

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
 Data File : BG052636.D
 Acq On : 10 Mar 2022 16:20
 Operator : CG/JU
 Sample : N1847-04 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/11/2022
 Supervised By : Jagrut Upadhyay 03/11/2022

Quant Time: Mar 11 03:45:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 06:37:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.178	152	43862	20.000	ng	0.00
21) Naphthalene-d8	11.016	136	178989	20.000	ng	0.00
39) Acenaphthene-d10	14.828	164	111415	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	222135	20.000	ng	0.00
76) Chrysene-d12	21.895	240	192815	20.000	ng	0.00
86) Perylene-d12	25.332	264	181340	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.711	112	21370	8.417	ng	0.00
7) Phenol-d6	7.327	99	30093	8.189	ng	0.00
23) Nitrobenzene-d5	9.347	82	21652	5.484	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	12420	7.860	ng	0.00
45) 2-Fluorobiphenyl	13.448	172	52289	6.335	ng	0.00
79) Terphenyl-d14	20.174	244	67466	6.192	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.893	154	29138	4.681	ng	# 95
55) Dibenzofuran	15.222	168	22734	2.154	ng	94
58) Fluorene	15.874	166	30289	3.533	ng	94
71) Phenanthrene	17.624	178	565298	48.504	ng	99
72) Anthracene	17.712	178	167470	14.677	ng	99
73) Carbazole	17.977	167	46980	4.207	ng	95
75) Fluoranthene	19.633	202	1317823	90.557	ng	96
78) Pyrene	19.998	202	1224144	94.983	ng	98
81) Benzo(a)anthracene	21.877	228	758505	58.715	ng	97
83) Chrysene	21.942	228	673479m	55.757	ng	
87) Indeno(1,2,3-cd)pyrene	29.279	276	261358	20.112	ng	94
88) Benzo(b)fluoranthene	24.245	252	898968	80.292	ng	97
89) Benzo(k)fluoranthene	24.304	252	272433m	24.195	ng	
90) Benzo(a)pyrene	25.173	252	650804	68.700	ng	98
91) Dibenzo(a,h)anthracene	29.338	278	58468	5.422	ng	# 91
92) Benzo(g,h,i)perylene	30.530	276	232504	22.090	ng	97

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

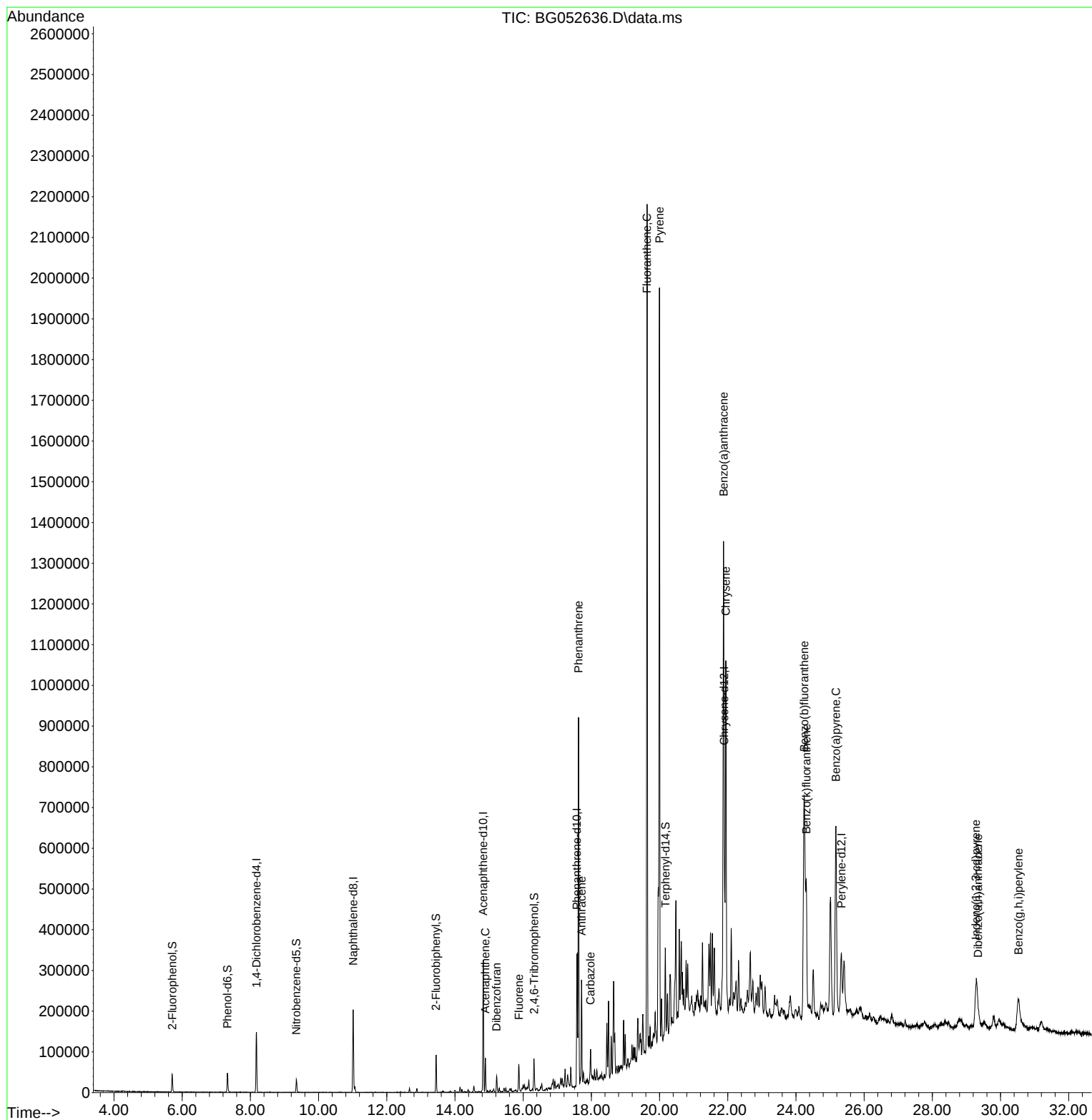
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031022\
Data File : BG052636.D
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ALS Vial : 10 Sample Multiplier: 1

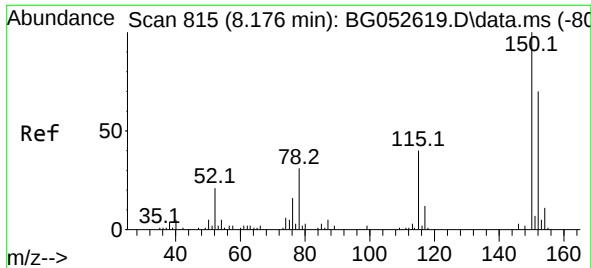
Instrument :
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Quant Time: Mar 11 03:45:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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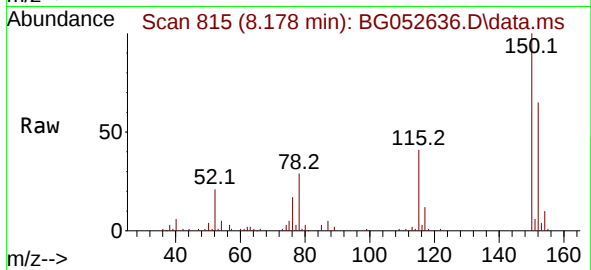
Reviewed By : Christian Giraldo 03/11/2022
Supervised By : Jagrut Upadhyay 03/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.178 min Scan# 815
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

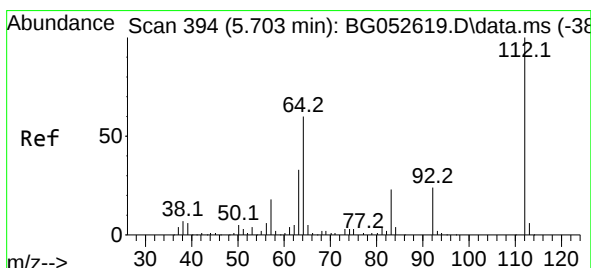
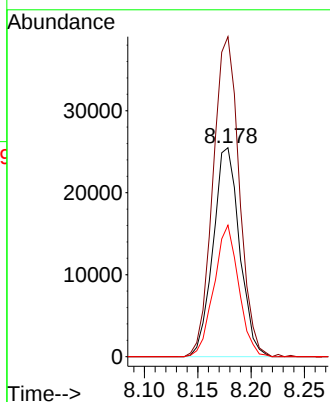
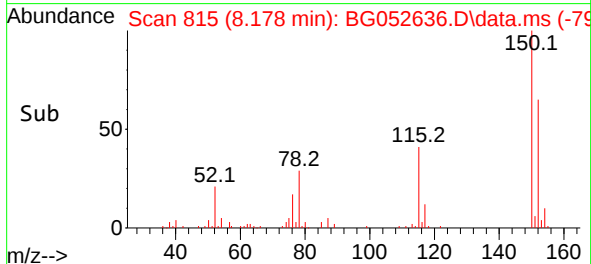
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5



