

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
 Data File : BG057018.D
 Acq On : 6 Apr 2023 19:01
 Operator : CG/JU
 Sample : 02126-06DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-FDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2023
 Supervised By : Jagrut Upadhyay 04/07/2023

Quant Time: Apr 07 01:39:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 07 01:33:41 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.411	152	20064	20.000	ng	0.00
21) Naphthalene-d8	11.248	136	75995	20.000	ng	0.00
39) Acenaphthene-d10	15.019	164	55133	20.000	ng	0.00
64) Phenanthrene-d10	17.757	188	123692	20.000	ng	0.00
76) Chrysene-d12	22.080	240	109986	20.000	ng	0.00
86) Perylene-d12	25.617	264	117503	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.920	112	25182	20.087	ng	0.00
7) Phenol-d6	7.541	99	36826	19.641	ng	0.00
23) Nitrobenzene-d5	9.586	82	24313	13.091	ng	0.00
42) 2,4,6-Tribromophenol	16.500	330	17484	19.851	ng	0.00
45) 2-Fluorobiphenyl	13.645	172	53081	13.055	ng	0.00
79) Terphenyl-d14	20.324	244	85841	13.207	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.804	178	90348	14.326	ng	98
72) Anthracene	17.892	178	20011	3.095	ng	98
75) Fluoranthene	19.789	202	186654	23.348	ng	100
78) Pyrene	20.154	202	161319	21.206	ng	98
81) Benzo(a)anthracene	22.057	228	85609	11.248	ng	99
83) Chrysene	22.127	228	76101	10.679	ng	98
87) Indeno(1,2,3-cd)pyrene	29.700	276	55850	6.431	ng	# 95
88) Benzo(b)fluoranthene	24.483	252	103544m	14.092	ng	
89) Benzo(k)fluoranthene	24.554	252	39805m	5.426	ng	
90) Benzo(a)pyrene	25.452	252	81723	11.318	ng	99
91) Dibenzo(a,h)anthracene	29.747	278	15562m	2.180	ng	
92) Benzo(g,h,i)perylene	30.980	276	52982	7.580	ng	# 92

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

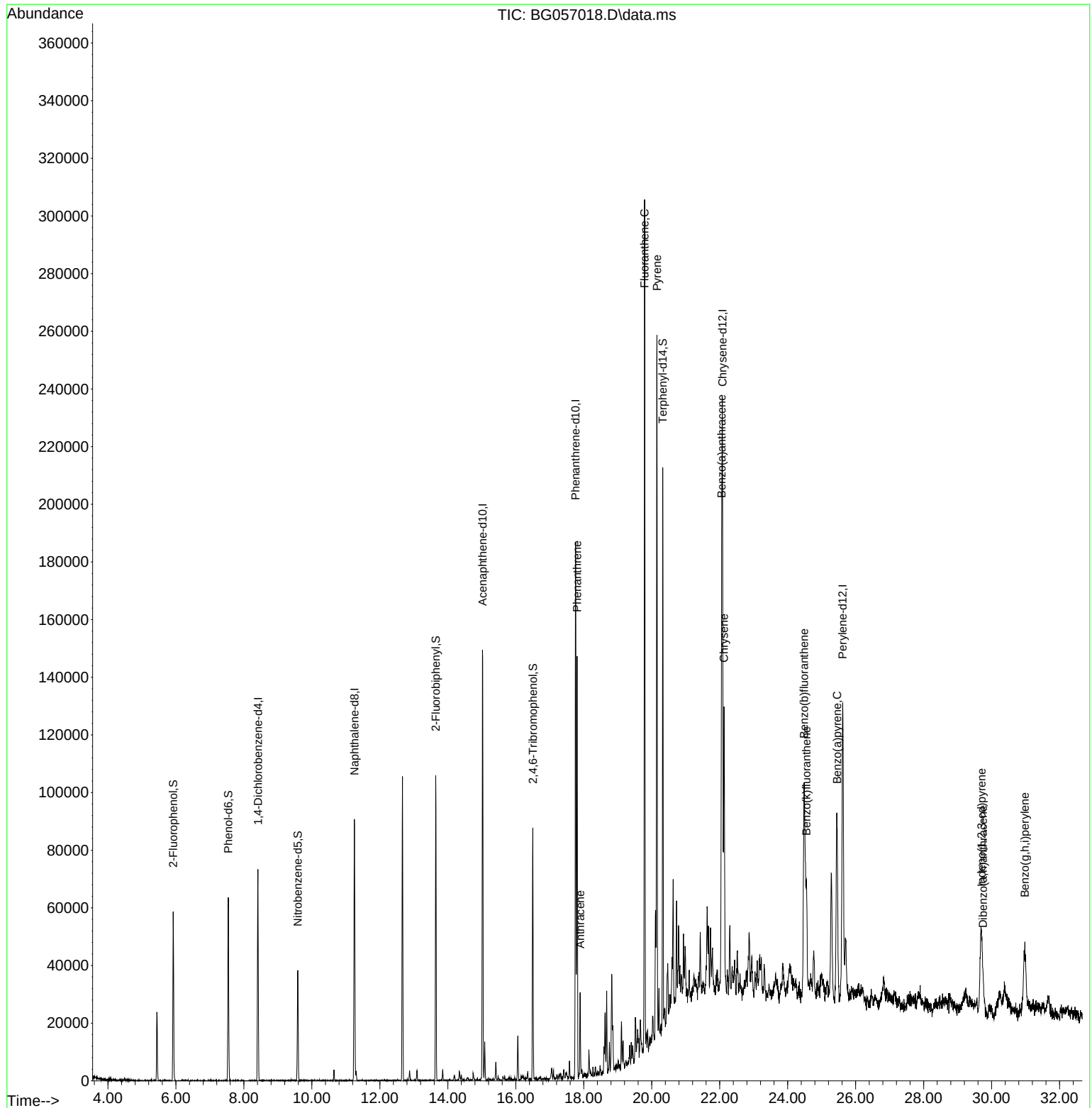
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040623\
Data File : BG057018.D
Acq On : 6 Apr 2023 19:01
Operator : CG/JU
Sample : 02126-06DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

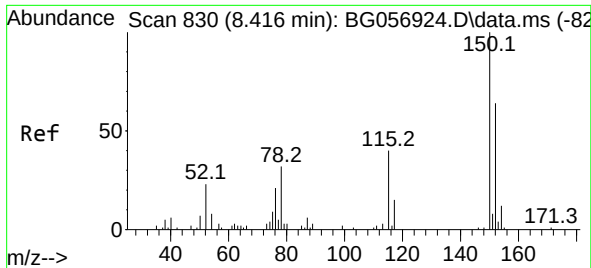
Instrument :
BNA_G
ClientSampleId :
RS-FDL

Quant Time: Apr 07 01:39:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 07 01:33:41 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

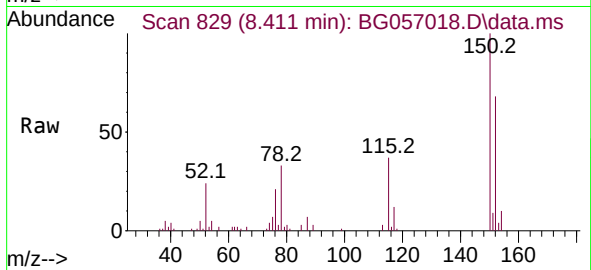
Reviewed By : Christian Giraldo 04/07/2023
Supervised By : Jagrut Upadhyay 04/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.411 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

