

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
 Data File : BG056378.D
 Acq On : 20 Jan 2023 22:13
 Operator : CG/JU
 Sample : 01229-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OK-02-011923

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/23/2023
 Supervised By : Jagrut Upadhyay 01/23/2023

Quant Time: Jan 23 00:02:56 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	8.309	152	53794	20.000	ng	0.00
21) Naphthalene-d8	11.141	136	192598	20.000	ng	# 0.00
39) Acenaphthene-d10	14.925	164	134412	20.000	ng	0.00
64) Phenanthrene-d10	17.663	188	285250	20.000	ng	0.00
76) Chrysene-d12	21.964	240	261212	20.000	ng	# 0.00
86) Perylene-d12	25.424	264	153161	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.835	112	309779	102.820	ng	0.00
7) Phenol-d6	7.457	99	421177	91.029	ng	0.00
23) Nitrobenzene-d5	9.484	82	223109	59.255	ng	0.00
42) 2,4,6-Tribromophenol	16.405	330	164144	96.424	ng	0.00
45) 2-Fluorobiphenyl	13.550	172	596744	61.307	ng	0.00
79) Terphenyl-d14	20.236	244	813986	55.813	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.704	178	132585	8.969	ng	99
75) Fluoranthene	19.696	202	242262	12.564	ng	98
78) Pyrene	20.054	202	242225	13.156	ng	99
81) Benzo(a)anthracene	21.940	228	100540	5.480	ng	# 88
83) Chrysene	22.011	228	128128m	7.456	ng	
88) Benzo(b)fluoranthene	24.320	252	73811	7.585	ng	# 15
89) Benzo(k)fluoranthene	24.378	252	46725m	4.822	ng	
90) Benzo(a)pyrene	25.254	252	42532	4.481	ng	# 57

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

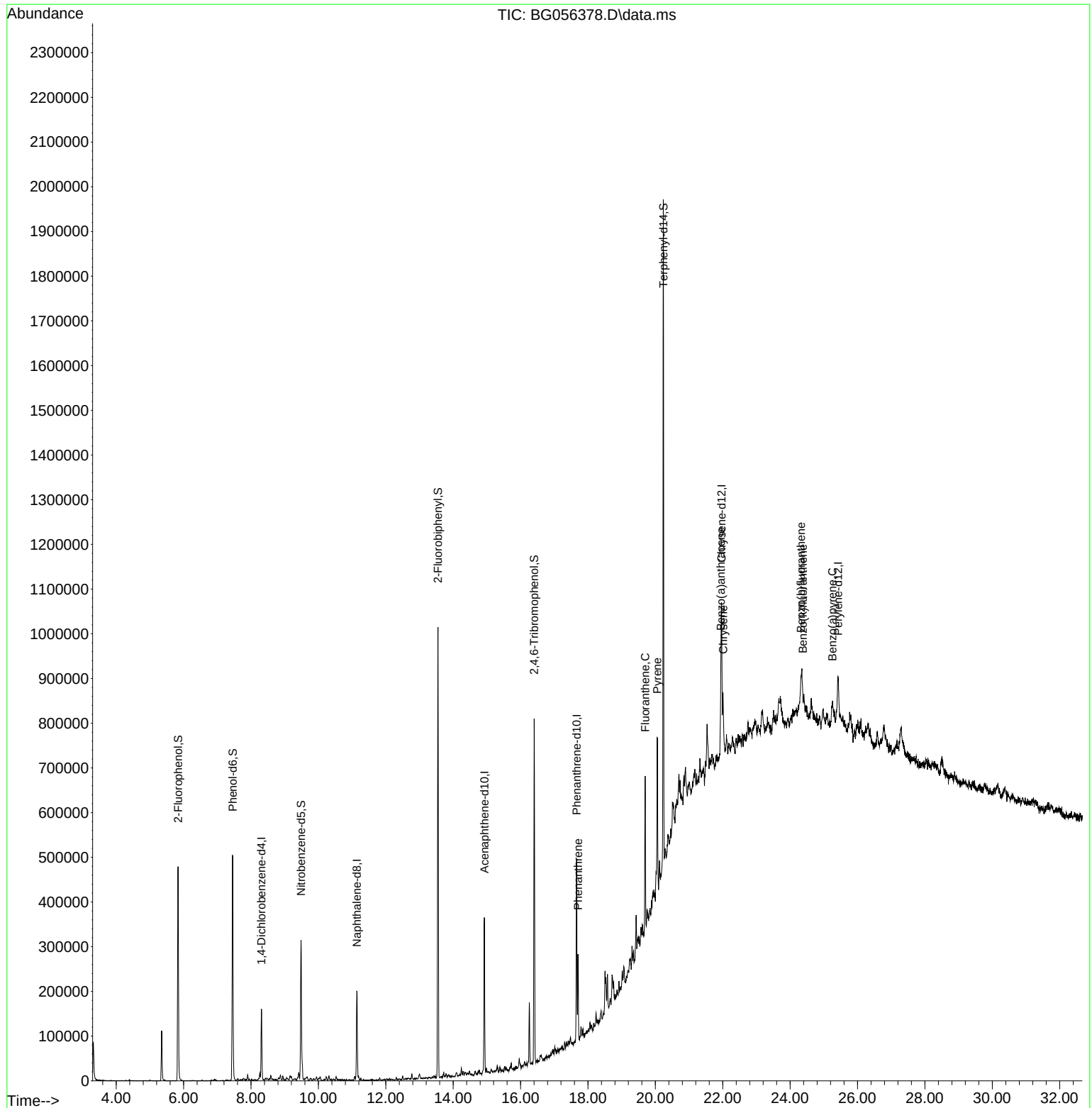
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056378.D
Acq On : 20 Jan 2023 22:13
Operator : CG/JU
Sample : 01229-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

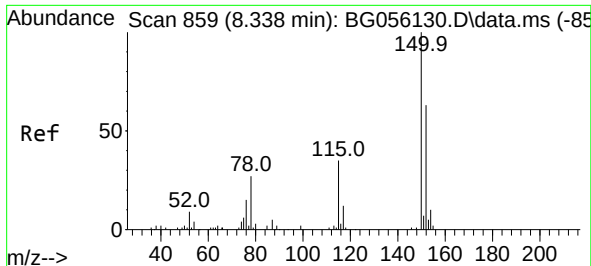
Instrument :
BNA_G
ClientSampleId :
OK-02-011923

