

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061571.D
 Acq On : 8 Jun 2024 18:57
 Operator : MA/JU
 Sample : P2647-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

Quant Time: Jun 10 00:16:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 06 12:15:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.870	152	27083	20.000	ng/u1	0.00
20) Naphthalene-d8	10.667	136	102470	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.509	164	76059	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.265	188	174357	20.000	ng/u1	0.00
79) Chrysene-d12	21.530	240	194444	20.000	ng/u1	0.01
88) Perylene-d12	24.633	264	213901	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	1840	3.802	ng/uL	-0.02
4) Pyridine-d5	3.739	84	17373	10.091	ng/u1	-0.03
7) Phenol-d5	7.071	99	49390	22.207	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.200	67	30127	21.551	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.412	132	43528	26.445	ng/u1	0.00
15) 4-Methylphenol-d8	8.598	113	35401	18.667	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	21073	26.710	ng/u1	0.00
24) 2-Nitrophenol-d4	9.750	143	25855	28.002	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	49829	27.682	ng/u1	0.00
31) 4-Chloroaniline-d4	10.808	131	14167	6.016	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	148271	25.135	ng/u1	0.00
49) Acenaphthylene-d8	14.204	160	161742	26.373	ng/u1	0.00
54) 4-Nitrophenol-d4	14.774	143	14649m	20.086	ng/u1	0.02
60) Fluorene-d10	15.508	176	132552	26.027	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.661	200	13298	12.610	ng/u1	0.01
73) Anthracene-d10	17.365	188	215354	28.016	ng/u1	0.00
81) Pyrene-d10	19.662	212	234234	23.461	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.421	264	197501	19.206	ng/u1	0.02
Target Compounds						
					Qvalue	
30) Naphthalene	10.720	128	17842	3.299	ng/u1#	96
36) 2-Methylnaphthalene	12.335	142	6682	1.704	ng/u1	97
37) 1-Methylnaphthalene	12.553	142	5308	1.319	ng/u1#	95
52) Acenaphthene	14.574	153	11519	2.582	ng/u1	93
56) Dibenzofuran	14.915	168	10507	1.647	ng/u1	91
61) Fluorene	15.567	166	11241	2.037	ng/u1	83
72) Phenanthrene	17.306	178	262248	30.989	ng/u1	99
74) Anthracene	17.400	178	37345	4.268	ng/u1	99
77) Carbazole	17.670	167	22274	3.130	ng/u1	96
78) Di-n-butylphthalate	18.223	149	13057	1.464	ng/u1#	93
80) Fluoranthene	19.333	202	639855	53.424	ng/u1#	97
82) Pyrene	19.691	202	488183	39.268	ng/u1	98
83) Butylbenzylphthalate	20.579	149	13863	3.246	ng/u1	97
85) Benzo(a)anthracene	21.513	228	359380	26.786	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.413	149	187901	29.723	ng/u1#	98
87) Chrysene	21.572	228	376394	30.468	ng/u1	96
89) Di-n-octyl phthalate	22.582	149	16254	1.519	ng/u1	100
90) Benzo(b)fluoranthene	23.663	252	482309	37.871	ng/u1	99
91) Benzo(k)fluoranthene	23.710	252	205665m	15.908	ng/u1	
93) Benzo(a)pyrene	24.492	252	183851	15.203	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	28.170	276	132398m	9.053	ng/u1	
95) Dibenzo(a,h)anthracene	28.187	278	45348m	3.761	ng/u1	

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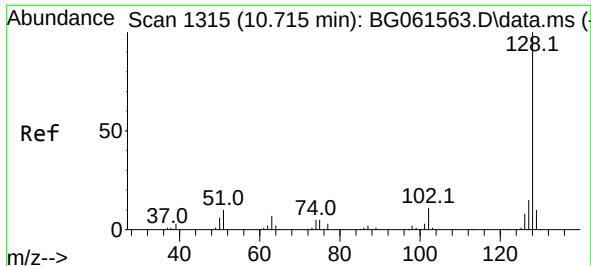
Manual Integrations
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Quant Time: Jun 10 00:16:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jun 06 12:15:45 2024
Response via : Initial Calibration

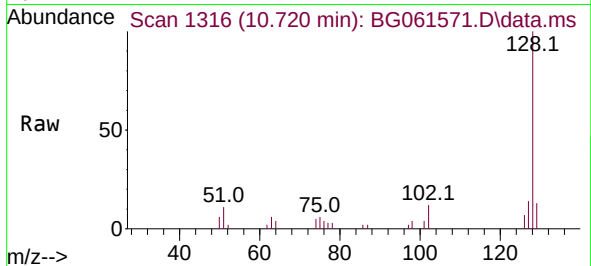
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#30
Naphthalene
Concen: 3.299 ng/ul
RT: 10.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG061571.D
Acq: 8 Jun 2024 18:57

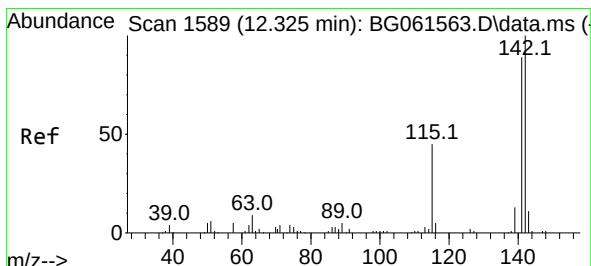
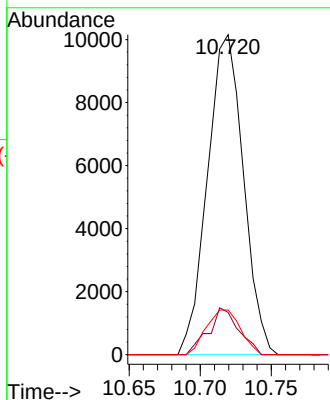
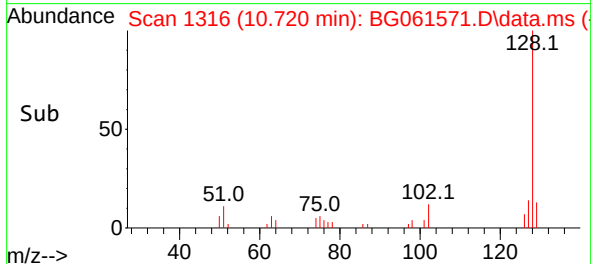
Instrument :
BNA_G
ClientSampleId :
BHBS6



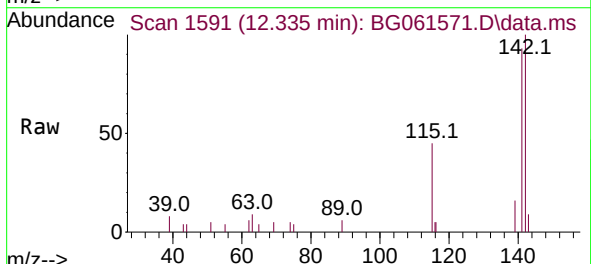
Tgt Ion:128 Resp: 1784
Ion Ratio Lower Upper
128 100
129 13.2 8.6 12.8
127 13.9 10.8 16.2

