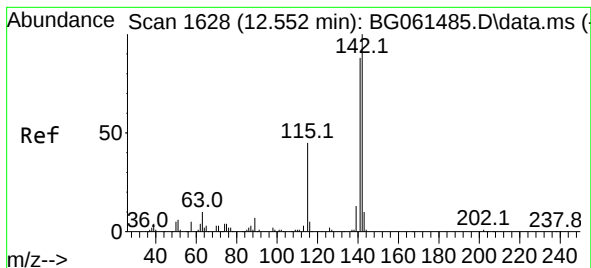


#36
2-Methylnaphthalene
Concen: 1.932 ng/ul
RT: 12.326 min Scan# 1589
Delta R.T. -0.003 min
Lab File: BG061492.D
Acq: 5 Jun 2024 18:37



Tgt Ion:142 Resp: 9030
Ion Ratio Lower Upper
142 100
141 82.4 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.673 ng/ul

RT: 12.549 min Scan# 1

Delta R.T. 0.003 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

Instrument :

BNA_G

ClientSampleId :

BHBR3

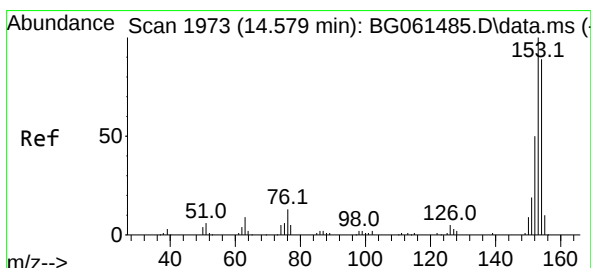
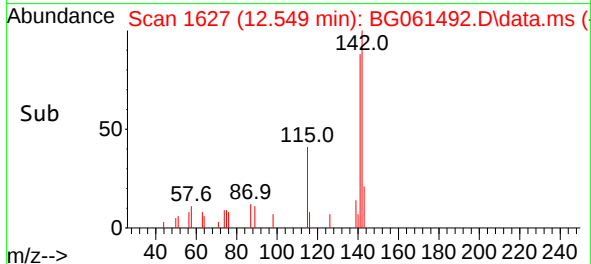
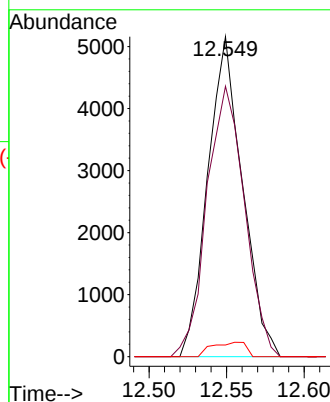
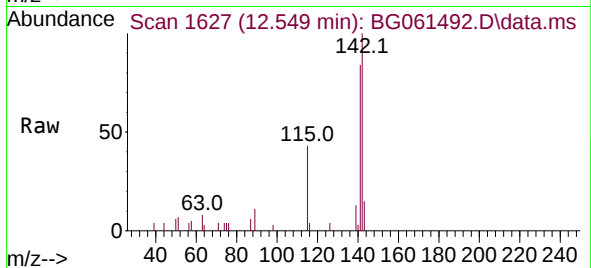
Tgt Ion:142 Resp: 8020

Ion	Ratio	Lower	Upper
142	100		
141	84.5	75.5	113.3
116	3.6	4.0	6.0

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#52

Acenaphthene

Concen: 5.686 ng/ul

RT: 14.576 min Scan# 1972

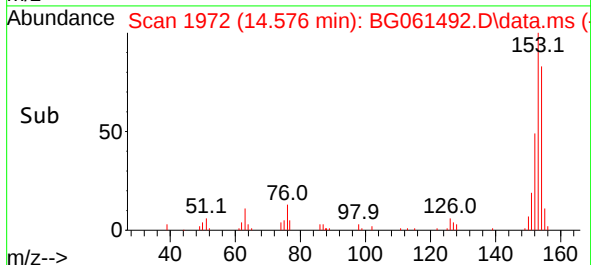
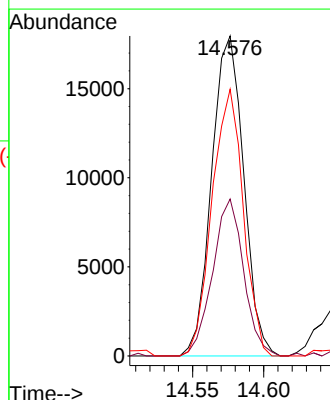
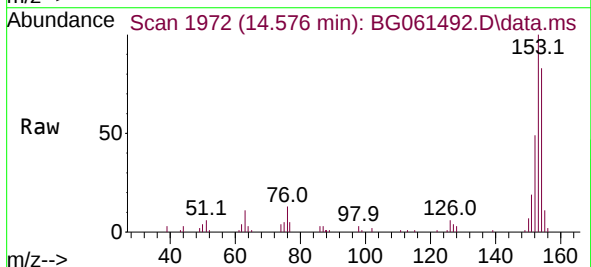
Delta R.T. 0.003 min

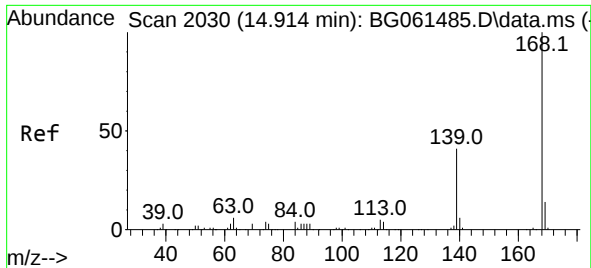
Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

