

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
 Data File : BG060880.D
 Acq On : 12 Apr 2024 19:04
 Operator : MA/JU
 Sample : P2067-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/16/2024
 Supervised By :mohammad ahmed 04/17/2024

Quant Time: Apr 12 22:42:10 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	7.950	152	63977	20.000	ng	-0.01
21) Naphthalene-d8	10.747	136	238700	20.000	ng	-0.01
39) Acenaphthene-d10	14.578	164	173390	20.000	ng	-0.01
64) Phenanthrene-d10	17.327	188	402045	20.000	ng	-0.01
76) Chrysene-d12	21.593	240	377851	20.000	ng	#-0.01
86) Perylene-d12	24.730	264	435850	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	145418	37.865	ng	0.00
7) Phenol-d6	7.116	99	195441	34.284	ng	0.00
23) Nitrobenzene-d5	9.102	82	132650	31.710	ng	-0.01
42) 2,4,6-Tribromophenol	16.064	330	112515	57.165	ng	-0.01
45) 2-Fluorobiphenyl	13.203	172	322897	27.331	ng	-0.02
79) Terphenyl-d14	19.948	244	609318	28.395	ng	-0.02
Target Compounds						Qvalue
49) Acenaphthylene	14.302	152	46338	2.964	ng	99
58) Fluorene	15.629	166	48181	3.877	ng	98
71) Phenanthrene	17.369	178	644027	30.801	ng	98
72) Anthracene	17.463	178	109016	5.134	ng	99
75) Fluoranthene	19.384	202	1172137	46.197	ng	97
78) Pyrene	19.748	202	1002029	37.918	ng	99
81) Benzo(a)anthracene	21.575	228	583800	21.919	ng	98
83) Chrysene	21.640	228	546802m	21.300	ng	
87) Indeno(1,2,3-cd)pyrene	28.279	276	234689m	7.646	ng	
88) Benzo(b)fluoranthene	23.749	252	671337	26.811	ng	98
89) Benzo(k)fluoranthene	23.802	252	231202m	9.021	ng	
90) Benzo(a)pyrene	24.589	252	483256	19.860	ng	98
92) Benzo(g,h,i)perylene	29.396	276	207213m	8.233	ng	

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

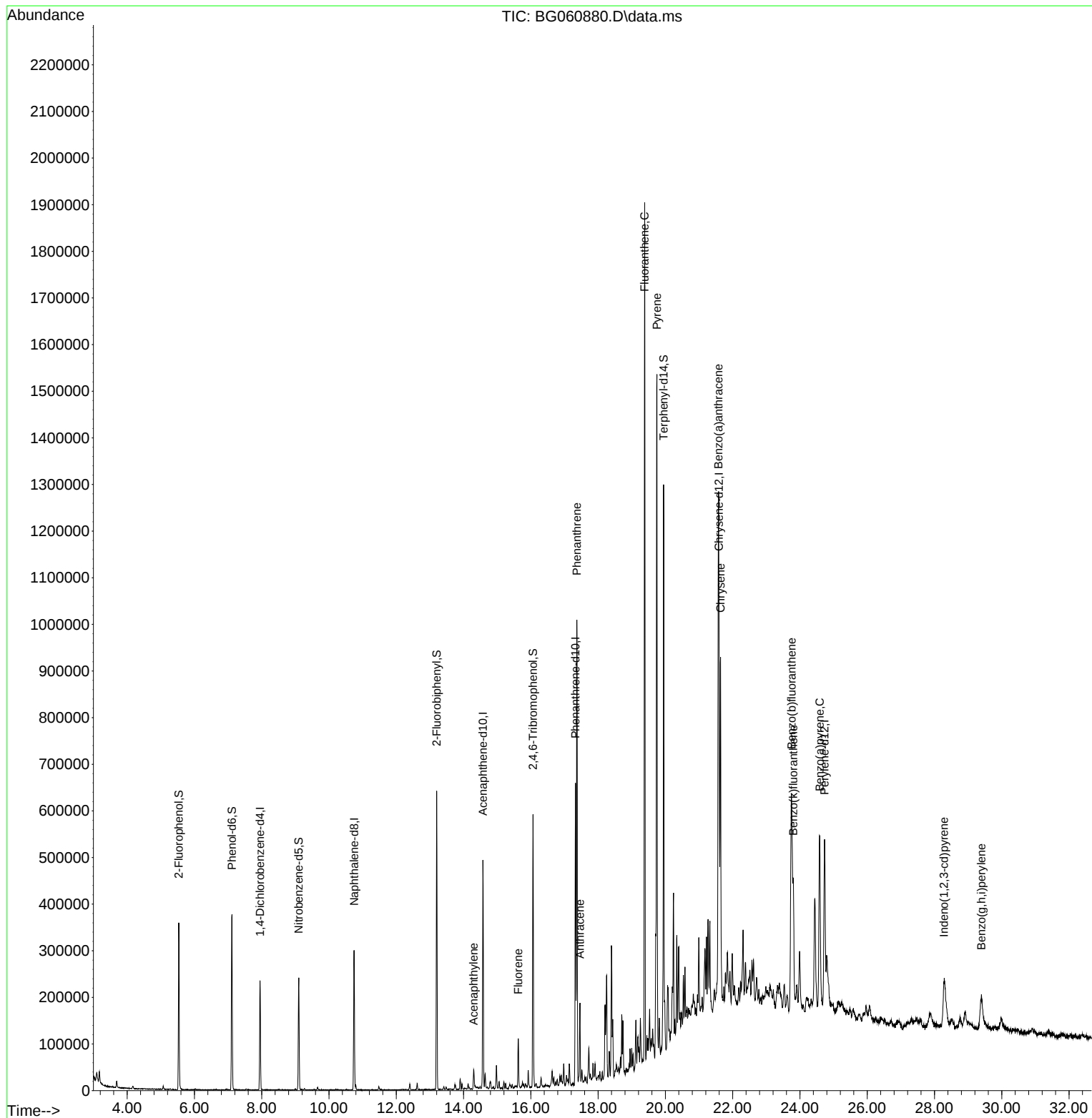
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041224\
Data File : BG060880.D
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ALS Vial : 10 Sample Multiplier: 1

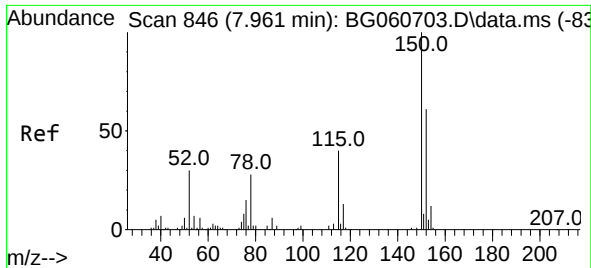
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL

Quant Time: Apr 12 22:42:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.950 min Scan# 846
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

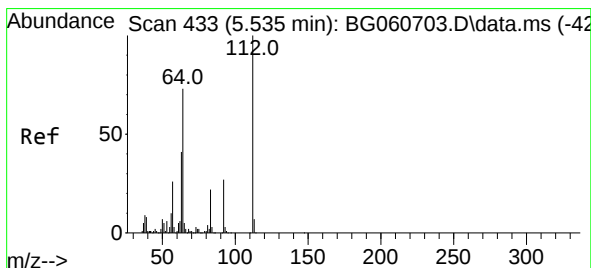
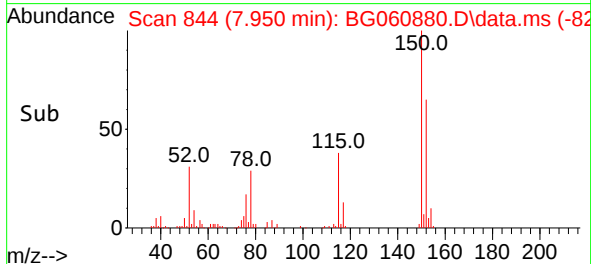
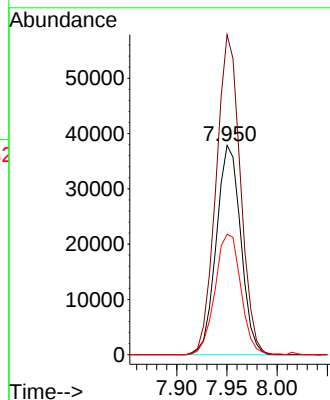
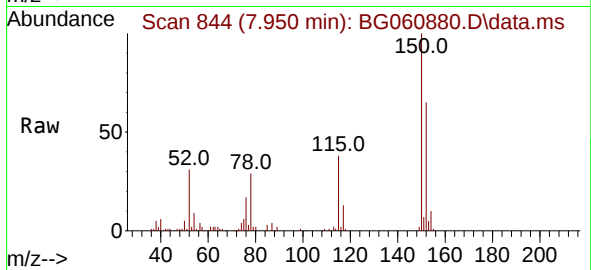
ETGI-346DL

