

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
 Data File : BG061572.D
 Acq On : 8 Jun 2024 19:38
 Operator : MA/JU
 Sample : P2647-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BHBS7

Manual Integrations
 APPROVED

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

Quant Time: Jun 10 00:21:56 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	27692	20.000	ng/u1	0.00
20) Naphthalene-d8	10.666	136	105994	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.515	164	79223	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.264	188	184744	20.000	ng/u1	0.00
79) Chrysene-d12	21.530	240	196622	20.000	ng/u1	0.01
88) Perylene-d12	24.638	264	217727	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.334	96	2092m	4.228	ng/uL	-0.02
4) Pyridine-d5	3.745	84	10966	6.229	ng/u1	-0.02
7) Phenol-d5	7.070	99	50279	22.110	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.200	67	29366	20.545	ng/u1	-0.01
11) 2-Chlorophenol-d4	7.417	132	40745	24.210	ng/u1	0.00
15) 4-Methylphenol-d8	8.604	113	36828	18.992	ng/u1	0.00
21) Nitrobenzene-d5	9.033	128	21645	26.523	ng/u1	0.00
24) 2-Nitrophenol-d4	9.756	143	25331	26.522	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.308	165	52757	28.334	ng/u1	0.00
31) 4-Chloroaniline-d4	10.807	131	15852	6.507	ng/u1	0.00
46) Dimethylphthalate-d6	13.915	166	162806	26.497	ng/u1	0.00
49) Acenaphthylene-d8	14.203	160	174698	27.348	ng/u1	0.00
54) 4-Nitrophenol-d4	14.773	143	15573m	20.500	ng/u1	0.02
60) Fluorene-d10	15.508	176	142007	26.770	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.660	200	15358	13.745	ng/u1	0.01
73) Anthracene-d10	17.364	188	232575	28.555	ng/u1	0.00
81) Pyrene-d10	19.662	212	258372	25.592	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.421	264	218715	20.895	ng/u1	0.02
Target Compounds					Qvalue	
30) Naphthalene	10.713	128	14411	2.576	ng/u1	97
36) 2-Methylnaphthalene	12.329	142	8402	2.071	ng/u1	96
37) 1-Methylnaphthalene	12.552	142	8581	2.061	ng/u1	92
50) Acenaphthylene	14.239	152	10027m	1.416	ng/u1	
52) Acenaphthene	14.573	153	16245	3.496	ng/u1	94
56) Dibenzofuran	14.914	168	10760	1.620	ng/u1	98
61) Fluorene	15.561	166	14820	2.578	ng/u1#	94
72) Phenanthrene	17.311	178	406379	45.321	ng/u1	98
74) Anthracene	17.400	178	52851	5.701	ng/u1	99
77) Carbazole	17.670	167	25571	3.391	ng/u1	95
78) Di-n-butylphthalate	18.228	149	12395	1.312	ng/u1#	93
80) Fluoranthene	19.333	202	759250	62.691	ng/u1	97
82) Pyrene	19.691	202	673713	53.591	ng/u1	98
83) Butylbenzylphthalate	20.578	149	9203	2.131	ng/u1	95
85) Benzo(a)anthracene	21.512	228	452298	33.338	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.412	149	150659	23.568	ng/u1#	96
87) Chrysene	21.577	228	480927	38.498	ng/u1	96
90) Benzo(b)fluoranthene	23.657	252	586391	45.235	ng/u1	99
91) Benzo(k)fluoranthene	23.710	252	205917m	15.647	ng/u1	
93) Benzo(a)pyrene	24.491	252	243719	19.799	ng/u1	93
94) Indeno(1,2,3-cd)pyrene	28.169	276	171410m	11.515	ng/u1	
95) Dibenzo(a,h)anthracene	28.205	278	56356m	4.591	ng/u1	

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Quant Time: Jun 10 00:21:56 2024
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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						

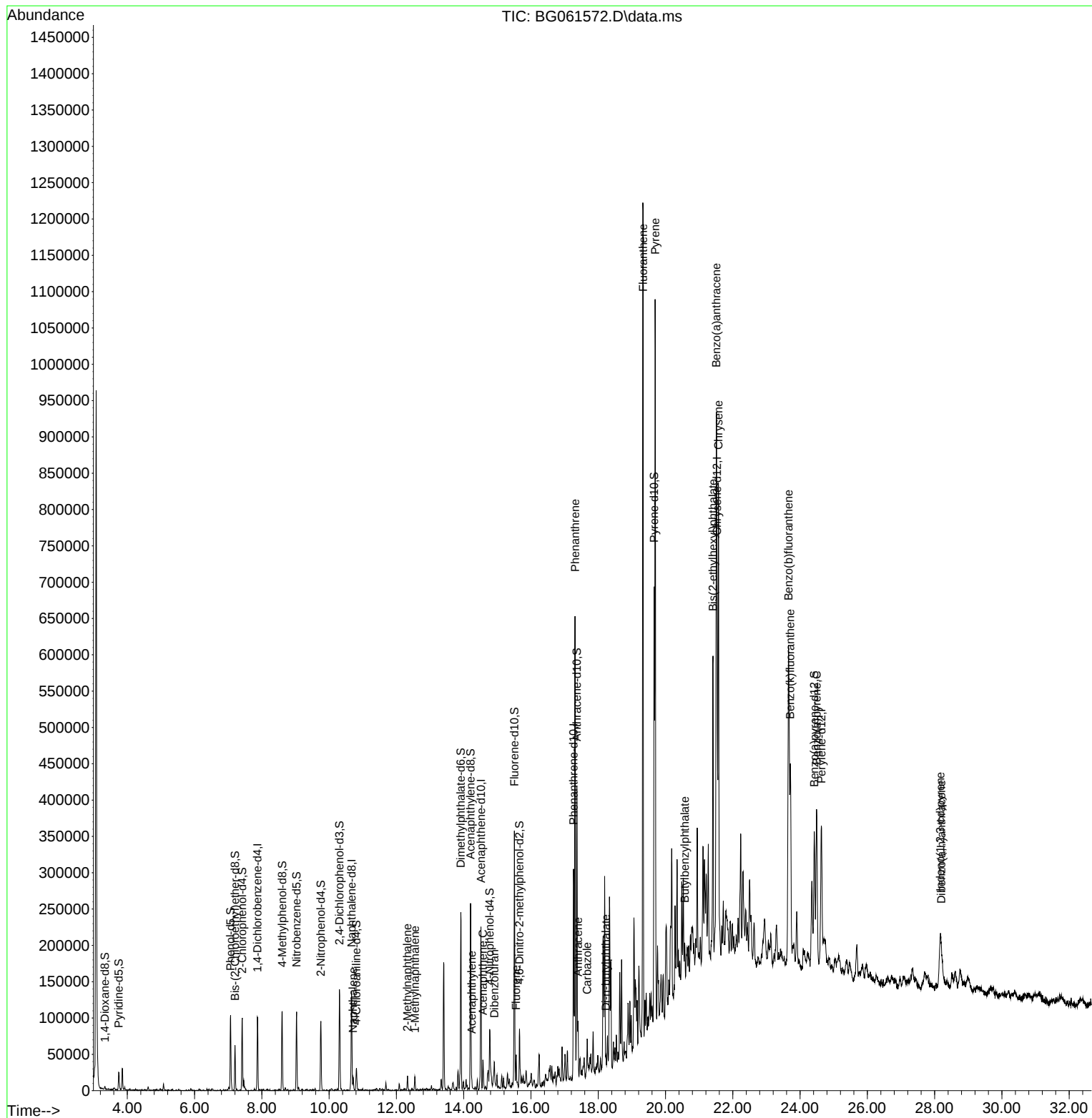
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060724\
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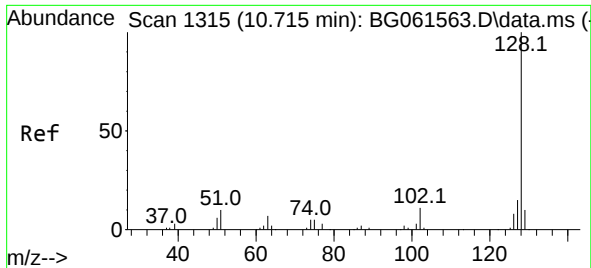
Instrument :
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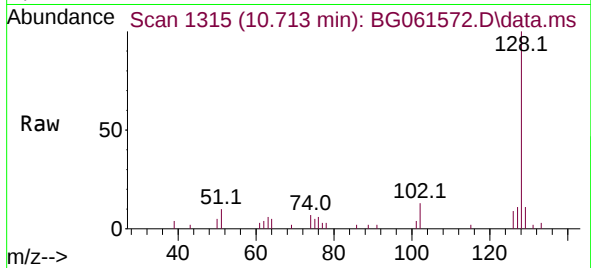
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024