Tgt Ion:153 Resp: 28133

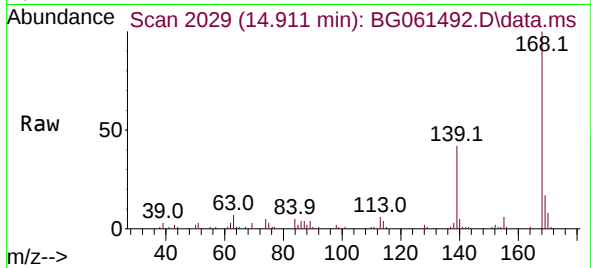
Ion	Ratio	Lower	Upper
153	100		
152	49.1	37.8	56.8
154	83.4	69.0	103.6





#56
Dibenzenofuran
Concen: 5.187 ng/ul
RT: 14.911 min Scan# 2030
Delta R.T. 0.003 min
Lab File: BG061492.D
Acq: 5 Jun 2024 18:37

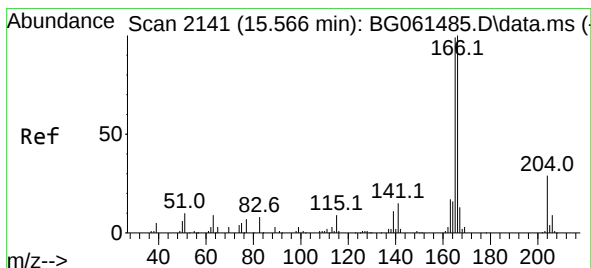
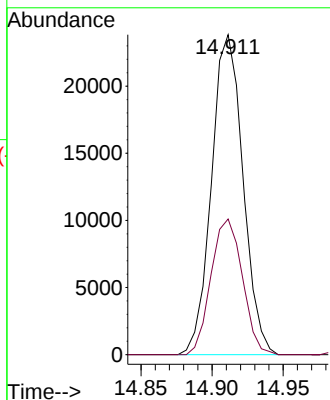
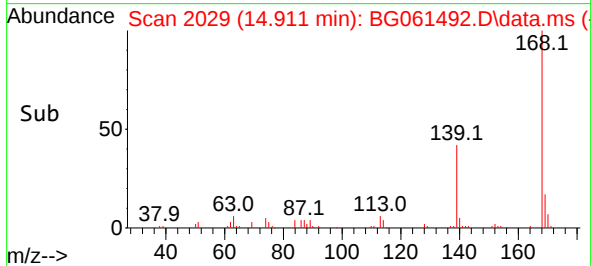
Instrument :
BNA_G
ClientSampleId :
BHBR3



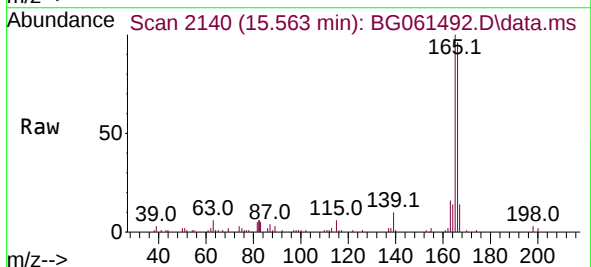
Tgt Ion:168 Resp: 36690
Ion Ratio Lower Upper
168 100
139 42.4 33.4 50.2

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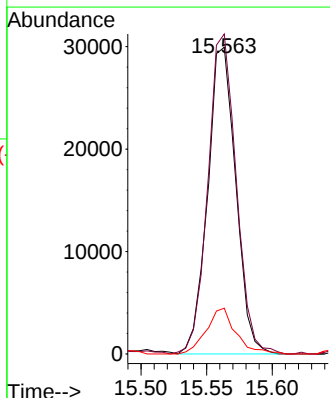
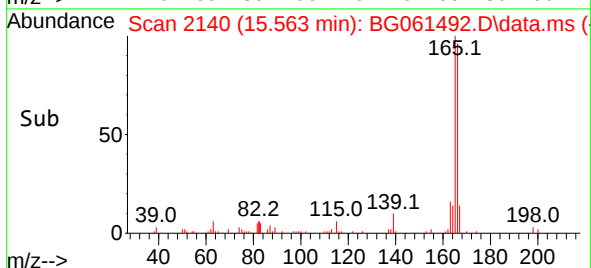
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

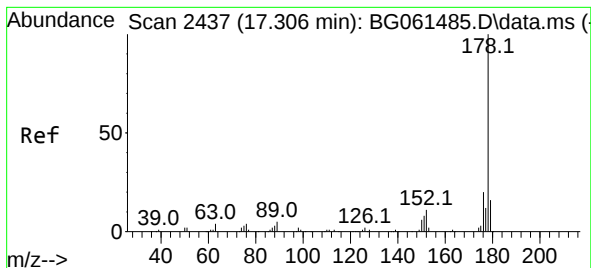


#61
Fluorene
Concen: 7.305 ng/ul
RT: 15.563 min Scan# 2140
Delta R.T. 0.003 min
Lab File: BG061492.D
Acq: 5 Jun 2024 18:37



Tgt Ion:166 Resp: 44713
Ion Ratio Lower Upper
166 100
165 104.3 81.8 122.8
167 14.9 10.6 16.0





#72

Phenanthrene

Concen: 73.410 ng/ul

RT: 17.308 min Scan# 2437

Delta R.T. 0.009 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

Instrument :

