

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053049.D
 Acq On : 6 Apr 2022 2:20
 Operator : CG/JU
 Sample : N2256-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-040422

Manual Integrations
 APPROVED

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

Quant Time: Apr 06 04:16:38 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							04/06/2022 Supervised By : Jagrut Upadhyay
1) 1,4-Dichlorobenzene-d4	8.134	152	45203	20.000	ng	-0.01	
21) Naphthalene-d8	10.942	136	184810	20.000	ng	-0.02	
39) Acenaphthene-d10	14.749	164	129871	20.000	ng	-0.02	
64) Phenanthrene-d10	17.492	188	268086	20.000	ng	-0.01	
76) Chrysene-d12	21.774	240	246075	20.000	ng	-0.02	
86) Perylene-d12	25.088	264	250343	20.000	ng	-0.02	04/06/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.690	112	50112	19.306	ng	0.00	
7) Phenol-d6	7.276	99	78042	19.943	ng	-0.01	
23) Nitrobenzene-d5	9.285	82	54764	14.873	ng	-0.02	
42) 2,4,6-Tribromophenol	16.235	330	32674	18.723	ng	-0.01	
45) 2-Fluorobiphenyl	13.374	172	123932	14.074	ng	-0.02	
79) Terphenyl-d14	20.094	244	181782	13.141	ng	-0.02	
Target Compounds						Qvalue	
71) Phenanthrene	17.533	178	114320	7.971	ng		96
75) Fluoranthene	19.542	202	156512	8.597	ng		99
78) Pyrene	19.900	202	174609	10.229	ng		98
81) Benzo(a)anthracene	21.757	228	91220	5.536	ng		98
83) Chrysene	21.821	228	84926	5.482	ng		98
87) Indeno(1,2,3-cd)pyrene	28.877	276	48826m	2.849	ng		
88) Benzo(b)fluoranthene	24.036	252	120775	7.770	ng	#	92
89) Benzo(k)fluoranthene	24.089	252	36768m	2.404	ng		
90) Benzo(a)pyrene	24.923	252	93950	7.140	ng		97
92) Benzo(g,h,i)perylene	30.034	276	43285m	3.098	ng		

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

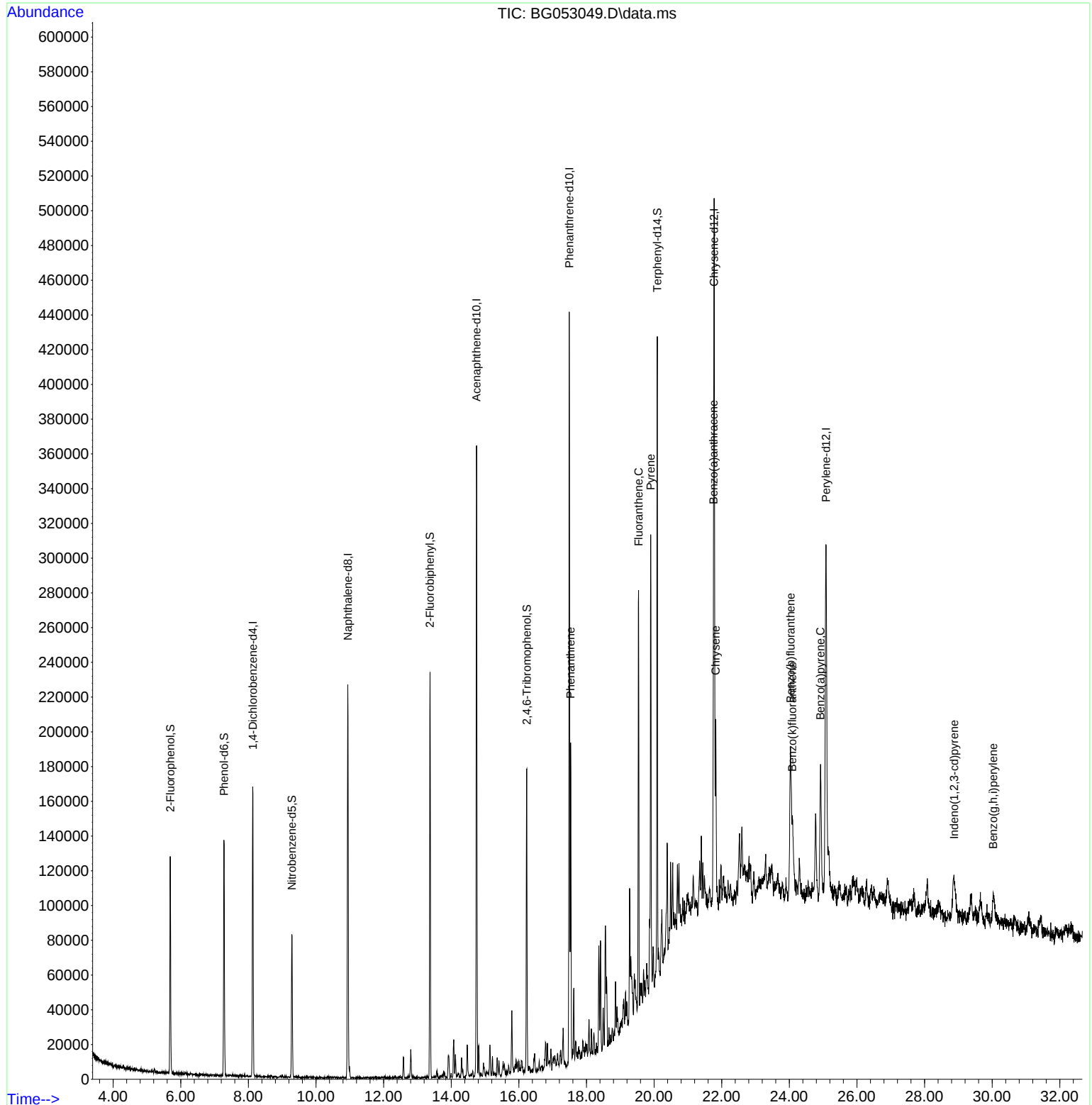
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
Data File : BG053049.D
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Manual Integrations
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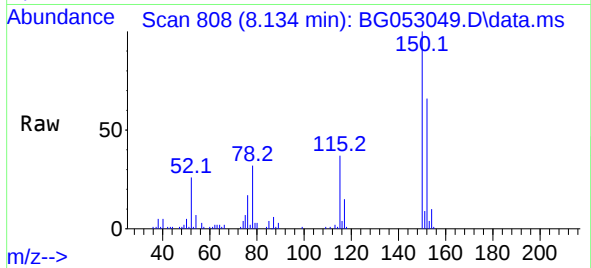
Reviewed By : Christian Giraldo 04/06/2022
Supervised By : Jagrut Upadhyay 04/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 808
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

