

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053050.D
 Acq On : 6 Apr 2022 2:59
 Operator : CG/JU
 Sample : N2256-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-040422

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2022
 Supervised By : Jagrut Upadhyay 04/06/2022

Quant Time: Apr 06 04:16:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 14:24:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.131	152	49635	20.000	ng	-0.01
21) Naphthalene-d8	10.945	136	197559	20.000	ng	-0.01
39) Acenaphthene-d10	14.752	164	127666	20.000	ng	-0.01
64) Phenanthrene-d10	17.495	188	257475	20.000	ng	0.00
76) Chrysene-d12	21.778	240	228007	20.000	ng	-0.02
86) Perylene-d12	25.091	264	230504	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.693	112	51371	18.024	ng	0.00
7) Phenol-d6	7.279	99	76494	17.802	ng	0.00
23) Nitrobenzene-d5	9.289	82	54135	13.753	ng	-0.01
42) 2,4,6-Tribromophenol	16.232	330	29231	17.039	ng	-0.01
45) 2-Fluorobiphenyl	13.377	172	108563	12.542	ng	-0.01
79) Terphenyl-d14	20.092	244	143308	11.180	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.536	178	30954	2.247	ng	98
75) Fluoranthene	19.539	202	68924	3.942	ng	98
78) Pyrene	19.904	202	77514	4.901	ng	95
81) Benzo(a)anthracene	21.754	228	46208	3.027	ng	99
83) Chrysene	21.825	228	48876	3.405	ng	96
88) Benzo(b)fluoranthene	24.033	252	76297m	5.331	ng	
89) Benzo(k)fluoranthene	24.092	252	29639m	2.105	ng	
90) Benzo(a)pyrene	24.938	252	55643	4.593	ng	# 90
92) Benzo(g,h,i)perylene	30.049	276	27029m	2.101	ng	

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

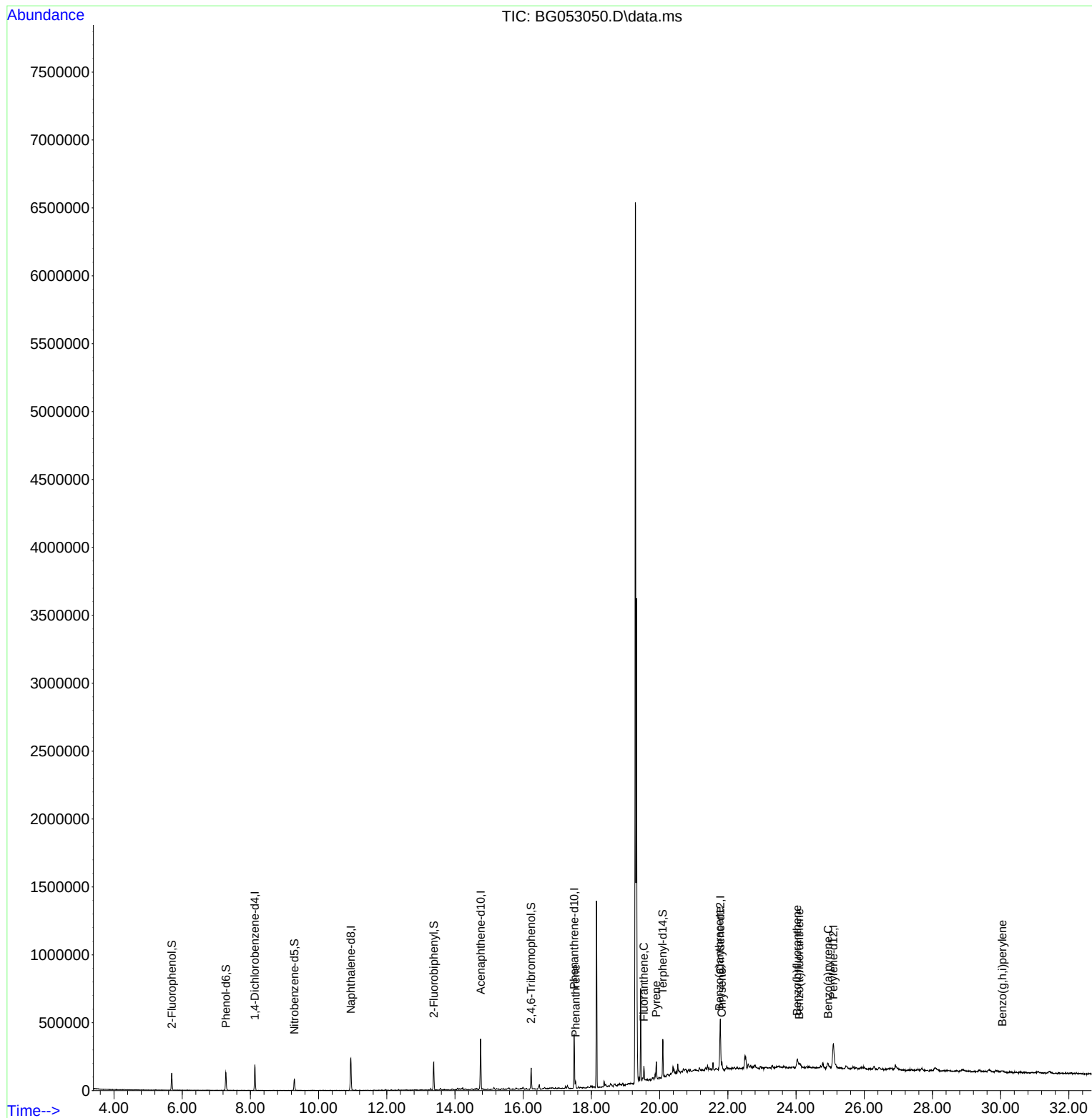
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
Data File : BG053050.D
Acq On : 6 Apr 2022 2:59
Operator : CG/JU
Sample : N2256-03 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

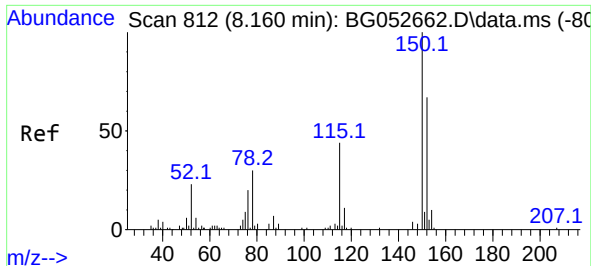
Instrument :
BNA_G
ClientSampleId :
SU-03-040422

Quant Time: Apr 06 04:16:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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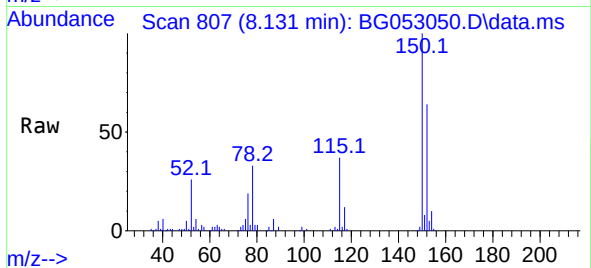
Reviewed By : Christian Giraldo 04/06/2022
Supervised By : Jagrut Upadhyay 04/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.131 min Scan# 807
Delta R.T. -0.015 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

