

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
 Data File : BG057005.D
 Acq On : 6 Apr 2023 00:48
 Operator : CG/JU
 Sample : 02126-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RS-B

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/06/2023
 Supervised By : Jagrut Upadhyay 04/06/2023

Quant Time: Apr 06 03:00:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 01:57:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.413	152	21582	20.000	ng	0.00
21) Naphthalene-d8	11.256	136	86921	20.000	ng	# 0.00
39) Acenaphthene-d10	15.028	164	57838	20.000	ng	0.00
64) Phenanthrene-d10	17.771	188	118217	20.000	ng	0.00
76) Chrysene-d12	22.089	240	99692	20.000	ng	0.00
86) Perylene-d12	25.649	264	99716	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.922	112	26426	19.597	ng	0.00
7) Phenol-d6	7.544	99	39329	19.500	ng	0.00
23) Nitrobenzene-d5	9.588	82	26037	12.257	ng	0.00
42) 2,4,6-Tribromophenol	16.508	330	16855	18.242	ng	0.00
45) 2-Fluorobiphenyl	13.653	172	58679	13.757	ng	0.00
79) Terphenyl-d14	20.332	244	78237	13.280	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.812	178	16132	2.677	ng	95
75) Fluoranthene	19.798	202	52468	6.867	ng	99
78) Pyrene	20.156	202	54421	7.893	ng	97
81) Benzo(a)anthracene	22.071	228	30243m	4.384	ng	
83) Chrysene	22.142	228	34892m	5.402	ng	
87) Indeno(1,2,3-cd)pyrene	29.737	276	24543m	3.330	ng	
88) Benzo(b)fluoranthene	24.503	252	53343	8.555	ng	# 88
89) Benzo(k)fluoranthene	24.574	252	22710m	3.648	ng	
90) Benzo(a)pyrene	25.472	252	43710	7.133	ng	# 93
92) Benzo(g,h,i)perylene	31.047	276	22272m	3.755	ng	

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

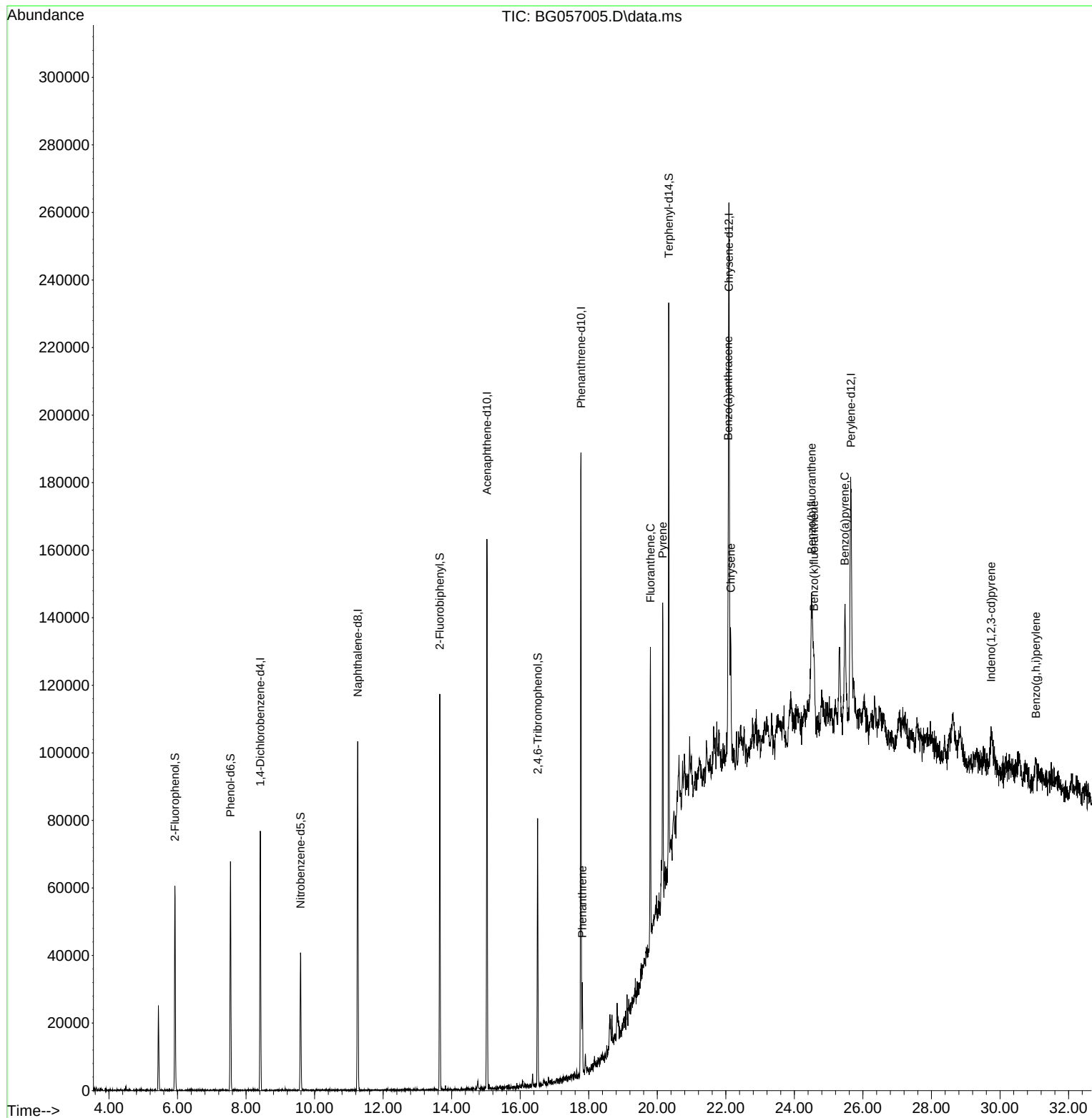
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057005.D
Acq On : 6 Apr 2023 00:48
Operator : CG/JU
Sample : 02126-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

