

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061084.D
 Acq On : 1 May 2024 20:13
 Operator : MA/JU
 Sample : P2307-05DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-2DL

Quant Time: May 02 05:37:04 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	30598	20.000	ng	-0.02
21) Naphthalene-d8	10.728	136	116672	20.000	ng	-0.03
39) Acenaphthene-d10	14.565	164	88587	20.000	ng	-0.02
64) Phenanthrene-d10	17.309	188	197187	20.000	ng	-0.02
76) Chrysene-d12	21.568	240	186844	20.000	ng	-0.02
86) Perylene-d12	24.694	264	210974	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	12230	8.129	ng	-0.02
7) Phenol-d6	7.109	99	16487	7.408	ng	-0.02
23) Nitrobenzene-d5	9.083	82	12475	5.300	ng	-0.04
42) 2,4,6-Tribromophenol	16.057	330	13124	7.412	ng	-0.02
45) 2-Fluorobiphenyl	13.184	172	36274	6.055	ng	-0.02
79) Terphenyl-d14	19.929	244	60979	5.428	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.356	178	163022	18.081	ng	98
72) Anthracene	17.444	178	42623	4.738	ng	99
75) Fluoranthene	19.371	202	497937	40.312	ng	97
78) Pyrene	19.729	202	442789	37.276	ng	99
81) Benzo(a)anthracene	21.551	228	231653	18.947	ng	98
83) Chrysene	21.615	228	204874m	17.885	ng	
87) Indeno(1,2,3-cd)pyrene	28.225	276	93408m	6.681	ng	
88) Benzo(b)fluoranthene	23.713	252	241127	20.453	ng	98
89) Benzo(k)fluoranthene	23.766	252	104965m	9.255	ng	
90) Benzo(a)pyrene	24.547	252	172174	16.763	ng	92
92) Benzo(g,h,i)perylene	29.336	276	80792m	7.022	ng	

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

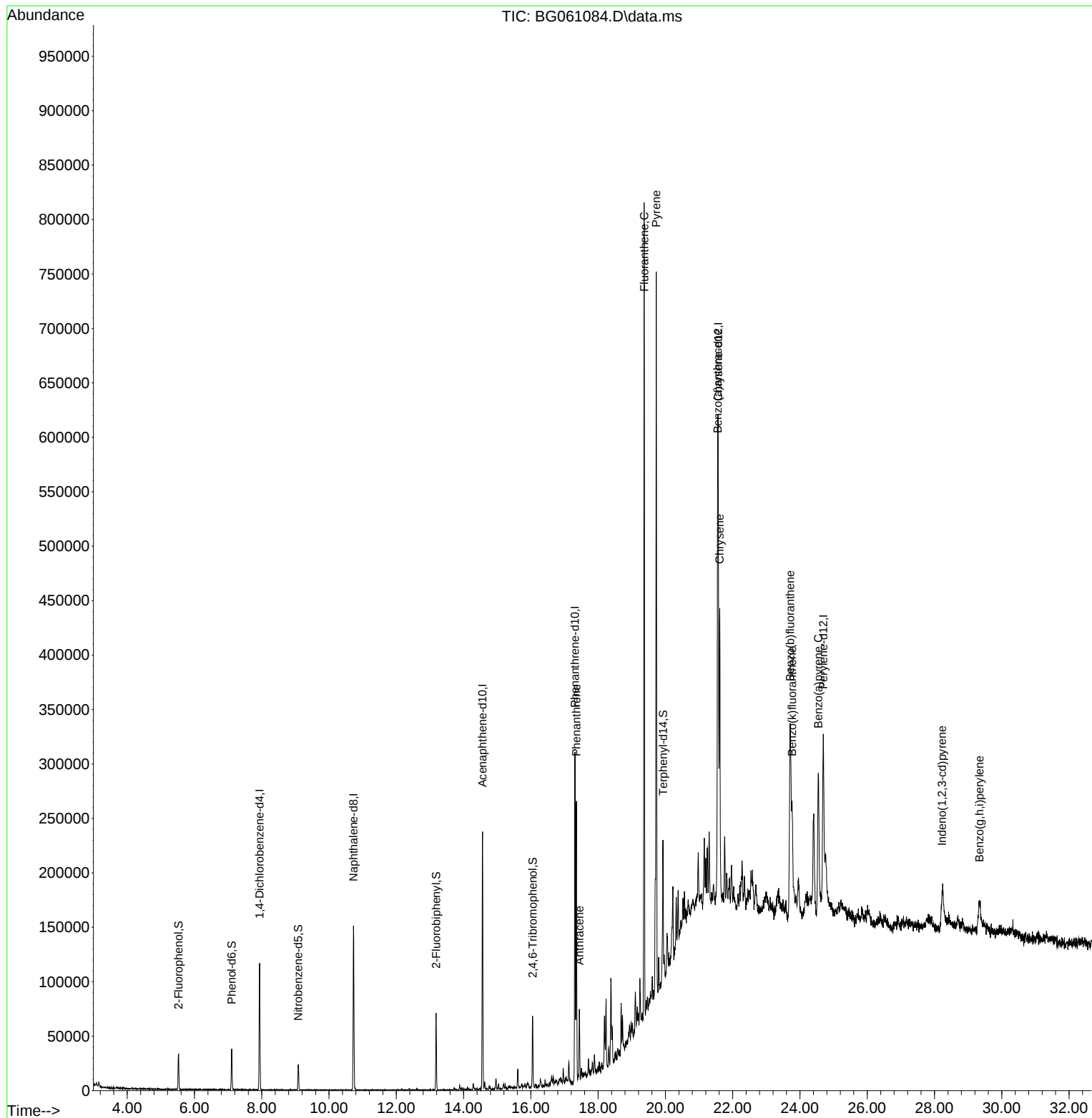
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Data File : BG061084.D
Acq On : 1 May 2024 20:13
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Sample : P2307-05DL 10X
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ALS Vial : 17 Sample Multiplier: 1

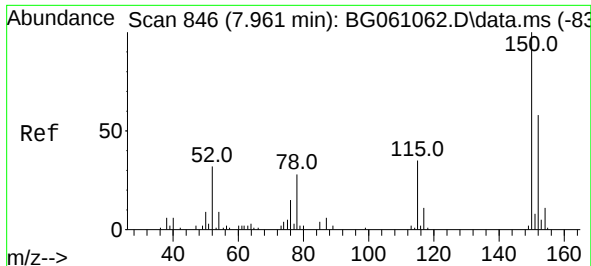
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BNA_G
ClientSampleId :
WC-2DL

Quant Time: May 02 05:37:04 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
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 846
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

