

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
 Data File : BG058862.D
 Acq On : 25 Aug 2023 23:32
 Operator : MA/JU
 Sample : 04147-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-03(27-29)

Manual Integrations
 APPROVED

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

Quant Time: Aug 26 09:19:59 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	7.808	152	19493	20.000	ng	-0.02
21) Naphthalene-d8	10.605	136	77514	20.000	ng	#-0.02
39) Acenaphthene-d10	14.453	164	51624	20.000	ng	-0.02
64) Phenanthrene-d10	17.197	188	128084	20.000	ng	-0.02
76) Chrysene-d12	21.439	240	124375	20.000	ng	-0.02
86) Perylene-d12	24.500	264	152948	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	123476	101.936	ng	-0.02
7) Phenol-d6	6.980	99	163819	96.394	ng	-0.02
23) Nitrobenzene-d5	8.971	82	98271	60.952	ng	-0.02
42) 2,4,6-Tribromophenol	15.946	330	85647	105.808	ng	-0.02
45) 2-Fluorobiphenyl	13.072	172	214547	60.447	ng	-0.02
79) Terphenyl-d14	19.817	244	380865	54.985	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.658	128	343270	84.342	ng	100
37) 2-Methylnaphthalene	12.273	142	25718	8.798	ng	96
38) 1-Methylnaphthalene	12.491	142	18233	6.571	ng	96
49) Acenaphthylene	14.177	152	17427	3.792	ng	96
52) Acenaphthene	14.512	154	6649	2.476	ng	90
71) Phenanthrene	17.244	178	15550	2.529	ng	99
72) Anthracene	17.338	178	12925m	2.096	ng	
73) Carbazole	17.608	167	17261	3.056	ng	96
75) Fluoranthene	19.259	202	40713	5.339	ng	94
78) Pyrene	19.618	202	62993	7.269	ng	99
81) Benzo(a)anthracene	21.416	228	34562	3.992	ng	97
83) Chrysene	21.480	228	29268	3.507	ng	94
88) Benzo(b)fluoranthene	23.537	252	38339	4.518	ng	96
90) Benzo(a)pyrene	24.353	252	35811m	4.286	ng	
92) Benzo(g,h,i)perylene	29.071	276	20860	2.454	ng	# 94

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

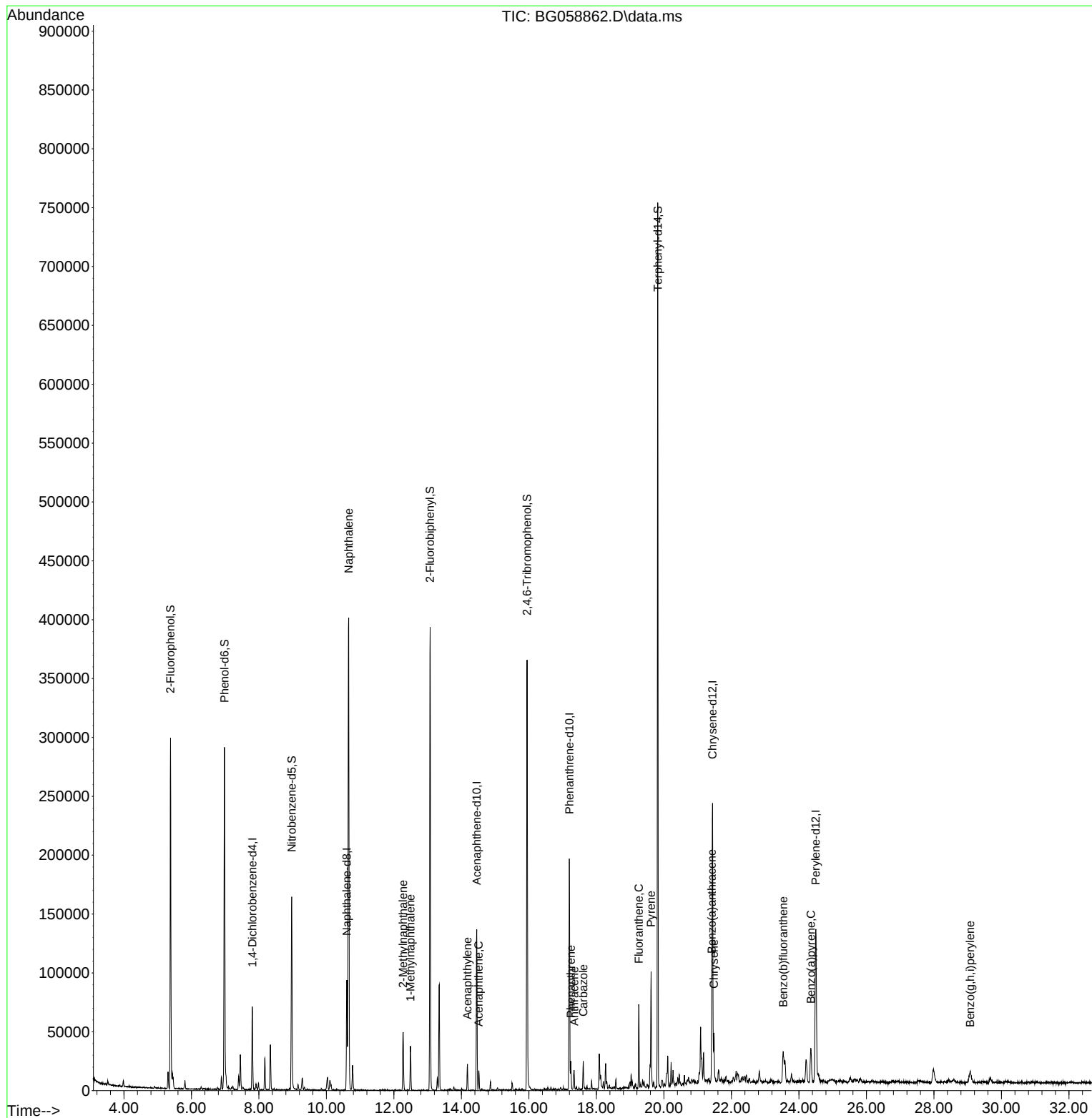
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082523\
Data File : BG058862.D
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Operator : MA/JU
Sample : 04147-02
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ALS Vial : 15 Sample Multiplier: 1

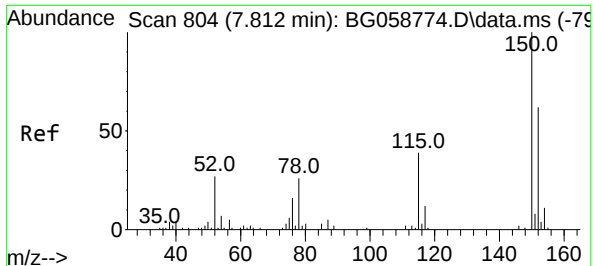
Instrument :
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Quant Time: Aug 26 09:19:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
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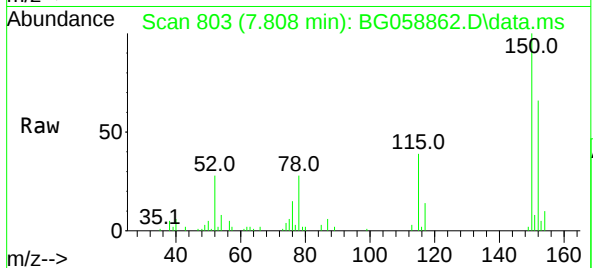
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.808 min Scan# 804
Delta R.T. -0.019 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)

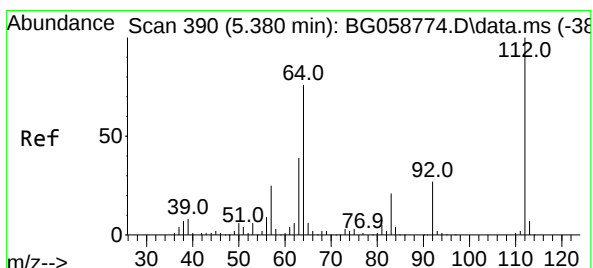
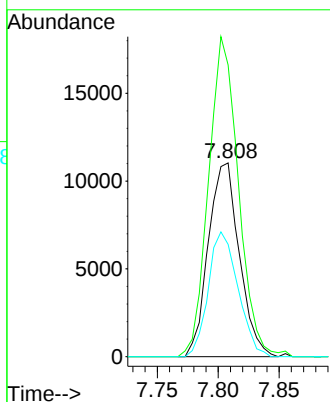
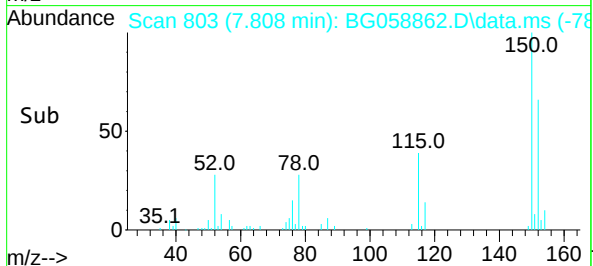


