

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040522\
 Data File : BG053046.D
 Acq On : 6 Apr 2022 00:23
 Operator : CG/JU
 Sample : N2257-05 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-3

Quant Time: Apr 06 04:16:13 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.134	152	36036	20.000	ng	-0.01
21) Naphthalene-d8	10.942	136	142220	20.000	ng	-0.02
39) Acenaphthene-d10	14.749	164	94194	20.000	ng	-0.02
64) Phenanthrene-d10	17.492	188	182880	20.000	ng	-0.01
76) Chrysene-d12	21.781	240	168942	20.000	ng	-0.02
86) Perylene-d12	25.088	264	180568	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	53189	25.705	ng	0.00
7) Phenol-d6	7.283	99	78827	25.268	ng	0.00
23) Nitrobenzene-d5	9.286	82	58058	20.489	ng	-0.02
42) 2,4,6-Tribromophenol	16.229	330	31458	24.854	ng	-0.02
45) 2-Fluorobiphenyl	13.374	172	118617	18.573	ng	-0.02
79) Terphenyl-d14	20.095	244	142193	14.972	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	17.533	178	237928	24.319	ng	98
72) Anthracene	17.627	178	62021	6.413	ng	95
75) Fluoranthene	19.542	202	580808	46.768	ng	99
78) Pyrene	19.907	202	986691	84.196	ng	100
81) Benzo(a)anthracene	21.763	228	487147	43.062	ng	99
83) Chrysene	21.828	228	484018	45.511	ng	98
87) Indeno(1,2,3-cd)pyrene	28.871	276	386374	31.262	ng	95
88) Benzo(b)fluoranthene	24.042	252	726103	64.764	ng	97
89) Benzo(k)fluoranthene	24.101	252	205736m	18.651	ng	
90) Benzo(a)pyrene	24.941	252	652297	68.733	ng	98
91) Dibenzo(a,h)anthracene	28.912	278	85243	8.370	ng	96
92) Benzo(g,h,i)perylene	30.058	276	397830	39.481	ng	99

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

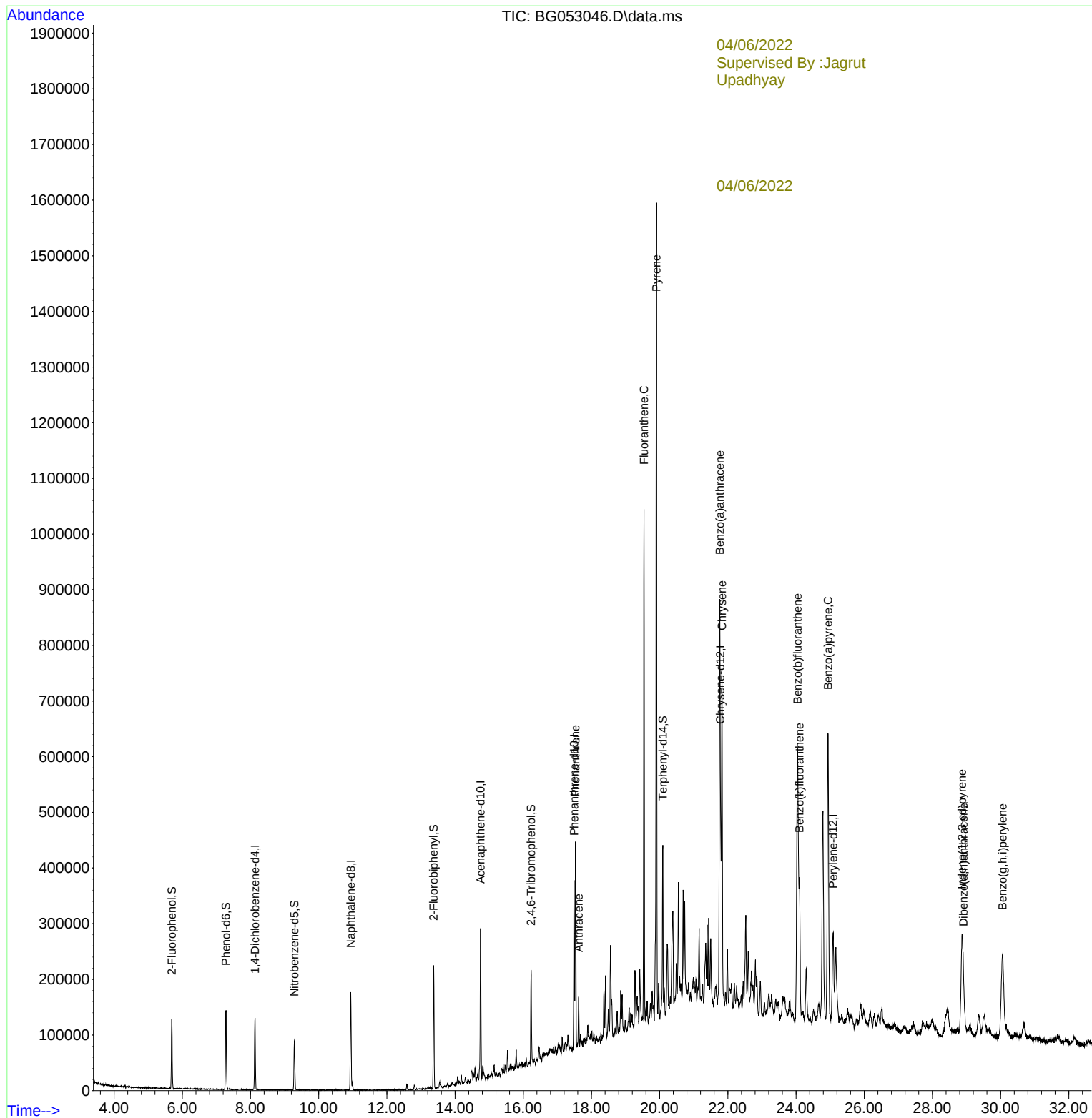
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Data File : BG053046.D
Acq On : 6 Apr 2022 00:23
Operator : CG/JU
Sample : N2257-05 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

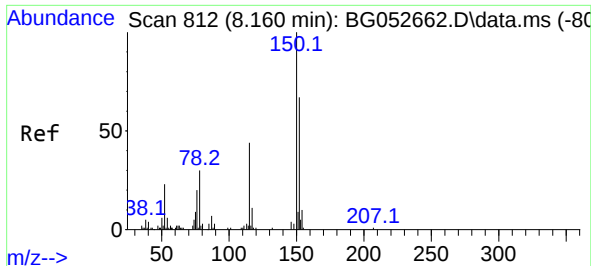
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
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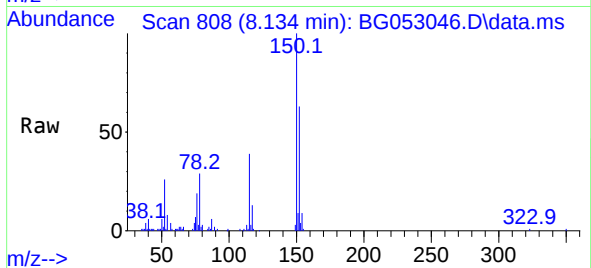
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Supervised By :Jagrut Upadhyay 04/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.134 min Scan# 80
Delta R.T. -0.012 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

