

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
 Data File : BG061700.D
 Acq On : 25 Jun 2024 13:08
 Operator : MA/JU
 Sample : P2856-17DL 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COSJ2DL

Manual Integrations
 APPROVED

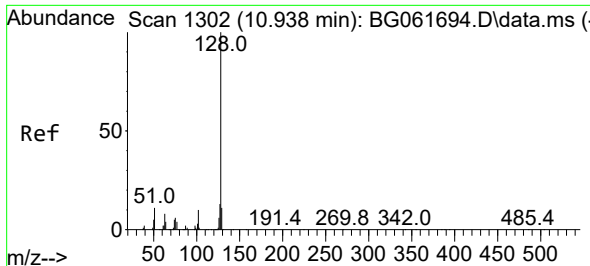
Reviewed By :Yogesh Patel 06/27/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 25 13:44:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 21 05:03:55 2024
 Response via : Initial Calibration

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

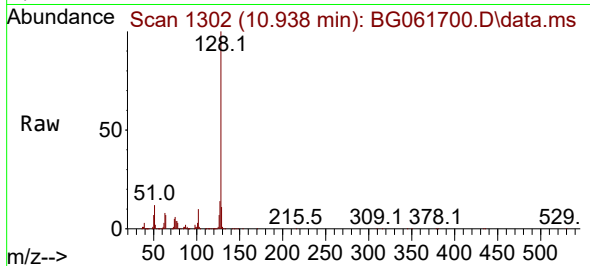
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	56743	20.000	ng/u1	0.00
20) Naphthalene-d8	10.885	136	283316	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.698	164	223598	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.442	188	562327	20.000	ng/u1	0.00
79) Chrysene-d12	21.707	240	477718	20.000	ng/u1	0.00
88) Perylene-d12	24.933	264	561867	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.470	96	965	0.614	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.213	99	29399	4.773	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.395	67	20091	5.232	ng/u1	0.00
11) 2-Chlorophenol-d4	7.595	132	19596	4.636	ng/u1	0.00
15) 4-Methylphenol-d8	8.764	113	12343	2.592	ng/u1	0.00
21) Nitrobenzene-d5	9.240	128	11079	5.759	ng/u1	0.00
24) 2-Nitrophenol-d4	9.956	143	12666	6.501	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.497	165	24053	5.214	ng/u1	0.00
31) 4-Chloroaniline-d4	11.020	131	25503	3.651	ng/u1	0.00
46) Dimethylphthalate-d6	14.105	166	103606	6.021	ng/u1	0.00
49) Acenaphthylene-d8	14.392	160	118733	6.296	ng/u1	0.00
54) 4-Nitrophenol-d4	14.868	143	10534	3.565	ng/u1	0.00
60) Fluorene-d10	15.691	176	104675	6.949	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.797	200	8814	3.666	ng/u1	0.00
73) Anthracene-d10	17.542	188	169200	6.592	ng/u1	0.00
81) Pyrene-d10	19.821	212	161329	6.046	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.710	264	125015	4.659	ng/u1	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.938	128	1164724	73.473	ng/u1	98
36) 2-Methylnaphthalene	12.536	142	670328	59.927	ng/u1	99
37) 1-Methylnaphthalene	12.753	142	396399	33.213	ng/u1	93
43) 1,1'-Biphenyl	13.541	154	110370	6.814	ng/u1	98
50) Acenaphthylene	14.422	152	493571	23.448	ng/u1	99
52) Acenaphthene	14.763	153	40984	2.811	ng/u1	93
56) Dibenzofuran	15.092	168	40781	1.999	ng/u1	90
61) Fluorene	15.744	166	338035	20.023	ng/u1	96
72) Phenanthrene	17.489	178	1792003	60.574	ng/u1	98
74) Anthracene	17.577	178	472260	15.611	ng/u1	98
80) Fluoranthene	19.486	202	738615	23.856	ng/u1	96
82) Pyrene	19.851	202	940112	28.556	ng/u1	98
85) Benzo(a)anthracene	21.684	228	396726m	11.831	ng/u1	
87) Chrysene	21.754	228	325590	10.261	ng/u1	98
90) Benzo(b)fluoranthene	23.917	252	248787	7.366	ng/u1	94
91) Benzo(k)fluoranthene	23.969	252	80608m	2.321	ng/u1	
93) Benzo(a)pyrene	24.780	252	190611	5.862	ng/u1#	97
94) Indeno(1,2,3-cd)pyrene	28.605	276	86140m	2.126	ng/u1	

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



#30
Naphthalene
Concen: 73.473 ng/ul
RT: 10.938 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08

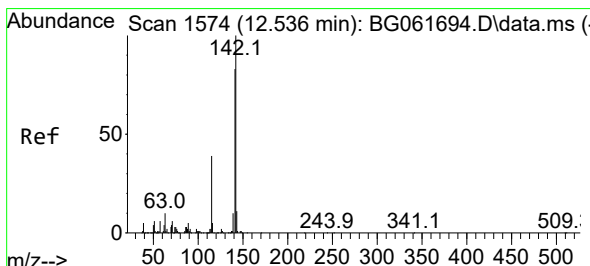
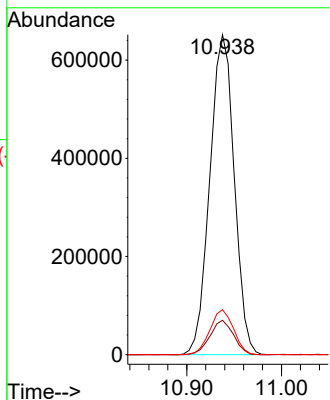
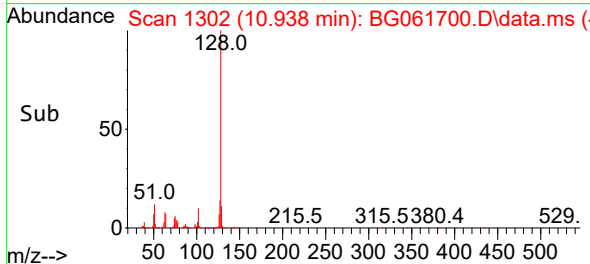
Instrument :
BNA_G
ClientSampleId :
C0SJ2DL