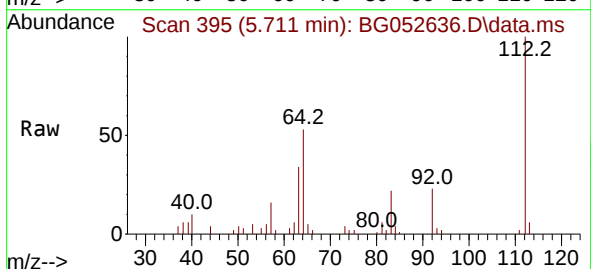
Tgt Ion:152 Resp: 43862
Ion Ratio Lower Upper
152 100
150 153.2 114.6 172.0
115 63.0 45.9 68.9

Manual Integrations
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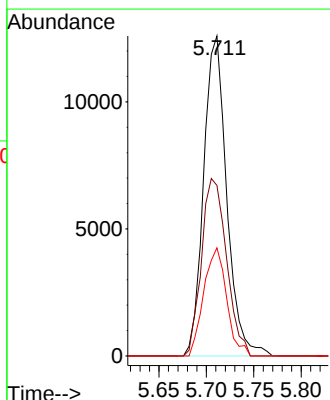
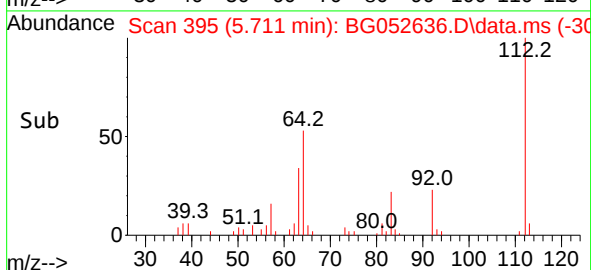
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Supervised By :Jagrut Upadhyay 03/11/2022

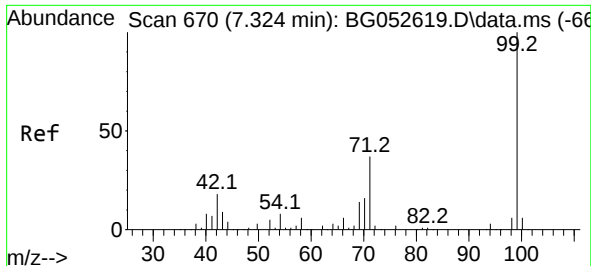


#5
2-Fluorophenol
Concen: 8.417 ng
RT: 5.711 min Scan# 395
Delta R.T. 0.008 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20



Tgt Ion:112 Resp: 21370
Ion Ratio Lower Upper
112 100
64 53.3 48.0 72.0
63 33.8 26.5 39.7





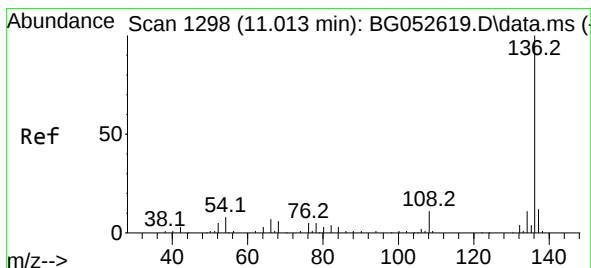
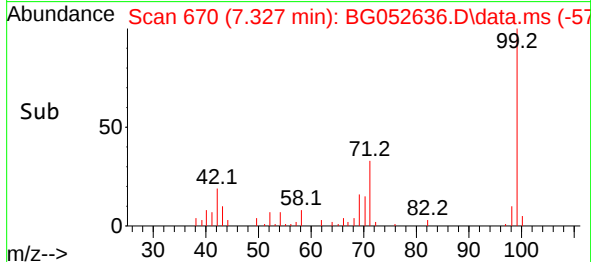
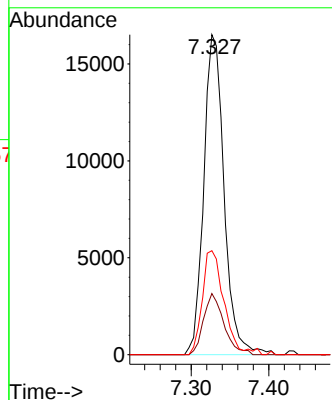
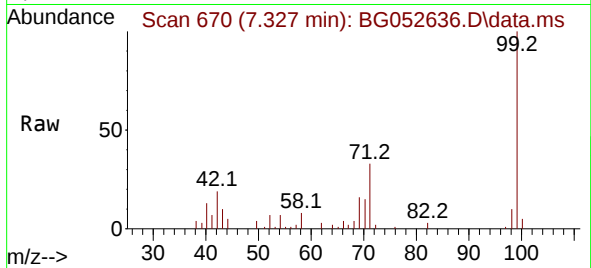
#7
Phenol-d6
Concen: 8.189 ng
RT: 7.327 min Scan# 61
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5

Tgt Ion: 99 Resp: 3009
Ion Ratio Lower Upper
99 100
42 19.1 14.7 22.1
71 32.5 29.2 43.8

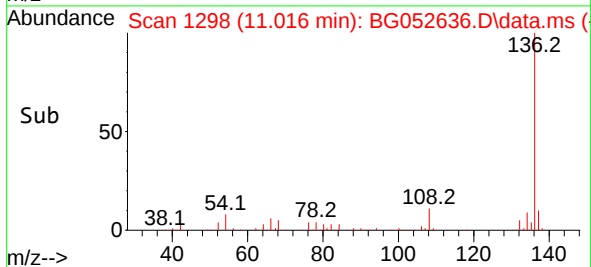
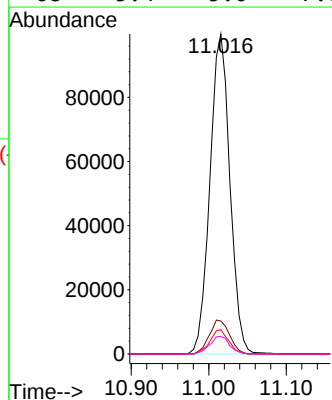
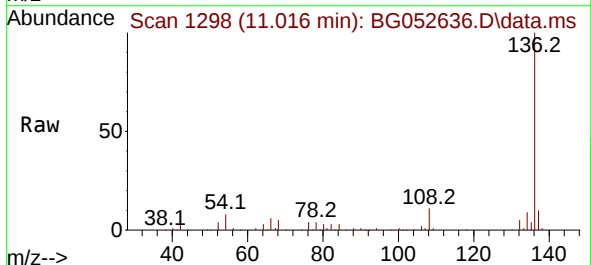
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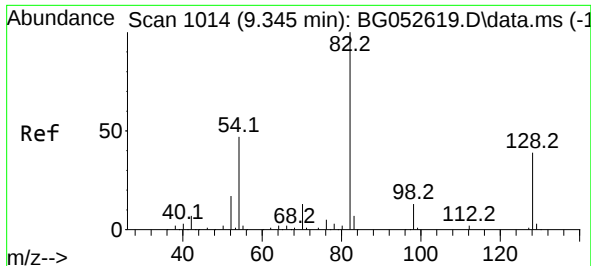
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.016 min Scan# 1298
Delta R.T. 0.003 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

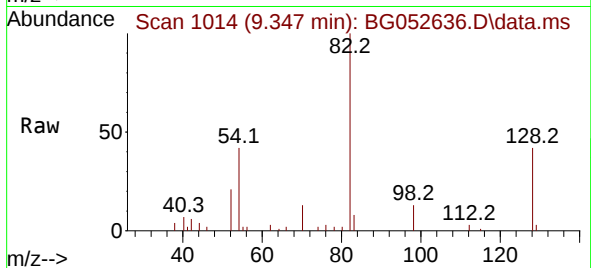
Tgt Ion:136 Resp: 178989
Ion Ratio Lower Upper
136 100
137 10.3 9.4 14.2
54 7.6 6.4 9.6
68 5.4 5.0 7.6





#23
Nitrobenzene-d5
Concen: 5.484 ng
RT: 9.347 min Scan# 1014
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

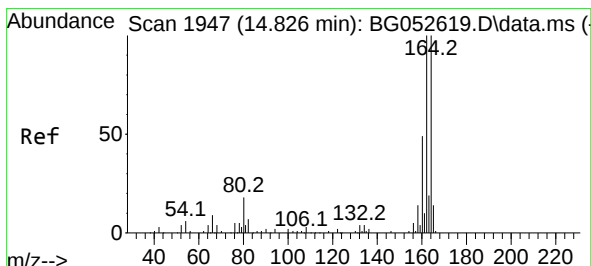
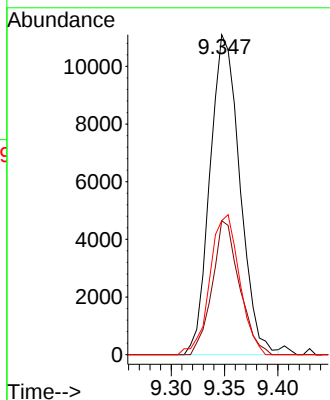
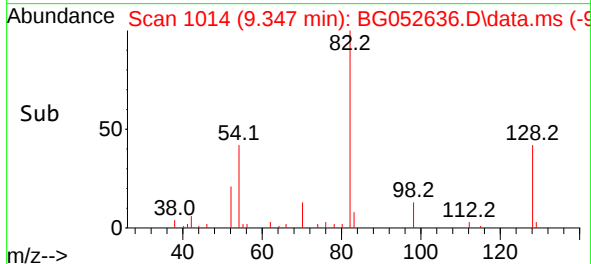
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5