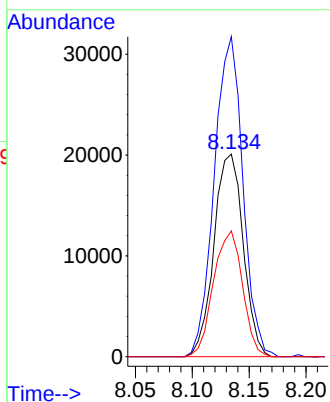
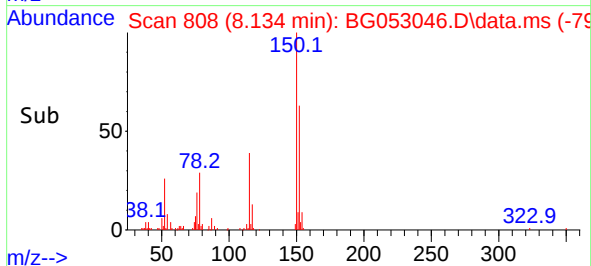
Instrument :
BNA_G
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 36030
Ion Ratio Lower Upper
152 100
150 158.0 114.6 172.0
115 62.1 45.9 68.9

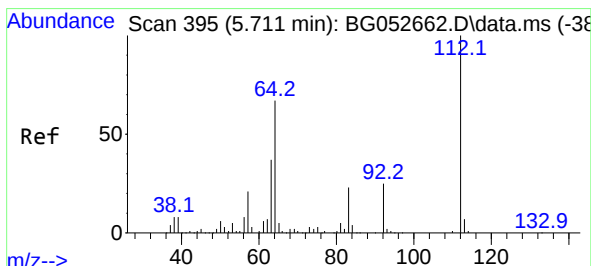
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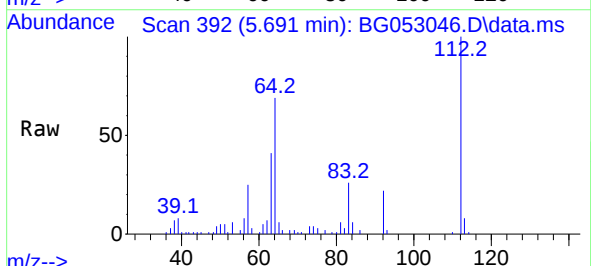


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Upadhyay

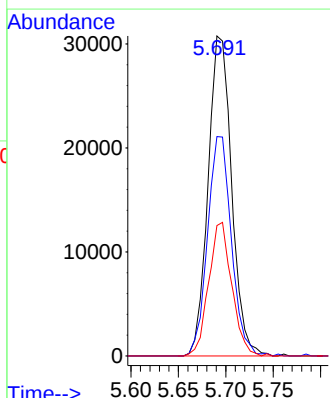
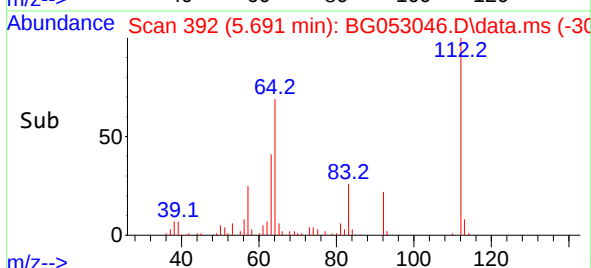
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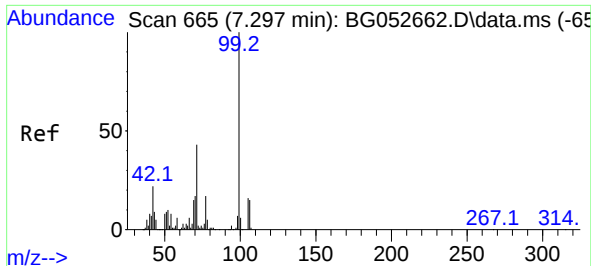


#5
2-Fluorophenol
Concen: 25.705 ng
RT: 5.691 min Scan# 392
Delta R.T. -0.006 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23



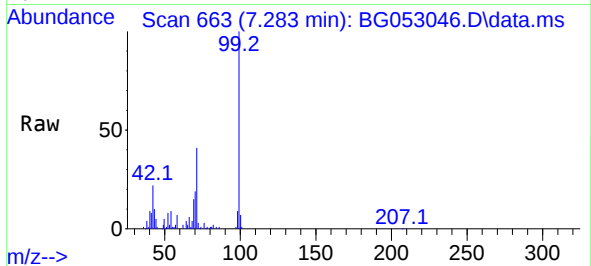
Tgt Ion:112 Resp: 53189
Ion Ratio Lower Upper
112 100
64 68.6 48.0 72.0
63 40.7 26.5 39.7#





#7
Phenol-d6
Concen: 25.268 ng
RT: 7.283 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

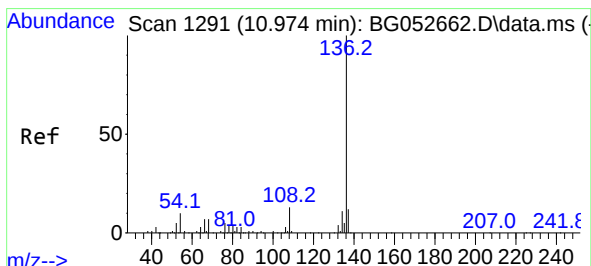
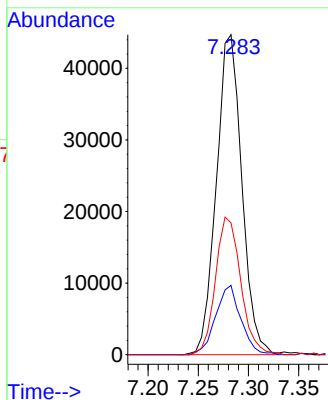
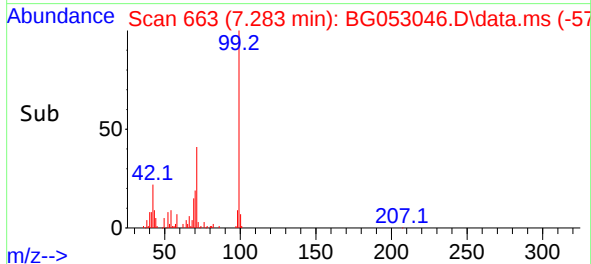
Instrument :
BNA_G
ClientSampleId :
TP-3



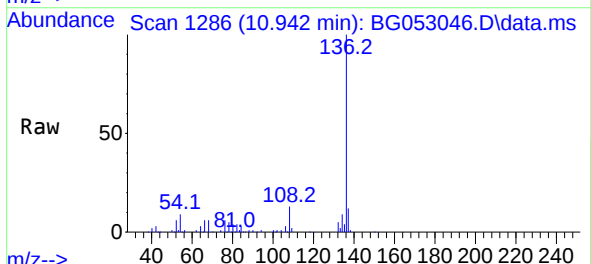
Tgt Ion: 99 Resp: 7882
Ion Ratio Lower Upper
99 100
42 21.7 14.7 22.1
71 41.2 29.2 43.8

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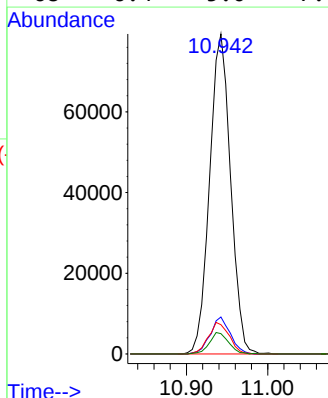
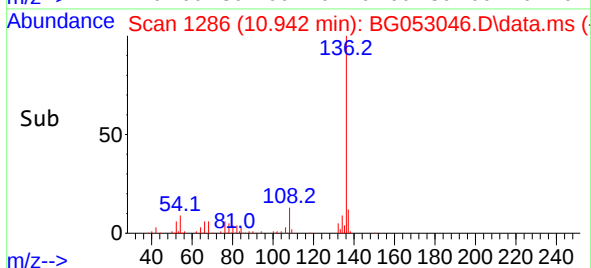
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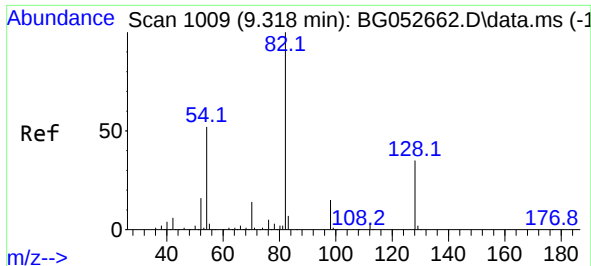