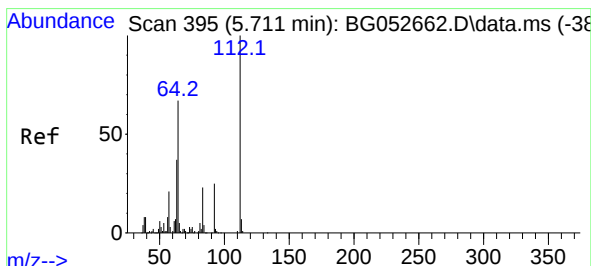
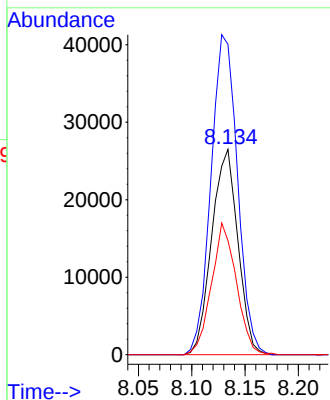
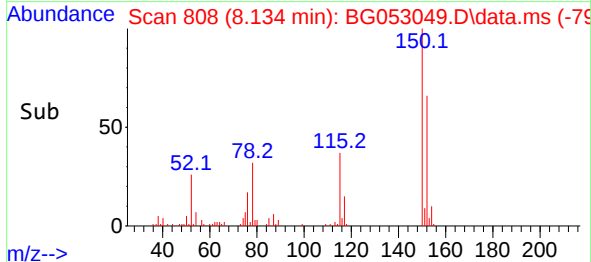
Instrument :
BNA_G
ClientSampleId :
SU-02-040422



Tgt Ion:152 Resp: 4520
Ion Ratio Lower Upper
152 100
150 151.2 114.6 172.0
115 55.5 45.9 68.9

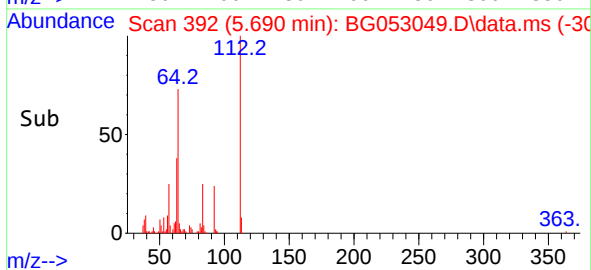
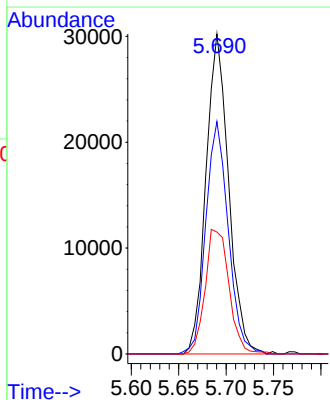
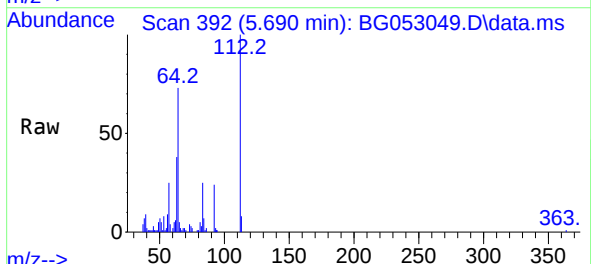
Manual Integrations
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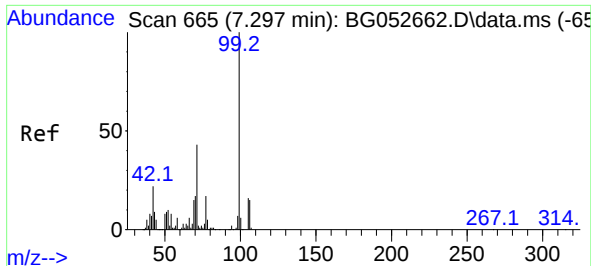
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#5
2-Fluorophenol
Concen: 19.306 ng
RT: 5.690 min Scan# 392
Delta R.T. -0.006 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

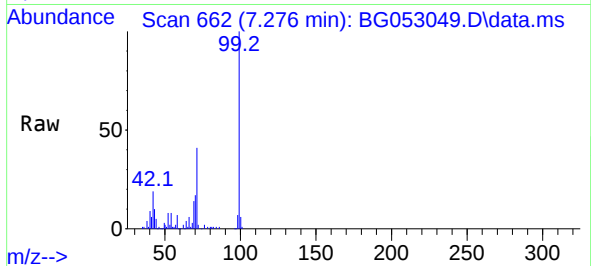
Tgt Ion:112 Resp: 50112
Ion Ratio Lower Upper
112 100
64 72.6 48.0 72.0#
63 38.1 26.5 39.7





#7
Phenol-d6
Concen: 19.943 ng
RT: 7.276 min Scan# 60
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

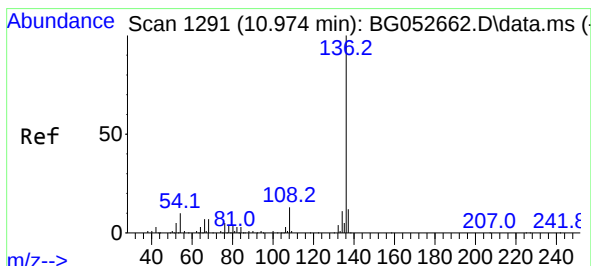
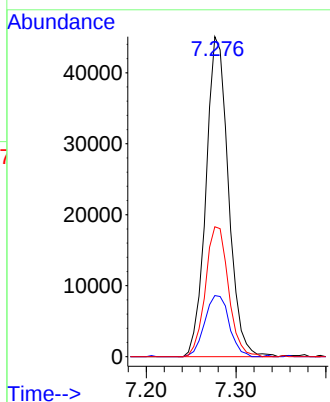
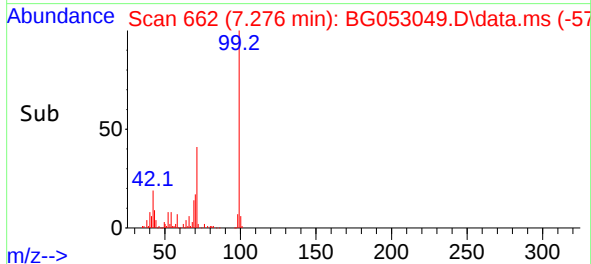
Instrument :
BNA_G
ClientSampleId :
SU-02-040422



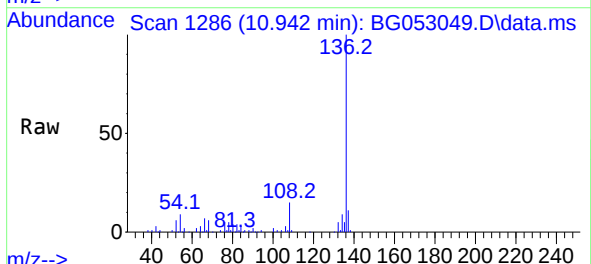
Tgt Ion: 99 Resp: 7804
Ion Ratio Lower Upper
99 100
42 19.1 14.7 22.1
71 40.6 29.2 43.8

