

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057504.D
 Acq On : 22 May 2023 22:06
 Operator : CG/JU
 Sample : 02864-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-289

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/23/2023
 Supervised By : Jagrut Upadhyay 05/23/2023

Quant Time: May 23 04:08:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:19:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.350	152	21014	20.000	ng	-0.01
21) Naphthalene-d8	11.194	136	83929	20.000	ng	0.00
39) Acenaphthene-d10	14.965	164	59994	20.000	ng	-0.01
64) Phenanthrene-d10	17.708	188	139893	20.000	ng	0.00
76) Chrysene-d12	22.014	240	128562	20.000	ng	0.00
86) Perylene-d12	25.510	264	138047	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.877	112	94438	76.876	ng	0.00
7) Phenol-d6	7.499	99	138383	74.182	ng	0.00
23) Nitrobenzene-d5	9.531	82	90264	45.139	ng	0.00
42) 2,4,6-Tribromophenol	16.451	330	62380	73.280	ng	0.00
45) 2-Fluorobiphenyl	13.590	172	218258	48.996	ng	-0.01
79) Terphenyl-d14	20.275	244	352241	44.712	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.241	128	12046	2.685	ng	97
37) 2-Methylnaphthalene	12.821	142	10531	2.985	ng	99
38) 1-Methylnaphthalene	13.038	142	7188m	2.162	ng	
71) Phenanthrene	17.749	178	32789	4.574	ng	99
75) Fluoranthene	19.741	202	51057	5.727	ng	99
78) Pyrene	20.099	202	51063m	5.466	ng	
81) Benzo(a)anthracene	21.991	228	30117	3.288	ng	# 94
83) Chrysene	22.061	228	39668m	4.603	ng	
88) Benzo(b)fluoranthene	24.393	252	42357	4.694	ng	93
90) Benzo(a)pyrene	25.339	252	27532	3.123	ng	97
92) Benzo(g,h,i)perylene	30.820	276	17568	2.147	ng	98

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

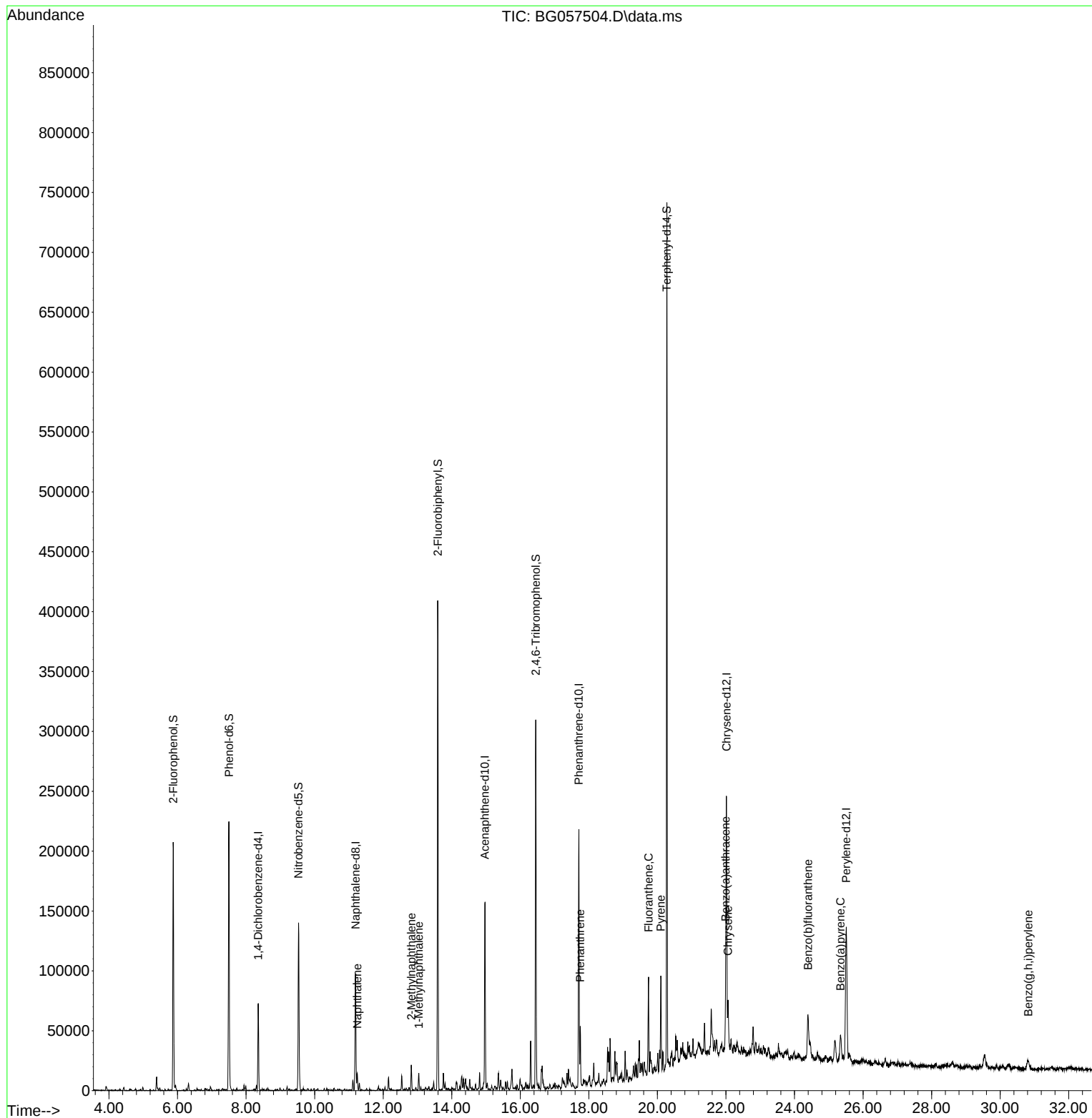
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057504.D
Acq On : 22 May 2023 22:06
Operator : CG/JU
Sample : 02864-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

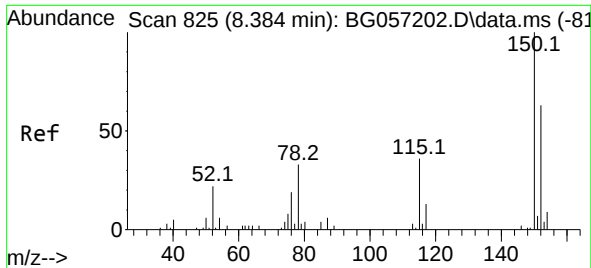
Instrument :
BNA_G
ClientSampleId :
ETGI-289

Quant Time: May 23 04:08:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

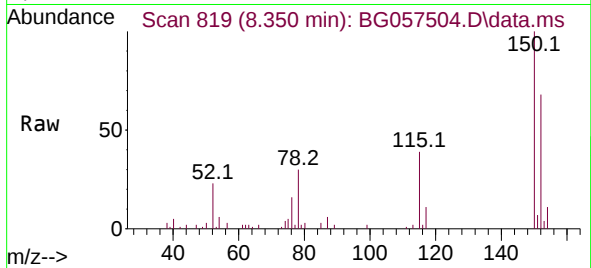
Reviewed By : Christian Giraldo 05/23/2023
Supervised By : Jagrut Upadhyay 05/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.350 min Scan# 81
Delta R.T. -0.012 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06