Tgt Ion:128 Resp: 1164724
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 14.0 10.5 15.7

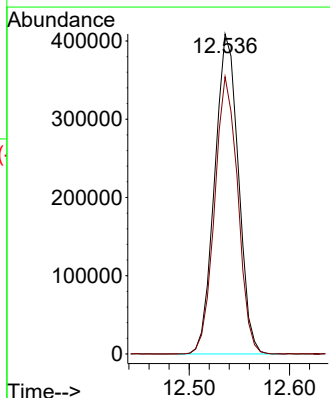
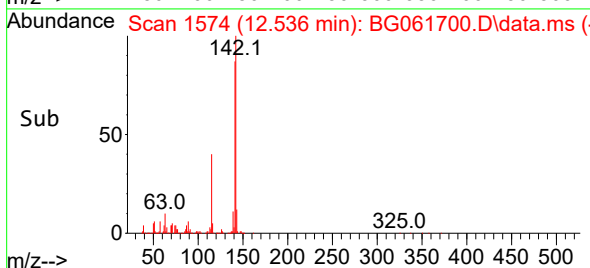
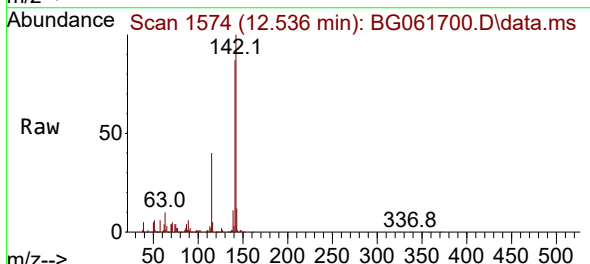
Manual Integrations
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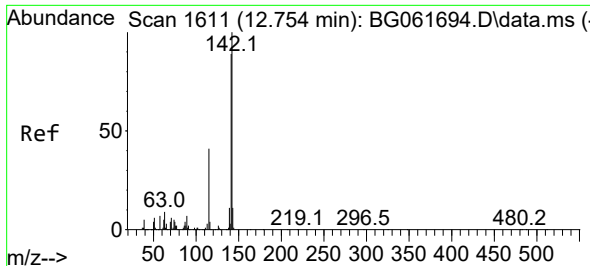
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#36
2-Methylnaphthalene
Concen: 59.927 ng/ul
RT: 12.536 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08

Tgt Ion:142 Resp: 670328
Ion Ratio Lower Upper
142 100
141 86.7 68.5 102.7





#37

1-Methylnaphthalene

Concen: 33.213 ng/ul

RT: 12.753 min Scan# 1611

Delta R.T. -0.000 min

Lab File: BG061700.D

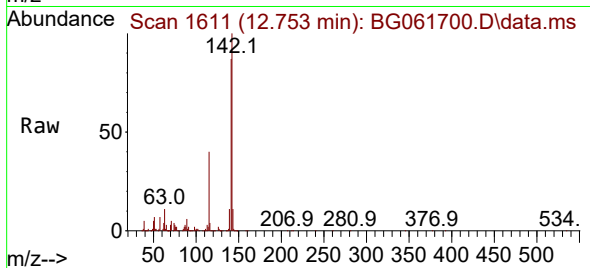
Acq: 25 Jun 2024 13:08

Instrument :

BNA_G

ClientSampleId :

C0SJ2DL



Tgt Ion:142 Resp: 396399

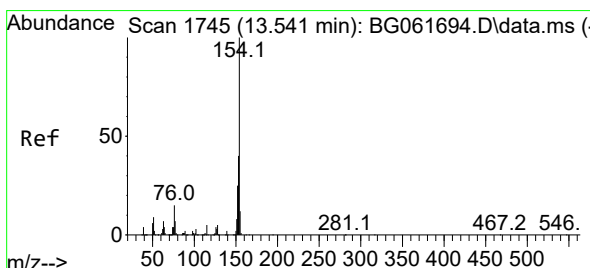
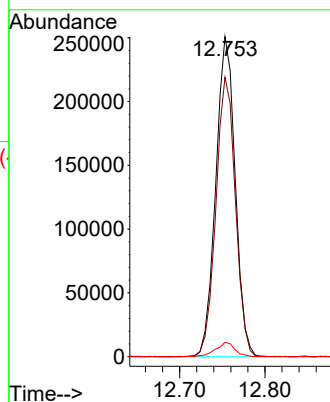
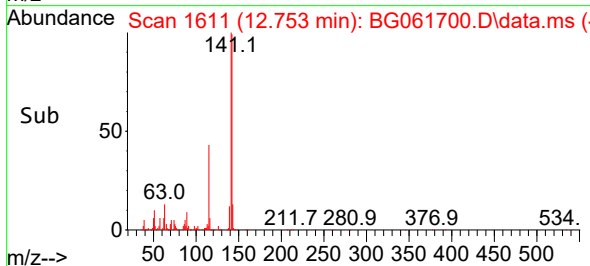
Ion	Ratio	Lower	Upper
142	100		
141	87.3	64.6	97.0
116	4.5	3.0	4.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#43