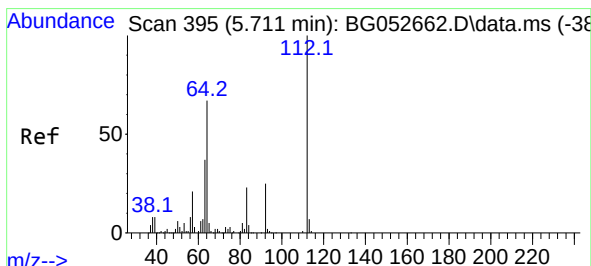
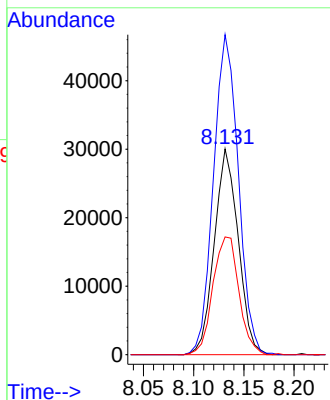
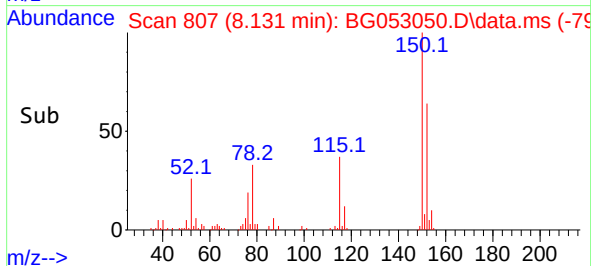
Instrument :
BNA_G
ClientSampleId :
SU-03-040422



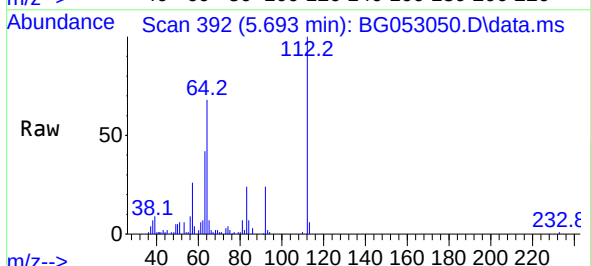
Tgt Ion:152 Resp: 4963
Ion Ratio Lower Upper
152 100
150 155.6 114.6 172.0
115 57.2 45.9 68.9

Manual Integrations
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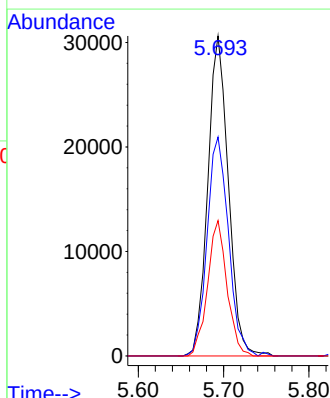
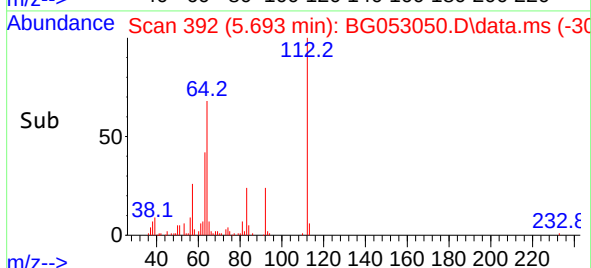
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

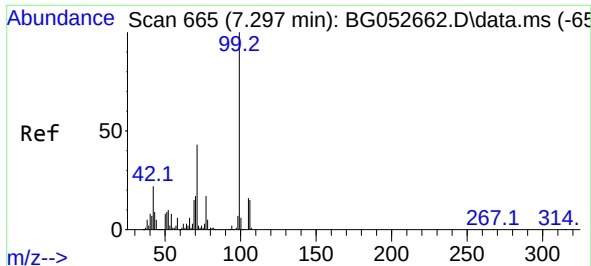


#5
2-Fluorophenol
Concen: 18.024 ng
RT: 5.693 min Scan# 392
Delta R.T. -0.003 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59



Tgt Ion:112 Resp: 51371
Ion Ratio Lower Upper
112 100
64 68.4 48.0 72.0
63 42.3 26.5 39.7





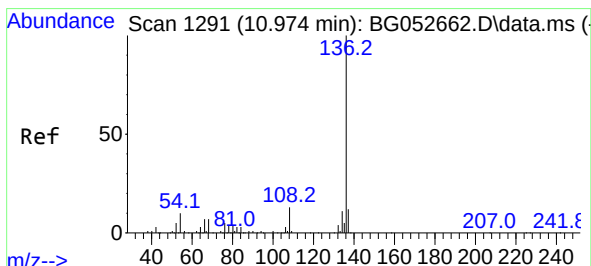
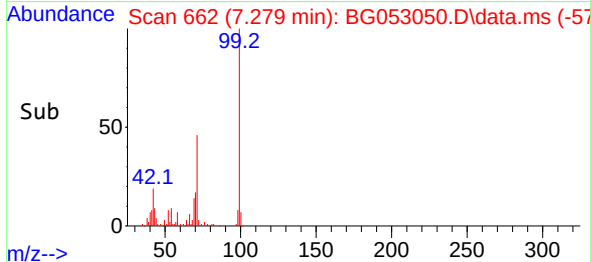
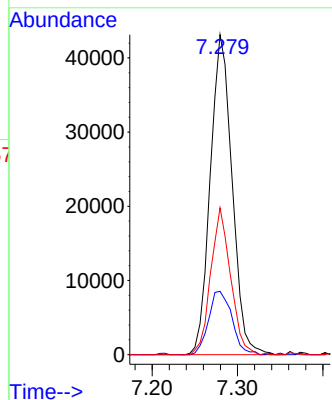
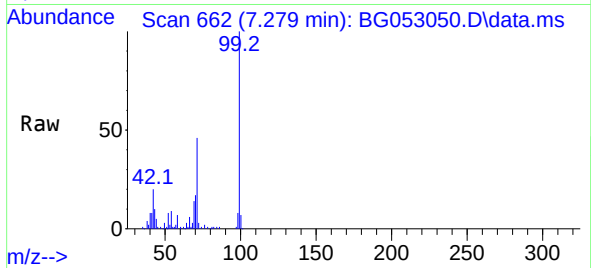
#7
Phenol-d6
Concen: 17.802 ng
RT: 7.279 min Scan# 60
Delta R.T. -0.009 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

Instrument :
BNA_G
ClientSampleId :
SU-03-040422

Tgt Ion: 99 Resp: 76494
Ion Ratio Lower Upper
99 100
42 19.8 14.7 22.1
71 45.9 29.2 43.8

