

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
 Data File : BG056418.D
 Acq On : 25 Jan 2023 1:18
 Operator : CG/JU
 Sample : 01253-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-012023

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/25/2023
 Supervised By :Jagrut Upadhyay 01/25/2023

Quant Time: Jan 25 05:37:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 25 04:54:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.297	152	50507	20.000	ng	0.00
21) Naphthalene-d8	11.129	136	188542	20.000	ng	0.00
39) Acenaphthene-d10	14.913	164	128958	20.000	ng	0.00
64) Phenanthrene-d10	17.651	188	285598	20.000	ng	0.00
76) Chrysene-d12	21.940	240	266033	20.000	ng	# 0.00
86) Perylene-d12	25.377	264	212960	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.817	112	294458	104.095	ng	0.00
7) Phenol-d6	7.439	99	397331	91.464	ng	0.00
23) Nitrobenzene-d5	9.472	82	211383	57.348	ng	0.00
42) 2,4,6-Tribromophenol	16.393	330	154457	94.571	ng	0.00
45) 2-Fluorobiphenyl	13.532	172	634314	67.923	ng	0.00
79) Terphenyl-d14	20.224	244	984863	66.305	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	19.678	202	61188	3.169	ng	95
78) Pyrene	20.042	202	59512m	3.174	ng	
83) Chrysene	21.987	228	41382	2.364	ng	# 79
88) Benzo(b)fluoranthene	24.278	252	49051	3.625	ng	# 9
90) Benzo(a)pyrene	25.218	252	26570	2.013	ng	# 66

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

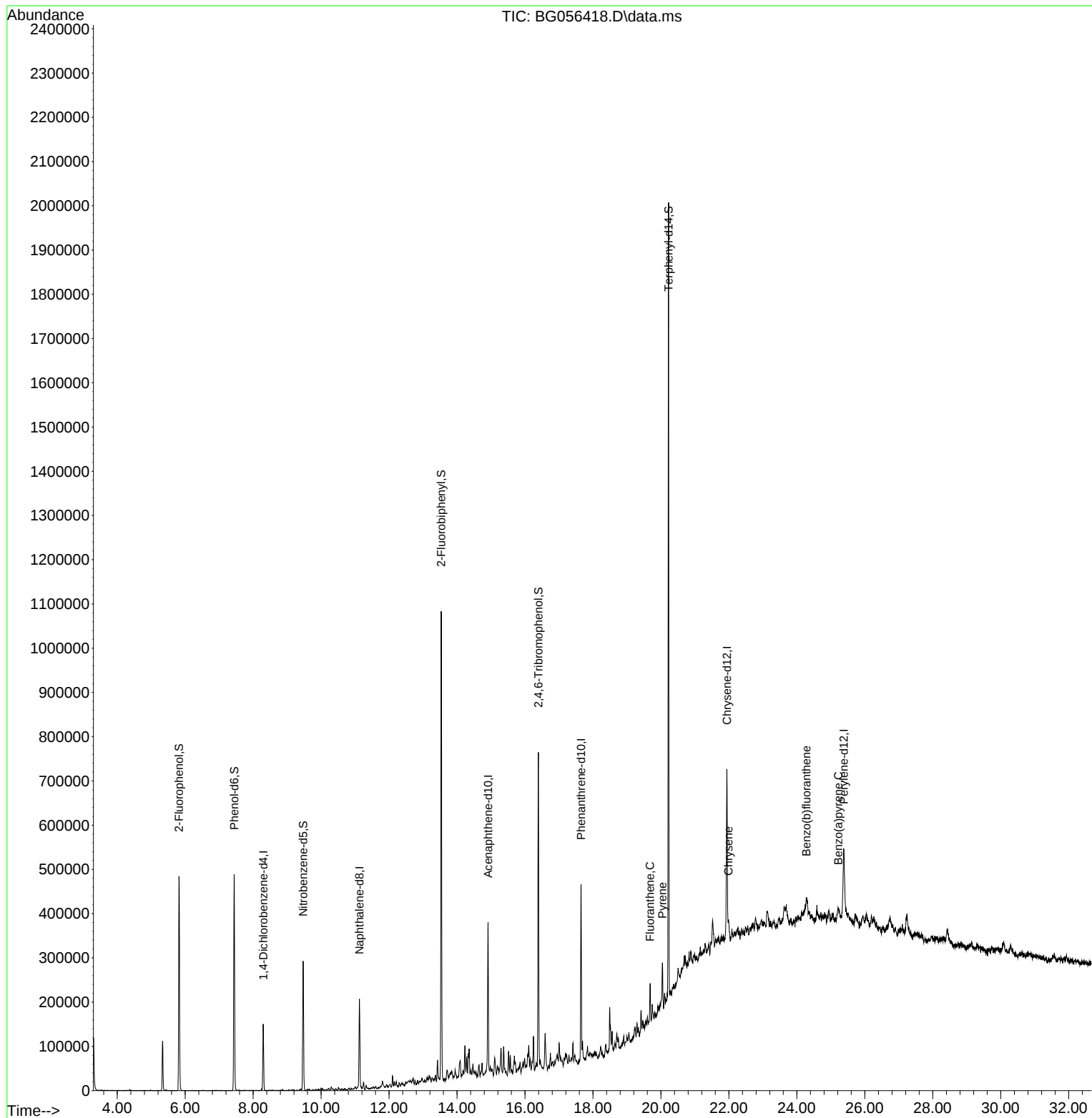
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056418.D
Acq On : 25 Jan 2023 1:18
Operator : CG/JU
Sample : 01253-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