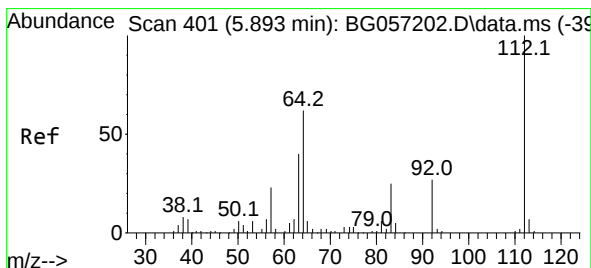
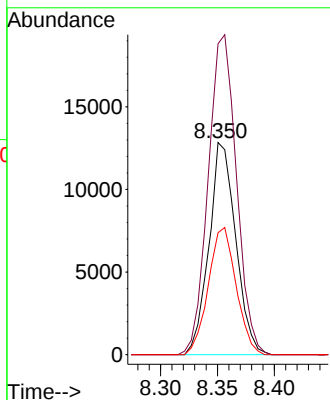
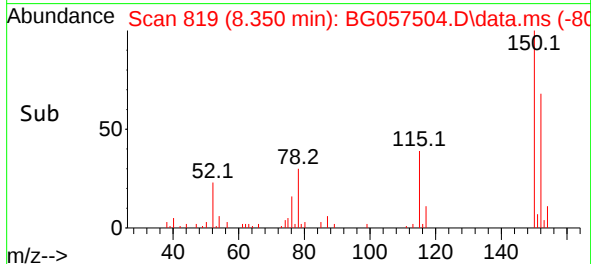
Instrument :
BNA_G
ClientSampleId :
ETGI-289



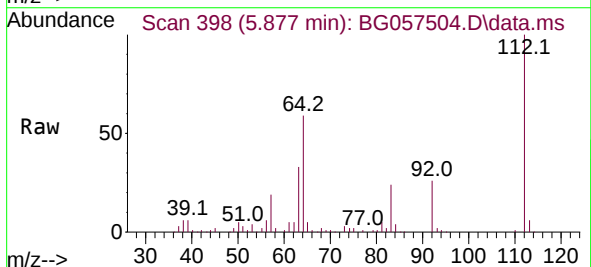
Tgt Ion:152 Resp: 21014
Ion Ratio Lower Upper
152 100
150 146.5 126.2 189.4
115 57.4 45.0 67.4

Manual Integrations
APPROVED

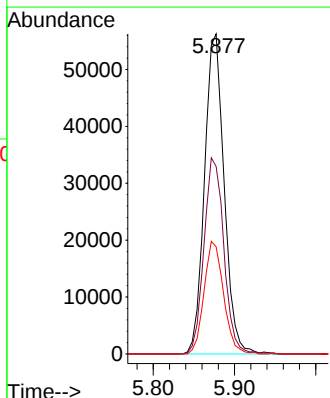
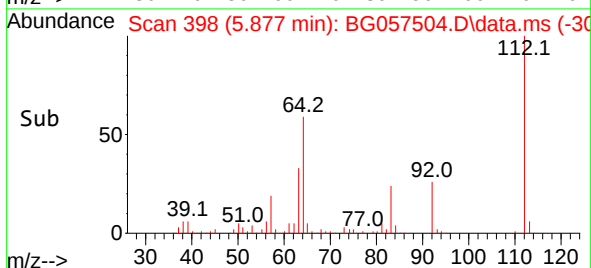
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

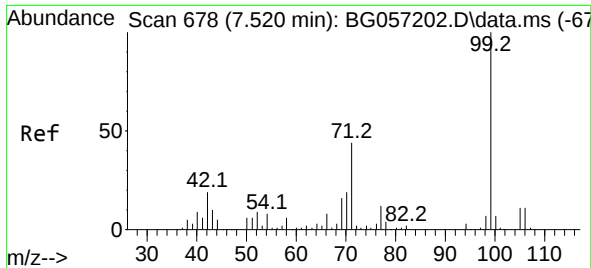


#5
2-Fluorophenol
Concen: 76.876 ng
RT: 5.877 min Scan# 398
Delta R.T. 0.006 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06



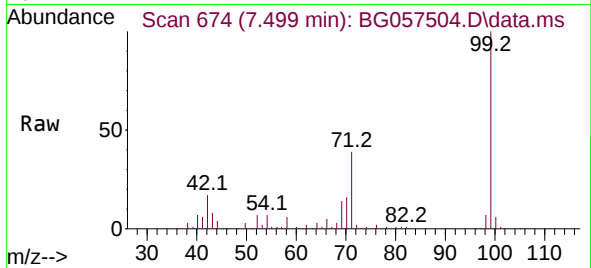
Tgt Ion:112 Resp: 94438
Ion Ratio Lower Upper
112 100
64 58.6 49.4 74.2
63 33.5 31.6 47.4





#7
Phenol-d6
Concen: 74.182 ng
RT: 7.499 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06

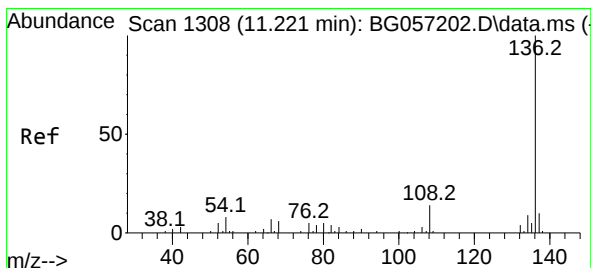
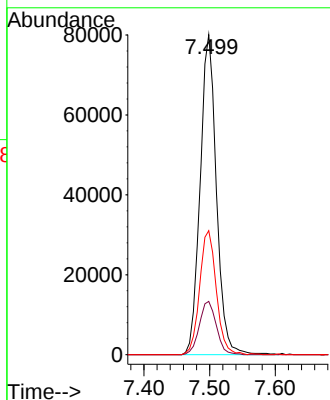
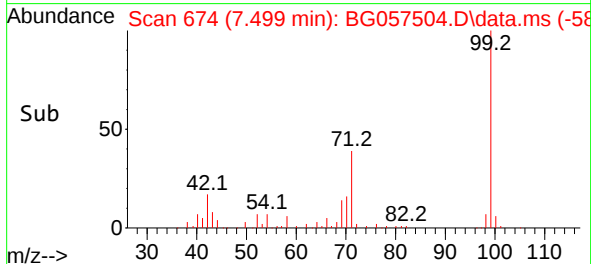
Instrument :
BNA_G
ClientSampleId :
ETGI-289



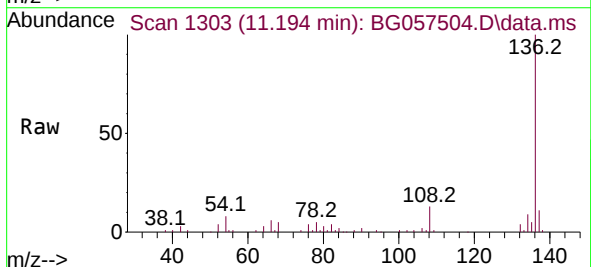
Tgt Ion: 99 Resp: 13838
Ion Ratio Lower Upper
99 100
42 16.6 15.1 22.7
71 38.8 35.2 52.8

Manual Integrations
APPROVED

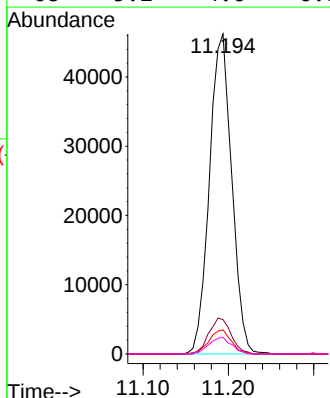
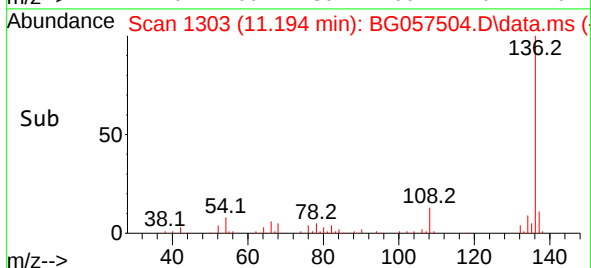
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

