

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
 Data File : BG056376.D
 Acq On : 20 Jan 2023 20:51
 Operator : CG/JU
 Sample : 01240-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-05-011923

Quant Time: Jan 23 00:02:17 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.307	152	52612	20.000	ng	0.00
21) Naphthalene-d8	11.139	136	189073	20.000	ng	# 0.00
39) Acenaphthene-d10	14.917	164	127524	20.000	ng	0.00
64) Phenanthrene-d10	17.655	188	292565	20.000	ng	0.00
76) Chrysene-d12	21.956	240	283360	20.000	ng	0.00
86) Perylene-d12	25.399	264	253790	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	277585	94.204	ng	0.00
7) Phenol-d6	7.449	99	381878	84.389	ng	0.00
23) Nitrobenzene-d5	9.476	82	205761	55.666	ng	-0.01
42) 2,4,6-Tribromophenol	16.397	330	145710	90.219	ng	0.00
45) 2-Fluorobiphenyl	13.542	172	545106	59.027	ng	0.00
79) Terphenyl-d14	20.240	244	770097	48.676	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.696	178	55539	3.663	ng	99
75) Fluoranthene	19.694	202	127641	6.454	ng	97
78) Pyrene	20.058	202	150246	7.523	ng	99
81) Benzo(a)anthracene	21.932	228	84645	4.253	ng	95
83) Chrysene	22.003	228	90718	4.866	ng	# 92
88) Benzo(b)fluoranthene	24.300	252	96127	5.961	ng	# 77
89) Benzo(k)fluoranthene	24.365	252	48590m	3.026	ng	
90) Benzo(a)pyrene	25.234	252	77722	4.942	ng	# 85

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

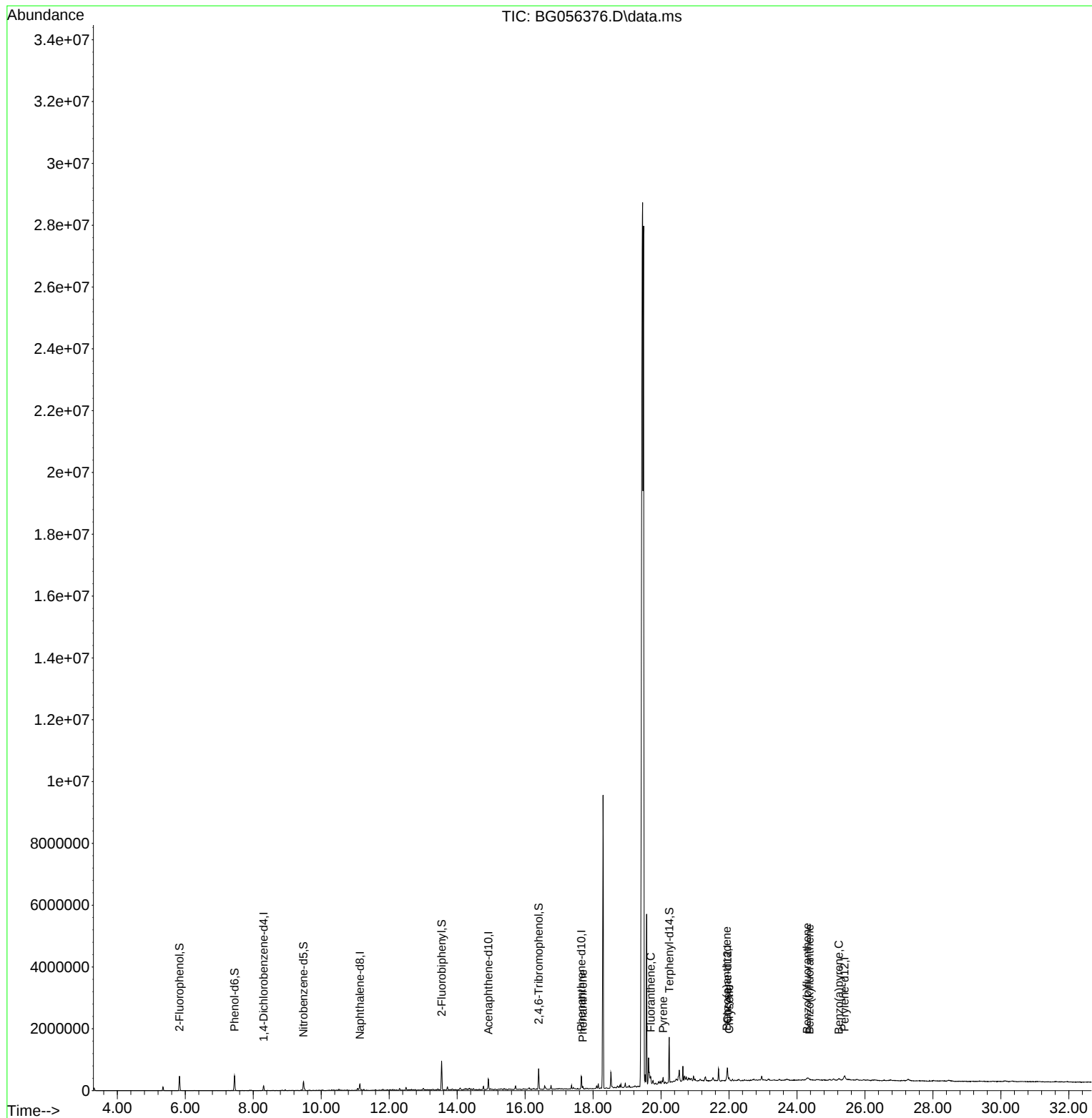
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012023\
Data File : BG056376.D
Acq On : 20 Jan 2023 20:51
Operator : CG/JU
Sample : 01240-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

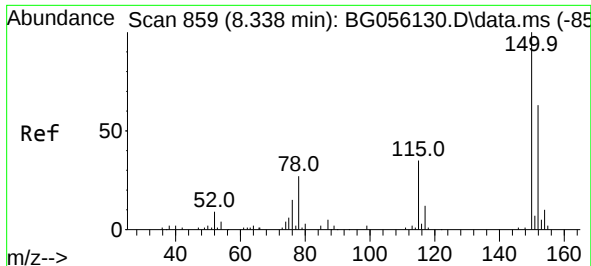
Instrument :
BNA_G
ClientSampleId :
TR-05-011923

Quant Time: Jan 23 00:02:17 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