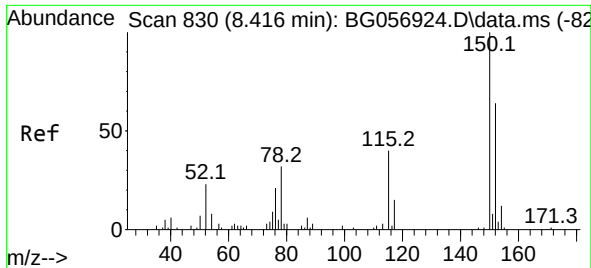
Instrument :
BNA_G
ClientSampleId :
RS-B

Quant Time: Apr 06 03:00:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 01:57:04 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023





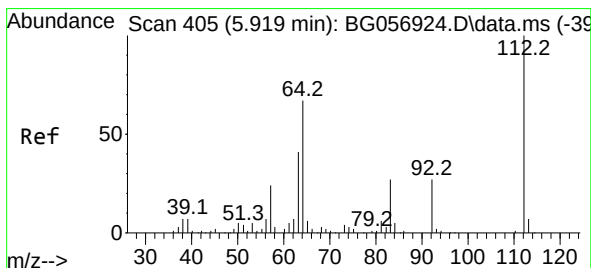
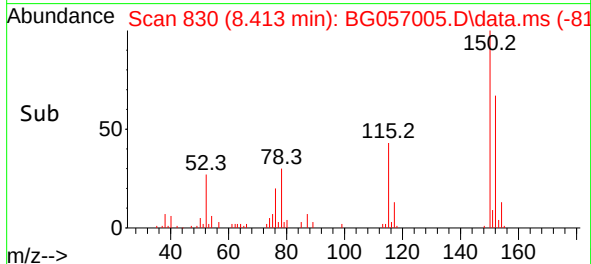
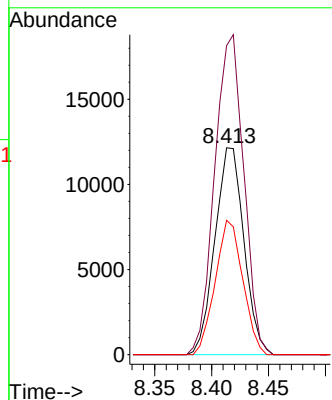
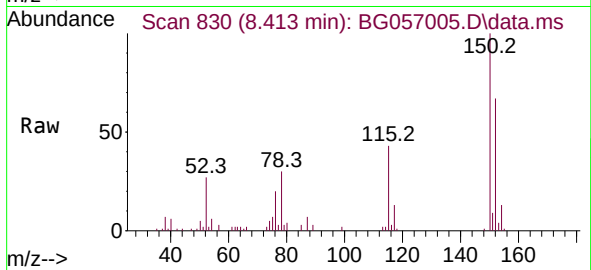
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.413 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Instrument :
BNA_G
ClientSampleId :
RS-B

Tgt Ion:152 Resp: 21582
Ion Ratio Lower Upper
152 100
150 149.4 124.1 186.1
115 65.0 49.1 73.7