BNA_G

ClientSampleId :

BHBR3

Tgt Ion:178 Resp: 647084

Ion Ratio Lower Upper

178 100

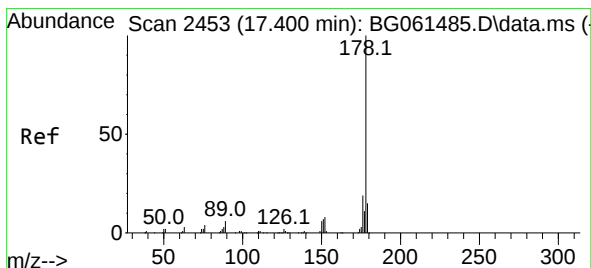
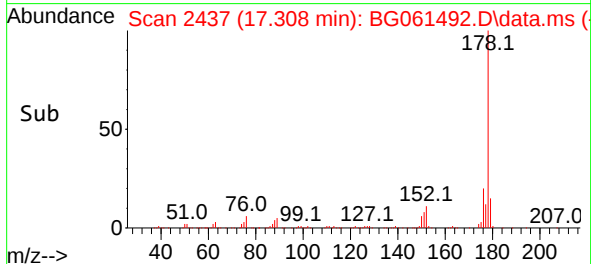
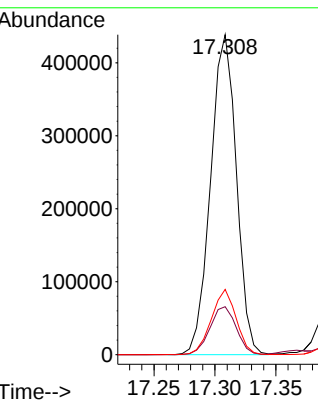
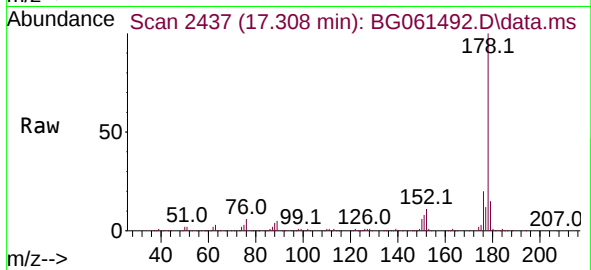
179 15.0 12.7 19.1

176 20.4 15.5 23.3

Manual Integrations

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#74

Anthracene

Concen: 14.910 ng/ul

RT: 17.397 min Scan# 2452

Delta R.T. 0.003 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

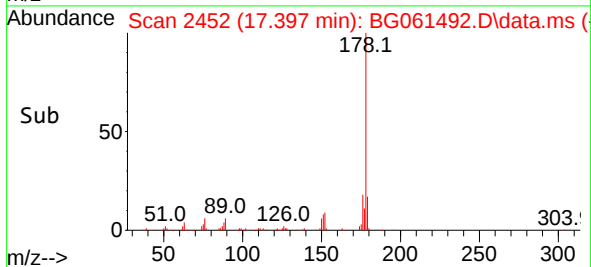
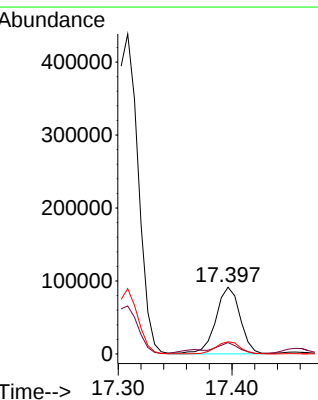
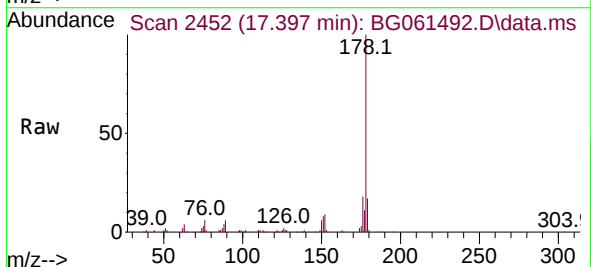
Tgt Ion:178 Resp: 135889

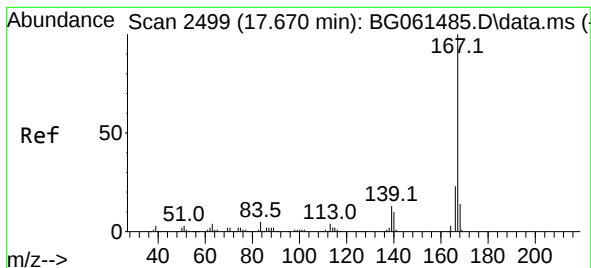
Ion Ratio Lower Upper

178 100

179 17.1 11.8 17.6

176 18.3 14.9 22.3





#77

Carbazole

Concen: 8.920 ng/ul

RT: 17.673 min Scan# 2499

Delta R.T. 0.009 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

Instrument :

BNA_G

ClientSampleId :

