

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060863.D
 Acq On : 11 Apr 2024 17:34
 Operator : MA/JU
 Sample : P2070-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/12/2024
 Supervised By :mohammad ahmed 04/17/2024

Quant Time: Apr 11 18:48:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	66287	20.000	ng	0.00
21) Naphthalene-d8	10.743	136	252861	20.000	ng	-0.02
39) Acenaphthene-d10	14.573	164	193417	20.000	ng	-0.02
64) Phenanthrene-d10	17.323	188	457850	20.000	ng	-0.02
76) Chrysene-d12	21.583	240	414726	20.000	ng	-0.02
86) Perylene-d12	24.715	264	478951	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	331926	83.418	ng	0.00
7) Phenol-d6	7.112	99	463514	78.476	ng	0.00
23) Nitrobenzene-d5	9.098	82	302218	68.200	ng	-0.02
42) 2,4,6-Tribromophenol	16.066	330	262278	119.456	ng	0.00
45) 2-Fluorobiphenyl	13.199	172	654536	49.666	ng	-0.02
79) Terphenyl-d14	19.950	244	1137288	48.287	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.364	178	260617	10.945	ng	98
72) Anthracene	17.458	178	57151	2.363	ng	98
75) Fluoranthene	19.380	202	644086	22.291	ng	97
78) Pyrene	19.738	202	556514	19.187	ng	98
81) Benzo(a)anthracene	21.565	228	355754	12.169	ng	98
83) Chrysene	21.630	228	316558	11.235	ng	98
87) Indeno(1,2,3-cd)pyrene	28.263	276	261762	7.761	ng	99
88) Benzo(b)fluoranthene	23.727	252	492176	17.887	ng	98
89) Benzo(k)fluoranthene	23.792	252	150374m	5.339	ng	
90) Benzo(a)pyrene	24.568	252	338232	12.649	ng	98
91) Dibenzo(a,h)anthracene	28.299	278	63849	2.246	ng	95
92) Benzo(g,h,i)perylene	29.356	276	242877	8.782	ng	96

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

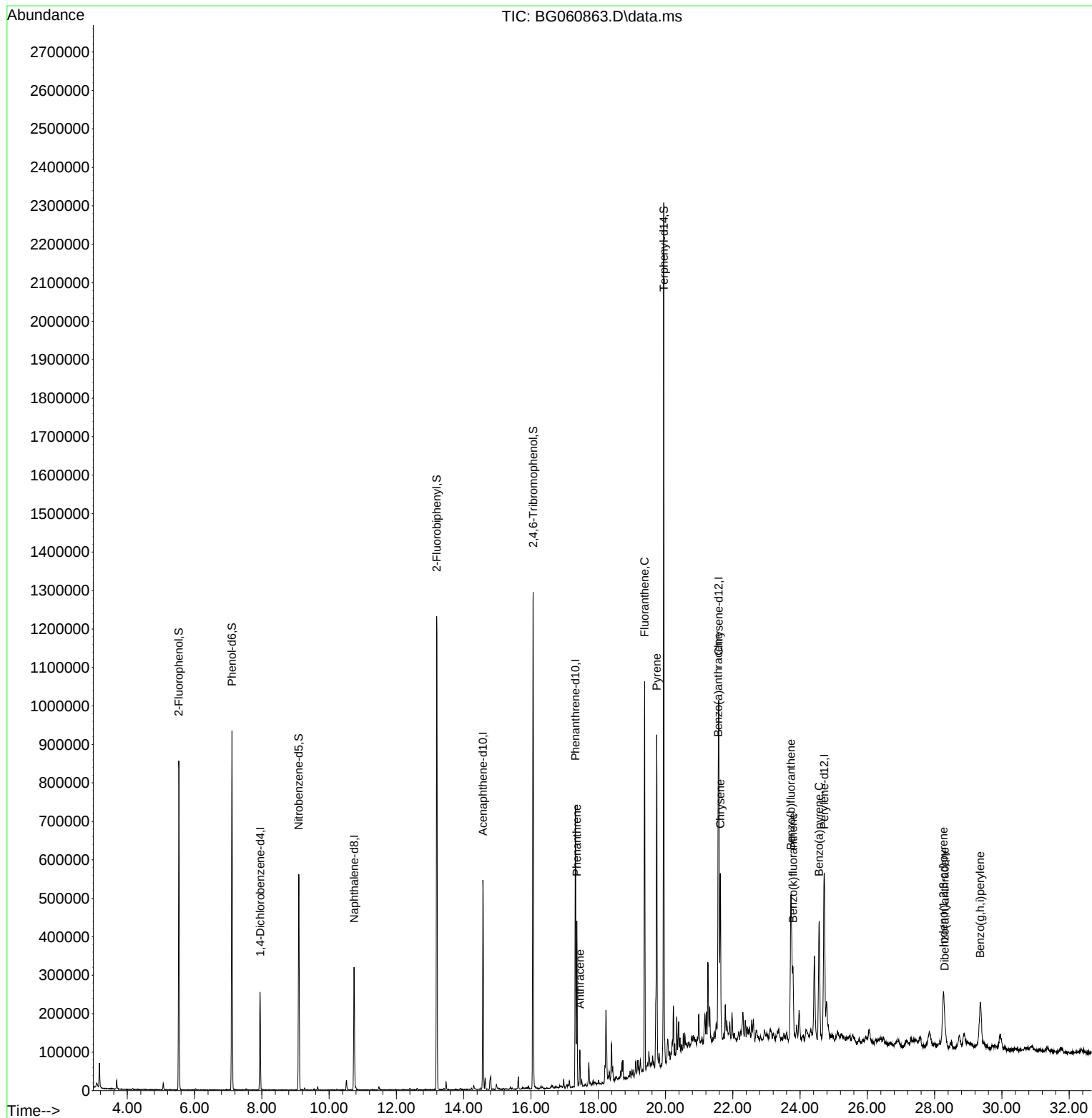
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060863.D
Acq On : 11 Apr 2024 17:34
Operator : MA/JU
Sample : P2070-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

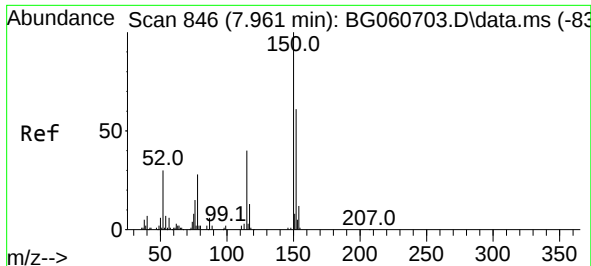
Instrument :
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Quant Time: Apr 11 18:48:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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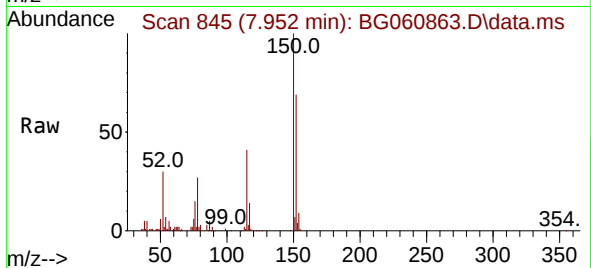
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 846
Delta R.T. -0.009 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

