

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
 Data File : BG057118.D
 Acq On : 17 Apr 2023 19:51
 Operator : CG/JU
 Sample : 02357-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P2-S1-230413

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/18/2023
 Supervised By :Jagrut Upadhyay 04/18/2023

Quant Time: Apr 18 01:21:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 19:00:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.396	152	9644	20.000	ng	-0.02
21) Naphthalene-d8	11.239	136	67311	20.000	ng	# 0.00
39) Acenaphthene-d10	15.010	164	49074	20.000	ng	0.00
64) Phenanthrene-d10	17.753	188	115275	20.000	ng	# 0.00
76) Chrysene-d12	22.065	240	95517	20.000	ng	#-0.02
86) Perylene-d12	25.602	264	104637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.911	112	78652	130.525	ng	0.00
7) Phenol-d6	7.532	99	158965	176.386	ng	0.00
23) Nitrobenzene-d5	9.576	82	69943	42.518	ng	0.00
42) 2,4,6-Tribromophenol	16.490	330	74843	95.466	ng	0.00
45) 2-Fluorobiphenyl	13.635	172	202458	55.943	ng	0.00
79) Terphenyl-d14	20.321	244	365246	64.706	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	9.153	107	3058	3.433	ng	# 80
71) Phenanthrene	17.795	178	14691	2.500	ng	95
75) Fluoranthene	19.780	202	33859	4.545	ng	96
78) Pyrene	20.138	202	28384	4.296	ng	99
81) Benzo(a)anthracene	22.042	228	16775	2.538	ng	96
83) Chrysene	22.118	228	15640m	2.527	ng	
88) Benzo(b)fluoranthene	24.468	252	21054	3.218	ng	# 94
90) Benzo(a)pyrene	25.419	252	15981	2.485	ng	# 96

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

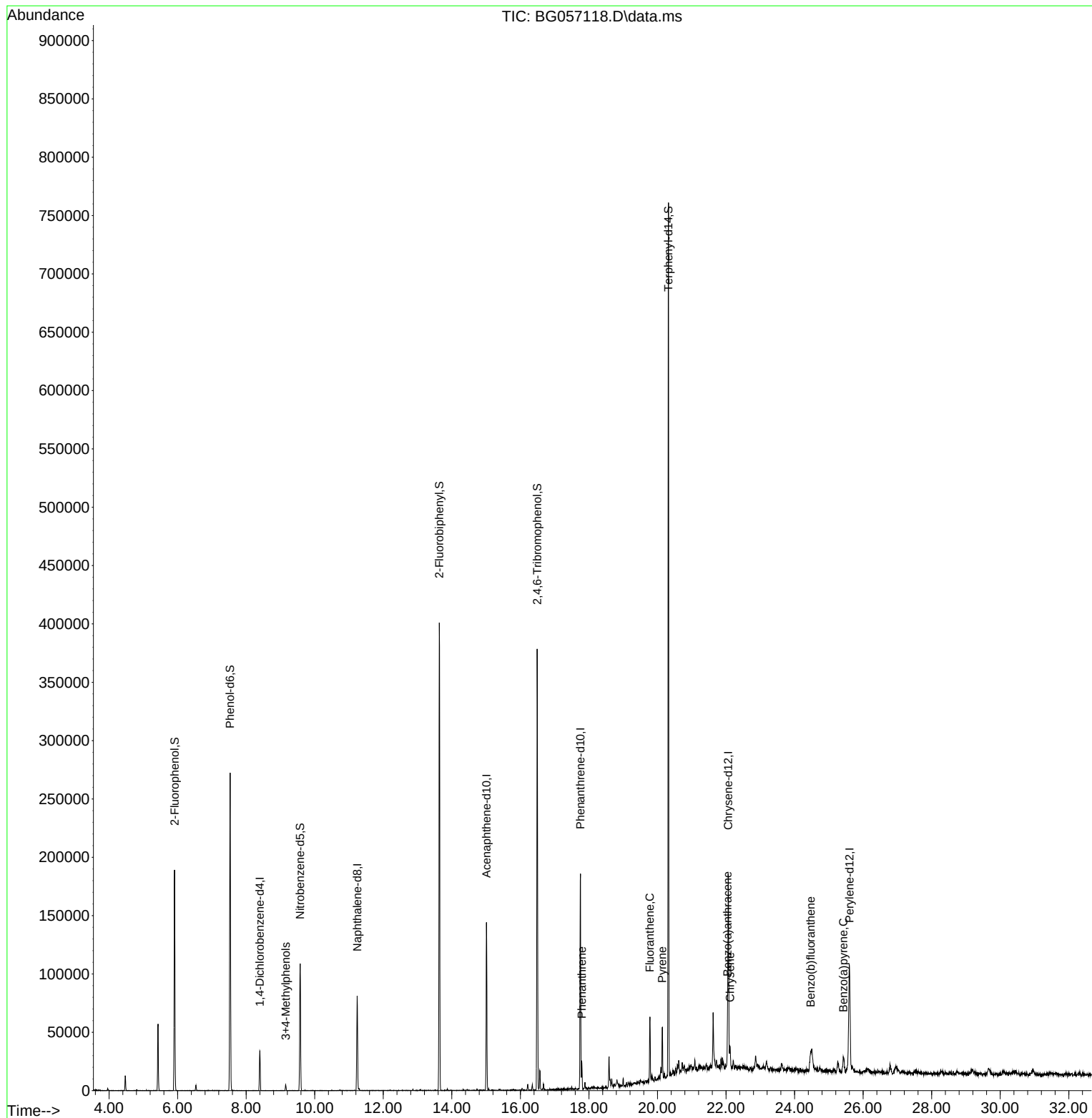
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041723\
Data File : BG057118.D
Acq On : 17 Apr 2023 19:51
Operator : CG/JU
Sample : 02357-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

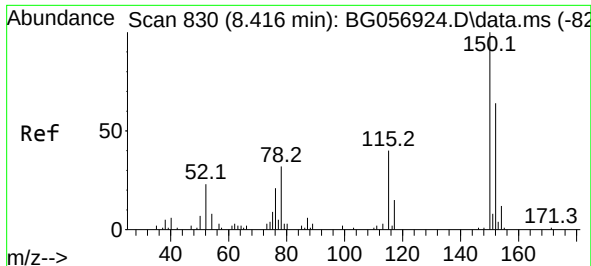
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413

Quant Time: Apr 18 01:21:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 19:00:08 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