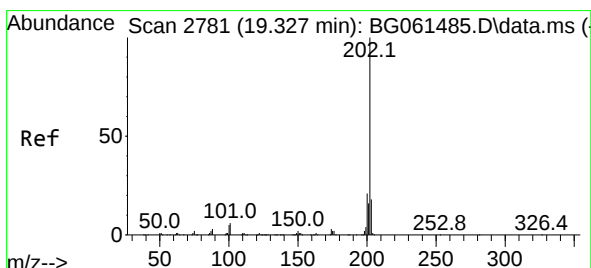
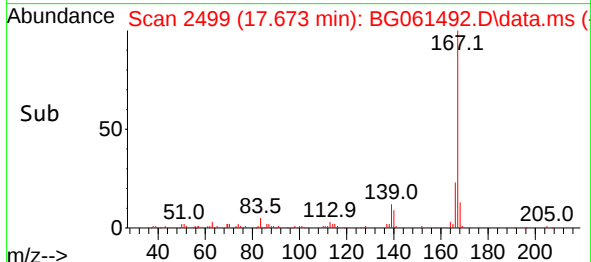
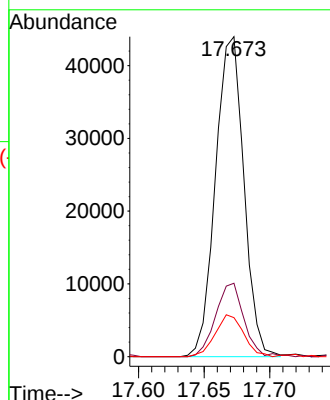
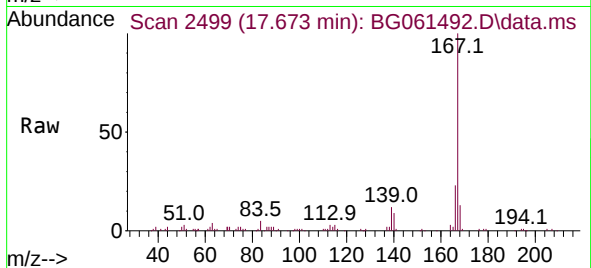
BHBR3

Tgt Ion:	167	Resp:	6612
Ion Ratio	Lower	Upper	
167	100		
166	22.9	18.6	28.0
139	12.2	10.6	15.8

Manual Integrations

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#80

Fluoranthene

Concen: 79.316 ng/ul

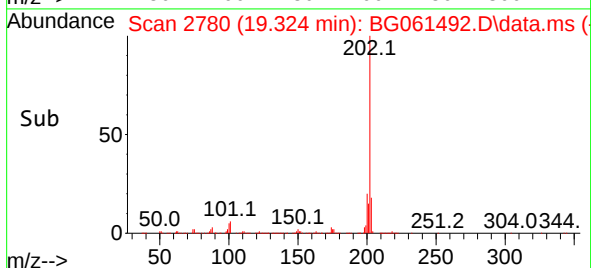
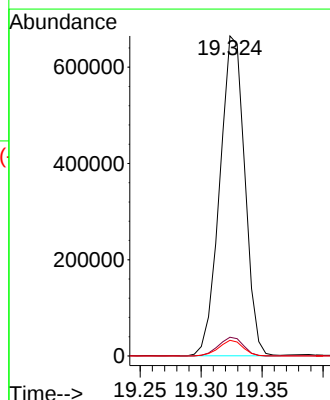
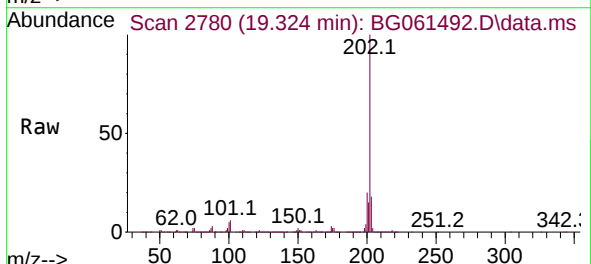
RT: 19.324 min Scan# 2780

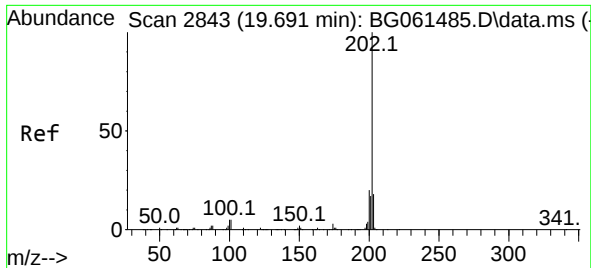
Delta R.T. 0.009 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

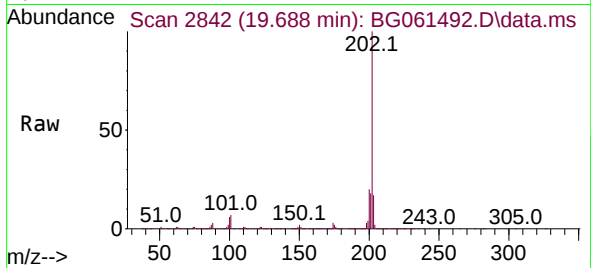
Tgt Ion:	202	Resp:	948574
Ion Ratio	Lower	Upper	
202	100		
101	5.9	4.8	7.2
100	4.9	4.1	6.1





#82
 Pyrene
 Concen: 50.080 ng/ul
 RT: 19.688 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BG061492.D
 Acq: 5 Jun 2024 18:37