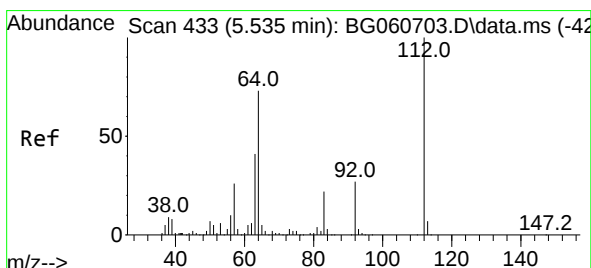
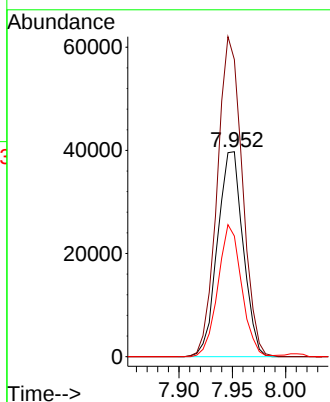
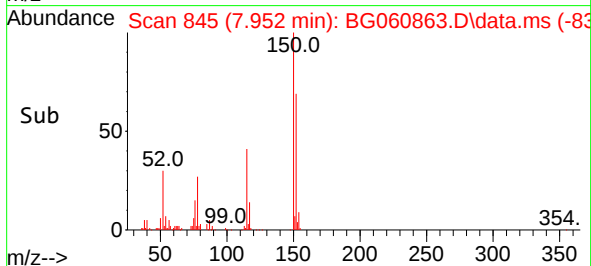
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 6628
Ion Ratio Lower Upper
152 100
150 144.9 130.2 195.4
115 58.8 51.6 77.4

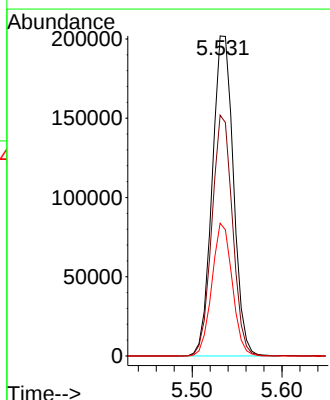
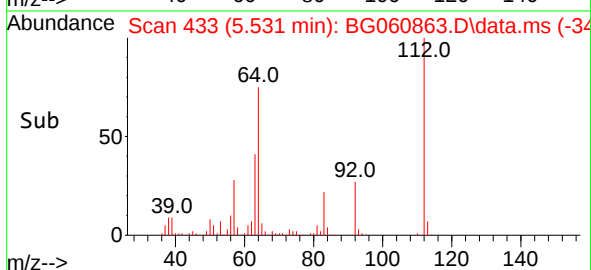
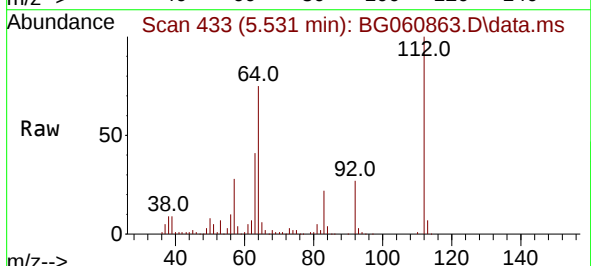
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#5
2-Fluorophenol
Concen: 83.418 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.004 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

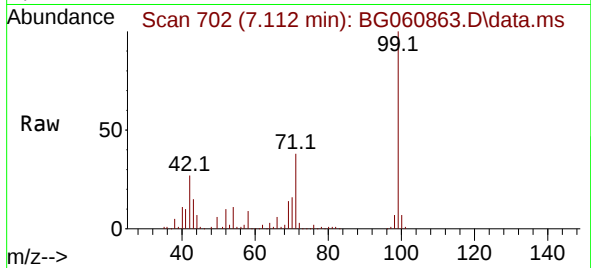
Tgt Ion:112 Resp: 331926
Ion Ratio Lower Upper
112 100
64 75.2 58.4 87.6
63 41.5 32.7 49.1





#7
Phenol-d6
Concen: 78.476 ng
RT: 7.112 min Scan# 702
Delta R.T. -0.004 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

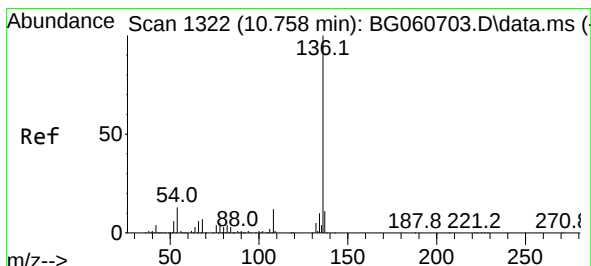
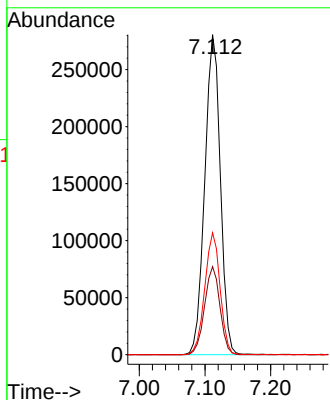
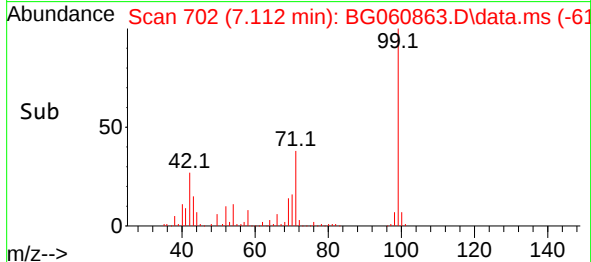
Instrument :
BNA_G
ClientSampleId :
TP-1



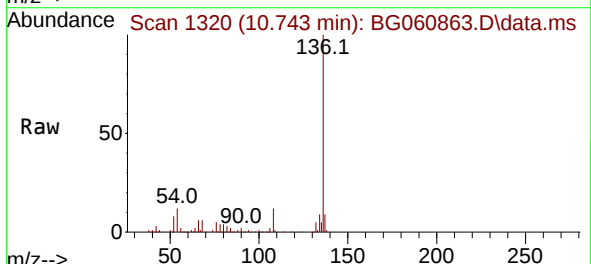
Tgt Ion: 99 Resp: 463514
Ion Ratio Lower Upper
99 100
42 27.5 19.4 29.2
71 38.1 28.2 42.2

Manual Integrations
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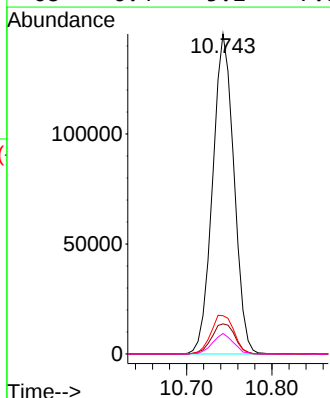
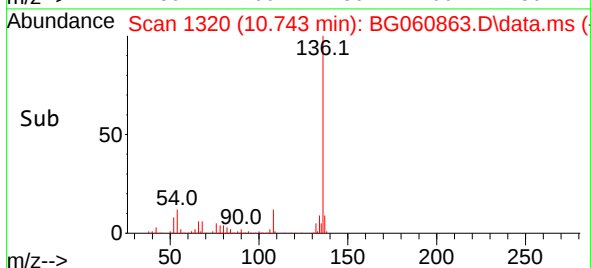
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.743 min Scan# 1320
Delta R.T. -0.015 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34



Tgt Ion:136 Resp: 252861
Ion Ratio Lower Upper
136 100
137 9.4 8.8 13.2
54 12.0 10.2 15.2
68 6.4 5.2 7.8