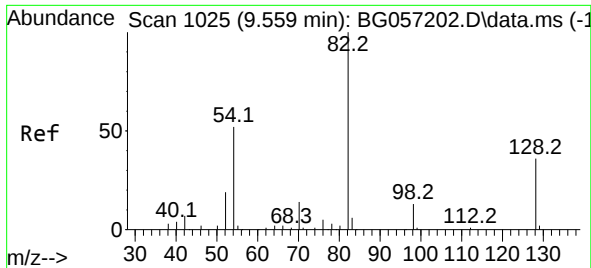


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.194 min Scan# 1303
Delta R.T. -0.005 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06



Tgt Ion:136 Resp: 83929
Ion Ratio Lower Upper
136 100
137 10.7 8.3 12.5
54 7.6 6.7 10.1
68 5.2 4.6 6.8





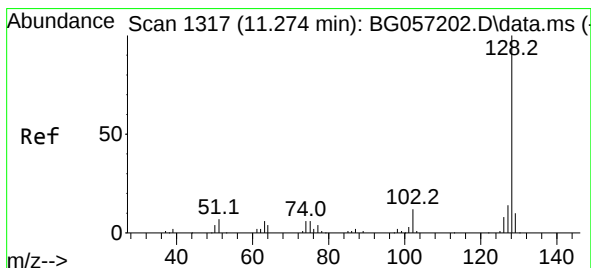
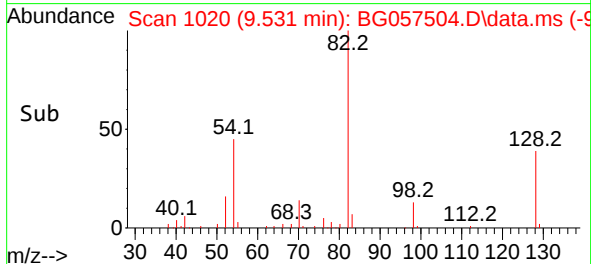
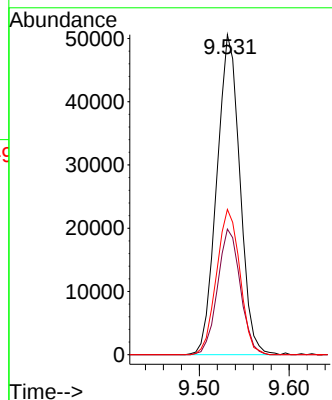
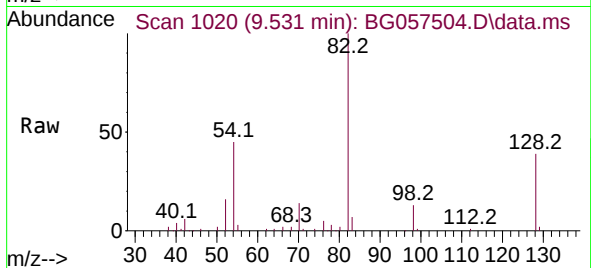
#23
Nitrobenzene-d5
Concen: 45.139 ng
RT: 9.531 min Scan# 1020
Delta R.T. -0.005 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06

Instrument :
BNA_G
ClientSampleId :
ETGI-289

Tgt Ion: 82 Resp: 90264
Ion Ratio Lower Upper
82 100
128 39.3 29.0 43.4
54 45.4 41.4 62.0

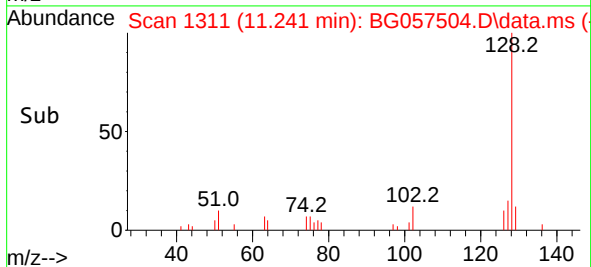
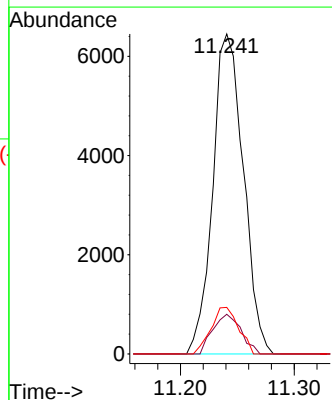
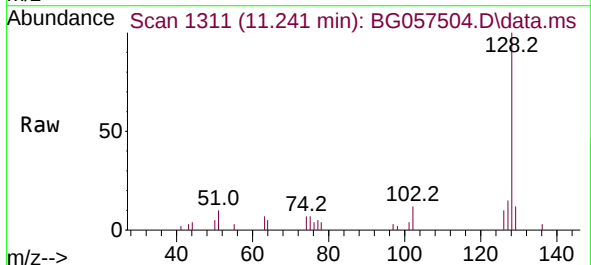
Manual Integrations
APPROVED

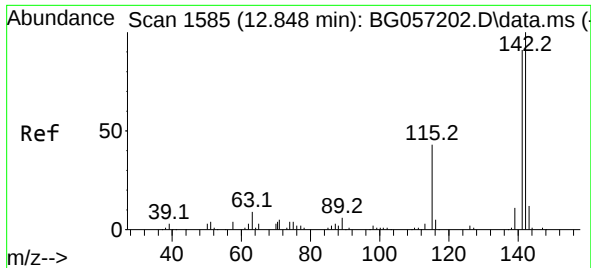
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#31
Naphthalene
Concen: 2.685 ng
RT: 11.241 min Scan# 1311
Delta R.T. -0.005 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06

Tgt Ion:128 Resp: 12046
Ion Ratio Lower Upper
128 100
129 12.4 8.3 12.5
127 14.5 11.1 16.7





#37

2-Methylnaphthalene

Concen: 2.985 ng

RT: 12.821 min Scan# 11

Delta R.T. -0.005 min

Lab File: BG057504.D

Acq: 22 May 2023 22:06

Instrument :

BNA_G

ClientSampleId :

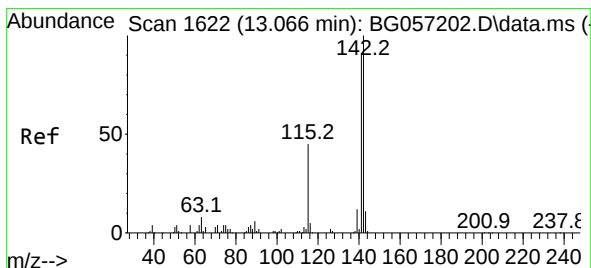
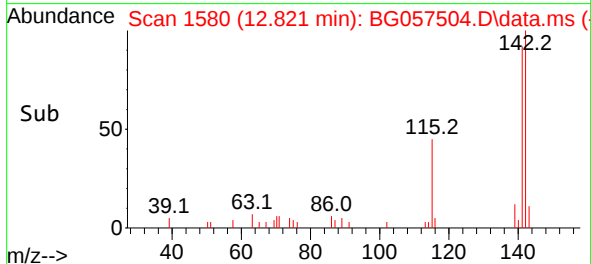
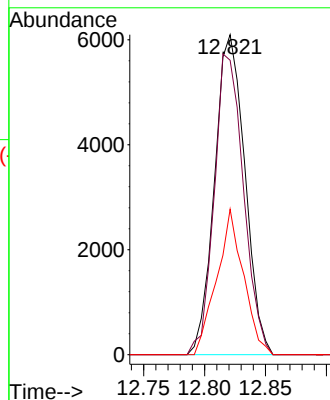
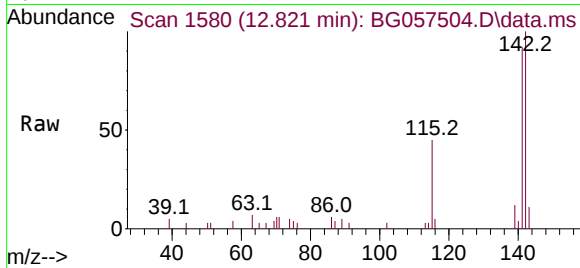
ETGI-289