Tgt Ion: 82 Resp: 21652
Ion Ratio Lower Upper
82 100
128 41.8 31.3 46.9
54 41.8 37.8 56.8

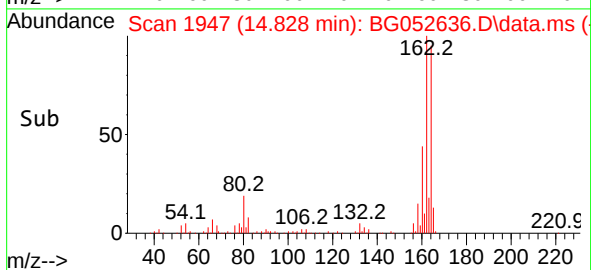
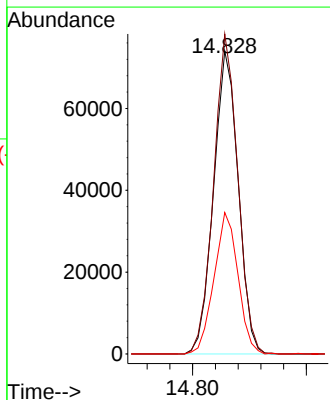
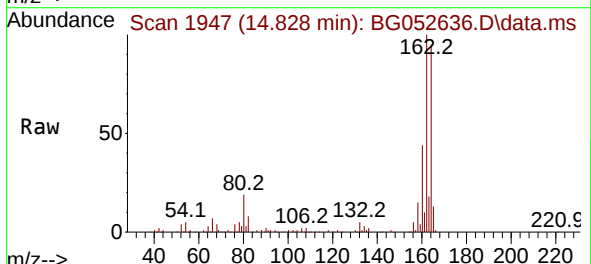
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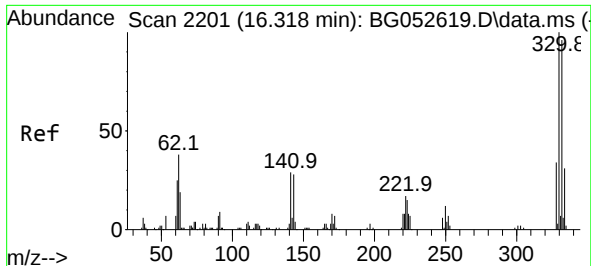
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.828 min Scan# 1947
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Tgt Ion:164 Resp: 111415
Ion Ratio Lower Upper
164 100
162 105.6 80.0 120.0
160 46.6 38.8 58.2





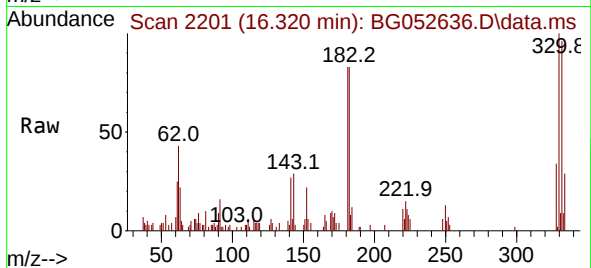
#42
2,4,6-Tribromophenol
Concen: 7.860 ng
RT: 16.320 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

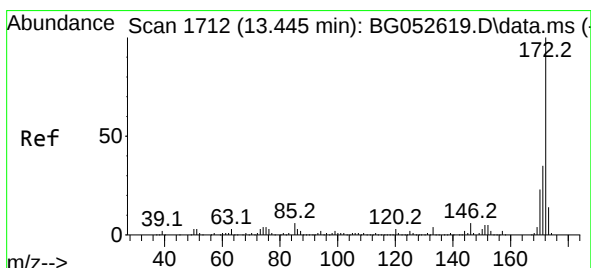
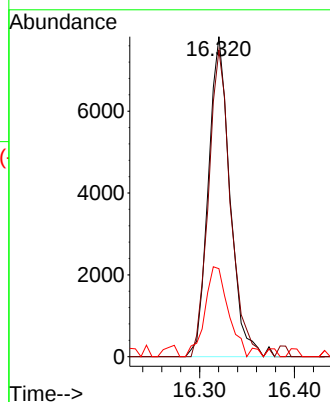
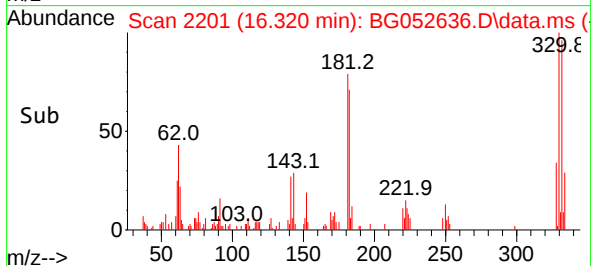


Tgt Ion:330 Resp: 12420
Ion Ratio Lower Upper
330 100
332 97.2 75.8 113.6
141 31.2 24.6 36.8

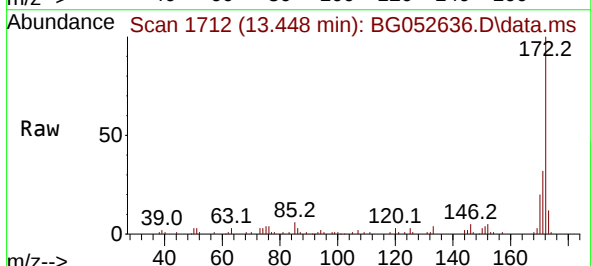
Manual Integrations

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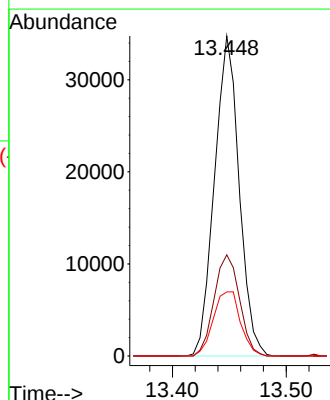
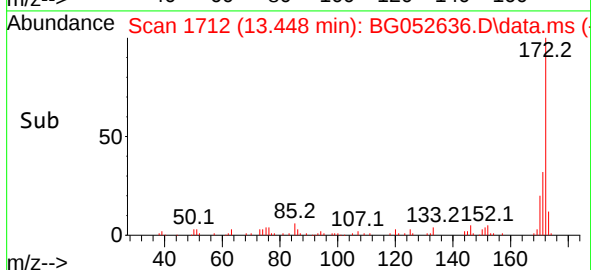
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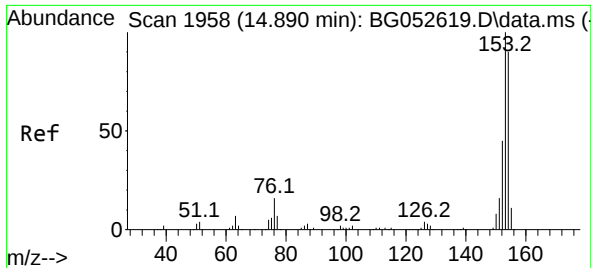


#45
2-Fluorobiphenyl
Concen: 6.335 ng
RT: 13.448 min Scan# 1712
Delta R.T. 0.003 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20



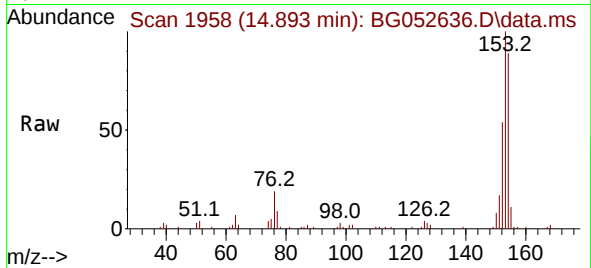
Tgt Ion:172 Resp: 52289
Ion Ratio Lower Upper
172 100
171 31.6 28.3 42.5
170 20.0 18.0 27.0





#52
Acenaphthene
Concen: 4.681 ng
RT: 14.893 min Scan# 1958
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

