

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059778.D
 Acq On : 20 Nov 2023 21:09
 Operator : MA/JU
 Sample : 05361-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-111023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 21 00:21:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.330	152	39916	20.000	ng	-0.01
21) Naphthalene-d8	11.180	136	170318	20.000	ng	#-0.01
39) Acenaphthene-d10	14.958	164	113525	20.000	ng	-0.01
64) Phenanthrene-d10	17.708	188	230754	20.000	ng	#-0.01
76) Chrysene-d12	22.038	240	173188	20.000	ng	-0.01
86) Perylene-d12	25.628	264	197594	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	37328	15.740	ng	0.00
7) Phenol-d6	7.449	99	58389	16.614	ng	0.00
23) Nitrobenzene-d5	9.529	82	55047	12.344	ng	-0.01
42) 2,4,6-Tribromophenol	16.444	330	23497	18.242	ng	-0.01
45) 2-Fluorobiphenyl	13.583	172	107445	12.740	ng	-0.01
79) Terphenyl-d14	20.287	244	150789	12.853	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.755	178	124303	10.595	ng	97
72) Anthracene	17.843	178	30501m	2.502	ng	
75) Fluoranthene	19.746	202	192152	13.657	ng	96
78) Pyrene	20.111	202	184541	15.661	ng	93
81) Benzo(a)anthracene	22.020	228	83154	7.017	ng	95
83) Chrysene	22.091	228	90898m	8.368	ng	
88) Benzo(b)fluoranthene	24.476	252	83619	7.721	ng	# 93
89) Benzo(k)fluoranthene	24.541	252	45809m	4.278	ng	
90) Benzo(a)pyrene	25.457	252	81361m	7.039	ng	

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

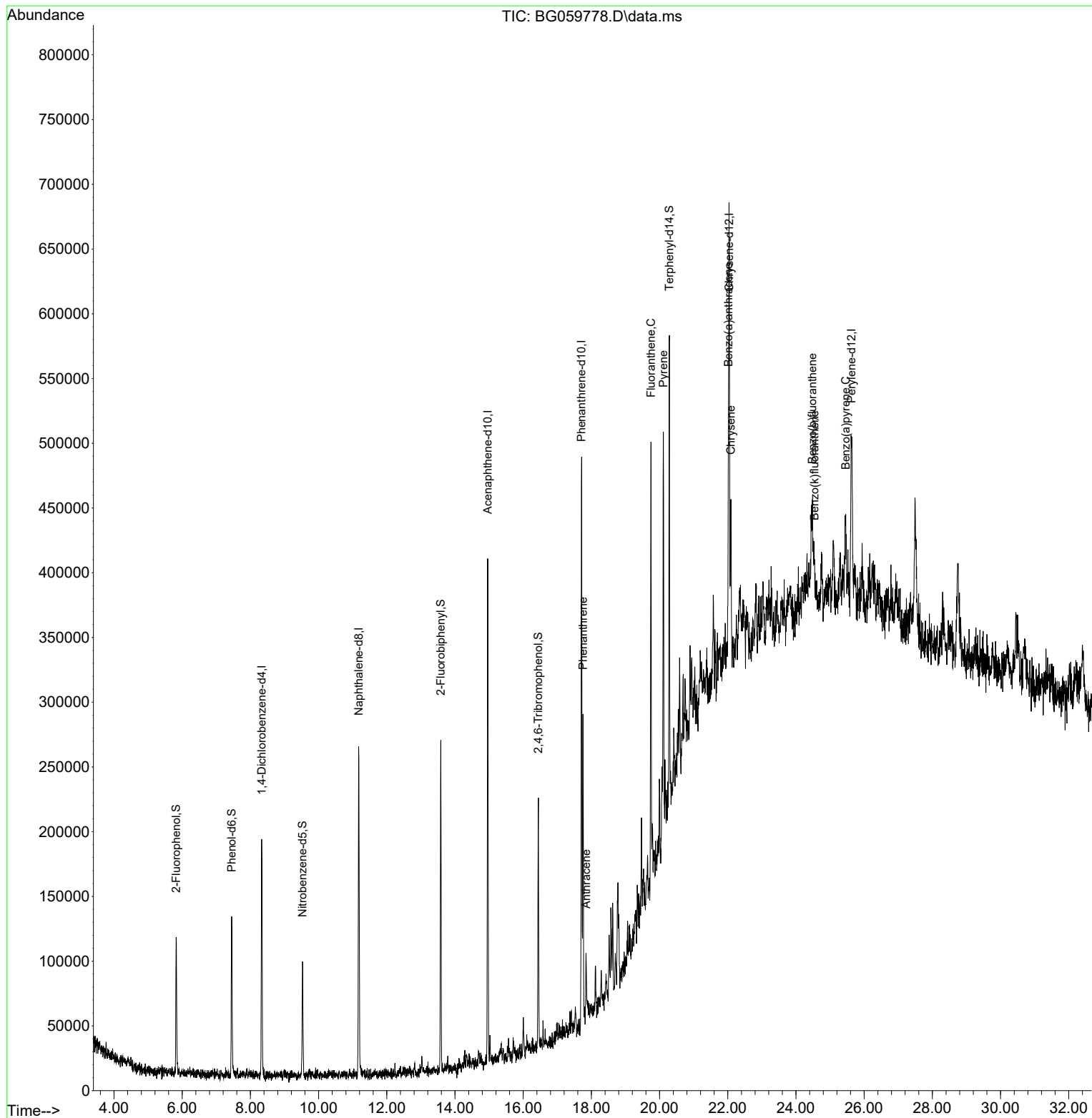
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Data File : BG059778.D
Acq On : 20 Nov 2023 21:09
Operator : MA/JU
Sample : 05361-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

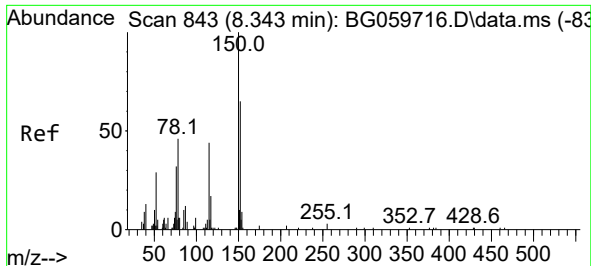
Instrument :
BNA_G
ClientSampleId :
OK-01-111023

Quant Time: Nov 21 00:21:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration

Manual Integrations
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Supervised By :mohammad ahmed 11/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.330 min Scan# 843
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Instrument :

BNA_G

ClientSampleId :

