

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041422\
 Data File : BG053159.D
 Acq On : 14 Apr 2022 16:36
 Operator : CG/JU
 Sample : N2381-01DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 26572DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/15/2022
 Supervised By : Jagrut Upadhyay 04/15/2022

Quant Time: Apr 15 02:21:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 15:31:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.123	152	43494	20.000	ng	0.00
21) Naphthalene-d8	10.931	136	169281	20.000	ng	0.00
39) Acenaphthene-d10	14.743	164	107809	20.000	ng	0.00
64) Phenanthrene-d10	17.487	188	219549	20.000	ng	0.00
76) Chrysene-d12	21.769	240	231649	20.000	ng	0.00
86) Perylene-d12	25.076	264	258333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	10287	4.054	ng	0.00
7) Phenol-d6	7.283	99	14997	3.833	ng	0.00
23) Nitrobenzene-d5	9.280	82	11528	2.765	ng	0.00
42) 2,4,6-Tribromophenol	16.230	330	6498	3.788	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	24648	3.153	ng	0.00
79) Terphenyl-d14	20.089	244	40195	2.931	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.537	202	290119	18.873	ng	99
78) Pyrene	19.901	202	384824	23.325	ng	98
81) Benzo(a)anthracene	21.752	228	254799	16.087	ng	98
83) Chrysene	21.822	228	263894m	17.953	ng	
87) Indeno(1,2,3-cd)pyrene	28.842	276	129708	6.758	ng	# 78
88) Benzo(b)fluoranthene	24.031	252	452981	27.791	ng	97
89) Benzo(k)fluoranthene	24.084	252	137622m	8.591	ng	
90) Benzo(a)pyrene	24.918	252	227786	16.405	ng	98
91) Dibenzo(a,h)anthracene	28.877	278	34751m	2.200	ng	
92) Benzo(g,h,i)perylene	30.017	276	104864	6.735	ng	98

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

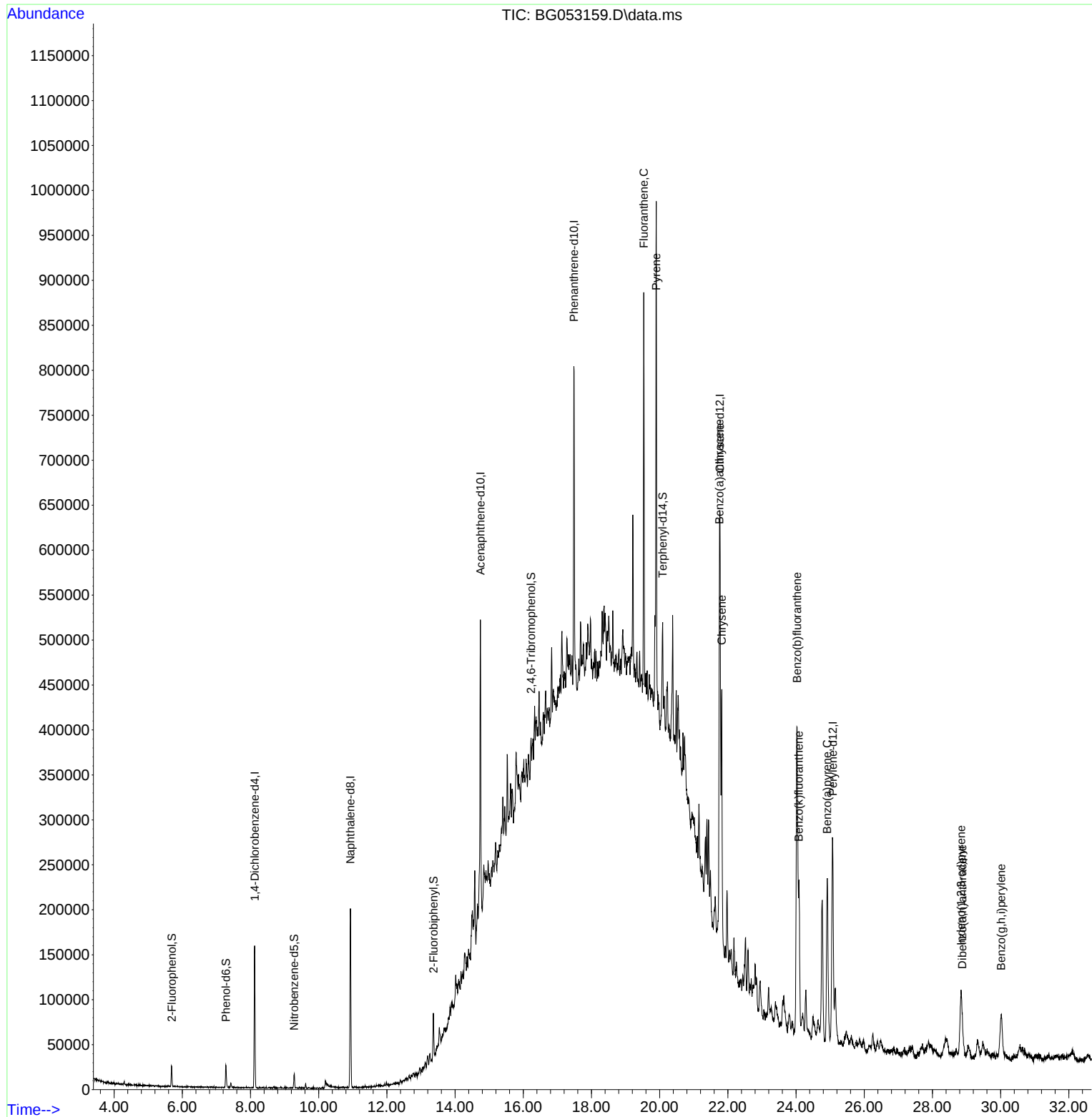
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041422\
Data File : BG053159.D
Acq On : 14 Apr 2022 16:36
Operator : CG/JU
Sample : N2381-01DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

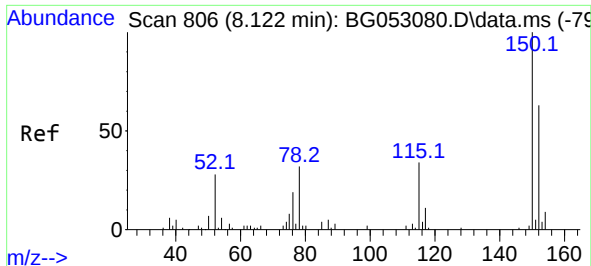
Instrument :
BNA_G
ClientSampleId :
26572DL

Quant Time: Apr 15 02:21:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 08 15:31:24 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

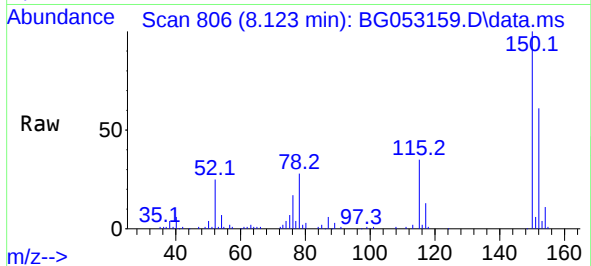
Reviewed By : Christian Giraldo 04/15/2022
Supervised By : Jagrut Upadhyay 04/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.123 min Scan# 806
Delta R.T. 0.001 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

