

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061235.D
 Acq On : 17 May 2024 12:27
 Operator : MA/JU
 Sample : P2487-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 17 13:10:02 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	7.926	152	27155	20.000	ng	-0.04
21) Naphthalene-d8	10.723	136	105688	20.000	ng	#-0.04
39) Acenaphthene-d10	14.559	164	83471	20.000	ng	-0.03
64) Phenanthrene-d10	17.309	188	193516	20.000	ng	-0.02
76) Chrysene-d12	21.569	240	189653	20.000	ng	-0.02
86) Perylene-d12	24.695	264	226336	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.523	112	39545	29.617	ng	-0.02
7) Phenol-d6	7.109	99	52965	26.815	ng	-0.02
23) Nitrobenzene-d5	9.083	82	36610	17.172	ng	-0.04
42) 2,4,6-Tribromophenol	16.052	330	82111	49.214	ng	-0.02
45) 2-Fluorobiphenyl	13.179	172	97804m	17.326	ng	-0.03
79) Terphenyl-d14	19.924	244	509688	44.697	ng	-0.03
Target Compounds						Qvalue
71) Phenanthrene	17.350	178	110471	12.485	ng	98
72) Anthracene	17.438	178	22000m	2.492	ng	
75) Fluoranthene	19.366	202	216813	17.886	ng	99
78) Pyrene	19.724	202	206517	17.128	ng	97
81) Benzo(a)anthracene	21.551	228	114960	9.263	ng	99
83) Chrysene	21.610	228	112056m	9.637	ng	
87) Indeno(1,2,3-cd)pyrene	28.232	276	70049	4.670	ng	# 90
88) Benzo(b)fluoranthene	23.708	252	131249	10.377	ng	96
89) Benzo(k)fluoranthene	23.766	252	45567m	3.745	ng	
90) Benzo(a)pyrene	24.548	252	98390	8.929	ng	# 92
92) Benzo(g,h,i)perylene	29.342	276	72660	5.886	ng	# 96

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

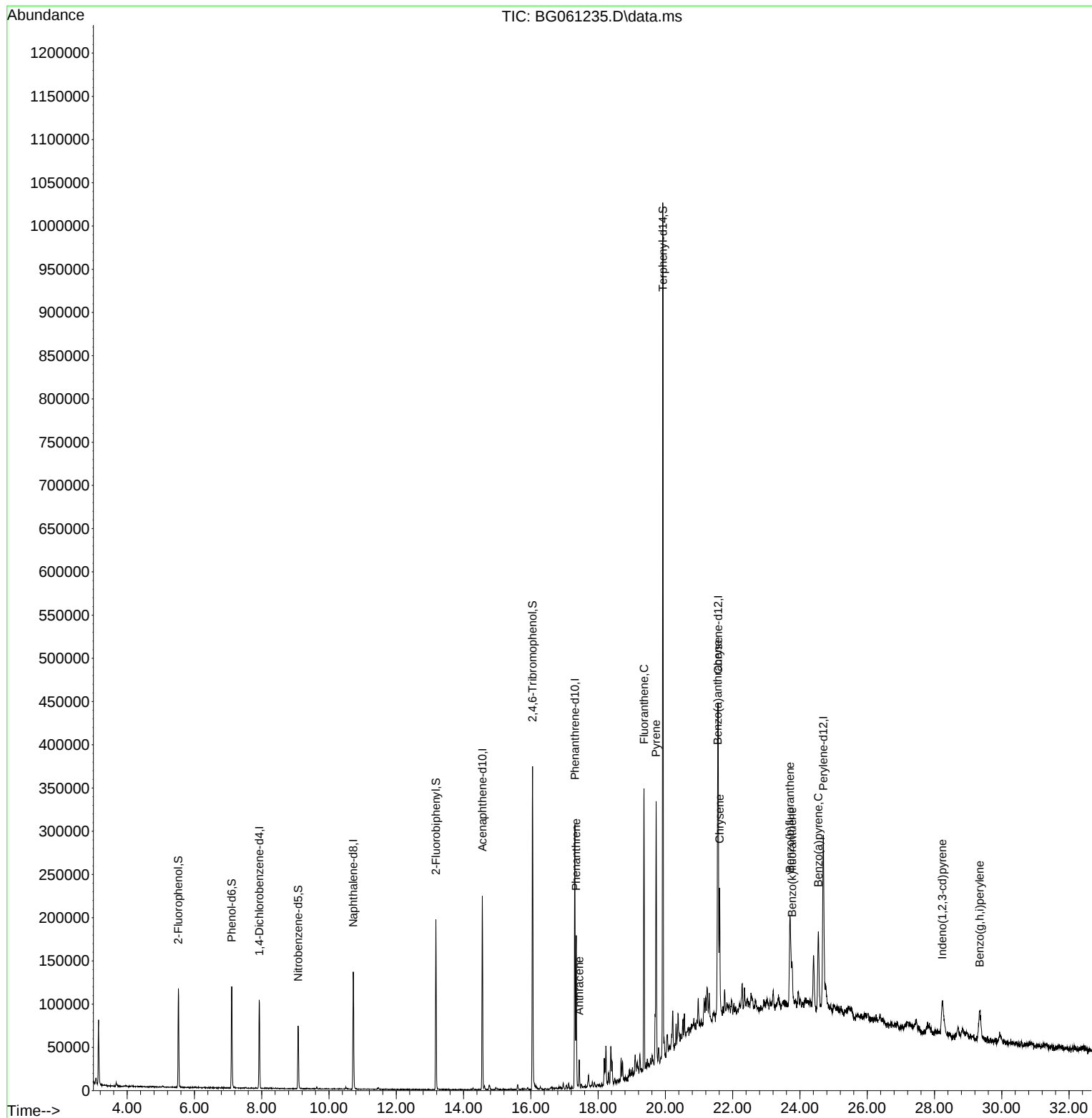
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
Data File : BG061235.D
Acq On : 17 May 2024 12:27
Operator : MA/JU
Sample : P2487-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

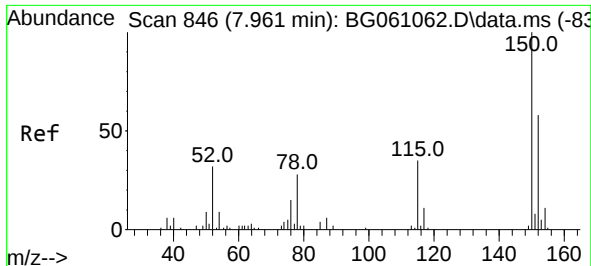
Instrument :
BNA_G
ClientSampleId :
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Quant Time: May 17 13:10:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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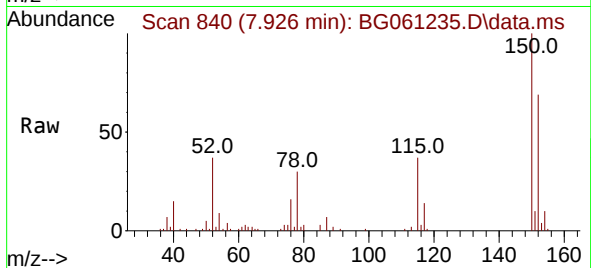
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.926 min Scan# 846
Delta R.T. -0.035 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

