

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061077.D
 Acq On : 1 May 2024 15:22
 Operator : MA/JU
 Sample : P2307-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024

Quant Time: May 01 16:35:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	28381	20.000	ng	-0.03
21) Naphthalene-d8	10.725	136	109998	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	83009	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	189326	20.000	ng	-0.02
76) Chrysene-d12	21.566	240	183589	20.000	ng	-0.03
86) Perylene-d12	24.691	264	230030	20.000	ng	#-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	120227	86.153	ng	-0.02
7) Phenol-d6	7.106	99	158273	76.668	ng	-0.03
23) Nitrobenzene-d5	9.086	82	116591	52.543	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	125495	75.636	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	318487	56.735	ng	-0.02
79) Terphenyl-d14	19.932	244	577830	52.346	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.353	178	58258	6.730	ng	97
75) Fluoranthene	19.362	202	177211	14.942	ng	99
78) Pyrene	19.727	202	171219	14.669	ng	99
81) Benzo(a)anthracene	21.548	228	98749	8.220	ng	98
83) Chrysene	21.613	228	99854	8.872	ng	96
87) Indeno(1,2,3-cd)pyrene	28.223	276	64127	4.207	ng	# 58
88) Benzo(b)fluoranthene	23.704	252	146459	11.394	ng	99
89) Benzo(k)fluoranthene	23.769	252	46128m	3.730	ng	
90) Benzo(a)pyrene	24.545	252	96779	8.642	ng	99
92) Benzo(g,h,i)perylene	29.315	276	71682m	5.714	ng	

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

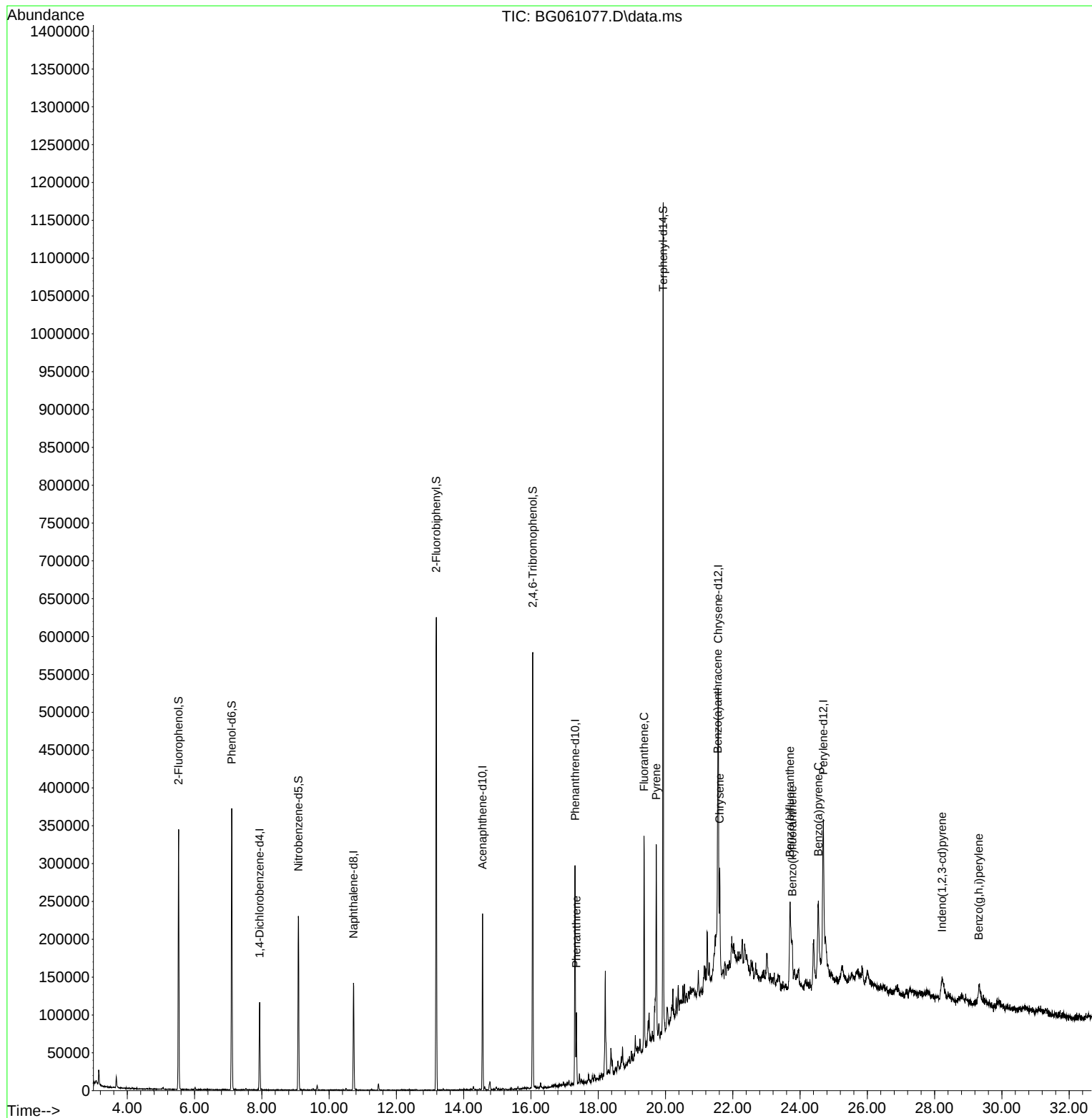
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061077.D
Acq On : 1 May 2024 15:22
Operator : MA/JU
Sample : P2307-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

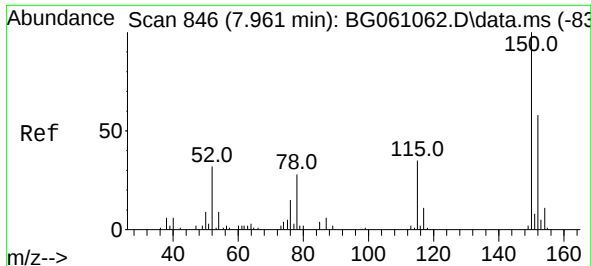
Instrument :
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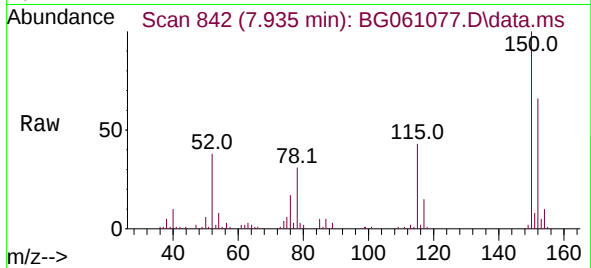
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061077.D
Acq: 1 May 2024 15:22