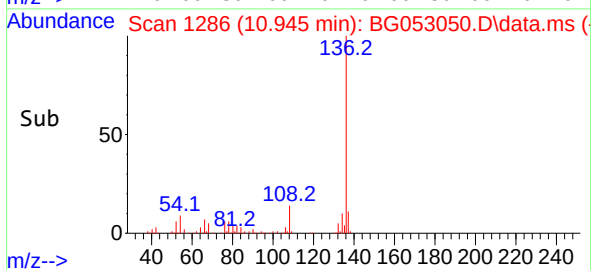
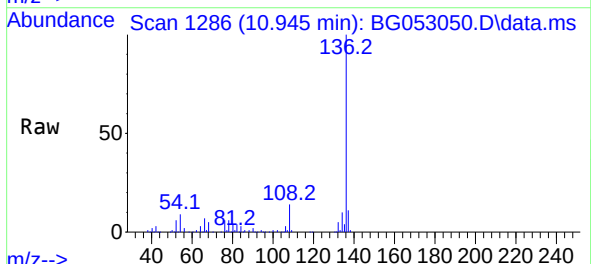
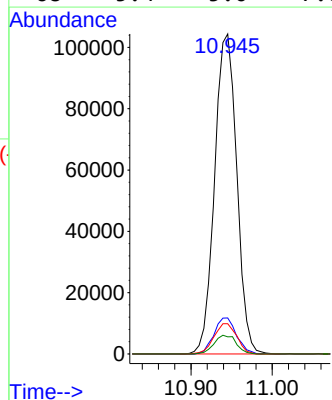
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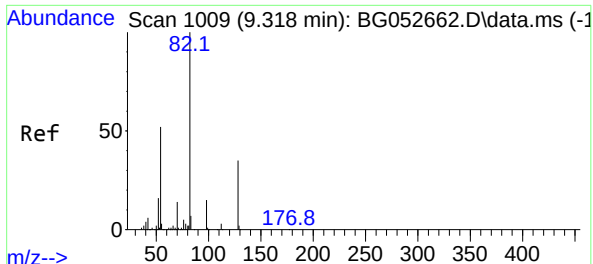
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.945 min Scan# 1286
Delta R.T. -0.015 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

Tgt Ion:136 Resp: 197559
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.2
54 9.5 6.4 9.6
68 5.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 13.753 ng

RT: 9.289 min Scan# 1004

Delta R.T. -0.015 min

Lab File: BG053050.D

Acq: 6 Apr 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SU-03-040422

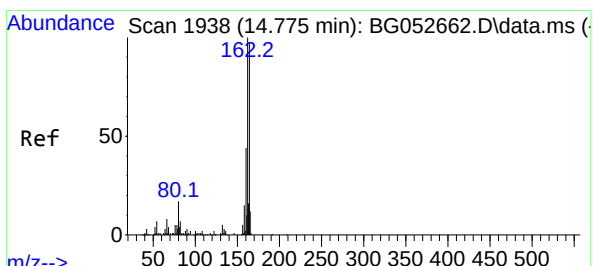
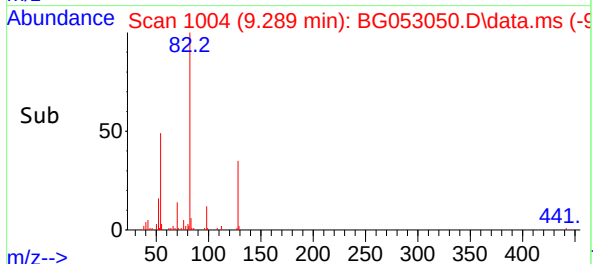
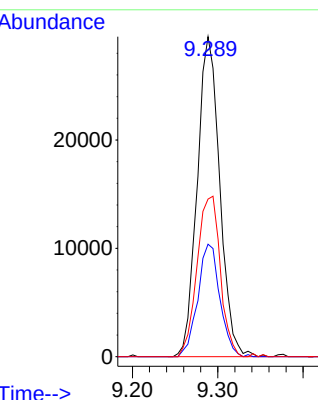
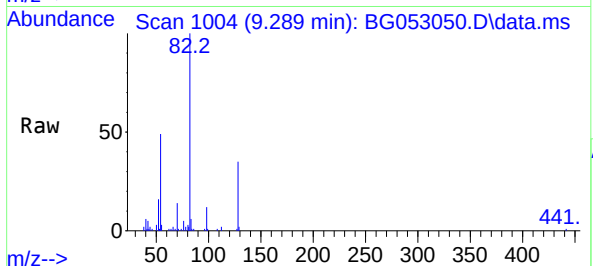
Tgt Ion: 82	Resp: 5413
Ion Ratio	Lower Upper
82 100	
128 35.2	31.3 46.9
54 49.2	37.8 56.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/06/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

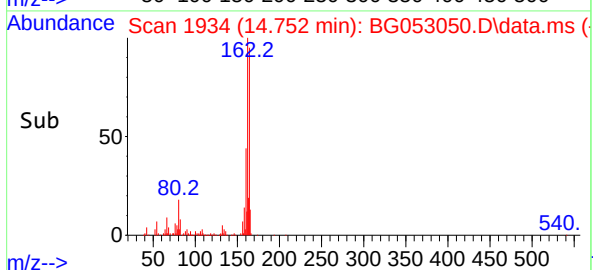
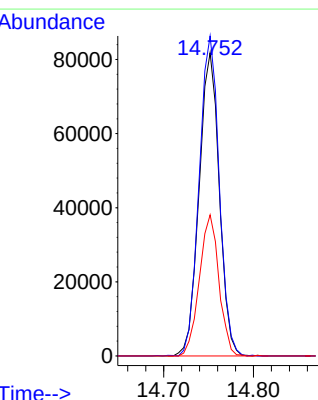
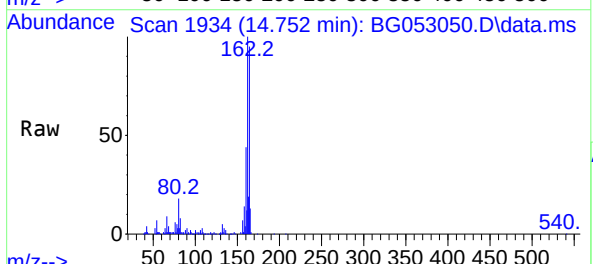
RT: 14.752 min Scan# 1934

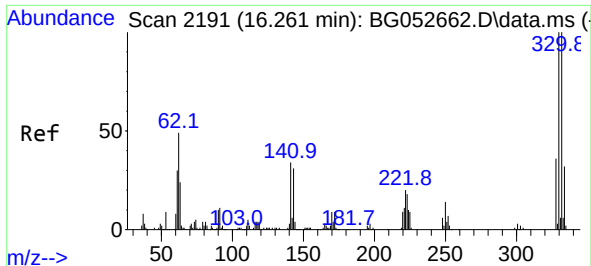
Delta R.T. -0.015 min

Lab File: BG053050.D

Acq: 6 Apr 2022 2:59

Tgt Ion:164	Resp: 127666
Ion Ratio	Lower Upper
164 100	
162 105.5	80.0 120.0
160 46.6	38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 17.039 ng
RT: 16.232 min Scan# 2191
Delta R.T. -0.015 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