Tgt Ion:152 Resp: 6397
Ion Ratio Lower Upper
152 100
150 152.9 130.2 195.4
115 57.5 51.6 77.4

Manual Integrations

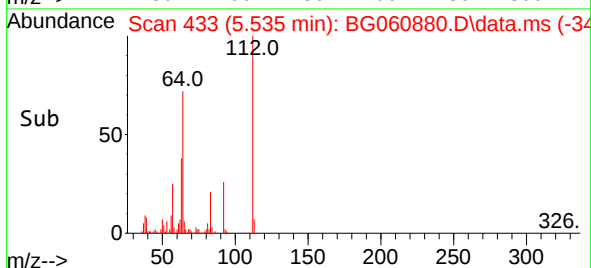
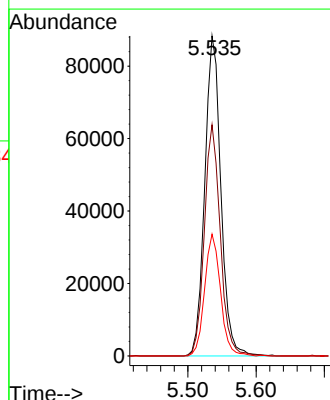
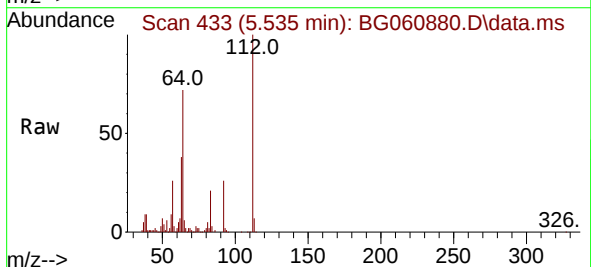
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#5
2-Fluorophenol
Concen: 37.865 ng
RT: 5.535 min Scan# 433
Delta R.T. 0.000 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

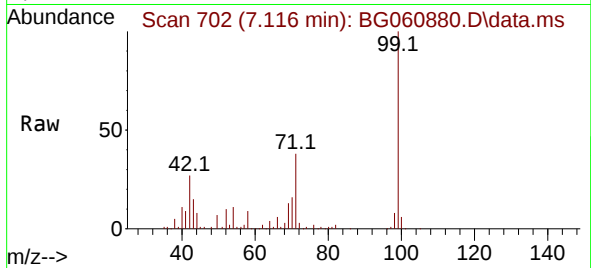
Tgt Ion:112 Resp: 145418
Ion Ratio Lower Upper
112 100
64 72.3 58.4 87.6
63 38.0 32.7 49.1





#7
Phenol-d6
Concen: 34.284 ng
RT: 7.116 min Scan# 702
Delta R.T. 0.000 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

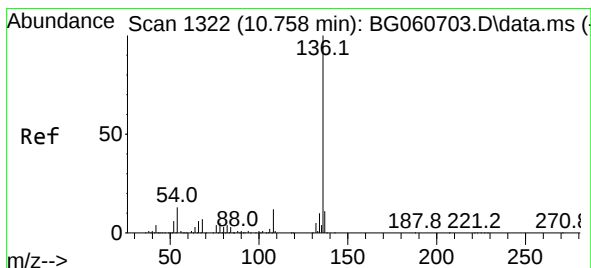
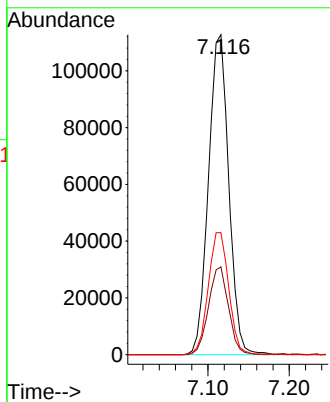
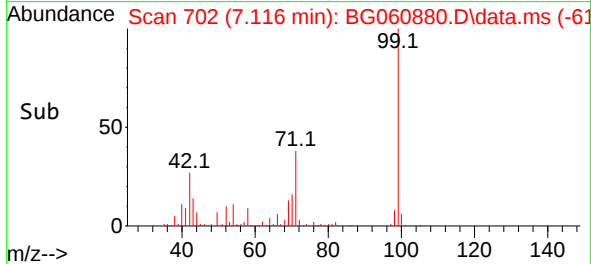
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL



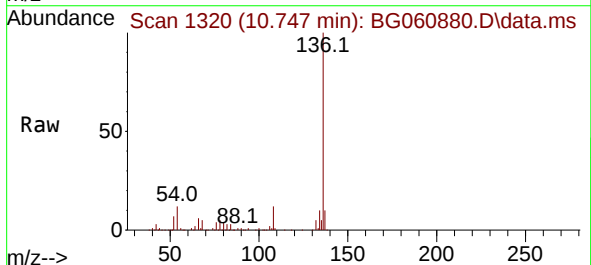
Tgt Ion: 99 Resp: 19544
Ion Ratio Lower Upper
99 100
42 27.5 19.4 29.2
71 38.1 28.2 42.2

Manual Integrations
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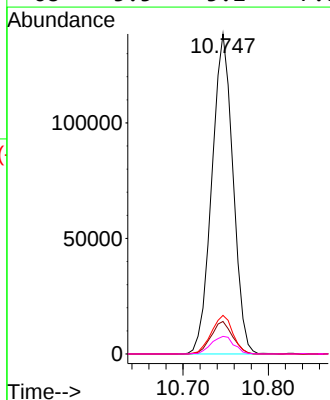
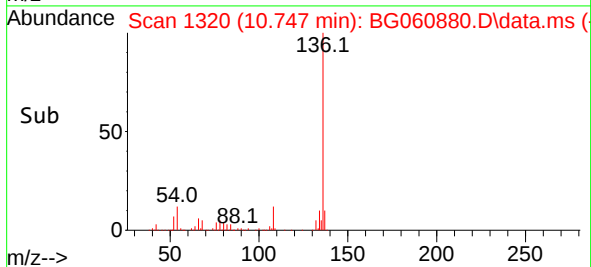
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024

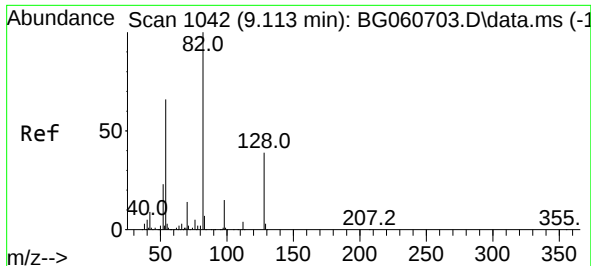


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.747 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04



Tgt Ion:136 Resp: 238700
Ion Ratio Lower Upper
136 100
137 10.2 8.8 13.2
54 12.1 10.2 15.2
68 5.5 5.2 7.8





