

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
 Data File : BG058864.D
 Acq On : 26 Aug 2023 00:56
 Operator : MA/JU
 Sample : 04110-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-1(X-X)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023

Quant Time: Aug 26 09:20:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 09:13:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.801	152	19760	20.000	ng	-0.03
21) Naphthalene-d8	10.603	136	77761	20.000	ng	-0.03
39) Acenaphthene-d10	14.452	164	54201	20.000	ng	-0.02
64) Phenanthrene-d10	17.196	188	127441	20.000	ng	-0.03
76) Chrysene-d12	21.438	240	119272	20.000	ng	-0.03
86) Perylene-d12	24.499	264	145297	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.380	112	98167	79.947	ng	-0.02
7) Phenol-d6	6.978	99	133249	77.346	ng	-0.03
23) Nitrobenzene-d5	8.970	82	86260	53.332	ng	-0.03
42) 2,4,6-Tribromophenol	15.944	330	65759	77.376	ng	-0.03
45) 2-Fluorobiphenyl	13.071	172	184055	49.390	ng	-0.03
79) Terphenyl-d14	19.816	244	293727	44.219	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.243	178	29202	4.773	ng	98
75) Fluoranthene	19.252	202	74318	9.795	ng	97
78) Pyrene	19.616	202	73072	8.793	ng	97
81) Benzo(a)anthracene	21.420	228	52171	6.284	ng	95
83) Chrysene	21.485	228	49557	6.193	ng	95
87) Indeno(1,2,3-cd)pyrene	27.983	276	31136	3.167	ng	# 96
88) Benzo(b)fluoranthene	23.535	252	66032	8.191	ng	99
89) Benzo(k)fluoranthene	23.588	252	20886m	2.512	ng	
90) Benzo(a)pyrene	24.358	252	47031	5.925	ng	# 97
92) Benzo(g,h,i)perylene	29.064	276	28083	3.477	ng	97

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

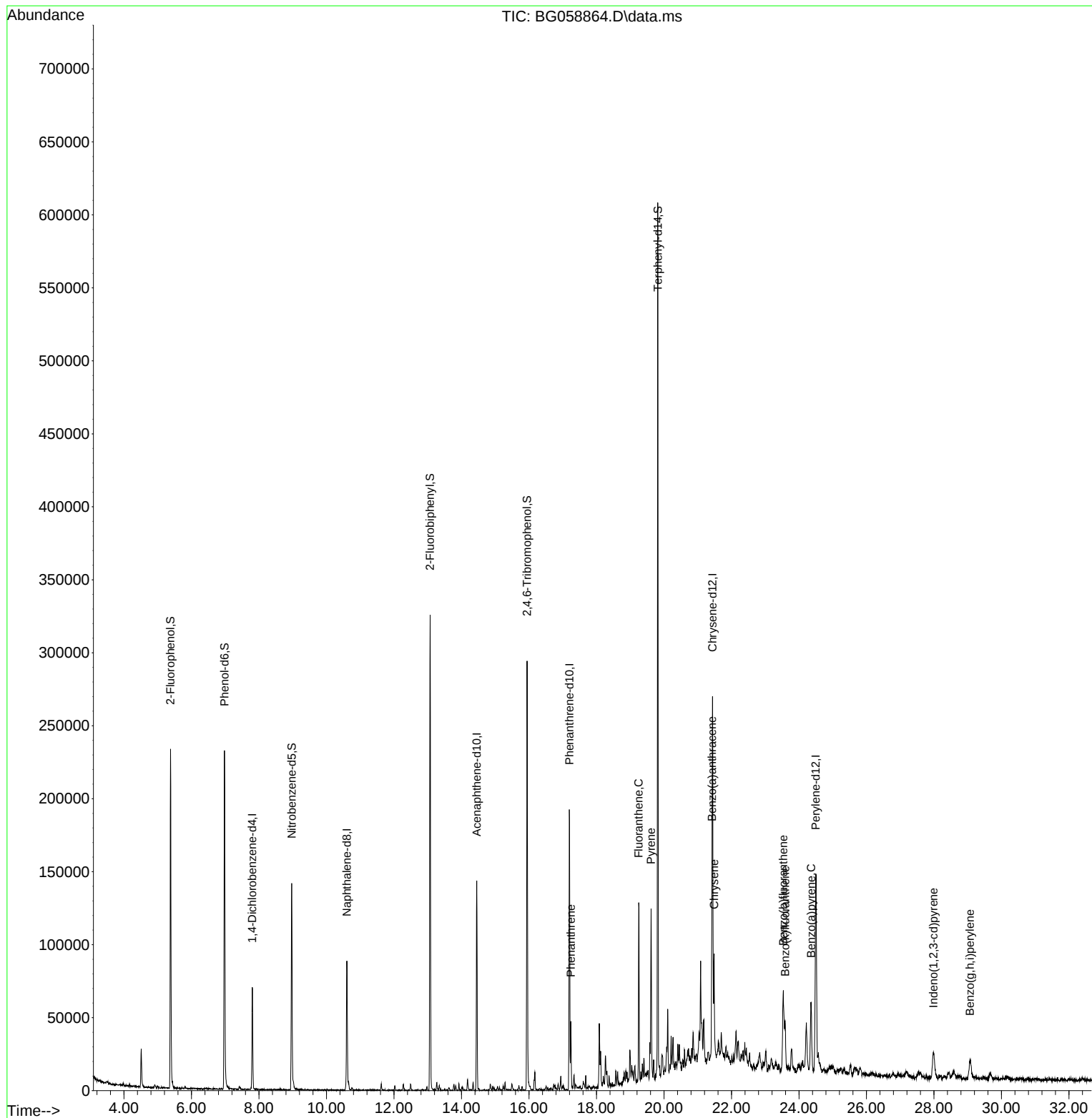
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
Data File : BG058864.D
Acq On : 26 Aug 2023 00:56
Operator : MA/JU
Sample : 04110-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

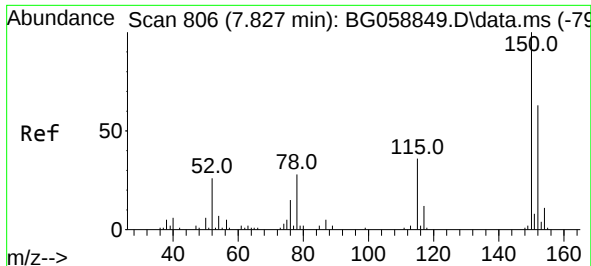
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)

Quant Time: Aug 26 09:20:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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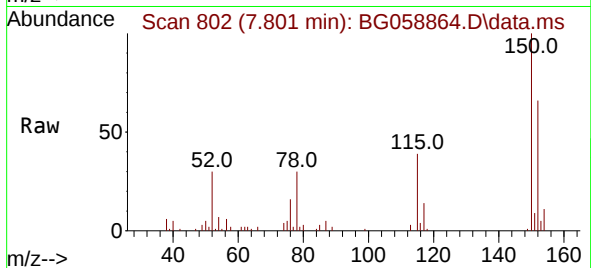
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.801 min Scan# 806
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