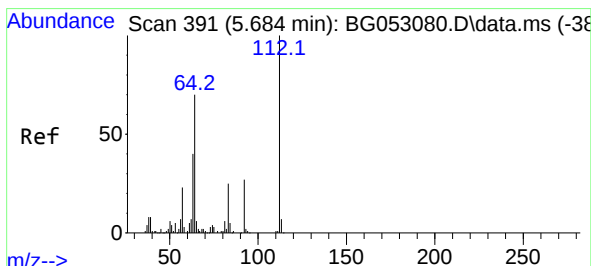
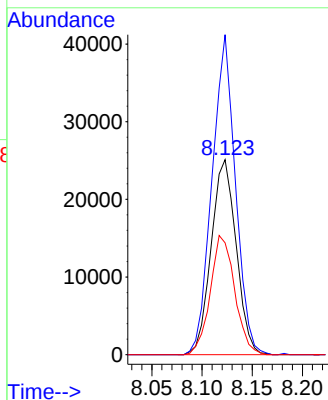
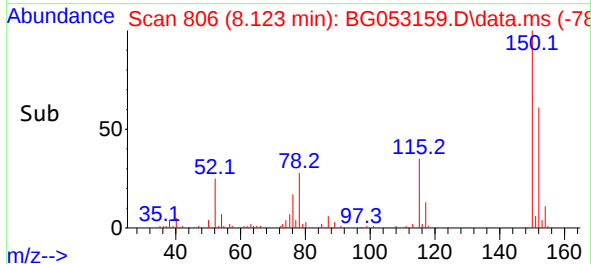
Instrument :
BNA_G
ClientSampleId :
26572DL



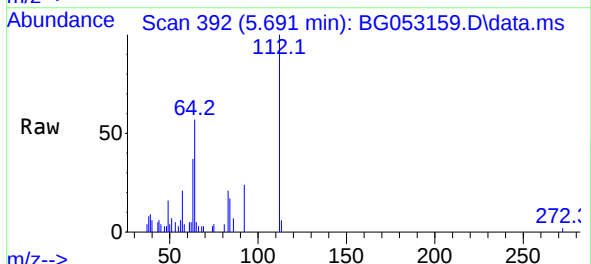
Tgt Ion:152 Resp: 43494
Ion Ratio Lower Upper
152 100
150 164.0 114.6 172.0
115 57.4 45.9 68.9

Manual Integrations
APPROVED

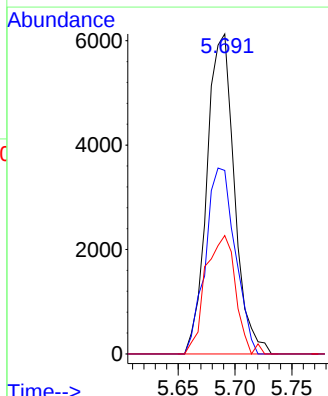
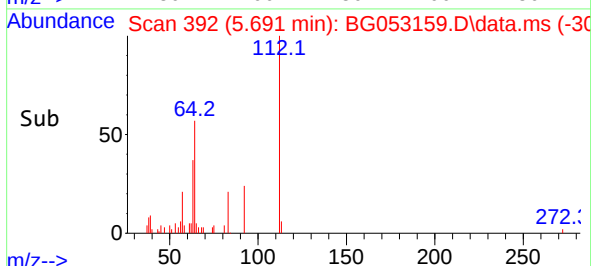
Reviewed By :Christian Giraldo 04/15/2022
Supervised By :Jagrut Upadhyay 04/15/2022

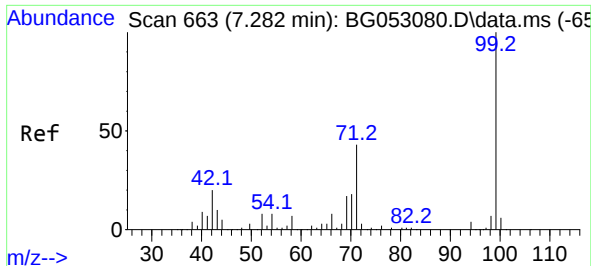


#5
2-Fluorophenol
Concen: 4.054 ng
RT: 5.691 min Scan# 392
Delta R.T. 0.007 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36



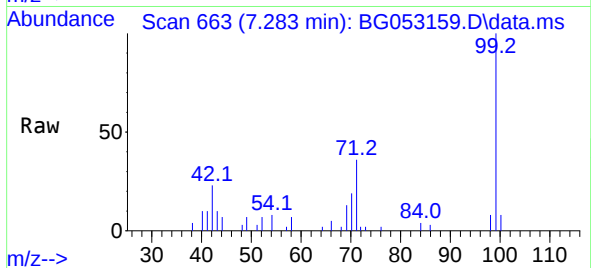
Tgt Ion:112 Resp: 10287
Ion Ratio Lower Upper
112 100
64 57.4 48.0 72.0
63 37.0 26.5 39.7





#7
Phenol-d6
Concen: 3.833 ng
RT: 7.283 min Scan# 60
Delta R.T. 0.001 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

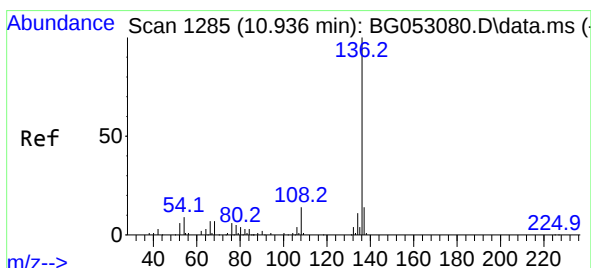
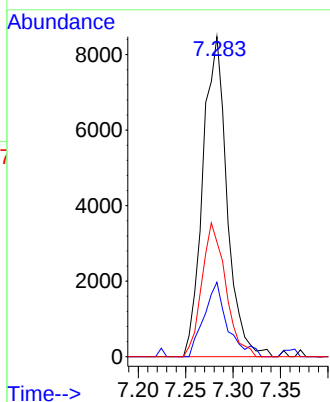
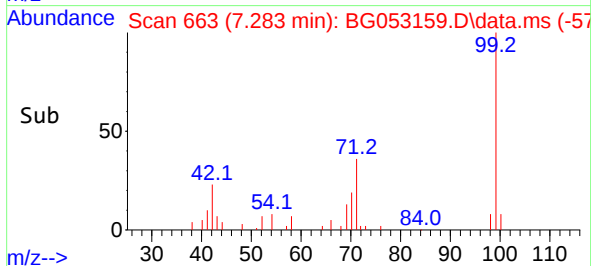
Instrument :
BNA_G
ClientSampleId :
26572DL



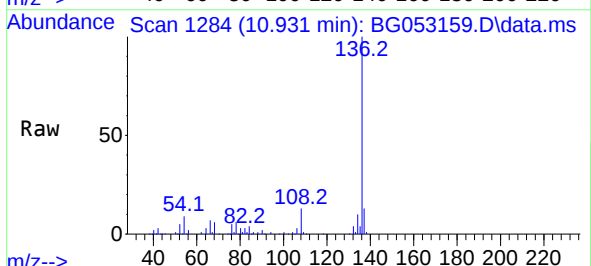
Tgt Ion: 99	Resp: 1499
Ion Ratio	Lower Upper
99 100	
42 23.2	14.7 22.1
71 35.8	29.2 43.8