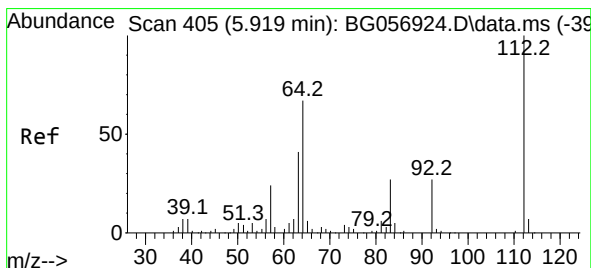
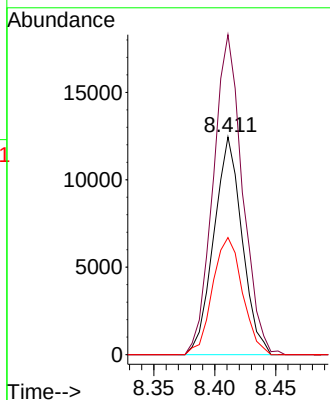
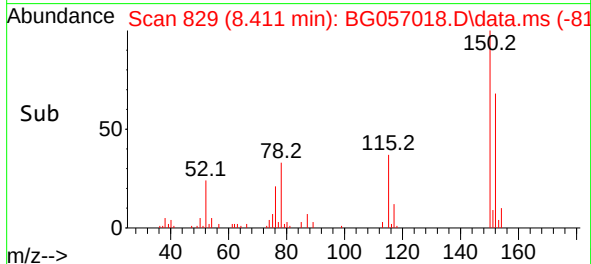
Instrument :
BNA_G
ClientSampleId :
RS-FDL



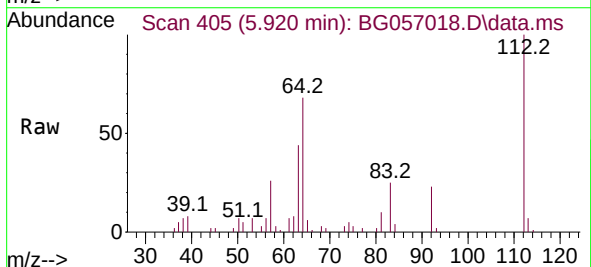
Tgt Ion:152 Resp: 20064
Ion Ratio Lower Upper
152 100
150 147.0 124.1 186.1
115 53.7 49.1 73.7

Manual Integrations
APPROVED

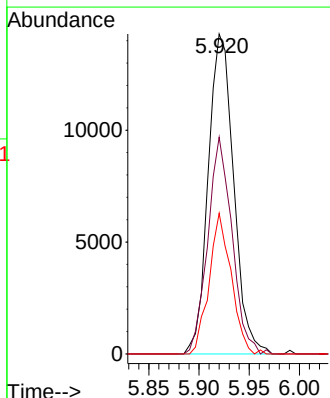
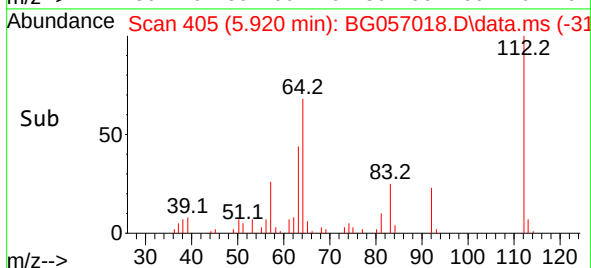
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

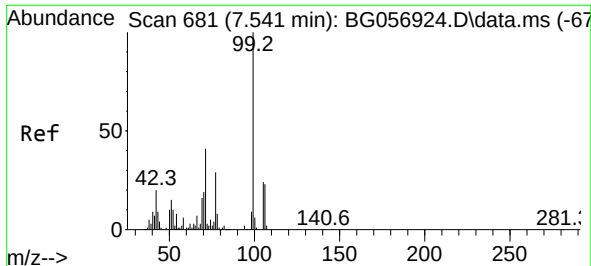


#5
2-Fluorophenol
Concen: 20.087 ng
RT: 5.920 min Scan# 405
Delta R.T. 0.003 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01



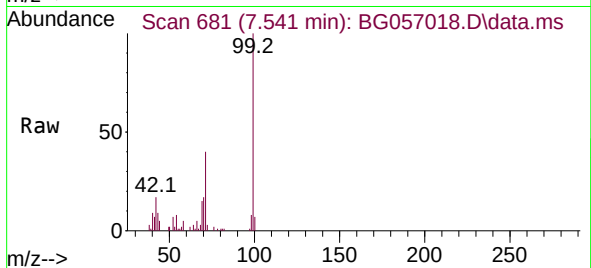
Tgt Ion:112 Resp: 25182
Ion Ratio Lower Upper
112 100
64 67.7 53.2 79.8
63 43.9 32.6 48.8





#7
Phenol-d6
Concen: 19.641 ng
RT: 7.541 min Scan# 681
Delta R.T. -0.002 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

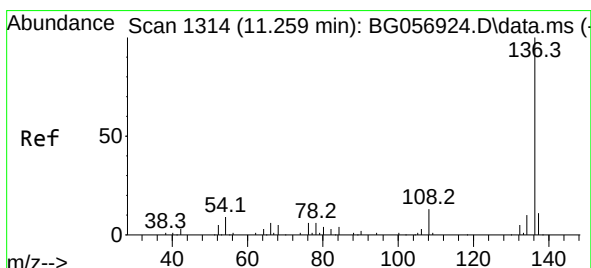
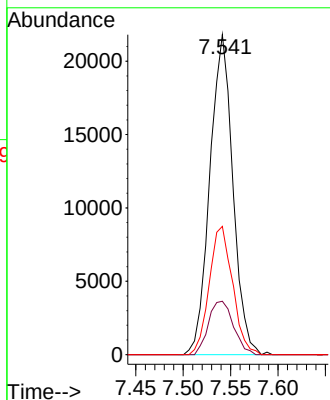
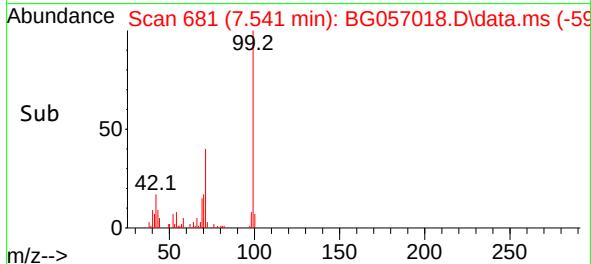
Instrument :
BNA_G
ClientSampleId :
RS-FDL



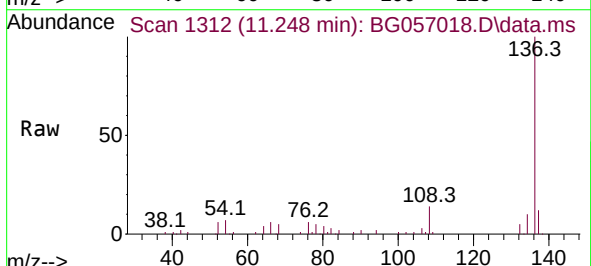
Tgt Ion: 99 Resp: 36826
Ion Ratio Lower Upper
99 100
42 16.7 15.7 23.5
71 40.1 32.5 48.7

Manual Integrations
APPROVED

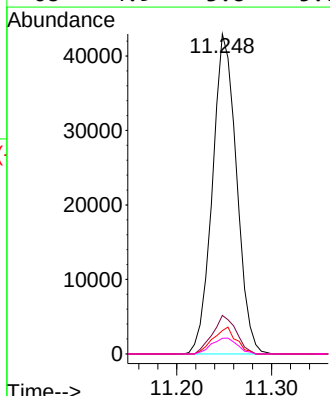
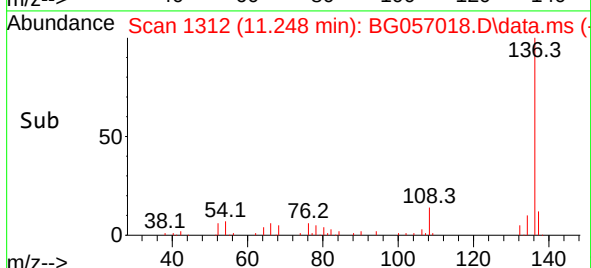
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023