#23

Nitrobenzene-d5

Concen: 31.710 ng

RT: 9.102 min Scan# 1040

Delta R.T. -0.011 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL

Tgt Ion: 82 Resp: 132650

Ion Ratio Lower Upper

82 100

128 40.0 31.2 46.8

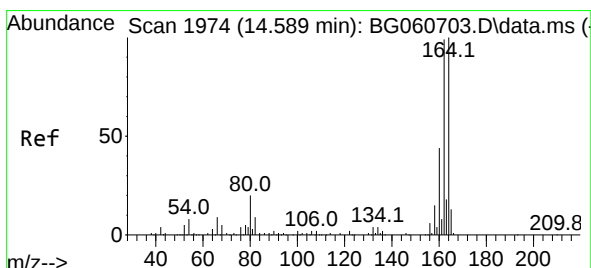
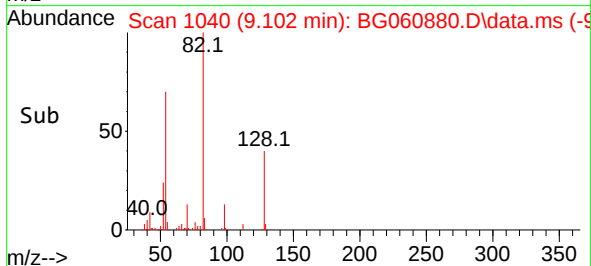
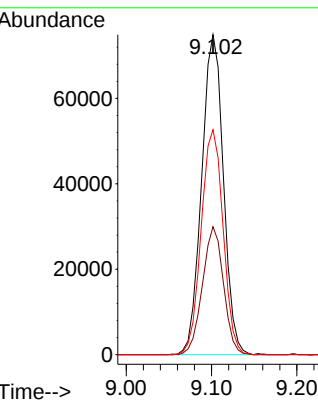
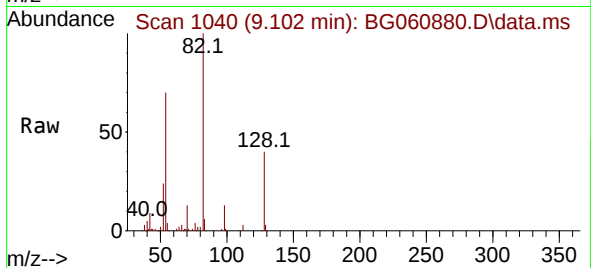
54 70.3 53.2 79.8

Manual Integrations

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Supervised By :mohammad ahmed 04/17/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.578 min Scan# 1972

Delta R.T. -0.011 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

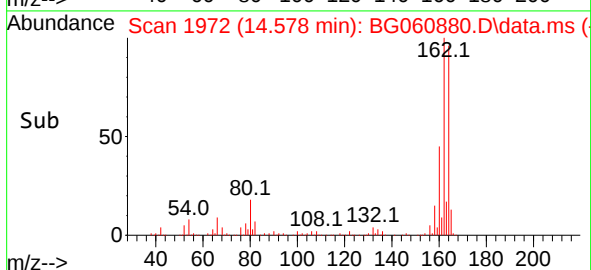
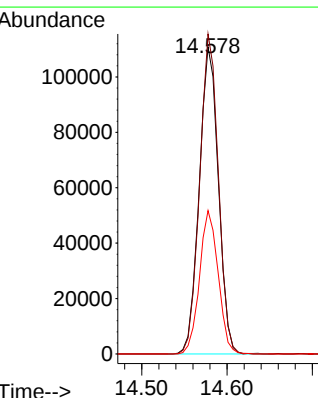
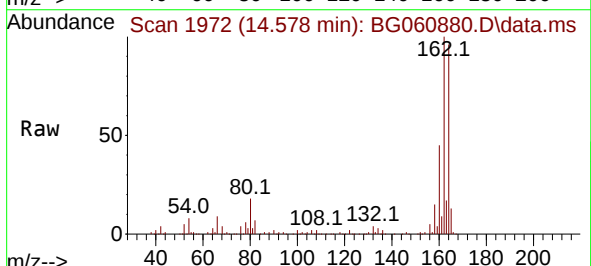
Tgt Ion:164 Resp: 173390

Ion Ratio Lower Upper

164 100

162 104.2 79.5 119.3

160 46.7 35.4 53.0





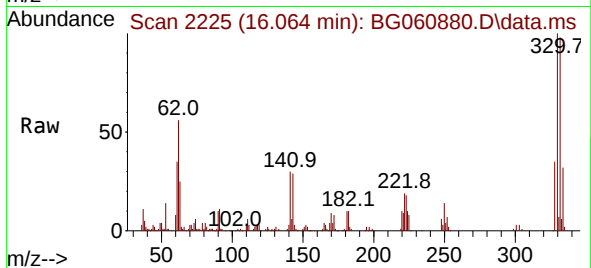
#42
2,4,6-Tribromophenol
Concen: 57.165 ng
RT: 16.064 min Scan# 211
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL



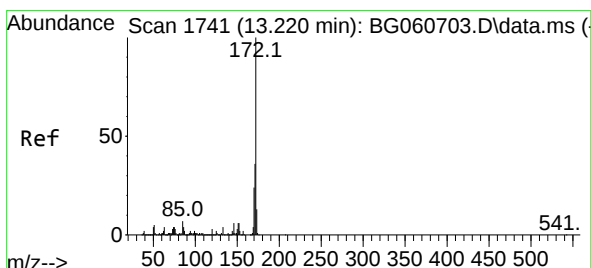
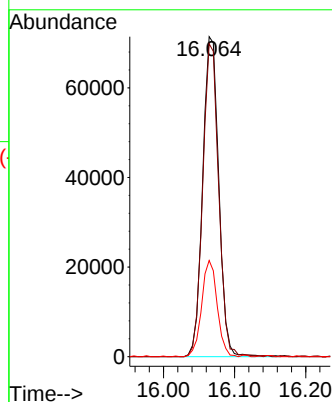
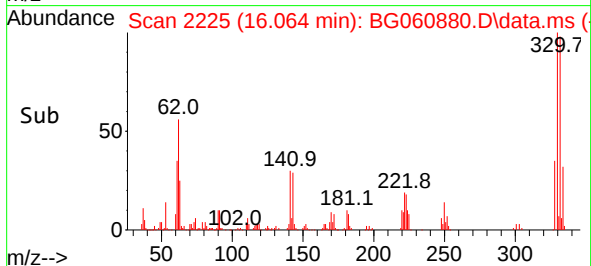
Tgt Ion:330 Resp: 11251
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 28.9 27.0 40.6

Manual Integrations

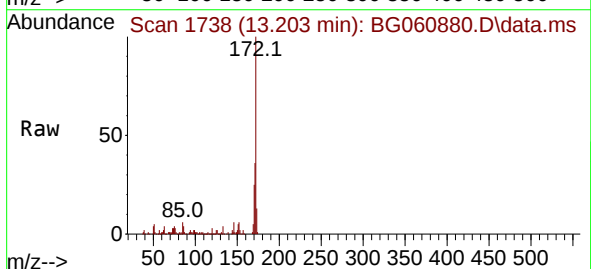
APPROVED

Reviewed By :Yogesh Patel 04/16/2024

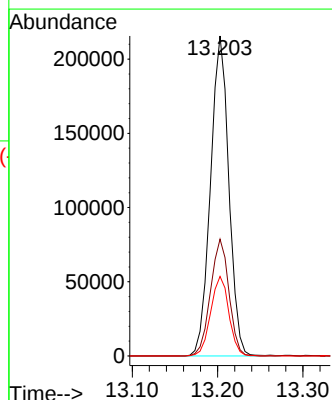
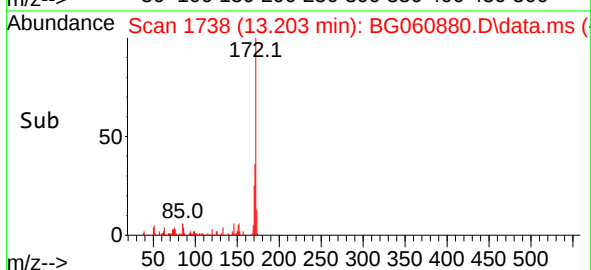
Supervised By :mohammad ahmed 04/17/2024