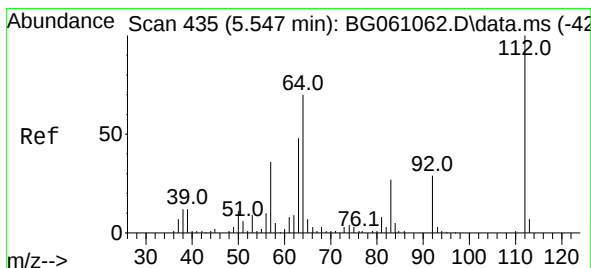
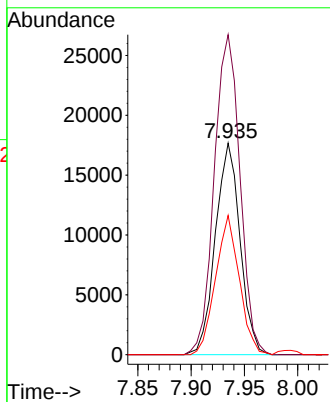
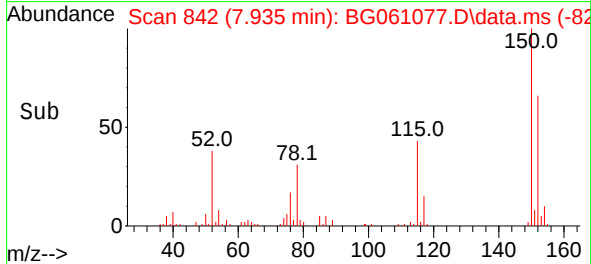
Instrument :
BNA_G
ClientSampleId :
WC-3



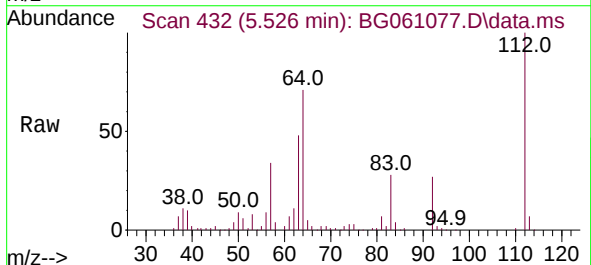
Tgt Ion:152 Resp: 2838
Ion Ratio Lower Upper
152 100
150 151.3 138.3 207.5
115 65.8 48.0 72.0

Manual Integrations
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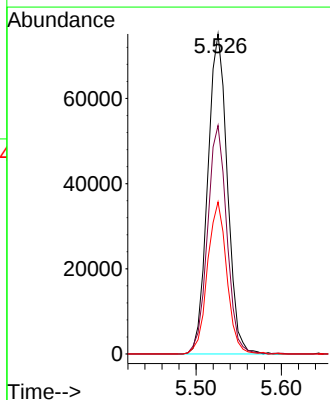
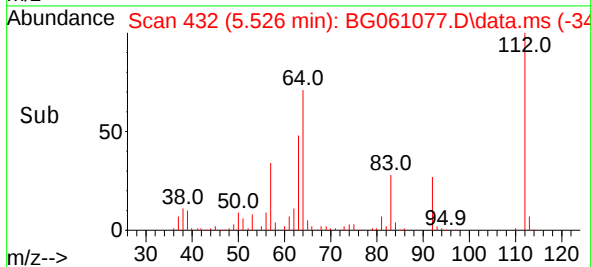
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

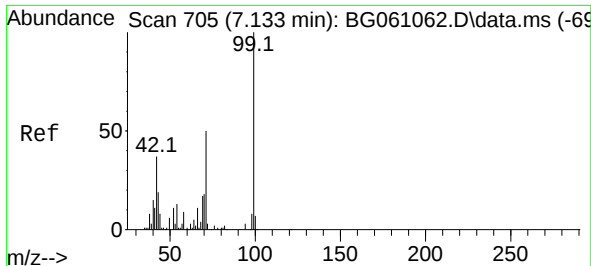


#5
2-Fluorophenol
Concen: 86.153 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061077.D
Acq: 1 May 2024 15:22



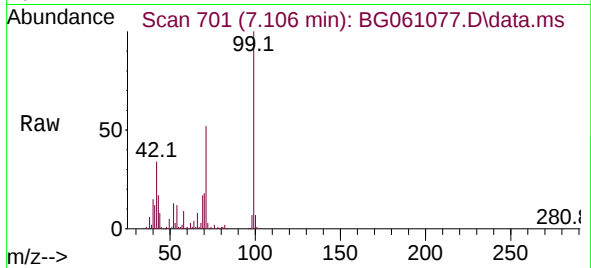
Tgt Ion:112 Resp: 120227
Ion Ratio Lower Upper
112 100
64 71.4 55.7 83.5
63 47.5 38.1 57.1





#7
Phenol-d6
Concen: 76.668 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061077.D
Acq: 1 May 2024 15:22

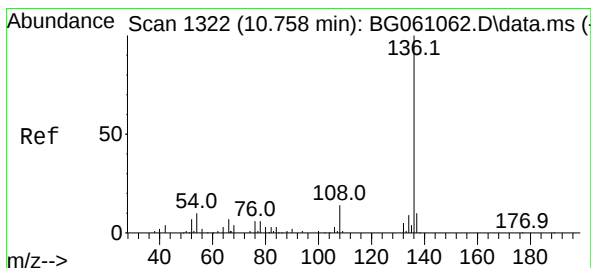
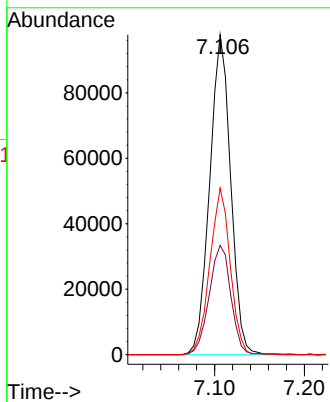
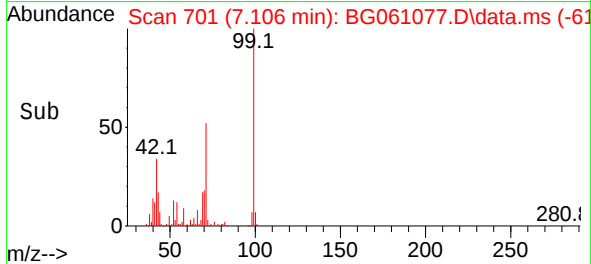
Instrument :
BNA_G
ClientSampleId :
WC-3



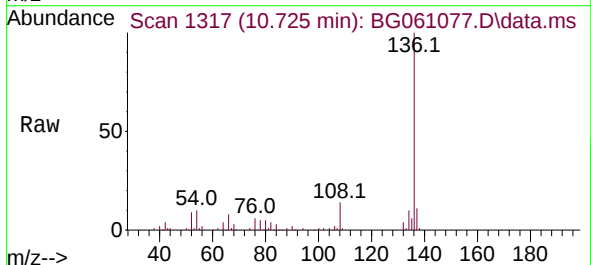
Tgt Ion: 99 Resp: 158273
Ion Ratio Lower Upper
99 100
42 34.1 29.2 43.8
71 52.1 39.7 59.5