Quant Time: Jan 23 00:02:56 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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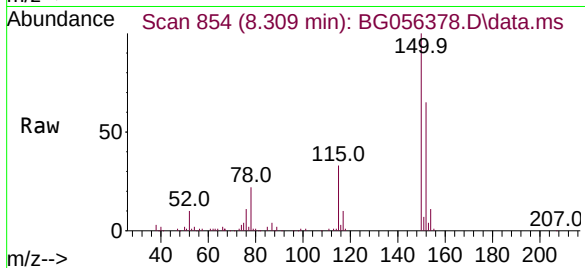
Reviewed By : Christian Giraldo 01/23/2023
Supervised By : Jagrut Upadhyay 01/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.309 min Scan# 859
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

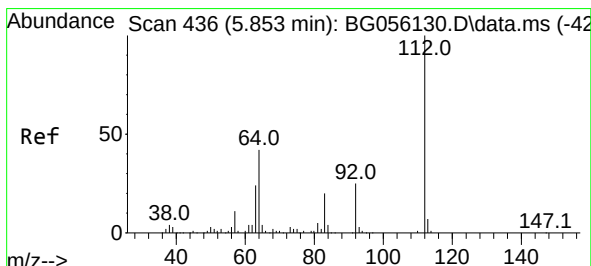
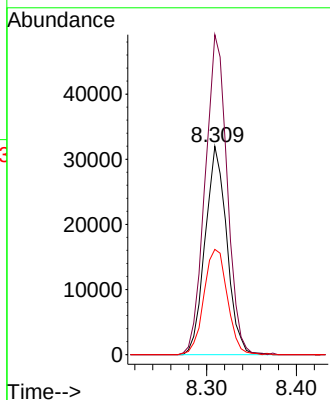
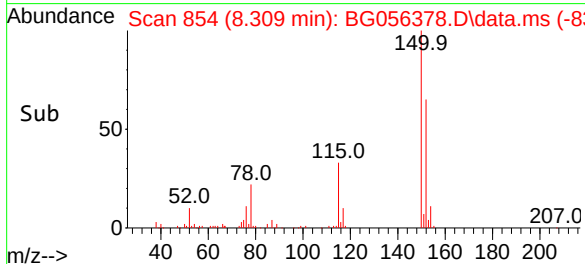
Instrument :
BNA_G
ClientSampleId :
OK-02-011923



Tgt Ion:152 Resp: 53794
Ion Ratio Lower Upper
152 100
150 153.7 127.9 191.9
115 50.6 44.2 66.2

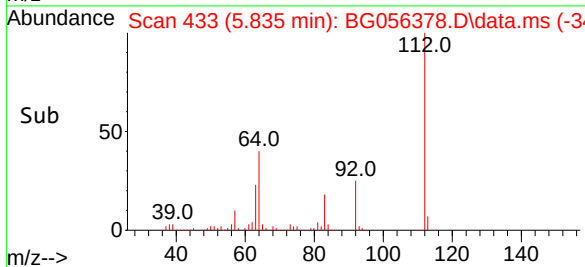
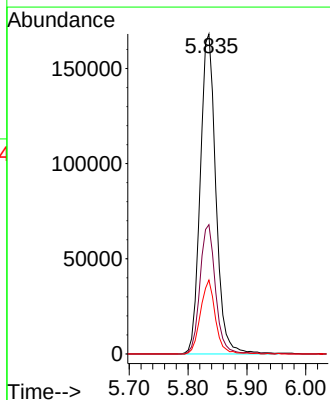
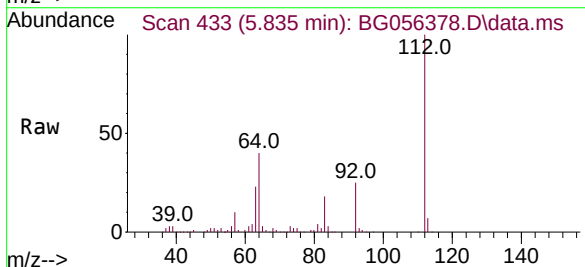
Manual Integrations
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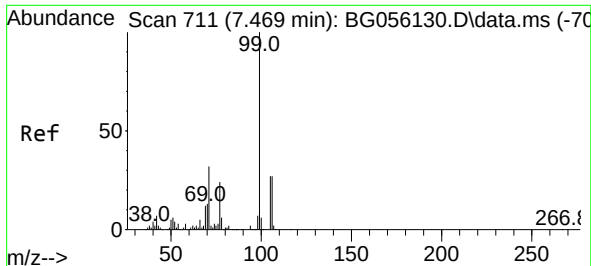
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#5
2-Fluorophenol
Concen: 102.820 ng
RT: 5.835 min Scan# 433
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

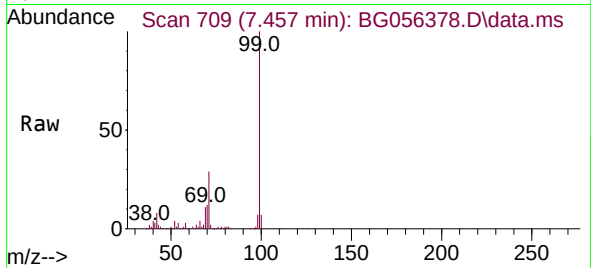
Tgt Ion:112 Resp: 309779
Ion Ratio Lower Upper
112 100
64 40.4 33.3 49.9
63 23.1 19.0 28.4





#7
Phenol-d6
Concen: 91.029 ng
RT: 7.457 min Scan# 709
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

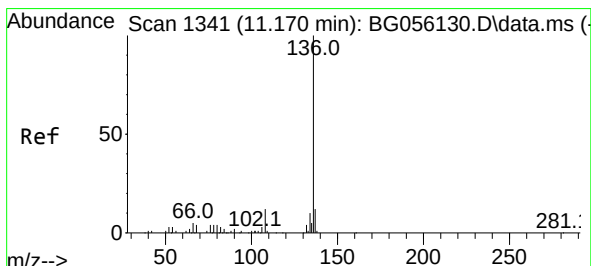
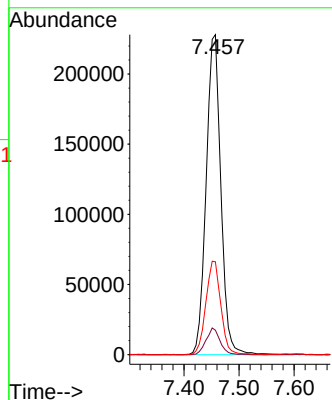
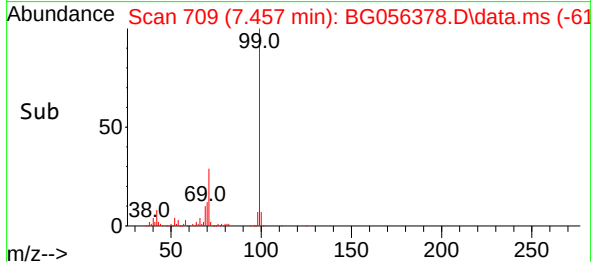
Instrument :
BNA_G
ClientSampleId :
OK-02-011923