Manual Integrations
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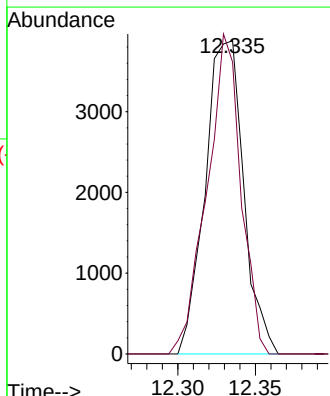
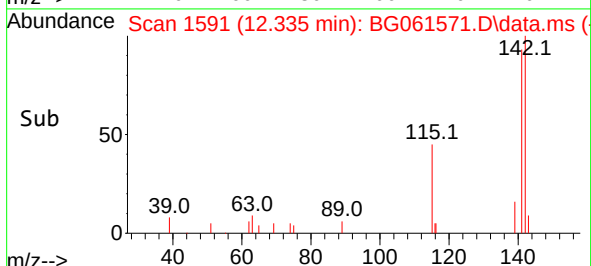
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

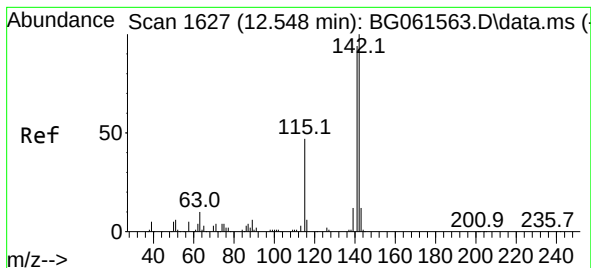


#36
2-Methylnaphthalene
Concen: 1.704 ng/ul
RT: 12.335 min Scan# 1591
Delta R.T. 0.005 min
Lab File: BG061571.D
Acq: 8 Jun 2024 18:57



Tgt Ion:142 Resp: 6682
Ion Ratio Lower Upper
142 100
141 93.1 72.2 108.2





#37

1-Methylnaphthalene

Concen: 1.319 ng/ul

RT: 12.553 min Scan# 1

Delta R.T. 0.005 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

Instrument :

BNA_G

ClientSampleId :

BHBS6

Tgt Ion:142 Resp: 5308

Ion Ratio Lower Upper

142 100

141 99.1 75.5 113.3

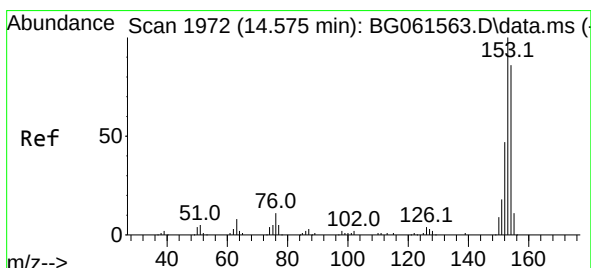
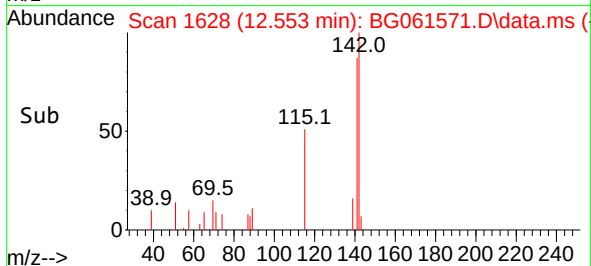
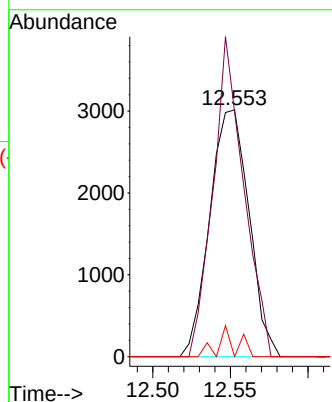
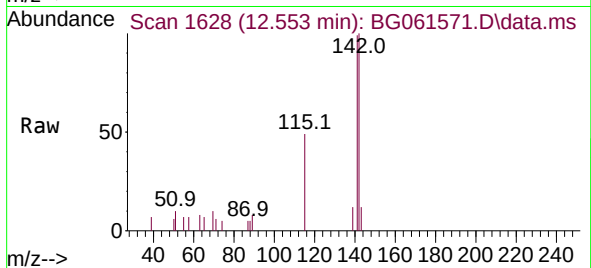
116 0.0 4.0 6.0

Manual Integrations

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#52

Acenaphthene

Concen: 2.582 ng/ul

RT: 14.574 min Scan# 1972

Delta R.T. -0.000 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

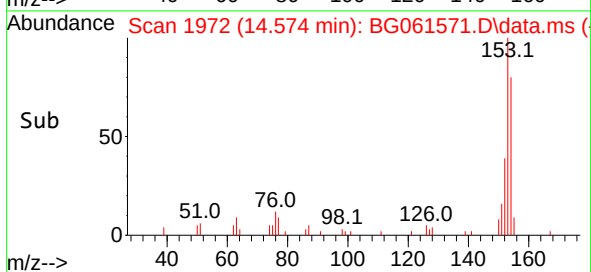
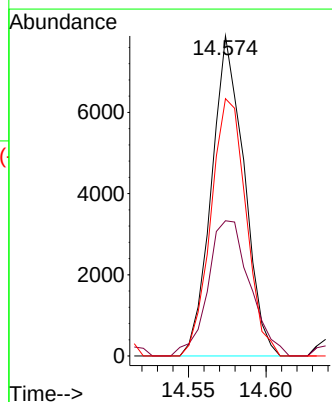
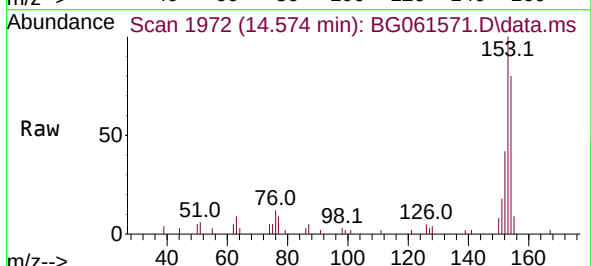
Tgt Ion:153 Resp: 11519

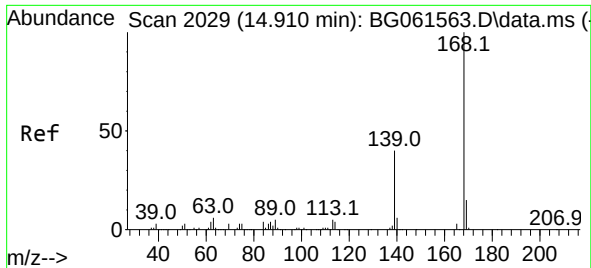
Ion Ratio Lower Upper

153 100

152 42.2 37.8 56.8

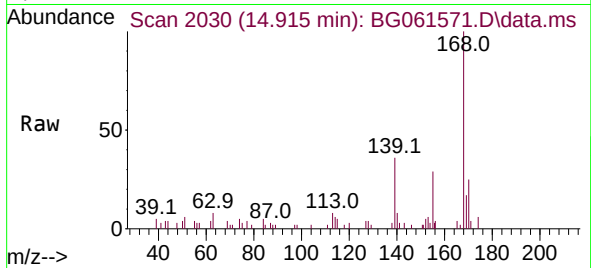
154 80.4 69.0 103.6





#56
Dibenzenofuran
Concen: 1.647 ng/ul
RT: 14.915 min Scan# 2029
Delta R.T. 0.005 min
Lab File: BG061571.D
Acq: 8 Jun 2024 18:57