Tgt Ion:152 Resp: 1949
Ion Ratio Lower Upper
152 100
150 150.5 128.6 192.8
115 58.0 50.4 75.6

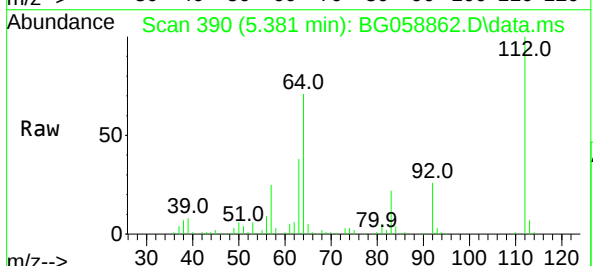
Manual Integrations

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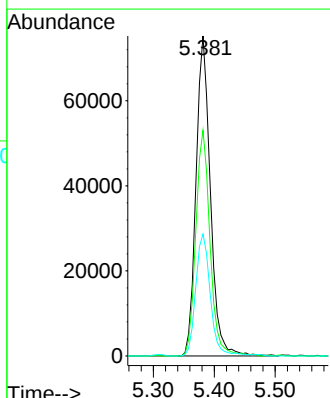
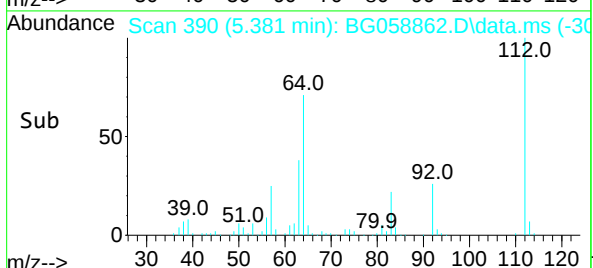
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Supervised By :mohammad ahmed 08/28/2023

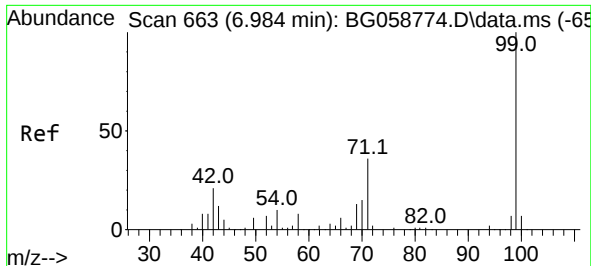


#5
2-Fluorophenol
Concen: 101.936 ng
RT: 5.381 min Scan# 390
Delta R.T. -0.019 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32



Tgt Ion:112 Resp: 123476
Ion Ratio Lower Upper
112 100
64 70.6 60.6 90.8
63 38.1 31.0 46.4





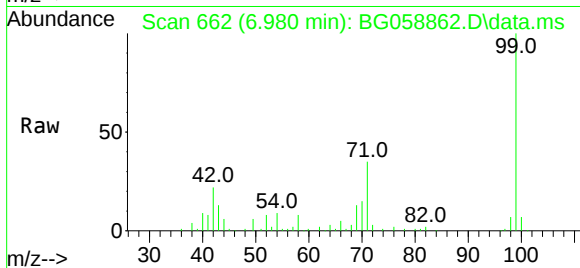
#7
Phenol-d6
Concen: 96.394 ng
RT: 6.980 min Scan# 60
Delta R.T. -0.025 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)

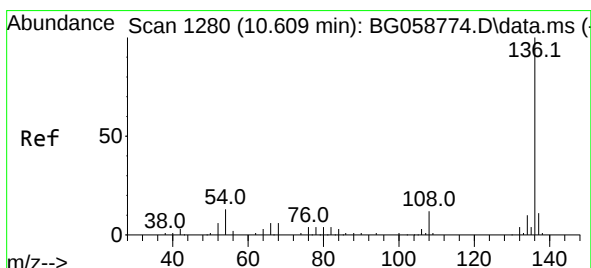
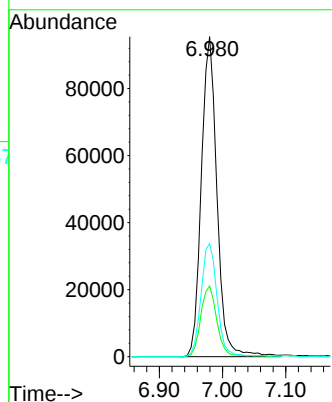
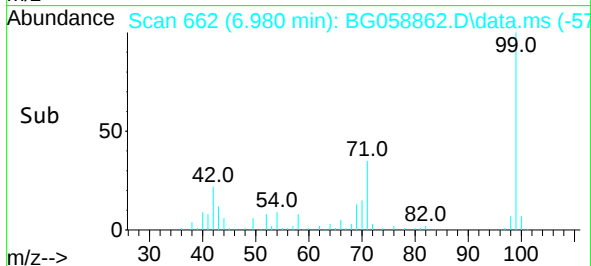


Tgt Ion: 99 Resp: 163819
Ion Ratio Lower Upper
99 100
42 22.1 16.5 24.7
71 35.3 28.4 42.6

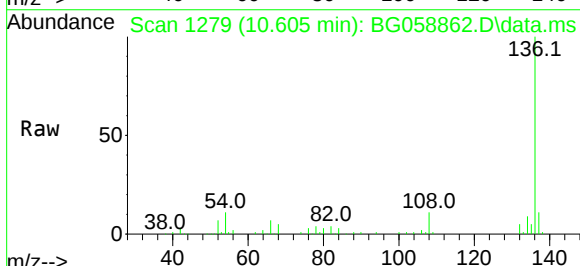
Manual Integrations

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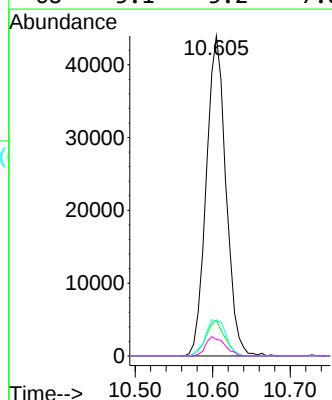
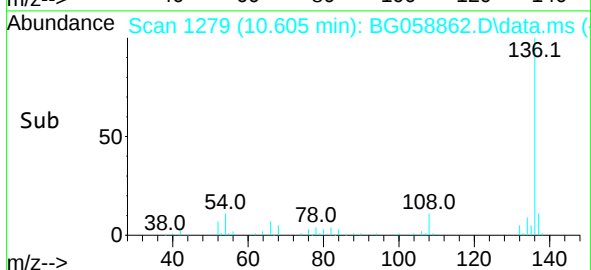
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

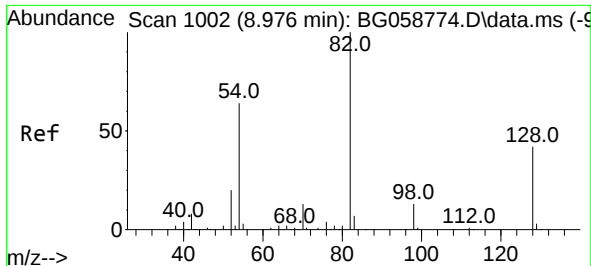


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.605 min Scan# 1279
Delta R.T. -0.025 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32



Tgt Ion:136 Resp: 77514
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 10.8 10.1 15.1
68 5.1 5.2 7.8#





#23

Nitrobenzene-d5

Concen: 60.952 ng

RT: 8.971 min Scan# 1002

Delta R.T. -0.025 min

Lab File: BG058862.D

Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)