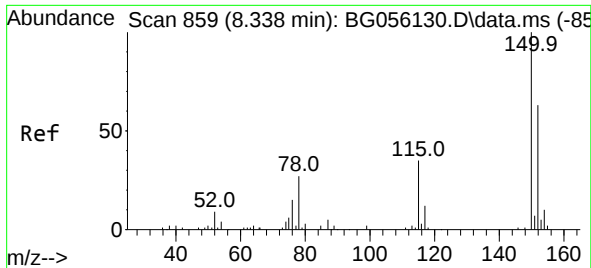
Instrument :
BNA_G
ClientSampleId :
SU-04-012023

Quant Time: Jan 25 05:37:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

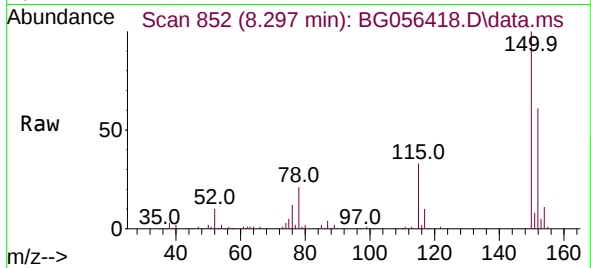
Reviewed By : Christian Giraldo 01/25/2023
Supervised By : Jagrut Upadhyay 01/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.297 min Scan# 81
Delta R.T. 0.004 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18

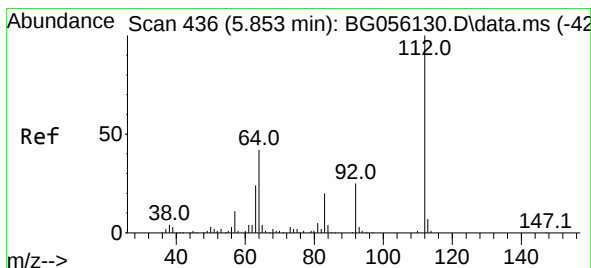
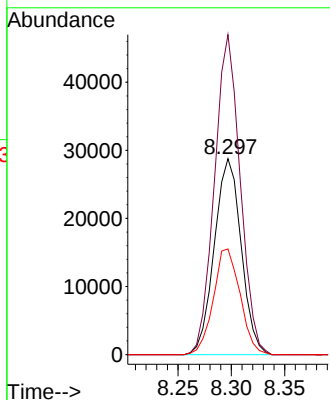
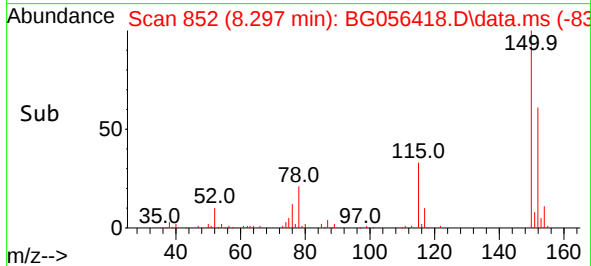
Instrument :
BNA_G
ClientSampleId :
SU-04-012023



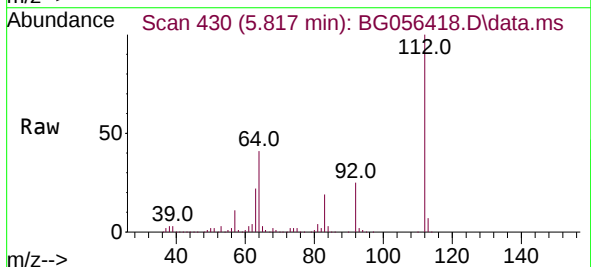
Tgt Ion:152 Resp: 5050
Ion Ratio Lower Upper
152 100
150 163.4 127.9 191.9
115 53.9 44.2 66.2

Manual Integrations
APPROVED

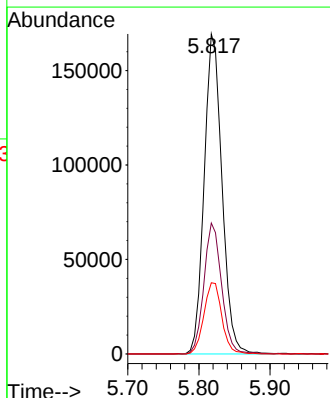
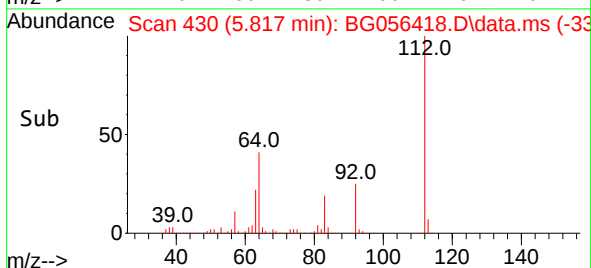
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#5
2-Fluorophenol
Concen: 104.095 ng
RT: 5.817 min Scan# 430
Delta R.T. 0.004 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18



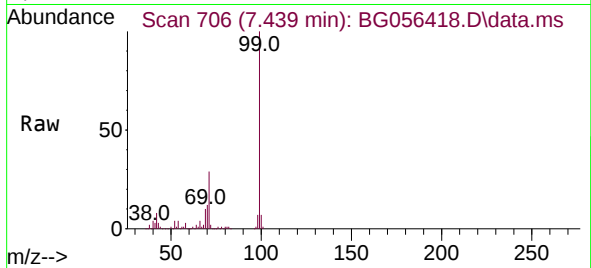
Tgt Ion:112 Resp: 294458
Ion Ratio Lower Upper
112 100
64 40.9 33.3 49.9
63 22.2 19.0 28.4





#7
Phenol-d6
Concen: 91.464 ng
RT: 7.439 min Scan# 70
Delta R.T. 0.004 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18