#30
Naphthalene
Concen: 2.576 ng/ul
RT: 10.713 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

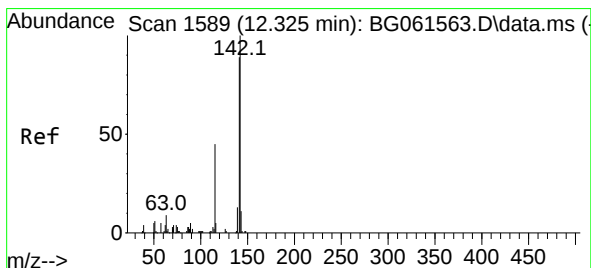
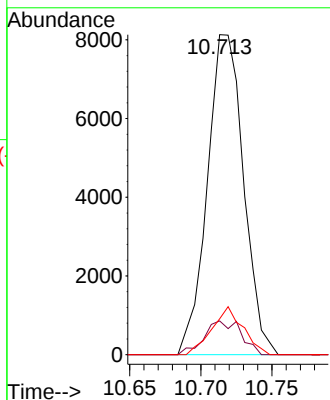
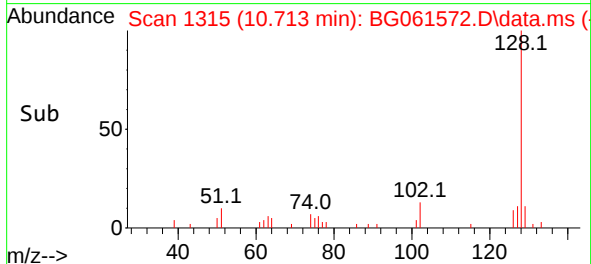
Instrument :
BNA_G
ClientSampleId :
BHBS7



Tgt Ion:128 Resp: 1441
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 11.2 10.8 16.2

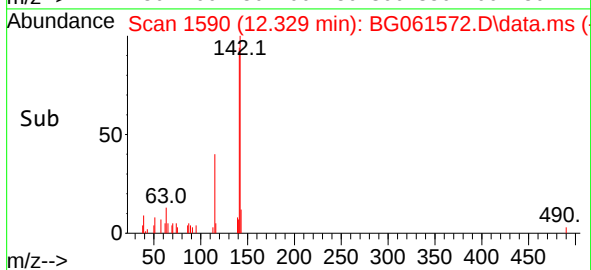
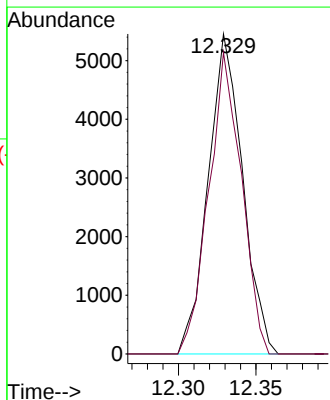
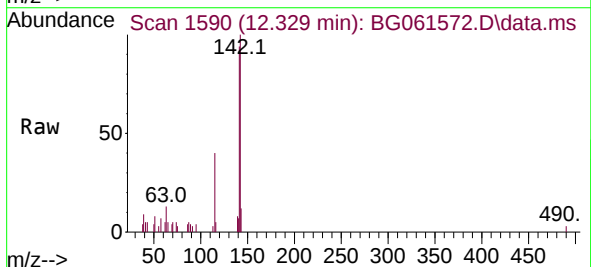
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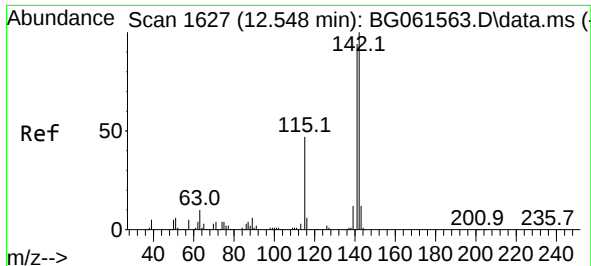
Reviewed By :Yogesh Patel 06/10/2024
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#36
2-Methylnaphthalene
Concen: 2.071 ng/ul
RT: 12.329 min Scan# 1590
Delta R.T. -0.001 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

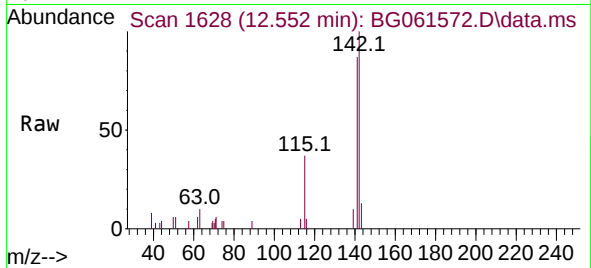
Tgt Ion:142 Resp: 8402
Ion Ratio Lower Upper
142 100
141 94.2 72.2 108.2





#37
1-Methylnaphthalene
Concen: 2.061 ng/ul
RT: 12.552 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

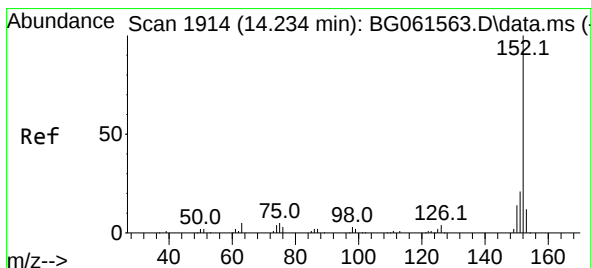
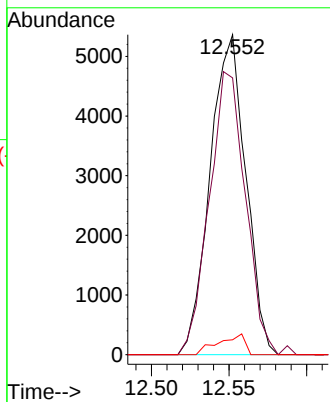
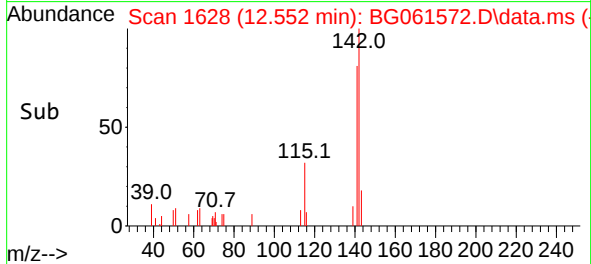
Instrument :
BNA_G
ClientSampleId :
BHBS7