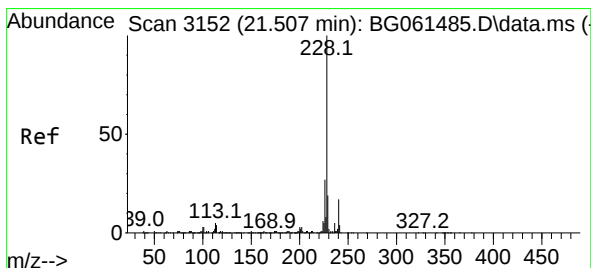
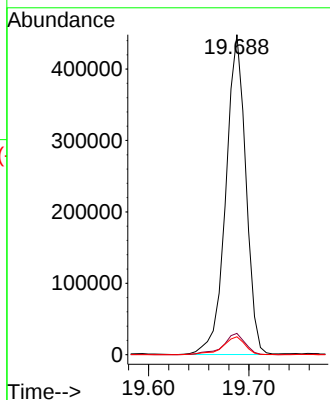
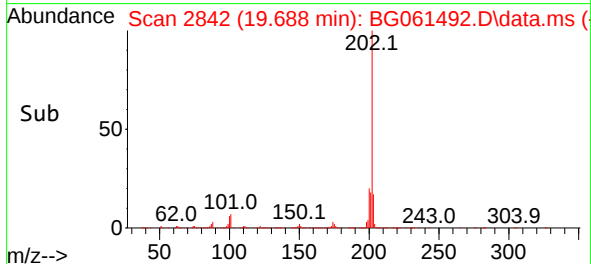
Instrument :
 BNA_G
 ClientSampleId :
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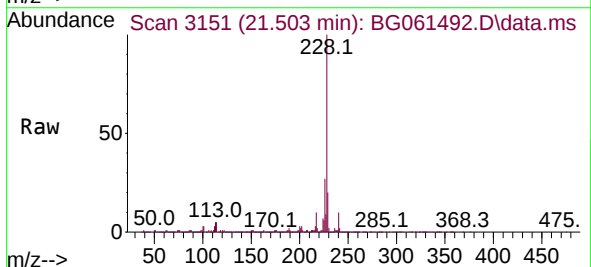
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 Ion Ratio Lower Upper
 202 100
 101 6.7 5.7 8.5
 100 5.6 5.1 7.7

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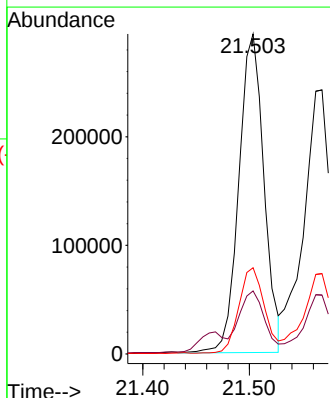
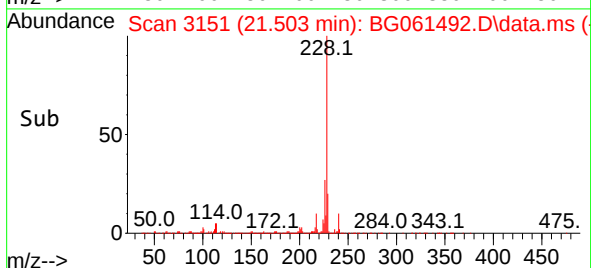
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

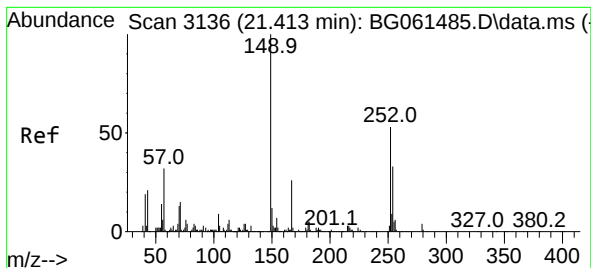


#85
 Benzo(a)anthracene
 Concen: 35.892 ng/ul
 RT: 21.503 min Scan# 3151
 Delta R.T. 0.009 min
 Lab File: BG061492.D
 Acq: 5 Jun 2024 18:37



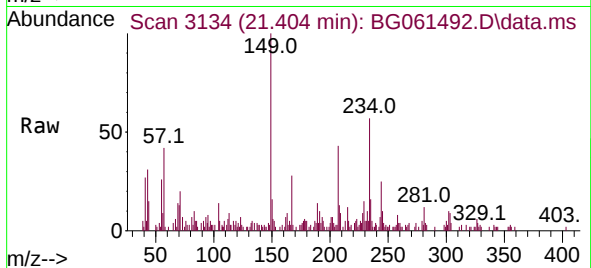
Tgt Ion:228 Resp: 480851
 Ion Ratio Lower Upper
 228 100
 229 19.7 15.2 22.8
 226 27.0 21.4 32.2





#86
 Bis(2-ethylhexyl)phthalate
 Concen: 1.906 ng/ul
 RT: 21.404 min Scan# 3134
 Delta R.T. -0.003 min
 Lab File: BG061492.D
 Acq: 5 Jun 2024 18:37

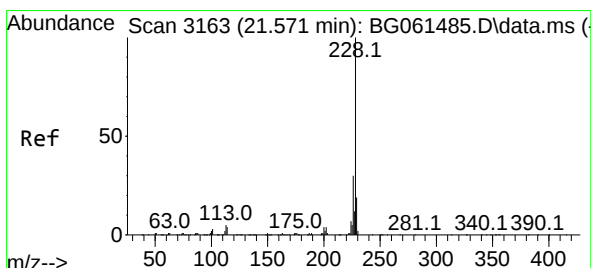
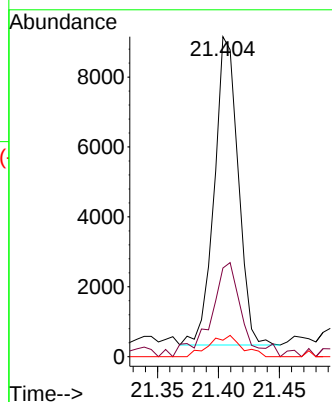
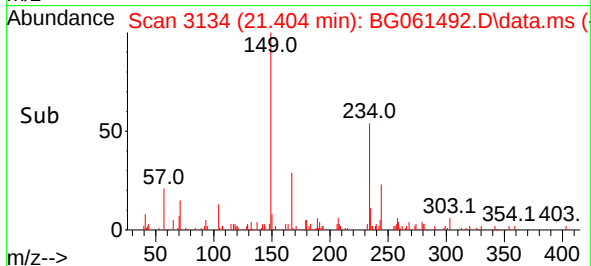
Instrument :
 BNA_G
 ClientSampleId :
 BHBR3