Manual Integrations
APPROVED

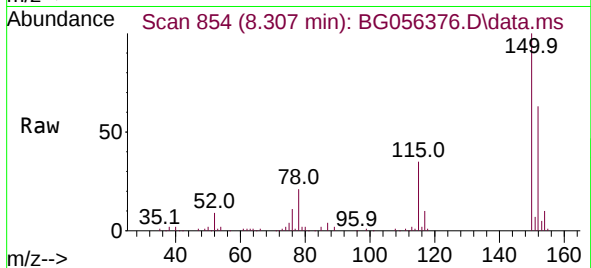
Reviewed By : Christian Giraldo 01/23/2023
Supervised By : Jagrut Upadhyay 01/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.307 min Scan# 859
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

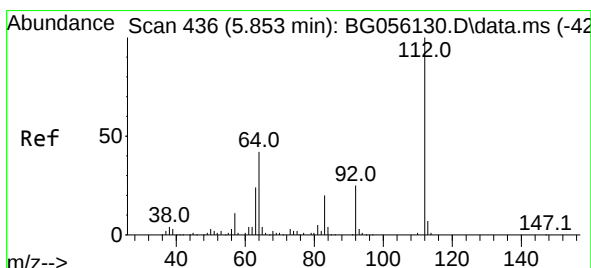
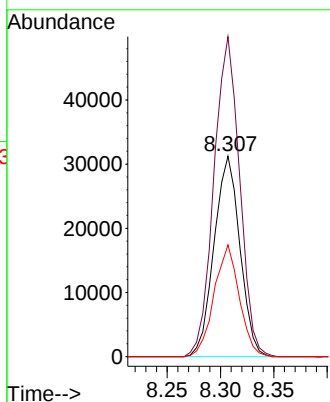
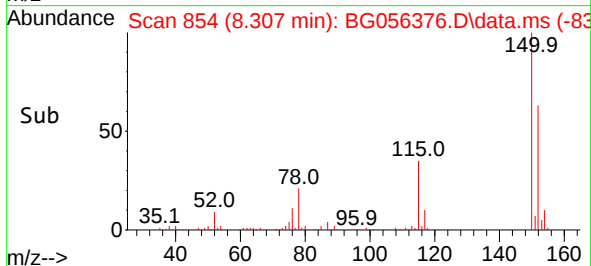
Instrument :
BNA_G
ClientSampleId :
TR-05-011923



Tgt Ion:152 Resp: 52612
Ion Ratio Lower Upper
152 100
150 159.7 127.9 191.9
115 55.8 44.2 66.2

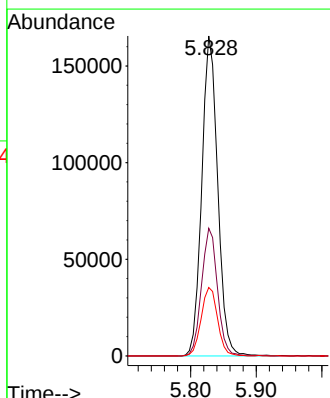
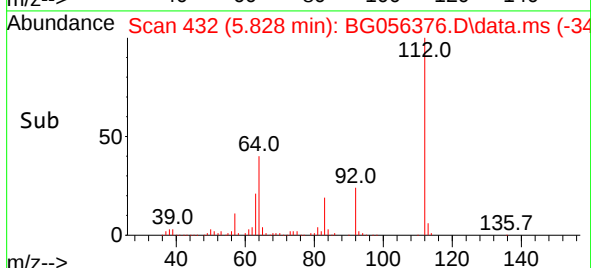
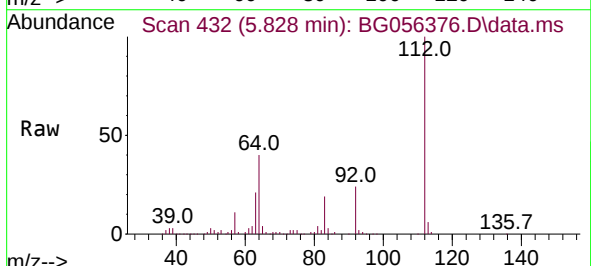
Manual Integrations
APPROVED

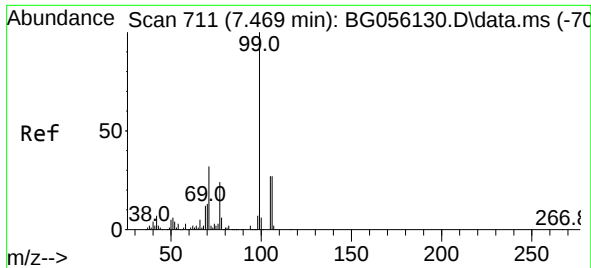
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#5
2-Fluorophenol
Concen: 94.204 ng
RT: 5.828 min Scan# 432
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

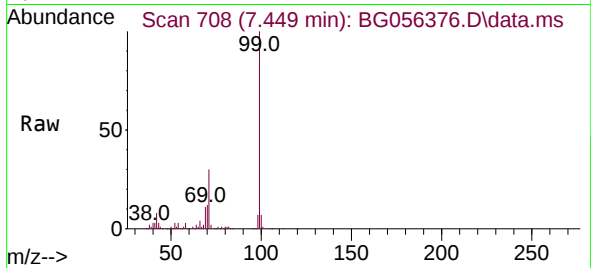
Tgt Ion:112 Resp: 277585
Ion Ratio Lower Upper
112 100
64 39.9 33.3 49.9
63 21.4 19.0 28.4





#7
Phenol-d6
Concen: 84.389 ng
RT: 7.449 min Scan# 70
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

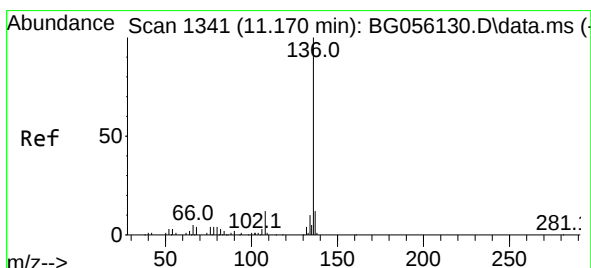
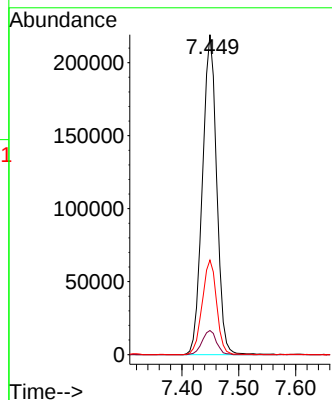
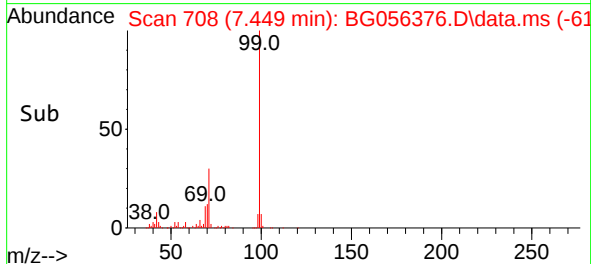
Instrument :
BNA_G
ClientSampleId :
TR-05-011923