Tgt Ion:142 Resp: 858
Ion Ratio Lower Upper
142 100
141 86.5 75.5 113.3
116 4.7 4.0 6.0

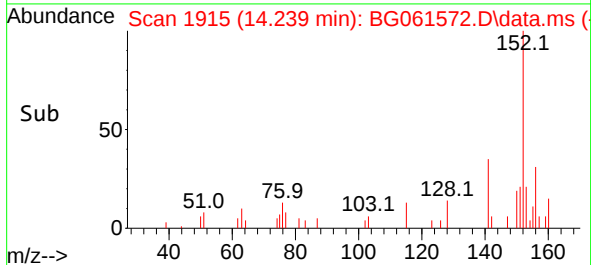
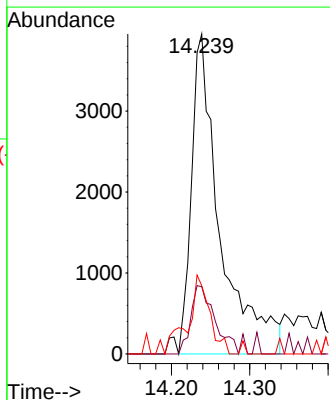
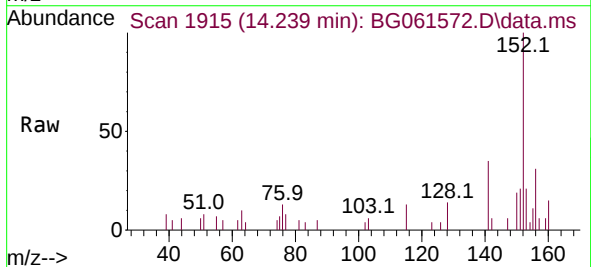
Manual Integrations
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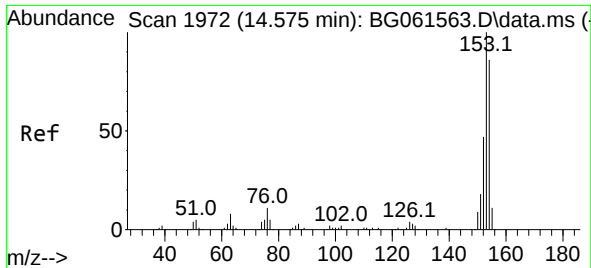
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024



#50
Acenaphthylene
Concen: 1.416 ng/ul m
RT: 14.239 min Scan# 1915
Delta R.T. 0.005 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

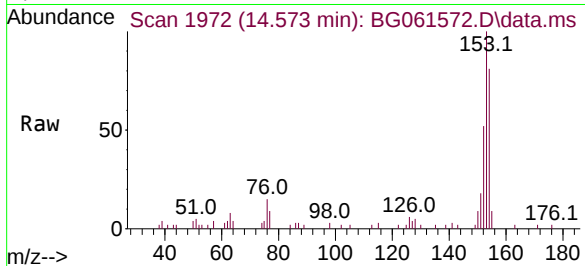
Tgt Ion:152 Resp: 10027
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.2
153 21.3 10.2 15.4#





#52
Acenaphthene
Concen: 3.496 ng/uI
RT: 14.573 min Scan# 1972
Delta R.T. -0.001 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

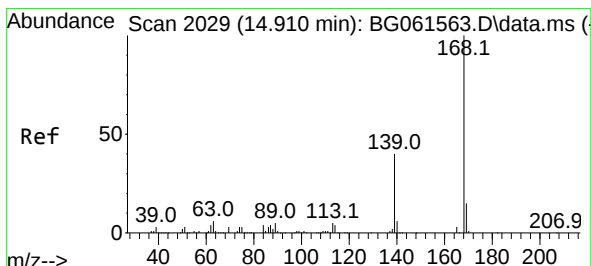
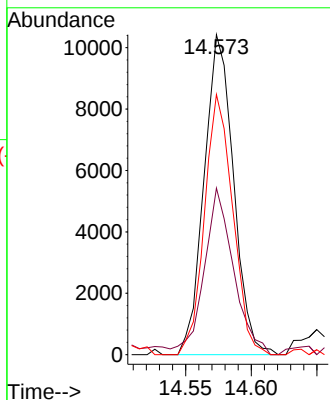
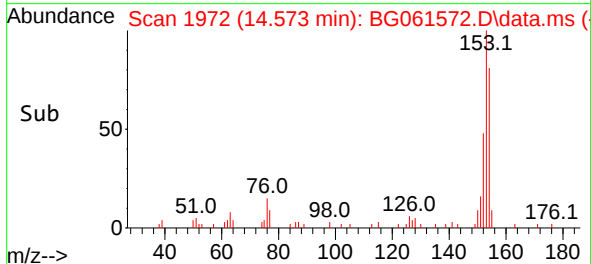
Instrument :
BNA_G
ClientSampleId :
BHBS7



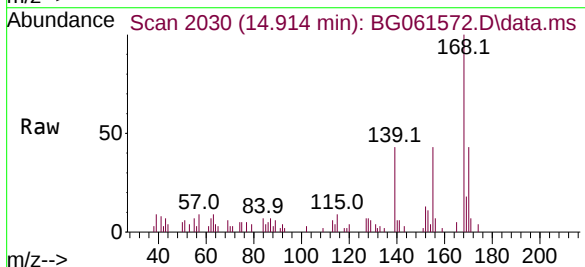
Tgt Ion:153 Resp: 1624
Ion Ratio Lower Upper
153 100
152 52.1 37.8 56.8
154 81.3 69.0 103.6

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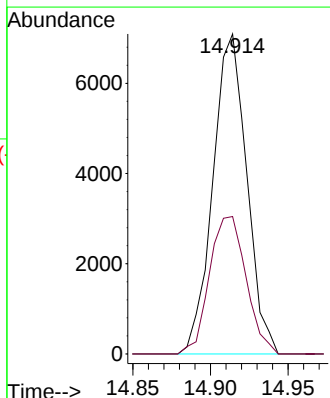
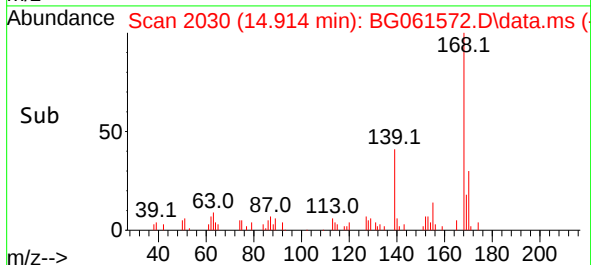
Reviewed By :Yogesh Patel 06/10/2024
Supervised By :mohammad ahmed 06/10/2024

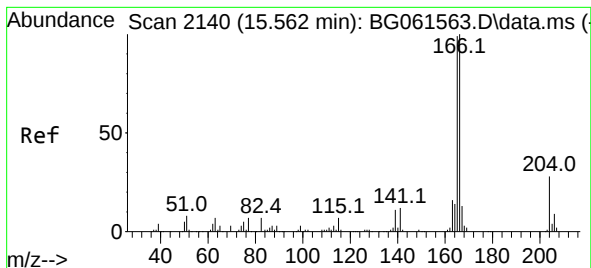


#56
Dibenzofuran
Concen: 1.620 ng/uI
RT: 14.914 min Scan# 2030
Delta R.T. 0.005 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38