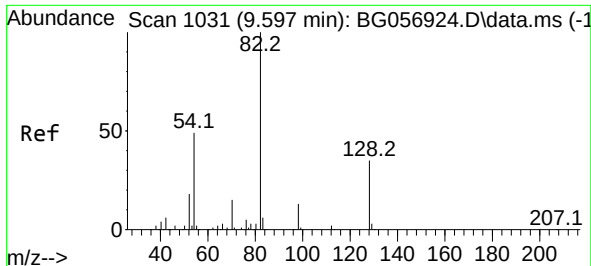


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.248 min Scan# 1312
Delta R.T. -0.002 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01



Tgt Ion:136 Resp: 75995
Ion Ratio Lower Upper
136 100
137 12.0 8.6 13.0
54 7.3 6.9 10.3
68 4.9 3.8 5.6





#23

Nitrobenzene-d5

Concen: 13.091 ng

RT: 9.586 min Scan# 1029

Delta R.T. -0.008 min

Lab File: BG057018.D

Acq: 6 Apr 2023 19:01

Instrument :

BNA_G

ClientSampleId :

RS-FDL

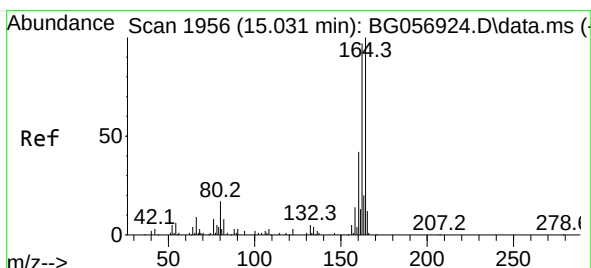
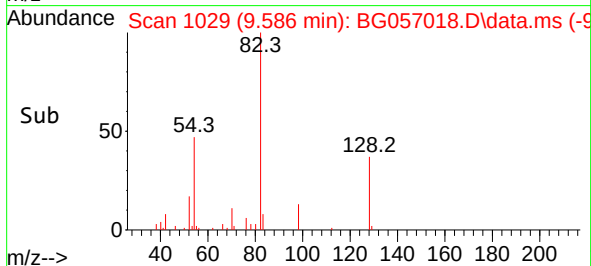
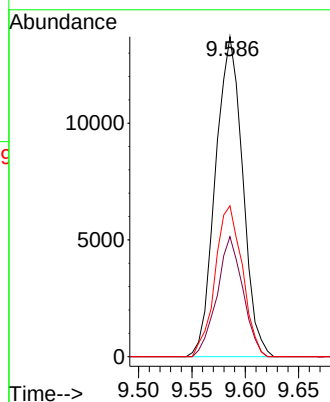
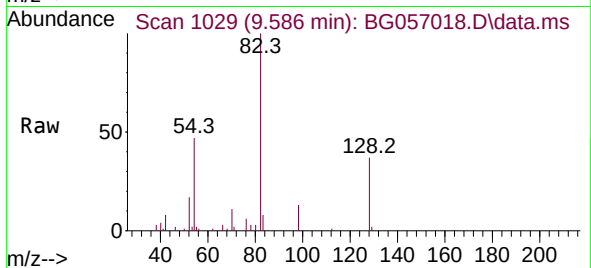
Tgt Ion:	82	Resp:	2431
Ion Ratio	Lower	Upper	
82	100		
128	37.5	27.9	41.9
54	47.1	39.4	59.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2023

Supervised By :Jagrut Upadhyay 04/07/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

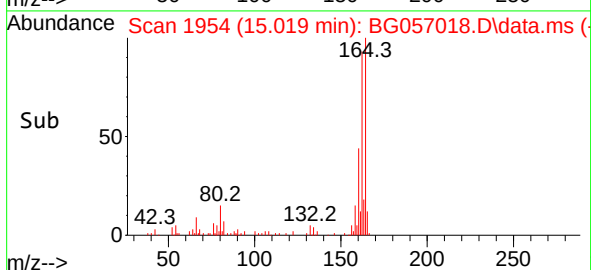
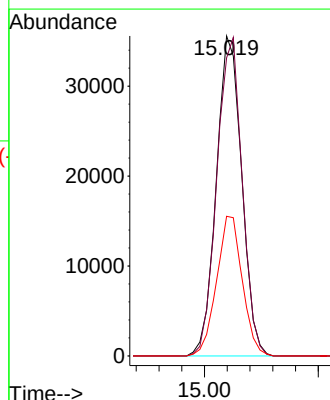
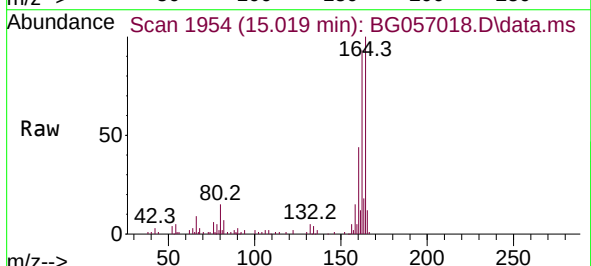
RT: 15.019 min Scan# 1954

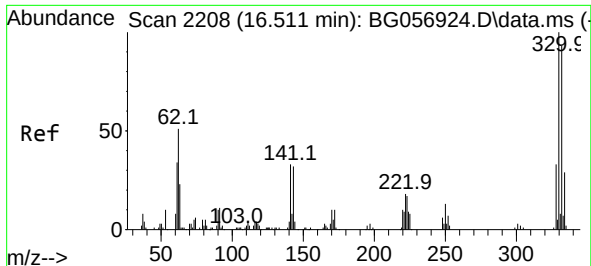
Delta R.T. -0.008 min

Lab File: BG057018.D

Acq: 6 Apr 2023 19:01

Tgt Ion:	164	Resp:	55133
Ion Ratio	Lower	Upper	
164	100		
162	93.1	77.8	116.8
160	43.6	33.5	50.3





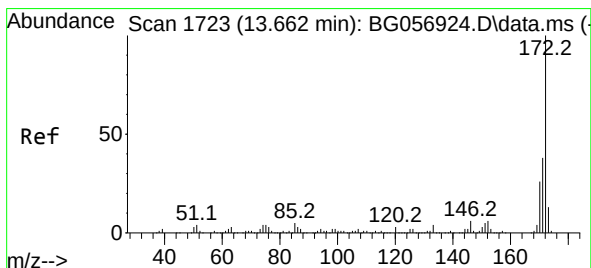
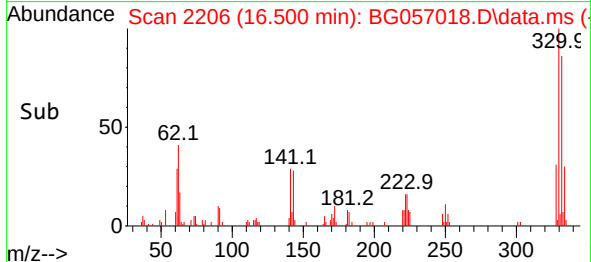
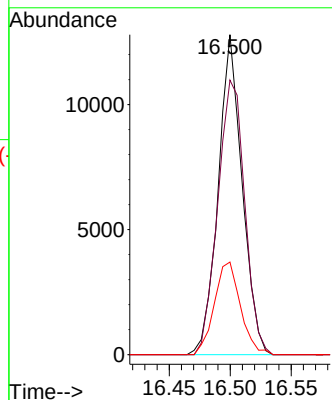
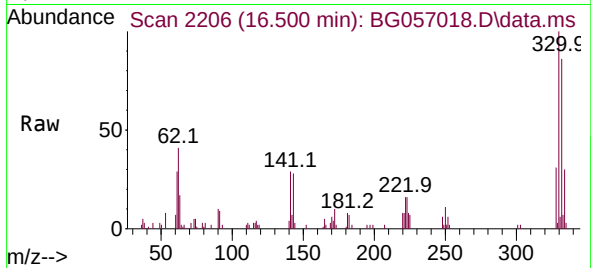
#42
2,4,6-Tribromophenol
Concen: 19.851 ng
RT: 16.500 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

Instrument :
BNA_G
ClientSampleId :
RS-FDL

Tgt Ion:330 Resp: 17484
Ion Ratio Lower Upper
330 100
332 96.5 76.1 114.1
141 31.5 25.8 38.6