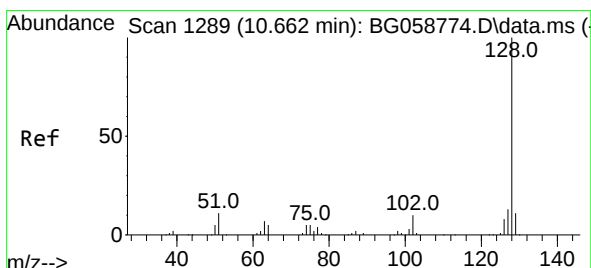
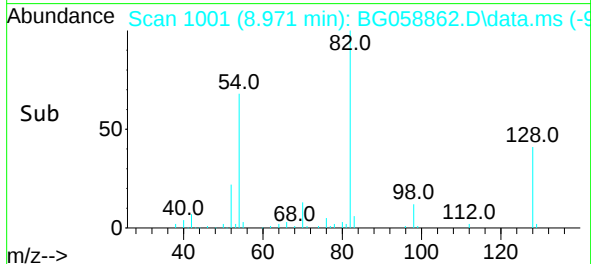
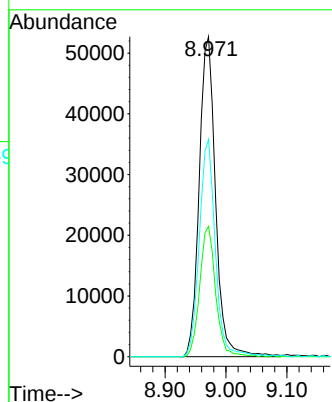
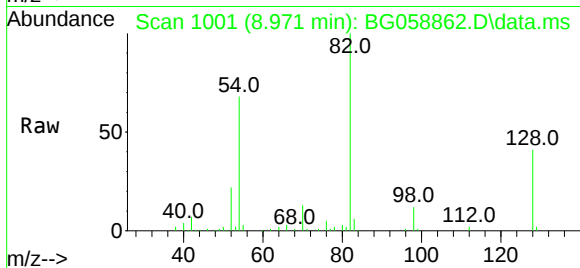
Tgt Ion:	82	Resp:	98270
Ion Ratio	Lower	Upper	
82	100		
128	40.8	33.2	49.8
54	68.0	51.2	76.8

Manual Integrations

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Supervised By :mohammad ahmed 08/28/2023



#31

Naphthalene

Concen: 84.342 ng

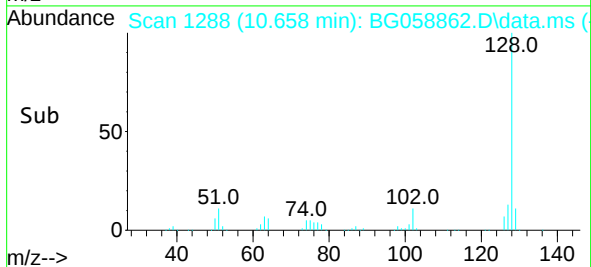
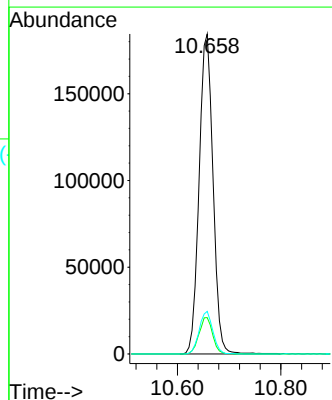
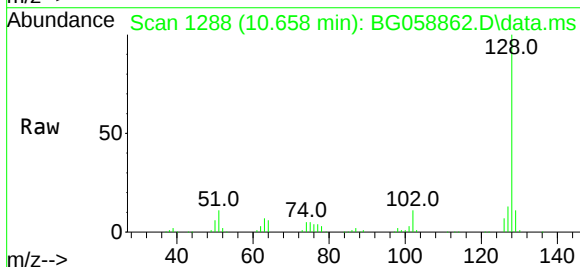
RT: 10.658 min Scan# 1288

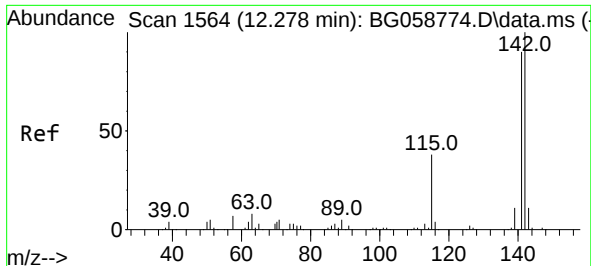
Delta R.T. -0.025 min

Lab File: BG058862.D

Acq: 25 Aug 2023 23:32

Tgt Ion:	128	Resp:	343270
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.9	13.3
127	13.3	10.6	15.8





#37
2-Methylnaphthalene
Concen: 8.798 ng
RT: 12.273 min Scan# 11
Delta R.T. -0.019 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Instrument :

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SB-03(27-29)

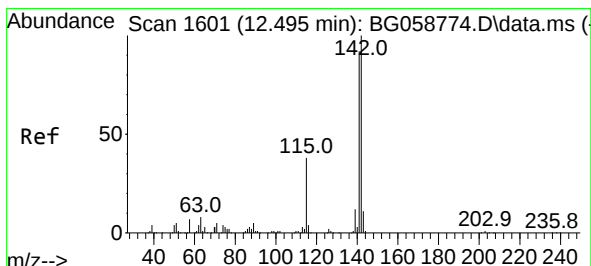
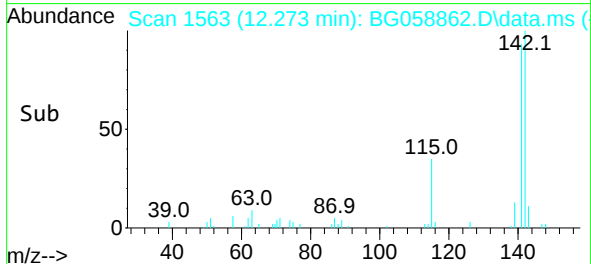
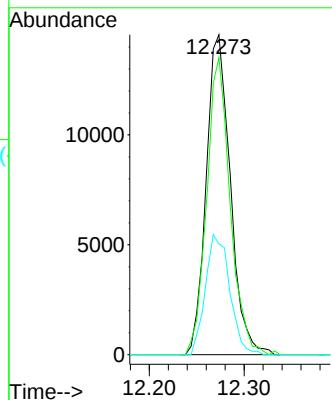
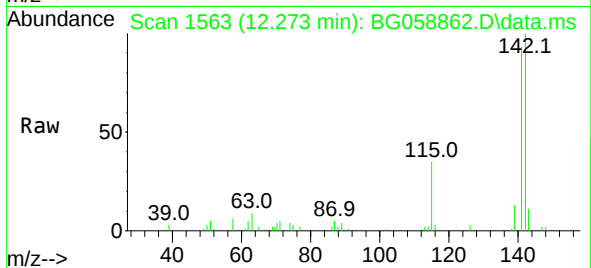
Tgt Ion:142 Resp: 25718
Ion Ratio Lower Upper
142 100
141 92.8 71.8 107.8
115 34.6 30.6 45.8

Manual Integrations

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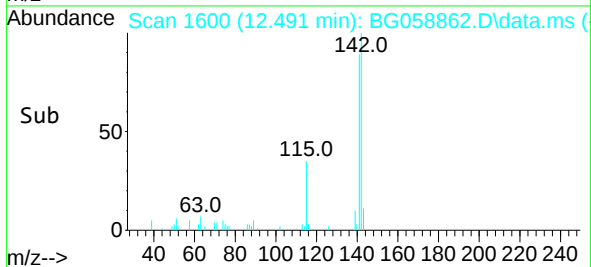
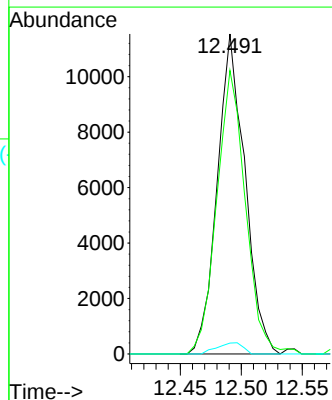
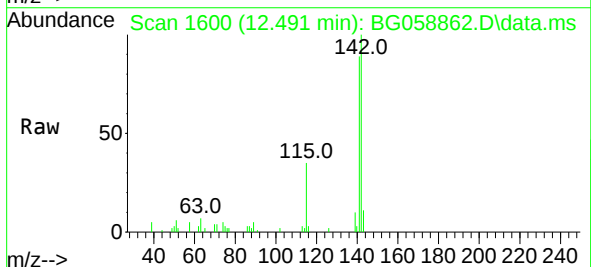
Reviewed By :Yogesh Patel 08/28/2023

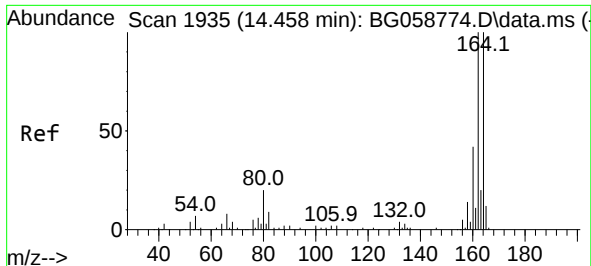
Supervised By :mohammad ahmed 08/28/2023



#38
1-Methylnaphthalene
Concen: 6.571 ng
RT: 12.491 min Scan# 1600
Delta R.T. -0.025 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Tgt Ion:142 Resp: 18233
Ion Ratio Lower Upper
142 100
141 88.6 73.9 110.9
116 3.4 3.2 4.8