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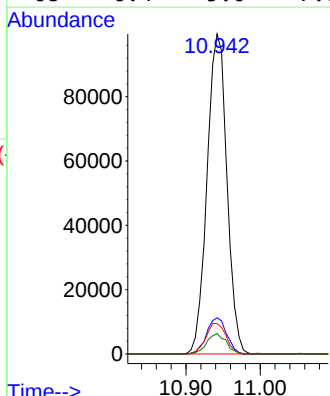
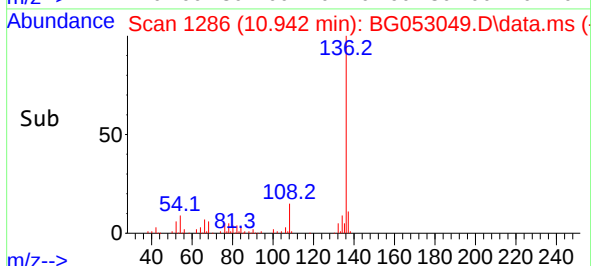
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

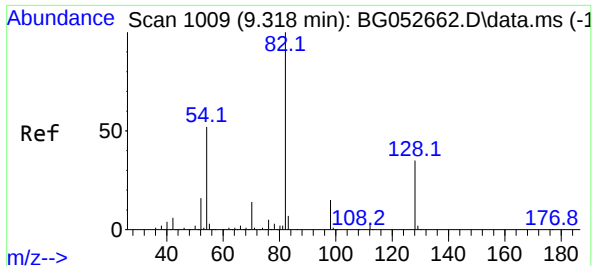


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.942 min Scan# 1286
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20



Tgt Ion:136 Resp: 184810
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.2
54 9.5 6.4 9.6
68 6.4 5.0 7.6





#23

Nitrobenzene-d5

Concen: 14.873 ng

RT: 9.285 min Scan# 1004

Delta R.T. -0.018 min

Lab File: BG053049.D

Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

SU-02-040422

Tgt Ion: 82 Resp: 54764

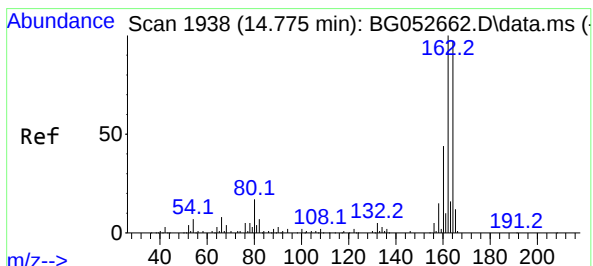
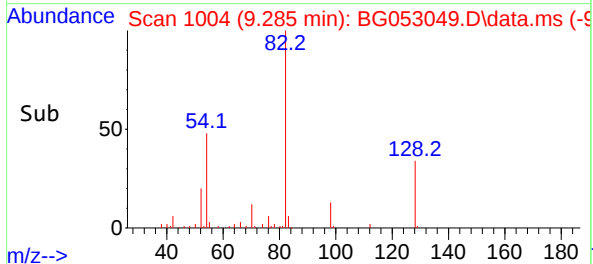
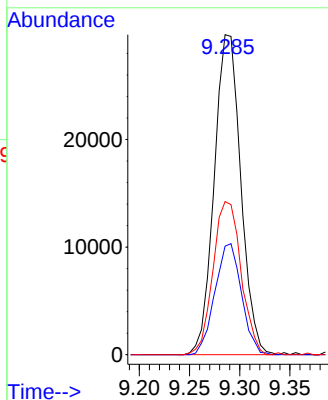
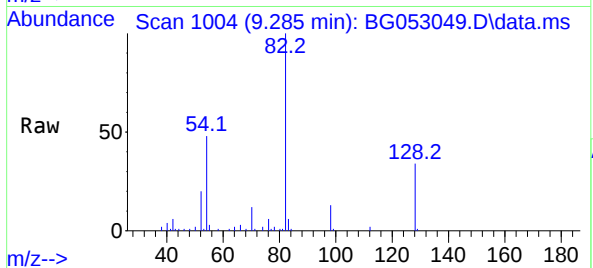
Ion	Ratio	Lower	Upper
82	100		
128	33.9	31.3	46.9
54	47.8	37.8	56.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.749 min Scan# 1934

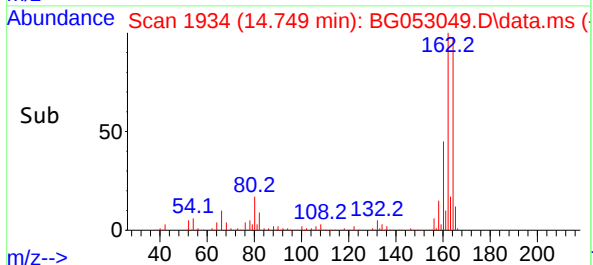
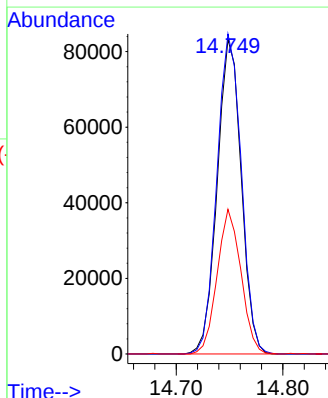
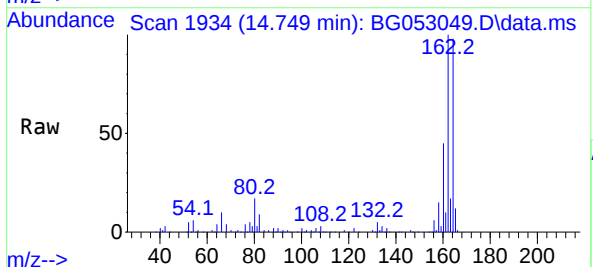
Delta R.T. -0.018 min

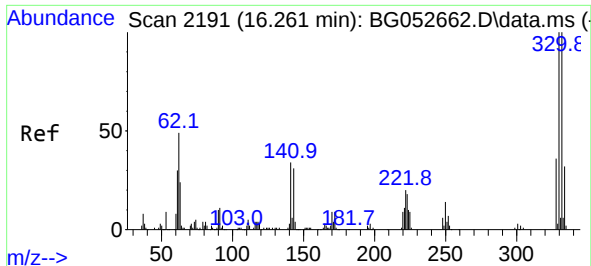
Lab File: BG053049.D

Acq: 6 Apr 2022 2:20

Tgt Ion:164 Resp: 129871

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.0	120.0
160	46.0	38.8	58.2





#42
2,4,6-Tribromophenol
Concen: 18.723 ng
RT: 16.235 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