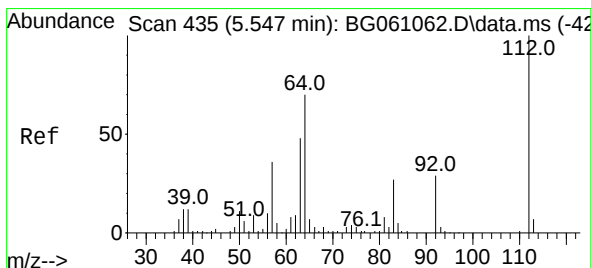
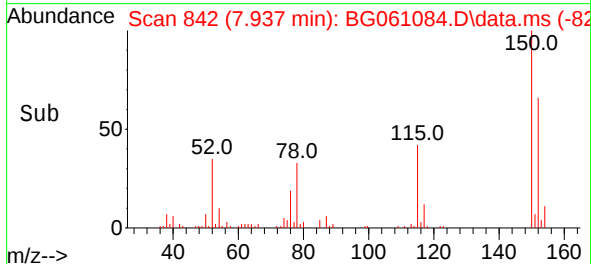
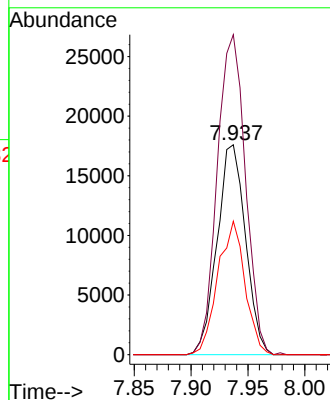
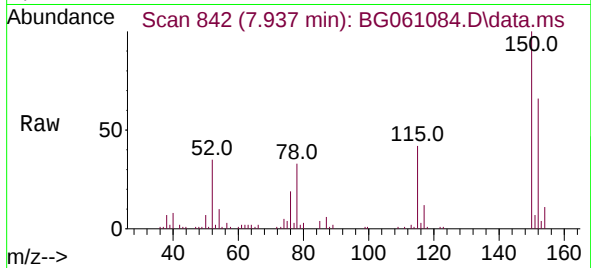
WC-2DL

Tgt Ion:152 Resp: 30598
Ion Ratio Lower Upper
152 100
150 152.5 138.3 207.5
115 63.6 48.0 72.0

Manual Integrations

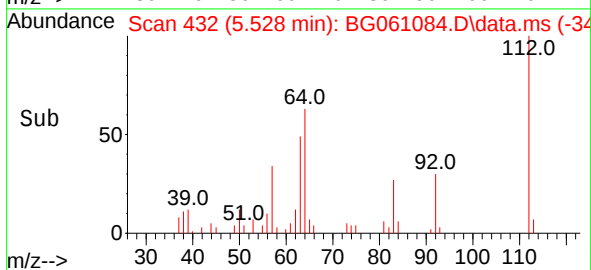
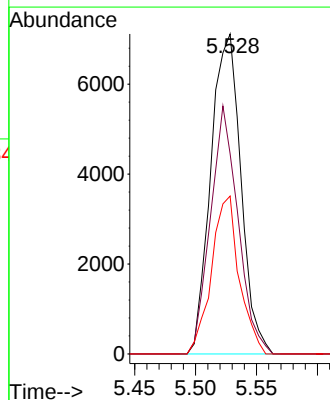
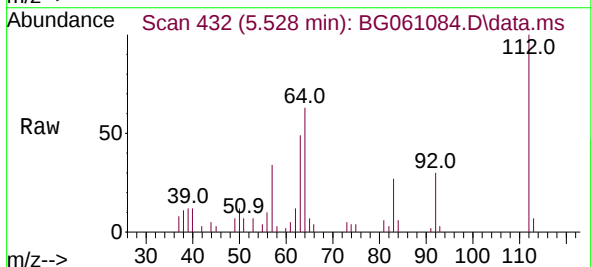
APPROVED

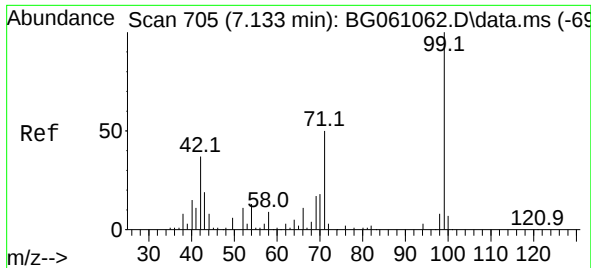
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#5
2-Fluorophenol
Concen: 8.129 ng
RT: 5.528 min Scan# 432
Delta R.T. -0.018 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

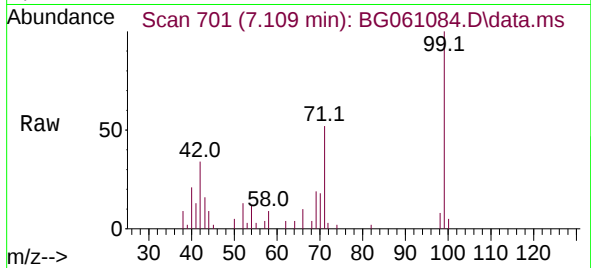
Tgt Ion:112 Resp: 12230
Ion Ratio Lower Upper
112 100
64 62.6 55.7 83.5
63 49.3 38.1 57.1





#7
Phenol-d6
Concen: 7.408 ng
RT: 7.109 min Scan# 71
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

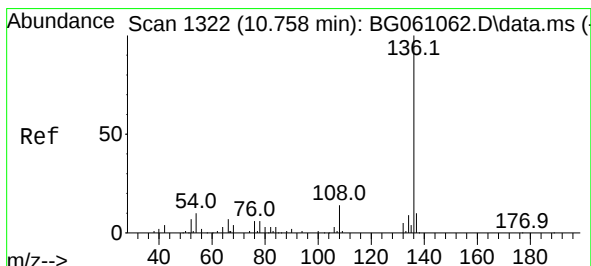
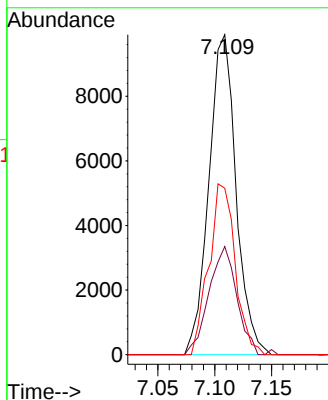
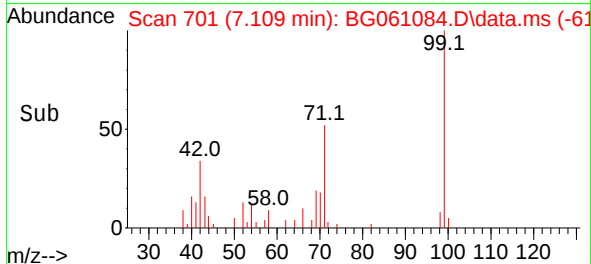
Instrument :
BNA_G
ClientSampleId :
WC-2DL



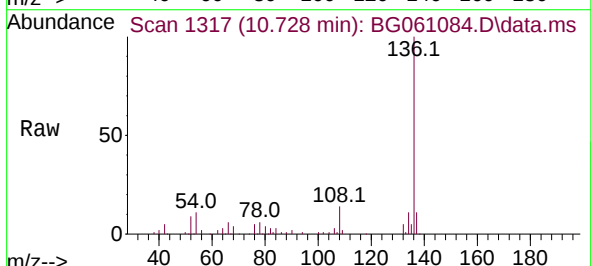
Tgt Ion: 99 Resp: 1648
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 52.0 39.7 59.5

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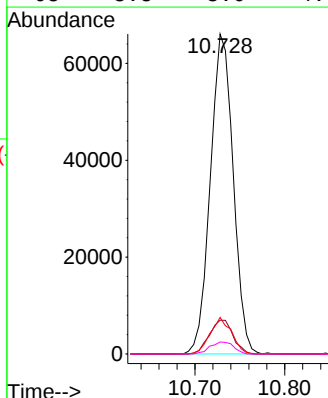
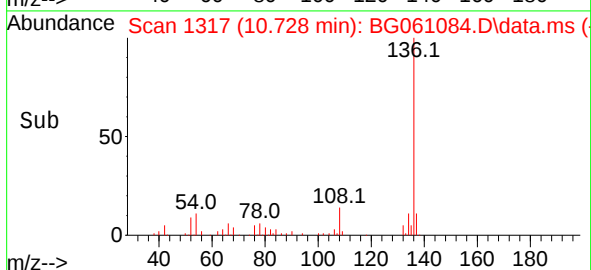
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