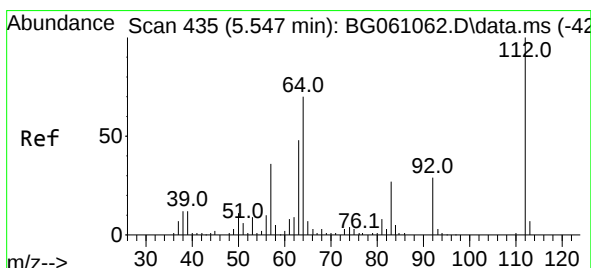
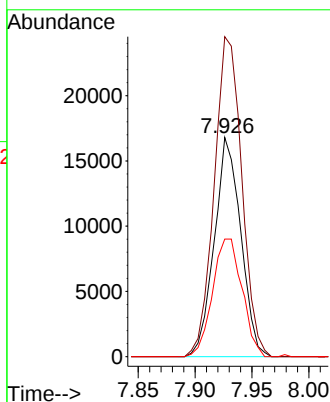
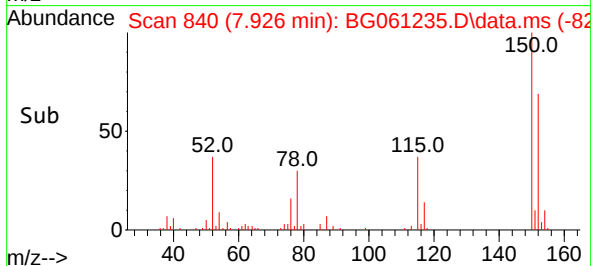


Tgt Ion:152 Resp: 2715
Ion Ratio Lower Upper
152 100
150 146.0 138.3 207.5
115 53.7 48.0 72.0

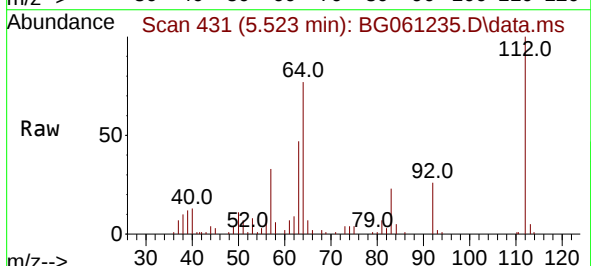
Manual Integrations

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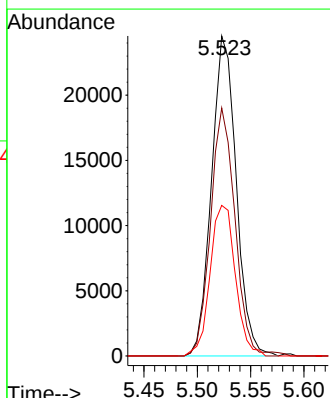
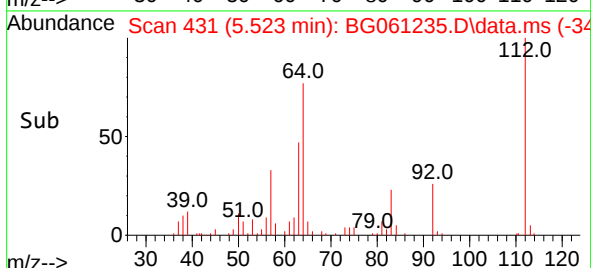
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

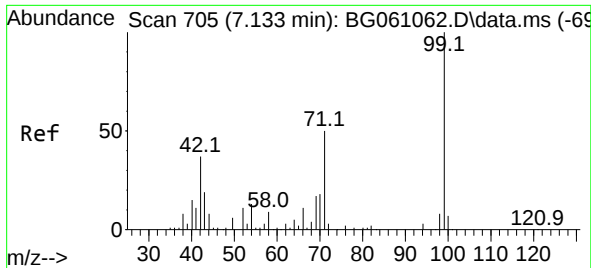


#5
2-Fluorophenol
Concen: 29.617 ng
RT: 5.523 min Scan# 431
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27



Tgt Ion:112 Resp: 39545
Ion Ratio Lower Upper
112 100
64 77.5 55.7 83.5
63 47.1 38.1 57.1





#7
Phenol-d6
Concen: 26.815 ng
RT: 7.109 min Scan# 705
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

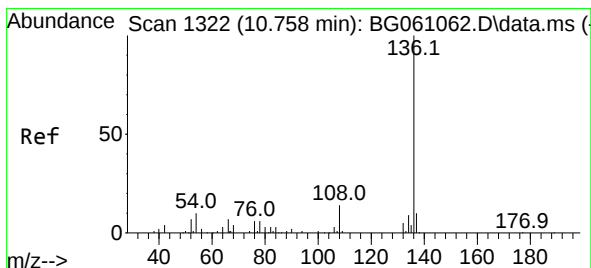
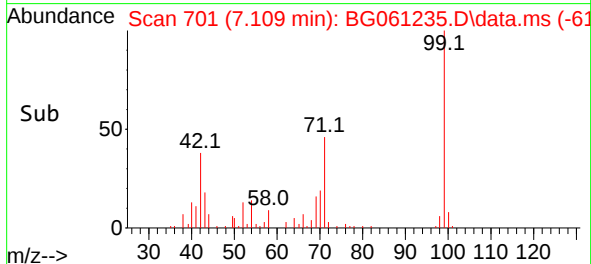
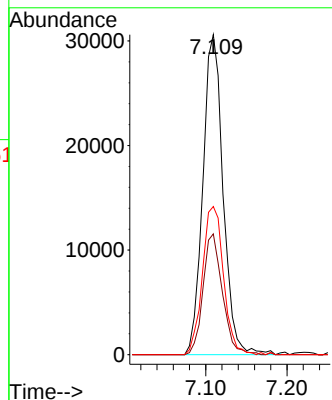
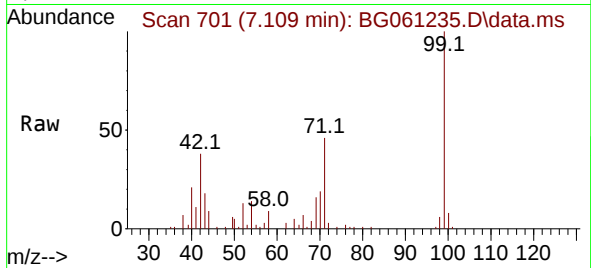
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Tgt Ion: 99 Resp: 5296
Ion Ratio Lower Upper
99 100
42 37.7 29.2 43.8
71 46.3 39.7 59.5

Manual Integrations

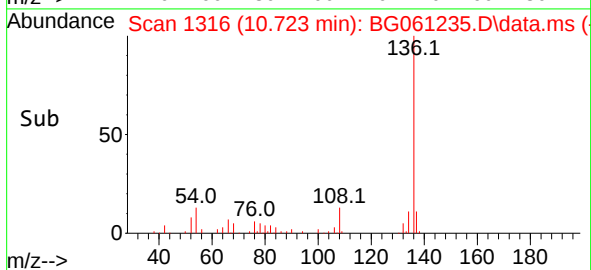
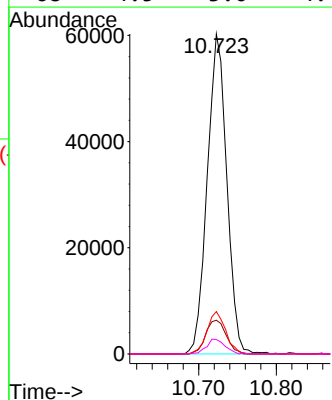
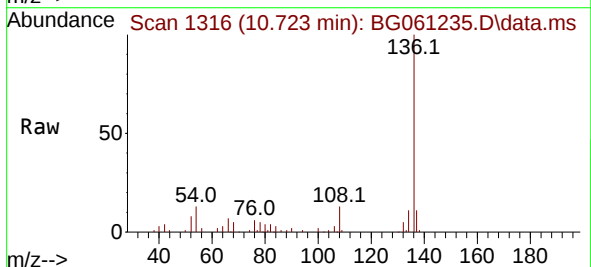
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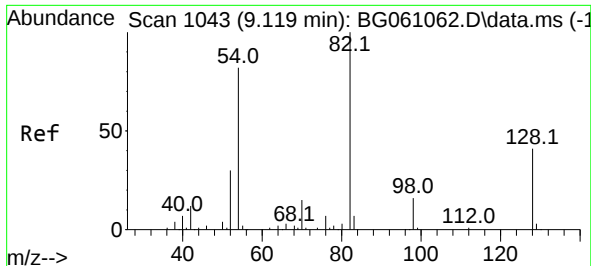
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.723 min Scan# 1316
Delta R.T. -0.035 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:136 Resp: 105688
Ion Ratio Lower Upper
136 100
137 10.6 7.8 11.6
54 13.2 8.1 12.1#
68 4.5 3.0 4.4#