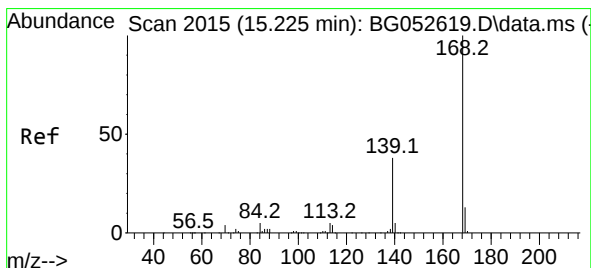
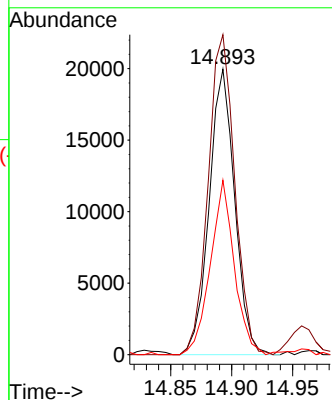
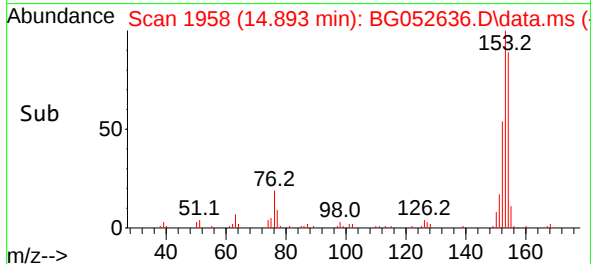
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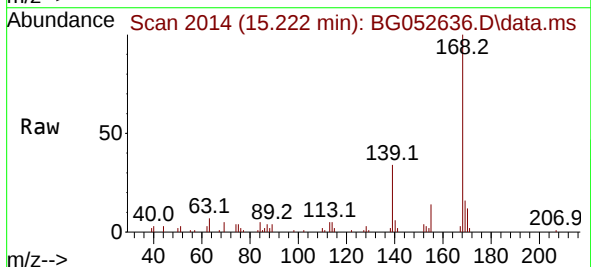
Tgt Ion:154 Resp: 29138
Ion Ratio Lower Upper
154 100
153 112.1 89.0 133.4
152 61.1 40.5 60.7

Manual Integrations
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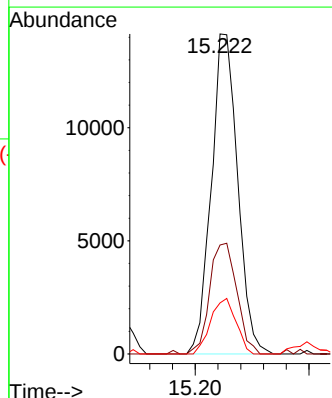
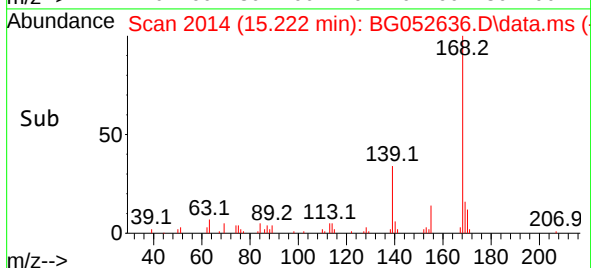
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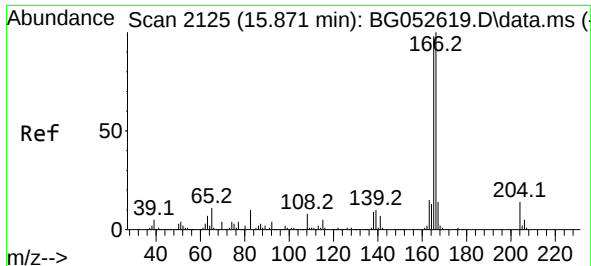


#55
Dibenzofuran
Concen: 2.154 ng
RT: 15.222 min Scan# 2014
Delta R.T. -0.004 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20



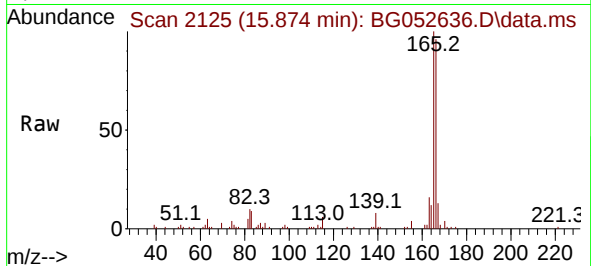
Tgt Ion:168 Resp: 22734
Ion Ratio Lower Upper
168 100
139 34.1 30.2 45.4
169 16.0 10.7 16.1





#58
Fluorene
Concen: 3.533 ng
RT: 15.874 min Scan# 2125
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

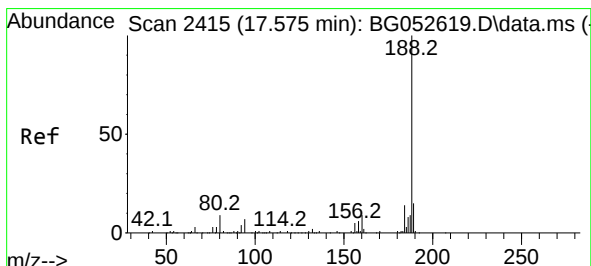
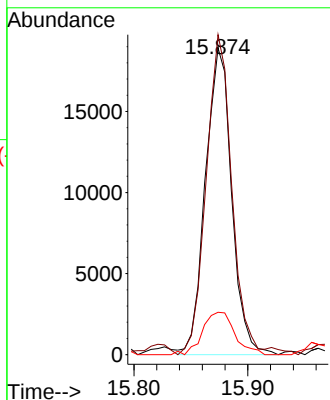
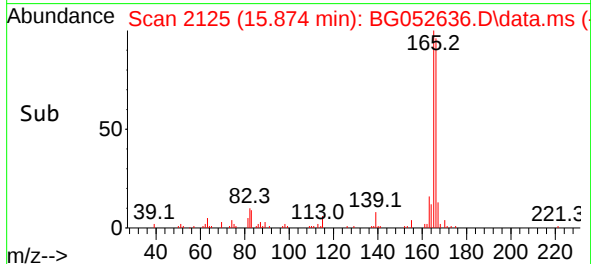
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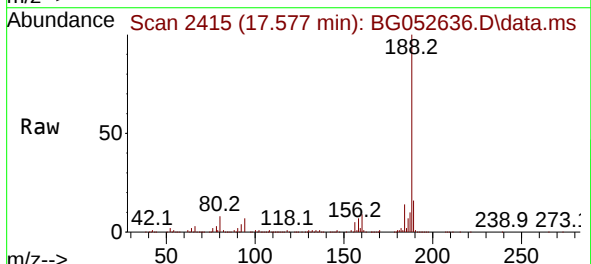
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Ion Ratio Lower Upper
166 100
165 104.4 78.6 117.8
167 13.8 10.9 16.3

Manual Integrations
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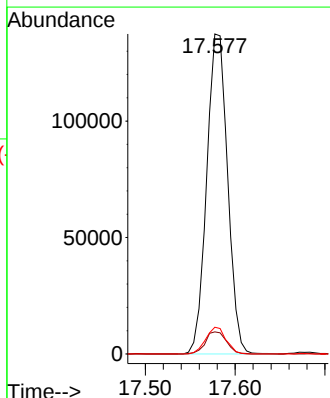
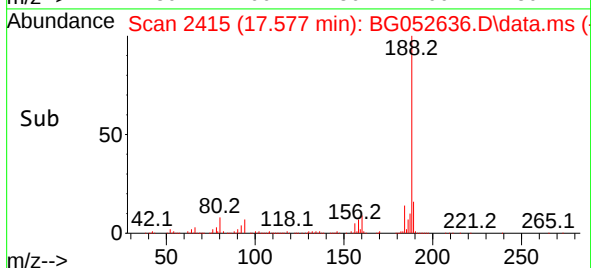
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

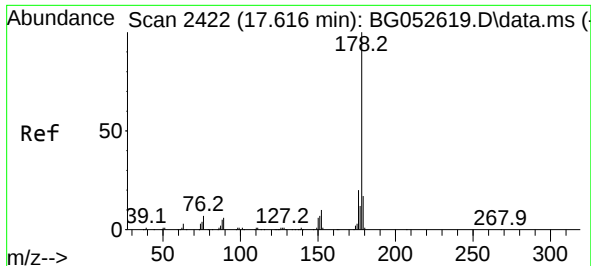


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2415
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20



Tgt Ion:188 Resp: 222135
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.4 7.2 10.8