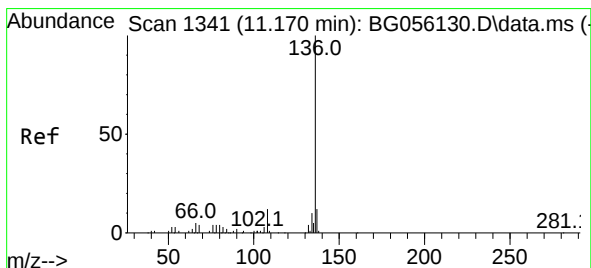
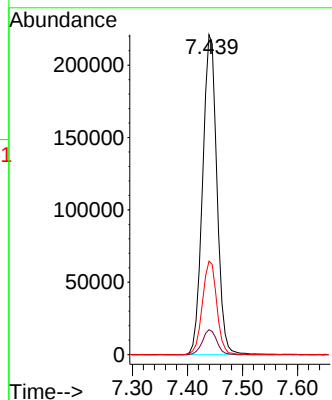
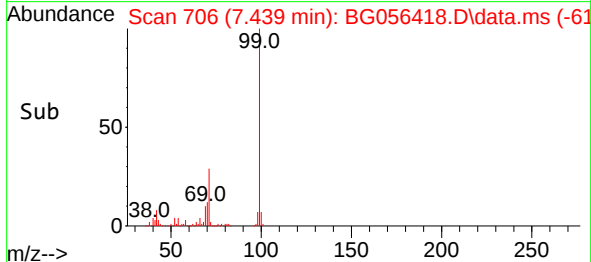
Instrument :
BNA_G
ClientSampleId :
SU-04-012023



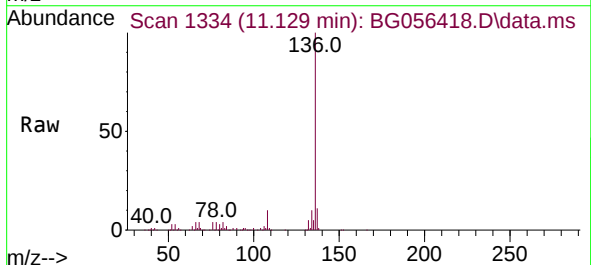
Tgt Ion: 99 Resp: 39733
Ion Ratio Lower Upper
99 100
42 7.8 5.9 8.9
71 29.2 25.4 38.2

Manual Integrations
APPROVED

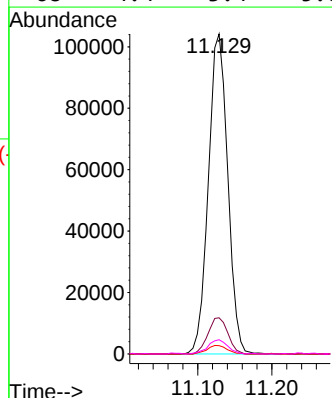
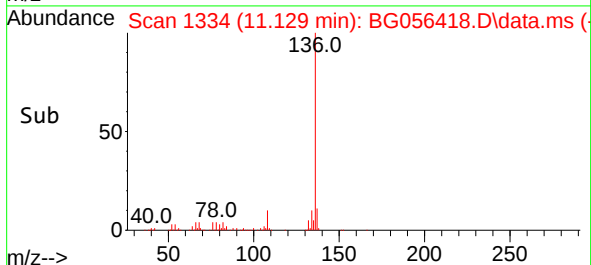
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.129 min Scan# 1334
Delta R.T. -0.002 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18



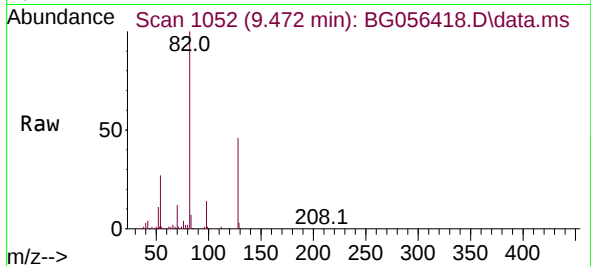
Tgt Ion:136 Resp: 188542
Ion Ratio Lower Upper
136 100
137 11.3 9.4 14.0
54 2.6 2.2 3.2
68 4.4 3.4 5.0





#23
Nitrobenzene-d5
Concen: 57.348 ng
RT: 9.472 min Scan# 1052
Delta R.T. -0.002 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18

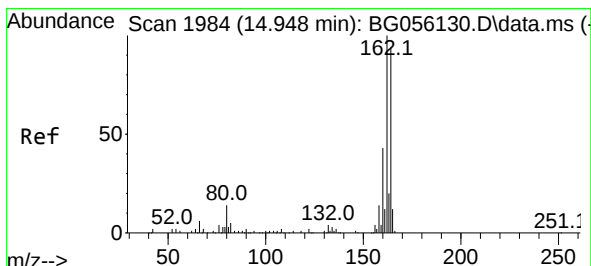
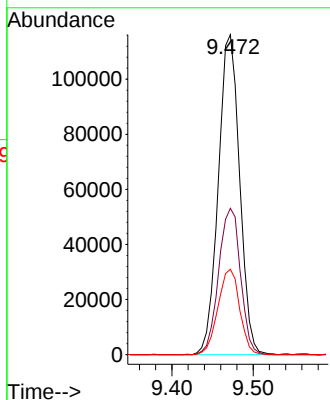
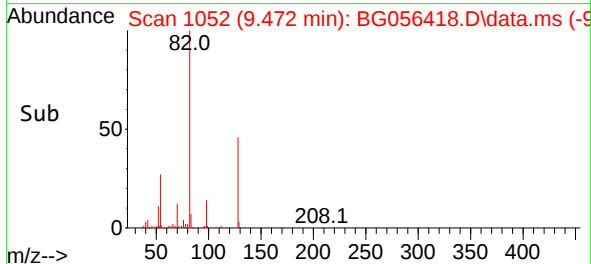
Instrument :
BNA_G
ClientSampleId :
SU-04-012023



