

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
 Data File : BG056598.D
 Acq On : 9 Feb 2023 15:28
 Operator : CG/JU
 Sample : 01507-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-330

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/10/2023
 Supervised By : Jagrut Upadhyay 02/10/2023

Quant Time: Feb 10 00:22:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.261	152	30350	20.000	ng	0.00
21) Naphthalene-d8	11.093	136	121891	20.000	ng	# 0.00
39) Acenaphthene-d10	14.882	164	105165	20.000	ng	0.00
64) Phenanthrene-d10	17.620	188	256676	20.000	ng	0.00
76) Chrysene-d12	21.909	240	234812	20.000	ng	-0.01
86) Perylene-d12	25.335	264	255510	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.787	112	137991	83.639	ng	0.00
7) Phenol-d6	7.414	99	196263	80.287	ng	0.00
23) Nitrobenzene-d5	9.441	82	105276	49.045	ng	0.00
42) 2,4,6-Tribromophenol	16.369	330	98869	70.716	ng	0.00
45) 2-Fluorobiphenyl	13.507	172	388251	51.184	ng	0.00
79) Terphenyl-d14	20.199	244	702672	52.559	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.947	154	16224	2.820	ng	96
55) Dibenzofuran	15.282	168	21495	2.084	ng	98
58) Fluorene	15.922	166	23195	2.826	ng	98
71) Phenanthrene	17.667	178	166354	12.383	ng	97
72) Anthracene	17.755	178	32405	2.350	ng	97
75) Fluoranthene	19.659	202	267606	15.783	ng	100
78) Pyrene	20.023	202	216387	12.957	ng	99
81) Benzo(a)anthracene	21.892	228	99697	6.073	ng	97
83) Chrysene	21.962	228	93611	6.070	ng	98
87) Indeno(1,2,3-cd)pyrene	29.265	276	56604	3.026	ng	# 77
88) Benzo(b)fluoranthene	24.236	252	120258	7.583	ng	98
89) Benzo(k)fluoranthene	24.295	252	42199m	2.635	ng	
90) Benzo(a)pyrene	25.170	252	78984	5.056	ng	98
92) Benzo(g,h,i)perylene	30.487	276	52524	3.467	ng	97

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

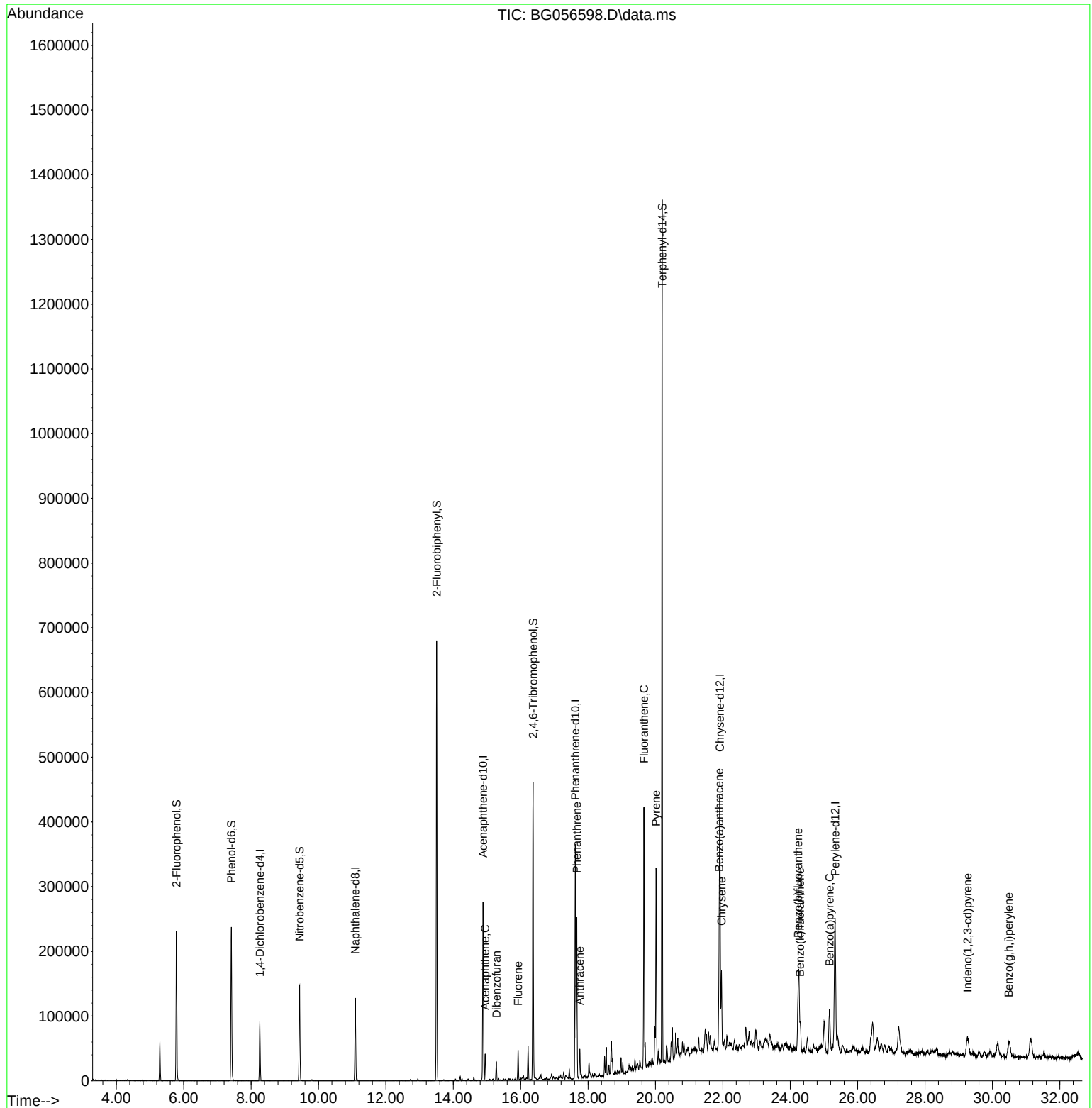
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020923\
Data File : BG056598.D
Acq On : 9 Feb 2023 15:28
Operator : CG/JU
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ALS Vial : 6 Sample Multiplier: 1

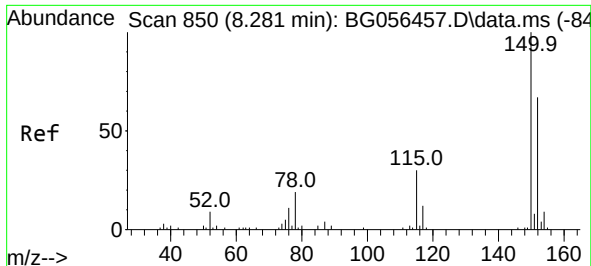
Instrument :
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Quant Time: Feb 10 00:22:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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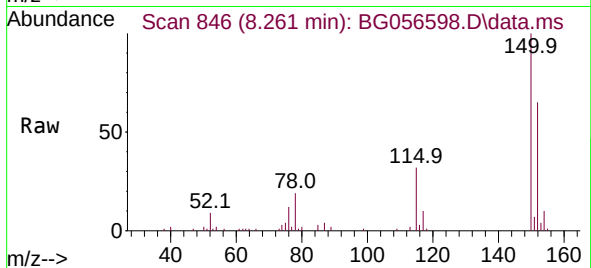
Reviewed By : Christian Giraldo 02/10/2023
Supervised By : Jagrut Upadhyay 02/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.261 min Scan# 84
Delta R.T. -0.008 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

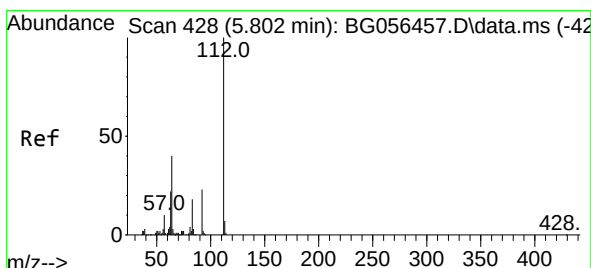
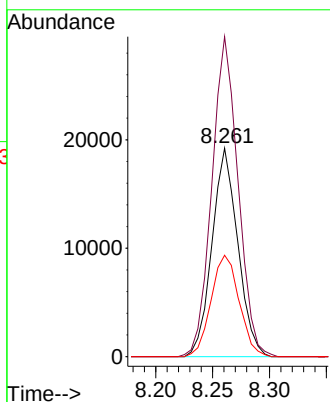
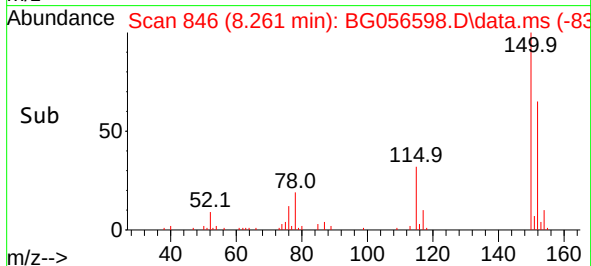
Instrument :
BNA_G
ClientSampleId :
ETGI-330