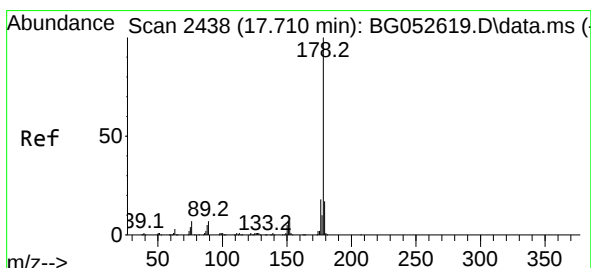
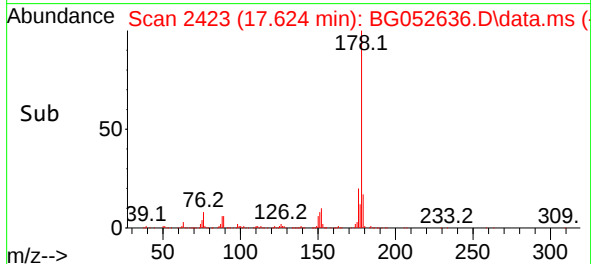
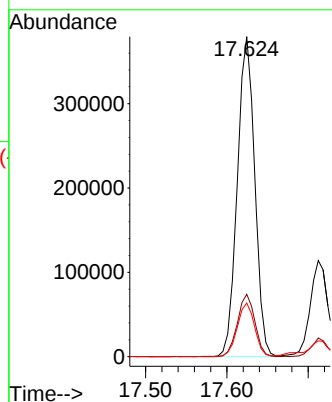
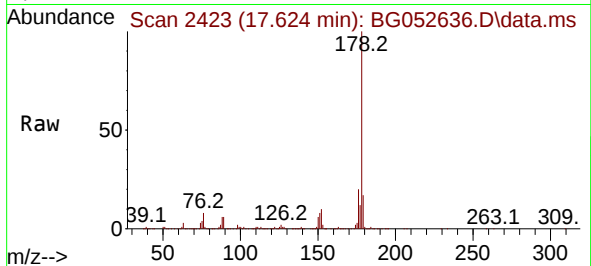
#71
Phenanthrene
Concen: 48.504 ng
RT: 17.624 min Scan# 2422
Delta R.T. 0.008 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5

Tgt Ion:178 Resp: 565298
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 16.8 13.4 20.2

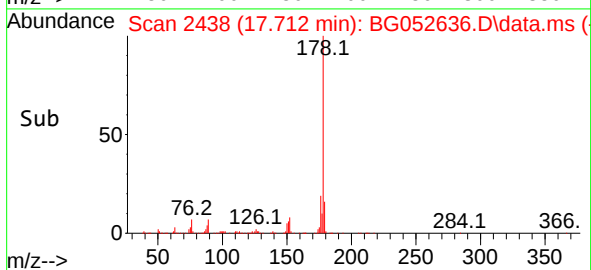
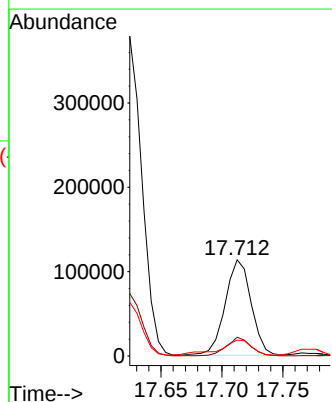
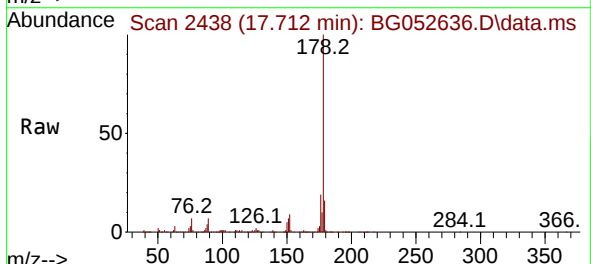
Manual Integrations
APPROVED

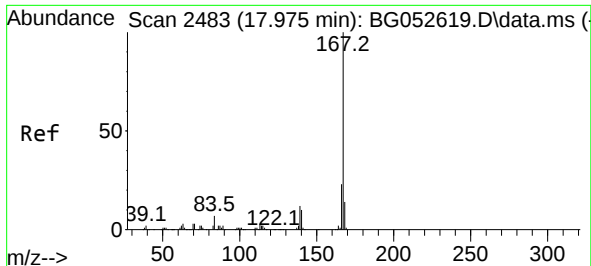
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#72
Anthracene
Concen: 14.677 ng
RT: 17.712 min Scan# 2438
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

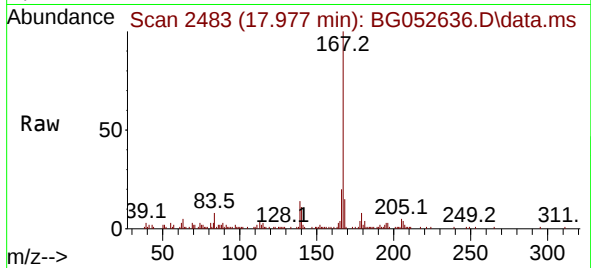
Tgt Ion:178 Resp: 167470
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 16.4 13.2 19.8





#73
 Carbazole
 Concen: 4.207 ng
 RT: 17.977 min Scan# 2483
 Delta R.T. 0.002 min
 Lab File: BG052636.D
 Acq: 10 Mar 2022 16:20

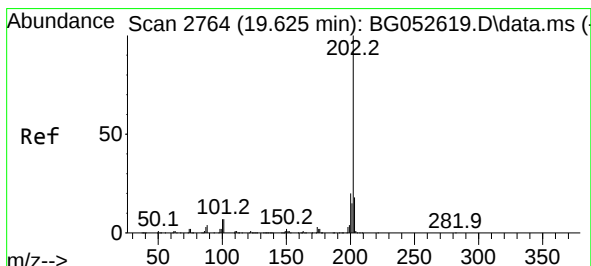
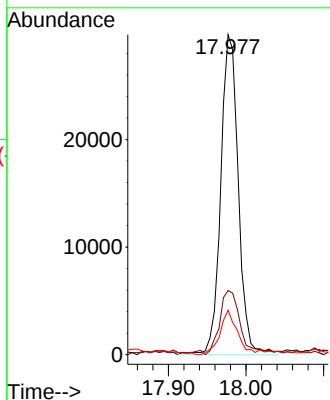
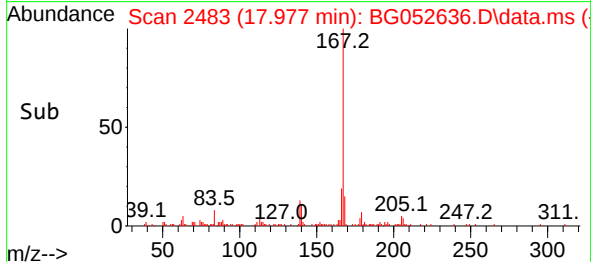
Instrument :
 BNA_G
 ClientSampleId :
 CG-B3-030722-2-5



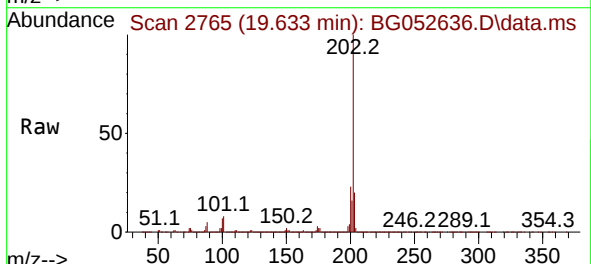
Tgt Ion:167 Resp: 46980
 Ion Ratio Lower Upper
 167 100
 166 20.1 18.5 27.7
 139 13.8 10.0 15.0

Manual Integrations
 APPROVED

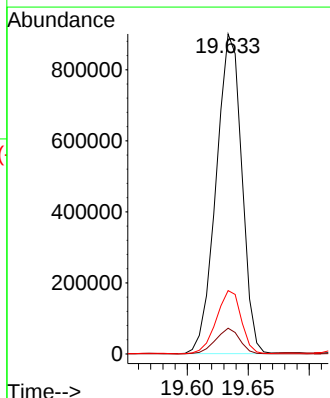
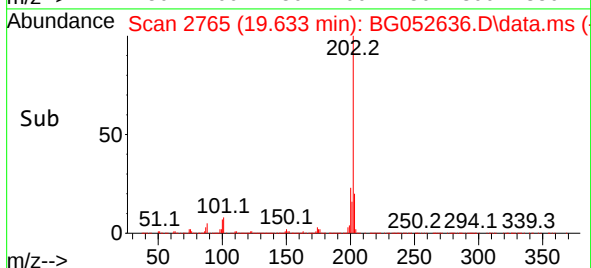
Reviewed By :Christian Giraldo 03/11/2022
 Supervised By :Jagrut Upadhyay 03/11/2022

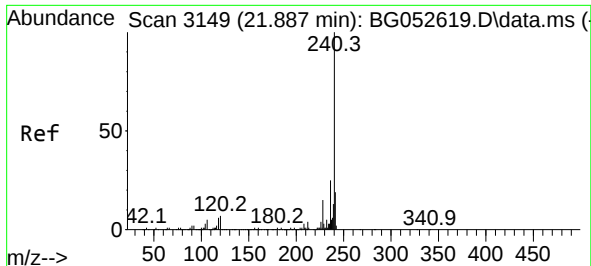


#75
 Fluoranthene
 Concen: 90.557 ng
 RT: 19.633 min Scan# 2765
 Delta R.T. 0.008 min
 Lab File: BG052636.D
 Acq: 10 Mar 2022 16:20