Tgt Ion:168 Resp: 10760
Ion Ratio Lower Upper
168 100
139 43.0 33.4 50.2





#61

Fluorene

Concen: 2.578 ng/ul

RT: 15.561 min Scan# 2140

Delta R.T. -0.001 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

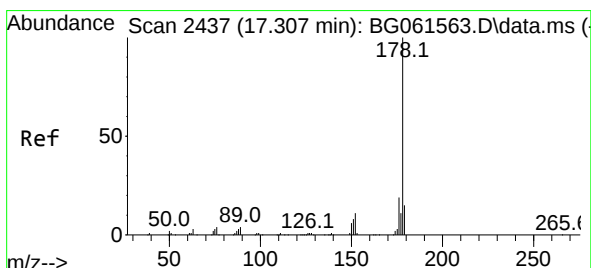
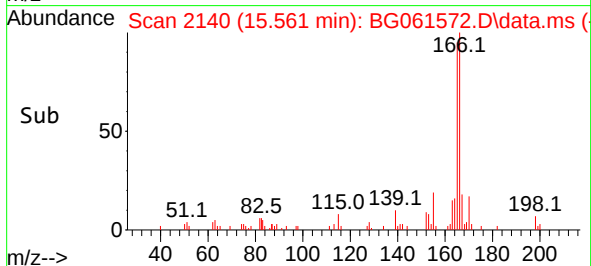
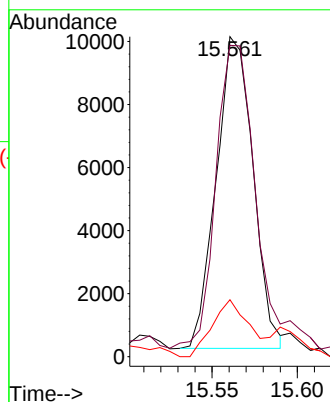
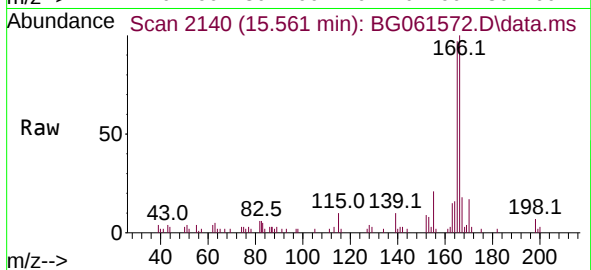
Tgt Ion:166	Resp:	14820
Ion Ratio	Lower	Upper
166	100	
165	97.3	81.8 122.8
167	17.8	10.6 16.0

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Supervised By :mohammad ahmed 06/10/2024



#72

Phenanthrene

Concen: 45.321 ng/ul

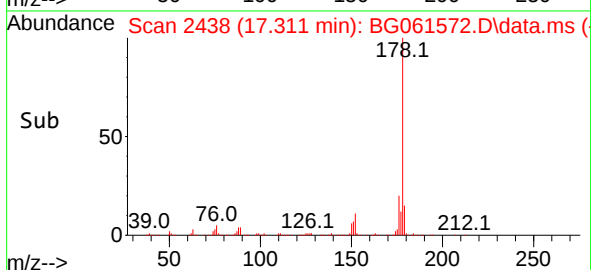
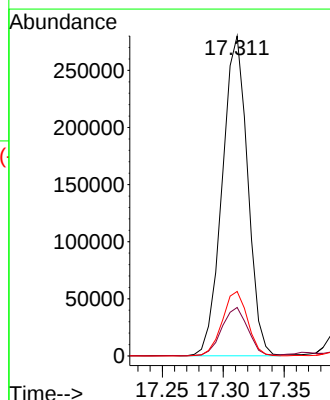
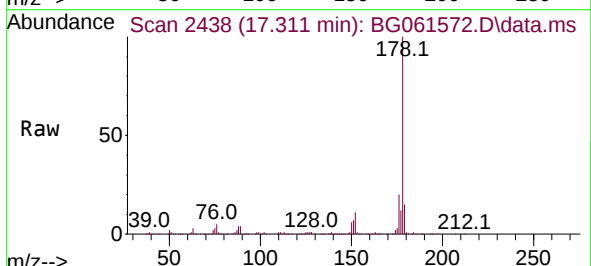
RT: 17.311 min Scan# 2438

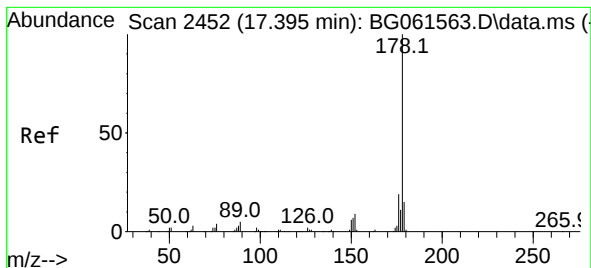
Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Tgt Ion:178	Resp:	406379
Ion Ratio	Lower	Upper
178	100	
179	15.1	12.7 19.1
176	20.2	15.5 23.3





#74

Anthracene

Concen: 5.701 ng/ul

RT: 17.400 min Scan# 2452

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

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ClientSampleId :

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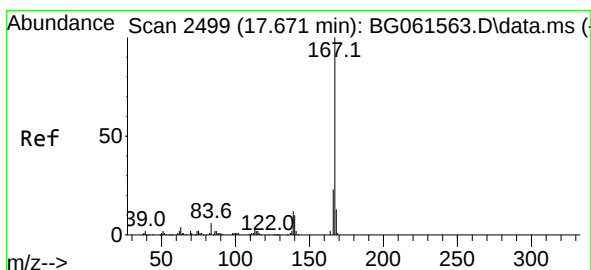
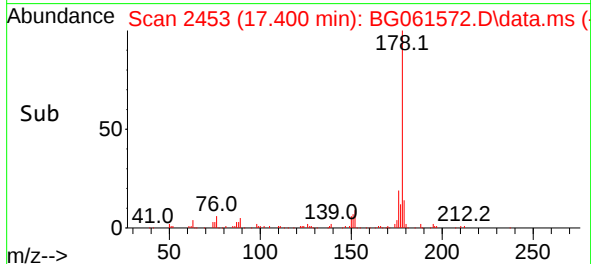
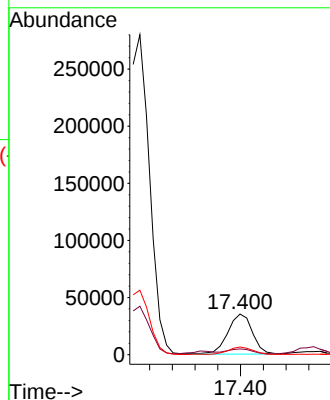
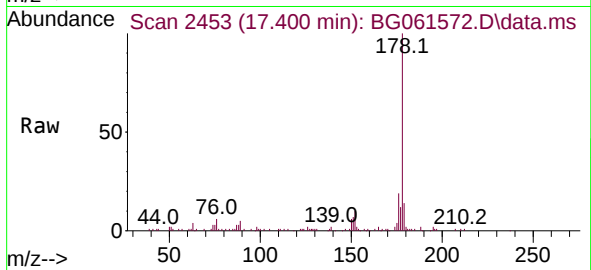
Tgt Ion:	178	Resp:	5285
Ion Ratio	Lower	Upper	
178	100		
179	14.3	11.8	17.6
176	19.0	14.9	22.3