Manual Integrations
APPROVED

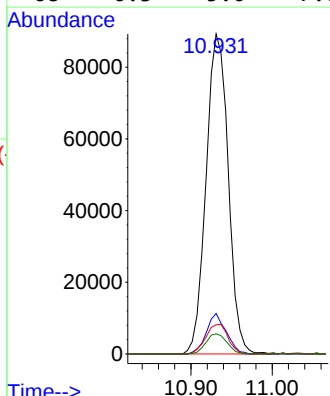
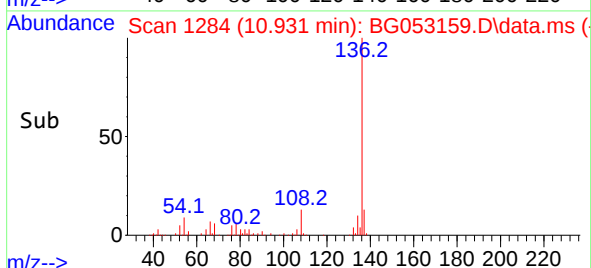
Reviewed By :Christian Giraldo 04/15/2022
Supervised By :Jagrut Upadhyay 04/15/2022

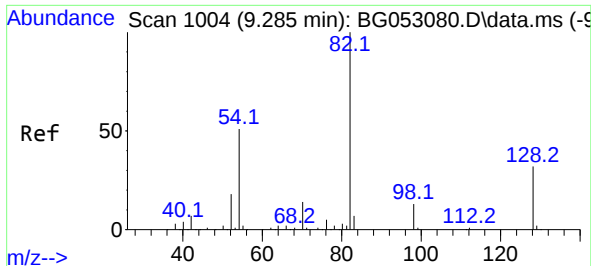


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.931 min Scan# 1284
Delta R.T. -0.005 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36



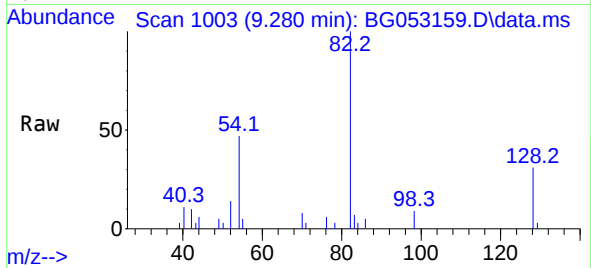
Tgt Ion: 136	Resp: 169281
Ion Ratio	Lower Upper
136 100	
137 12.7	9.4 14.2
54 9.1	6.4 9.6
68 6.3	5.0 7.6





#23
Nitrobenzene-d5
Concen: 2.765 ng
RT: 9.280 min Scan# 1004
Delta R.T. -0.005 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

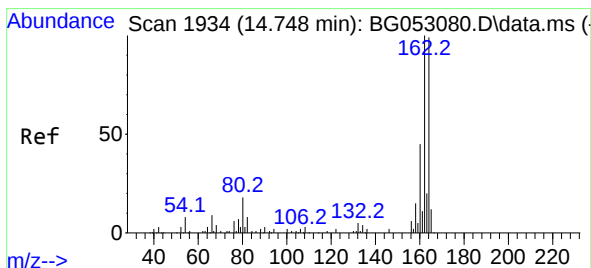
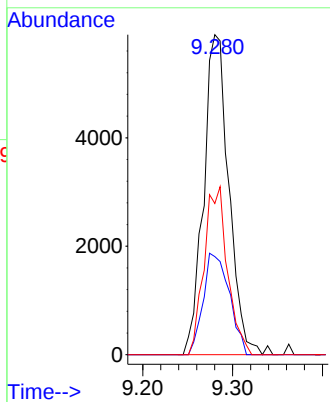
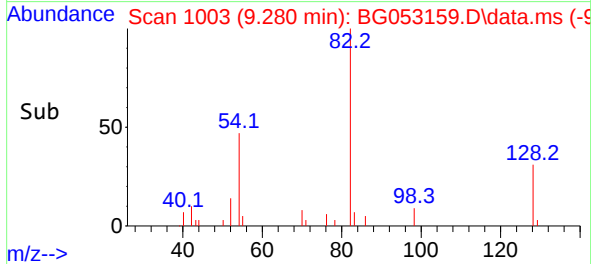
Instrument :
BNA_G
ClientSampleId :
26572DL



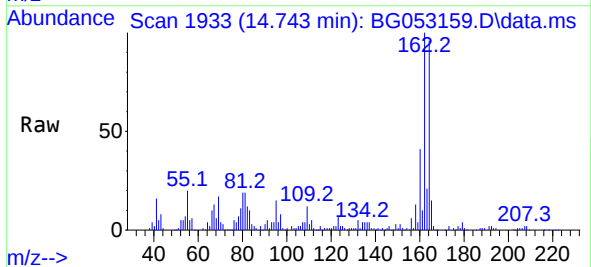
Tgt Ion: 82 Resp: 11528
Ion Ratio Lower Upper
82 100
128 30.7 31.3 46.9
54 47.3 37.8 56.8

Manual Integrations
APPROVED

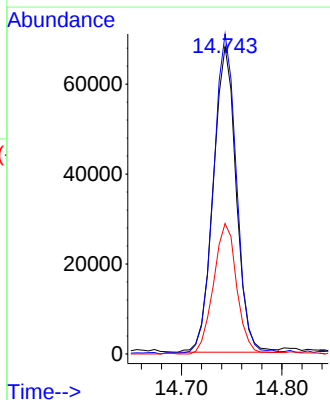
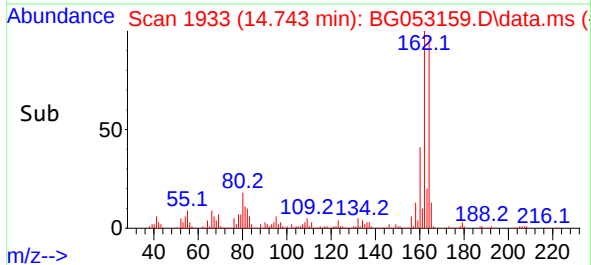
Reviewed By :Christian Giraldo 04/15/2022
Supervised By :Jagrut Upadhyay 04/15/2022

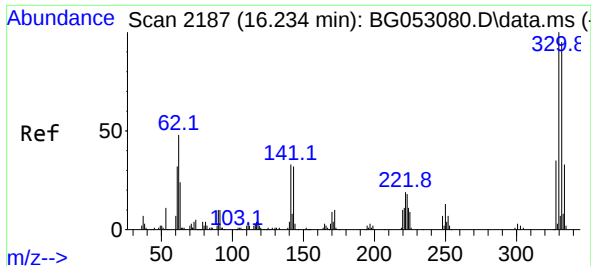


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.743 min Scan# 1933
Delta R.T. -0.005 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36



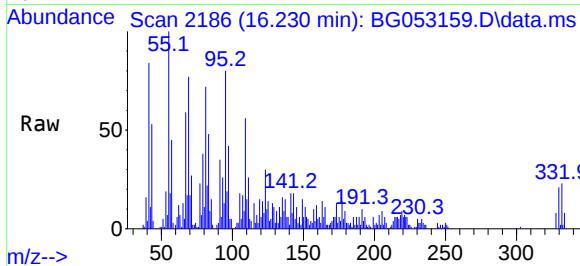
Tgt Ion:164 Resp: 107809
Ion Ratio Lower Upper
164 100
162 104.1 80.0 120.0
160 42.4 38.8 58.2





#42
2,4,6-Tribromophenol
Concen: 3.788 ng
RT: 16.230 min Scan# 2187
Delta R.T. -0.005 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