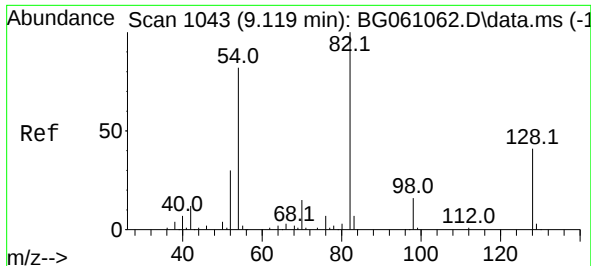


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1317
Delta R.T. -0.030 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13



Tgt Ion:136 Resp: 116672
Ion Ratio Lower Upper
136 100
137 10.5 7.8 11.6
54 11.4 8.1 12.1
68 3.8 3.0 4.4





#23
Nitrobenzene-d5
Concen: 5.300 ng
RT: 9.083 min Scan# 1043
Delta R.T. -0.036 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

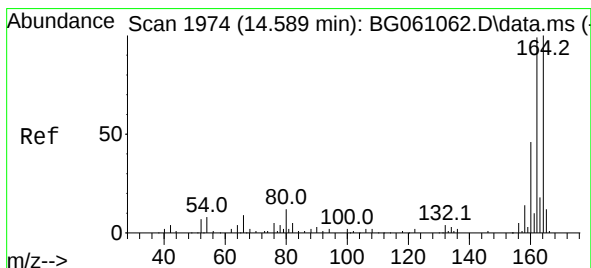
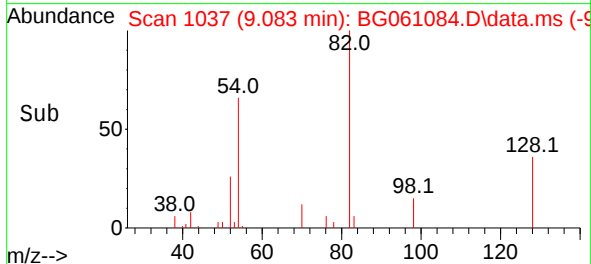
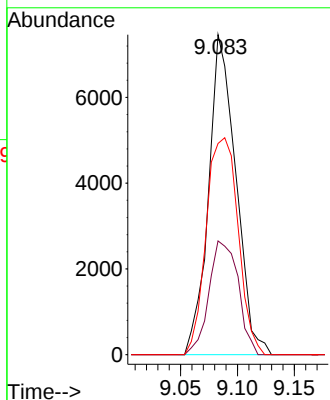
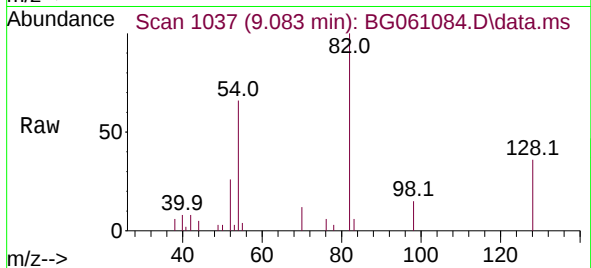
WC-2DL

Tgt Ion: 82 Resp: 12479
Ion Ratio Lower Upper
82 100
128 35.5 32.7 49.1
54 66.0 65.6 98.4

Manual Integrations

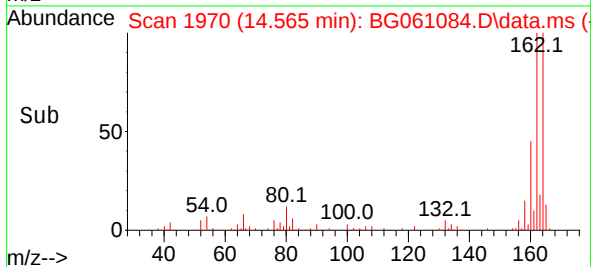
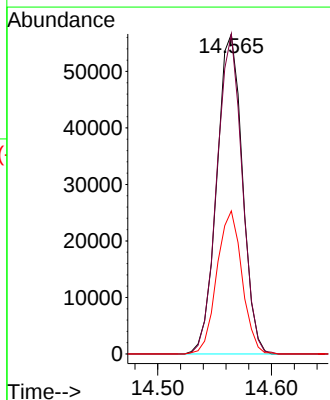
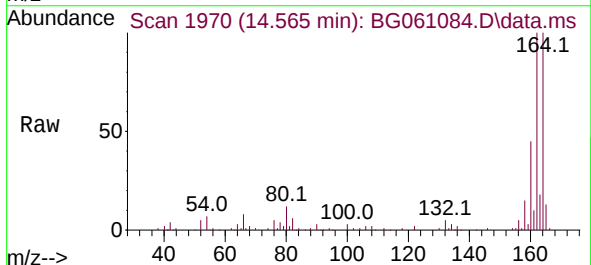
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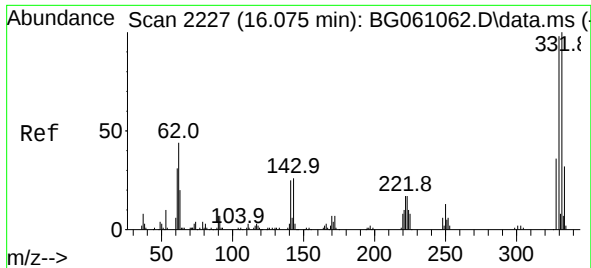
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.565 min Scan# 1970
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Tgt Ion:164 Resp: 88587
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.2
160 44.7 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 7.412 ng
RT: 16.057 min Scan# 2227
Delta R.T. -0.018 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

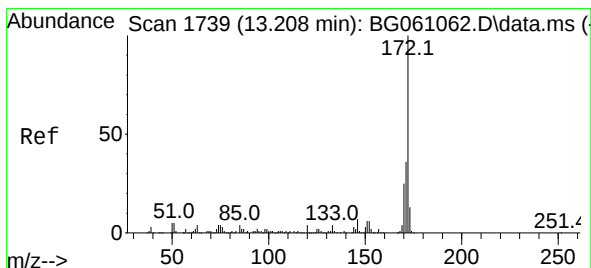
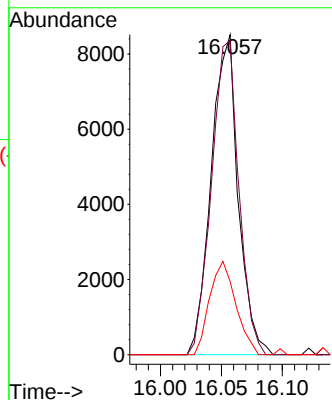
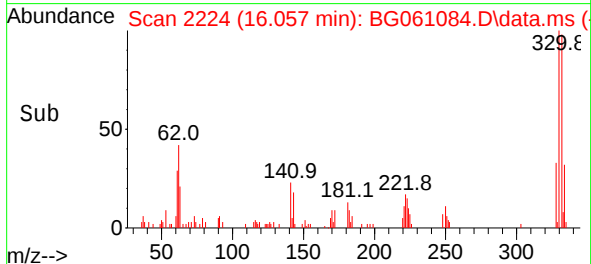
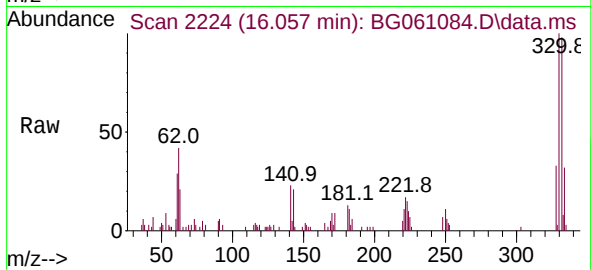
WC-2DL