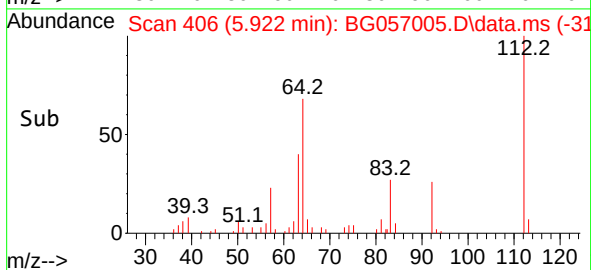
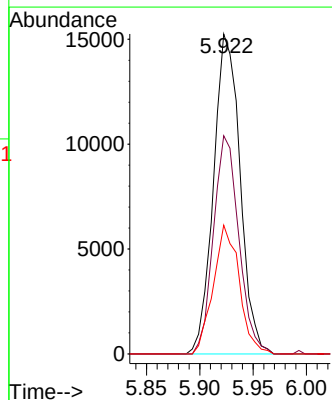
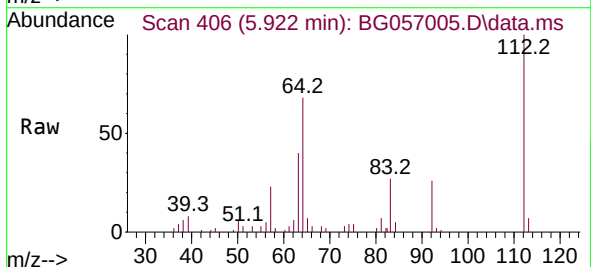
Manual Integrations
APPROVED

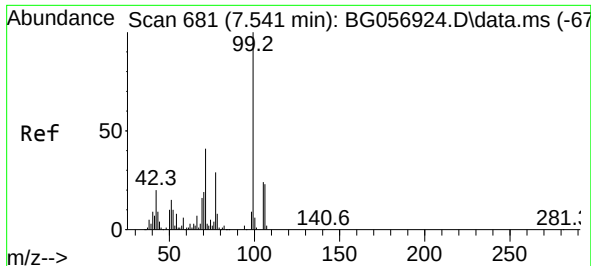
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#5
2-Fluorophenol
Concen: 19.597 ng
RT: 5.922 min Scan# 406
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

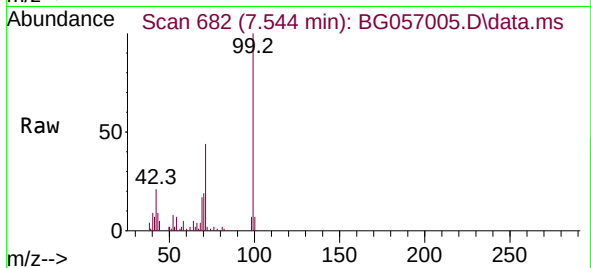
Tgt Ion:112 Resp: 26426
Ion Ratio Lower Upper
112 100
64 68.2 53.2 79.8
63 40.2 32.6 48.8





#7
Phenol-d6
Concen: 19.500 ng
RT: 7.544 min Scan# 681
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

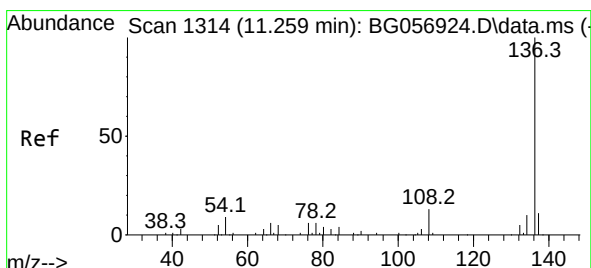
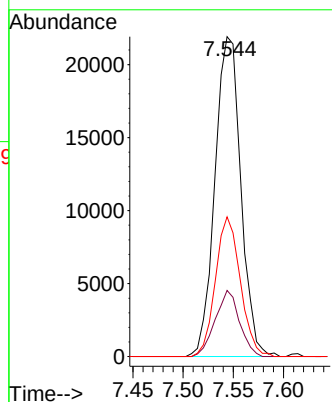
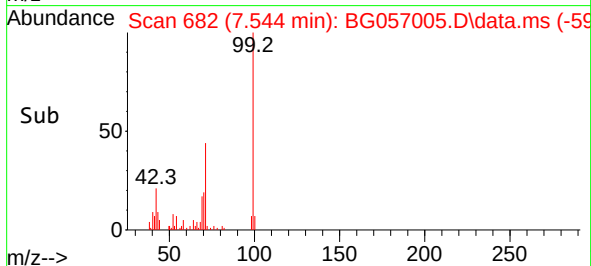
Instrument :
BNA_G
ClientSampleId :
RS-B