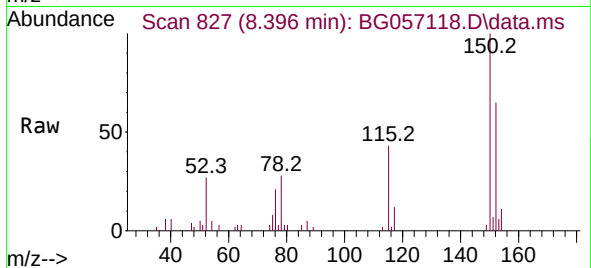
Reviewed By : Christian Giraldo 04/18/2023
Supervised By : Jagrut Upadhyay 04/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.396 min Scan# 81
Delta R.T. -0.015 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

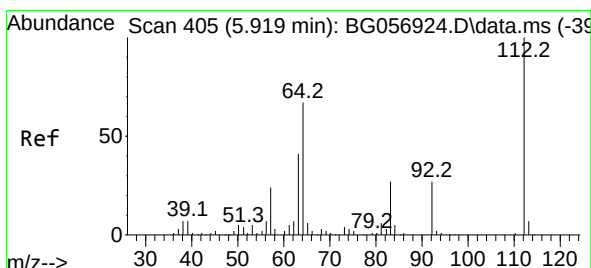
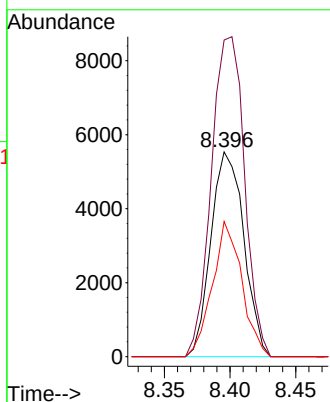
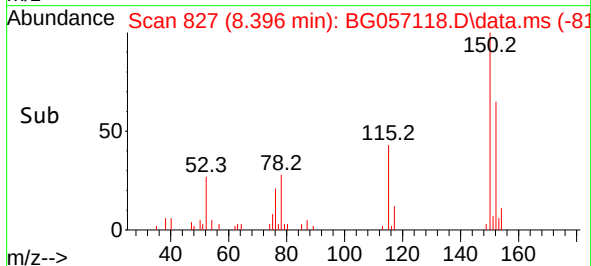
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413



Tgt Ion:152 Resp: 964
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 66.0 49.1 73.7

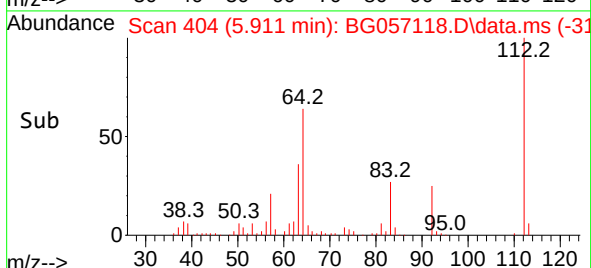
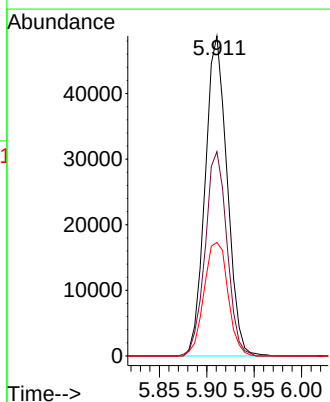
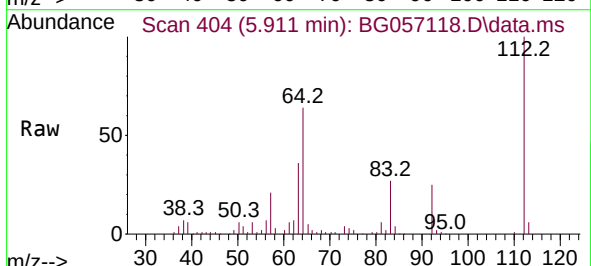
Manual Integrations
APPROVED

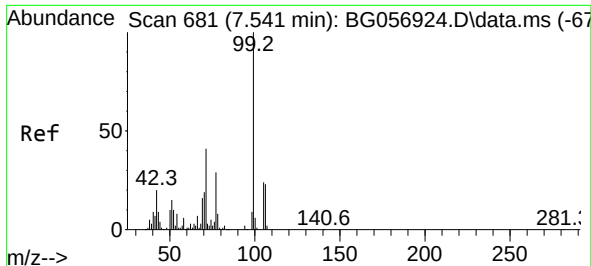
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#5
2-Fluorophenol
Concen: 130.525 ng
RT: 5.911 min Scan# 404
Delta R.T. -0.004 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

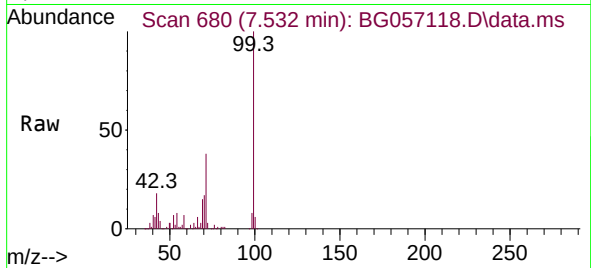
Tgt Ion:112 Resp: 78652
Ion Ratio Lower Upper
112 100
64 63.9 53.2 79.8
63 35.5 32.6 48.8





#7
Phenol-d6
Concen: 176.386 ng
RT: 7.532 min Scan# 681
Delta R.T. -0.004 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

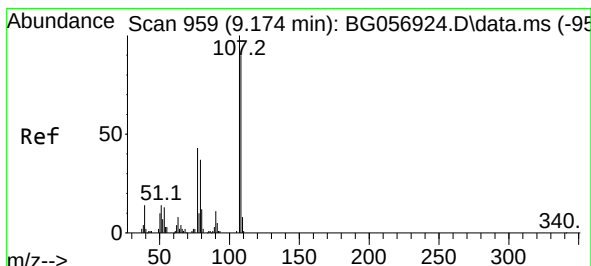
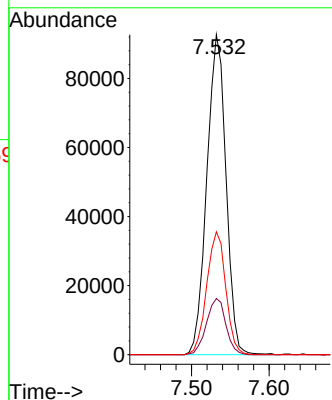
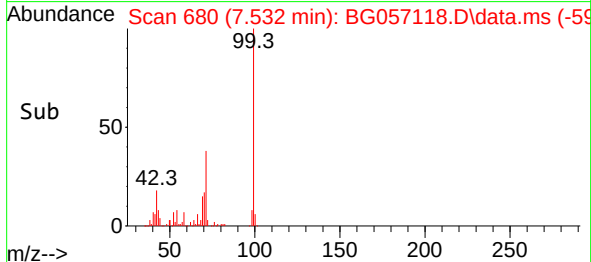
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413