Tgt Ion: 82 Resp: 211383
Ion Ratio Lower Upper
82 100
128 45.7 33.4 50.2
54 26.7 20.3 30.5

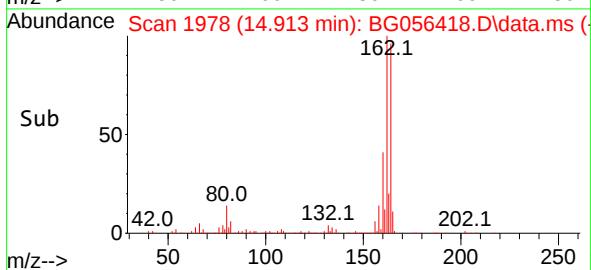
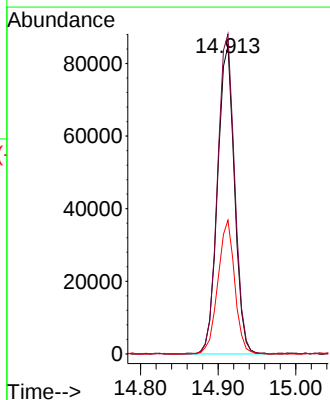
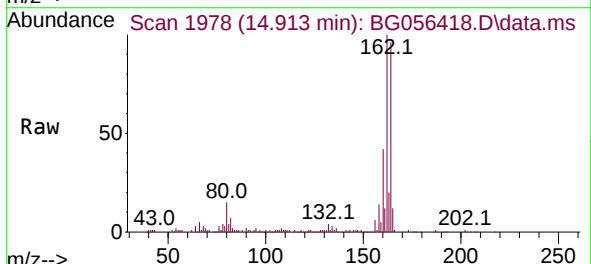
Manual Integrations
APPROVED

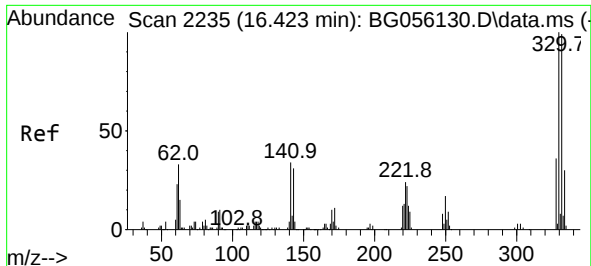
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.913 min Scan# 1978
Delta R.T. -0.002 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18

Tgt Ion:164 Resp: 128958
Ion Ratio Lower Upper
164 100
162 103.9 84.7 127.1
160 43.4 36.3 54.5





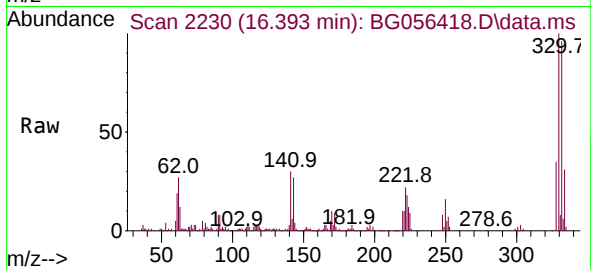
#42
2,4,6-Tribromophenol
Concen: 94.571 ng
RT: 16.393 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18

Instrument :

BNA_G

ClientSampleId :

SU-04-012023

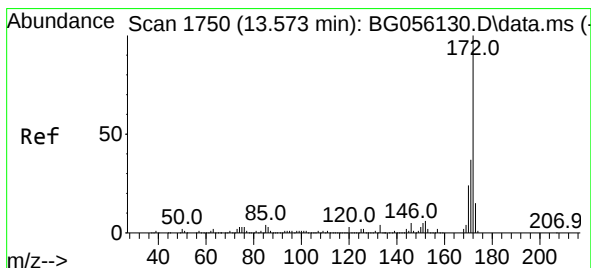
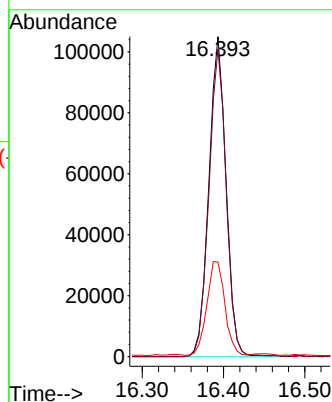
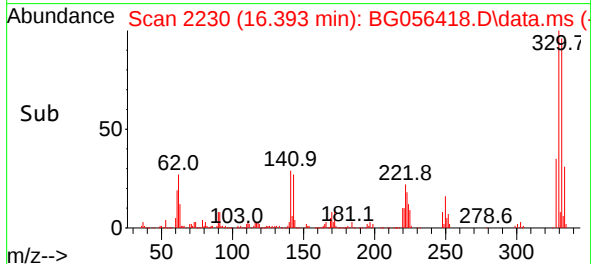


Tgt Ion:330 Resp: 154452
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 30.7 27.9 41.9