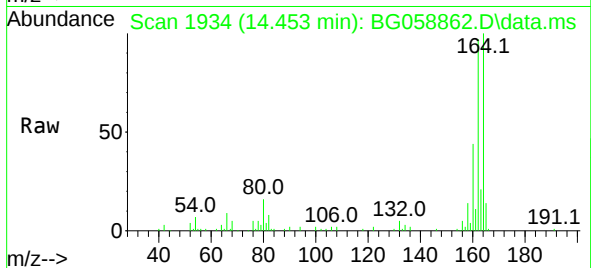
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.453 min Scan# 1934
Delta R.T. -0.019 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)



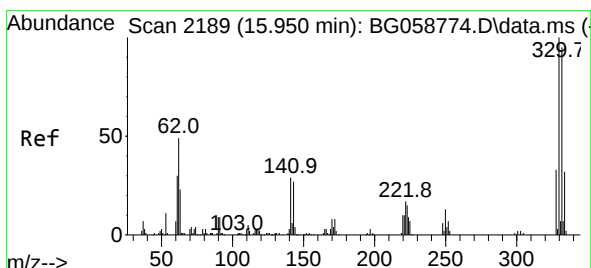
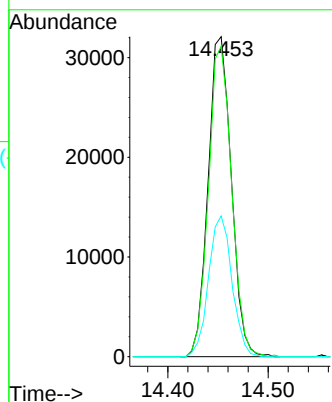
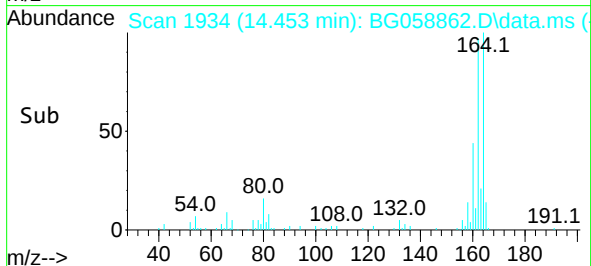
Tgt Ion:164 Resp: 51624
Ion Ratio Lower Upper
164 100
162 97.0 79.6 119.4
160 44.0 34.0 51.0

Manual Integrations

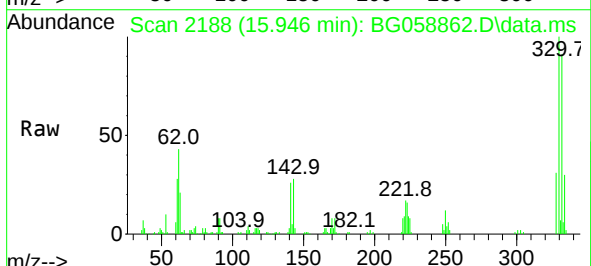
APPROVED

Reviewed By :Yogesh Patel 08/28/2023

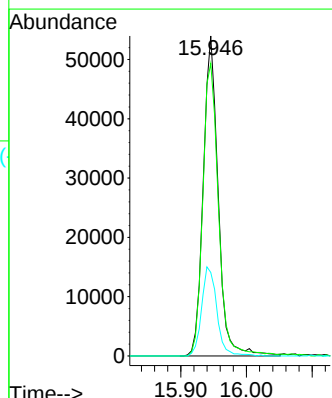
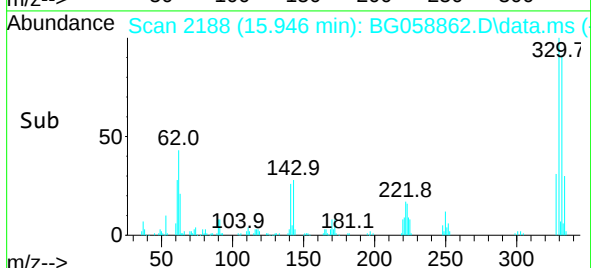
Supervised By :mohammad ahmed 08/28/2023

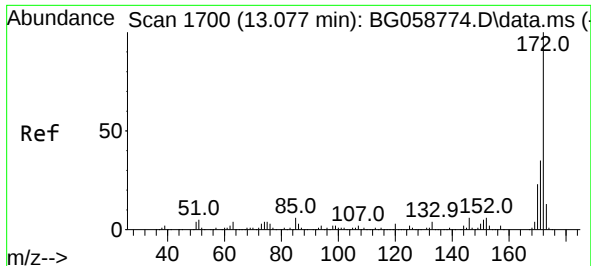


#42
2,4,6-Tribromophenol
Concen: 105.808 ng
RT: 15.946 min Scan# 2188
Delta R.T. -0.025 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32



Tgt Ion:330 Resp: 85647
Ion Ratio Lower Upper
330 100
332 96.1 78.5 117.7
141 28.4 23.0 34.6





#45
2-Fluorobiphenyl
Concen: 60.447 ng
RT: 13.072 min Scan# 1700
Delta R.T. -0.025 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

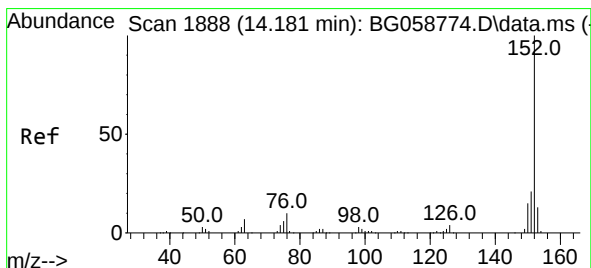
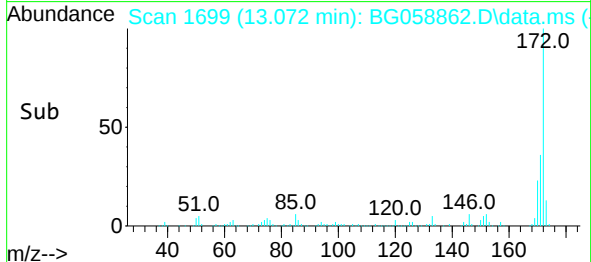
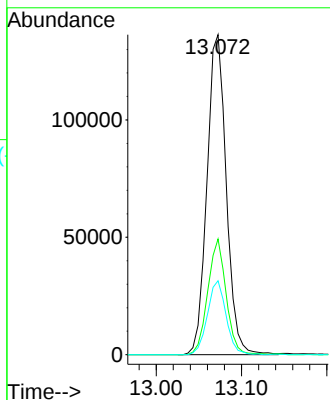
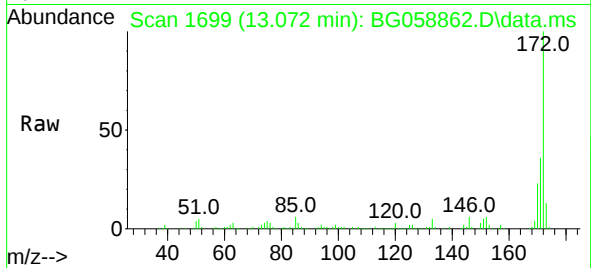
SB-03(27-29)

Tgt Ion:172 Resp: 21454
Ion Ratio Lower Upper
172 100
171 36.2 28.1 42.1
170 23.1 18.6 27.8

Manual Integrations

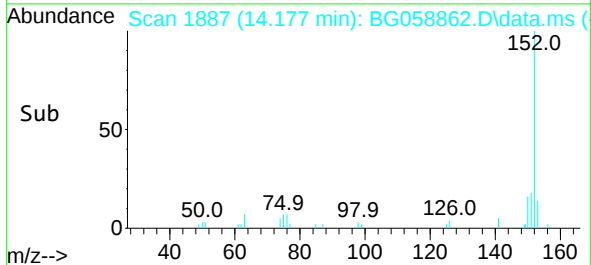
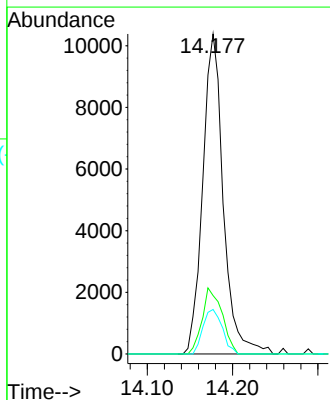
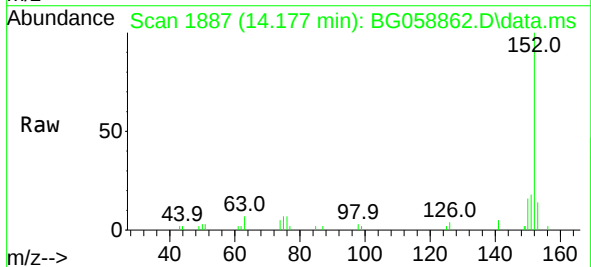
APPROVED

