

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
 Data File : BG056358.D
 Acq On : 19 Jan 2023 22:33
 Operator : CG/JU
 Sample : 01179-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB21127

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/20/2023
 Supervised By : Jagrut Upadhyay 01/20/2023

Quant Time: Jan 20 01:37:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 19 00:31:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.305	152	42186	20.000	ng	0.00
21) Naphthalene-d8	11.137	136	158842	20.000	ng	0.00
39) Acenaphthene-d10	14.915	164	127229	20.000	ng	0.00
64) Phenanthrene-d10	17.653	188	315276	20.000	ng	0.00
76) Chrysene-d12	21.948	240	286275	20.000	ng	0.00
86) Perylene-d12	25.397	264	310802	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.826	112	285904	121.007	ng	0.00
7) Phenol-d6	7.448	99	392330	108.126	ng	0.00
23) Nitrobenzene-d5	9.480	82	202961	65.359	ng	0.00
42) 2,4,6-Tribromophenol	16.402	330	183873	114.112	ng	0.00
45) 2-Fluorobiphenyl	13.546	172	591654	64.216	ng	0.00
79) Terphenyl-d14	20.233	244	1054390	65.967	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.694	178	207609	12.707	ng	97
75) Fluoranthene	19.692	202	519246	24.364	ng	99
78) Pyrene	20.050	202	424730	21.049	ng	99
81) Benzo(a)anthracene	21.931	228	220503	10.966	ng	98
83) Chrysene	22.001	228	262778m	13.952	ng	
84) Bis(2-ethylhexyl)phtha...	21.790	149	20506	2.459	ng	99
87) Indeno(1,2,3-cd)pyrene	29.351	276	183634	8.124	ng	# 96
88) Benzo(b)fluoranthene	24.292	252	375506	19.016	ng	99
89) Benzo(k)fluoranthene	24.357	252	131115m	6.668	ng	
90) Benzo(a)pyrene	25.227	252	236696	12.289	ng	99
91) Dibenzo(a,h)anthracene	29.387	278	48597	2.564	ng	# 96
92) Benzo(g,h,i)perylene	30.591	276	175247	9.536	ng	99

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

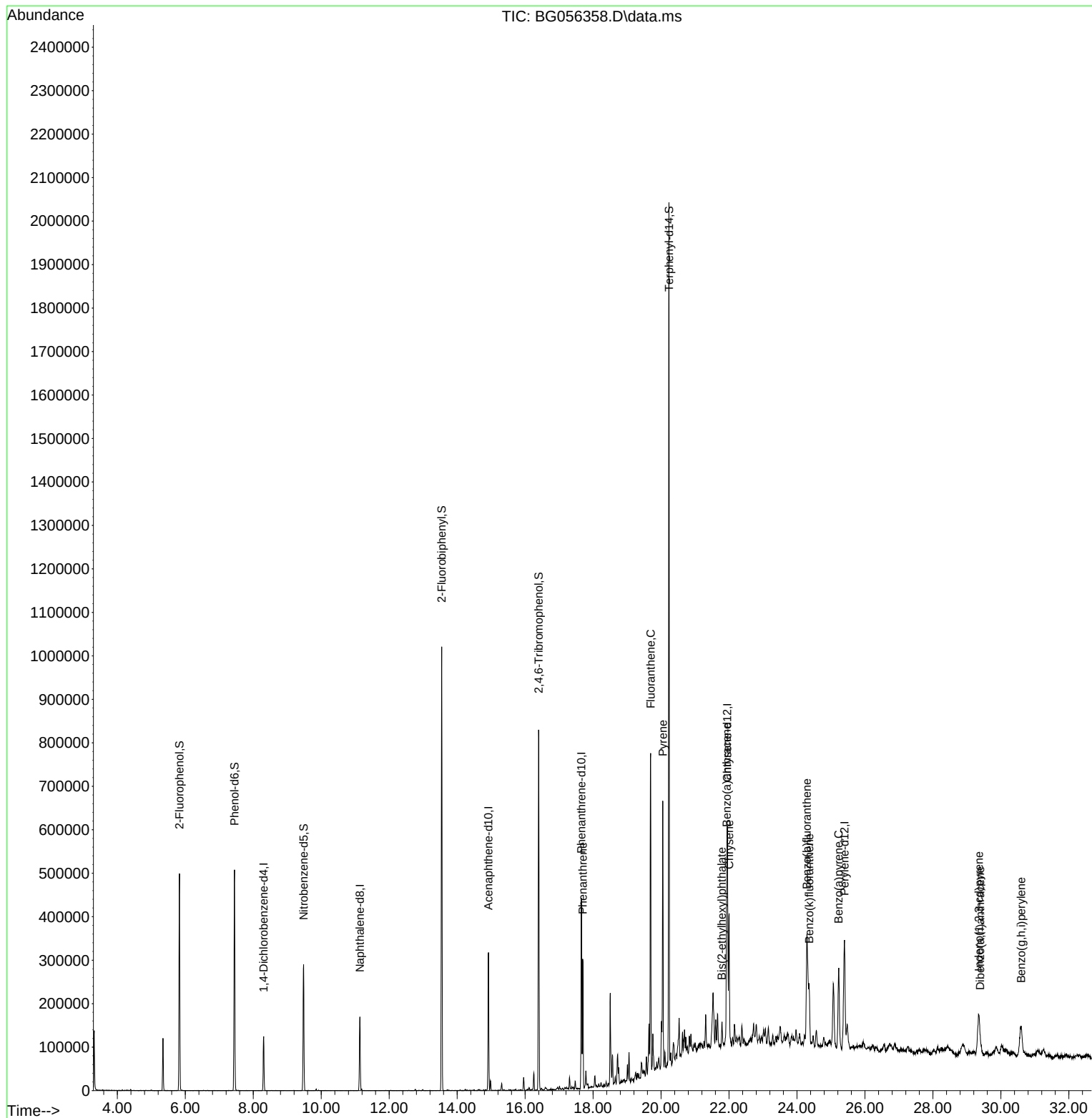
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011923\
Data File : BG056358.D
Acq On : 19 Jan 2023 22:33
Operator : CG/JU
Sample : 01179-03
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ALS Vial : 13 Sample Multiplier: 1

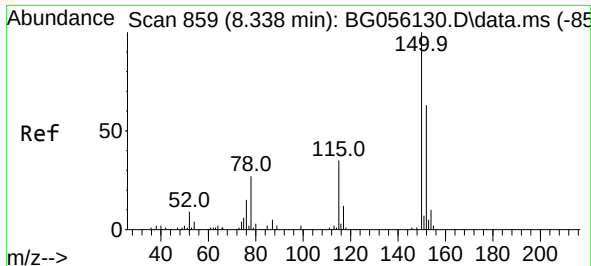
Instrument :
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ClientSampleId :
RB21127

Quant Time: Jan 20 01:37:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 19 00:31:30 2023
Response via : Initial Calibration

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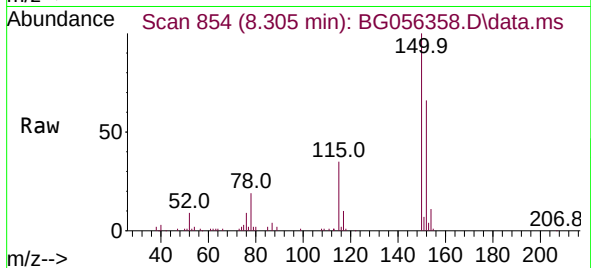
Reviewed By : Christian Giraldo 01/20/2023
Supervised By : Jagrut Upadhyay 01/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.305 min Scan# 859
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