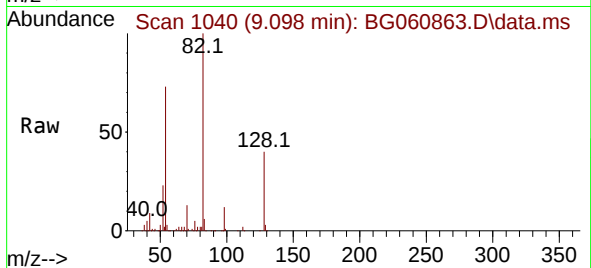
#23
Nitrobenzene-d5
Concen: 68.200 ng
RT: 9.098 min Scan# 1040
Delta R.T. -0.015 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1



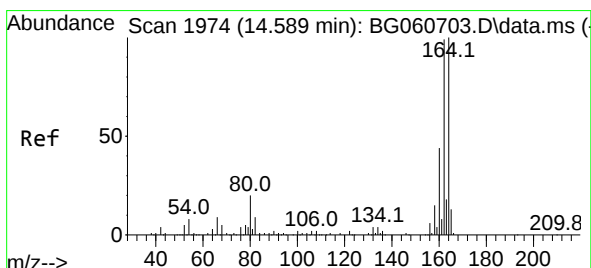
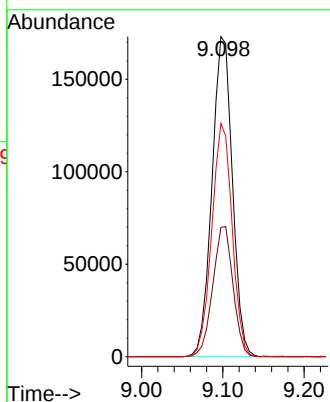
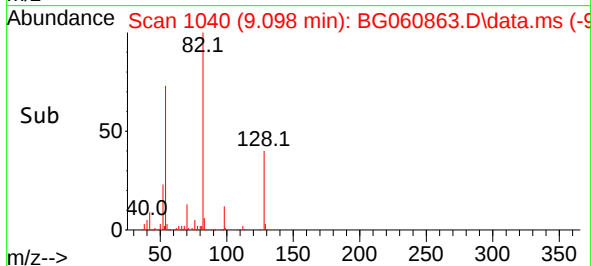
Tgt Ion: 82 Resp: 302218
Ion Ratio Lower Upper
82 100
128 40.4 31.2 46.8
54 72.8 53.2 79.8

Manual Integrations

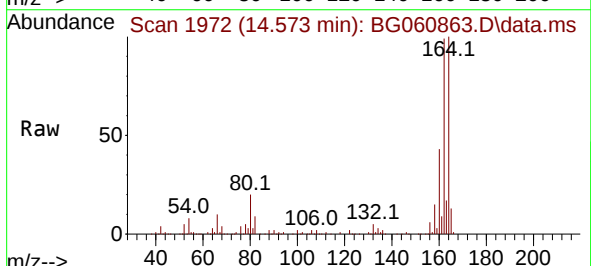
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Reviewed By :Yogesh Patel 04/12/2024

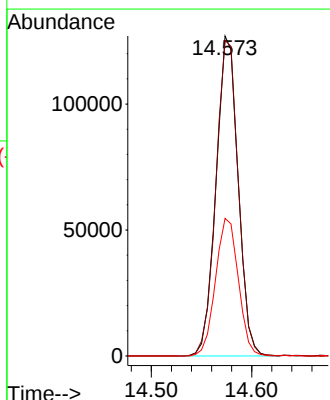
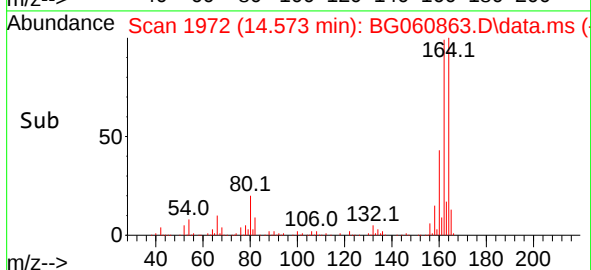
Supervised By :mohammad ahmed 04/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.573 min Scan# 1972
Delta R.T. -0.016 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34



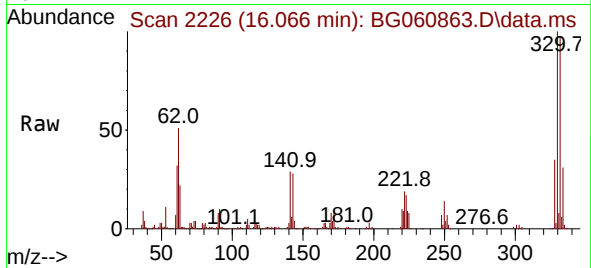
Tgt Ion:164 Resp: 193417
Ion Ratio Lower Upper
164 100
162 98.6 79.5 119.3
160 43.0 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 119.456 ng
RT: 16.066 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

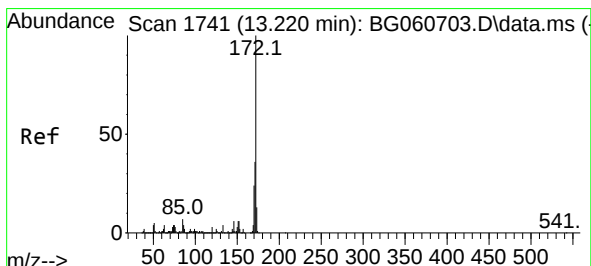
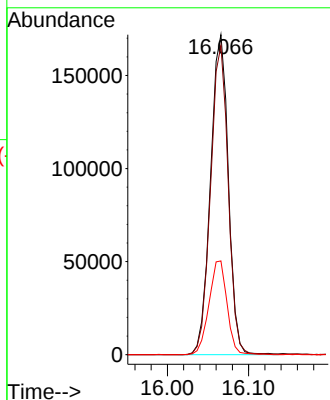
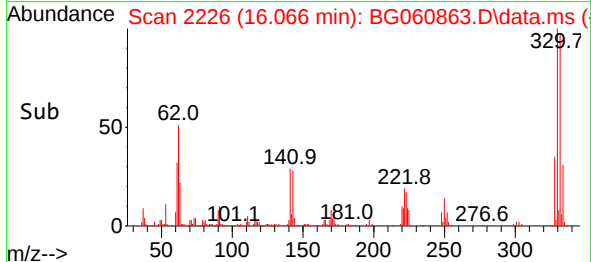
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:330 Resp: 262278
Ion Ratio Lower Upper
330 100
332 95.4 78.2 117.4
141 29.6 27.0 40.6

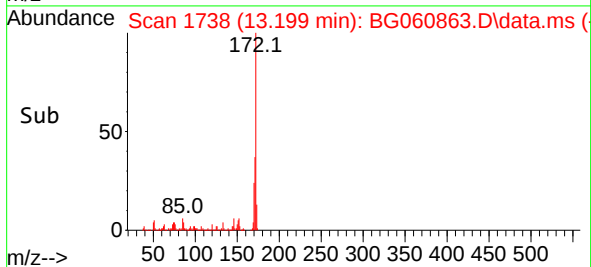
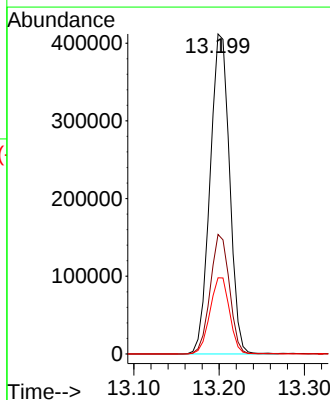
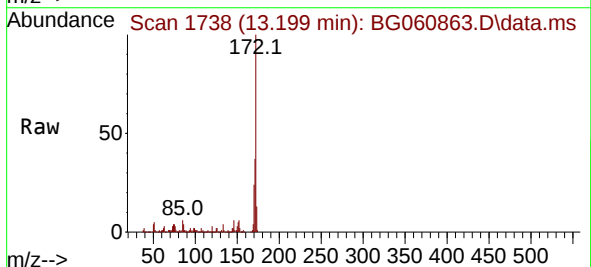
Manual Integrations
APPROVED

