

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
 Data File : BG057508.D
 Acq On : 23 May 2023 00:50
 Operator : CG/JU
 Sample : 02864-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-280

Manual Integrations
 APPROVED

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

Quant Time: May 23 04:09:22 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	8.358	152	22152	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	84898	20.000	ng	0.00
39) Acenaphthene-d10	14.967	164	58454	20.000	ng	0.00
64) Phenanthrene-d10	17.710	188	131127	20.000	ng	0.00
76) Chrysene-d12	22.016	240	120099	20.000	ng	0.00
86) Perylene-d12	25.517	264	131000	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	73883	57.054	ng	0.00
7) Phenol-d6	7.500	99	109681	55.776	ng	0.00
23) Nitrobenzene-d5	9.533	82	76649	37.893	ng	0.00
42) 2,4,6-Tribromophenol	16.453	330	43187	52.070	ng	0.00
45) 2-Fluorobiphenyl	13.592	172	175258	40.380	ng	0.00
79) Terphenyl-d14	20.277	244	270286	36.727	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.242	128	25789	5.682	ng	98
37) 2-Methylnaphthalene	12.822	142	18395	5.155	ng	95
38) 1-Methylnaphthalene	13.040	142	11658	3.466	ng	98
55) Dibenzofuran	15.360	168	13843	2.516	ng	98
71) Phenanthrene	17.751	178	127964	19.045	ng	100
72) Anthracene	17.839	178	29095	4.220	ng	96
75) Fluoranthene	19.742	202	139336	16.673	ng	97
78) Pyrene	20.101	202	111110	12.732	ng	98
81) Benzo(a)anthracene	21.992	228	51601	6.031	ng	95
83) Chrysene	22.063	228	66960	8.317	ng	96
87) Indeno(1,2,3-cd)pyrene	29.535	276	29694	3.110	ng	98
88) Benzo(b)fluoranthene	24.395	252	67644	7.899	ng	# 97
89) Benzo(k)fluoranthene	24.460	252	20016m	2.300	ng	
90) Benzo(a)pyrene	25.347	252	38121	4.557	ng	# 91
92) Benzo(g,h,i)perylene	30.816	276	27950	3.600	ng	# 95

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

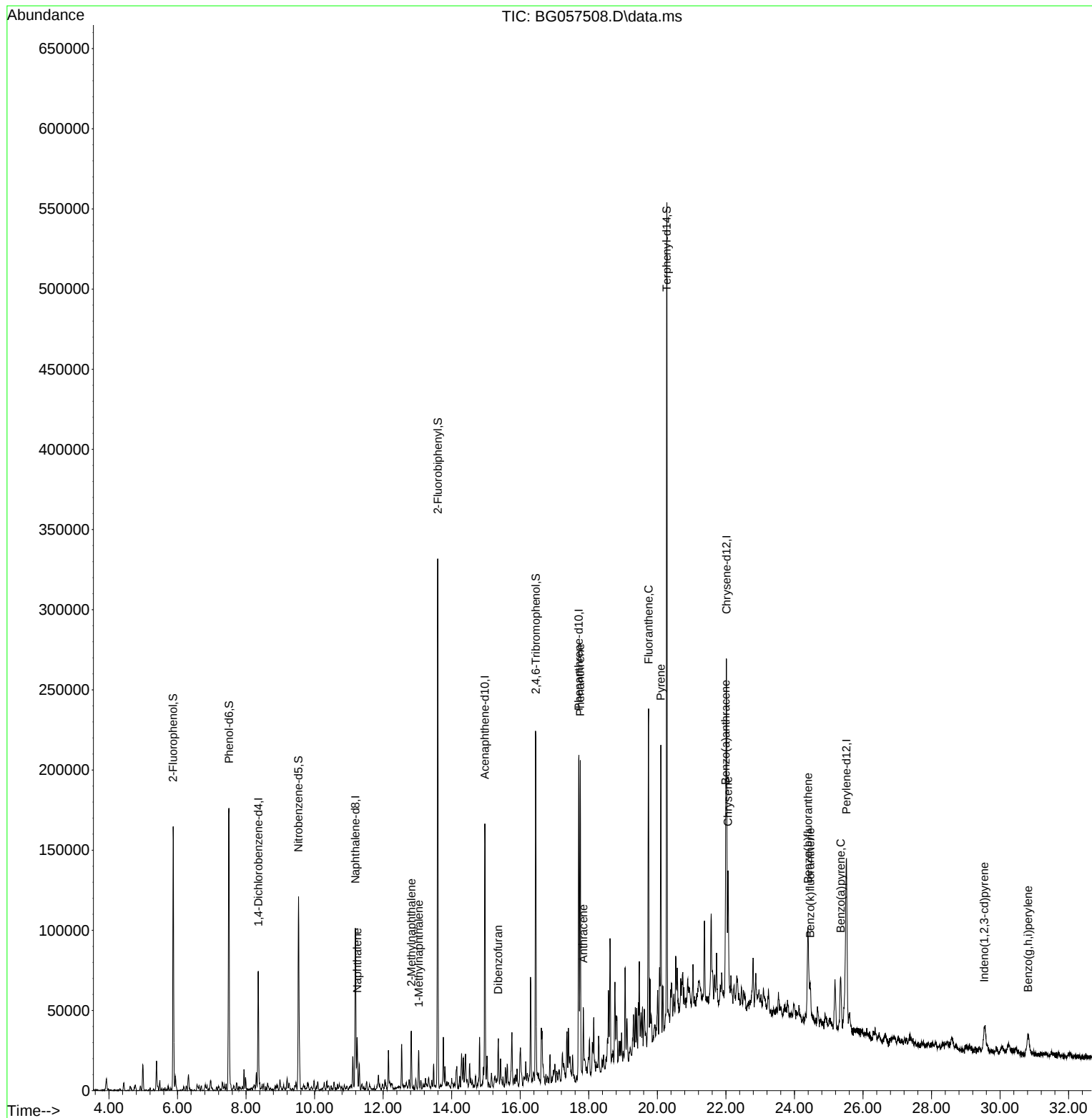
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052223\
Data File : BG057508.D
Acq On : 23 May 2023 00:50
Operator : CG/JU
Sample : 02864-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

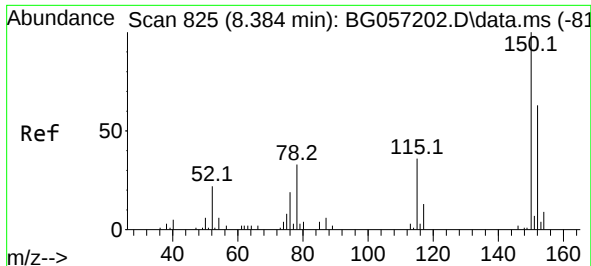
Instrument :
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Quant Time: May 23 04:09:22 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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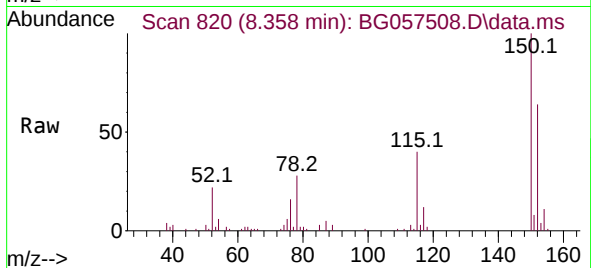
Reviewed By : Christian Giraldo 05/23/2023
Supervised By : Jagrut Upadhyay 05/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.358 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

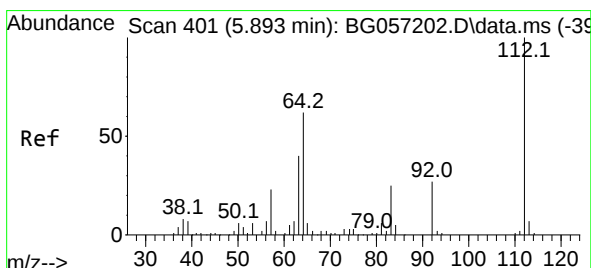
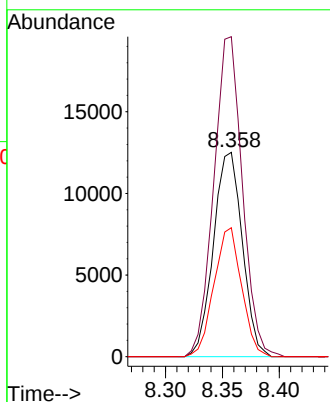
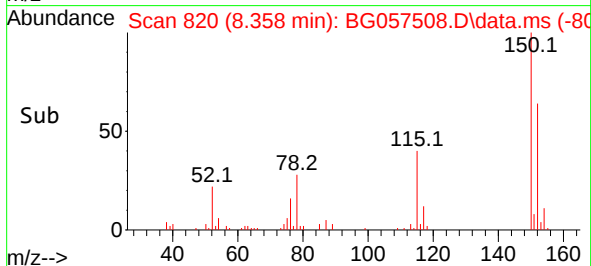
Instrument :
BNA_G
ClientSampleId :
ETGI-280