Tgt Ion: 99 Resp: 15896
Ion Ratio Lower Upper
99 100
42 17.6 15.7 23.5
71 38.4 32.5 48.7

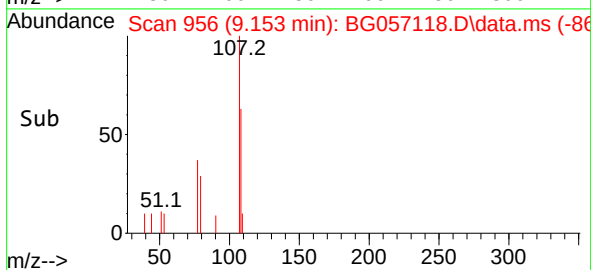
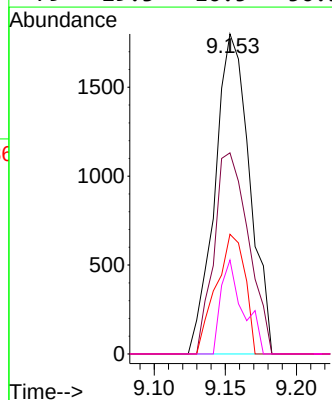
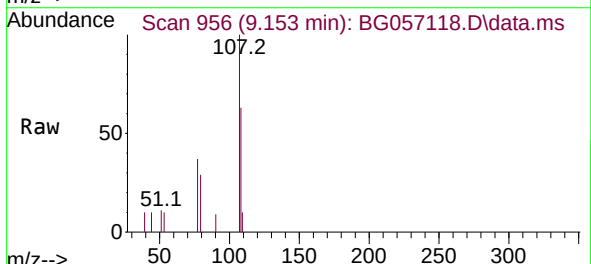
Manual Integrations
APPROVED

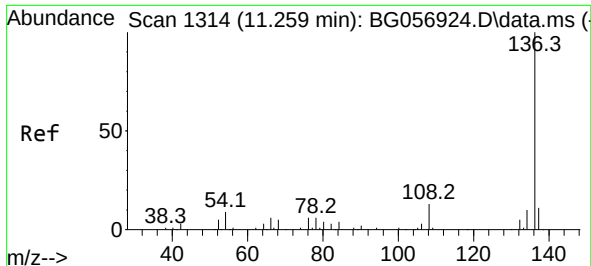
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#20
3+4-Methylphenols
Concen: 3.433 ng
RT: 9.153 min Scan# 956
Delta R.T. -0.016 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:107 Resp: 3058
Ion Ratio Lower Upper
107 100
108 62.8 69.9 109.9#
77 37.4 22.7 62.7
79 29.3 16.5 56.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

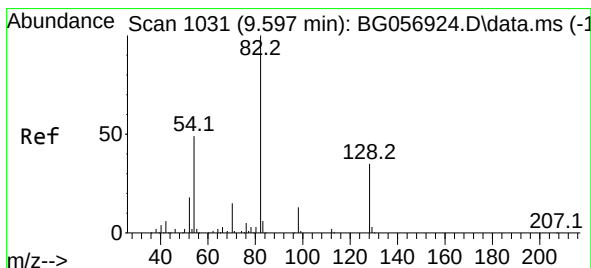
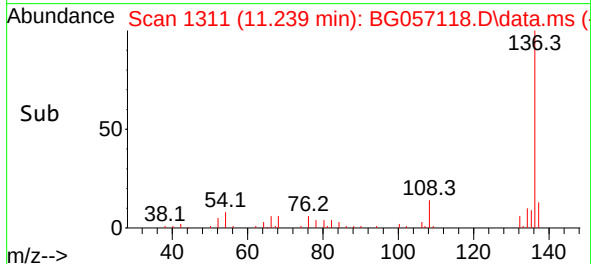
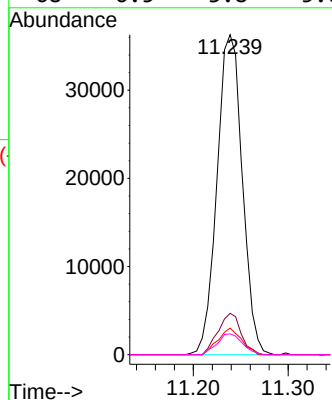
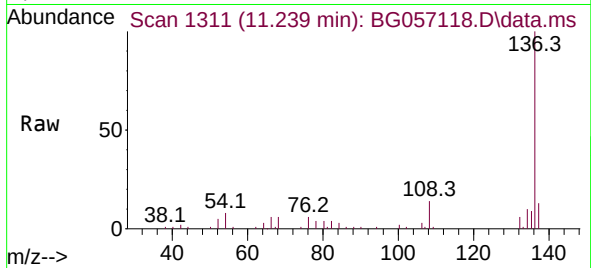
P2-S1-230413

Tgt Ion:136 Resp: 6731
Ion Ratio Lower Upper
136 100
137 12.9 8.6 13.0
54 8.3 6.9 10.3
68 6.5 3.8 5.6#

Manual Integrations

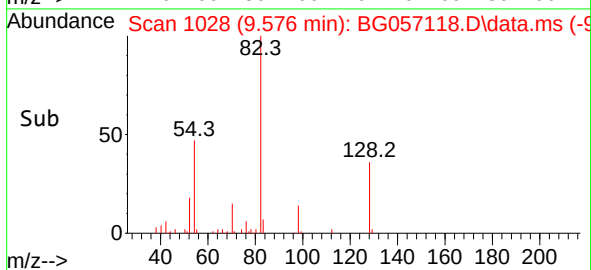
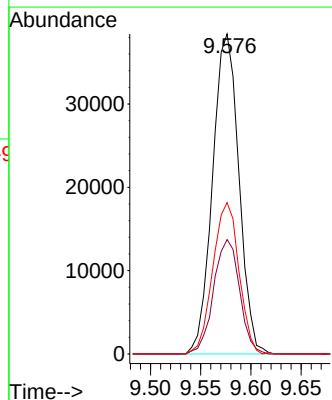
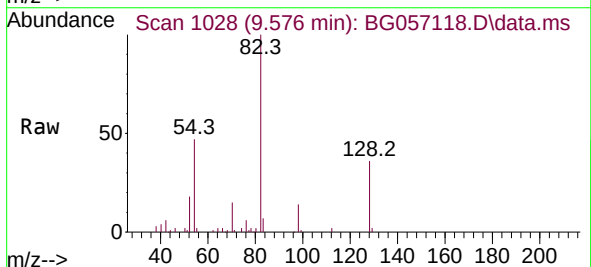
APPROVED