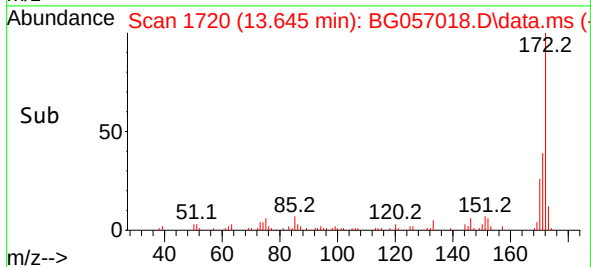
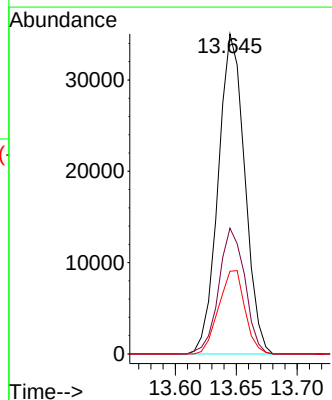
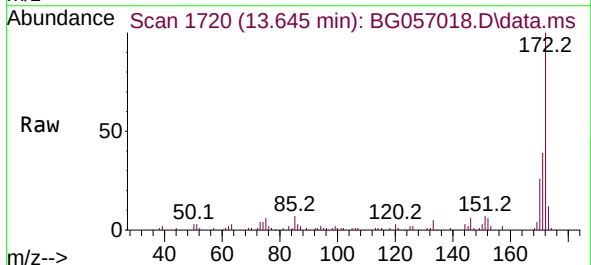
Manual Integrations
APPROVED

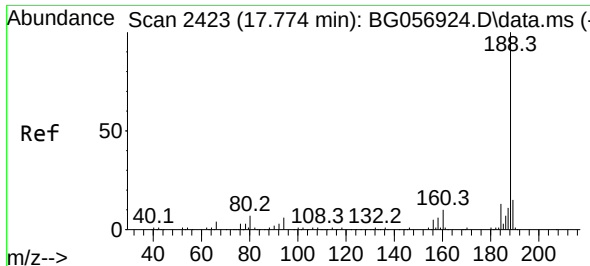
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#45
2-Fluorobiphenyl
Concen: 13.055 ng
RT: 13.645 min Scan# 1720
Delta R.T. -0.008 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

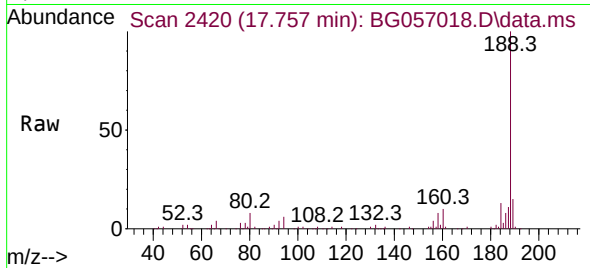
Tgt Ion:172 Resp: 53081
Ion Ratio Lower Upper
172 100
171 39.3 30.6 46.0
170 25.8 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.757 min Scan# 2420
Delta R.T. -0.008 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

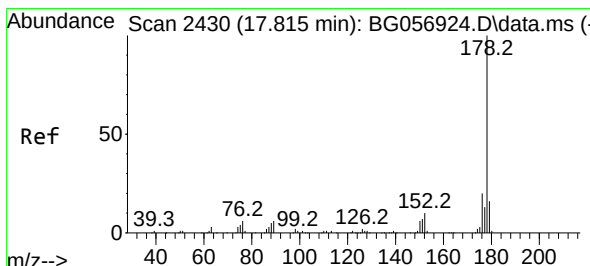
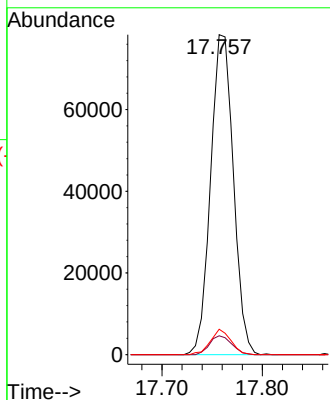
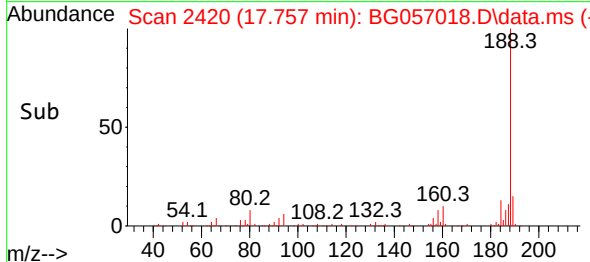
Instrument :
BNA_G
ClientSampleId :
RS-FDL



Tgt Ion:188 Resp: 123692
Ion Ratio Lower Upper
188 100
94 5.9 4.6 6.8
80 7.9 5.5 8.3

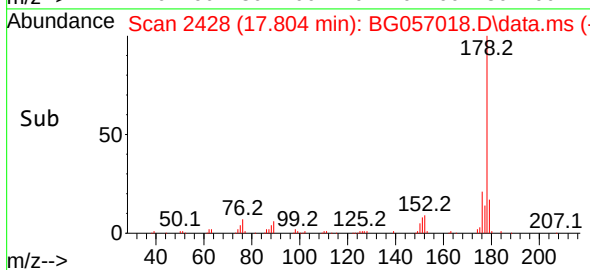
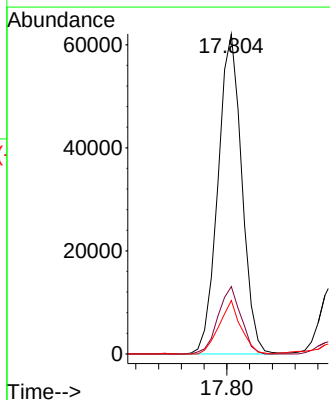
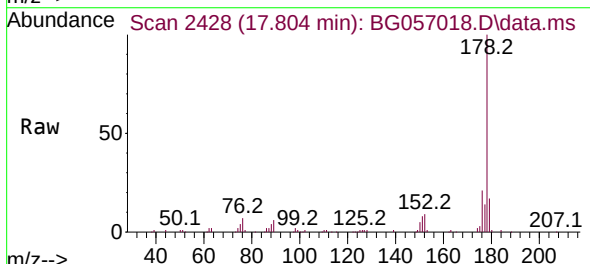
Manual Integrations
APPROVED

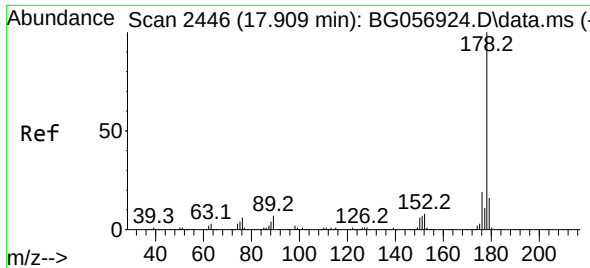
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#71
Phenanthrene
Concen: 14.326 ng
RT: 17.804 min Scan# 2428
Delta R.T. -0.002 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

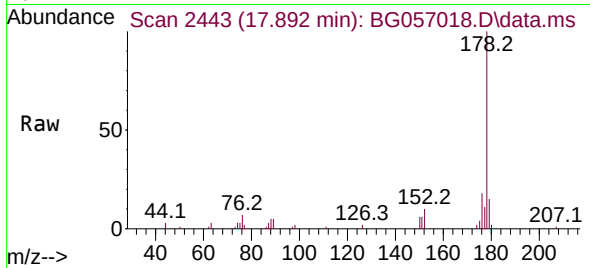
Tgt Ion:178 Resp: 90348
Ion Ratio Lower Upper
178 100
176 21.0 16.2 24.2
179 16.7 12.5 18.7





#72
 Anthracene
 Concen: 3.095 ng
 RT: 17.892 min Scan# 2443
 Delta R.T. -0.008 min
 Lab File: BG057018.D
 Acq: 6 Apr 2023 19:01