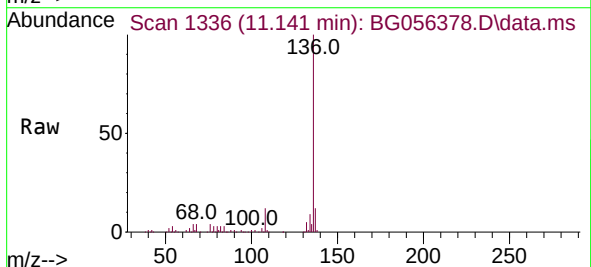
Tgt Ion: 99 Resp: 42117
Ion Ratio Lower Upper
99 100
42 7.6 5.9 8.9
71 29.0 25.4 38.2

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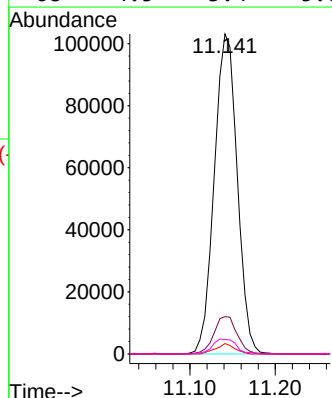
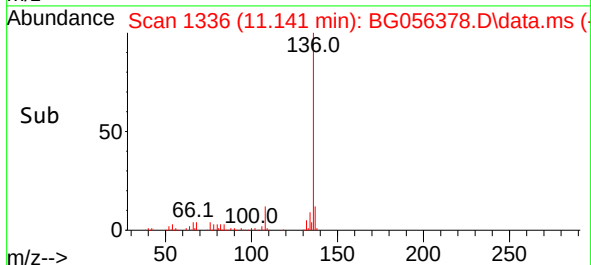
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

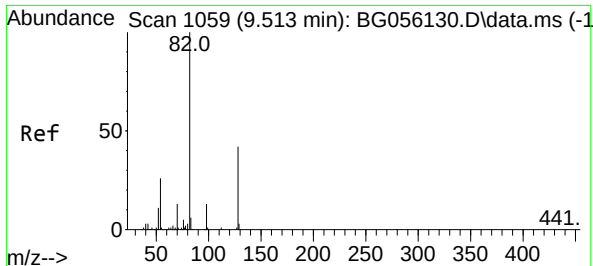


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.141 min Scan# 1336
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13



Tgt Ion:136 Resp: 192598
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.0
54 3.2 2.2 3.2#
68 4.5 3.4 5.0





#23

Nitrobenzene-d5

Concen: 59.255 ng

RT: 9.484 min Scan# 1059

Delta R.T. -0.003 min

Lab File: BG056378.D

Acq: 20 Jan 2023 22:13

Instrument :

BNA_G

ClientSampleId :

OK-02-011923

Tgt Ion: 82 Resp: 223109

Ion Ratio Lower Upper

82 100

128 47.5 33.4 50.2

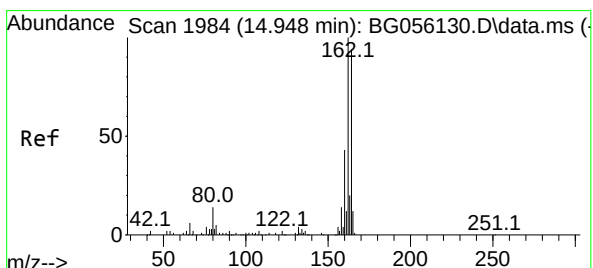
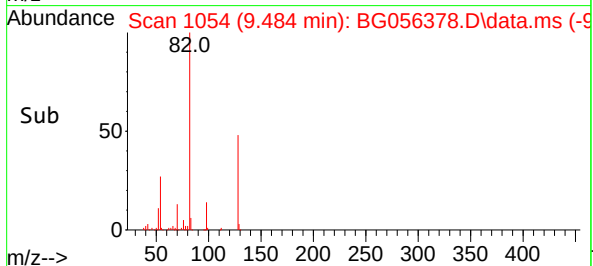
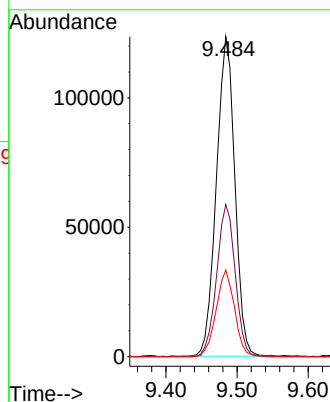
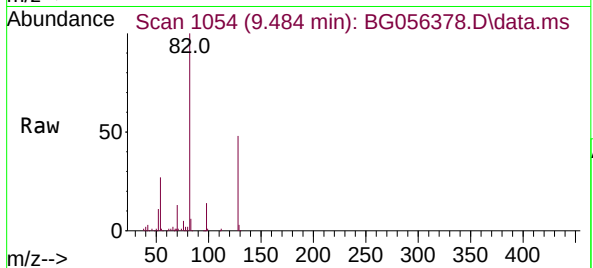
54 27.1 20.3 30.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.925 min Scan# 1980

Delta R.T. 0.003 min

Lab File: BG056378.D

Acq: 20 Jan 2023 22:13

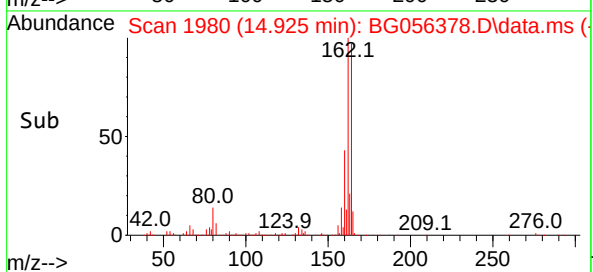
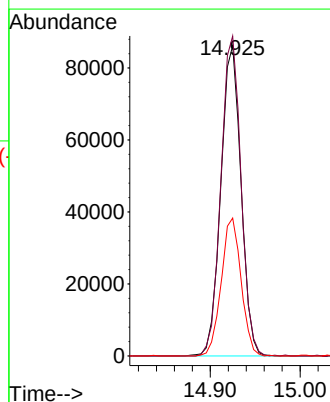
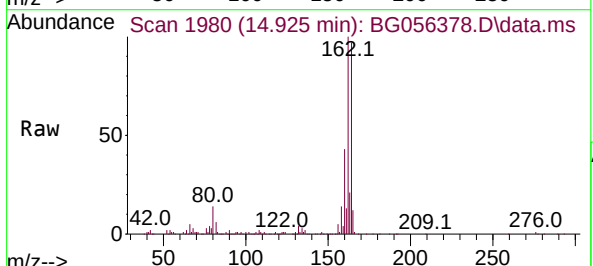
Tgt Ion:164 Resp: 134412

