

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
 Data File : BG057897.D
 Acq On : 28 Jun 2023 18:00
 Operator : CG/JU
 Sample : 03413-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-062623

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 28 18:56:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 01:12:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	68517	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	276336	20.000	ng	0.00
39) Acenaphthene-d10	14.555	164	169241	20.000	ng	0.00
64) Phenanthrene-d10	17.299	188	353031	20.000	ng	0.00
76) Chrysene-d12	21.559	240	293156	20.000	ng	0.00
86) Perylene-d12	24.714	264	285729	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	193680	43.249	ng	0.00
7) Phenol-d6	7.082	99	272821	40.740	ng	0.00
23) Nitrobenzene-d5	9.080	82	161771	28.690	ng	0.00
42) 2,4,6-Tribromophenol	16.042	330	104181	36.650	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	346125	31.210	ng	0.00
79) Terphenyl-d14	19.914	244	472337	29.374	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.340	178	79505	4.691	ng	99
75) Fluoranthene	19.356	202	242172	11.343	ng	100
78) Pyrene	19.714	202	242677	11.593	ng	97
81) Benzo(a)anthracene	21.535	228	134592	6.634	ng	95
83) Chrysene	21.600	228	127606	6.645	ng	97
87) Indeno(1,2,3-cd)pyrene	28.298	276	42990m	2.271	ng	
88) Benzo(b)fluoranthene	23.715	252	146837	9.422	ng	# 91
89) Benzo(k)fluoranthene	23.768	252	75462m	4.791	ng	
90) Benzo(a)pyrene	24.561	252	101417	6.570	ng	# 90
92) Benzo(g,h,i)perylene	29.420	276	41173m	2.639	ng	

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

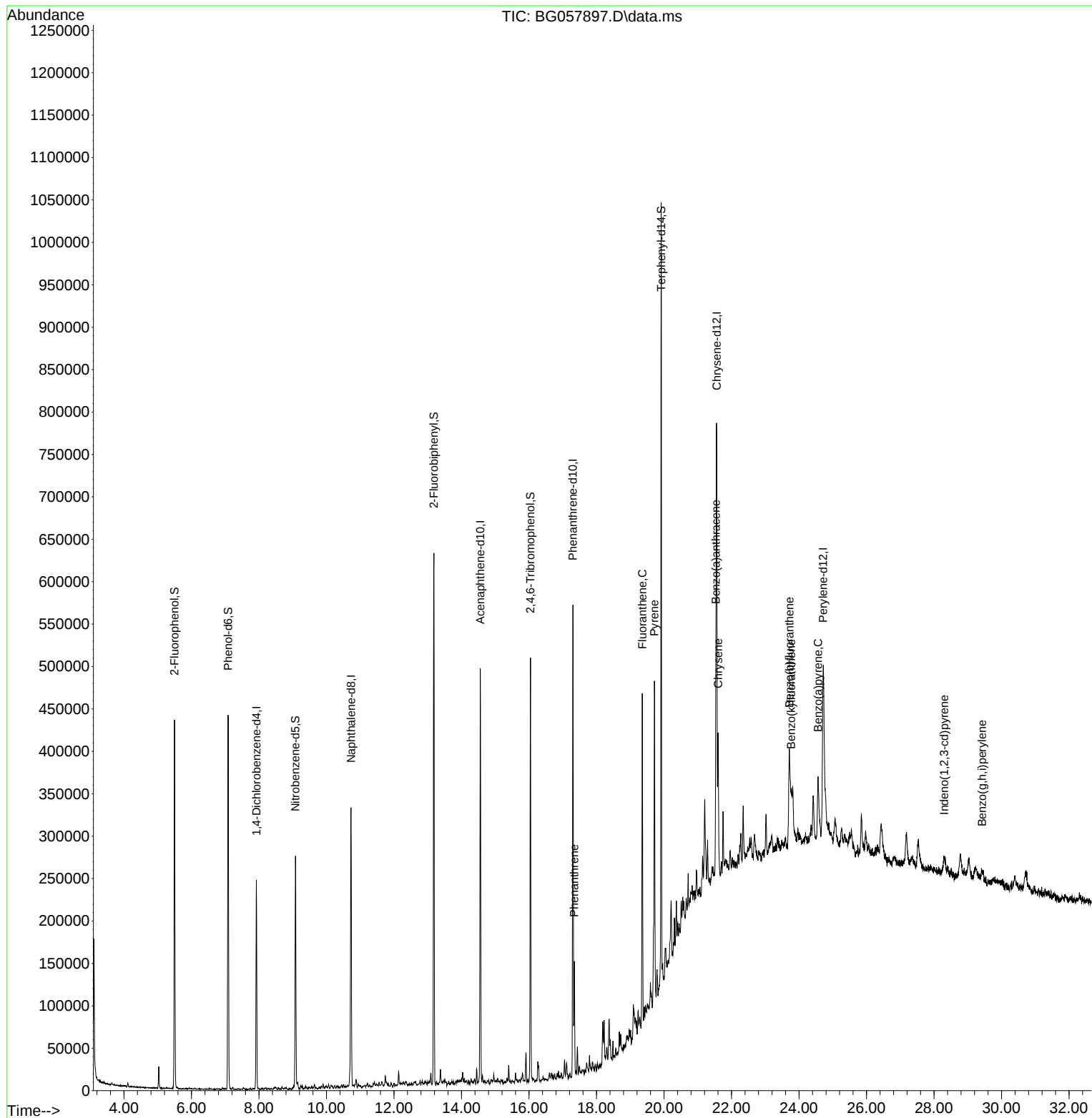
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062823\
Data File : BG057897.D
Acq On : 28 Jun 2023 18:00
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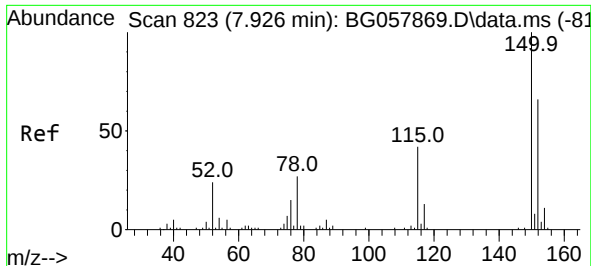
Instrument :
BNA_G
ClientSampleId :
OR-02-062623

Quant Time: Jun 28 18:56:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
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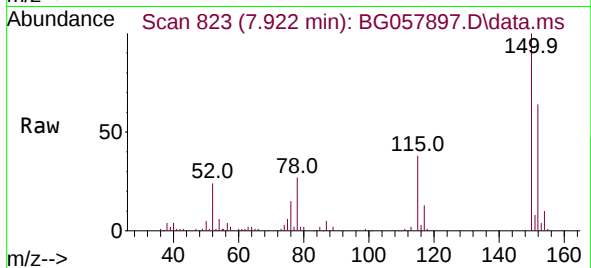
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