1,1'-Biphenyl

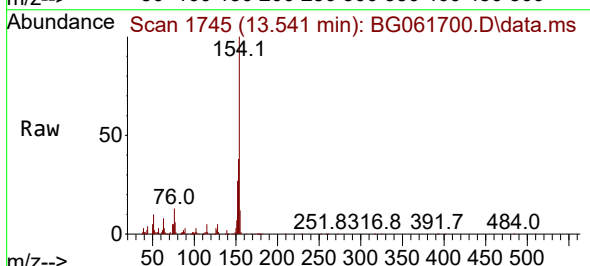
Concen: 6.814 ng/ul

RT: 13.541 min Scan# 1745

Delta R.T. -0.000 min

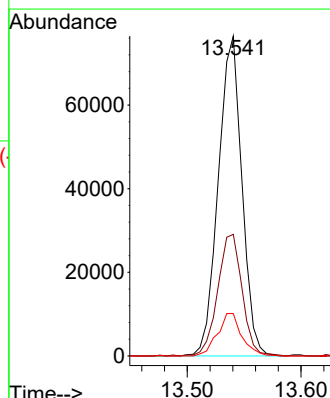
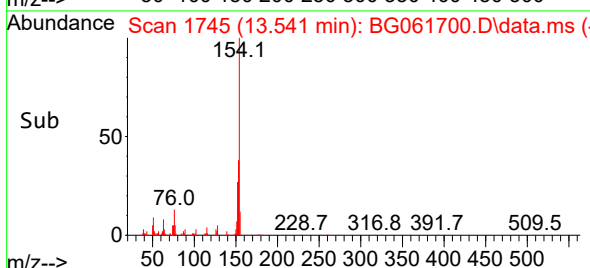
Lab File: BG061700.D

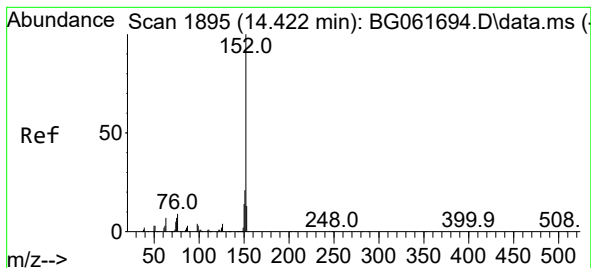
Acq: 25 Jun 2024 13:08



Tgt Ion:154 Resp: 110370

Ion	Ratio	Lower	Upper
154	100		
153	38.0	31.4	47.0
76	13.2	11.0	16.4





#50

Acenaphthylene

Concen: 23.448 ng/ul

RT: 14.422 min Scan# 1895

Delta R.T. -0.006 min

Lab File: BG061700.D

Acq: 25 Jun 2024 13:08

Instrument :

BNA_G

ClientSampleId :

C0SJ2DL

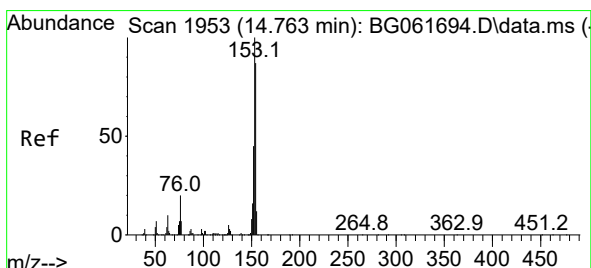
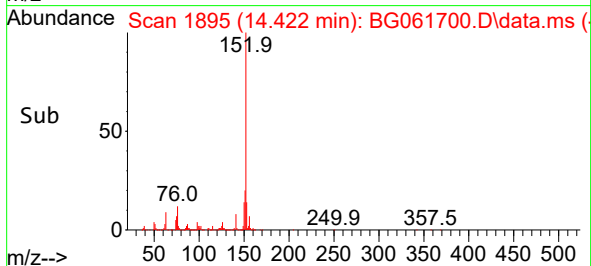
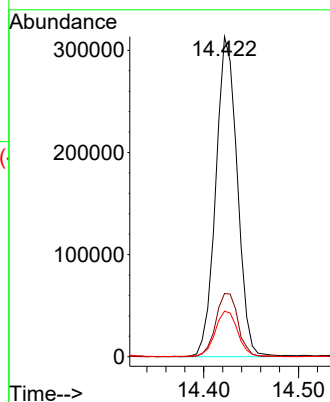
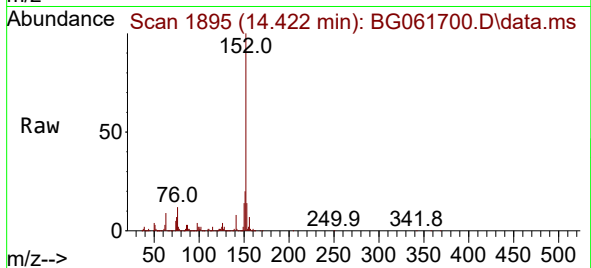
Tgt Ion:	152	Resp:	49357
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.3	22.9
153	14.2	11.0	16.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#52

Acenaphthene

Concen: 2.811 ng/ul

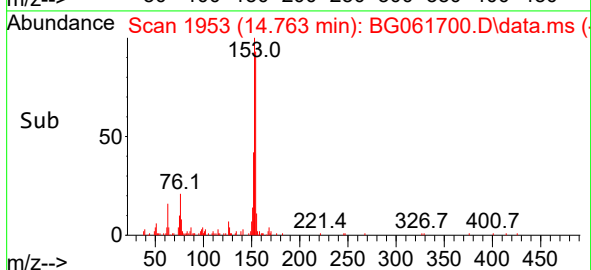
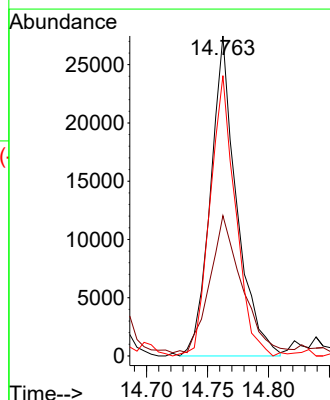
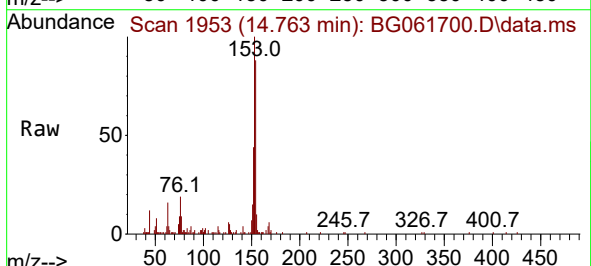
RT: 14.763 min Scan# 1953