Tgt Ion:142	Resp:	1053
Ion Ratio	Lower	Upper
142	100	
141	92.0	73.1 109.7
115	45.4	34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#38

1-Methylnaphthalene

Concen: 2.162 ng m

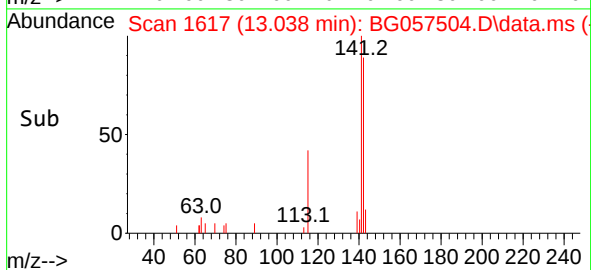
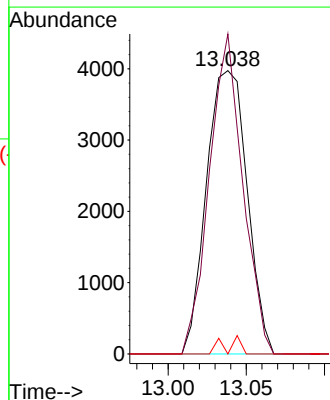
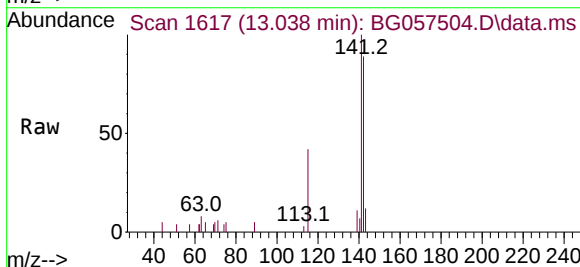
RT: 13.038 min Scan# 1617

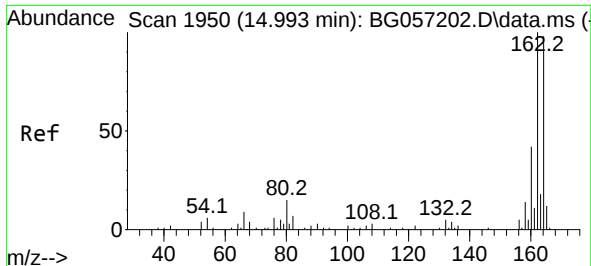
Delta R.T. -0.005 min

Lab File: BG057504.D

Acq: 22 May 2023 22:06

Tgt Ion:142	Resp:	7188
Ion Ratio	Lower	Upper
142	100	
141	112.9	72.5 108.7#
116	0.0	3.7 5.5#





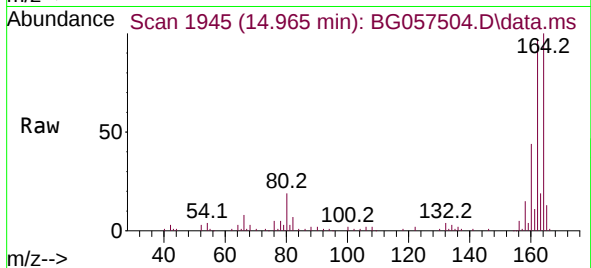
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.965 min Scan# 1945
Delta R.T. -0.011 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06

Instrument :

BNA_G

ClientSampleId :

ETGI-289

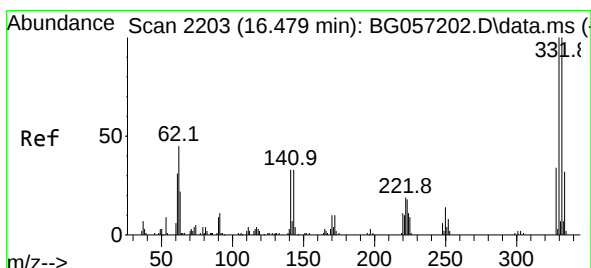
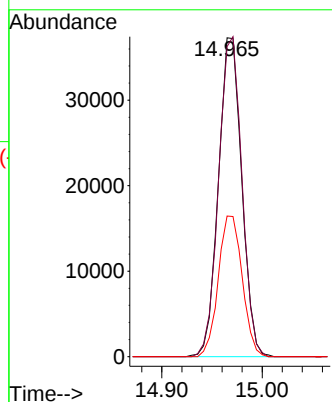
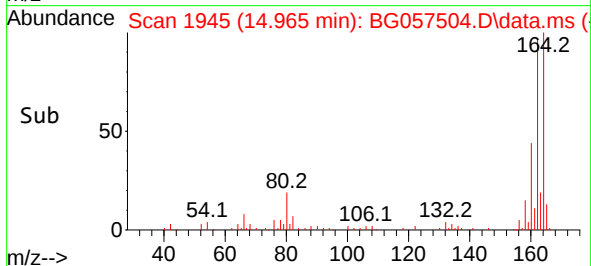


Tgt Ion:164 Resp: 5994
Ion Ratio Lower Upper
164 100
162 97.3 81.8 122.6
160 44.1 34.6 52.0

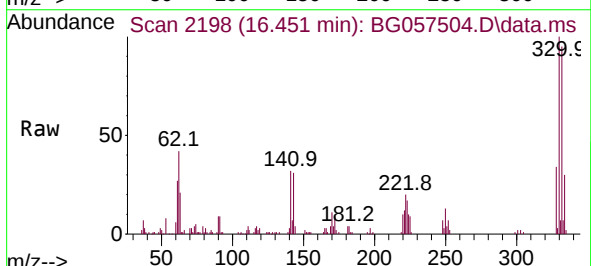
Manual Integrations

APPROVED

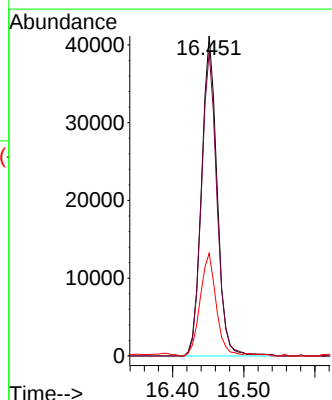
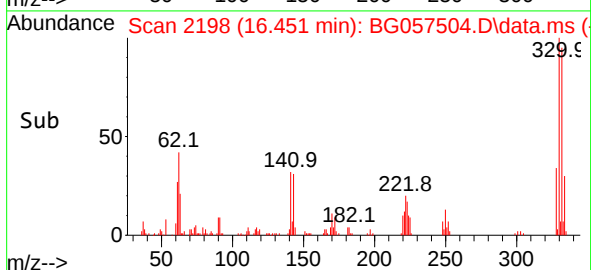
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

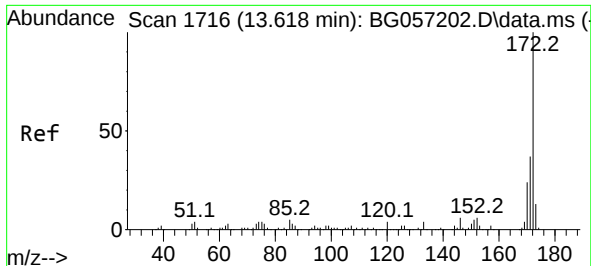


#42
2,4,6-Tribromophenol
Concen: 73.280 ng
RT: 16.451 min Scan# 2198
Delta R.T. -0.005 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06



