

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057573.D
 Acq On : 26 May 2023 1:24
 Operator : CG/JU
 Sample : 02935-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/26/2023
 Supervised By : Jagrut Upadhyay 05/26/2023

Quant Time: May 26 03:03:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 02:58:05 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.352	152	26106	20.000	ng	0.00
21) Naphthalene-d8	11.189	136	104719	20.000	ng	0.00
39) Acenaphthene-d10	14.967	164	71309	20.000	ng	0.00
64) Phenanthrene-d10	17.704	188	156514	20.000	ng	0.00
76) Chrysene-d12	22.016	240	133716	20.000	ng	0.00
86) Perylene-d12	25.517	264	146642	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	141409	92.659	ng	0.00
7) Phenol-d6	7.500	99	211753	91.372	ng	0.00
23) Nitrobenzene-d5	9.533	82	136306	54.631	ng	0.00
42) 2,4,6-Tribromophenol	16.453	330	90832	89.773	ng	0.00
45) 2-Fluorobiphenyl	13.592	172	318679	60.188	ng	0.00
79) Terphenyl-d14	20.277	244	474602	57.922	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.751	178	52110	6.497	ng	98
75) Fluoranthene	19.742	202	124258	12.457	ng	98
78) Pyrene	20.101	202	109318	11.251	ng	99
81) Benzo(a)anthracene	21.992	228	63207	6.635	ng	97
83) Chrysene	22.063	228	61389	6.849	ng	97
87) Indeno(1,2,3-cd)pyrene	29.570	276	35734m	3.344	ng	
88) Benzo(b)fluoranthene	24.395	252	86257	8.998	ng	# 93
89) Benzo(k)fluoranthene	24.460	252	32264m	3.312	ng	
90) Benzo(a)pyrene	25.347	252	56393	6.022	ng	# 92
92) Benzo(g,h,i)perylene	30.833	276	31624	3.639	ng	# 97

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

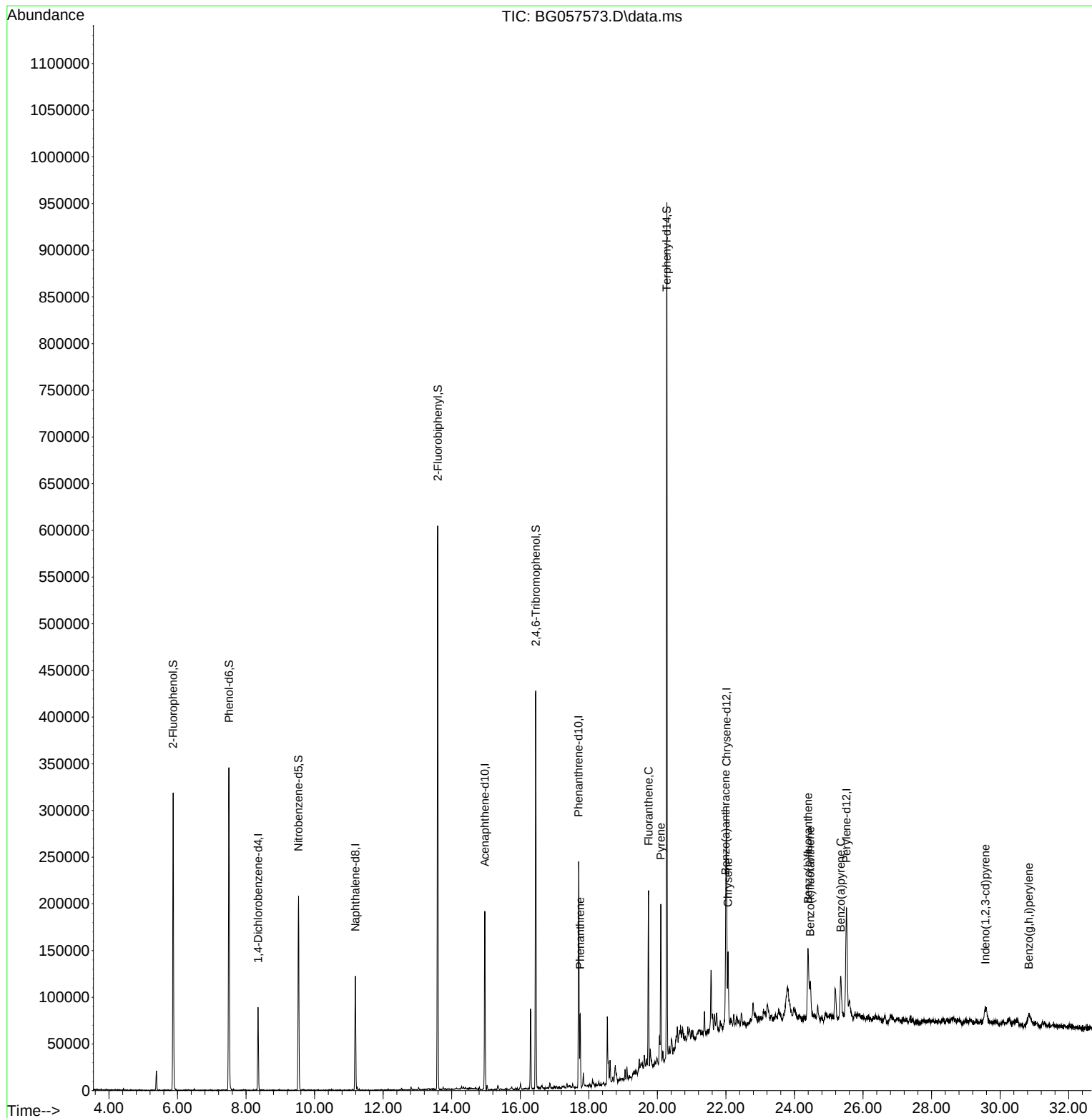
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057573.D
Acq On : 26 May 2023 1:24
Operator : CG/JU
Sample : 02935-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

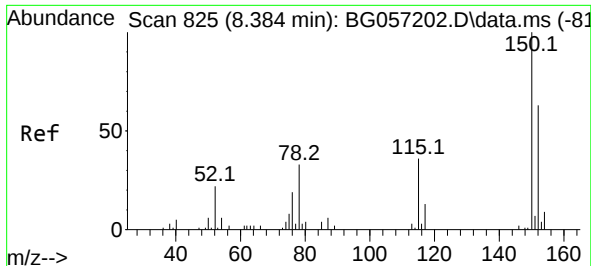
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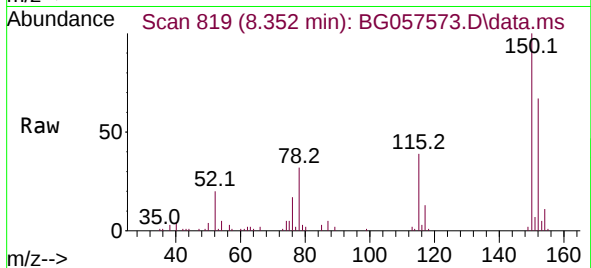
Reviewed By : Christian Giraldo 05/26/2023
Supervised By : Jagrut Upadhyay 05/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.352 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