Tgt Ion:330 Resp: 13124
Ion Ratio Lower Upper
330 100
332 99.3 78.6 117.8
141 28.3 20.5 30.7

Manual Integrations

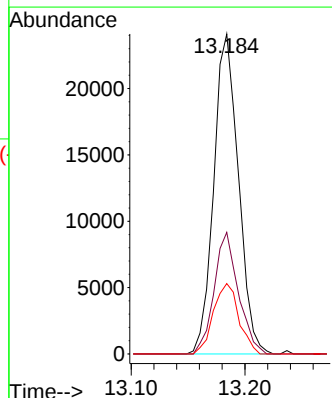
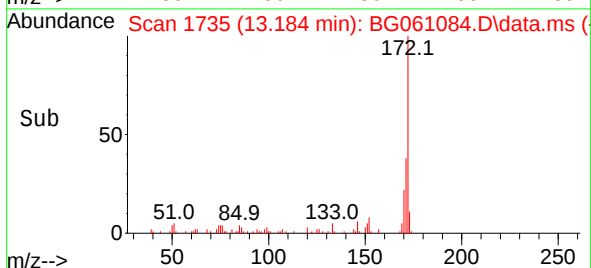
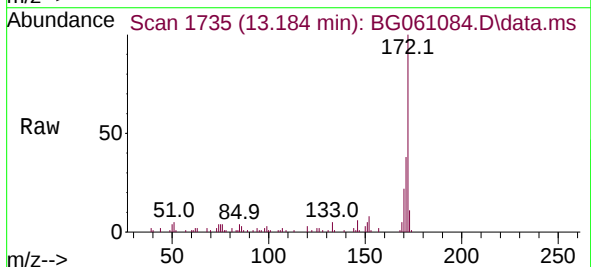
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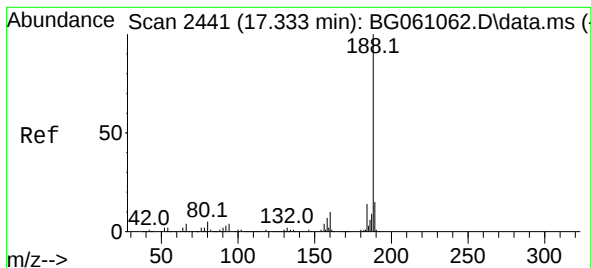
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#45
2-Fluorobiphenyl
Concen: 6.055 ng
RT: 13.184 min Scan# 1735
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Tgt Ion:172 Resp: 36274
Ion Ratio Lower Upper
172 100
171 38.0 29.0 43.6
170 22.0 20.2 30.4





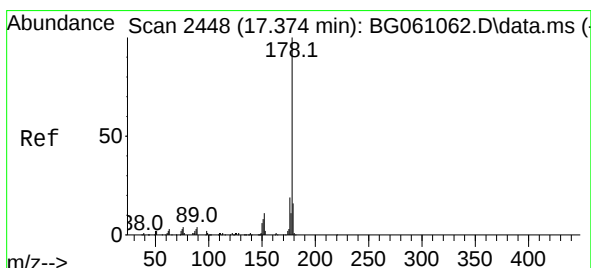
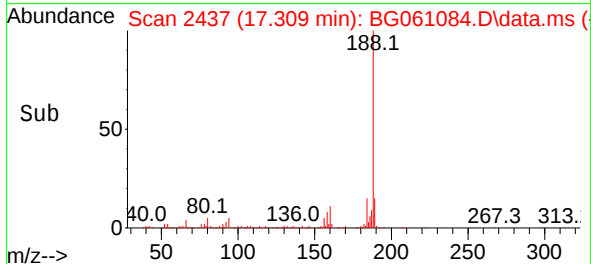
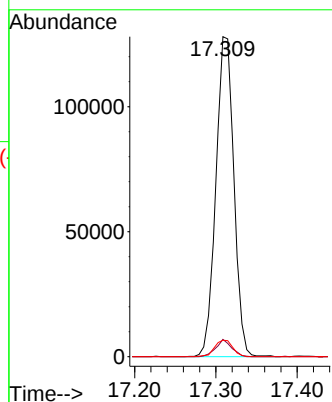
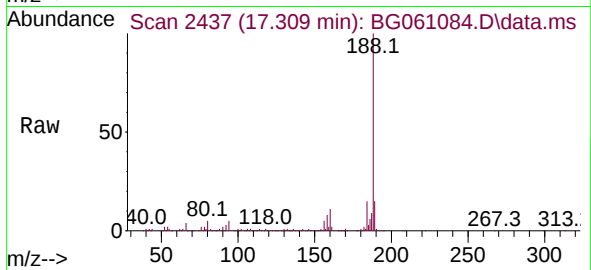
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.309 min Scan# 2437
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Instrument :
BNA_G
ClientSampleId :
WC-2DL

Tgt Ion:188 Resp: 19718
Ion Ratio Lower Upper
188 100
94 5.4 3.6 5.4
80 5.1 4.2 6.2

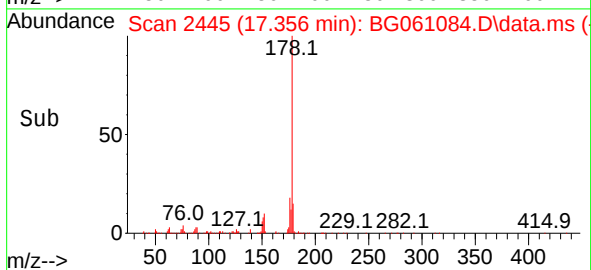
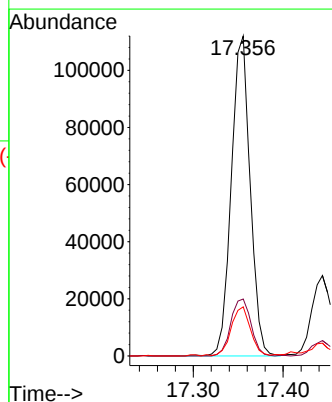
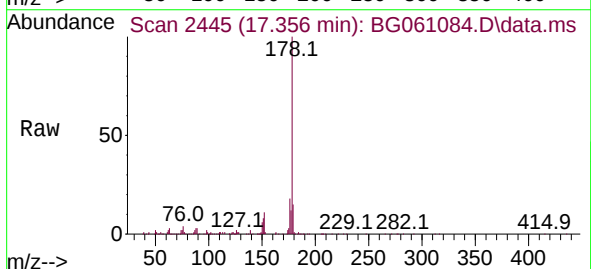
Manual Integrations
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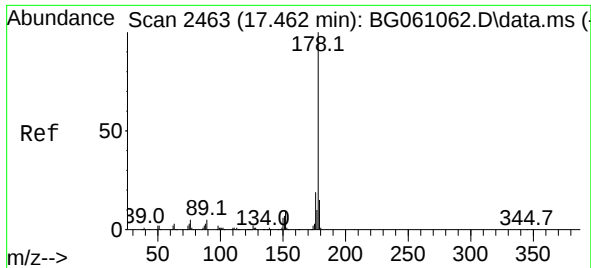
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024