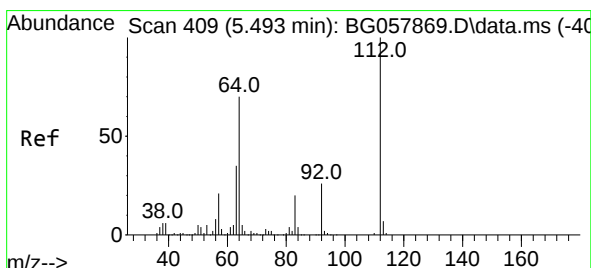
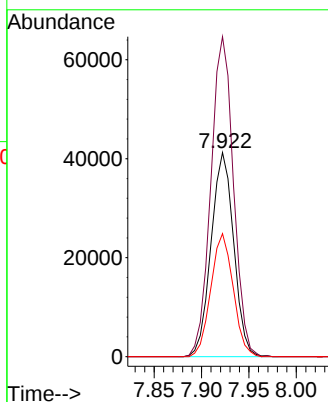
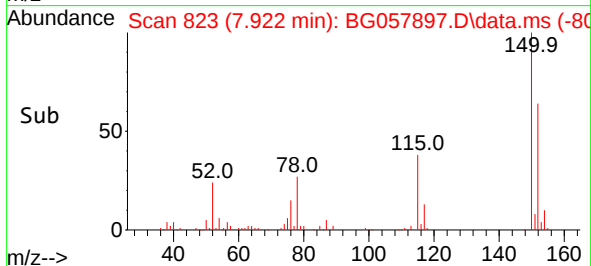
Instrument :
BNA_G
ClientSampleId :
OR-02-062623



Tgt Ion:152 Resp: 6851
Ion Ratio Lower Upper
152 100
150 156.7 122.0 183.0
115 60.3 50.7 76.1

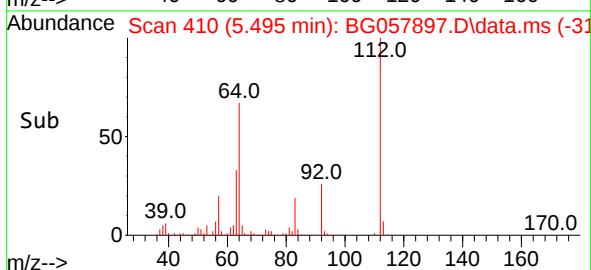
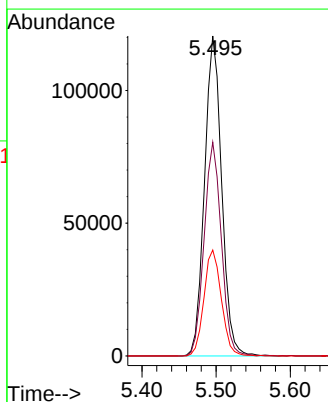
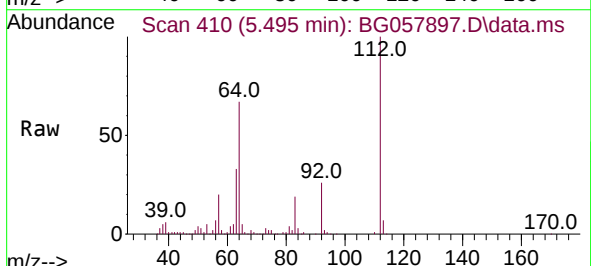
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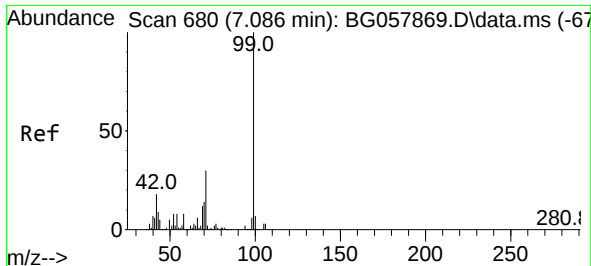
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#5
2-Fluorophenol
Concen: 43.249 ng
RT: 5.495 min Scan# 410
Delta R.T. 0.002 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

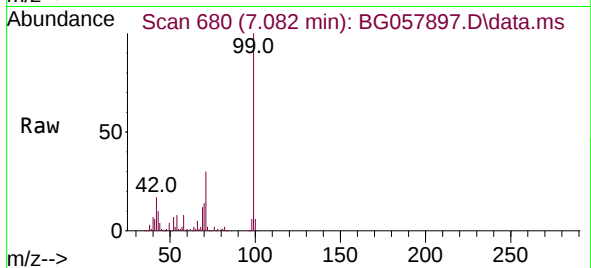
Tgt Ion:112 Resp: 193680
Ion Ratio Lower Upper
112 100
64 66.8 55.8 83.6
63 33.1 27.9 41.9





#7
Phenol-d6
Concen: 40.740 ng
RT: 7.082 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

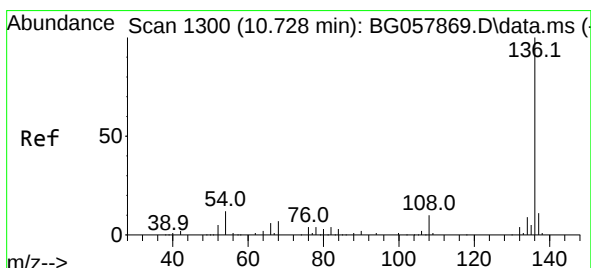
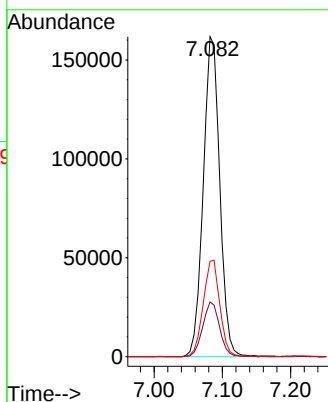
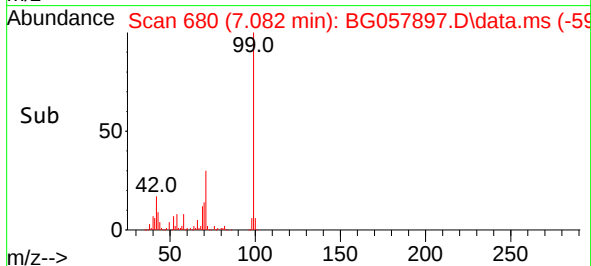
Instrument :
BNA_G
ClientSampleId :
OR-02-062623



Tgt Ion: 99 Resp: 27282
Ion Ratio Lower Upper
99 100
42 17.1 14.2 21.4
71 29.8 23.9 35.9