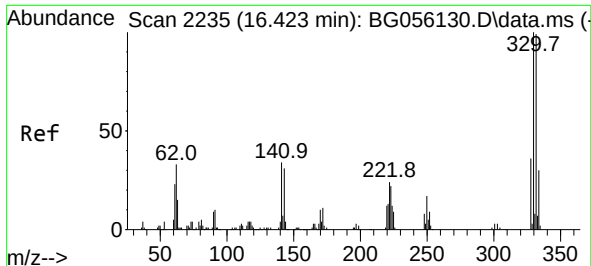
Ion Ratio Lower Upper

164 100

162 103.1 84.7 127.1

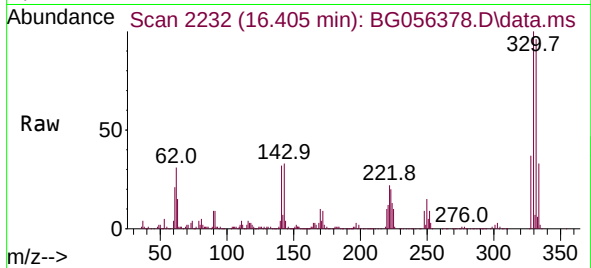
160 44.4 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 96.424 ng
RT: 16.405 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

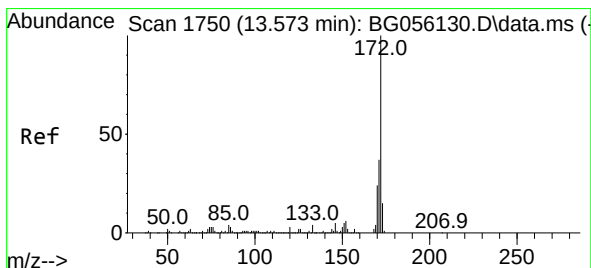
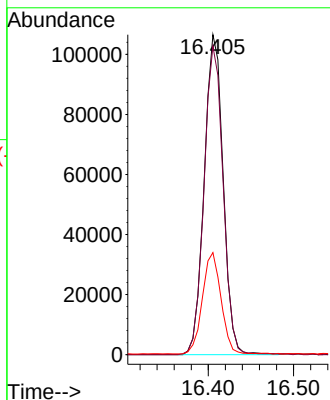
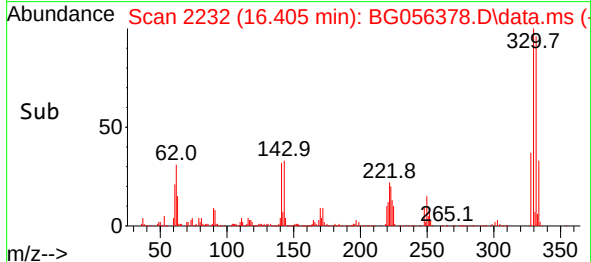
Instrument :
BNA_G
ClientSampleId :
OK-02-011923



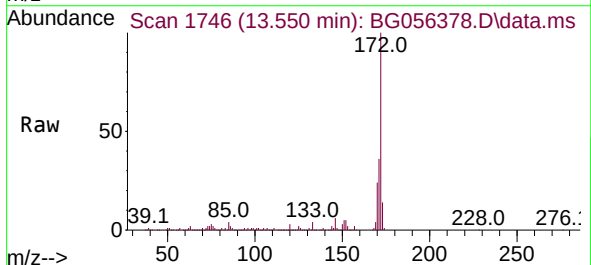
Tgt Ion:330 Resp: 164144
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 31.0 27.9 41.9

Manual Integrations
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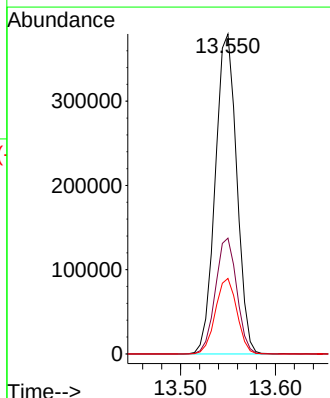
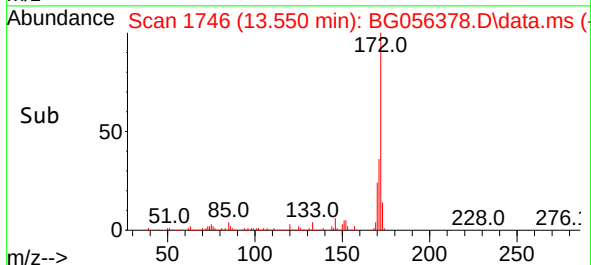
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

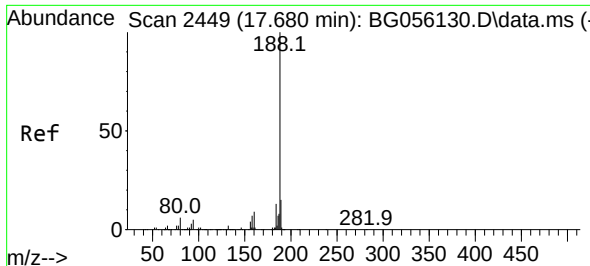


#45
2-Fluorobiphenyl
Concen: 61.307 ng
RT: 13.550 min Scan# 1746
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13



Tgt Ion:172 Resp: 596744
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.6 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.663 min Scan# 2446
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

Instrument :

BNA_G

ClientSampleId :

