

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
 Data File : BG060864.D
 Acq On : 11 Apr 2024 18:15
 Operator : MA/JU
 Sample : P2067-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346

Manual Integrations
 APPROVED

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

Quant Time: Apr 11 18:49:20 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	7.947	152	62848	20.000	ng	-0.01
21) Naphthalene-d8	10.744	136	249259	20.000	ng	-0.01
39) Acenaphthene-d10	14.575	164	183727	20.000	ng	-0.01
64) Phenanthrene-d10	17.324	188	409433	20.000	ng	-0.01
76) Chrysene-d12	21.590	240	358991	20.000	ng	-0.01
86) Perylene-d12	24.722	264	428574	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	301858	80.012	ng	0.00
7) Phenol-d6	7.113	99	430518	76.878	ng	0.00
23) Nitrobenzene-d5	9.099	82	286608	65.612	ng	-0.01
42) 2,4,6-Tribromophenol	16.061	330	231441	110.971	ng	-0.01
45) 2-Fluorobiphenyl	13.200	172	693619	55.407	ng	-0.02
79) Terphenyl-d14	19.951	244	1172412	57.506	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	14.299	152	106645	6.437	ng	97
52) Acenaphthene	14.639	154	24983	2.402	ng	96
55) Dibenzofuran	14.974	168	52380	3.193	ng	# 97
58) Fluorene	15.626	166	101954	7.743	ng	98
71) Phenanthrene	17.366	178	1269289	59.609	ng	100
72) Anthracene	17.460	178	228821	10.581	ng	99
73) Carbazole	17.724	167	75829	3.977	ng	98
75) Fluoranthene	19.387	202	2167711	83.893	ng	96
78) Pyrene	19.745	202	1884512	75.059	ng	98
81) Benzo(a)anthracene	21.572	228	1125410	44.474	ng	96
83) Chrysene	21.637	228	1050887	43.086	ng	98
87) Indeno(1,2,3-cd)pyrene	28.288	276	633057	20.976	ng	100
88) Benzo(b)fluoranthene	23.746	252	1314635	53.394	ng	99
89) Benzo(k)fluoranthene	23.799	252	502717m	19.948	ng	
90) Benzo(a)pyrene	24.581	252	966340	40.387	ng	96
91) Dibenzo(a,h)anthracene	28.341	278	175201m	6.886	ng	
92) Benzo(g,h,i)perylene	29.387	276	588464	23.778	ng	96

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

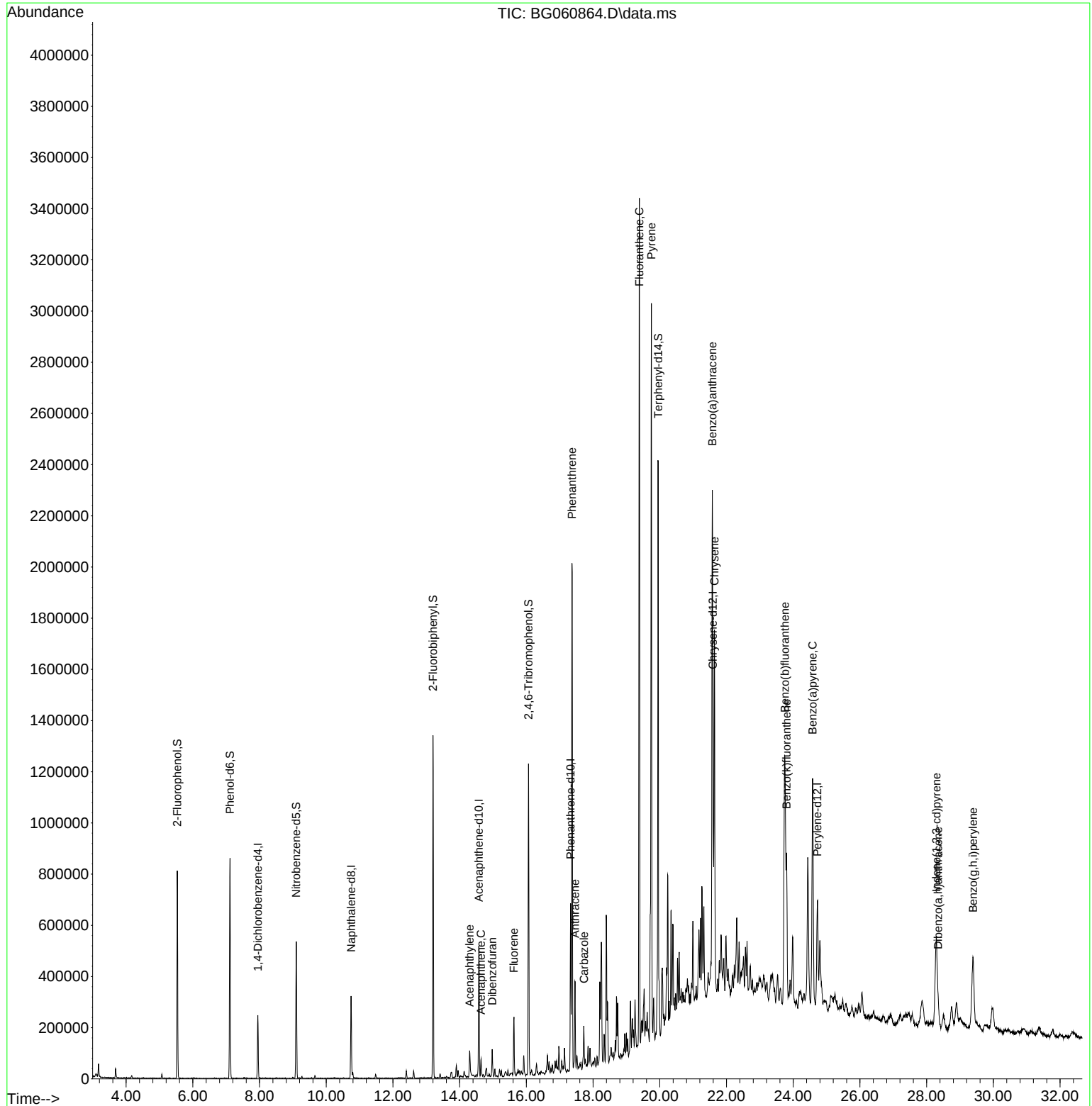
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060864.D
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ALS Vial : 9 Sample Multiplier: 1

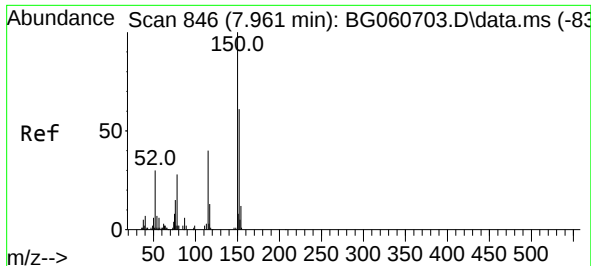
Instrument :
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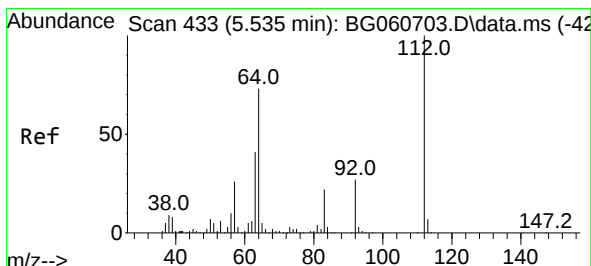
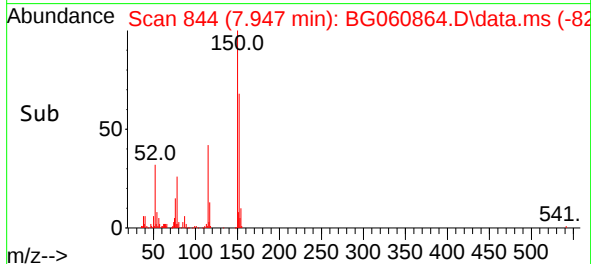
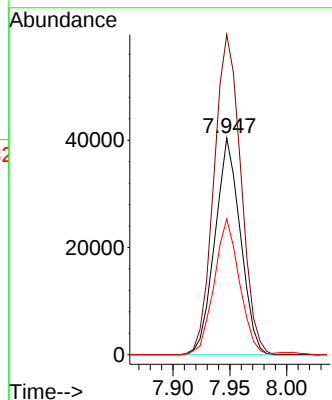
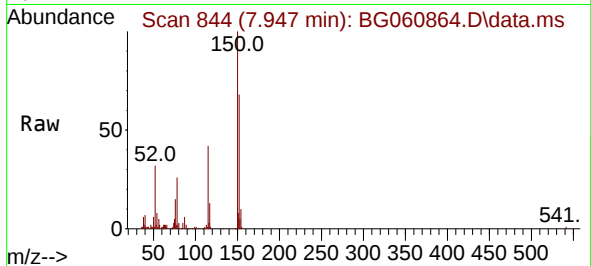
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 846
Delta R.T. -0.014 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

Instrument :
BNA_G
ClientSampleId :
ETGI-346

Tgt Ion:152 Resp: 62848
Ion Ratio Lower Upper
152 100
150 147.7 130.2 195.4
115 62.6 51.6 77.4