Instrument :

BNA_G

ClientSampleId :

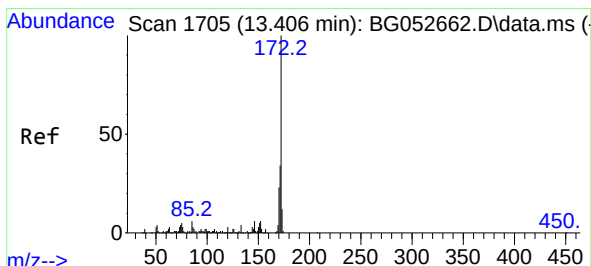
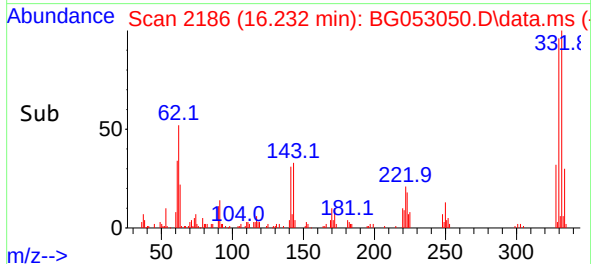
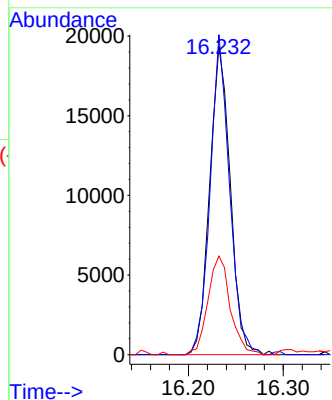
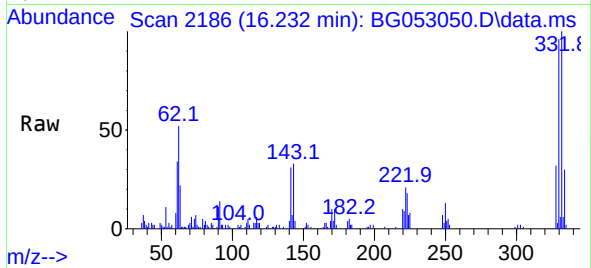
SU-03-040422

Tgt Ion:330 Resp: 2923
Ion Ratio Lower Upper
330 100
332 97.0 75.8 113.6
141 34.6 24.6 36.8

Manual Integrations

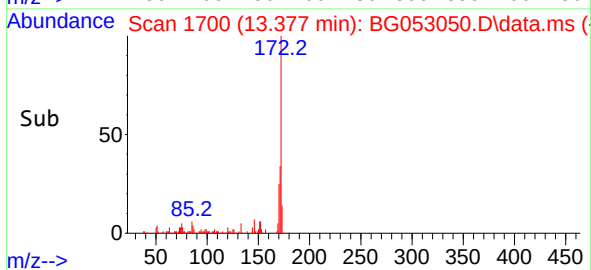
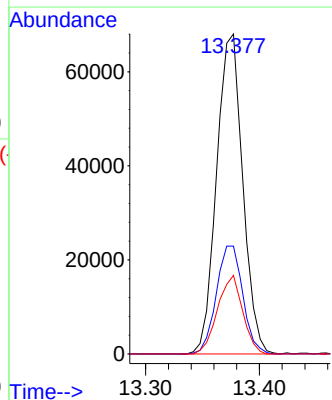
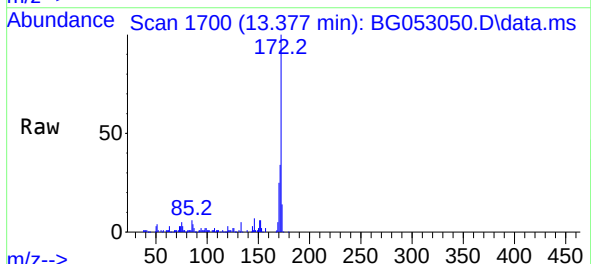
APPROVED

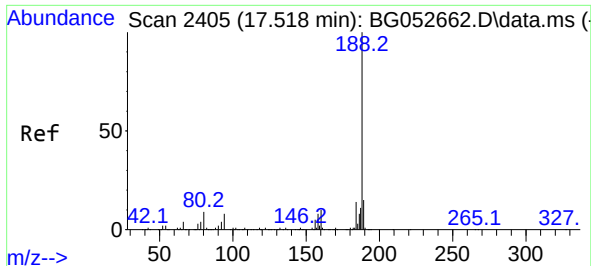
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#45
2-Fluorobiphenyl
Concen: 12.542 ng
RT: 13.377 min Scan# 1700
Delta R.T. -0.015 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

Tgt Ion:172 Resp: 108563
Ion Ratio Lower Upper
172 100
171 33.7 28.3 42.5
170 24.6 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.495 min Scan# 2401
Delta R.T. -0.009 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

Instrument :

BNA_G

ClientSampleId :

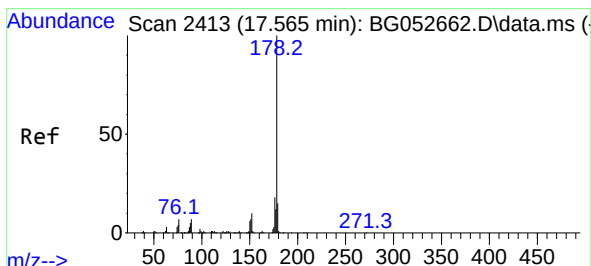
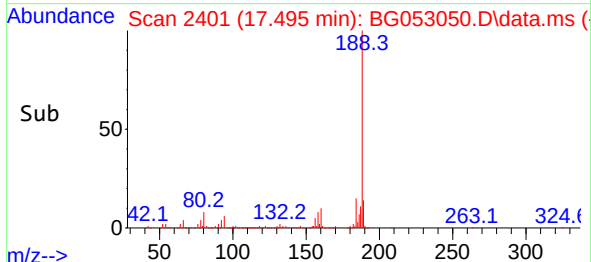
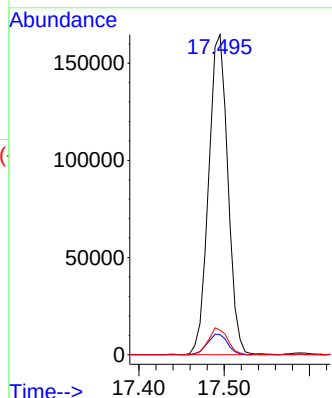
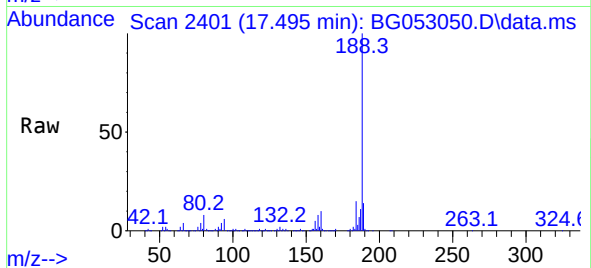
SU-03-040422