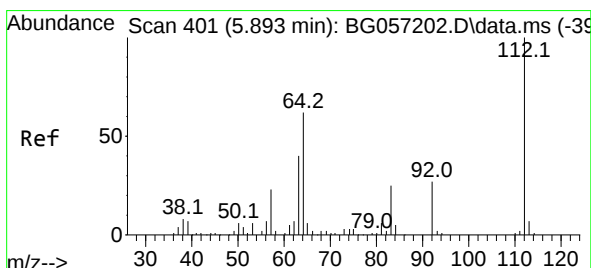
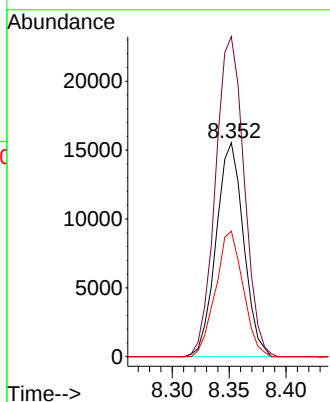
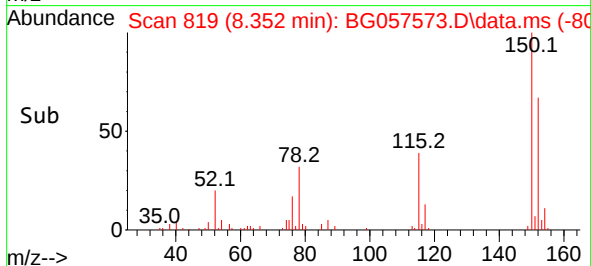
Instrument :
BNA_G
ClientSampleId :
ETGI-346



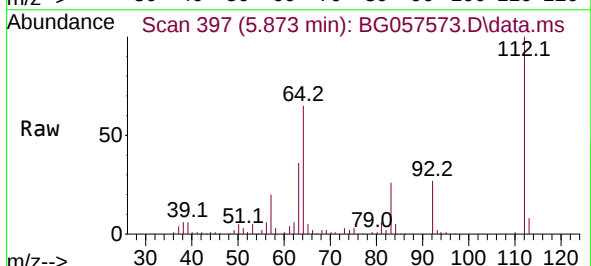
Tgt Ion:152 Resp: 26100
Ion Ratio Lower Upper
152 100
150 149.5 126.2 189.4
115 58.7 45.0 67.4

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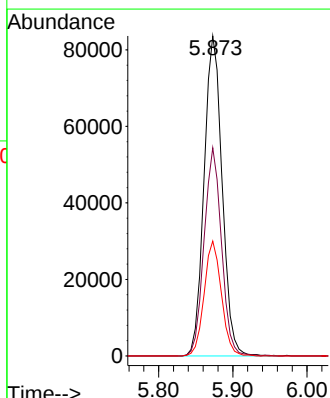
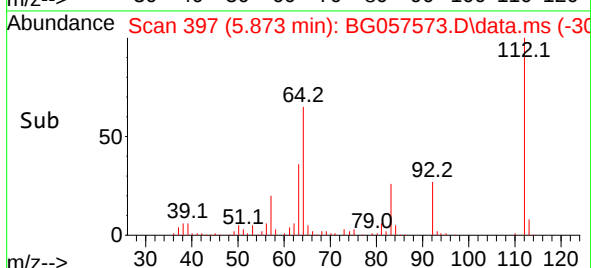
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

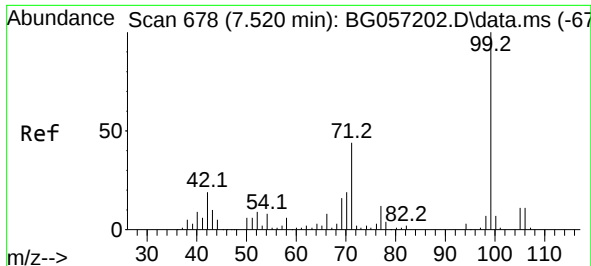


#5
2-Fluorophenol
Concen: 92.659 ng
RT: 5.873 min Scan# 397
Delta R.T. 0.001 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24



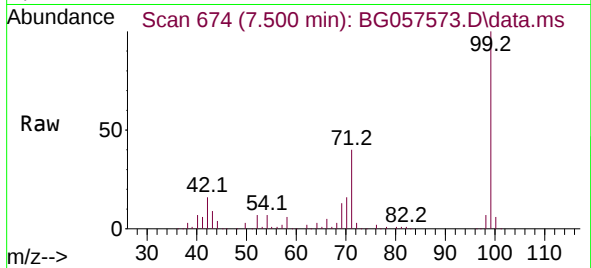
Tgt Ion:112 Resp: 141409
Ion Ratio Lower Upper
112 100
64 65.1 49.4 74.2
63 35.9 31.6 47.4





#7
Phenol-d6
Concen: 91.372 ng
RT: 7.500 min Scan# 61
Delta R.T. 0.001 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

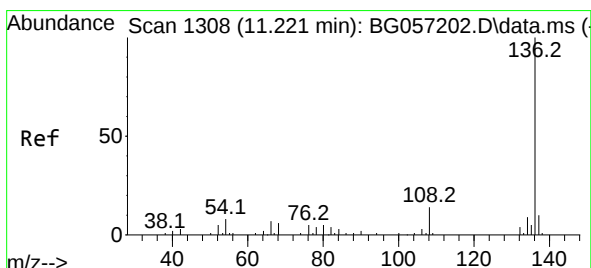
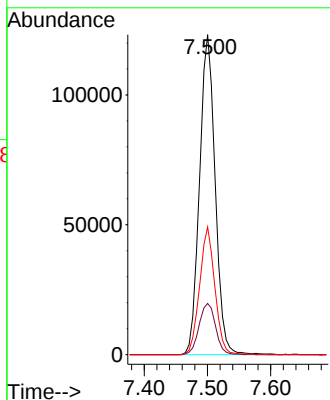
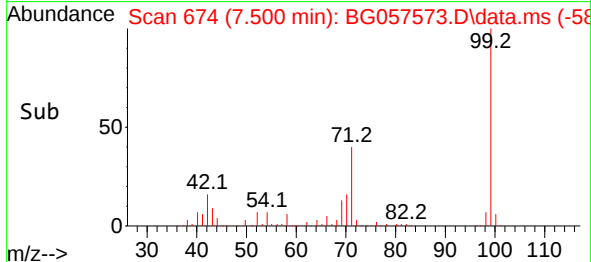
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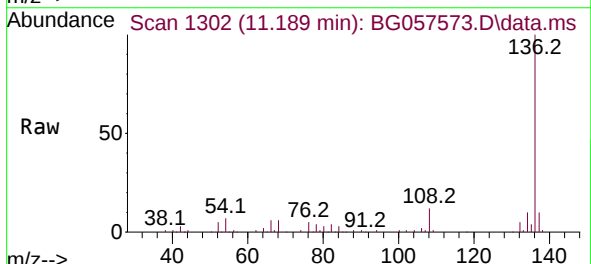
Tgt Ion: 99 Resp: 21175
Ion Ratio Lower Upper
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42 16.0 15.1 22.7
71 39.9 35.2 52.8