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.942 min Scan# 1286
Delta R.T. -0.018 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23



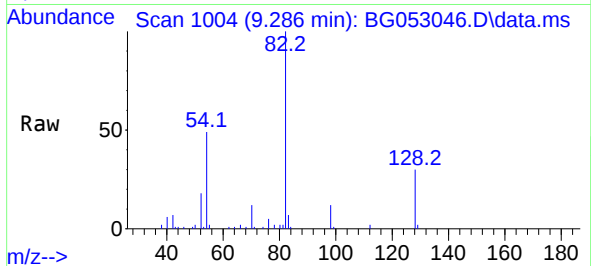
Tgt Ion:136 Resp: 142220
Ion Ratio Lower Upper
136 100
137 11.5 9.4 14.2
54 9.2 6.4 9.6
68 6.4 5.0 7.6





#23
Nitrobenzene-d5
Concen: 20.489 ng
RT: 9.286 min Scan# 1004
Delta R.T. -0.018 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

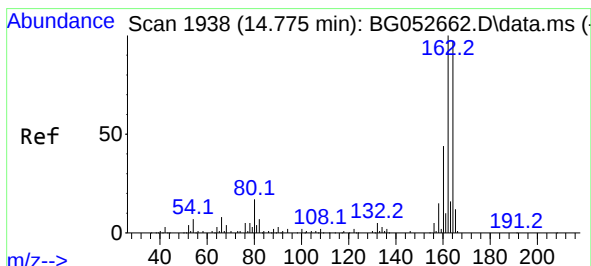
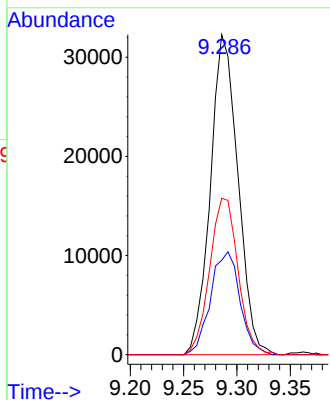
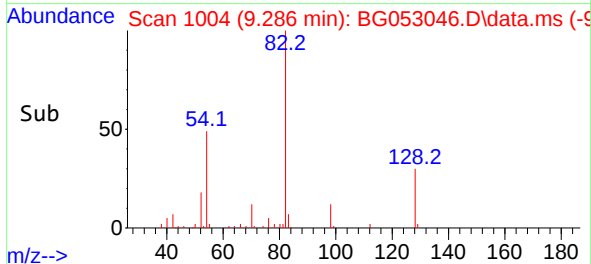
Instrument :
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ClientSampleId :
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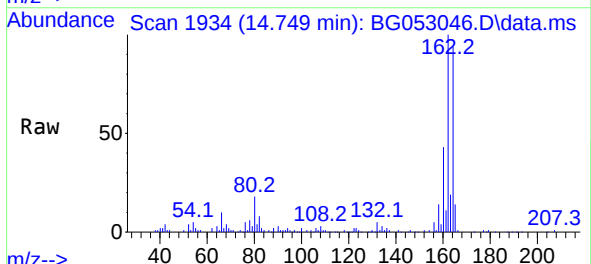
Tgt Ion: 82 Resp: 5805
Ion Ratio Lower Upper
82 100
128 29.5 31.3 46.9
54 48.9 37.8 56.8

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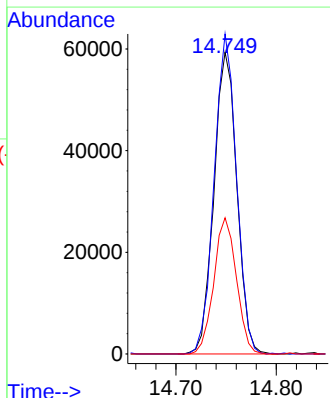
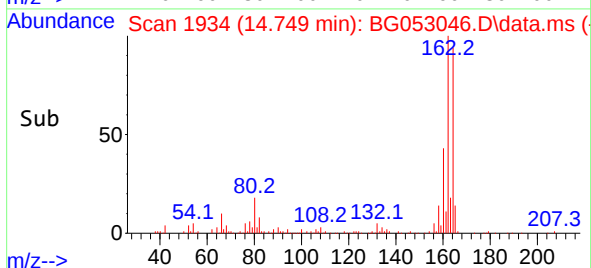
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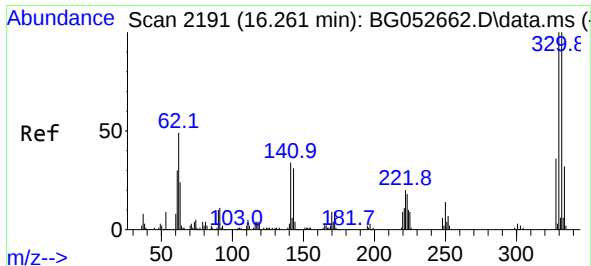


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.749 min Scan# 1934
Delta R.T. -0.018 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23



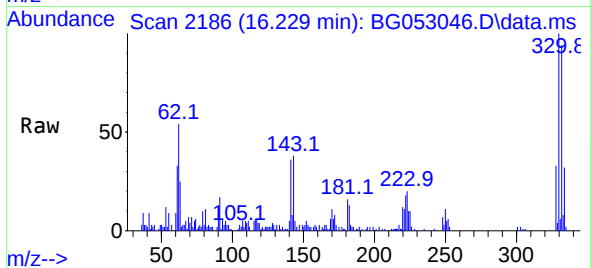
Tgt Ion:164 Resp: 94194
Ion Ratio Lower Upper
164 100
162 106.1 80.0 120.0
160 45.1 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 24.854 ng
RT: 16.229 min Scan# 2191
Delta R.T. -0.018 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

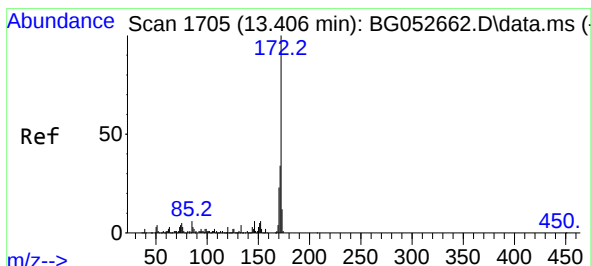
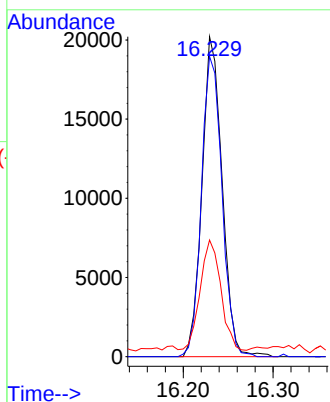
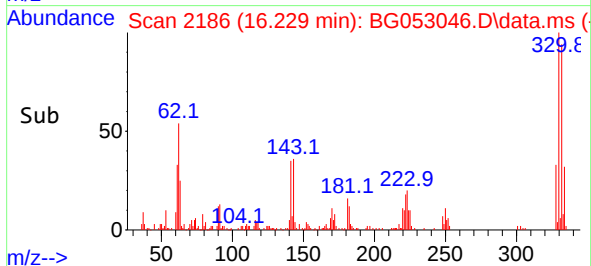
Instrument :
BNA_G
ClientSampleId :
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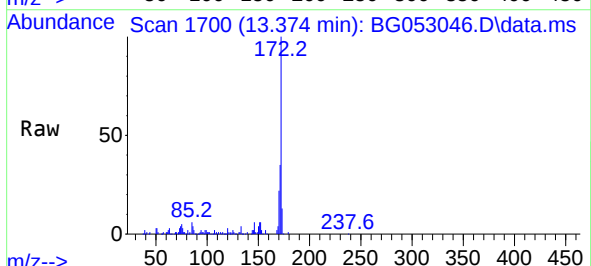
Tgt Ion:330 Resp: 31458
Ion Ratio Lower Upper
330 100
332 95.7 75.8 113.6
141 35.3 24.6 36.8