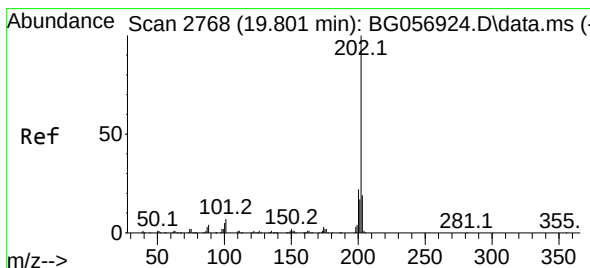
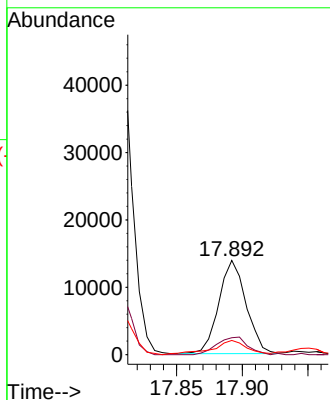
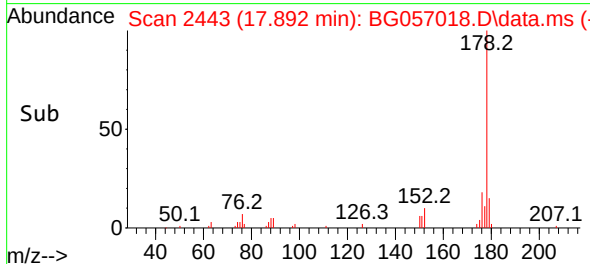
Instrument :
 BNA_G
 ClientSampleId :
 RS-FDL



Tgt Ion:178 Resp: 2001
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.4 23.2
 179 15.1 12.4 18.6

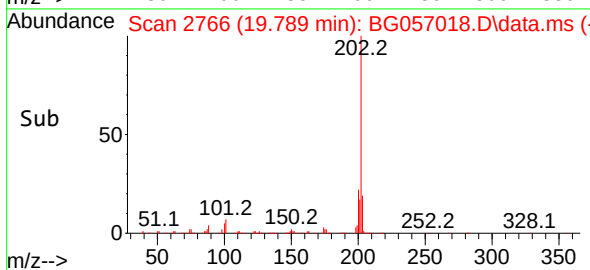
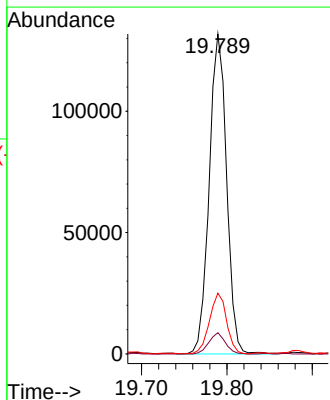
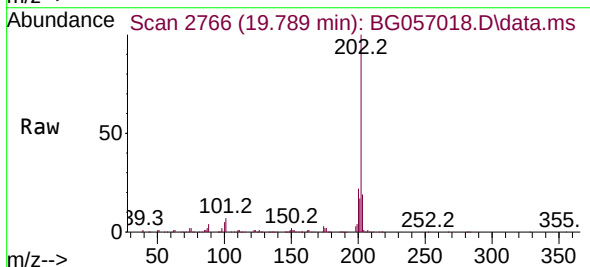
Manual Integrations
 APPROVED

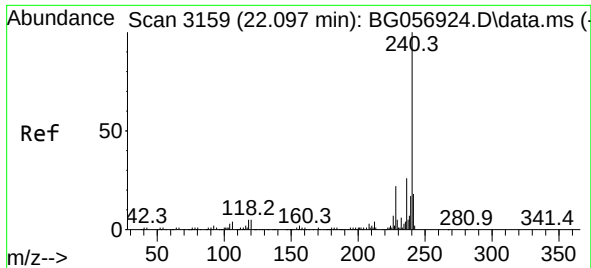
Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023



#75
 Fluoranthene
 Concen: 23.348 ng
 RT: 19.789 min Scan# 2766
 Delta R.T. -0.002 min
 Lab File: BG057018.D
 Acq: 6 Apr 2023 19:01

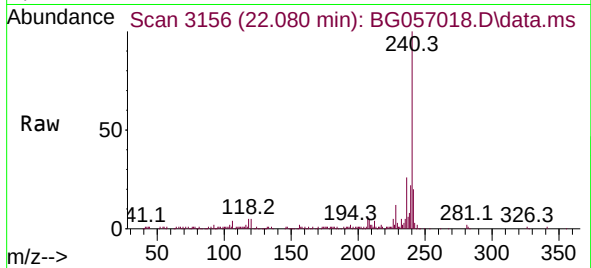
Tgt Ion:202 Resp: 186654
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 26.7
 203 19.0 0.0 39.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.080 min Scan# 3159
Delta R.T. -0.008 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

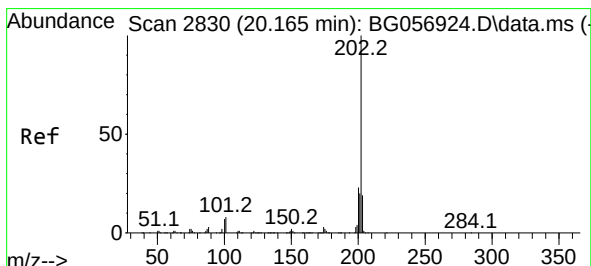
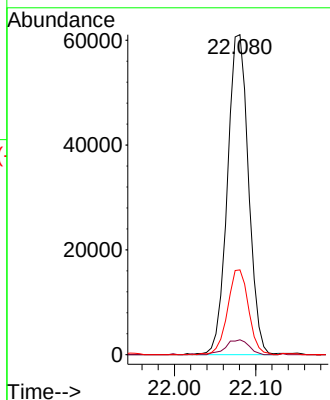
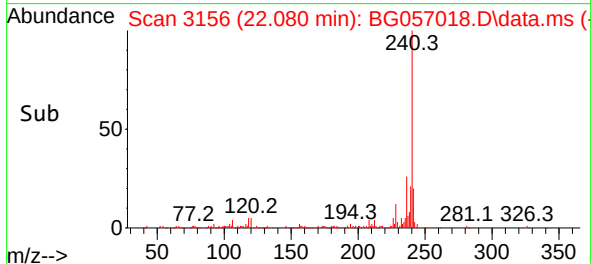
Instrument :
BNA_G
ClientSampleId :
RS-FDL



Tgt Ion:240 Resp: 109986
Ion Ratio Lower Upper
240 100
120 4.7 3.8 5.6
236 26.5 21.0 31.6

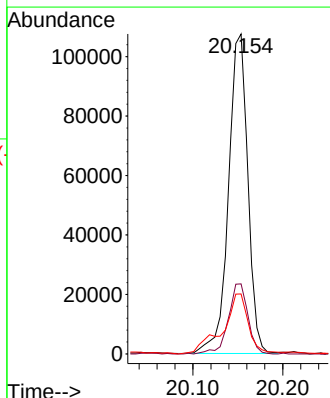
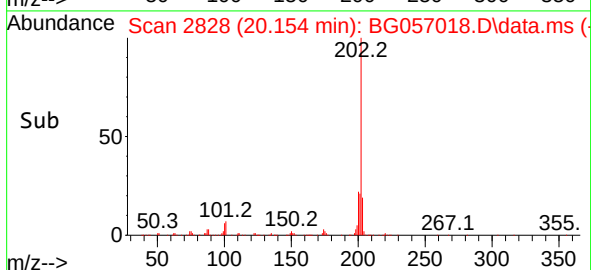
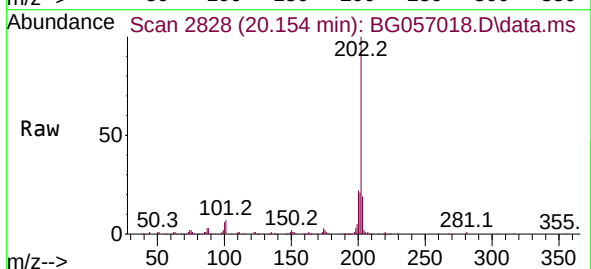
Manual Integrations
APPROVED