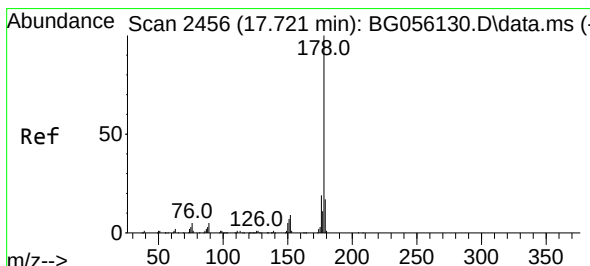
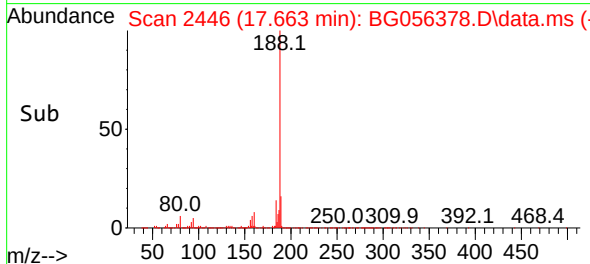
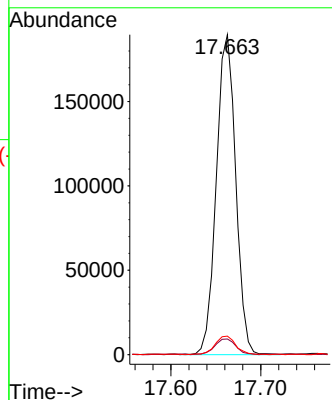
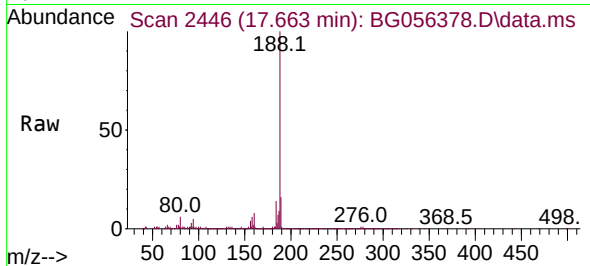
OK-02-011923

Tgt Ion:188 Resp: 285250
Ion Ratio Lower Upper
188 100
94 4.9 4.2 6.2
80 5.8 5.0 7.4

Manual Integrations

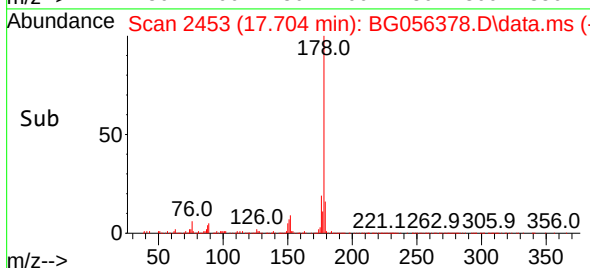
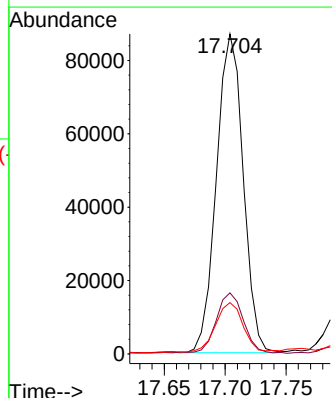
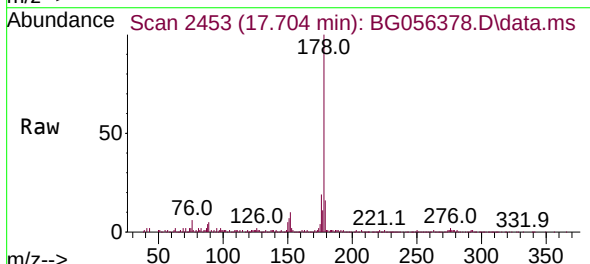
APPROVED

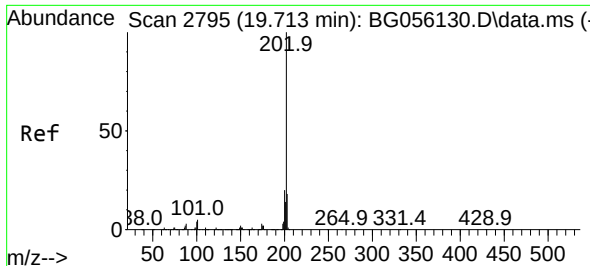
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#71
Phenanthrene
Concen: 8.969 ng
RT: 17.704 min Scan# 2453
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

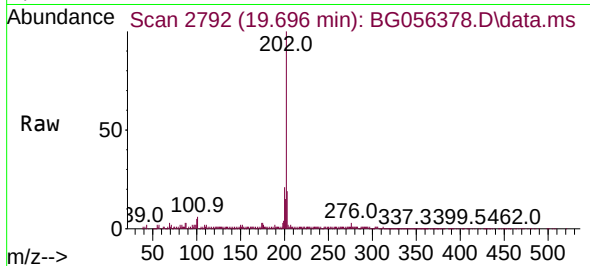
Tgt Ion:178 Resp: 132585
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.0 13.6 20.4





#75
Fluoranthene
Concen: 12.564 ng
RT: 19.696 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

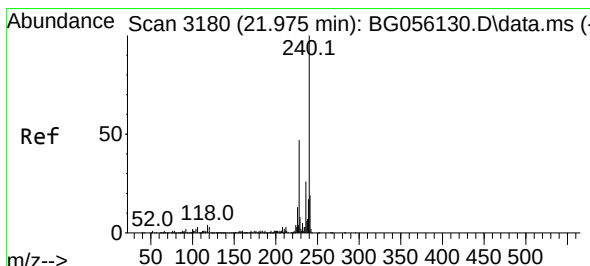
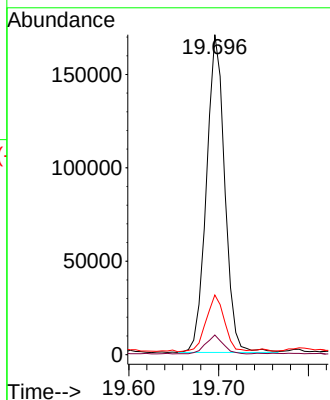
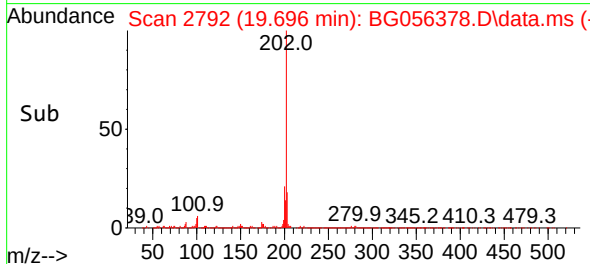
Instrument :
BNA_G
ClientSampleId :
OK-02-011923



Tgt Ion:202 Resp: 242262
Ion Ratio Lower Upper
202 100
101 6.1 0.0 25.0
203 18.6 0.0 38.0