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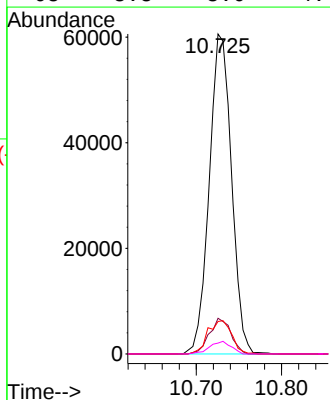
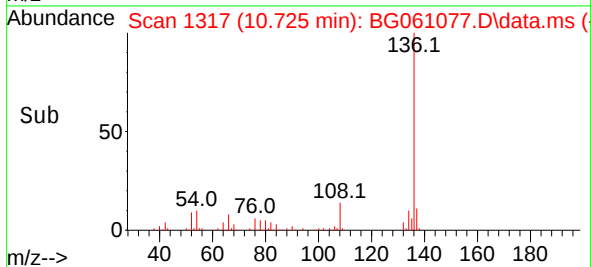
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

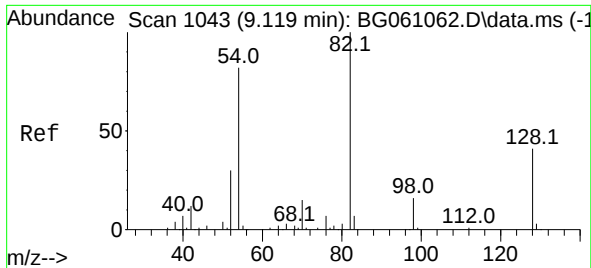


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1317
Delta R.T. -0.033 min
Lab File: BG061077.D
Acq: 1 May 2024 15:22



Tgt Ion:136 Resp: 109998
Ion Ratio Lower Upper
136 100
137 11.1 7.8 11.6
54 10.1 8.1 12.1
68 3.8 3.0 4.4





#23

Nitrobenzene-d5

Concen: 52.543 ng

RT: 9.086 min Scan# 11659

Delta R.T. -0.033 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

Instrument :

BNA_G

ClientSampleId :

WC-3

Tgt Ion: 82 Resp: 11659

Ion Ratio Lower Upper

82 100

128 39.0 32.7 49.1

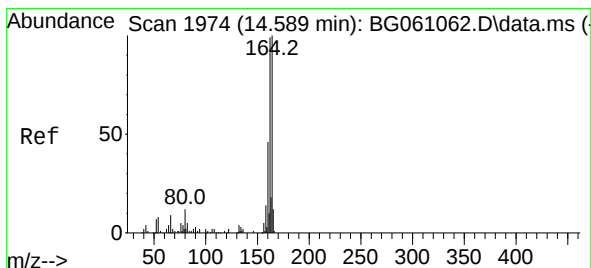
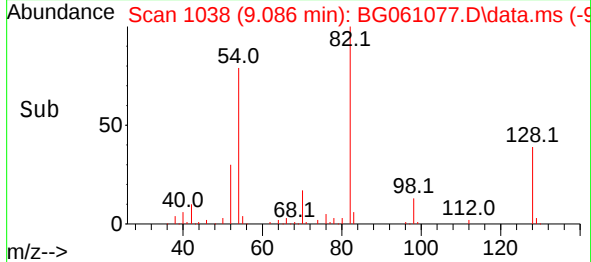
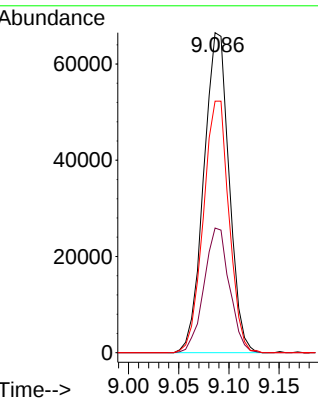
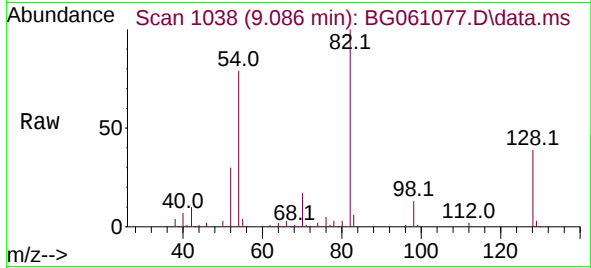
54 78.6 65.6 98.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1970

Delta R.T. -0.027 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

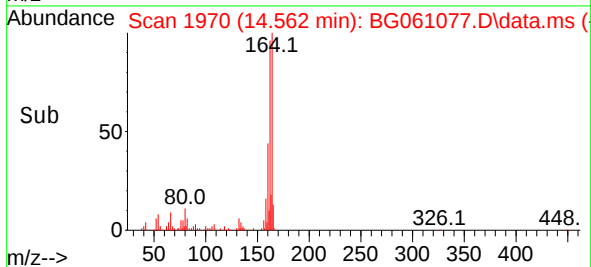
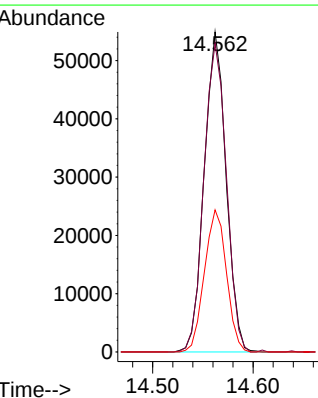
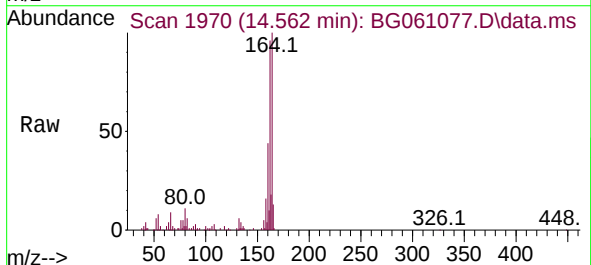
Tgt Ion:164 Resp: 83009

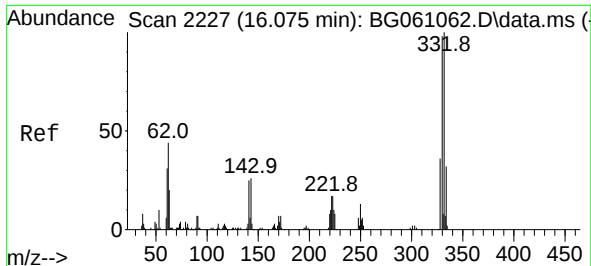
Ion Ratio Lower Upper

164 100

162 96.4 79.4 119.2

160 44.4 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 75.636 ng

RT: 16.055 min Scan# 21

Delta R.T. -0.021 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

Instrument :

BNA_G

ClientSampleId :