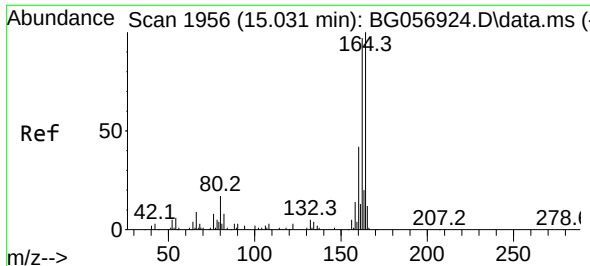
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#23
Nitrobenzene-d5
Concen: 42.518 ng
RT: 9.576 min Scan# 1028
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

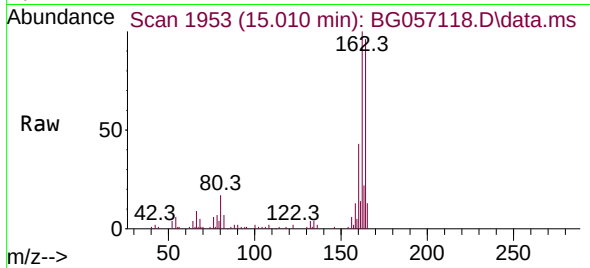
Tgt Ion: 82 Resp: 69943
Ion Ratio Lower Upper
82 100
128 35.8 27.9 41.9
54 47.3 39.4 59.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.010 min Scan# 1956
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

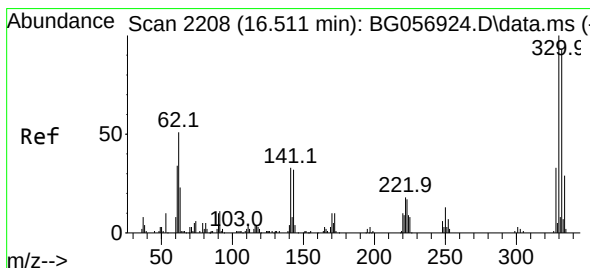
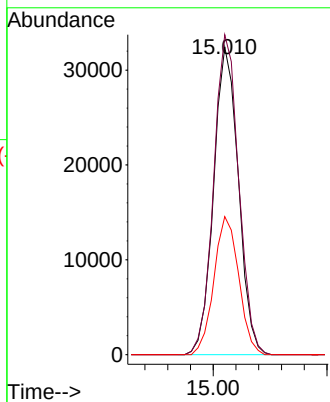
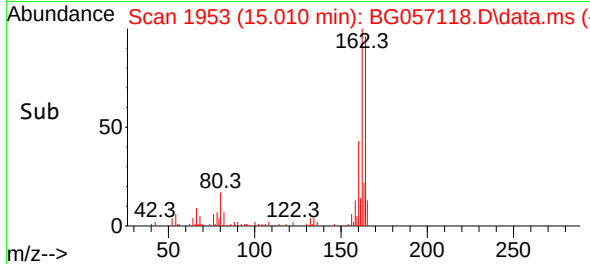
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413



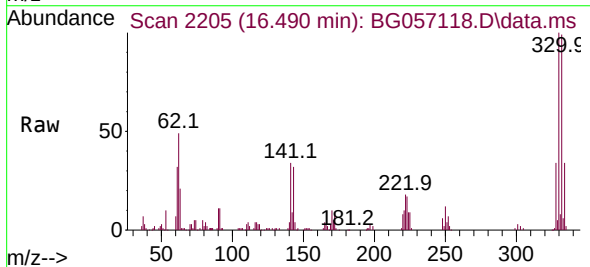
Tgt Ion:164 Resp: 49074
Ion Ratio Lower Upper
164 100
162 104.0 77.8 116.8
160 44.9 33.5 50.3

Manual Integrations
APPROVED

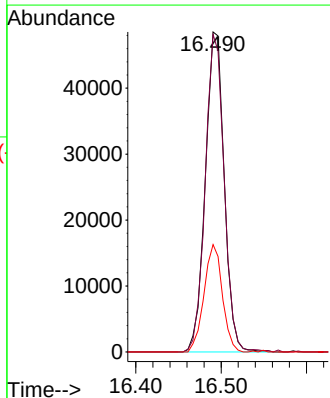
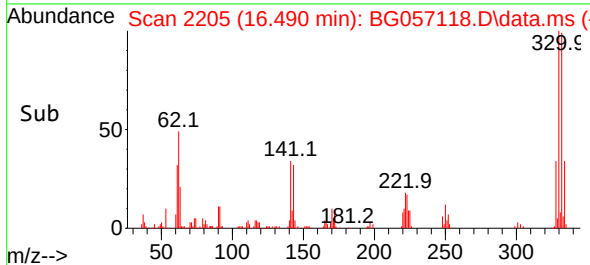
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023

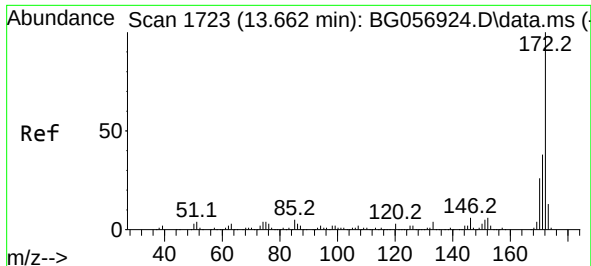


#42
2,4,6-Tribromophenol
Concen: 95.466 ng
RT: 16.490 min Scan# 2205
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51



Tgt Ion:330 Resp: 74843
Ion Ratio Lower Upper
330 100
332 98.9 76.1 114.1
141 32.5 25.8 38.6





#45
2-Fluorobiphenyl
Concen: 55.943 ng
RT: 13.635 min Scan# 1719
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