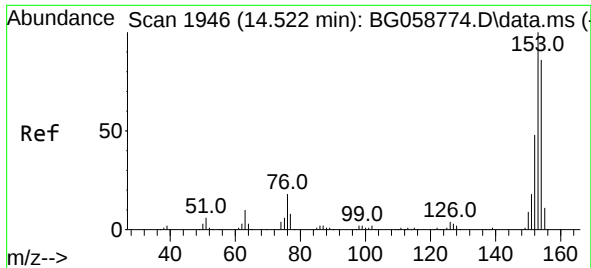
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#49
Acenaphthylene
Concen: 3.792 ng
RT: 14.177 min Scan# 1887
Delta R.T. -0.019 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Tgt Ion:152 Resp: 17427
Ion Ratio Lower Upper
152 100
151 18.2 16.9 25.3
153 13.9 10.7 16.1





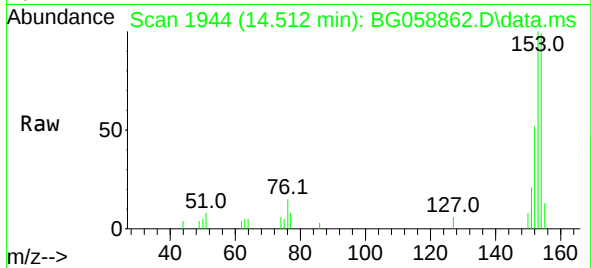
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Acenaphthene
Concen: 2.476 ng
RT: 14.512 min Scan# 1944
Delta R.T. -0.025 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Instrument :

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SB-03(27-29)

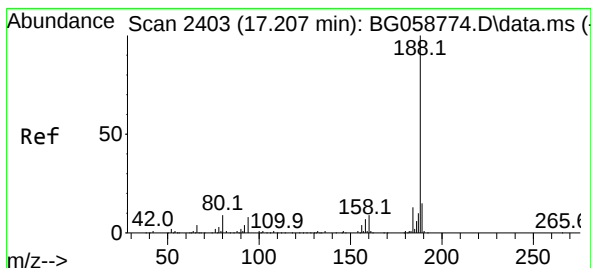
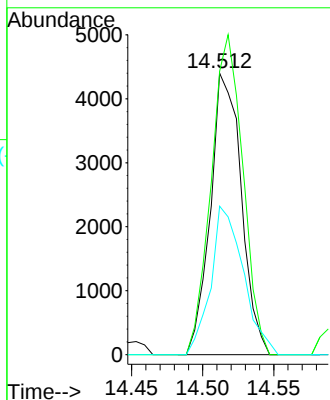
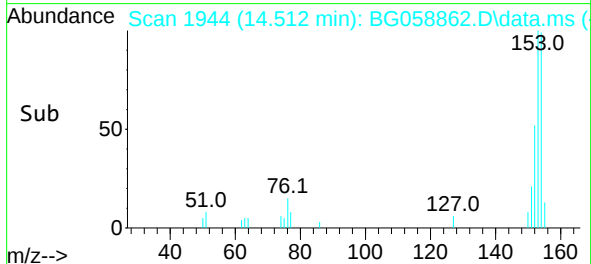


Tgt Ion:154 Resp: 6649
Ion Ratio Lower Upper
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153 100.8 92.7 139.1
152 52.8 44.2 66.2

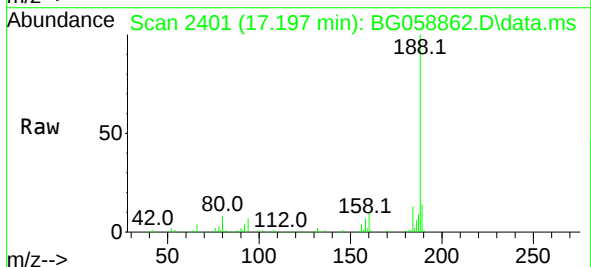
Manual Integrations

APPROVED

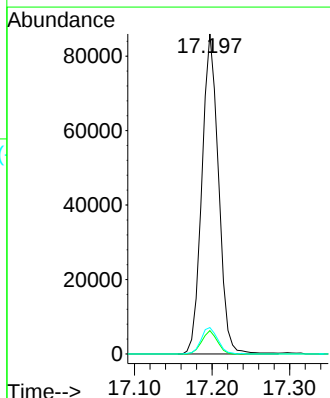
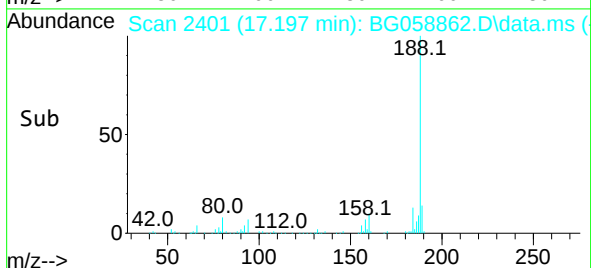
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

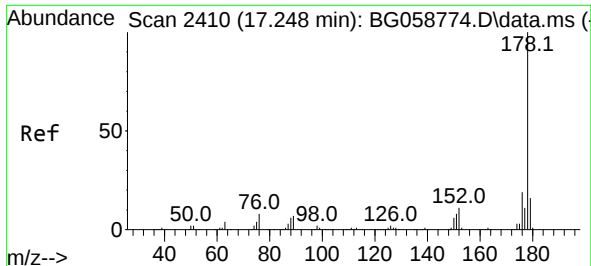


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.197 min Scan# 2401
Delta R.T. -0.025 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32



Tgt Ion:188 Resp: 128084
Ion Ratio Lower Upper
188 100
94 7.3 6.1 9.1
80 8.2 6.9 10.3





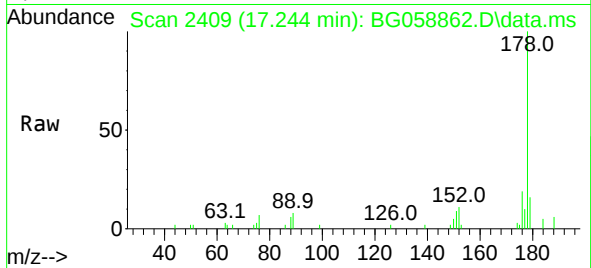
#71
Phenanthrene
Concen: 2.529 ng
RT: 17.244 min Scan# 2410
Delta R.T. -0.019 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)

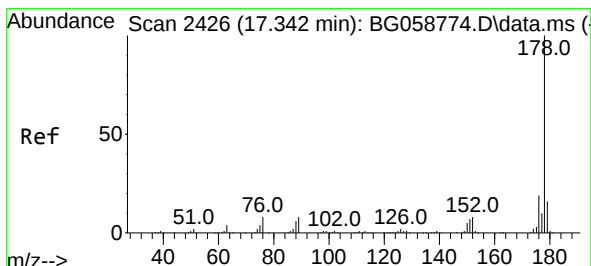
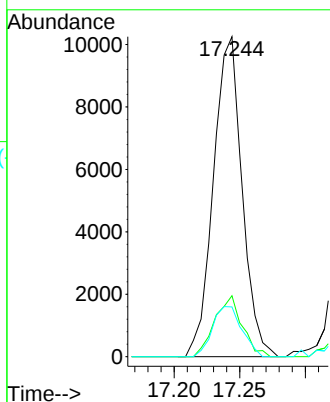
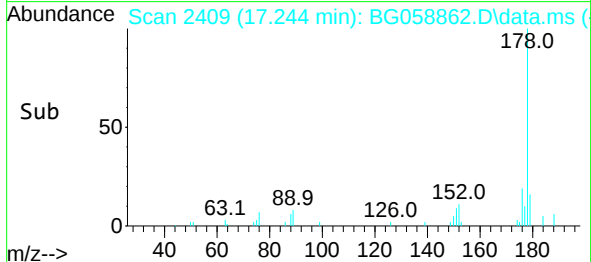


Tgt Ion:178 Resp: 15550
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.5 13.0 19.4

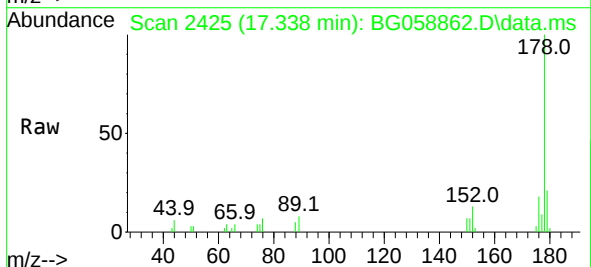
Manual Integrations

APPROVED

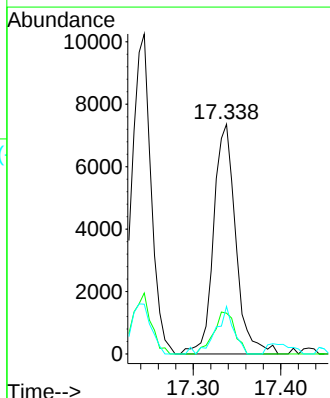
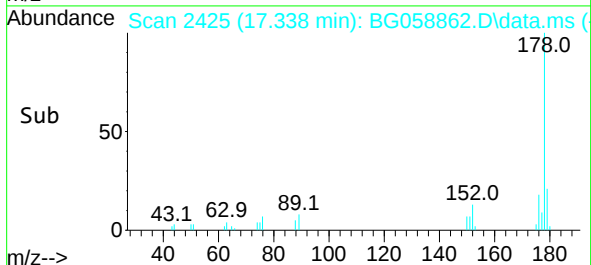
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