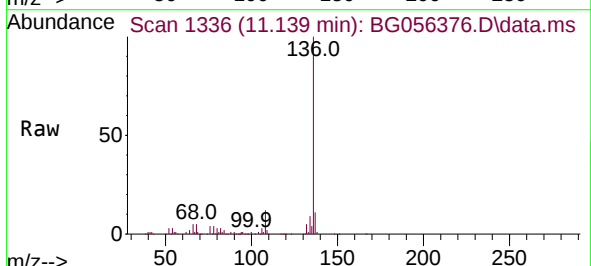
Tgt Ion: 99 Resp: 381878
Ion Ratio Lower Upper
99 100
42 7.5 5.9 8.9
71 29.5 25.4 38.2

Manual Integrations
APPROVED

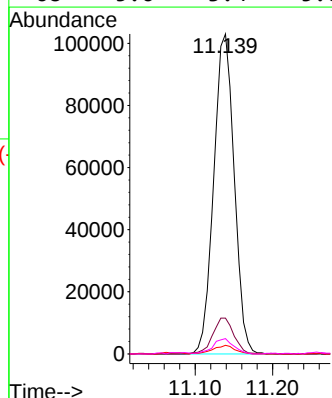
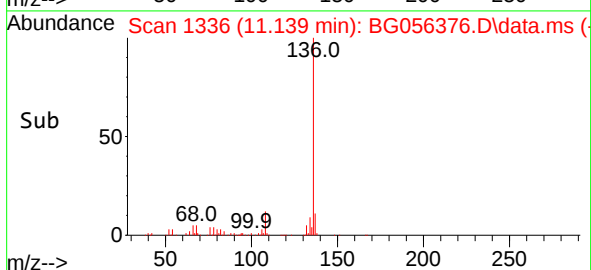
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.139 min Scan# 1336
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51



Tgt Ion:136 Resp: 189073
Ion Ratio Lower Upper
136 100
137 11.2 9.4 14.0
54 2.7 2.2 3.2
68 5.6 3.4 5.0#





#23

Nitrobenzene-d5

Concen: 55.666 ng

RT: 9.476 min Scan# 1053

Delta R.T. -0.011 min

Lab File: BG056376.D

Acq: 20 Jan 2023 20:51

Instrument :

BNA_G

ClientSampleId :

TR-05-011923

Tgt Ion: 82 Resp: 20576

Ion Ratio Lower Upper

82 100

128 44.0 33.4 50.2

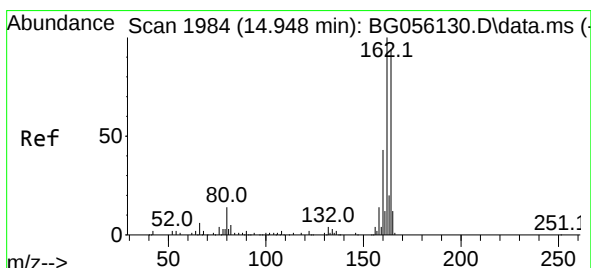
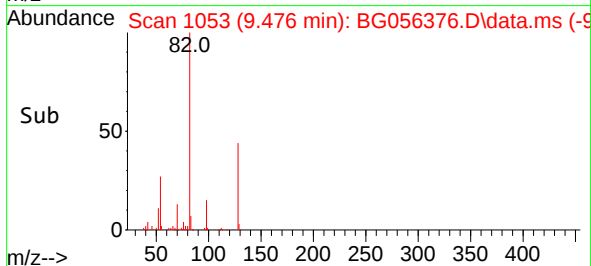
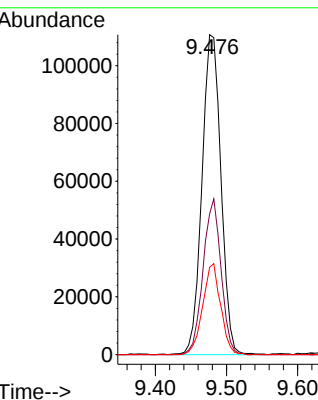
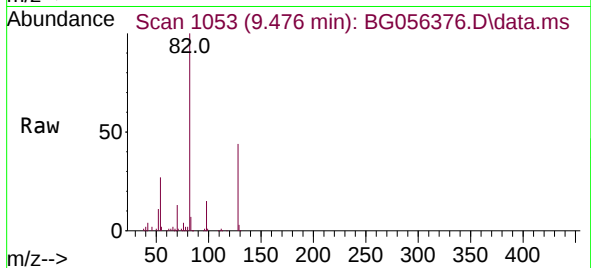
54 27.3 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/23/2023

Supervised By :Jagrut Upadhyay 01/23/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.917 min Scan# 1979

Delta R.T. -0.005 min

Lab File: BG056376.D

Acq: 20 Jan 2023 20:51

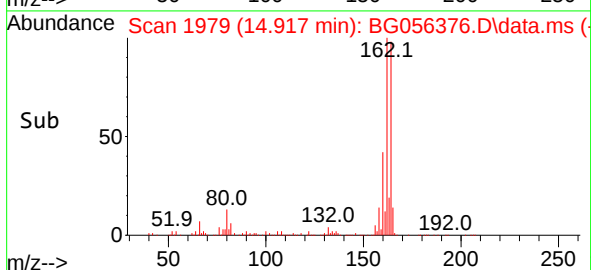
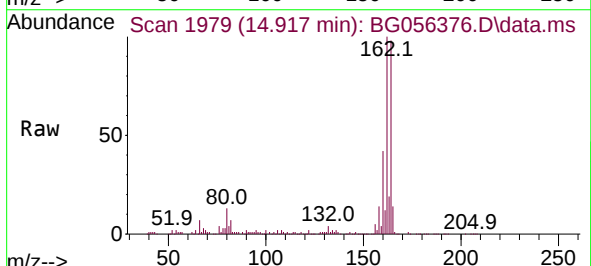
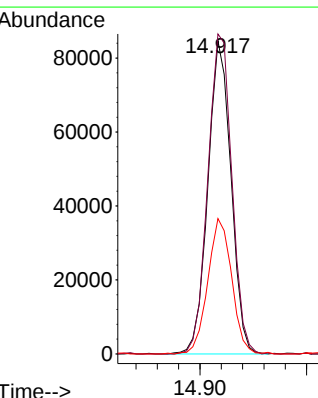
Tgt Ion:164 Resp: 127524

