

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
 Data File : BG057861.D
 Acq On : 24 Jun 2023 4:22
 Operator : CG/JU
 Sample : 03337-16
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-15

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 25 01:42:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 03:40:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.921	152	51719	20.000	ng	0.00
21) Naphthalene-d8	10.723	136	220104	20.000	ng	0.00
39) Acenaphthene-d10	14.554	164	137385	20.000	ng	0.00
64) Phenanthrene-d10	17.298	188	299015	20.000	ng	0.00
76) Chrysene-d12	21.552	240	251524	20.000	ng	0.00
86) Perylene-d12	24.713	264	312103	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.494	112	302200	90.095	ng	0.00
7) Phenol-d6	7.087	99	430063	84.029	ng	0.00
23) Nitrobenzene-d5	9.084	82	248226	57.881	ng	0.00
42) 2,4,6-Tribromophenol	16.041	330	170731	89.212	ng	0.00
45) 2-Fluorobiphenyl	13.179	172	545866	60.264	ng	0.00
79) Terphenyl-d14	19.919	244	800983	59.381	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.339	178	132279	9.137	ng	99
75) Fluoranthene	19.355	202	247371	14.343	ng	98
78) Pyrene	19.713	202	182850	10.191	ng	99
81) Benzo(a)anthracene	21.534	228	88695	5.140	ng	99
83) Chrysene	21.599	228	103046m	6.222	ng	
87) Indeno(1,2,3-cd)pyrene	28.303	276	43907	2.152	ng	# 80
88) Benzo(b)fluoranthene	23.714	252	126535	7.398	ng	# 96
89) Benzo(k)fluoranthene	23.767	252	46855m	2.690	ng	
90) Benzo(a)pyrene	24.554	252	76530	4.556	ng	# 96
92) Benzo(g,h,i)perylene	29.413	276	40982	2.417	ng	# 91

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

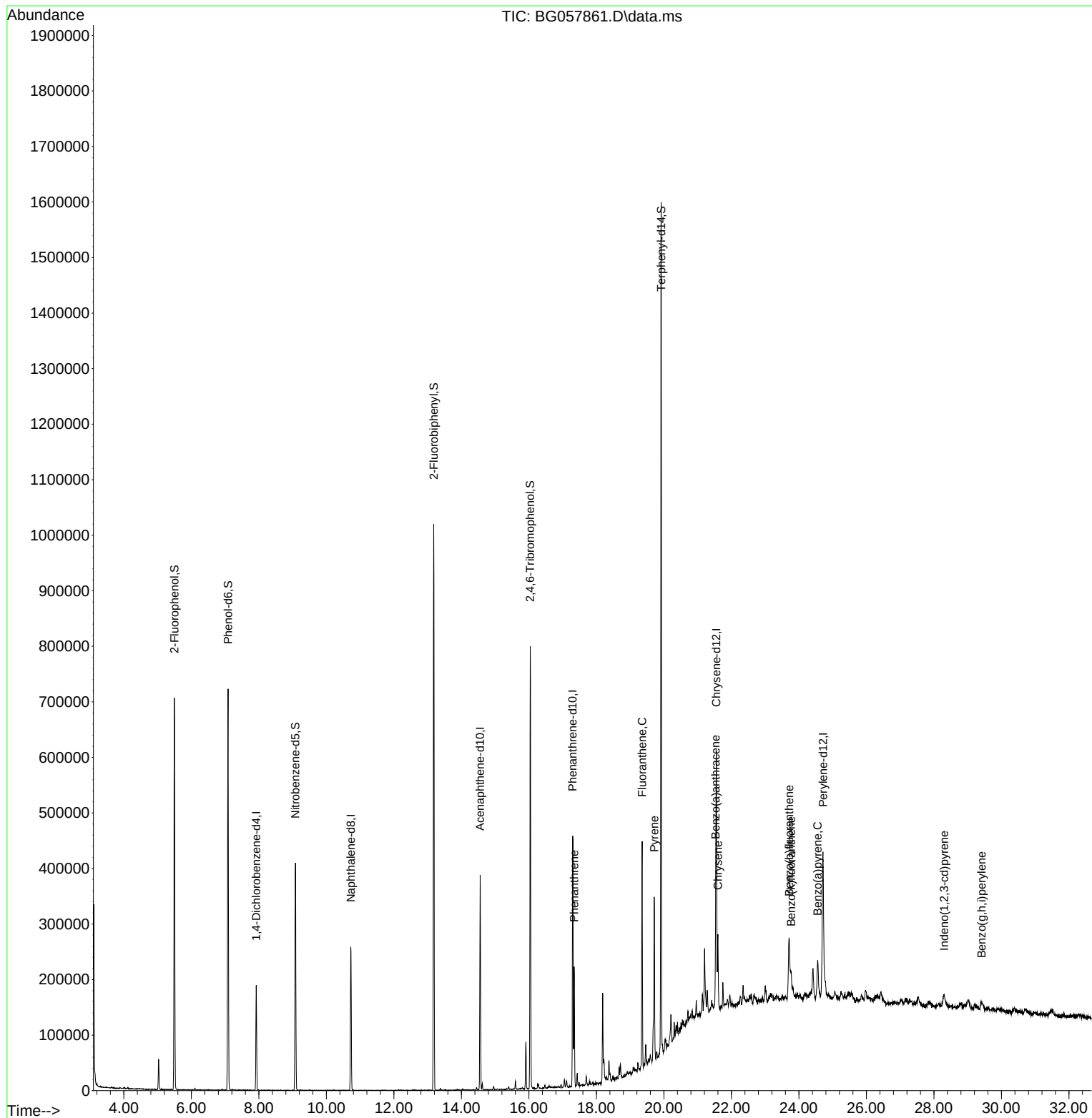
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062323\
Data File : BG057861.D
Acq On : 24 Jun 2023 4:22
Operator : CG/JU
Sample : 03337-16
Misc :
ALS Vial : 16 Sample Multiplier: 1

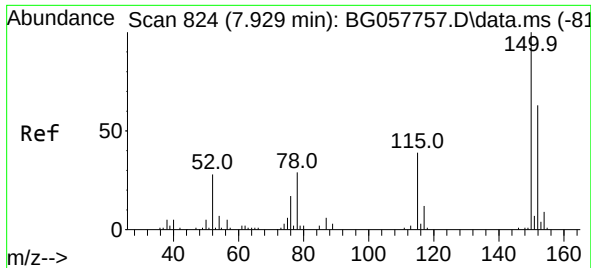
Instrument :
BNA_G
ClientSampleId :
WC-15

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

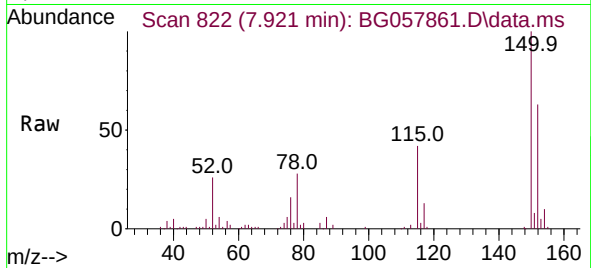
Quant Time: Jun 25 01:42:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 03:40:38 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.921 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