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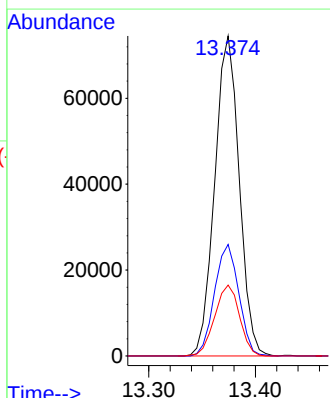
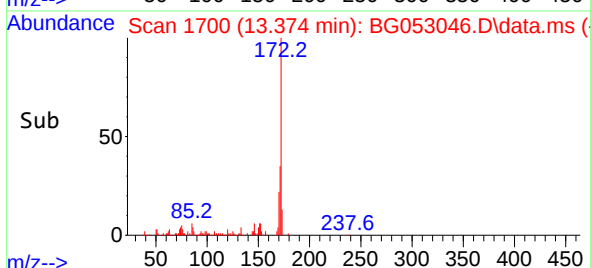
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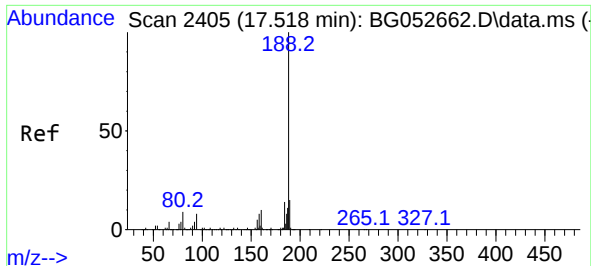


#45
2-Fluorobiphenyl
Concen: 18.573 ng
RT: 13.374 min Scan# 1700
Delta R.T. -0.018 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23



Tgt Ion:172 Resp: 118617
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 22.1 18.0 27.0





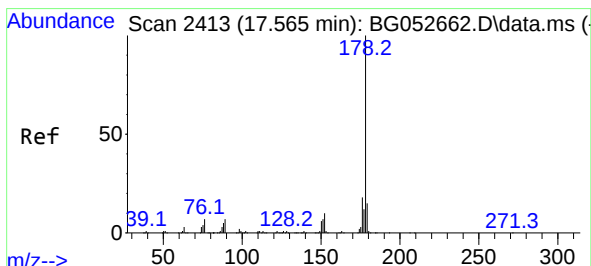
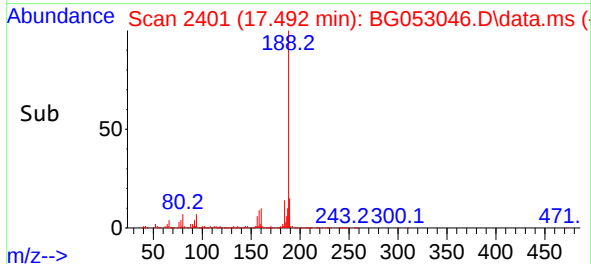
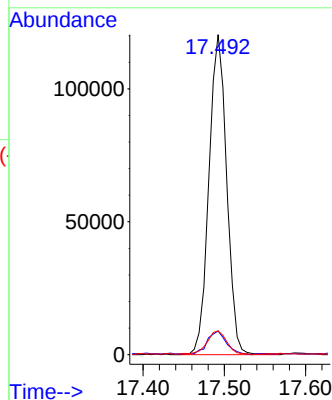
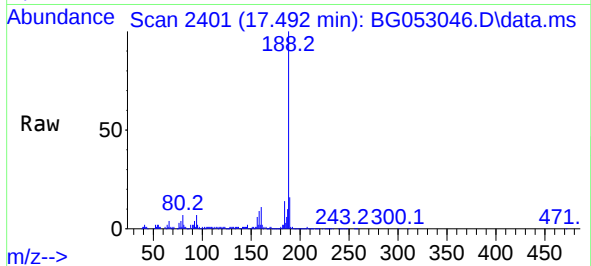
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.492 min Scan# 2401
Delta R.T. -0.012 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion:188 Resp: 182880
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 7.5 7.2 10.8

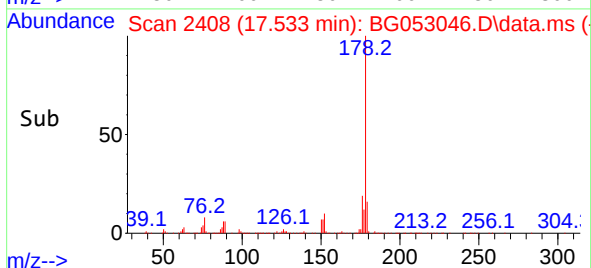
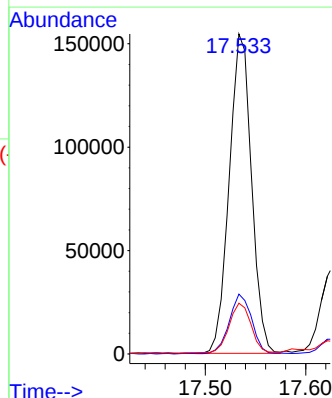
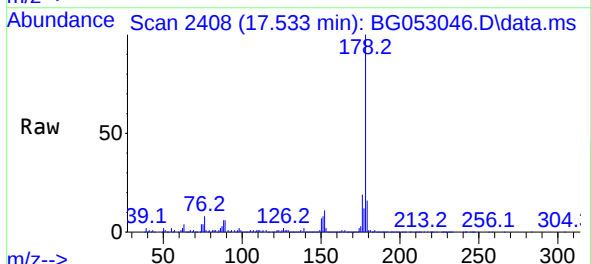
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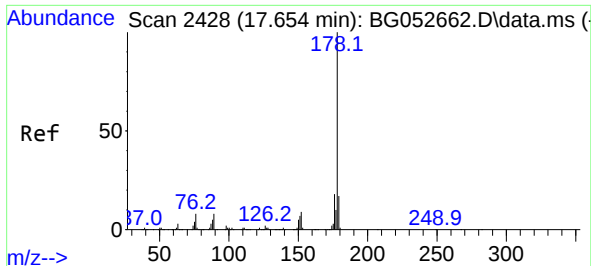
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022



#71
Phenanthrene
Concen: 24.319 ng
RT: 17.533 min Scan# 2408
Delta R.T. -0.018 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

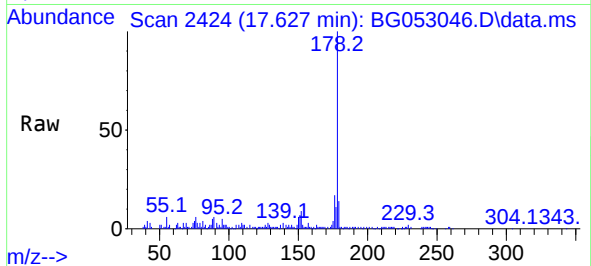
Tgt Ion:178 Resp: 237928
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.8 13.4 20.2





#72
 Anthracene
 Concen: 6.413 ng
 RT: 17.627 min Scan# 2428
 Delta R.T. -0.012 min
 Lab File: BG053046.D
 Acq: 6 Apr 2022 00:23