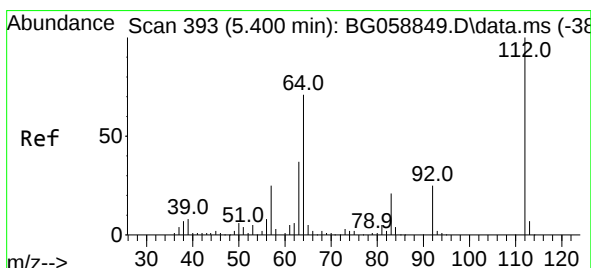
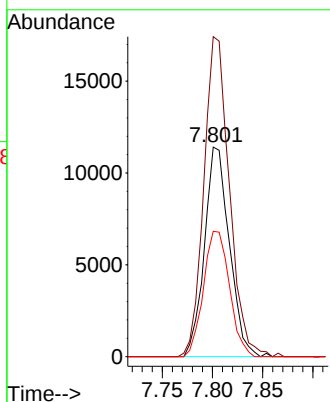
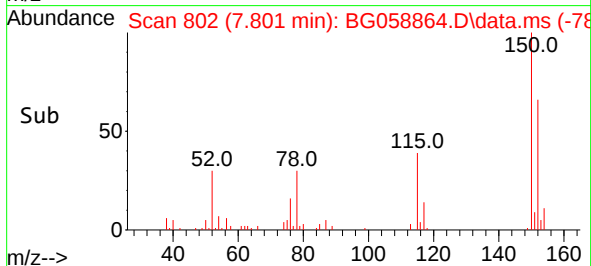
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)



Tgt Ion:152 Resp: 19760
Ion Ratio Lower Upper
152 100
150 152.6 128.6 192.8
115 59.8 50.4 75.6

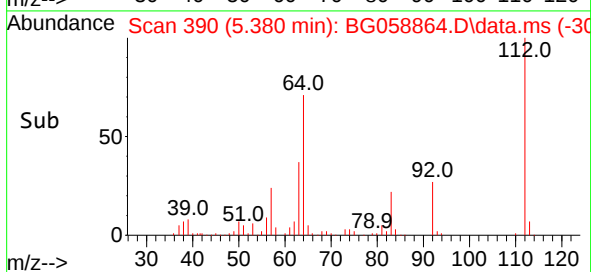
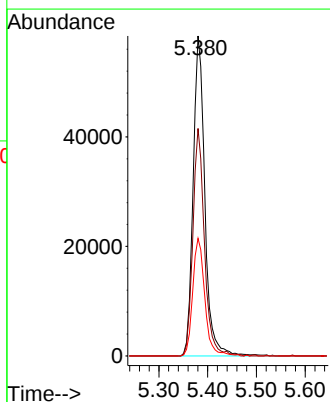
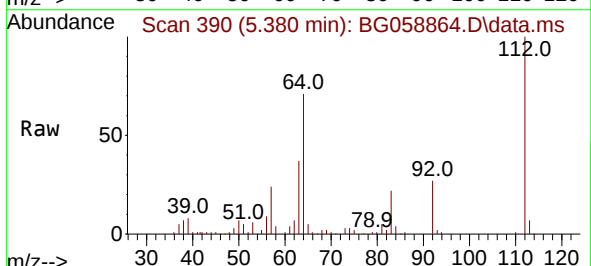
Manual Integrations
APPROVED

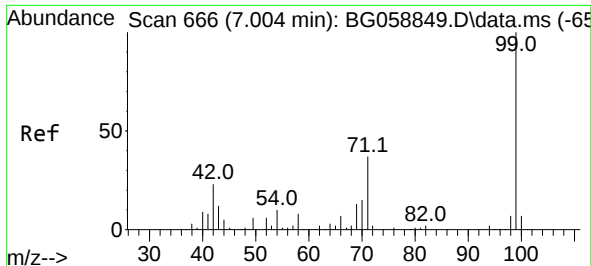
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#5
2-Fluorophenol
Concen: 79.947 ng
RT: 5.380 min Scan# 390
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:112 Resp: 98167
Ion Ratio Lower Upper
112 100
64 71.1 60.6 90.8
63 36.8 31.0 46.4





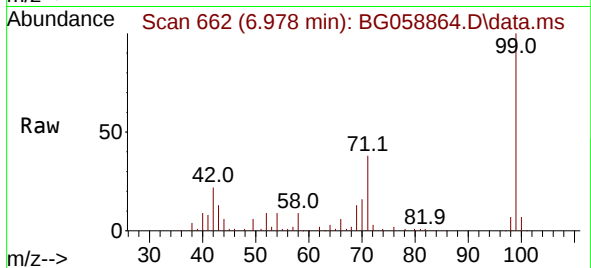
#7
Phenol-d6
Concen: 77.346 ng
RT: 6.978 min Scan# 60
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

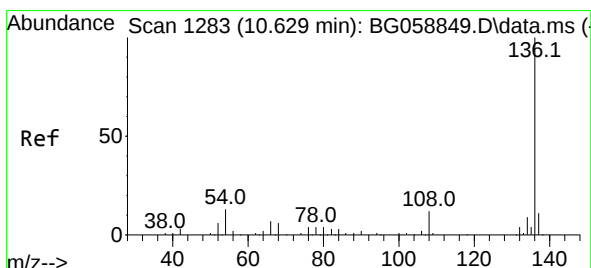
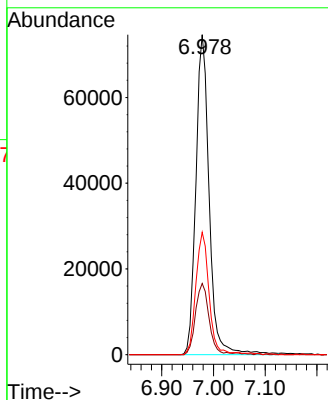
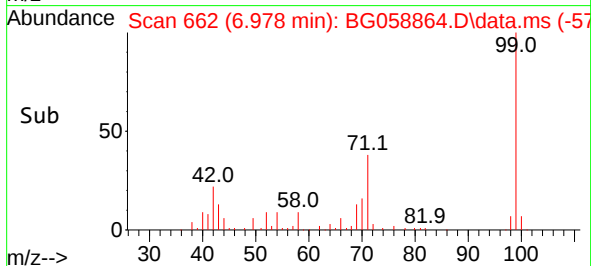


Tgt Ion: 99 Resp: 133249
Ion Ratio Lower Upper
99 100
42 22.3 16.5 24.7
71 38.3 28.4 42.6