Manual Integrations
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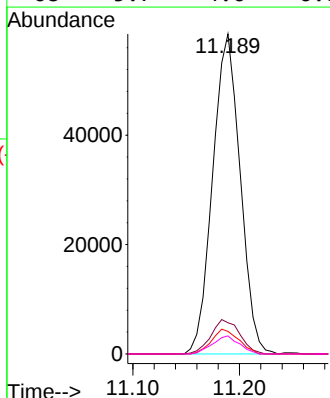
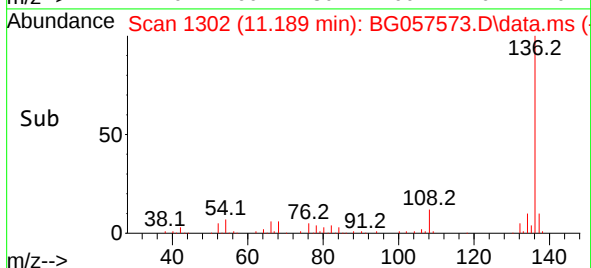
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

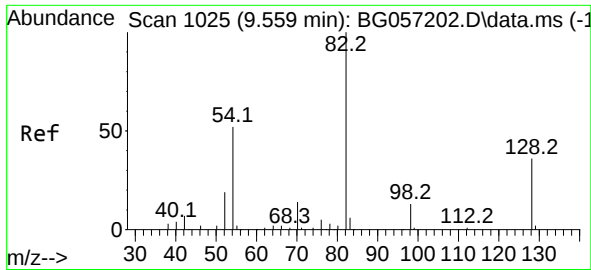


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.189 min Scan# 1302
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24



Tgt Ion:136 Resp: 104719
Ion Ratio Lower Upper
136 100
137 9.8 8.3 12.5
54 7.1 6.7 10.1
68 5.7 4.6 6.8





#23
Nitrobenzene-d5
Concen: 54.631 ng
RT: 9.533 min Scan# 1020
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Instrument :

BNA_G

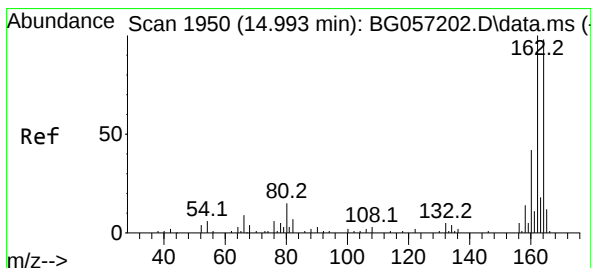
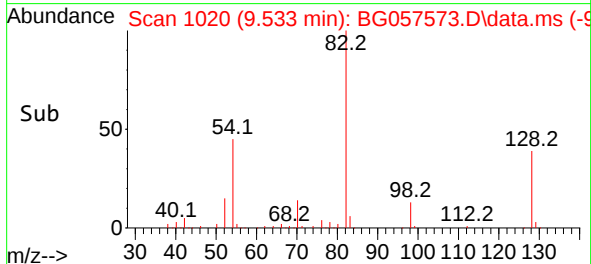
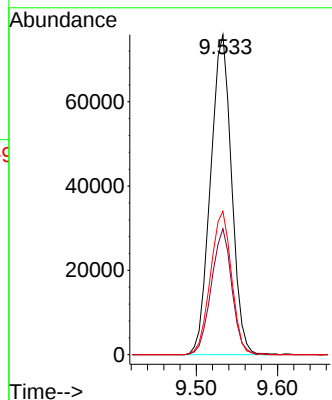
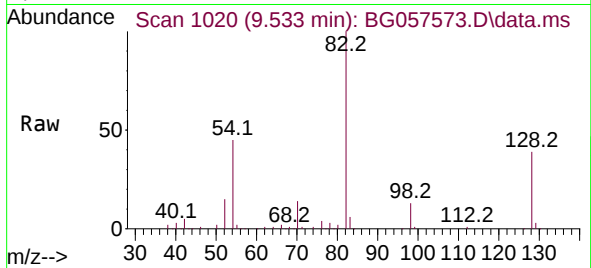
ClientSampleId :

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Tgt Ion: 82 Resp: 136300
Ion Ratio Lower Upper
82 100
128 39.4 29.0 43.4
54 44.8 41.4 62.0

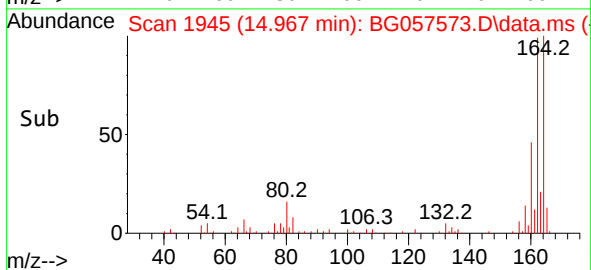
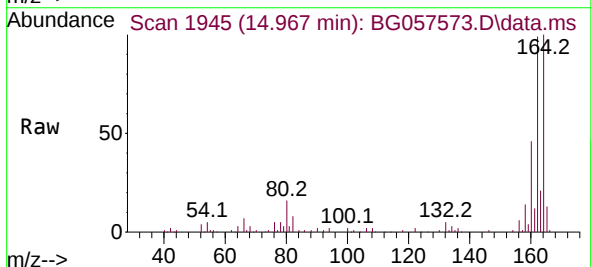
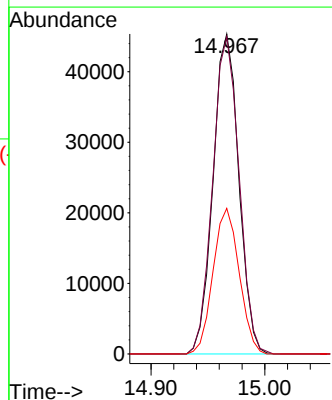
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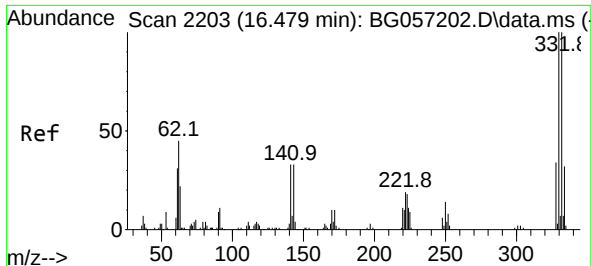
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.967 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

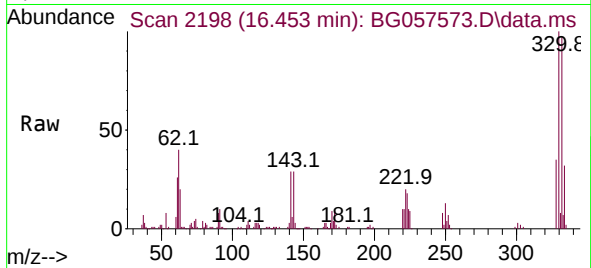
Tgt Ion:164 Resp: 71309
Ion Ratio Lower Upper
164 100
162 99.1 81.8 122.6
160 45.5 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 89.773 ng
RT: 16.453 min Scan# 2198
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