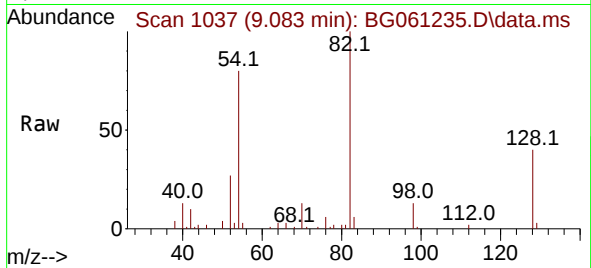
#23
Nitrobenzene-d5
Concen: 17.172 ng
RT: 9.083 min Scan# 1043
Delta R.T. -0.035 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

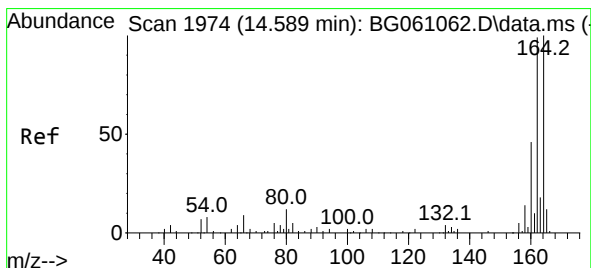
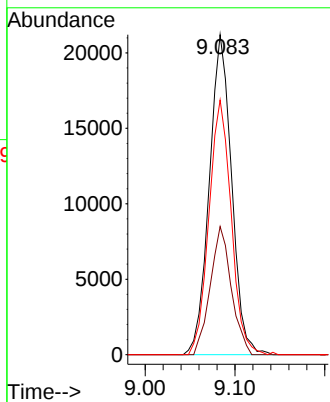
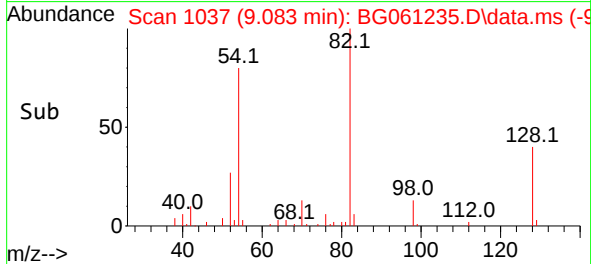


Tgt Ion: 82 Resp: 36610
Ion Ratio Lower Upper
82 100
128 40.0 32.7 49.1
54 79.6 65.6 98.4

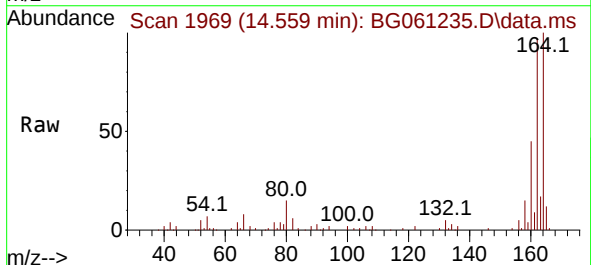
Manual Integrations

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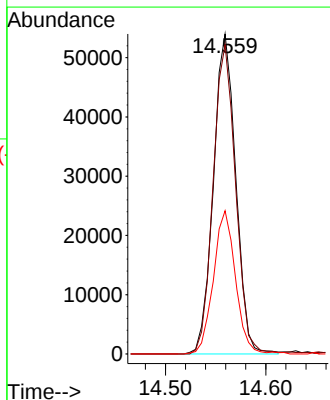
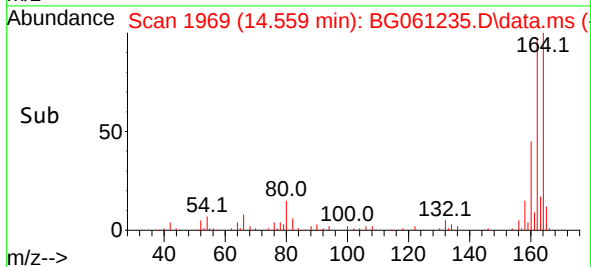
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

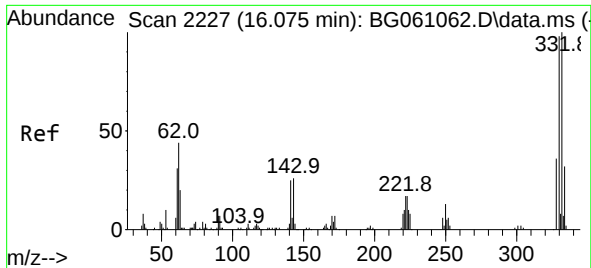


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.559 min Scan# 1969
Delta R.T. -0.030 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27



Tgt Ion:164 Resp: 83471
Ion Ratio Lower Upper
164 100
162 96.6 79.4 119.2
160 44.7 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 49.214 ng
RT: 16.052 min Scan# 211
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

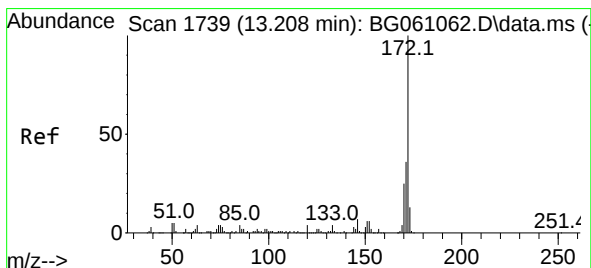
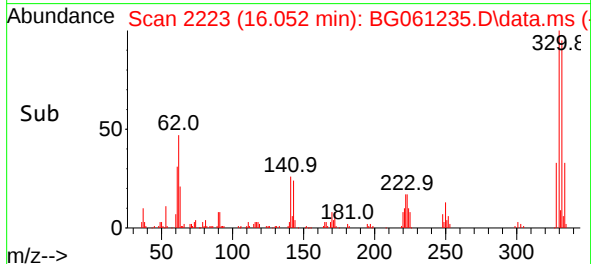
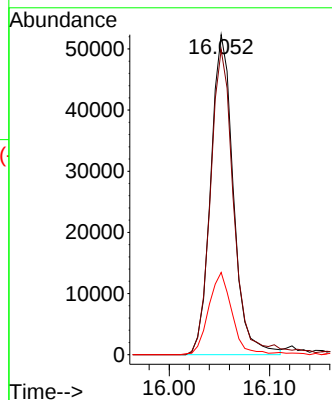
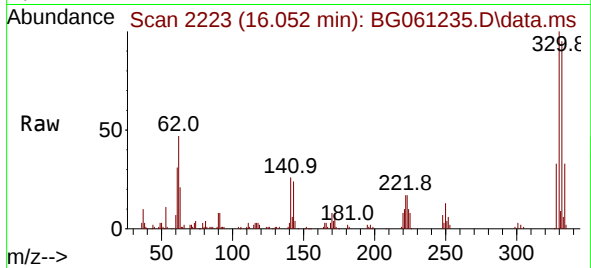
WC-A-COMP