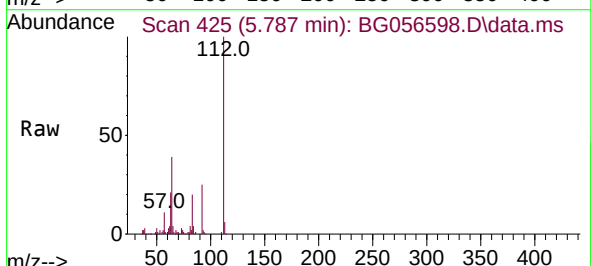
Tgt Ion:152 Resp: 30350
Ion Ratio Lower Upper
152 100
150 153.6 120.2 180.4
115 48.6 36.3 54.5

Manual Integrations
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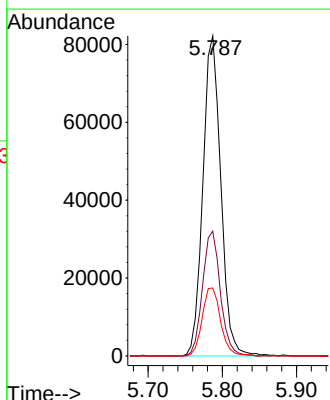
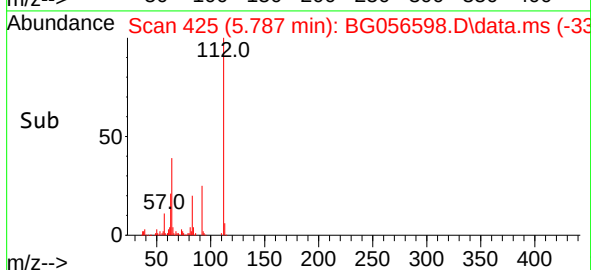
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

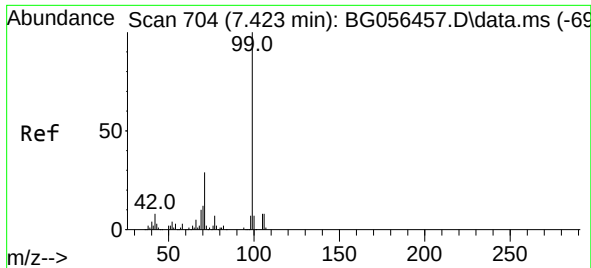


#5
2-Fluorophenol
Concen: 83.639 ng
RT: 5.787 min Scan# 425
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28



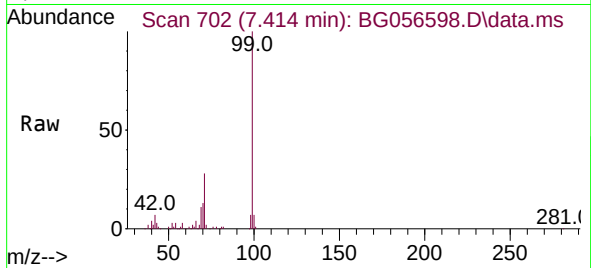
Tgt Ion:112 Resp: 137991
Ion Ratio Lower Upper
112 100
64 39.0 31.9 47.9
63 21.2 17.4 26.0





#7
Phenol-d6
Concen: 80.287 ng
RT: 7.414 min Scan# 704
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

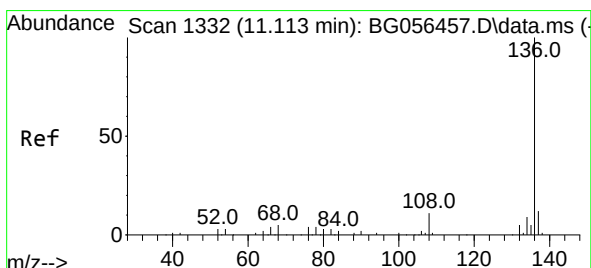
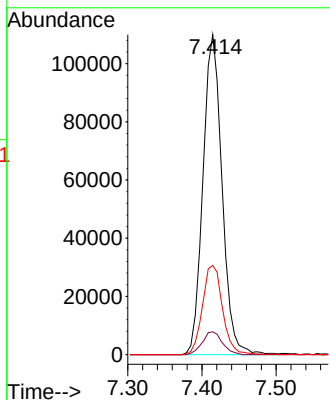
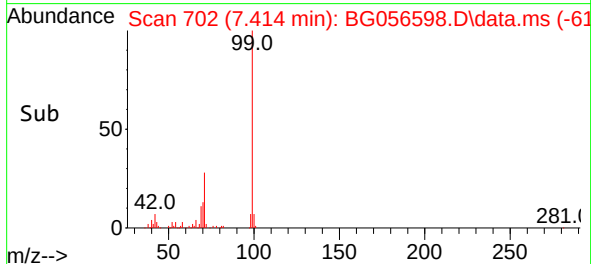
Instrument :
BNA_G
ClientSampleId :
ETGI-330



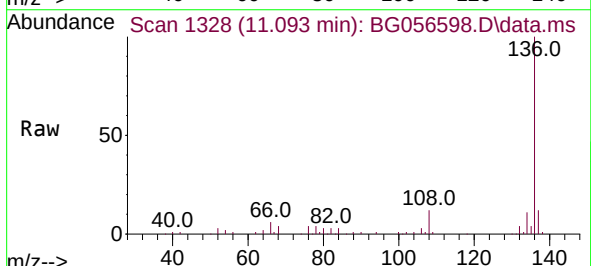
Tgt Ion: 99 Resp: 196263
Ion Ratio Lower Upper
99 100
42 7.1 6.6 10.0
71 27.9 23.4 35.0

Manual Integrations
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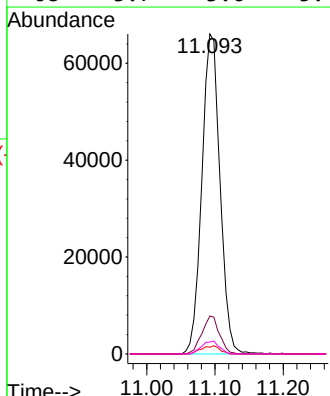
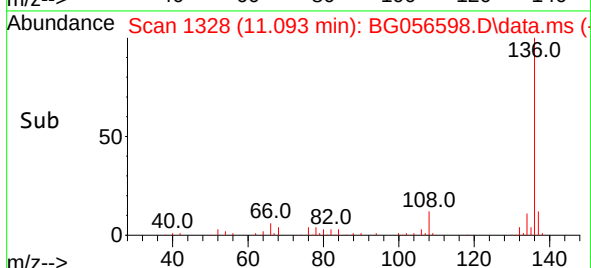
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

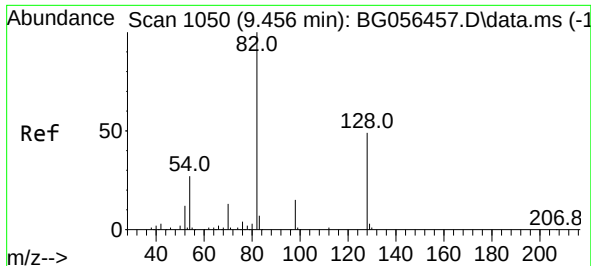


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.093 min Scan# 1328
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28



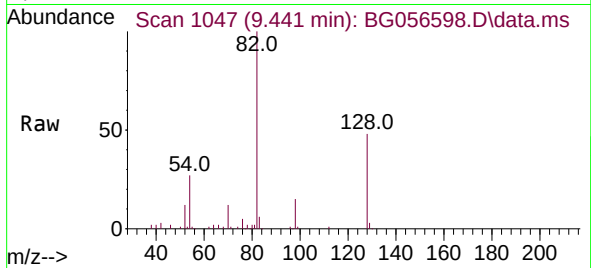
Tgt Ion:136 Resp: 121891
Ion Ratio Lower Upper
136 100
137 11.8 9.4 14.0
54 2.1 2.2 3.4#
68 3.7 3.6 5.4