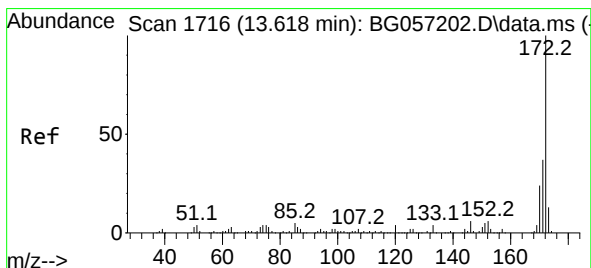
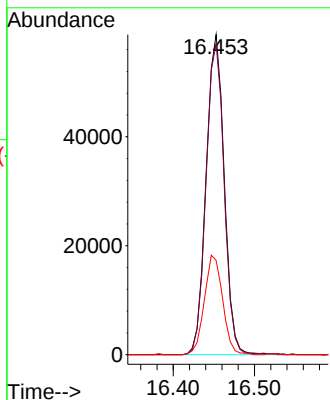
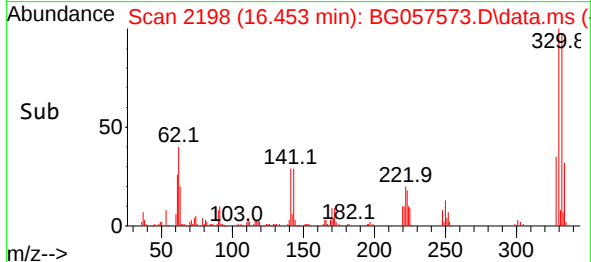
Instrument :
BNA_G
ClientSampleId :
ETGI-346



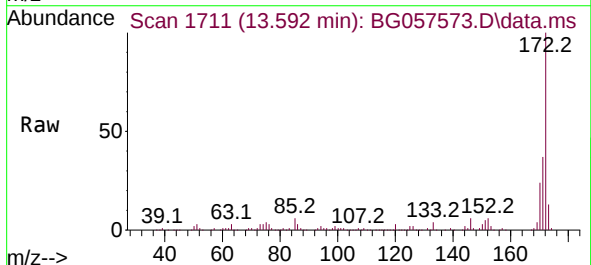
Tgt Ion:330 Resp: 9083
Ion Ratio Lower Upper
330 100
332 97.2 78.2 117.2
141 31.4 27.8 41.8

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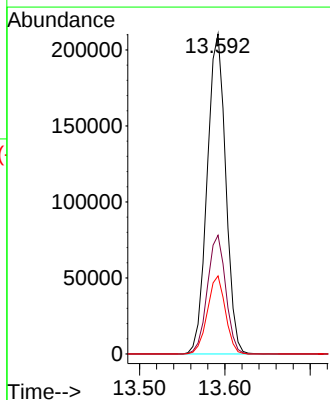
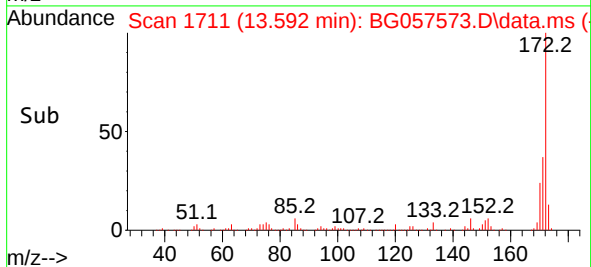
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023

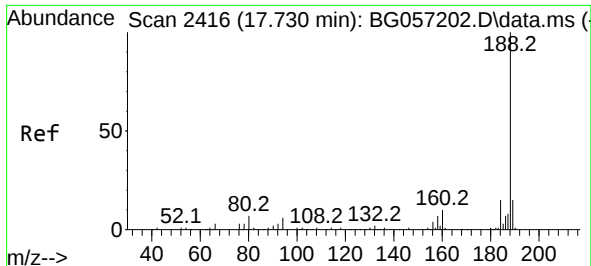


#45
2-Fluorobiphenyl
Concen: 60.188 ng
RT: 13.592 min Scan# 1711
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24



Tgt Ion:172 Resp: 318679
Ion Ratio Lower Upper
172 100
171 37.1 29.4 44.0
170 24.4 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.704 min Scan# 2411
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Instrument :

BNA_G

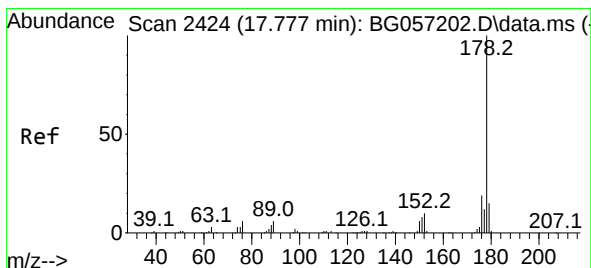
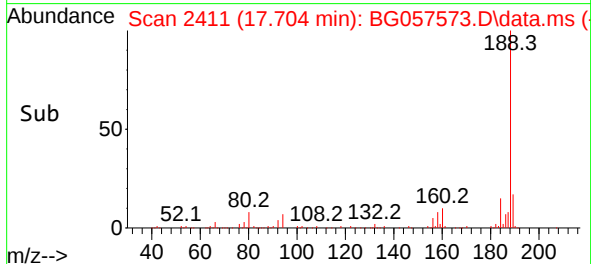
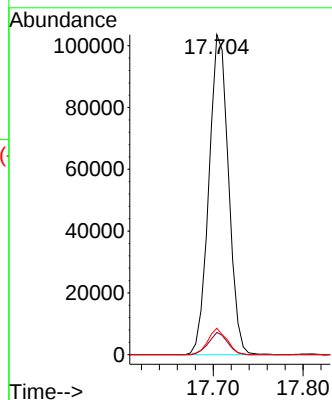
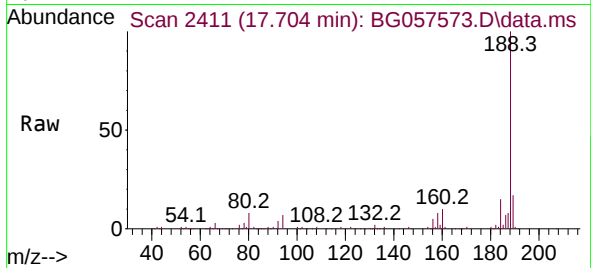
ClientSampleId :

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Tgt Ion:188 Resp: 156514
Ion Ratio Lower Upper
188 100
94 7.0 5.1 7.7
80 8.2 5.7 8.5