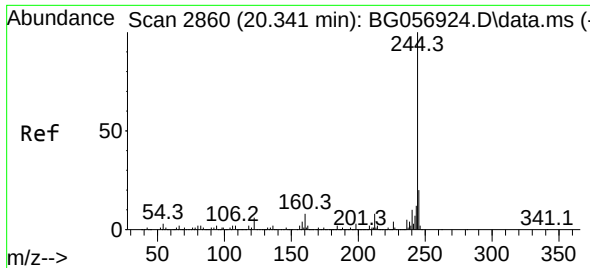
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#78
Pyrene
Concen: 21.206 ng
RT: 20.154 min Scan# 2828
Delta R.T. 0.004 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

Tgt Ion:202 Resp: 161319
Ion Ratio Lower Upper
202 100
200 21.9 18.7 28.1
203 18.7 15.4 23.2





#79
 Terphenyl-d14
 Concen: 13.207 ng
 RT: 20.324 min Scan# 2860
 Delta R.T. -0.008 min
 Lab File: BG057018.D
 Acq: 6 Apr 2023 19:01

Instrument :

BNA_G

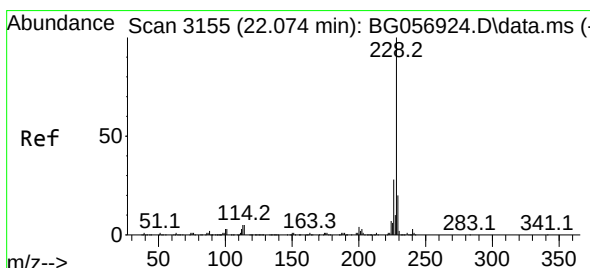
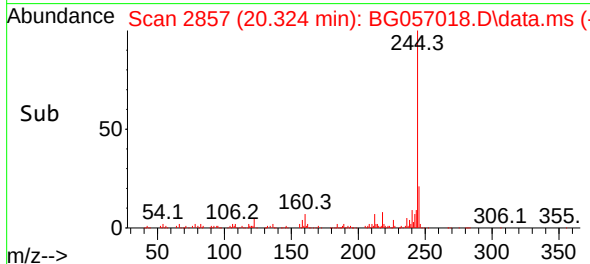
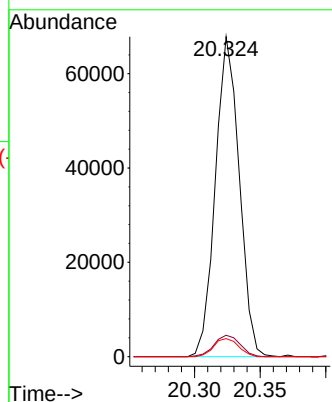
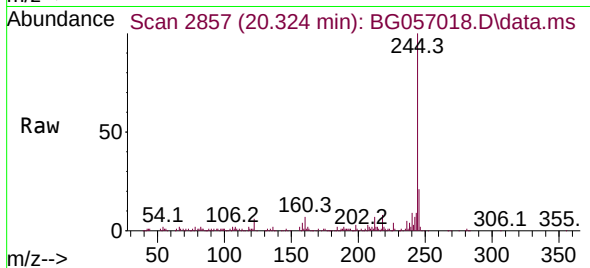
ClientSampleId :

RS-FDL

Tgt Ion:244 Resp: 8584
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 5.6 5.0 7.4

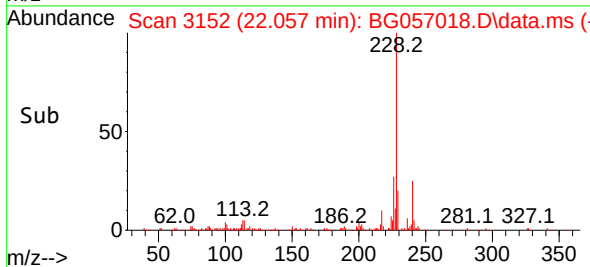
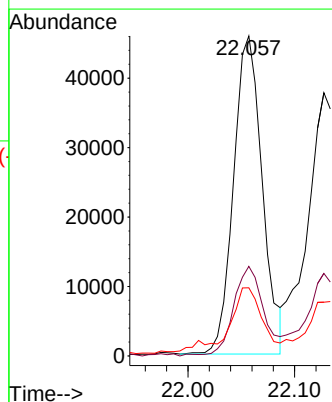
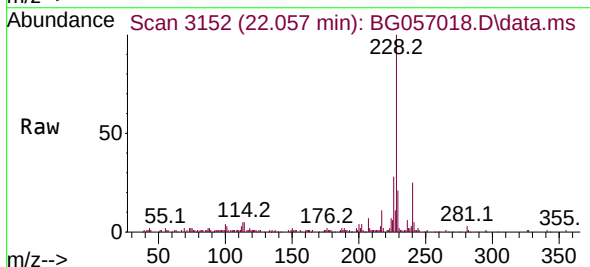
Manual Integrations
 APPROVED

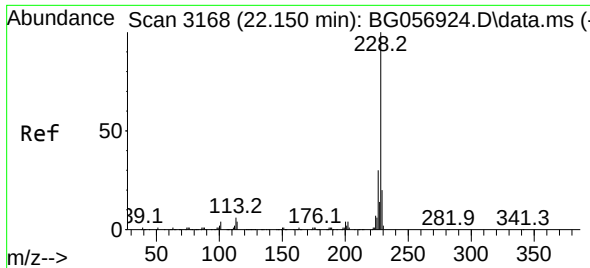
Reviewed By :Christian Giraldo 04/07/2023
 Supervised By :Jagrut Upadhyay 04/07/2023



#81
 Benzo(a)anthracene
 Concen: 11.248 ng
 RT: 22.057 min Scan# 3152
 Delta R.T. -0.008 min
 Lab File: BG057018.D
 Acq: 6 Apr 2023 19:01

Tgt Ion:228 Resp: 85609
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.1 33.1
 229 21.3 16.1 24.1





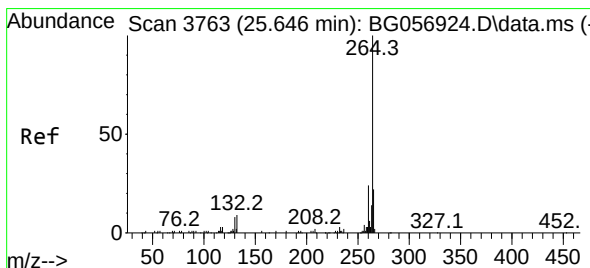
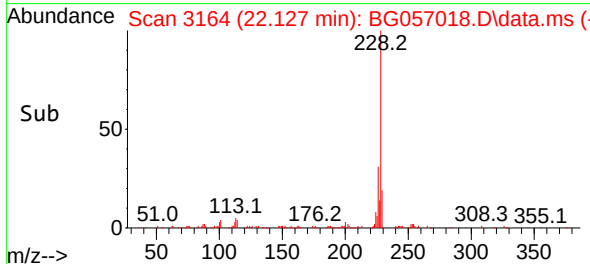
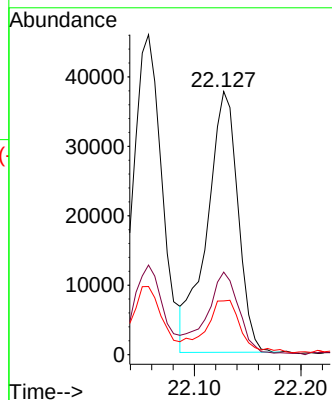
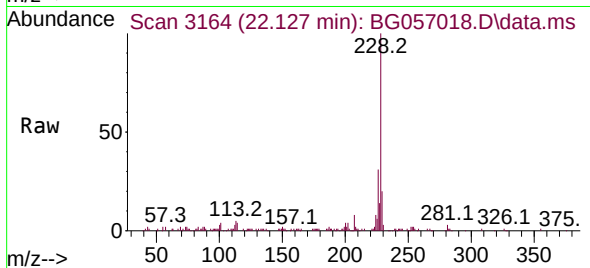
#83
Chrysene
Concen: 10.679 ng
RT: 22.127 min Scan# 3164
Delta R.T. -0.008 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