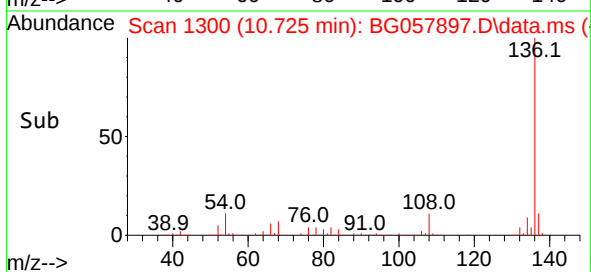
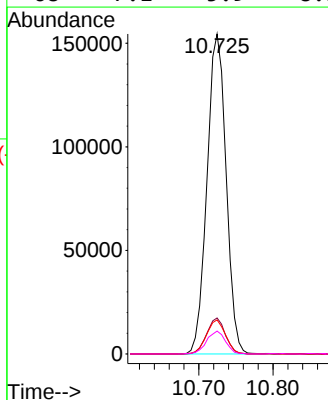
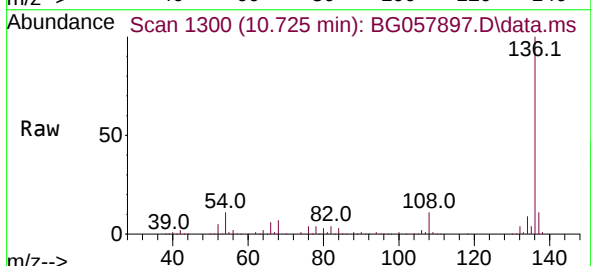
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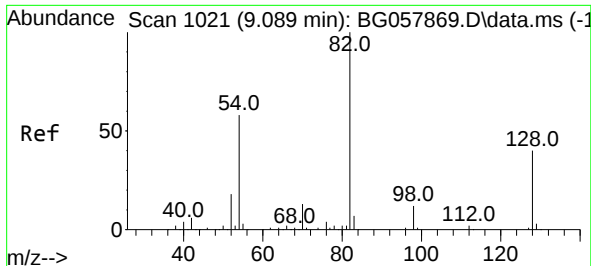
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1300
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Tgt Ion:136 Resp: 276336
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.7 9.3 13.9
68 7.1 5.9 8.9





#23

Nitrobenzene-d5

Concen: 28.690 ng

RT: 9.080 min Scan# 1021

Delta R.T. -0.010 min

Lab File: BG057897.D

Acq: 28 Jun 2023 18:00

Instrument :

BNA_G

ClientSampleId :

OR-02-062623

Tgt Ion: 82 Resp: 16177

Ion Ratio Lower Upper

82 100

128 41.0 32.2 48.4

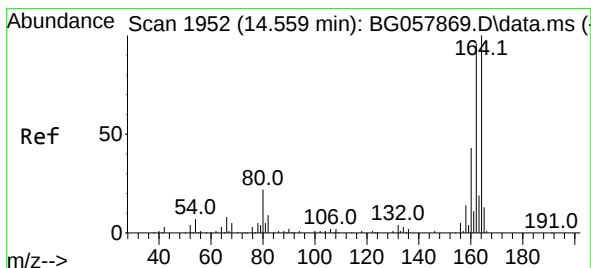
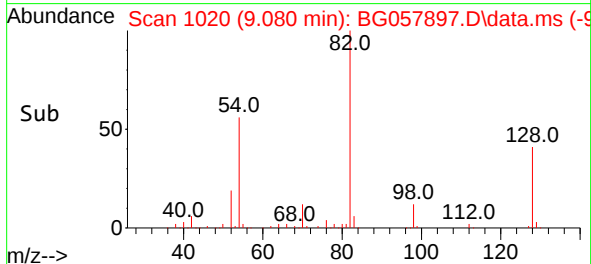
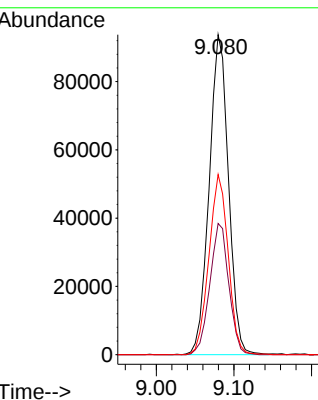
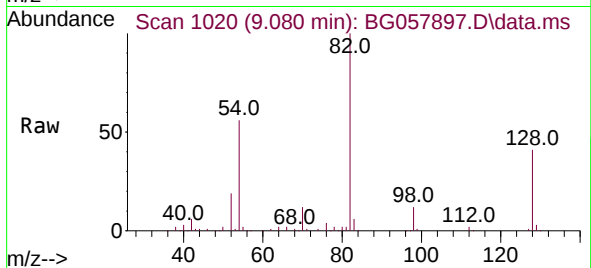
54 56.3 46.1 69.1

Manual Integrations

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Supervised By :mohammad ahmed 06/29/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.555 min Scan# 1952

Delta R.T. -0.004 min

Lab File: BG057897.D

Acq: 28 Jun 2023 18:00

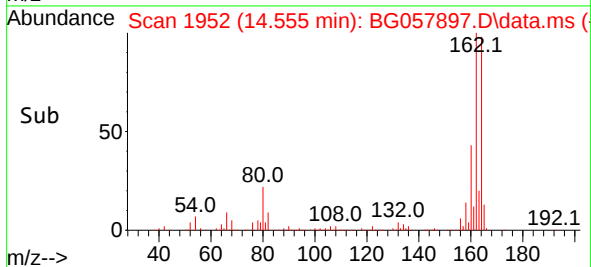
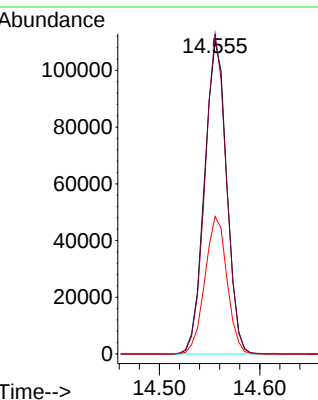
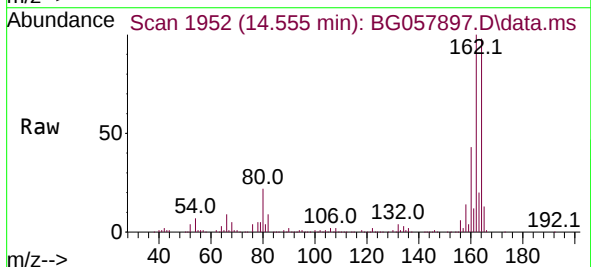
Tgt Ion:164 Resp: 169241

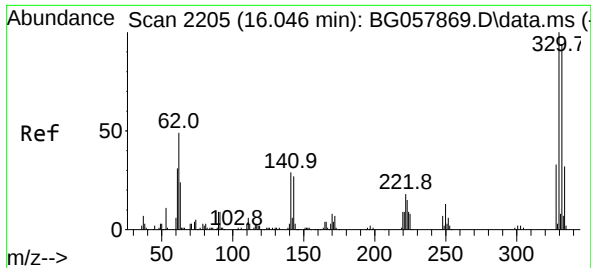
Ion Ratio Lower Upper

164 100

162 102.4 76.4 114.6

160 43.9 34.2 51.2





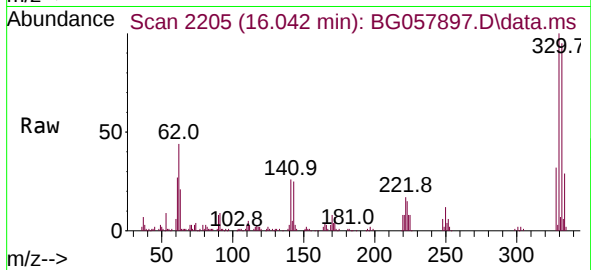
#42
2,4,6-Tribromophenol
Concen: 36.650 ng
RT: 16.042 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Instrument :

BNA_G

ClientSampleId :