Tgt Ion:188 Resp: 25747
Ion Ratio Lower Upper
188 100
94 6.3 5.7 8.5
80 7.7 7.2 10.8

Manual Integrations

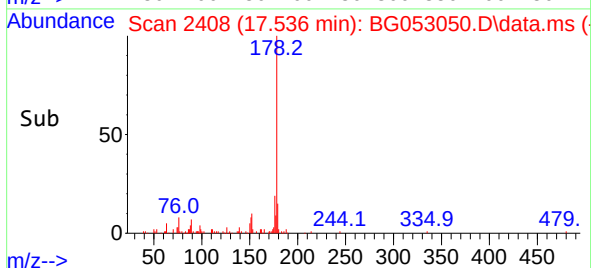
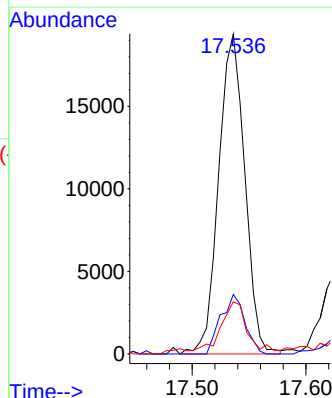
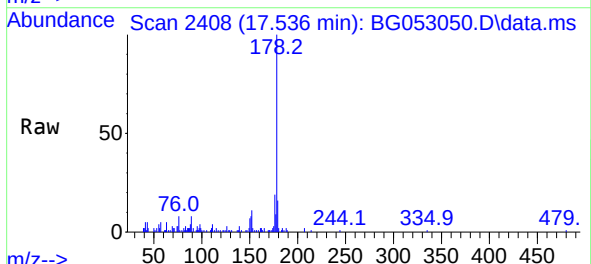
APPROVED

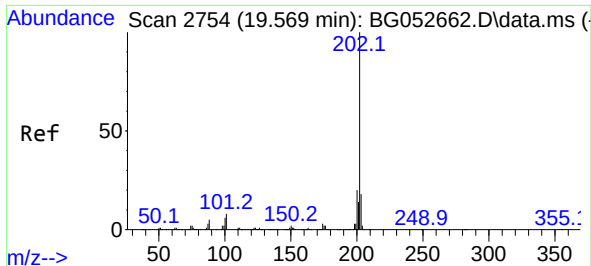
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#71
Phenanthrene
Concen: 2.247 ng
RT: 17.536 min Scan# 2408
Delta R.T. -0.015 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

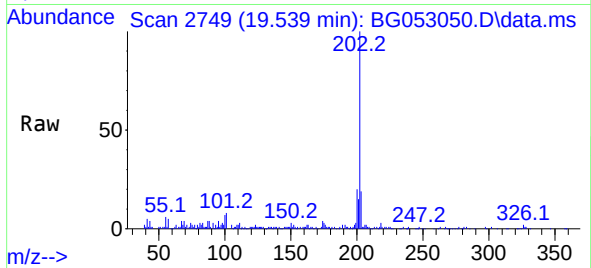
Tgt Ion:178 Resp: 30954
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.3 13.4 20.2





#75
Fluoranthene
Concen: 3.942 ng
RT: 19.539 min Scan# 21
Delta R.T. -0.015 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

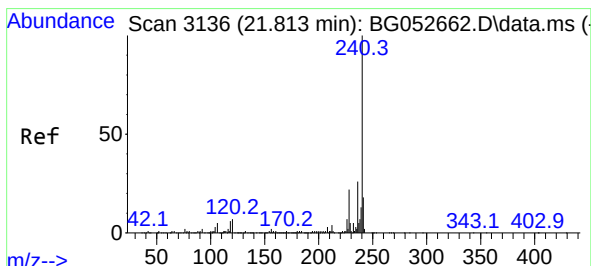
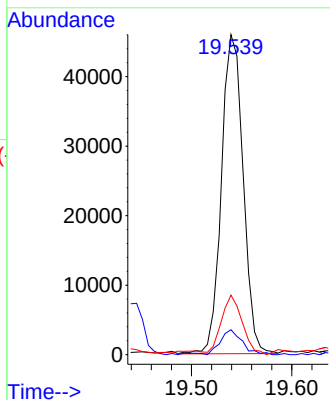
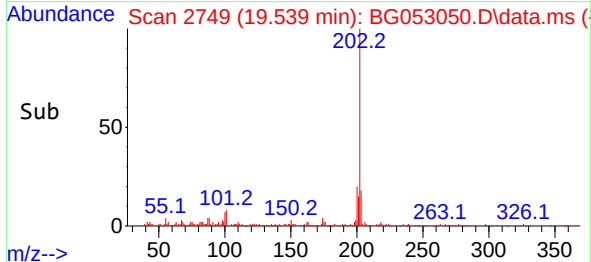
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SU-03-040422



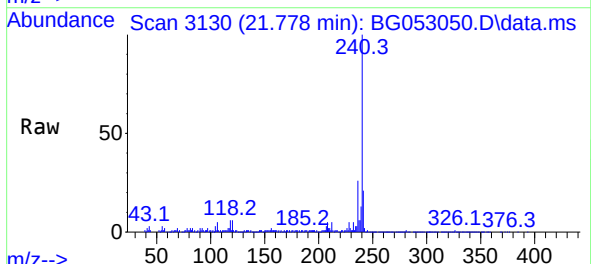
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Ion Ratio Lower Upper
202 100
101 7.8 0.0 27.3
203 18.6 0.0 37.7

Manual Integrations
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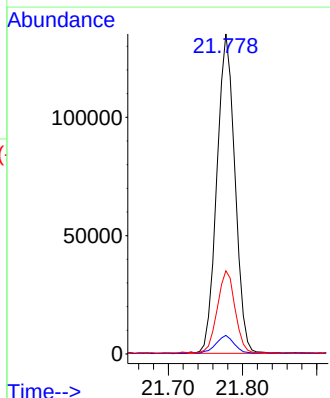
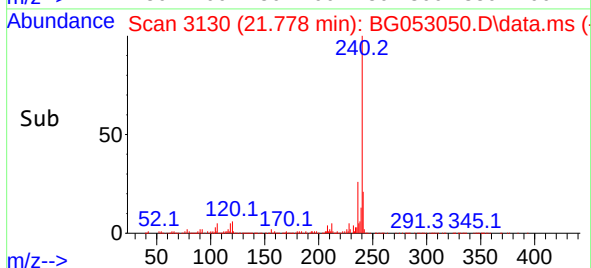
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

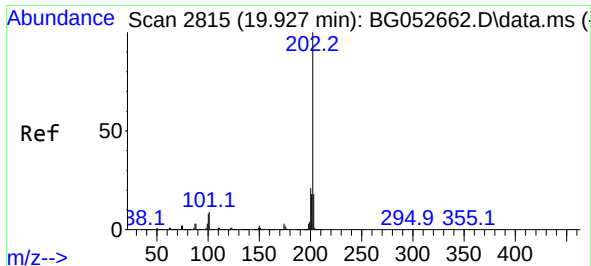


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.778 min Scan# 3130
Delta R.T. -0.021 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59