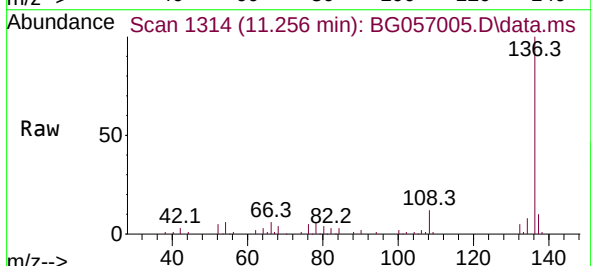
Tgt Ion: 99 Resp: 39329
Ion Ratio Lower Upper
99 100
42 20.7 15.7 23.5
71 43.7 32.5 48.7

Manual Integrations
APPROVED

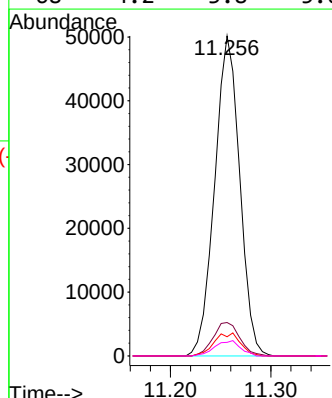
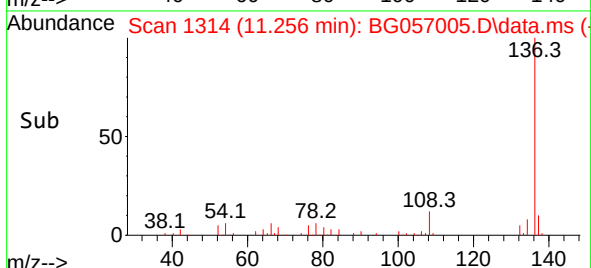
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023

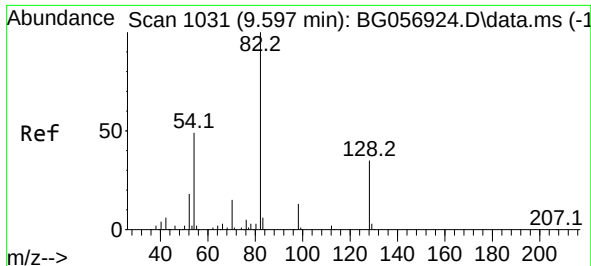


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.256 min Scan# 1314
Delta R.T. -0.007 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48



Tgt Ion:136 Resp: 86921
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 6.0 6.9 10.3#
68 4.2 3.8 5.6





#23

Nitrobenzene-d5

Concen: 12.257 ng

RT: 9.588 min Scan# 1030

Delta R.T. -0.007 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B

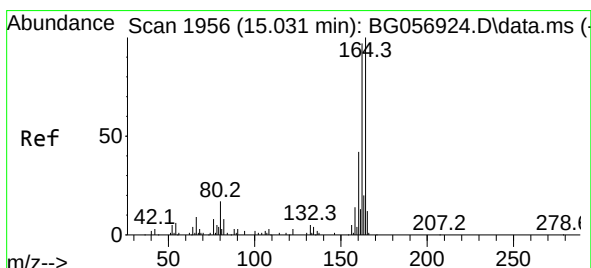
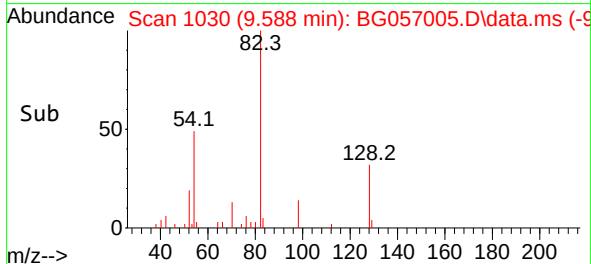
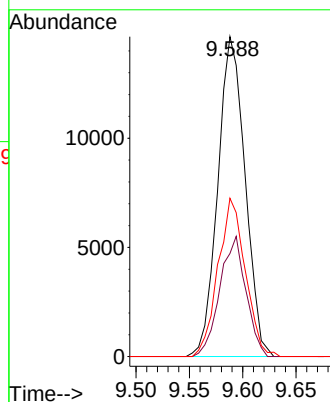
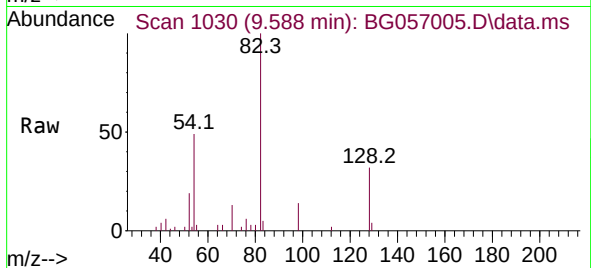
Tgt Ion:	82	Resp:	2603
Ion Ratio	Lower	Upper	
82	100		
128	32.2	27.9	41.9
54	49.5	39.4	59.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2023