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#77

Carbazole

Concen: 3.391 ng/ul

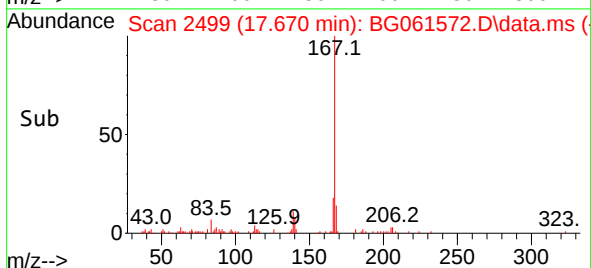
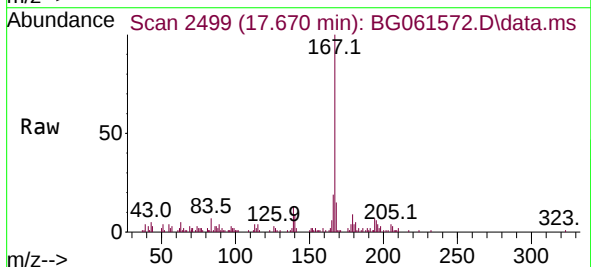
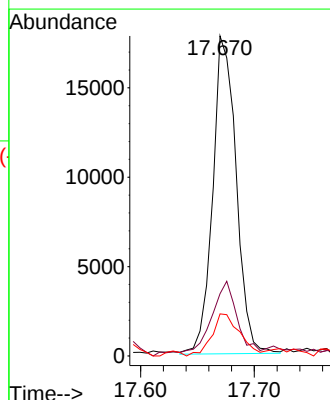
RT: 17.670 min Scan# 2499

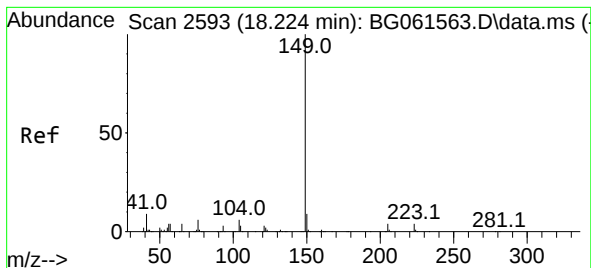
Delta R.T. -0.001 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Tgt Ion:	167	Resp:	25571
Ion Ratio	Lower	Upper	
167	100		
166	19.4	18.6	28.0
139	13.1	10.6	15.8





#78

Di-n-butylphthalate

Concen: 1.312 ng/ul

RT: 18.228 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

Tgt Ion:149 Resp: 1239

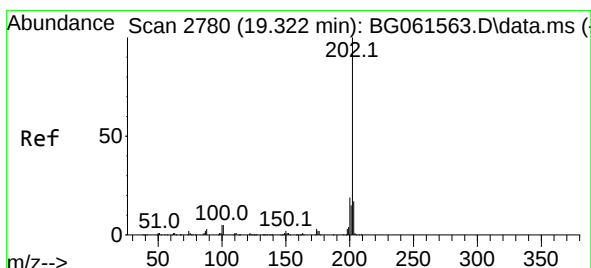
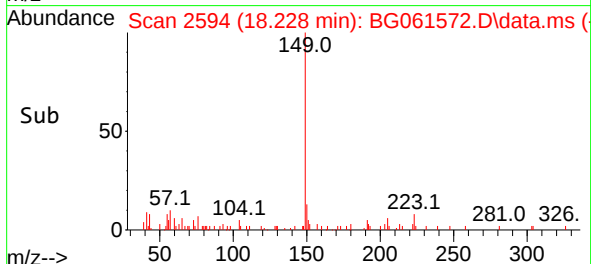
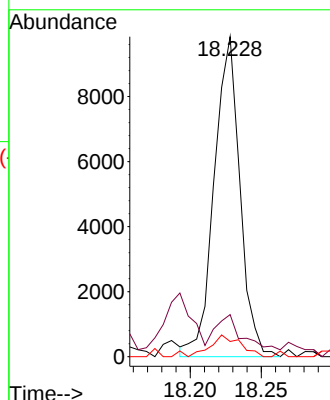
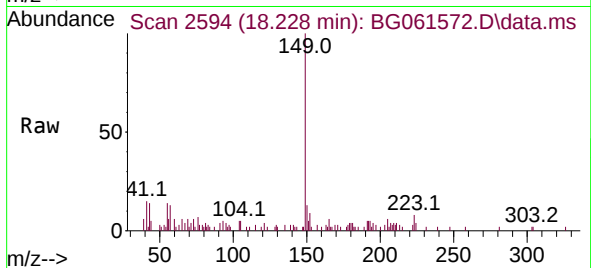
Ion	Ratio	Lower	Upper
149	100		
150	13.1	7.8	11.8
104	4.8	4.8	7.2

Manual Integrations

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Supervised By :mohammad ahmed 06/10/2024



#80

Fluoranthene

Concen: 62.691 ng/ul

RT: 19.333 min Scan# 2782

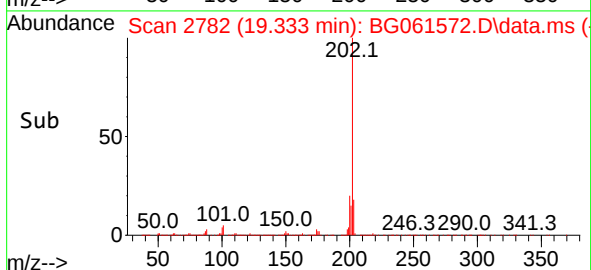
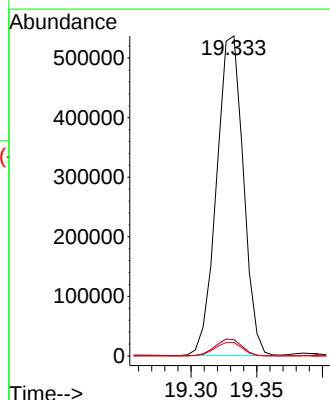
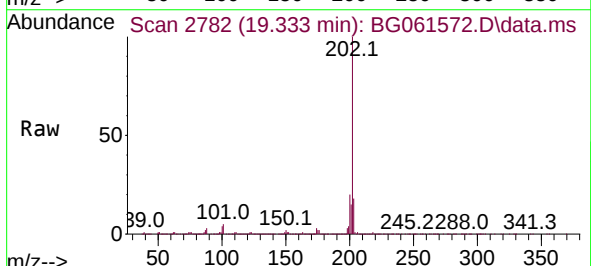
Delta R.T. 0.011 min

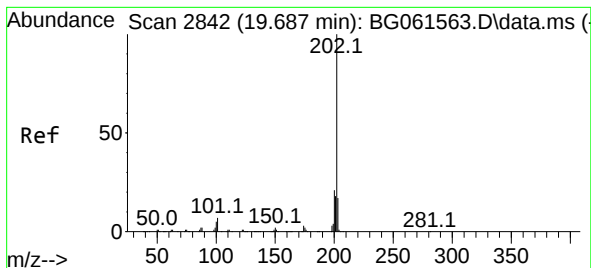
Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Tgt Ion:202 Resp: 759250