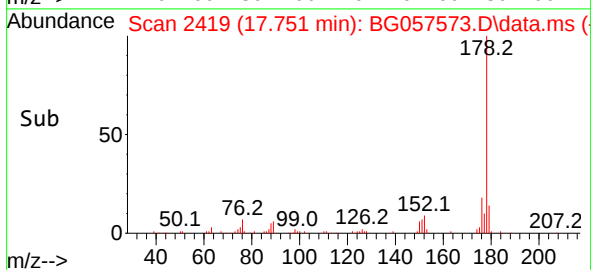
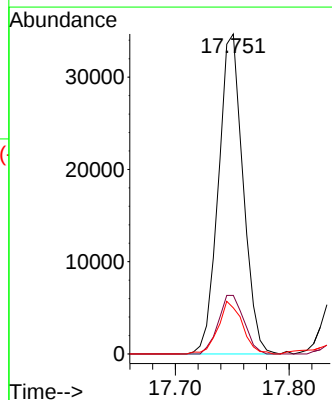
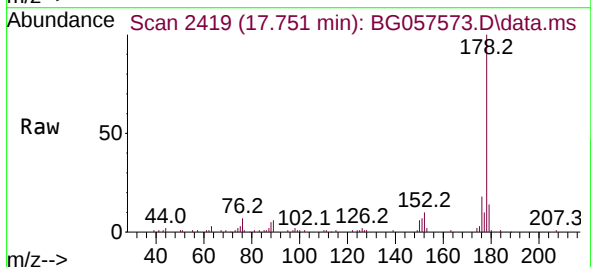
Manual Integrations
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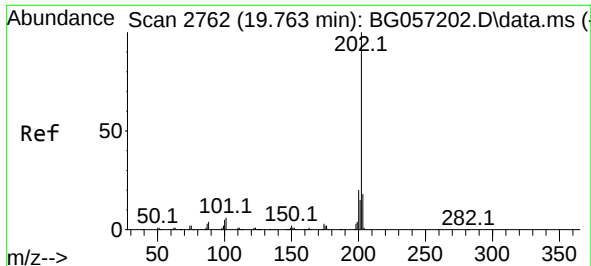
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#71
Phenanthrene
Concen: 6.497 ng
RT: 17.751 min Scan# 2419
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

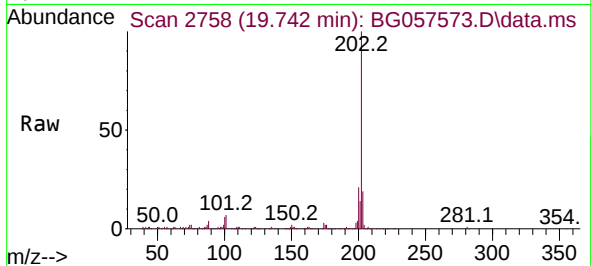
Tgt Ion:178 Resp: 52110
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 14.4 12.3 18.5





#75
Fluoranthene
Concen: 12.457 ng
RT: 19.742 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

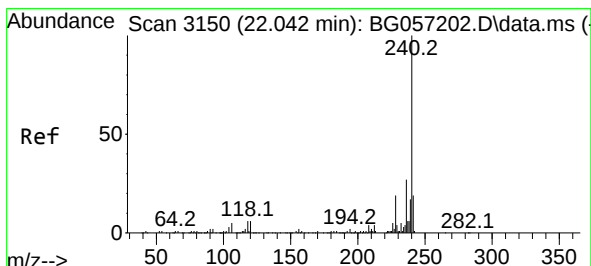
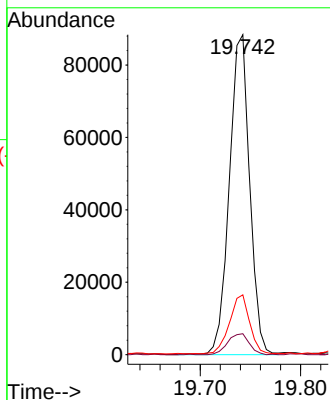
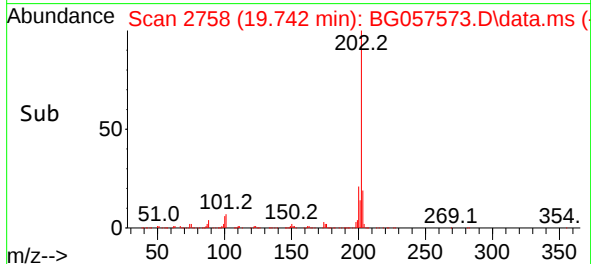
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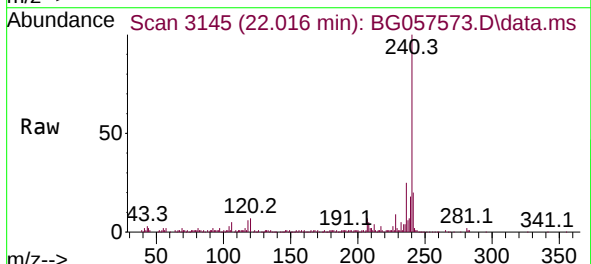
Tgt Ion:202 Resp: 124258
Ion Ratio Lower Upper
202 100
101 6.6 0.0 26.2
203 18.7 0.0 37.9

Manual Integrations
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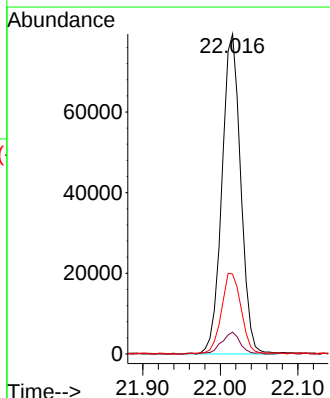
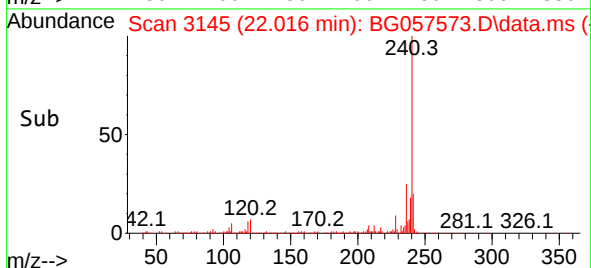
Reviewed By :Christian Giraldo 05/26/2023
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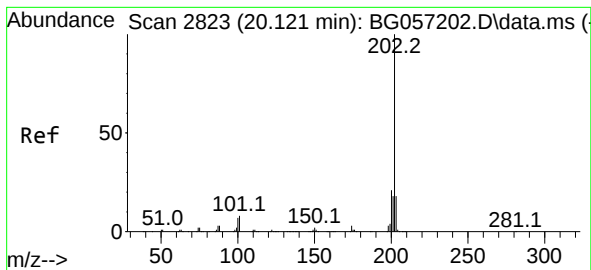


#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.016 min Scan# 3145
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24



Tgt Ion:240 Resp: 133716
Ion Ratio Lower Upper
240 100
120 6.8 4.9 7.3
236 25.0 21.4 32.2





#78

Pyrene

Concen: 11.251 ng

RT: 20.101 min Scan# 2819

Delta R.T. -0.005 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Instrument :

BNA_G

ClientSampleId :