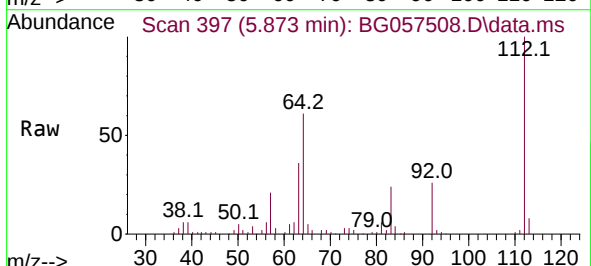
Tgt Ion:152 Resp: 2215
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.4
115 63.1 45.0 67.4

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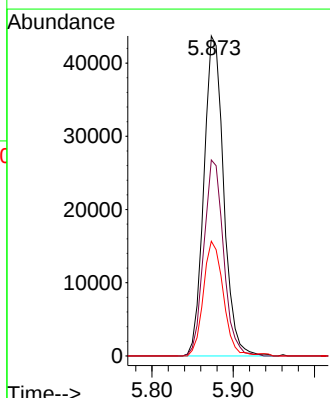
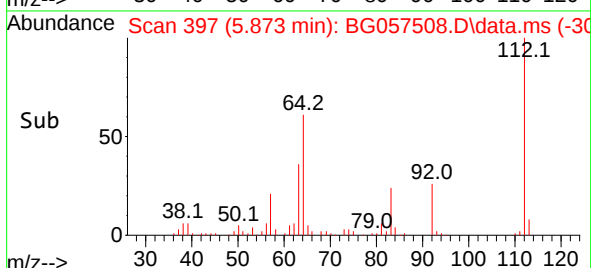
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

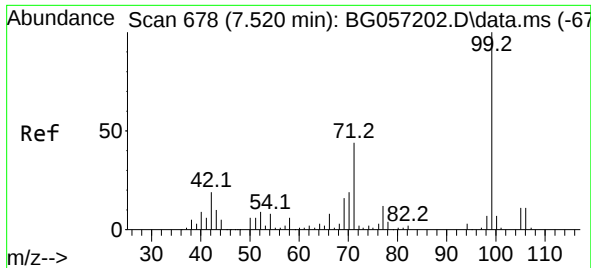


#5
2-Fluorophenol
Concen: 57.054 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.002 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50



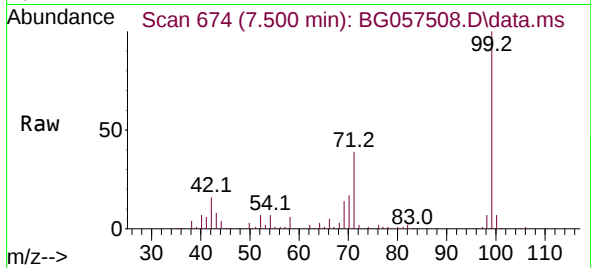
Tgt Ion:112 Resp: 73883
Ion Ratio Lower Upper
112 100
64 61.2 49.4 74.2
63 35.9 31.6 47.4





#7
Phenol-d6
Concen: 55.776 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

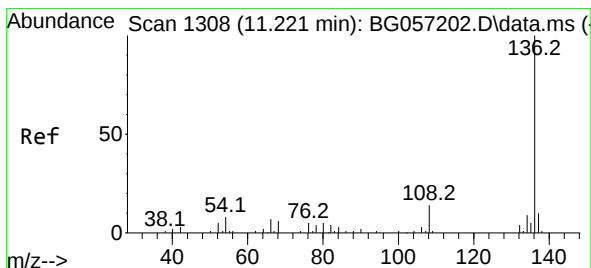
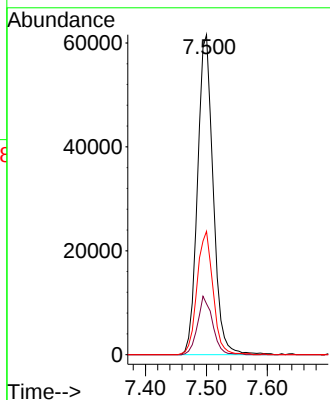
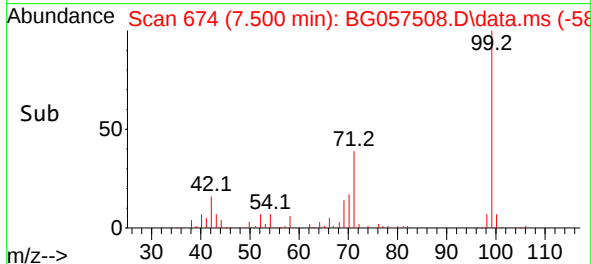
Instrument :
BNA_G
ClientSampleId :
ETGI-280



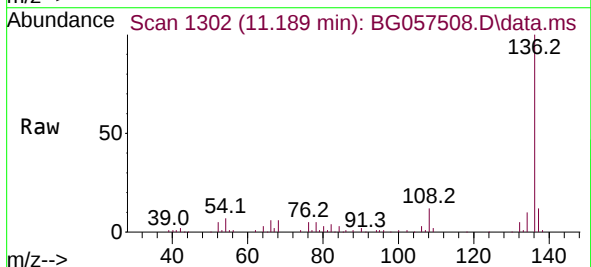
Tgt Ion: 99 Resp: 10968
Ion Ratio Lower Upper
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42 15.9 15.1 22.7
71 38.6 35.2 52.8

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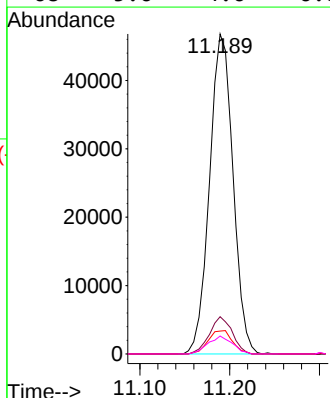
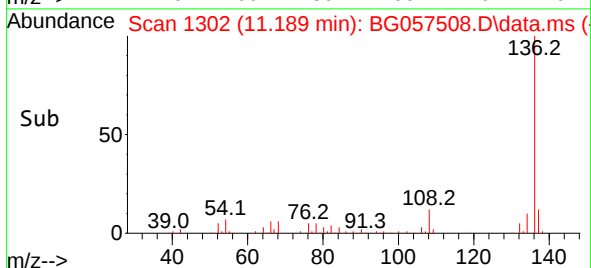
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

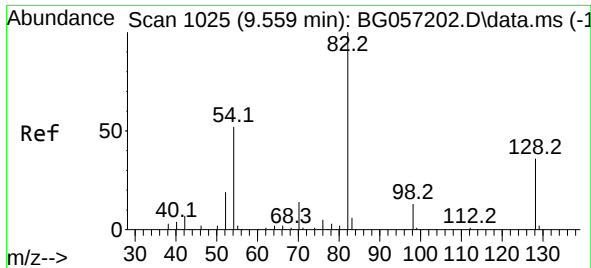


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.189 min Scan# 1302
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50



Tgt Ion:136 Resp: 84898
Ion Ratio Lower Upper
136 100
137 11.6 8.3 12.5
54 7.2 6.7 10.1
68 5.6 4.6 6.8





#23
Nitrobenzene-d5
Concen: 37.893 ng
RT: 9.533 min Scan# 1020
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

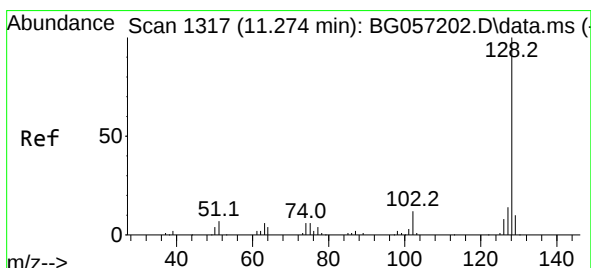
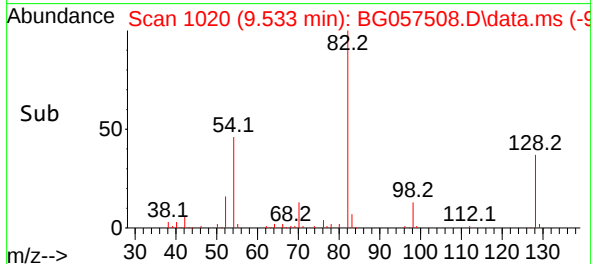
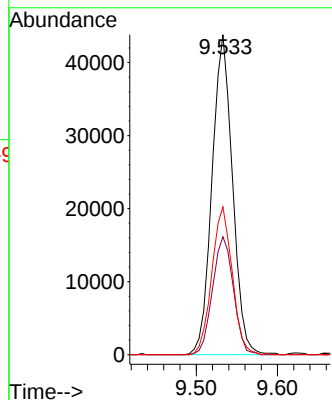
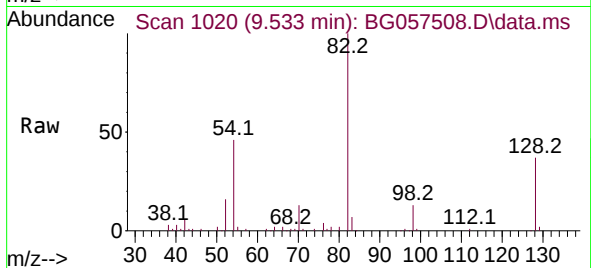
ETGI-280