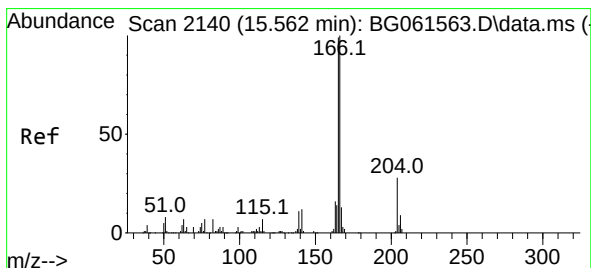
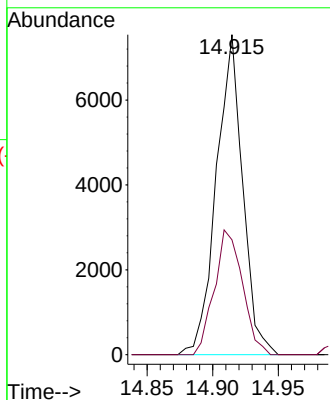
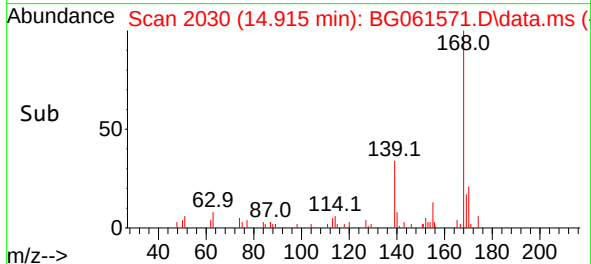
Instrument :
BNA_G
ClientSampleId :
BHBS6



Tgt Ion:168 Resp: 1050
Ion Ratio Lower Upper
168 100
139 35.9 33.4 50.2

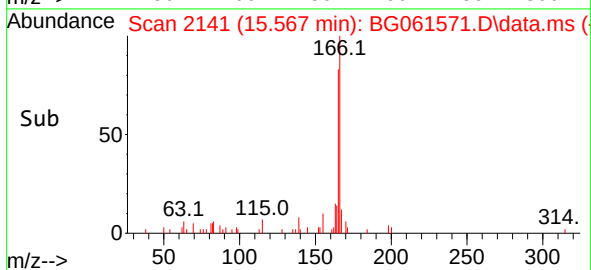
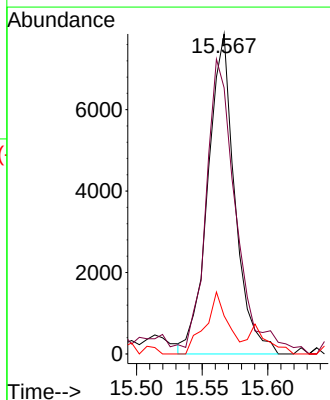
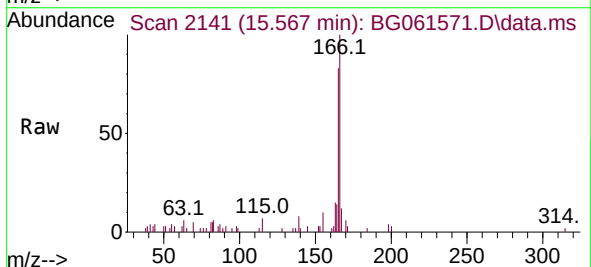
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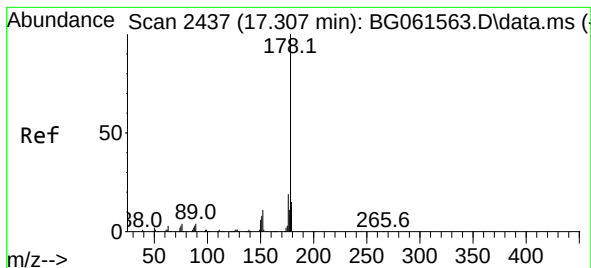
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#61
Fluorene
Concen: 2.037 ng/ul
RT: 15.567 min Scan# 2141
Delta R.T. 0.005 min
Lab File: BG061571.D
Acq: 8 Jun 2024 18:57

Tgt Ion:166 Resp: 11241
Ion Ratio Lower Upper
166 100
165 83.1 81.8 122.8
167 11.9 10.6 16.0





#72

Phenanthrene

Concen: 30.989 ng/u1

RT: 17.306 min Scan# 2437

Delta R.T. -0.000 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

Instrument :

BNA_G

ClientSampleId :

BHBS6

Tgt Ion:178 Resp: 26224

Ion Ratio Lower Upper

178 100

179 15.2 12.7 19.1

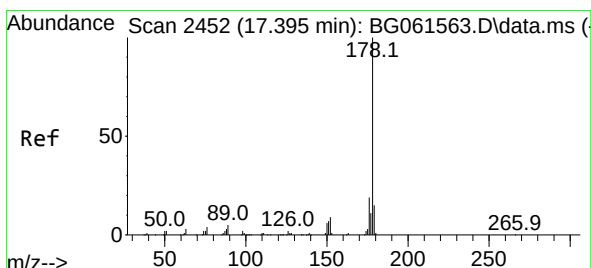
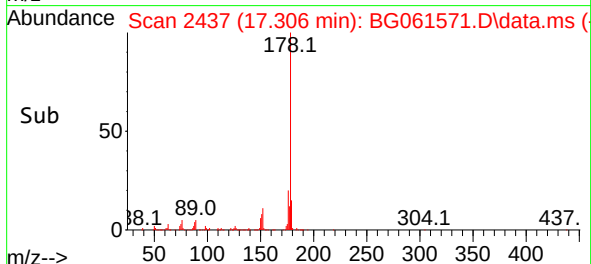
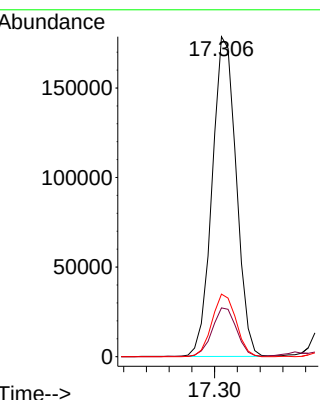
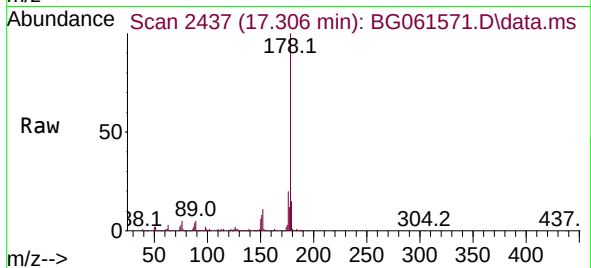
176 19.6 15.5 23.3