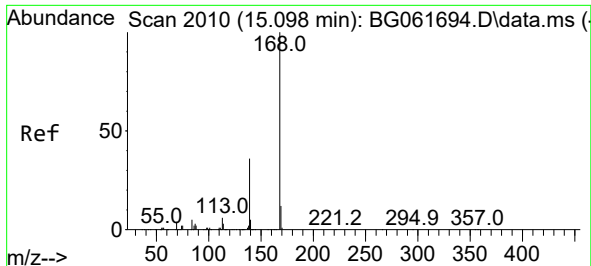
Delta R.T. -0.006 min

Lab File: BG061700.D

Acq: 25 Jun 2024 13:08

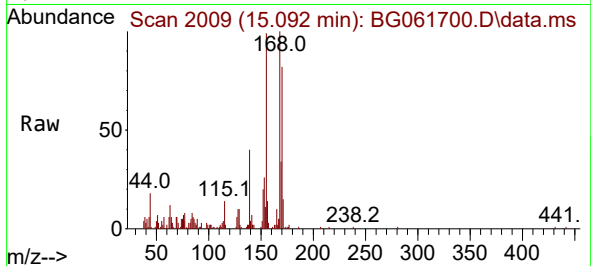
Tgt Ion:	153	Resp:	40984
Ion Ratio	Lower	Upper	
153	100		
152	43.8	40.0	60.0
154	87.6	74.1	111.1





#56
Dibenzenofuran
Concen: 1.999 ng/ul
RT: 15.092 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08

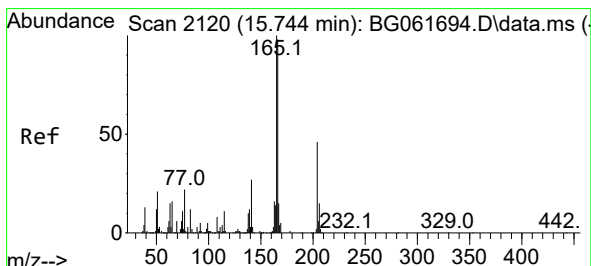
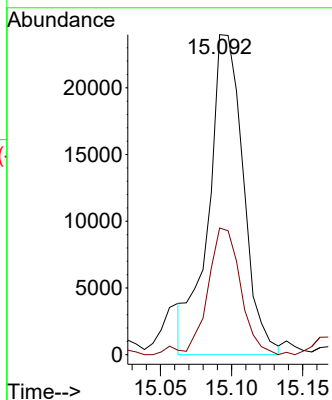
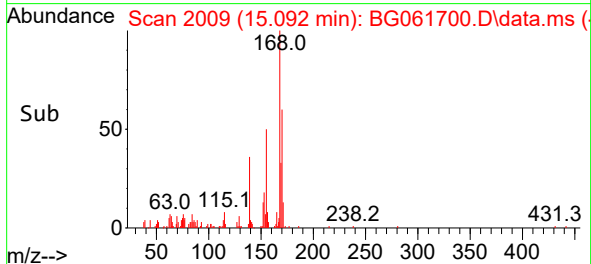
Instrument :
BNA_G
ClientSampleId :
C0SJ2DL



Tgt Ion:168 Resp: 40783
Ion Ratio Lower Upper
168 100
139 39.6 27.0 40.4

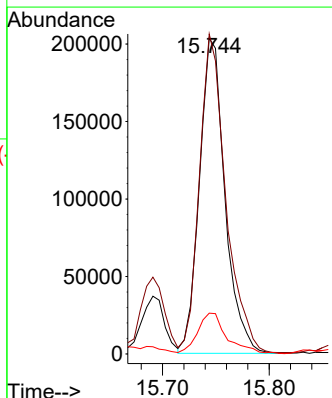
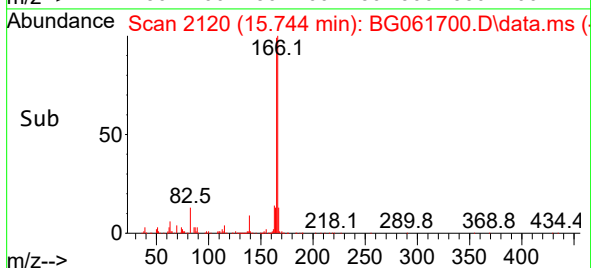
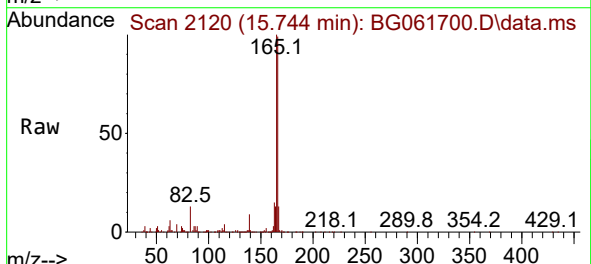
Manual Integrations
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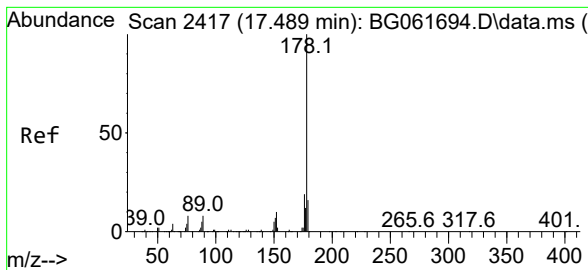
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#61
Fluorene
Concen: 20.023 ng/ul
RT: 15.744 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08