Tgt Ion: 82 Resp: 76649
Ion Ratio Lower Upper
82 100
128 36.9 29.0 43.4
54 46.2 41.4 62.0

Manual Integrations

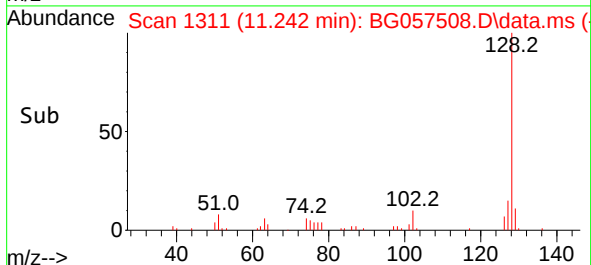
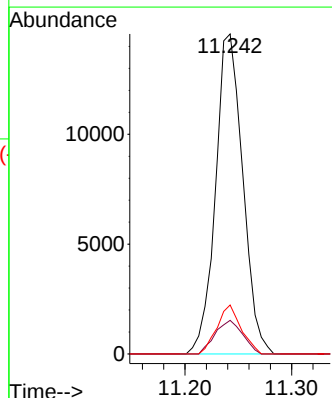
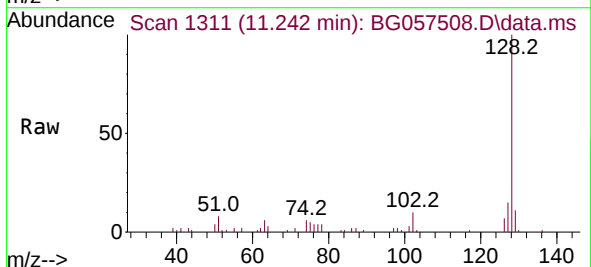
APPROVED

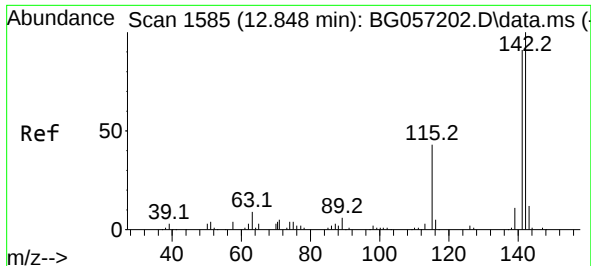
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#31
Naphthalene
Concen: 5.682 ng
RT: 11.242 min Scan# 1311
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:128 Resp: 25789
Ion Ratio Lower Upper
128 100
129 10.5 8.3 12.5
127 15.3 11.1 16.7





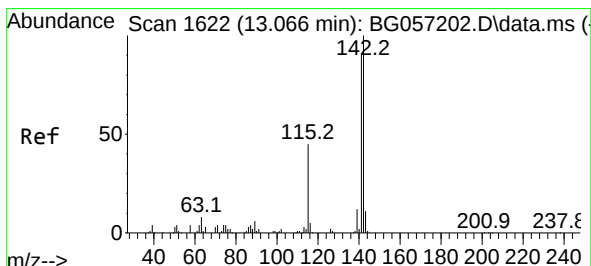
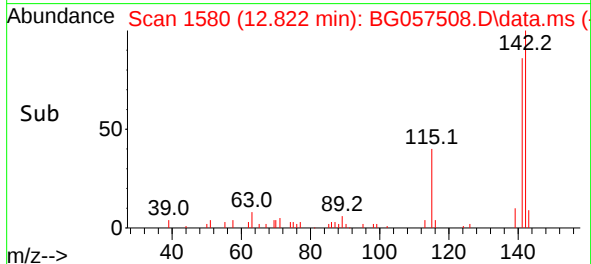
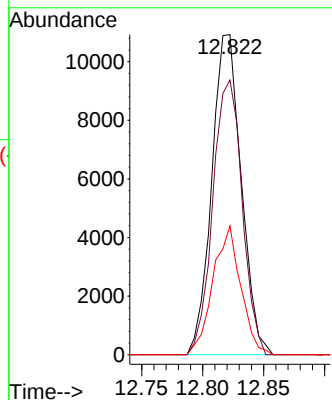
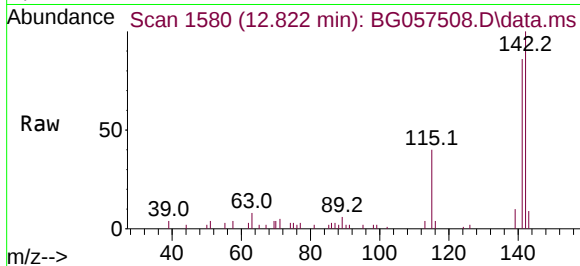
#37
2-Methylnaphthalene
Concen: 5.155 ng
RT: 12.822 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Instrument :
BNA_G
ClientSampleId :
ETGI-280

Tgt Ion:142 Resp: 1839
Ion Ratio Lower Upper
142 100
141 85.9 73.1 109.7
115 40.2 34.6 52.0

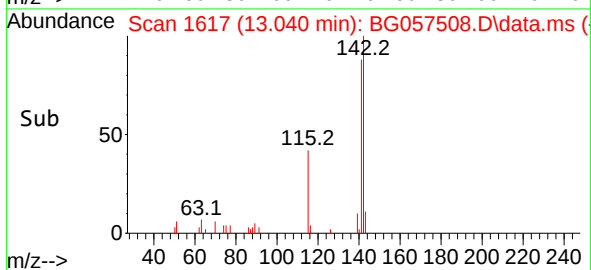
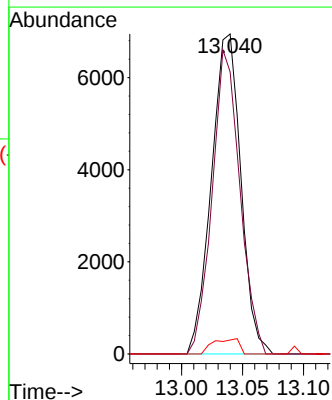
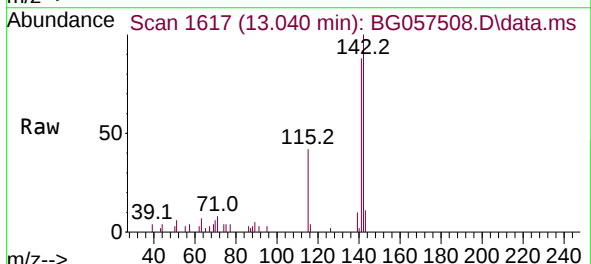
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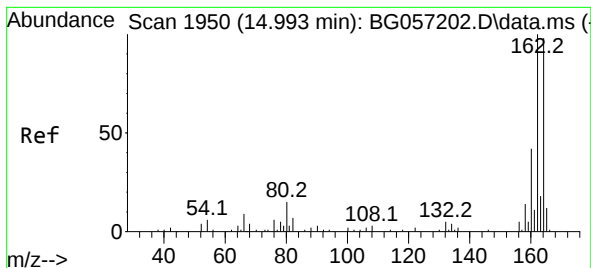
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#38
1-Methylnaphthalene
Concen: 3.466 ng
RT: 13.040 min Scan# 1617
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

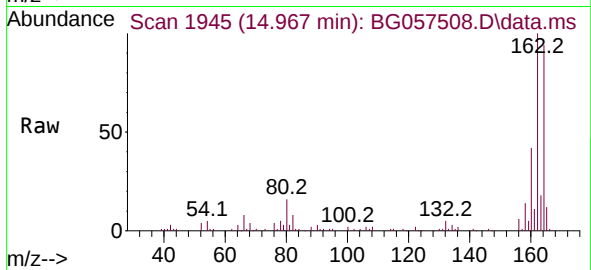
Tgt Ion:142 Resp: 11658
Ion Ratio Lower Upper
142 100
141 88.2 72.5 108.7
116 4.3 3.7 5.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.967 min Scan# 1945
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