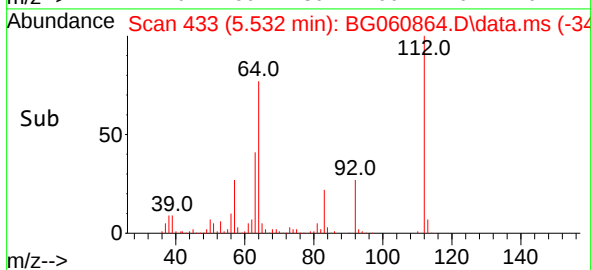
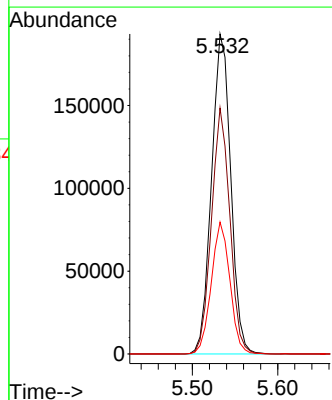
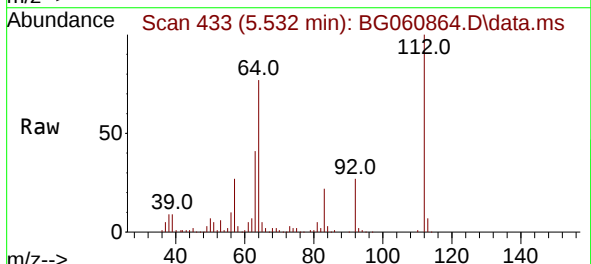
Manual Integrations
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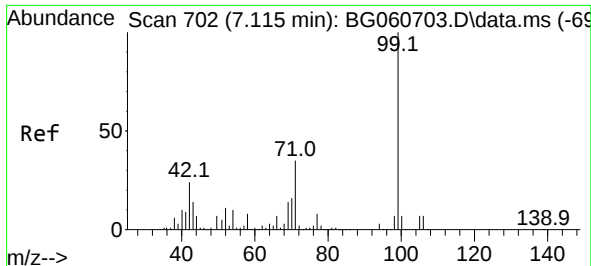
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#5
2-Fluorophenol
Concen: 80.012 ng
RT: 5.532 min Scan# 433
Delta R.T. -0.002 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

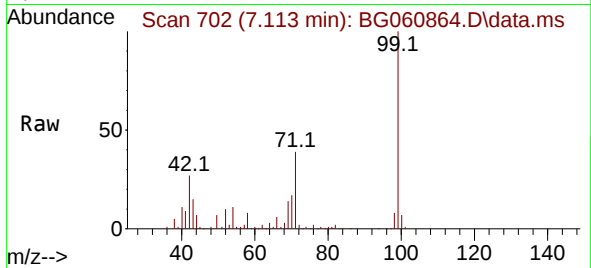
Tgt Ion:112 Resp: 301858
Ion Ratio Lower Upper
112 100
64 76.8 58.4 87.6
63 41.2 32.7 49.1





#7
Phenol-d6
Concen: 76.878 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

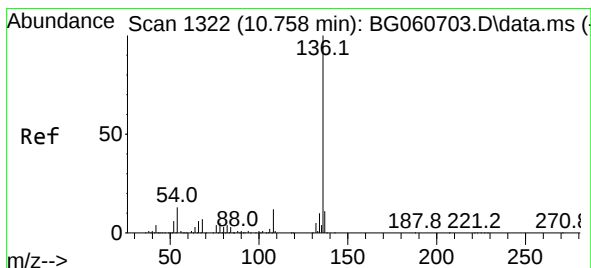
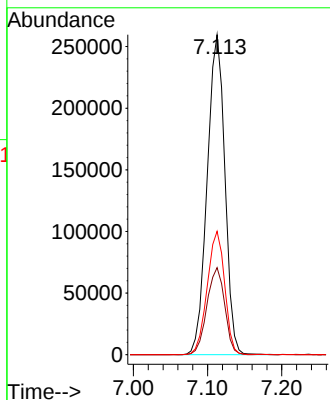
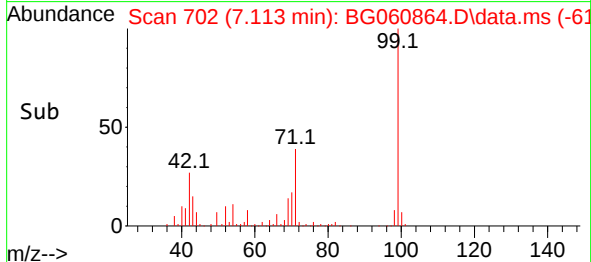
Instrument :
BNA_G
ClientSampleId :
ETGI-346



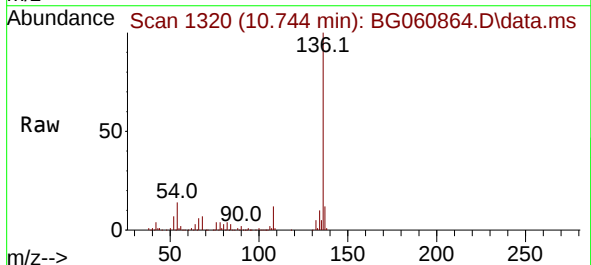
Tgt Ion: 99 Resp: 430518
Ion Ratio Lower Upper
99 100
42 27.2 19.4 29.2
71 38.5 28.2 42.2

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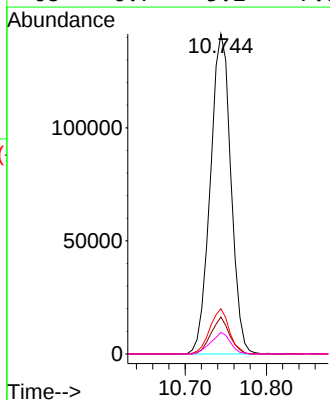
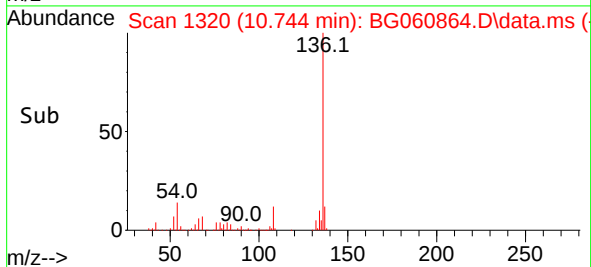
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.744 min Scan# 1320
Delta R.T. -0.014 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15



Tgt Ion:136 Resp: 249259
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 14.2 10.2 15.2
68 6.7 5.2 7.8





#23

Nitrobenzene-d5

Concen: 65.612 ng

RT: 9.099 min Scan# 1040

Delta R.T. -0.014 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

Instrument :

BNA_G

ClientSampleId :

ETGI-346

Tgt Ion: 82 Resp: 286608

Ion Ratio Lower Upper

82 100

128 37.4 31.2 46.8

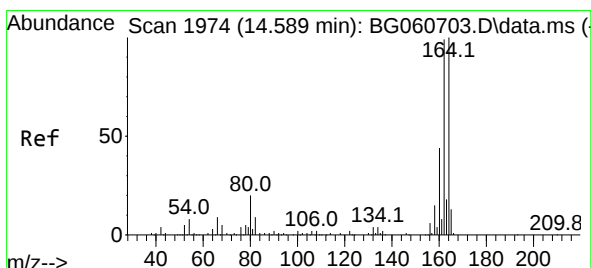
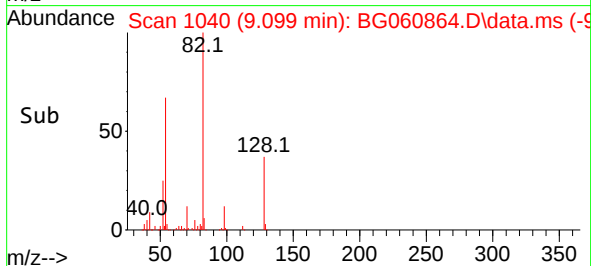
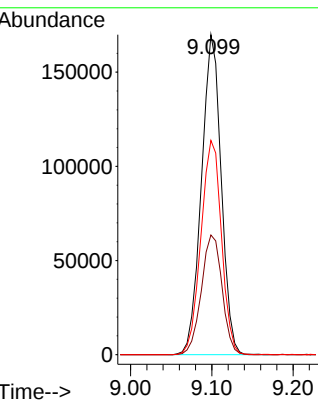
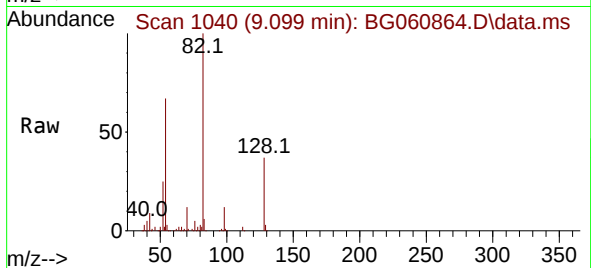
54 66.9 53.2 79.8

Manual Integrations

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Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.575 min Scan# 1972