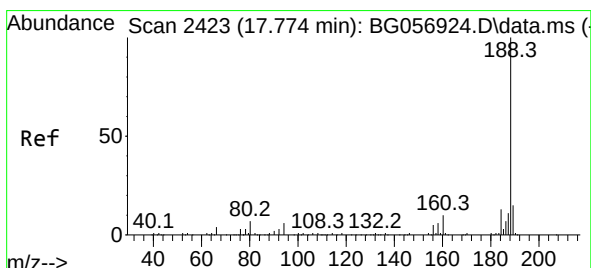
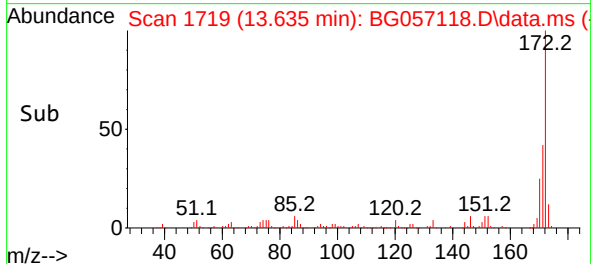
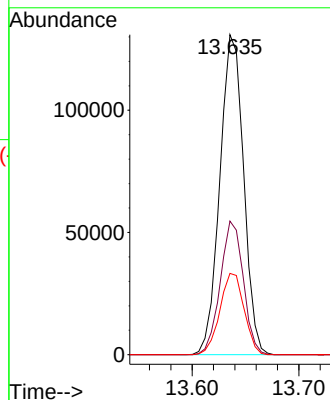
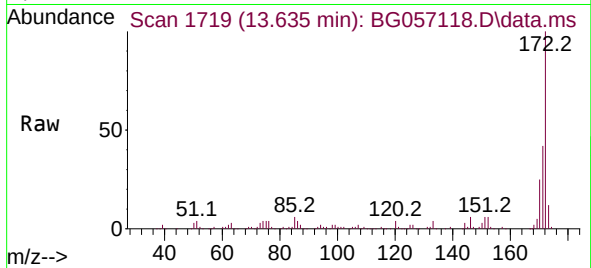
P2-S1-230413

Tgt Ion:172 Resp: 202458
Ion Ratio Lower Upper
172 100
171 41.8 30.6 46.0
170 25.4 20.6 30.8

Manual Integrations

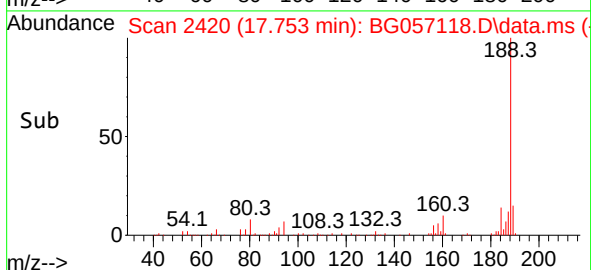
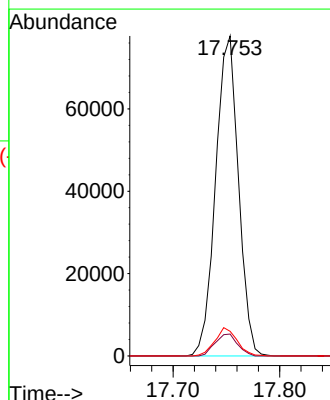
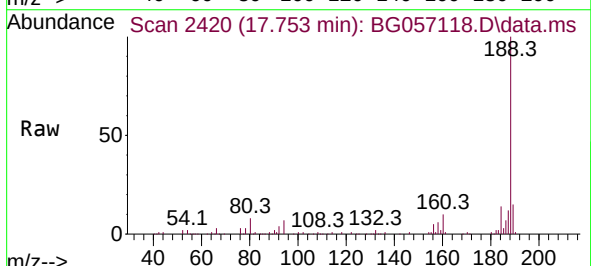
APPROVED

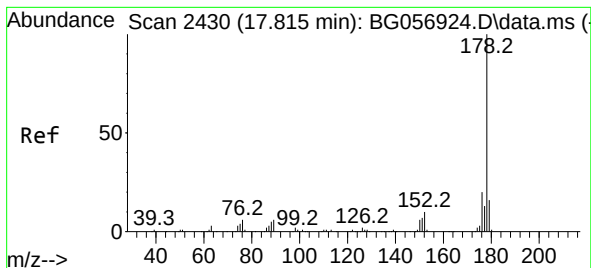
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.753 min Scan# 2420
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Tgt Ion:188 Resp: 115275
Ion Ratio Lower Upper
188 100
94 6.9 4.6 6.8#
80 7.7 5.5 8.3





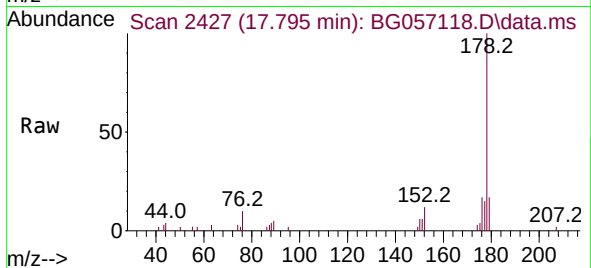
#71
Phenanthrene
Concen: 2.500 ng
RT: 17.795 min Scan# 2430
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

P2-S1-230413

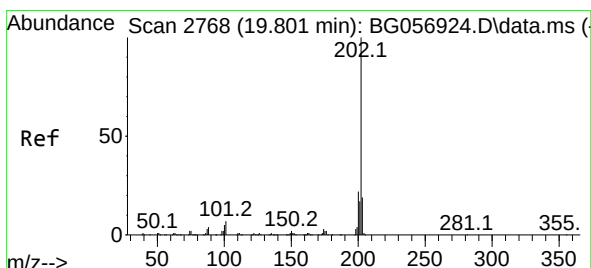
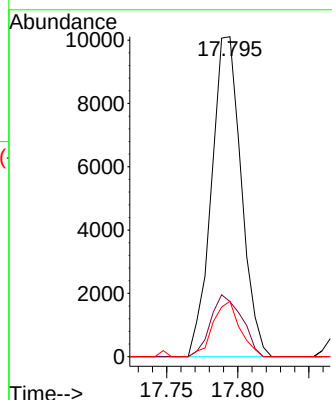
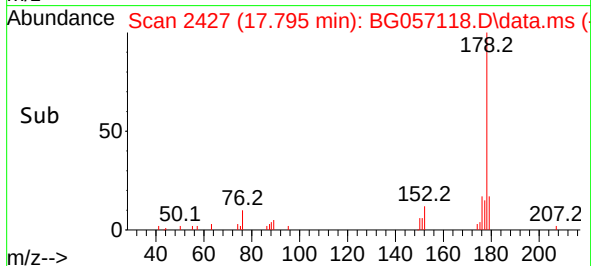


Tgt Ion:178 Resp: 1469
Ion Ratio Lower Upper
178 100
176 17.2 16.2 24.2
179 17.3 12.5 18.7