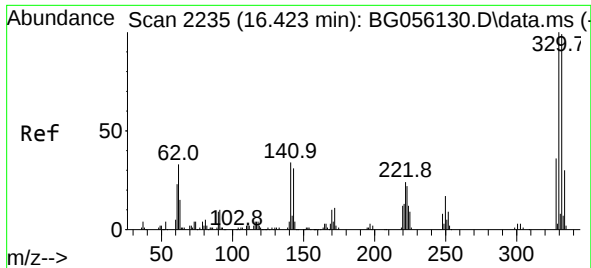
Ion Ratio Lower Upper

164 100

162 102.3 84.7 127.1

160 43.2 36.3 54.5





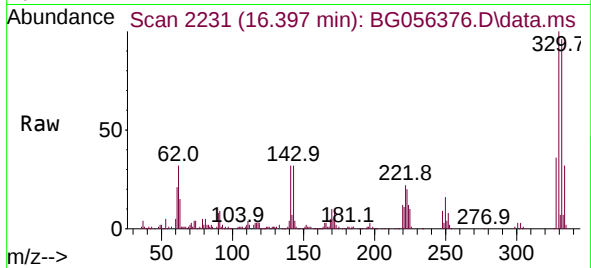
#42
2,4,6-Tribromophenol
Concen: 90.219 ng
RT: 16.397 min Scan# 2235
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Instrument :

BNA_G

ClientSampleId :

TR-05-011923

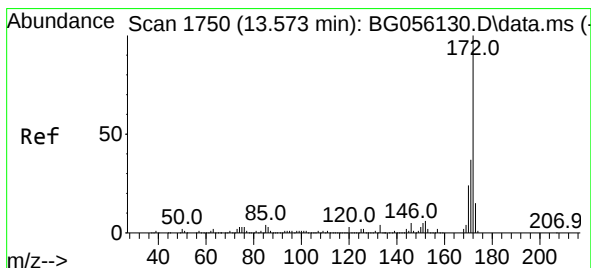
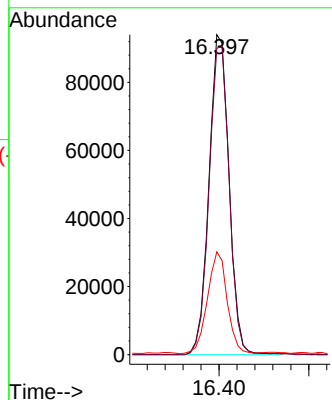
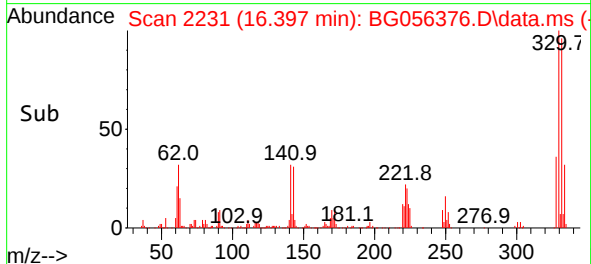


Tgt Ion:330 Resp: 145710
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 31.4 27.9 41.9

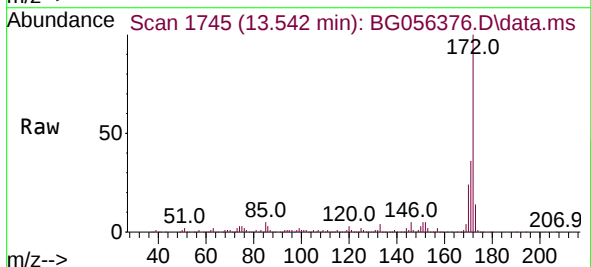
Manual Integrations

APPROVED

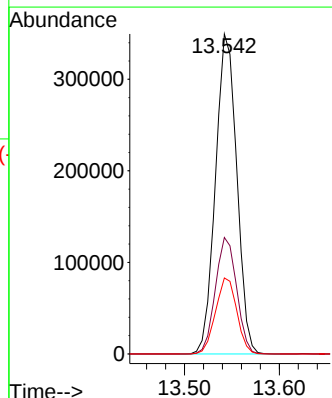
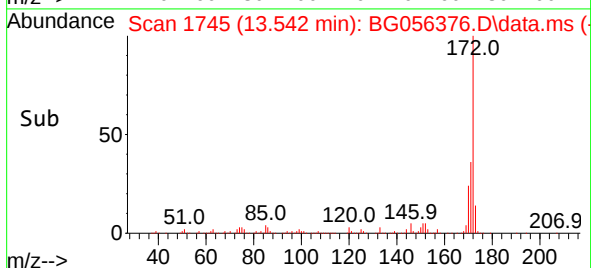
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

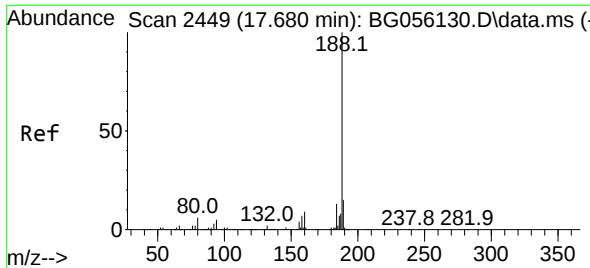


#45
2-Fluorobiphenyl
Concen: 59.027 ng
RT: 13.542 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51



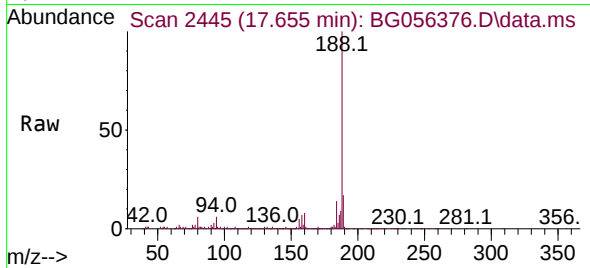
Tgt Ion:172 Resp: 545106
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.655 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