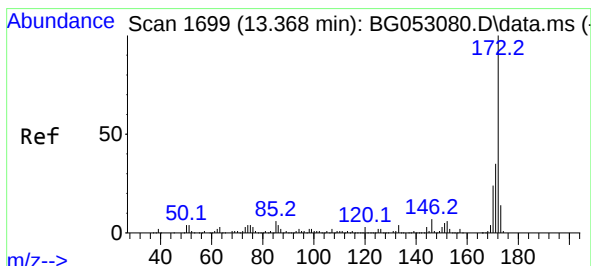
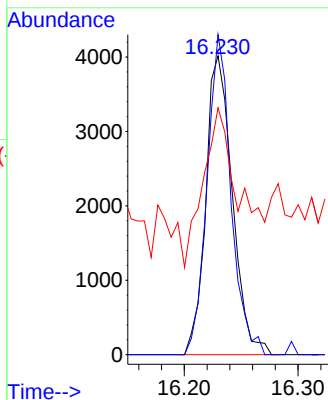
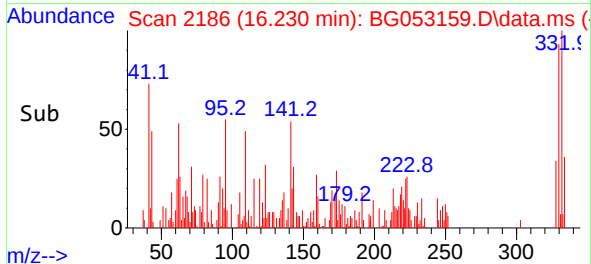
Instrument :
BNA_G
ClientSampleId :
26572DL



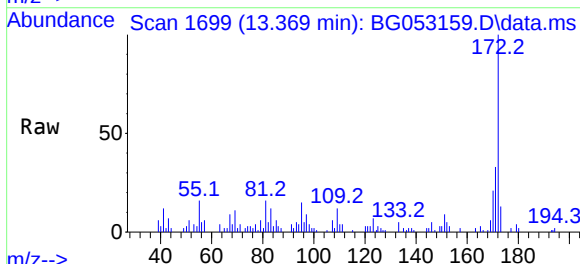
Tgt Ion: 330 Resp: 6498
Ion Ratio Lower Upper
330 100
332 96.9 75.8 113.6
141 72.9 24.6 36.8

Manual Integrations
APPROVED

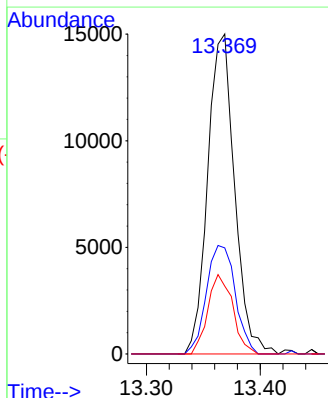
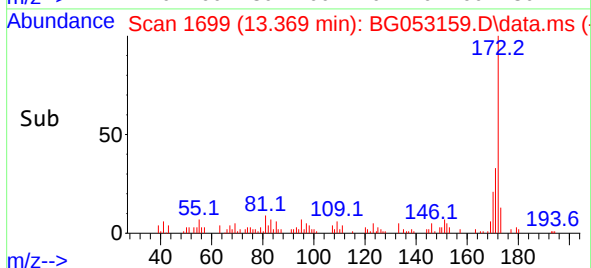
Reviewed By : Christian Giraldo 04/15/2022
Supervised By : Jagrut Upadhyay 04/15/2022

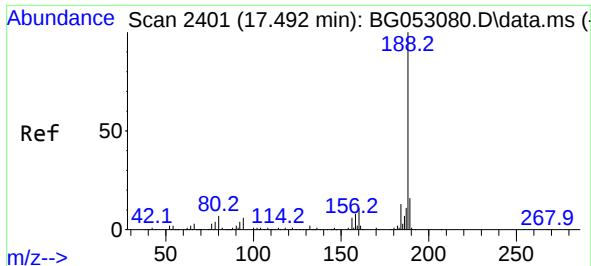


#45
2-Fluorobiphenyl
Concen: 3.153 ng
RT: 13.369 min Scan# 1699
Delta R.T. 0.001 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36



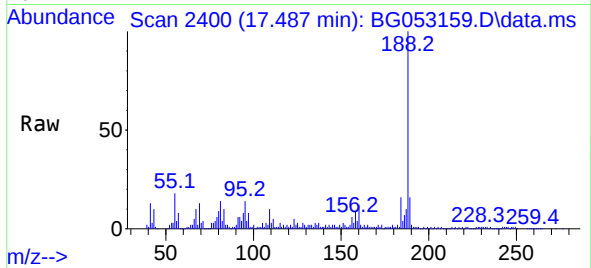
Tgt Ion: 172 Resp: 24648
Ion Ratio Lower Upper
172 100
171 33.1 28.3 42.5
170 21.2 18.0 27.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.487 min Scan# 2401
Delta R.T. -0.005 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

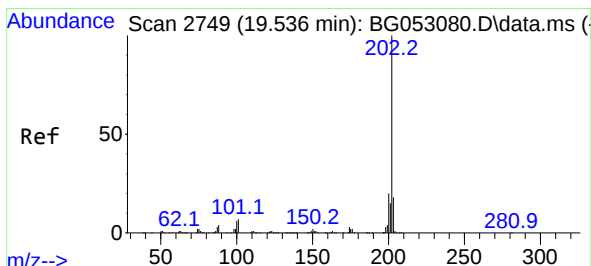
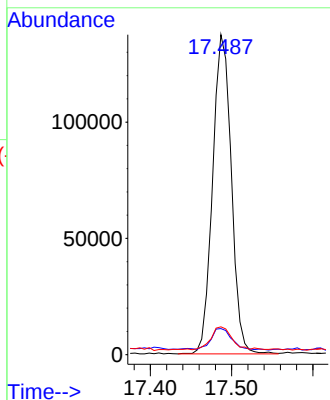
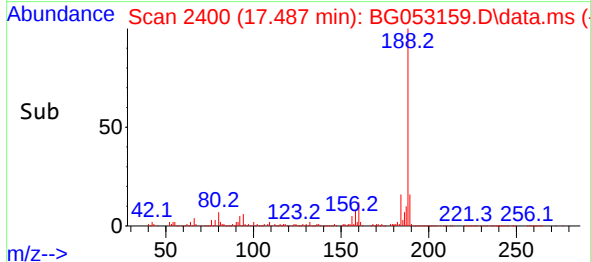
Instrument :
BNA_G
ClientSampleId :
26572DL



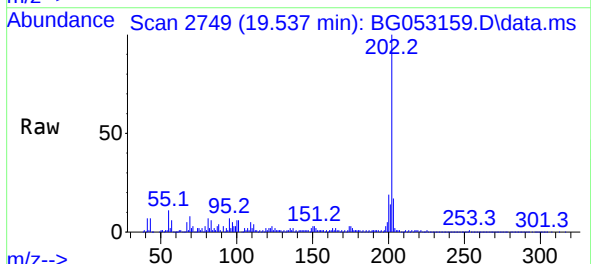
Tgt Ion:188 Resp: 219549
Ion Ratio Lower Upper
188 100
94 8.2 5.7 8.5
80 8.7 7.2 10.8