Tgt Ion:330 Resp: 62380
Ion Ratio Lower Upper
330 100
332 95.3 78.2 117.2
141 33.1 27.8 41.8





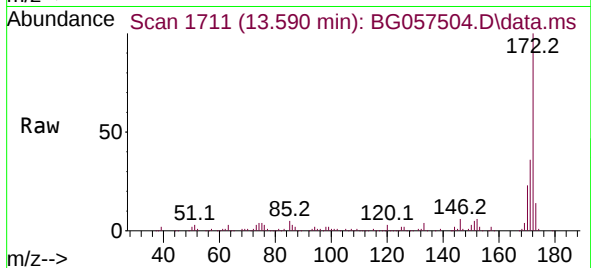
#45
2-Fluorobiphenyl
Concen: 48.996 ng
RT: 13.590 min Scan# 1716
Delta R.T. -0.011 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06

Instrument :

BNA_G

ClientSampleId :

ETGI-289

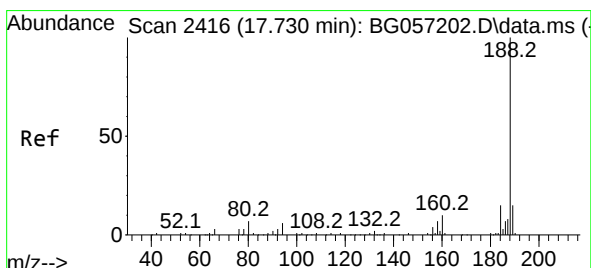
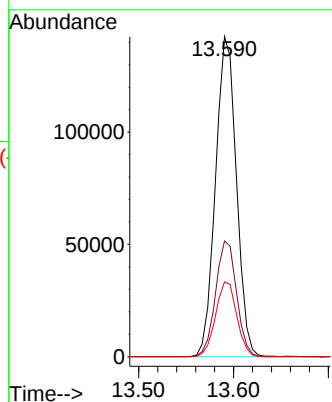
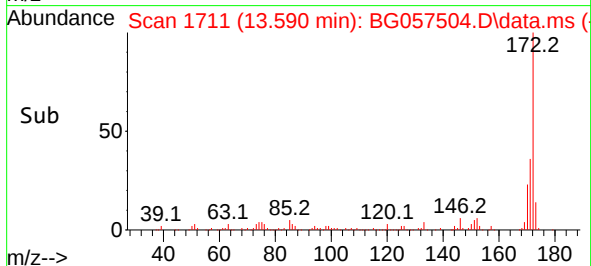


Tgt Ion:172 Resp: 218258
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 23.4 19.0 28.6

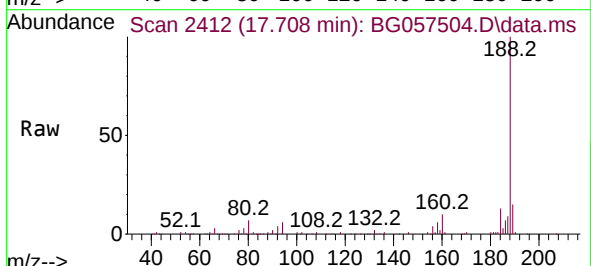
Manual Integrations

APPROVED

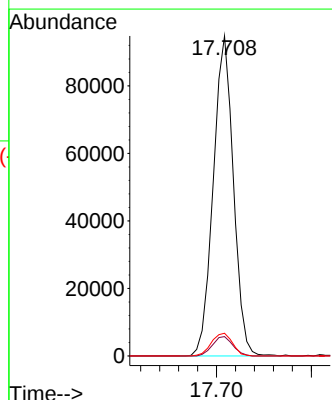
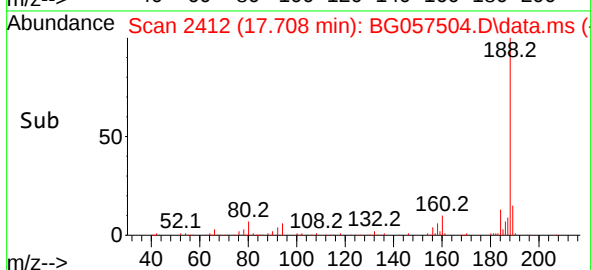
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

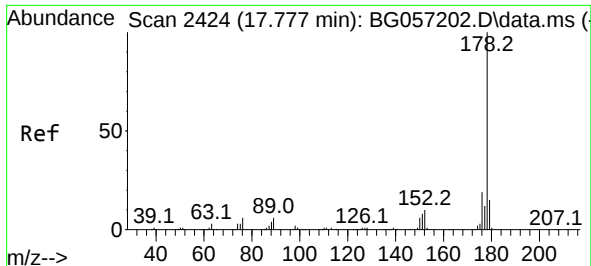


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.708 min Scan# 2412
Delta R.T. -0.005 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06



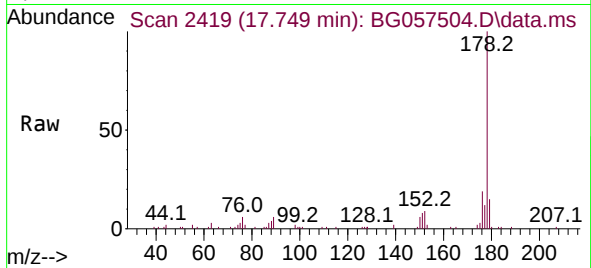
Tgt Ion:188 Resp: 139893
Ion Ratio Lower Upper
188 100
94 6.1 5.1 7.7
80 7.1 5.7 8.5





#71
Phenanthrene
Concen: 4.574 ng
RT: 17.749 min Scan# 2419
Delta R.T. -0.005 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06

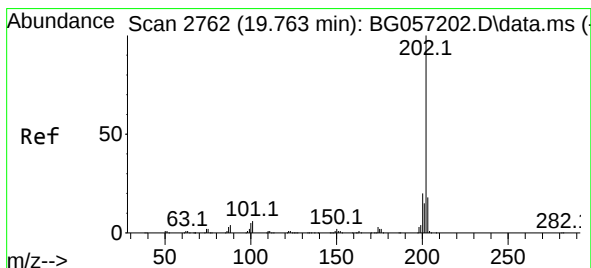
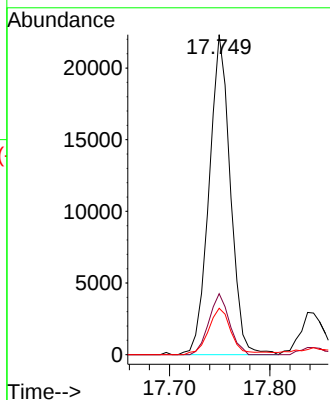
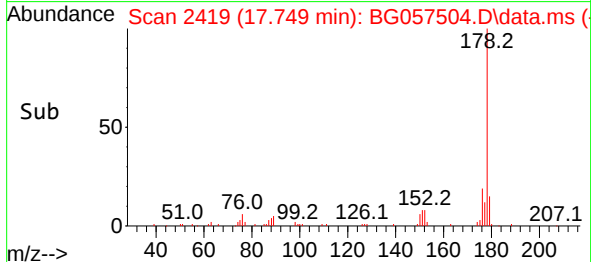
Instrument :
BNA_G
ClientSampleId :
ETGI-289