OR-02-062623



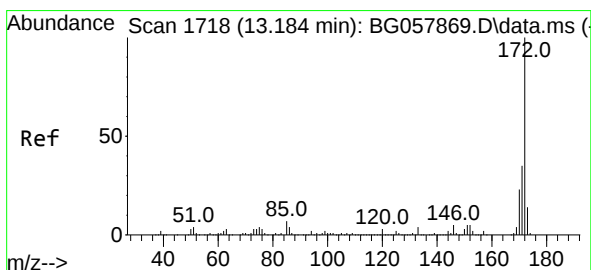
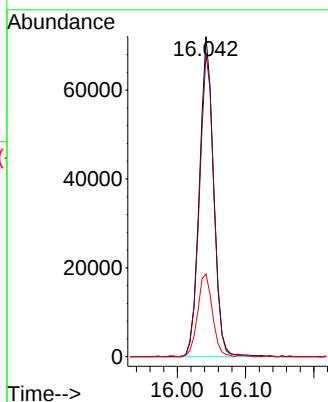
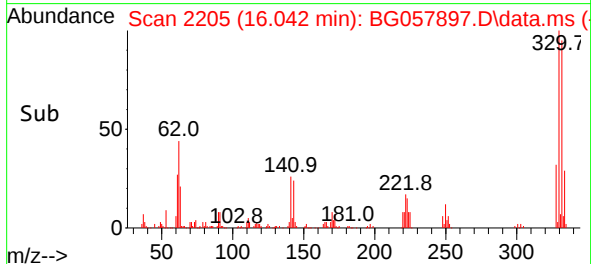
Tgt Ion:330 Resp: 10418
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 26.9 22.2 33.4

Manual Integrations

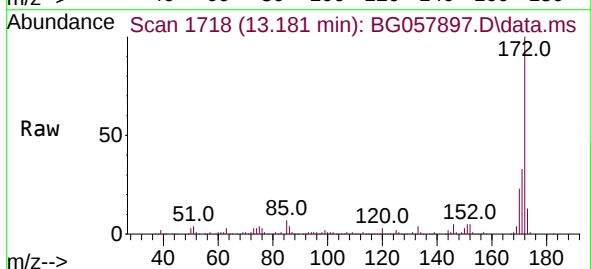
APPROVED

Reviewed By :Yogesh Patel 06/29/2023

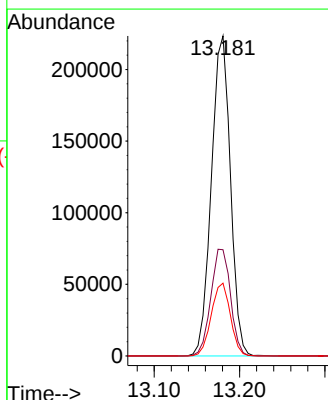
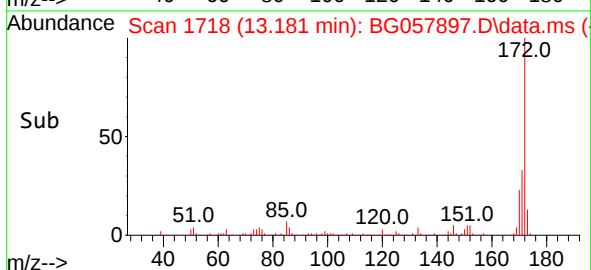
Supervised By :mohammad ahmed 06/29/2023

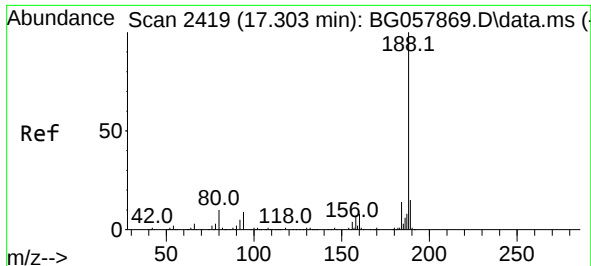


#45
2-Fluorobiphenyl
Concen: 31.210 ng
RT: 13.181 min Scan# 1718
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00



Tgt Ion:172 Resp: 346125
Ion Ratio Lower Upper
172 100
171 33.2 27.8 41.8
170 22.8 18.6 27.8





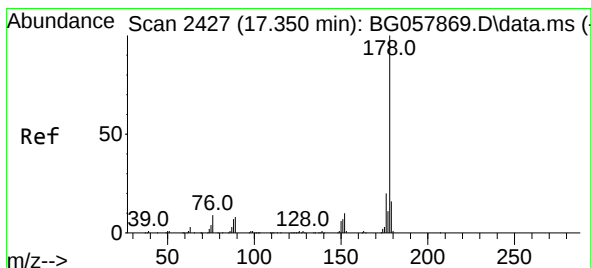
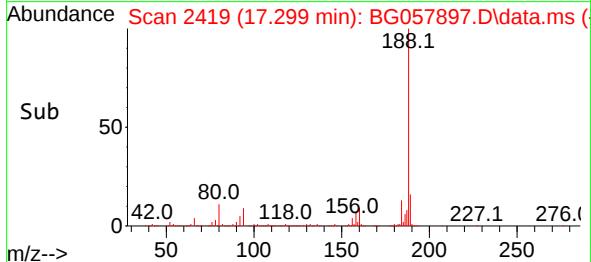
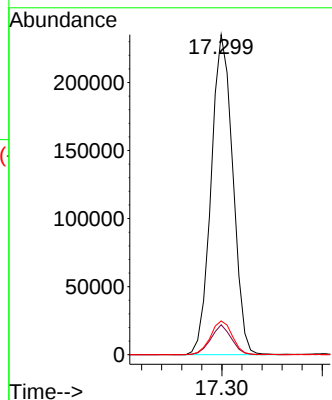
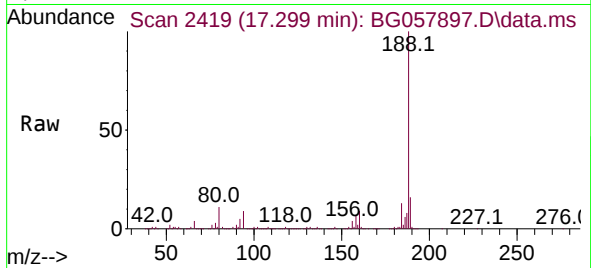
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.299 min Scan# 2419
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Instrument :
BNA_G
ClientSampleId :
OR-02-062623

Tgt Ion:188 Resp: 35303
Ion Ratio Lower Upper
188 100
94 9.3 7.2 10.8
80 10.6 8.4 12.6