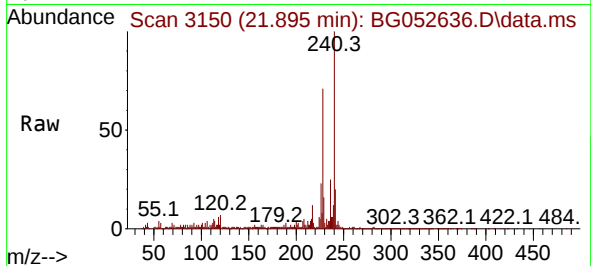
Tgt Ion:202 Resp: 1317823
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 27.3
 203 19.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.895 min Scan# 3149
Delta R.T. 0.008 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

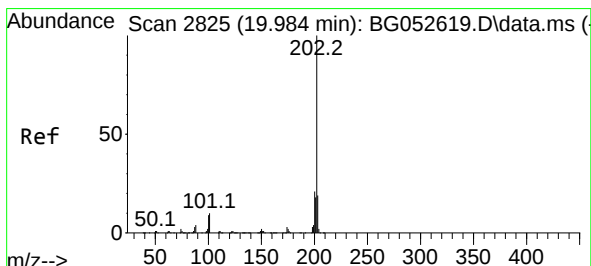
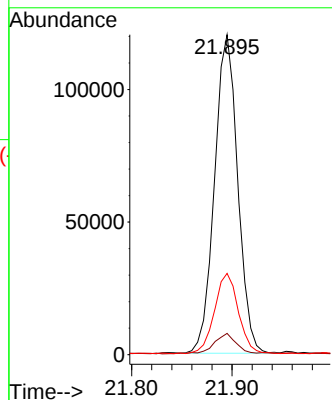
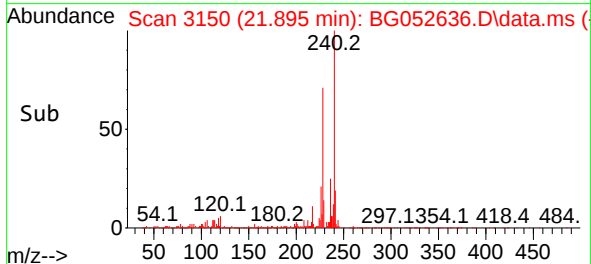
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5



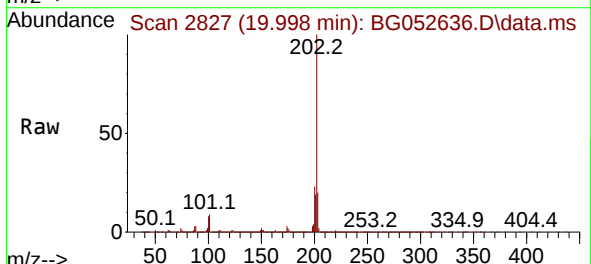
Tgt Ion:240 Resp: 192815
Ion Ratio Lower Upper
240 100
120 6.6 5.4 8.0
236 25.4 19.8 29.6

Manual Integrations
APPROVED

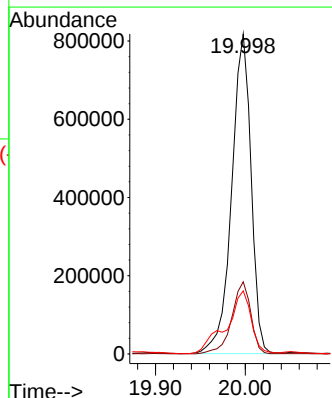
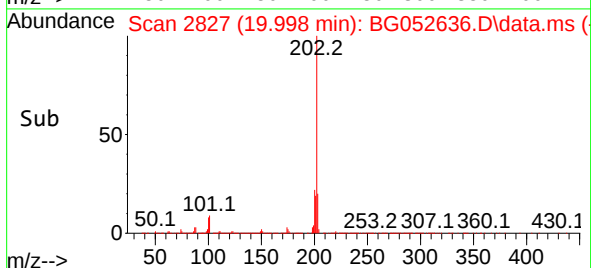
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

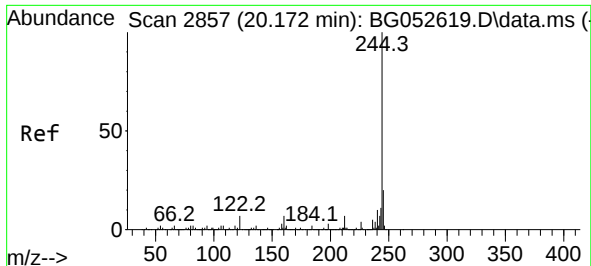


#78
Pyrene
Concen: 94.983 ng
RT: 19.998 min Scan# 2827
Delta R.T. 0.014 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20



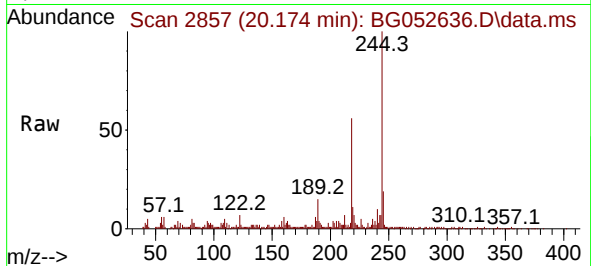
Tgt Ion:202 Resp: 1224144
Ion Ratio Lower Upper
202 100
200 22.5 17.0 25.6
203 19.7 15.0 22.6





#79
Terphenyl-d14
Concen: 6.192 ng
RT: 20.174 min Scan# 2187
Delta R.T. 0.002 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

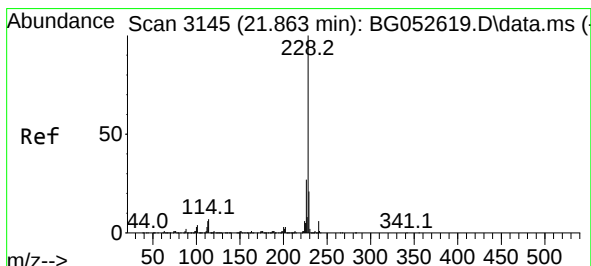
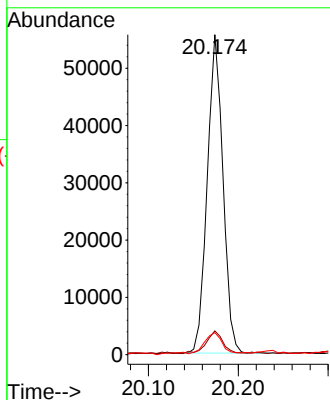
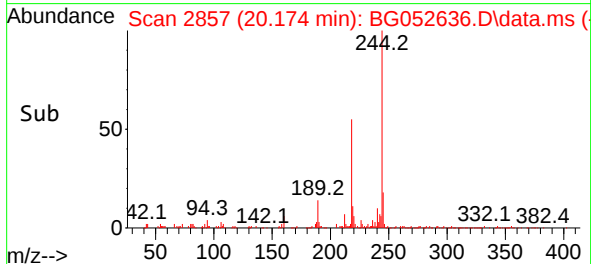
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5



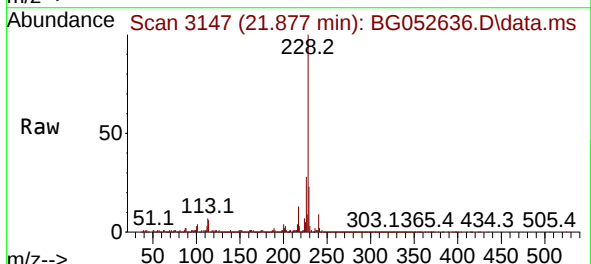
Tgt Ion:244 Resp: 67460
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.2
122 6.9 5.8 8.6

Manual Integrations
APPROVED

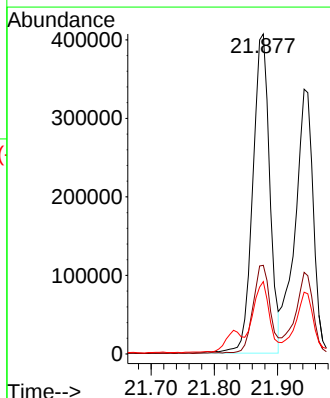
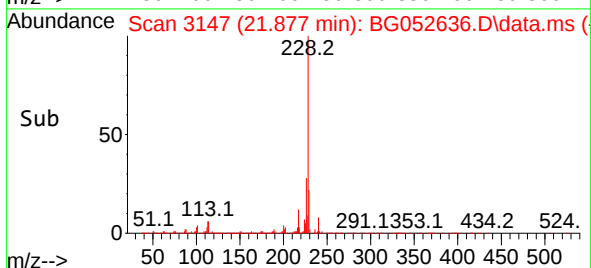
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022