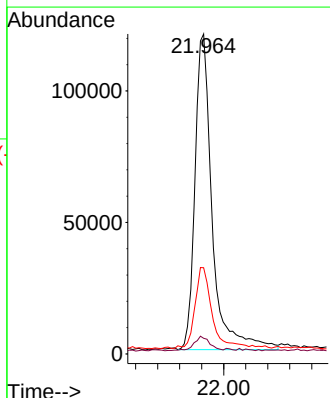
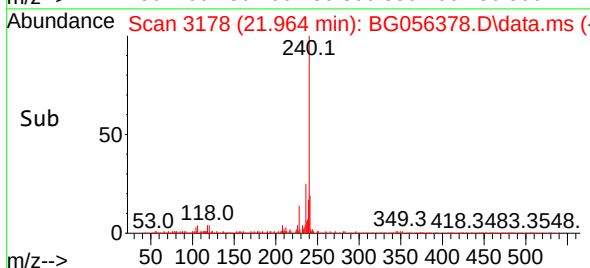
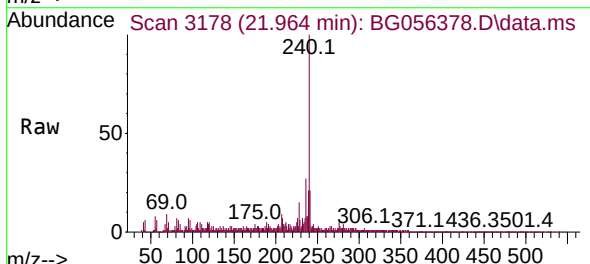
Manual Integrations
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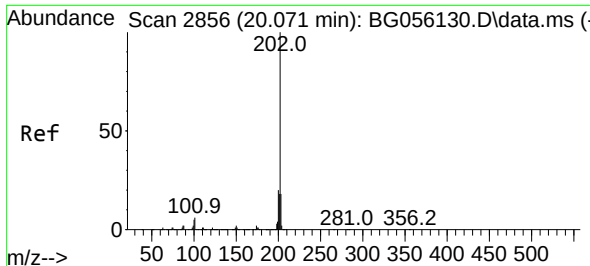
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.964 min Scan# 3178
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

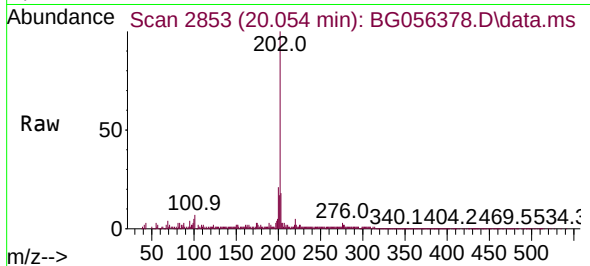
Tgt Ion:240 Resp: 261212
Ion Ratio Lower Upper
240 100
120 4.9 2.6 4.0#
236 26.9 20.8 31.2





#78
Pyrene
Concen: 13.156 ng
RT: 20.054 min Scan# 2853
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

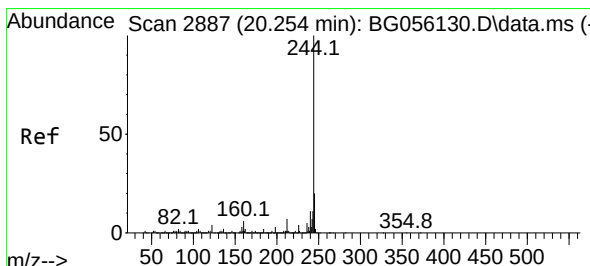
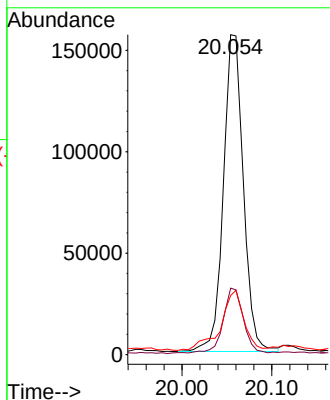
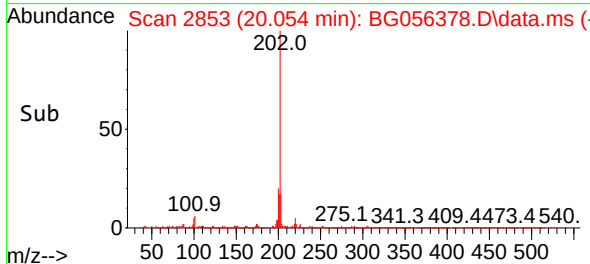
Instrument :
BNA_G
ClientSampleId :
OK-02-011923



Tgt Ion:202 Resp: 242225
Ion Ratio Lower Upper
202 100
200 20.8 16.4 24.6
203 18.5 14.3 21.5

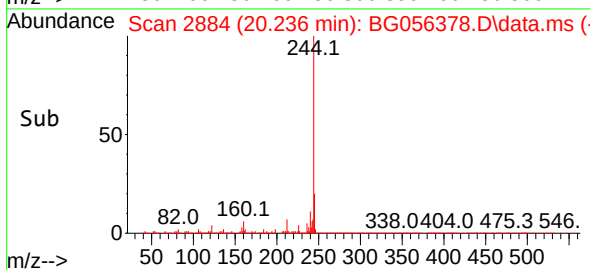
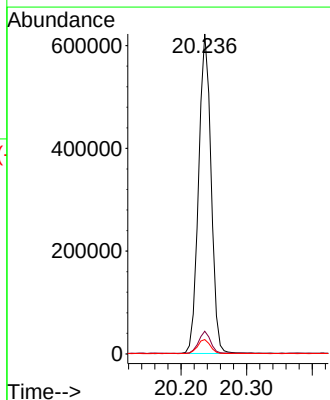
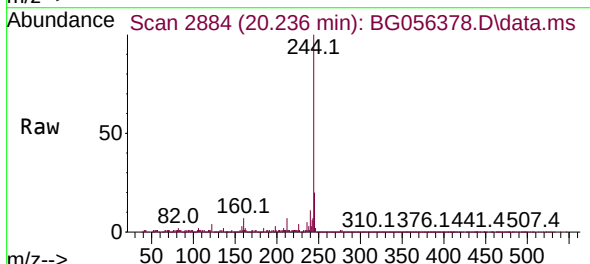
Manual Integrations
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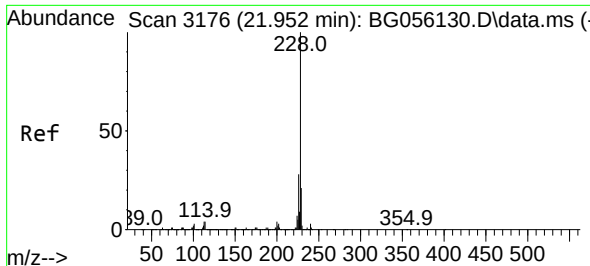
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#79
Terphenyl-d14
Concen: 55.813 ng
RT: 20.236 min Scan# 2884
Delta R.T. 0.003 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