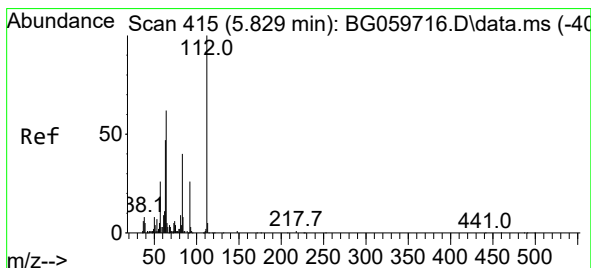
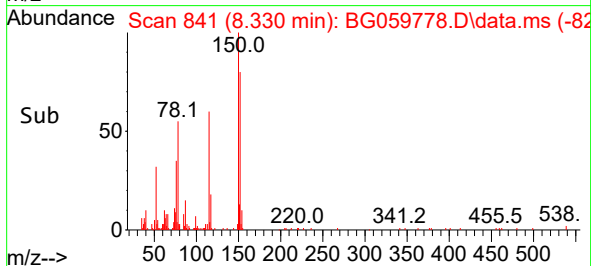
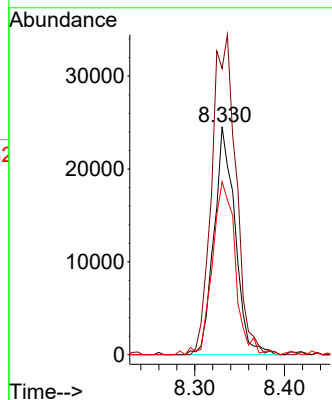
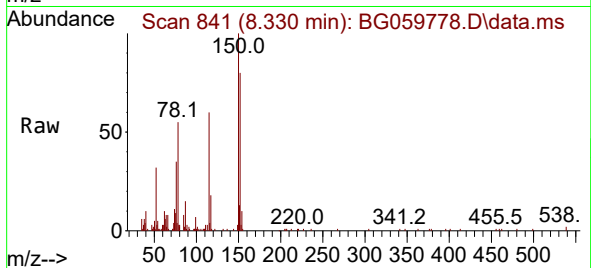
OK-01-111023

Tgt Ion:152 Resp: 39910
Ion Ratio Lower Upper
152 100
150 125.5 122.2 183.4
115 75.9 54.2 81.4

Manual Integrations

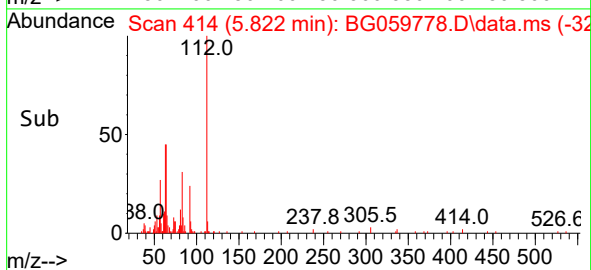
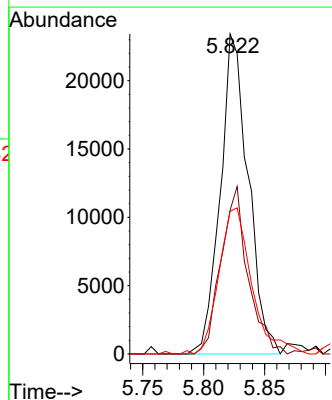
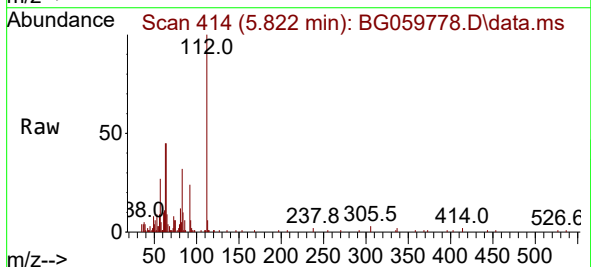
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Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#5
2-Fluorophenol
Concen: 15.740 ng
RT: 5.822 min Scan# 414
Delta R.T. -0.007 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Tgt Ion:112 Resp: 37328
Ion Ratio Lower Upper
112 100
64 45.0 49.5 74.3#
63 44.6 37.4 56.2





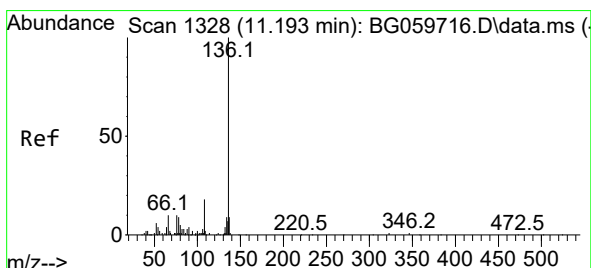
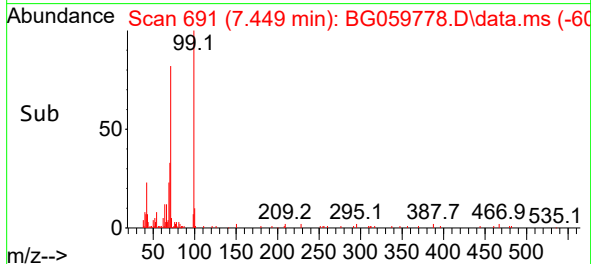
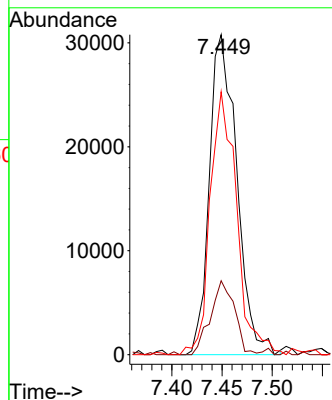
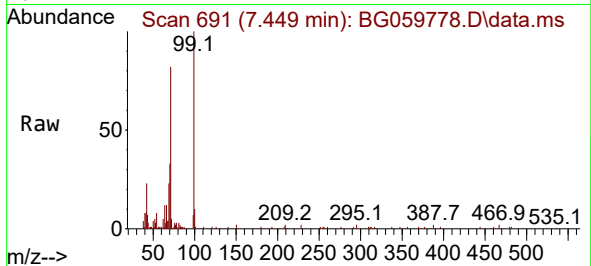
#7
Phenol-d6
Concen: 16.614 ng
RT: 7.449 min Scan# 692
Delta R.T. -0.007 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Instrument :
BNA_G
ClientSampleId :
OK-01-111023

Tgt Ion: 99 Resp: 58389
Ion Ratio Lower Upper
99 100
42 23.1 14.3 21.5
71 82.2 59.3 88.9