Manual Integrations
APPROVED

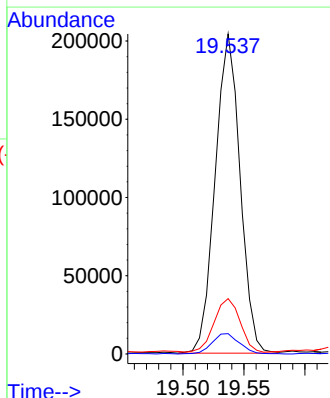
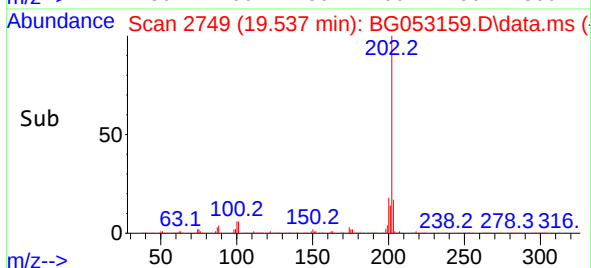
Reviewed By :Christian Giraldo 04/15/2022
Supervised By :Jagrut Upadhyay 04/15/2022

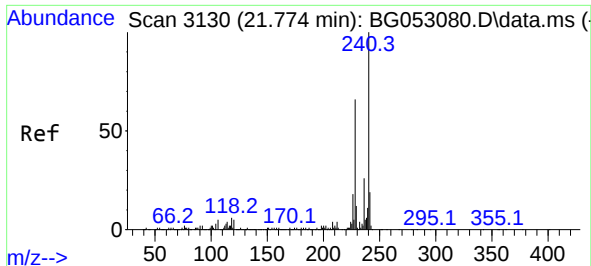


#75
Fluoranthene
Concen: 18.873 ng
RT: 19.537 min Scan# 2749
Delta R.T. 0.001 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36



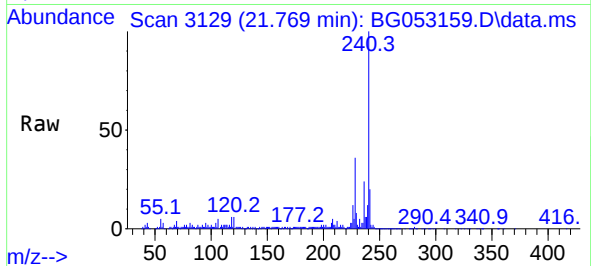
Tgt Ion:202 Resp: 290119
Ion Ratio Lower Upper
202 100
101 6.4 0.0 27.3
203 17.3 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.769 min Scan# 3130
Delta R.T. -0.005 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

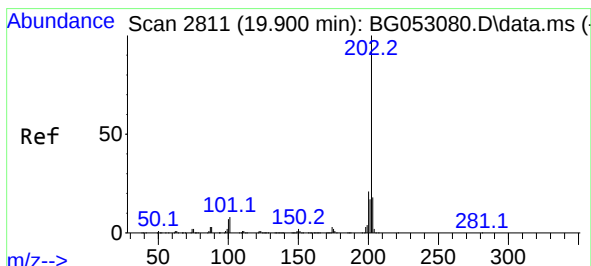
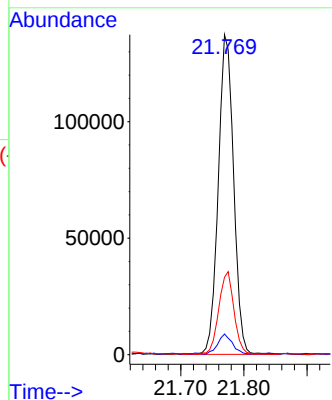
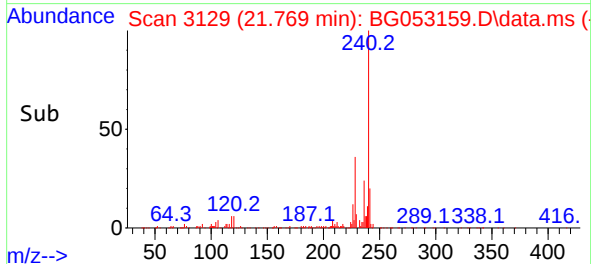
Instrument :
BNA_G
ClientSampleId :
26572DL



Tgt Ion:240 Resp: 231649
Ion Ratio Lower Upper
240 100
120 6.5 5.4 8.0
236 24.2 19.8 29.6

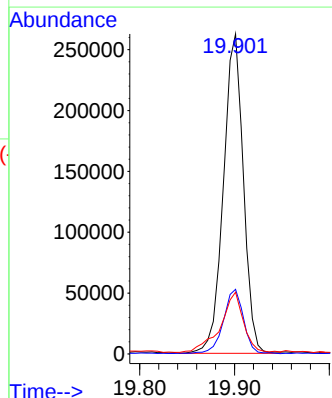
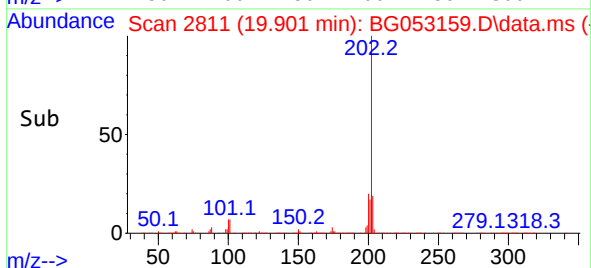
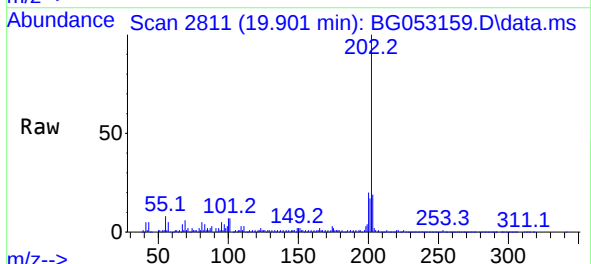
Manual Integrations
APPROVED

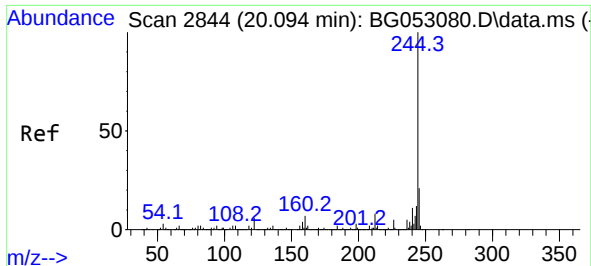
Reviewed By :Christian Giraldo 04/15/2022
Supervised By :Jagrut Upadhyay 04/15/2022



#78
Pyrene
Concen: 23.325 ng
RT: 19.901 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

Tgt Ion:202 Resp: 384824
Ion Ratio Lower Upper
202 100
200 20.2 17.0 25.6
203 19.3 15.0 22.6





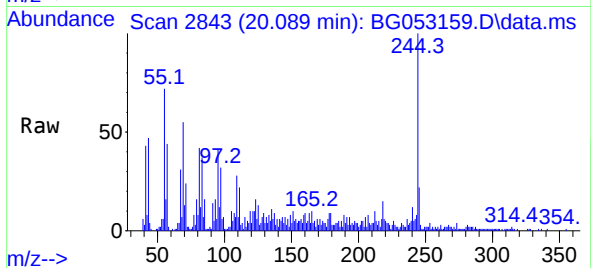
#79
 Terphenyl-d14
 Concen: 2.931 ng
 RT: 20.089 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053159.D
 Acq: 14 Apr 2022 16:36

Instrument :

BNA_G

ClientSampleId :