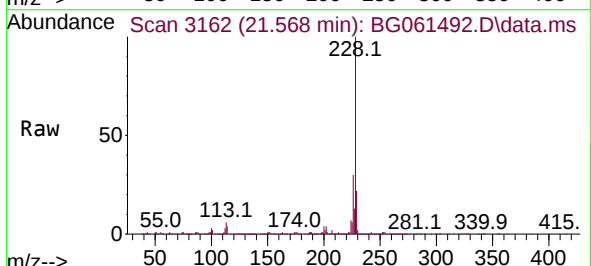
Tgt Ion:149 Resp: 12030
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.1 31.7
 279 5.2 3.3 4.9

Manual Integrations
 APPROVED

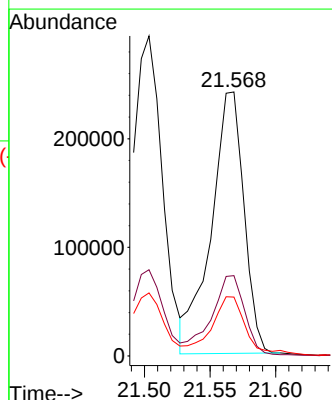
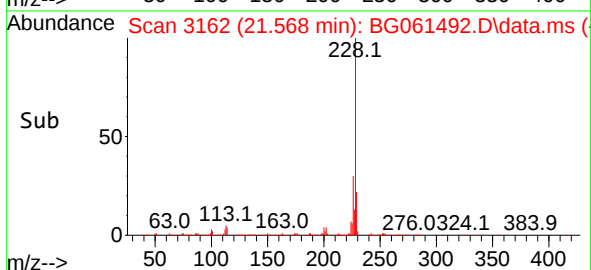
Reviewed By :Jagrut Upadhyay 06/06/2024
 Supervised By :mohammad ahmed 06/07/2024

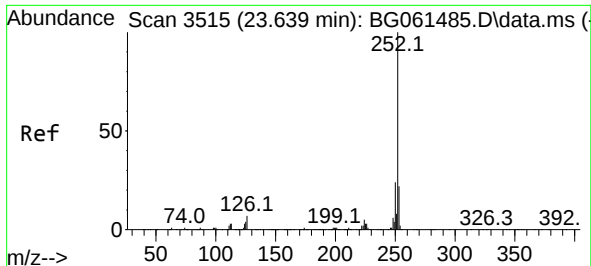


#87
 Chrysene
 Concen: 33.966 ng/ul
 RT: 21.568 min Scan# 3162
 Delta R.T. 0.015 min
 Lab File: BG061492.D
 Acq: 5 Jun 2024 18:37



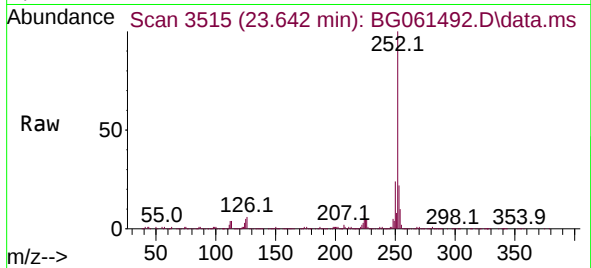
Tgt Ion:228 Resp: 419005
 Ion Ratio Lower Upper
 228 100
 226 30.4 23.4 35.0
 229 22.3 15.4 23.2





#90
Benzo(b)fluoranthene
Concen: 42.066 ng/ul
RT: 23.642 min Scan# 3515
Delta R.T. 0.027 min
Lab File: BG061492.D
Acq: 5 Jun 2024 18:37

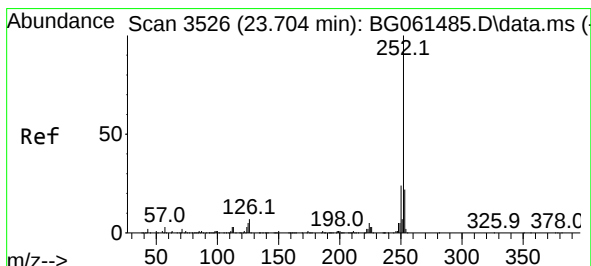
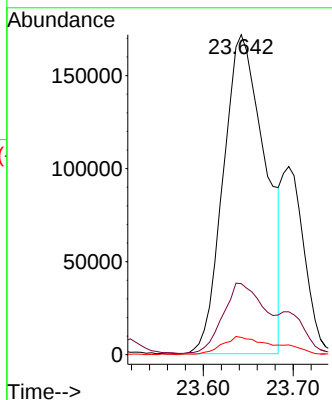
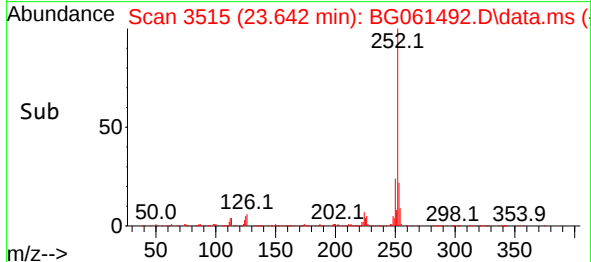
Instrument :
BNA_G
ClientSampleId :
BHBR3