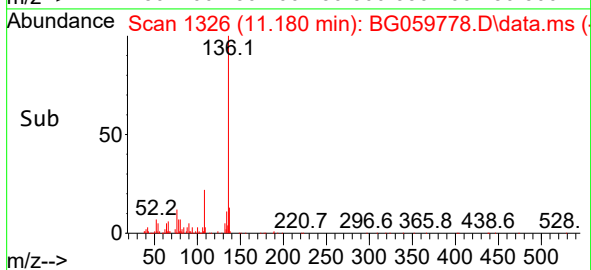
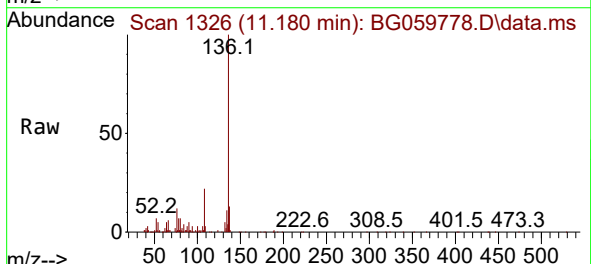
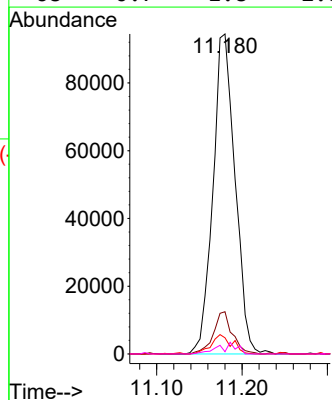
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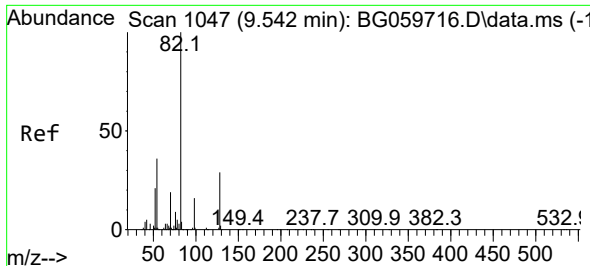
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.180 min Scan# 1326
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Tgt Ion:136 Resp: 170318
Ion Ratio Lower Upper
136 100
137 13.2 7.4 11.0#
54 5.0 3.1 4.7#
68 0.7 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 12.344 ng
RT: 9.529 min Scan# 1045
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Instrument :

BNA_G

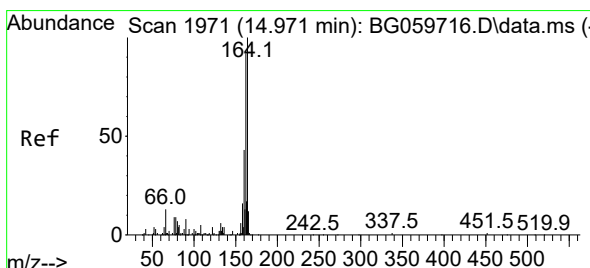
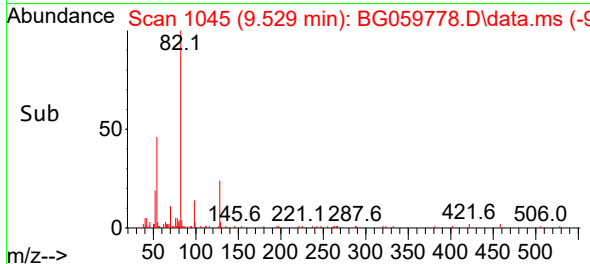
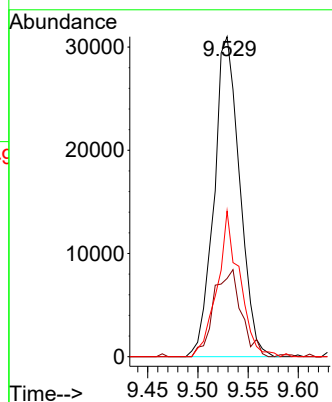
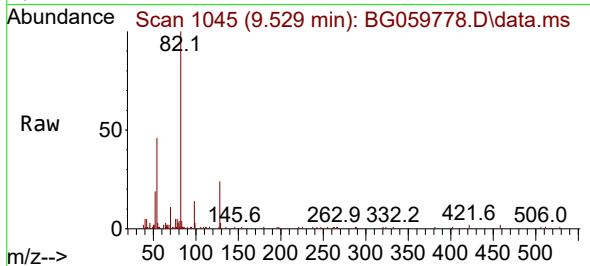
ClientSampleId :

OK-01-111023

Tgt Ion: 82 Resp: 5504
Ion Ratio Lower Upper
82 100
128 24.4 23.0 34.6
54 45.5 28.7 43.1

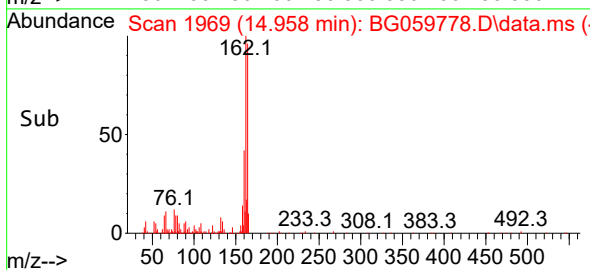
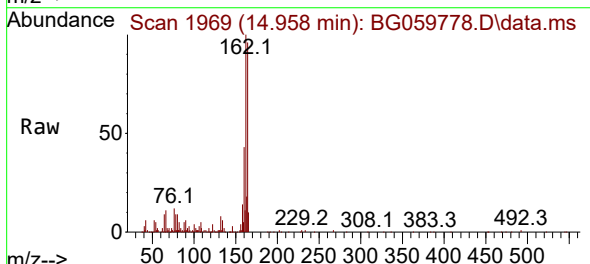
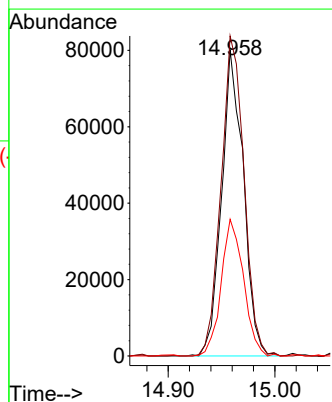
Manual Integrations
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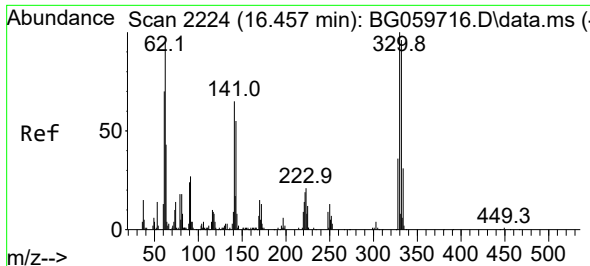
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.958 min Scan# 1969
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Tgt Ion:164 Resp: 113525
Ion Ratio Lower Upper
164 100
162 104.5 73.3 109.9
160 44.6 34.1 51.1





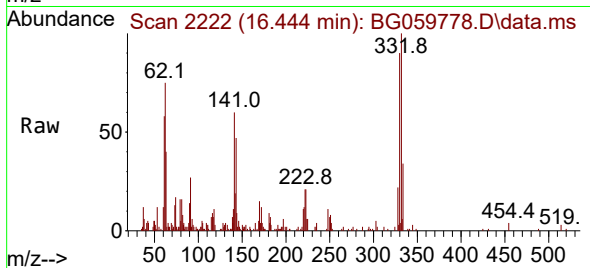
#42
2,4,6-Tribromophenol
Concen: 18.242 ng
RT: 16.444 min Scan# 21
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Instrument :