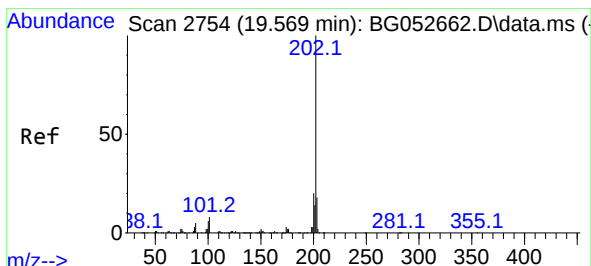
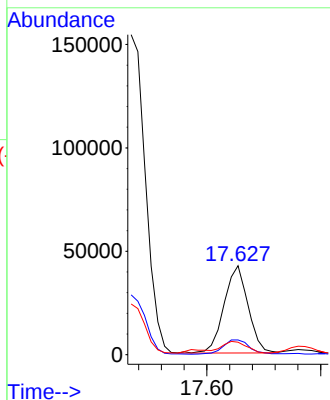
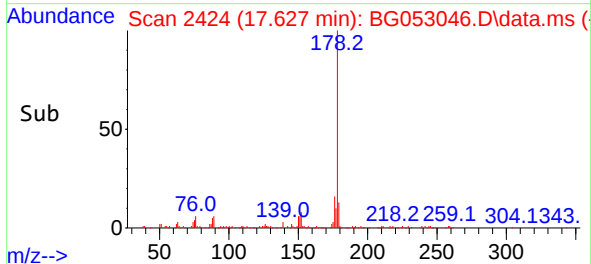
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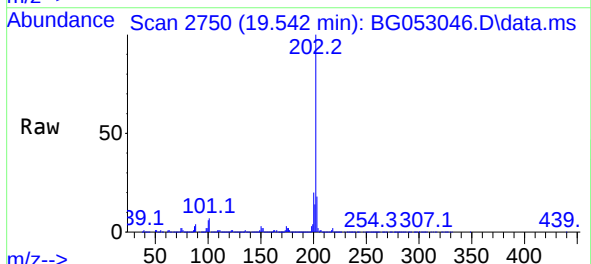
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 Ion Ratio Lower Upper
 178 100
 176 16.6 14.7 22.1
 179 14.1 13.2 19.8

Manual Integrations
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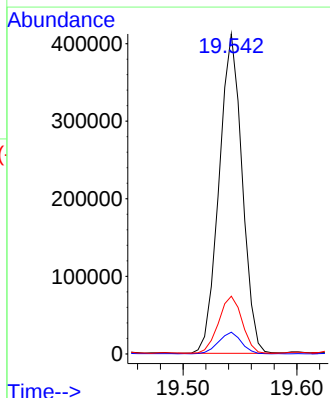
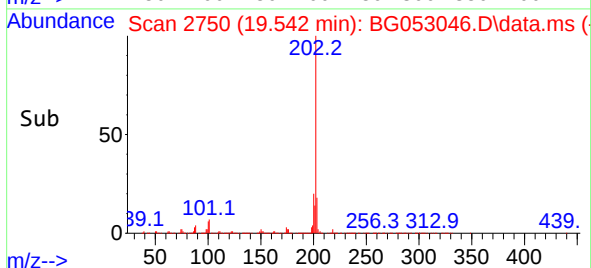
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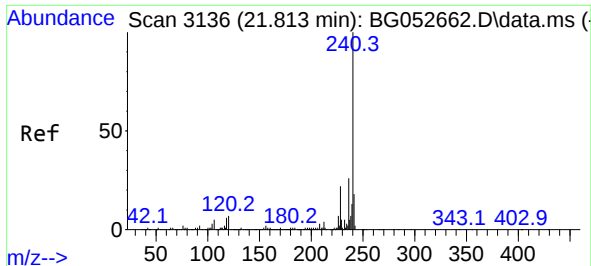


#75
 Fluoranthene
 Concen: 46.768 ng
 RT: 19.542 min Scan# 2750
 Delta R.T. -0.012 min
 Lab File: BG053046.D
 Acq: 6 Apr 2022 00:23



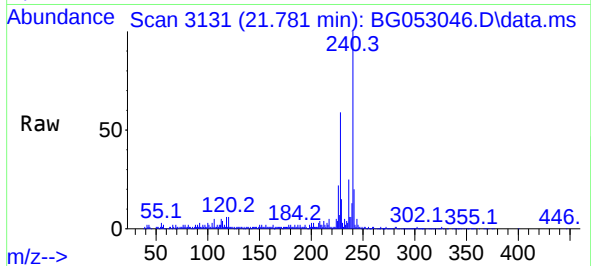
Tgt Ion:202 Resp: 580808
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 27.3
 203 18.0 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.781 min Scan# 3136
Delta R.T. -0.018 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

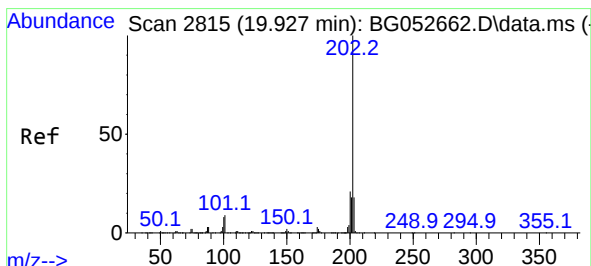
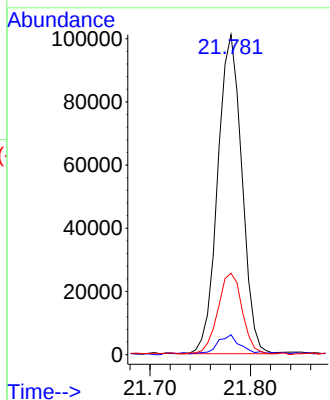
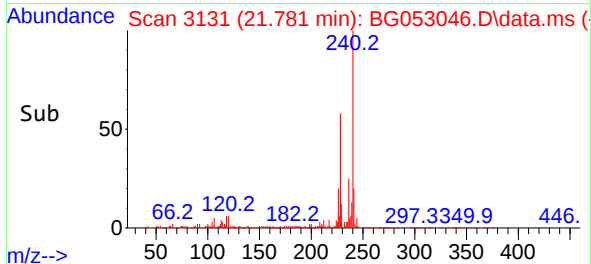
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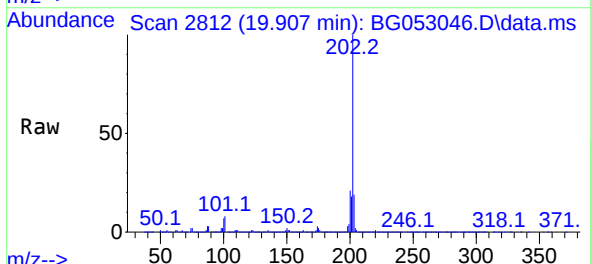
Tgt Ion:240 Resp: 16894
Ion Ratio Lower Upper
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120 6.2 5.4 8.0
236 25.4 19.8 29.6

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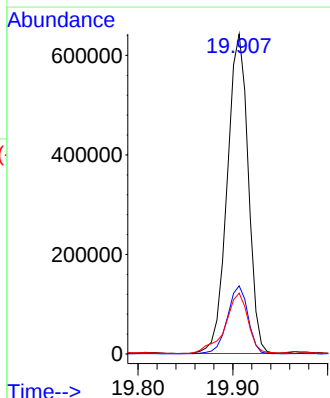
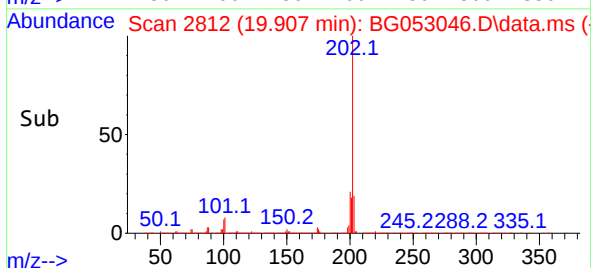
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