Ion	Ratio	Lower	Upper
202	100		
101	5.1	4.8	7.2
100	4.2	4.1	6.1





#82

Pyrene

Concen: 53.591 ng/ul

RT: 19.691 min Scan# 2843

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

Tgt Ion:202 Resp: 67371

Ion Ratio Lower Upper

202 100

101 6.5 5.7 8.5

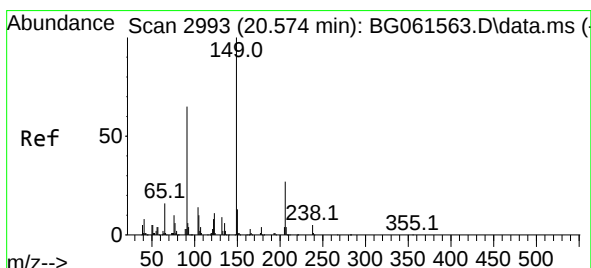
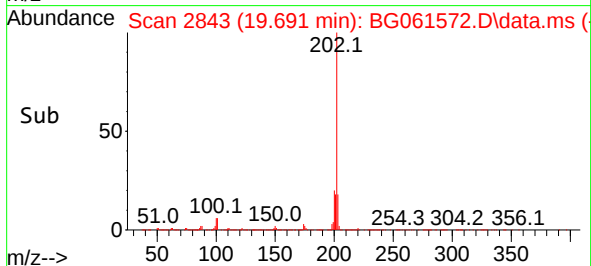
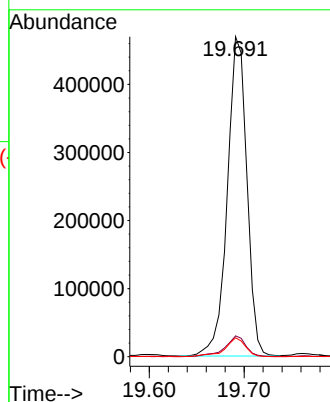
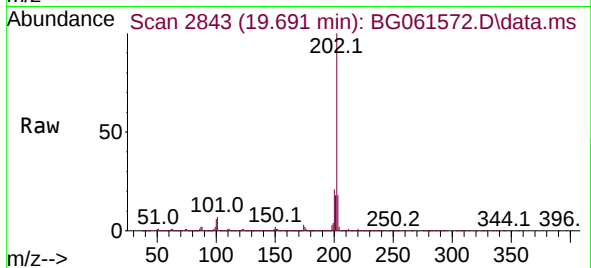
100 5.9 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#83

Butylbenzylphthalate

Concen: 2.131 ng/ul

RT: 20.578 min Scan# 2994

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

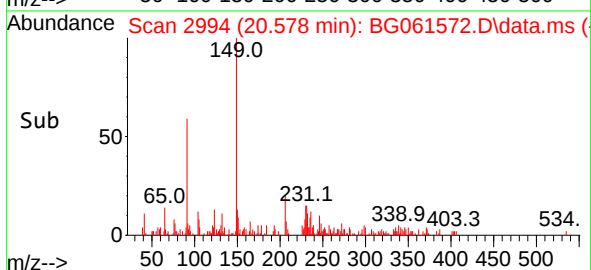
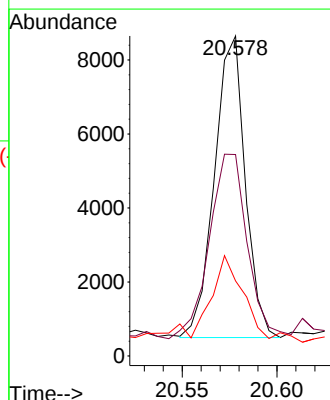
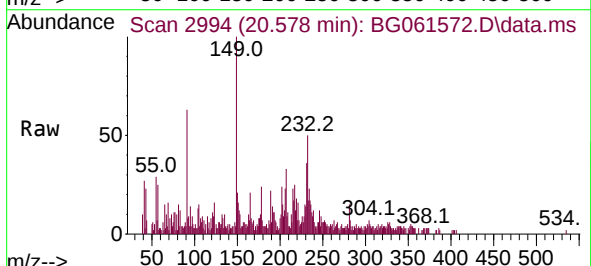
Tgt Ion:149 Resp: 9203

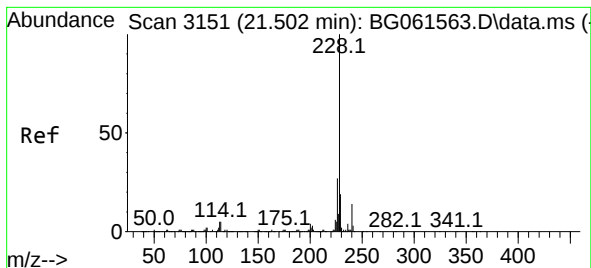
Ion Ratio Lower Upper

149 100

91 62.9 54.8 82.2

206 23.5 19.4 29.0





#85

Benzo(a)anthracene

Concen: 33.338 ng/ul

RT: 21.512 min Scan# 3151

Delta R.T. 0.011 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

Tgt Ion:228 Resp: 452298

Ion Ratio Lower Upper

228 100

229 20.9 15.2 22.8

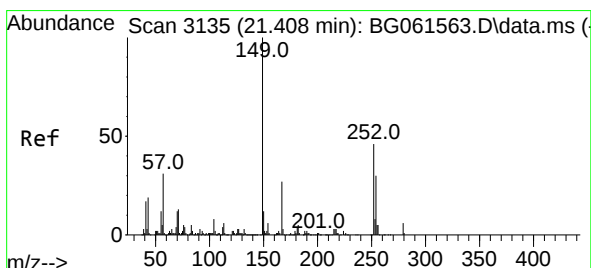
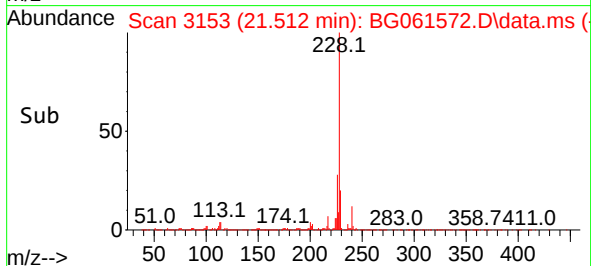
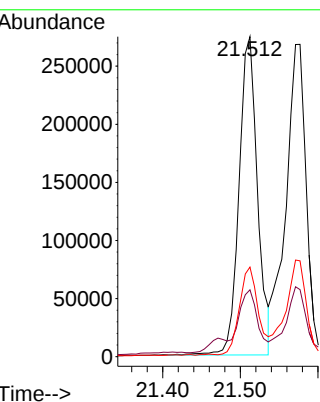
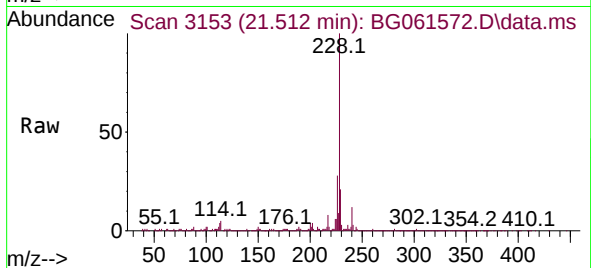
226 28.0 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 23.568 ng/ul