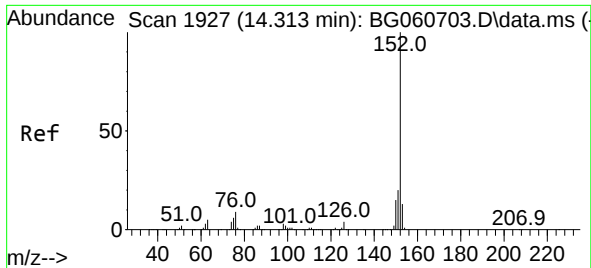


#45
2-Fluorobiphenyl
Concen: 27.331 ng
RT: 13.203 min Scan# 1738
Delta R.T. -0.017 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04



Tgt Ion:172 Resp: 322897
Ion Ratio Lower Upper
172 100
171 36.5 28.7 43.1
170 24.8 19.4 29.0





#49
Acenaphthylene
Concen: 2.964 ng
RT: 14.302 min Scan# 1925
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

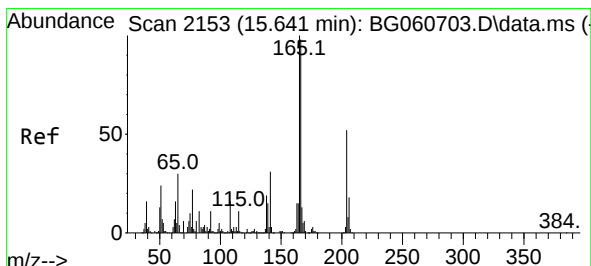
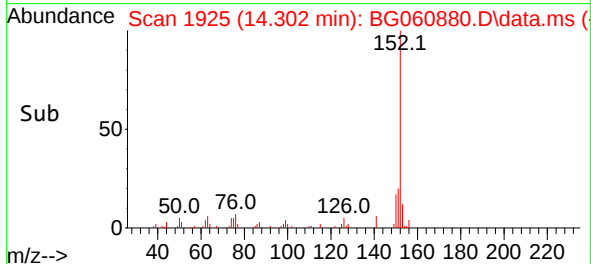
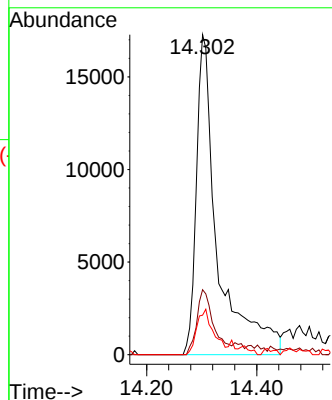
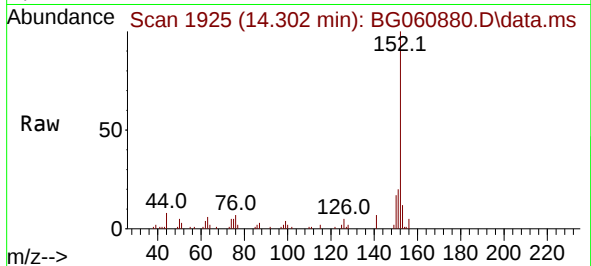
ETGI-346DL

Tgt Ion:152 Resp: 46338
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 12.3 10.5 15.7

Manual Integrations

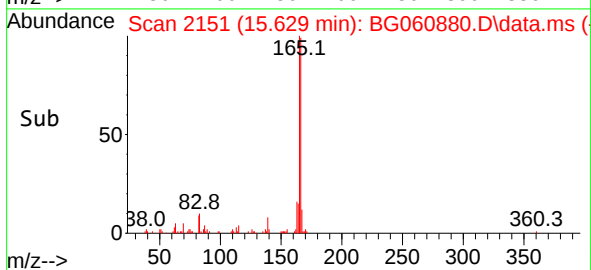
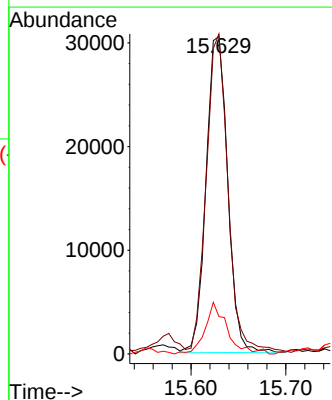
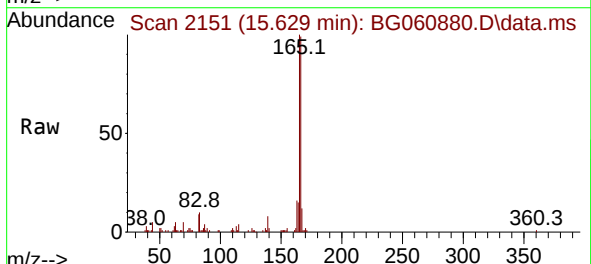
APPROVED

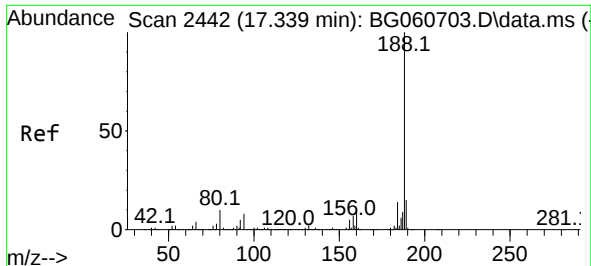
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024



#58
Fluorene
Concen: 3.877 ng
RT: 15.629 min Scan# 2151
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:166 Resp: 48181
Ion Ratio Lower Upper
166 100
165 100.8 81.8 122.8
167 11.8 10.9 16.3





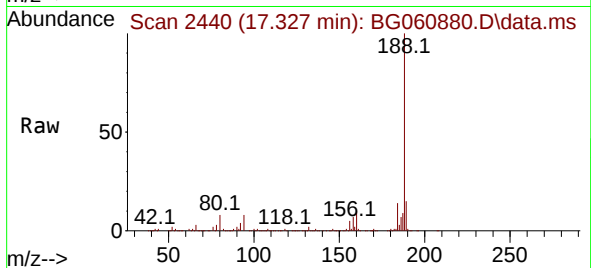
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Phenanthrene-d10
Concen: 20.000 ng
RT: 17.327 min Scan# 2442
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL



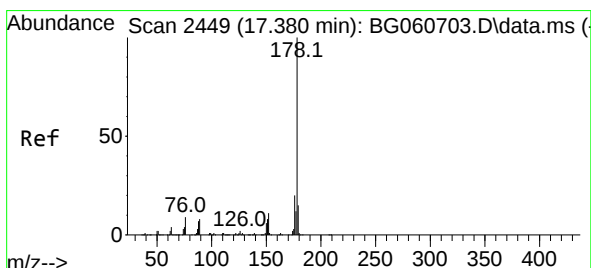
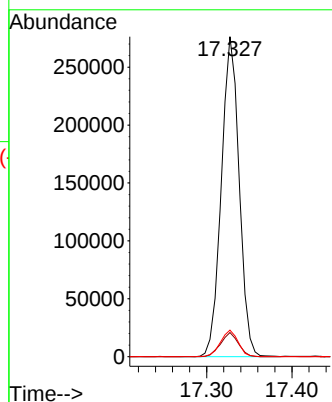
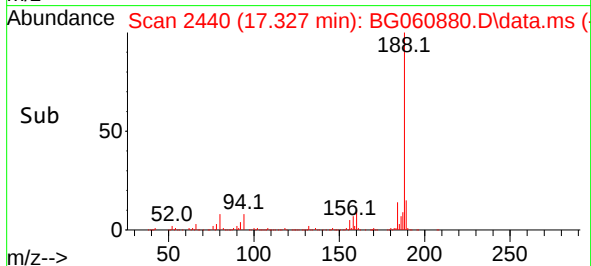
Tgt Ion:188 Resp: 402045
Ion Ratio Lower Upper
188 100
94 7.6 6.6 9.8
80 8.3 7.6 11.4