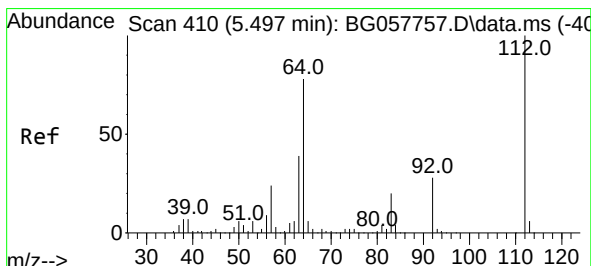
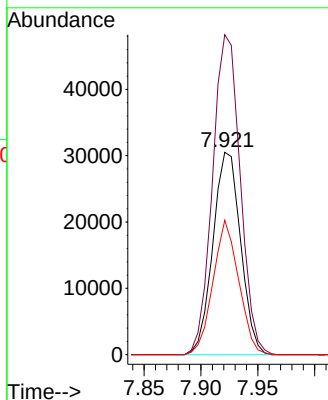
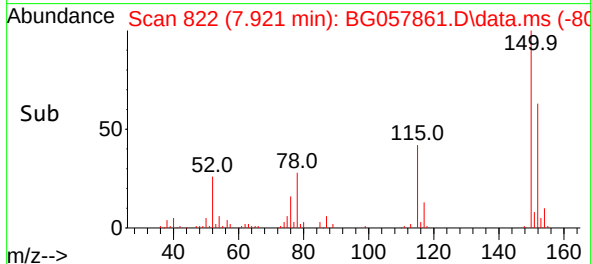
Instrument :
BNA_G
ClientSampleId :
WC-15



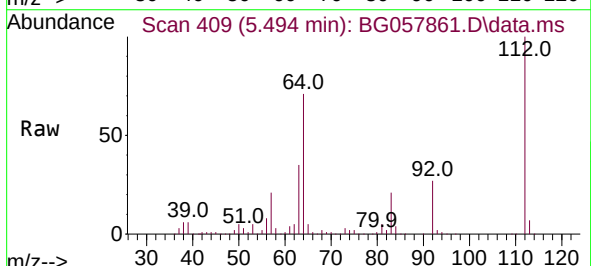
Tgt Ion:152 Resp: 51719
Ion Ratio Lower Upper
152 100
150 158.1 126.6 189.8
115 66.4 48.9 73.3

Manual Integrations
APPROVED

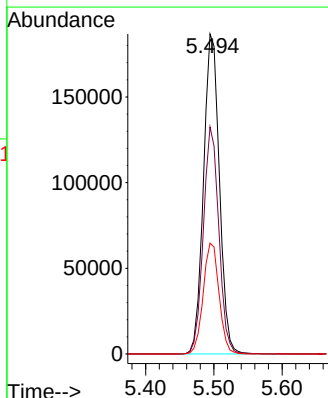
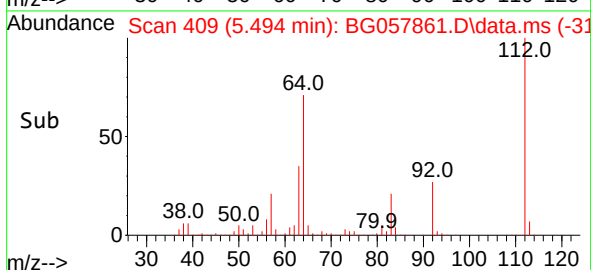
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

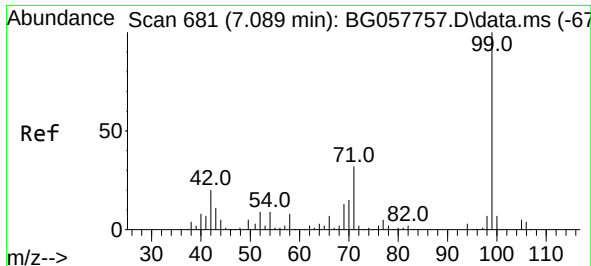


#5
2-Fluorophenol
Concen: 90.095 ng
RT: 5.494 min Scan# 409
Delta R.T. -0.003 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22



Tgt Ion:112 Resp: 302200
Ion Ratio Lower Upper
112 100
64 70.9 62.1 93.1
63 34.7 31.5 47.3





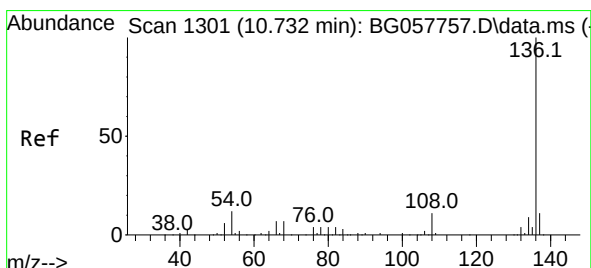
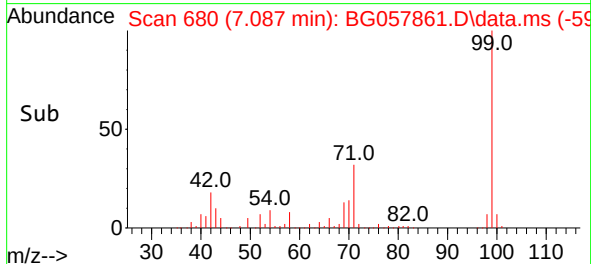
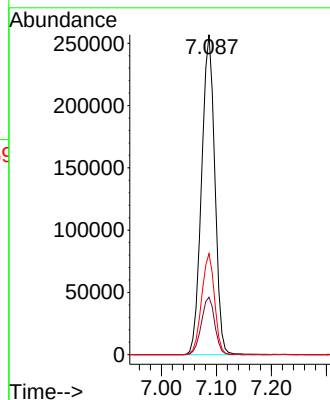
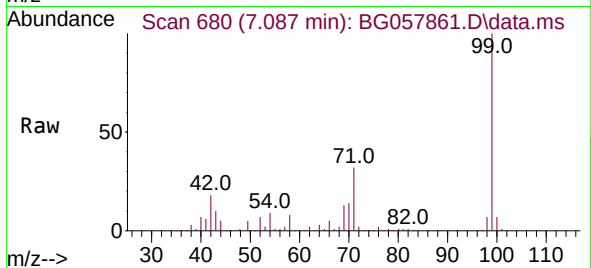
#7
Phenol-d6
Concen: 84.029 ng
RT: 7.087 min Scan# 61
Delta R.T. -0.002 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Instrument :
BNA_G
ClientSampleId :
WC-15

Tgt Ion: 99 Resp: 430061
Ion Ratio Lower Upper
99 100
42 18.0 16.4 24.6
71 31.6 25.8 38.6