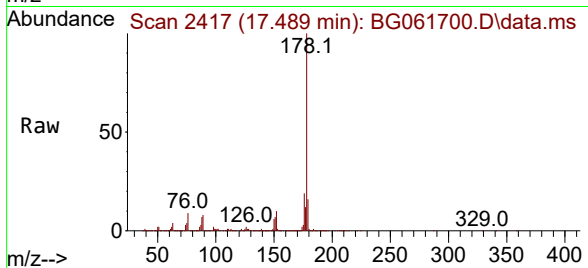
Tgt Ion:166 Resp: 338035
Ion Ratio Lower Upper
166 100
165 101.4 84.9 127.3
167 12.9 10.9 16.3





#72
Phenanthrene
Concen: 60.574 ng/ul
RT: 17.489 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08

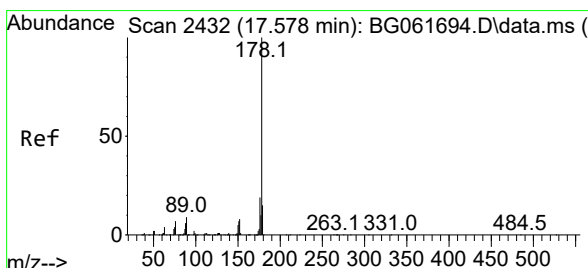
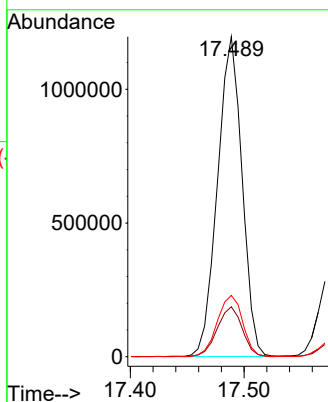
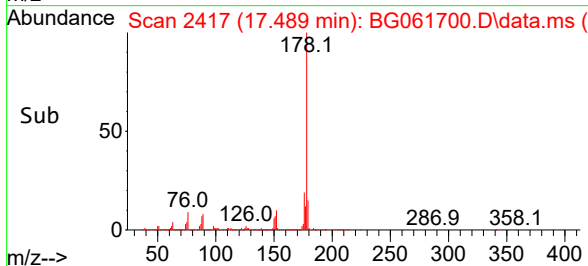
Instrument :
BNA_G
ClientSampleId :
C0SJ2DL



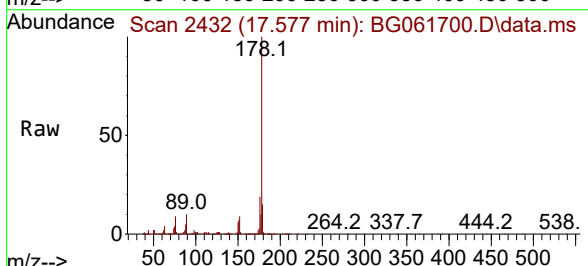
Tgt Ion:178 Resp: 1792000
Ion Ratio Lower Upper
178 100
179 15.6 12.0 18.0
176 19.1 16.2 24.2

Manual Integrations
APPROVED

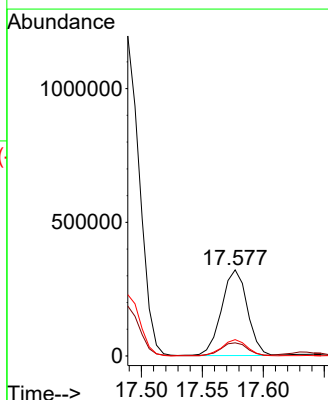
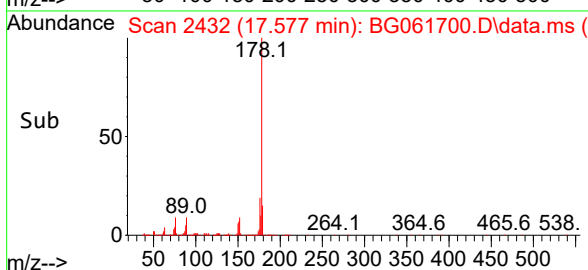
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

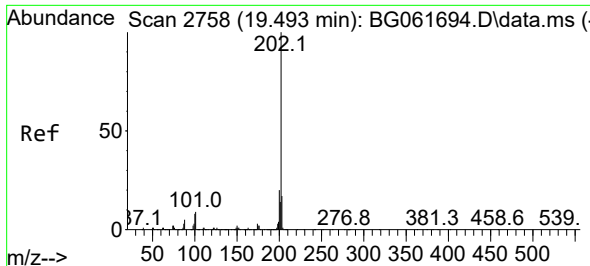


#74
Anthracene
Concen: 15.611 ng/ul
RT: 17.577 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08



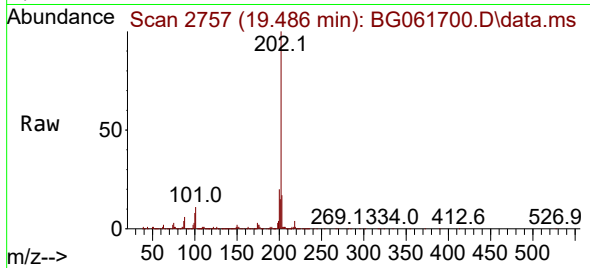
Tgt Ion:178 Resp: 472260
Ion Ratio Lower Upper
178 100
179 15.3 11.4 17.2
176 19.0 14.7 22.1