#71
Phenanthrene
Concen: 18.081 ng
RT: 17.356 min Scan# 2445
Delta R.T. -0.018 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

Tgt Ion:178 Resp: 163022
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 4.738 ng
 RT: 17.444 min Scan# 2463
 Delta R.T. -0.018 min
 Lab File: BG061084.D
 Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

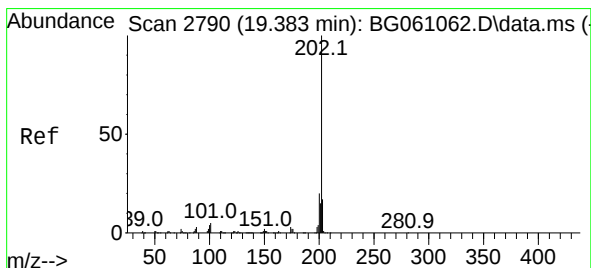
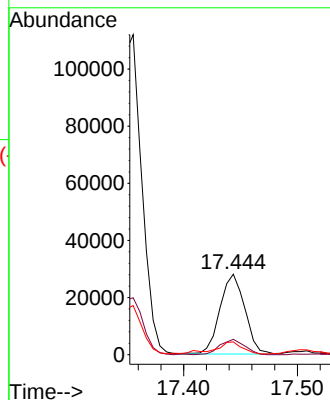
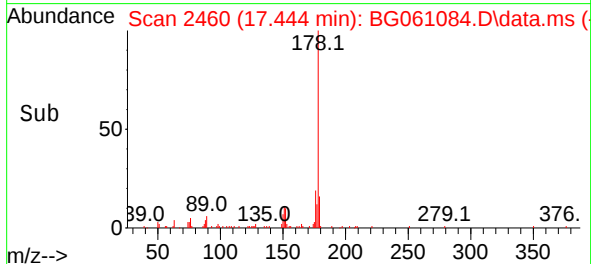
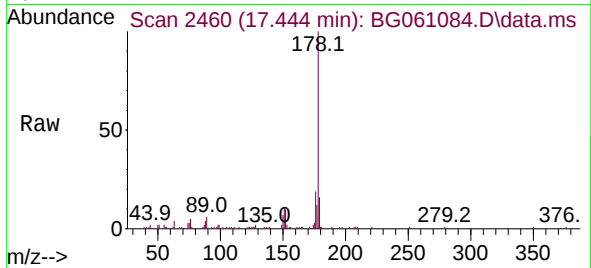
WC-2DL

Tgt Ion:178 Resp: 42623
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 15.9 12.0 18.0

Manual Integrations

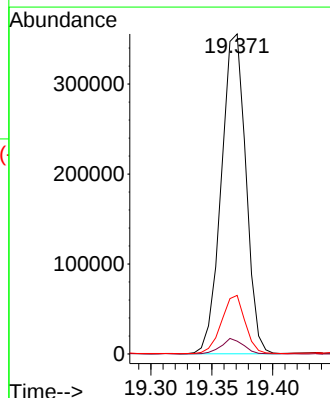
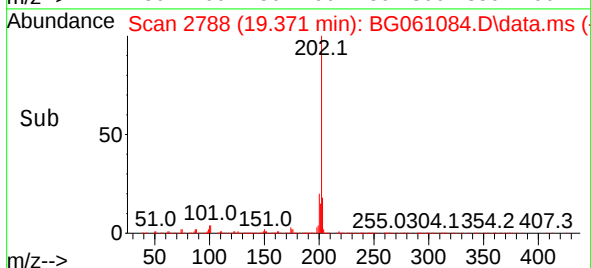
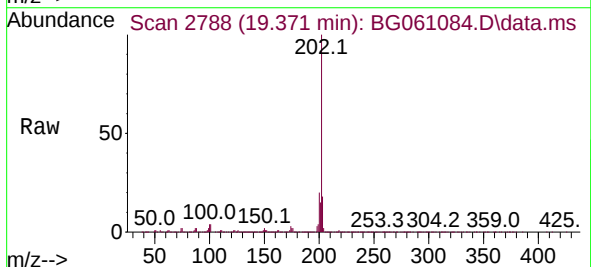
APPROVED

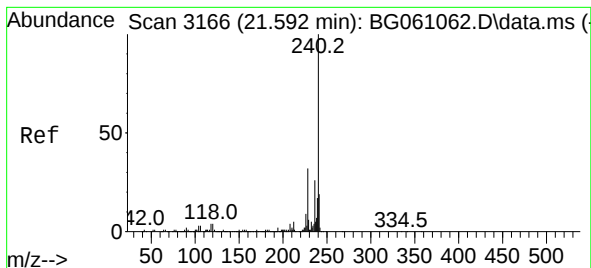
Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024



#75
 Fluoranthene
 Concen: 40.312 ng
 RT: 19.371 min Scan# 2788
 Delta R.T. -0.012 min
 Lab File: BG061084.D
 Acq: 1 May 2024 20:13

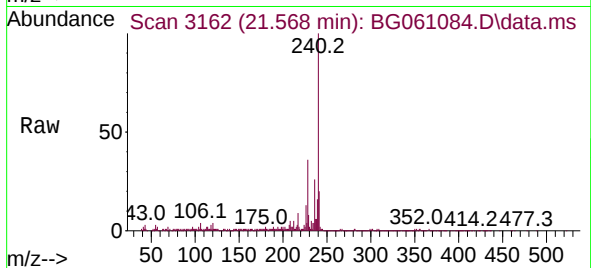
Tgt Ion:202 Resp: 497937
 Ion Ratio Lower Upper
 202 100
 101 4.0 0.0 24.7
 203 18.3 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.568 min Scan# 3162
Delta R.T. -0.024 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13

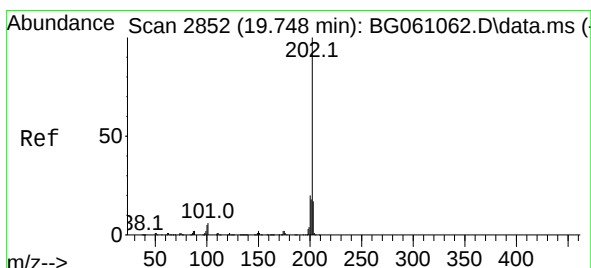
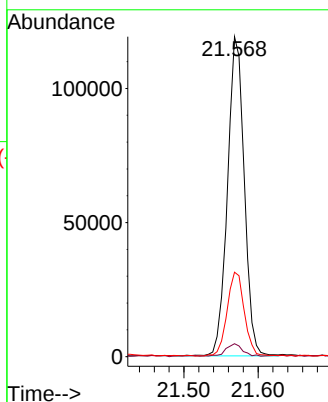
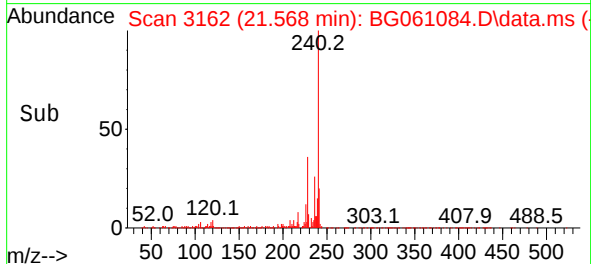
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BNA_G
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WC-2DL