BNA_G

ClientSampleId :

OK-01-111023



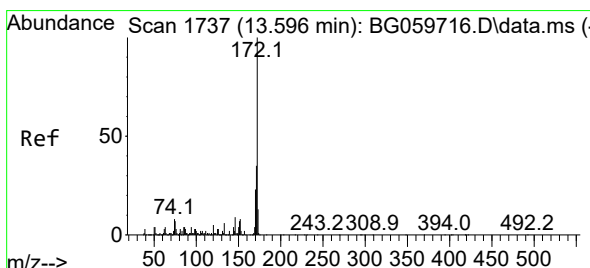
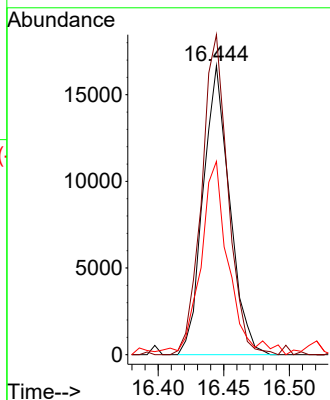
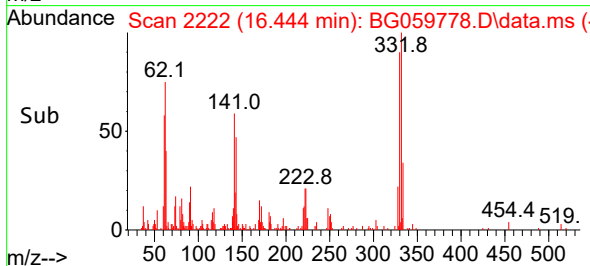
Tgt Ion:330 Resp: 2349
Ion Ratio Lower Upper
330 100
332 109.4 73.3 109.9
141 69.9 52.1 78.1

Manual Integrations

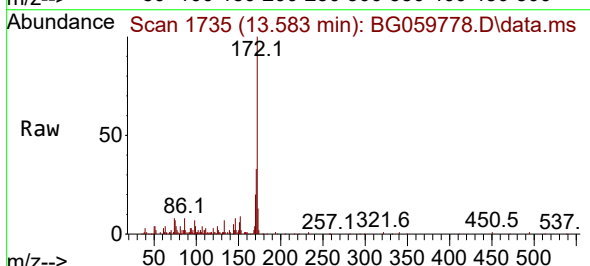
APPROVED

Reviewed By :Yogesh Patel 11/21/2023

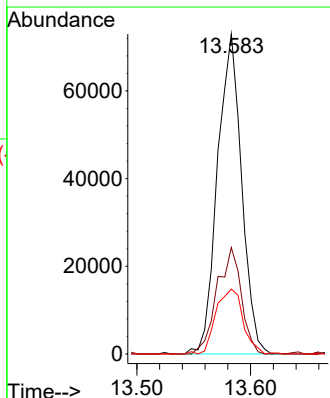
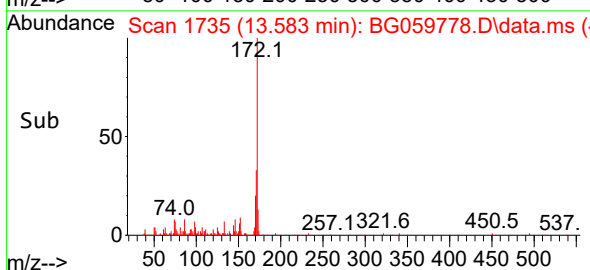
Supervised By :mohammad ahmed 11/21/2023

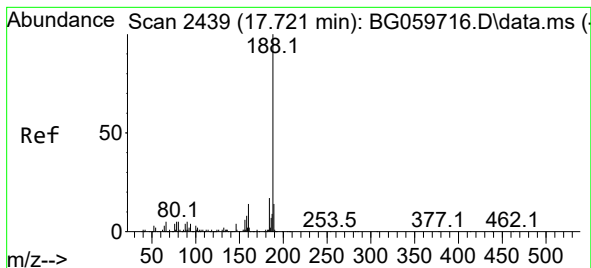


#45
2-Fluorobiphenyl
Concen: 12.740 ng
RT: 13.583 min Scan# 1735
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09



Tgt Ion:172 Resp: 107445
Ion Ratio Lower Upper
172 100
171 33.3 27.7 41.5
170 20.3 18.4 27.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.708 min Scan# 2437
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Instrument :

BNA_G

ClientSampleId :

OK-01-111023

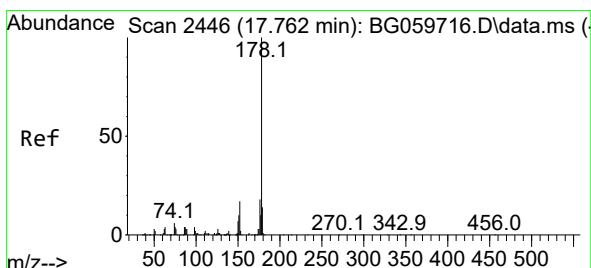
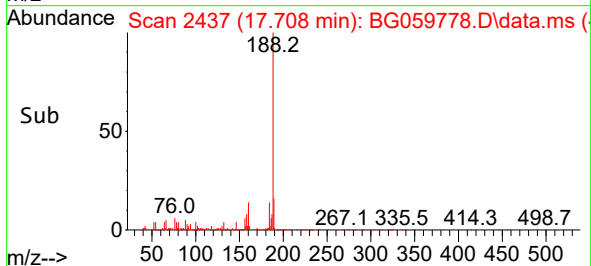
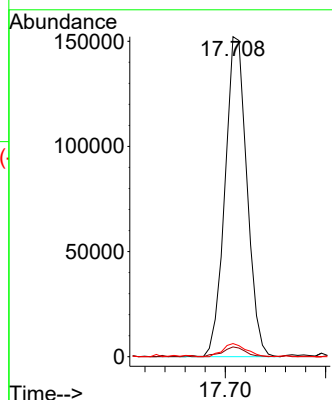
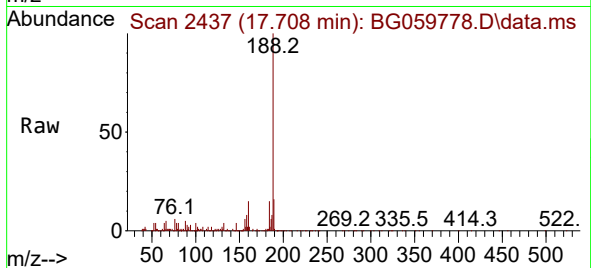
Tgt Ion:188 Resp: 230754
Ion Ratio Lower Upper
188 100
94 3.1 3.0 4.4
80 4.1 4.2 6.4