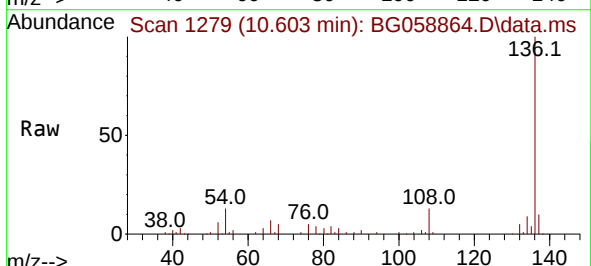
Manual Integrations

APPROVED

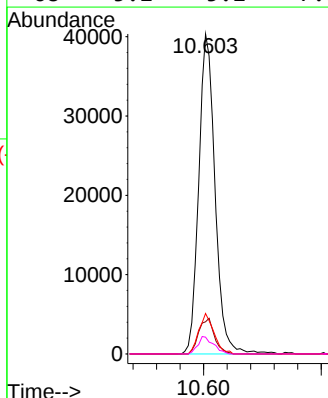
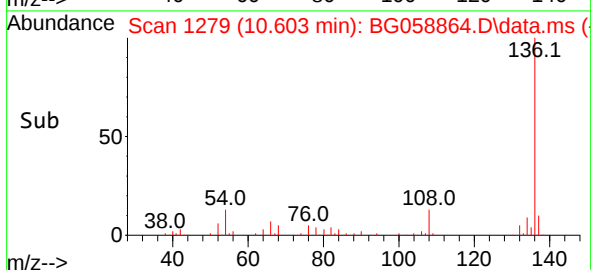
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Supervised By :mohammad ahmed 08/28/2023

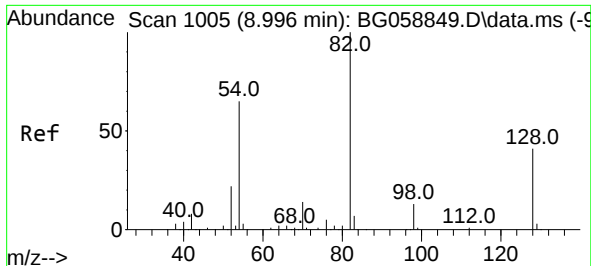


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.603 min Scan# 1279
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56



Tgt Ion:136 Resp: 77761
Ion Ratio Lower Upper
136 100
137 10.0 8.7 13.1
54 12.6 10.1 15.1
68 5.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 53.332 ng
RT: 8.970 min Scan# 1005
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

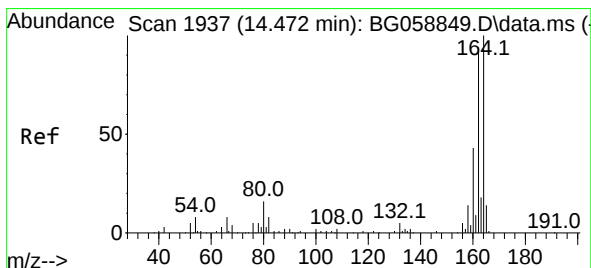
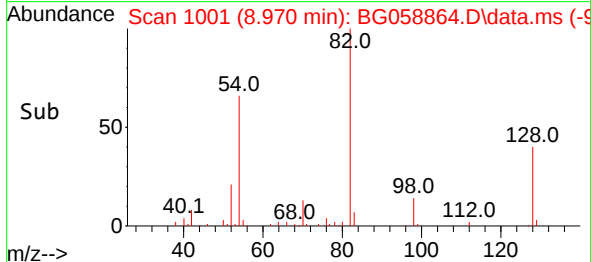
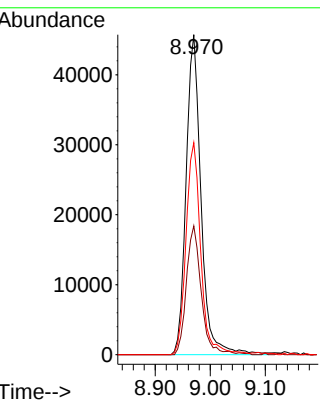
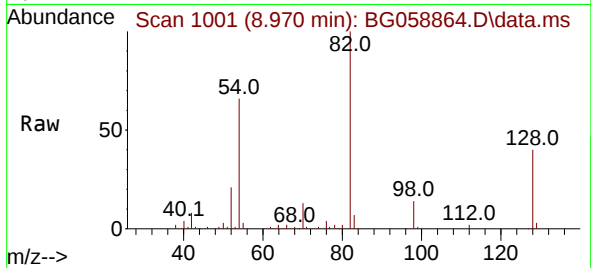
DUP-1(X-X)

Tgt Ion: 82 Resp: 86260
Ion Ratio Lower Upper
82 100
128 40.2 33.2 49.8
54 66.3 51.2 76.8

Manual Integrations

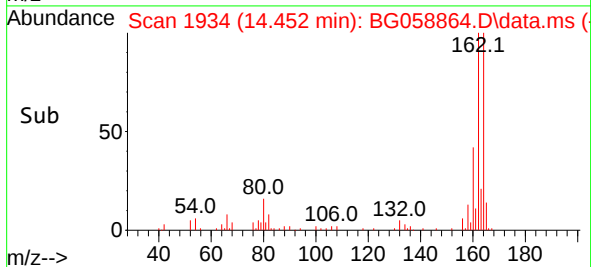
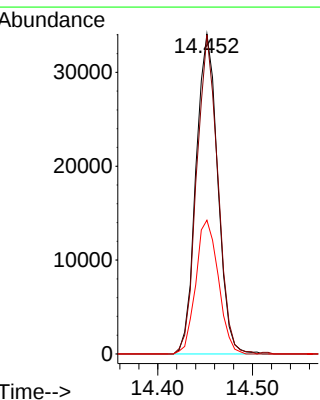
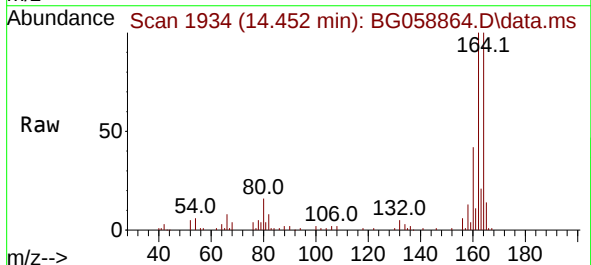
APPROVED

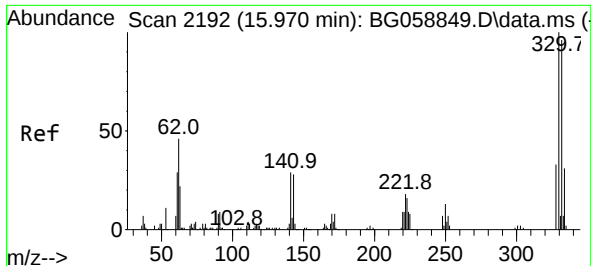
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.452 min Scan# 1934
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:164 Resp: 54201
Ion Ratio Lower Upper
164 100
162 99.7 79.6 119.4
160 41.8 34.0 51.0





#42
2,4,6-Tribromophenol
Concen: 77.376 ng
RT: 15.944 min Scan# 2192
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