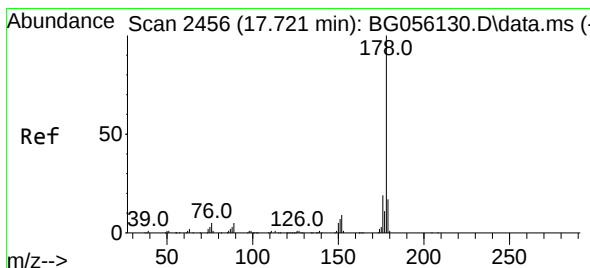
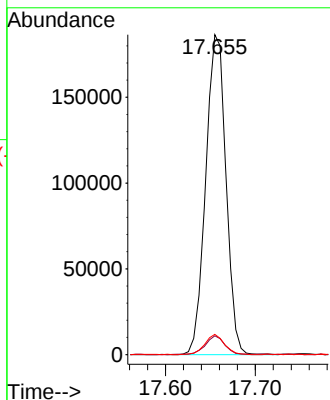
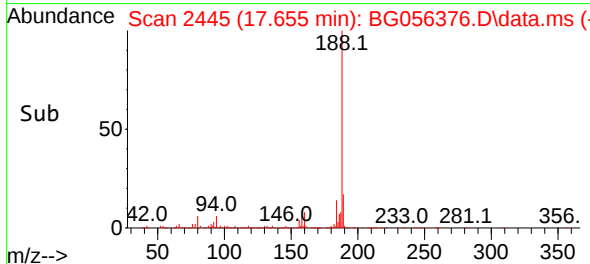
Instrument :
BNA_G
ClientSampleId :
TR-05-011923



Tgt Ion:188 Resp: 292565
Ion Ratio Lower Upper
188 100
94 5.9 4.2 6.2
80 6.3 5.0 7.4

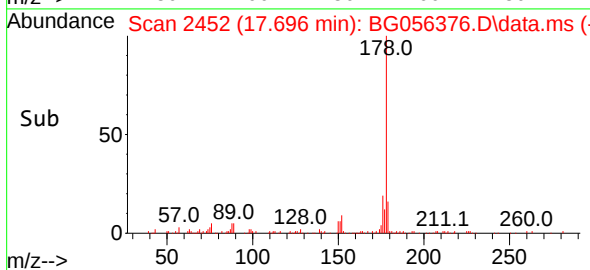
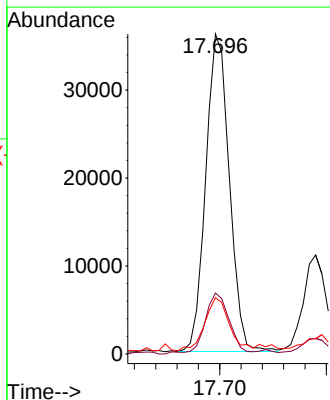
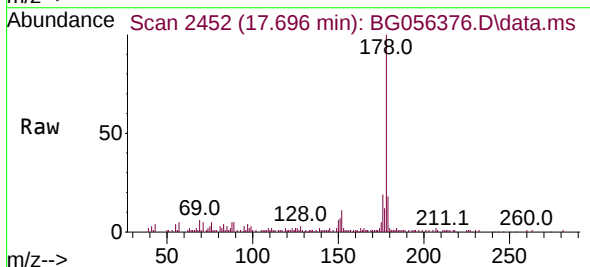
Manual Integrations
APPROVED

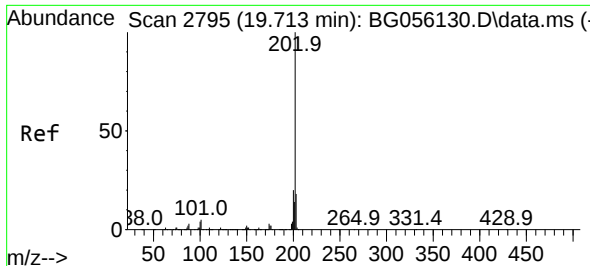
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#71
Phenanthrene
Concen: 3.663 ng
RT: 17.696 min Scan# 2452
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

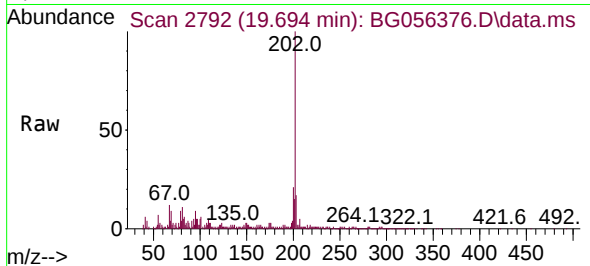
Tgt Ion:178 Resp: 55539
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 17.6 13.6 20.4





#75
Fluoranthene
Concen: 6.454 ng
RT: 19.694 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

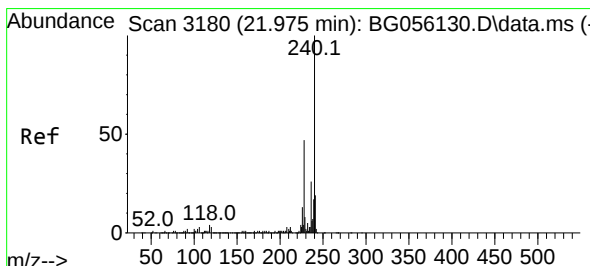
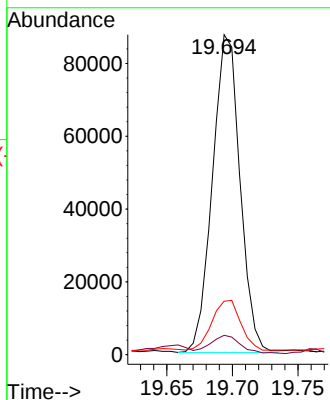
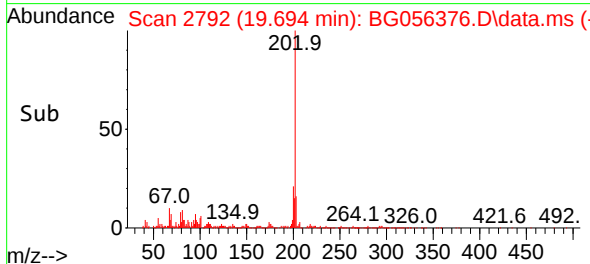
Instrument :
BNA_G
ClientSampleId :
TR-05-011923



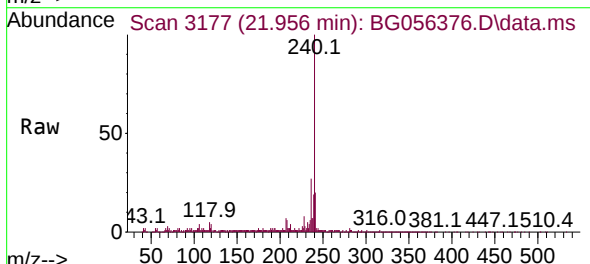
Tgt Ion:202 Resp: 12764
Ion Ratio Lower Upper
202 100
101 6.0 0.0 25.0
203 16.7 0.0 38.0