Manual Integrations

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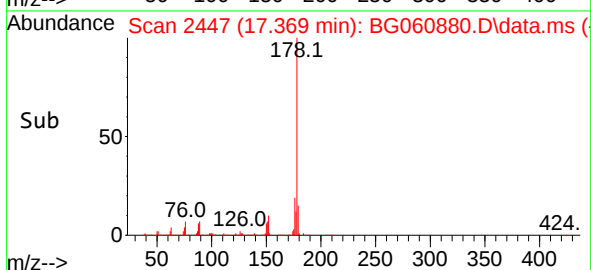
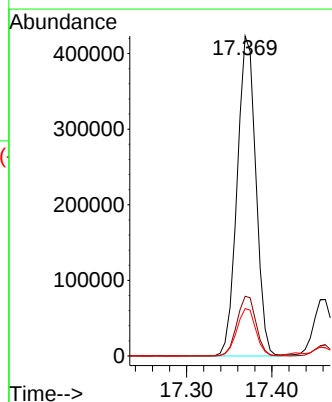
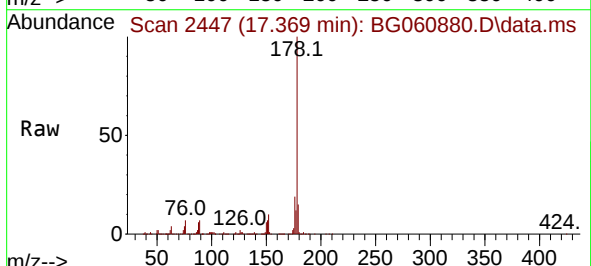
Reviewed By :Yogesh Patel 04/16/2024

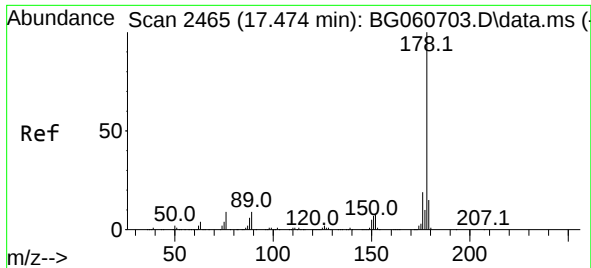
Supervised By :mohammad ahmed 04/17/2024



#71
Phenanthrene
Concen: 30.801 ng
RT: 17.369 min Scan# 2447
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Tgt Ion:178 Resp: 644027
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 14.8 12.2 18.4





#72
 Anthracene
 Concen: 5.134 ng
 RT: 17.463 min Scan# 2463
 Delta R.T. -0.011 min
 Lab File: BG060880.D
 Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

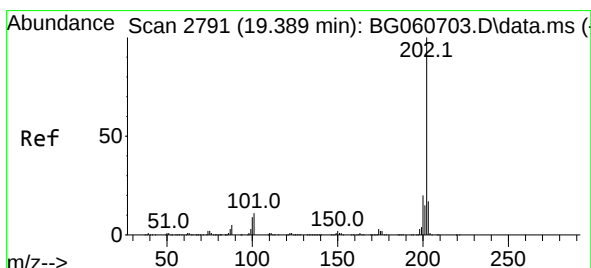
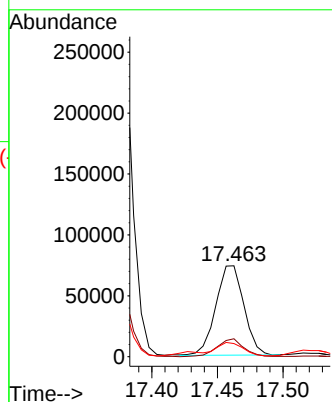
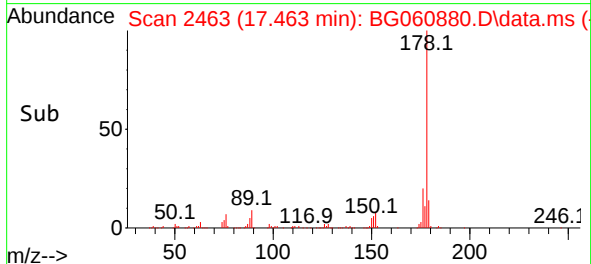
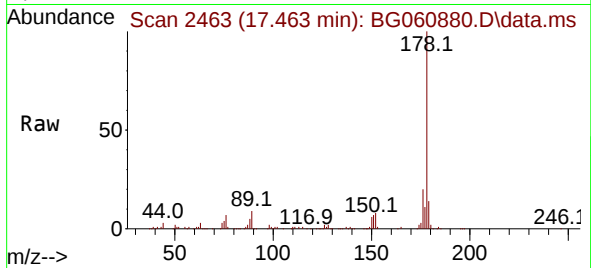
ETGI-346DL

Tgt Ion:178 Resp: 109010
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.5 23.3
 179 14.4 12.2 18.2

Manual Integrations

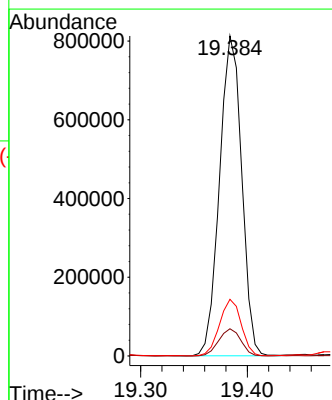
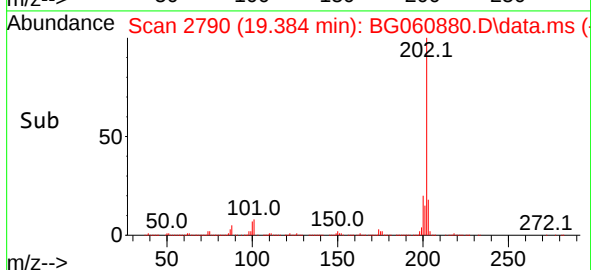
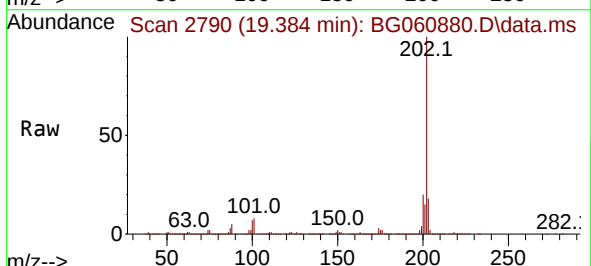
APPROVED

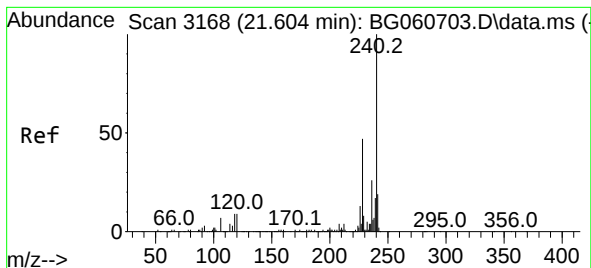
Reviewed By :Yogesh Patel 04/16/2024
 Supervised By :mohammad ahmed 04/17/2024



#75
 Fluoranthene
 Concen: 46.197 ng
 RT: 19.384 min Scan# 2790
 Delta R.T. -0.005 min
 Lab File: BG060880.D
 Acq: 12 Apr 2024 19:04

Tgt Ion:202 Resp: 1172137
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 30.8
 203 17.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.593 min Scan# 3166