#23
Nitrobenzene-d5
Concen: 49.045 ng
RT: 9.441 min Scan# 105276
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

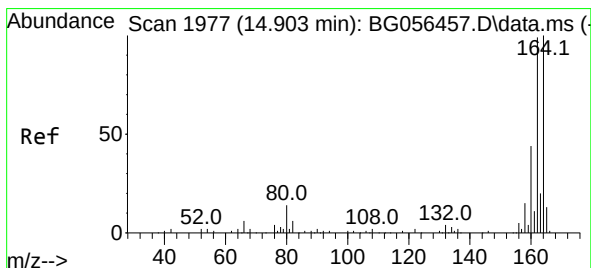
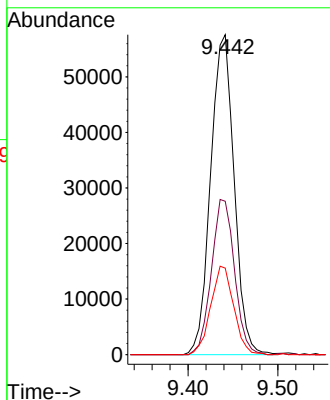
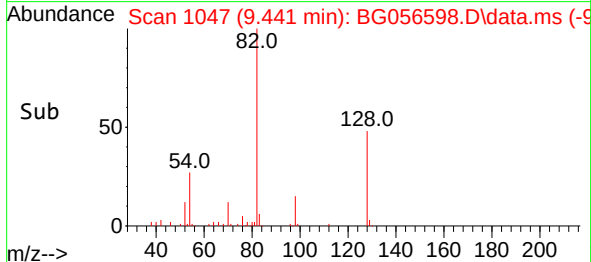
Instrument :
BNA_G
ClientSampleId :
ETGI-330



Tgt Ion: 82 Resp: 105276
Ion Ratio Lower Upper
82 100
128 47.9 39.4 59.2
54 27.0 21.4 32.2

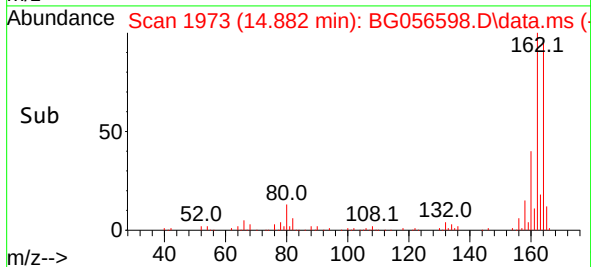
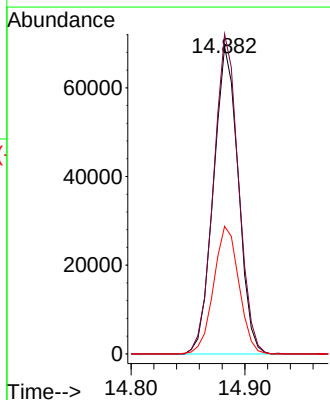
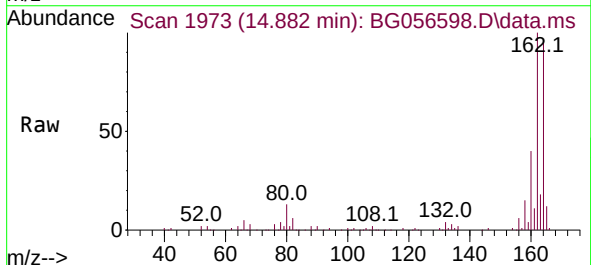
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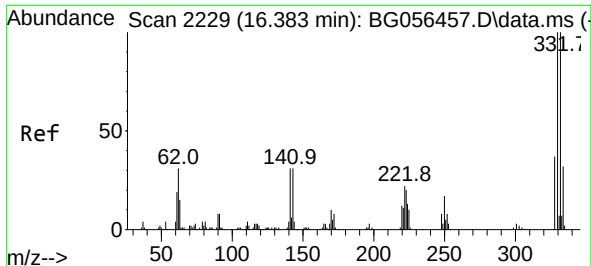
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.882 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:164 Resp: 105165
Ion Ratio Lower Upper
164 100
162 104.1 79.6 119.4
160 41.5 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 70.716 ng
RT: 16.369 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Instrument :

BNA_G

ClientSampleId :

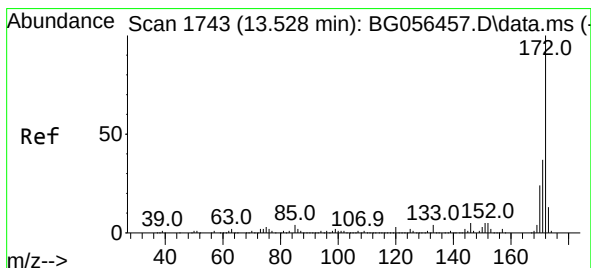
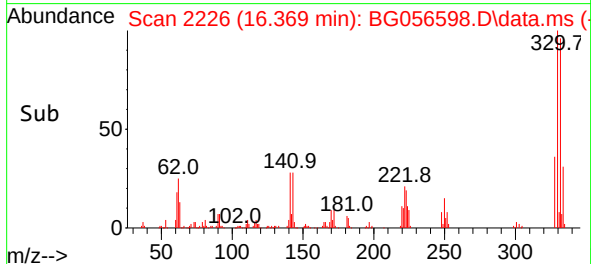
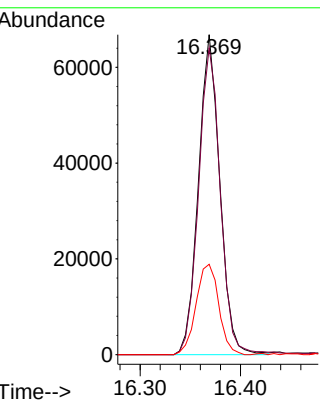
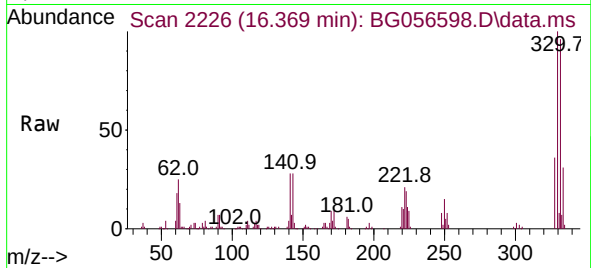
ETGI-330

Tgt Ion:330 Resp: 98869
Ion Ratio Lower Upper
330 100
332 98.3 79.0 118.6
141 30.0 24.2 36.4

Manual Integrations

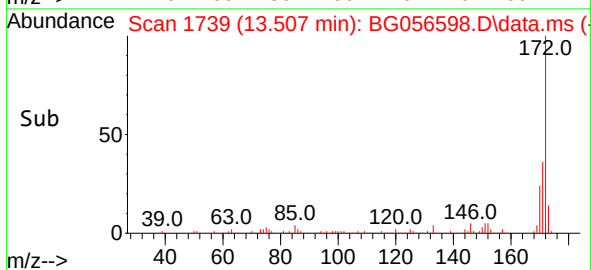
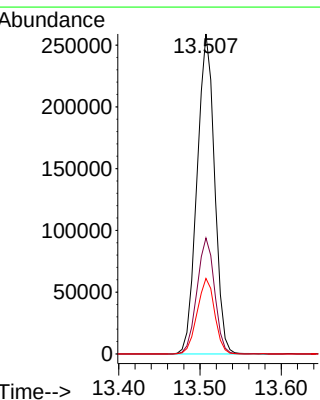
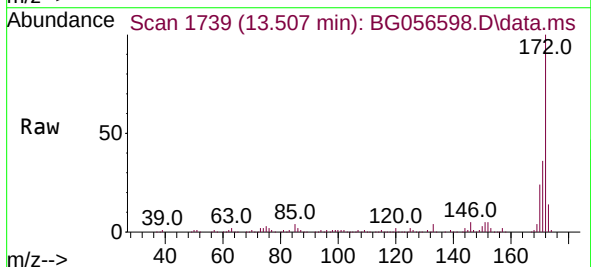
APPROVED