Manual Integrations

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Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#74

Anthracene

Concen: 4.268 ng/u1

RT: 17.400 min Scan# 2453

Delta R.T. 0.005 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

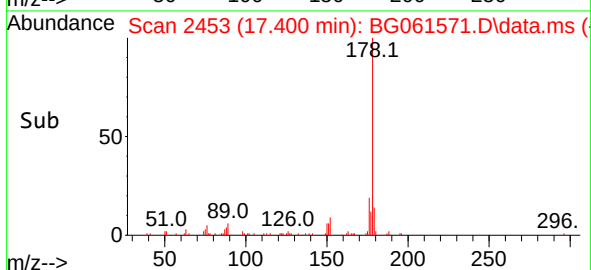
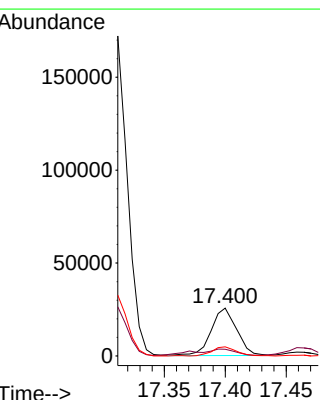
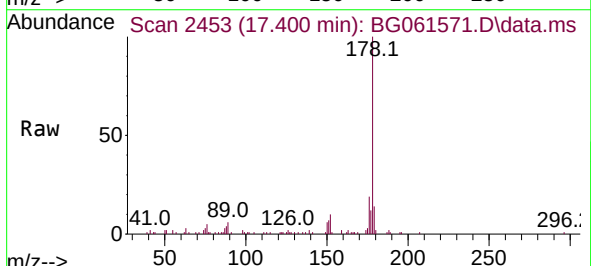
Tgt Ion:178 Resp: 37345

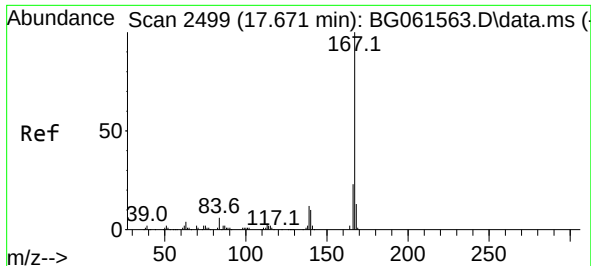
Ion Ratio Lower Upper

178 100

179 14.0 11.8 17.6

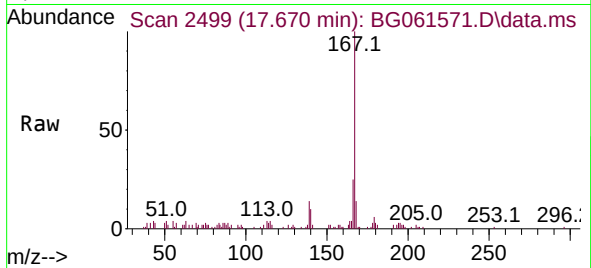
176 19.1 14.9 22.3





#77
 Carbazole
 Concen: 3.130 ng/ul
 RT: 17.670 min Scan# 2499
 Delta R.T. -0.000 min
 Lab File: BG061571.D
 Acq: 8 Jun 2024 18:57

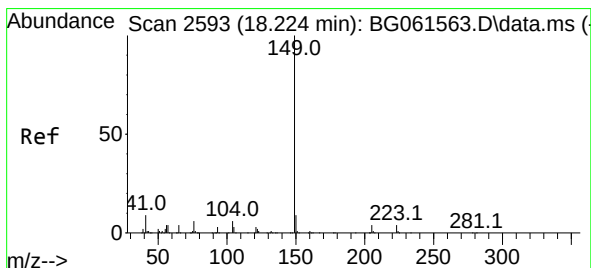
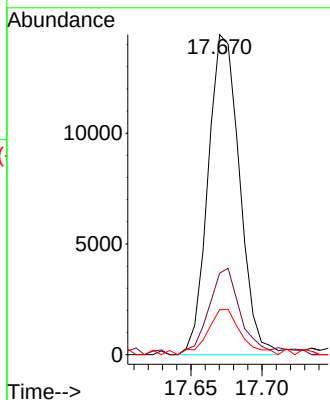
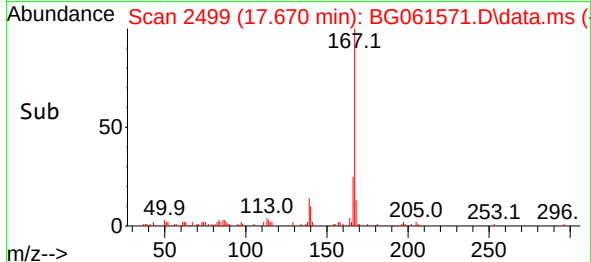
Instrument :
 BNA_G
 ClientSampleId :
 BHBS6



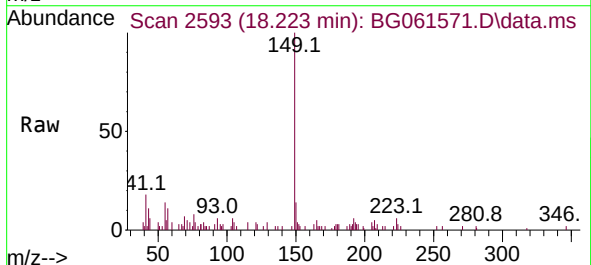
Tgt Ion:167 Resp: 22274
 Ion Ratio Lower Upper
 167 100
 166 25.5 18.6 28.0
 139 14.0 10.6 15.8

Manual Integrations
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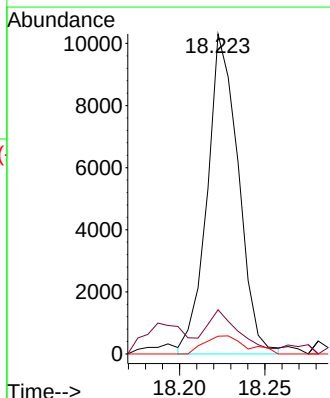
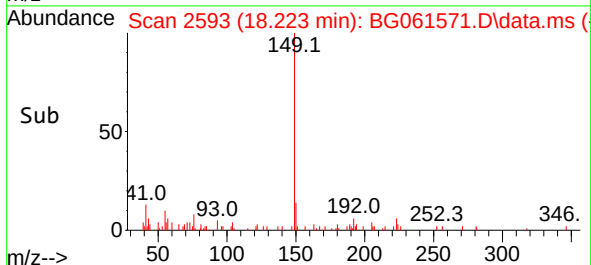
Reviewed By :Yogesh Patel 06/10/2024
 Supervised By :mohammad ahmed 06/10/2024