#80
Fluoranthene
Concen: 23.856 ng/u1
RT: 19.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08

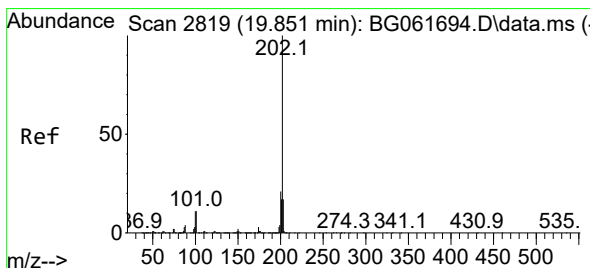
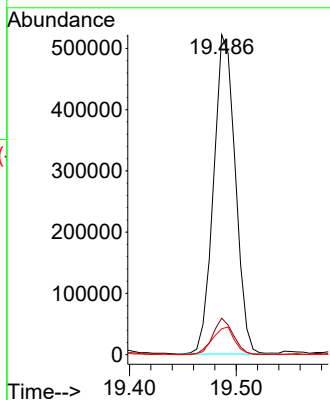
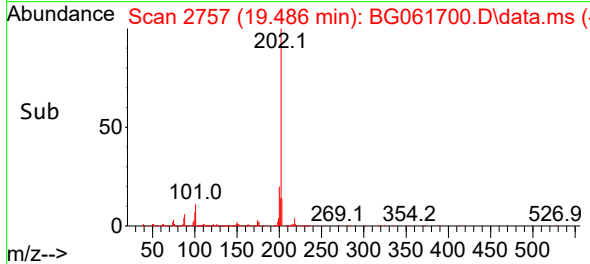
Instrument :
BNA_G
ClientSampleId :
C0SJ2DL



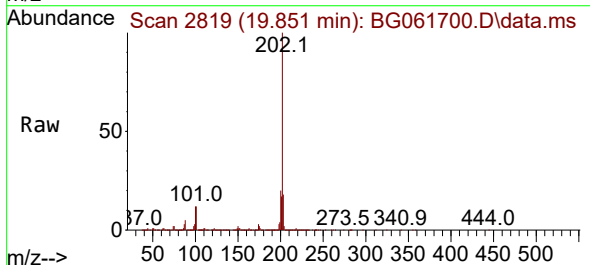
Tgt Ion:202 Resp: 738615
Ion Ratio Lower Upper
202 100
101 11.4 7.8 11.6
100 8.1 7.7 11.5

Manual Integrations
APPROVED

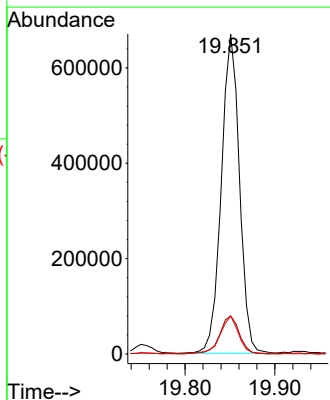
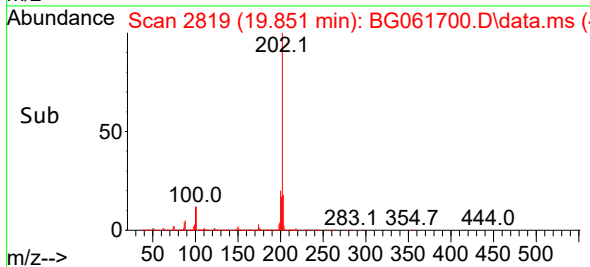
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024

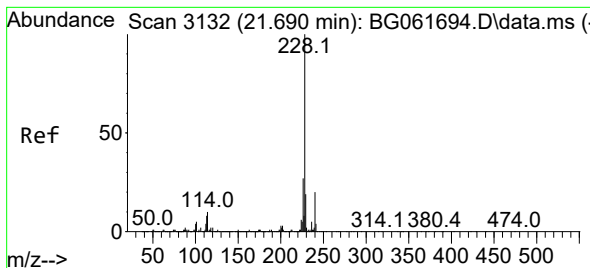


#82
Pyrene
Concen: 28.556 ng/u1
RT: 19.851 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08



Tgt Ion:202 Resp: 940112
Ion Ratio Lower Upper
202 100
101 11.9 10.1 15.1
100 11.8 9.9 14.9





#85

Benzo(a)anthracene

Concen: 11.831 ng/ul m

RT: 21.684 min Scan# 3132

Delta R.T. -0.006 min

Lab File: BG061700.D

Acq: 25 Jun 2024 13:08

Instrument :

BNA_G

ClientSampleId :

C0SJ2DL

Tgt Ion:228 Resp: 396720

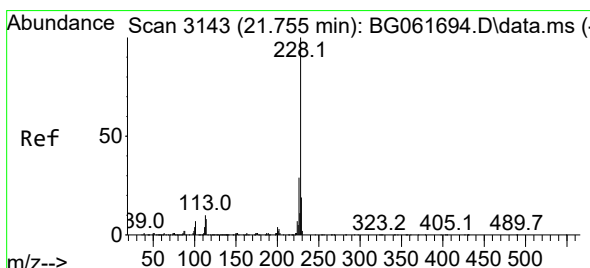
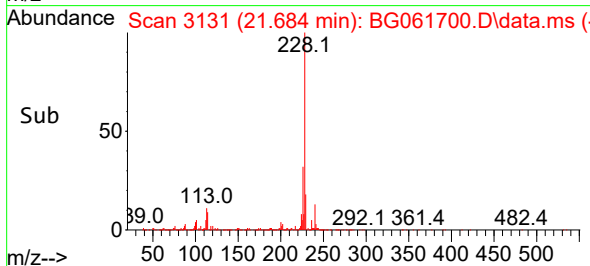
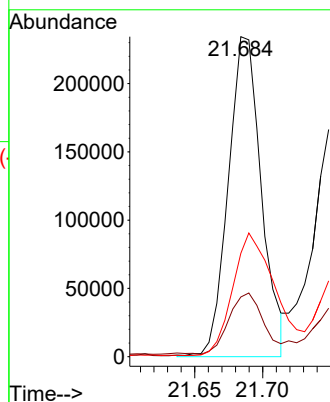
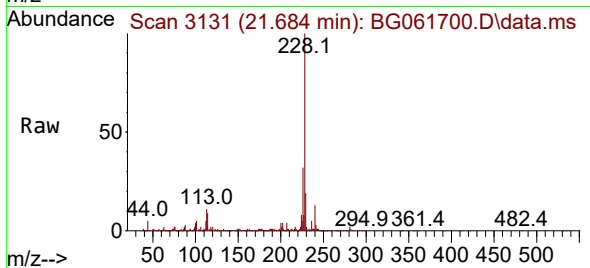
Ion	Ratio	Lower	Upper
228	100		
229	18.6	15.8	23.8
226	32.3	21.4	32.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#87