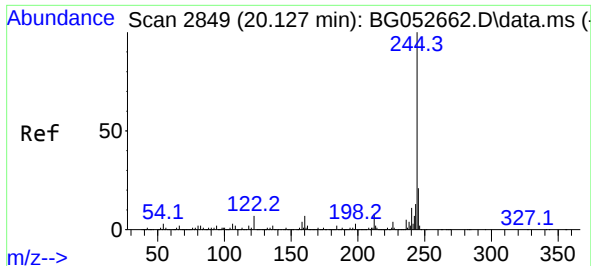


#78
Pyrene
Concen: 84.196 ng
RT: 19.907 min Scan# 2812
Delta R.T. -0.012 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23



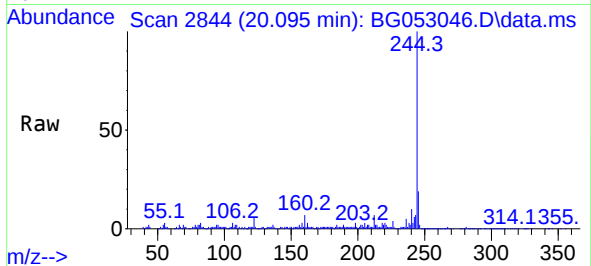
Tgt Ion:202 Resp: 986691
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 19.0 15.0 22.6





#79
 Terphenyl-d14
 Concen: 14.972 ng
 RT: 20.095 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BG053046.D
 Acq: 6 Apr 2022 00:23

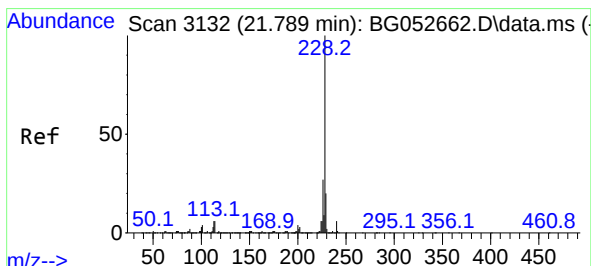
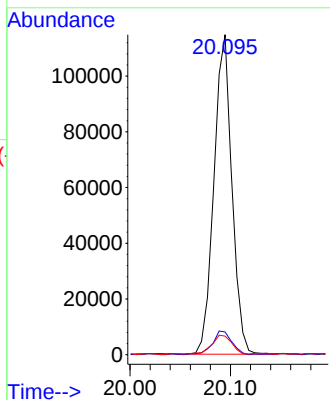
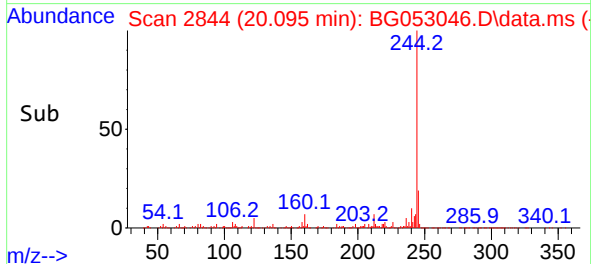
Instrument :
 BNA_G
 ClientSampleId :
 TP-3



Tgt Ion:244 Resp: 14219
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.2
 122 5.8 5.8 8.6

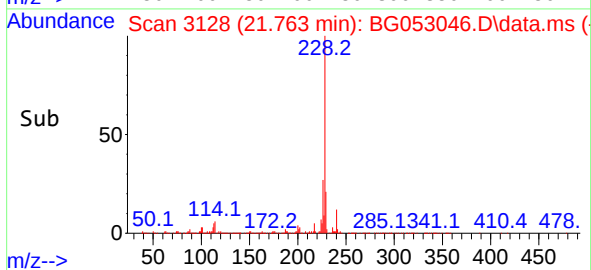
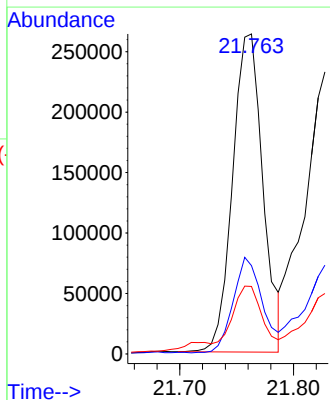
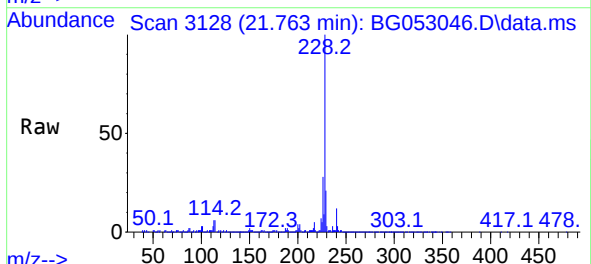
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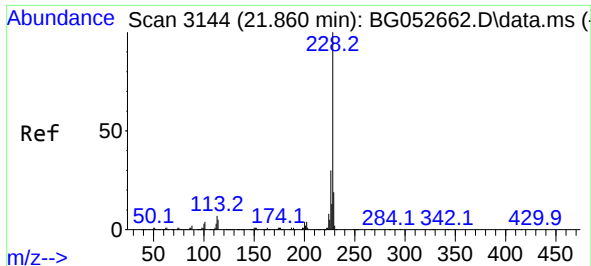
Reviewed By :Christian Giraldo 04/06/2022
 Supervised By :Jagrut Upadhyay 04/06/2022



#81
 Benzo(a)anthracene
 Concen: 43.062 ng
 RT: 21.763 min Scan# 3128
 Delta R.T. -0.012 min
 Lab File: BG053046.D
 Acq: 6 Apr 2022 00:23

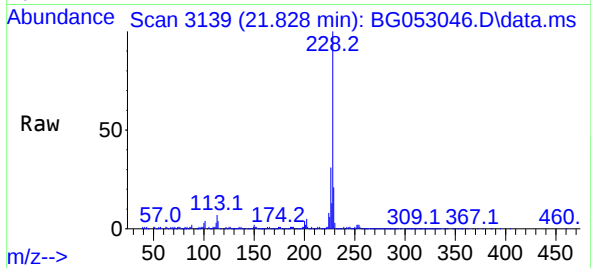
Tgt Ion:228 Resp: 487147
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.0
 229 21.1 16.7 25.1





#83
Chrysene
Concen: 45.511 ng
RT: 21.828 min Scan# 3144
Delta R.T. -0.018 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

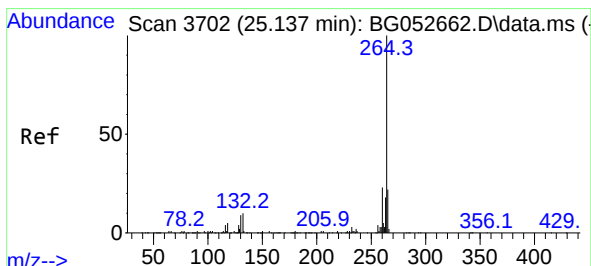
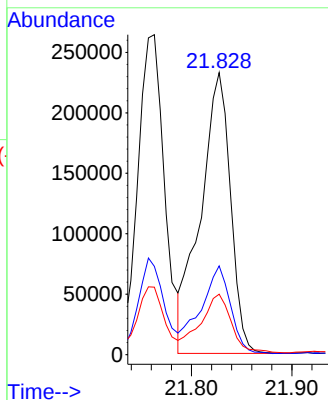
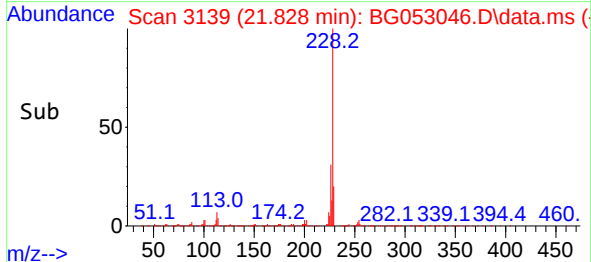
Instrument :
BNA_G
ClientSampleId :
TP-3