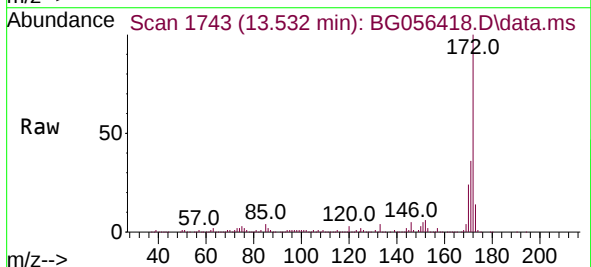
Manual Integrations

APPROVED

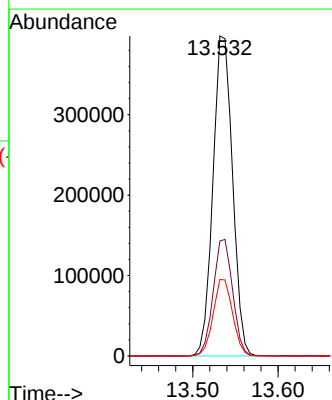
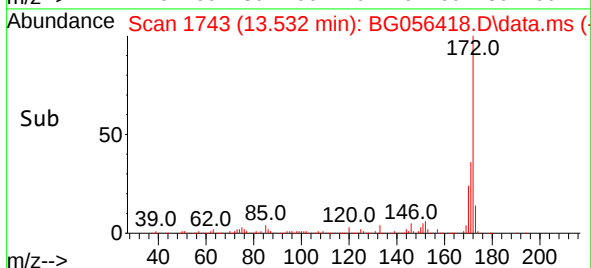
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

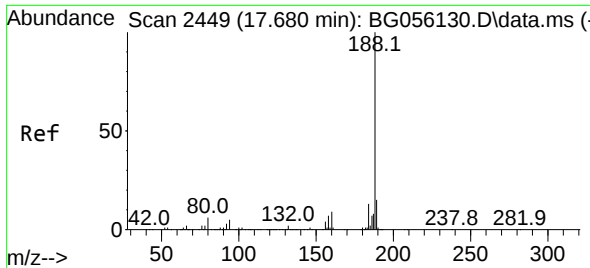


#45
2-Fluorobiphenyl
Concen: 67.923 ng
RT: 13.532 min Scan# 1743
Delta R.T. -0.008 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18



Tgt Ion:172 Resp: 634314
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.651 min Scan# 2449
Delta R.T. -0.002 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18

Instrument :

BNA_G

ClientSampleId :

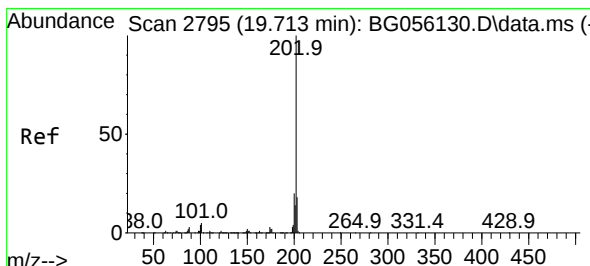
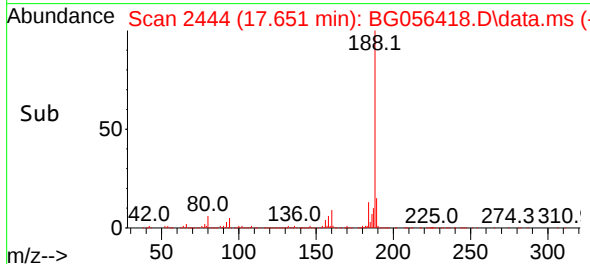
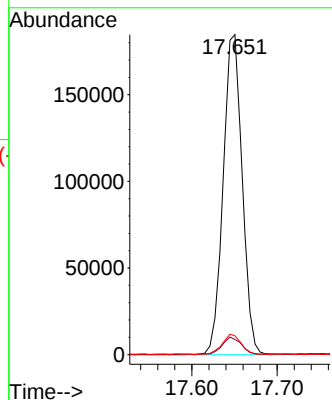
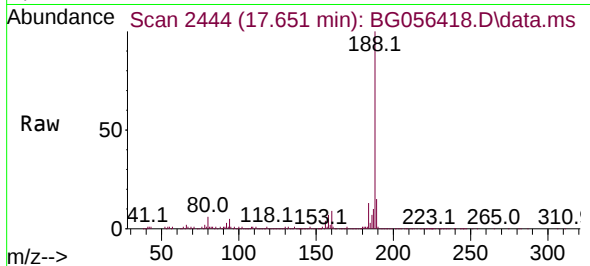
SU-04-012023

Tgt Ion:188 Resp: 285598
Ion Ratio Lower Upper
188 100
94 4.7 4.2 6.2
80 5.9 5.0 7.4

Manual Integrations

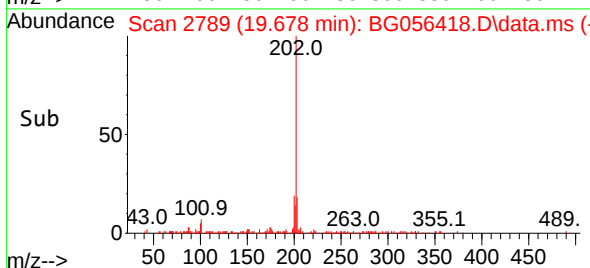
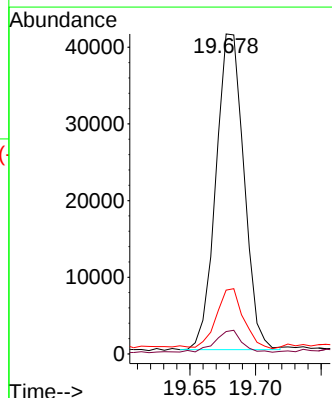
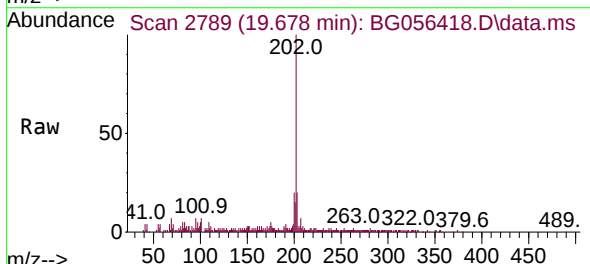
APPROVED