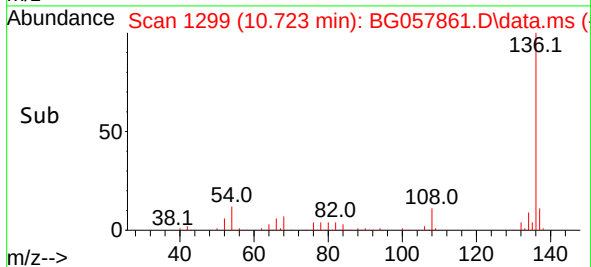
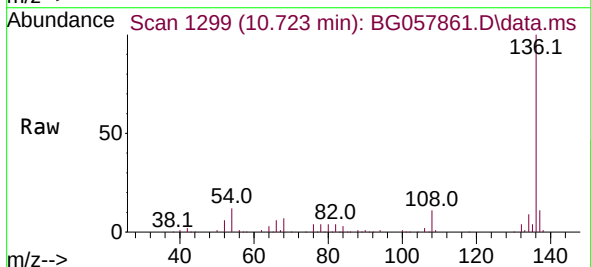
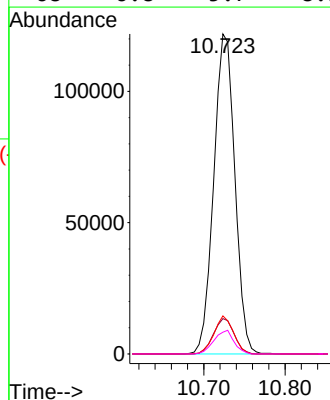
Manual Integrations
APPROVED

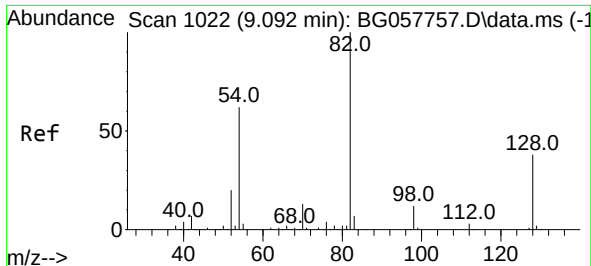
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 1299
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:136 Resp: 220104
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.9 9.5 14.3
68 6.8 5.7 8.5





#23
Nitrobenzene-d5
Concen: 57.881 ng
RT: 9.084 min Scan# 1022
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

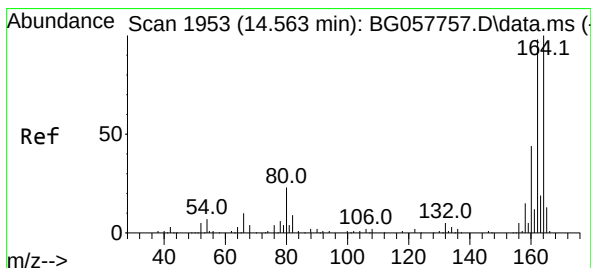
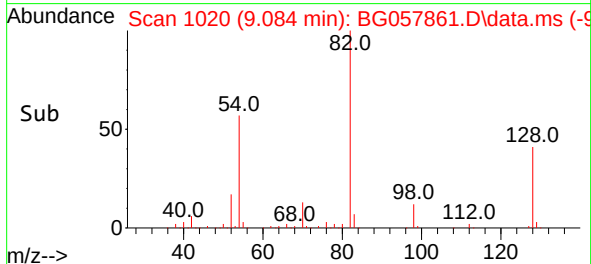
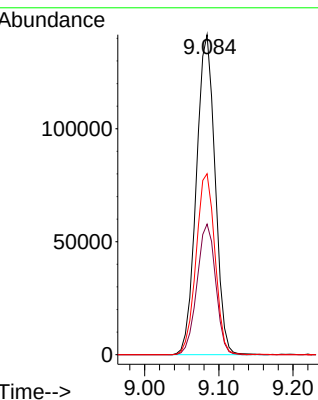
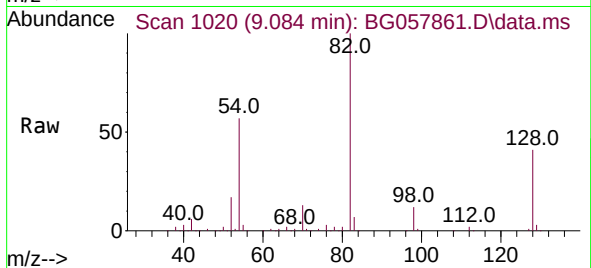
WC-15

Tgt Ion: 82 Resp: 248220
Ion Ratio Lower Upper
82 100
128 40.8 30.7 46.1
54 56.5 49.6 74.4

Manual Integrations

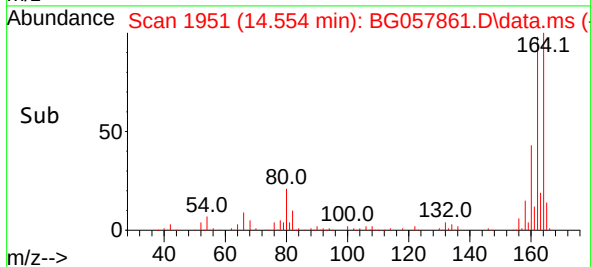
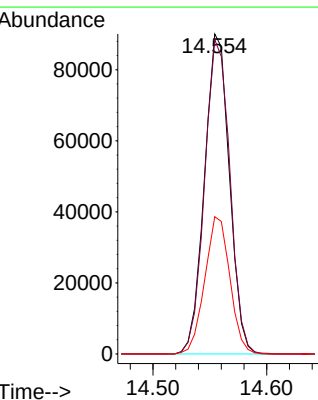
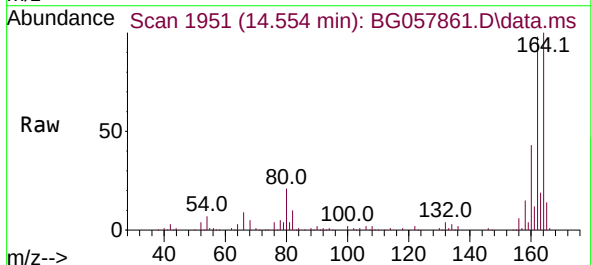
APPROVED

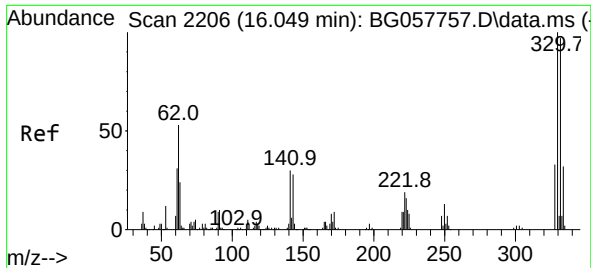
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.554 min Scan# 1951
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:164 Resp: 137385
Ion Ratio Lower Upper
164 100
162 98.2 78.3 117.5
160 42.9 35.4 53.0





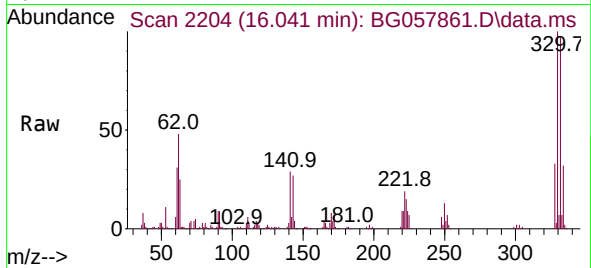
#42
2,4,6-Tribromophenol
Concen: 89.212 ng
RT: 16.041 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