Delta R.T. -0.014 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

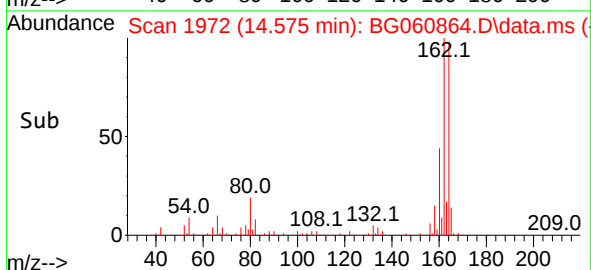
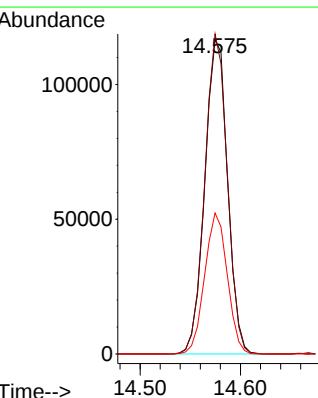
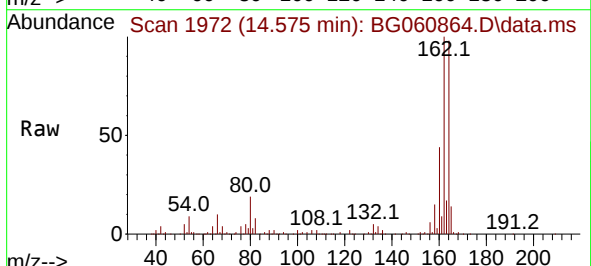
Tgt Ion:164 Resp: 183727

Ion Ratio Lower Upper

164 100

162 101.7 79.5 119.3

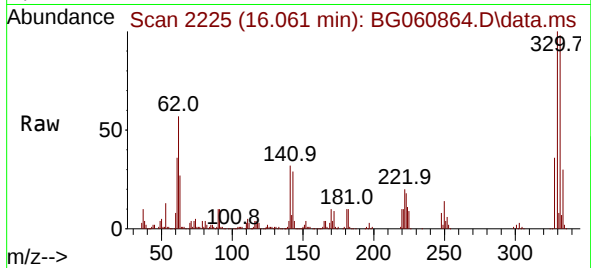
160 44.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 110.971 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

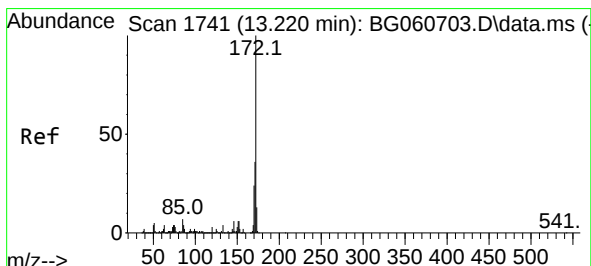
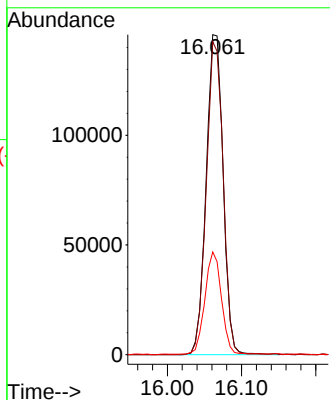
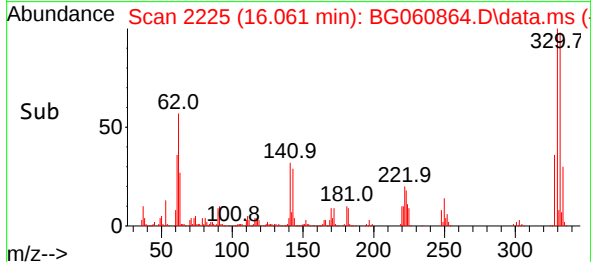
Instrument :
BNA_G
ClientSampleId :
ETGI-346



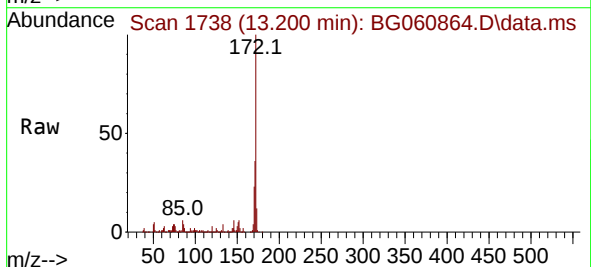
Tgt Ion:330 Resp: 23144
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.4
141 31.1 27.0 40.6

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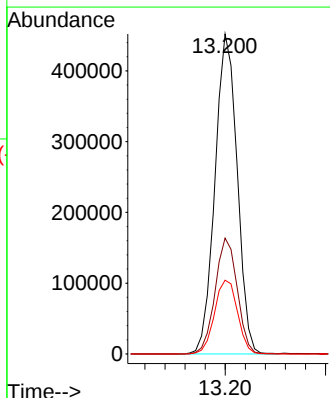
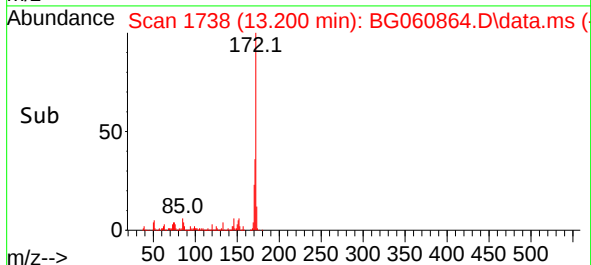
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024

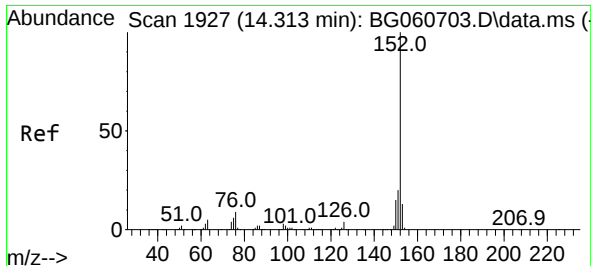


#45
2-Fluorobiphenyl
Concen: 55.407 ng
RT: 13.200 min Scan# 1738
Delta R.T. -0.020 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15



Tgt Ion:172 Resp: 693619
Ion Ratio Lower Upper
172 100
171 36.2 28.7 43.1
170 23.1 19.4 29.0





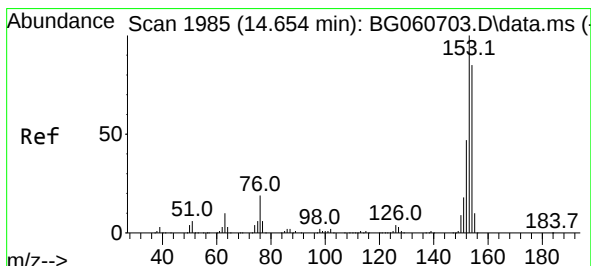
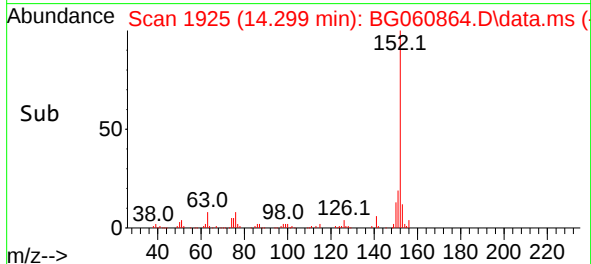
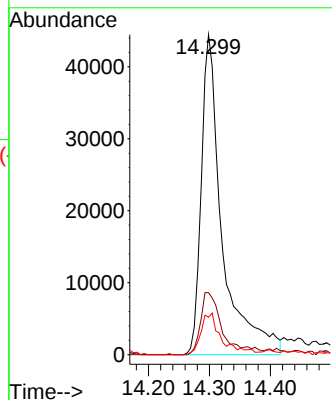
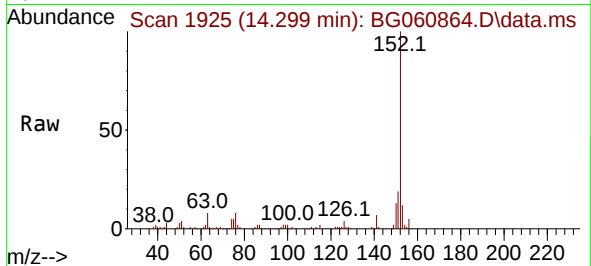
#49
Acenaphthylene
Concen: 6.437 ng
RT: 14.299 min Scan# 1925
Delta R.T. -0.014 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

Instrument :
BNA_G
ClientSampleId :
ETGI-346

Tgt Ion:152 Resp: 10664
Ion Ratio Lower Upper
152 100
151 19.4 16.4 24.6
153 11.7 10.5 15.7