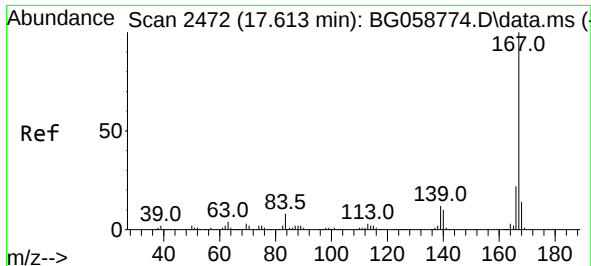


#72
Anthracene
Concen: 2.096 ng m
RT: 17.338 min Scan# 2425
Delta R.T. -0.013 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32



Tgt Ion:178 Resp: 12925
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 20.6 12.9 19.3#





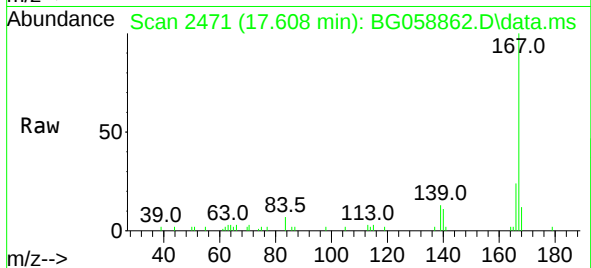
#73
 Carbazole
 Concen: 3.056 ng
 RT: 17.608 min Scan# 2471
 Delta R.T. -0.019 min
 Lab File: BG058862.D
 Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)

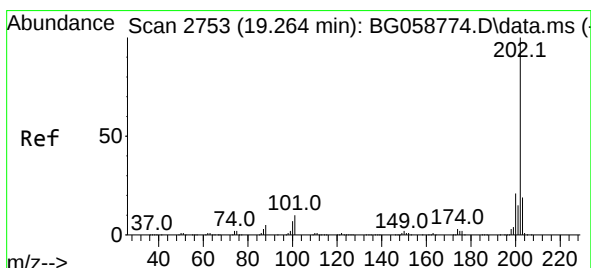
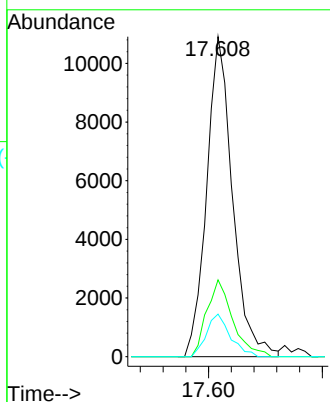
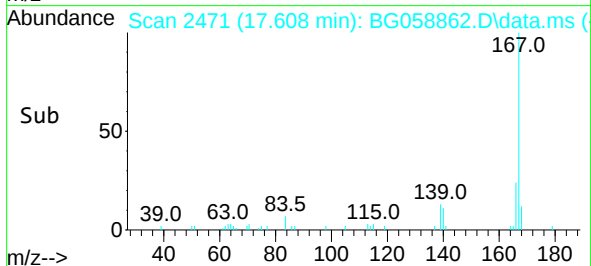


Tgt Ion:167 Resp: 1726
 Ion Ratio Lower Upper
 167 100
 166 24.0 17.4 26.2
 139 13.3 9.7 14.5

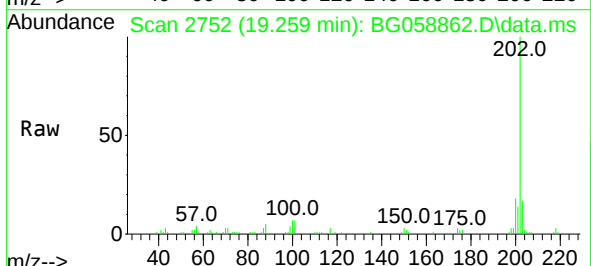
Manual Integrations

APPROVED

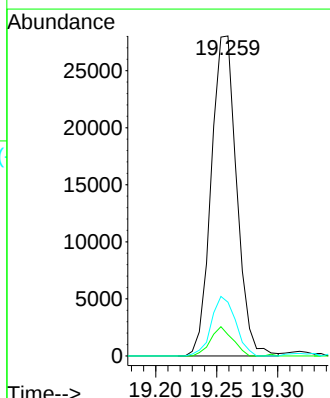
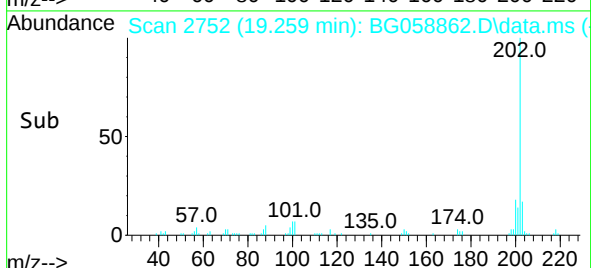
Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023

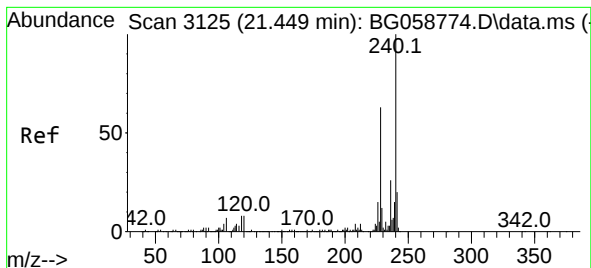


#75
 Fluoranthene
 Concen: 5.339 ng
 RT: 19.259 min Scan# 2752
 Delta R.T. -0.019 min
 Lab File: BG058862.D
 Acq: 25 Aug 2023 23:32



Tgt Ion:202 Resp: 40713
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 29.7
 203 16.8 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 3125

Delta R.T. -0.025 min

Lab File: BG058862.D

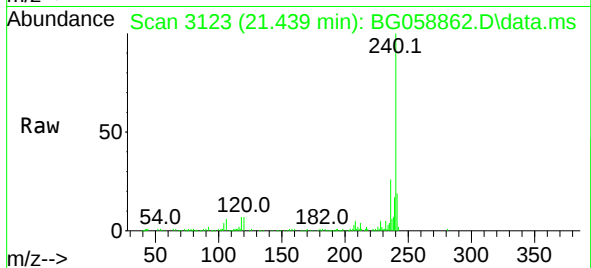
Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)



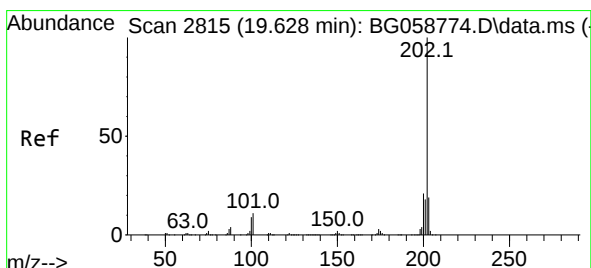
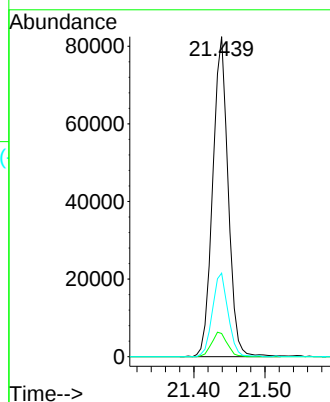
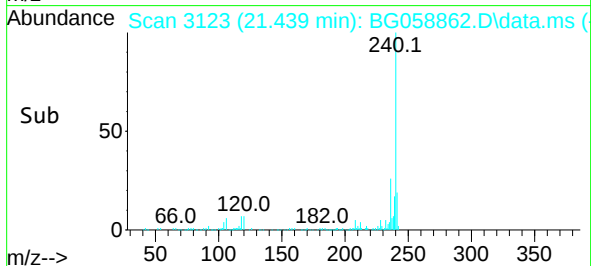
Tgt Ion:	240	Resp:	124375
Ion Ratio	Lower	Upper	
240	100		
120	7.3	6.2	9.2
236	26.1	20.5	30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#78