Supervised By :Jagrut Upadhyay 04/06/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

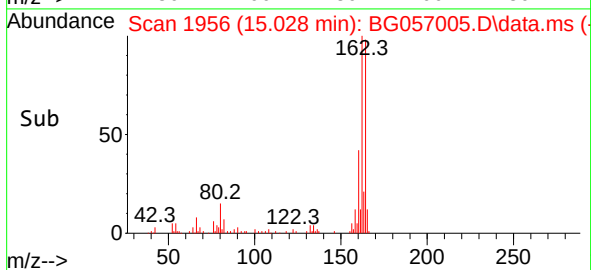
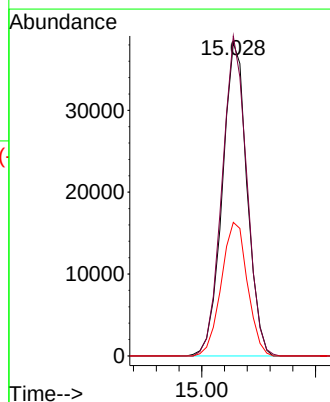
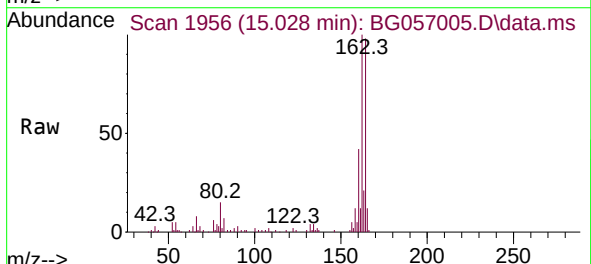
RT: 15.028 min Scan# 1956

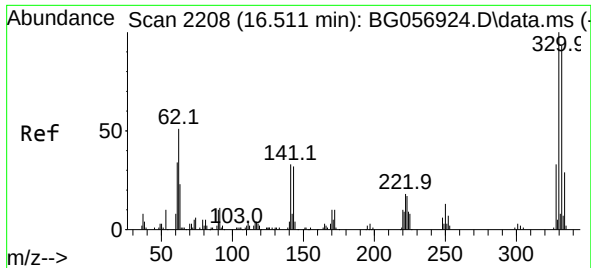
Delta R.T. -0.007 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

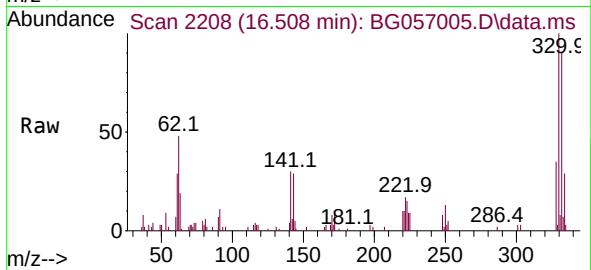
Tgt Ion:	164	Resp:	57838
Ion Ratio	Lower	Upper	
164	100		
162	102.2	77.8	116.8
160	42.7	33.5	50.3





#42
2,4,6-Tribromophenol
Concen: 18.242 ng
RT: 16.508 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

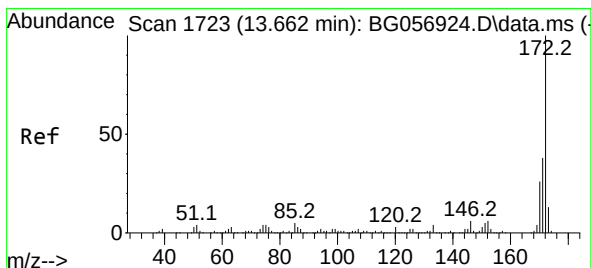
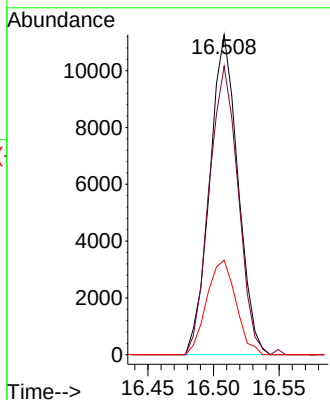
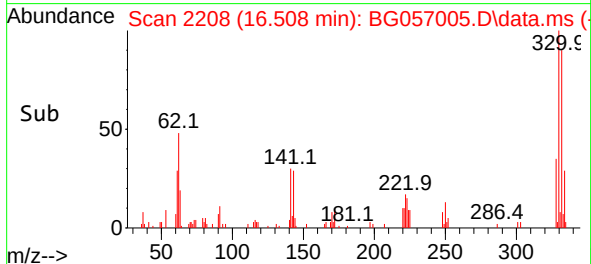
Instrument :
BNA_G
ClientSampleId :
RS-B