Manual Integrations
APPROVED

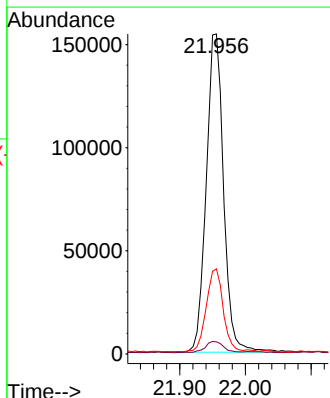
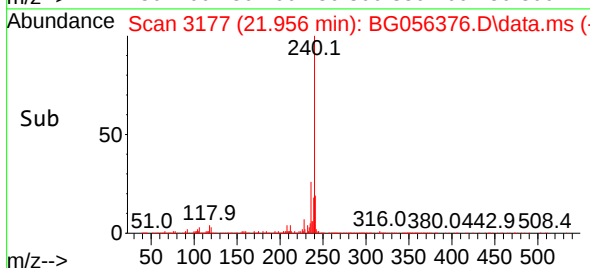
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023

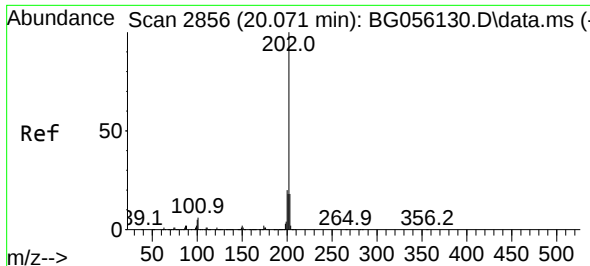


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.956 min Scan# 3177
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51



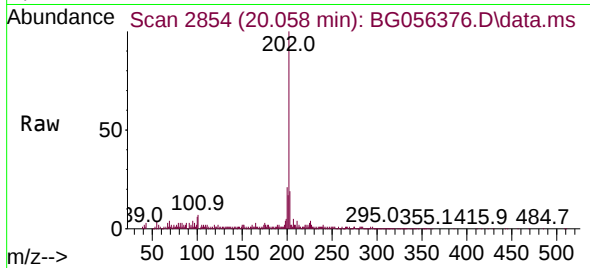
Tgt Ion:240 Resp: 283360
Ion Ratio Lower Upper
240 100
120 3.8 2.6 4.0
236 26.6 20.8 31.2





#78
 Pyrene
 Concen: 7.523 ng
 RT: 20.058 min Scan# 2854
 Delta R.T. 0.007 min
 Lab File: BG056376.D
 Acq: 20 Jan 2023 20:51

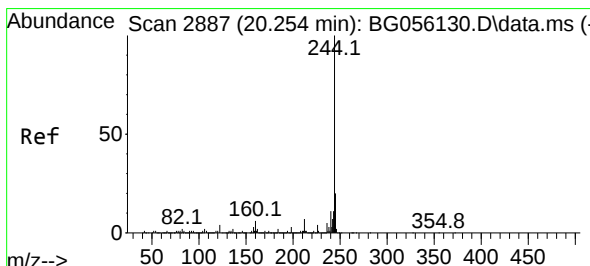
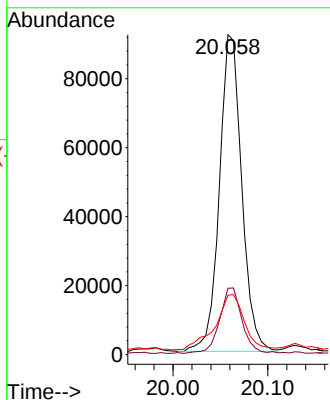
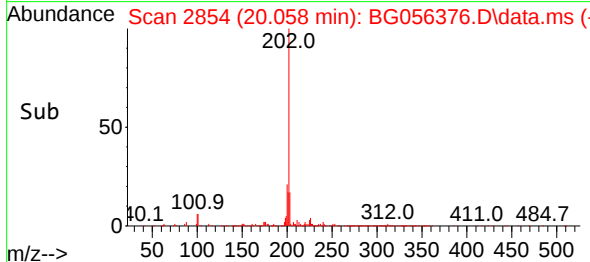
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-011923



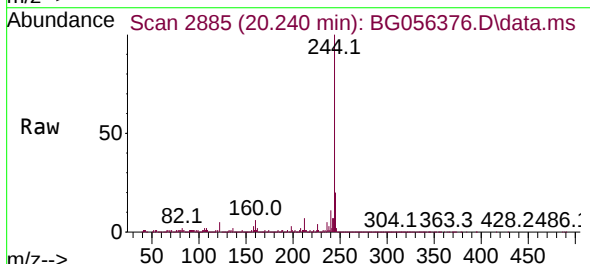
Tgt Ion:202 Resp: 150246
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.4 24.6
 203 18.6 14.3 21.5

Manual Integrations
 APPROVED

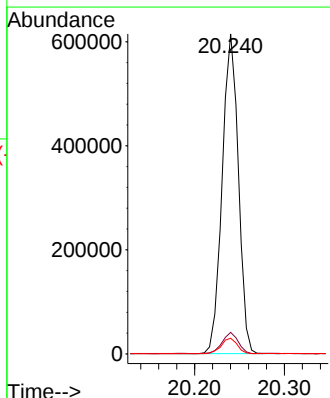
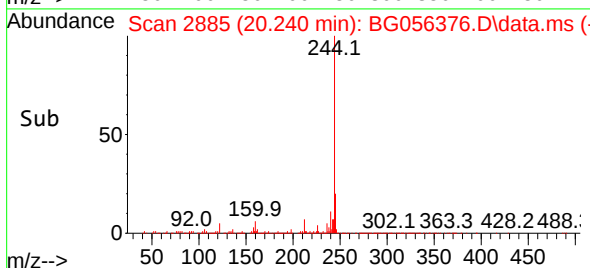
Reviewed By :Christian Giraldo 01/23/2023
 Supervised By :Jagrut Upadhyay 01/23/2023

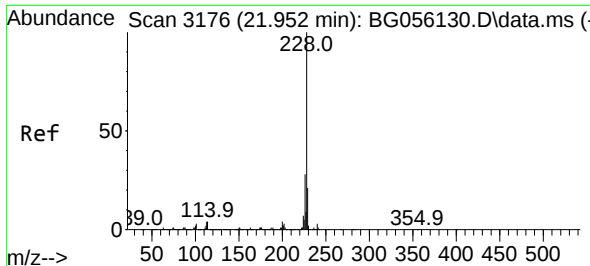


#79
 Terphenyl-d14
 Concen: 48.676 ng
 RT: 20.240 min Scan# 2885
 Delta R.T. 0.007 min
 Lab File: BG056376.D
 Acq: 20 Jan 2023 20:51