Tgt Ion:330 Resp: 8211
Ion Ratio Lower Upper
330 100
332 98.7 78.6 117.8
141 26.4 20.5 30.7

Manual Integrations

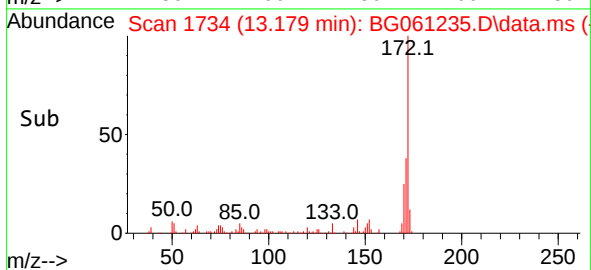
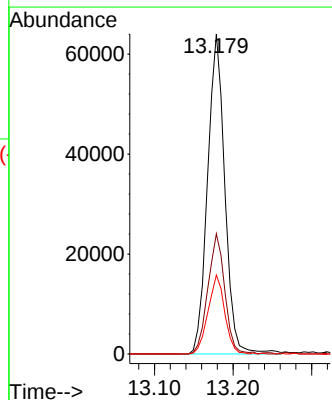
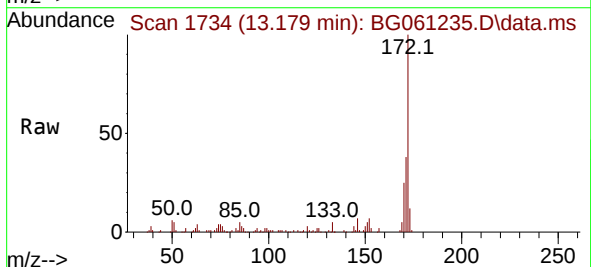
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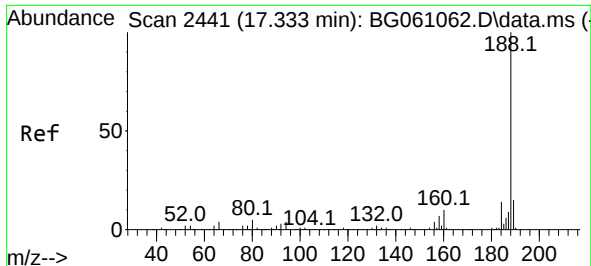
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#45
2-Fluorobiphenyl
Concen: 17.326 ng m
RT: 13.179 min Scan# 1734
Delta R.T. -0.029 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:172 Resp: 97804
Ion Ratio Lower Upper
172 100
171 37.5 29.0 43.6
170 24.7 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

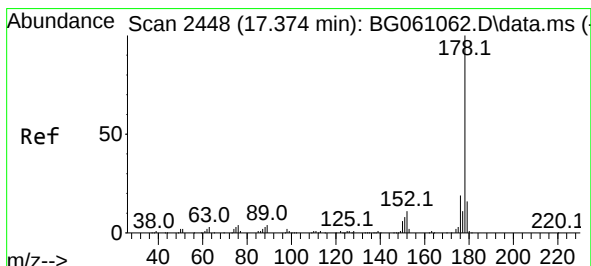
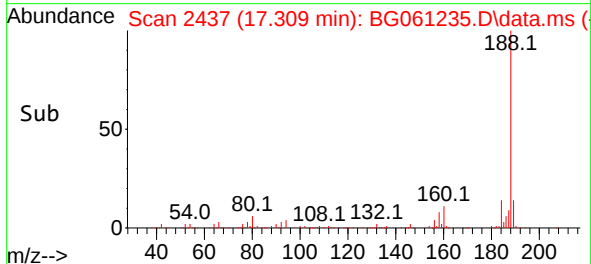
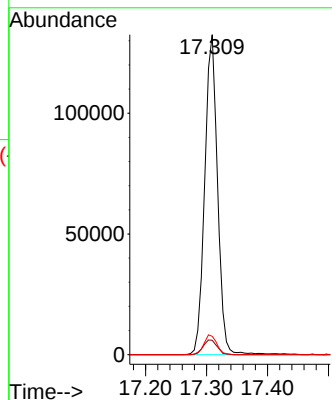
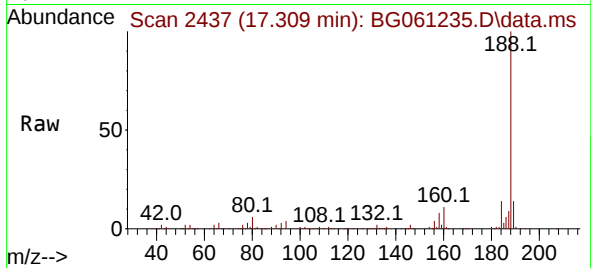
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Tgt Ion:188 Resp: 193510
Ion Ratio Lower Upper
188 100
94 4.5 3.6 5.4
80 5.7 4.2 6.2

Manual Integrations

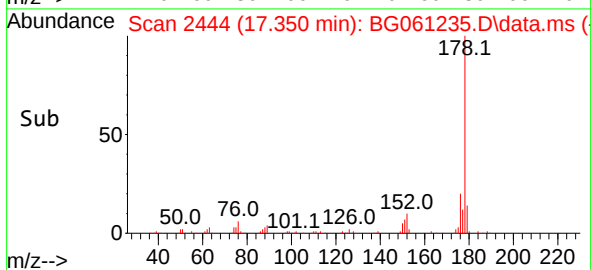
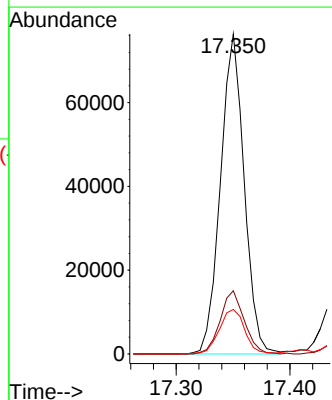
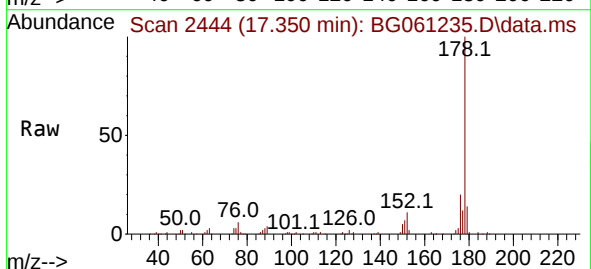
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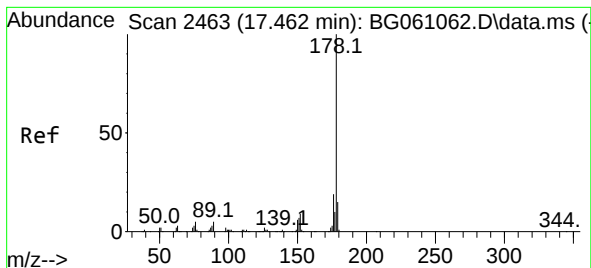
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#71
Phenanthrene
Concen: 12.485 ng
RT: 17.350 min Scan# 2444
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:178 Resp: 110471
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 13.9 12.6 19.0