WC-3

Tgt Ion:330 Resp: 12549

Ion Ratio Lower Upper

330 100

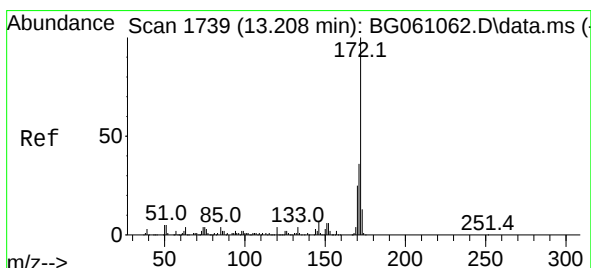
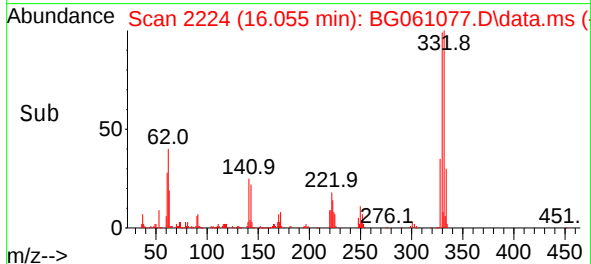
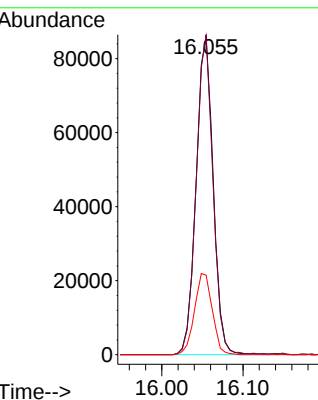
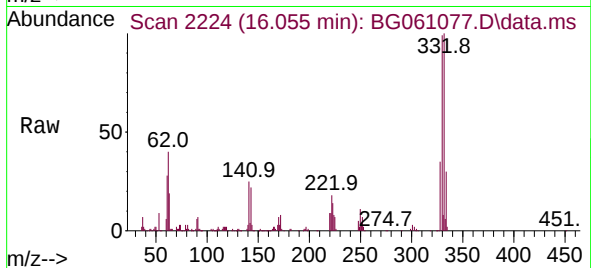
332 98.1 78.6 117.8

141 26.5 20.5 30.7

Manual Integrations

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Supervised By :mohammad ahmed 05/06/2024



#45

2-Fluorobiphenyl

Concen: 56.735 ng

RT: 13.187 min Scan# 1736

Delta R.T. -0.021 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

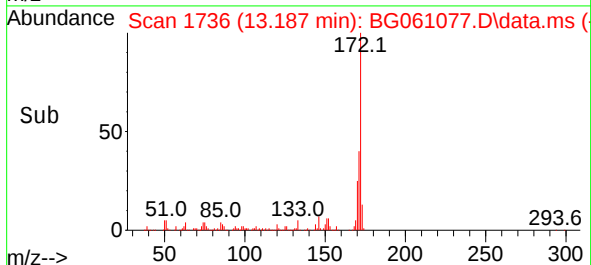
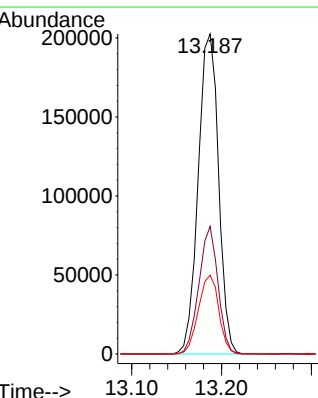
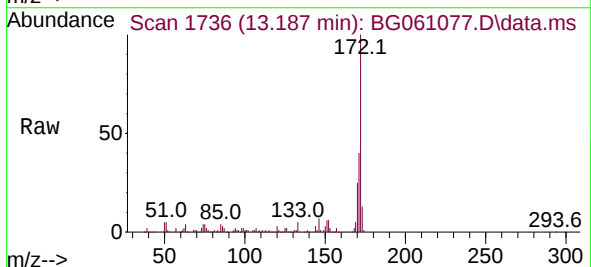
Tgt Ion:172 Resp: 318487

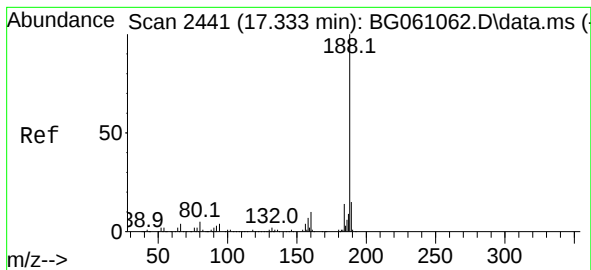
Ion Ratio Lower Upper

172 100

171 39.9 29.0 43.6

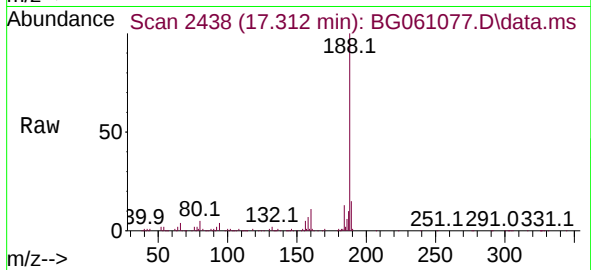
170 24.6 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.312 min Scan# 2438
Delta R.T. -0.021 min
Lab File: BG061077.D
Acq: 1 May 2024 15:22

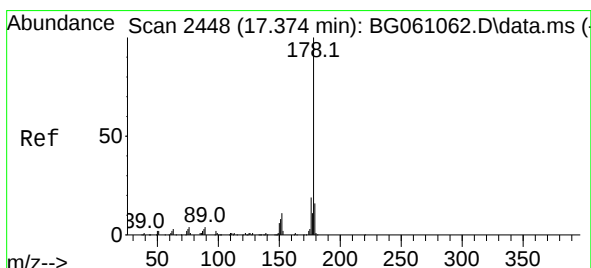
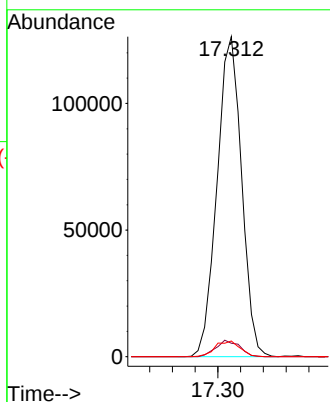
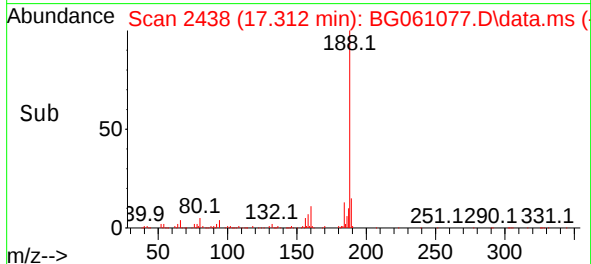
Instrument :
BNA_G
ClientSampleId :
WC-3



Tgt Ion:188 Resp: 189320
Ion Ratio Lower Upper
188 100
94 4.2 3.6 5.4
80 4.9 4.2 6.2