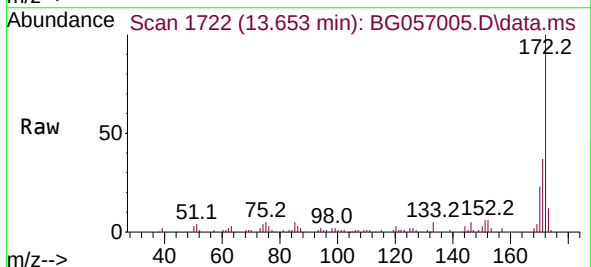
Tgt Ion:330 Resp: 1685
Ion Ratio Lower Upper
330 100
332 92.7 76.1 114.1
141 30.5 25.8 38.6

Manual Integrations
APPROVED

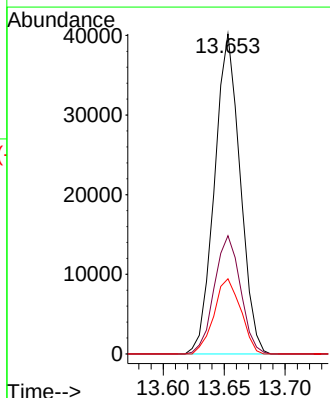
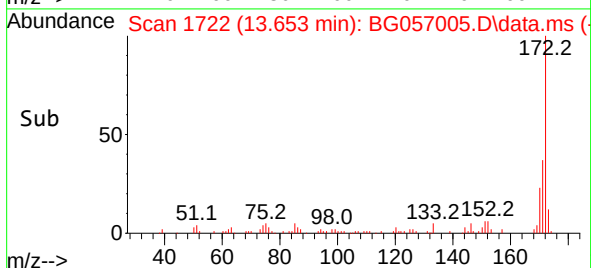
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023

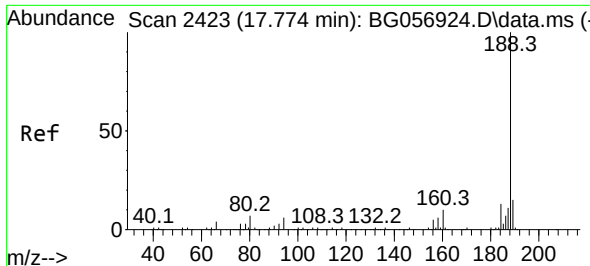


#45
2-Fluorobiphenyl
Concen: 13.757 ng
RT: 13.653 min Scan# 1722
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48



Tgt Ion:172 Resp: 58679
Ion Ratio Lower Upper
172 100
171 36.9 30.6 46.0
170 23.5 20.6 30.8





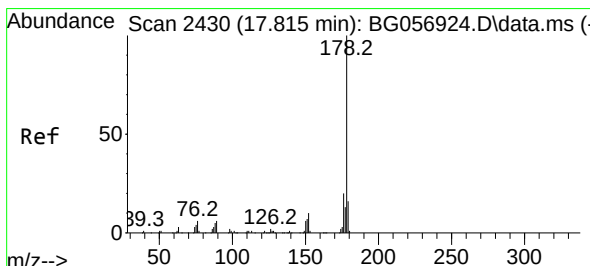
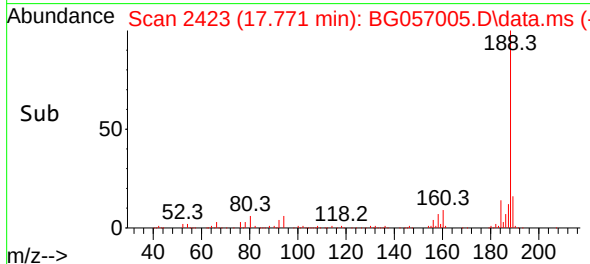
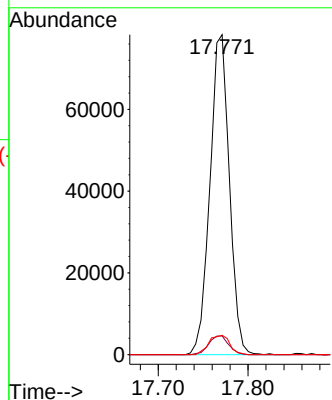
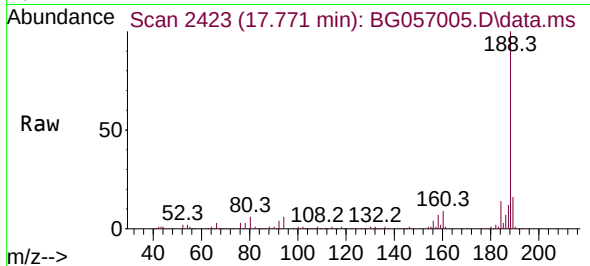
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.771 min Scan# 2423
Delta R.T. 0.005 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Instrument :
BNA_G
ClientSampleId :
RS-B