Manual Integrations

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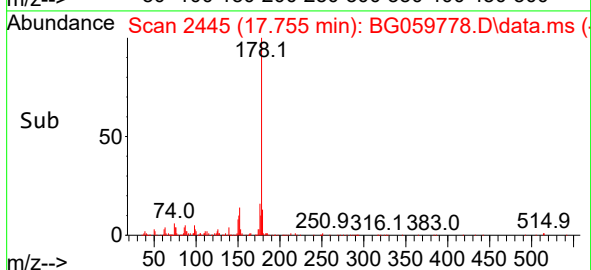
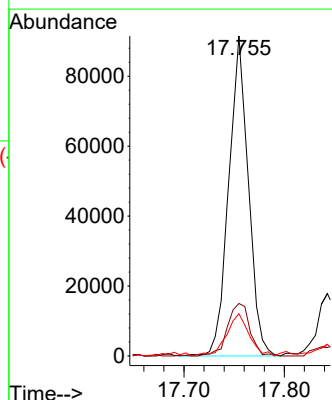
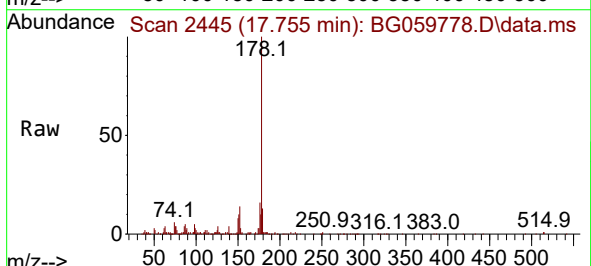
Reviewed By :Yogesh Patel 11/21/2023

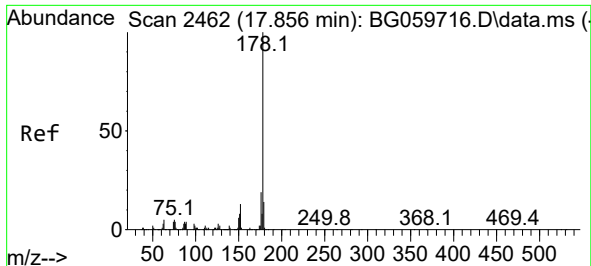
Supervised By :mohammad ahmed 11/21/2023



#71
Phenanthrene
Concen: 10.595 ng
RT: 17.755 min Scan# 2445
Delta R.T. -0.007 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Tgt Ion:178 Resp: 124303
Ion Ratio Lower Upper
178 100
176 16.4 14.5 21.7
179 13.2 11.2 16.8





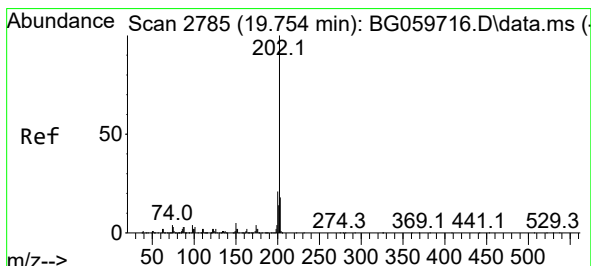
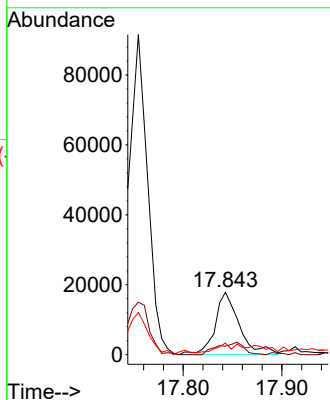
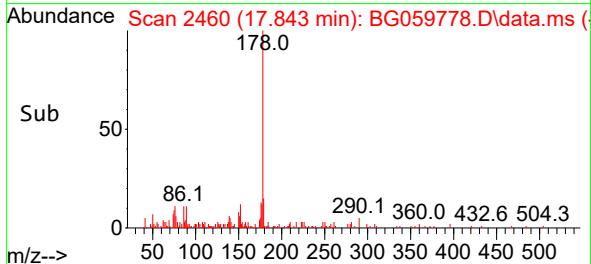
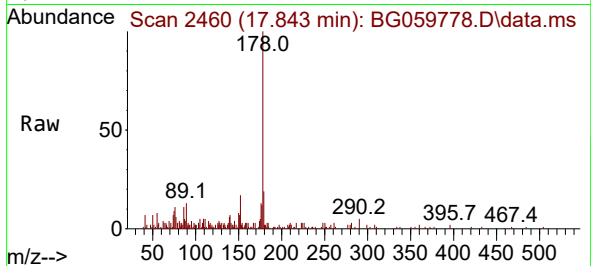
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 Anthracene
 Concen: 2.502 ng m
 RT: 17.843 min Scan# 2462
 Delta R.T. -0.013 min
 Lab File: BG059778.D
 Acq: 20 Nov 2023 21:09

Instrument :
 BNA_G
 ClientSampleId :
 OK-01-111023

Tgt Ion:178 Resp: 3050
 Ion Ratio Lower Upper
 178 100
 176 13.5 15.0 22.4
 179 18.6 11.5 17.3

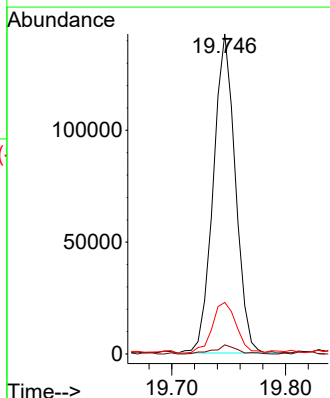
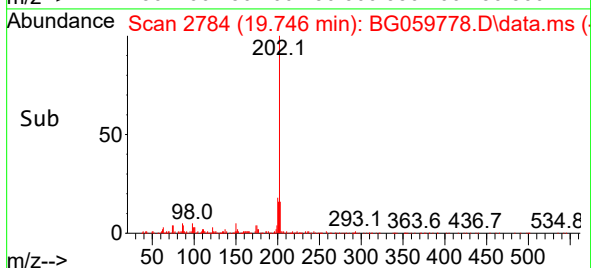
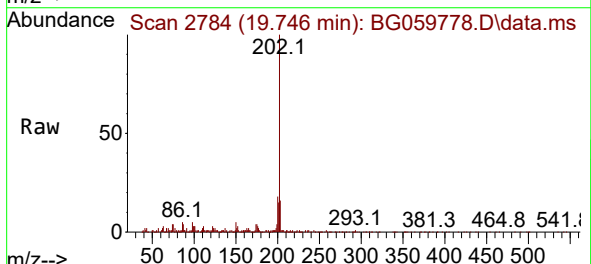
Manual Integrations
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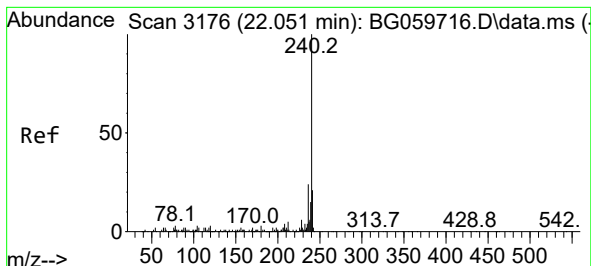
Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023