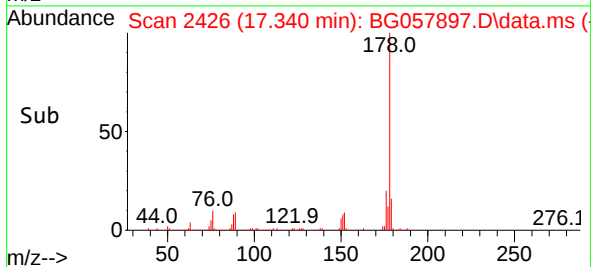
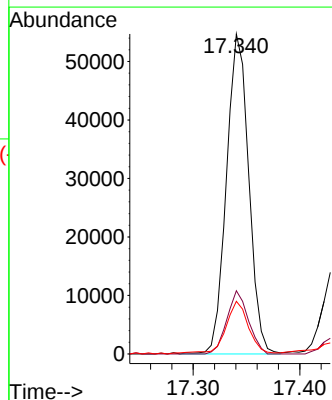
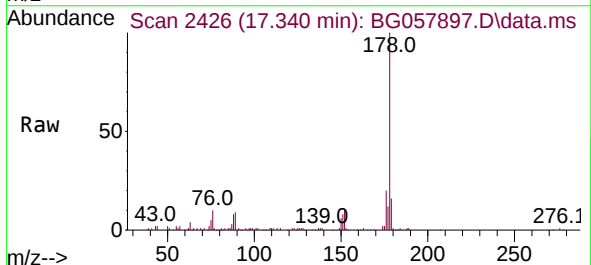
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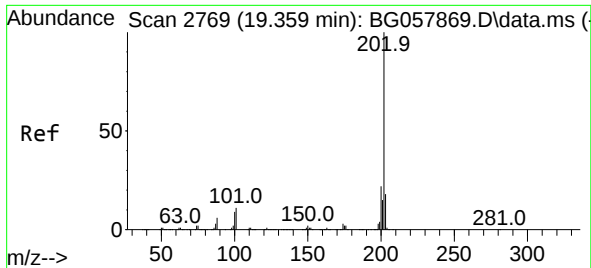
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#71
Phenanthrene
Concen: 4.691 ng
RT: 17.340 min Scan# 2426
Delta R.T. -0.010 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Tgt Ion:178 Resp: 79505
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 16.4 13.2 19.8





#75
Fluoranthene
Concen: 11.343 ng
RT: 19.356 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Instrument :

BNA_G

ClientSampleId :

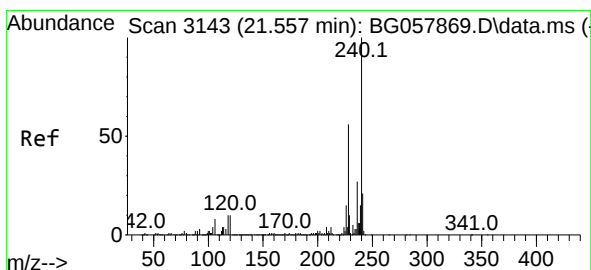
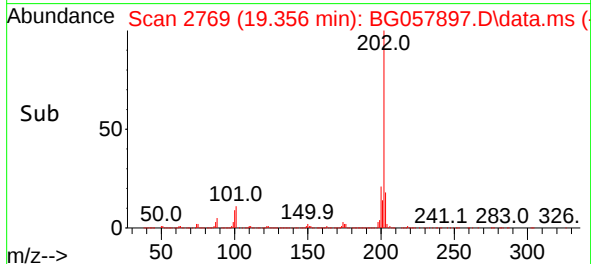
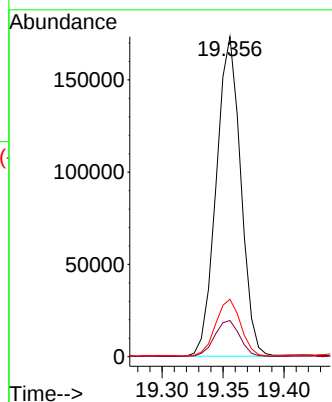
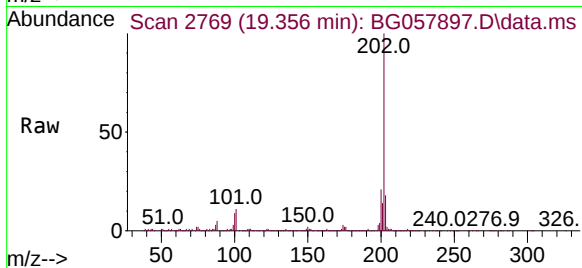
OR-02-062623

Tgt Ion:202 Resp: 242172
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 17.9 0.0 38.2

Manual Integrations

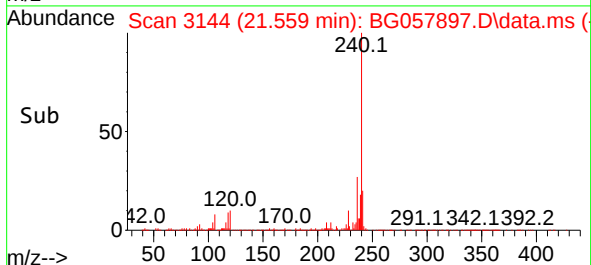
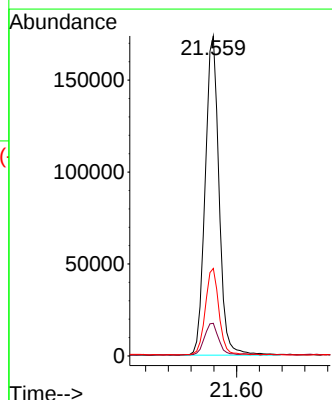
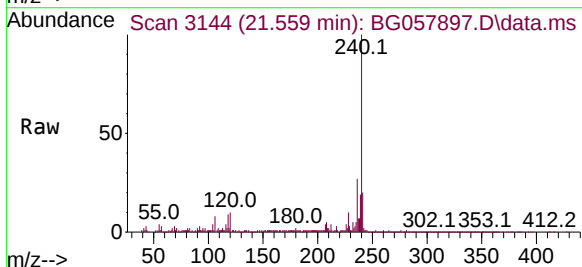
APPROVED

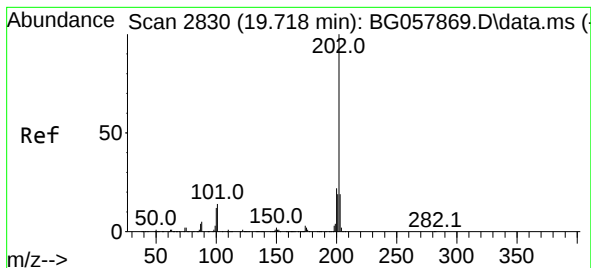
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.559 min Scan# 3144
Delta R.T. 0.002 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Tgt Ion:240 Resp: 293156
Ion Ratio Lower Upper
240 100
120 10.2 8.1 12.1
236 27.4 21.9 32.9





#78

Pyrene

Concen: 11.593 ng

RT: 19.714 min Scan# 2830

Delta R.T. -0.004 min

Lab File: BG057897.D

Acq: 28 Jun 2023 18:00

Instrument :

BNA_G

ClientSampleId :