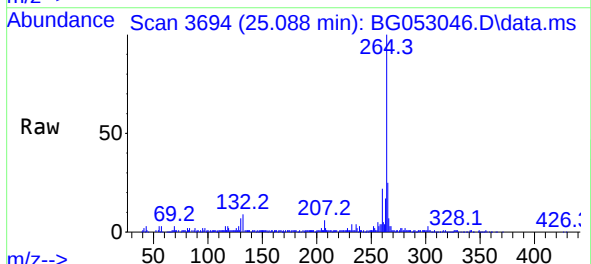
Tgt Ion:228 Resp: 484018
Ion Ratio Lower Upper
228 100
226 31.5 24.2 36.4
229 21.5 16.3 24.5

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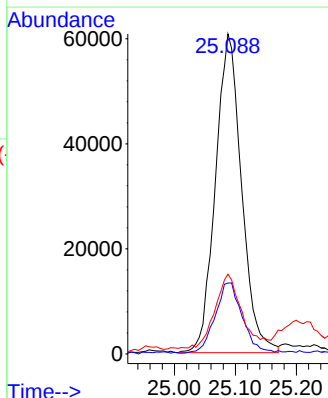
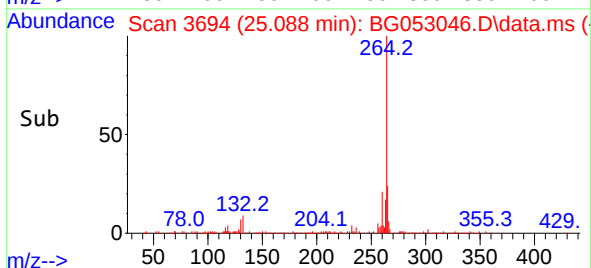
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

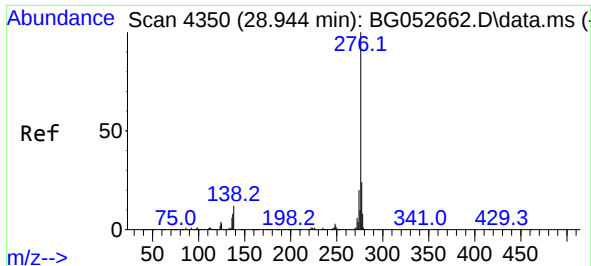


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.088 min Scan# 3694
Delta R.T. -0.023 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23



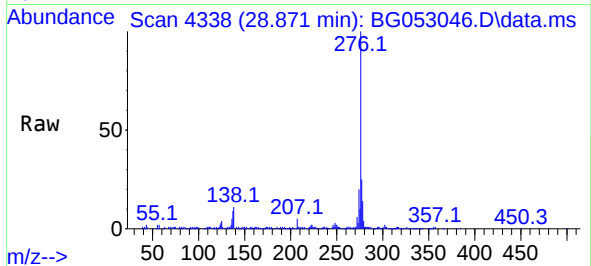
Tgt Ion:264 Resp: 180568
Ion Ratio Lower Upper
264 100
260 22.1 18.2 27.2
265 25.0 15.1 22.7#





#87
Indeno(1,2,3-cd)pyrene
Concen: 31.262 ng
RT: 28.871 min Scan# 41
Delta R.T. -0.029 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

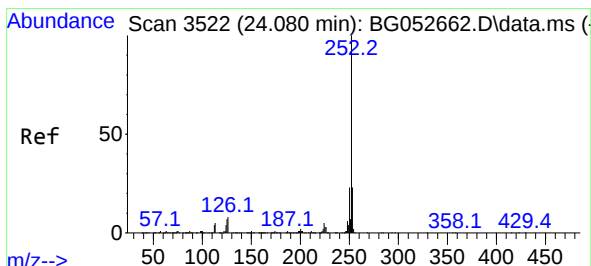
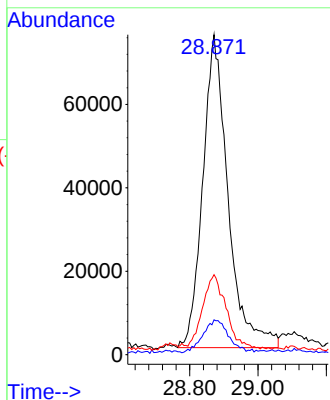
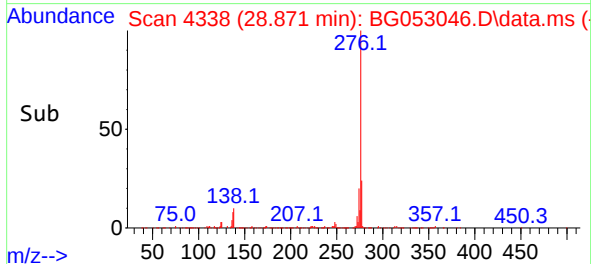
Instrument :
BNA_G
ClientSampleId :
TP-3



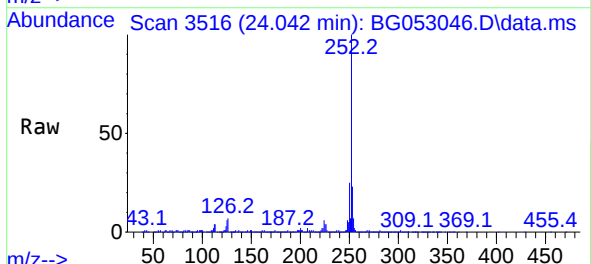
Tgt Ion:276 Resp: 386374
Ion Ratio Lower Upper
276 100
138 10.5 8.7 13.1
277 22.2 20.2 30.4

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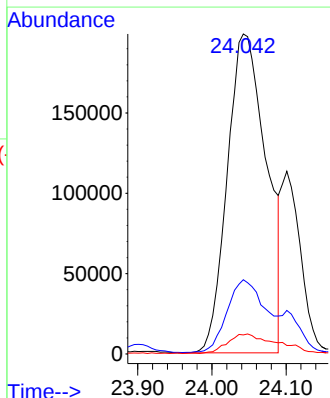
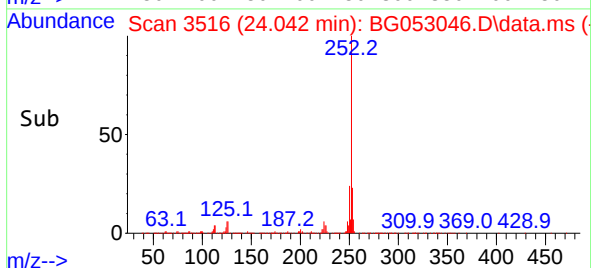
Reviewed By :Christian Giraldo 04/06/2022
Supervised By :Jagrut Upadhyay 04/06/2022

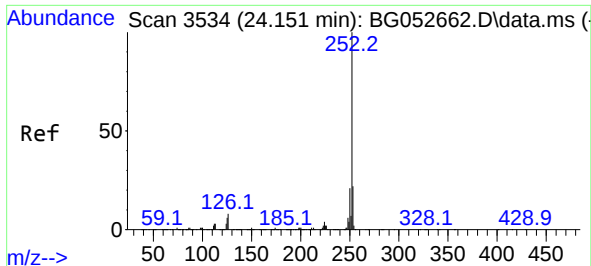


#88
Benzo(b)fluoranthene
Concen: 64.764 ng
RT: 24.042 min Scan# 3516
Delta R.T. -0.012 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23