26572DL

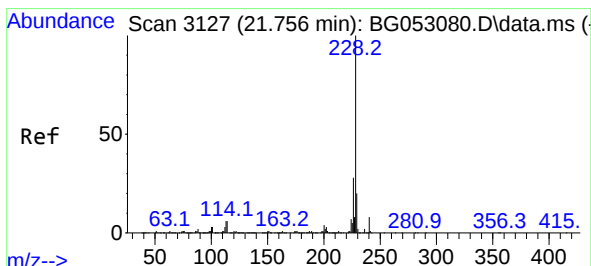
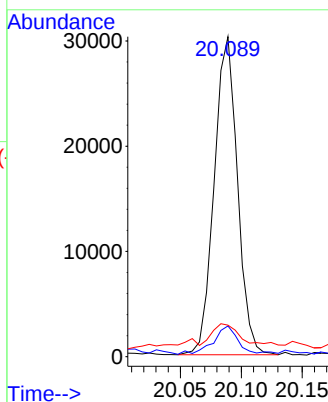
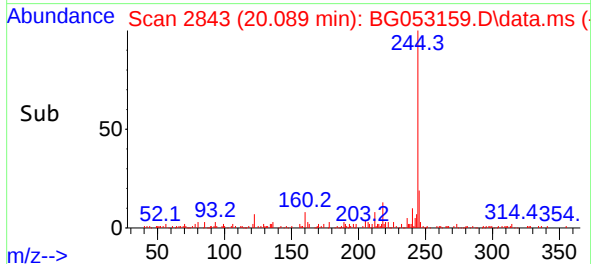


Tgt Ion:244 Resp: 4019
 Ion Ratio Lower Upper
 244 100
 212 9.6 5.4 8.2
 122 9.8 5.8 8.6

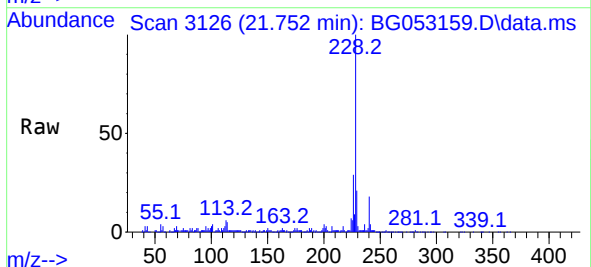
Manual Integrations

APPROVED

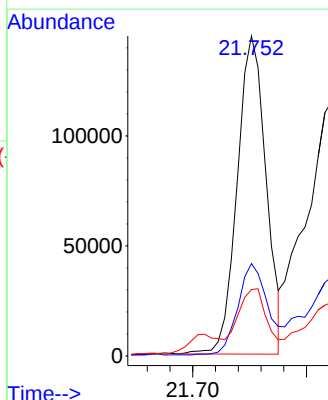
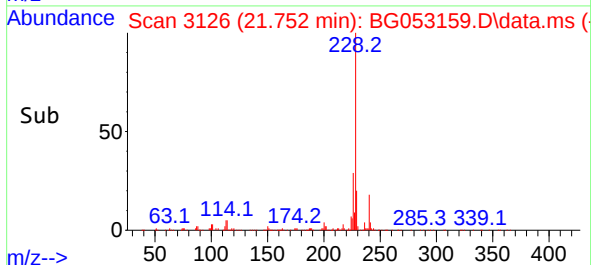
Reviewed By :Christian Giraldo 04/15/2022
 Supervised By :Jagrut Upadhyay 04/15/2022

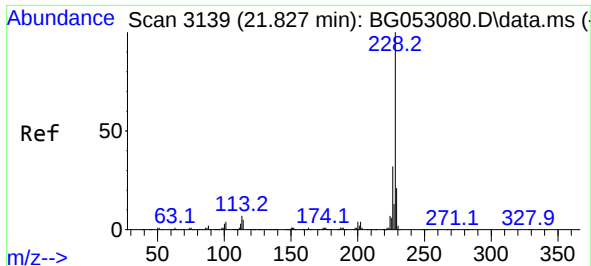


#81
 Benzo(a)anthracene
 Concen: 16.087 ng
 RT: 21.752 min Scan# 3126
 Delta R.T. -0.005 min
 Lab File: BG053159.D
 Acq: 14 Apr 2022 16:36



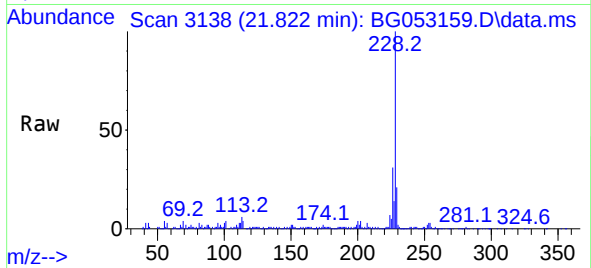
Tgt Ion:228 Resp: 254799
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.4 32.0
 229 20.7 16.7 25.1





#83
Chrysene
Concen: 17.953 ng m
RT: 21.822 min Scan# 3139
Delta R.T. -0.005 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

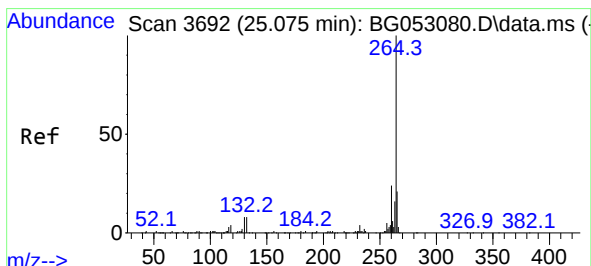
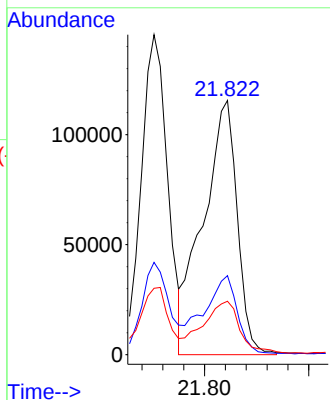
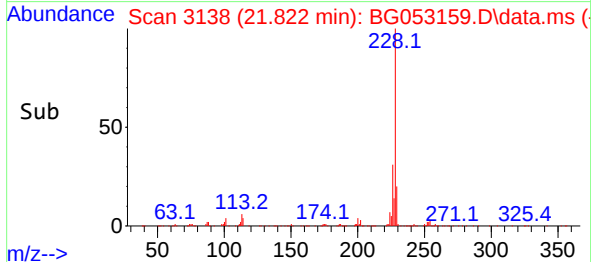
Instrument :
BNA_G
ClientSampleId :
26572DL



Tgt Ion:228 Resp: 263894
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 21.0 16.3 24.5

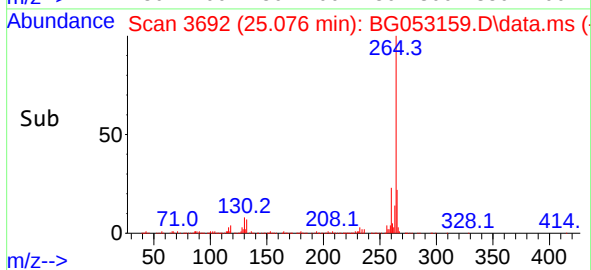
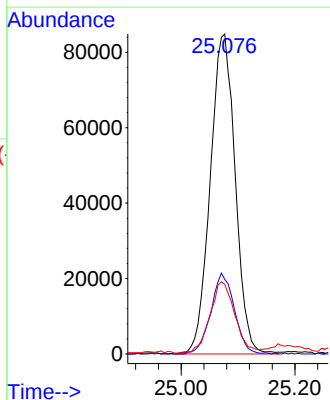
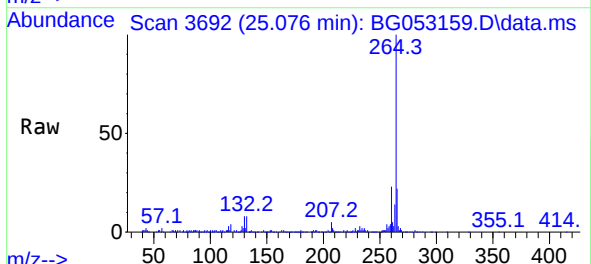
Manual Integrations
APPROVED