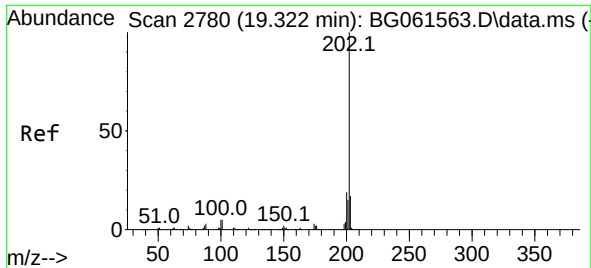


#78
 Di-n-butylphthalate
 Concen: 1.464 ng/ul
 RT: 18.223 min Scan# 2593
 Delta R.T. -0.000 min
 Lab File: BG061571.D
 Acq: 8 Jun 2024 18:57



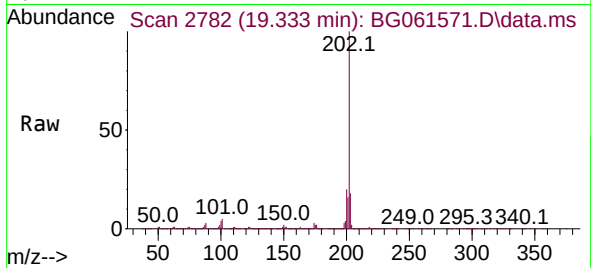
Tgt Ion:149 Resp: 13057
 Ion Ratio Lower Upper
 149 100
 150 13.8 7.8 11.8#
 104 5.5 4.8 7.2





#80
Fluoranthene
Concen: 53.424 ng/u1
RT: 19.333 min Scan# 21
Delta R.T. 0.011 min
Lab File: BG061571.D
Acq: 8 Jun 2024 18:57

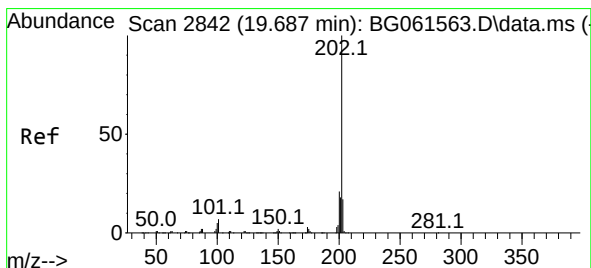
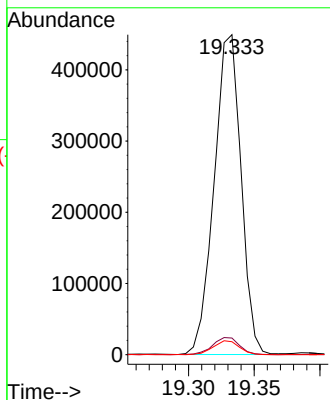
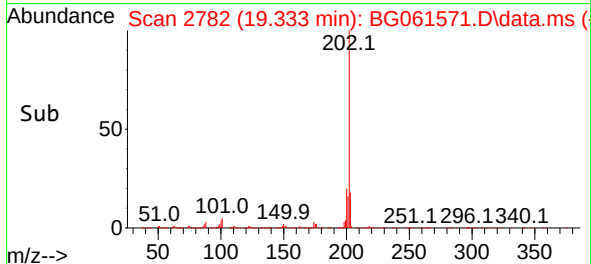
Instrument :
BNA_G
ClientSampleId :
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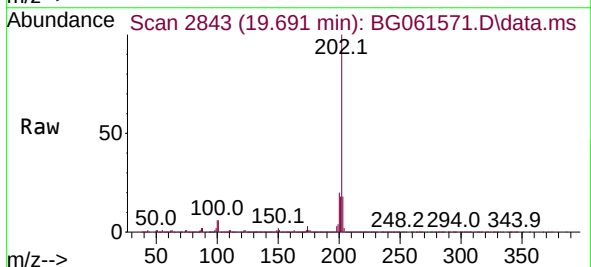
Tgt Ion:202 Resp: 63985
Ion Ratio Lower Upper
202 100
101 5.2 4.8 7.2
100 4.1 4.1 6.1

Manual Integrations
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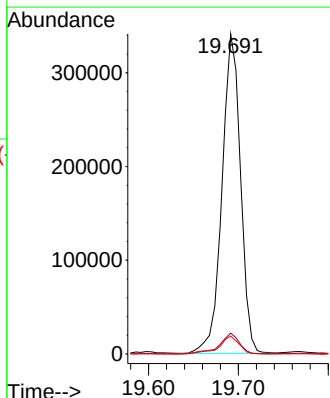
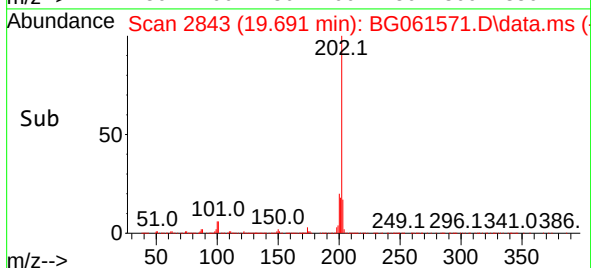
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

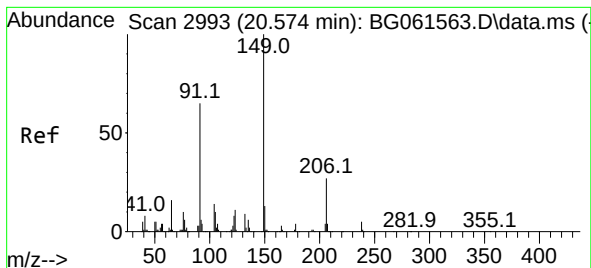


#82
Pyrene
Concen: 39.268 ng/u1
RT: 19.691 min Scan# 2843
Delta R.T. 0.005 min
Lab File: BG061571.D
Acq: 8 Jun 2024 18:57



Tgt Ion:202 Resp: 488183
Ion Ratio Lower Upper
202 100
101 6.5 5.7 8.5
100 5.6 5.1 7.7





#83

Butylbenzylphthalate

Concen: 3.246 ng/ul

RT: 20.579 min Scan# 2993

Delta R.T. 0.005 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

Instrument :

BNA_G

ClientSampleId :