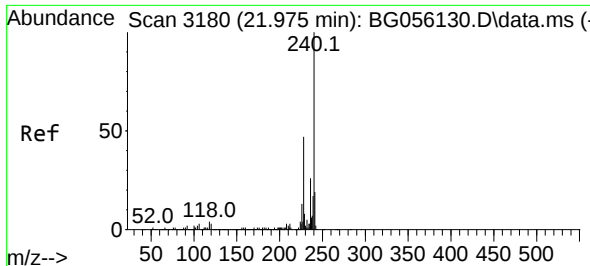
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023



#75
Fluoranthene
Concen: 3.169 ng
RT: 19.678 min Scan# 2789
Delta R.T. -0.008 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18

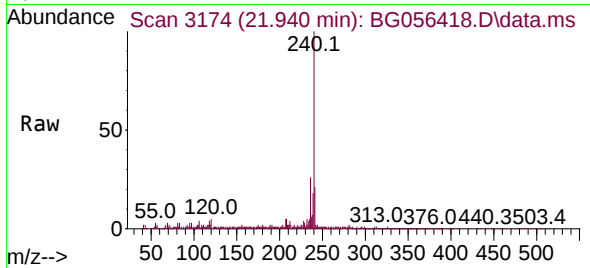
Tgt Ion:202 Resp: 61188
Ion Ratio Lower Upper
202 100
101 7.0 0.0 25.0
203 19.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.940 min Scan# 3180
Delta R.T. -0.002 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18

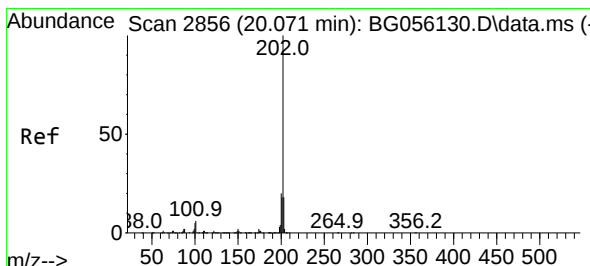
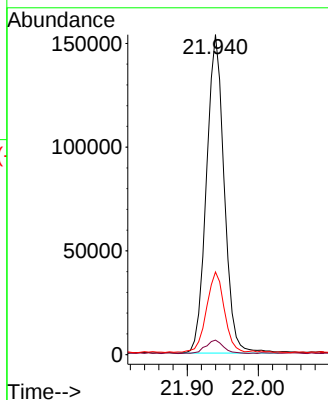
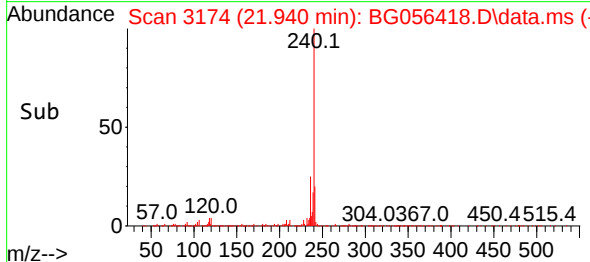
Instrument :
BNA_G
ClientSampleId :
SU-04-012023



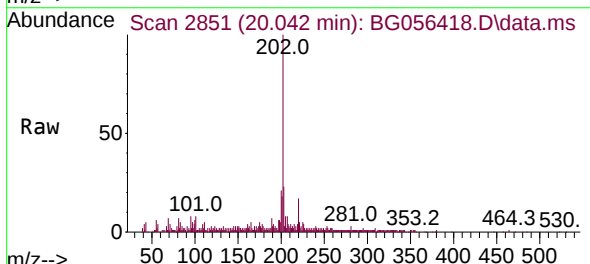
Tgt Ion:240 Resp: 266033
Ion Ratio Lower Upper
240 100
120 4.5 2.6 4.0
236 25.8 20.8 31.2

Manual Integrations
APPROVED

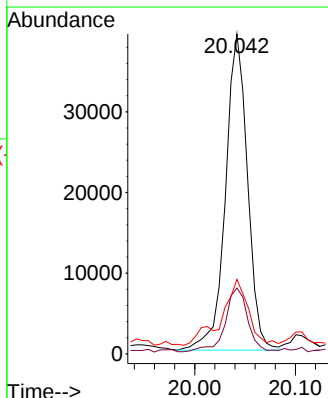
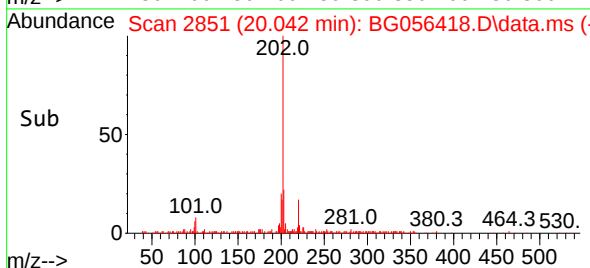
Reviewed By :Christian Giraldo 01/25/2023
Supervised By :Jagrut Upadhyay 01/25/2023

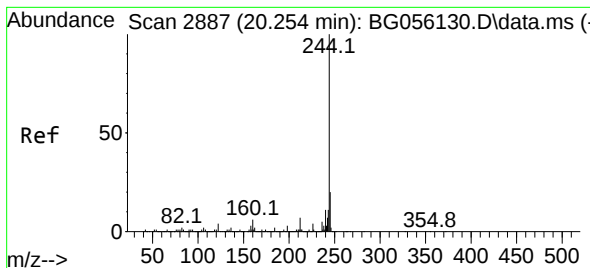


#78
Pyrene
Concen: 3.174 ng m
RT: 20.042 min Scan# 2851
Delta R.T. -0.002 min
Lab File: BG056418.D
Acq: 25 Jan 2023 1:18