Delta R.T. -0.011 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL

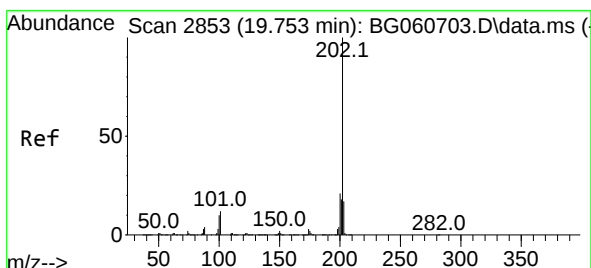
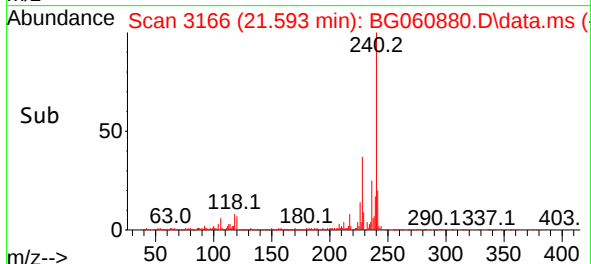
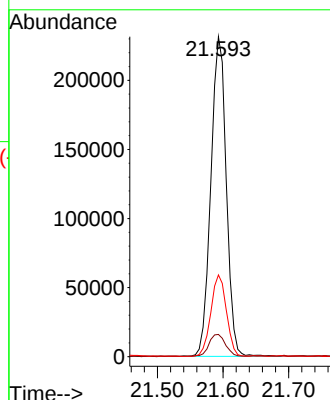
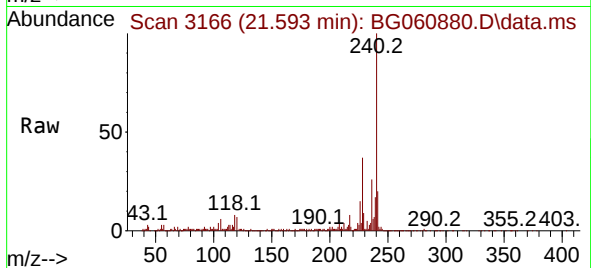
Tgt Ion:240 Resp: 37785
 Ion Ratio Lower Upper
 240 100
 120 7.0 7.1 10.7
 236 25.5 20.7 31.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#78

Pyrene

Concen: 37.918 ng

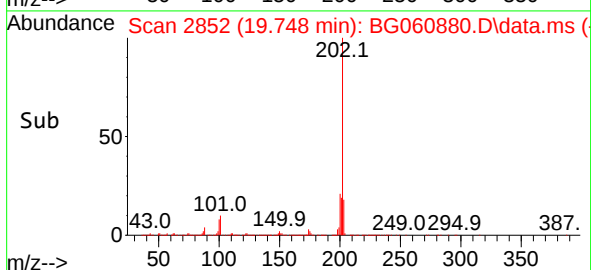
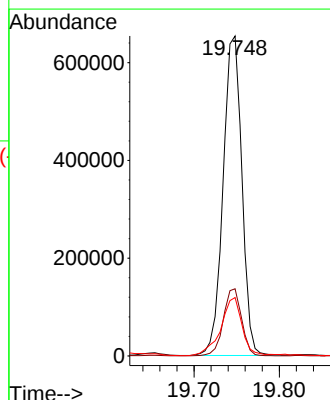
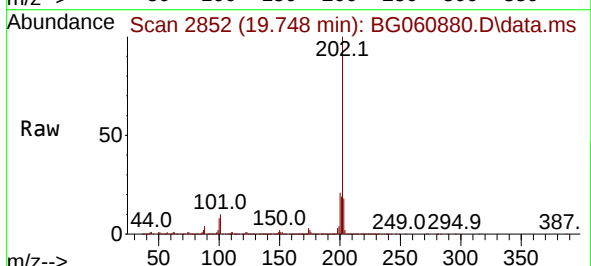
RT: 19.748 min Scan# 2852

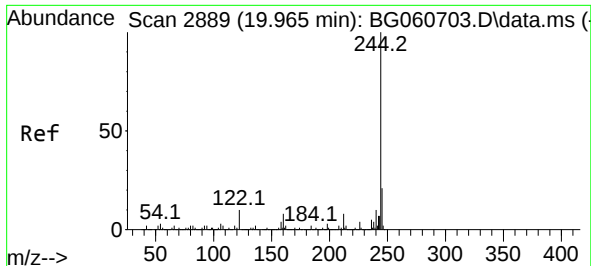
Delta R.T. -0.005 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Tgt Ion:202 Resp: 1002029
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 18.3 14.0 21.0





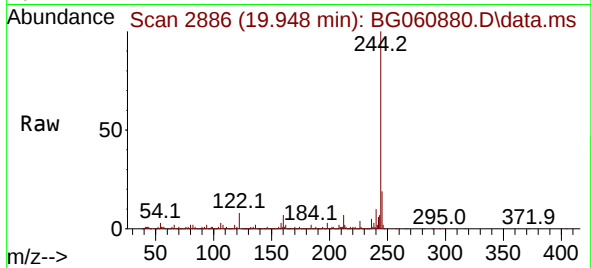
#79
 Terphenyl-d14
 Concen: 28.395 ng
 RT: 19.948 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BG060880.D
 Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL



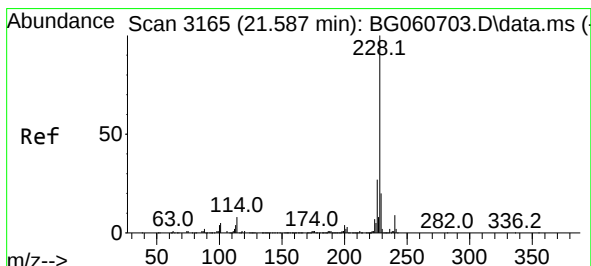
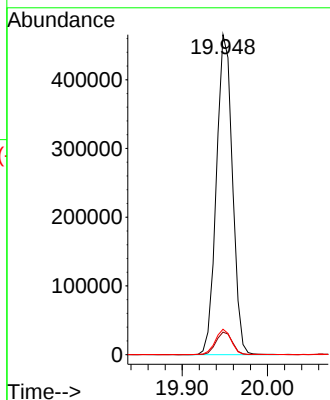
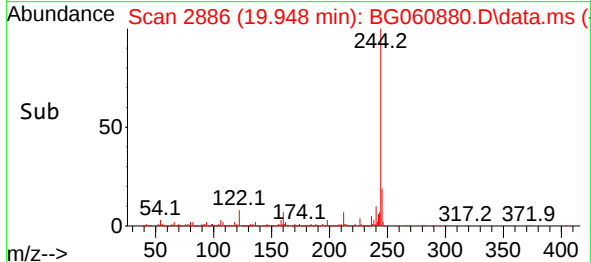
Tgt Ion:244 Resp: 609318
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 7.9 7.8 11.8

Manual Integrations

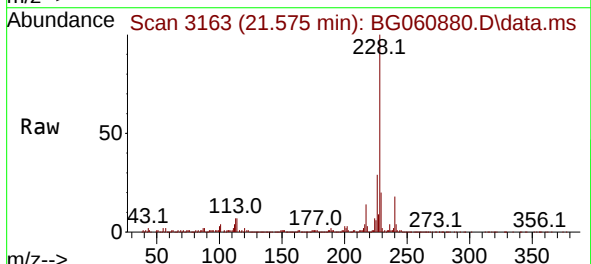
APPROVED

Reviewed By :Yogesh Patel 04/16/2024

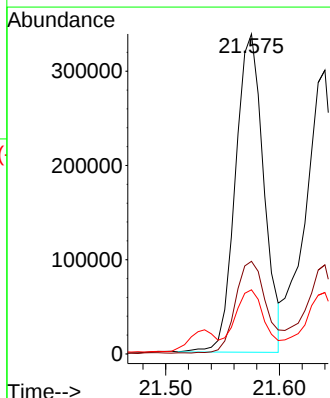
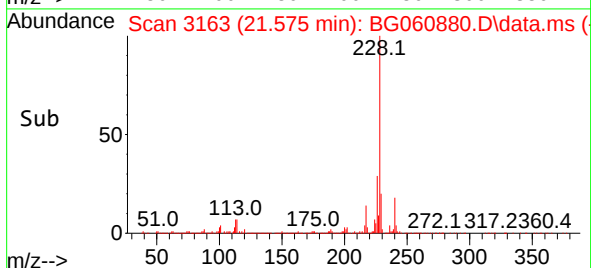
Supervised By :mohammad ahmed 04/17/2024