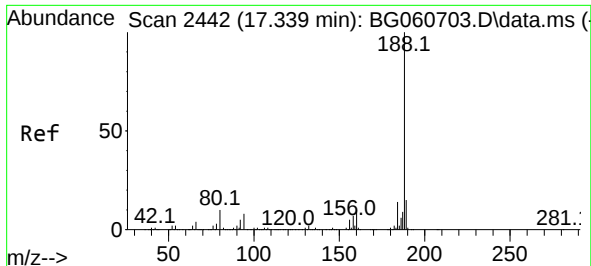
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#45
2-Fluorobiphenyl
Concen: 49.666 ng
RT: 13.199 min Scan# 1738
Delta R.T. -0.021 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

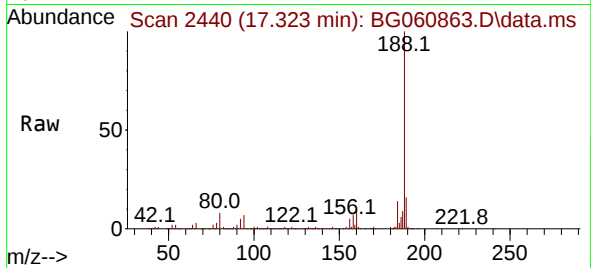
Tgt Ion:172 Resp: 654536
Ion Ratio Lower Upper
172 100
171 37.3 28.7 43.1
170 23.8 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.323 min Scan# 2442
Delta R.T. -0.016 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

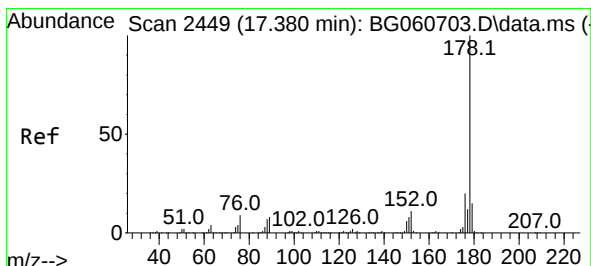
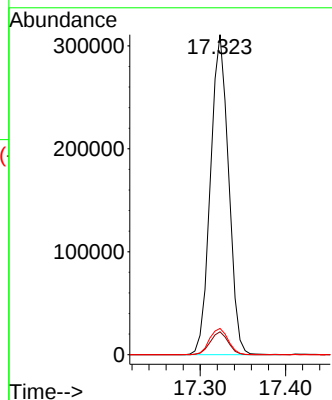
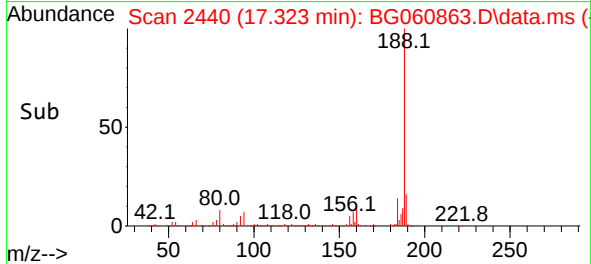
Instrument :
BNA_G
ClientSampleId :
TP-1



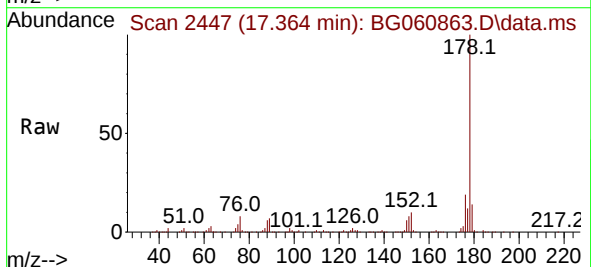
Tgt Ion:188 Resp: 457850
Ion Ratio Lower Upper
188 100
94 7.2 6.6 9.8
80 8.2 7.6 11.4

Manual Integrations
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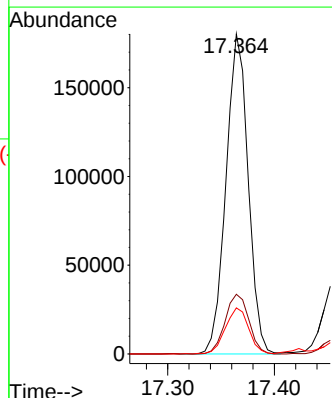
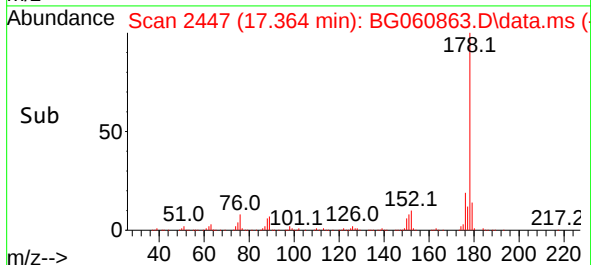
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024

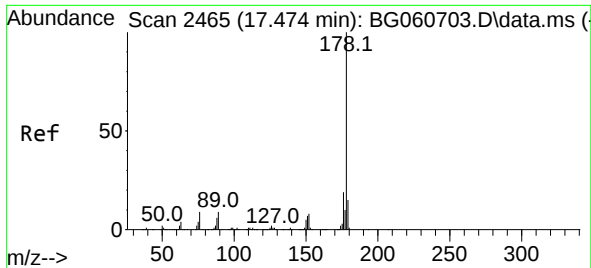


#71
Phenanthrene
Concen: 10.945 ng
RT: 17.364 min Scan# 2447
Delta R.T. -0.015 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34



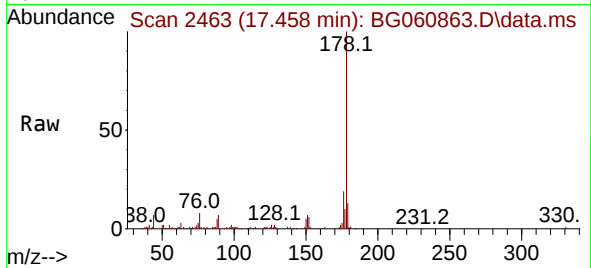
Tgt Ion:178 Resp: 260617
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 14.4 12.2 18.4





#72
 Anthracene
 Concen: 2.363 ng
 RT: 17.458 min Scan# 2465
 Delta R.T. -0.016 min
 Lab File: BG060863.D
 Acq: 11 Apr 2024 17:34