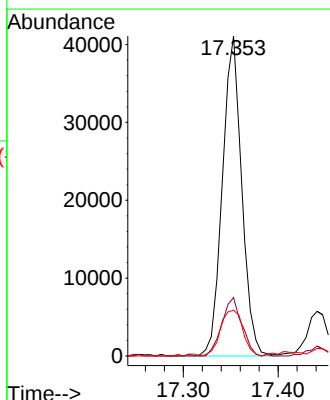
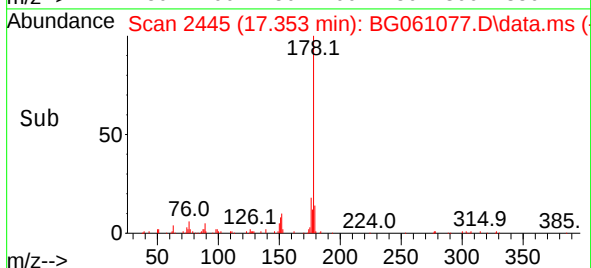
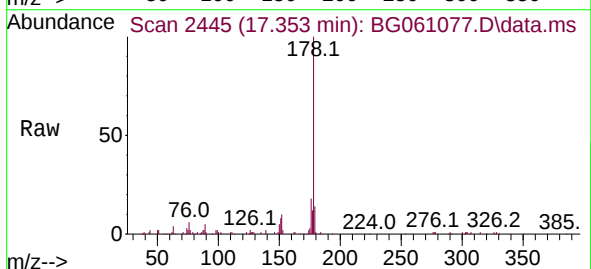
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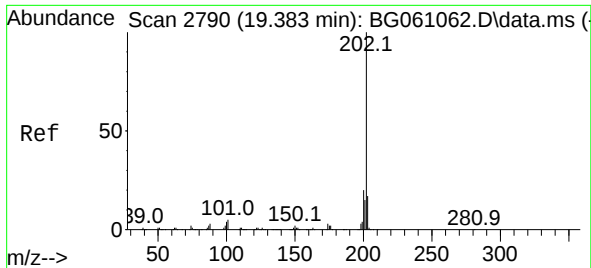
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 6.730 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061077.D
Acq: 1 May 2024 15:22

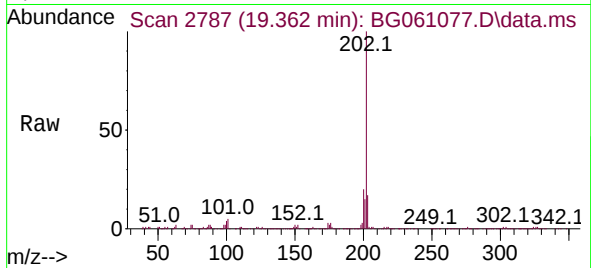
Tgt Ion:178 Resp: 58258
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 14.3 12.6 19.0





#75
Fluoranthene
Concen: 14.942 ng
RT: 19.362 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061077.D
Acq: 1 May 2024 15:22

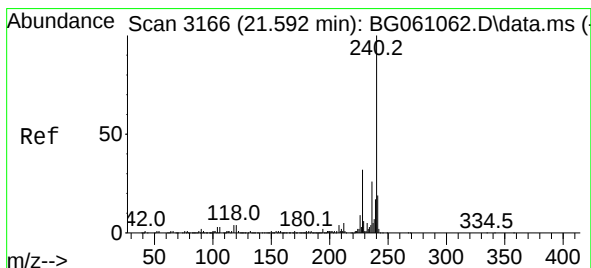
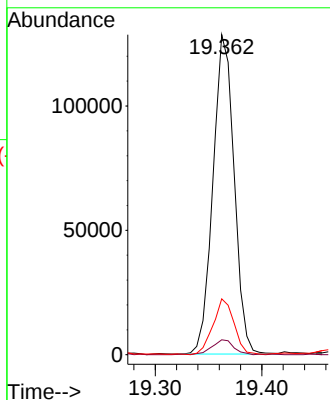
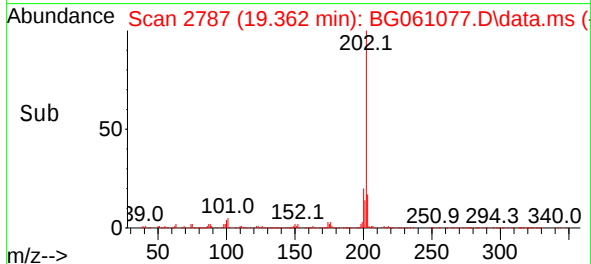
Instrument :
BNA_G
ClientSampleId :
WC-3



Tgt Ion:202 Resp: 17721
Ion Ratio Lower Upper
202 100
101 4.7 0.0 24.7
203 17.4 0.0 37.1

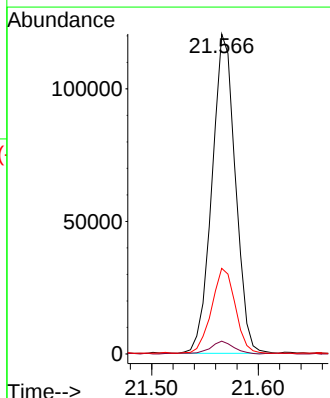
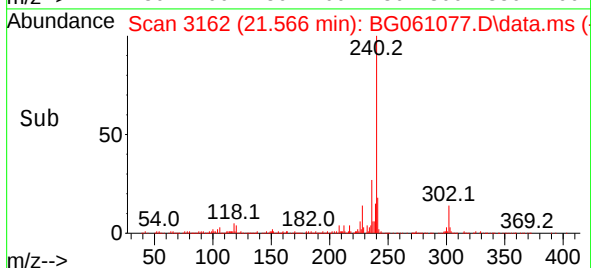
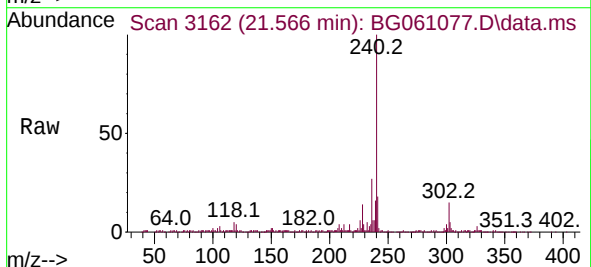
Manual Integrations
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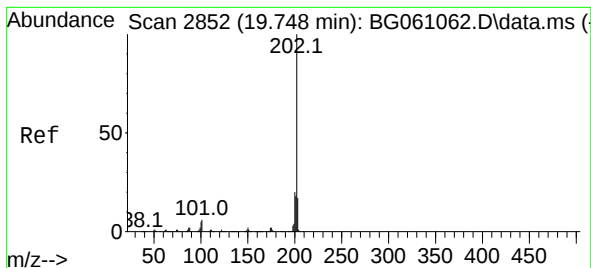
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.566 min Scan# 3162
Delta R.T. -0.027 min
Lab File: BG061077.D
Acq: 1 May 2024 15:22

Tgt Ion:240 Resp: 183589
Ion Ratio Lower Upper
240 100
120 4.0 3.2 4.8
236 26.7 21.0 31.6





#78

Pyrene

Concen: 14.669 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

Instrument :

BNA_G

ClientSampleId :