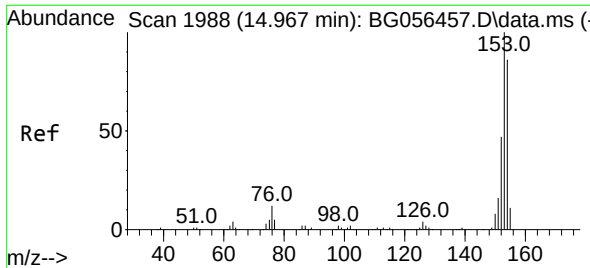
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#45
2-Fluorobiphenyl
Concen: 51.184 ng
RT: 13.507 min Scan# 1739
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:172 Resp: 388251
Ion Ratio Lower Upper
172 100
171 36.2 29.5 44.3
170 23.6 19.2 28.8





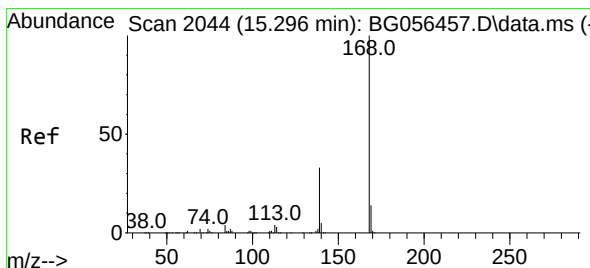
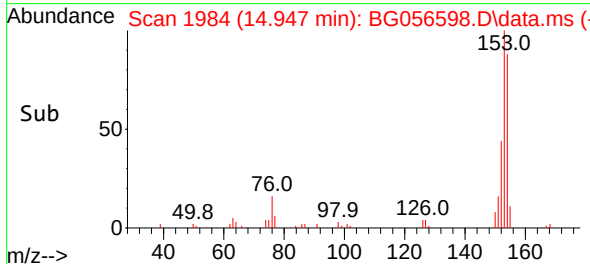
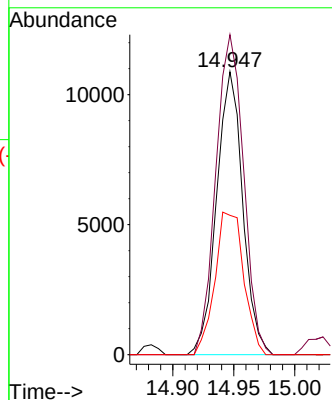
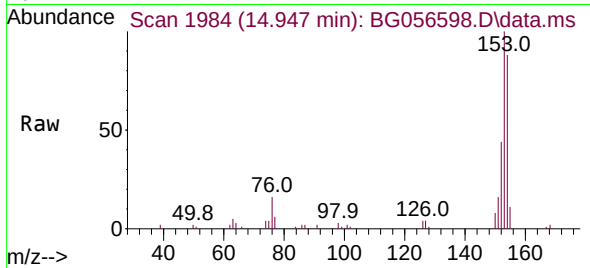
#52
Acenaphthene
Concen: 2.820 ng
RT: 14.947 min Scan# 1984
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Instrument :
BNA_G
ClientSampleId :
ETGI-330

Tgt Ion:154 Resp: 16224
Ion Ratio Lower Upper
154 100
153 113.2 93.4 140.0
152 49.2 43.4 65.2

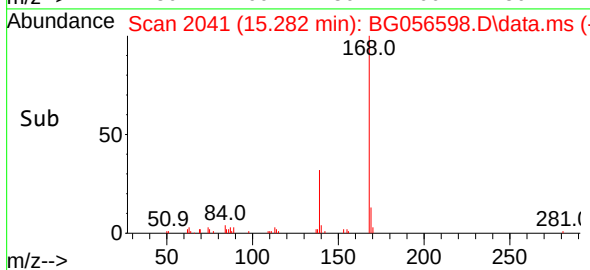
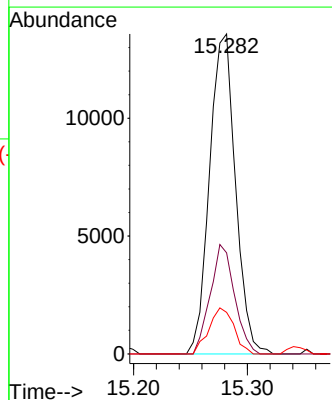
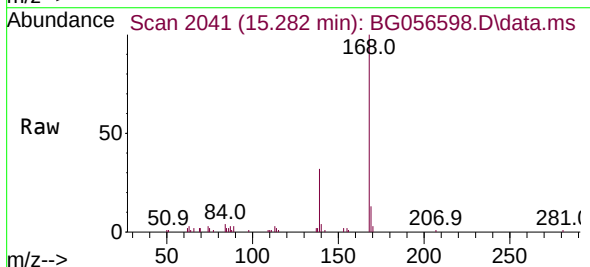
Manual Integrations
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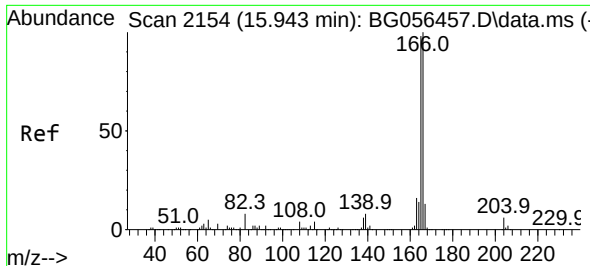
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#55
Dibenzofuran
Concen: 2.084 ng
RT: 15.282 min Scan# 2041
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

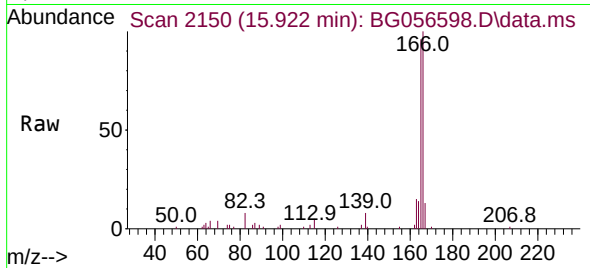
Tgt Ion:168 Resp: 21495
Ion Ratio Lower Upper
168 100
139 31.6 26.2 39.2
169 13.0 11.0 16.6





#58
Fluorene
Concen: 2.826 ng
RT: 15.922 min Scan# 2154
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

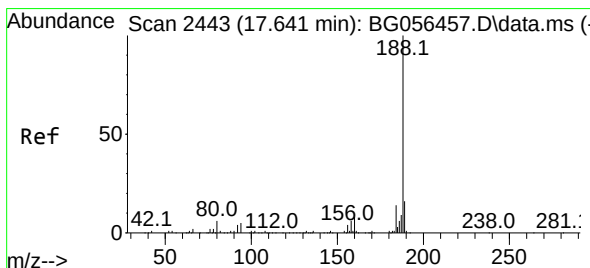
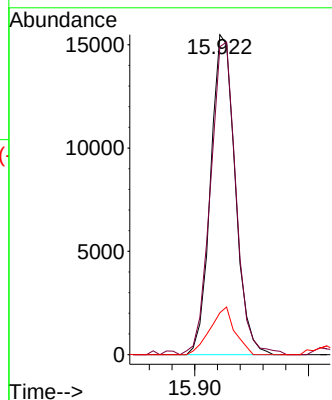
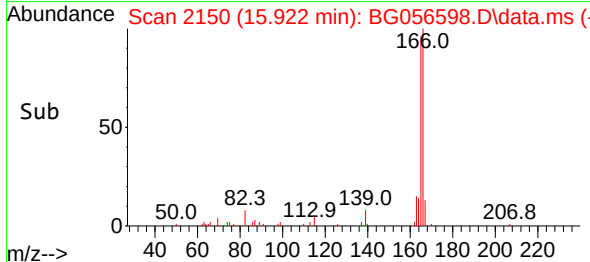
Instrument :
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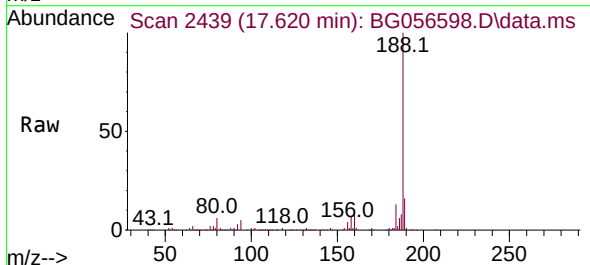
Tgt Ion:166 Resp: 23195
Ion Ratio Lower Upper
166 100
165 96.2 78.8 118.2
167 13.1 10.6 15.8