BHBS6

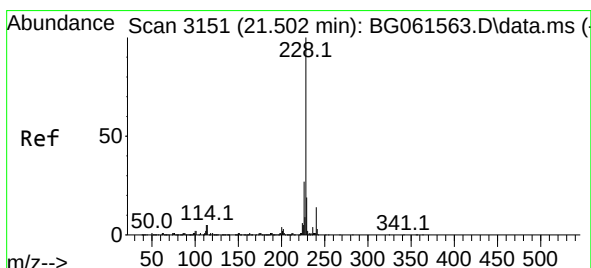
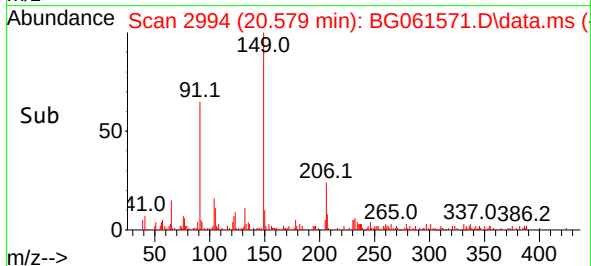
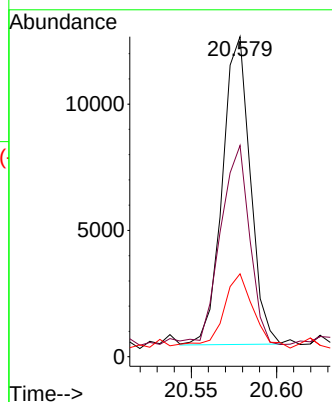
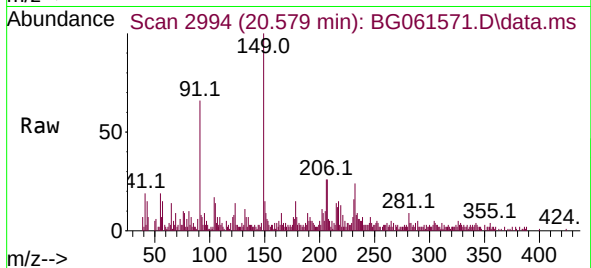
Tgt Ion:	149	Resp:	1386
Ion Ratio	Lower	Upper	
149	100		
91	66.0	54.8	82.2
206	25.9	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#85

Benzo(a)anthracene

Concen: 26.786 ng/ul

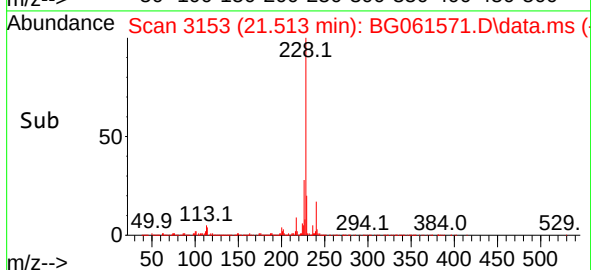
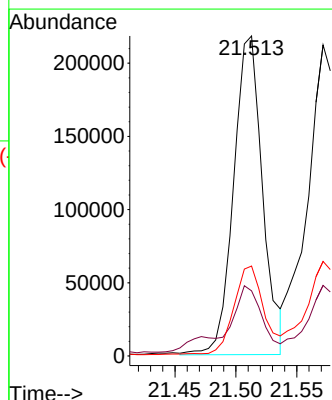
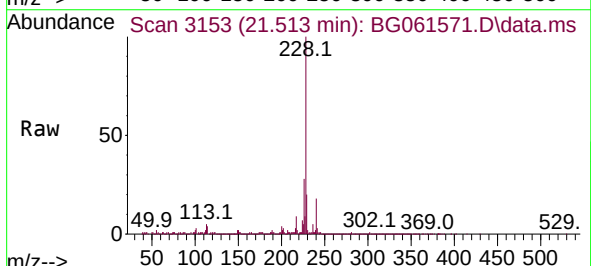
RT: 21.513 min Scan# 3153

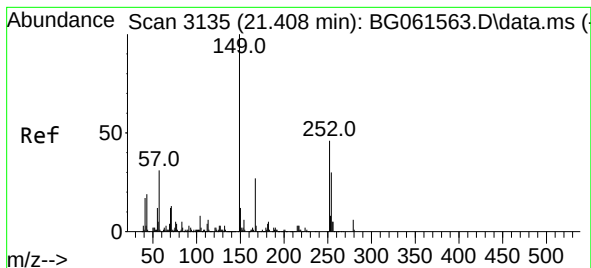
Delta R.T. 0.011 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

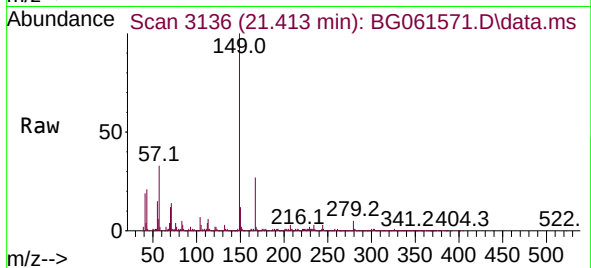
Tgt Ion:	228	Resp:	359380
Ion Ratio	Lower	Upper	
228	100		
229	20.4	15.2	22.8
226	28.1	21.4	32.2





#86
Bis(2-ethylhexyl)phthalate
Concen: 29.723 ng/ul
RT: 21.413 min Scan# 3136
Delta R.T. 0.005 min
Lab File: BG061571.D
Acq: 8 Jun 2024 18:57

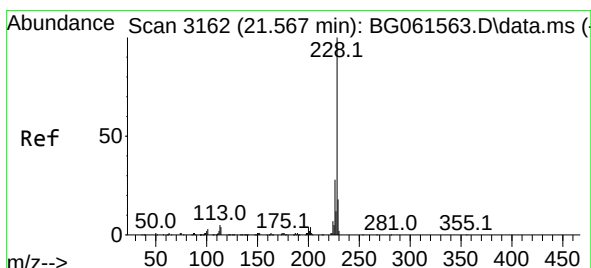
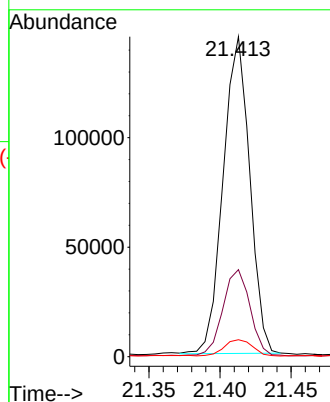
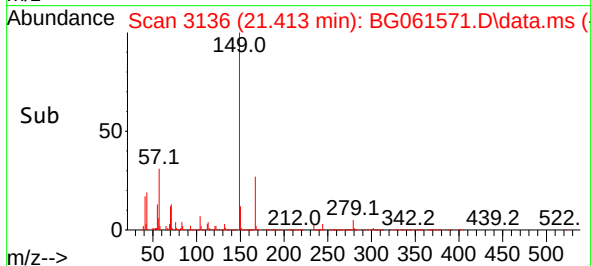
Instrument :
BNA_G
ClientSampleId :
BHBS6



Tgt Ion:149 Resp: 18790
Ion Ratio Lower Upper
149 100
167 27.2 21.1 31.7
279 5.3 3.3 4.9