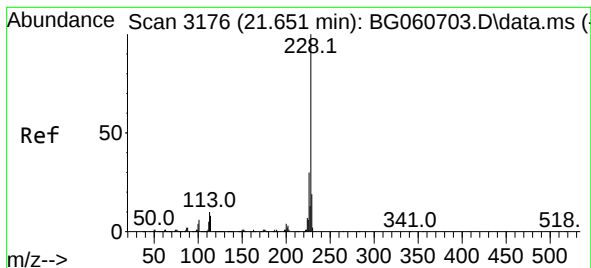


#81
 Benzo(a)anthracene
 Concen: 21.919 ng
 RT: 21.575 min Scan# 3163
 Delta R.T. -0.011 min
 Lab File: BG060880.D
 Acq: 12 Apr 2024 19:04



Tgt Ion:228 Resp: 583800
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.7 32.5
 229 20.0 15.8 23.8





#83

Chrysene

Concen: 21.300 ng m

RT: 21.640 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL

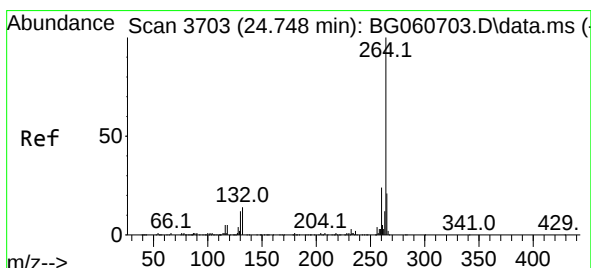
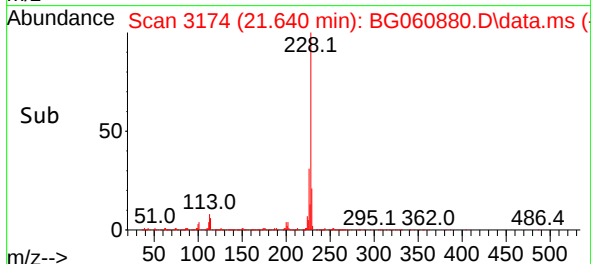
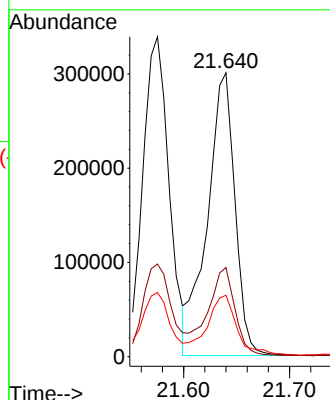
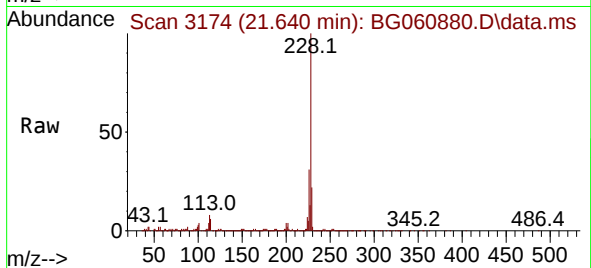
Tgt Ion:	228	Resp:	54680
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.2	36.4
229	21.7	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/16/2024

Supervised By :mohammad ahmed 04/17/2024



#86

Perylene-d12

Concen: 20.000 ng

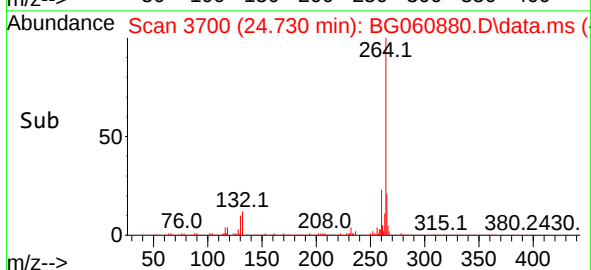
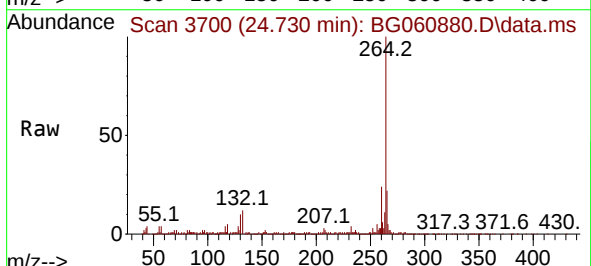
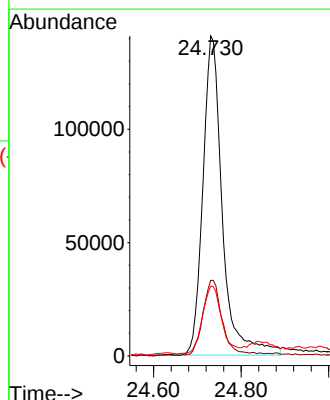
RT: 24.730 min Scan# 3700

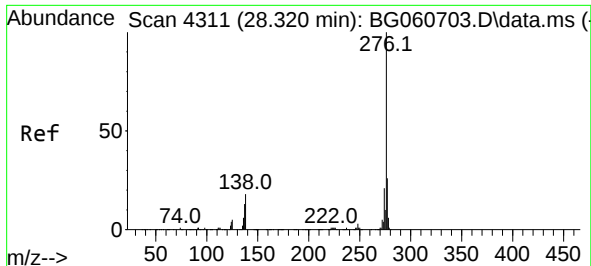
Delta R.T. -0.017 min

Lab File: BG060880.D

Acq: 12 Apr 2024 19:04

Tgt Ion:	264	Resp:	435850
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	21.9	16.9	25.3





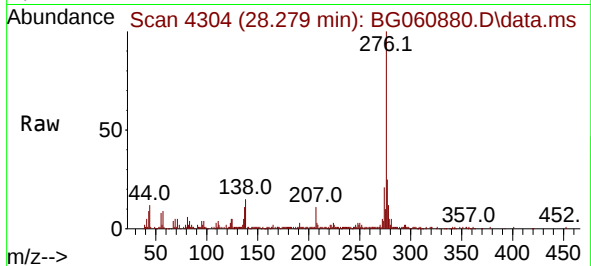
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.646 ng m
RT: 28.279 min Scan# 4311
Delta R.T. -0.041 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

Instrument :

BNA_G

ClientSampleId :

ETGI-346DL

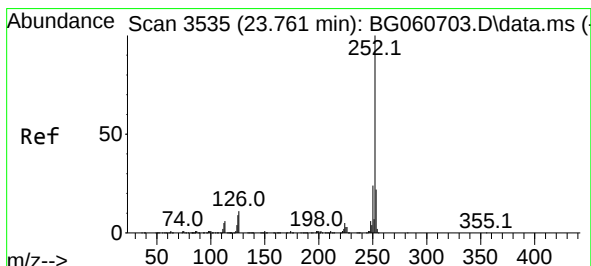
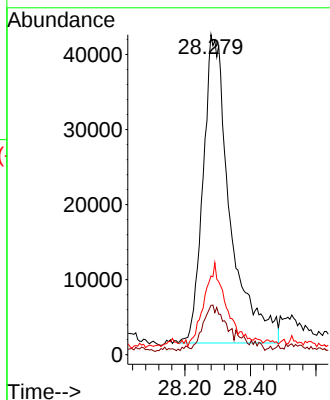
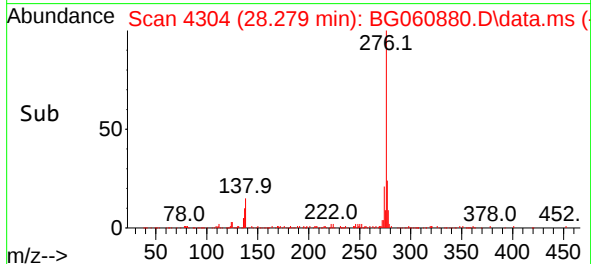


Tgt Ion:276 Resp: 234689
Ion Ratio Lower Upper
276 100
138 11.1 12.4 18.6
277 22.4 20.2 30.2