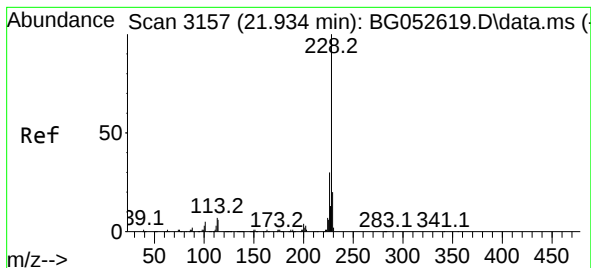


#81
Benzo(a)anthracene
Concen: 58.715 ng
RT: 21.877 min Scan# 3147
Delta R.T. 0.014 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20



Tgt Ion:228 Resp: 758505
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.0
229 22.6 16.7 25.1





#83

Chrysene

Concen: 55.757 ng m

RT: 21.942 min Scan# 3157

Delta R.T. 0.008 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

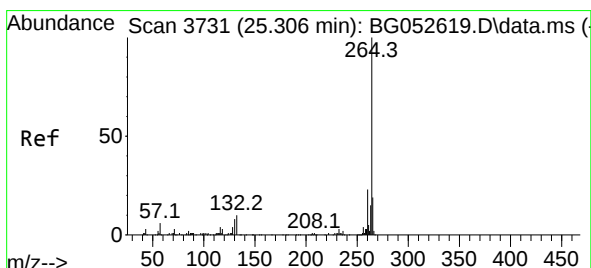
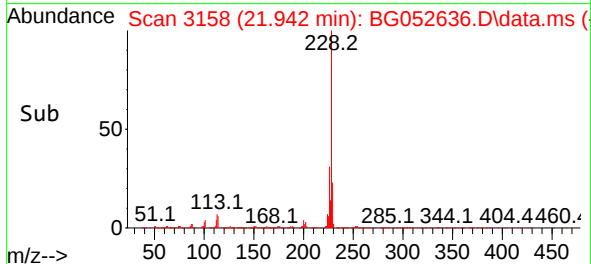
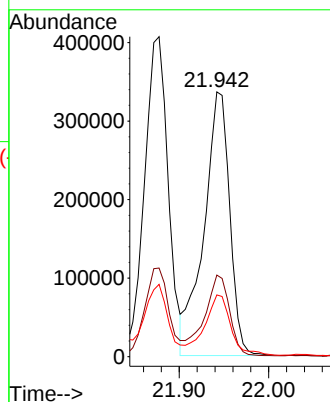
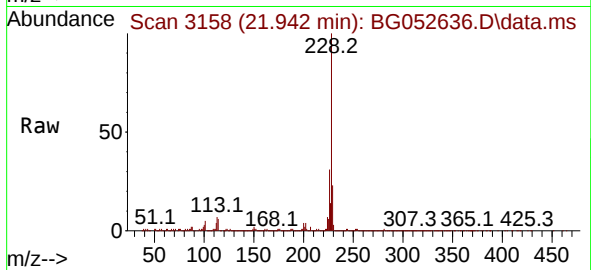
Tgt Ion:228 Resp: 673479

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.4
229	23.3	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.332 min Scan# 3735

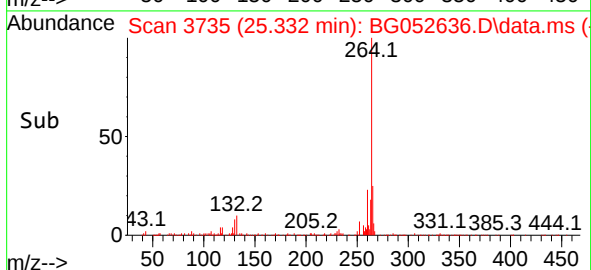
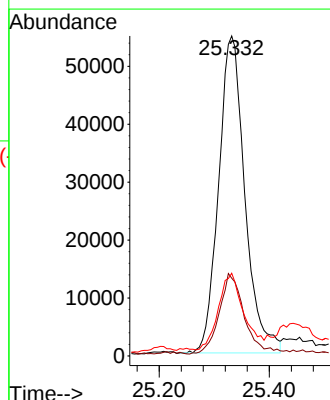
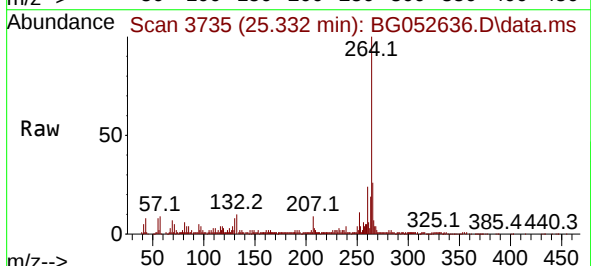
Delta R.T. 0.026 min

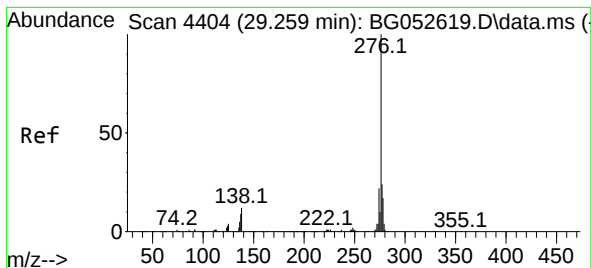
Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Tgt Ion:264 Resp: 181340

Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.2	27.2
265	25.9	15.1	22.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.112 ng

RT: 29.279 min Scan# 4404

Delta R.T. 0.020 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

Tgt Ion:276 Resp: 261358

Ion Ratio Lower Upper

276 100

138 11.1 8.7 13.1

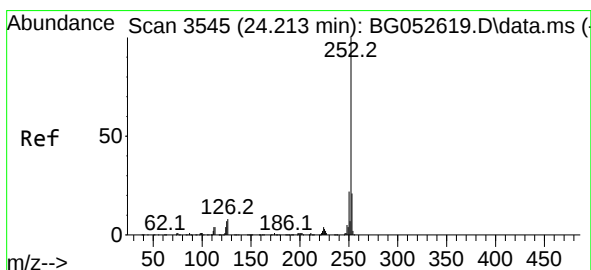
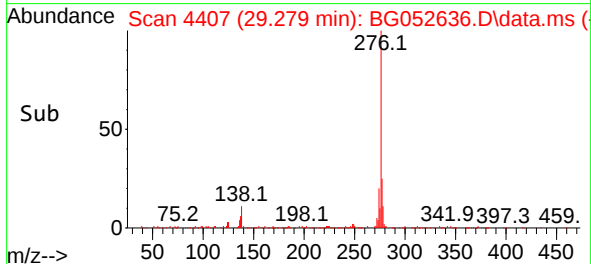
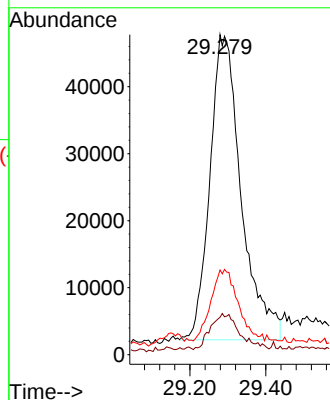
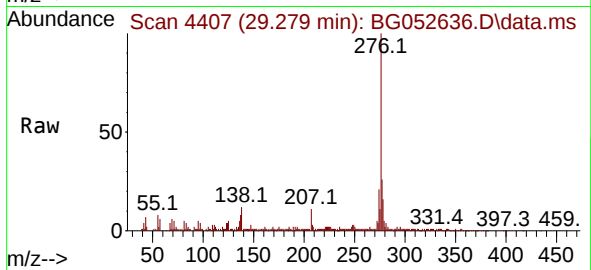
277 20.9 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/11/2022

Supervised By :Jagrut Upadhyay 03/11/2022



#88

Benzo(b)fluoranthene

Concen: 80.292 ng

RT: 24.245 min Scan# 3550

Delta R.T. 0.032 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

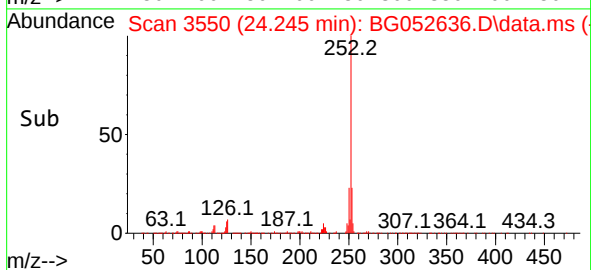
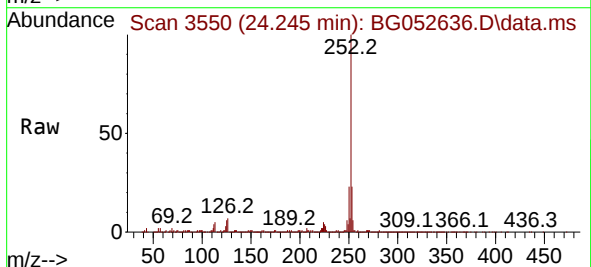
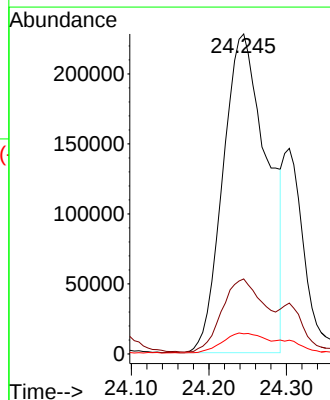
Tgt Ion:252 Resp: 898968