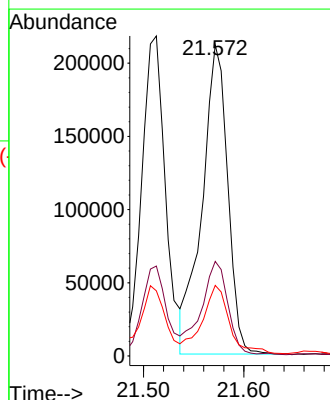
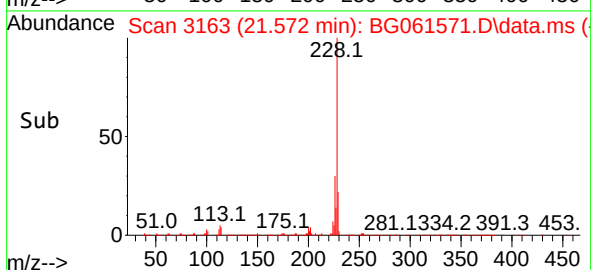
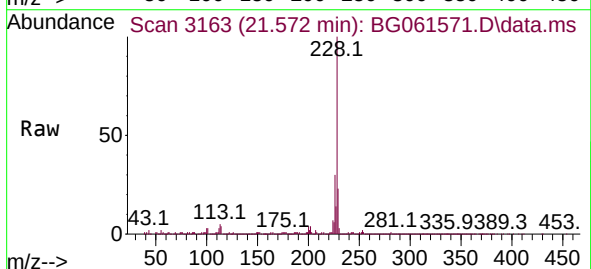
Manual Integrations
APPROVED

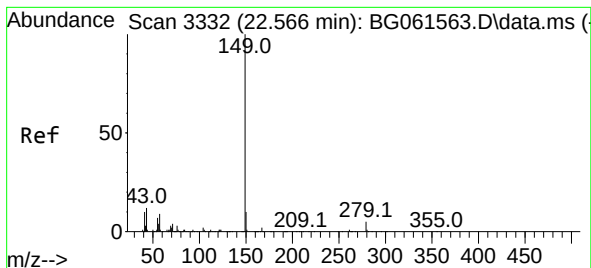
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#87
Chrysene
Concen: 30.468 ng/ul
RT: 21.572 min Scan# 3163
Delta R.T. 0.005 min
Lab File: BG061571.D
Acq: 8 Jun 2024 18:57

Tgt Ion:228 Resp: 376394
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.0
229 22.7 15.4 23.2





#89

Di-n-octyl phthalate

Concen: 1.519 ng/ul

RT: 22.582 min Scan# 31

Delta R.T. 0.017 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

Instrument :

BNA_G

ClientSampleId :

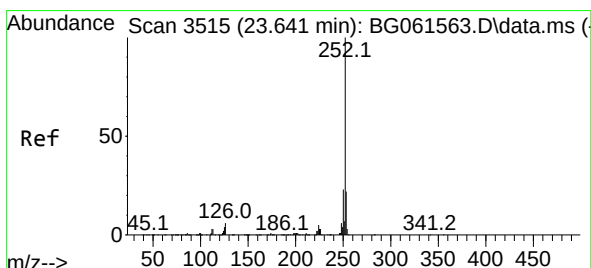
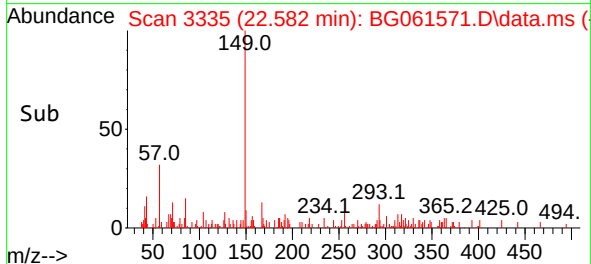
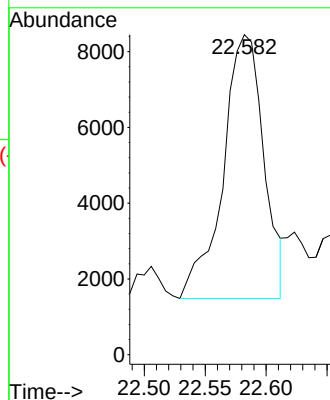
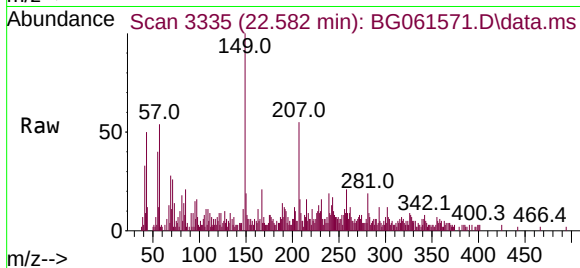
BHBS6

Tgt Ion:149 Resp: 16254

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 37.871 ng/ul

RT: 23.663 min Scan# 3519

Delta R.T. 0.029 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

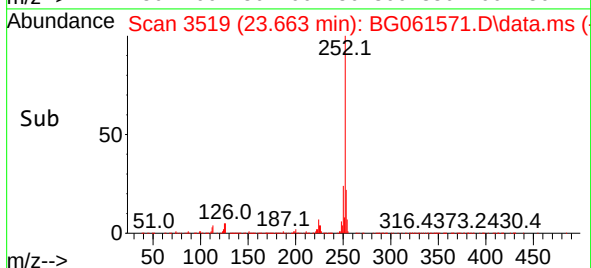
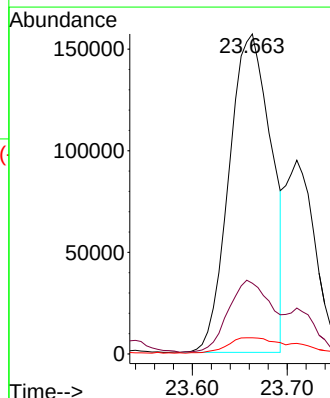
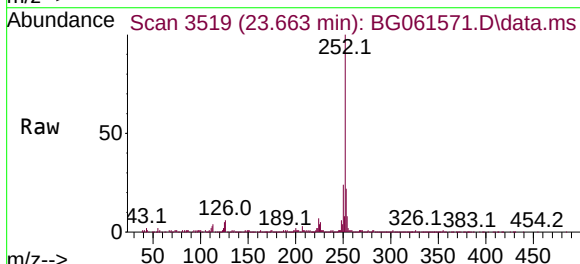
Tgt Ion:252 Resp: 482309

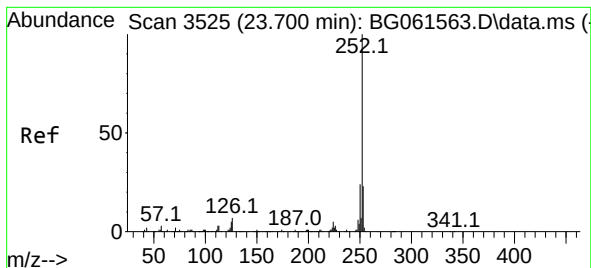
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 5.1 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 15.908 ng/ul m

RT: 23.710 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

Instrument :

BNA_G

ClientSampleId :