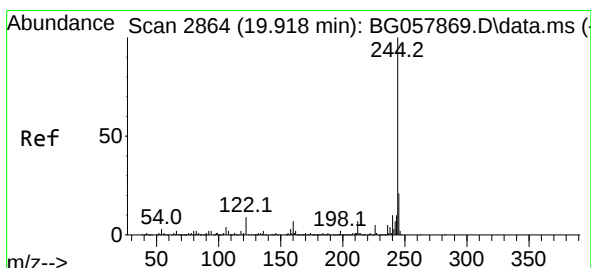
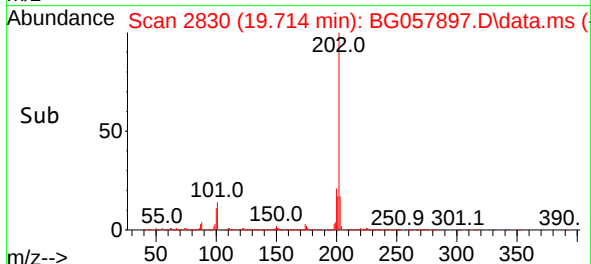
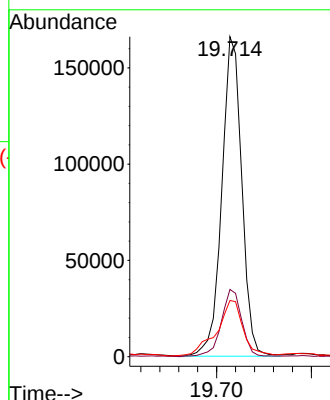
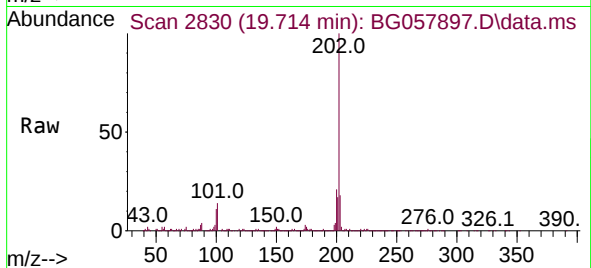
OR-02-062623

Tgt Ion:202 Resp: 24267
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.7 26.5
 203 17.6 15.2 22.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/29/2023
 Supervised By :mohammad ahmed 06/29/2023



#79

Terphenyl-d14

Concen: 29.374 ng

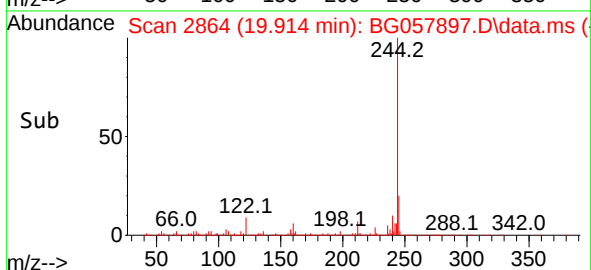
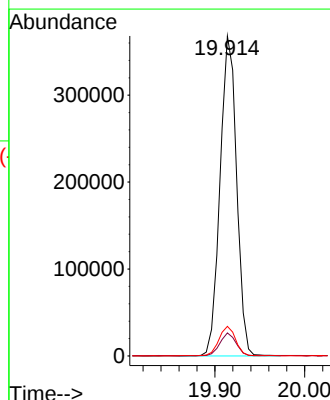
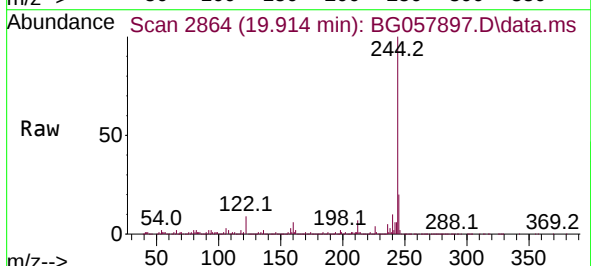
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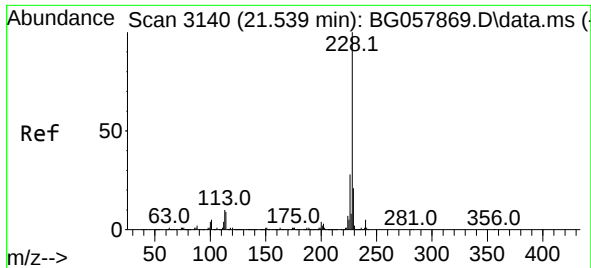
Delta R.T. -0.004 min

Lab File: BG057897.D

Acq: 28 Jun 2023 18:00

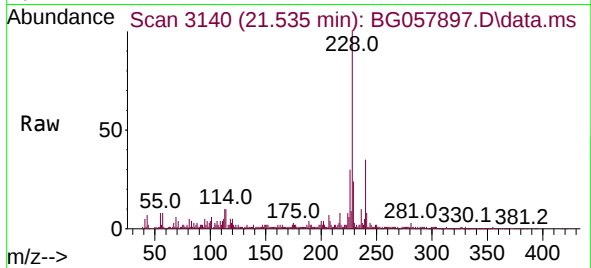
Tgt Ion:244 Resp: 472337
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 9.2 7.4 11.0





#81
Benzo(a)anthracene
Concen: 6.634 ng
RT: 21.535 min Scan# 3140
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

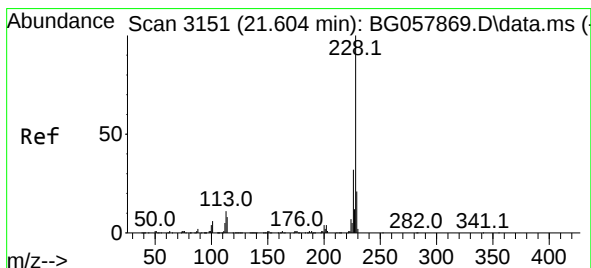
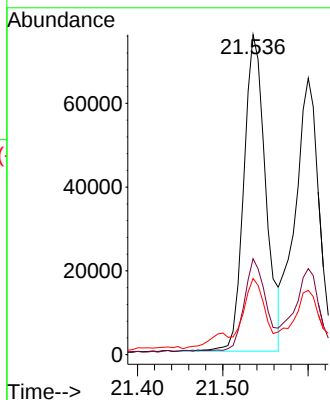
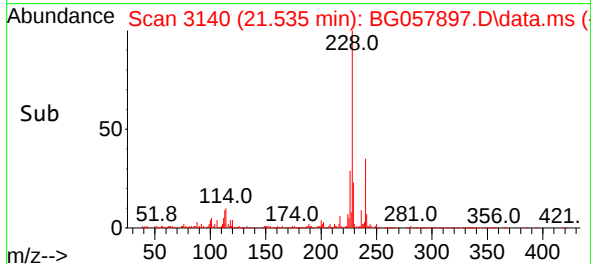
Instrument :
BNA_G
ClientSampleId :
OR-02-062623



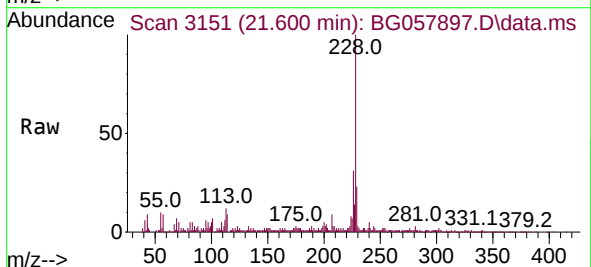
Tgt Ion:228 Resp: 134592
Ion Ratio Lower Upper
228 100
226 30.0 22.7 34.1
229 23.8 16.5 24.7