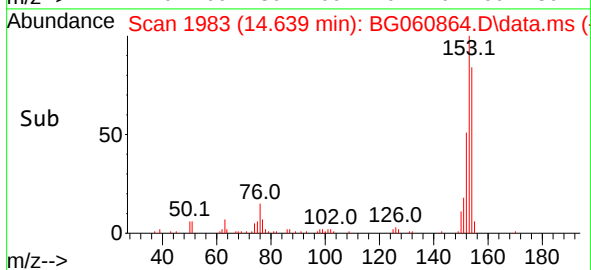
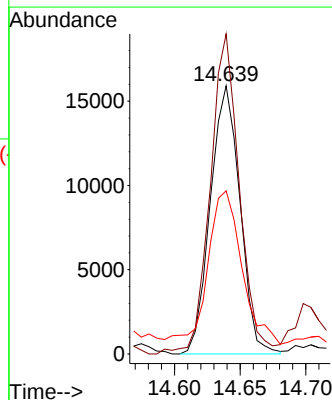
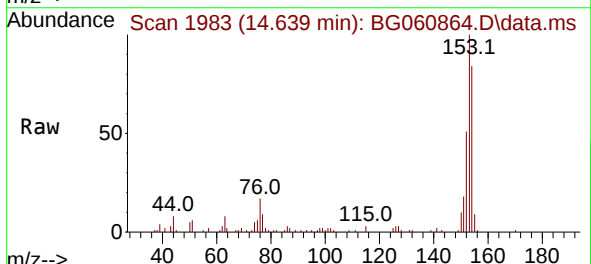
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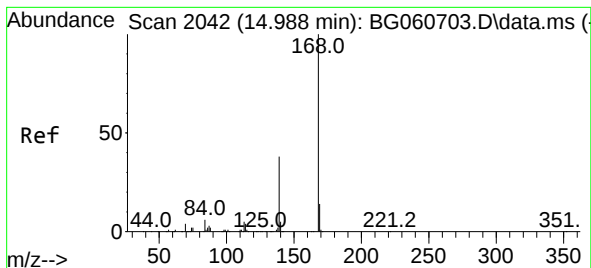
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#52
Acenaphthene
Concen: 2.402 ng
RT: 14.639 min Scan# 1983
Delta R.T. -0.015 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

Tgt Ion:154 Resp: 24983
Ion Ratio Lower Upper
154 100
153 119.3 93.9 140.9
152 60.9 44.1 66.1





#55

Dibenzenofuran

Concen: 3.193 ng

RT: 14.974 min Scan# 2040

Delta R.T. -0.014 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

Instrument :

BNA_G

ClientSampleId :

ETGI-346

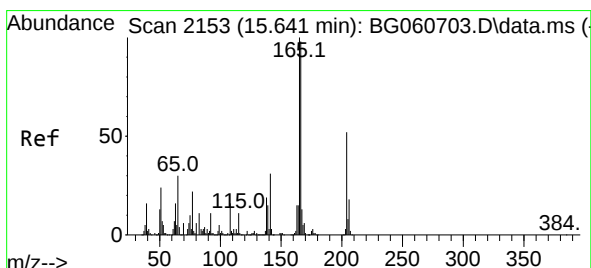
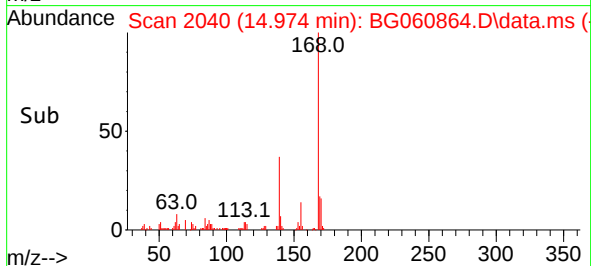
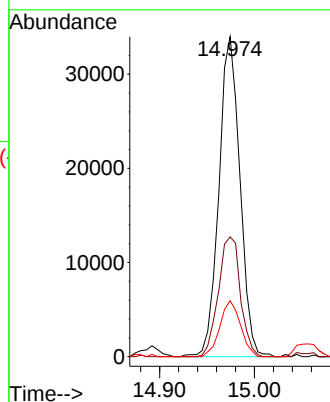
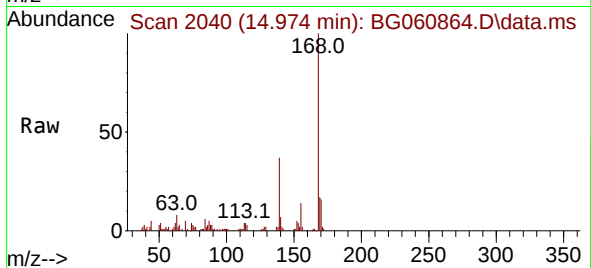
Tgt Ion:168 Resp: 52380
 Ion Ratio Lower Upper
 168 100
 139 37.5 30.1 45.1
 169 17.5 11.0 16.4

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#58

Fluorene

Concen: 7.743 ng

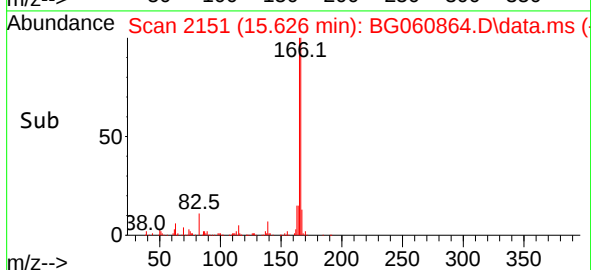
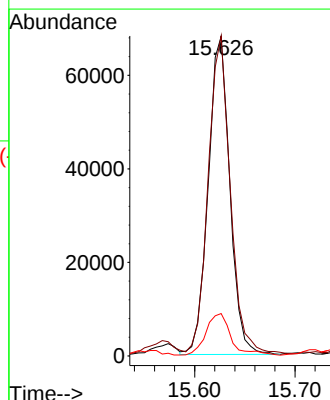
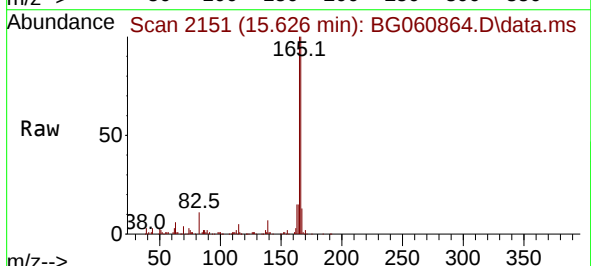
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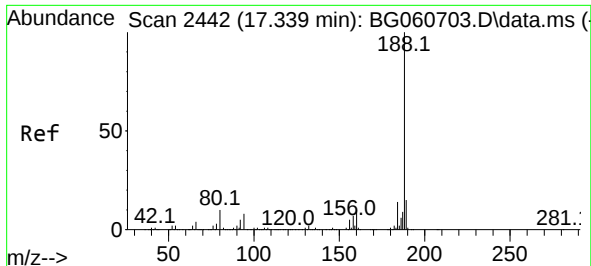
Delta R.T. -0.014 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

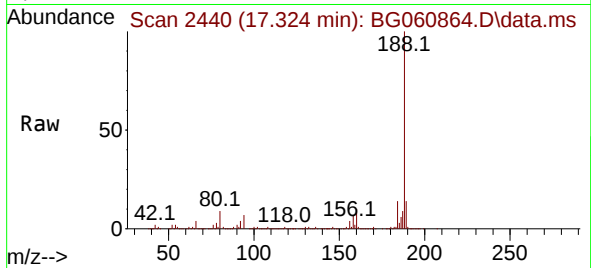
Tgt Ion:166 Resp: 101954
 Ion Ratio Lower Upper
 166 100
 165 100.1 81.8 122.8
 167 13.3 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2442
Delta R.T. -0.014 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

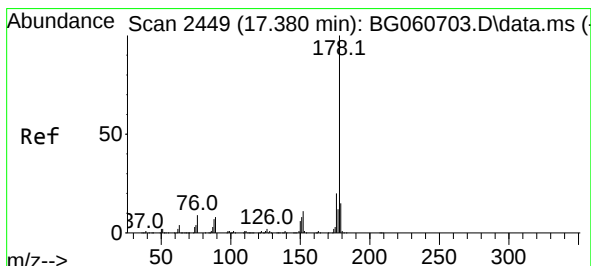
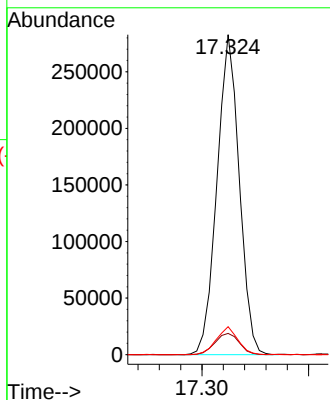
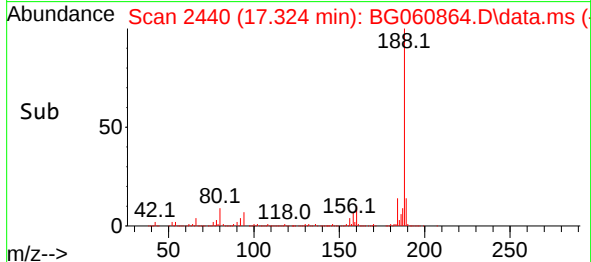
Instrument :
BNA_G
ClientSampleId :
ETGI-346



Tgt Ion:188 Resp: 40943
Ion Ratio Lower Upper
188 100
94 6.6 6.6 9.8
80 8.8 7.6 11.4