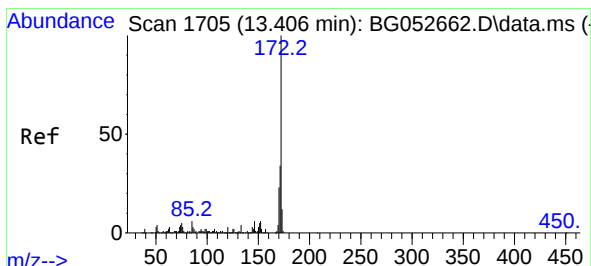
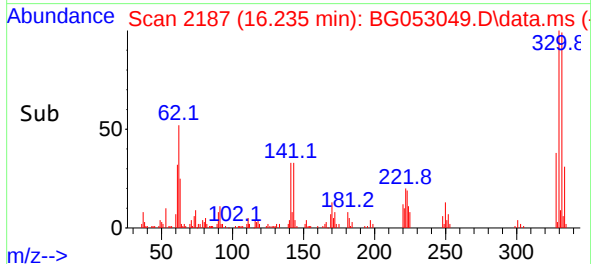
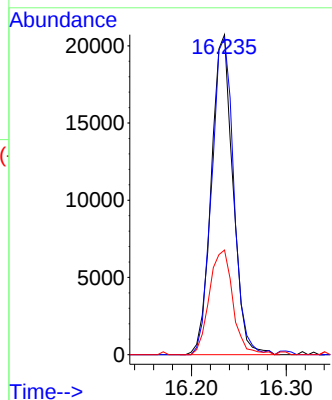
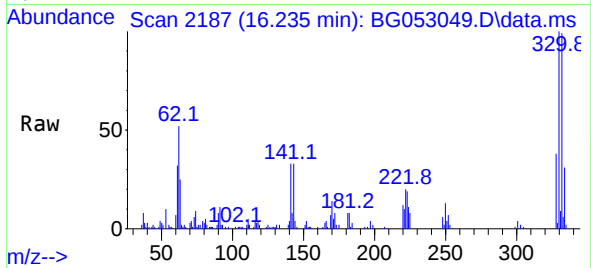
SU-02-040422

Tgt Ion:330 Resp: 32674
Ion Ratio Lower Upper
330 100
332 100.8 75.8 113.6
141 35.7 24.6 36.8

Manual Integrations

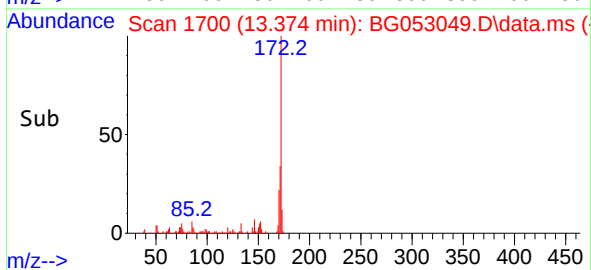
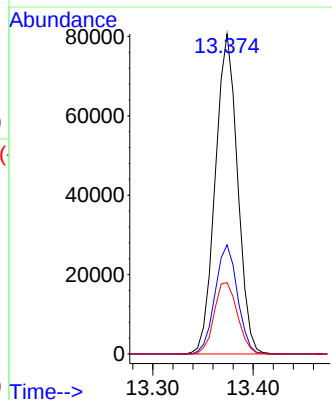
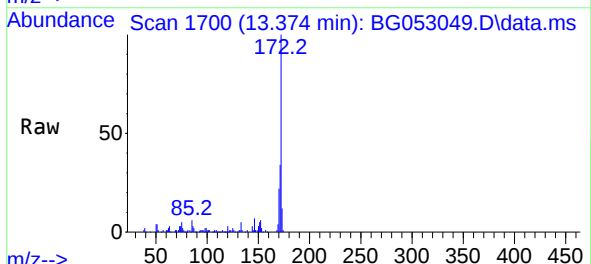
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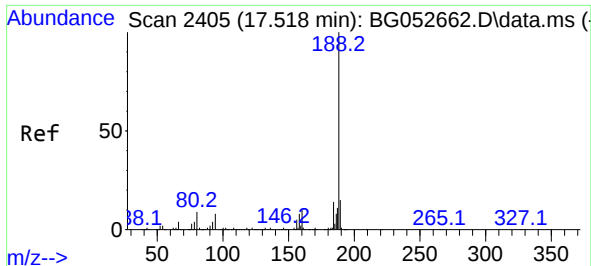
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#45
2-Fluorobiphenyl
Concen: 14.074 ng
RT: 13.374 min Scan# 1700
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:172 Resp: 123932
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 22.3 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2401
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

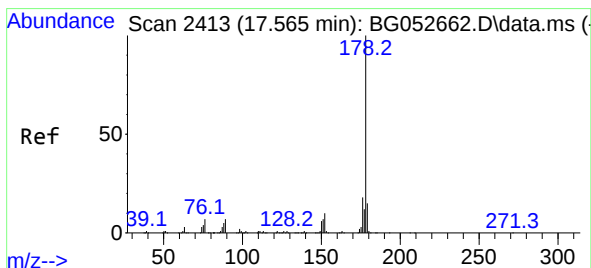
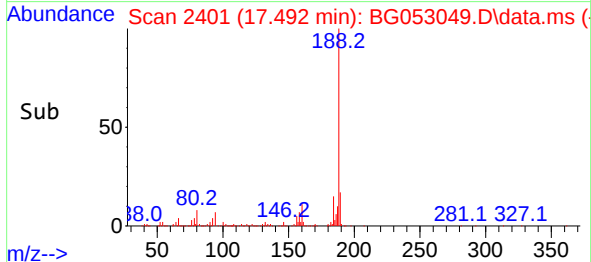
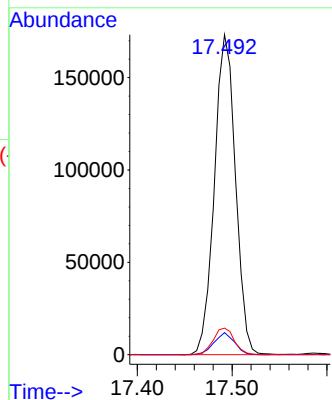
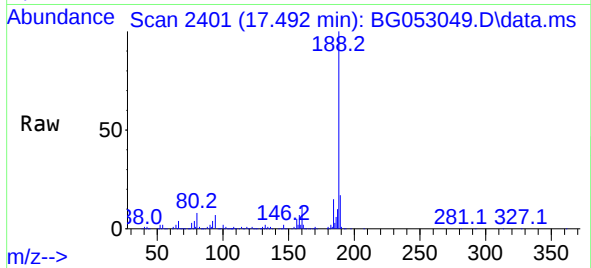
SU-02-040422

Tgt Ion:188 Resp: 268080
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.3 7.2 10.8