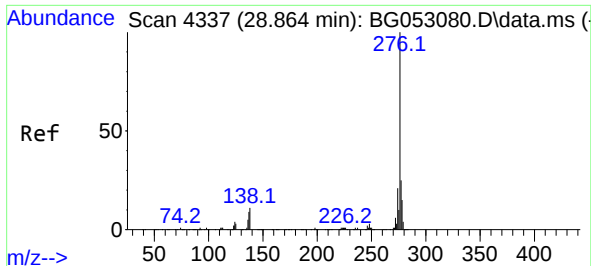
Reviewed By :Christian Giraldo 04/15/2022
Supervised By :Jagrut Upadhyay 04/15/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.076 min Scan# 3692
Delta R.T. 0.001 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

Tgt Ion:264 Resp: 258333
Ion Ratio Lower Upper
264 100
260 23.3 18.2 27.2
265 21.7 15.1 22.7





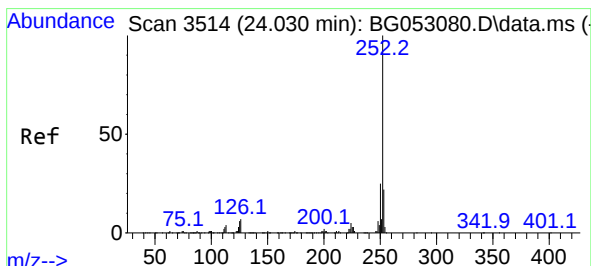
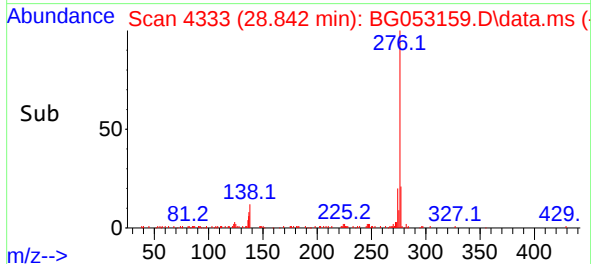
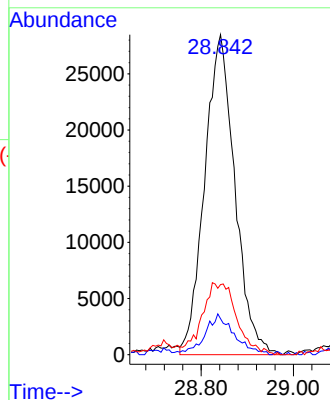
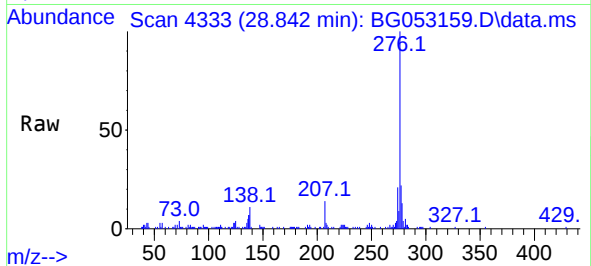
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.758 ng
RT: 28.842 min Scan# 4337
Delta R.T. -0.022 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

Instrument :
BNA_G
ClientSampleId :
26572DL

Tgt Ion:276 Resp: 129708
Ion Ratio Lower Upper
276 100
138 12.3 8.7 13.1
277 10.0 20.2 30.4

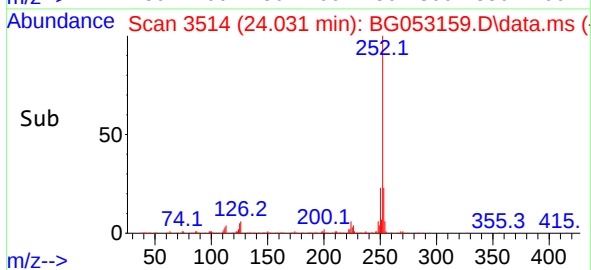
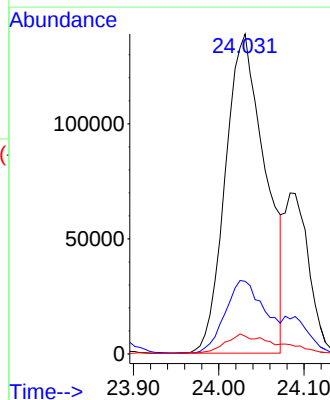
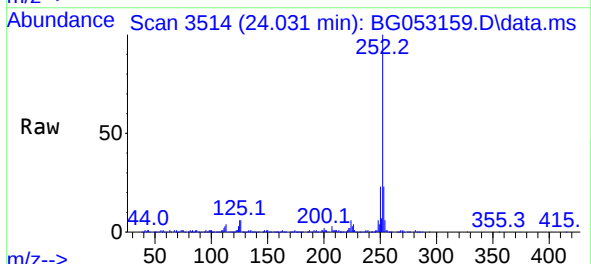
Manual Integrations
APPROVED

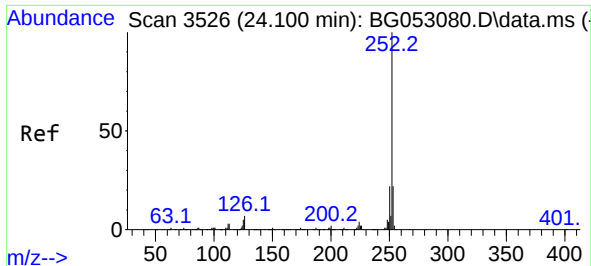
Reviewed By :Christian Giraldo 04/15/2022
Supervised By :Jagrut Upadhyay 04/15/2022



#88
Benzo(b)fluoranthene
Concen: 27.791 ng
RT: 24.031 min Scan# 3514
Delta R.T. 0.001 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

Tgt Ion:252 Resp: 452981
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 5.5 5.2 7.8





#89

Benzo(k)fluoranthene

Concen: 8.591 ng m

RT: 24.084 min Scan# 3

Delta R.T. -0.017 min

Lab File: BG053159.D

Acq: 14 Apr 2022 16:36

Instrument :

BNA_G

ClientSampleId :