Tgt Ion:188 Resp: 11821
Ion Ratio Lower Upper
188 100
94 5.8 4.6 6.8
80 6.0 5.5 8.3

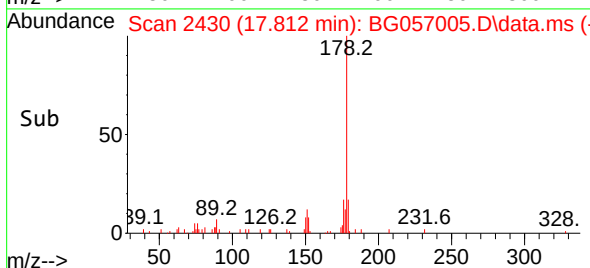
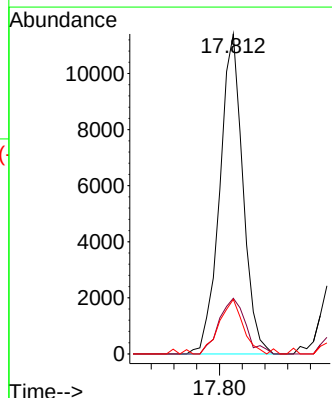
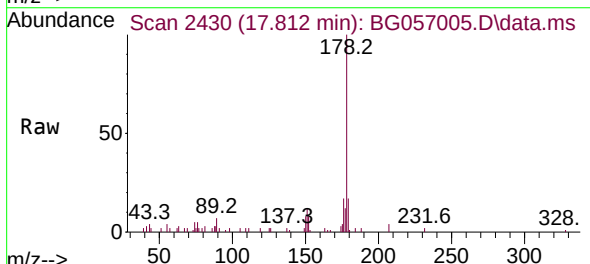
Manual Integrations
APPROVED

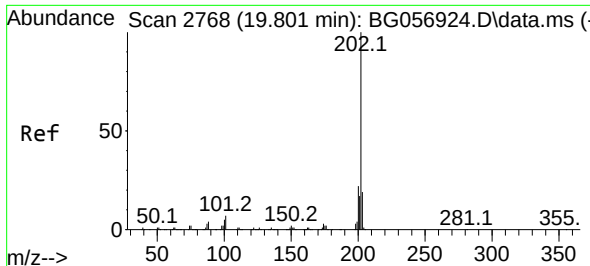
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#71
Phenanthrene
Concen: 2.677 ng
RT: 17.812 min Scan# 2430
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

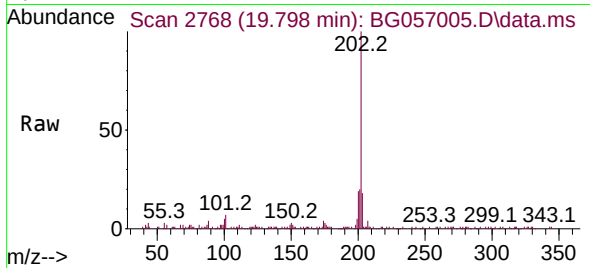
Tgt Ion:178 Resp: 16132
Ion Ratio Lower Upper
178 100
176 17.4 16.2 24.2
179 17.0 12.5 18.7





#75
Fluoranthene
Concen: 6.867 ng
RT: 19.798 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