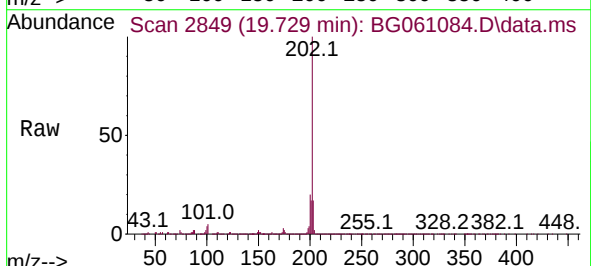
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Ion Ratio Lower Upper
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236 26.4 21.0 31.6

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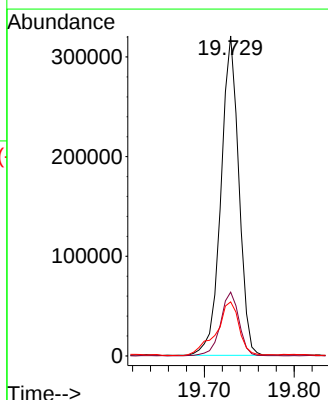
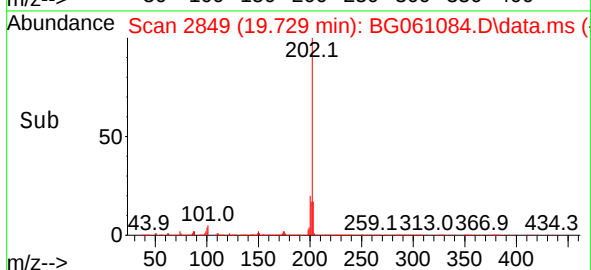
Reviewed By :Jagrut Upadhyay 05/02/2024
Supervised By :mohammad ahmed 05/06/2024

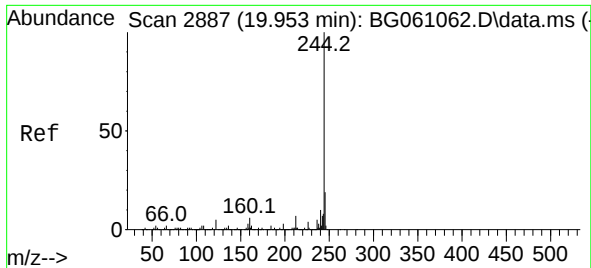


#78
Pyrene
Concen: 37.276 ng
RT: 19.729 min Scan# 2849
Delta R.T. -0.018 min
Lab File: BG061084.D
Acq: 1 May 2024 20:13



Tgt Ion:202 Resp: 442789
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.4
203 16.9 13.3 19.9





#79
 Terphenyl-d14
 Concen: 5.428 ng
 RT: 19.929 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BG061084.D
 Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

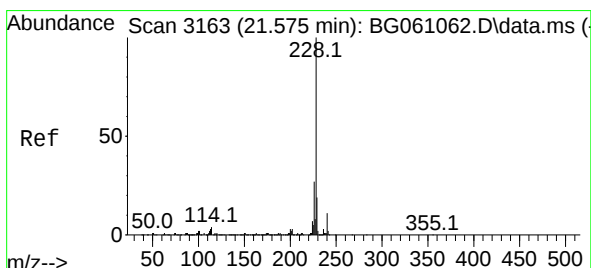
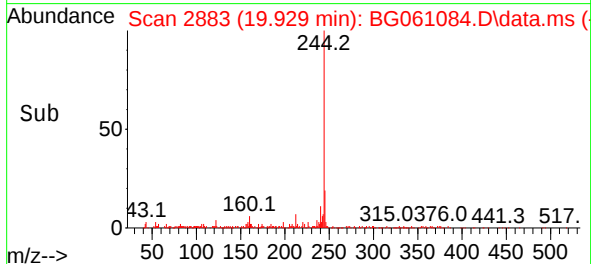
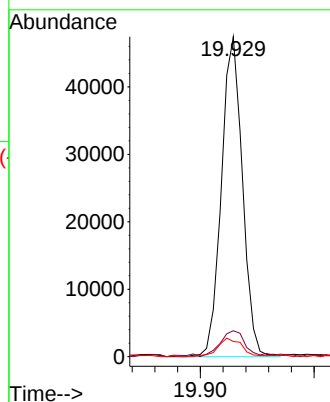
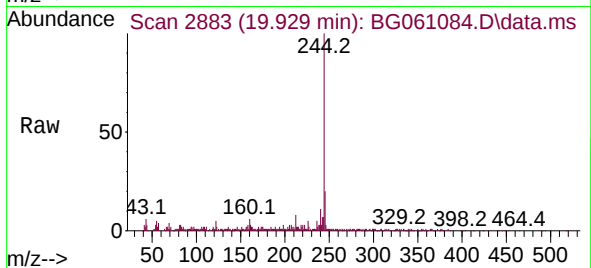
WC-2DL

Tgt Ion:244 Resp: 60979
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 4.7 4.2 6.2

Manual Integrations

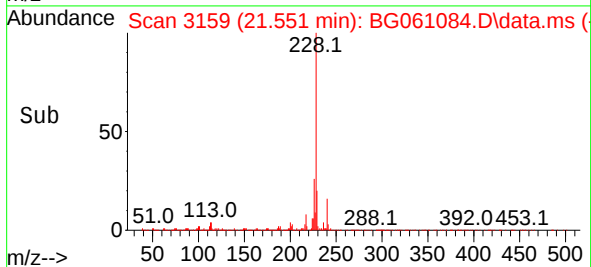
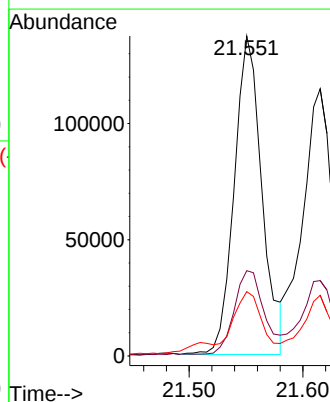
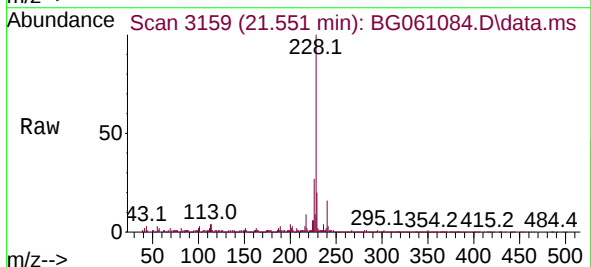
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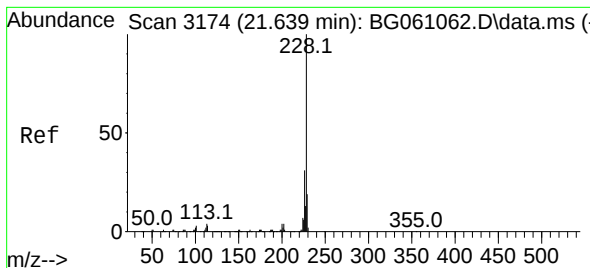
Reviewed By :Jagrut Upadhyay 05/02/2024
 Supervised By :mohammad ahmed 05/06/2024



#81
 Benzo(a)anthracene
 Concen: 18.947 ng
 RT: 21.551 min Scan# 3159
 Delta R.T. -0.024 min
 Lab File: BG061084.D
 Acq: 1 May 2024 20:13

Tgt Ion:228 Resp: 231653
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.6 32.4
 229 20.1 15.0 22.4