ETGI-346

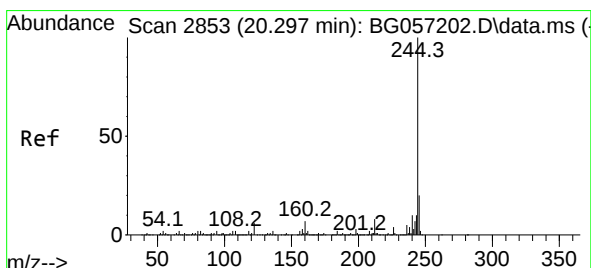
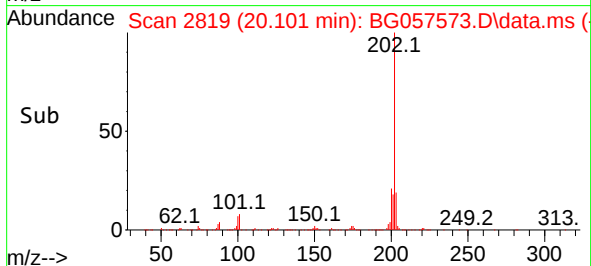
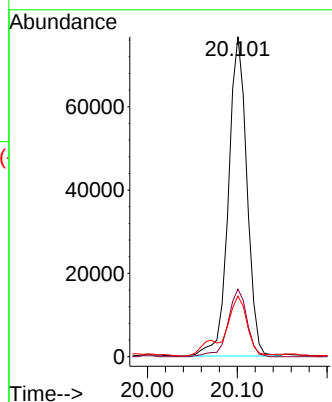
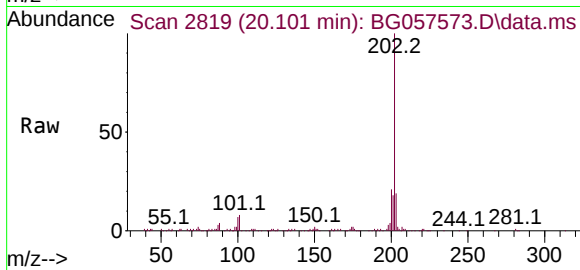
Tgt Ion:	202	Resp:	109318
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.0	25.4
203	19.0	14.2	21.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/26/2023



#79

Terphenyl-d14

Concen: 57.922 ng

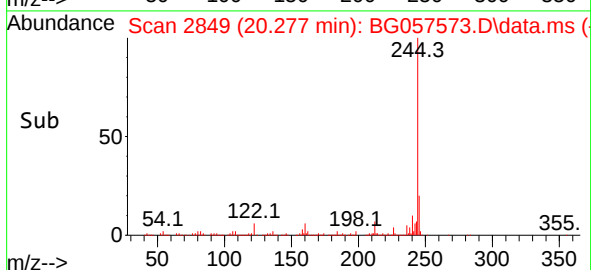
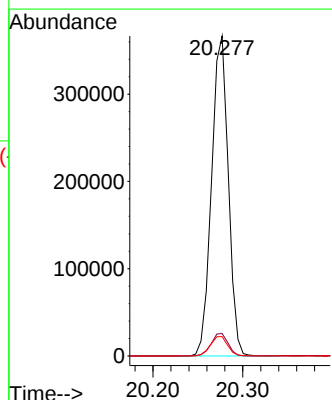
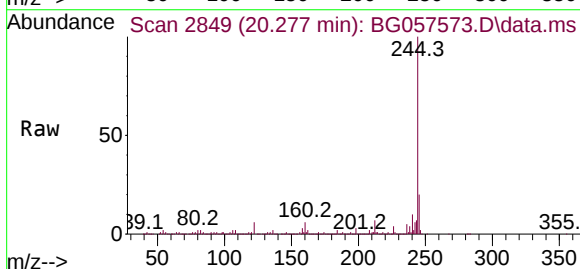
RT: 20.277 min Scan# 2849

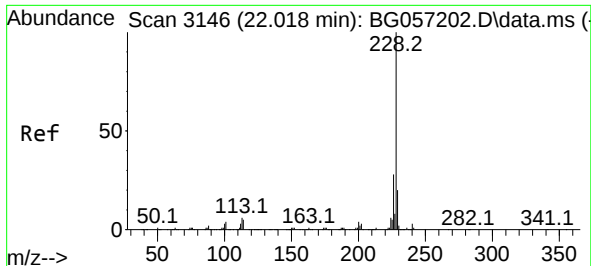
Delta R.T. 0.001 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

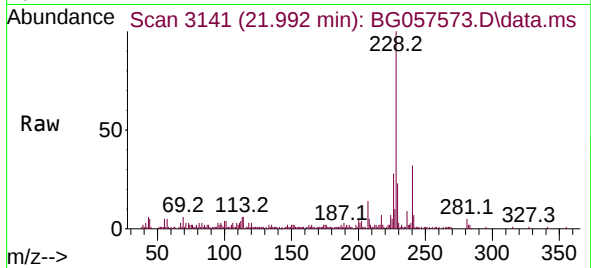
Tgt Ion:	244	Resp:	474602
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.1	9.1
122	6.0	5.1	7.7





#81
Benzo(a)anthracene
Concen: 6.635 ng
RT: 21.992 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

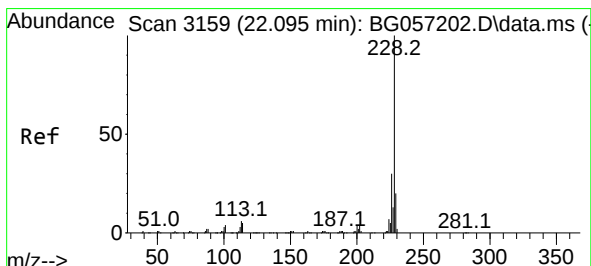
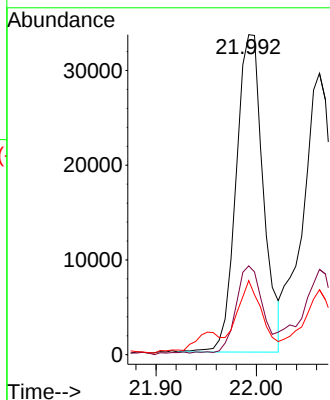
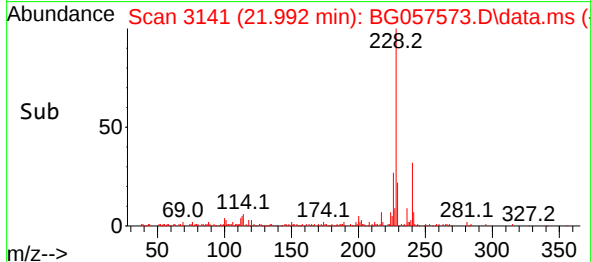
Instrument :
BNA_G
ClientSampleId :
ETGI-346



Tgt Ion:228 Resp: 6320
Ion Ratio Lower Upper
228 100
226 27.7 22.0 33.0
229 23.2 15.8 23.8