Manual Integrations
APPROVED

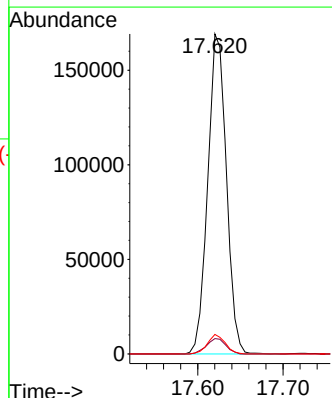
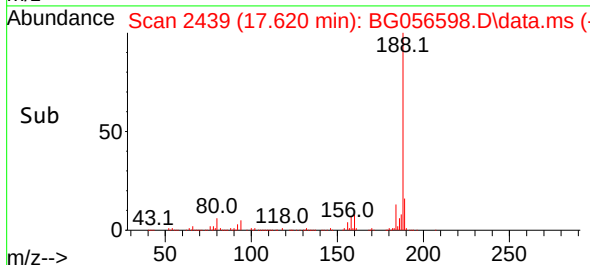
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

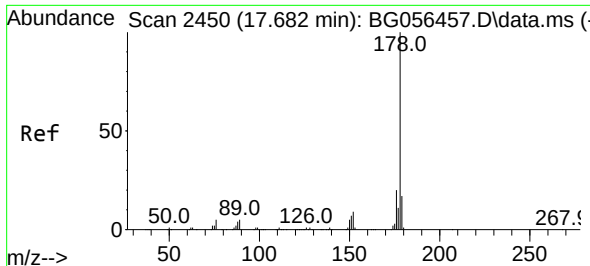


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.620 min Scan# 2439
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28



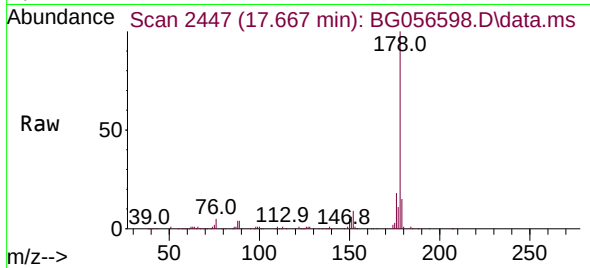
Tgt Ion:188 Resp: 256676
Ion Ratio Lower Upper
188 100
94 4.8 4.1 6.1
80 6.1 5.0 7.4





#71
Phenanthrene
Concen: 12.383 ng
RT: 17.667 min Scan# 2450
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

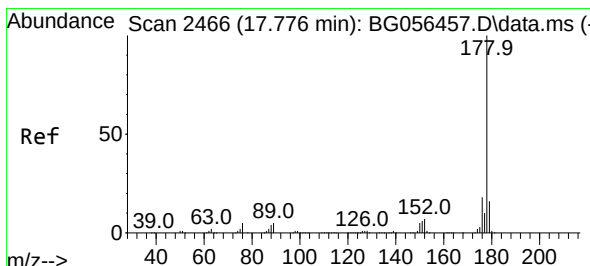
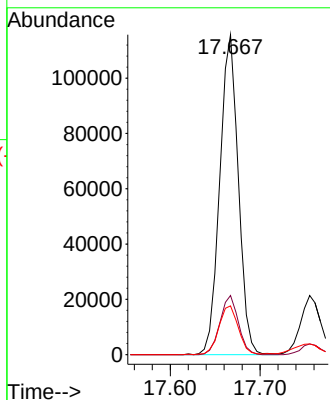
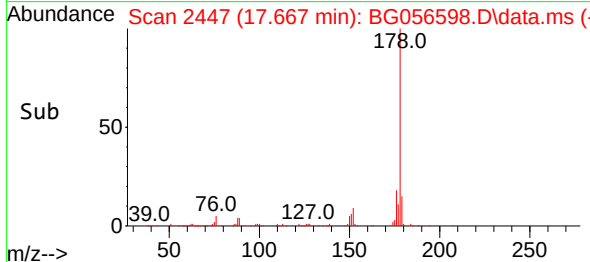
Instrument :
BNA_G
ClientSampleId :
ETGI-330



Tgt Ion:178 Resp: 166354
Ion Ratio Lower Upper
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179 15.2 13.3 19.9

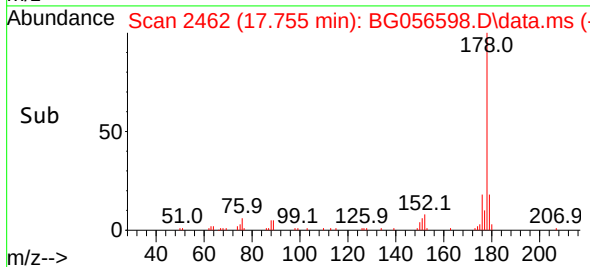
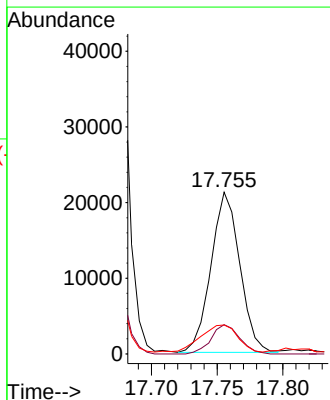
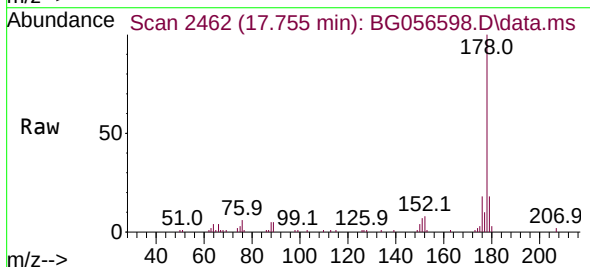
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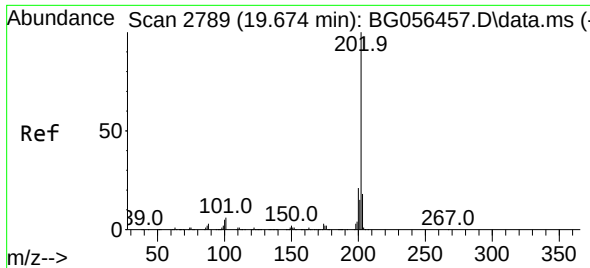
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#72
Anthracene
Concen: 2.350 ng
RT: 17.755 min Scan# 2462
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

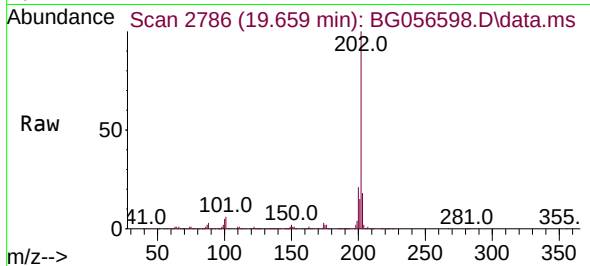
Tgt Ion:178 Resp: 32405
Ion Ratio Lower Upper
178 100
176 18.0 14.5 21.7
179 17.9 12.5 18.7





#75
Fluoranthene
Concen: 15.783 ng
RT: 19.659 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

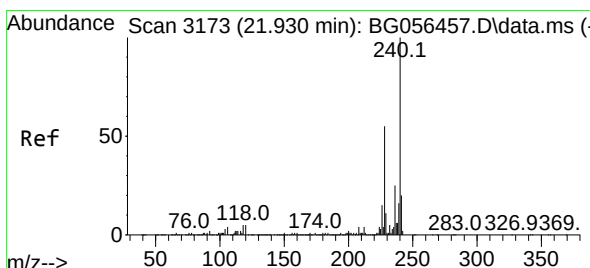
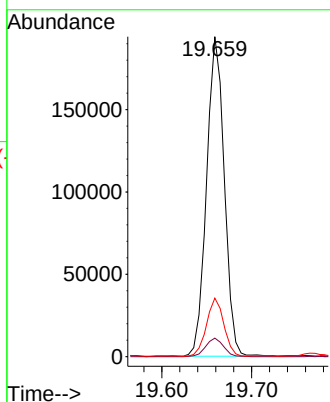
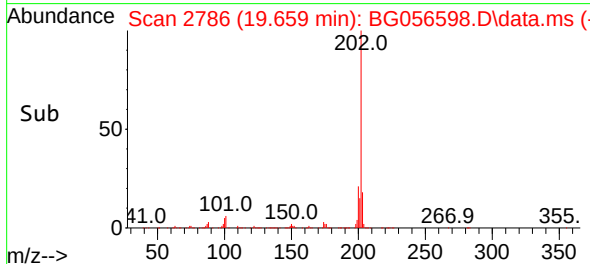
Instrument :
BNA_G
ClientSampleId :
ETGI-330