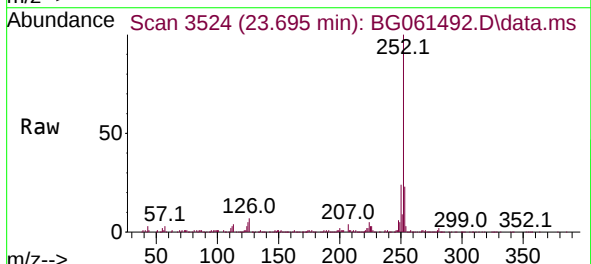
Tgt Ion:252 Resp: 55808
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 5.4 4.6 6.8

Manual Integrations
APPROVED

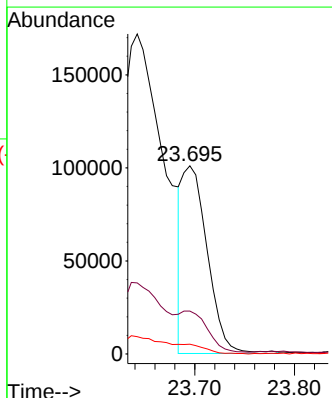
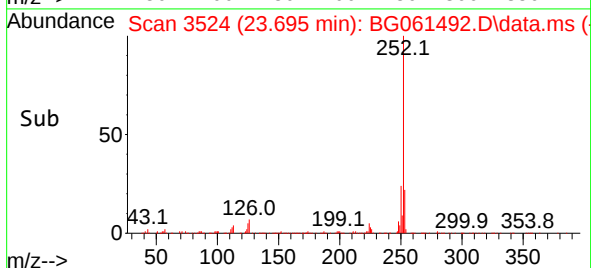
Reviewed By :Jagrut Upadhyay 06/06/2024
Supervised By :mohammad ahmed 06/07/2024

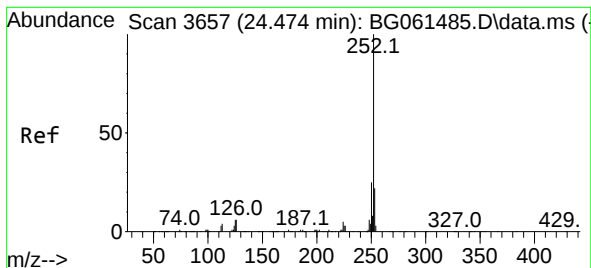


#91
Benzo(k)fluoranthene
Concen: 13.088 ng/ul m
RT: 23.695 min Scan# 3524
Delta R.T. 0.015 min
Lab File: BG061492.D
Acq: 5 Jun 2024 18:37



Tgt Ion:252 Resp: 176274
Ion Ratio Lower Upper
252 100
253 22.8 16.0 24.0
125 5.2 4.3 6.5





#93

Benzo(a)pyrene

Concen: 16.881 ng/ul

RT: 24.471 min Scan# 30

Delta R.T. 0.021 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

Instrument :

BNA_G

ClientSampleId :

BHBR3

Tgt Ion:252 Resp: 212659

Ion Ratio Lower Upper

252 100

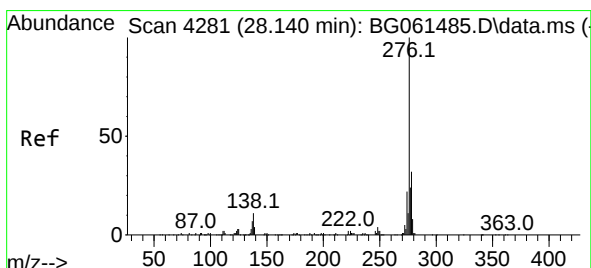
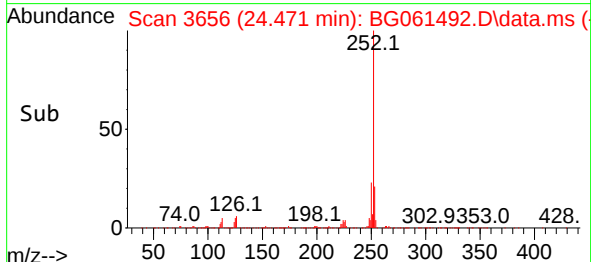
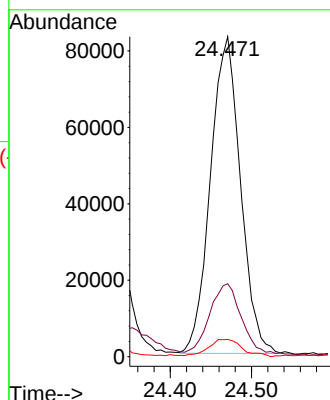
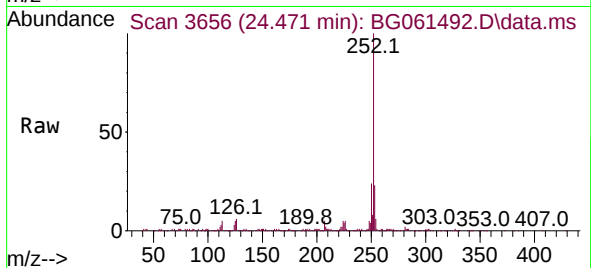
253 22.8 16.4 24.6