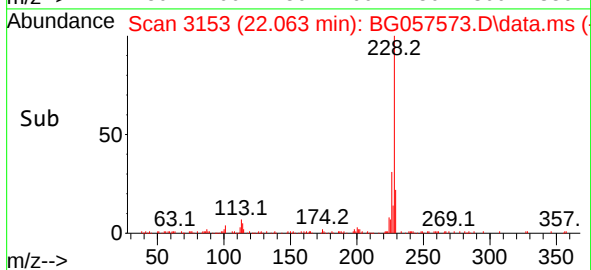
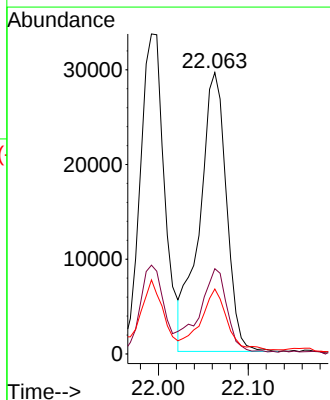
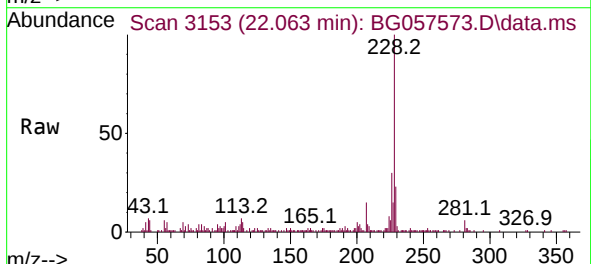
Manual Integrations
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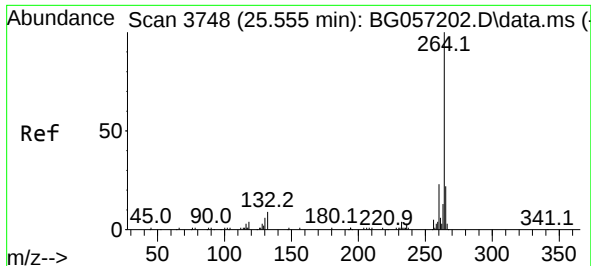
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#83
Chrysene
Concen: 6.849 ng
RT: 22.063 min Scan# 3153
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

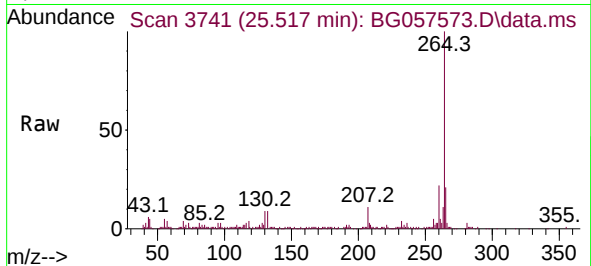
Tgt Ion:228 Resp: 61389
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 23.1 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.517 min Scan# 31
 Delta R.T. -0.005 min
 Lab File: BG057573.D
 Acq: 26 May 2023 1:24

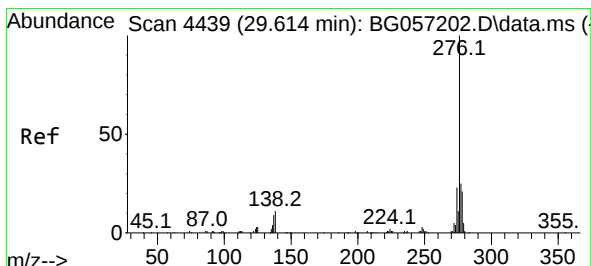
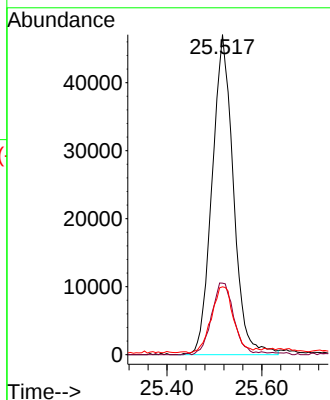
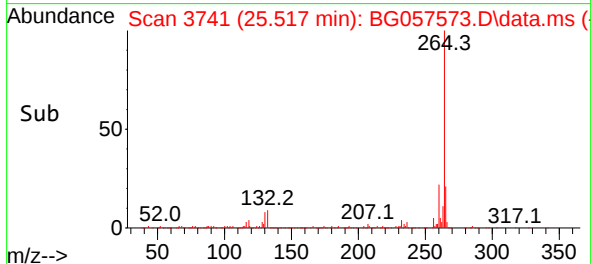
Instrument :
 BNA_G
 ClientSampleId :
 ETGI-346



Tgt Ion:264 Resp: 14664
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.8 28.2
 265 21.2 17.9 26.9

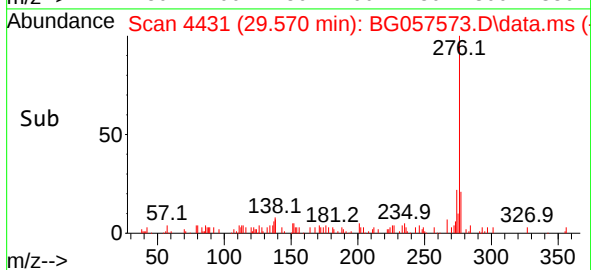
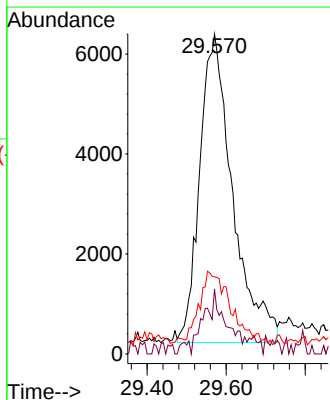
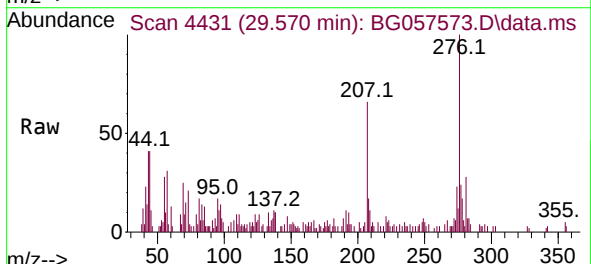
Manual Integrations
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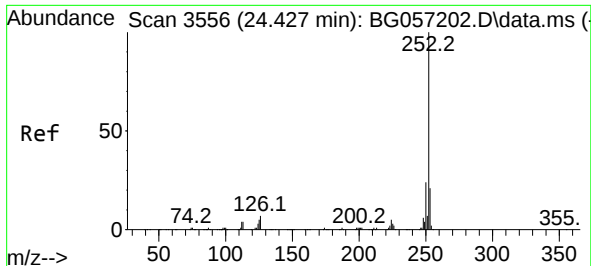
Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.344 ng m
 RT: 29.570 min Scan# 4431
 Delta R.T. -0.011 min
 Lab File: BG057573.D
 Acq: 26 May 2023 1:24

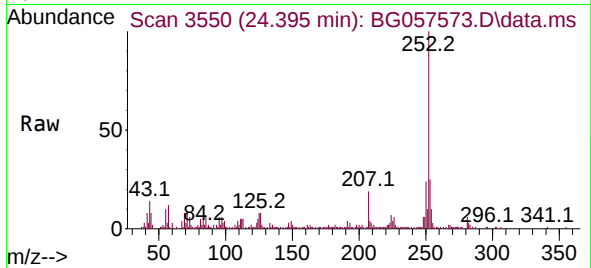
Tgt Ion:276 Resp: 35734
 Ion Ratio Lower Upper
 276 100
 138 5.3 5.4 8.0#
 277 0.0 20.6 30.8#





#88
Benzo(b)fluoranthene
Concen: 8.998 ng
RT: 24.395 min Scan# 3550
Delta R.T. -0.005 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