#72

Anthracene

Concen: 2.492 ng m

RT: 17.438 min Scan# 24

Delta R.T. -0.024 min

Lab File: BG061235.D

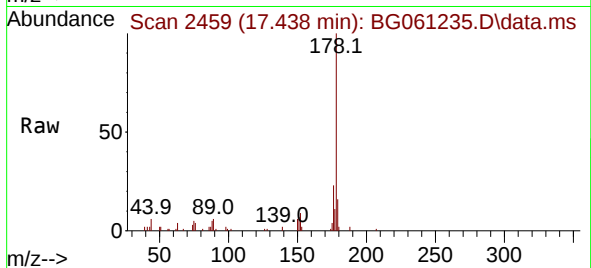
Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP



Tgt Ion:178 Resp: 22000

Ion Ratio Lower Upper

178 100

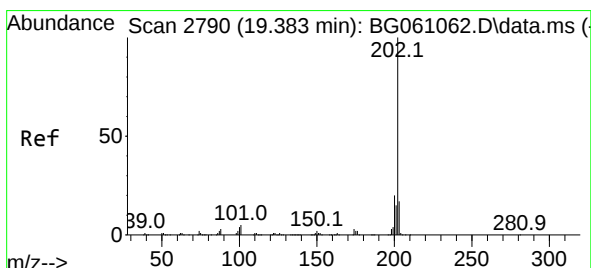
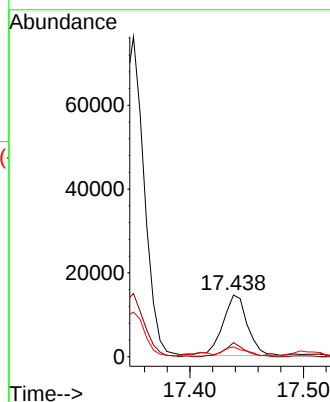
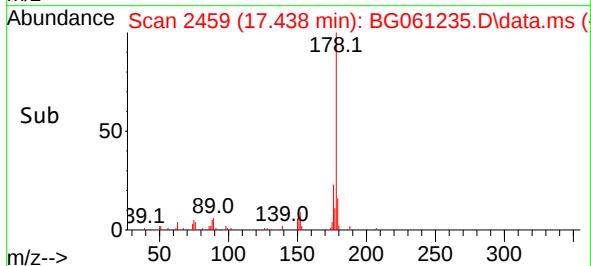
176 22.9 15.0 22.6

179 15.8 12.0 18.0

Manual Integrations

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Supervised By :mohammad ahmed 05/22/2024



#75

Fluoranthene

Concen: 17.886 ng

RT: 19.366 min Scan# 2787

Delta R.T. -0.018 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

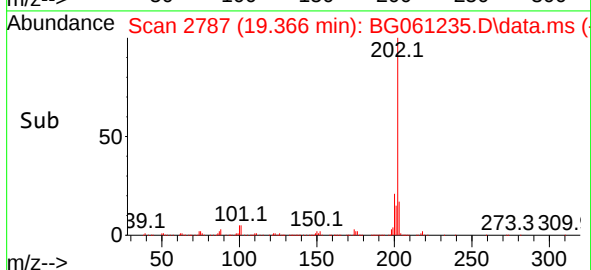
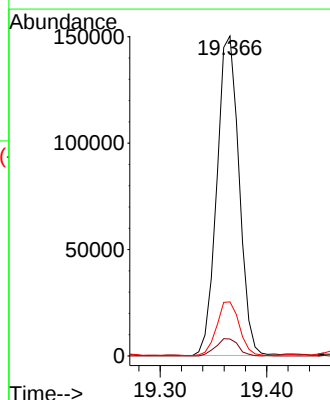
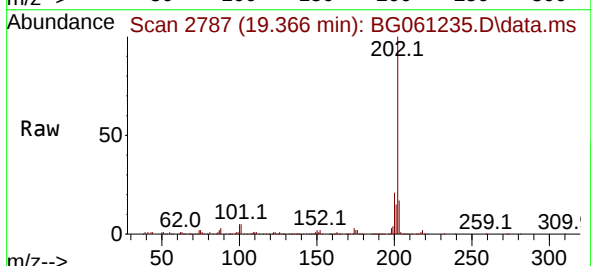
Tgt Ion:202 Resp: 216813

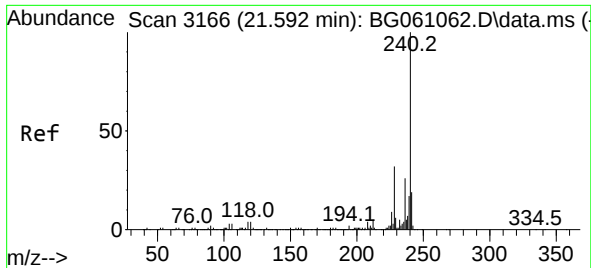
Ion Ratio Lower Upper

202 100

101 5.3 0.0 24.7

203 16.9 0.0 37.1





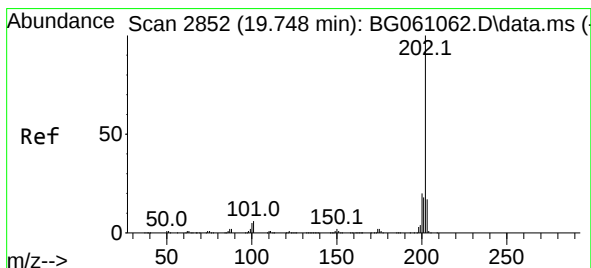
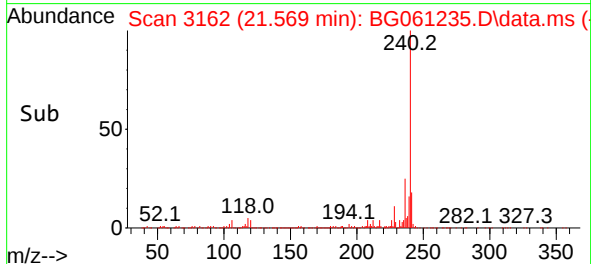
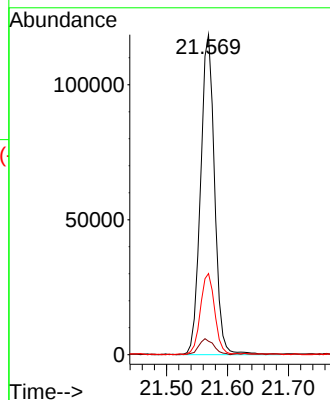
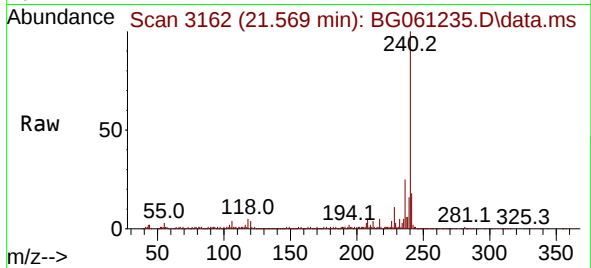
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.569 min Scan# 3166
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Instrument :
BNA_G
ClientSampleId :
WC-A-COMP

Tgt Ion:240 Resp: 18965
Ion Ratio Lower Upper
240 100
120 4.2 3.2 4.8
236 25.4 21.0 31.6