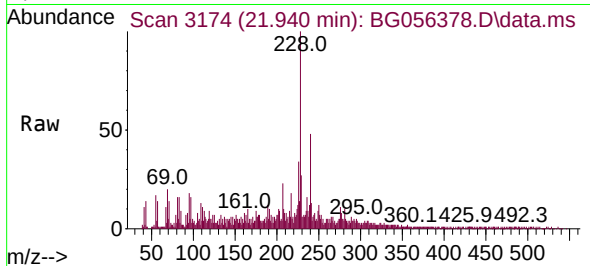
Tgt Ion:244 Resp: 813986
Ion Ratio Lower Upper
244 100
212 7.1 5.7 8.5
122 4.5 3.5 5.3





#81
Benzo(a)anthracene
Concen: 5.480 ng
RT: 21.940 min Scan# 3176
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

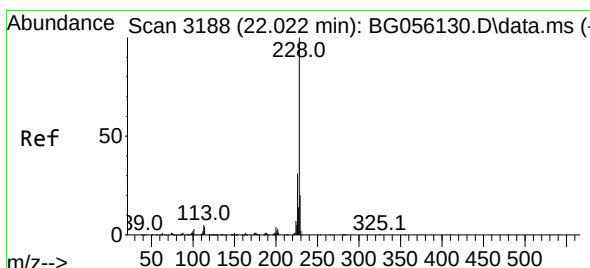
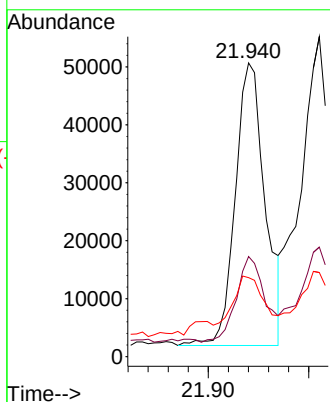
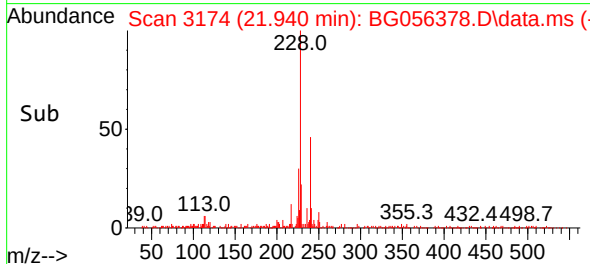
Instrument :
BNA_G
ClientSampleId :
OK-02-011923



Tgt Ion:228 Resp: 100540
Ion Ratio Lower Upper
228 100
226 34.1 22.6 34.0
229 26.9 16.9 25.3

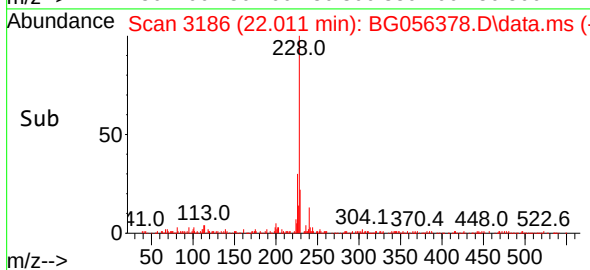
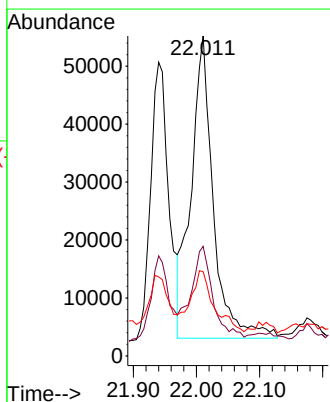
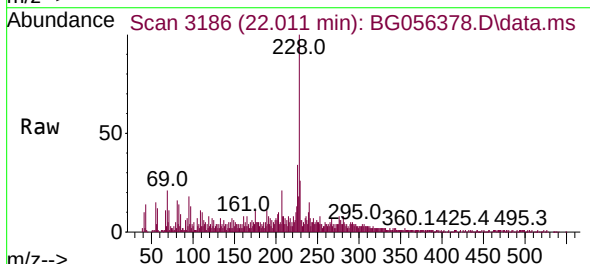
Manual Integrations
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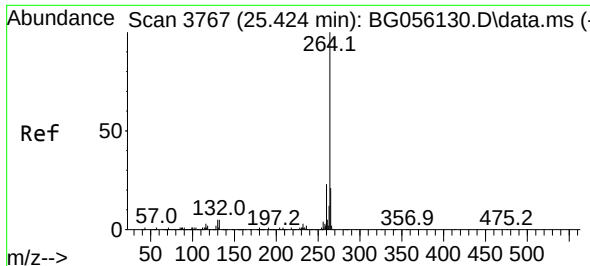
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#83
Chrysene
Concen: 7.456 ng m
RT: 22.011 min Scan# 3186
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

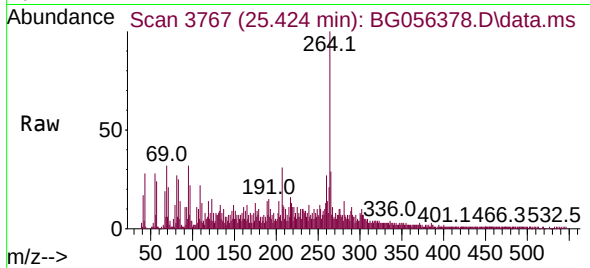
Tgt Ion:228 Resp: 128128
Ion Ratio Lower Upper
228 100
226 34.2 24.6 36.8
229 26.3 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.424 min Scan# 31
 Delta R.T. 0.032 min
 Lab File: BG056378.D
 Acq: 20 Jan 2023 22:13

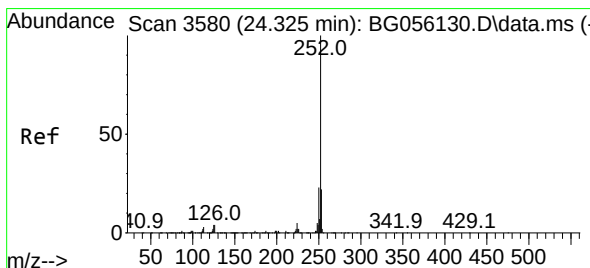
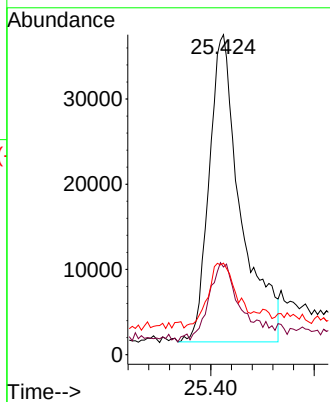
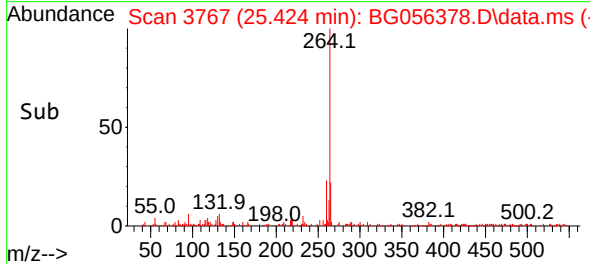
Instrument :
 BNA_G
 ClientSampleId :
 OK-02-011923