Manual Integrations

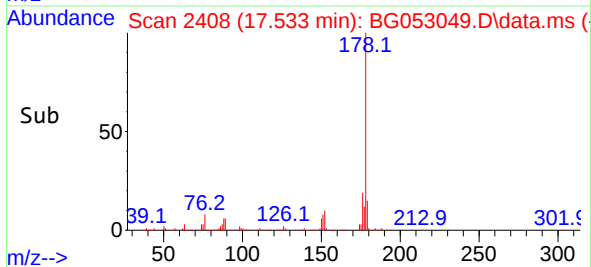
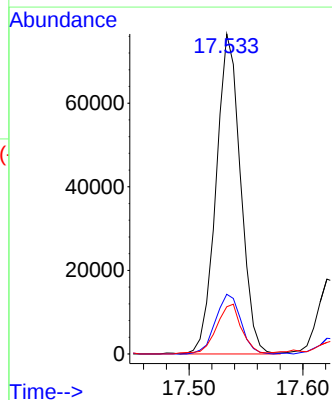
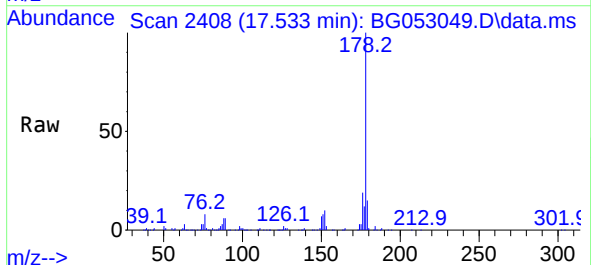
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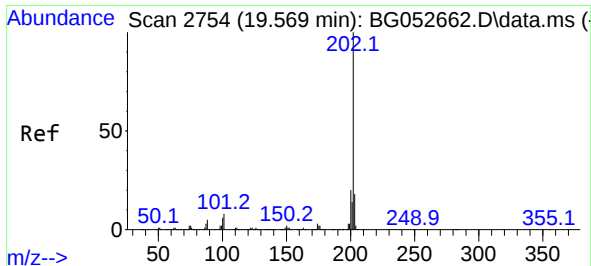
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#71
Phenanthrene
Concen: 7.971 ng
RT: 17.533 min Scan# 2408
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:178 Resp: 114320
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.8 13.4 20.2





#75
Fluoranthene
Concen: 8.597 ng
RT: 19.542 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

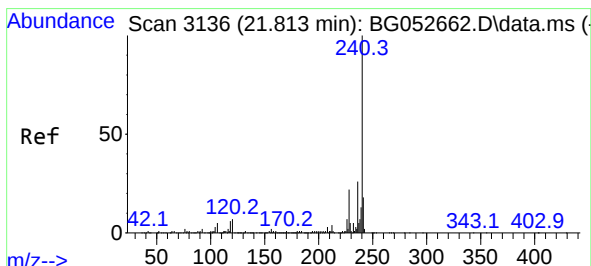
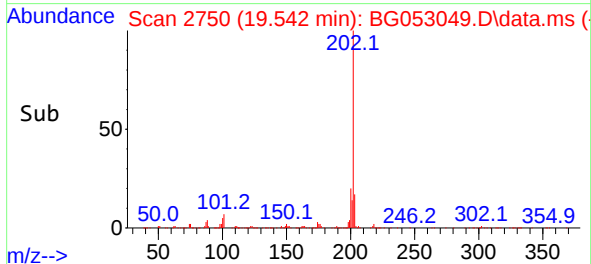
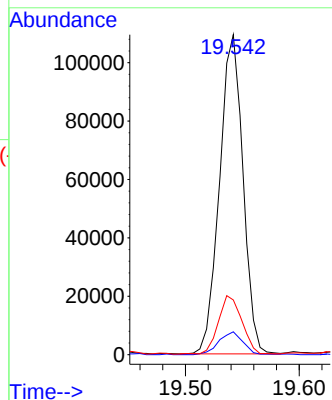
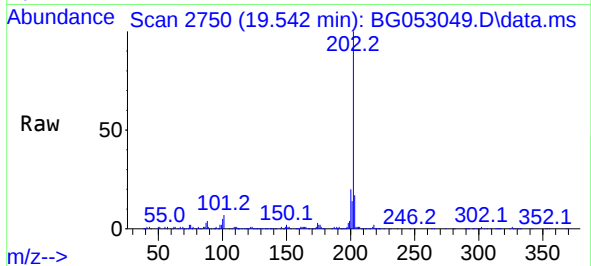
SU-02-040422

Tgt Ion:202 Resp: 15651
Ion Ratio Lower Upper
202 100
101 7.1 0.0 27.3
203 17.1 0.0 37.7

Manual Integrations

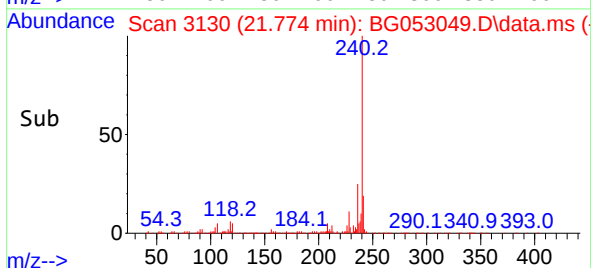
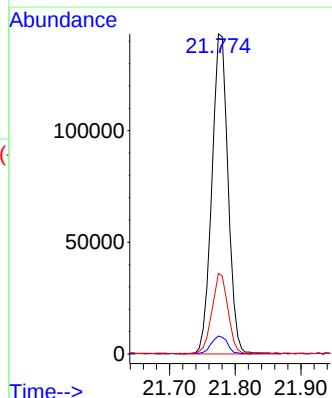
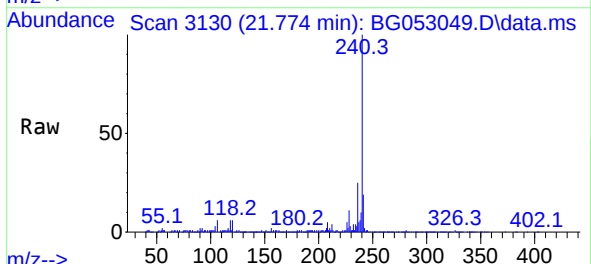
APPROVED

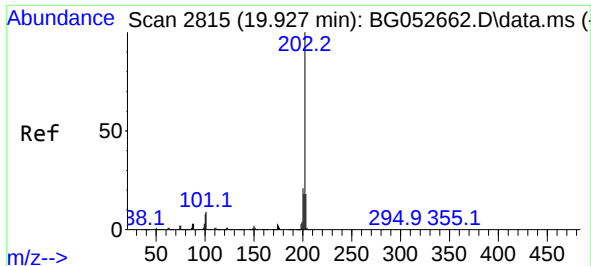
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.774 min Scan# 3130
Delta R.T. -0.024 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:240 Resp: 246075
Ion Ratio Lower Upper
240 100
120 5.6 5.4 8.0
236 25.2 19.8 29.6





#78
Pyrene
Concen: 10.229 ng
RT: 19.900 min Scan# 2815
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