WC-3

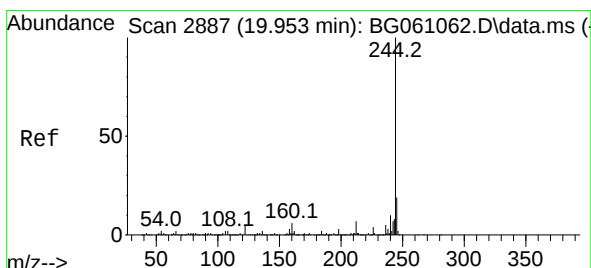
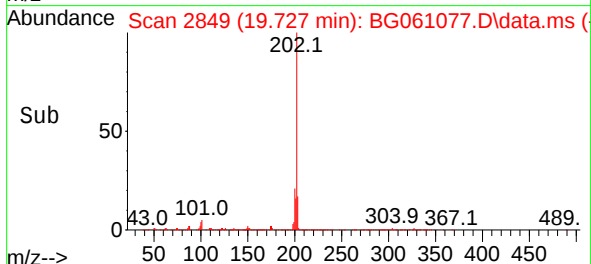
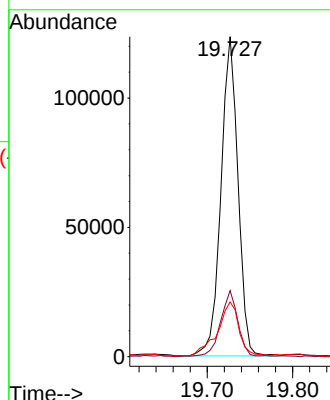
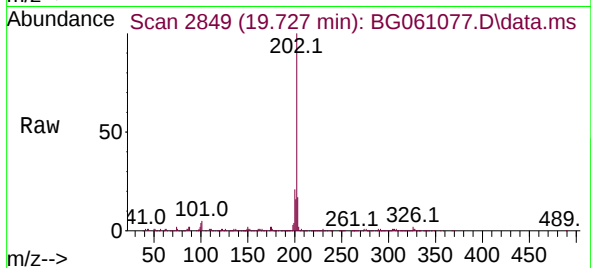
Tgt Ion:202 Resp: 171219

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.2	24.4
203	17.1	13.3	19.9

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#79

Terphenyl-d14

Concen: 52.346 ng

RT: 19.932 min Scan# 2884

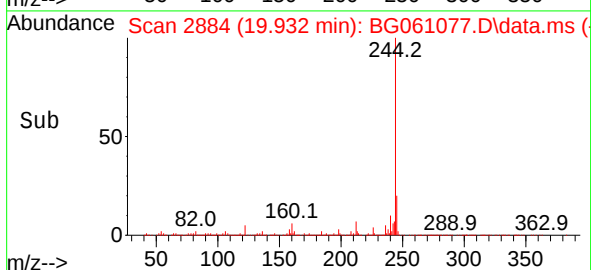
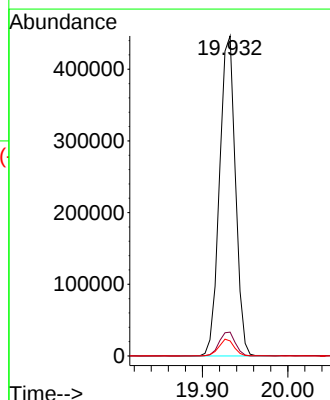
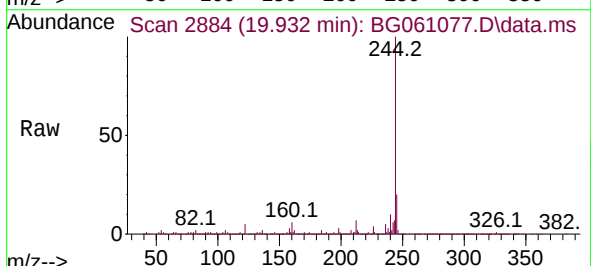
Delta R.T. -0.021 min

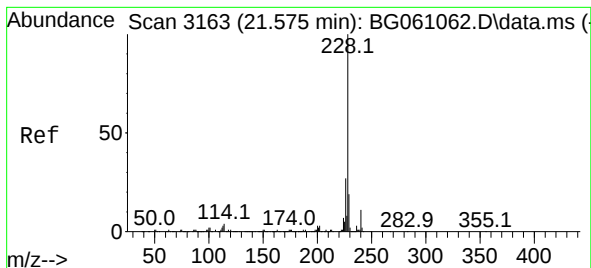
Lab File: BG061077.D

Acq: 1 May 2024 15:22

Tgt Ion:244 Resp: 577830

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	4.7	4.2	6.2





#81

Benzo(a)anthracene

Concen: 8.220 ng

RT: 21.548 min Scan# 3159

Delta R.T. -0.027 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

Instrument :

BNA_G

ClientSampleId :

WC-3

Tgt Ion:228 Resp: 98749

Ion Ratio Lower Upper

228 100

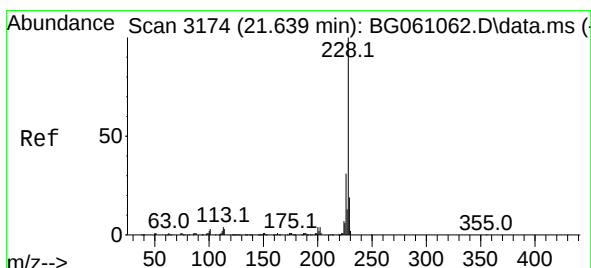
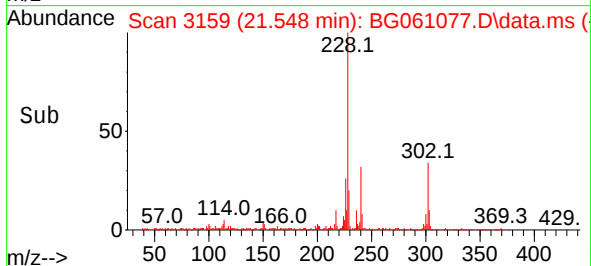
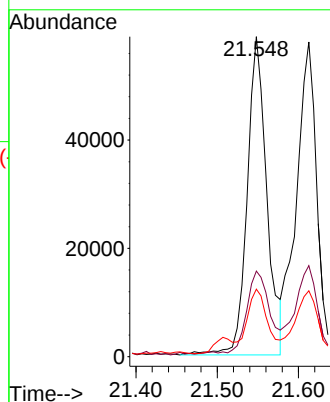
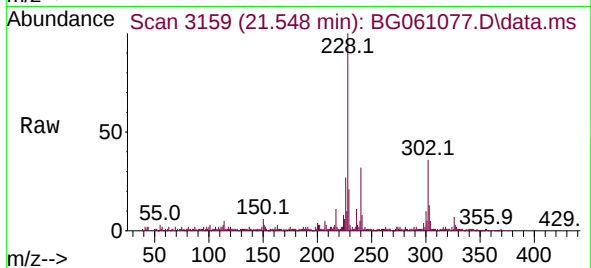
226 26.7 21.6 32.4