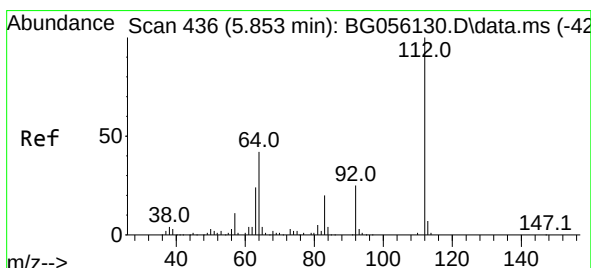
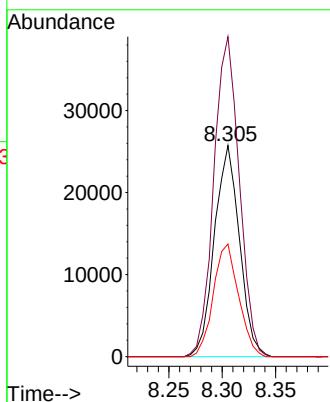
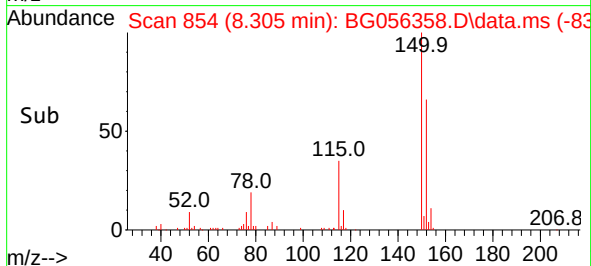
Instrument :
BNA_G
ClientSampleId :
RB21127



Tgt Ion:152 Resp: 42186
Ion Ratio Lower Upper
152 100
150 151.6 127.9 191.9
115 53.3 44.2 66.2

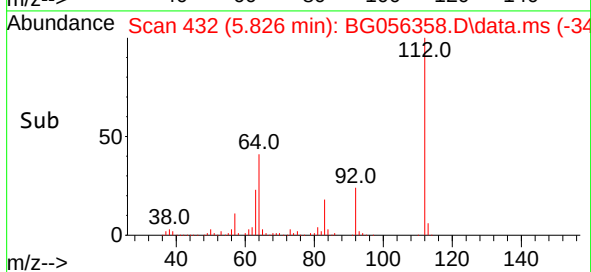
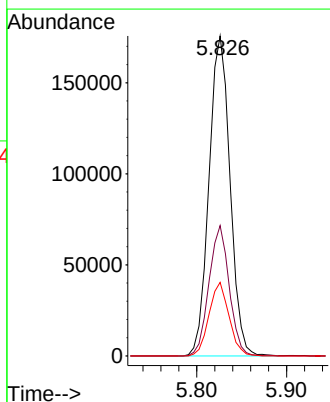
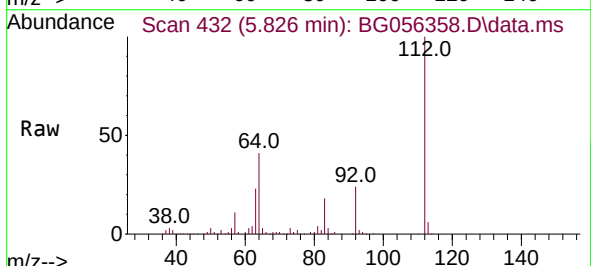
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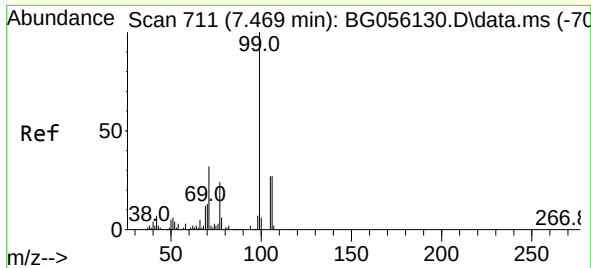
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#5
2-Fluorophenol
Concen: 121.007 ng
RT: 5.826 min Scan# 432
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

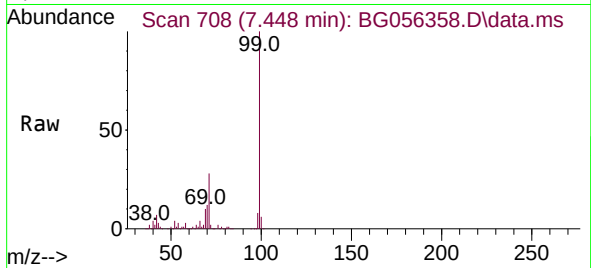
Tgt Ion:112 Resp: 285904
Ion Ratio Lower Upper
112 100
64 40.7 33.3 49.9
63 23.0 19.0 28.4





#7
Phenol-d6
Concen: 108.126 ng
RT: 7.448 min Scan# 70
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

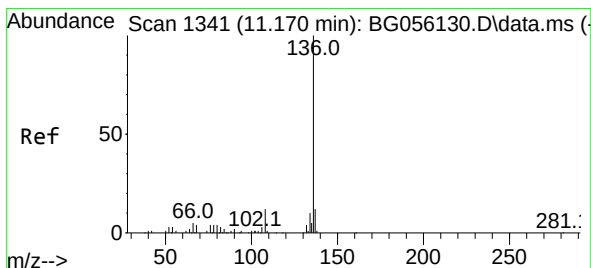
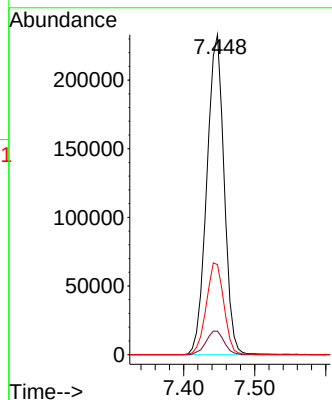
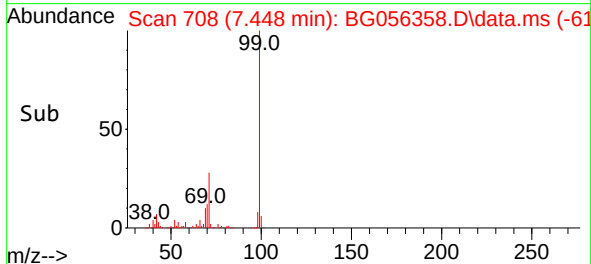
Instrument :
BNA_G
ClientSampleId :
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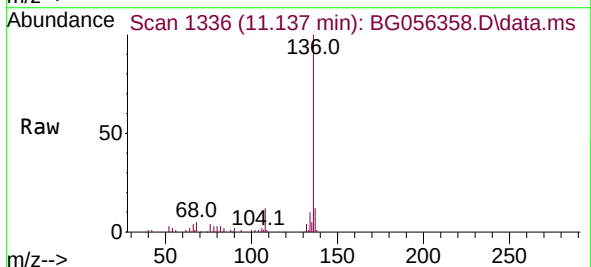
Tgt Ion: 99 Resp: 392330
Ion Ratio Lower Upper
99 100
42 7.3 5.9 8.9
71 28.1 25.4 38.2

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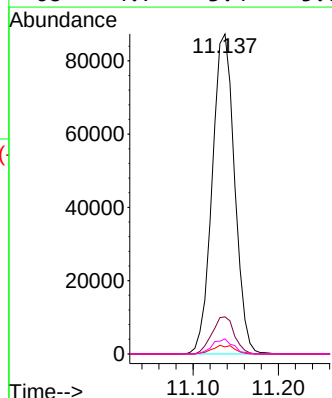
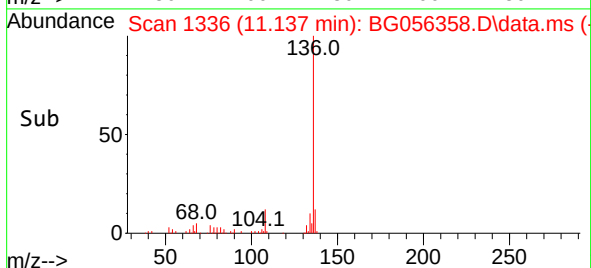
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