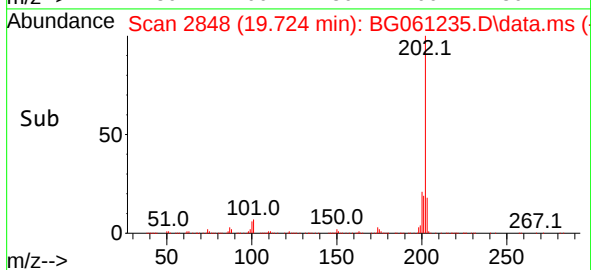
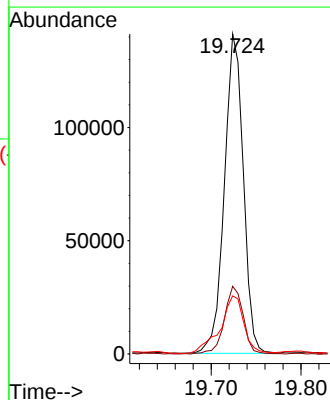
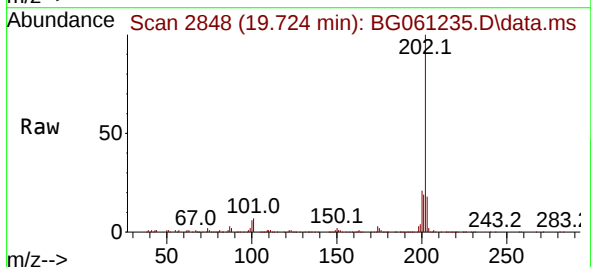
Manual Integrations
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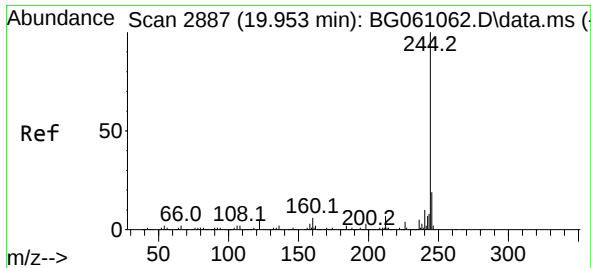
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#78
Pyrene
Concen: 17.128 ng
RT: 19.724 min Scan# 2848
Delta R.T. -0.024 min
Lab File: BG061235.D
Acq: 17 May 2024 12:27

Tgt Ion:202 Resp: 206517
Ion Ratio Lower Upper
202 100
200 21.1 16.2 24.4
203 18.1 13.3 19.9





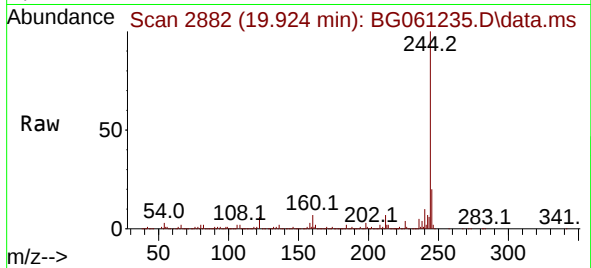
#79
 Terphenyl-d14
 Concen: 44.697 ng
 RT: 19.924 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BG061235.D
 Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

WC-A-COMP

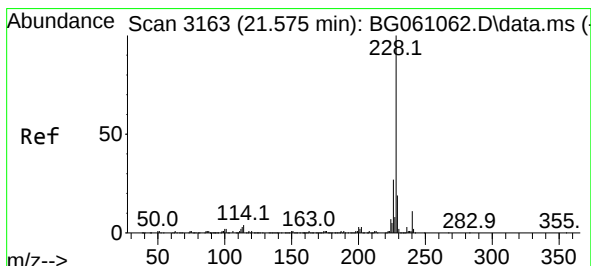
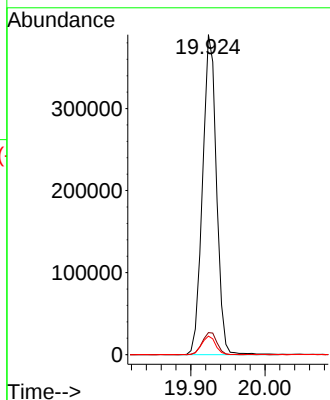
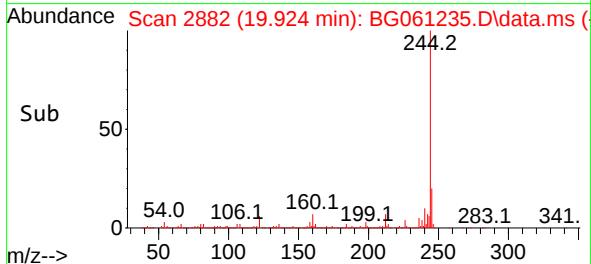


Tgt Ion:244 Resp: 509688
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 5.8 4.2 6.2

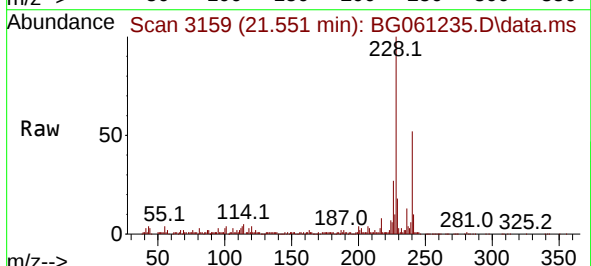
Manual Integrations

APPROVED

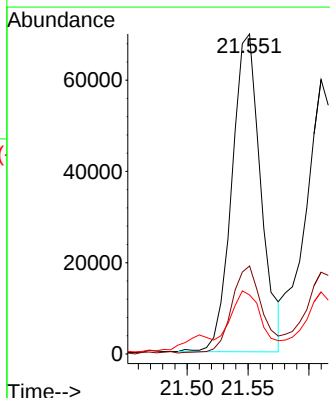
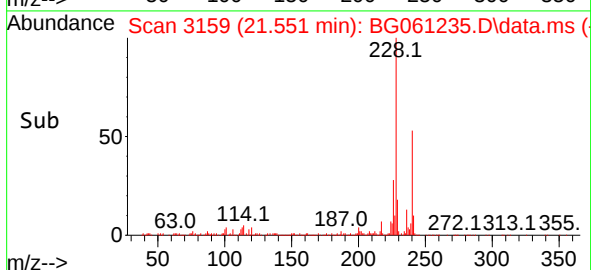
Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

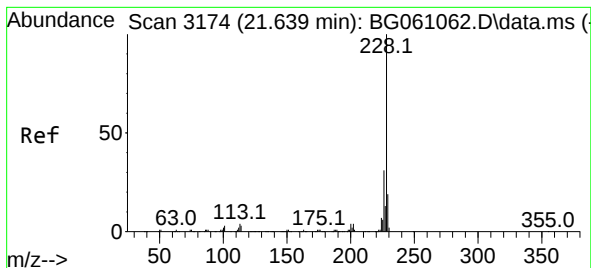


#81
 Benzo(a)anthracene
 Concen: 9.263 ng
 RT: 21.551 min Scan# 3159
 Delta R.T. -0.024 min
 Lab File: BG061235.D
 Acq: 17 May 2024 12:27



Tgt Ion:228 Resp: 114960
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.6 32.4
 229 18.4 15.0 22.4