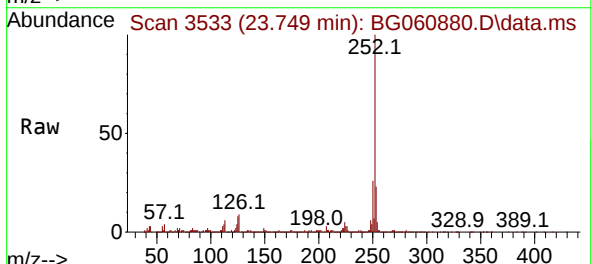
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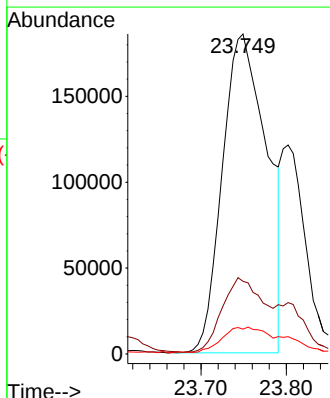
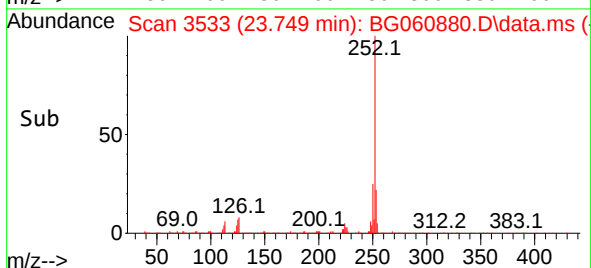
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024

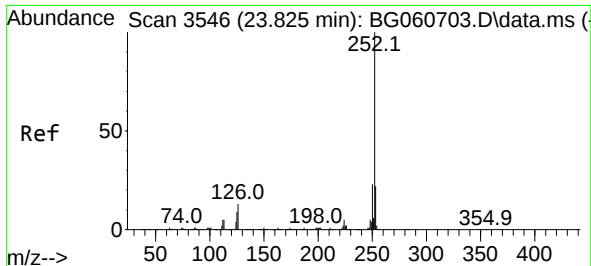


#88
Benzo(b)fluoranthene
Concen: 26.811 ng
RT: 23.749 min Scan# 3533
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04



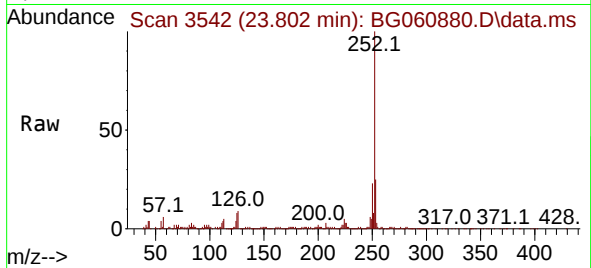
Tgt Ion:252 Resp: 671337
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 7.7 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 9.021 ng m
RT: 23.802 min Scan# 3546
Delta R.T. -0.023 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

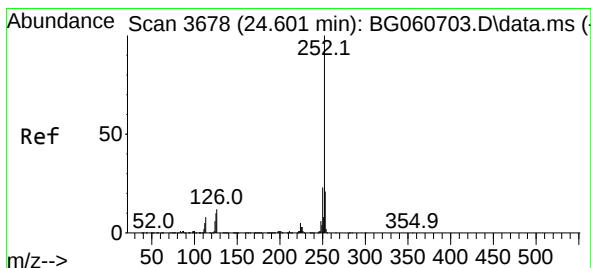
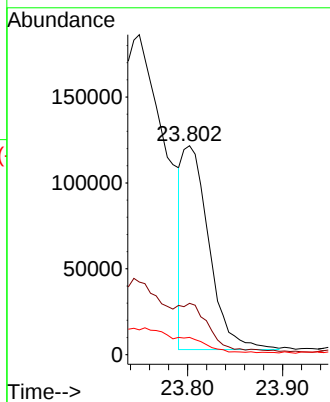
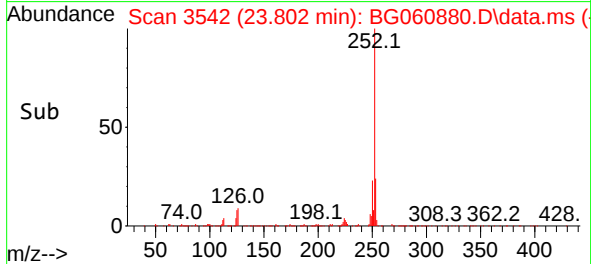
Instrument :
BNA_G
ClientSampleId :
ETGI-346DL



Tgt Ion:252 Resp: 23120
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 8.3 7.5 11.3

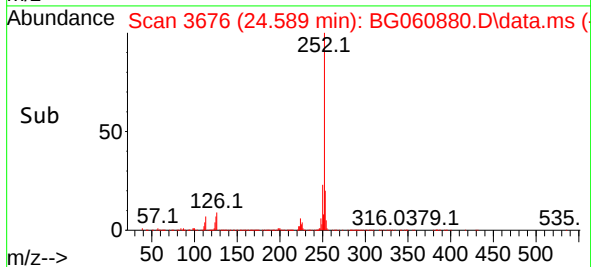
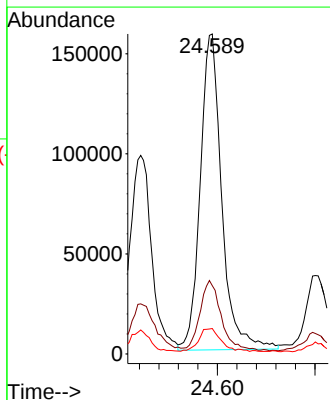
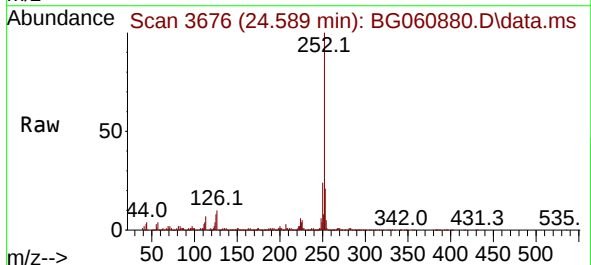
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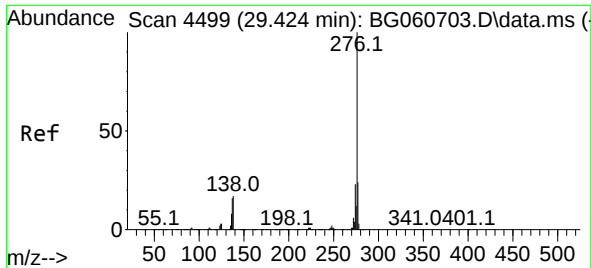
Reviewed By :Yogesh Patel 04/16/2024
Supervised By :mohammad ahmed 04/17/2024



#90
Benzo(a)pyrene
Concen: 19.860 ng
RT: 24.589 min Scan# 3676
Delta R.T. -0.011 min
Lab File: BG060880.D
Acq: 12 Apr 2024 19:04

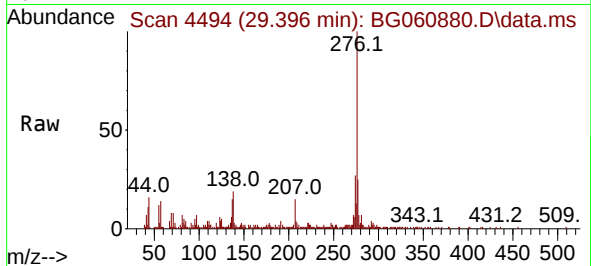
Tgt Ion:252 Resp: 483256
Ion Ratio Lower Upper
252 100
253 21.4 16.8 25.2
125 8.0 7.6 11.4





#92
 Benzo(g,h,i)perylene
 Concen: 8.233 ng m
 RT: 29.396 min Scan# 44
 Delta R.T. -0.029 min
 Lab File: BG060880.D
 Acq: 12 Apr 2024 19:04

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346DL



Tgt Ion: 276 Resp: 20721
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.9 28.3
 138 18.6 14.0 21.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/16/2024
 Supervised By :mohammad ahmed 04/17/2024