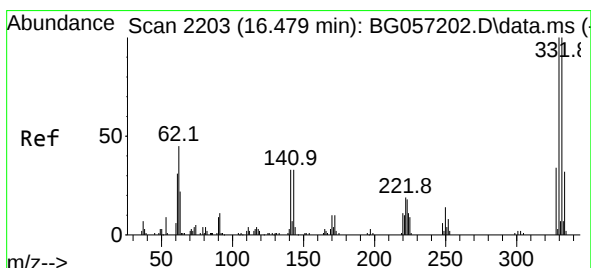
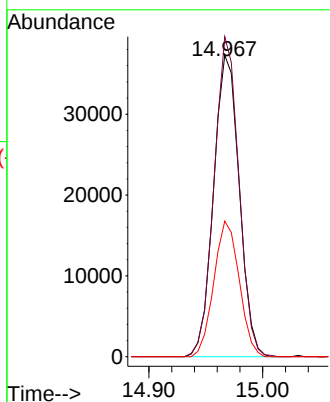
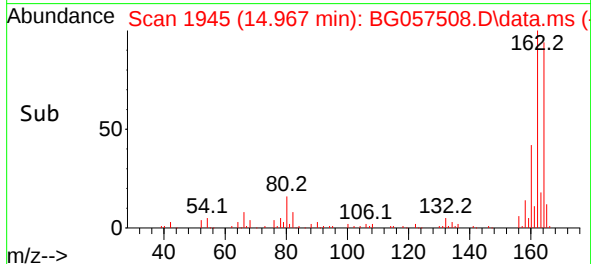
Instrument :
BNA_G
ClientSampleId :
ETGI-280



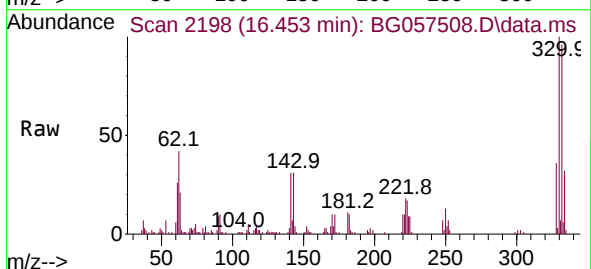
Tgt Ion:164 Resp: 58454
Ion Ratio Lower Upper
164 100
162 106.2 81.8 122.6
160 45.0 34.6 52.0

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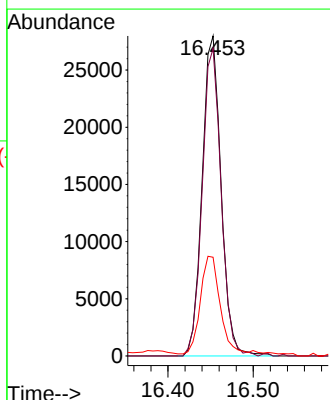
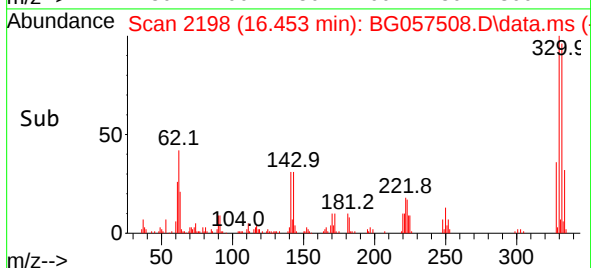
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

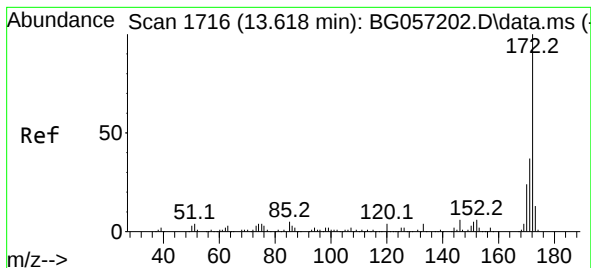


#42
2,4,6-Tribromophenol
Concen: 52.070 ng
RT: 16.453 min Scan# 2198
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50



Tgt Ion:330 Resp: 43187
Ion Ratio Lower Upper
330 100
332 95.9 78.2 117.2
141 31.6 27.8 41.8





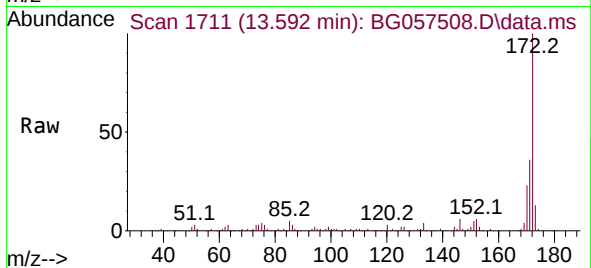
#45
2-Fluorobiphenyl
Concen: 40.380 ng
RT: 13.592 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

ETGI-280

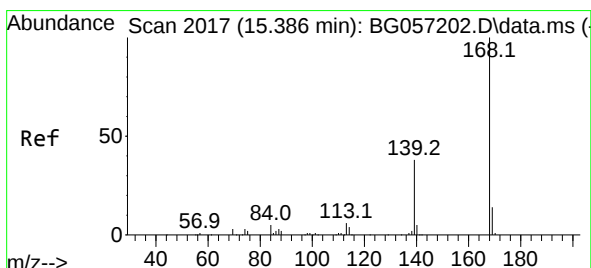
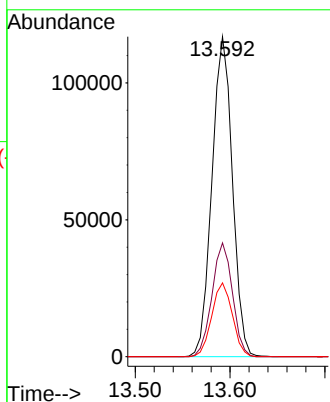
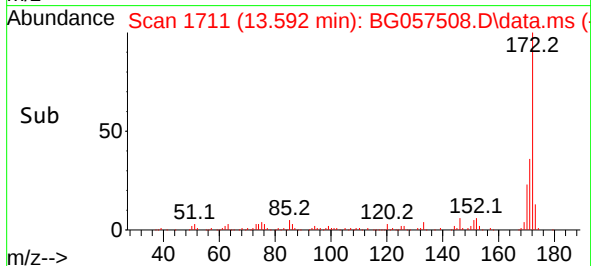


Tgt Ion:172 Resp: 175258
Ion Ratio Lower Upper
172 100
171 35.5 29.4 44.0
170 23.1 19.0 28.6

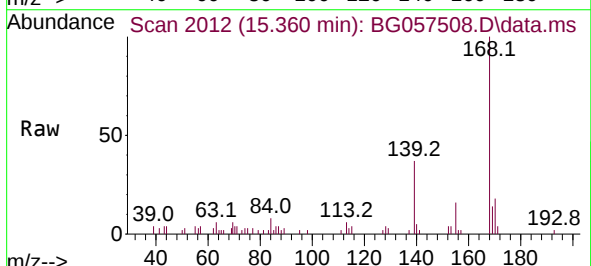
Manual Integrations

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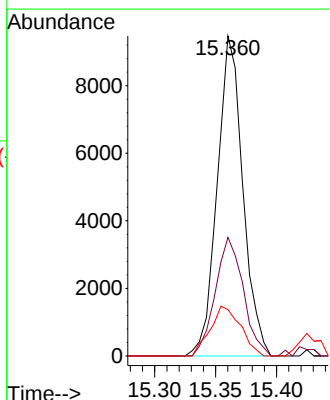
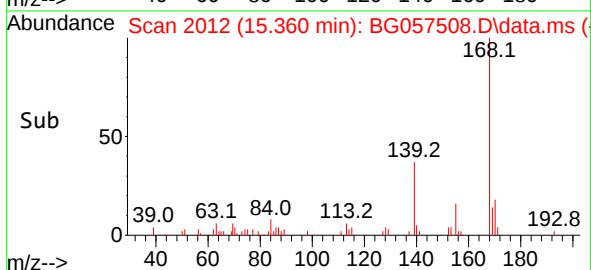
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

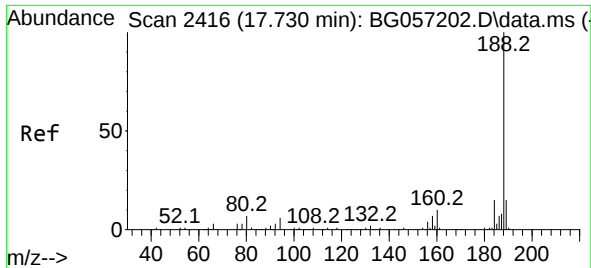


#55
Dibenzofuran
Concen: 2.516 ng
RT: 15.360 min Scan# 2012
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50