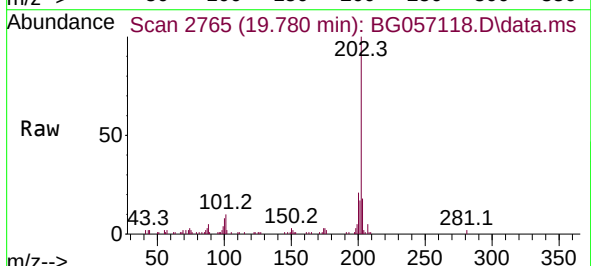
Manual Integrations

APPROVED

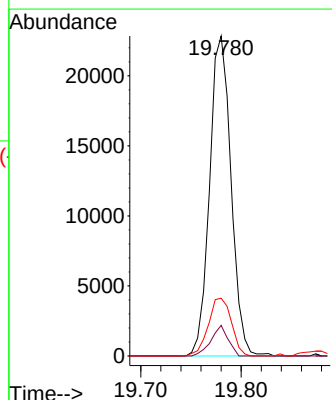
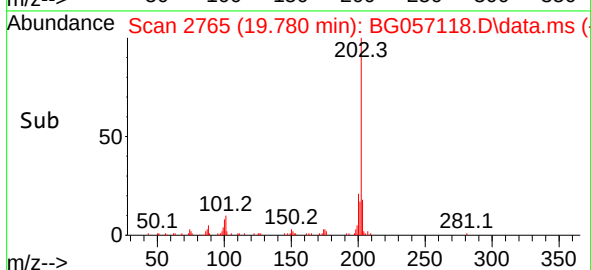
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023

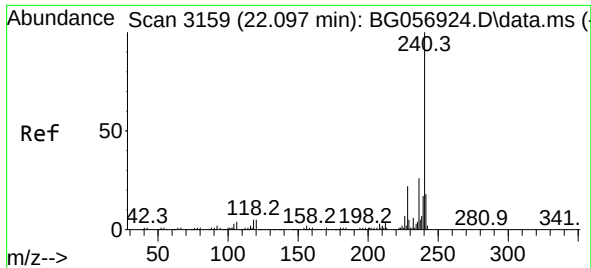


#75
Fluoranthene
Concen: 4.545 ng
RT: 19.780 min Scan# 2765
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51



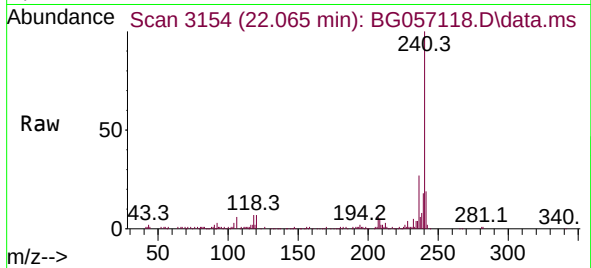
Tgt Ion:202 Resp: 33859
Ion Ratio Lower Upper
202 100
101 9.5 0.0 26.7
203 18.0 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.065 min Scan# 3159
Delta R.T. -0.016 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

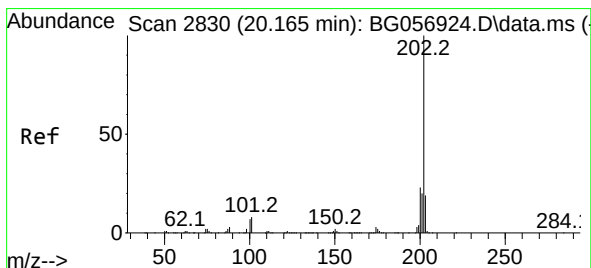
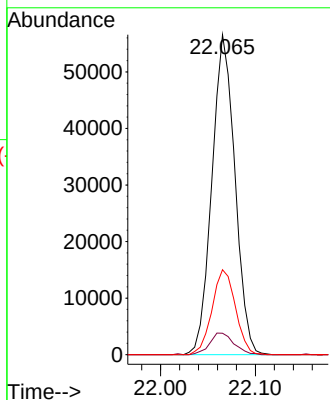
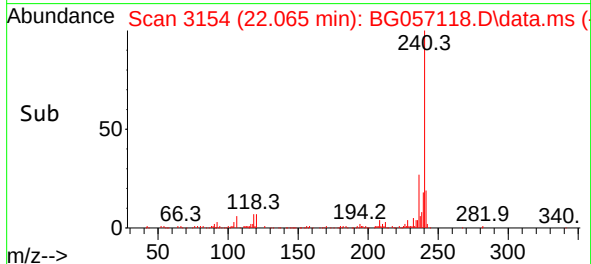
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413



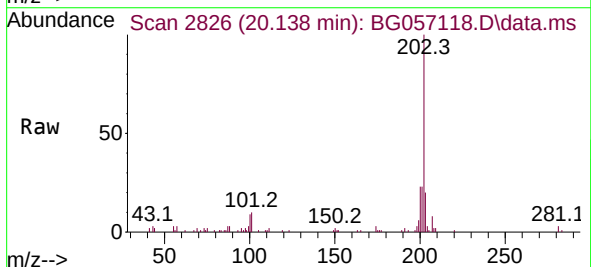
Tgt Ion:240 Resp: 95517
Ion Ratio Lower Upper
240 100
120 6.7 3.8 5.6
236 26.6 21.0 31.6

Manual Integrations
APPROVED

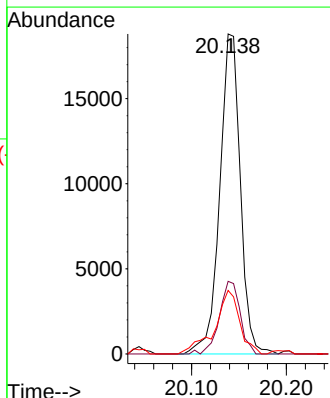
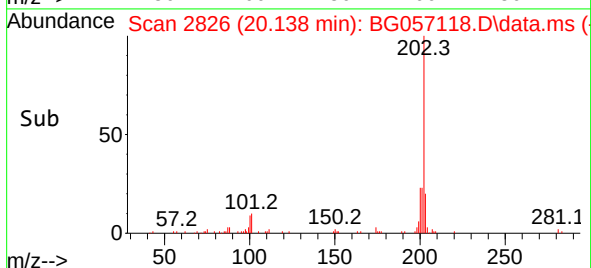
Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023

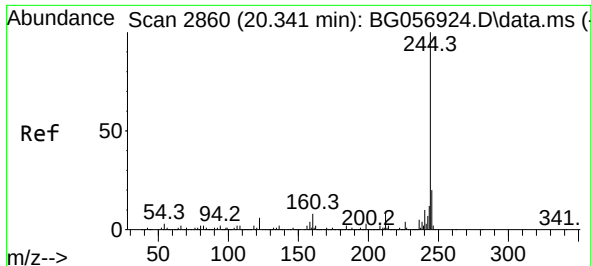


#78
Pyrene
Concen: 4.296 ng
RT: 20.138 min Scan# 2826
Delta R.T. -0.010 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51



Tgt Ion:202 Resp: 28384
Ion Ratio Lower Upper
202 100
200 22.7 18.7 28.1
203 19.9 15.4 23.2