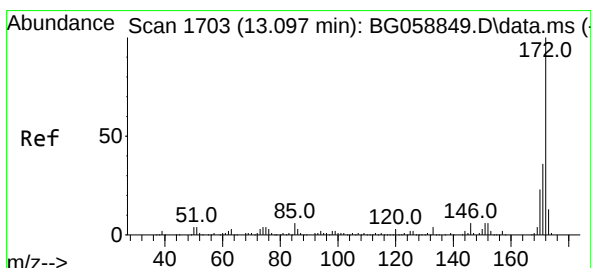
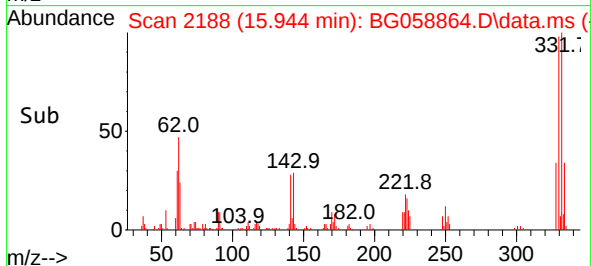
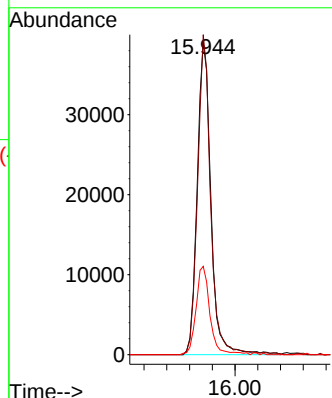
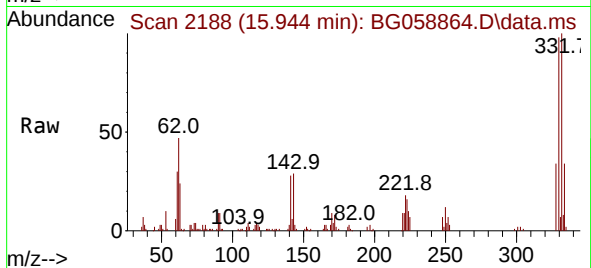
DUP-1(X-X)

Tgt Ion:330 Resp: 65759
Ion Ratio Lower Upper
330 100
332 97.4 78.5 117.7
141 28.5 23.0 34.6

Manual Integrations

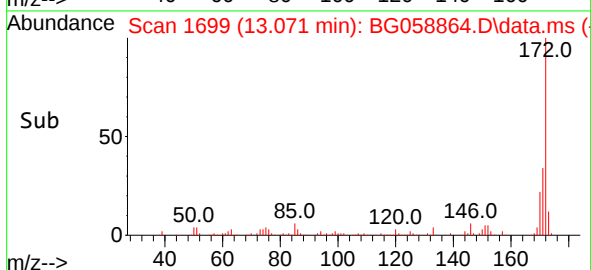
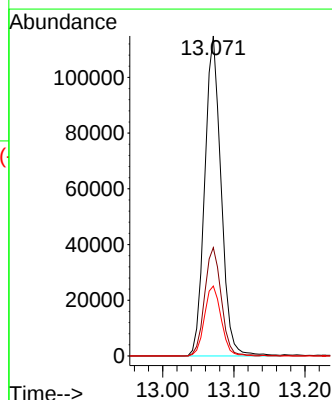
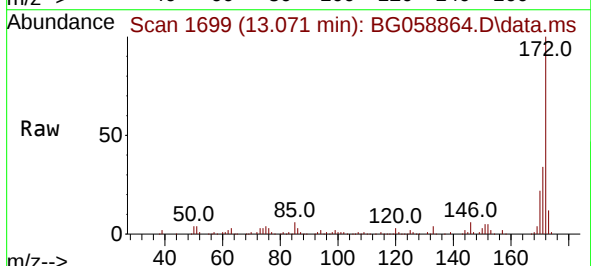
APPROVED

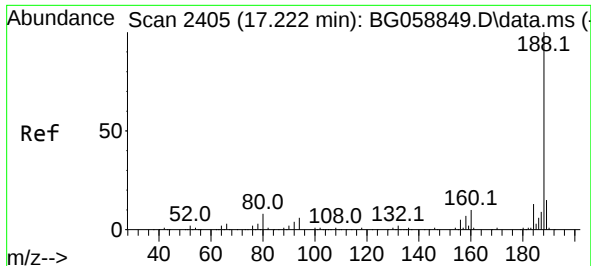
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#45
2-Fluorobiphenyl
Concen: 49.390 ng
RT: 13.071 min Scan# 1699
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

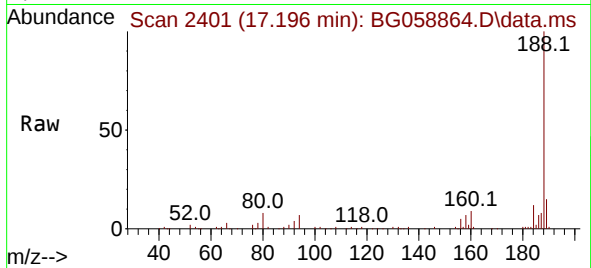
Tgt Ion:172 Resp: 184055
Ion Ratio Lower Upper
172 100
171 33.8 28.1 42.1
170 21.8 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.196 min Scan# 2401
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

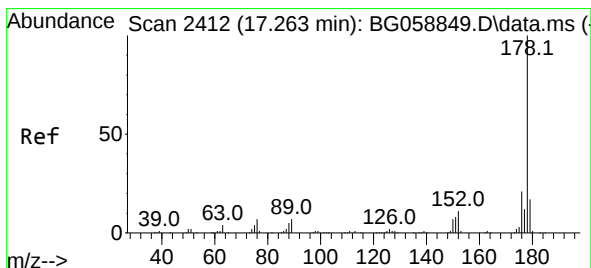
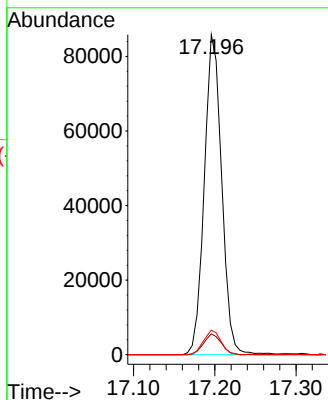
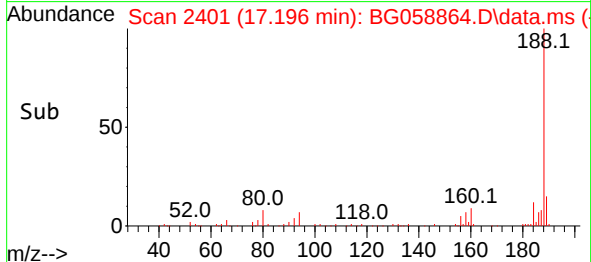
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)



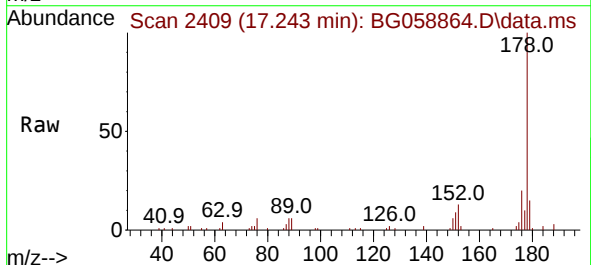
Tgt Ion:188 Resp: 12744
Ion Ratio Lower Upper
188 100
94 6.5 6.1 9.1
80 7.6 6.9 10.3