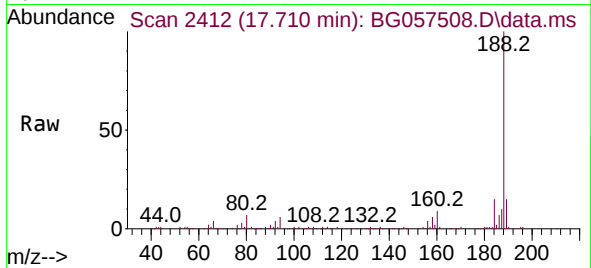
Tgt Ion:168 Resp: 13843
Ion Ratio Lower Upper
168 100
139 37.1 30.7 46.1
169 14.5 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.710 min Scan# 2416
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

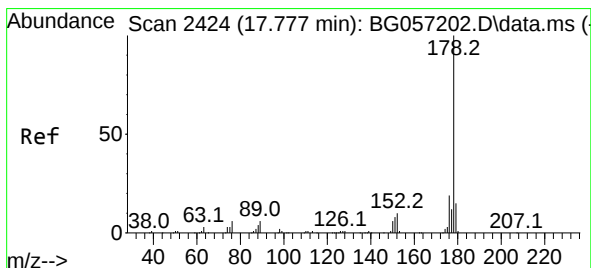
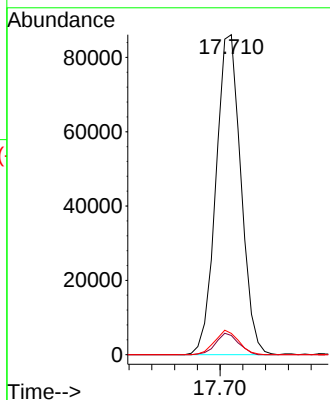
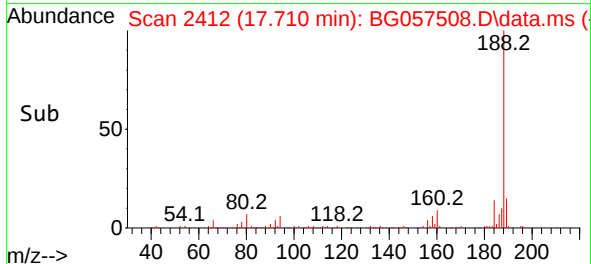
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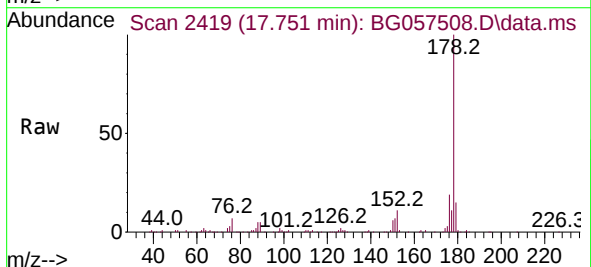
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Ion Ratio Lower Upper
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80 6.7 5.7 8.5

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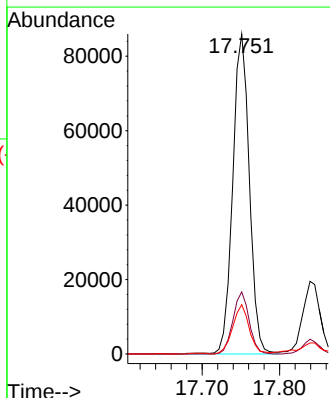
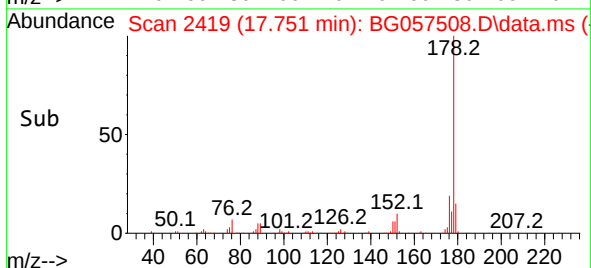
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023

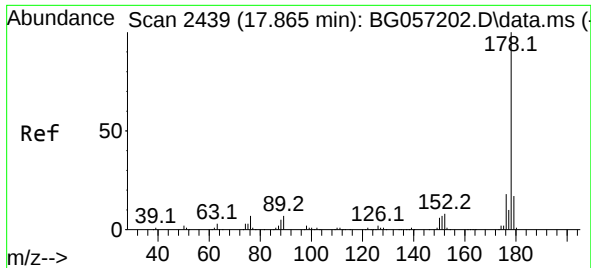


#71
Phenanthrene
Concen: 19.045 ng
RT: 17.751 min Scan# 2419
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50



Tgt Ion:178 Resp: 127964
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.4 12.3 18.5





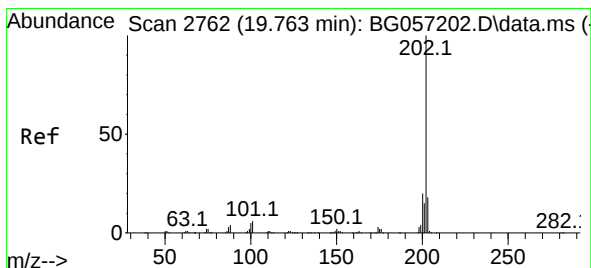
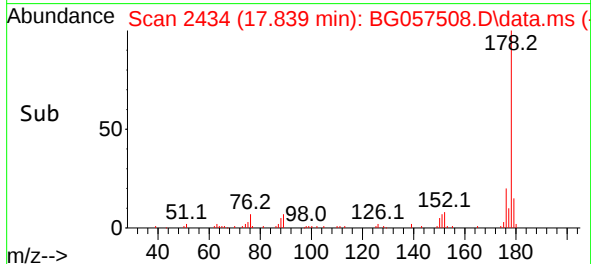
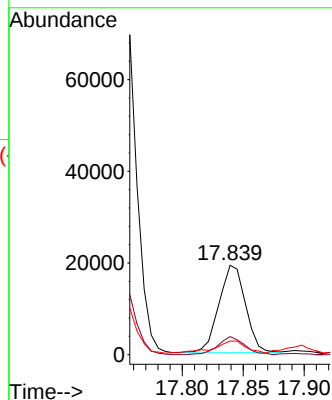
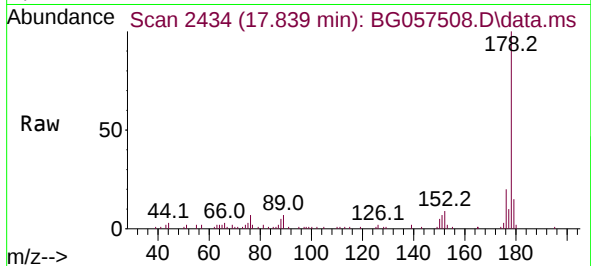
#72
 Anthracene
 Concen: 4.220 ng
 RT: 17.839 min Scan# 2439
 Delta R.T. -0.010 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-280

Tgt Ion:178 Resp: 29095
 Ion Ratio Lower Upper
 178 100
 176 20.3 14.7 22.1
 179 15.2 13.2 19.8

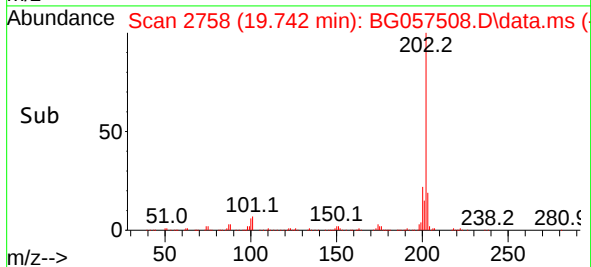
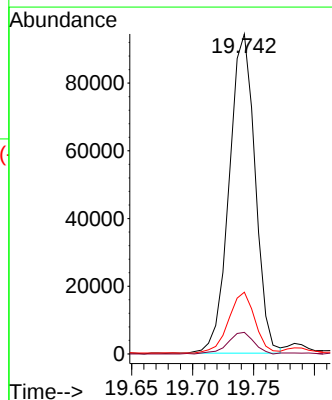
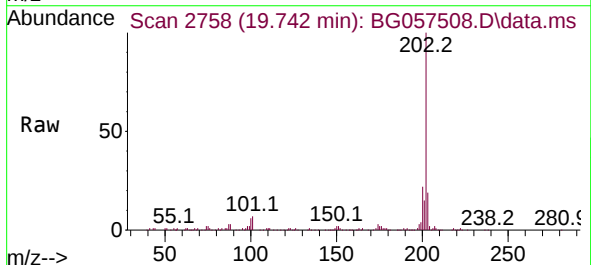
Manual Integrations
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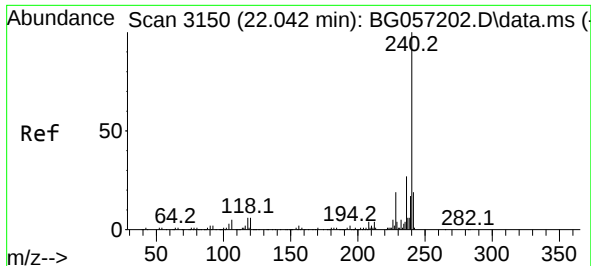
Reviewed By :Christian Giraldo 05/23/2023
 Supervised By :Jagrut Upadhyay 05/23/2023