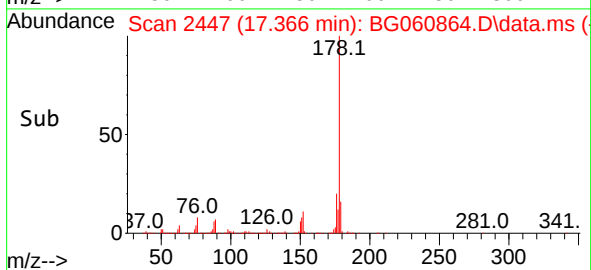
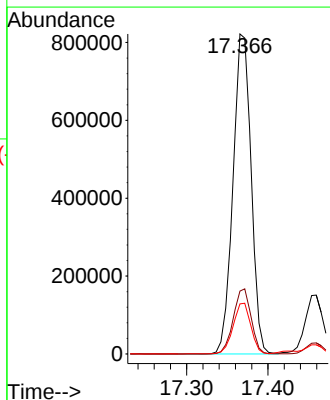
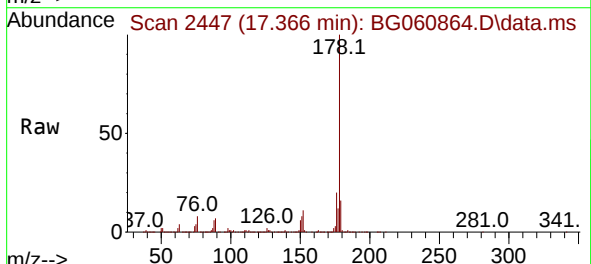
Manual Integrations
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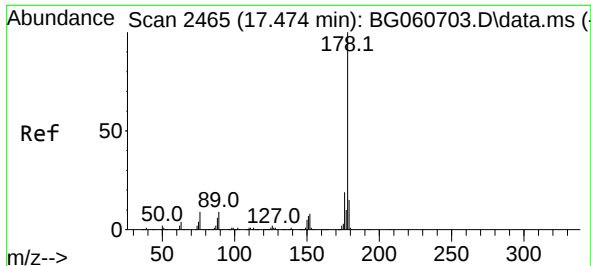
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#71
Phenanthrene
Concen: 59.609 ng
RT: 17.366 min Scan# 2447
Delta R.T. -0.014 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

Tgt Ion:178 Resp: 1269289
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.6 12.2 18.4





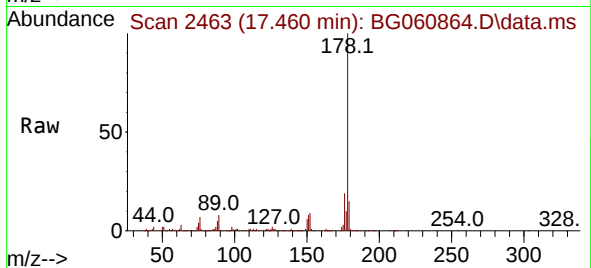
#72
 Anthracene
 Concen: 10.581 ng
 RT: 17.460 min Scan# 2465
 Delta R.T. -0.014 min
 Lab File: BG060864.D
 Acq: 11 Apr 2024 18:15

Instrument :

BNA_G

ClientSampleId :

ETGI-346



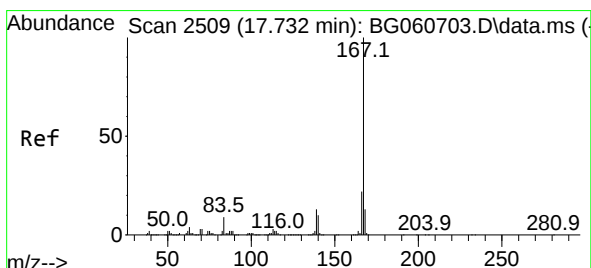
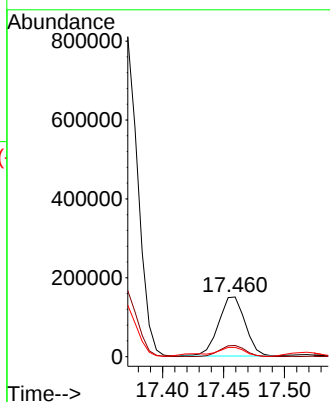
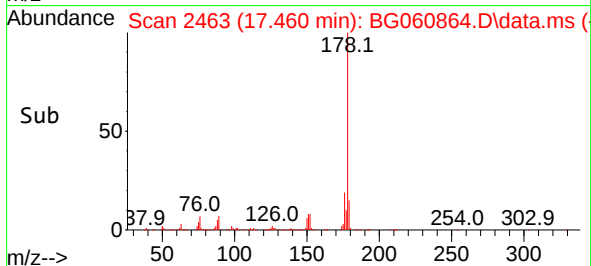
Tgt Ion:178 Resp: 22882
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.5 23.3
 179 15.5 12.2 18.2

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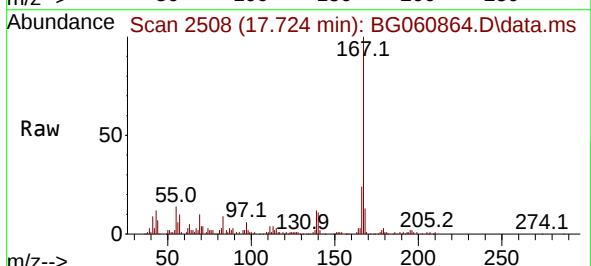
APPROVED

Reviewed By :Yogesh Patel 04/12/2024

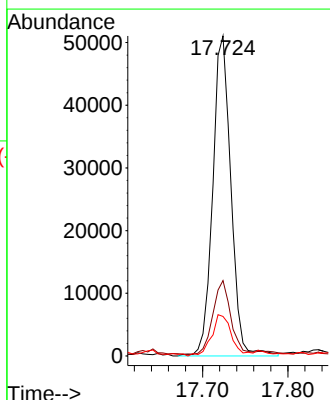
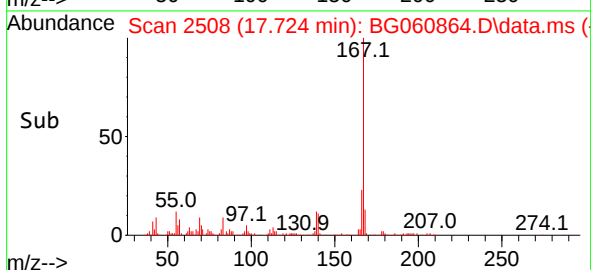
Supervised By :mohammad ahmed 04/17/2024

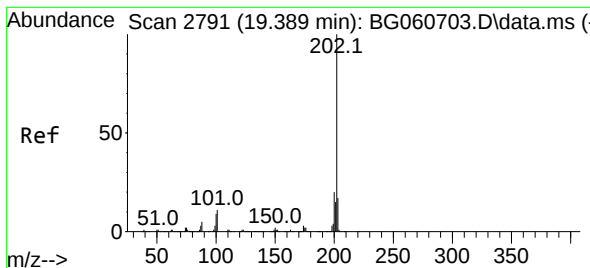


#73
 Carbazole
 Concen: 3.977 ng
 RT: 17.724 min Scan# 2508
 Delta R.T. -0.008 min
 Lab File: BG060864.D
 Acq: 11 Apr 2024 18:15



Tgt Ion:167 Resp: 75829
 Ion Ratio Lower Upper
 167 100
 166 23.6 18.0 27.0
 139 12.3 10.5 15.7





#75

Fluoranthene

Concen: 83.893 ng

RT: 19.387 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

Instrument :

BNA_G

ClientSampleId :

ETGI-346

Tgt Ion:202 Resp: 216771

Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.8

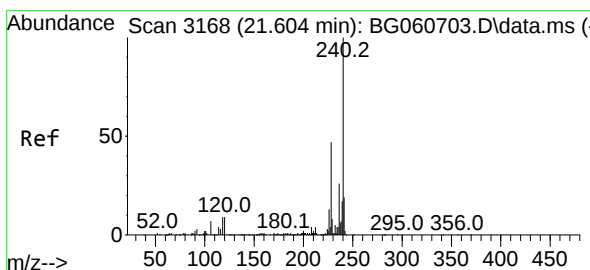
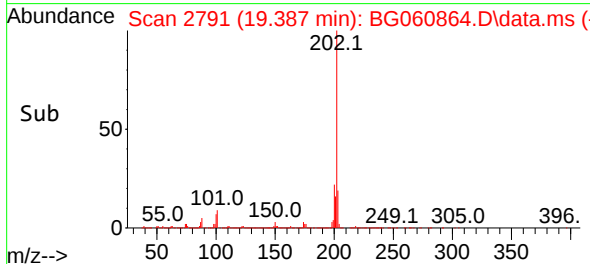
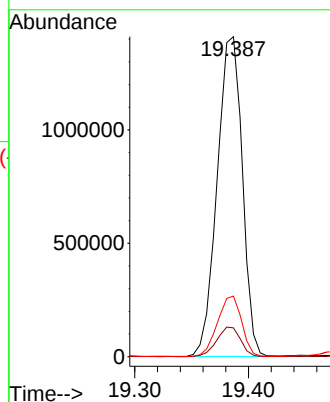
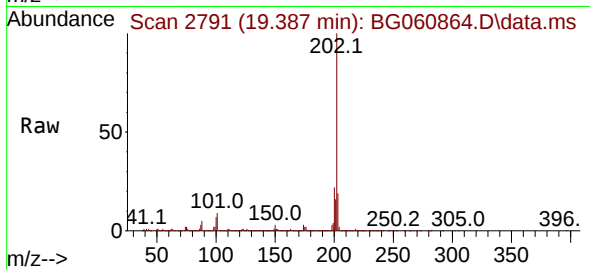
203 19.0 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.590 min Scan# 3166