WC-15

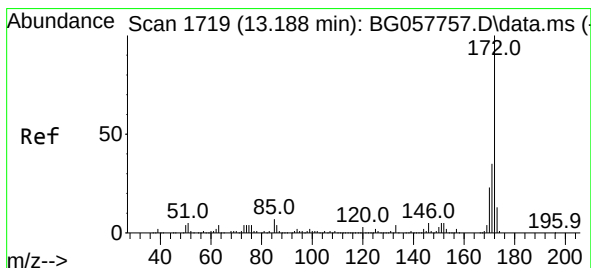
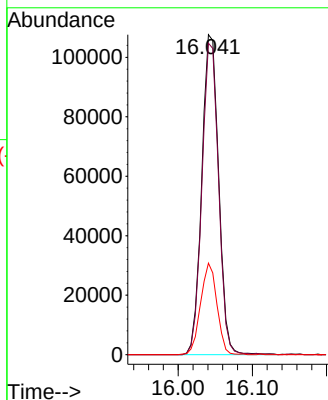
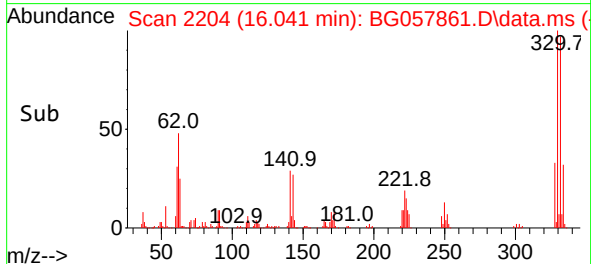


Tgt Ion:330 Resp: 17073
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 27.7 24.7 37.1

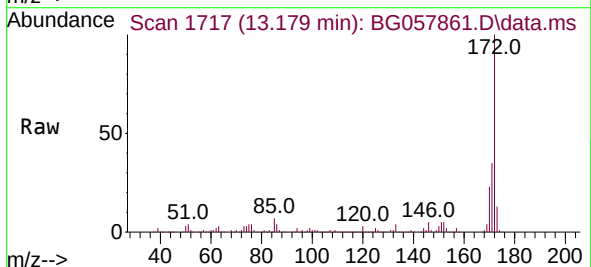
Manual Integrations

APPROVED

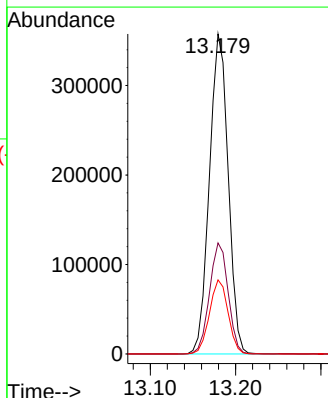
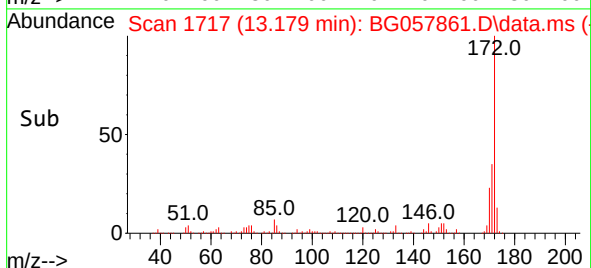
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023

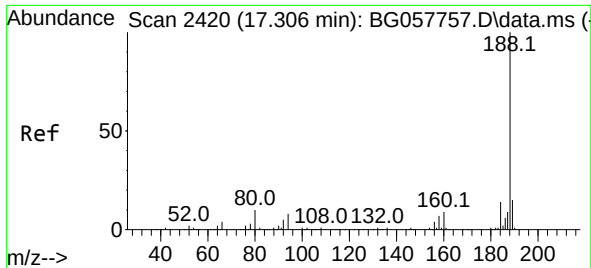


#45
2-Fluorobiphenyl
Concen: 60.264 ng
RT: 13.179 min Scan# 1717
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22



Tgt Ion:172 Resp: 545866
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.2 18.6 27.8





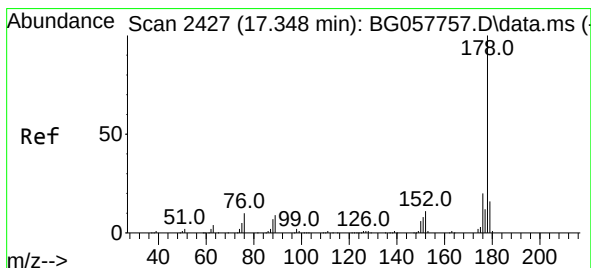
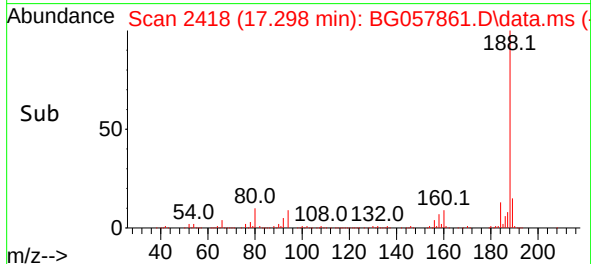
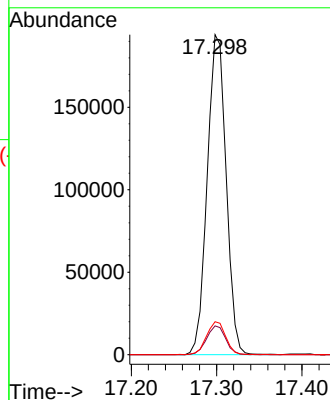
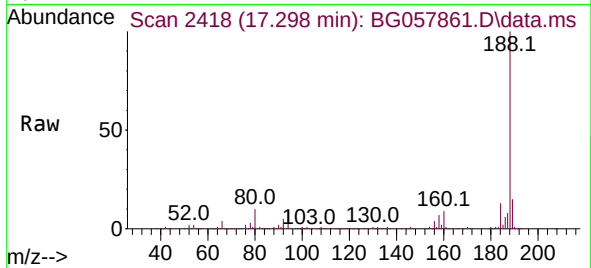
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2418
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Instrument :
BNA_G
ClientSampleId :
WC-15

Tgt Ion:188 Resp: 299015
Ion Ratio Lower Upper
188 100
94 9.0 6.6 9.8
80 10.3 7.6 11.4