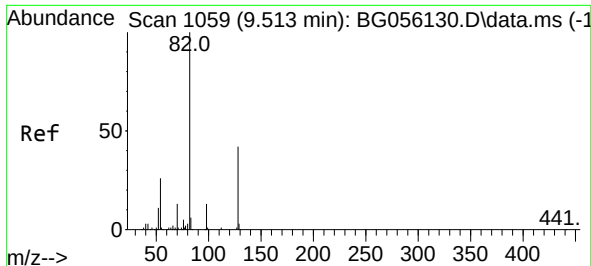


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.137 min Scan# 1336
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33



Tgt Ion:136 Resp: 158842
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 2.2 2.2 3.2
68 4.7 3.4 5.0





#23

Nitrobenzene-d5

Concen: 65.359 ng

RT: 9.480 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

Tgt Ion: 82 Resp: 20296

Ion Ratio Lower Upper

82 100

128 47.3 33.4 50.2

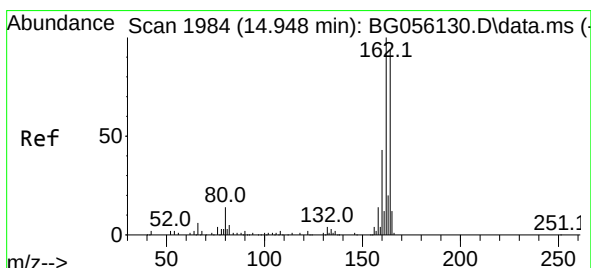
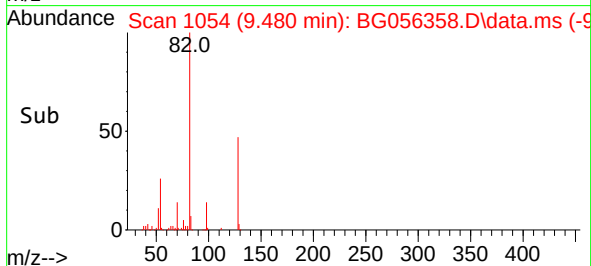
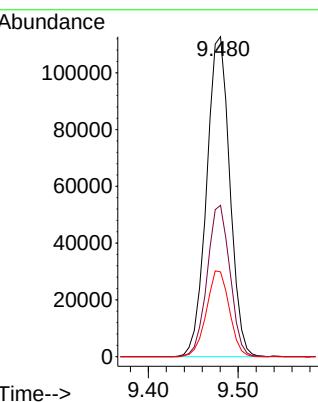
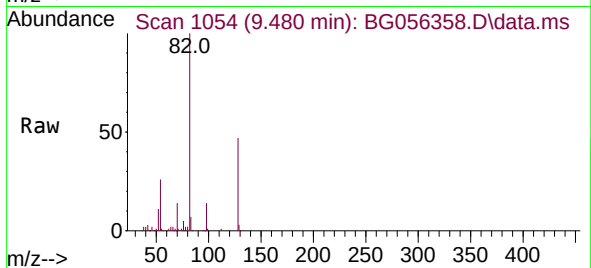
54 26.5 20.3 30.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.915 min Scan# 1979

Delta R.T. -0.006 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

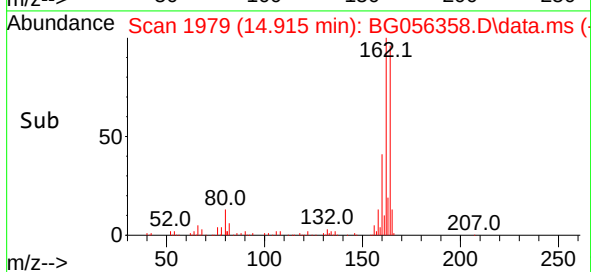
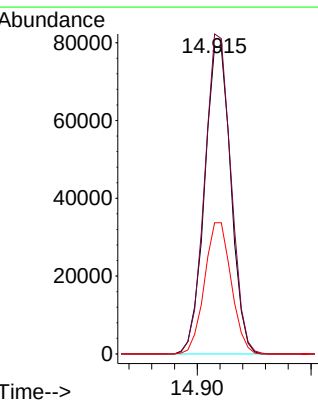
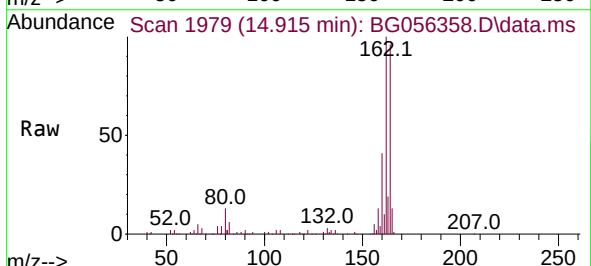
Tgt Ion:164 Resp: 127229

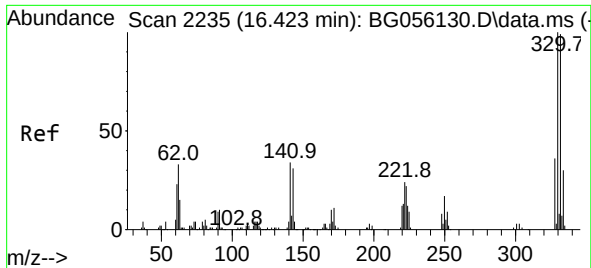
Ion Ratio Lower Upper

164 100

162 104.0 84.7 127.1

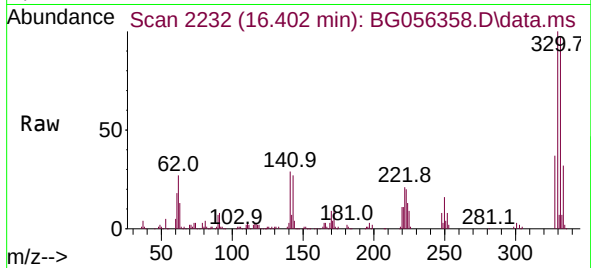
160 42.6 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 114.112 ng
RT: 16.402 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

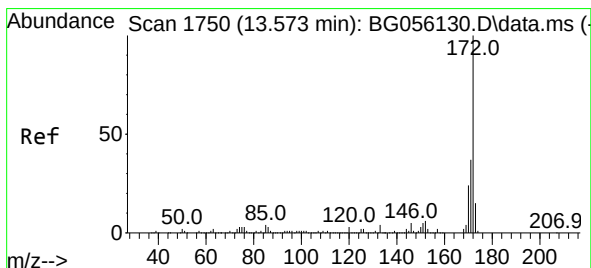
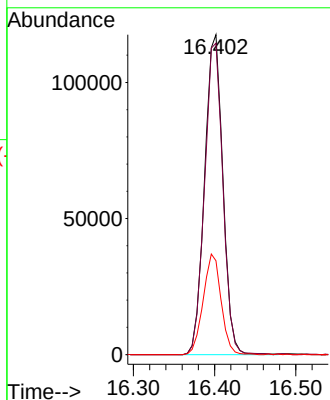
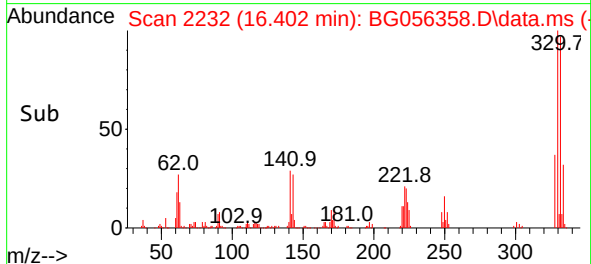
Instrument :
BNA_G
ClientSampleId :
RB21127