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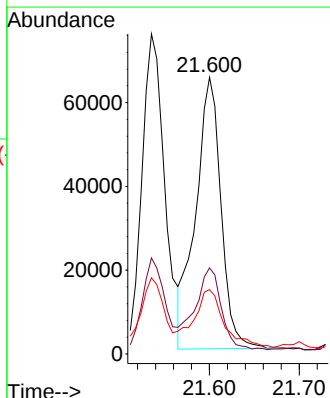
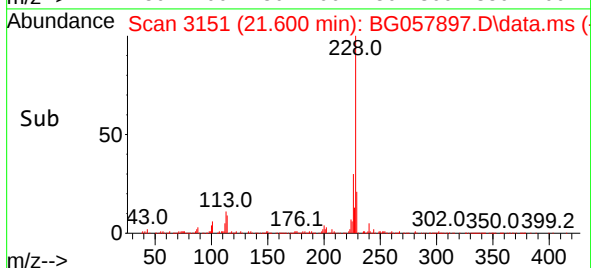
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023

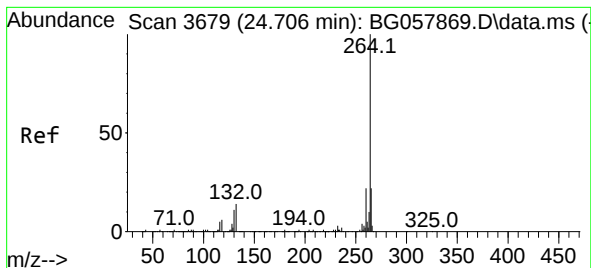


#83
Chrysene
Concen: 6.645 ng
RT: 21.600 min Scan# 3151
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00



Tgt Ion:228 Resp: 127606
Ion Ratio Lower Upper
228 100
226 31.1 25.3 37.9
229 23.2 16.5 24.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.714 min Scan# 30
Delta R.T. 0.008 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Instrument :

BNA_G

ClientSampleId :

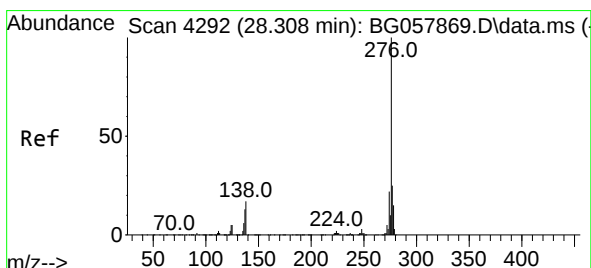
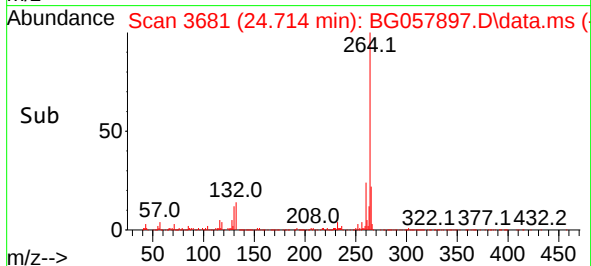
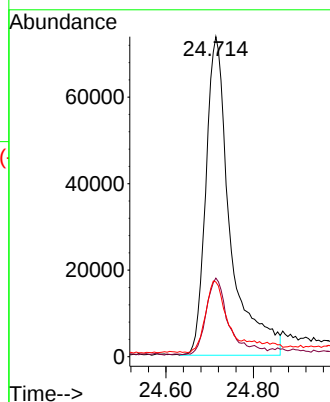
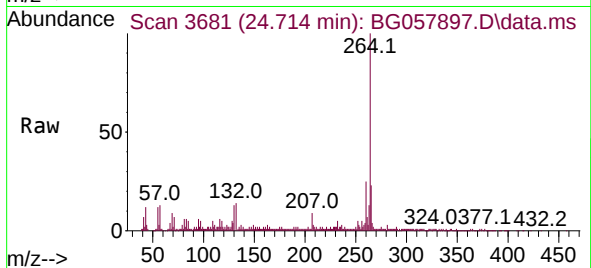
OR-02-062623

Tgt Ion:264 Resp: 285729
Ion Ratio Lower Upper
264 100
260 24.6 17.8 26.8
265 23.4 17.3 25.9

Manual Integrations

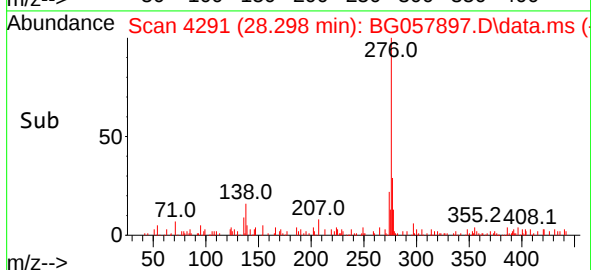
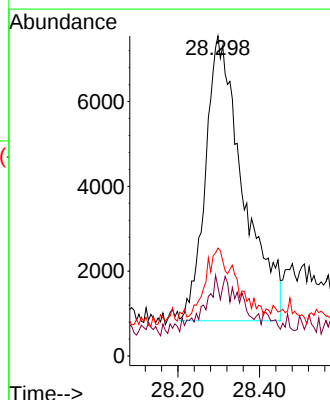
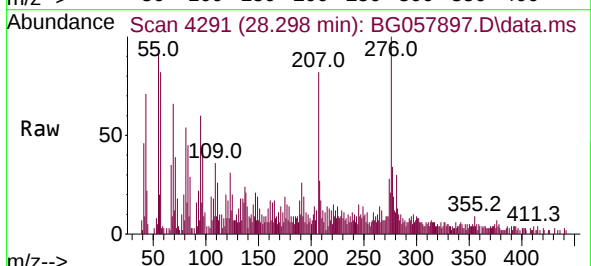
APPROVED

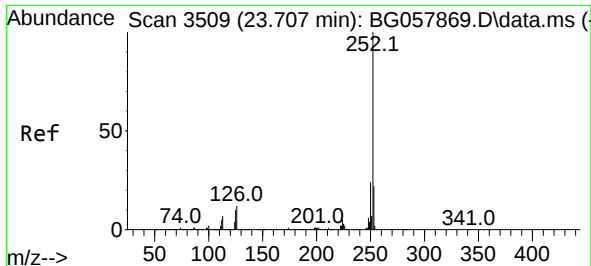
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.271 ng m
RT: 28.298 min Scan# 4291
Delta R.T. -0.010 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

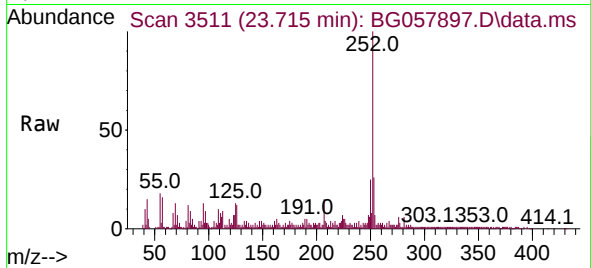
Tgt Ion:276 Resp: 42990
Ion Ratio Lower Upper
276 100
138 0.8 12.2 18.4#
277 1.2 20.4 30.6#





#88
Benzo(b)fluoranthene
Concen: 9.422 ng
RT: 23.715 min Scan# 3511
Delta R.T. 0.008 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