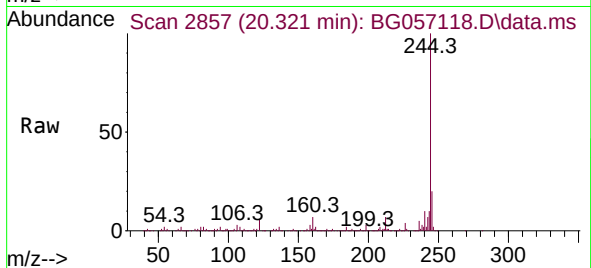
#79
 Terphenyl-d14
 Concen: 64.706 ng
 RT: 20.321 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG057118.D
 Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

P2-S1-230413

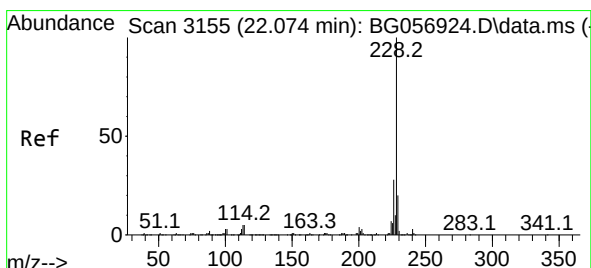
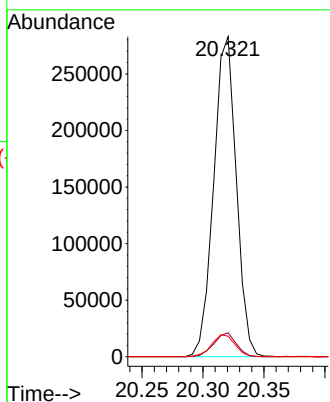
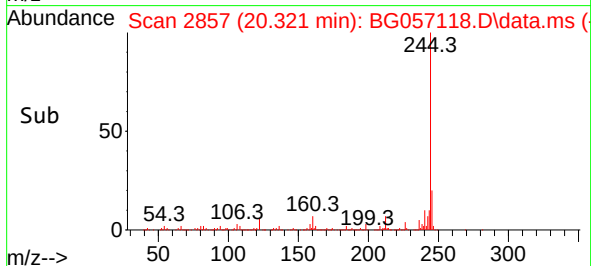


Tgt Ion:244 Resp: 365240
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 6.4 5.0 7.4

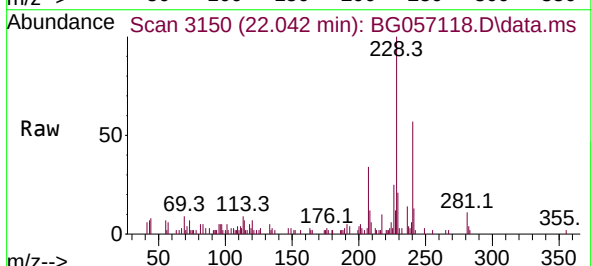
Manual Integrations

APPROVED

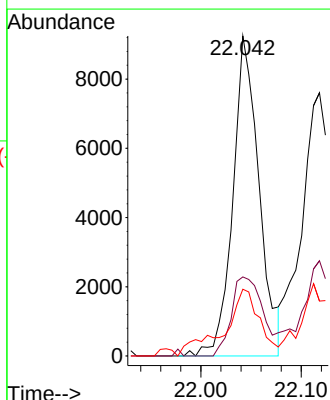
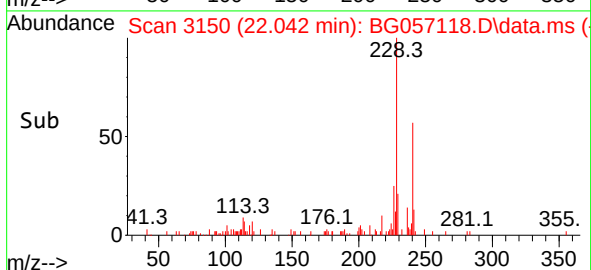
Reviewed By :Christian Giraldo 04/18/2023
 Supervised By :Jagrut Upadhyay 04/18/2023

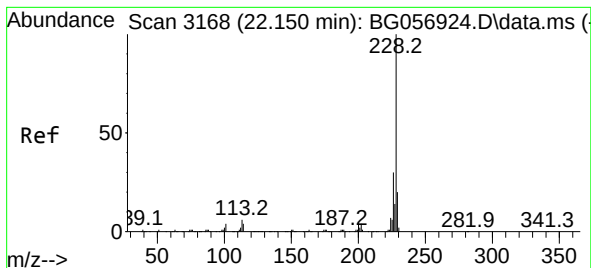


#81
 Benzo(a)anthracene
 Concen: 2.538 ng
 RT: 22.042 min Scan# 3150
 Delta R.T. -0.016 min
 Lab File: BG057118.D
 Acq: 17 Apr 2023 19:51



Tgt Ion:228 Resp: 16775
 Ion Ratio Lower Upper
 228 100
 226 24.7 22.1 33.1
 229 20.9 16.1 24.1





#83

Chrysene

Concen: 2.527 ng m

RT: 22.118 min Scan# 3163

Delta R.T. -0.010 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

Instrument :

BNA_G

ClientSampleId :

P2-S1-230413

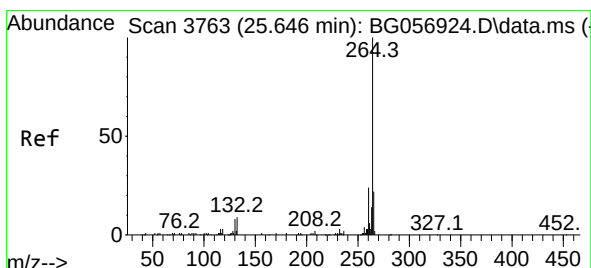
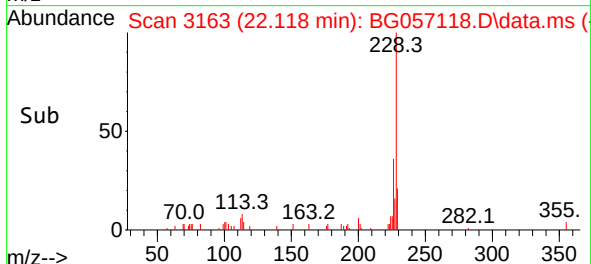
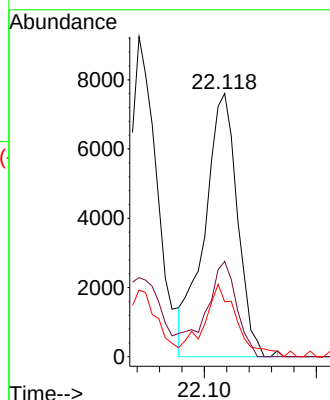
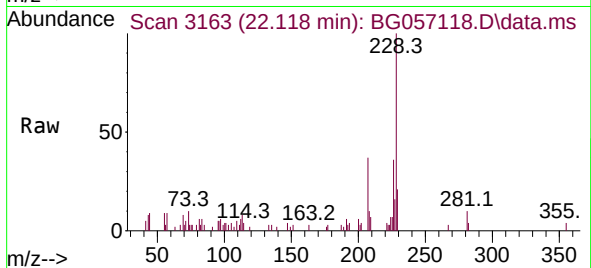
Tgt Ion:	228	Resp:	15640
Ion Ratio	Lower	Upper	
228	100		
226	36.2	24.1	36.1
229	20.9	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/18/2023