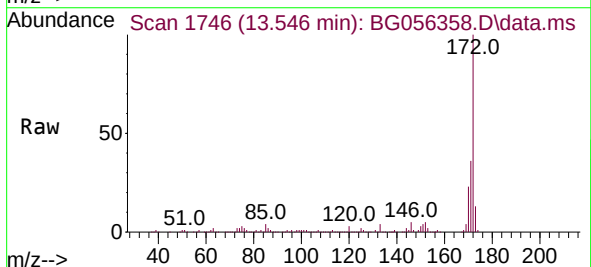
Tgt Ion:330 Resp: 183873
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 30.8 27.9 41.9

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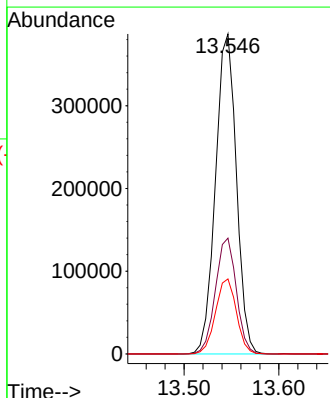
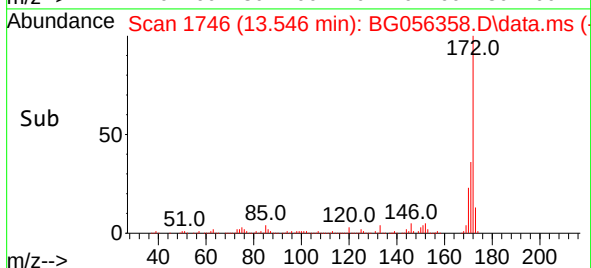
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

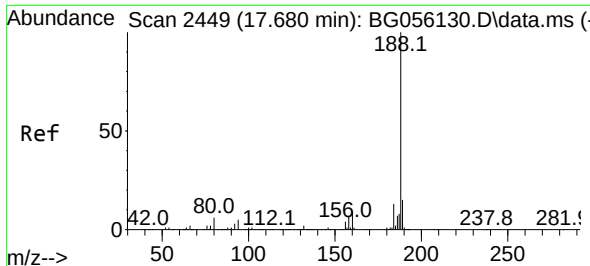


#45
2-Fluorobiphenyl
Concen: 64.216 ng
RT: 13.546 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33



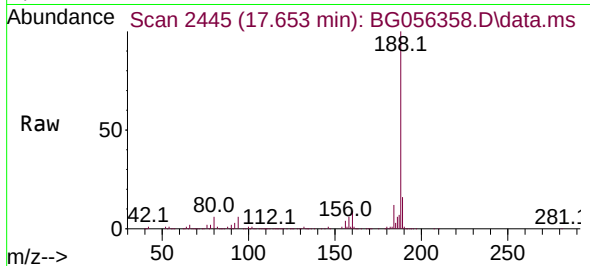
Tgt Ion:172 Resp: 591654
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.4 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.653 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

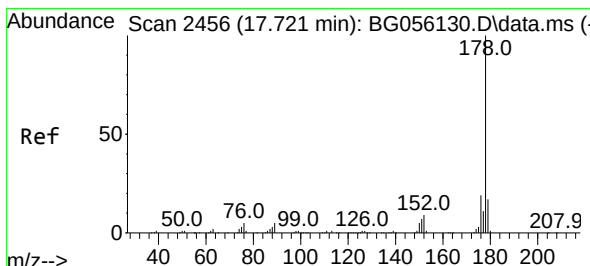
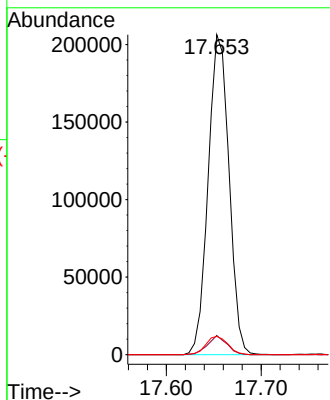
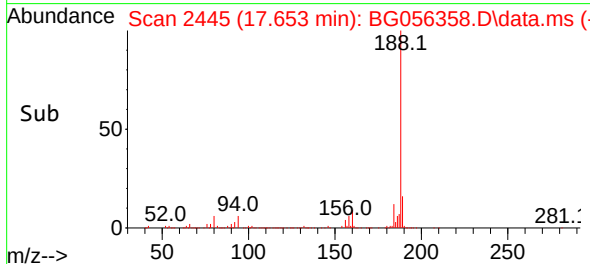
Instrument :
BNA_G
ClientSampleId :
RB21127



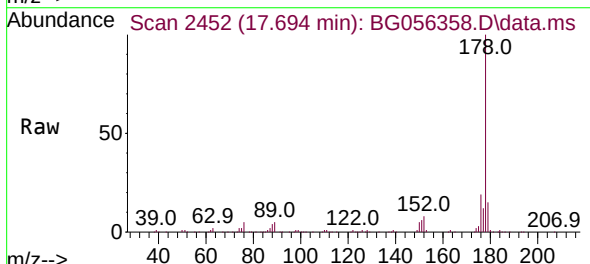
Tgt Ion:188 Resp: 315276
Ion Ratio Lower Upper
188 100
94 6.0 4.2 6.2
80 5.7 5.0 7.4

Manual Integrations
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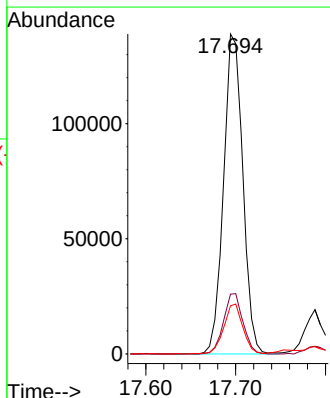
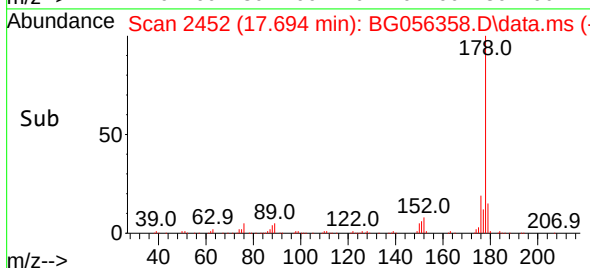
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

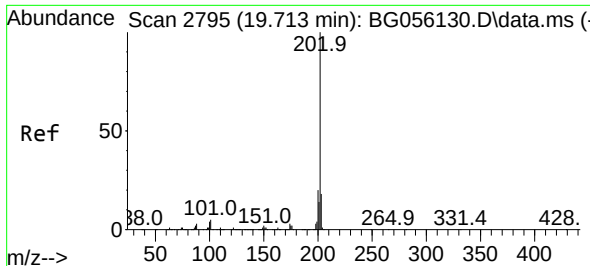


#71
Phenanthrene
Concen: 12.707 ng
RT: 17.694 min Scan# 2452
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33



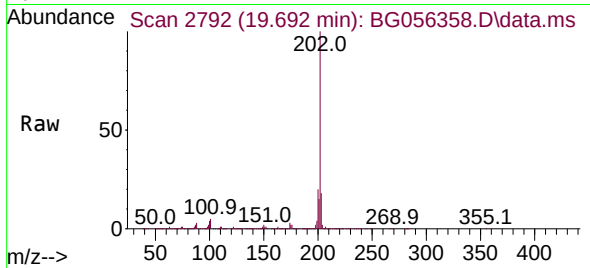
Tgt Ion:178 Resp: 207609
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.0 13.6 20.4