Tgt Ion:244 Resp: 770097
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 4.9 3.5 5.3





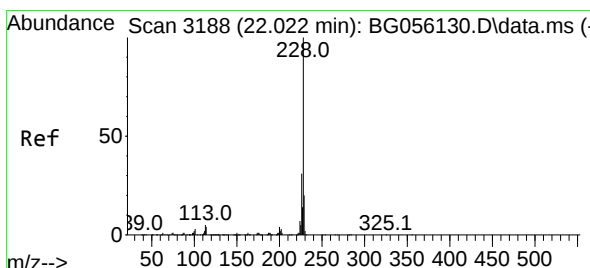
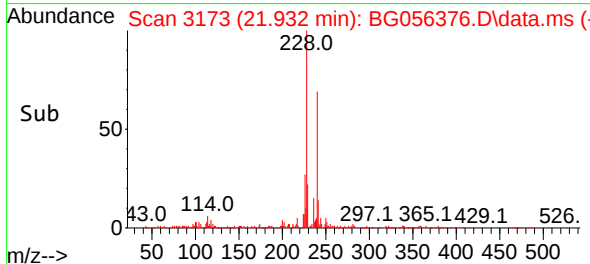
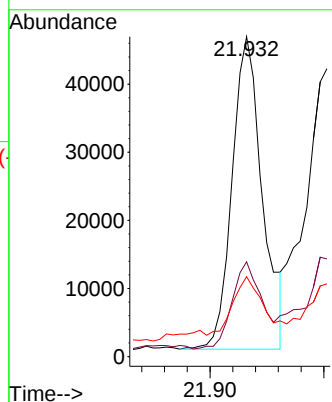
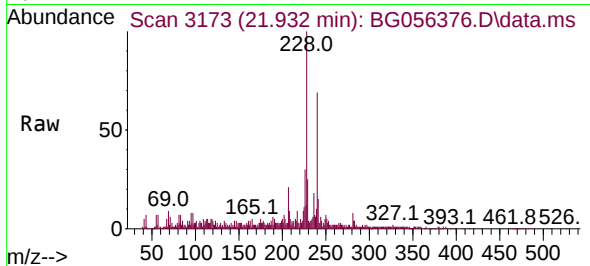
#81
Benzo(a)anthracene
Concen: 4.253 ng
RT: 21.932 min Scan# 3173
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Instrument :
BNA_G
ClientSampleId :
TR-05-011923

Tgt Ion:228 Resp: 84645
Ion Ratio Lower Upper
228 100
226 29.6 22.6 34.0
229 25.0 16.9 25.3

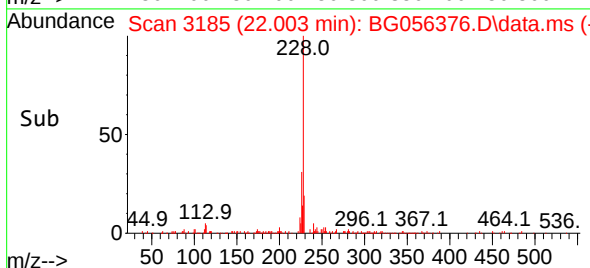
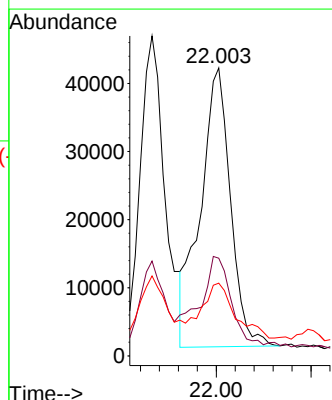
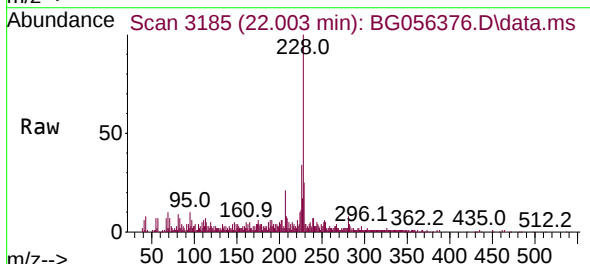
Manual Integrations
APPROVED

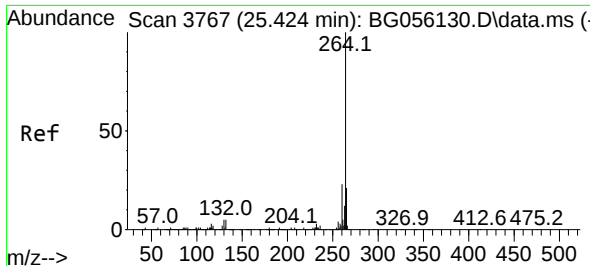
Reviewed By :Christian Giraldo 01/23/2023
Supervised By :Jagrut Upadhyay 01/23/2023



#83
Chrysene
Concen: 4.866 ng
RT: 22.003 min Scan# 3185
Delta R.T. 0.001 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

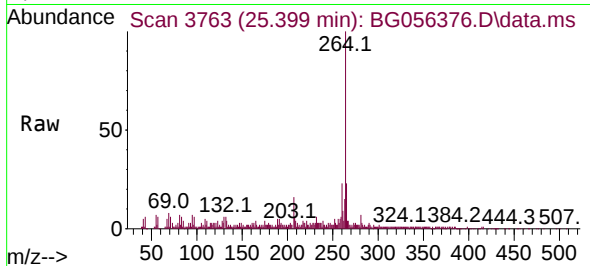
Tgt Ion:228 Resp: 90718
Ion Ratio Lower Upper
228 100
226 33.9 24.6 36.8
229 25.3 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.399 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: BG056376.D
 Acq: 20 Jan 2023 20:51