BHBS6

Tgt Ion:252 Resp: 20566

Ion Ratio Lower Upper

252 100

253 23.7 16.0 24.0

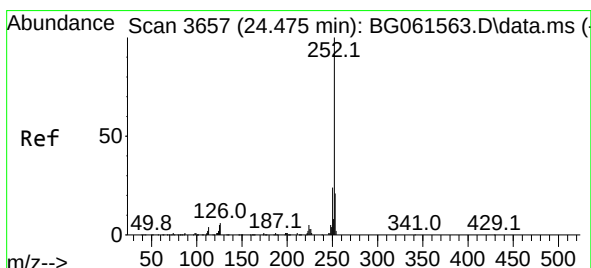
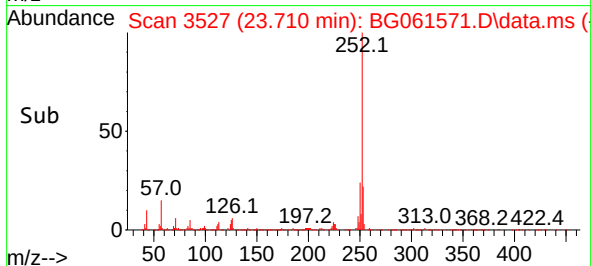
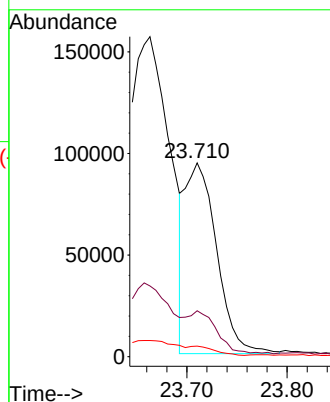
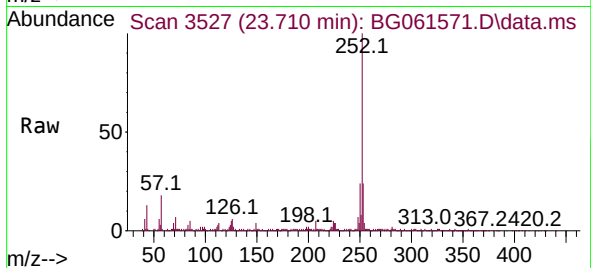
125 5.5 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#93

Benzo(a)pyrene

Concen: 15.203 ng/ul

RT: 24.492 min Scan# 3660

Delta R.T. 0.023 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

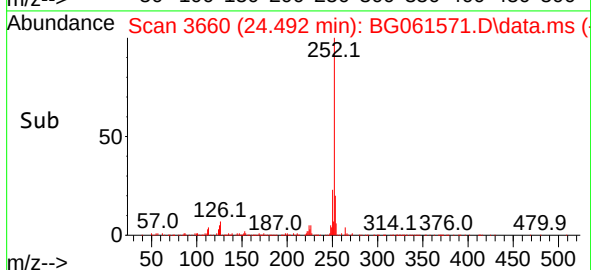
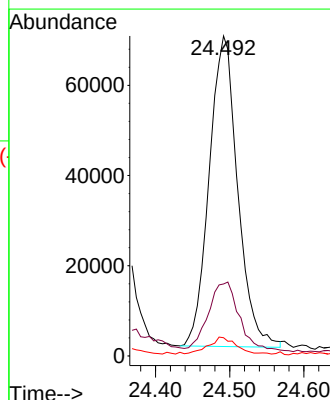
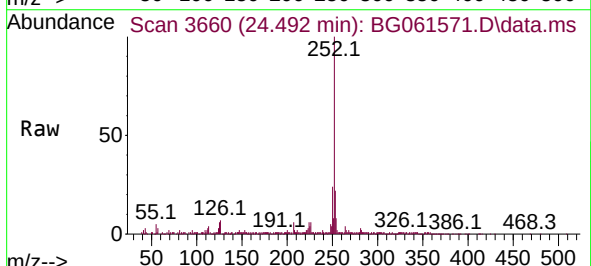
Tgt Ion:252 Resp: 183851

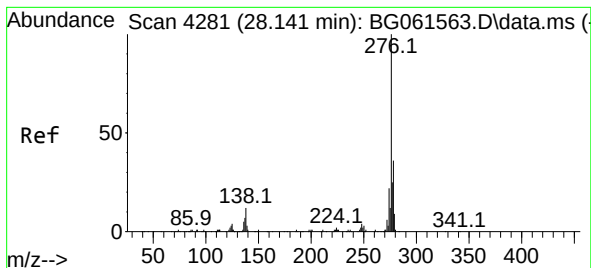
Ion Ratio Lower Upper

252 100

253 22.5 16.4 24.6

125 5.7 4.3 6.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.053 ng/ul m

RT: 28.170 min Scan# 4286

Delta R.T. 0.035 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

Instrument :

BNA_G

ClientSampleId :

BHBS6

Tgt Ion:276 Resp: 132398

Ion Ratio Lower Upper

276 100

138 10.7 8.6 13.0

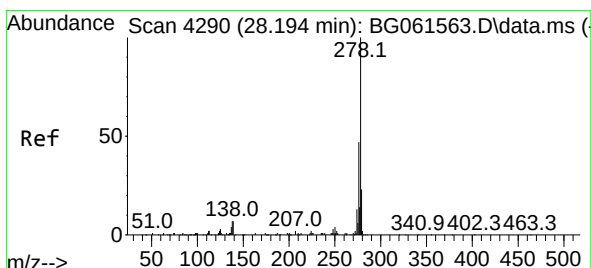
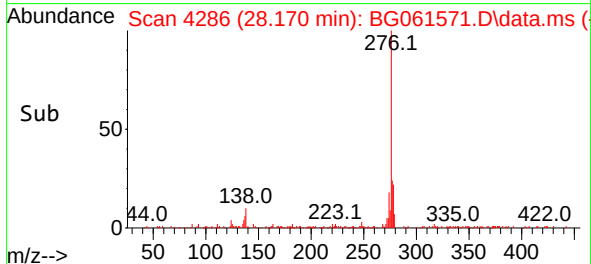
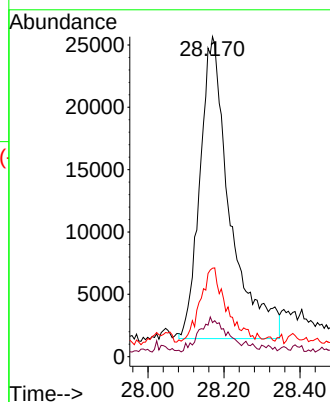
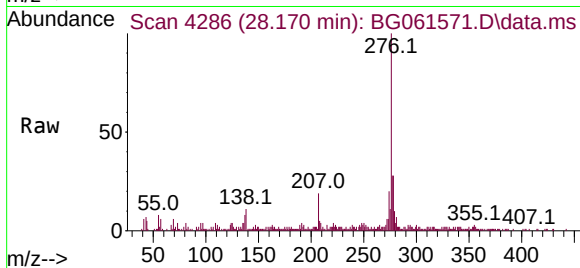
277 27.7 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#95

Dibenzo(a,h)anthracene

Concen: 3.761 ng/ul m

RT: 28.187 min Scan# 4289

Delta R.T. 0.017 min

Lab File: BG061571.D

Acq: 8 Jun 2024 18:57

Tgt Ion:278 Resp: 45348

Ion Ratio Lower Upper

278 100

139 7.4 6.4 9.6

279 28.6 19.9 29.9