Supervised By :Jagrut Upadhyay 04/18/2023



#86

Perylene-d12

Concen: 20.000 ng

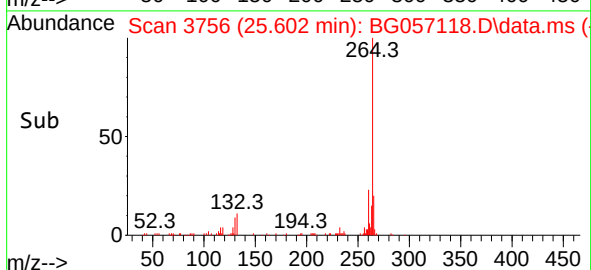
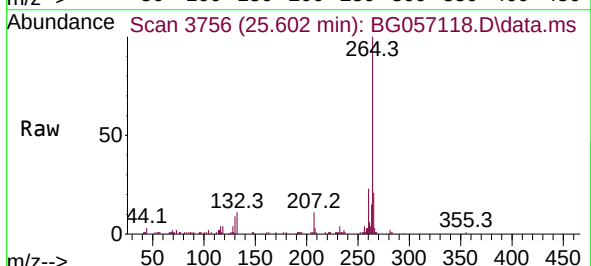
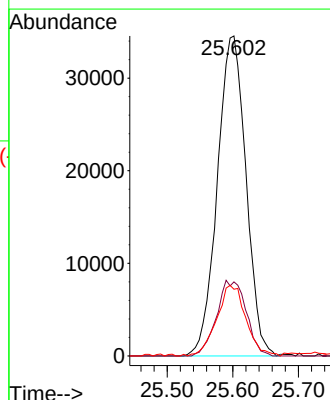
RT: 25.602 min Scan# 3756

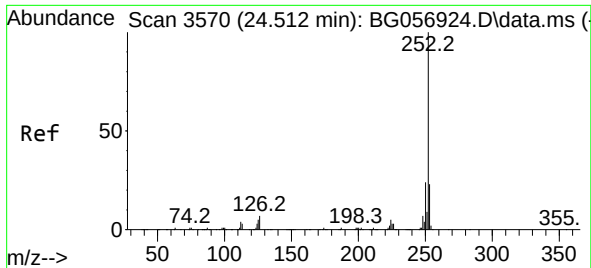
Delta R.T. -0.010 min

Lab File: BG057118.D

Acq: 17 Apr 2023 19:51

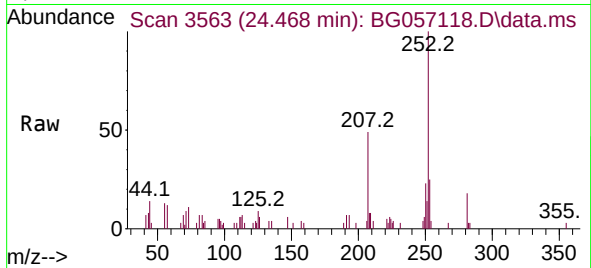
Tgt Ion:	264	Resp:	104637
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.0	28.4
265	20.9	17.8	26.6





#88
Benzo(b)fluoranthene
Concen: 3.218 ng
RT: 24.468 min Scan# 31
Delta R.T. -0.016 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51

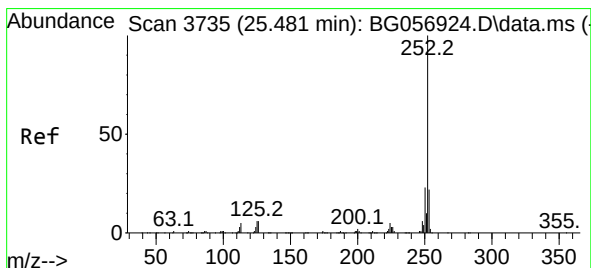
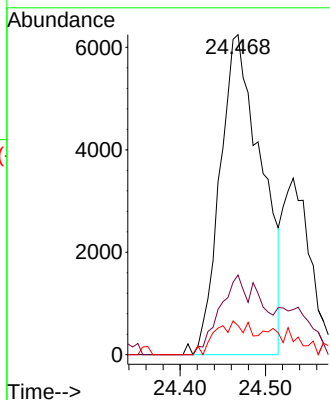
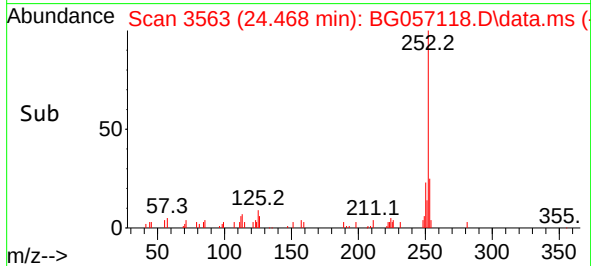
Instrument :
BNA_G
ClientSampleId :
P2-S1-230413



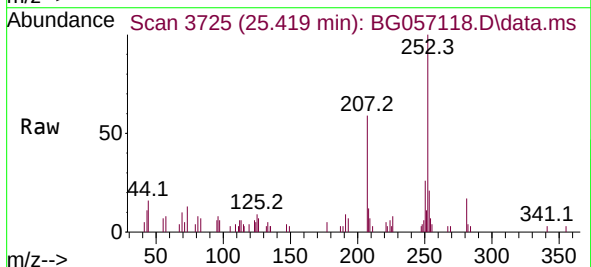
Tgt Ion:252 Resp: 21054
Ion Ratio Lower Upper
252 100
253 24.9 18.1 27.1
125 9.1 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/18/2023
Supervised By :Jagrut Upadhyay 04/18/2023



#90
Benzo(a)pyrene
Concen: 2.485 ng
RT: 25.419 min Scan# 3725
Delta R.T. -0.033 min
Lab File: BG057118.D
Acq: 17 Apr 2023 19:51



Tgt Ion:252 Resp: 15981
Ion Ratio Lower Upper
252 100
253 20.8 17.6 26.4
125 9.3 4.5 6.7