Delta R.T. -0.014 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

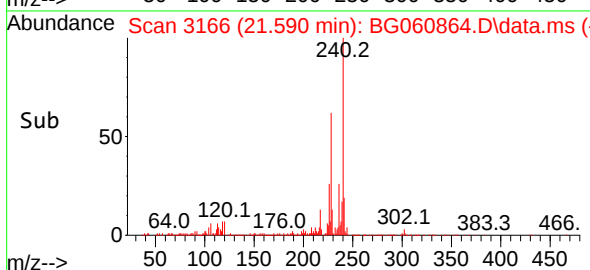
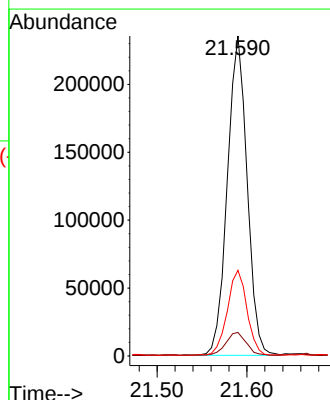
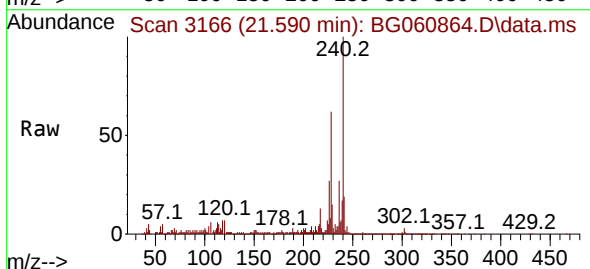
Tgt Ion:240 Resp: 358991

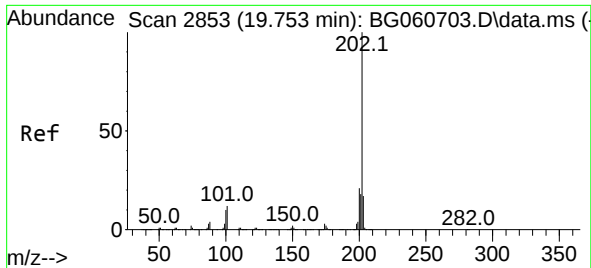
Ion Ratio Lower Upper

240 100

120 7.4 7.1 10.7

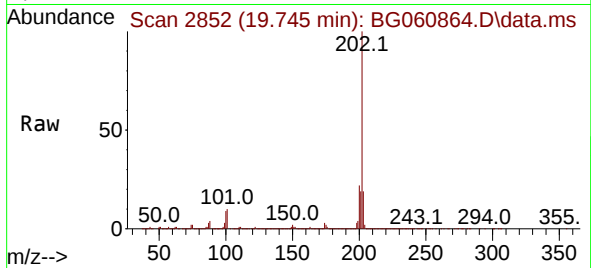
236 26.8 20.7 31.1





#78
Pyrene
Concen: 75.059 ng
RT: 19.745 min Scan# 2852
Delta R.T. -0.008 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

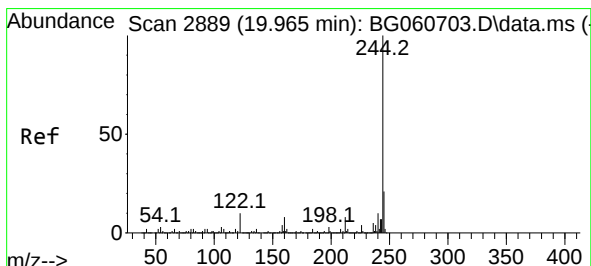
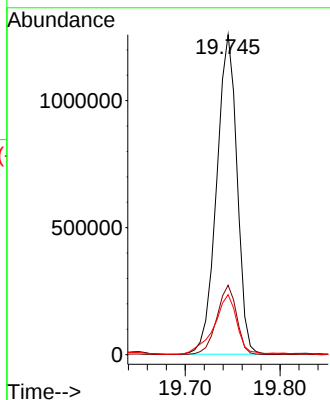
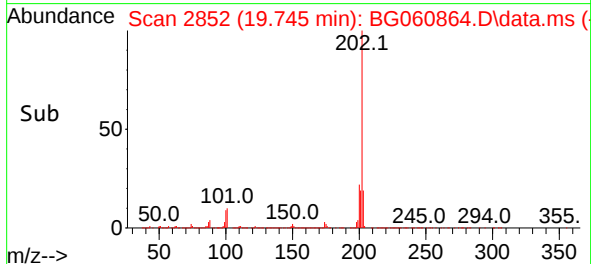
Instrument :
BNA_G
ClientSampleId :
ETGI-346



Tgt Ion:202 Resp: 1884512
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.4
203 18.7 14.0 21.0

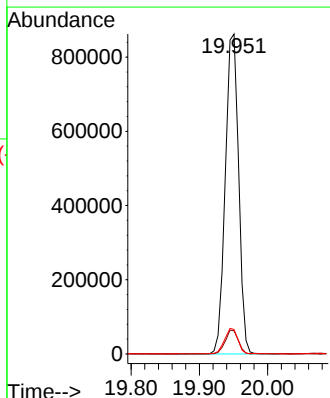
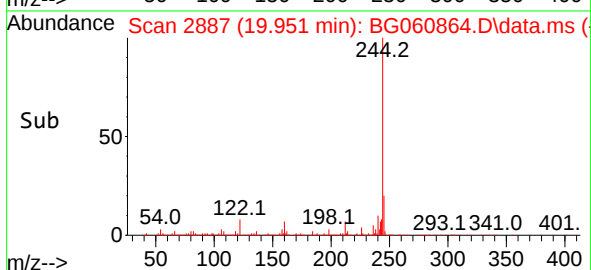
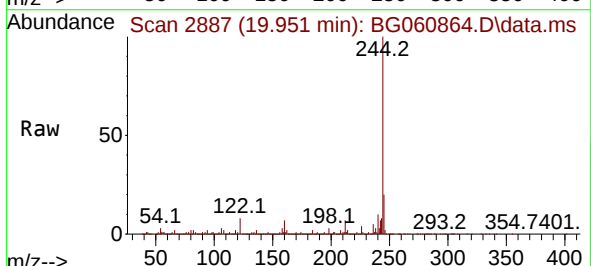
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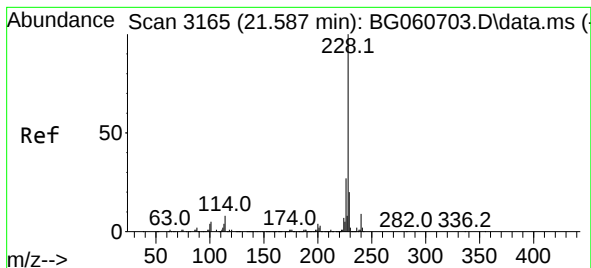
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#79
Terphenyl-d14
Concen: 57.506 ng
RT: 19.951 min Scan# 2887
Delta R.T. -0.014 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

Tgt Ion:244 Resp: 1172412
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.2
122 7.6 7.8 11.8#





#81

Benzo(a)anthracene

Concen: 44.474 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.014 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

Instrument :

BNA_G

ClientSampleId :

ETGI-346

Tgt Ion:228 Resp: 1125410

Ion Ratio Lower Upper

228 100

226 29.9 21.7 32.5

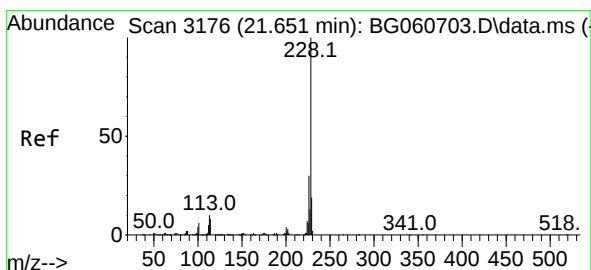
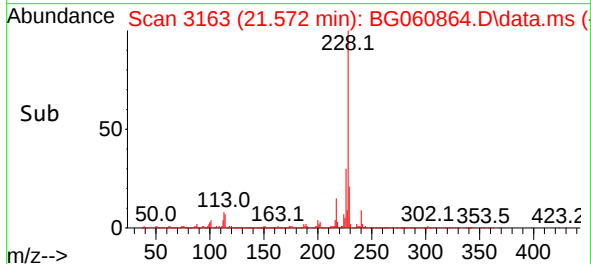
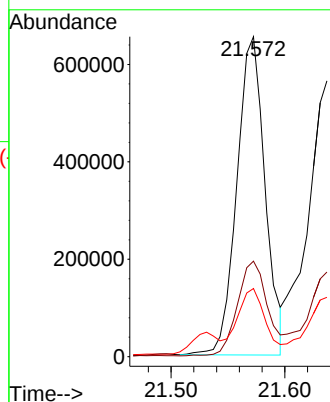
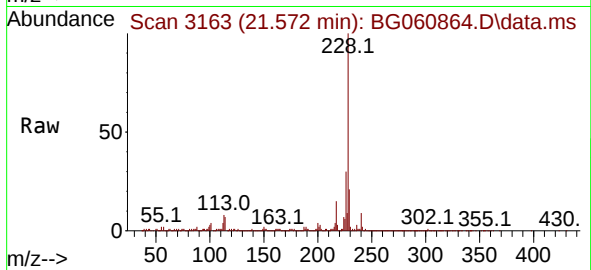
229 21.3 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 04/12/2024