125 5.4 4.3 6.5

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 10.516 ng/ul m

RT: 28.119 min Scan# 4277

Delta R.T. 0.027 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

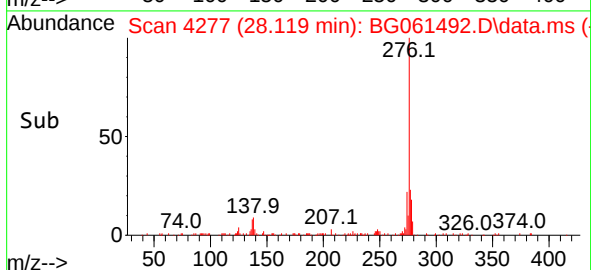
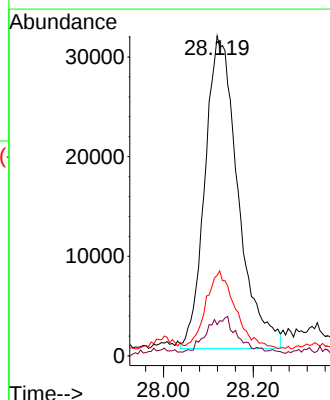
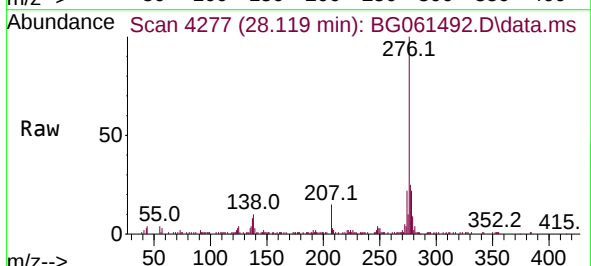
Tgt Ion:276 Resp: 160206

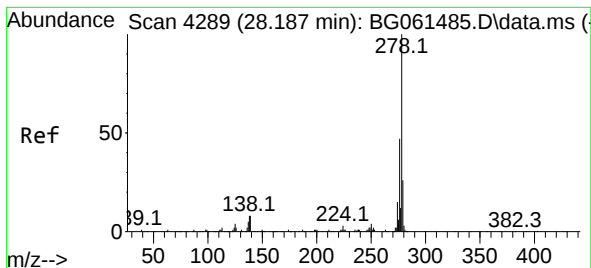
Ion Ratio Lower Upper

276 100

138 9.8 8.6 13.0

277 25.2 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 4.536 ng/ul m

RT: 28.154 min Scan# 4283

Delta R.T. 0.015 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

Instrument :

BNA_G

ClientSampleId :

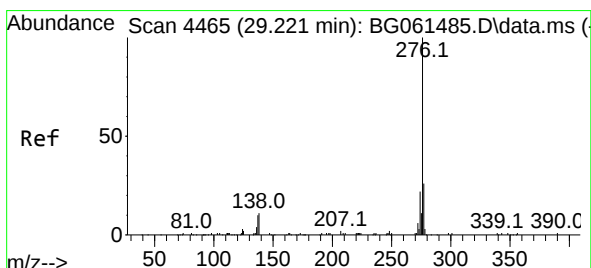
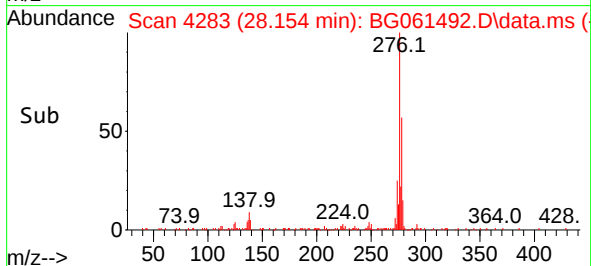
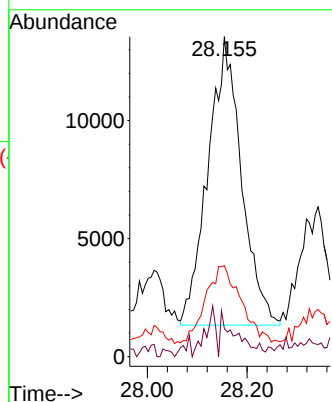
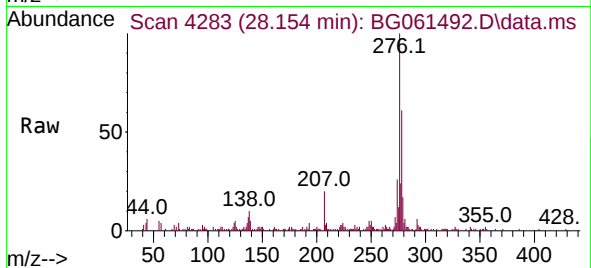
BHBR3

Tgt Ion:	278	Resp:	56979
Ion Ratio	Lower	Upper	
278	100		
139	8.8	6.4	9.6
279	28.4	19.9	29.9

Manual Integrations

APPROVED

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



#96

Benzo(g,h,i)perylene

Concen: 1.868 ng/ul m

RT: 29.241 min Scan# 4468

Delta R.T. 0.068 min

Lab File: BG061492.D

Acq: 5 Jun 2024 18:37

Tgt Ion:	276	Resp:	22635
Ion Ratio	Lower	Upper	
276	100		
138	11.8	8.7	13.1
277	23.9	18.2	27.2