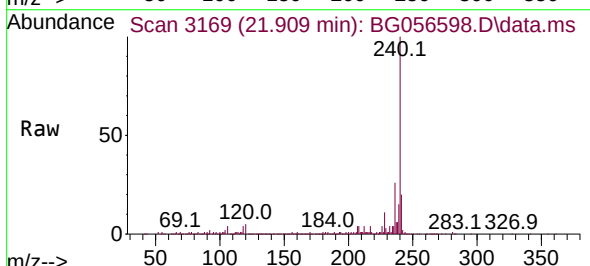
Tgt Ion:202 Resp: 267600
Ion Ratio Lower Upper
202 100
101 5.8 0.0 25.6
203 18.3 0.0 38.1

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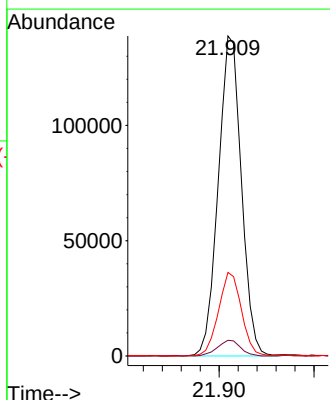
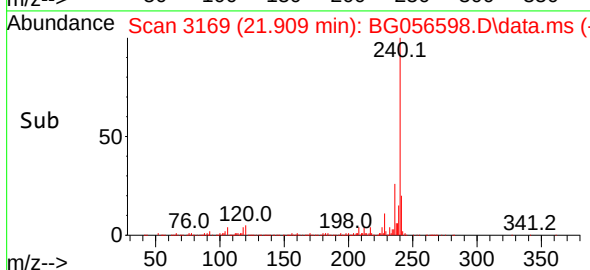
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

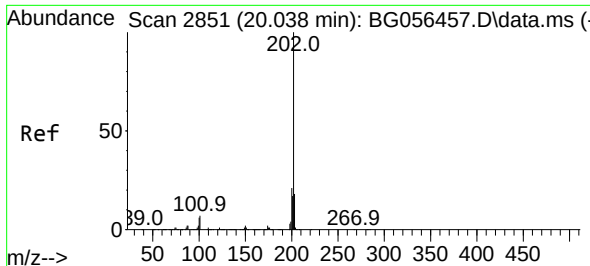


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.909 min Scan# 3169
Delta R.T. -0.015 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28



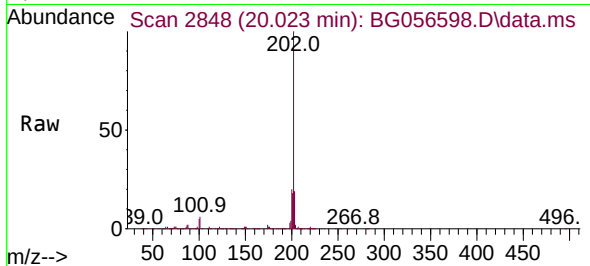
Tgt Ion:240 Resp: 234812
Ion Ratio Lower Upper
240 100
120 4.9 3.8 5.8
236 26.1 20.2 30.2





#78
Pyrene
Concen: 12.957 ng
RT: 20.023 min Scan# 2848
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

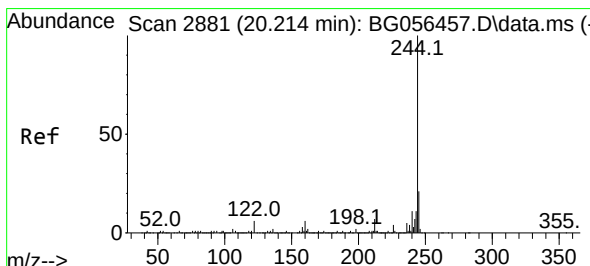
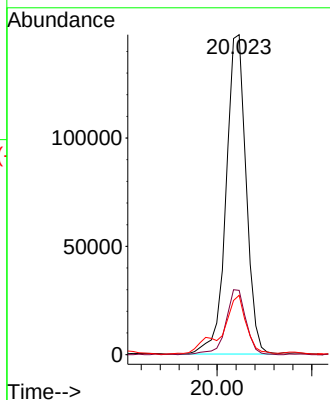
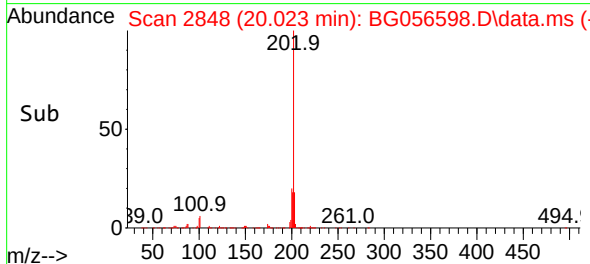
Instrument :
BNA_G
ClientSampleId :
ETGI-330



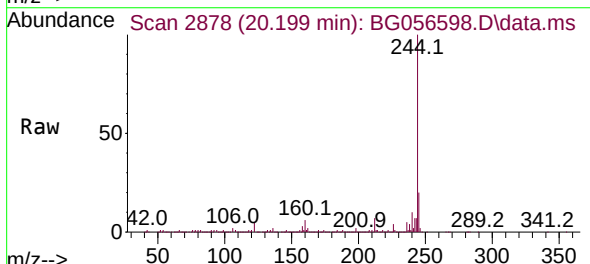
Tgt Ion:202 Resp: 21638
Ion Ratio Lower Upper
202 100
200 20.1 16.7 25.1
203 18.5 14.4 21.6

Manual Integrations
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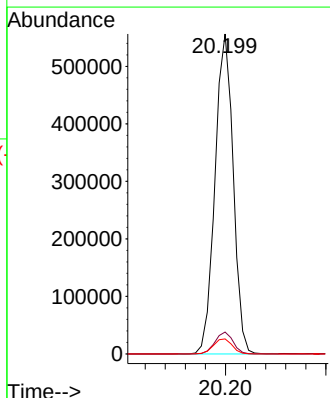
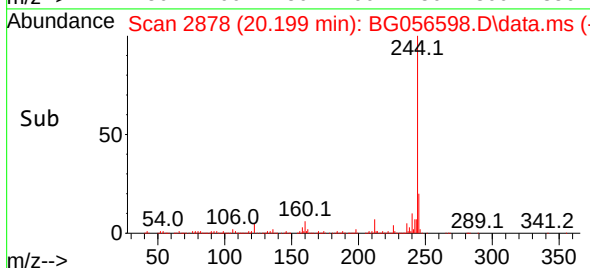
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

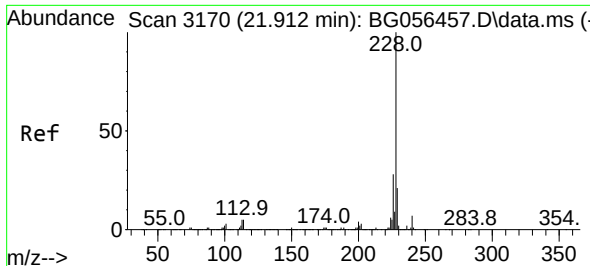


#79
Terphenyl-d14
Concen: 52.559 ng
RT: 20.199 min Scan# 2878
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28



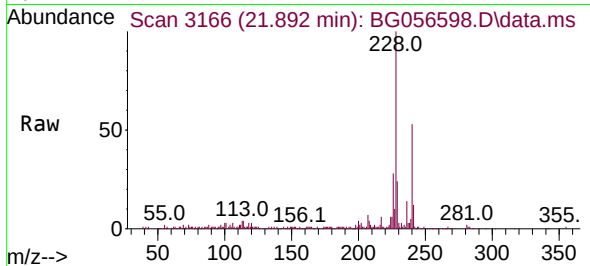
Tgt Ion:244 Resp: 702672
Ion Ratio Lower Upper
244 100
212 6.8 5.5 8.3
122 4.7 4.4 6.6