#75
Fluoranthene
Concen: 24.364 ng
RT: 19.692 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

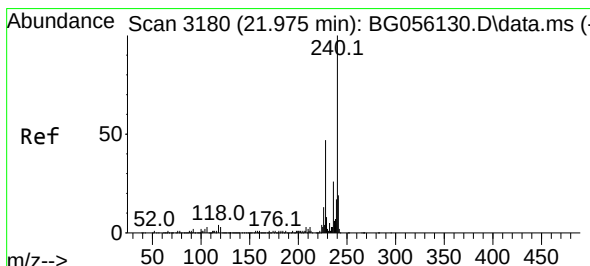
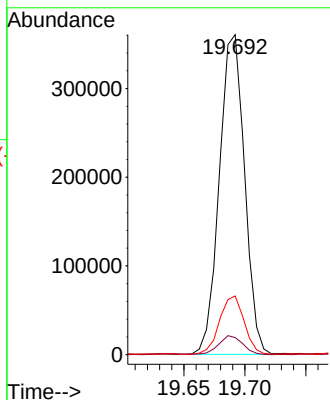
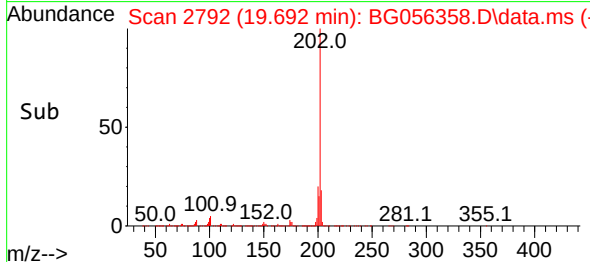
Instrument :
BNA_G
ClientSampleId :
RB21127



Tgt Ion:202 Resp: 519246
Ion Ratio Lower Upper
202 100
101 5.3 0.0 25.0
203 18.4 0.0 38.0

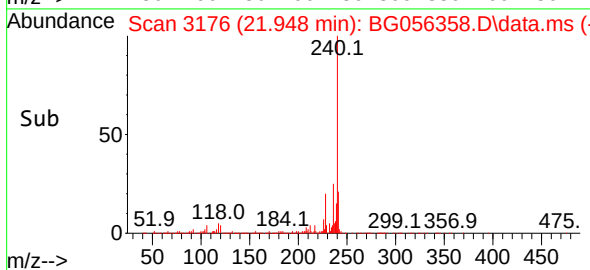
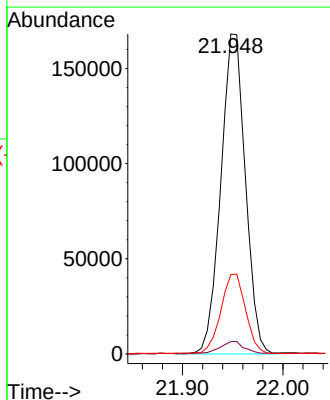
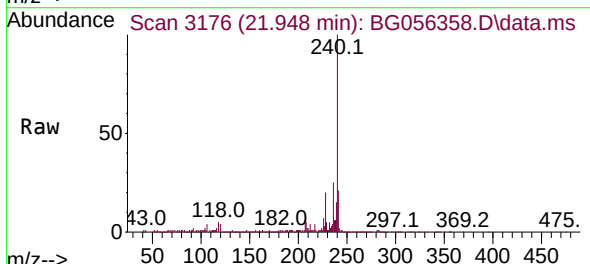
Manual Integrations
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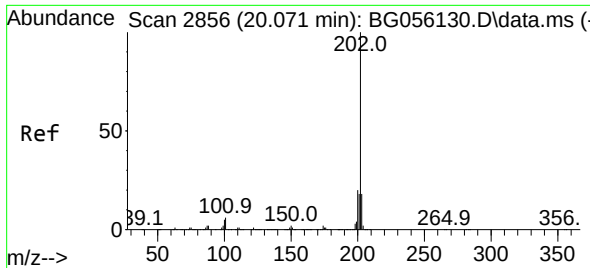
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.948 min Scan# 3176
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

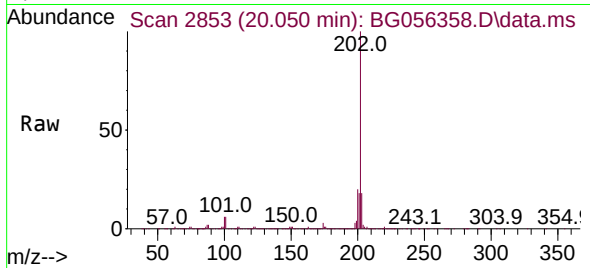
Tgt Ion:240 Resp: 286275
Ion Ratio Lower Upper
240 100
120 3.8 2.6 4.0
236 24.8 20.8 31.2





#78
 Pyrene
 Concen: 21.049 ng
 RT: 20.050 min Scan# 2853
 Delta R.T. -0.001 min
 Lab File: BG056358.D
 Acq: 19 Jan 2023 22:33

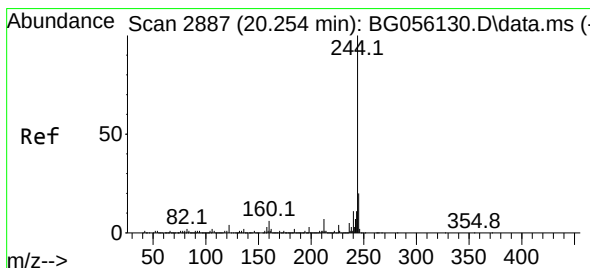
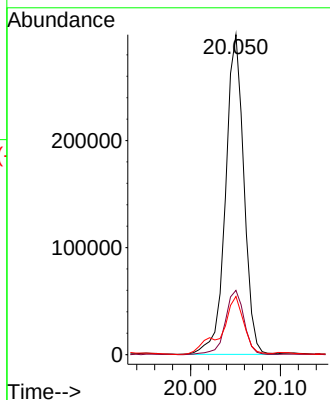
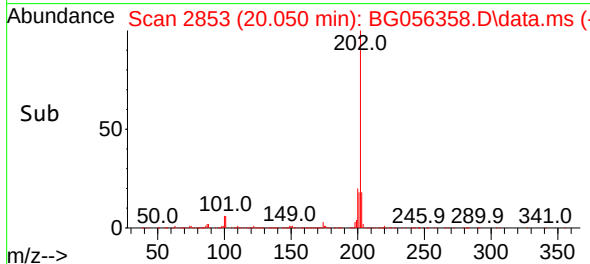
Instrument :
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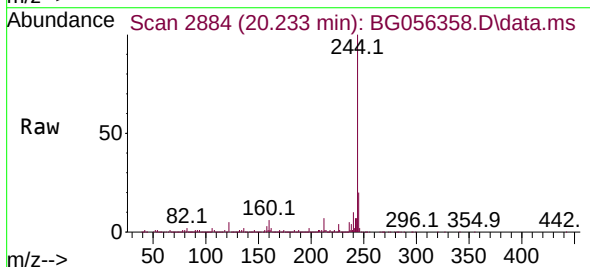
Tgt Ion:202 Resp: 424730
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.4 24.6
 203 18.2 14.3 21.5