Instrument :
BNA_G
ClientSampleId :
RS-FDL

Tgt Ion:228 Resp: 76101
Ion Ratio Lower Upper
228 100
226 31.4 24.1 36.1
229 20.4 15.6 23.4

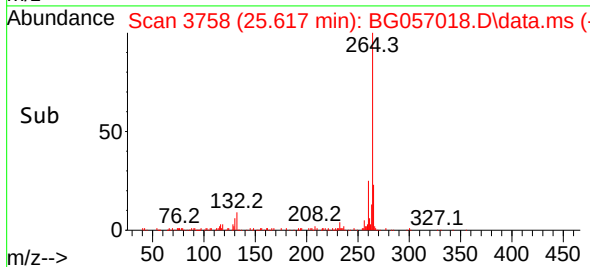
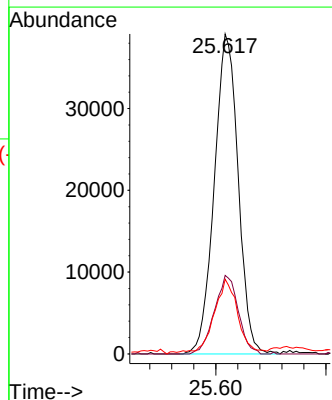
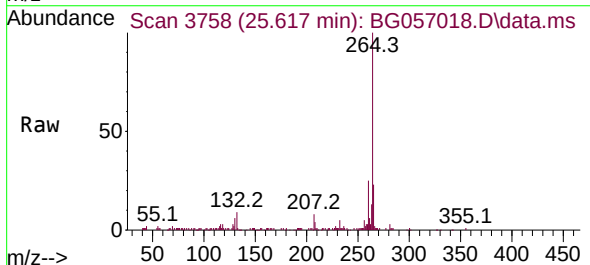
Manual Integrations
APPROVED

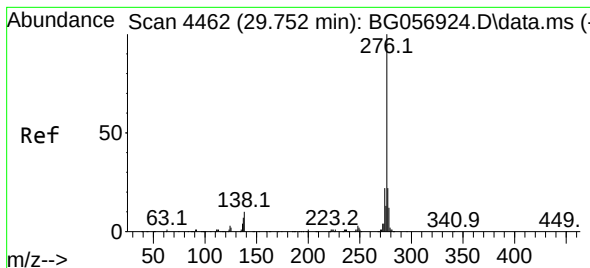
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.617 min Scan# 3758
Delta R.T. -0.008 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

Tgt Ion:264 Resp: 117503
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.4
265 23.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.431 ng

RT: 29.700 min Scan# 4462

Delta R.T. -0.026 min

Lab File: BG057018.D

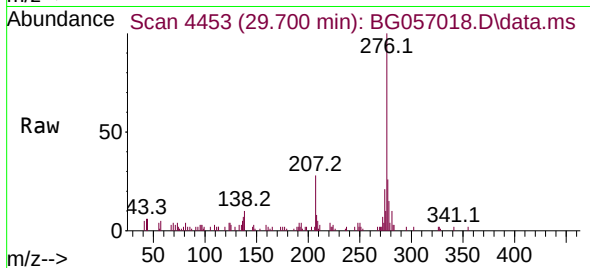
Acq: 6 Apr 2023 19:01

Instrument :

BNA_G

ClientSampleId :

RS-FDL



Tgt Ion:276 Resp: 55850

Ion Ratio Lower Upper

276 100

138 4.6 7.7 11.5

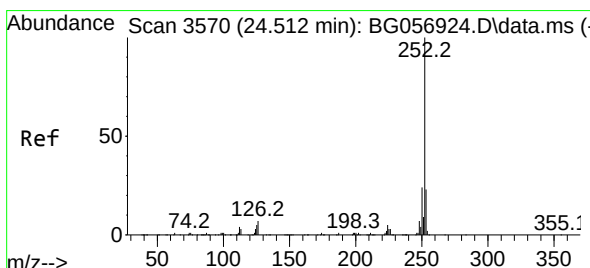
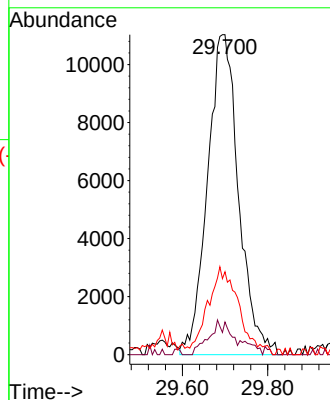
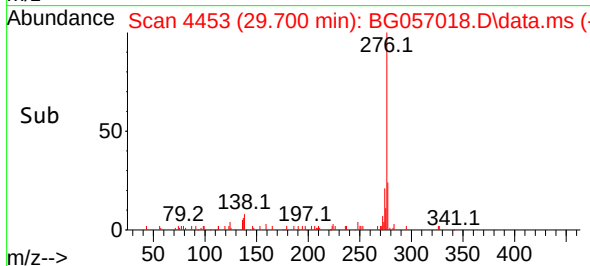
277 27.2 21.0 31.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2023

Supervised By :Jagrut Upadhyay 04/07/2023



#88

Benzo(b)fluoranthene

Concen: 14.092 ng m

RT: 24.483 min Scan# 3565

Delta R.T. -0.008 min

Lab File: BG057018.D

Acq: 6 Apr 2023 19:01

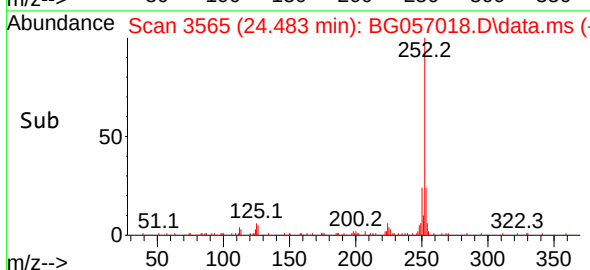
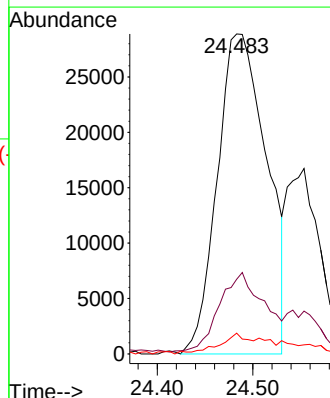
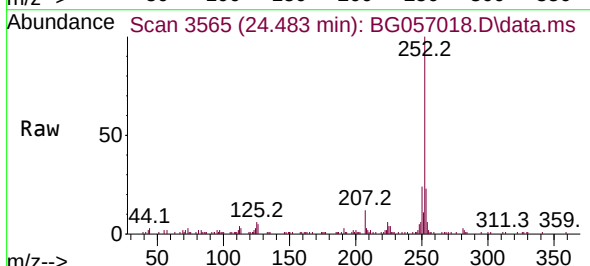
Tgt Ion:252 Resp: 103544

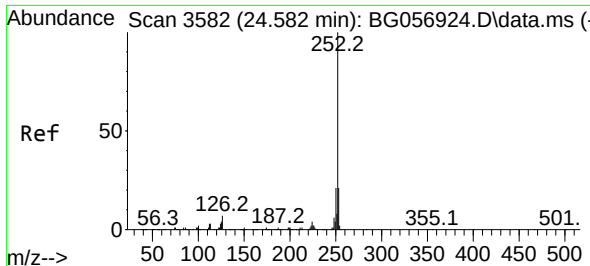
Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