Manual Integrations
APPROVED

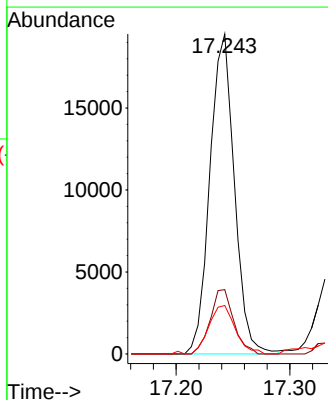
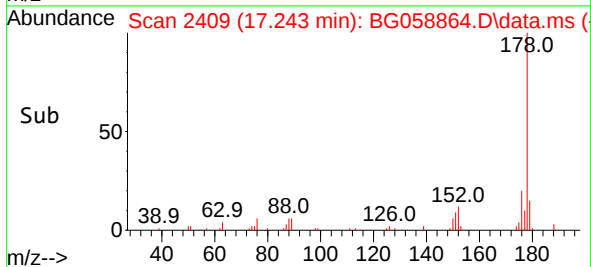
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

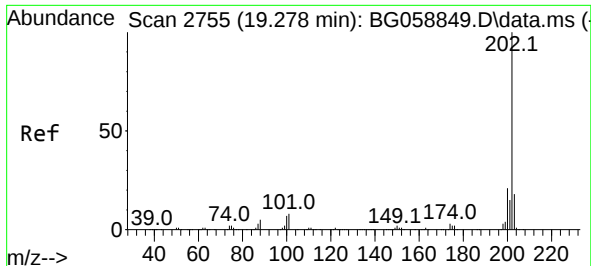


#71
Phenanthrene
Concen: 4.773 ng
RT: 17.243 min Scan# 2409
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56



Tgt Ion:178 Resp: 29202
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.1 13.0 19.4





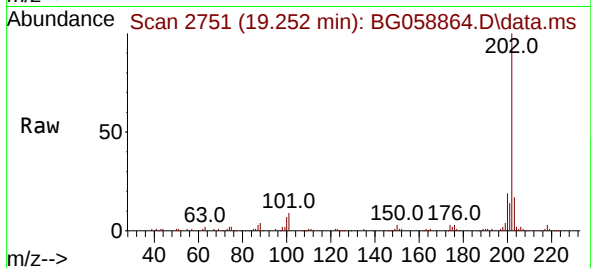
#75
Fluoranthene
Concen: 9.795 ng
RT: 19.252 min Scan# 21
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

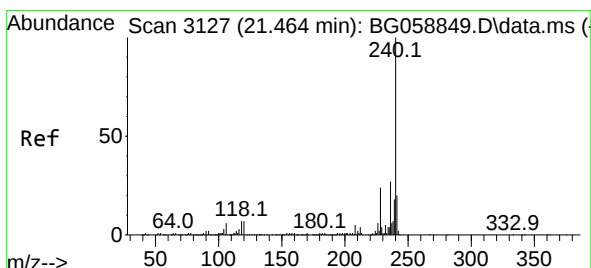
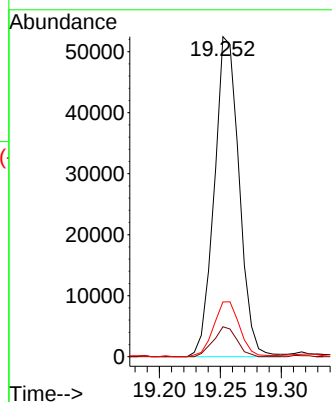
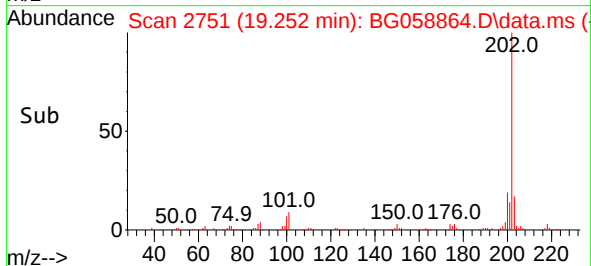


Tgt Ion:202 Resp: 74318
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.7
203 17.1 0.0 38.7

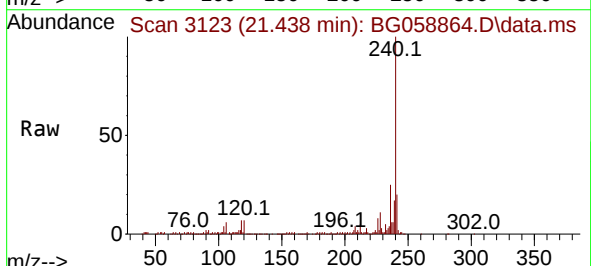
Manual Integrations

APPROVED

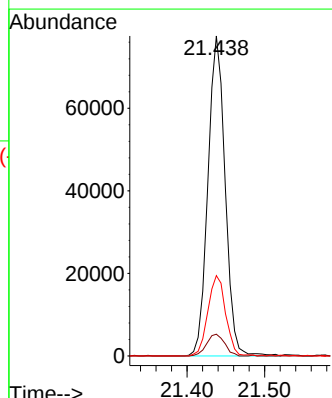
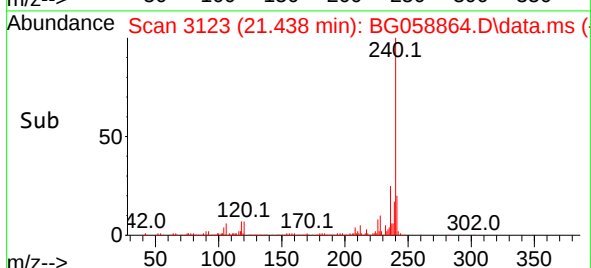
Reviewed By :Yogesh Patel 08/28/2023
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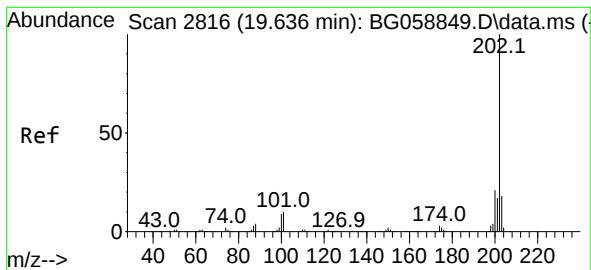


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.438 min Scan# 3123
Delta R.T. -0.026 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56



Tgt Ion:240 Resp: 119272
Ion Ratio Lower Upper
240 100
120 6.8 6.2 9.2
236 25.1 20.5 30.7