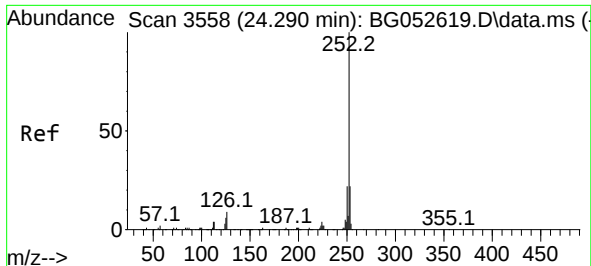
Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

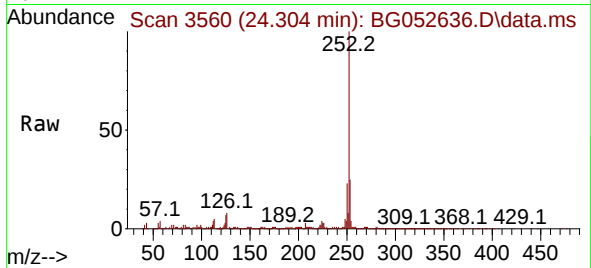
125 6.3 5.2 7.8





#89
Benzo(k)fluoranthene
Concen: 24.195 ng m
RT: 24.304 min Scan# 31
Delta R.T. 0.014 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

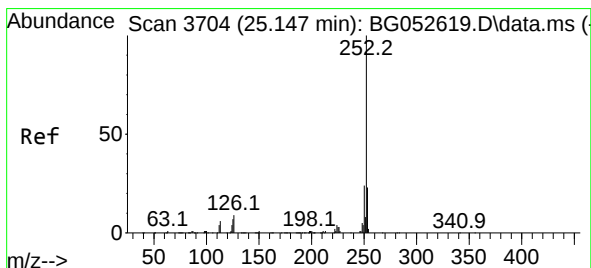
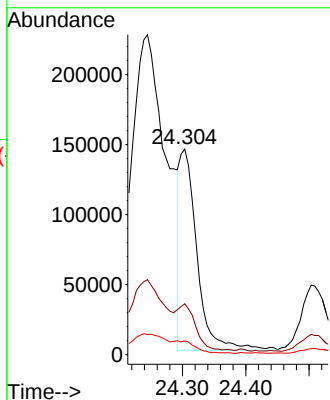
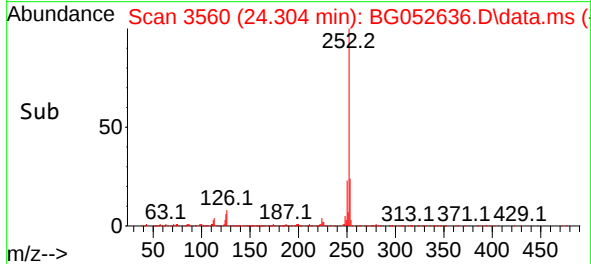
Instrument :
BNA_G
ClientSampleId :
CG-B3-030722-2-5



Tgt Ion:252 Resp: 27243
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.0
125 6.7 5.0 7.4

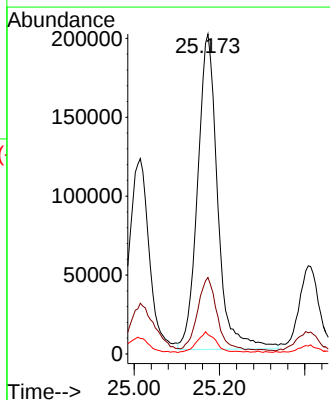
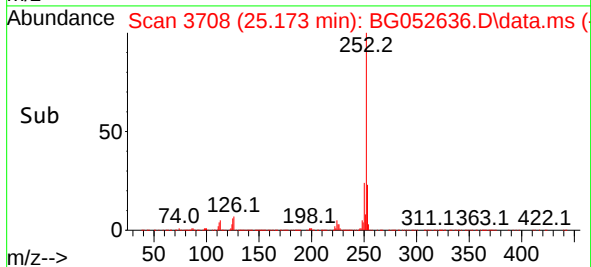
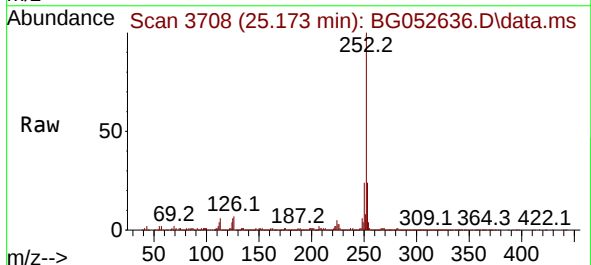
Manual Integrations
APPROVED

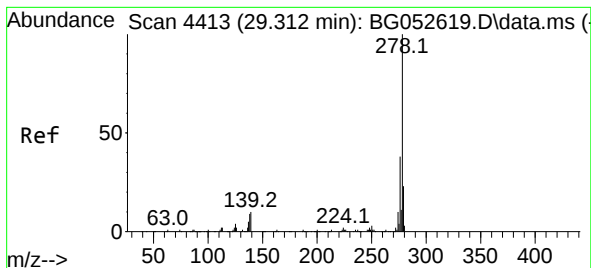
Reviewed By :Christian Giraldo 03/11/2022
Supervised By :Jagrut Upadhyay 03/11/2022



#90
Benzo(a)pyrene
Concen: 68.700 ng
RT: 25.173 min Scan# 3708
Delta R.T. 0.026 min
Lab File: BG052636.D
Acq: 10 Mar 2022 16:20

Tgt Ion:252 Resp: 650804
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 6.1 5.6 8.4





#91

Dibenzo(a,h)anthracene

Concen: 5.422 ng

RT: 29.338 min Scan# 4413

Delta R.T. 0.026 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Instrument :

BNA_G

ClientSampleId :

CG-B3-030722-2-5

Tgt Ion:278 Resp: 5846

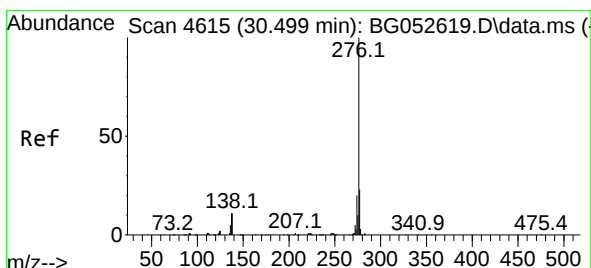
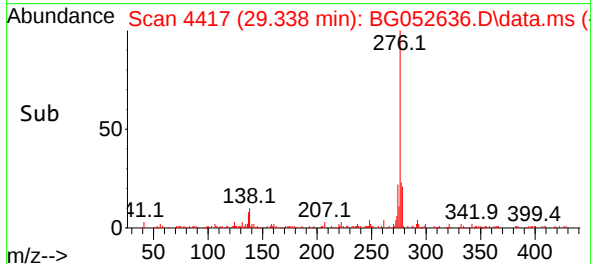
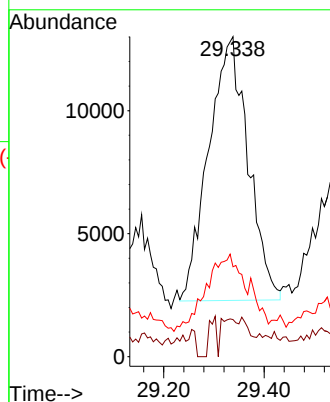
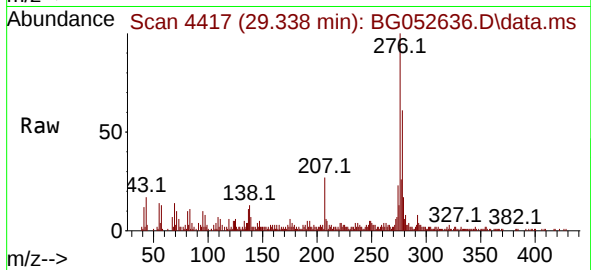
Ion	Ratio	Lower	Upper
278	100		
139	11.6	7.8	11.6
279	28.1	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/11/2022

Supervised By :Jagrut Upadhyay 03/11/2022



#92

Benzo(g,h,i)perylene

Concen: 22.090 ng

RT: 30.530 min Scan# 4620

Delta R.T. 0.032 min

Lab File: BG052636.D

Acq: 10 Mar 2022 16:20

Tgt Ion:276 Resp: 232504

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.2	27.2
138	11.3	9.1	13.7