Chrysene

Concen: 10.261 ng/ul

RT: 21.754 min Scan# 3143

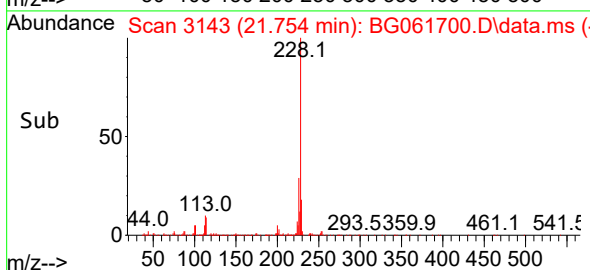
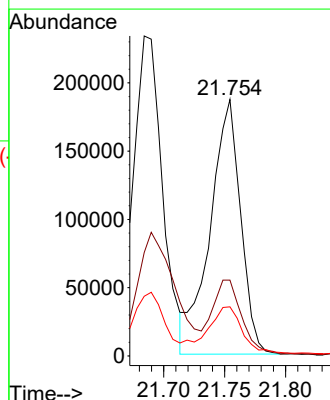
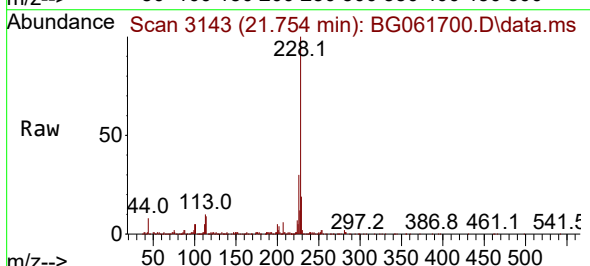
Delta R.T. -0.006 min

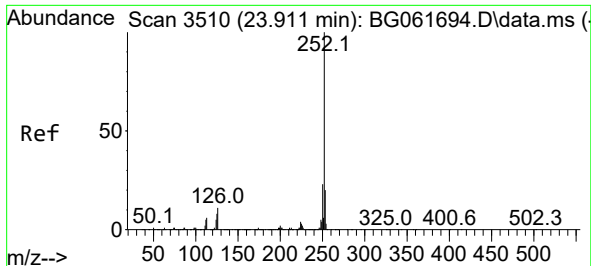
Lab File: BG061700.D

Acq: 25 Jun 2024 13:08

Tgt Ion:228 Resp: 325590

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.2
229	19.1	16.5	24.7





#90
Benzo(b)fluoranthene
Concen: 7.366 ng/ul
RT: 23.917 min Scan# 3511
Delta R.T. -0.000 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08

Instrument :

BNA_G

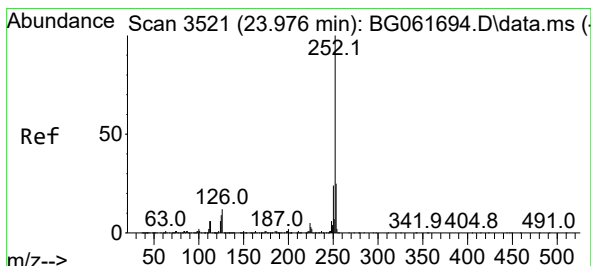
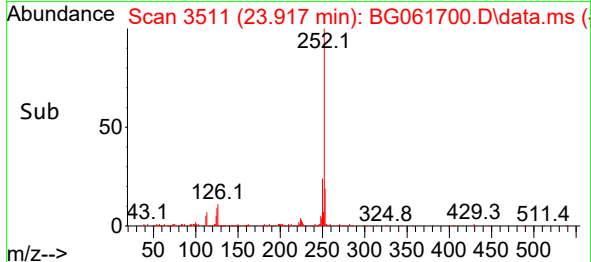
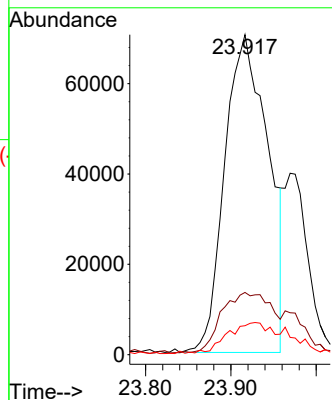
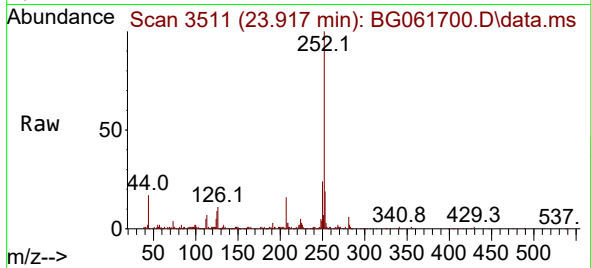
ClientSampleId :