Pyrene

Concen: 7.269 ng

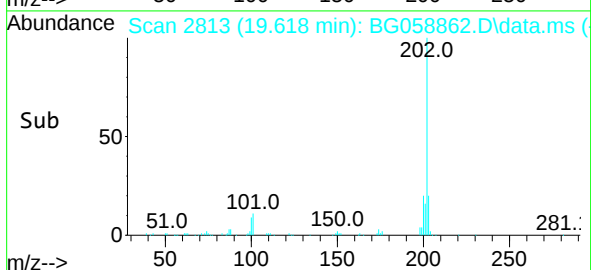
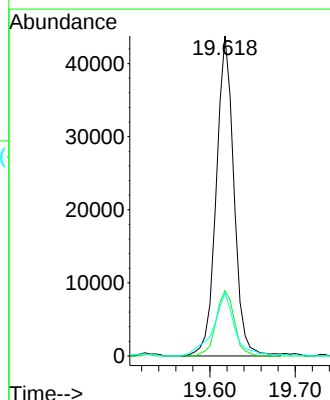
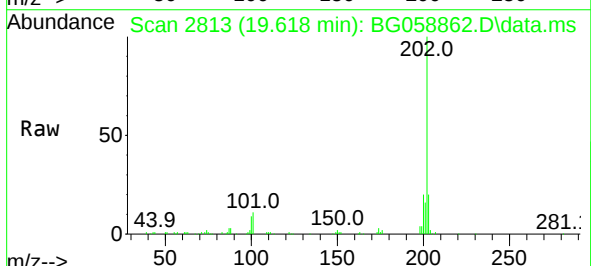
RT: 19.618 min Scan# 2813

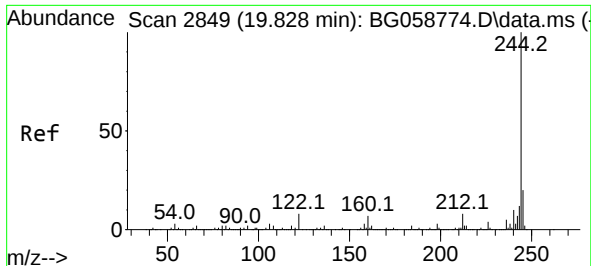
Delta R.T. -0.019 min

Lab File: BG058862.D

Acq: 25 Aug 2023 23:32

Tgt Ion:	202	Resp:	62993
Ion Ratio	Lower	Upper	
202	100		
200	20.4	16.7	25.1
203	19.7	15.3	22.9





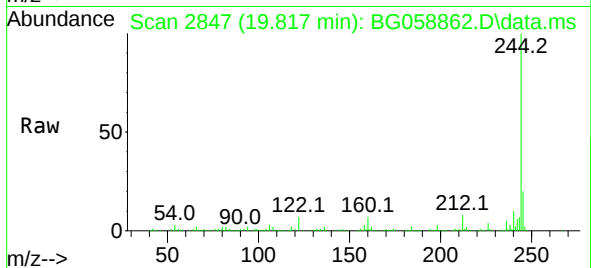
#79
 Terphenyl-d14
 Concen: 54.985 ng
 RT: 19.817 min Scan# 21
 Delta R.T. -0.019 min
 Lab File: BG058862.D
 Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)

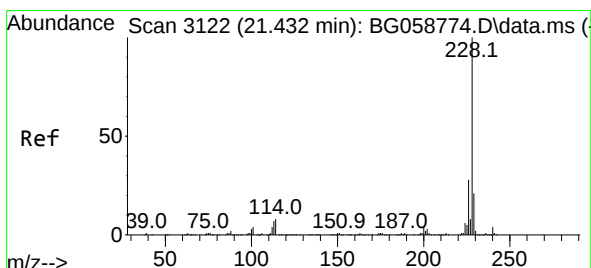
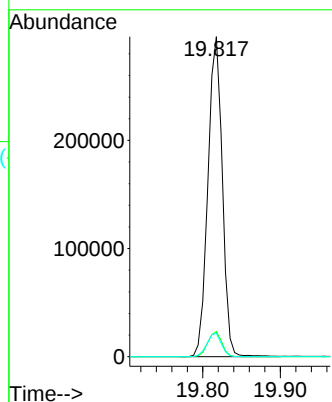
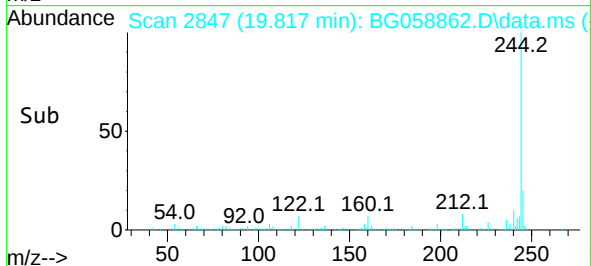


Tgt Ion:244 Resp: 38086
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.2
 122 7.3 6.3 9.5

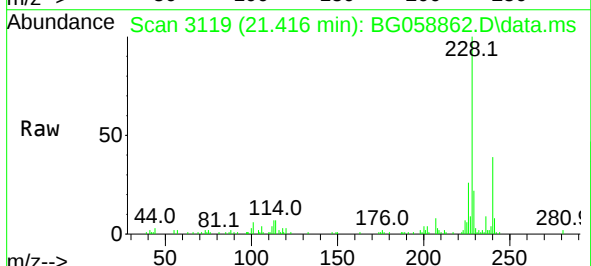
Manual Integrations

APPROVED

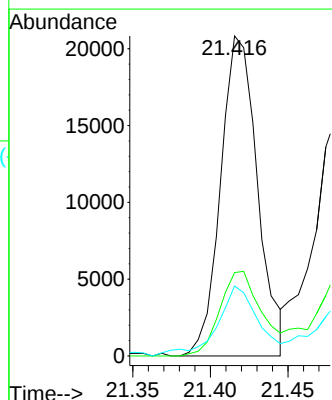
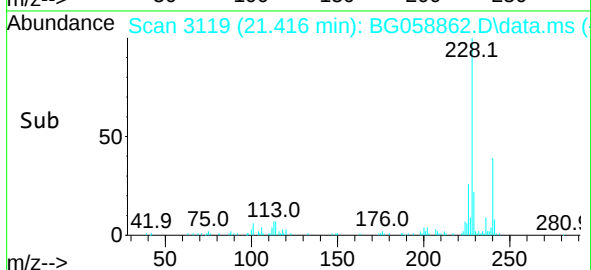
Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023

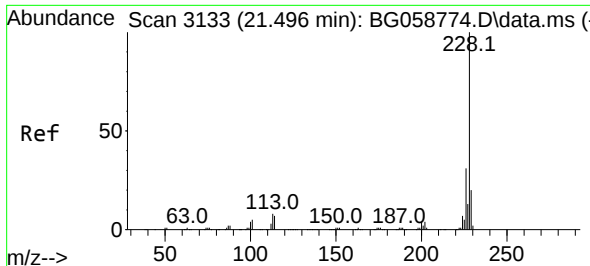


#81
 Benzo(a)anthracene
 Concen: 3.992 ng
 RT: 21.416 min Scan# 3119
 Delta R.T. -0.025 min
 Lab File: BG058862.D
 Acq: 25 Aug 2023 23:32



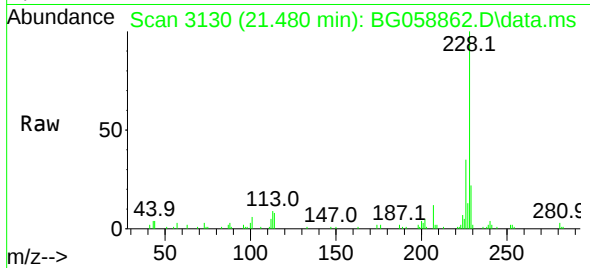
Tgt Ion:228 Resp: 34562
 Ion Ratio Lower Upper
 228 100
 226 26.0 22.6 33.8
 229 21.9 16.8 25.2





#83
Chrysene
Concen: 3.507 ng
RT: 21.480 min Scan# 3133
Delta R.T. -0.025 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