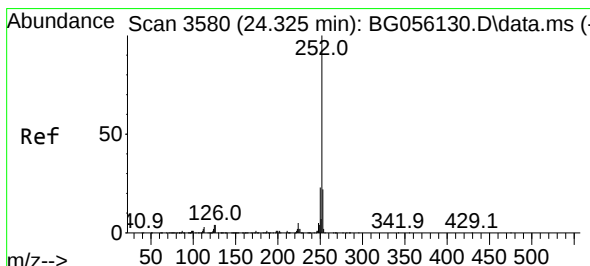
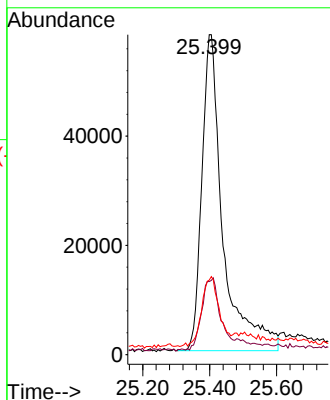
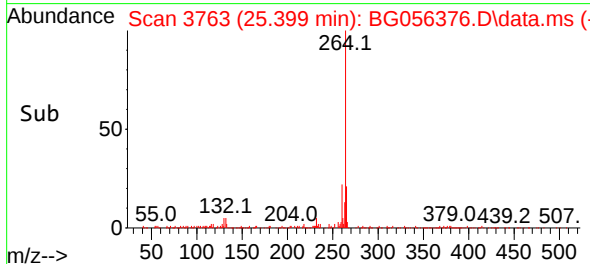
Instrument :
 BNA_G
 ClientSampleId :
 TR-05-011923



Tgt Ion:264 Resp: 253790
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.6 28.0
 265 23.3 16.7 25.1

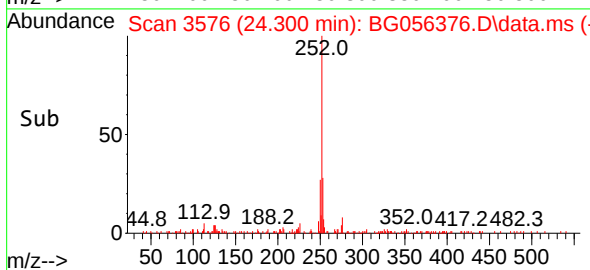
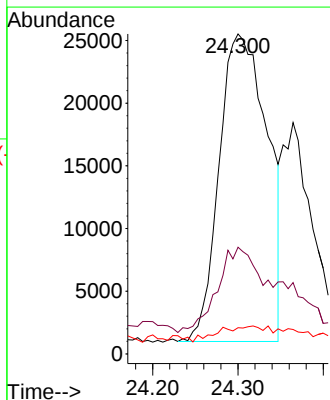
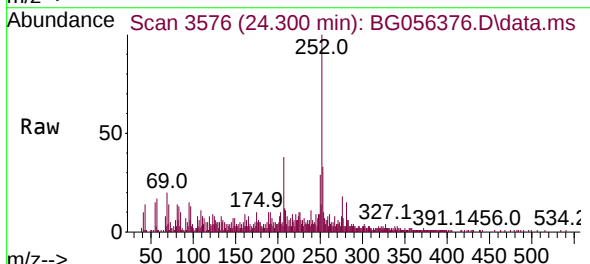
Manual Integrations
 APPROVED

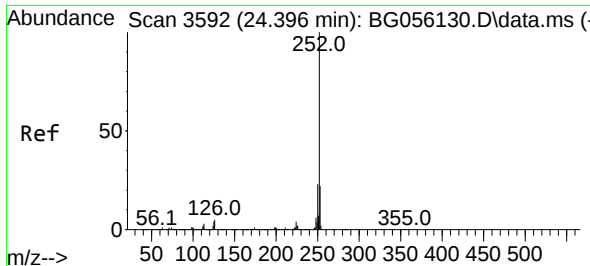
Reviewed By :Christian Giraldo 01/23/2023
 Supervised By :Jagrut Upadhyay 01/23/2023



#88
 Benzo(b)fluoranthene
 Concen: 5.961 ng
 RT: 24.300 min Scan# 3576
 Delta R.T. 0.007 min
 Lab File: BG056376.D
 Acq: 20 Jan 2023 20:51

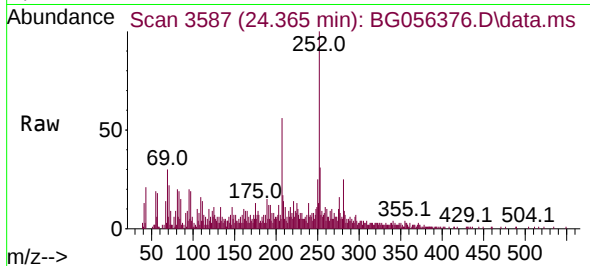
Tgt Ion:252 Resp: 96127
 Ion Ratio Lower Upper
 252 100
 253 33.3 17.4 26.2#
 125 8.2 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 3.026 ng m
RT: 24.365 min Scan# 3592
Delta R.T. -0.005 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

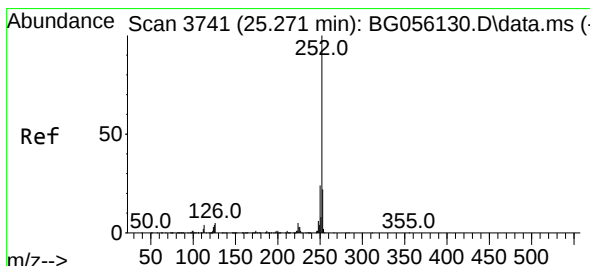
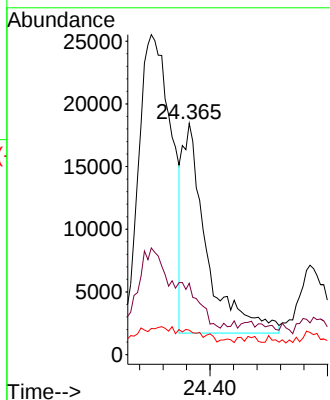
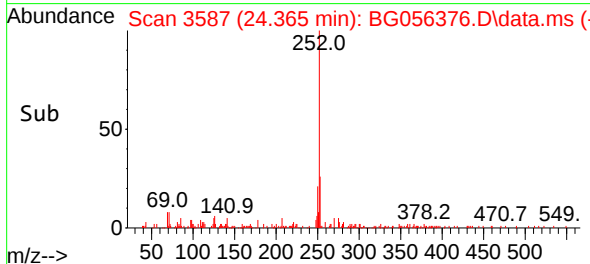
Instrument :
BNA_G
ClientSampleId :
TR-05-011923



Tgt Ion:252 Resp: 48590
Ion Ratio Lower Upper
252 100
253 30.8 17.5 26.3#
125 10.6 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: 4.942 ng
RT: 25.234 min Scan# 3735
Delta R.T. 0.007 min
Lab File: BG056376.D
Acq: 20 Jan 2023 20:51

Tgt Ion:252 Resp: 77722
Ion Ratio Lower Upper
252 100
253 28.6 17.4 26.2#
125 9.5 3.2 4.8#