Tgt Ion:252 Resp: 726103
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 6.0 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 18.651 ng m

RT: 24.101 min Scan# 3

Delta R.T. -0.029 min

Lab File: BG053046.D

Acq: 6 Apr 2022 00:23

Instrument :

BNA_G

ClientSampleId :

TP-3

Tgt Ion:252 Resp: 205730

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

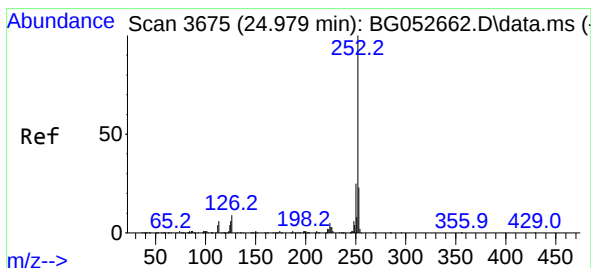
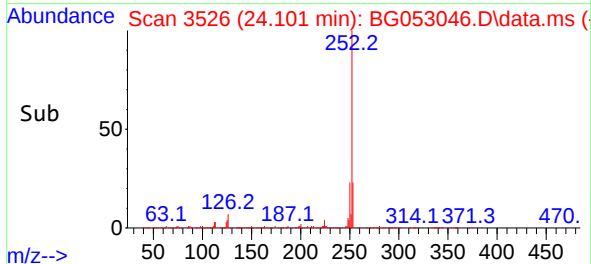
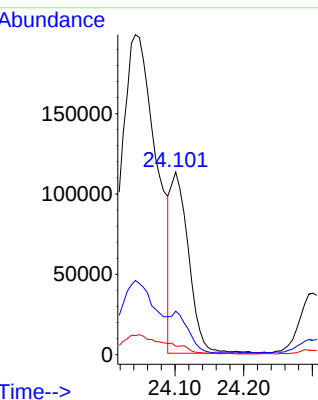
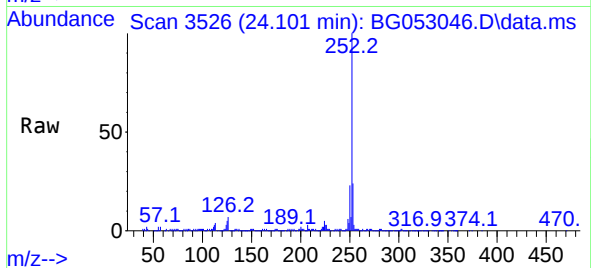
125 4.6 5.0 7.4

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#90

Benzo(a)pyrene

Concen: 68.733 ng

RT: 24.941 min Scan# 3669

Delta R.T. -0.012 min

Lab File: BG053046.D

Acq: 6 Apr 2022 00:23

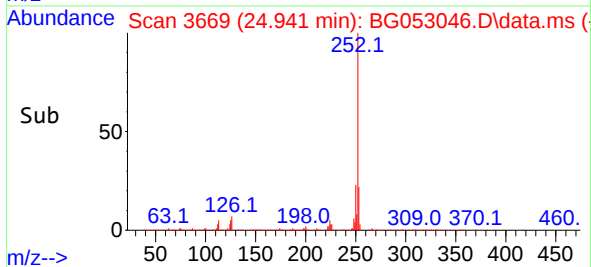
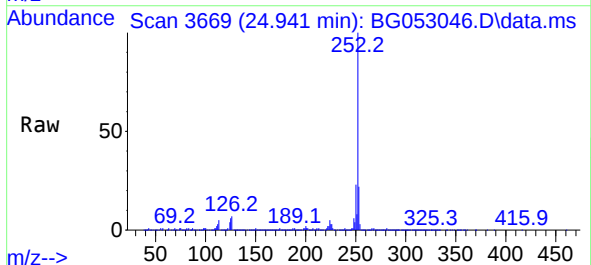
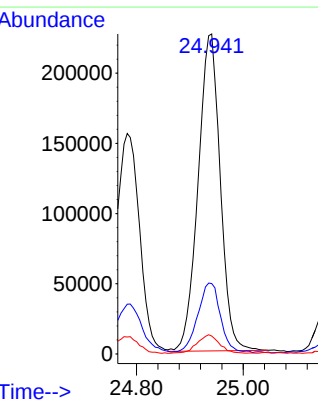
Tgt Ion:252 Resp: 652297

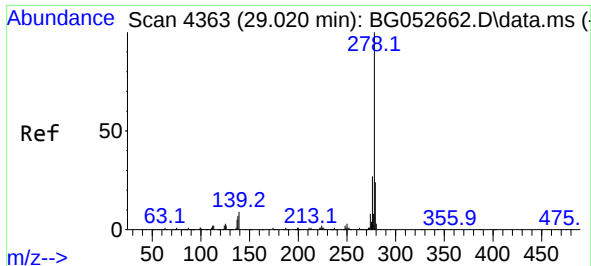
Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

125 5.6 5.6 8.4





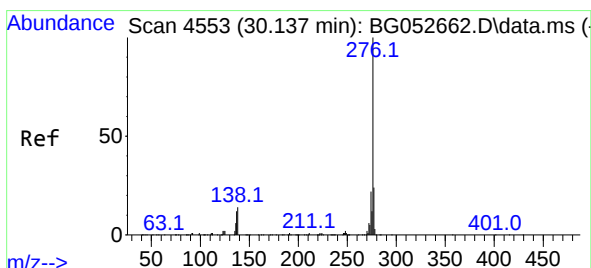
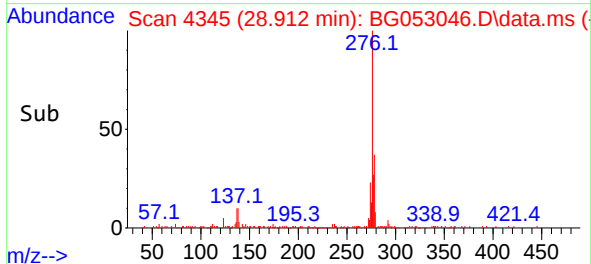
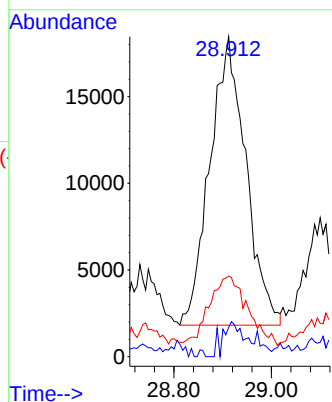
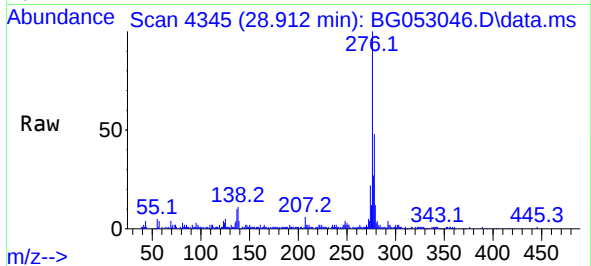
#91
Dibenzo(a,h)anthracene
Concen: 8.370 ng
RT: 28.912 min Scan# 41
Delta R.T. -0.059 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

Instrument :
BNA_G
ClientSampleId :
TP-3

Tgt Ion:278 Resp: 8524
Ion Ratio Lower Upper
278 100
139 9.1 7.8 11.6
279 25.2 18.5 27.7

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Supervised By :Jagrut Upadhyay 04/06/2022



#92
Benzo(g,h,i)perylene
Concen: 39.481 ng
RT: 30.058 min Scan# 4540
Delta R.T. -0.035 min
Lab File: BG053046.D
Acq: 6 Apr 2022 00:23

Tgt Ion:276 Resp: 397830
Ion Ratio Lower Upper
276 100
277 23.2 18.2 27.2
138 12.1 9.1 13.7