#75
 Fluoranthene
 Concen: 16.673 ng
 RT: 19.742 min Scan# 2758
 Delta R.T. -0.004 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

Tgt Ion:202 Resp: 139336
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 26.2
 203 19.3 0.0 37.9





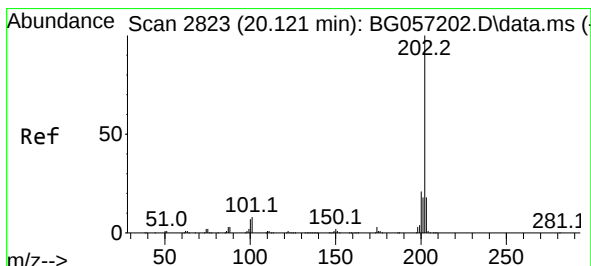
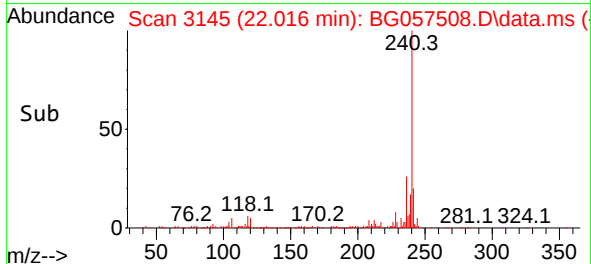
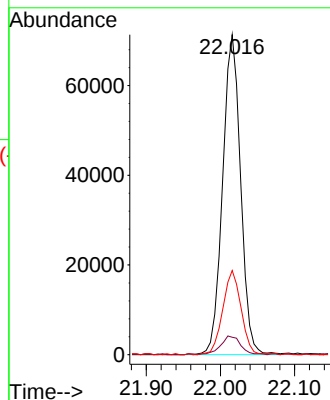
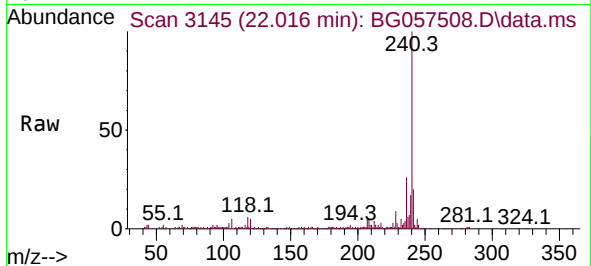
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.016 min Scan# 3150
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Instrument :
BNA_G
ClientSampleId :
ETGI-280

Tgt Ion:240 Resp: 120095
Ion Ratio Lower Upper
240 100
120 5.4 4.9 7.3
236 26.3 21.4 32.2

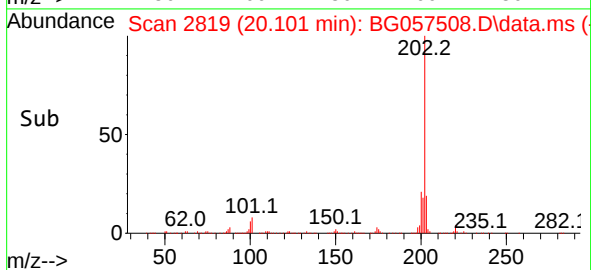
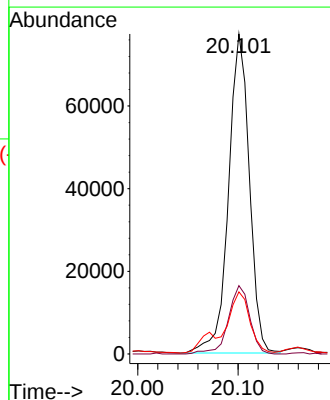
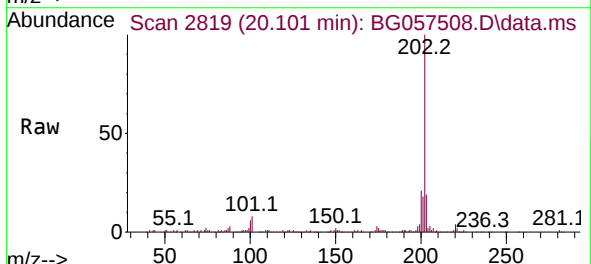
Manual Integrations
APPROVED

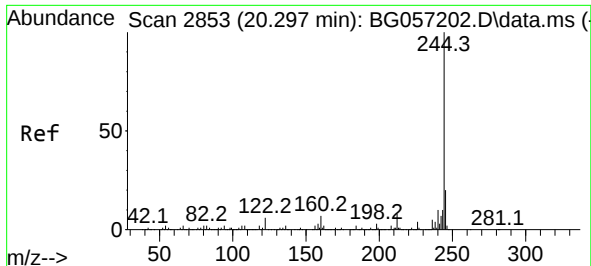
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#78
Pyrene
Concen: 12.732 ng
RT: 20.101 min Scan# 2819
Delta R.T. -0.004 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

Tgt Ion:202 Resp: 111110
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 19.4 14.2 21.4





#79
 Terphenyl-d14
 Concen: 36.727 ng
 RT: 20.277 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

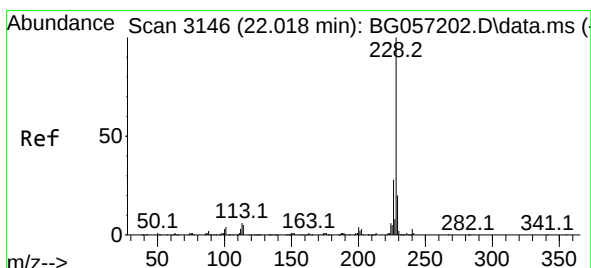
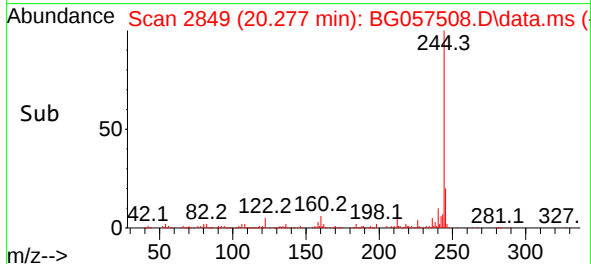
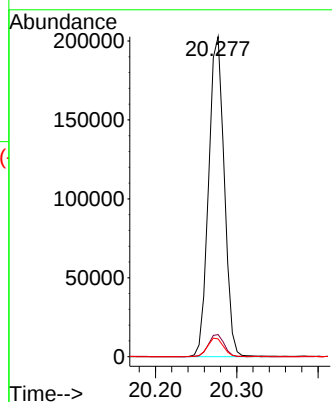
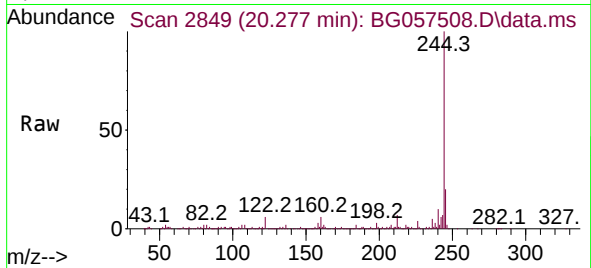
ETGI-280

Tgt Ion:244 Resp: 270280
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 5.6 5.1 7.7