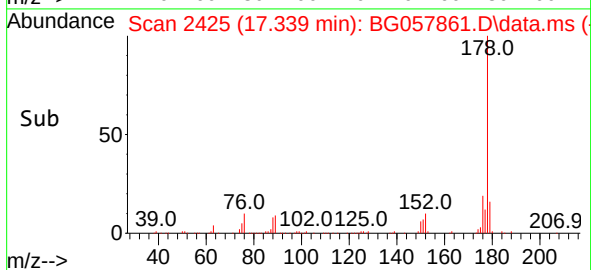
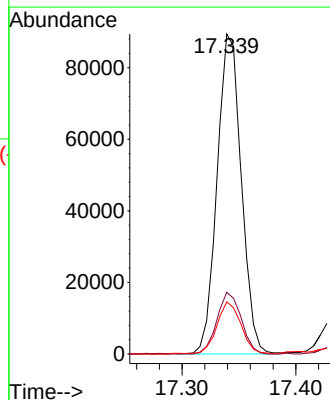
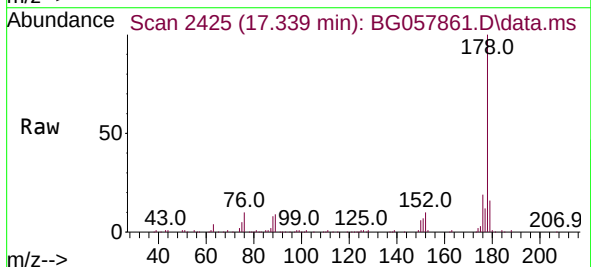
Manual Integrations
APPROVED

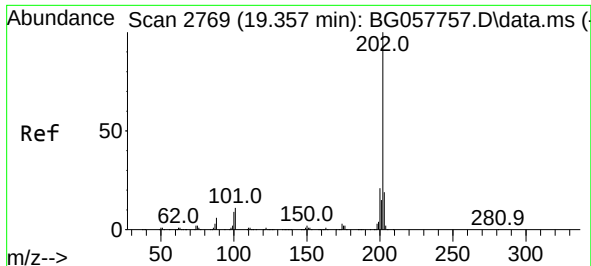
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#71
Phenanthrene
Concen: 9.137 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:178 Resp: 132279
Ion Ratio Lower Upper
178 100
176 19.2 16.3 24.5
179 16.3 13.0 19.6





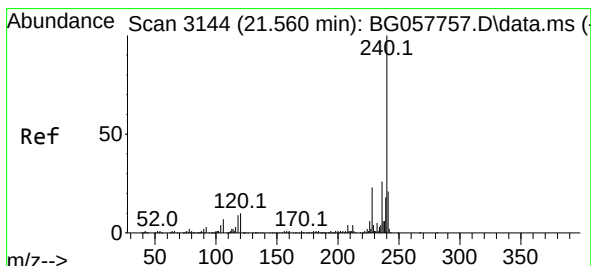
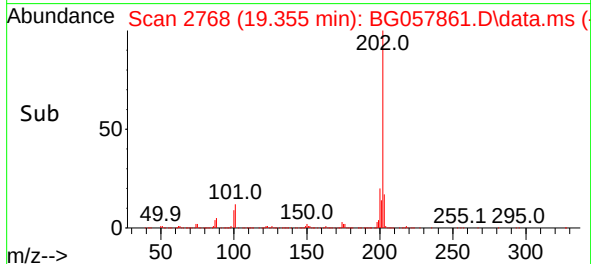
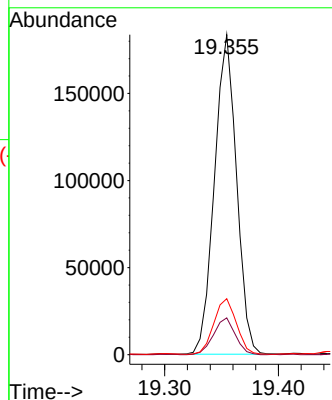
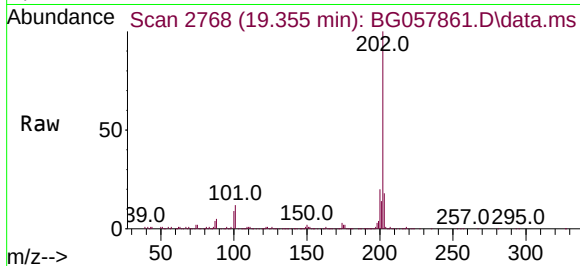
#75
Fluoranthene
Concen: 14.343 ng
RT: 19.355 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Instrument :
BNA_G
ClientSampleId :
WC-15

Tgt Ion:202 Resp: 24737
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.3
203 17.5 0.0 38.7

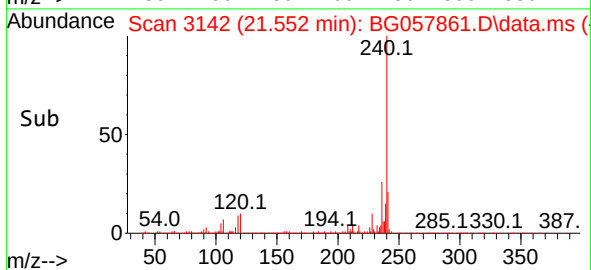
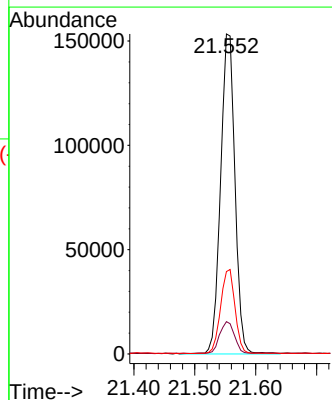
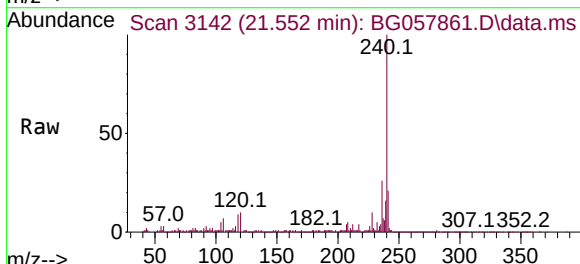
Manual Integrations
APPROVED

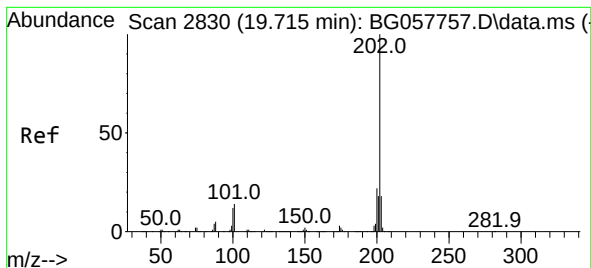
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.552 min Scan# 3142
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:240 Resp: 251524
Ion Ratio Lower Upper
240 100
120 10.1 8.1 12.1
236 25.8 20.6 30.8