229 21.1 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#83

Chrysene

Concen: 8.872 ng

RT: 21.613 min Scan# 3170

Delta R.T. -0.027 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

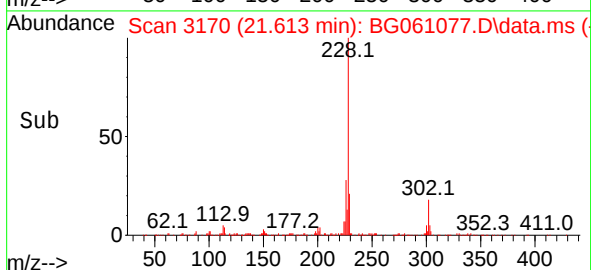
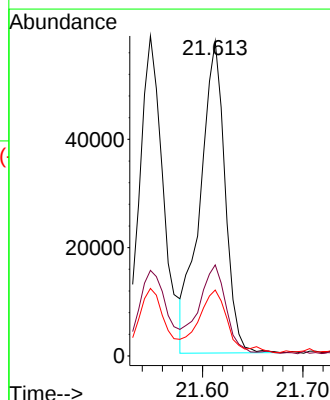
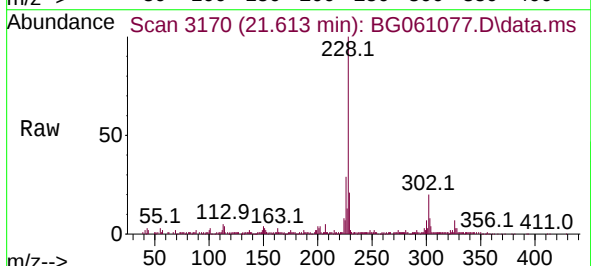
Tgt Ion:228 Resp: 99854

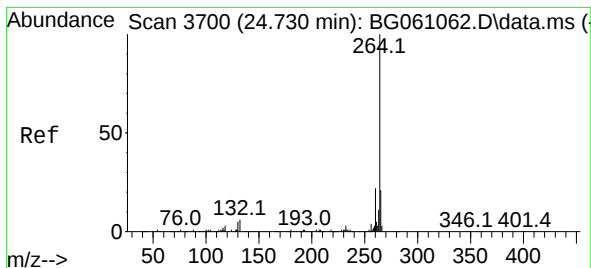
Ion Ratio Lower Upper

228 100

226 28.9 24.4 36.6

229 21.0 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.691 min Scan# 30

Delta R.T. -0.039 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

Instrument :

BNA_G

ClientSampleId :

WC-3

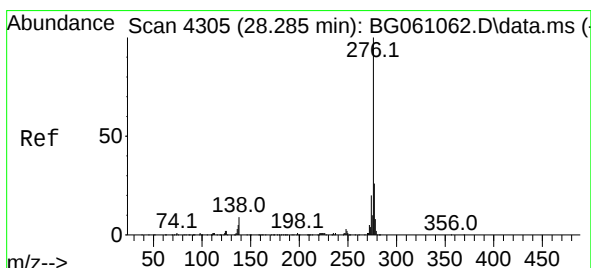
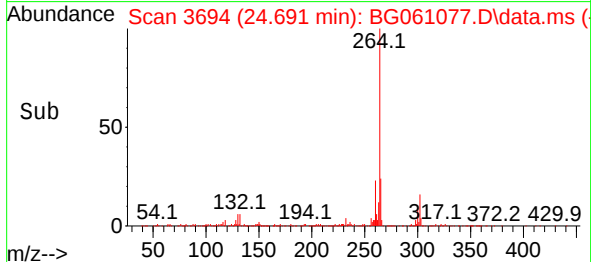
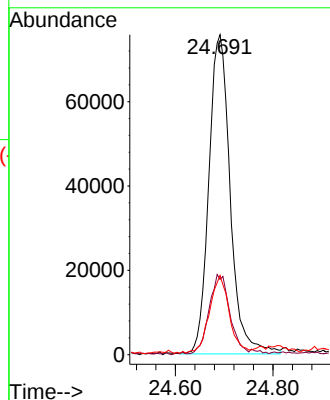
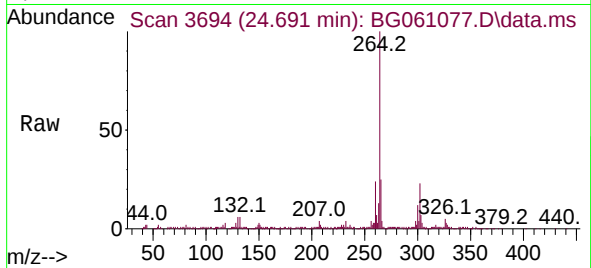
Tgt Ion:264 Resp: 230030

Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.7	26.5
265	24.8	16.4	24.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.207 ng

RT: 28.223 min Scan# 4295

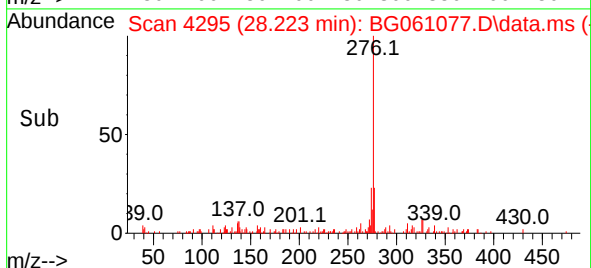
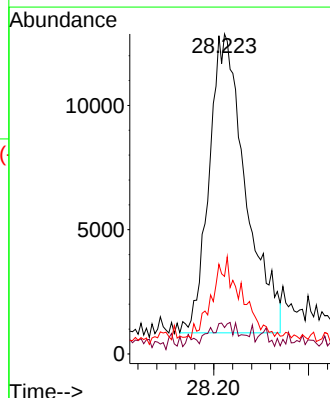
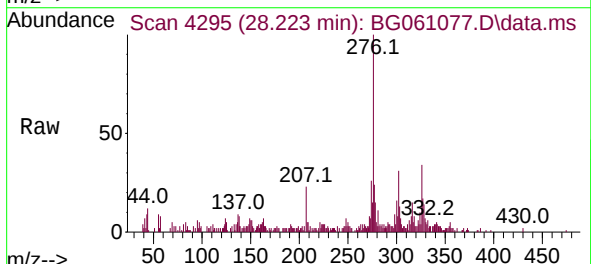
Delta R.T. -0.062 min

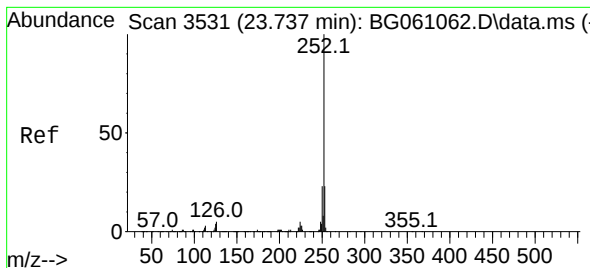
Lab File: BG061077.D

Acq: 1 May 2024 15:22

Tgt Ion:276 Resp: 64127

Ion	Ratio	Lower	Upper
276	100		
138	4.7	5.1	7.7#
277	0.0	20.6	30.8#





#88

Benzo(b)fluoranthene

Concen: 11.394 ng

RT: 23.704 min Scan# 3526

Delta R.T. -0.033 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

Instrument :

BNA_G

ClientSampleId :