#83

Chrysene

Concen: 17.885 ng m

RT: 21.615 min Scan# 3174

Delta R.T. -0.024 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

WC-2DL

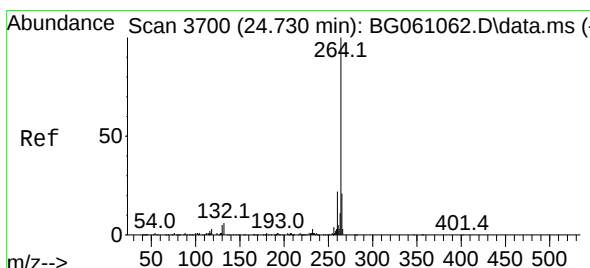
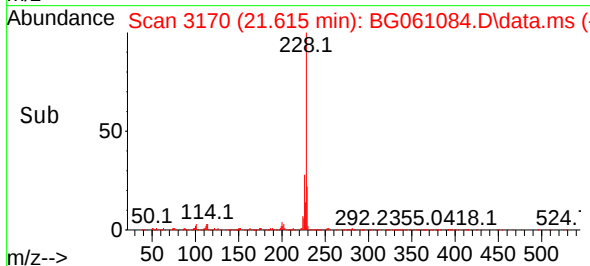
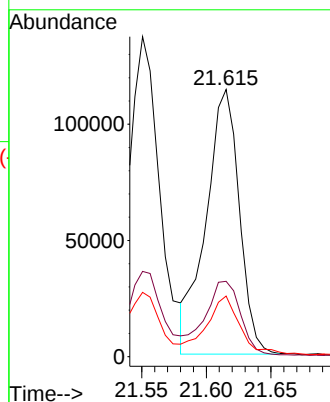
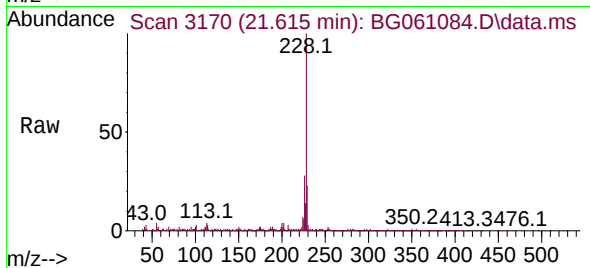
Tgt Ion:228 Resp: 204874

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.4	36.6
229	22.7	14.8	22.2

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.694 min Scan# 3694

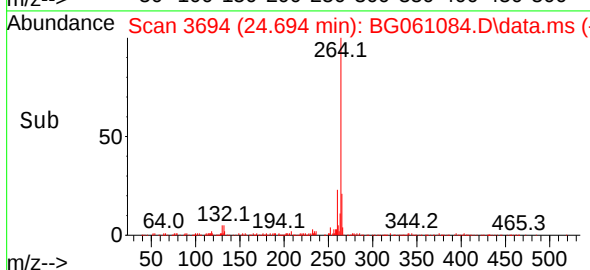
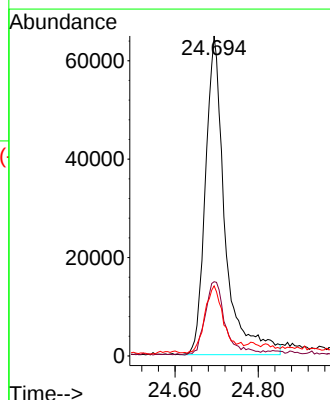
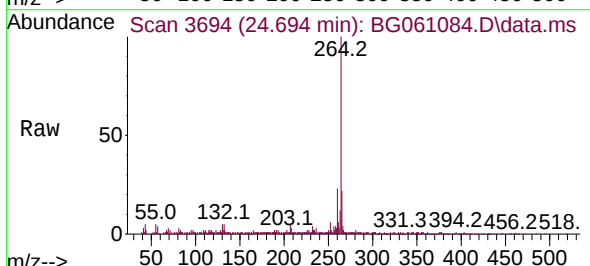
Delta R.T. -0.036 min

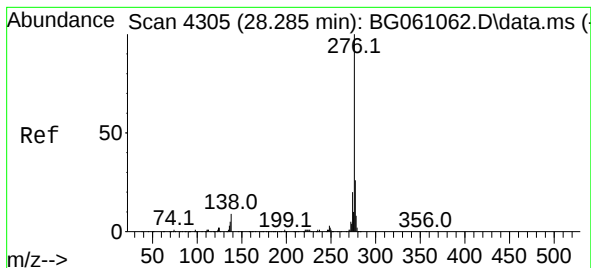
Lab File: BG061084.D

Acq: 1 May 2024 20:13

Tgt Ion:264 Resp: 210974

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.7	26.5
265	21.9	16.4	24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.681 ng m

RT: 28.225 min Scan# 41

Delta R.T. -0.059 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

WC-2DL

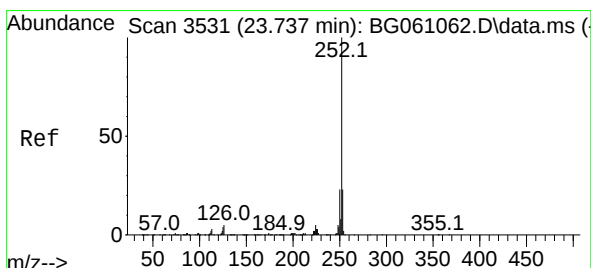
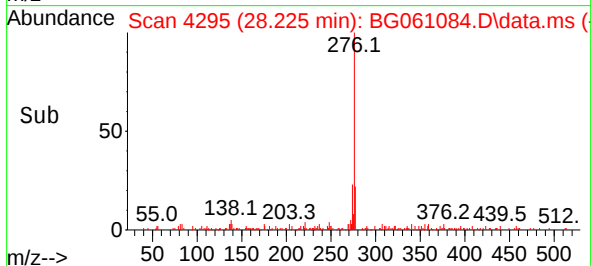
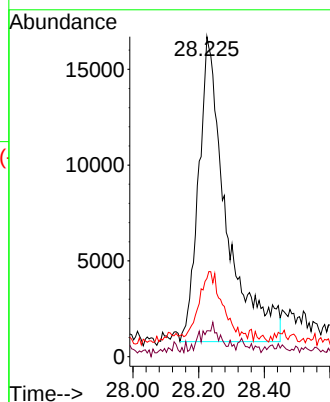
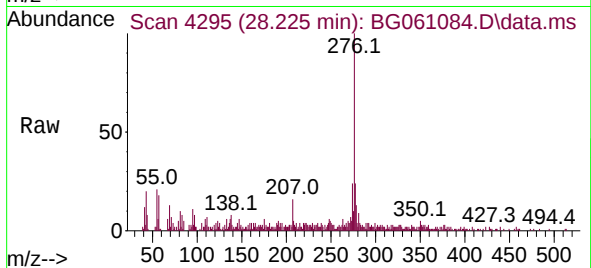
Tgt Ion:276 Resp: 93408