RT: 21.412 min Scan# 3136

Delta R.T. 0.005 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

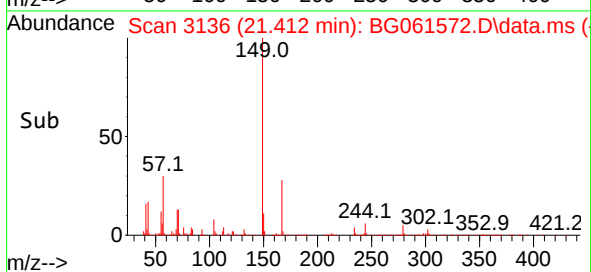
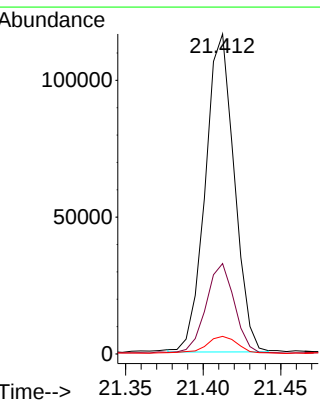
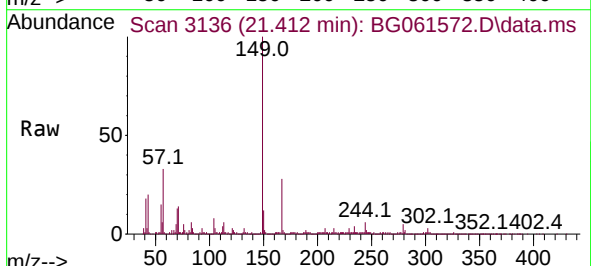
Tgt Ion:149 Resp: 150659

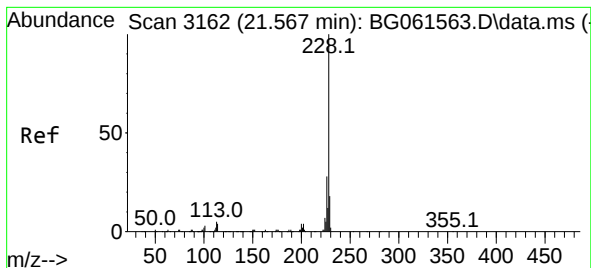
Ion Ratio Lower Upper

149 100

167 28.3 21.1 31.7

279 5.5 3.3 4.9#





#87

Chrysene

Concen: 38.498 ng/u1

RT: 21.577 min Scan# 3164

Delta R.T. 0.011 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

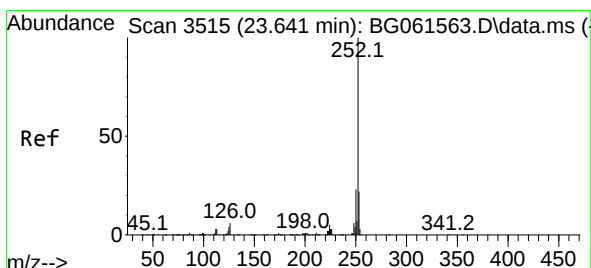
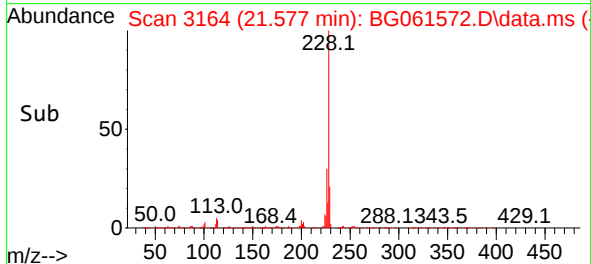
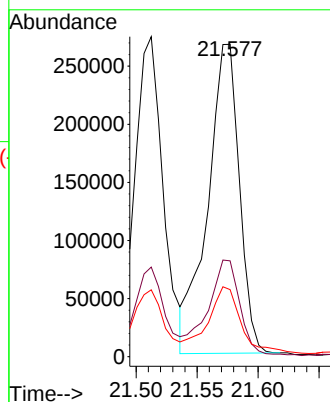
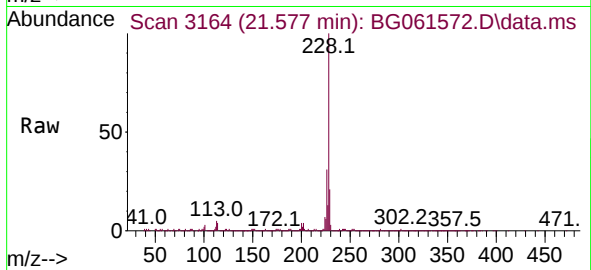
Tgt Ion:228 Resp: 480927
 Ion Ratio Lower Upper
 228 100
 226 30.7 23.4 35.0
 229 21.4 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#90

Benzo(b)fluoranthene

Concen: 45.235 ng/u1

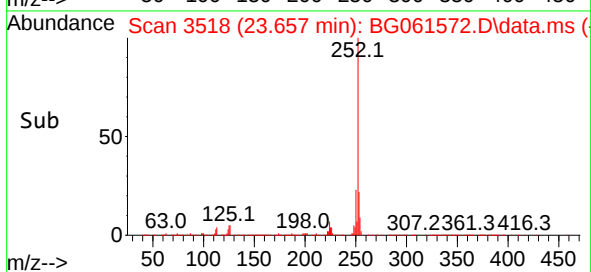
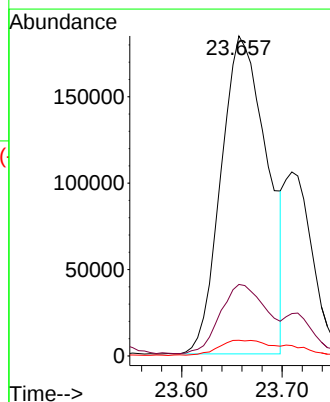
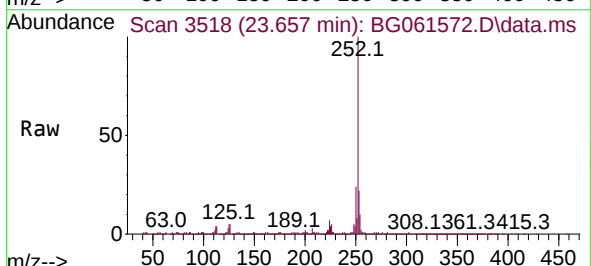
RT: 23.657 min Scan# 3518

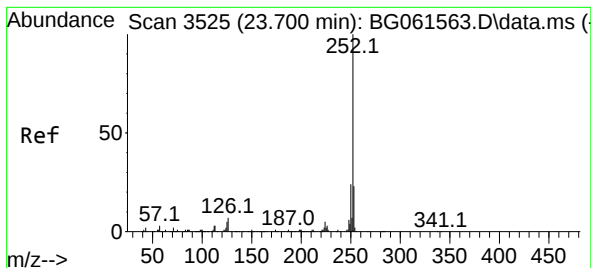
Delta R.T. 0.023 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Tgt Ion:252 Resp: 586391
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.8 26.8
 125 4.9 4.6 6.8





#91

Benzo(k)fluoranthene

Concen: 15.647 ng/ul m

RT: 23.710 min Scan# 3

Delta R.T. 0.011 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

Instrument :

BNA_G

ClientSampleId :