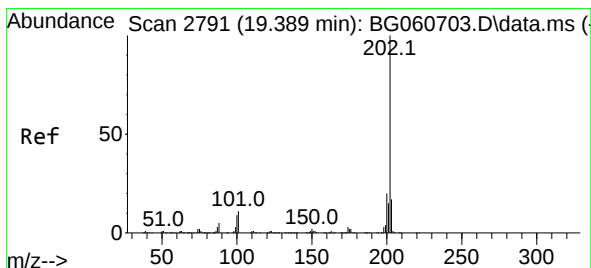
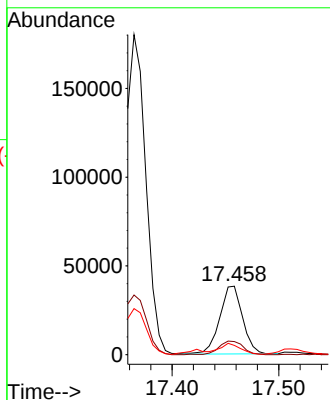
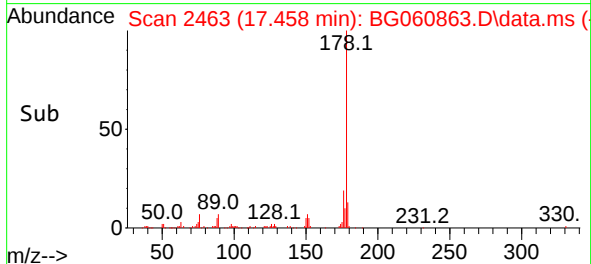
Instrument :
 BNA_G
 ClientSampleId :
 TP-1



Tgt Ion:178 Resp: 5715
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.5 23.3
 179 13.5 12.2 18.2

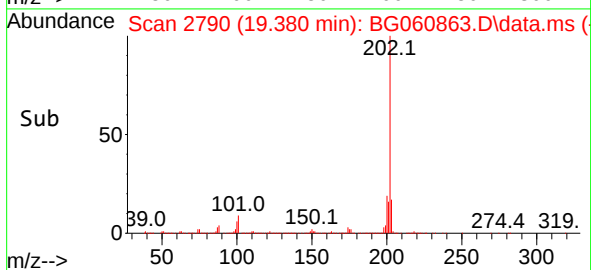
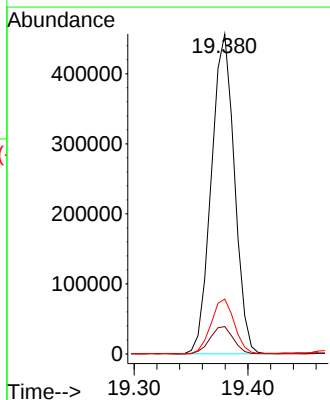
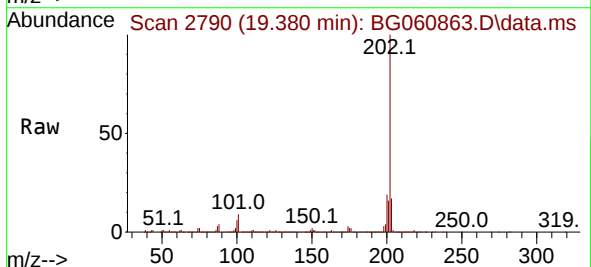
Manual Integrations
 APPROVED

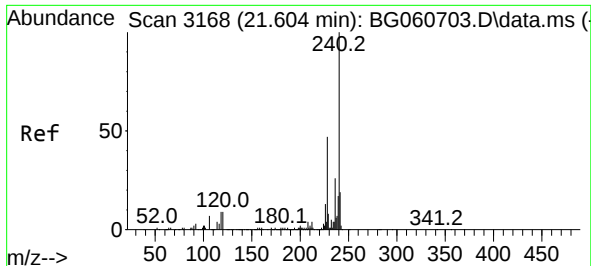
Reviewed By :Yogesh Patel 04/12/2024
 Supervised By :mohammad ahmed 04/17/2024



#75
 Fluoranthene
 Concen: 22.291 ng
 RT: 19.380 min Scan# 2790
 Delta R.T. -0.010 min
 Lab File: BG060863.D
 Acq: 11 Apr 2024 17:34

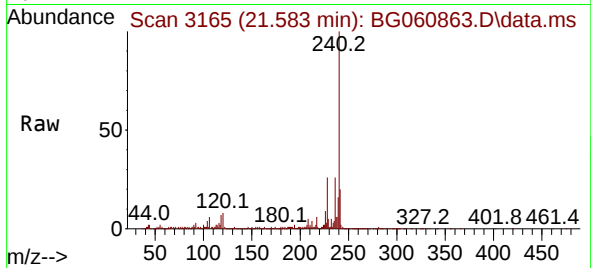
Tgt Ion:202 Resp: 644086
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 30.8
 203 17.1 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3165
Delta R.T. -0.021 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

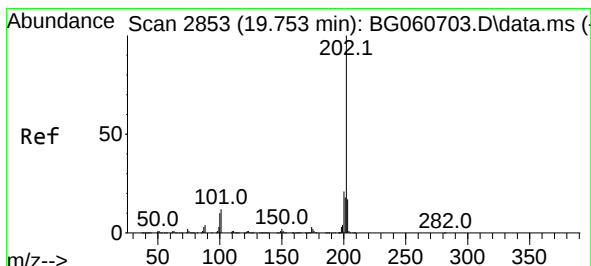
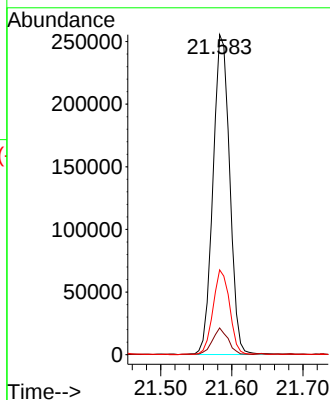
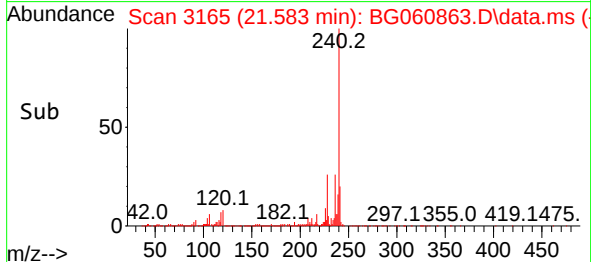
Instrument :
BNA_G
ClientSampleId :
TP-1



Tgt Ion:240 Resp: 414720
Ion Ratio Lower Upper
240 100
120 8.3 7.1 10.7
236 26.5 20.7 31.1

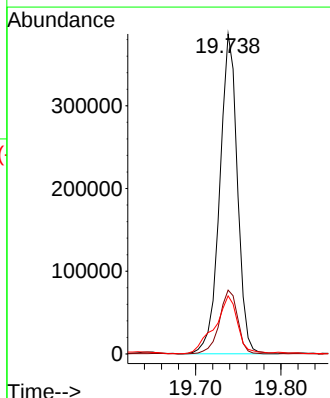
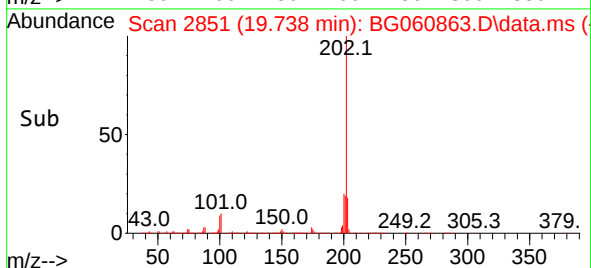
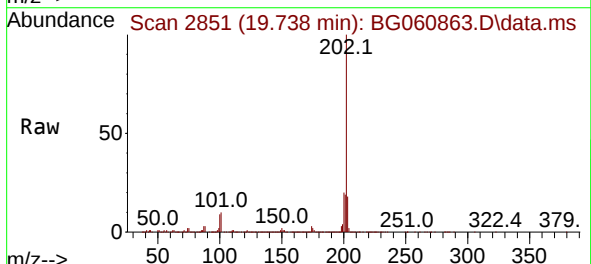
Manual Integrations
APPROVED