#75
 Fluoranthene
 Concen: 13.657 ng
 RT: 19.746 min Scan# 2784
 Delta R.T. -0.007 min
 Lab File: BG059778.D
 Acq: 20 Nov 2023 21:09

Tgt Ion:202 Resp: 192152
 Ion Ratio Lower Upper
 202 100
 101 2.8 0.0 22.7
 203 16.1 0.0 38.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.038 min Scan# 3176

Delta R.T. -0.013 min

Lab File: BG059778.D

Acq: 20 Nov 2023 21:09

Instrument :

BNA_G

ClientSampleId :

OK-01-111023

Tgt Ion:240 Resp: 17318

Ion Ratio Lower Upper

240 100

120 2.8 2.2 3.2

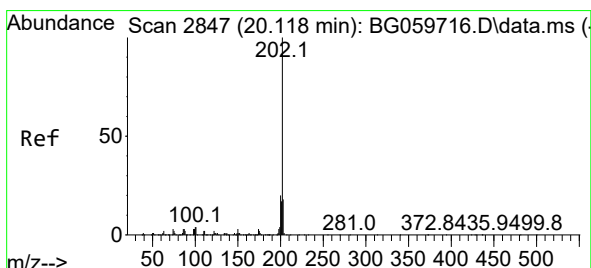
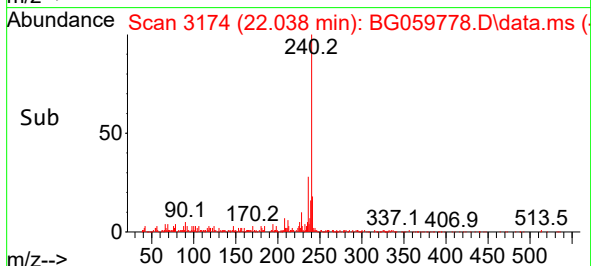
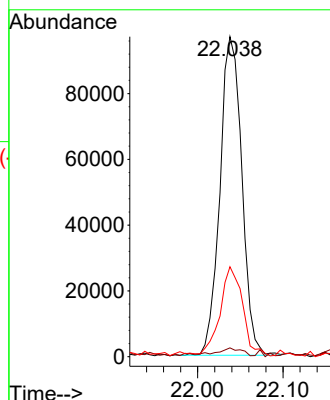
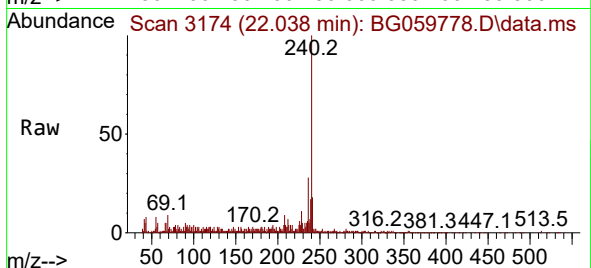
236 28.1 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#78

Pyrene

Concen: 15.661 ng

RT: 20.111 min Scan# 2846

Delta R.T. -0.007 min

Lab File: BG059778.D

Acq: 20 Nov 2023 21:09

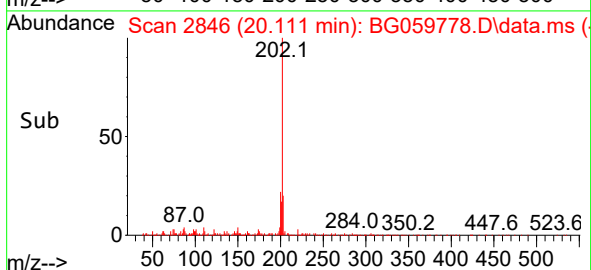
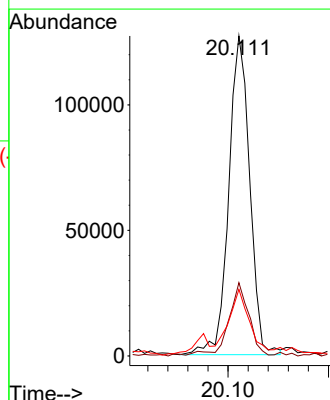
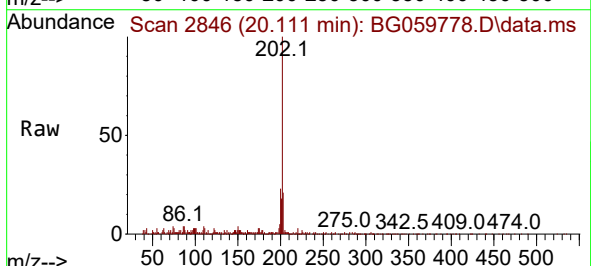
Tgt Ion:202 Resp: 184541

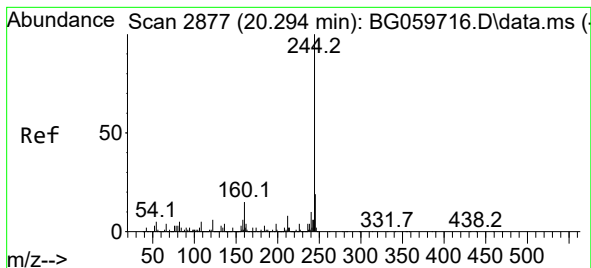
Ion Ratio Lower Upper

202 100

200 22.9 16.2 24.4

203 20.8 14.0 21.0





#79

Terphenyl-d14

Concen: 12.853 ng

RT: 20.287 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG059778.D

Acq: 20 Nov 2023 21:09

Instrument :

BNA_G

ClientSampleId :

OK-01-111023

Tgt Ion:244 Resp: 150789

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

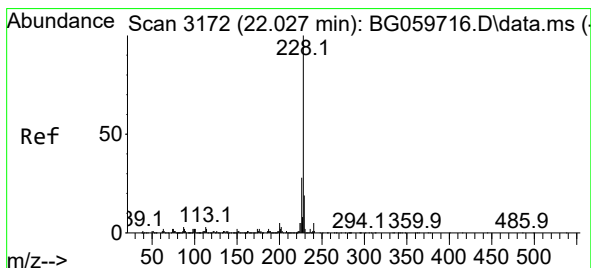
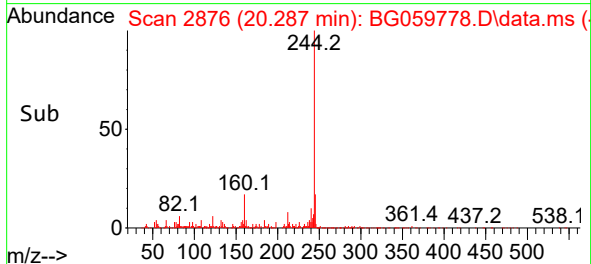
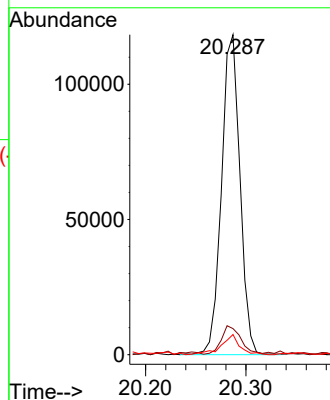
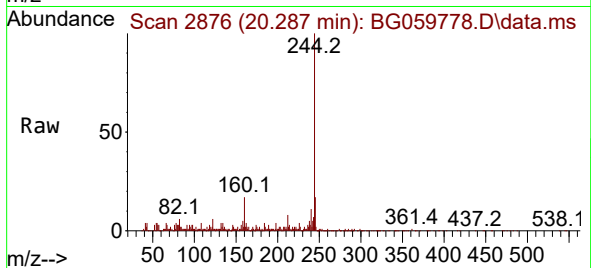
122 6.3 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#81