#78

Pyrene

Concen: 8.793 ng

RT: 19.616 min Scan# 2813

Delta R.T. -0.020 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

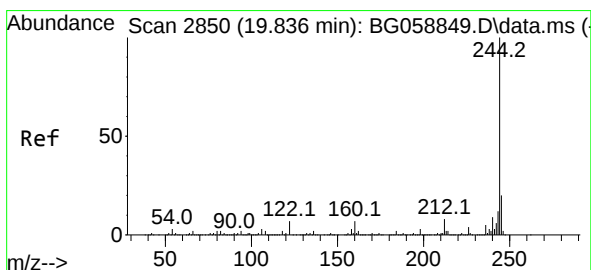
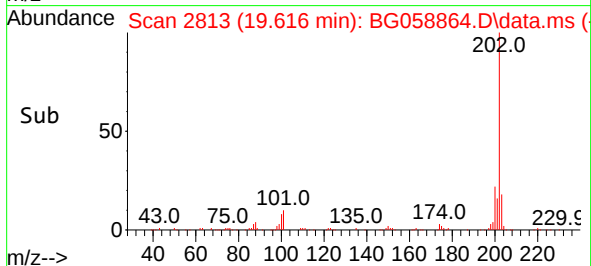
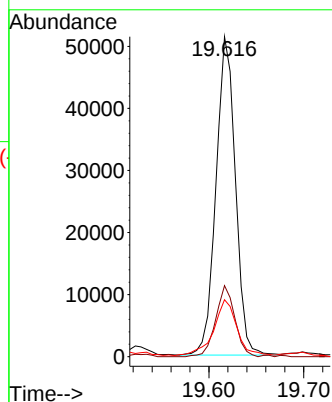
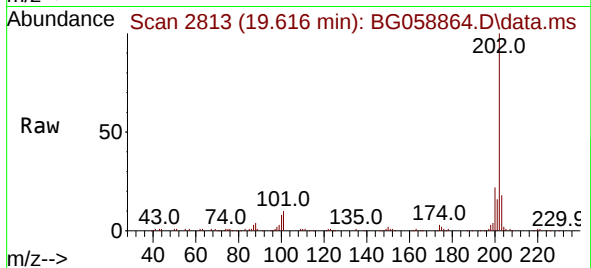
Tgt Ion:	202	Resp:	73072
Ion Ratio	Lower	Upper	
202	100		
200	22.2	16.7	25.1
203	17.8	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023

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#79

Terphenyl-d14

Concen: 44.219 ng

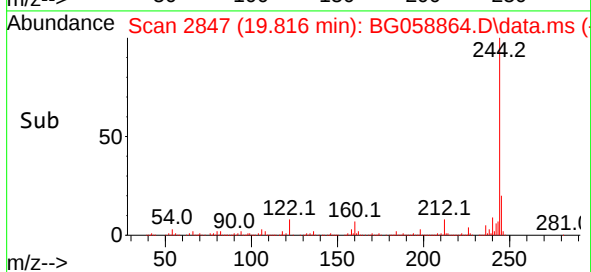
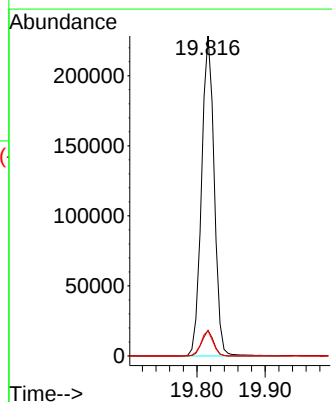
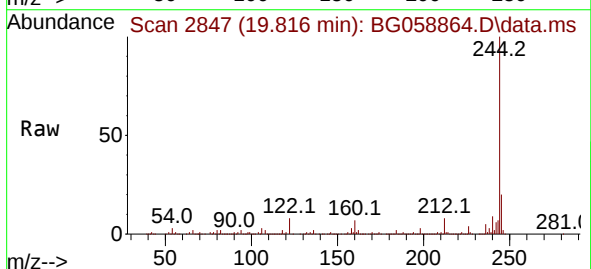
RT: 19.816 min Scan# 2847

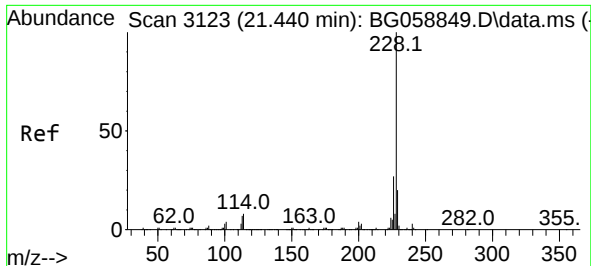
Delta R.T. -0.020 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

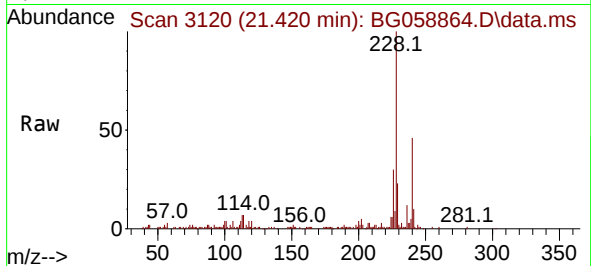
Tgt Ion:	244	Resp:	293727
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.2	9.2
122	7.9	6.3	9.5





#81
Benzo(a)anthracene
Concen: 6.284 ng
RT: 21.420 min Scan# 3123
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

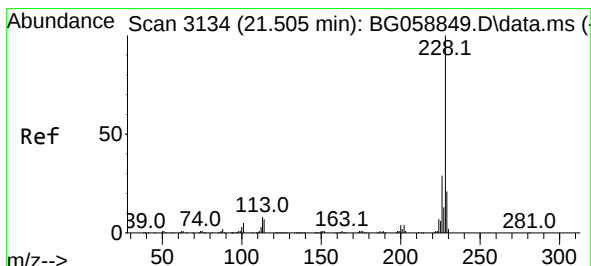
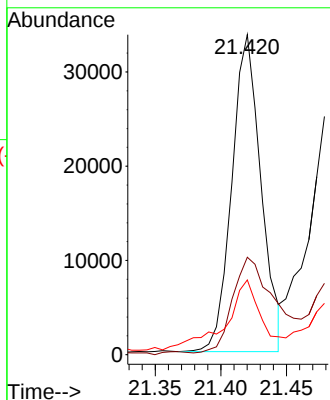
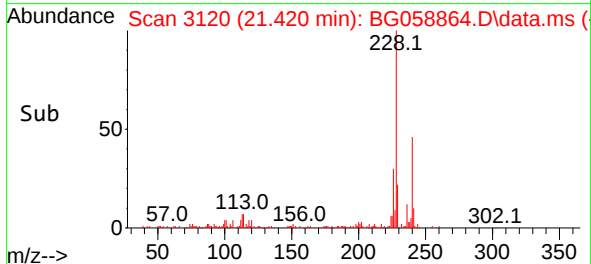
Instrument :
BNA_G
ClientSampleId :
DUP-1(X-X)



Tgt Ion:228 Resp: 5217
Ion Ratio Lower Upper
228 100
226 30.5 22.6 33.8
229 23.3 16.8 25.2