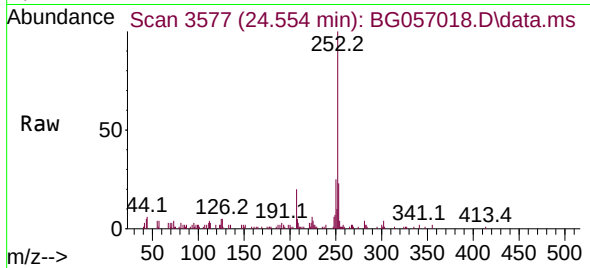
125 6.5 4.2 6.4





#89
Benzo(k)fluoranthene
Concen: 5.426 ng m
RT: 24.554 min Scan# 31
Delta R.T. -0.014 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

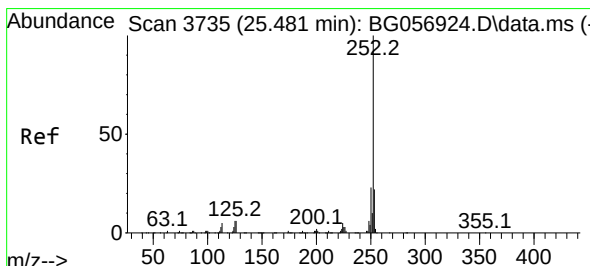
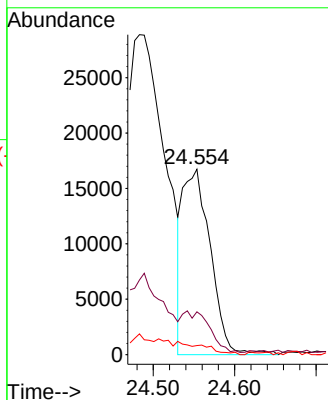
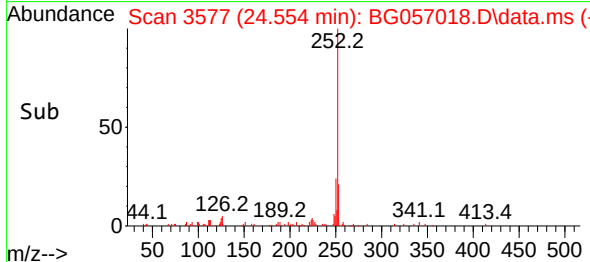
Instrument :
BNA_G
ClientSampleId :
RS-FDL



Tgt Ion:252 Resp: 39805
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 4.9 3.8 5.6

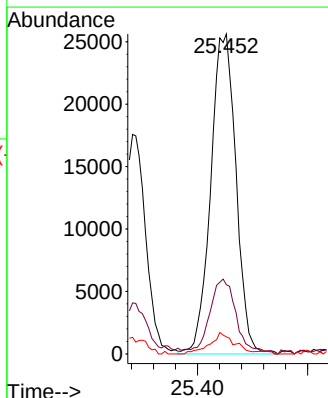
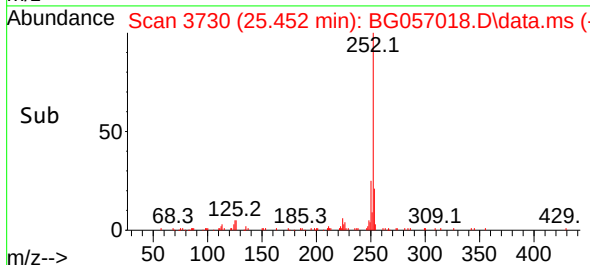
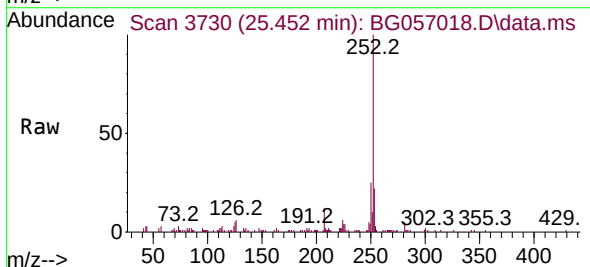
Manual Integrations
APPROVED

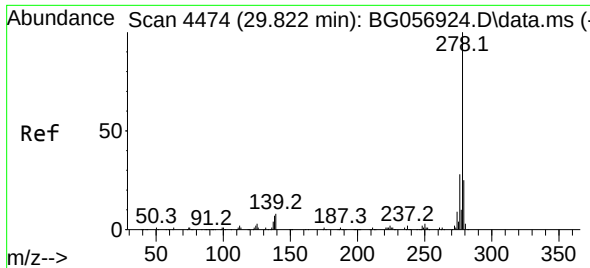
Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#90
Benzo(a)pyrene
Concen: 11.318 ng
RT: 25.452 min Scan# 3730
Delta R.T. -0.008 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

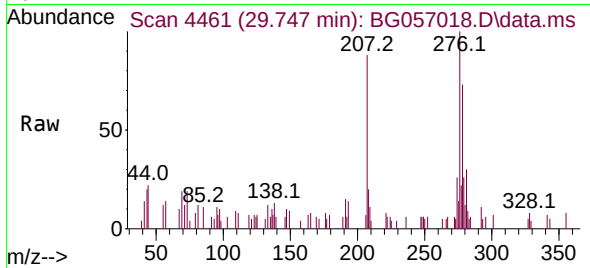
Tgt Ion:252 Resp: 81723
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 5.3 4.5 6.7





#91
Dibenzo(a,h)anthracene
Concen: 2.180 ng m
RT: 29.747 min Scan# 4474
Delta R.T. -0.043 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01

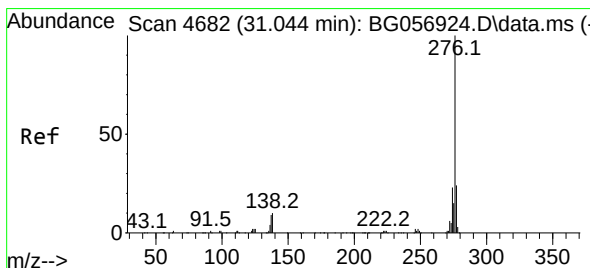
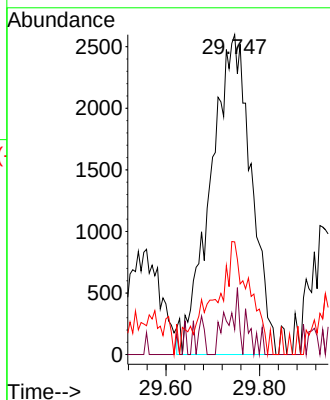
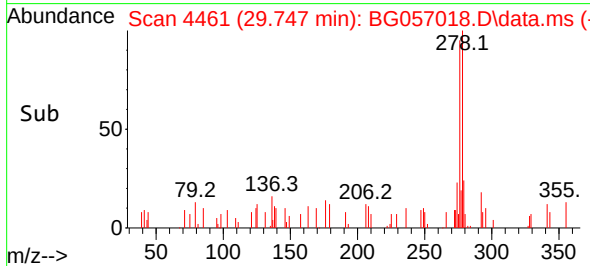
Instrument :
BNA_G
ClientSampleId :
RS-FDL



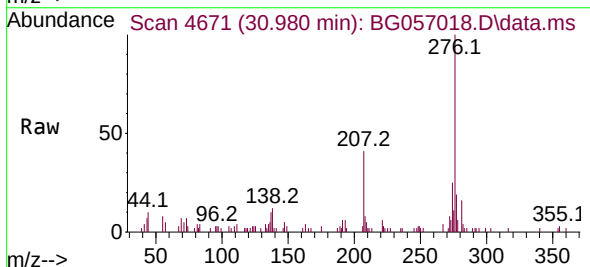
Tgt Ion:278 Resp: 15562
Ion Ratio Lower Upper
278 100
139 7.9 6.4 9.6
279 35.2 20.2 30.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/07/2023
Supervised By :Jagrut Upadhyay 04/07/2023



#92
Benzo(g,h,i)perylene
Concen: 7.580 ng
RT: 30.980 min Scan# 4671
Delta R.T. -0.032 min
Lab File: BG057018.D
Acq: 6 Apr 2023 19:01



Tgt Ion:276 Resp: 52982
Ion Ratio Lower Upper
276 100
277 19.1 19.1 28.7#
138 12.1 8.2 12.2