#81
Benzo(a)anthracene
Concen: 6.073 ng
RT: 21.892 min Scan# 3170
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

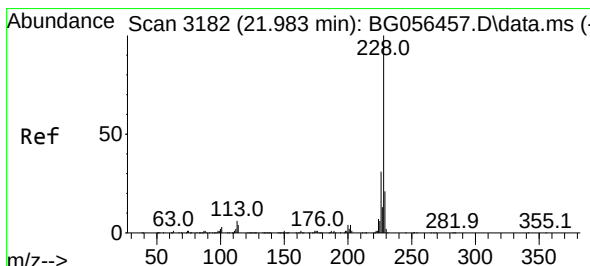
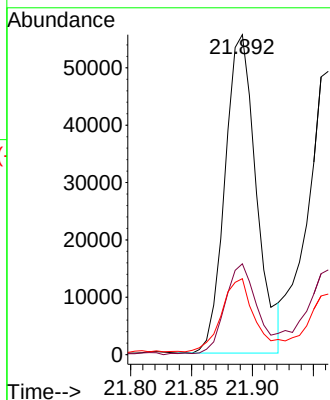
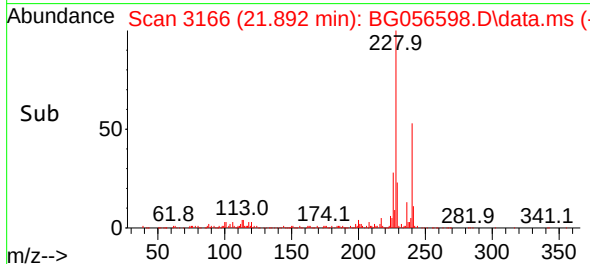
Instrument :
BNA_G
ClientSampleId :
ETGI-330



Tgt Ion:228 Resp: 99697
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 23.7 16.5 24.7

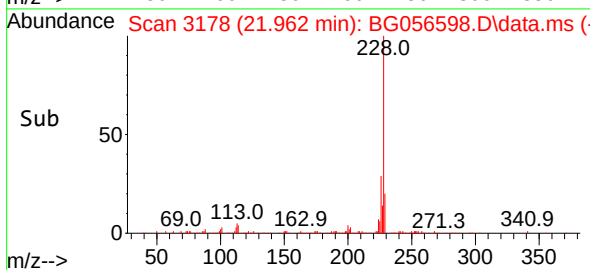
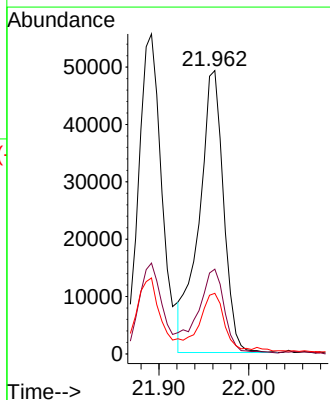
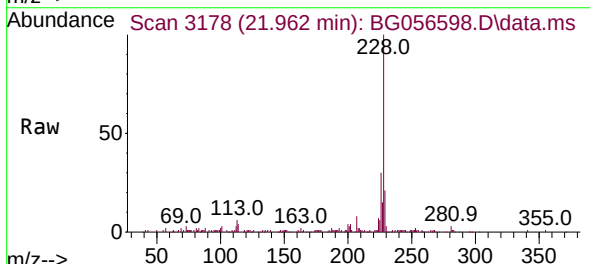
Manual Integrations
APPROVED

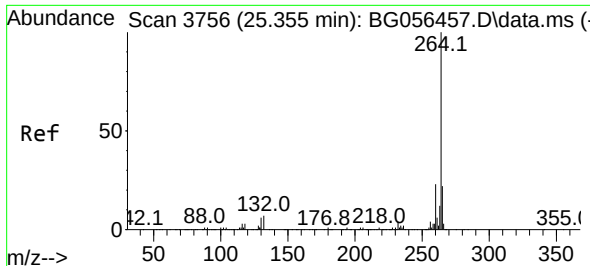
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#83
Chrysene
Concen: 6.070 ng
RT: 21.962 min Scan# 3178
Delta R.T. -0.009 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

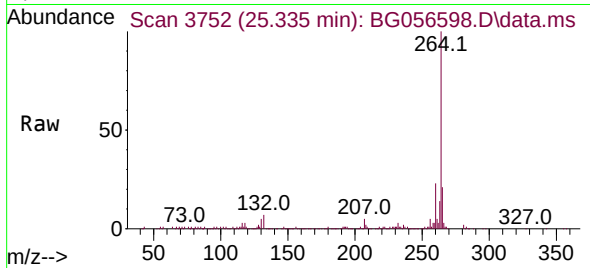
Tgt Ion:228 Resp: 93611
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.4
229 21.4 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.335 min Scan# 31
Delta R.T. -0.003 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

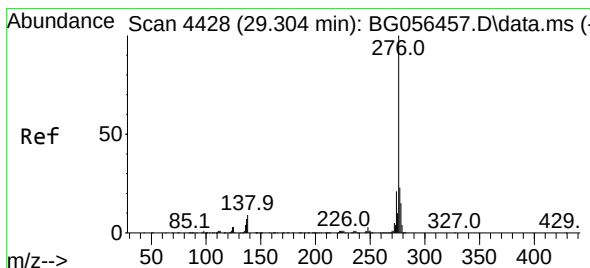
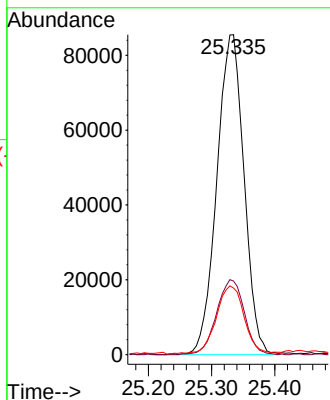
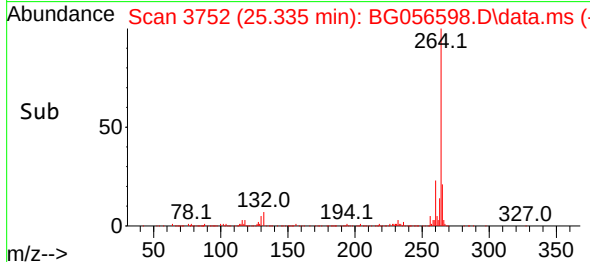
Instrument :
BNA_G
ClientSampleId :
ETGI-330



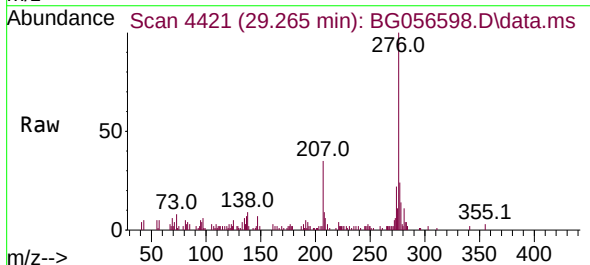
Tgt Ion:264 Resp: 255510
Ion Ratio Lower Upper
264 100
260 23.0 18.2 27.4
265 20.8 18.1 27.1

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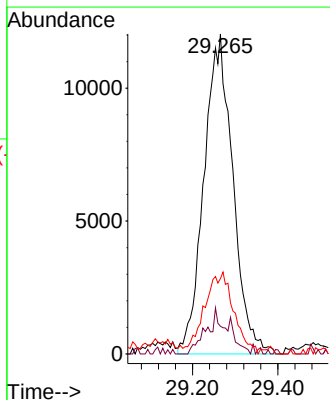
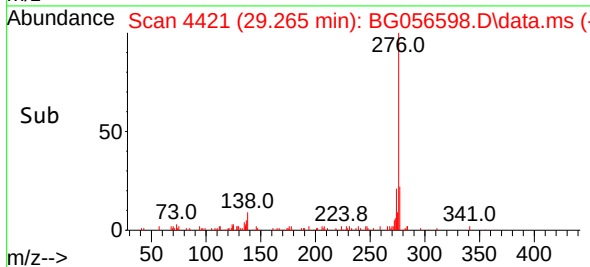
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023