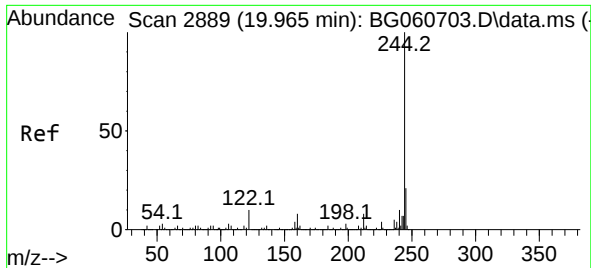
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#78
Pyrene
Concen: 19.187 ng
RT: 19.738 min Scan# 2851
Delta R.T. -0.015 min
Lab File: BG060863.D
Acq: 11 Apr 2024 17:34

Tgt Ion:202 Resp: 556514
Ion Ratio Lower Upper
202 100
200 19.9 17.0 25.4
203 18.2 14.0 21.0





#79
 Terphenyl-d14
 Concen: 48.287 ng
 RT: 19.950 min Scan# 2889
 Delta R.T. -0.015 min
 Lab File: BG060863.D
 Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

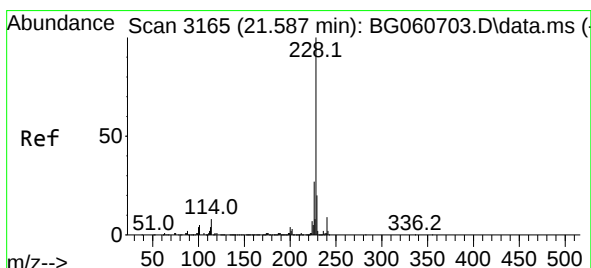
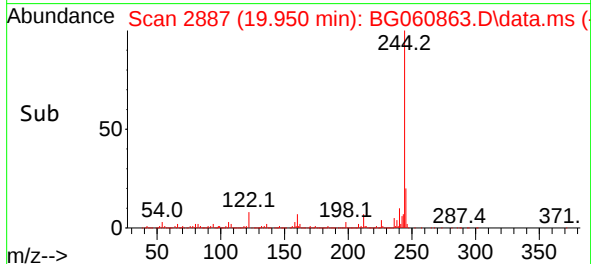
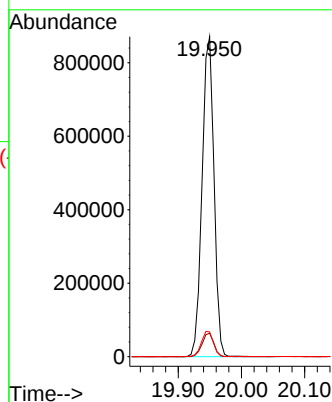
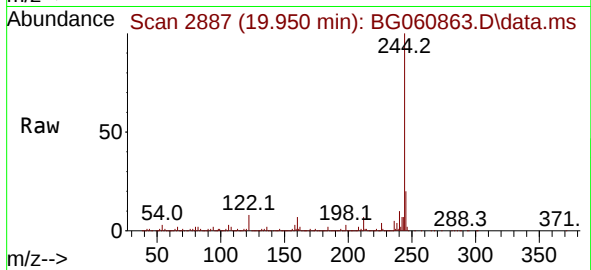
TP-1

Tgt Ion:244 Resp: 113728
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 7.7 7.8 11.8

Manual Integrations

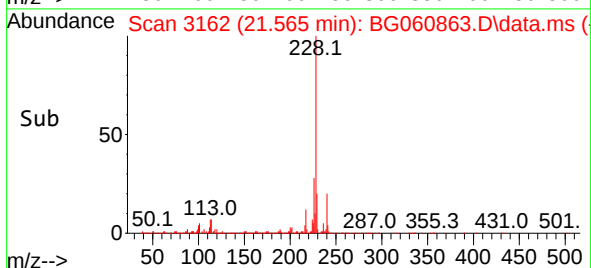
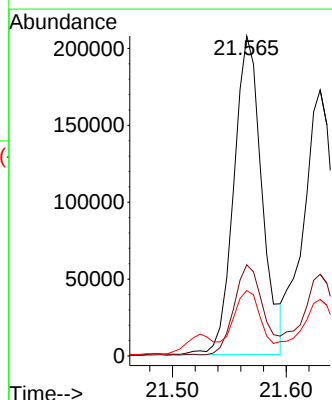
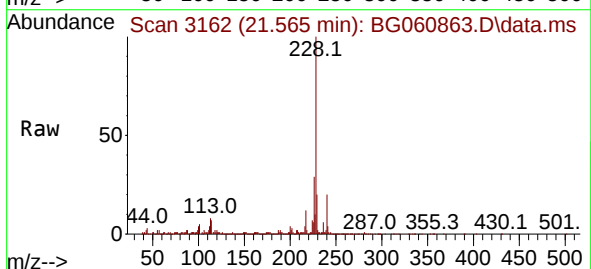
APPROVED

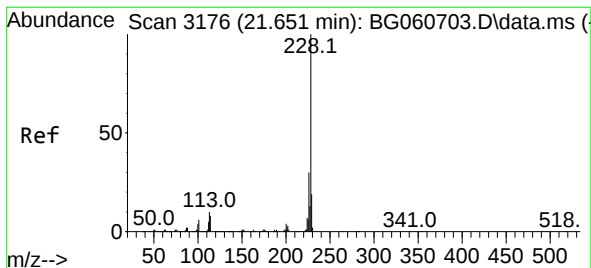
Reviewed By :Yogesh Patel 04/12/2024
 Supervised By :mohammad ahmed 04/17/2024



#81
 Benzo(a)anthracene
 Concen: 12.169 ng
 RT: 21.565 min Scan# 3162
 Delta R.T. -0.021 min
 Lab File: BG060863.D
 Acq: 11 Apr 2024 17:34

Tgt Ion:228 Resp: 355754
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.7 32.5
 229 20.5 15.8 23.8





#83

Chrysene

Concen: 11.235 ng

RT: 21.630 min Scan# 3176

Delta R.T. -0.021 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

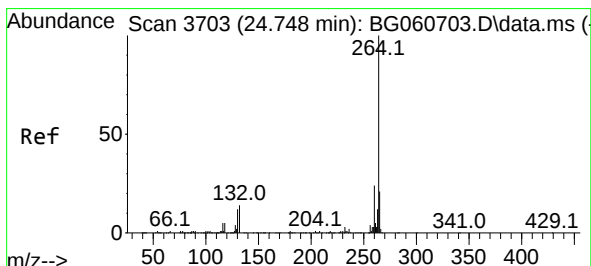
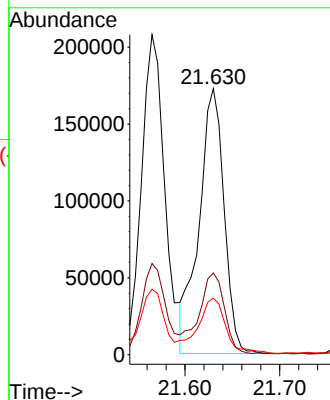
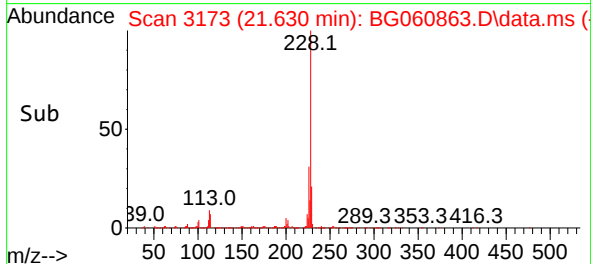
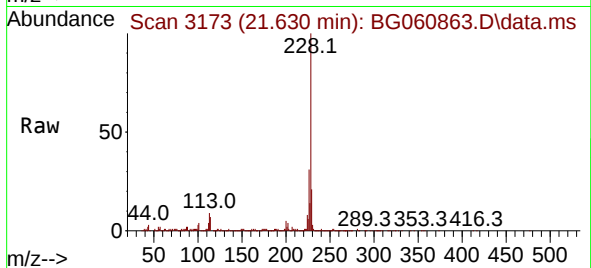
Tgt Ion:228 Resp: 316558
 Ion Ratio Lower Upper
 228 100
 226 30.7 24.2 36.4
 229 21.3 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#86