Manual Integrations
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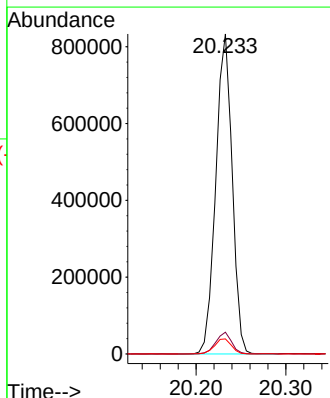
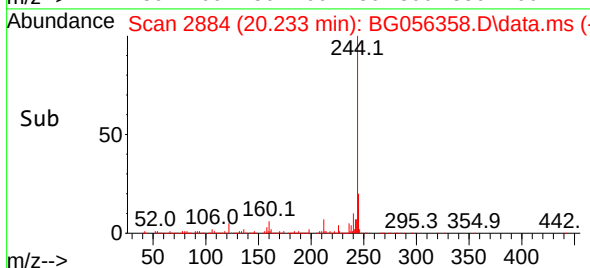
Reviewed By :Christian Giraldo 01/20/2023
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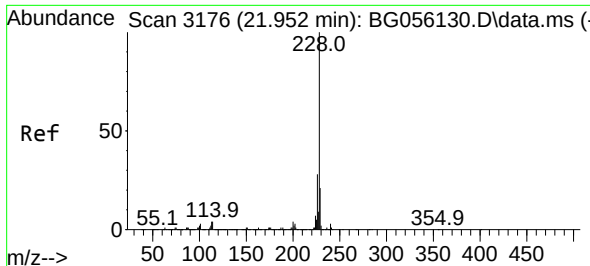


#79
 Terphenyl-d14
 Concen: 65.967 ng
 RT: 20.233 min Scan# 2884
 Delta R.T. -0.001 min
 Lab File: BG056358.D
 Acq: 19 Jan 2023 22:33



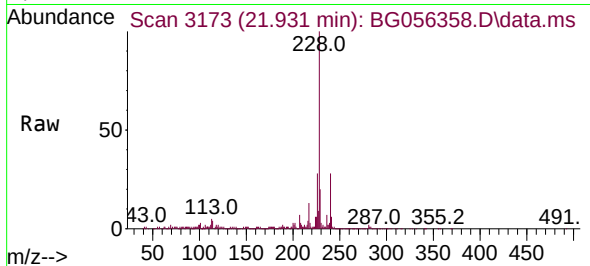
Tgt Ion:244 Resp: 1054390
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 4.7 3.5 5.3





#81
Benzo(a)anthracene
Concen: 10.966 ng
RT: 21.931 min Scan# 3173
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

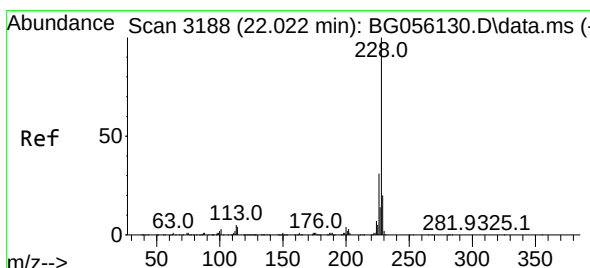
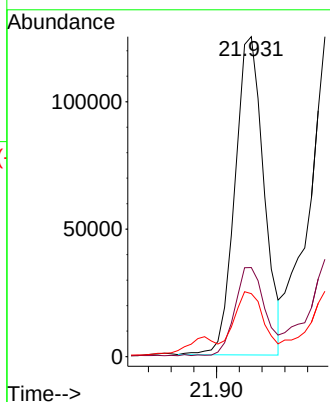
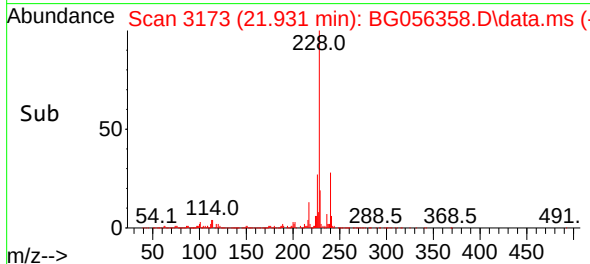
Instrument :
BNA_G
ClientSampleId :
RB21127



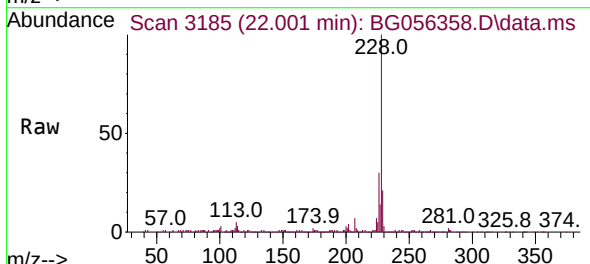
Tgt Ion:228 Resp: 220503
Ion Ratio Lower Upper
228 100
226 27.9 22.6 34.0
229 19.7 16.9 25.3

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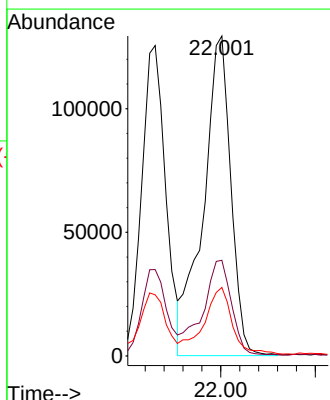
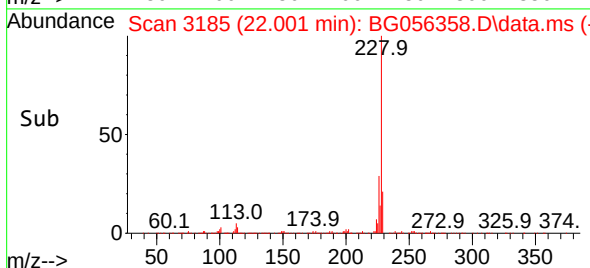
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

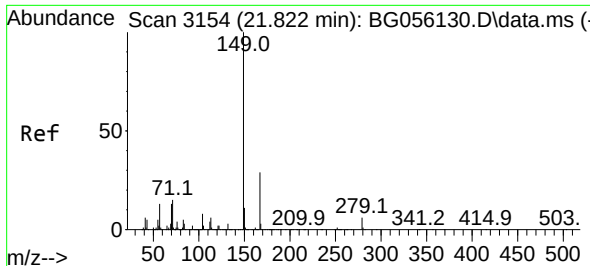


#83
Chrysene
Concen: 13.952 ng m
RT: 22.001 min Scan# 3185
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33



Tgt Ion:228 Resp: 262778
Ion Ratio Lower Upper
228 100
226 29.9 24.6 36.8
229 21.4 15.8 23.6





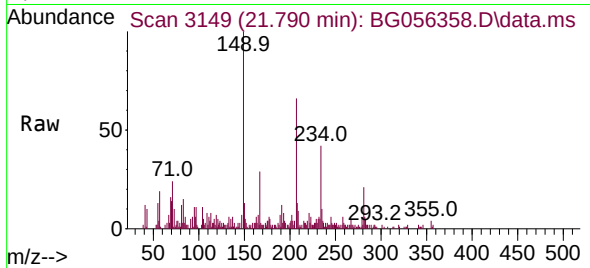
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.459 ng
RT: 21.790 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

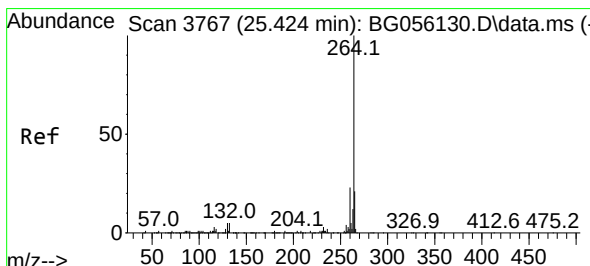
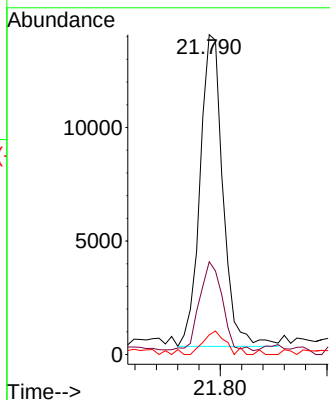
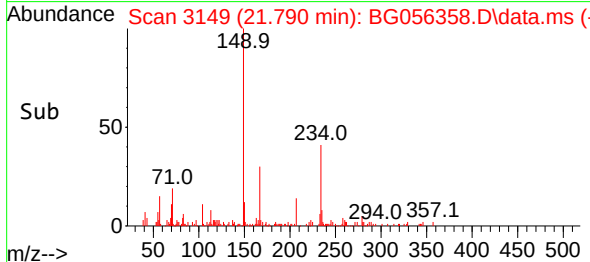