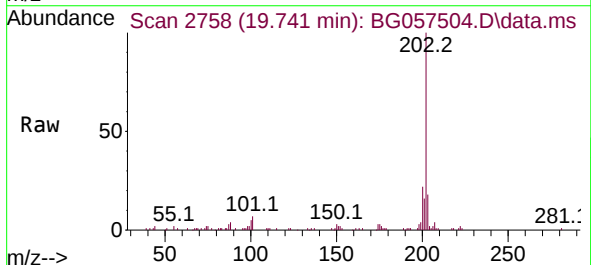
Tgt Ion:178 Resp: 32789
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 14.5 12.3 18.5

Manual Integrations
APPROVED

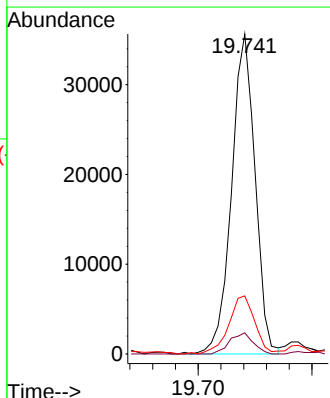
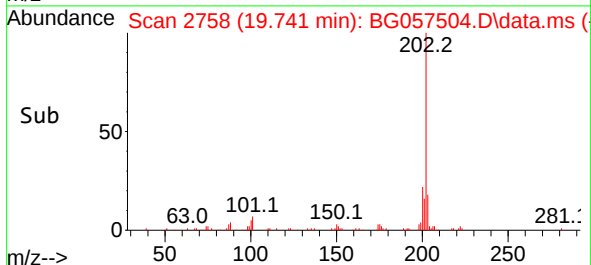
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

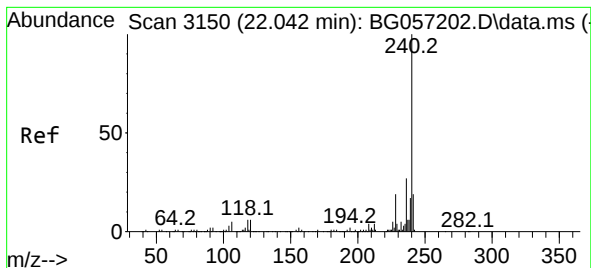


#75
Fluoranthene
Concen: 5.727 ng
RT: 19.741 min Scan# 2758
Delta R.T. -0.005 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06



Tgt Ion:202 Resp: 51057
Ion Ratio Lower Upper
202 100
101 6.6 0.0 26.2
203 18.2 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.014 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG057504.D

Acq: 22 May 2023 22:06

Instrument :

BNA_G

ClientSampleId :

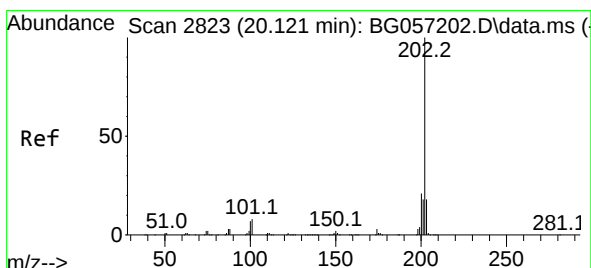
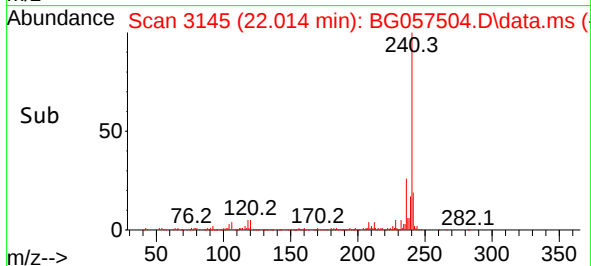
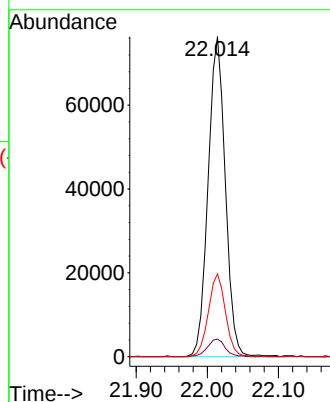
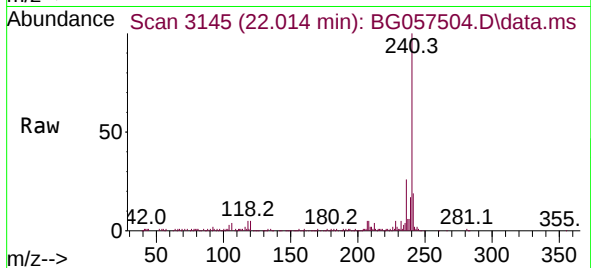
ETGI-289

Tgt Ion:240 Resp: 128562
 Ion Ratio Lower Upper
 240 100
 120 5.5 4.9 7.3
 236 25.9 21.4 32.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/23/2023
 Supervised By :Jagrut Upadhyay 05/23/2023



#78

Pyrene

Concen: 5.466 ng m

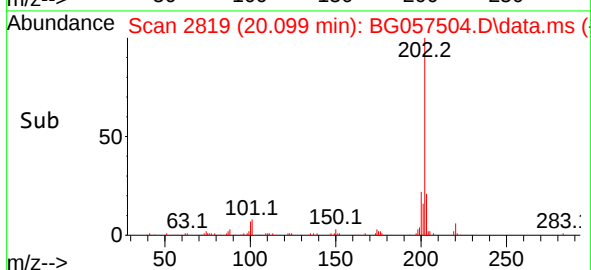
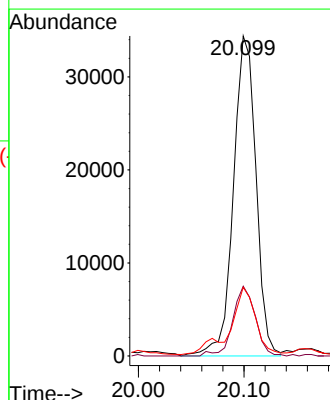
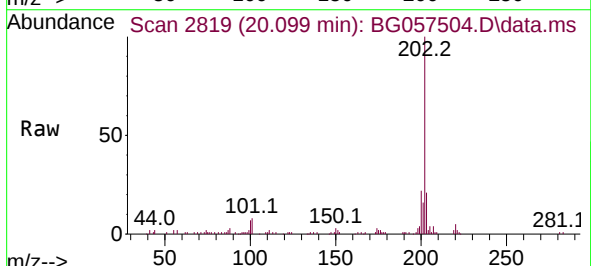
RT: 20.099 min Scan# 2819

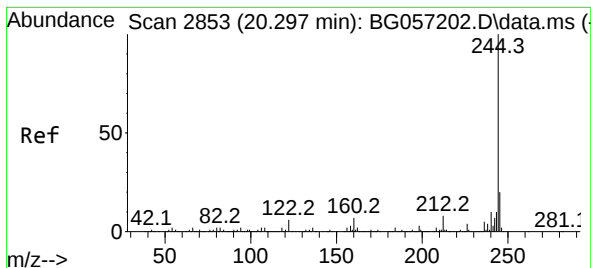
Delta R.T. -0.005 min

Lab File: BG057504.D

Acq: 22 May 2023 22:06

Tgt Ion:202 Resp: 51063
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.0 25.4
 203 21.4 14.2 21.4#





#79

Terphenyl-d14

Concen: 44.712 ng

RT: 20.275 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG057504.D

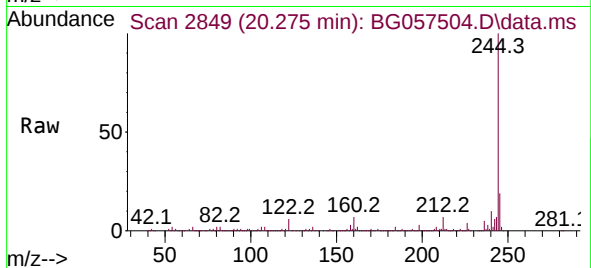
Acq: 22 May 2023 22:06

Instrument :