26572DL

Tgt Ion:252 Resp: 13762

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

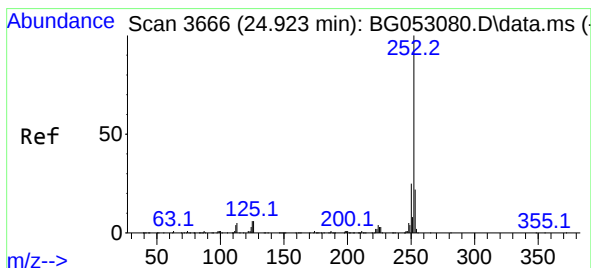
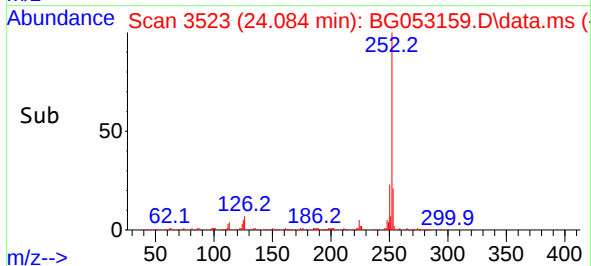
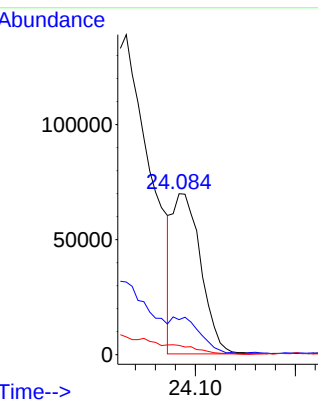
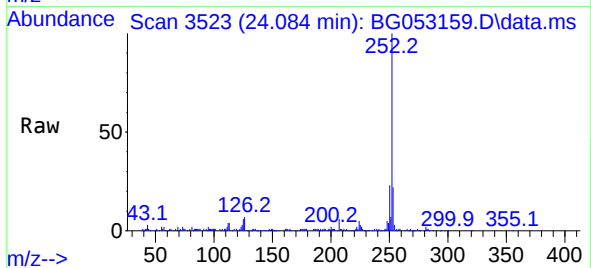
125 5.8 5.0 7.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/15/2022

Supervised By :Jagrut Upadhyay 04/15/2022



#90

Benzo(a)pyrene

Concen: 16.405 ng

RT: 24.918 min Scan# 3665

Delta R.T. -0.005 min

Lab File: BG053159.D

Acq: 14 Apr 2022 16:36

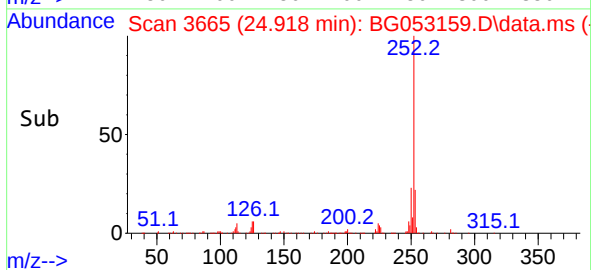
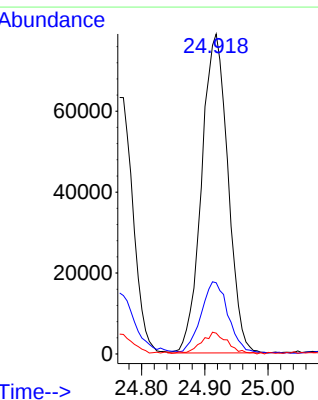
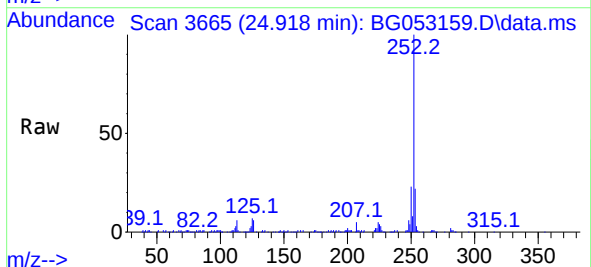
Tgt Ion:252 Resp: 227786

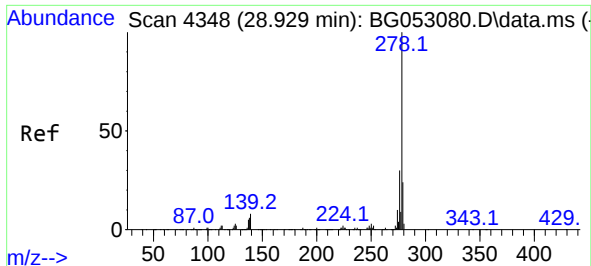
Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

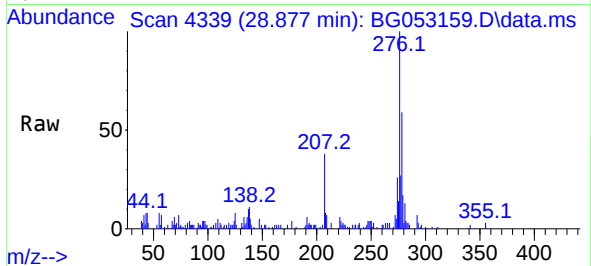
125 6.5 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 2.200 ng m
RT: 28.877 min Scan# 41
Delta R.T. -0.052 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36

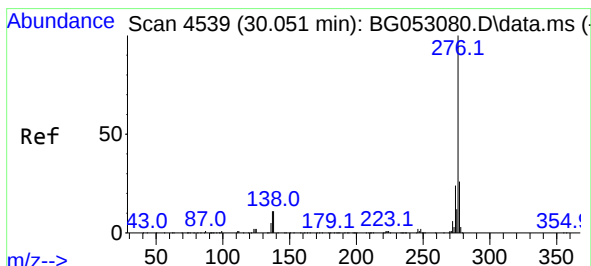
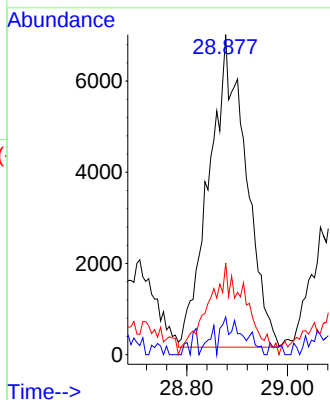
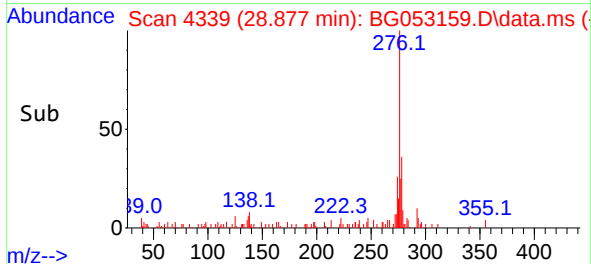
Instrument :
BNA_G
ClientSampleId :
26572DL



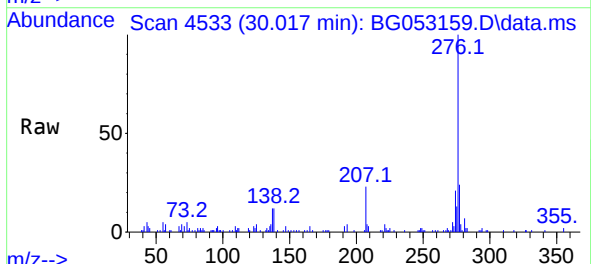
Tgt Ion:278 Resp: 3475
Ion Ratio Lower Upper
278 100
139 8.9 7.8 11.6
279 28.6 18.5 27.7

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/15/2022
Supervised By :Jagrut Upadhyay 04/15/2022



#92
Benzo(g,h,i)perylene
Concen: 6.735 ng
RT: 30.017 min Scan# 4533
Delta R.T. -0.034 min
Lab File: BG053159.D
Acq: 14 Apr 2022 16:36



Tgt Ion:276 Resp: 104864
Ion Ratio Lower Upper
276 100
277 23.9 18.2 27.2
138 11.7 9.1 13.7