C0SJ2DL

Tgt Ion:252 Resp: 24878
Ion Ratio Lower Upper
252 100
253 19.4 18.6 27.8
125 9.1 7.0 10.6

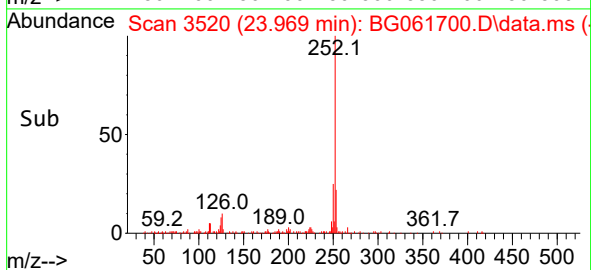
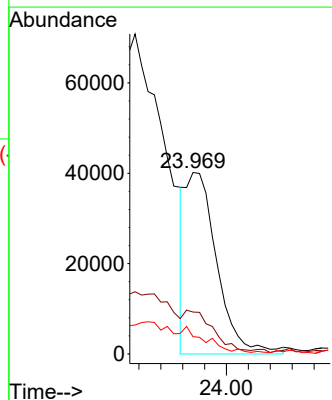
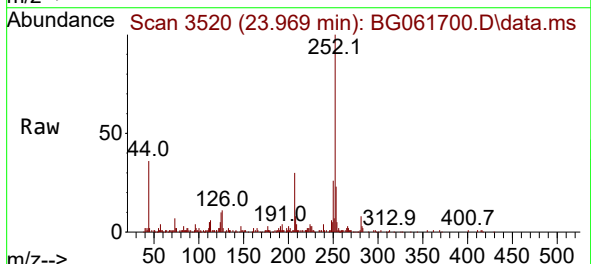
Manual Integrations
APPROVED

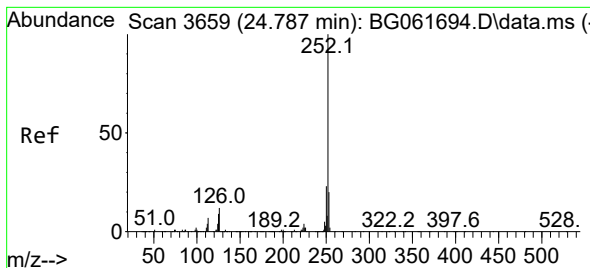
Reviewed By :Yogesh Patel 06/27/2024
Supervised By :mohammad ahmed 06/27/2024



#91
Benzo(k)fluoranthene
Concen: 2.321 ng/ul m
RT: 23.969 min Scan# 3520
Delta R.T. -0.012 min
Lab File: BG061700.D
Acq: 25 Jun 2024 13:08

Tgt Ion:252 Resp: 80608
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 9.6 6.2 9.2#





#93

Benzo(a)pyrene

Concen: 5.862 ng/ul

RT: 24.780 min Scan# 30

Delta R.T. -0.012 min

Lab File: BG061700.D

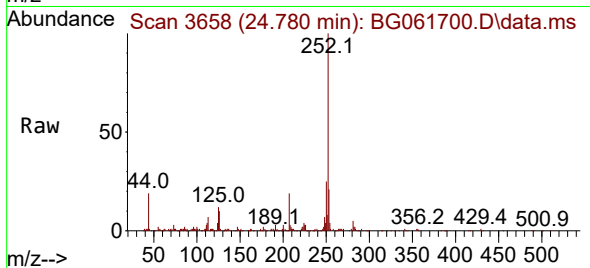
Acq: 25 Jun 2024 13:08

Instrument :

BNA_G

ClientSampleId :

C0SJ2DL



Tgt Ion:252 Resp: 19061

Ion Ratio Lower Upper

252 100

253 20.7 16.8 25.2

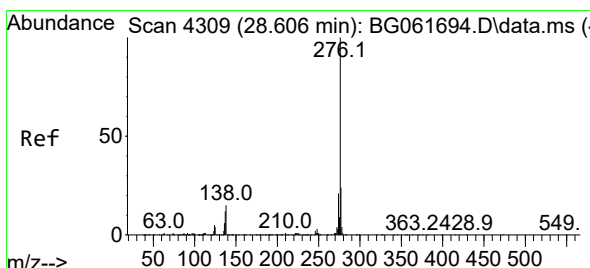
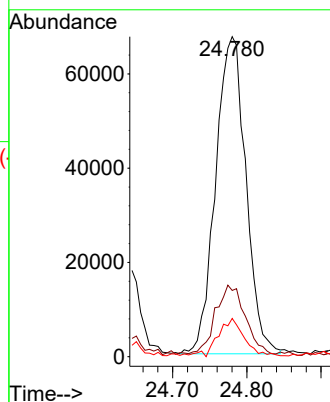
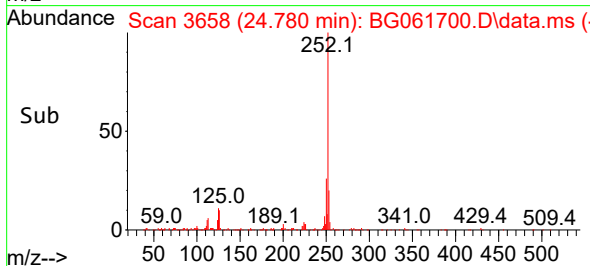
125 11.9 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2024

Supervised By :mohammad ahmed 06/27/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 2.126 ng/ul m

RT: 28.605 min Scan# 4309

Delta R.T. -0.012 min

Lab File: BG061700.D

Acq: 25 Jun 2024 13:08

Tgt Ion:276 Resp: 86140

Ion Ratio Lower Upper

276 100

138 15.0 12.2 18.4

277 22.9 19.7 29.5