BNA_G

ClientSampleId :

ETGI-289



Tgt Ion:244 Resp: 35224

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

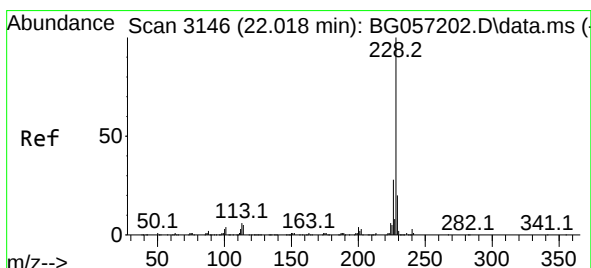
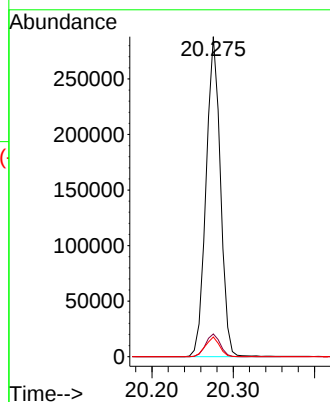
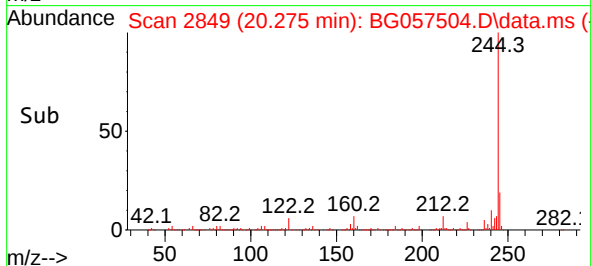
122 6.1 5.1 7.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/23/2023

Supervised By :Jagrut Upadhyay 05/23/2023



#81

Benzo(a)anthracene

Concen: 3.288 ng

RT: 21.991 min Scan# 3141

Delta R.T. -0.005 min

Lab File: BG057504.D

Acq: 22 May 2023 22:06

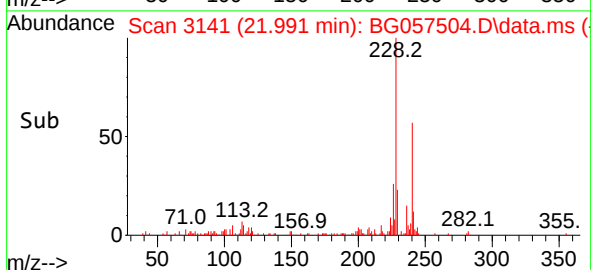
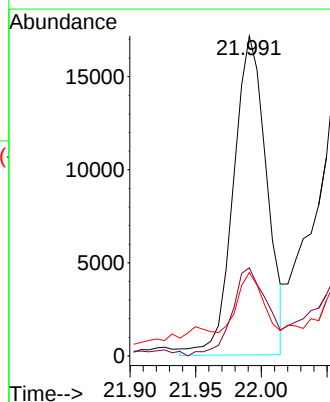
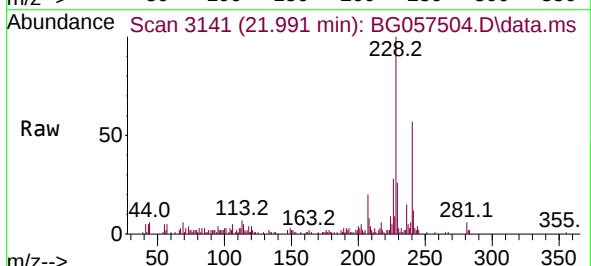
Tgt Ion:228 Resp: 30117

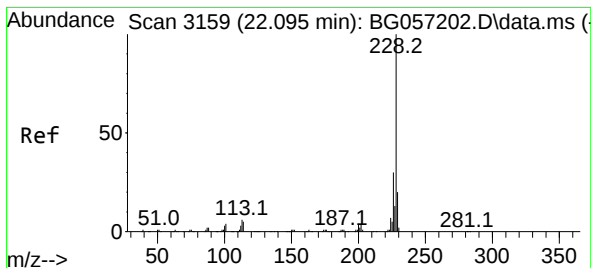
Ion Ratio Lower Upper

228 100

226 27.6 22.0 33.0

229 26.0 15.8 23.8#





#83

Chrysene

Concen: 4.603 ng m

RT: 22.061 min Scan# 3159

Delta R.T. -0.011 min

Lab File: BG057504.D

Acq: 22 May 2023 22:06

Instrument :

BNA_G

ClientSampleId :

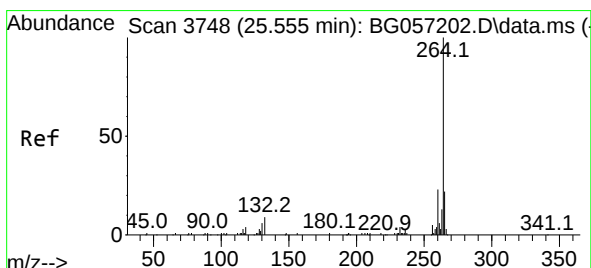
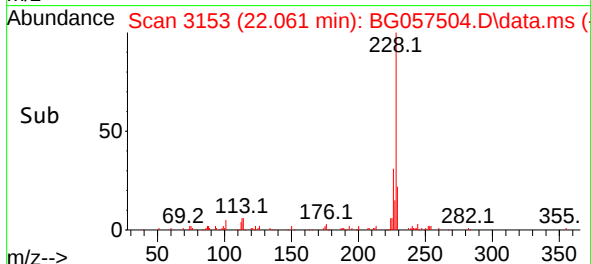
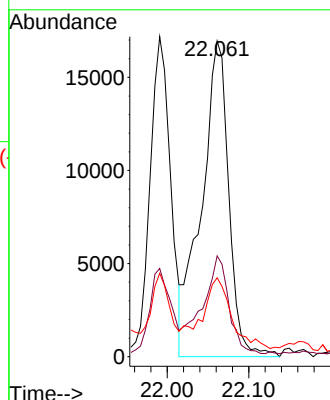
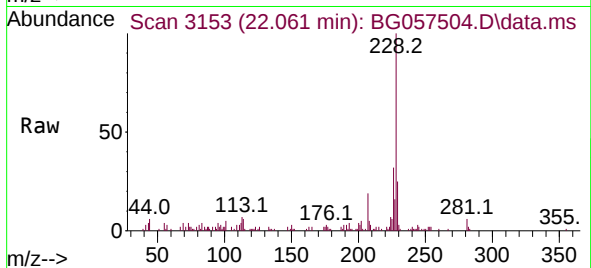
ETGI-289

Tgt Ion:228	Resp:	3966
Ion Ratio	Lower	Upper
228	100	
226	31.9	24.3 36.5
229	25.0	15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#86