Tgt Ion:240 Resp: 228007
Ion Ratio Lower Upper
240 100
120 5.8 5.4 8.0
236 26.0 19.8 29.6





#78
 Pyrene
 Concen: 4.901 ng
 RT: 19.904 min Scan# 2815
 Delta R.T. -0.015 min
 Lab File: BG053050.D
 Acq: 6 Apr 2022 2:59

Instrument :

BNA_G

ClientSampleId :

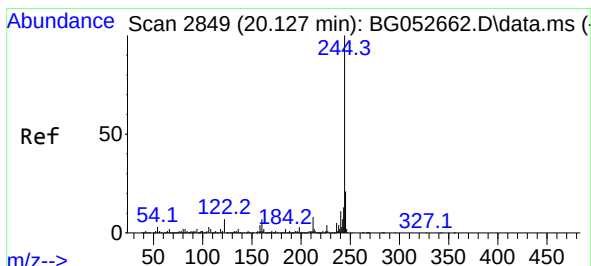
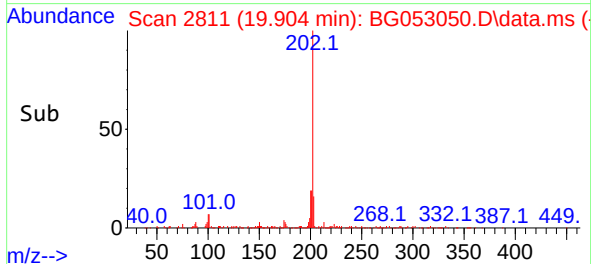
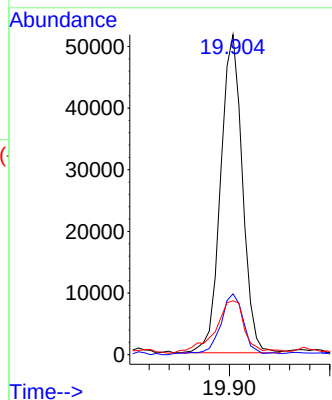
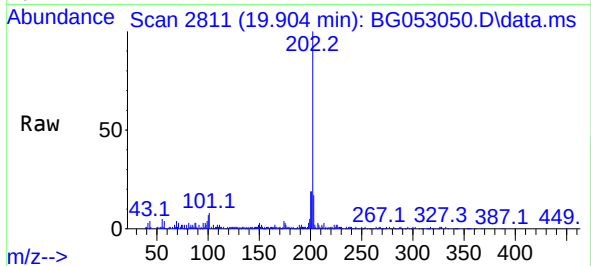
SU-03-040422

Tgt Ion:202 Resp: 77514
 Ion Ratio Lower Upper
 202 100
 200 19.0 17.0 25.6
 203 16.9 15.0 22.6

Manual Integrations

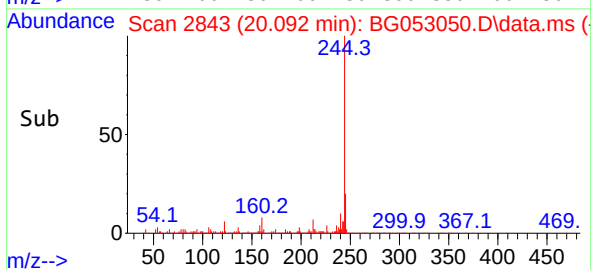
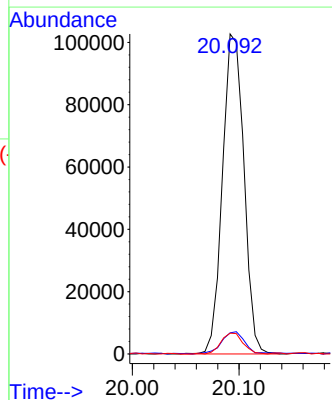
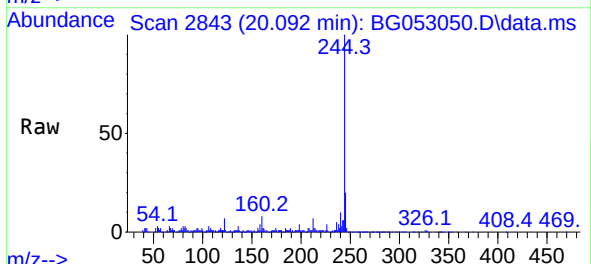
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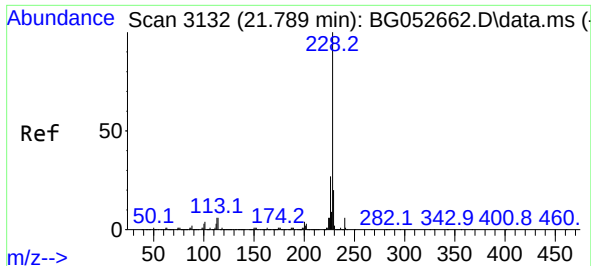
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/06/2022



#79
 Terphenyl-d14
 Concen: 11.180 ng
 RT: 20.092 min Scan# 2843
 Delta R.T. -0.021 min
 Lab File: BG053050.D
 Acq: 6 Apr 2022 2:59

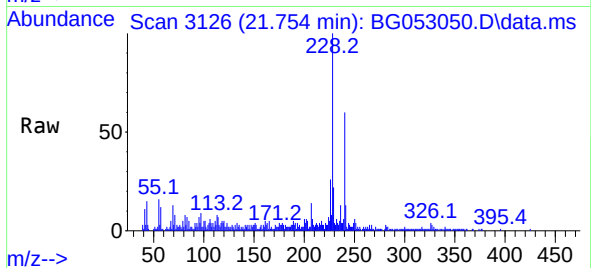
Tgt Ion:244 Resp: 143308
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 6.5 5.8 8.6





#81
Benzo(a)anthracene
Concen: 3.027 ng
RT: 21.754 min Scan# 3126
Delta R.T. -0.021 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

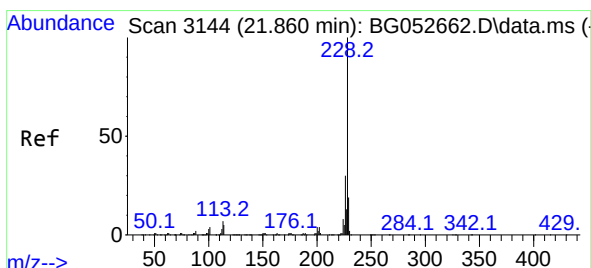
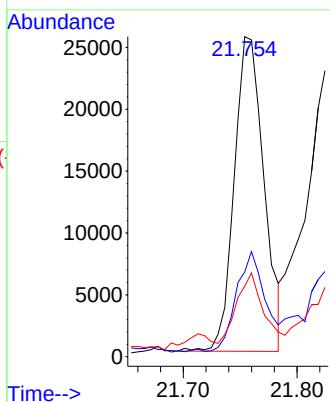
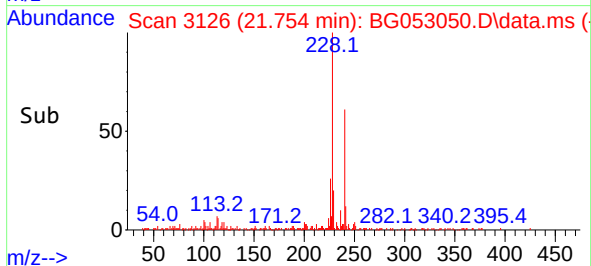
Instrument :
BNA_G
ClientSampleId :
SU-03-040422