Supervised By :mohammad ahmed 04/17/2024



#83

Chrysene

Concen: 43.086 ng

RT: 21.637 min Scan# 3174

Delta R.T. -0.014 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

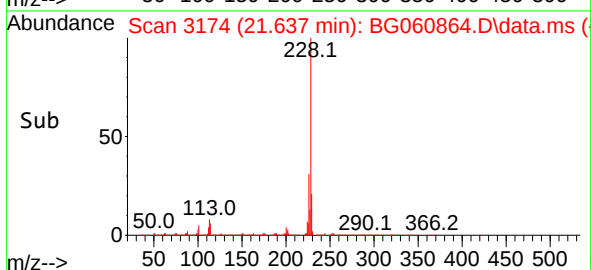
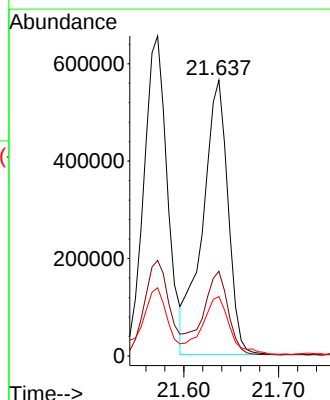
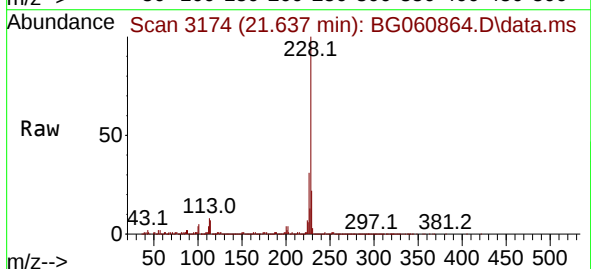
Tgt Ion:228 Resp: 1050887

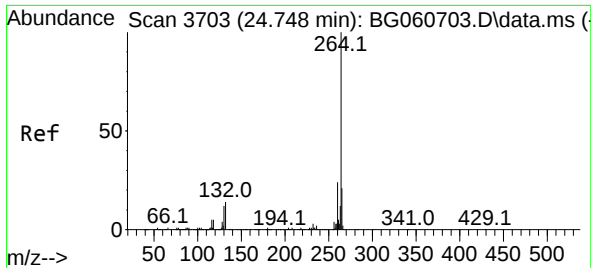
Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.4

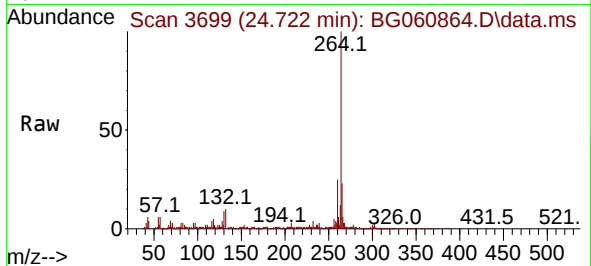
229 21.5 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.722 min Scan# 30
Delta R.T. -0.026 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

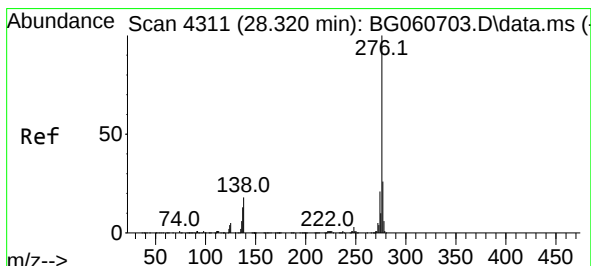
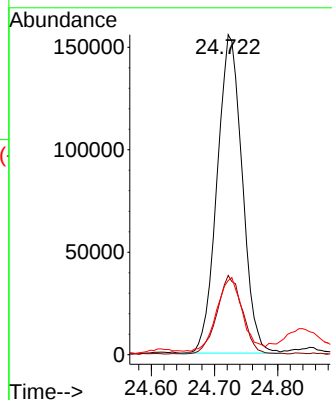
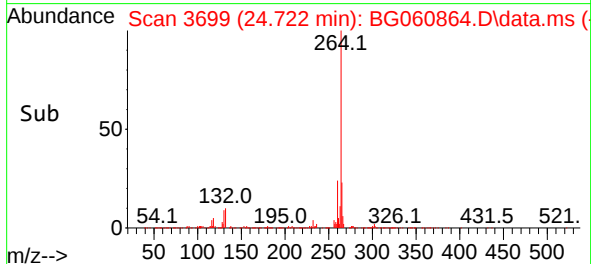
Instrument :
BNA_G
ClientSampleId :
ETGI-346



Tgt Ion:264 Resp: 428574
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 23.2 16.9 25.3

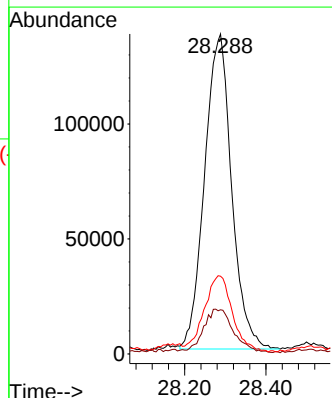
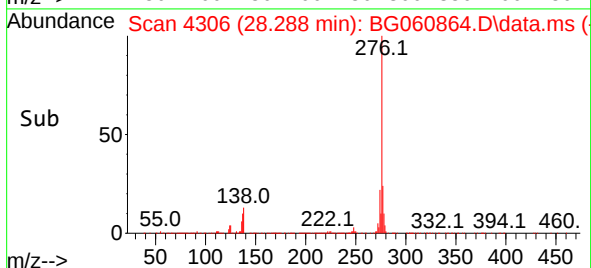
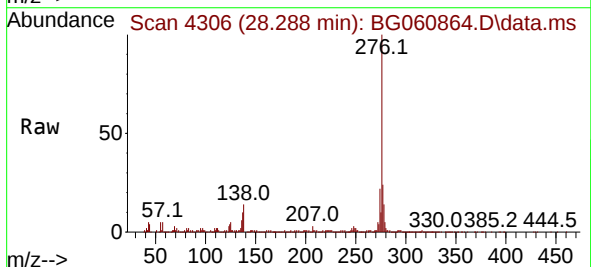
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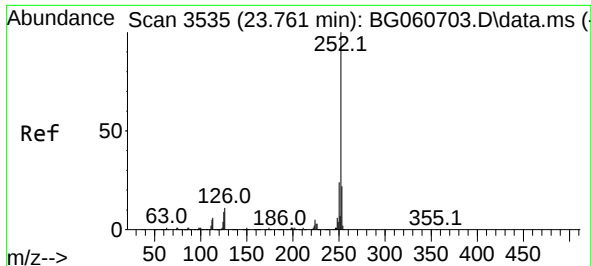
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 20.976 ng
RT: 28.288 min Scan# 4306
Delta R.T. -0.032 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

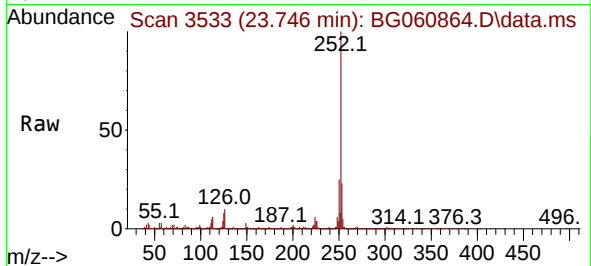
Tgt Ion:276 Resp: 633057
Ion Ratio Lower Upper
276 100
138 15.3 12.4 18.6
277 25.3 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 53.394 ng
RT: 23.746 min Scan# 3533
Delta R.T. -0.014 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