#78

Pyrene

Concen: 10.191 ng

RT: 19.713 min Scan# 2829

Delta R.T. -0.002 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

WC-15

Tgt Ion:202 Resp: 182850

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.0

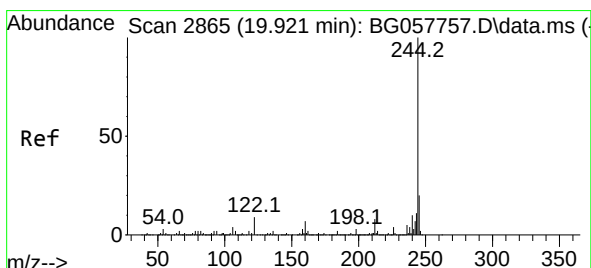
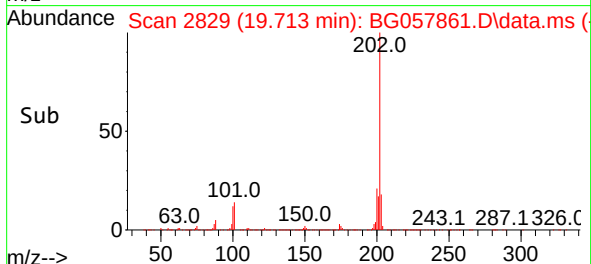
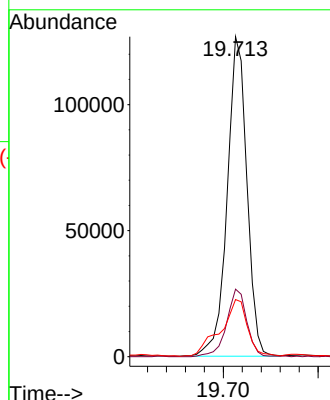
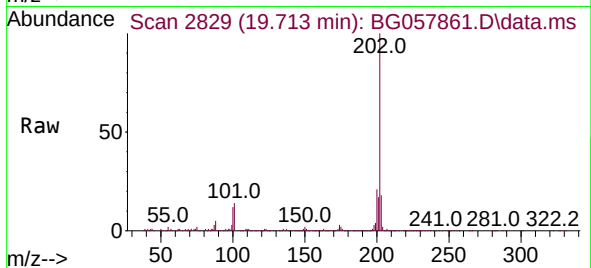
203 17.8 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#79

Terphenyl-d14

Concen: 59.381 ng

RT: 19.919 min Scan# 2864

Delta R.T. -0.002 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

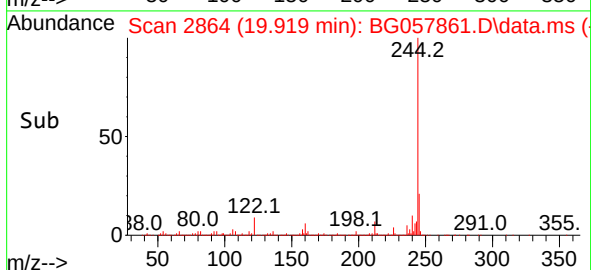
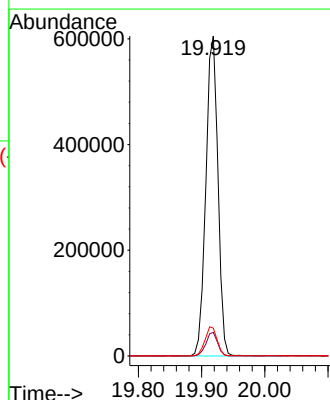
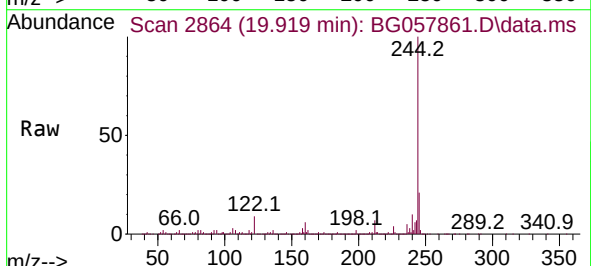
Tgt Ion:244 Resp: 800983

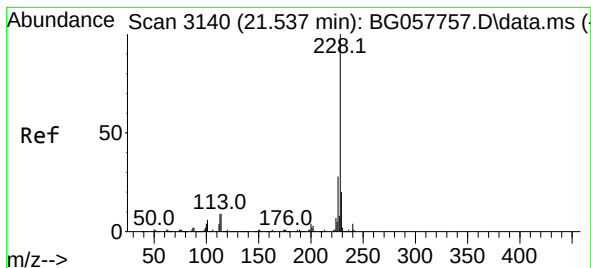
Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

122 8.7 7.6 11.4





#81

Benzo(a)anthracene

Concen: 5.140 ng

RT: 21.534 min Scan# 3140

Delta R.T. -0.002 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

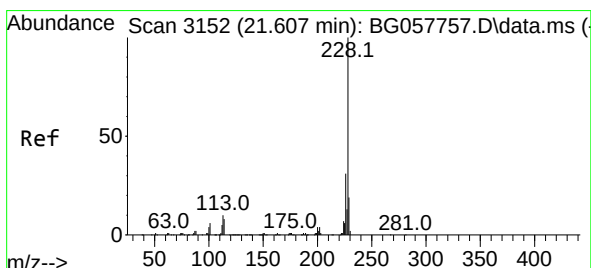
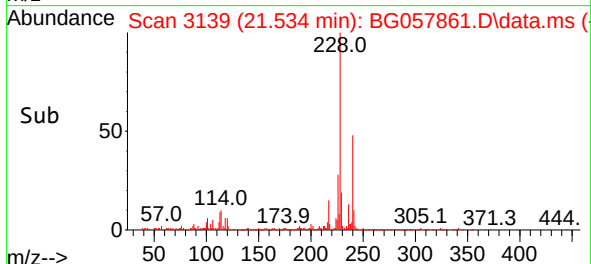
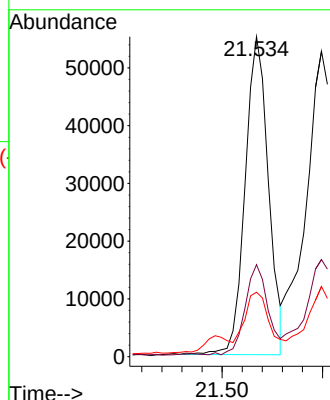
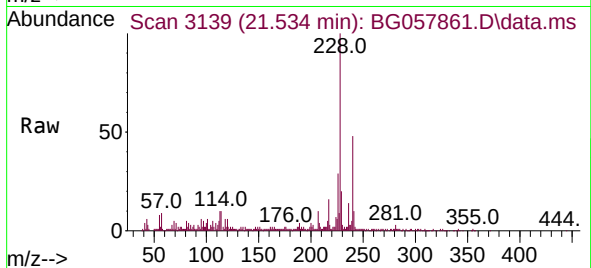
WC-15

Tgt Ion:228 Resp: 88695
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.3 33.5
 229 20.2 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#83