#83

Chrysene

Concen: 9.637 ng m

RT: 21.610 min Scan# 3174

Delta R.T. -0.029 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

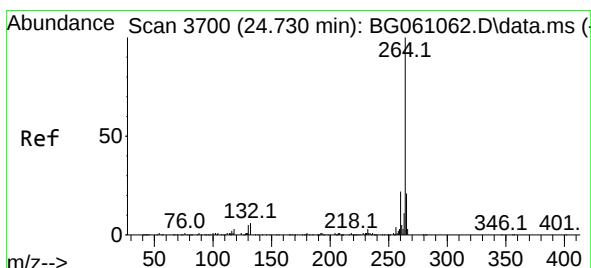
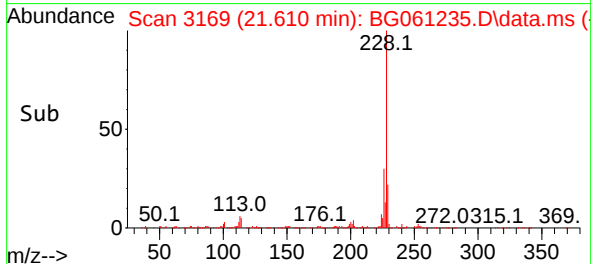
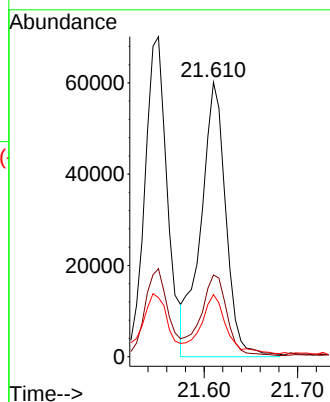
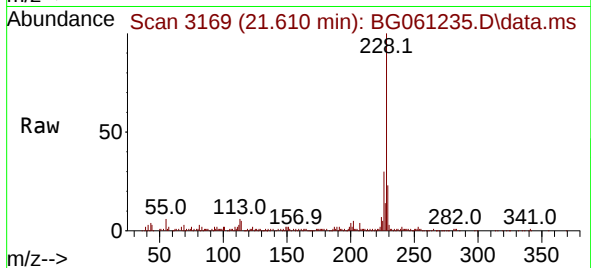
WC-A-COMP

Tgt Ion:	228	Resp:	112050
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.4	36.6
229	22.6	14.8	22.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#86

Perylene-d12

Concen: 20.000 ng

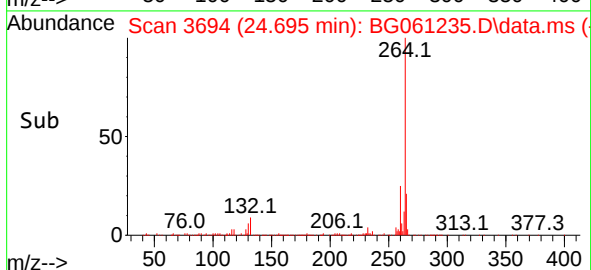
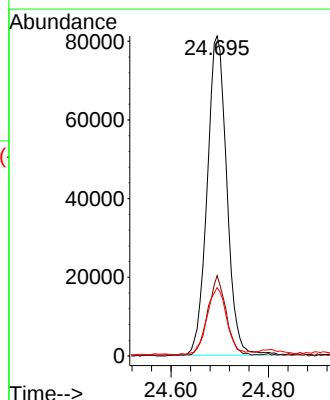
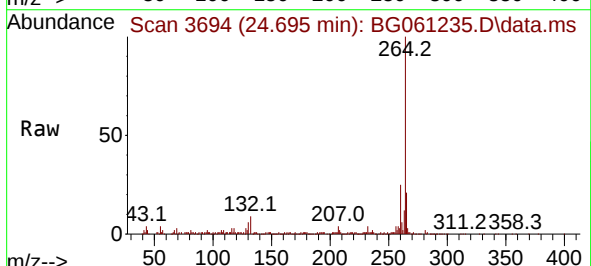
RT: 24.695 min Scan# 3694

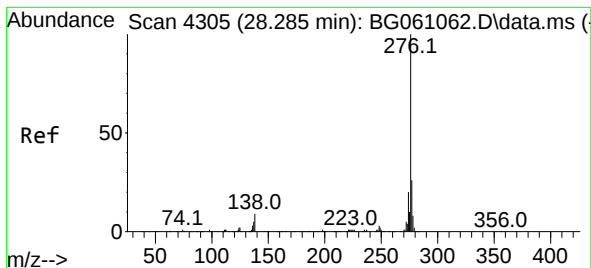
Delta R.T. -0.035 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

Tgt Ion:	264	Resp:	226336
Ion Ratio	Lower	Upper	
264	100		
260	25.1	17.7	26.5
265	21.4	16.4	24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.670 ng

RT: 28.232 min Scan# 41

Delta R.T. -0.053 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

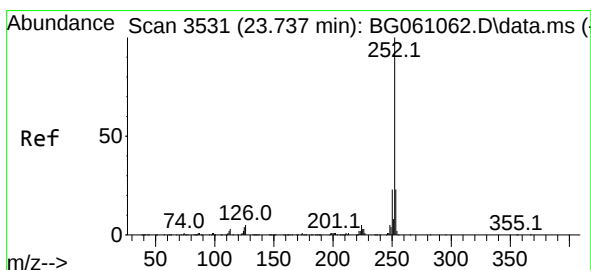
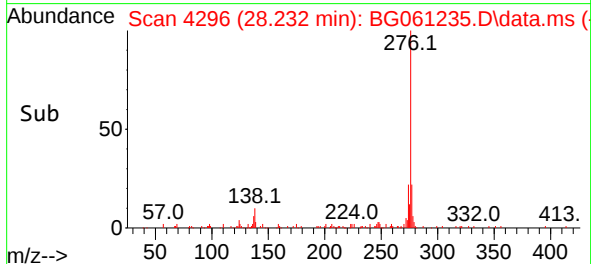
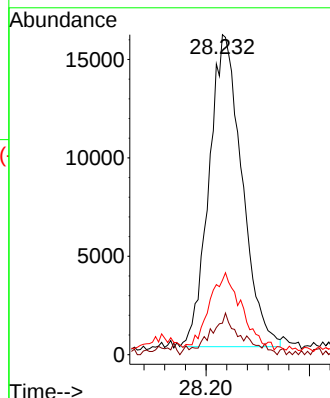
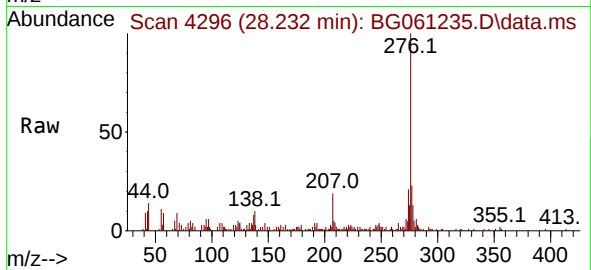
WC-A-COMP

Tgt Ion:	276	Resp:	70049
Ion Ratio	Lower	Upper	
276	100		
138	11.7	5.1	7.7
277	21.5	20.6	30.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#88