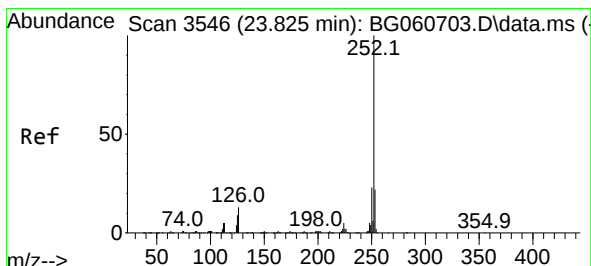
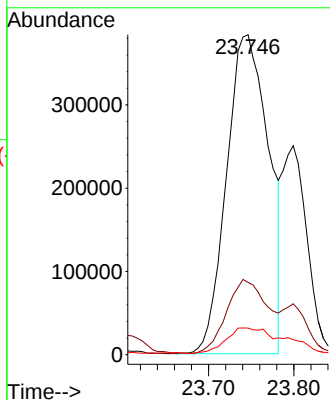
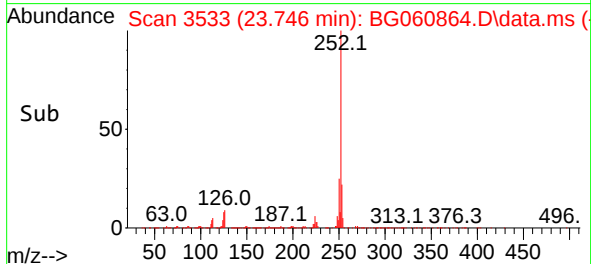
Instrument :
BNA_G
ClientSampleId :
ETGI-346



Tgt Ion:252 Resp: 131463
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 8.3 7.1 10.7

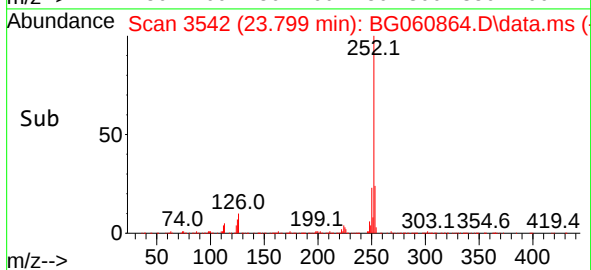
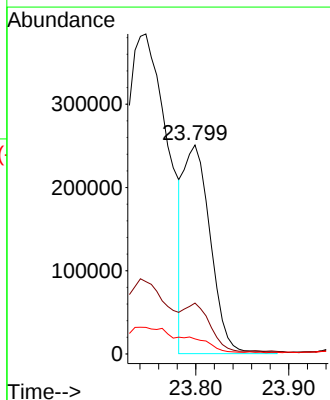
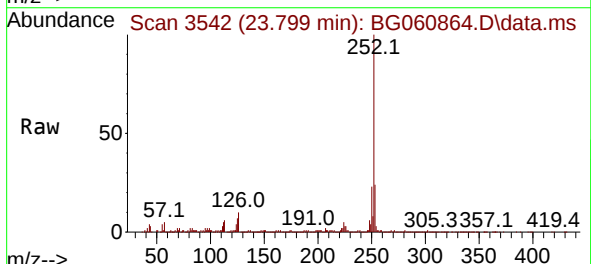
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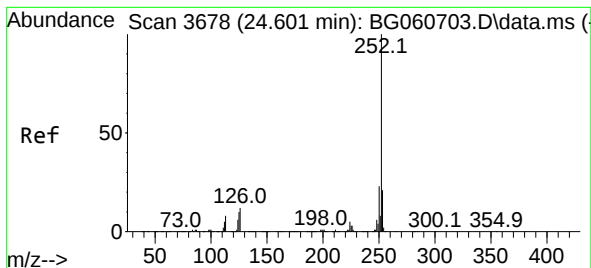
Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/17/2024



#89
Benzo(k)fluoranthene
Concen: 19.948 ng m
RT: 23.799 min Scan# 3542
Delta R.T. -0.026 min
Lab File: BG060864.D
Acq: 11 Apr 2024 18:15

Tgt Ion:252 Resp: 502717
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 7.2 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 40.387 ng

RT: 24.581 min Scan# 30

Delta R.T. -0.020 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

Instrument :

BNA_G

ClientSampleId :

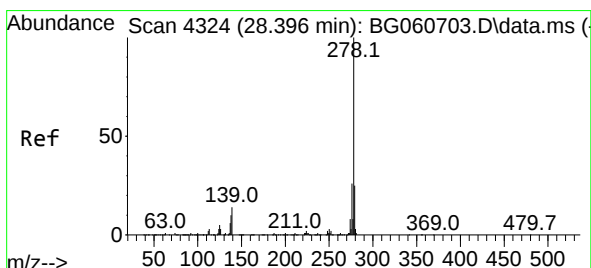
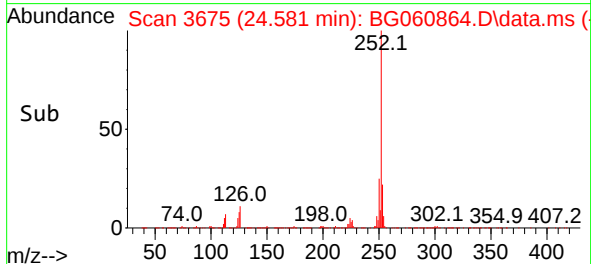
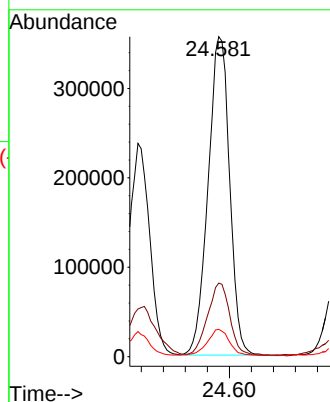
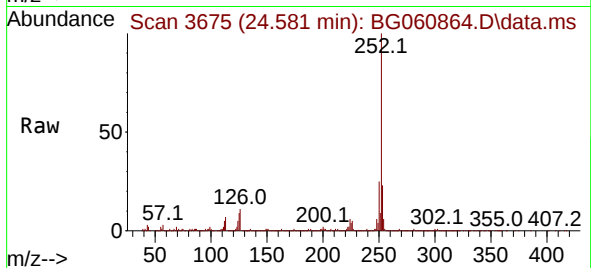
ETGI-346

Tgt Ion:252 Resp: 966340
 Ion Ratio Lower Upper
 252 100
 253 23.0 16.8 25.2
 125 8.5 7.6 11.4

Manual Integrations

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



#91

Dibenzo(a,h)anthracene

Concen: 6.886 ng m

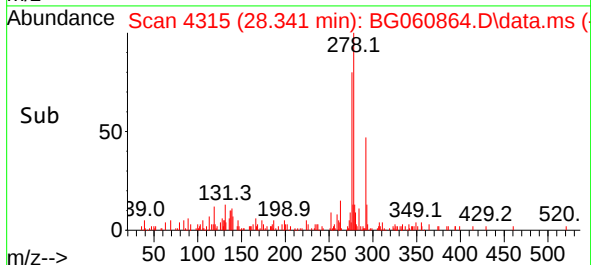
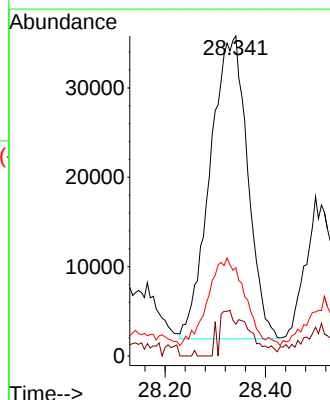
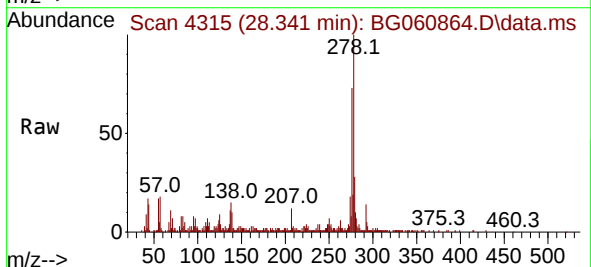
RT: 28.341 min Scan# 4315

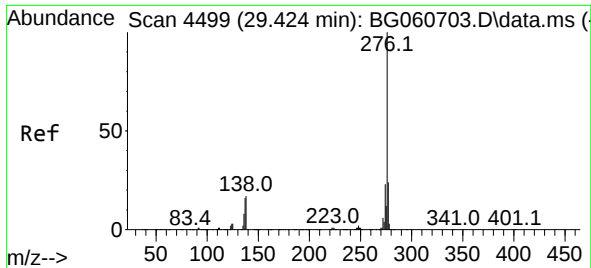
Delta R.T. -0.055 min

Lab File: BG060864.D

Acq: 11 Apr 2024 18:15

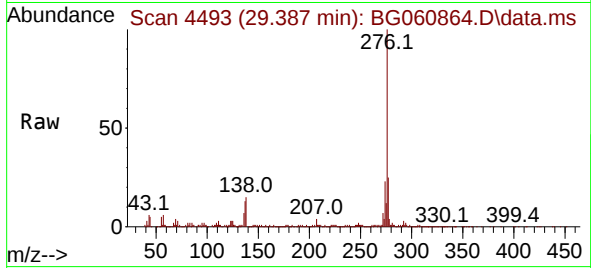
Tgt Ion:278 Resp: 175201
 Ion Ratio Lower Upper
 278 100
 139 10.0 11.1 16.7#
 279 27.6 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 23.778 ng
 RT: 29.387 min Scan# 4493
 Delta R.T. -0.038 min
 Lab File: BG060864.D
 Acq: 11 Apr 2024 18:15

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346



Tgt Ion:276 Resp: 588464
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.9 28.3
 138 14.7 14.0 21.0

Manual Integrations
 APPROVED

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