Tgt Ion:149 Resp: 20500
Ion Ratio Lower Upper
149 100
167 29.0 23.4 35.2
279 6.2 4.7 7.1

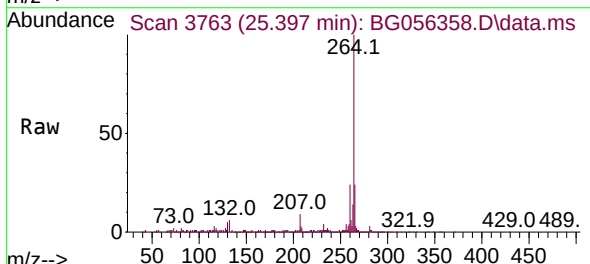
Manual Integrations

APPROVED

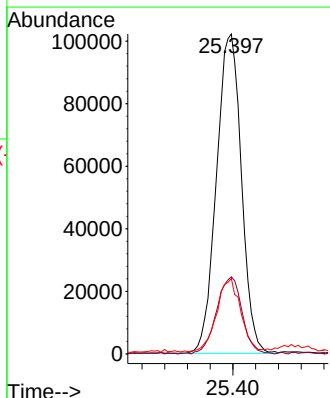
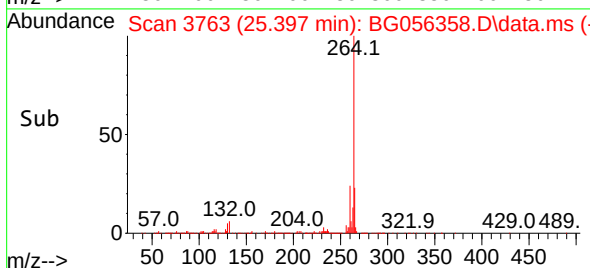
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

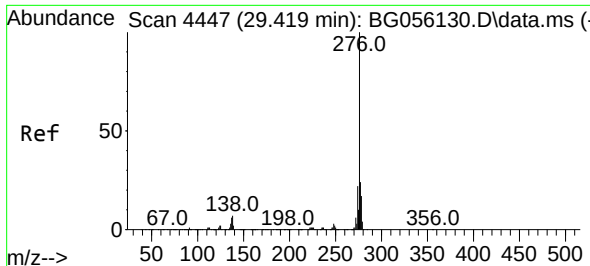


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.397 min Scan# 3763
Delta R.T. 0.005 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33



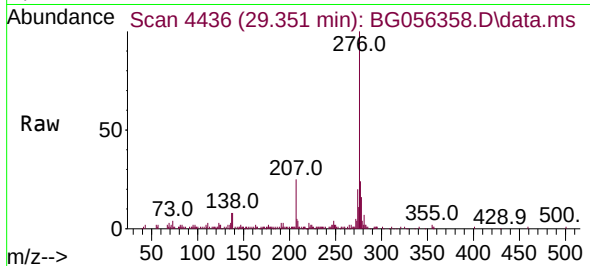
Tgt Ion:264 Resp: 310802
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 23.6 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.124 ng
RT: 29.351 min Scan# 4447
Delta R.T. -0.006 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

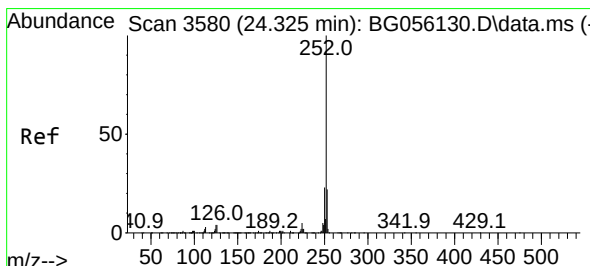
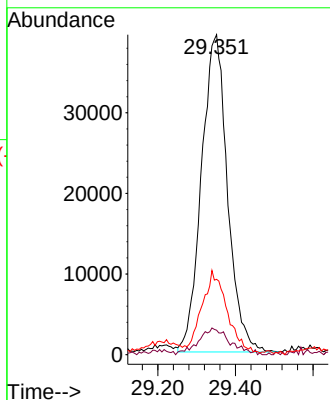
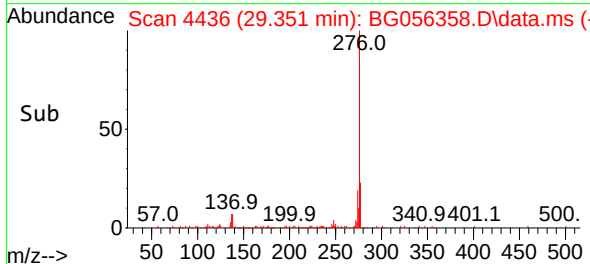
Instrument :
BNA_G
ClientSampleId :
RB21127



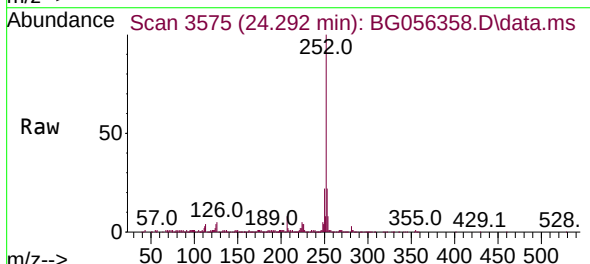
Tgt Ion:276 Resp: 183634
Ion Ratio Lower Upper
276 100
138 9.8 5.0 7.4
277 24.7 20.5 30.7

Manual Integrations
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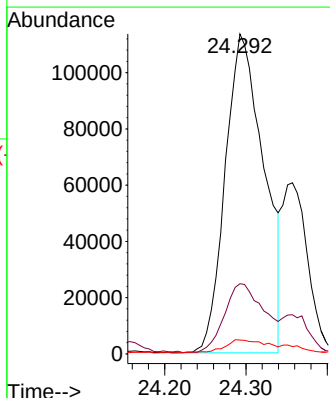
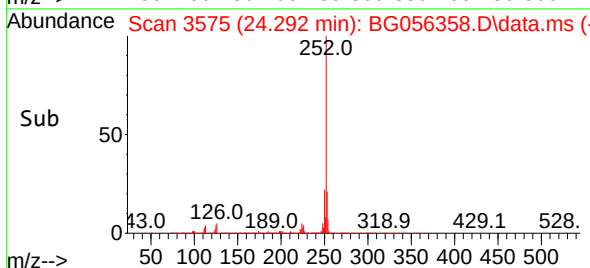
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

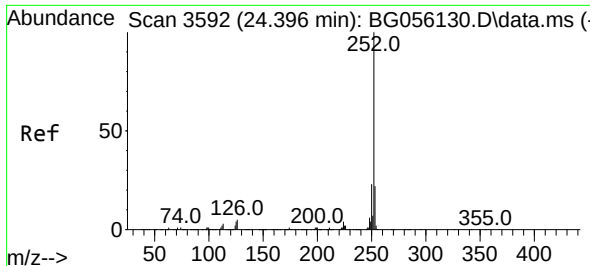


#88
Benzo(b)fluoranthene
Concen: 19.016 ng
RT: 24.292 min Scan# 3575
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33