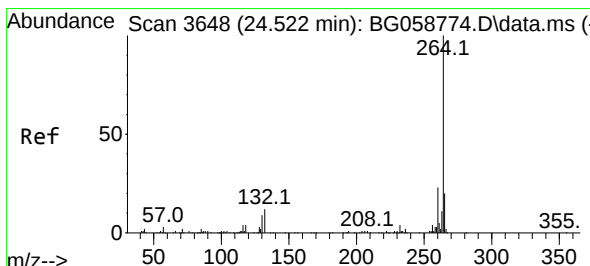
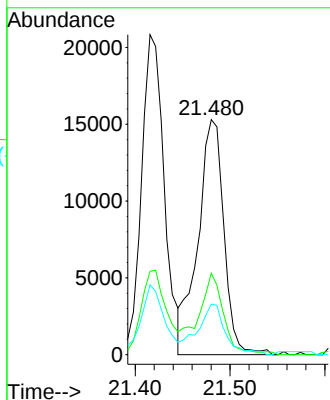
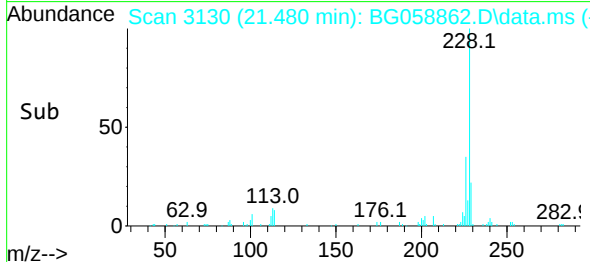
Instrument :
BNA_G
ClientSampleId :
SB-03(27-29)



Tgt Ion:228 Resp: 29268
Ion Ratio Lower Upper
228 100
226 34.7 24.4 36.6
229 21.5 16.3 24.5

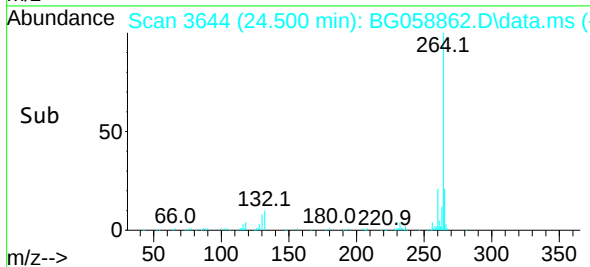
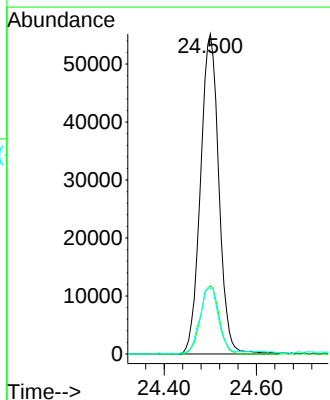
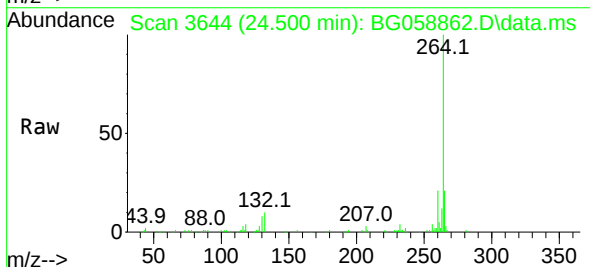
Manual Integrations
APPROVED

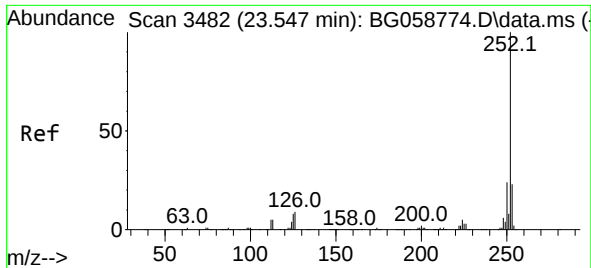
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.500 min Scan# 3644
Delta R.T. -0.036 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Tgt Ion:264 Resp: 152948
Ion Ratio Lower Upper
264 100
260 21.4 18.2 27.2
265 20.5 16.4 24.6





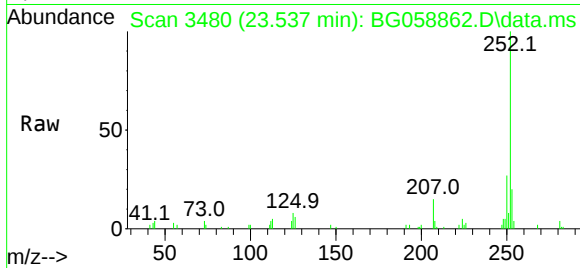
#88
Benzo(b)fluoranthene
Concen: 4.518 ng
RT: 23.537 min Scan# 3482
Delta R.T. -0.030 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32

Instrument :

BNA_G

ClientSampleId :

SB-03(27-29)

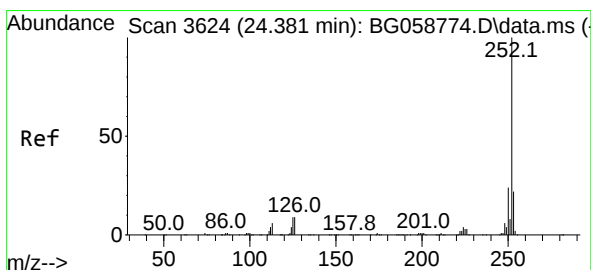
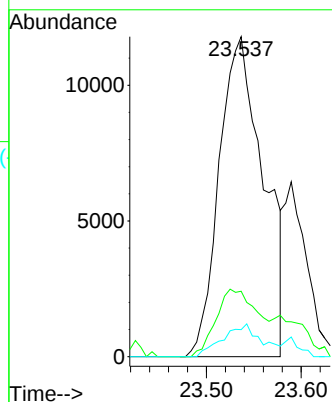


Tgt Ion:252 Resp: 38339
Ion Ratio Lower Upper
252 100
253 20.4 18.4 27.6
125 8.4 6.2 9.2

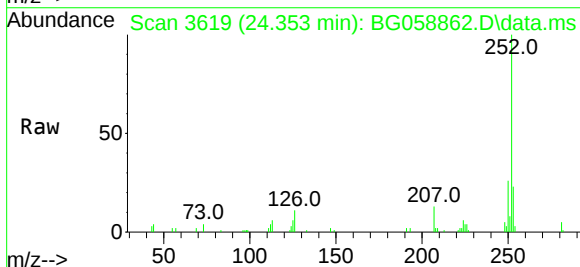
Manual Integrations

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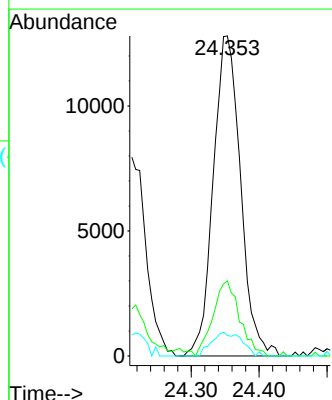
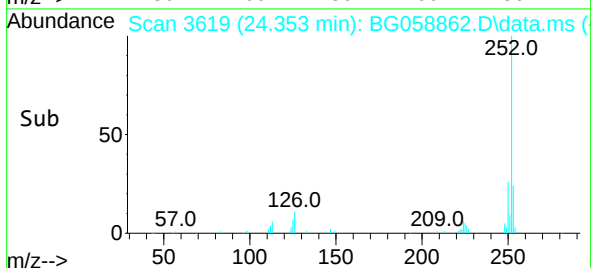
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

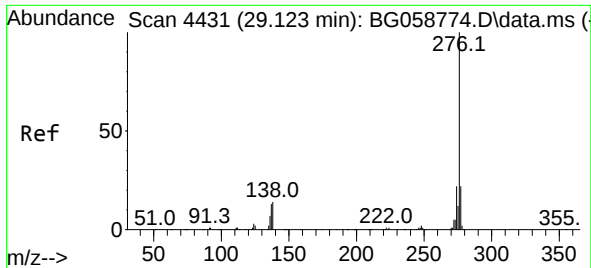


#90
Benzo(a)pyrene
Concen: 4.286 ng m
RT: 24.353 min Scan# 3619
Delta R.T. -0.042 min
Lab File: BG058862.D
Acq: 25 Aug 2023 23:32



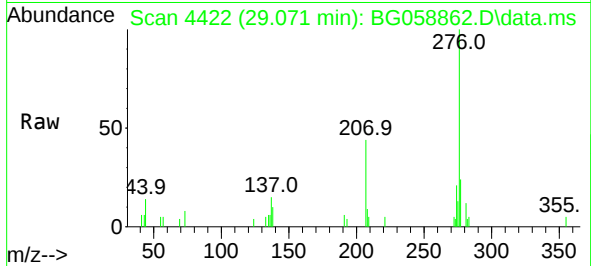
Tgt Ion:252 Resp: 35811
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 6.4 6.8 10.2#





#92
 Benzo(g,h,i)perylene
 Concen: 2.454 ng
 RT: 29.071 min Scan# 44
 Delta R.T. -0.083 min
 Lab File: BG058862.D
 Acq: 25 Aug 2023 23:32

Instrument :
 BNA_G
 ClientSampleId :
 SB-03(27-29)



Tgt Ion: 276 Resp: 20860

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.8	26.6
138	9.8	11.1	16.7

Manual Integrations
 APPROVED

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