Chrysene

Concen: 6.222 ng m

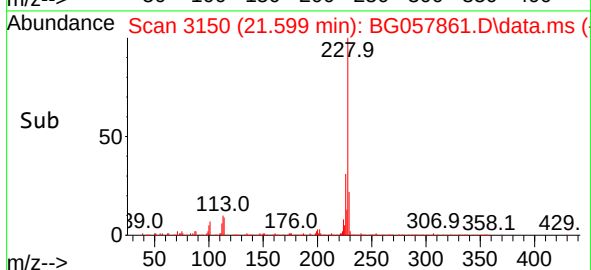
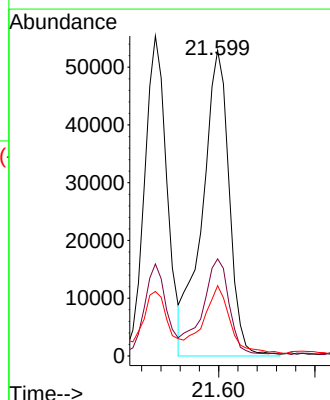
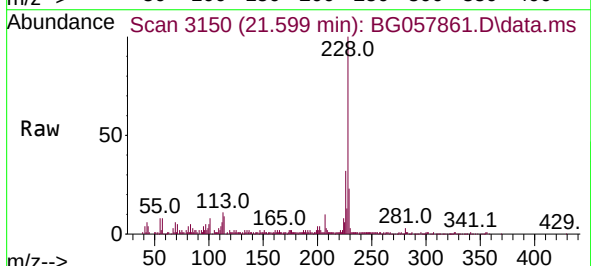
RT: 21.599 min Scan# 3150

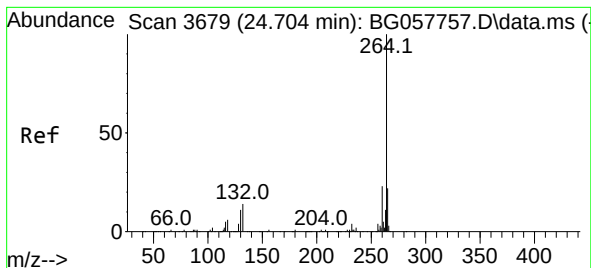
Delta R.T. -0.008 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Tgt Ion:228 Resp: 103046
 Ion Ratio Lower Upper
 228 100
 226 31.8 24.8 37.2
 229 23.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.713 min Scan# 3

Delta R.T. 0.009 min

Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Instrument :

BNA_G

ClientSampleId :

WC-15

Tgt Ion:264 Resp: 31210

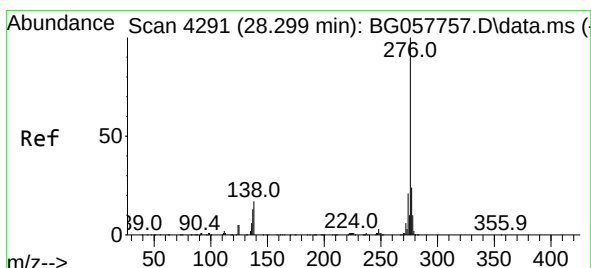
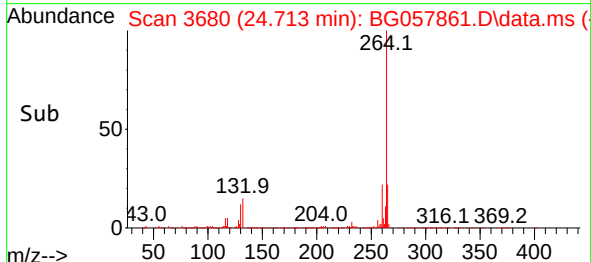
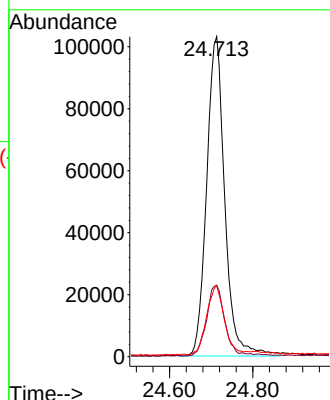
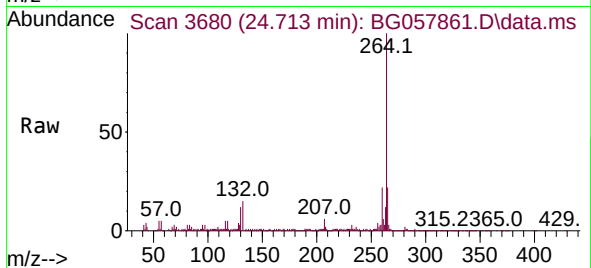
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	22.2	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.152 ng

RT: 28.303 min Scan# 4291

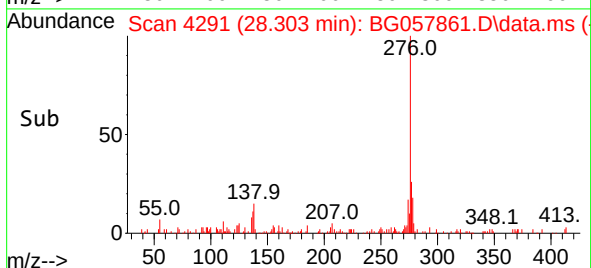
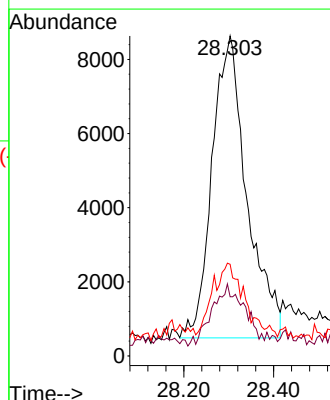
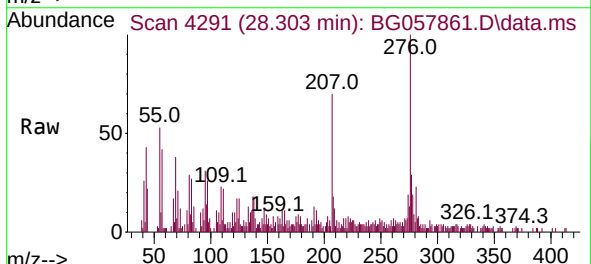
Delta R.T. 0.003 min