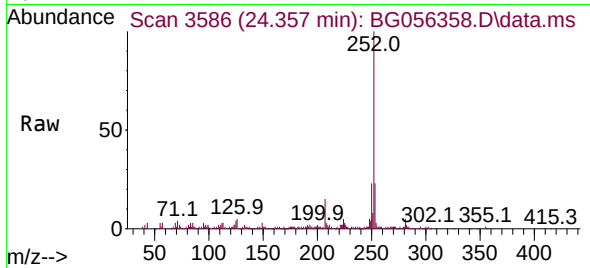
Tgt Ion:252 Resp: 375506
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 4.4 3.0 4.4





#89
Benzo(k)fluoranthene
Concen: 6.668 ng m
RT: 24.357 min Scan# 3586
Delta R.T. -0.012 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33

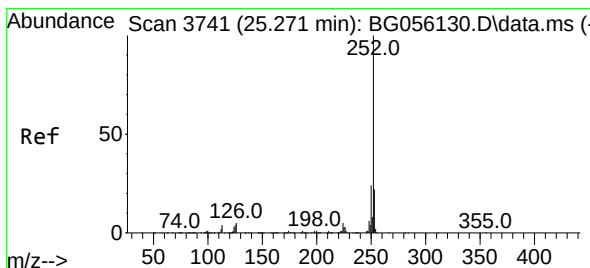
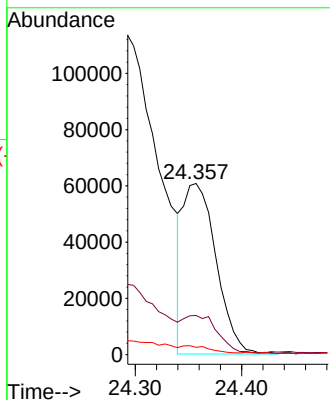
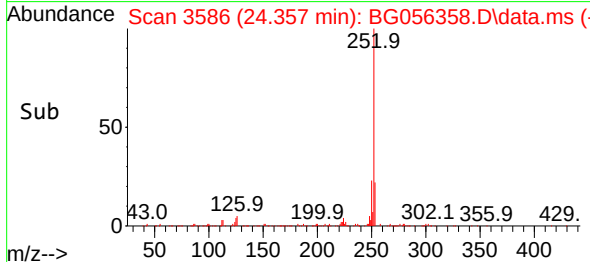
Instrument :
BNA_G
ClientSampleId :
RB21127



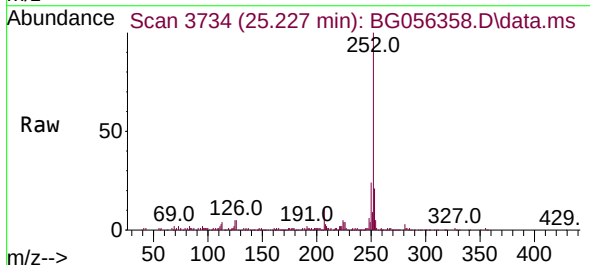
Tgt Ion:252 Resp: 131115
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 4.3 3.4 5.0

Manual Integrations
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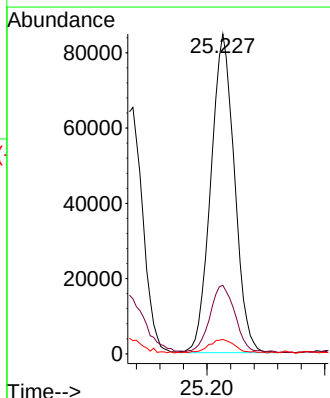
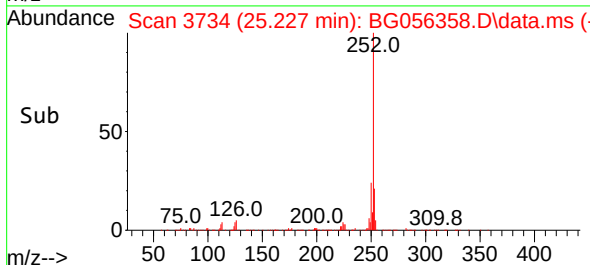
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

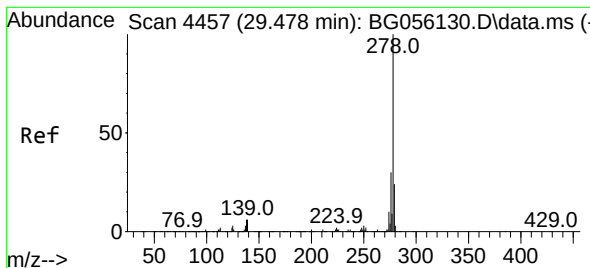


#90
Benzo(a)pyrene
Concen: 12.289 ng
RT: 25.227 min Scan# 3734
Delta R.T. -0.001 min
Lab File: BG056358.D
Acq: 19 Jan 2023 22:33



Tgt Ion:252 Resp: 236696
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.2
125 4.6 3.2 4.8





#91

Dibenzo(a,h)anthracene

Concen: 2.564 ng

RT: 29.387 min Scan# 4457

Delta R.T. -0.024 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Instrument :

BNA_G

ClientSampleId :

RB21127

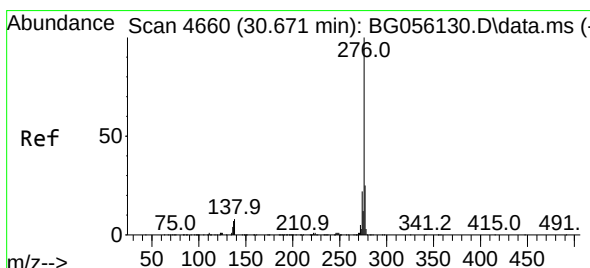
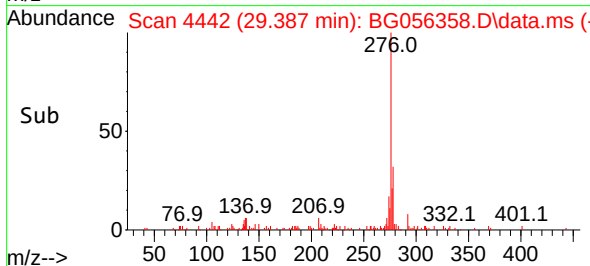
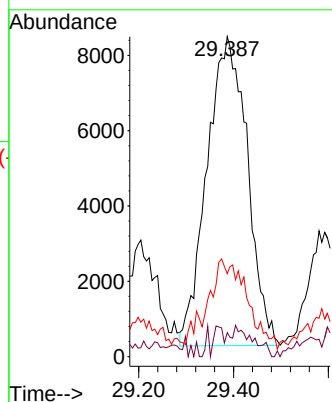
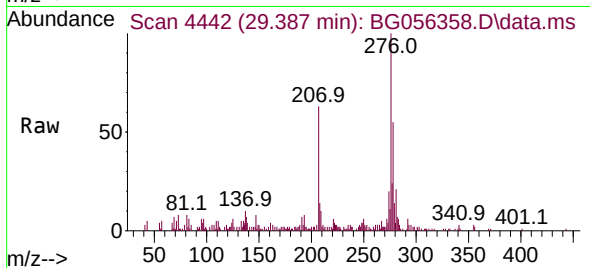
Tgt Ion:	278	Resp:	4859
Ion Ratio	Lower	Upper	
278	100		
139	7.5	4.8	7.2
279	25.9	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#92

Benzo(g,h,i)perylene

Concen: 9.536 ng

RT: 30.591 min Scan# 4647

Delta R.T. -0.006 min

Lab File: BG056358.D

Acq: 19 Jan 2023 22:33

Tgt Ion:	276	Resp:	175247
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.7	29.5
138	8.6	6.7	10.1