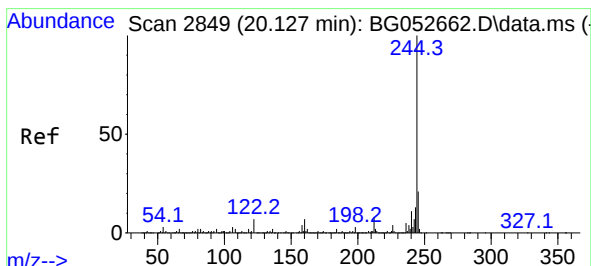
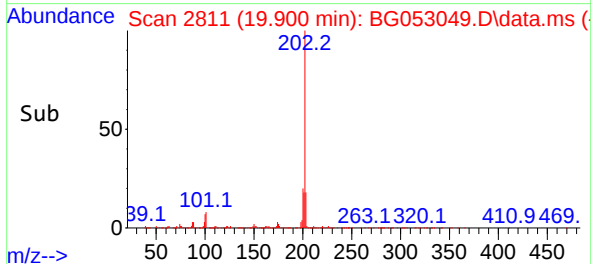
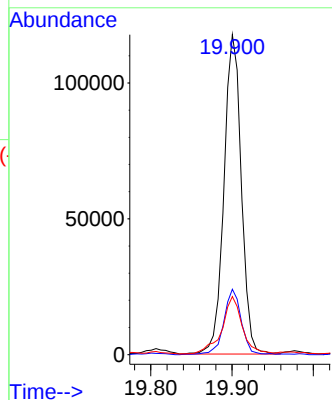
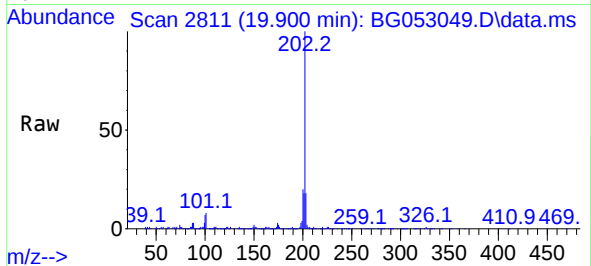
SU-02-040422

Tgt Ion:202 Resp: 174609
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 18.2 15.0 22.6

Manual Integrations

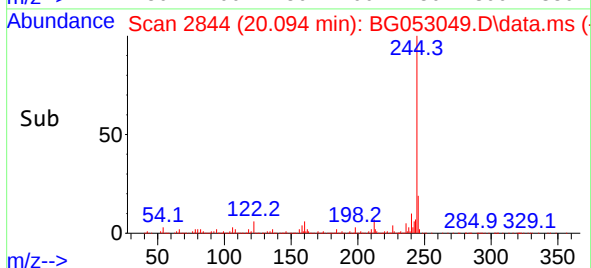
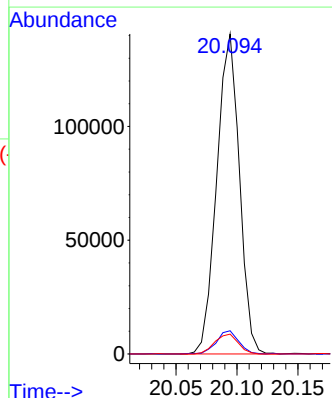
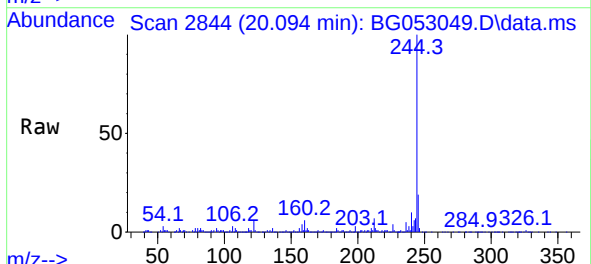
APPROVED

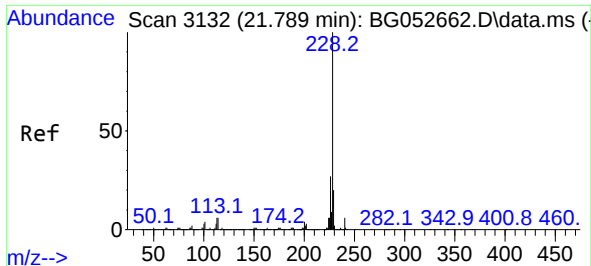
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#79
Terphenyl-d14
Concen: 13.141 ng
RT: 20.094 min Scan# 2844
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

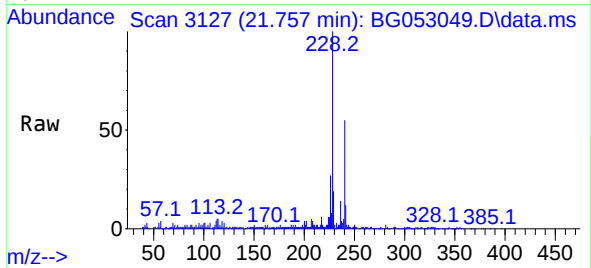
Tgt Ion:244 Resp: 181782
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.2
122 6.2 5.8 8.6





#81
Benzo(a)anthracene
Concen: 5.536 ng
RT: 21.757 min Scan# 3132
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

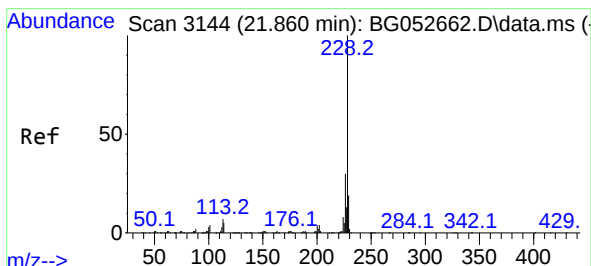
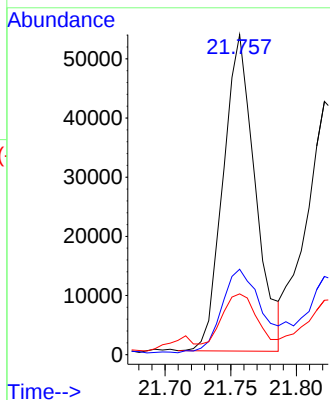
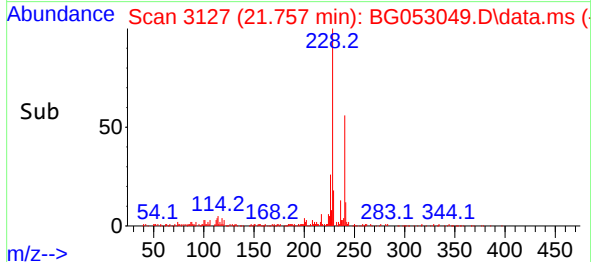
Instrument :
BNA_G
ClientSampleId :
SU-02-040422



Tgt Ion:228 Resp: 91220
Ion Ratio Lower Upper
228 100
226 26.7 21.4 32.0
229 19.0 16.7 25.1