Ion	Ratio	Lower	Upper
276	100		
138	3.2	5.1	7.7
277	20.1	20.6	30.8

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 20.453 ng

RT: 23.713 min Scan# 3527

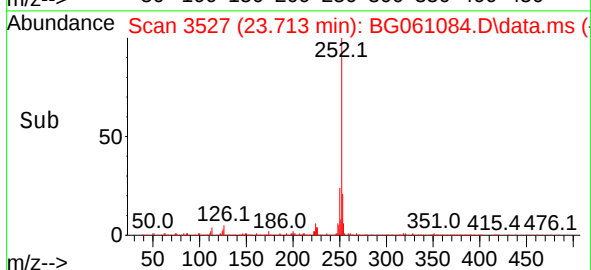
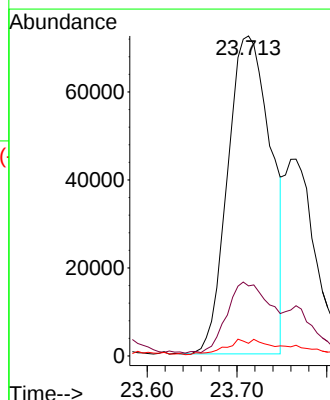
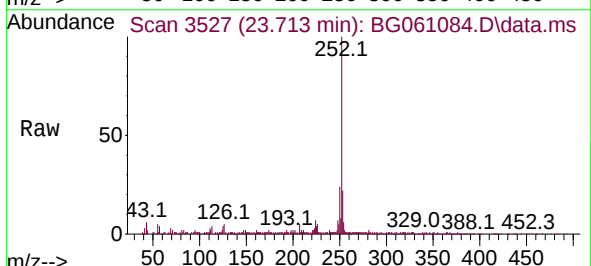
Delta R.T. -0.024 min

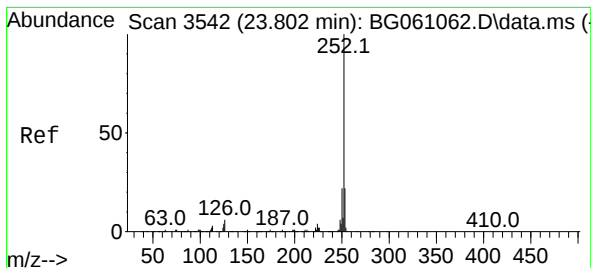
Lab File: BG061084.D

Acq: 1 May 2024 20:13

Tgt Ion:252 Resp: 241127

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	3.9	3.4	5.0





#89

Benzo(k)fluoranthene

Concen: 9.255 ng m

RT: 23.766 min Scan# 3542

Delta R.T. -0.036 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

Instrument :

BNA_G

ClientSampleId :

WC-2DL

Tgt Ion:252 Resp: 10496

Ion Ratio Lower Upper

252 100

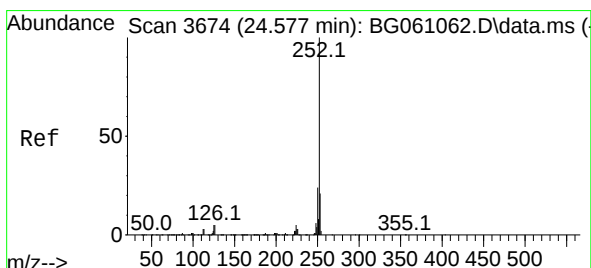
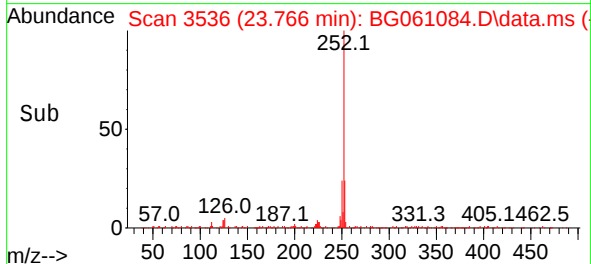
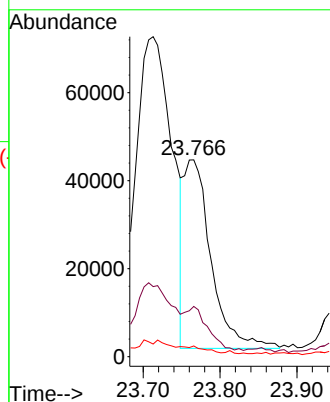
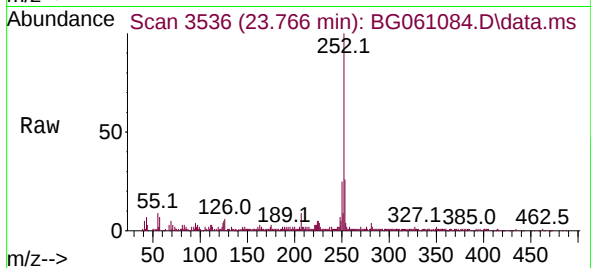
253 25.6 17.3 25.9

125 5.5 3.2 4.8

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 16.763 ng

RT: 24.547 min Scan# 3669

Delta R.T. -0.030 min

Lab File: BG061084.D

Acq: 1 May 2024 20:13

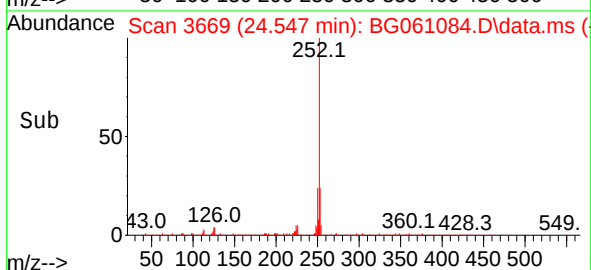
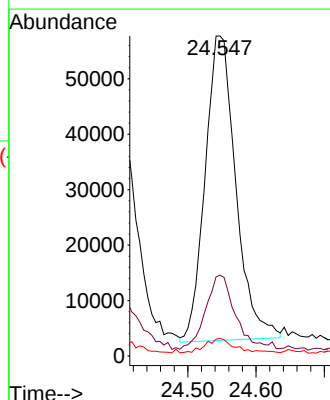
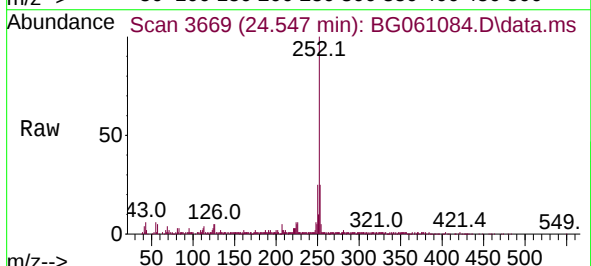
Tgt Ion:252 Resp: 172174

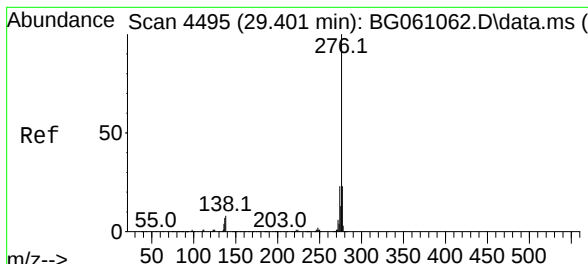
Ion Ratio Lower Upper

252 100

253 25.2 16.9 25.3

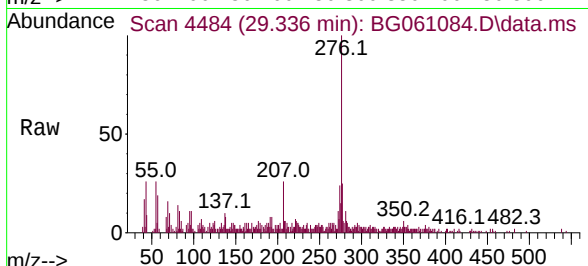
125 5.5 3.8 5.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.022 ng m
 RT: 29.336 min Scan# 44
 Delta R.T. -0.065 min
 Lab File: BG061084.D
 Acq: 1 May 2024 20:13

Instrument :
 BNA_G
 ClientSampleId :
 WC-2DL



Tgt Ion: 276 Resp: 80792
 Ion Ratio Lower Upper
 276 100
 277 25.4 18.2 27.4
 138 7.9 6.2 9.2

Manual Integrations
 APPROVED

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