Tgt Ion:202 Resp: 59512
Ion Ratio Lower Upper
202 100
200 20.6 16.4 24.6
203 23.3 14.3 21.5





#79

Terphenyl-d14

Concen: 66.305 ng

RT: 20.224 min Scan# 2882

Delta R.T. -0.002 min

Lab File: BG056418.D

Acq: 25 Jan 2023 1:18

Instrument :

BNA_G

ClientSampleId :

SU-04-012023

Tgt Ion:244 Resp: 984863

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

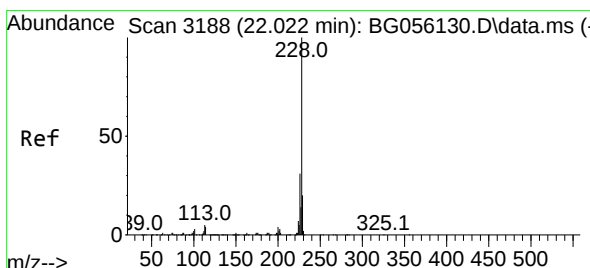
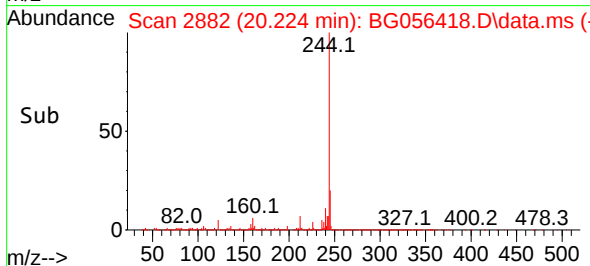
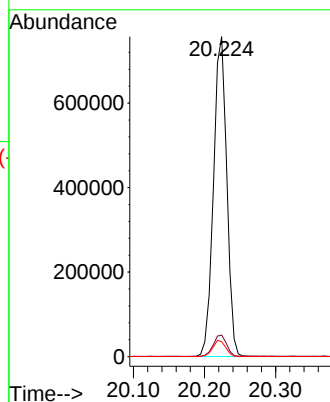
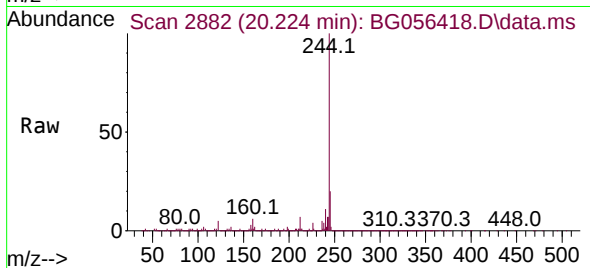
122 4.7 3.5 5.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/25/2023

Supervised By :Jagrut Upadhyay 01/25/2023



#83

Chrysene

Concen: 2.364 ng

RT: 21.987 min Scan# 3182

Delta R.T. -0.008 min

Lab File: BG056418.D

Acq: 25 Jan 2023 1:18

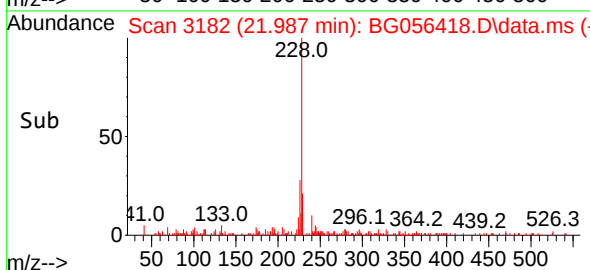
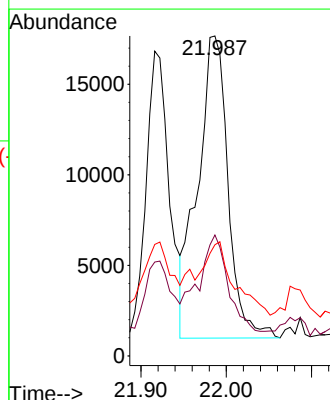
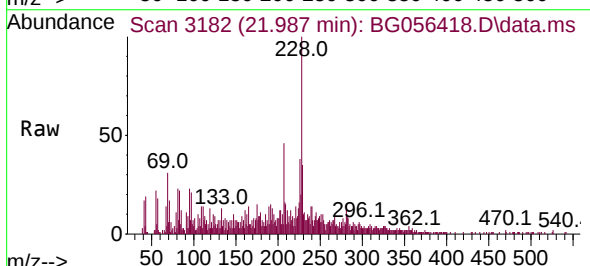
Tgt Ion:228 Resp: 41382

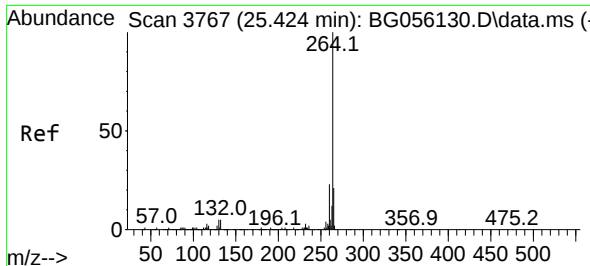
Ion Ratio Lower Upper

228 100

226 37.8 24.6 36.8#

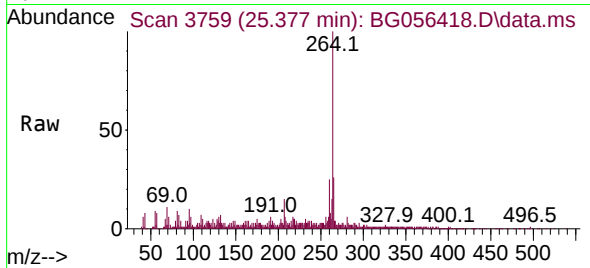
229 34.7 15.8 23.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.377 min Scan# 31
 Delta R.T. 0.004 min
 Lab File: BG056418.D
 Acq: 25 Jan 2023 1:18