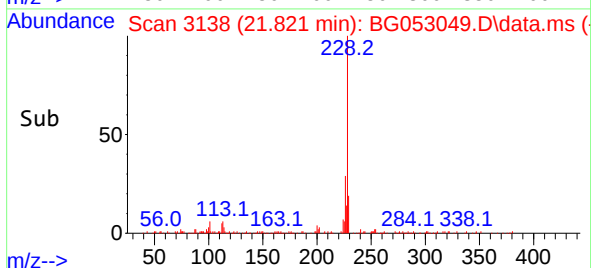
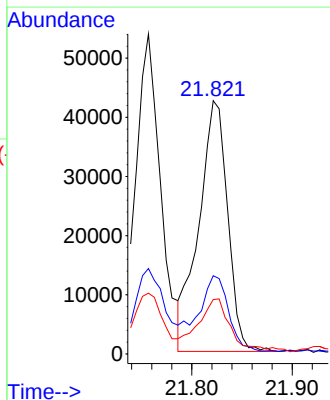
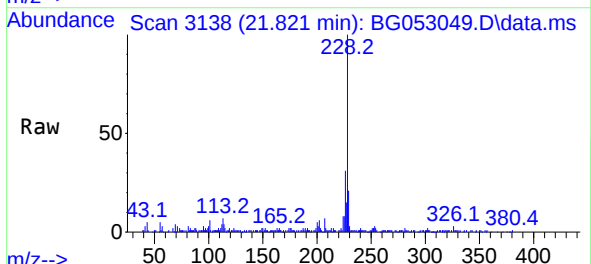
Manual Integrations
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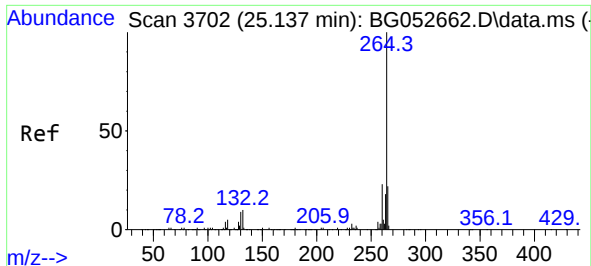
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#83
Chrysene
Concen: 5.482 ng
RT: 21.821 min Scan# 3138
Delta R.T. -0.024 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:228 Resp: 84926
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.4
229 21.5 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.088 min Scan# 30
Delta R.T. -0.024 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

ClientSampleId :

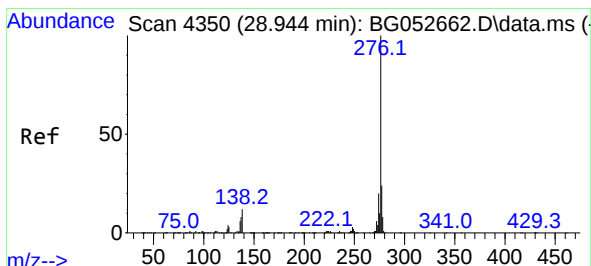
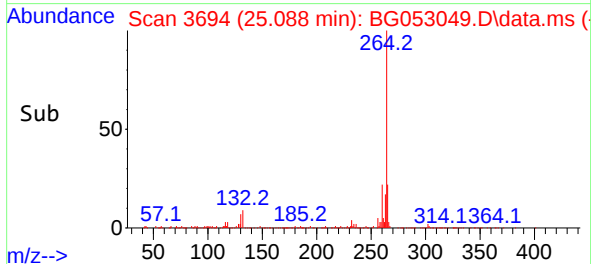
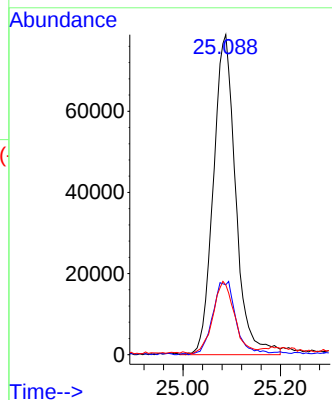
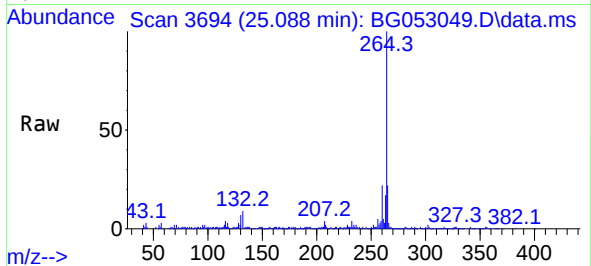
SU-02-040422

Tgt Ion:264 Resp: 25034
Ion Ratio Lower Upper
264 100
260 21.9 18.2 27.2
265 21.8 15.1 22.7

Manual Integrations

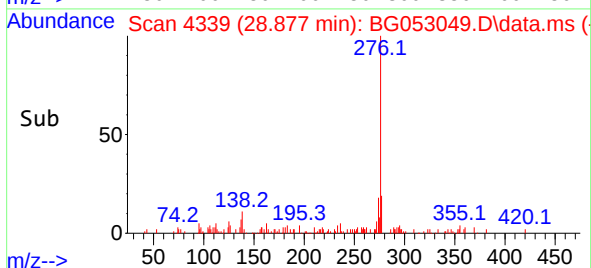
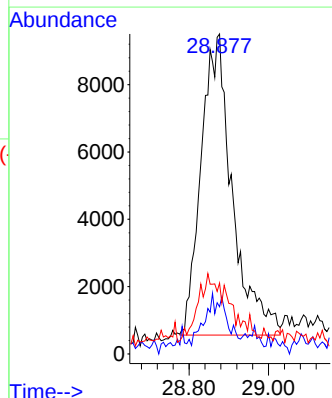
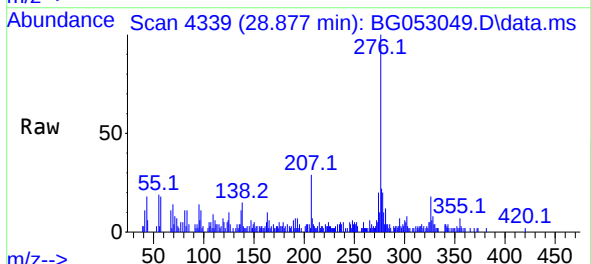
APPROVED

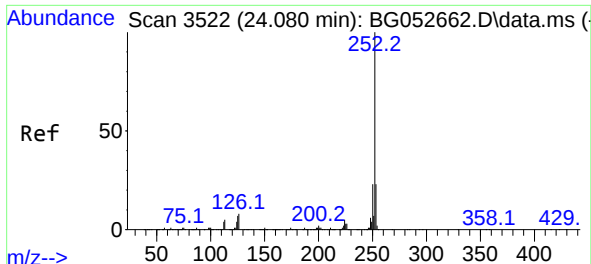
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.849 ng m
RT: 28.877 min Scan# 4339
Delta R.T. -0.024 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:276 Resp: 48826
Ion Ratio Lower Upper
276 100
138 0.0 8.7 13.1#
277 0.0 20.2 30.4#





#88
Benzo(b)fluoranthene
Concen: 7.770 ng
RT: 24.036 min Scan# 31
Delta R.T. -0.018 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Instrument :