WC-3

Tgt Ion:252 Resp: 14645

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

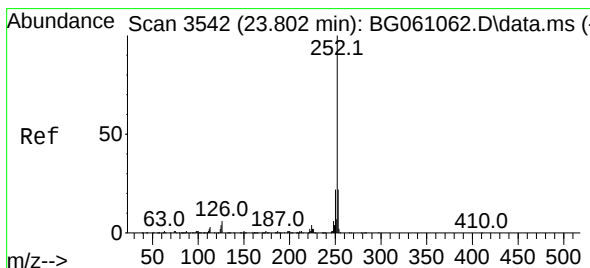
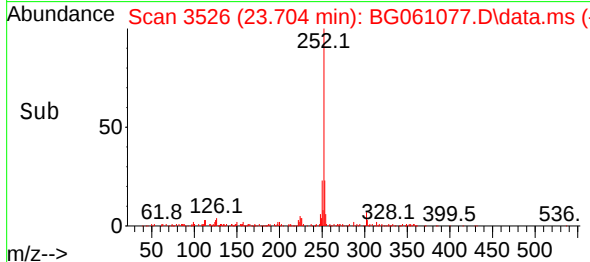
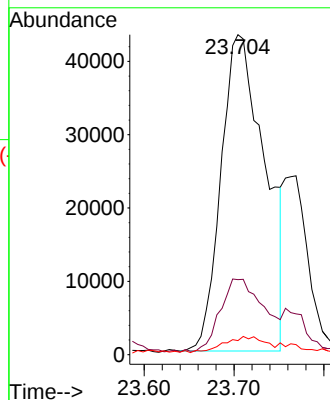
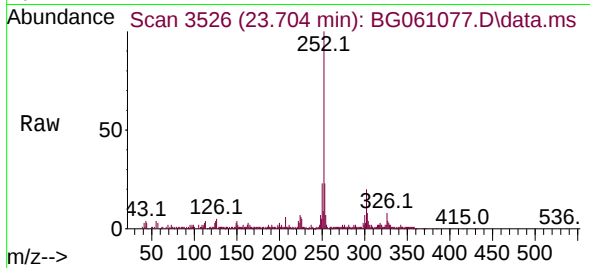
125 4.4 3.4 5.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024

Supervised By :mohammad ahmed 05/06/2024



#89

Benzo(k)fluoranthene

Concen: 3.730 ng m

RT: 23.769 min Scan# 3537

Delta R.T. -0.033 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

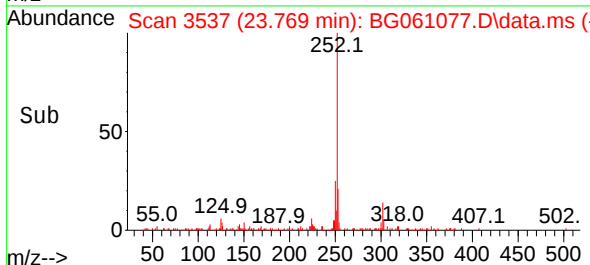
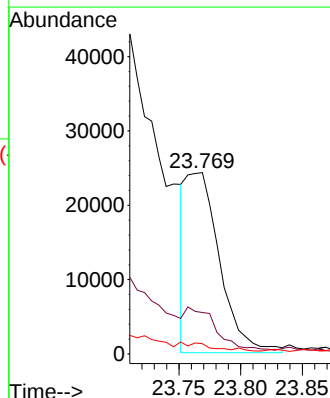
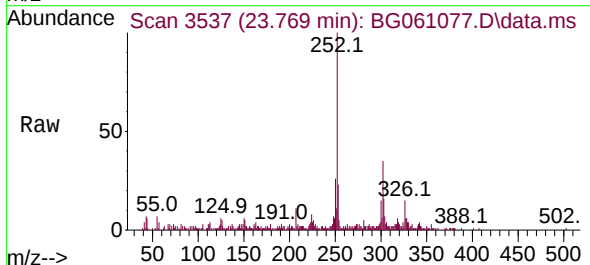
Tgt Ion:252 Resp: 46128

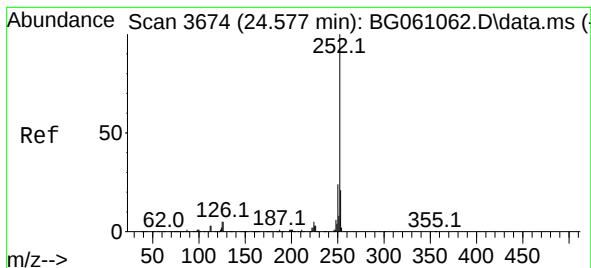
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 5.6 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 8.642 ng

RT: 24.545 min Scan# 30

Delta R.T. -0.033 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

Instrument :

BNA_G

ClientSampleId :

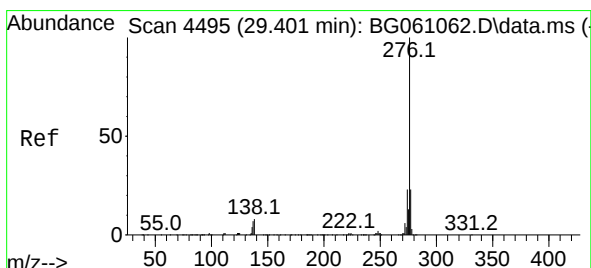
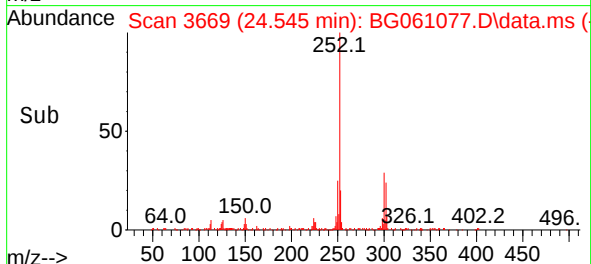
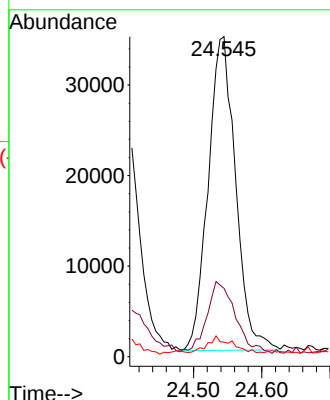
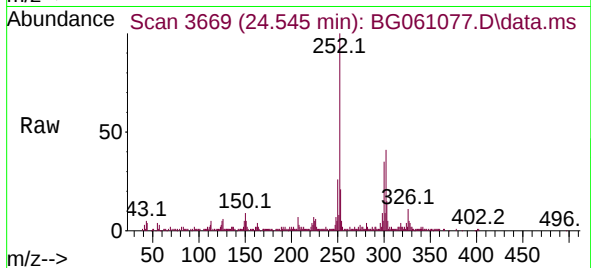
WC-3

Tgt Ion:252 Resp: 96779
 Ion Ratio Lower Upper
 252 100
 253 21.4 16.9 25.3
 125 4.5 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024



#92

Benzo(g,h,i)perylene

Concen: 5.714 ng m

RT: 29.315 min Scan# 4481

Delta R.T. -0.086 min

Lab File: BG061077.D

Acq: 1 May 2024 15:22

Tgt Ion:276 Resp: 71682
 Ion Ratio Lower Upper
 276 100
 277 25.6 18.2 27.4
 138 10.7 6.2 9.2#