Perylene-d12

Concen: 20.000 ng

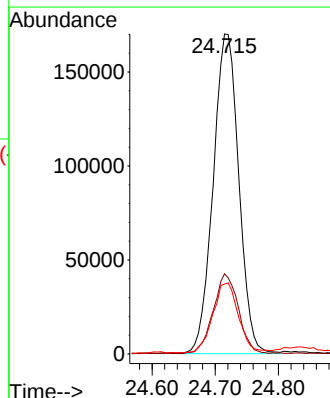
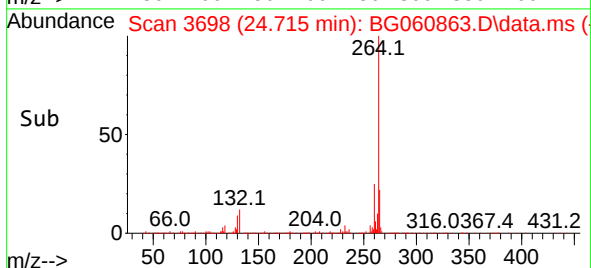
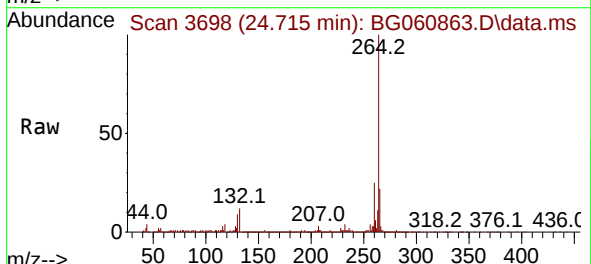
RT: 24.715 min Scan# 3698

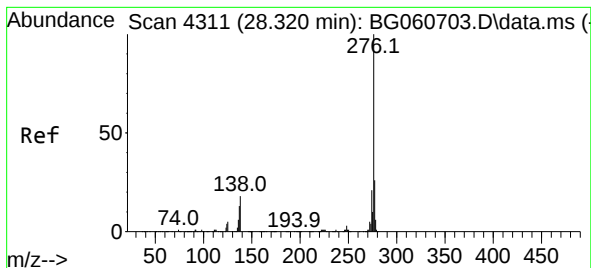
Delta R.T. -0.033 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Tgt Ion:264 Resp: 478951
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.5 29.3
 265 21.8 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.761 ng

RT: 28.263 min Scan# 41

Delta R.T. -0.057 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

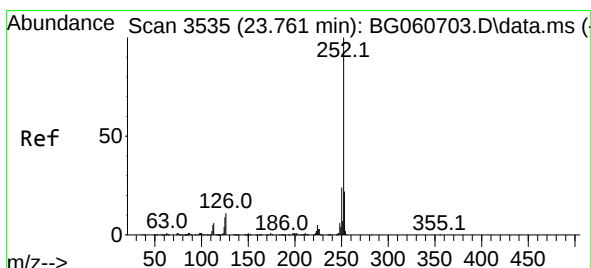
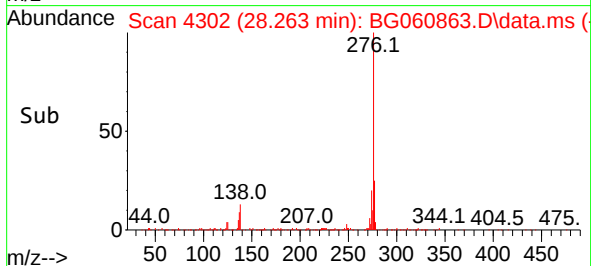
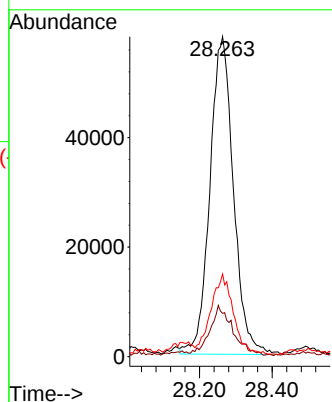
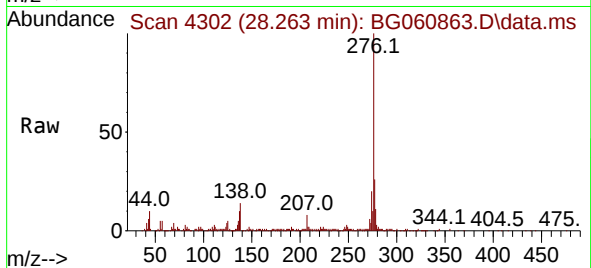
Tgt Ion:	276	Resp:	261762
Ion Ratio	Lower	Upper	
276	100		
138	15.1	12.4	18.6
277	24.9	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#88

Benzo(b)fluoranthene

Concen: 17.887 ng

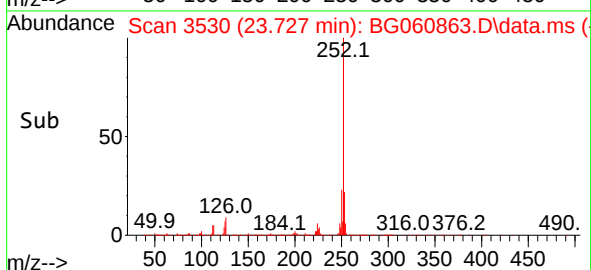
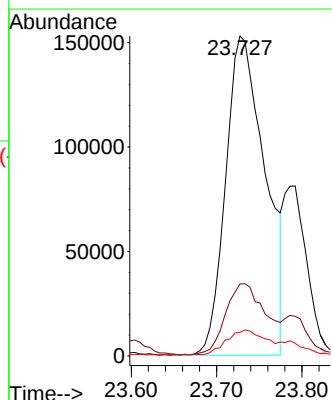
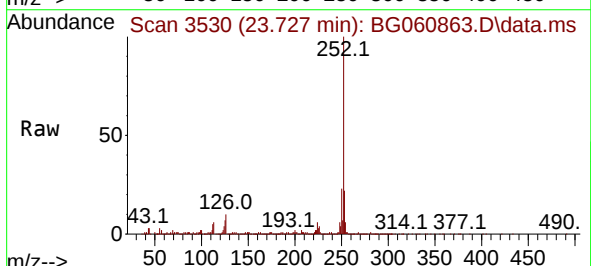
RT: 23.727 min Scan# 3530

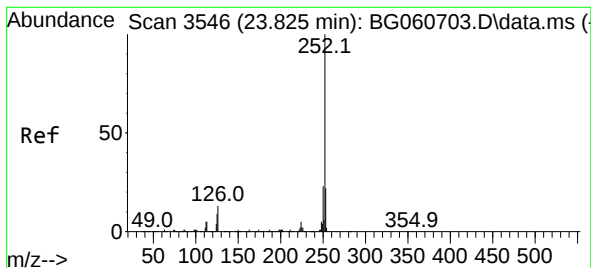
Delta R.T. -0.033 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Tgt Ion:	252	Resp:	492176
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.8	26.8
125	7.4	7.1	10.7