BNA_G

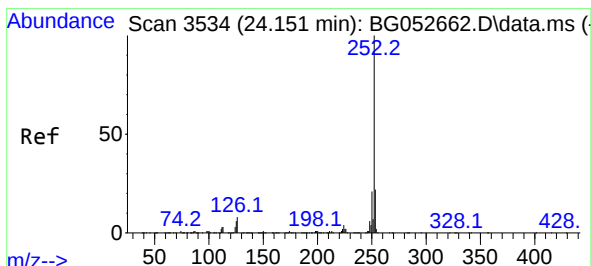
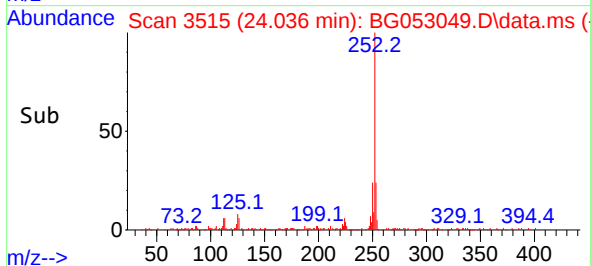
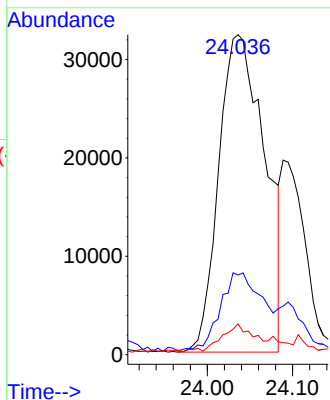
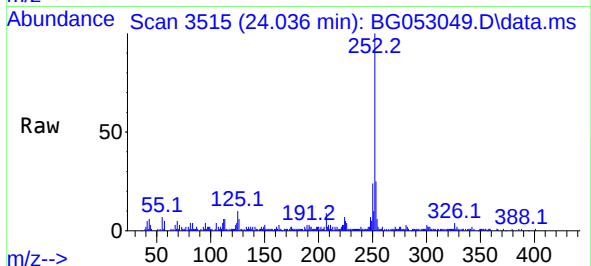
ClientSampleId :

SU-02-040422

Tgt Ion:252 Resp: 120775
Ion Ratio Lower Upper
252 100
253 24.9 17.2 25.8
125 9.6 5.2 7.8

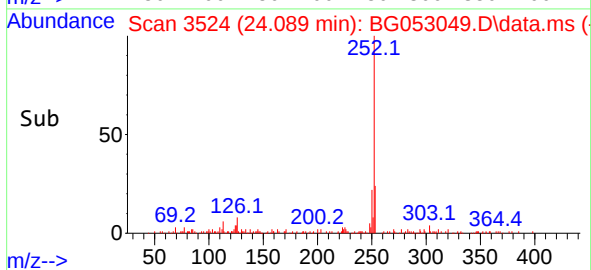
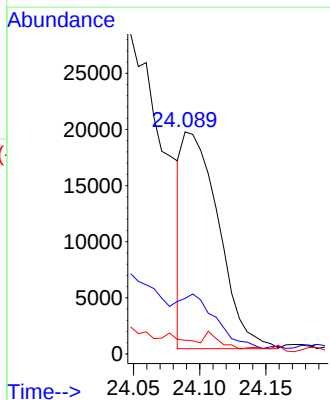
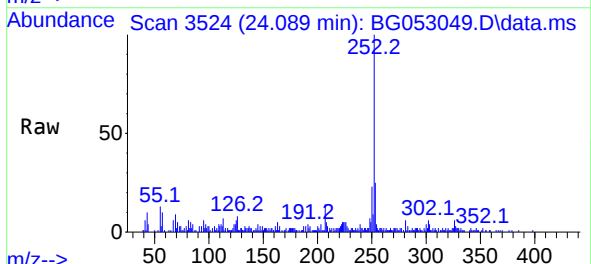
Manual Integrations
APPROVED

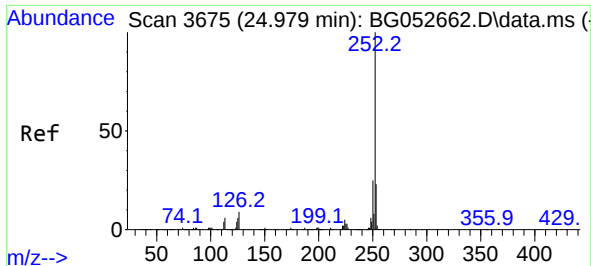
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#89
Benzo(k)fluoranthene
Concen: 2.404 ng m
RT: 24.089 min Scan# 3524
Delta R.T. -0.041 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:252 Resp: 36768
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.0
125 6.2 5.0 7.4





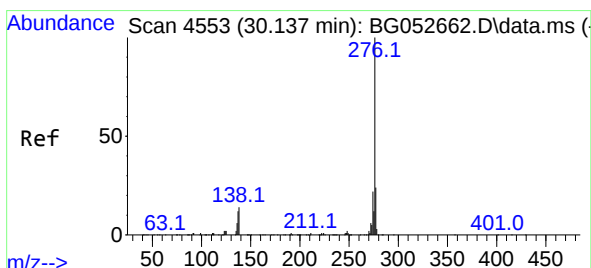
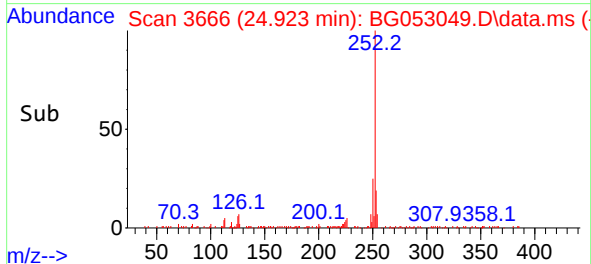
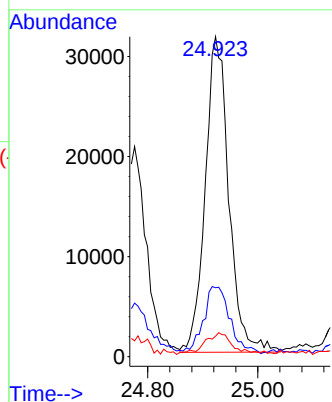
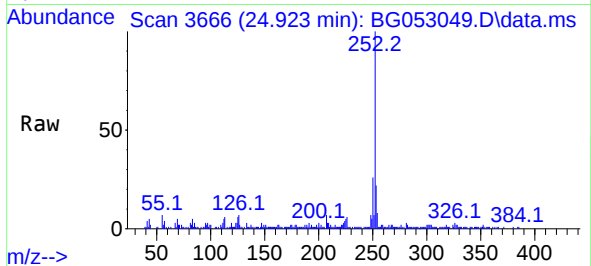
#90
Benzo(a)pyrene
Concen: 7.140 ng
RT: 24.923 min Scan# 30
Delta R.T. -0.030 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Instrument :
BNA_G
ClientSampleId :
SU-02-040422

Tgt Ion:252 Resp: 93950
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 6.4 5.6 8.4

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.098 ng m
RT: 30.034 min Scan# 4536
Delta R.T. -0.059 min
Lab File: BG053049.D
Acq: 6 Apr 2022 2:20

Tgt Ion:276 Resp: 43285
Ion Ratio Lower Upper
276 100
277 22.3 18.2 27.2
138 11.4 9.1 13.7