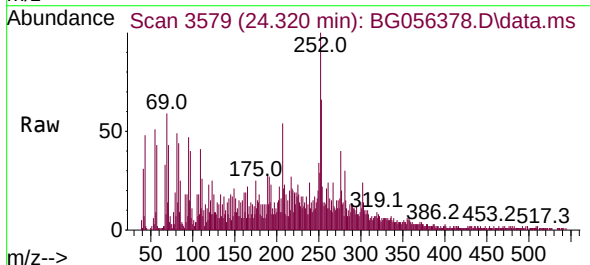
Tgt Ion:264 Resp: 15316
 Ion Ratio Lower Upper
 264 100
 260 27.4 18.6 28.0
 265 28.6 16.7 25.1

Manual Integrations
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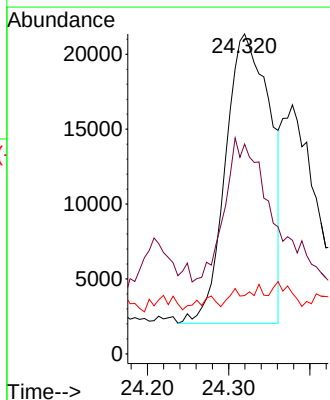
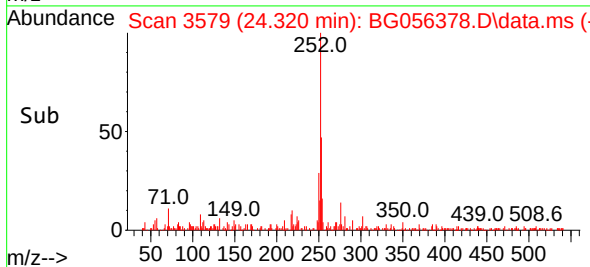
Reviewed By :Christian Giraldo 01/23/2023
 Supervised By :Jagrut Upadhyay 01/23/2023

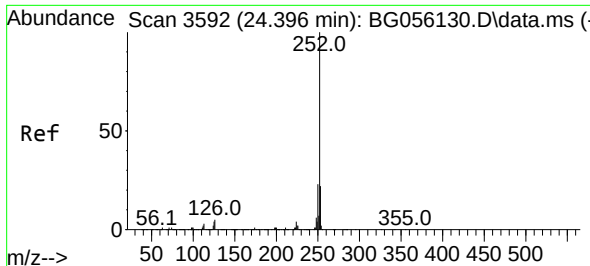


#88
 Benzo(b)fluoranthene
 Concen: 7.585 ng
 RT: 24.320 min Scan# 3579
 Delta R.T. 0.027 min
 Lab File: BG056378.D
 Acq: 20 Jan 2023 22:13



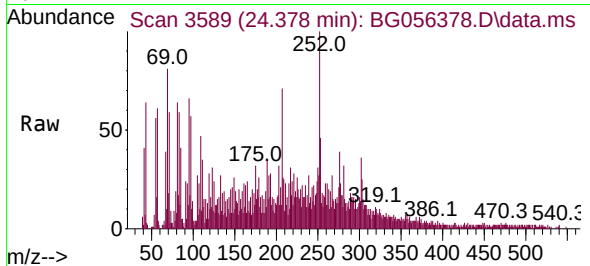
Tgt Ion:252 Resp: 73811
 Ion Ratio Lower Upper
 252 100
 253 65.6 17.4 26.2#
 125 18.2 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 4.822 ng m
RT: 24.378 min Scan# 3592
Delta R.T. 0.009 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13

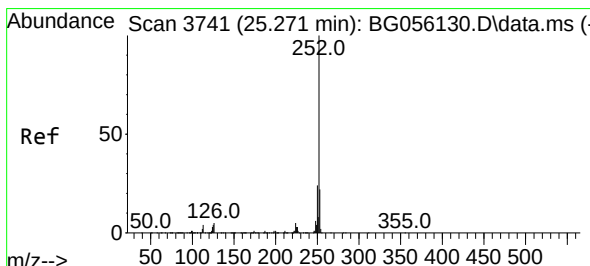
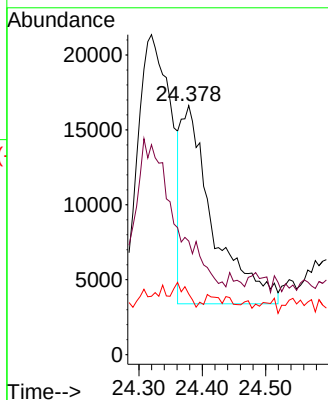
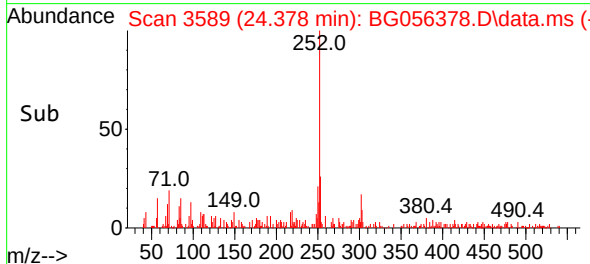
Instrument :
BNA_G
ClientSampleId :
OK-02-011923



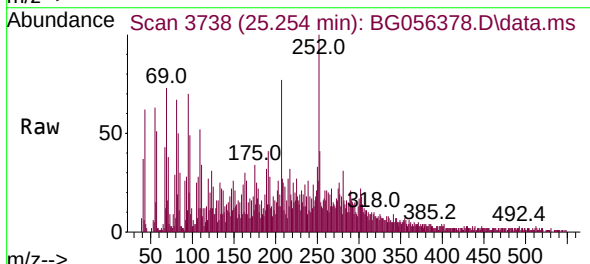
Tgt Ion:252 Resp: 46725
Ion Ratio Lower Upper
252 100
253 45.6 17.5 26.3#
125 24.3 3.4 5.0#

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#90
Benzo(a)pyrene
Concen: 4.481 ng
RT: 25.254 min Scan# 3738
Delta R.T. 0.027 min
Lab File: BG056378.D
Acq: 20 Jan 2023 22:13



Tgt Ion:252 Resp: 42532
Ion Ratio Lower Upper
252 100
253 41.3 17.4 26.2#
125 22.8 3.2 4.8#