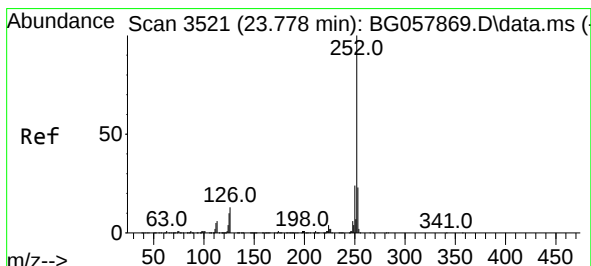
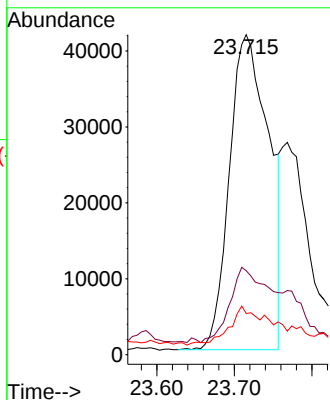
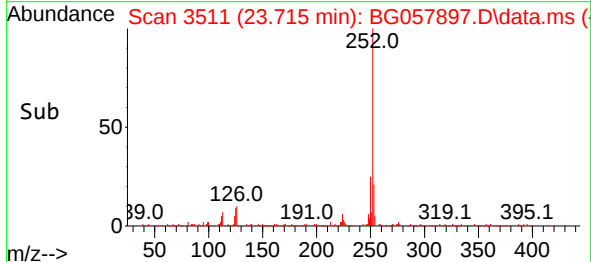
Instrument :
BNA_G
ClientSampleId :
OR-02-062623



Tgt Ion:252 Resp: 14683
Ion Ratio Lower Upper
252 100
253 26.2 17.7 26.5
125 12.9 7.7 11.5

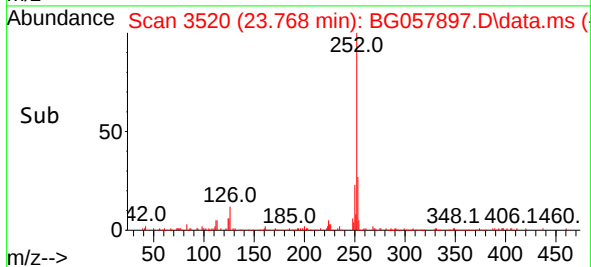
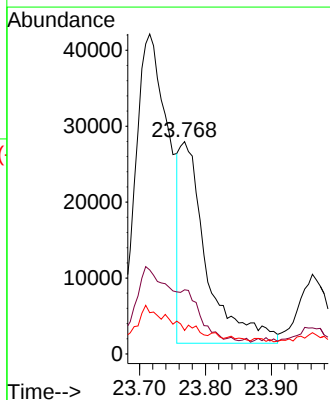
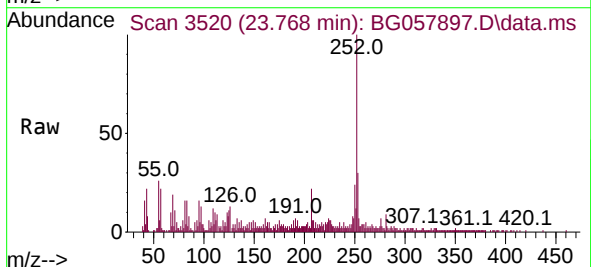
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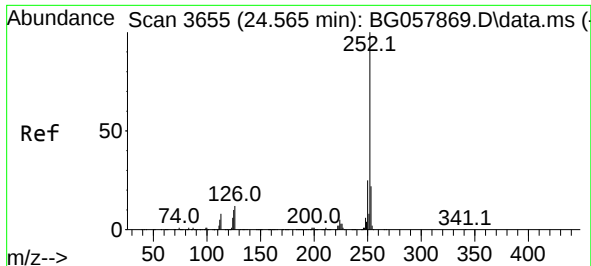
Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#89
Benzo(k)fluoranthene
Concen: 4.791 ng m
RT: 23.768 min Scan# 3520
Delta R.T. -0.010 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Tgt Ion:252 Resp: 75462
Ion Ratio Lower Upper
252 100
253 30.2 18.1 27.1#
125 11.1 7.8 11.6





#90
Benzo(a)pyrene
Concen: 6.570 ng
RT: 24.561 min Scan# 30
Delta R.T. -0.004 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Instrument :

BNA_G

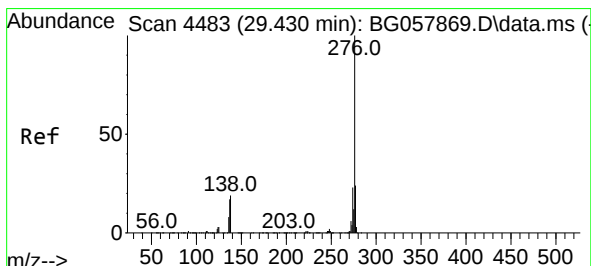
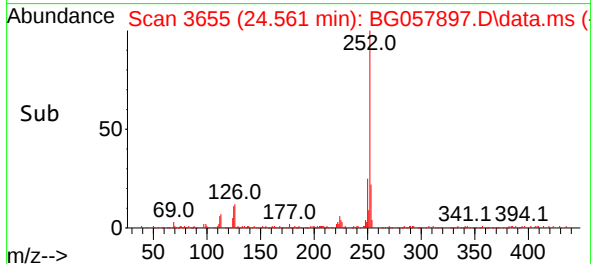
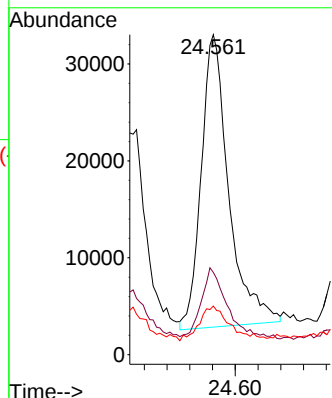
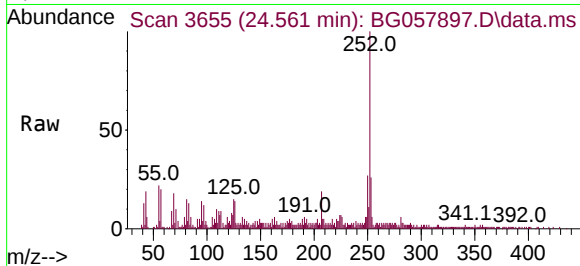
ClientSampleId :

OR-02-062623

Tgt Ion:252 Resp: 10141
Ion Ratio Lower Upper
252 100
253 25.7 17.7 26.5
125 15.2 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/29/2023
Supervised By :mohammad ahmed 06/29/2023



#92
Benzo(g,h,i)perylene
Concen: 2.639 ng m
RT: 29.420 min Scan# 4482
Delta R.T. -0.010 min
Lab File: BG057897.D
Acq: 28 Jun 2023 18:00

Tgt Ion:276 Resp: 41173
Ion Ratio Lower Upper
276 100
277 27.3 19.4 29.2
138 27.9 15.0 22.6