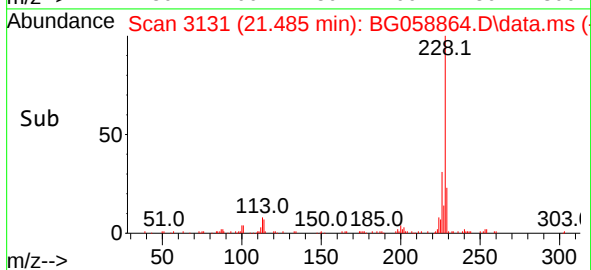
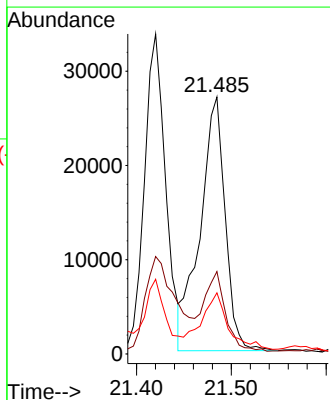
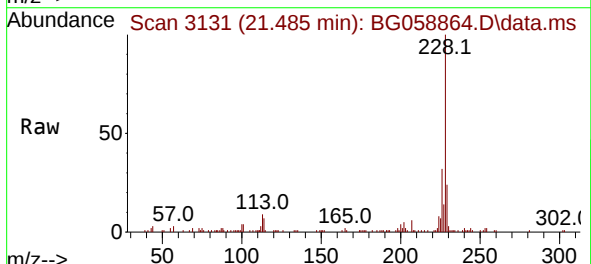
Manual Integrations
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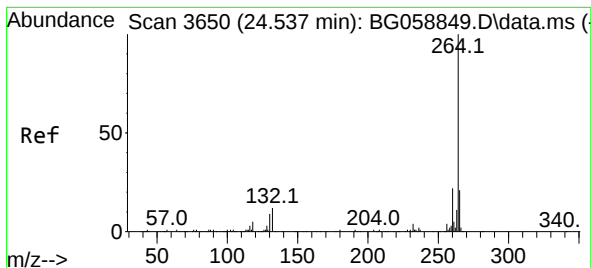
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#83
Chrysene
Concen: 6.193 ng
RT: 21.485 min Scan# 3131
Delta R.T. -0.020 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:228 Resp: 49557
Ion Ratio Lower Upper
228 100
226 32.1 24.4 36.6
229 23.8 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.499 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

Tgt Ion:264 Resp: 14529

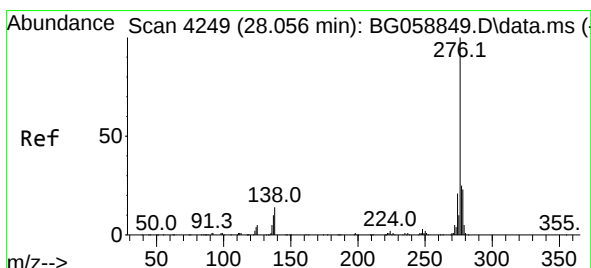
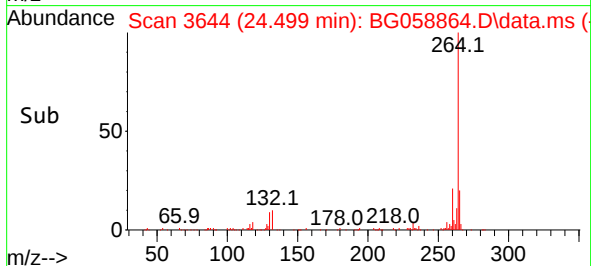
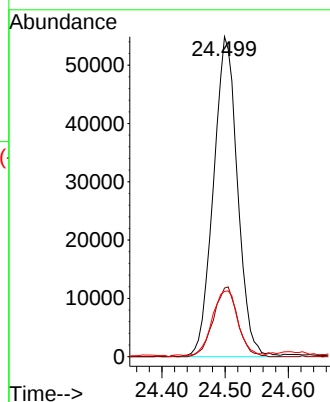
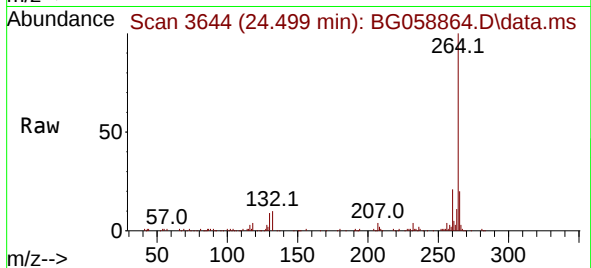
Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.2	27.2
265	20.4	16.4	24.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.167 ng

RT: 27.983 min Scan# 4237

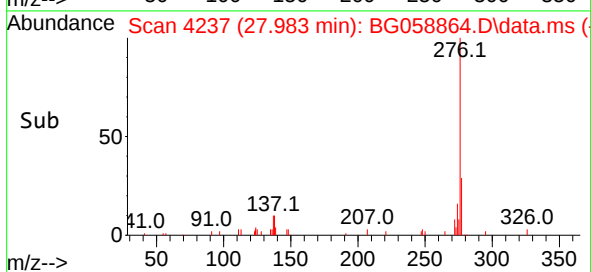
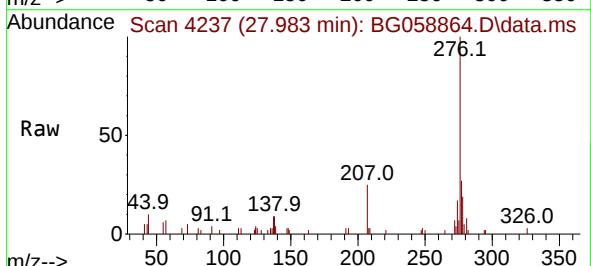
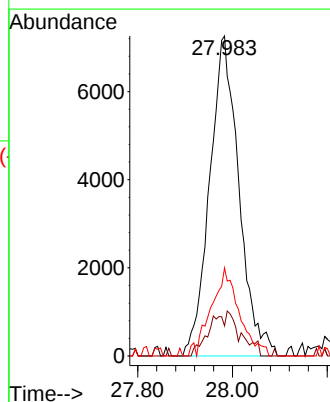
Delta R.T. -0.073 min

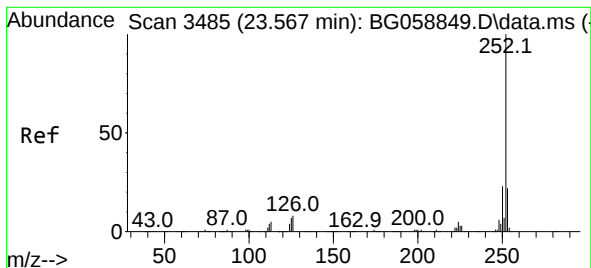
Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Tgt Ion:276 Resp: 31136

Ion	Ratio	Lower	Upper
276	100		
138	3.9	6.2	9.2#
277	26.3	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 8.191 ng

RT: 23.535 min Scan# 3485

Delta R.T. -0.032 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

DUP-1(X-X)