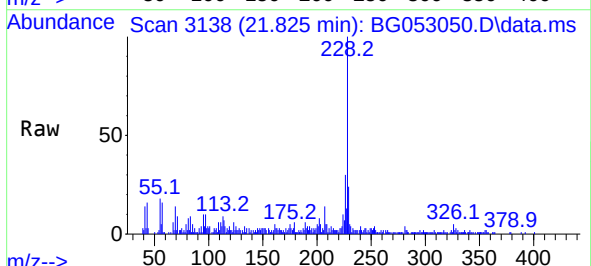
Tgt Ion:228 Resp: 46208
Ion Ratio Lower Upper
228 100
226 26.5 21.4 32.0
229 22.0 16.7 25.1

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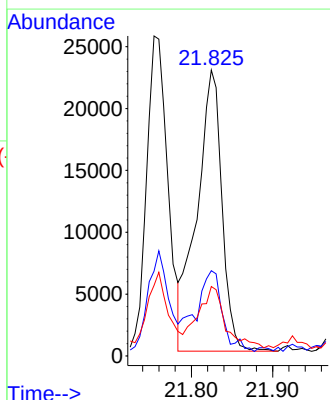
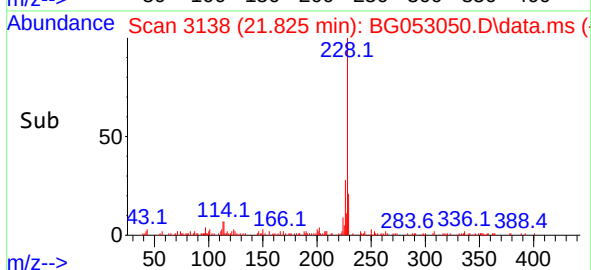
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

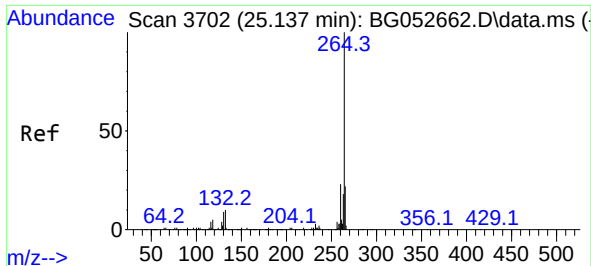


#83
Chrysene
Concen: 3.405 ng
RT: 21.825 min Scan# 3138
Delta R.T. -0.021 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59



Tgt Ion:228 Resp: 48876
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.4
229 24.3 16.3 24.5





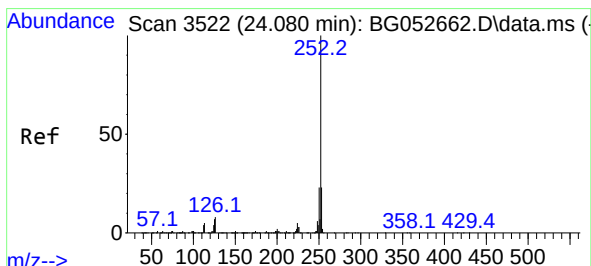
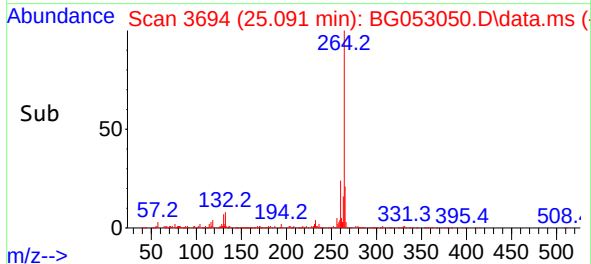
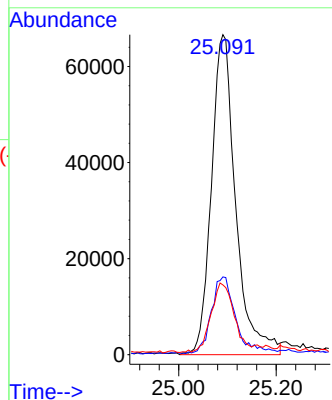
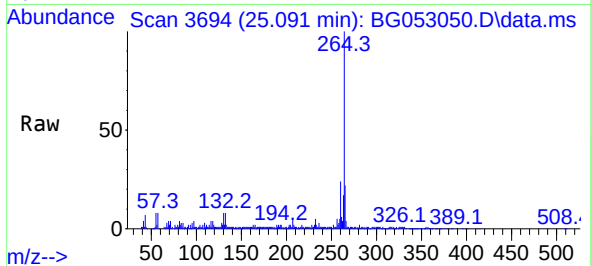
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.091 min Scan# 30
Delta R.T. -0.021 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

Instrument :
BNA_G
ClientSampleId :
SU-03-040422

Tgt Ion:264 Resp: 230504
Ion Ratio Lower Upper
264 100
260 24.3 18.2 27.2
265 21.8 15.1 22.7

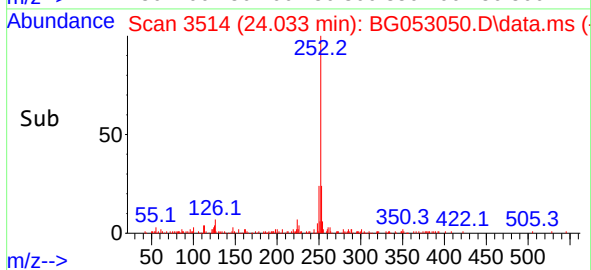
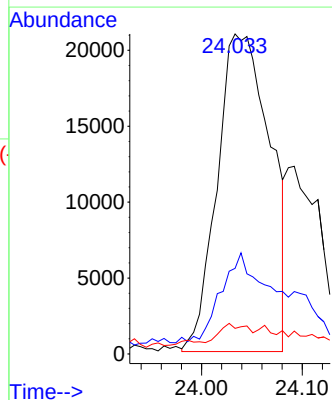
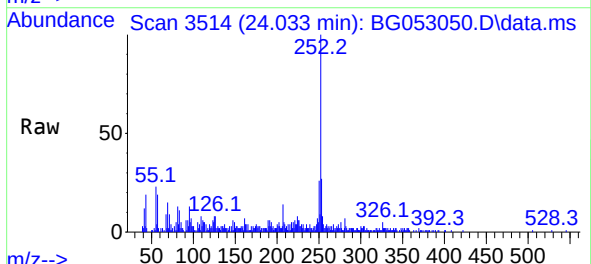
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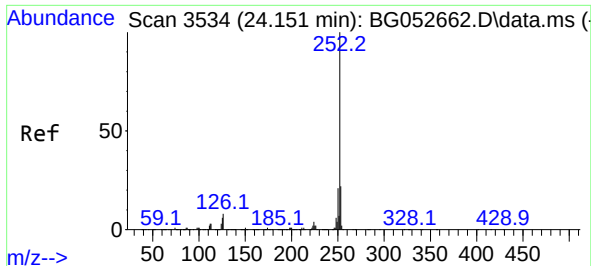
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#88
Benzo(b)fluoranthene
Concen: 5.331 ng m
RT: 24.033 min Scan# 3514
Delta R.T. -0.021 min
Lab File: BG053050.D
Acq: 6 Apr 2022 2:59