BHBS7

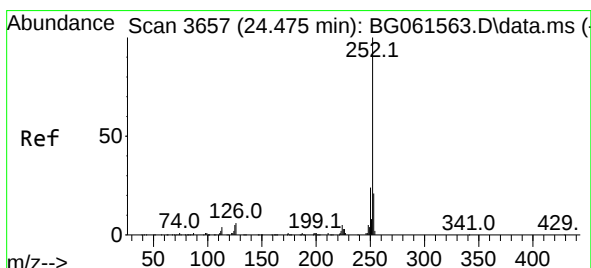
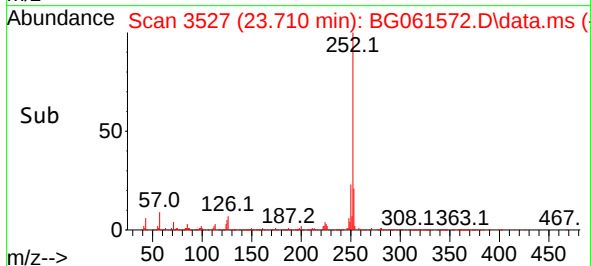
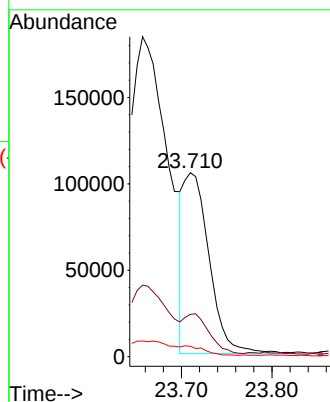
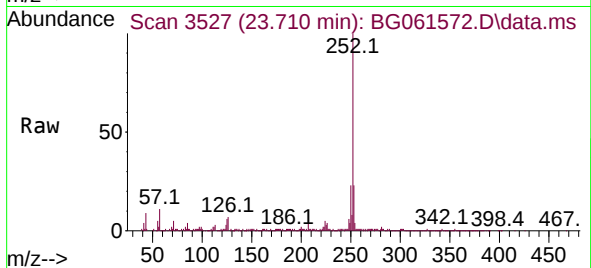
Tgt Ion:252 Resp: 20591
Ion Ratio Lower Upper
252 100
253 23.1 16.0 24.0
125 5.6 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/10/2024

Supervised By :mohammad ahmed 06/10/2024



#93

Benzo(a)pyrene

Concen: 19.799 ng/ul

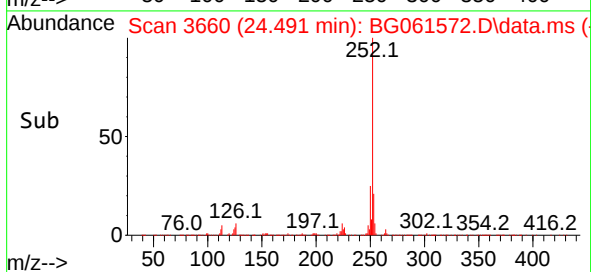
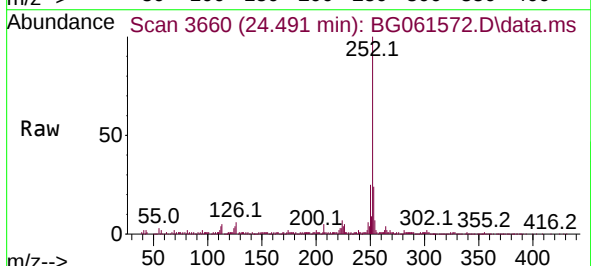
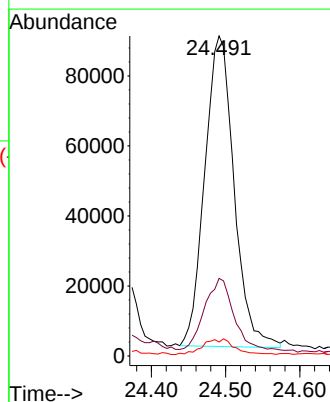
RT: 24.491 min Scan# 3660

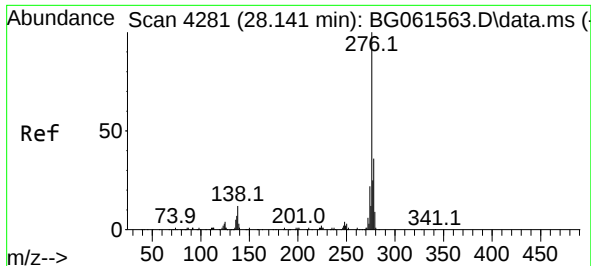
Delta R.T. 0.023 min

Lab File: BG061572.D

Acq: 8 Jun 2024 19:38

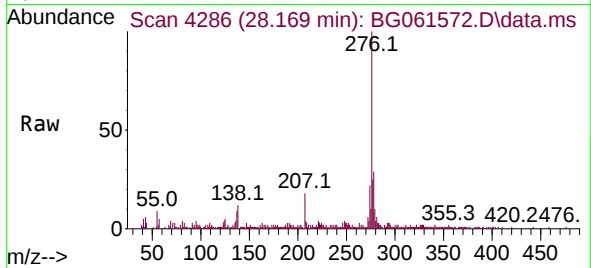
Tgt Ion:252 Resp: 243719
Ion Ratio Lower Upper
252 100
253 24.3 16.4 24.6
125 4.4 4.3 6.5





#94
Indeno(1,2,3-cd)pyrene
Concen: 11.515 ng/ul m
RT: 28.169 min Scan# 4286
Delta R.T. 0.034 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38

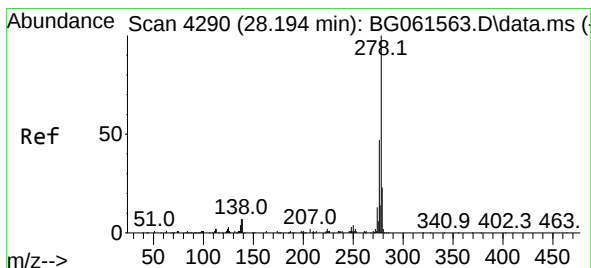
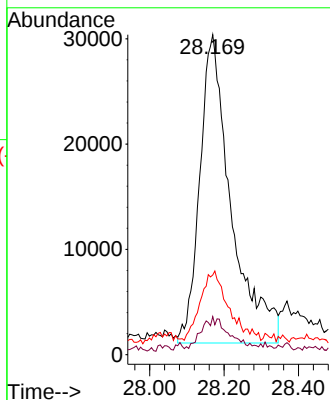
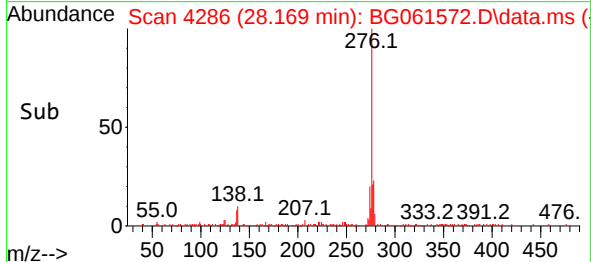
Instrument :
BNA_G
ClientSampleId :
BHBS7



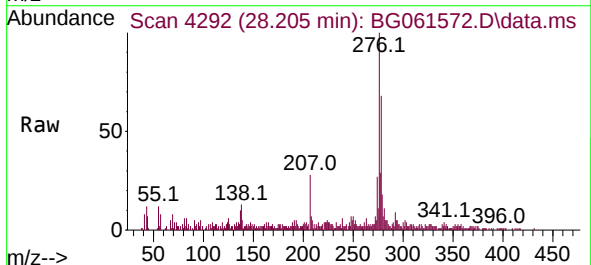
Tgt Ion:276 Resp: 171410
Ion Ratio Lower Upper
276 100
138 11.9 8.6 13.0
277 24.9 19.7 29.5

Manual Integrations
APPROVED

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



#95
Dibenzo(a,h)anthracene
Concen: 4.591 ng/ul m
RT: 28.205 min Scan# 4292
Delta R.T. 0.034 min
Lab File: BG061572.D
Acq: 8 Jun 2024 19:38



Tgt Ion:278 Resp: 56356
Ion Ratio Lower Upper
278 100
139 8.0 6.4 9.6
279 26.5 19.9 29.9