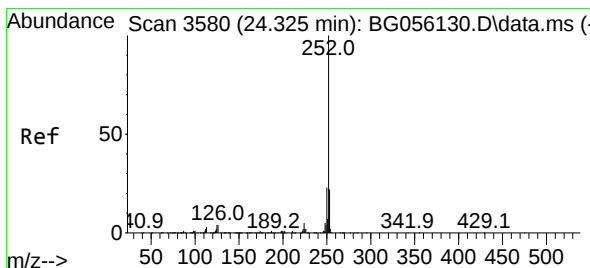
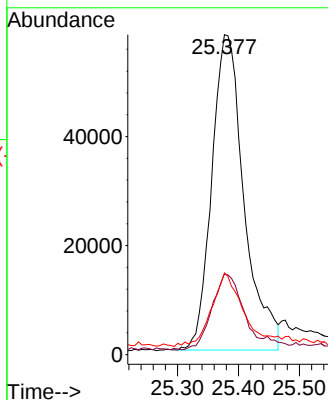
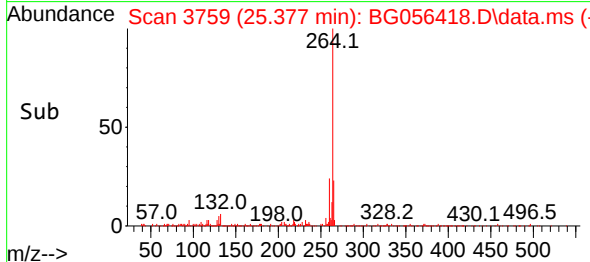
Instrument :
 BNA_G
 ClientSampleId :
 SU-04-012023



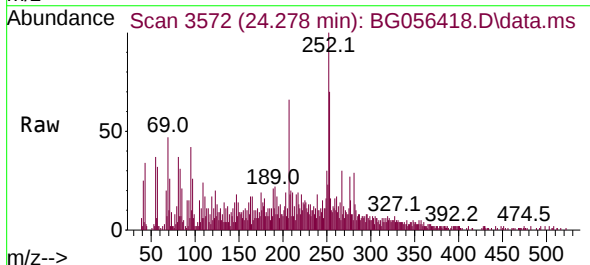
Tgt Ion:264 Resp: 212960
 Ion Ratio Lower Upper
 264 100
 260 25.2 18.6 28.0
 265 25.5 16.7 25.1

Manual Integrations
 APPROVED

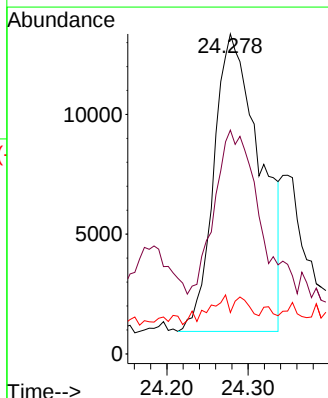
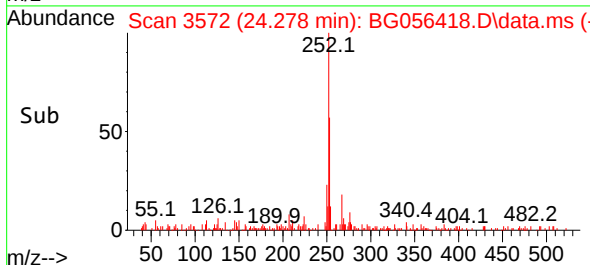
Reviewed By :Christian Giraldo 01/25/2023
 Supervised By :Jagrut Upadhyay 01/25/2023

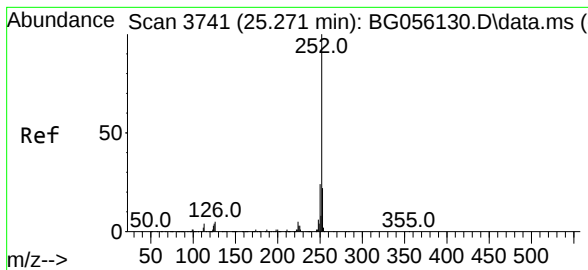


#88
 Benzo(b)fluoranthene
 Concen: 3.625 ng
 RT: 24.278 min Scan# 3572
 Delta R.T. -0.002 min
 Lab File: BG056418.D
 Acq: 25 Jan 2023 1:18



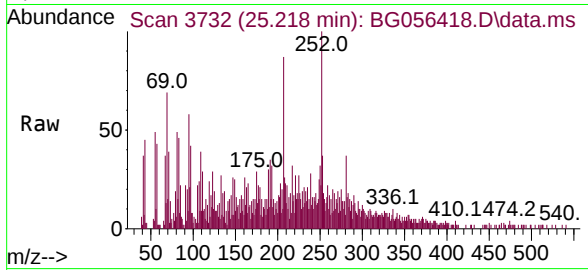
Tgt Ion:252 Resp: 49051
 Ion Ratio Lower Upper
 252 100
 253 69.9 17.4 26.2#
 125 12.9 3.0 4.4#





#90
 Benzo(a)pyrene
 Concen: 2.013 ng
 RT: 25.218 min Scan# 31
 Delta R.T. 0.004 min
 Lab File: BG056418.D
 Acq: 25 Jan 2023 1:18

Instrument :
 BNA_G
 ClientSampleId :
 SU-04-012023



Tgt Ion: 252 Resp: 26570

Ion	Ratio	Lower	Upper
252	100		
253	37.1	17.4	26.2
125	18.6	3.2	4.8

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/25/2023
 Supervised By : Jagrut Upadhyay 01/25/2023