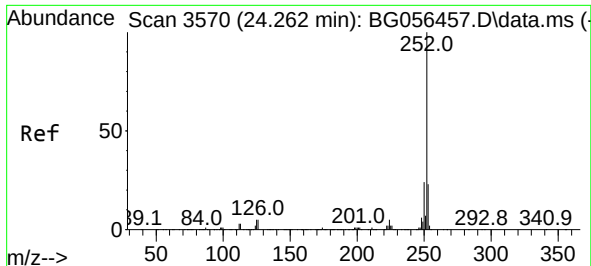


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.026 ng
RT: 29.265 min Scan# 4421
Delta R.T. -0.021 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28



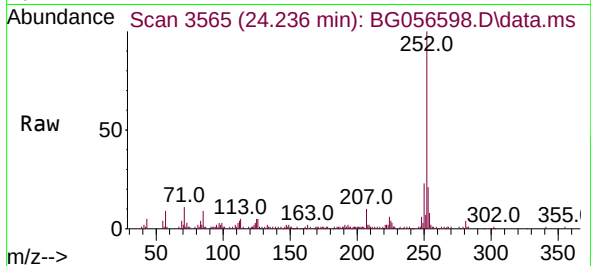
Tgt Ion:276 Resp: 56604
Ion Ratio Lower Upper
276 100
138 7.6 9.4 14.2#
277 11.2 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 7.583 ng
RT: 24.236 min Scan# 3565
Delta R.T. -0.015 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

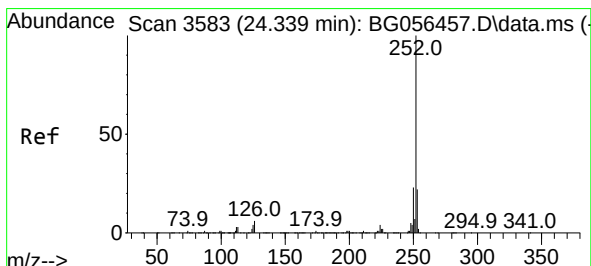
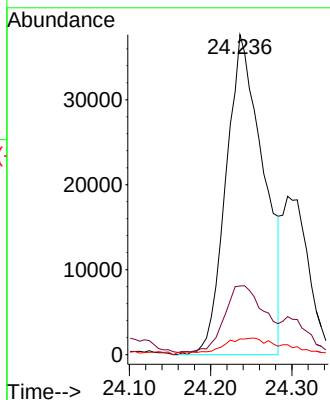
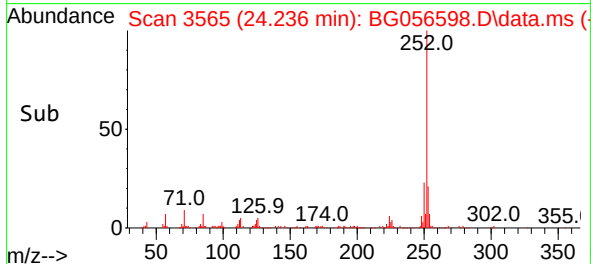
Instrument :
BNA_G
ClientSampleId :
ETGI-330



Tgt Ion:252 Resp: 120258
Ion Ratio Lower Upper
252 100
253 21.4 18.1 27.1
125 4.9 3.9 5.9

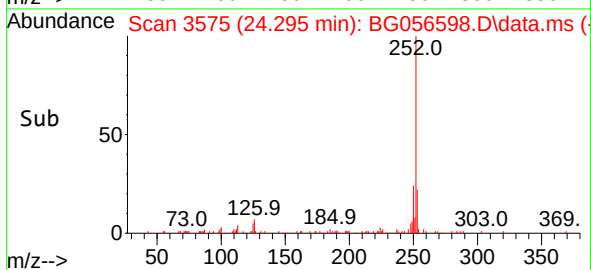
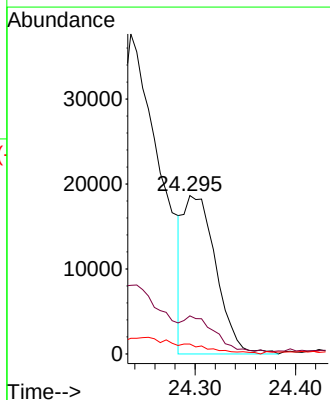
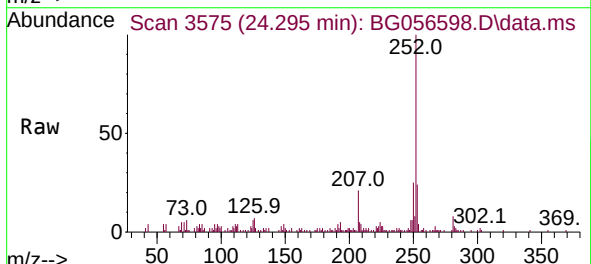
Manual Integrations
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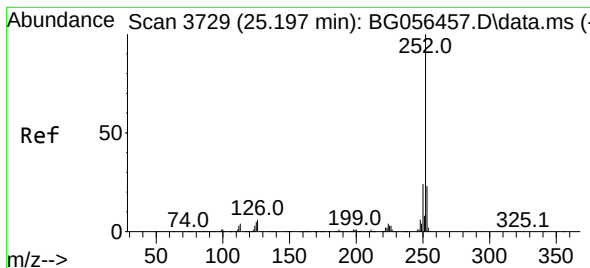
Reviewed By :Christian Giraldo 02/10/2023
Supervised By :Jagrut Upadhyay 02/10/2023



#89
Benzo(k)fluoranthene
Concen: 2.635 ng m
RT: 24.295 min Scan# 3575
Delta R.T. -0.027 min
Lab File: BG056598.D
Acq: 9 Feb 2023 15:28

Tgt Ion:252 Resp: 42199
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 6.2 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 5.056 ng

RT: 25.170 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Instrument :

BNA_G

ClientSampleId :

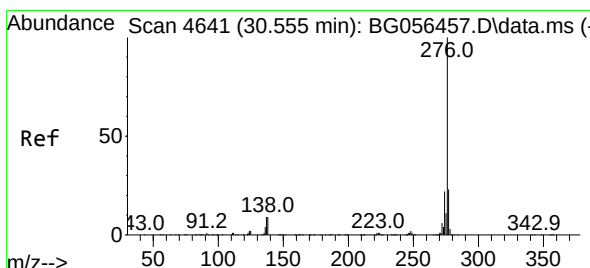
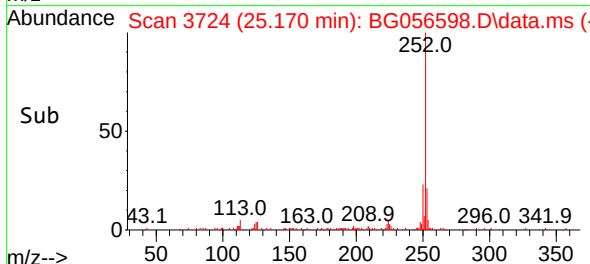
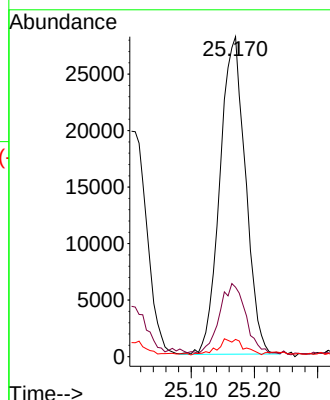
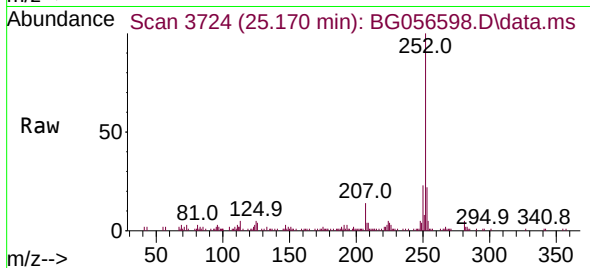
ETGI-330

Tgt Ion:252 Resp: 78984
 Ion Ratio Lower Upper
 252 100
 253 21.7 18.4 27.6
 125 5.4 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023
 Supervised By :Jagrut Upadhyay 02/10/2023



#92

Benzo(g,h,i)perylene

Concen: 3.467 ng

RT: 30.487 min Scan# 4629

Delta R.T. -0.038 min

Lab File: BG056598.D

Acq: 9 Feb 2023 15:28

Tgt Ion:276 Resp: 52524
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.5 27.7
 138 10.6 7.4 11.0