Manual Integrations

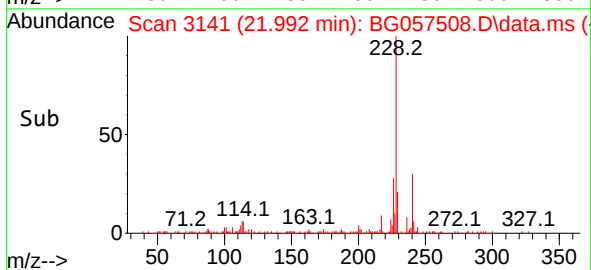
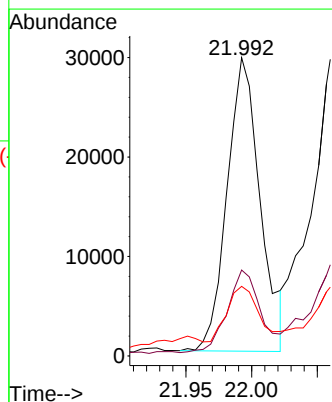
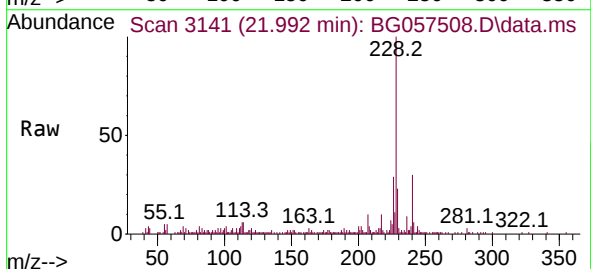
APPROVED

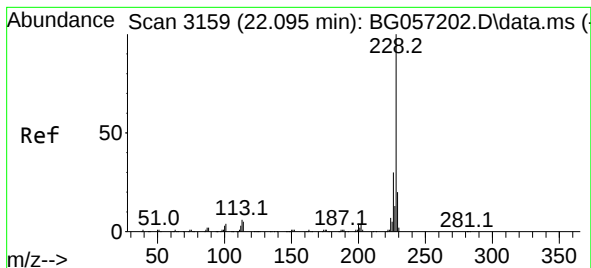
Reviewed By :Christian Giraldo 05/23/2023
 Supervised By :Jagrut Upadhyay 05/23/2023



#81
 Benzo(a)anthracene
 Concen: 6.031 ng
 RT: 21.992 min Scan# 3141
 Delta R.T. -0.004 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

Tgt Ion:228 Resp: 51601
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.0 33.0
 229 23.3 15.8 23.8





#83

Chrysene

Concen: 8.317 ng

RT: 22.063 min Scan# 3159

Delta R.T. -0.010 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

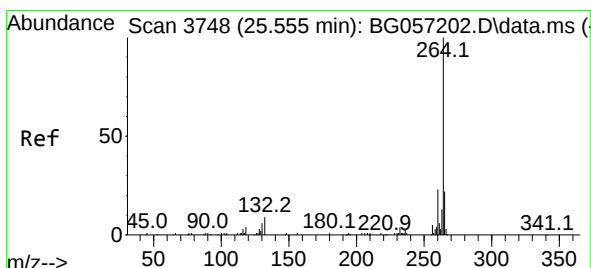
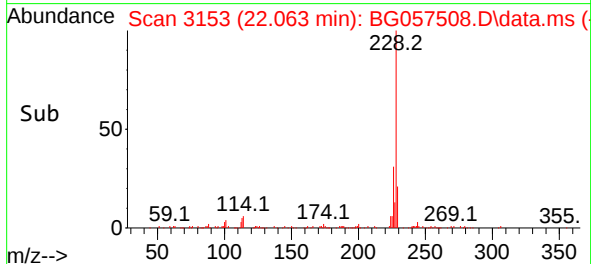
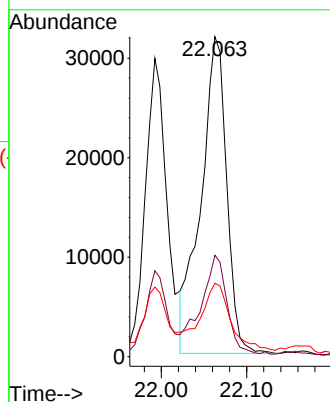
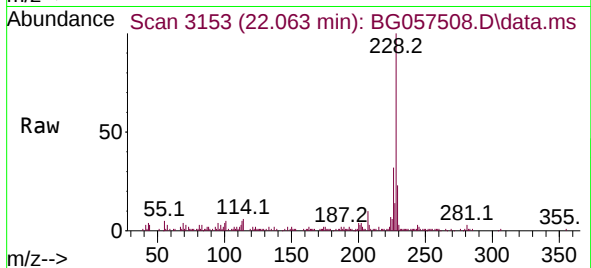
ETGI-280

Tgt Ion:228	Resp: 66960
Ion Ratio	Lower Upper
228 100	
226 31.7	24.3 36.5
229 22.9	15.9 23.9

Manual Integrations

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



#86

Perylene-d12

Concen: 20.000 ng

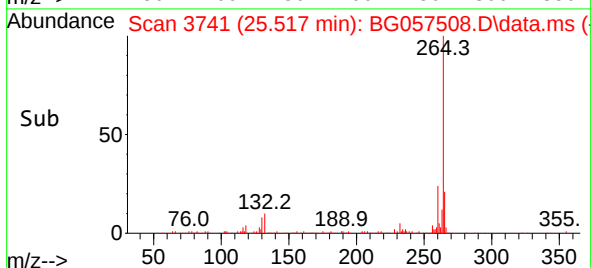
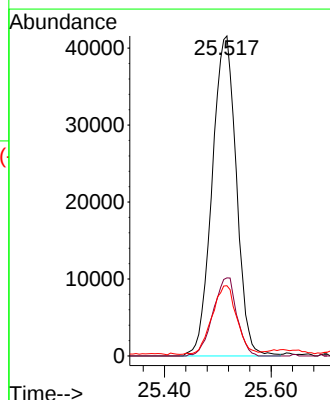
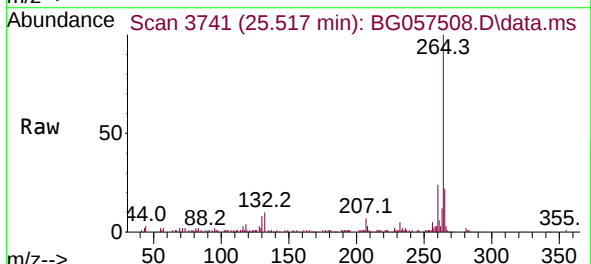
RT: 25.517 min Scan# 3741

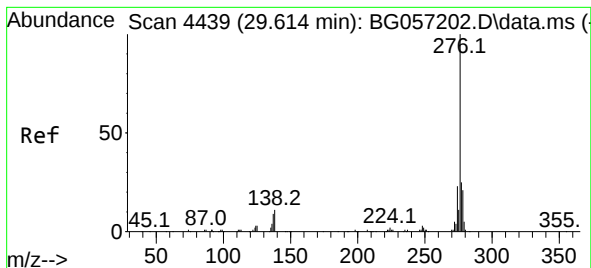
Delta R.T. 0.002 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

Tgt Ion:264	Resp: 131000
Ion Ratio	Lower Upper
264 100	
260 24.4	18.8 28.2
265 22.0	17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.110 ng

RT: 29.535 min Scan# 4439

Delta R.T. -0.027 min

Lab File: BG057508.D

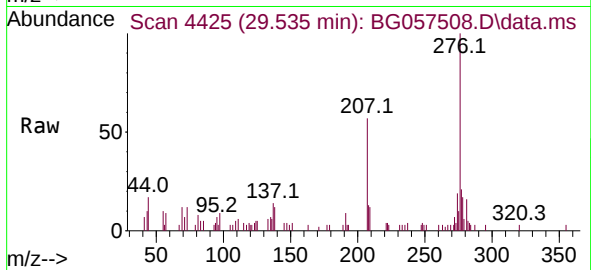
Acq: 23 May 2023 00:50

Instrument :

BNA_G

ClientSampleId :

ETGI-280

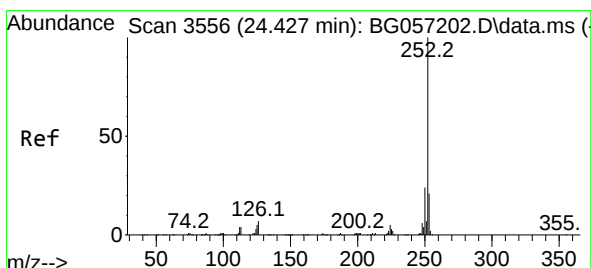
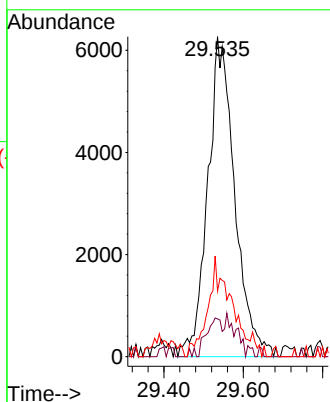
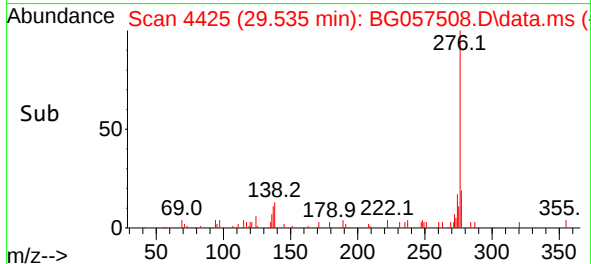