Perylene-d12

Concen: 20.000 ng

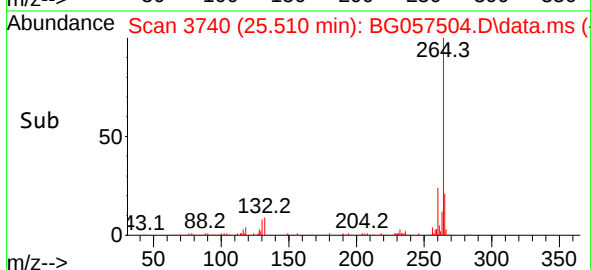
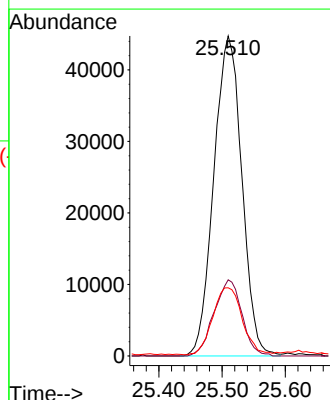
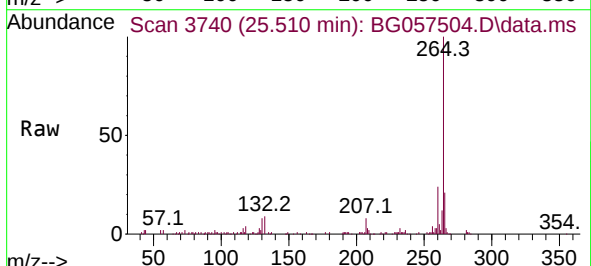
RT: 25.510 min Scan# 3740

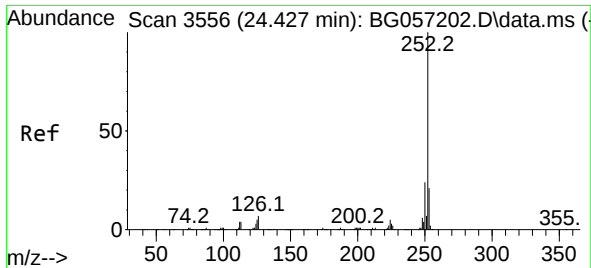
Delta R.T. -0.005 min

Lab File: BG057504.D

Acq: 22 May 2023 22:06

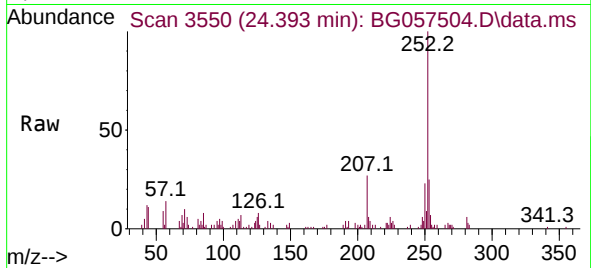
Tgt Ion:264	Resp:	138047
Ion Ratio	Lower	Upper
264	100	
260	23.8	18.8 28.2
265	21.3	17.9 26.9





#88
Benzo(b)fluoranthene
Concen: 4.694 ng
RT: 24.393 min Scan# 3111
Delta R.T. 0.001 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06

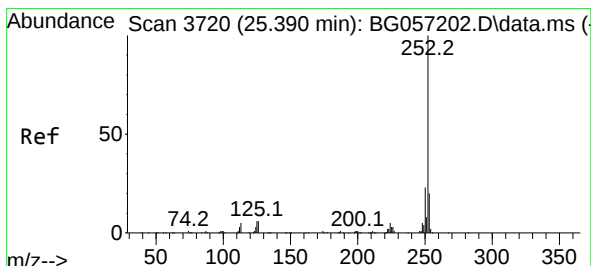
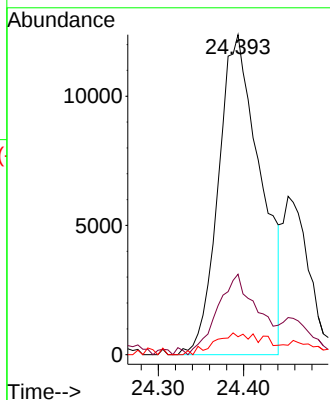
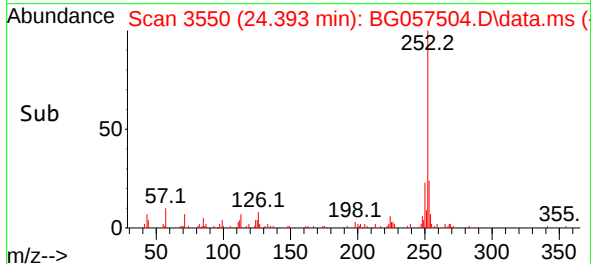
Instrument :
BNA_G
ClientSampleId :
ETGI-289



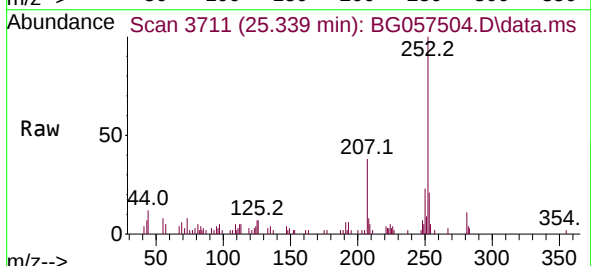
Tgt Ion:252 Resp: 4235
Ion Ratio Lower Upper
252 100
253 25.1 17.0 25.6
125 5.6 4.2 6.2

Manual Integrations
APPROVED

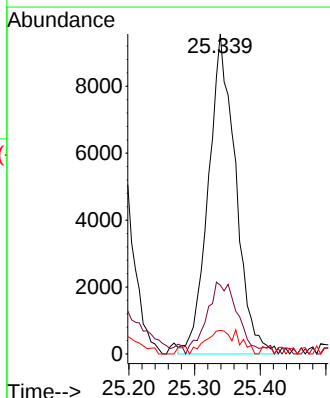
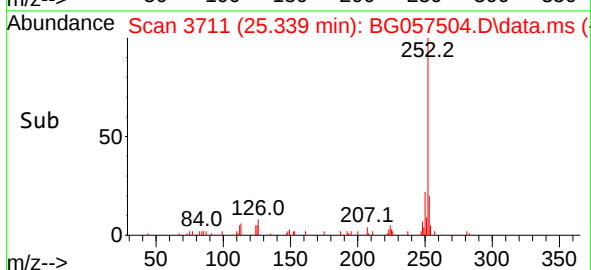
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

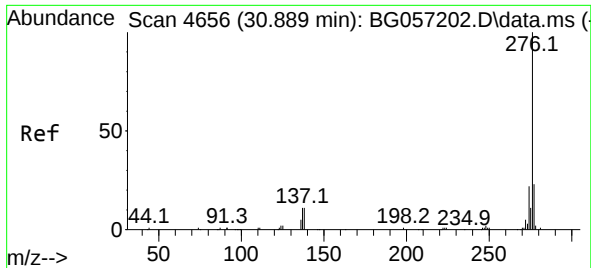


#90
Benzo(a)pyrene
Concen: 3.123 ng
RT: 25.339 min Scan# 3711
Delta R.T. -0.017 min
Lab File: BG057504.D
Acq: 22 May 2023 22:06



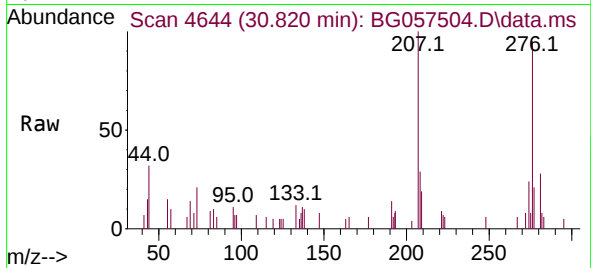
Tgt Ion:252 Resp: 27532
Ion Ratio Lower Upper
252 100
253 21.5 16.3 24.5
125 7.4 5.0 7.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.147 ng
 RT: 30.820 min Scan# 4644
 Delta R.T. -0.017 min
 Lab File: BG057504.D
 Acq: 22 May 2023 22:06

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-289



Tgt Ion: 276 Resp: 17568
 Ion Ratio Lower Upper
 276 100
 277 22.1 18.4 27.6
 138 10.5 9.0 13.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/23/2023
 Supervised By :Jagrut Upadhyay 05/23/2023