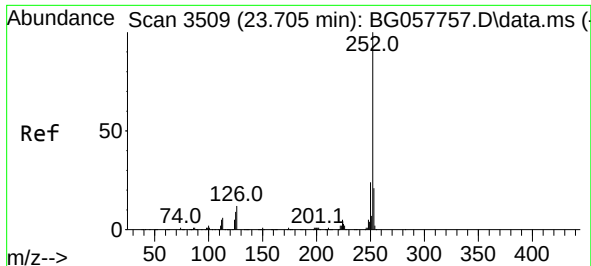
Lab File: BG057861.D

Acq: 24 Jun 2023 4:22

Tgt Ion:276 Resp: 43907

Ion	Ratio	Lower	Upper
276	100		
138	19.2	11.3	16.9#
277	13.0	20.4	30.6#





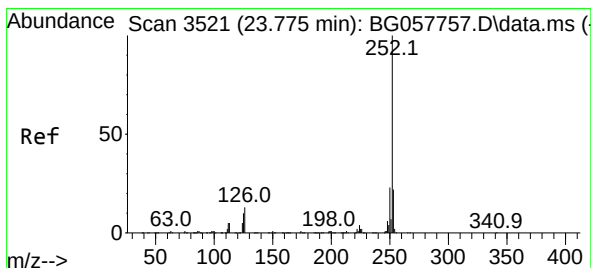
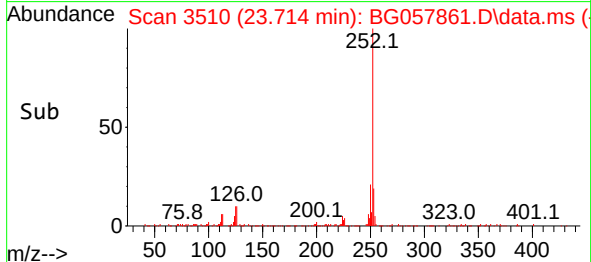
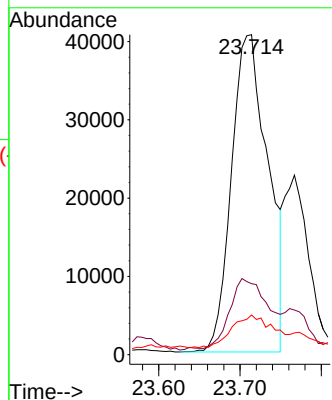
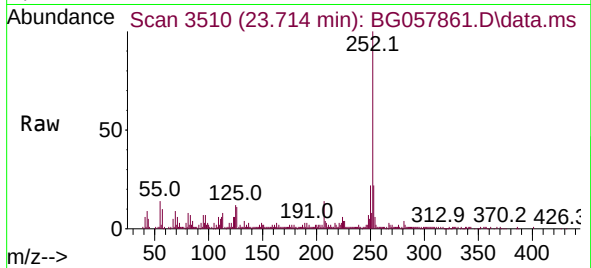
#88
Benzo(b)fluoranthene
Concen: 7.398 ng
RT: 23.714 min Scan# 3510
Delta R.T. 0.009 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Instrument :
BNA_G
ClientSampleId :
WC-15

Tgt Ion:252 Resp: 12653
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 12.4 7.4 11.0

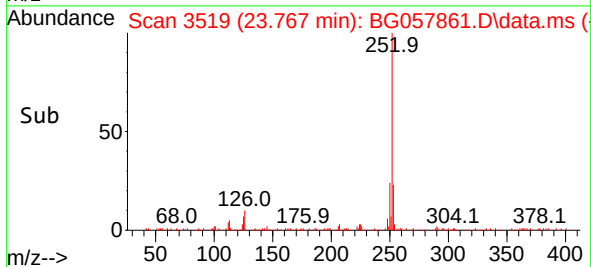
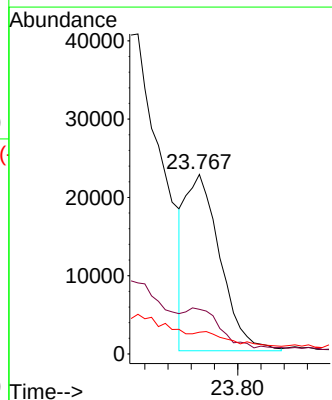
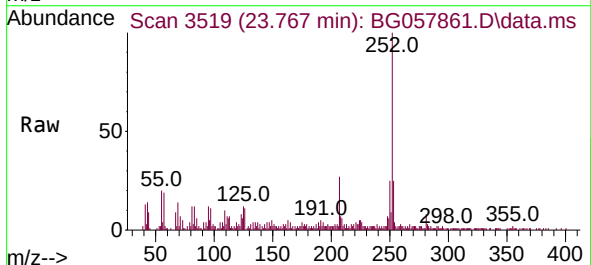
Manual Integrations
APPROVED

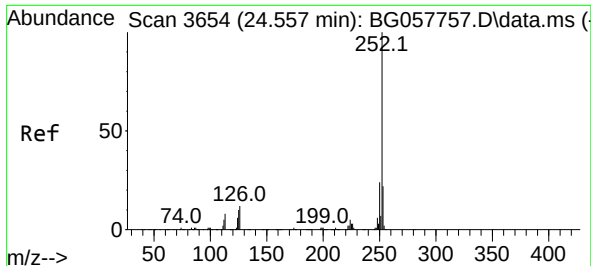
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#89
Benzo(k)fluoranthene
Concen: 2.690 ng m
RT: 23.767 min Scan# 3519
Delta R.T. -0.008 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

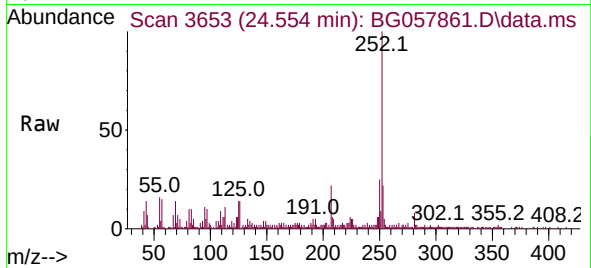
Tgt Ion:252 Resp: 46855
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 12.1 7.6 11.4





#90
Benzo(a)pyrene
Concen: 4.556 ng
RT: 24.554 min Scan# 30
Delta R.T. -0.002 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

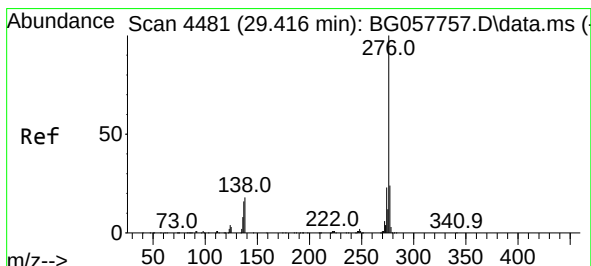
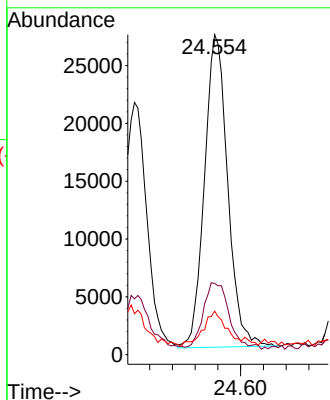
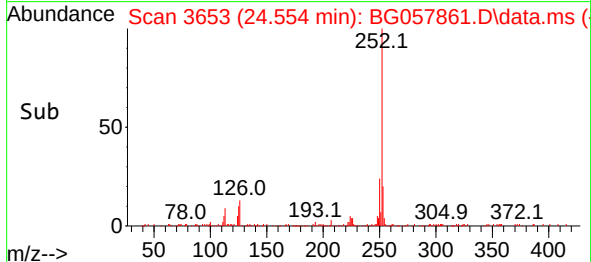
Instrument :
BNA_G
ClientSampleId :
WC-15



Tgt Ion:252 Resp: 76530
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 13.6 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#92
Benzo(g,h,i)perylene
Concen: 2.417 ng
RT: 29.413 min Scan# 4480
Delta R.T. -0.002 min
Lab File: BG057861.D
Acq: 24 Jun 2023 4:22

Tgt Ion:276 Resp: 40982
Ion Ratio Lower Upper
276 100
277 26.8 19.4 29.0
138 23.7 14.2 21.4