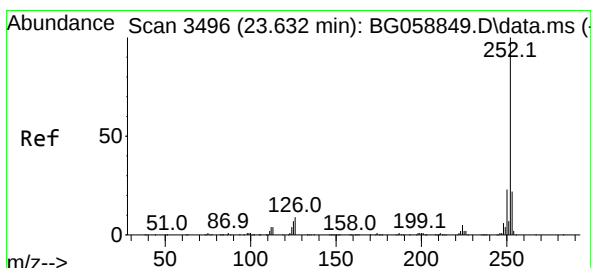
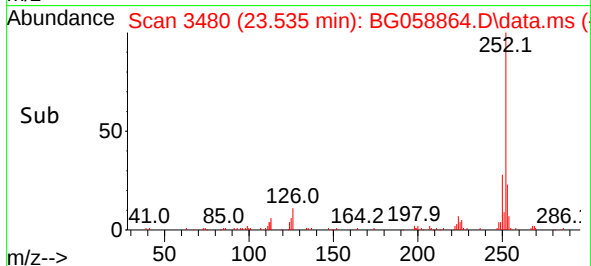
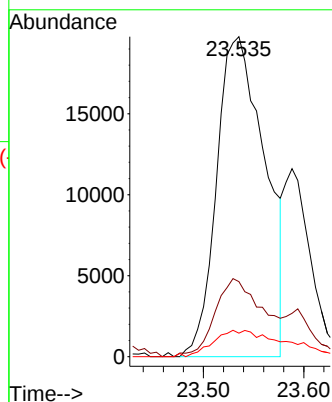
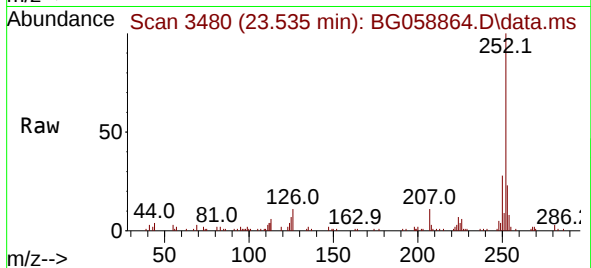
Tgt Ion:	252	Resp:	6603
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	7.3	6.2	9.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#89

Benzo(k)fluoranthene

Concen: 2.512 ng m

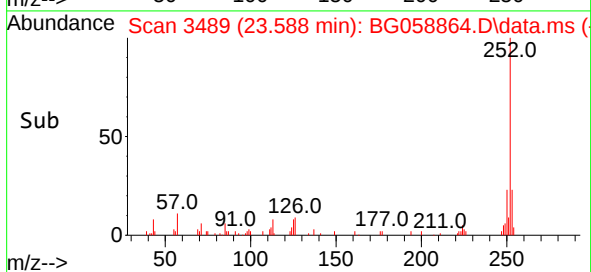
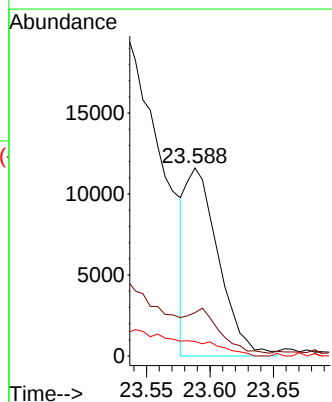
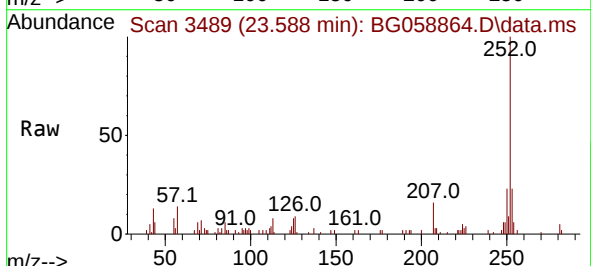
RT: 23.588 min Scan# 3489

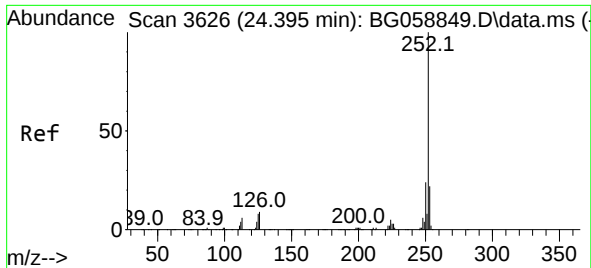
Delta R.T. -0.044 min

Lab File: BG058864.D

Acq: 26 Aug 2023 00:56

Tgt Ion:	252	Resp:	20886
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	7.6	6.3	9.5





#90
Benzo(a)pyrene
Concen: 5.925 ng
RT: 24.358 min Scan# 30
Delta R.T. -0.038 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Instrument :

BNA_G

ClientSampleId :

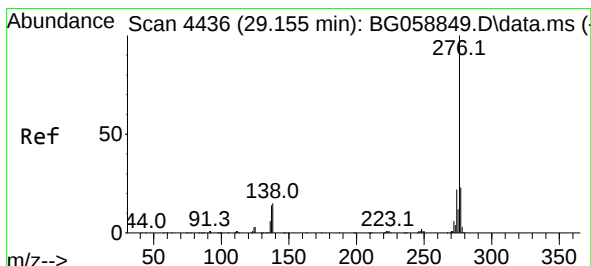
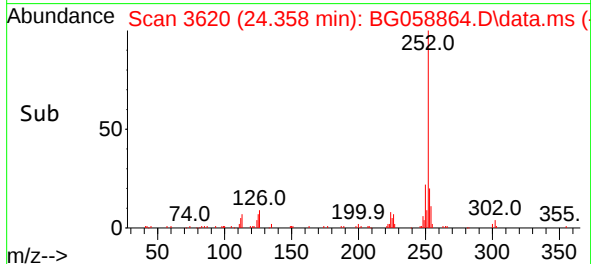
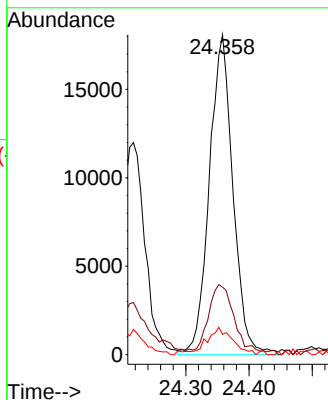
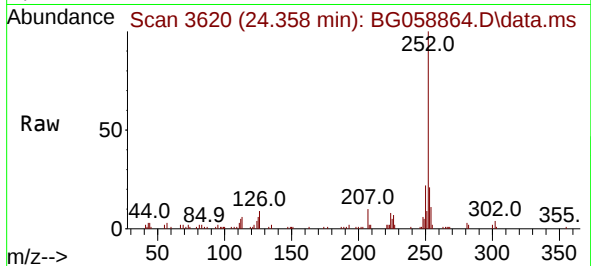
DUP-1(X-X)

Tgt Ion:252 Resp: 4703
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 6.3 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#92
Benzo(g,h,i)perylene
Concen: 3.477 ng
RT: 29.064 min Scan# 4421
Delta R.T. -0.091 min
Lab File: BG058864.D
Acq: 26 Aug 2023 00:56

Tgt Ion:276 Resp: 28083
Ion Ratio Lower Upper
276 100
277 24.5 17.8 26.6
138 13.5 11.1 16.7