#89

Benzo(k)fluoranthene

Concen: 5.339 ng m

RT: 23.792 min Scan# 3

Delta R.T. -0.033 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

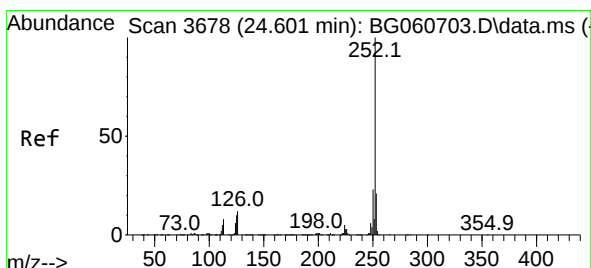
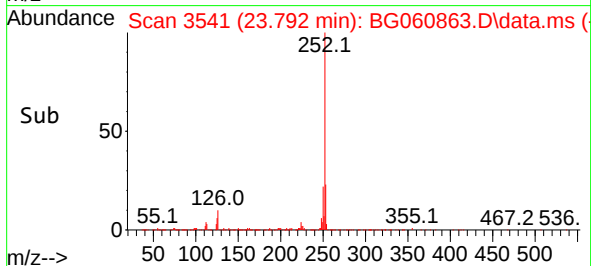
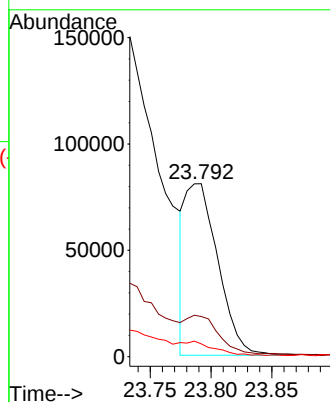
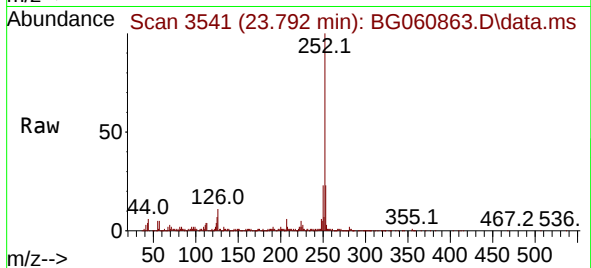
Tgt Ion:252 Resp: 150374
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.6 26.4
 125 7.4 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#90

Benzo(a)pyrene

Concen: 12.649 ng

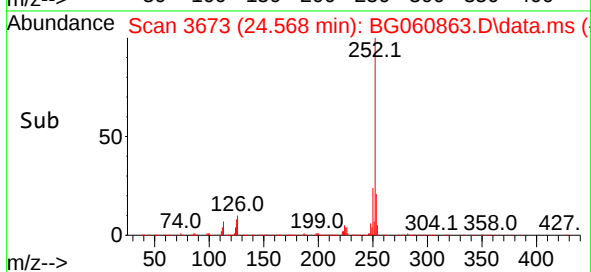
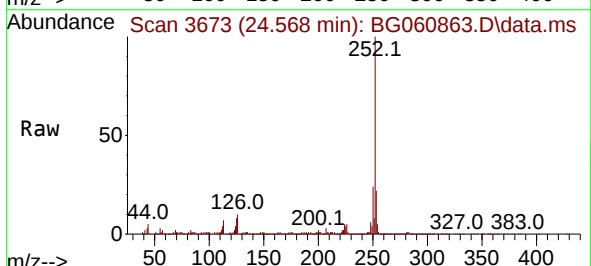
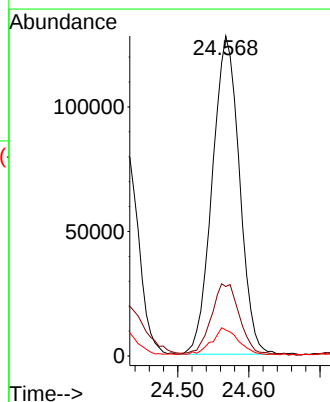
RT: 24.568 min Scan# 3673

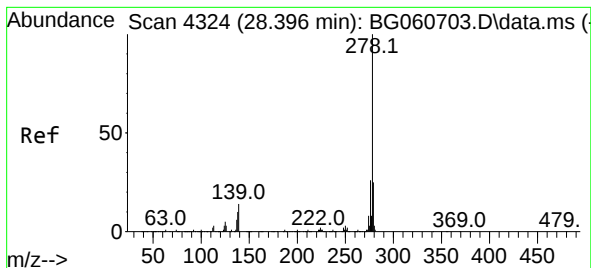
Delta R.T. -0.033 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Tgt Ion:252 Resp: 338232
 Ion Ratio Lower Upper
 252 100
 253 21.7 16.8 25.2
 125 8.1 7.6 11.4





#91

Dibenzo(a,h)anthracene

Concen: 2.246 ng

RT: 28.299 min Scan# 41

Delta R.T. -0.098 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Instrument :

BNA_G

ClientSampleId :

TP-1

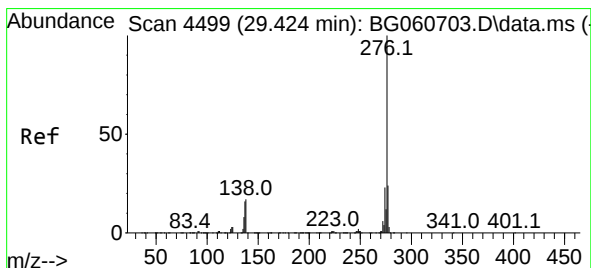
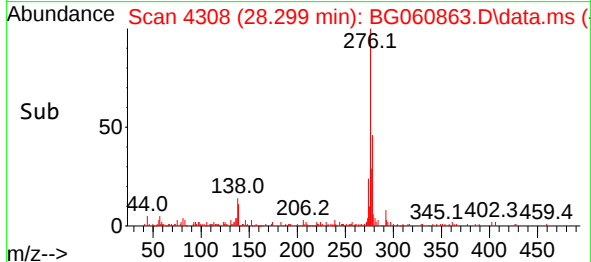
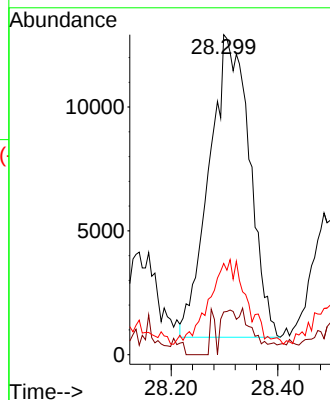
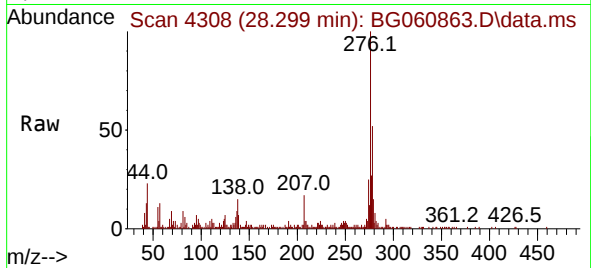
Tgt Ion:	278	Resp:	63849
Ion Ratio	Lower	Upper	
278	100		
139	13.4	11.1	16.7
279	28.5	19.8	29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#92

Benzo(g,h,i)perylene

Concen: 8.782 ng

RT: 29.356 min Scan# 4488

Delta R.T. -0.068 min

Lab File: BG060863.D

Acq: 11 Apr 2024 17:34

Tgt Ion:	276	Resp:	242877
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.9	28.3
138	15.1	14.0	21.0