Benzo(a)anthracene

Concen: 7.017 ng

RT: 22.020 min Scan# 3171

Delta R.T. -0.007 min

Lab File: BG059778.D

Acq: 20 Nov 2023 21:09

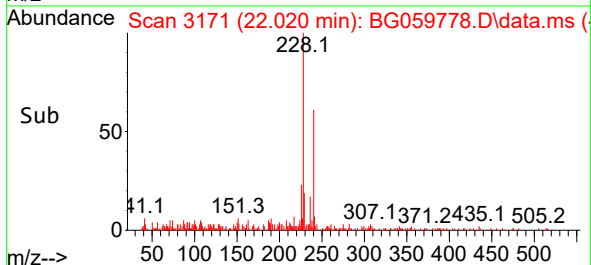
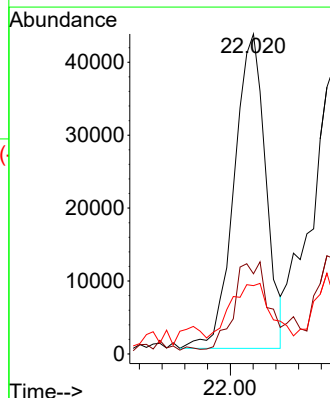
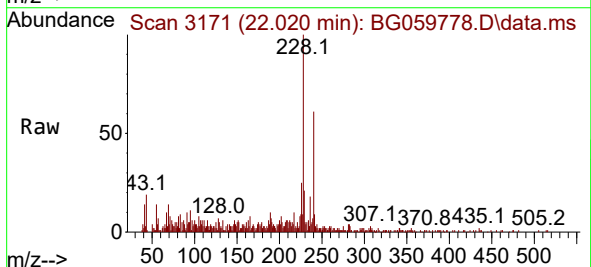
Tgt Ion:228 Resp: 83154

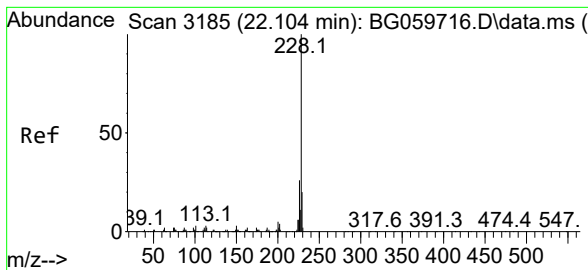
Ion Ratio Lower Upper

228 100

226 25.1 22.1 33.1

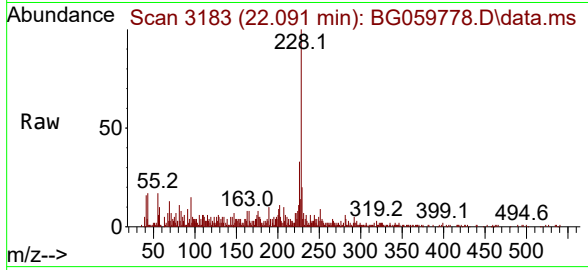
229 21.4 14.9 22.3





#83
Chrysene
Concen: 8.368 ng m
RT: 22.091 min Scan# 3183
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

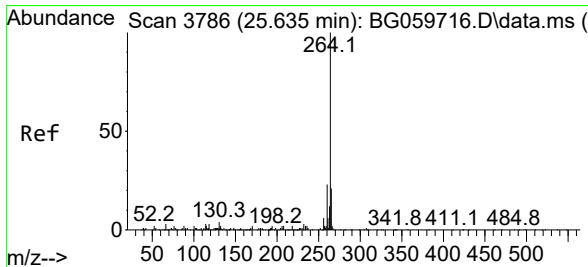
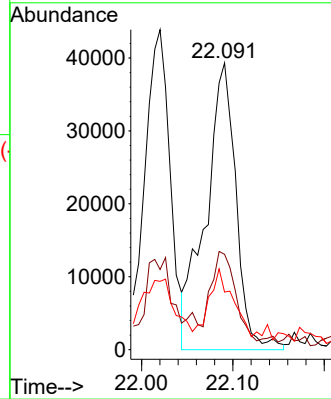
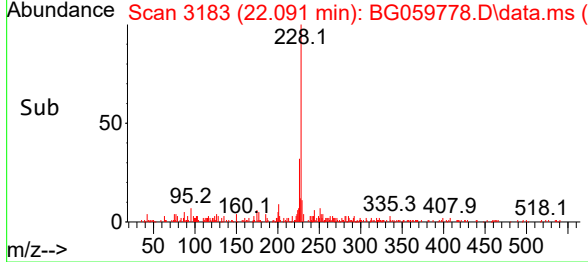
Instrument :
BNA_G
ClientSampleId :
OK-01-111023



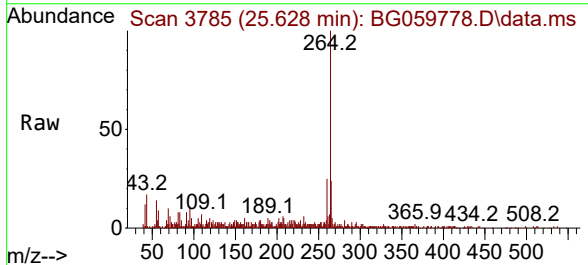
Tgt Ion:228 Resp: 90898
Ion Ratio Lower Upper
228 100
226 33.3 21.1 31.7
229 20.1 16.2 24.4

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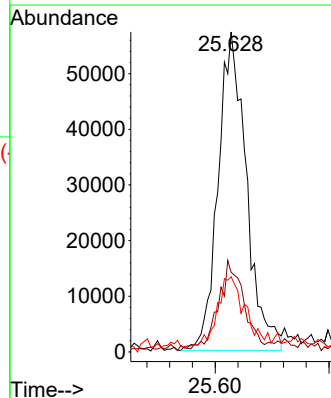
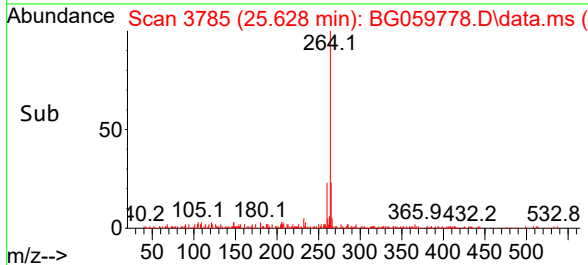
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