Tgt Ion:	276	Resp:	29694
Ion Ratio	Lower	Upper	
276	100		
138	6.7	5.4	8.0
277	26.7	20.6	30.8

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 7.899 ng

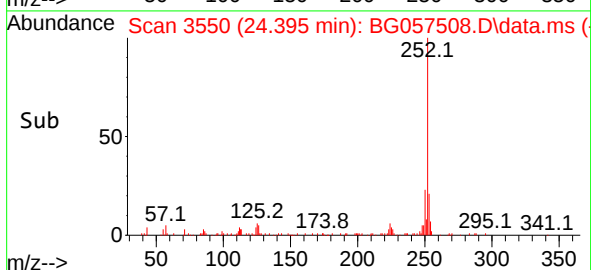
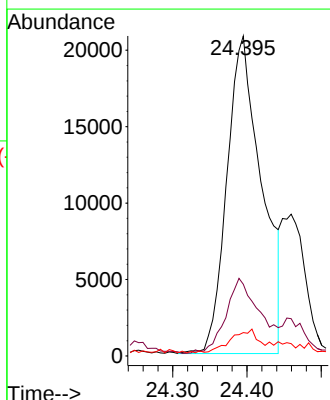
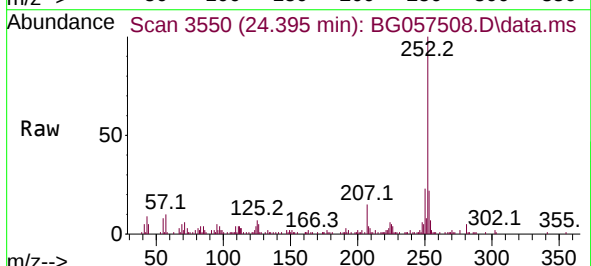
RT: 24.395 min Scan# 3550

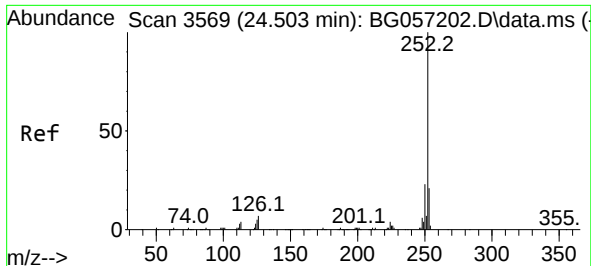
Delta R.T. 0.002 min

Lab File: BG057508.D

Acq: 23 May 2023 00:50

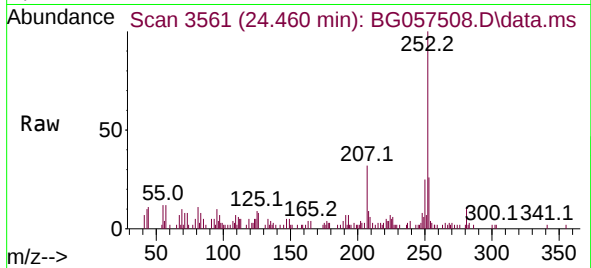
Tgt Ion:	252	Resp:	67644
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.0	25.6
125	7.3	4.2	6.2





#89
Benzo(k)fluoranthene
Concen: 2.300 ng m
RT: 24.460 min Scan# 3569
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

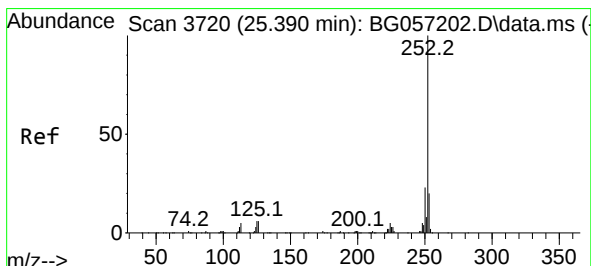
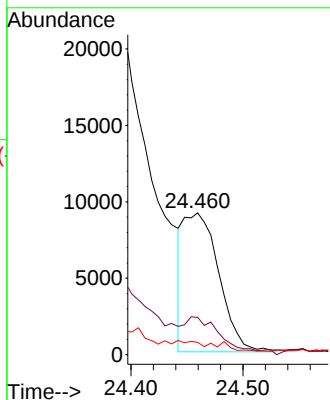
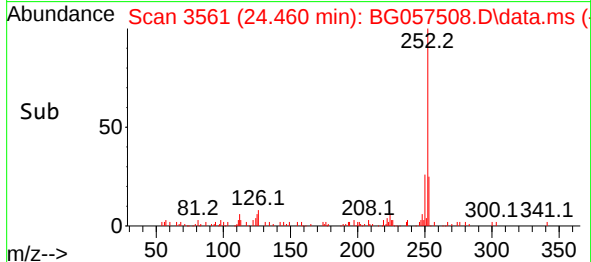
Instrument :
BNA_G
ClientSampleId :
ETGI-280



Tgt Ion:252 Resp: 20010
Ion Ratio Lower Upper
252 100
253 26.3 17.4 26.0
125 8.7 4.1 6.1

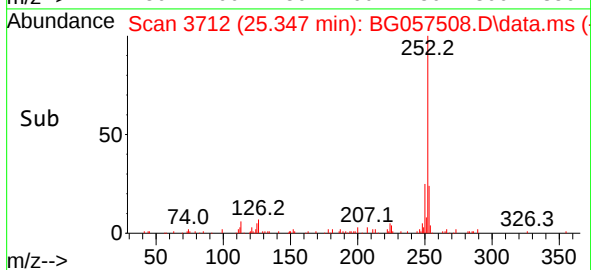
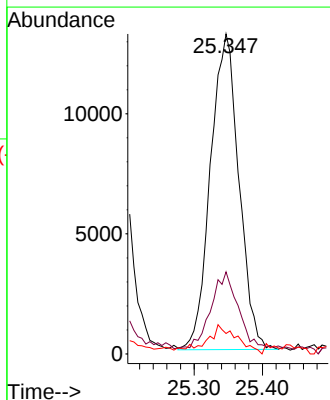
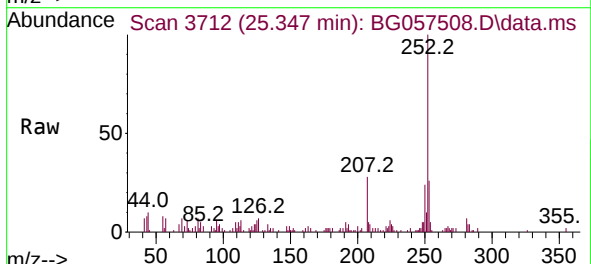
Manual Integrations
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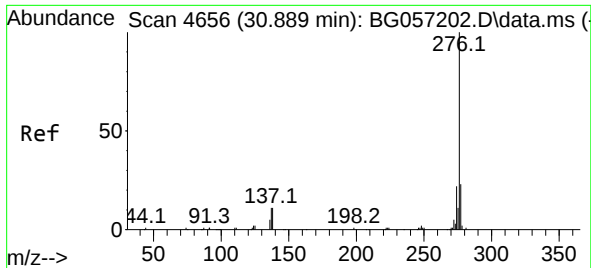
Reviewed By :Christian Giraldo 05/23/2023
Supervised By :Jagrut Upadhyay 05/23/2023



#90
Benzo(a)pyrene
Concen: 4.557 ng
RT: 25.347 min Scan# 3712
Delta R.T. -0.010 min
Lab File: BG057508.D
Acq: 23 May 2023 00:50

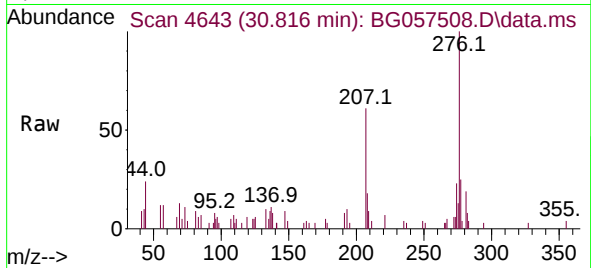
Tgt Ion:252 Resp: 38121
Ion Ratio Lower Upper
252 100
253 25.6 16.3 24.5
125 6.4 5.0 7.4





#92
 Benzo(g,h,i)perylene
 Concen: 3.600 ng
 RT: 30.816 min Scan# 4643
 Delta R.T. -0.021 min
 Lab File: BG057508.D
 Acq: 23 May 2023 00:50

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-280



Tgt Ion: 276 Resp: 27950

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.4	27.6
138	7.9	9.0	13.4

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