Benzo(b)fluoranthene

Concen: 10.377 ng

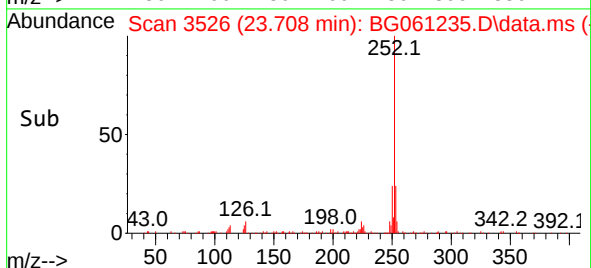
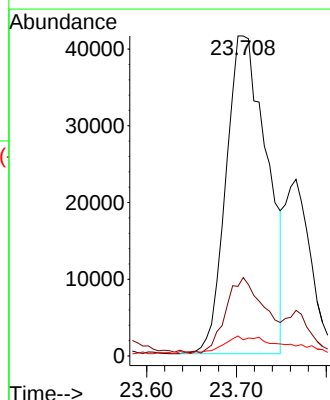
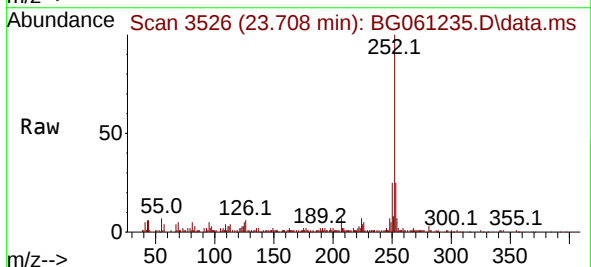
RT: 23.708 min Scan# 3526

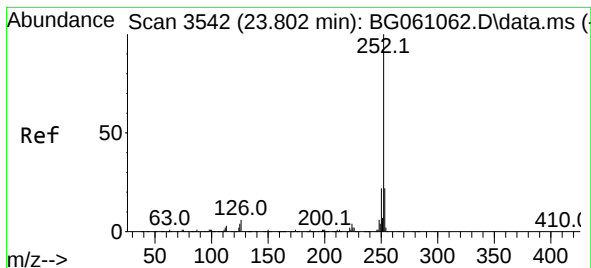
Delta R.T. -0.029 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

Tgt Ion:	252	Resp:	131249
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.2	27.2
125	5.0	3.4	5.0





#89

Benzo(k)fluoranthene

Concen: 3.745 ng m

RT: 23.766 min Scan# 3

Delta R.T. -0.035 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

Instrument :

BNA_G

ClientSampleId :

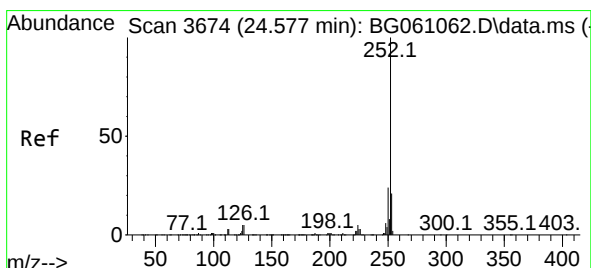
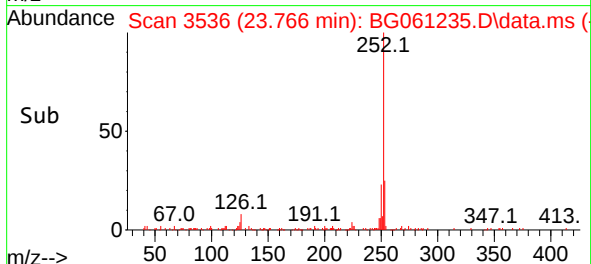
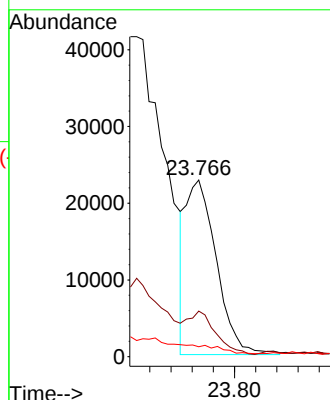
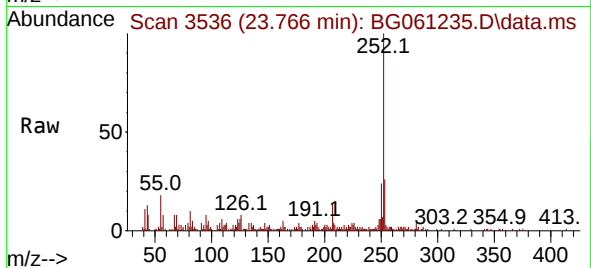
WC-A-COMP

Tgt Ion:	252	Resp:	4556
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.3	25.9
125	5.6	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#90

Benzo(a)pyrene

Concen: 8.929 ng

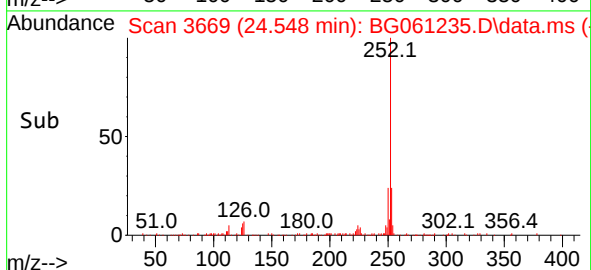
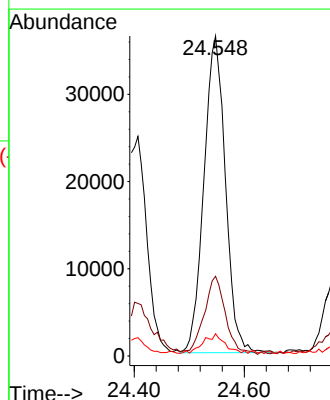
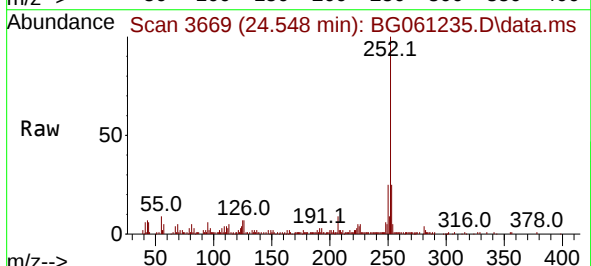
RT: 24.548 min Scan# 3669

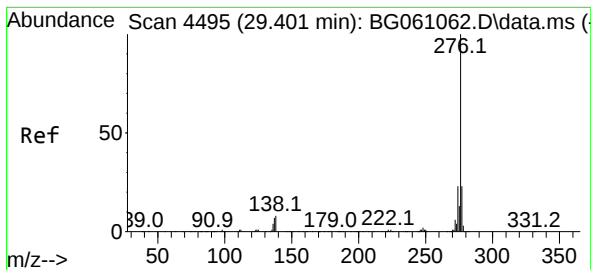
Delta R.T. -0.030 min

Lab File: BG061235.D

Acq: 17 May 2024 12:27

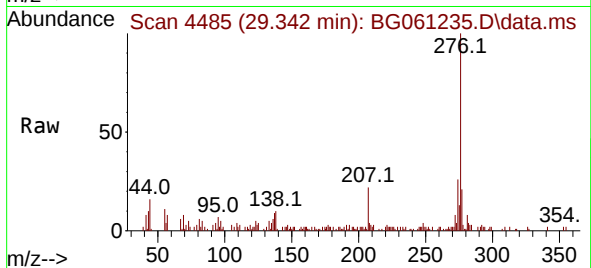
Tgt Ion:	252	Resp:	98390
Ion Ratio	Lower	Upper	
252	100		
253	24.9	16.9	25.3
125	7.0	3.8	5.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.886 ng
 RT: 29.342 min Scan# 44
 Delta R.T. -0.059 min
 Lab File: BG061235.D
 Acq: 17 May 2024 12:27

Instrument :
 BNA_G
 ClientSampleId :
 WC-A-COMP



Tgt Ion:276 Resp: 72660
 Ion Ratio Lower Upper
 276 100
 277 21.0 18.2 27.4
 138 9.6 6.2 9.2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