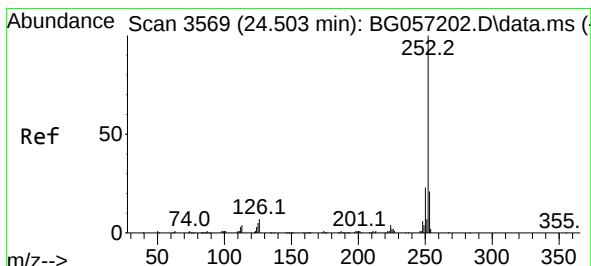
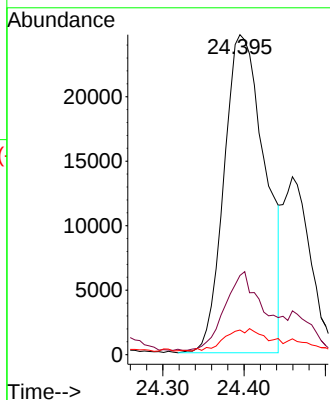
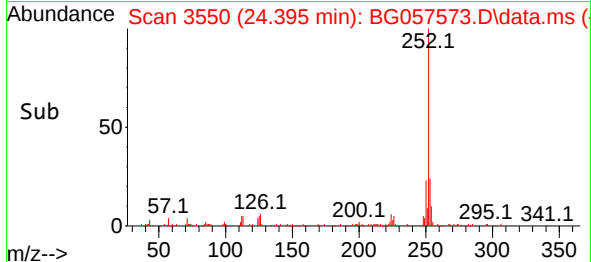
Instrument :
BNA_G
ClientSampleId :
ETGI-346



Tgt Ion:252 Resp: 8625
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 7.7 4.2 6.2

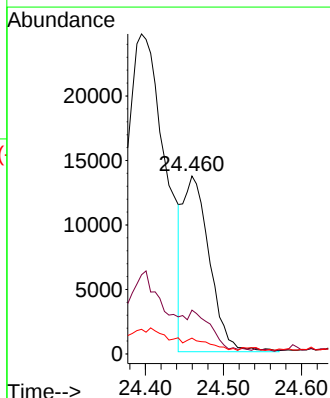
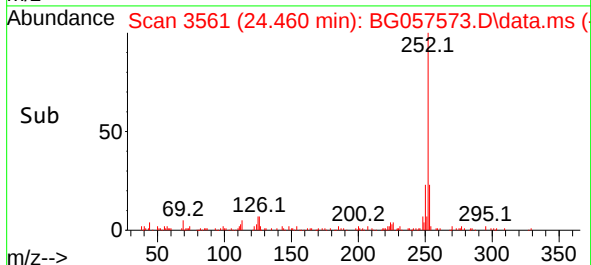
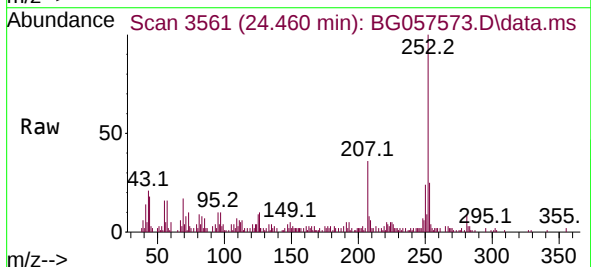
Manual Integrations
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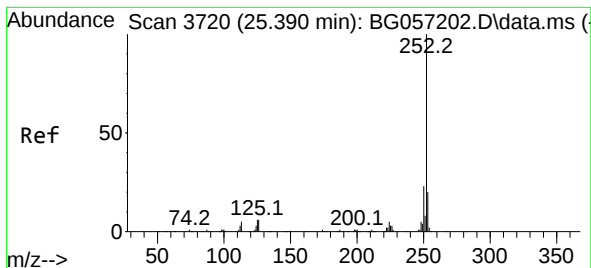
Reviewed By :Christian Giraldo 05/26/2023
Supervised By :Jagrut Upadhyay 05/26/2023



#89
Benzo(k)fluoranthene
Concen: 3.312 ng m
RT: 24.460 min Scan# 3561
Delta R.T. -0.011 min
Lab File: BG057573.D
Acq: 26 May 2023 1:24

Tgt Ion:252 Resp: 32264
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.0
125 8.9 4.1 6.1





#90

Benzo(a)pyrene

Concen: 6.022 ng

RT: 25.347 min Scan# 31

Delta R.T. -0.011 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Instrument :

BNA_G

ClientSampleId :

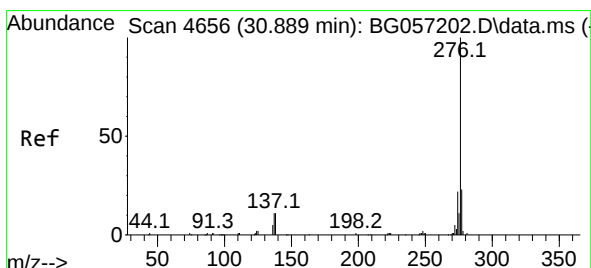
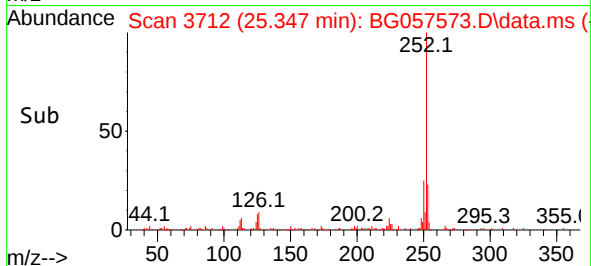
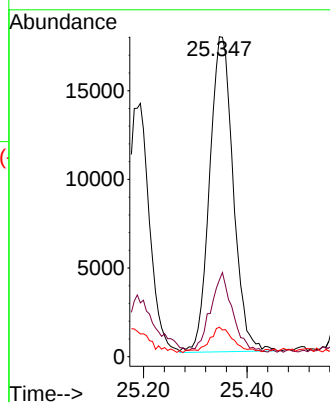
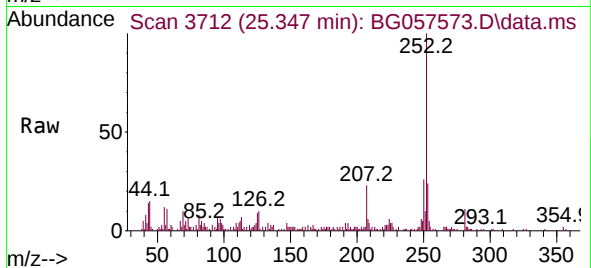
ETGI-346

Tgt Ion:252 Resp: 5639
 Ion Ratio Lower Upper
 252 100
 253 24.0 16.3 24.5
 125 9.2 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/26/2023
 Supervised By :Jagrut Upadhyay 05/26/2023



#92

Benzo(g,h,i)perylene

Concen: 3.639 ng

RT: 30.833 min Scan# 4646

Delta R.T. -0.023 min

Lab File: BG057573.D

Acq: 26 May 2023 1:24

Tgt Ion:276 Resp: 31624
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.4 27.6
 138 13.6 9.0 13.4