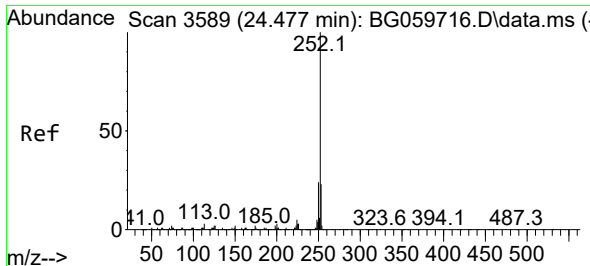


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.628 min Scan# 3785
Delta R.T. -0.007 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09



Tgt Ion:264 Resp: 197594
Ion Ratio Lower Upper
264 100
260 24.9 18.5 27.7
265 23.5 17.0 25.6





#88
Benzo(b)fluoranthene
Concen: 7.721 ng
RT: 24.476 min Scan# 3589
Delta R.T. -0.001 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Instrument :

BNA_G

ClientSampleId :

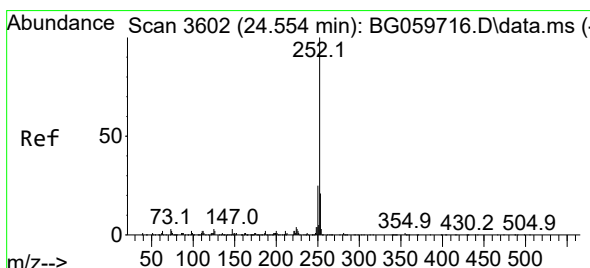
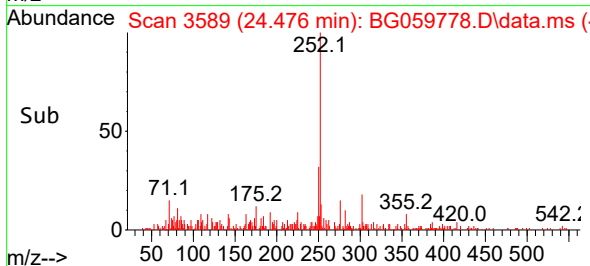
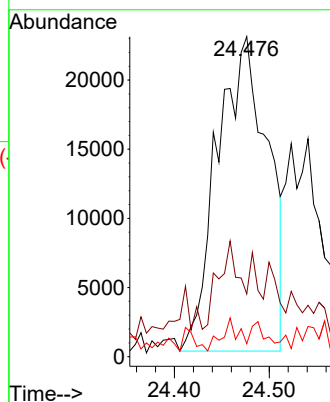
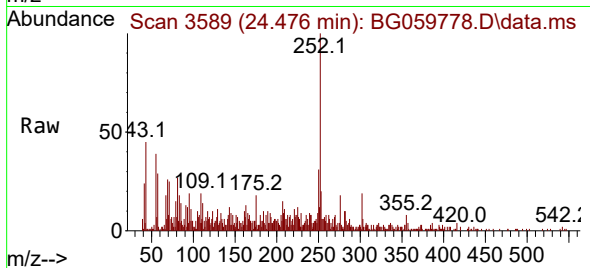
OK-01-111023

Tgt Ion:252 Resp: 83619
Ion Ratio Lower Upper
252 100
253 19.6 18.3 27.5
125 4.0 1.4 2.0

Manual Integrations

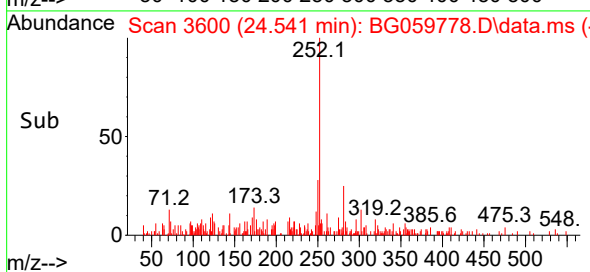
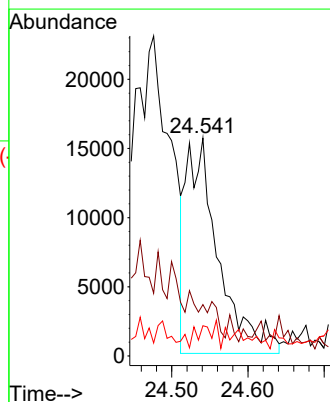
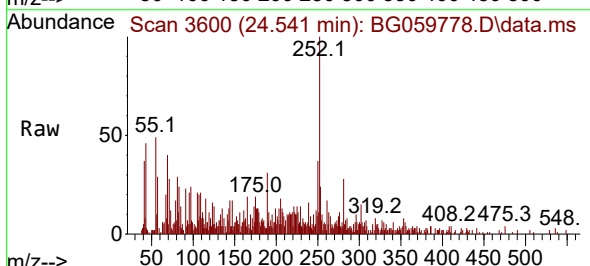
APPROVED

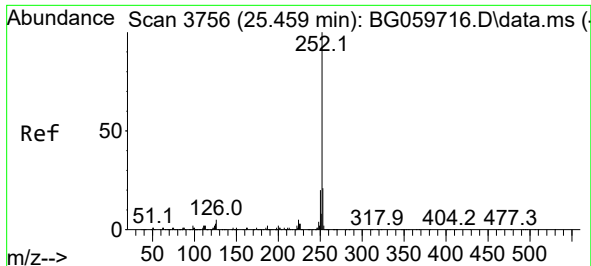
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#89
Benzo(k)fluoranthene
Concen: 4.278 ng m
RT: 24.541 min Scan# 3600
Delta R.T. -0.013 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

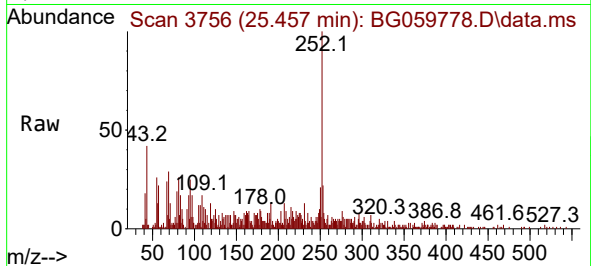
Tgt Ion:252 Resp: 45809
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 13.8 2.2 3.2





#90
Benzo(a)pyrene
Concen: 7.039 ng m
RT: 25.457 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG059778.D
Acq: 20 Nov 2023 21:09

Instrument :
BNA_G
ClientSampleId :
OK-01-111023



Tgt Ion:252 Resp: 8136
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 9.5 2.0 3.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