Tgt Ion:252 Resp: 76297
Ion Ratio Lower Upper
252 100
253 26.8 17.2 25.8#
125 8.0 5.2 7.8#





#89

Benzo(k)fluoranthene

Concen: 2.105 ng m

RT: 24.092 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG053050.D

Acq: 6 Apr 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SU-03-040422

Tgt Ion:252 Resp: 29639

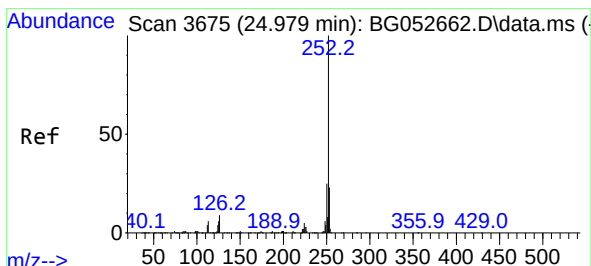
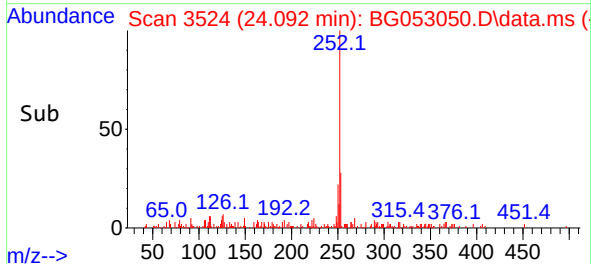
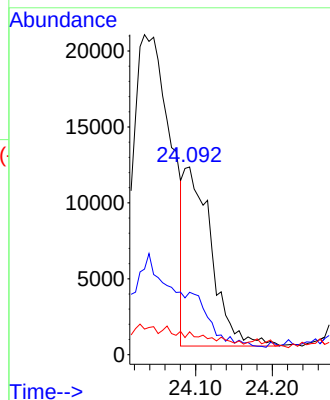
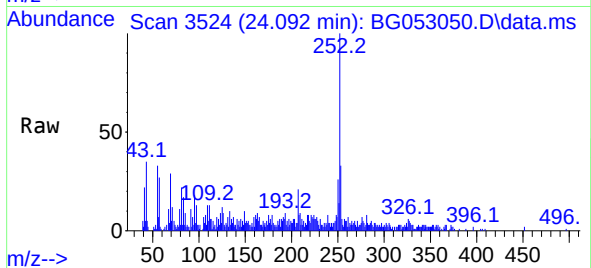
Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.4	26.0
125	12.2	5.0	7.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/06/2022

Supervised By :Jagrut Upadhyay 04/06/2022



#90

Benzo(a)pyrene

Concen: 4.593 ng

RT: 24.938 min Scan# 3668

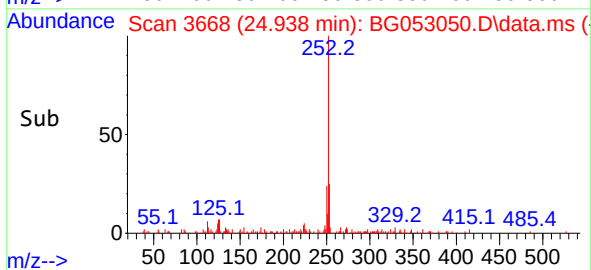
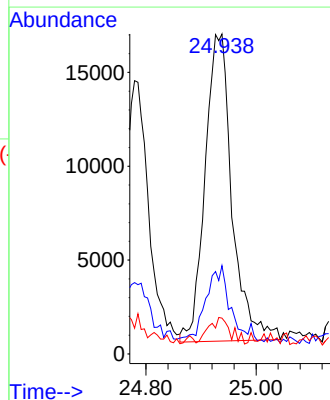
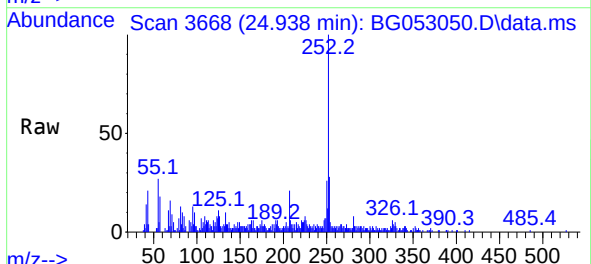
Delta R.T. -0.015 min

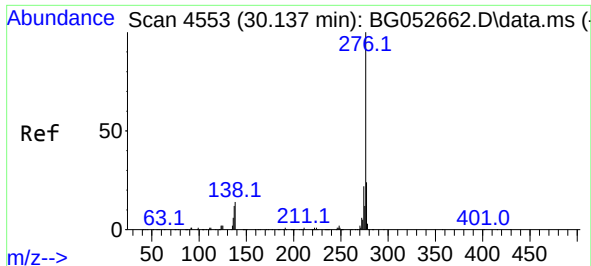
Lab File: BG053050.D

Acq: 6 Apr 2022 2:59

Tgt Ion:252 Resp: 55643

Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6
125	11.2	5.6	8.4





#92

Benzo(g,h,i)perylene

Concen: 2.101 ng m

RT: 30.049 min Scan# 4

Delta R.T. -0.044 min

Lab File: BG053050.D

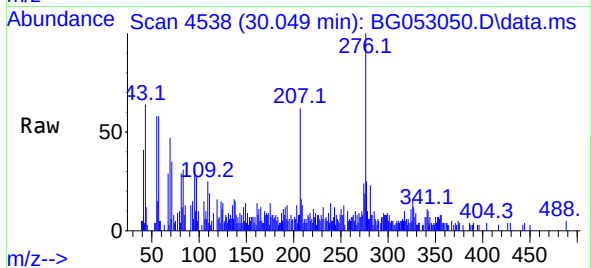
Acq: 6 Apr 2022 2:59

Instrument :

BNA_G

ClientSampleId :

SU-03-040422



Tgt Ion:	276	Resp:	27029
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.2	27.2
138	14.8	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2022

Supervised By :Jagrut Upadhyay 04/06/2022