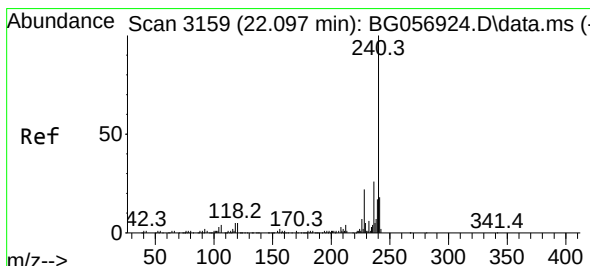
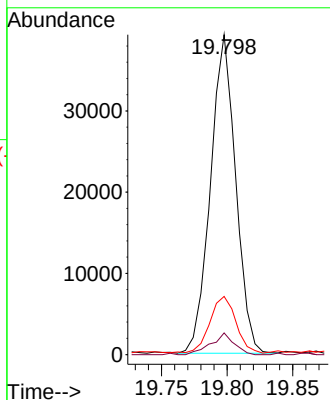
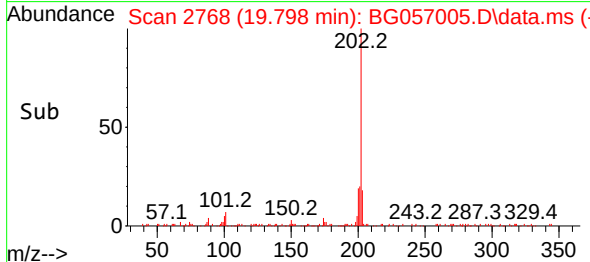
Instrument :
BNA_G
ClientSampleId :
RS-B



Tgt Ion:202 Resp: 52468
Ion Ratio Lower Upper
202 100
101 6.8 0.0 26.7
203 18.2 0.0 39.0

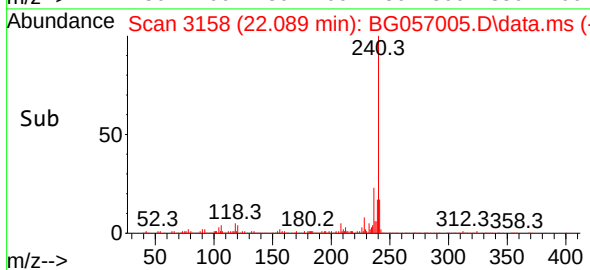
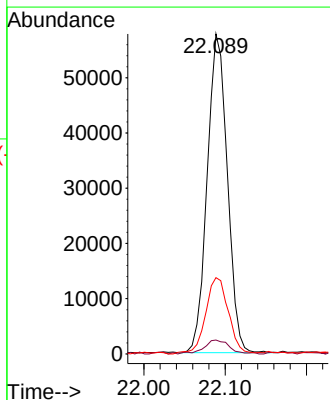
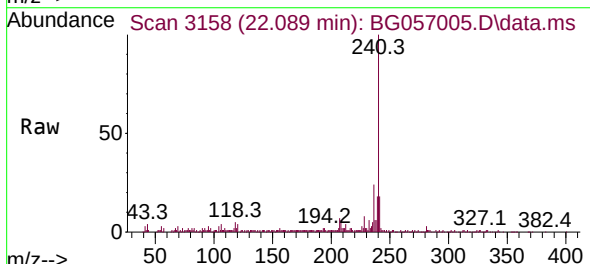
Manual Integrations
APPROVED

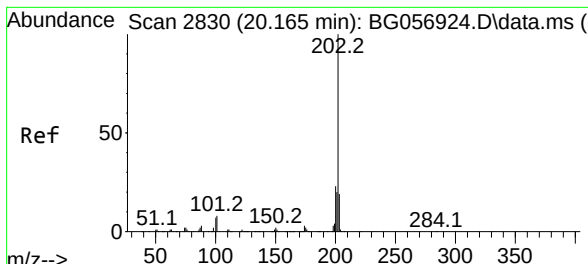
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.089 min Scan# 3158
Delta R.T. -0.007 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

Tgt Ion:240 Resp: 99692
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.6
236 23.8 21.0 31.6





#78
 Pyrene
 Concen: 7.893 ng
 RT: 20.156 min Scan# 2829
 Delta R.T. -0.001 min
 Lab File: BG057005.D
 Acq: 6 Apr 2023 00:48

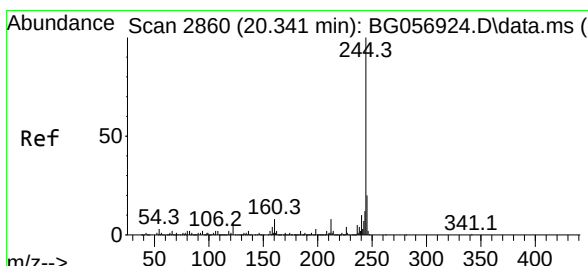
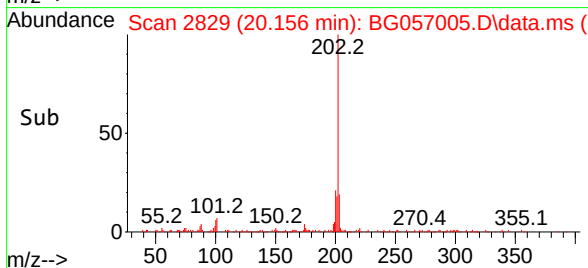
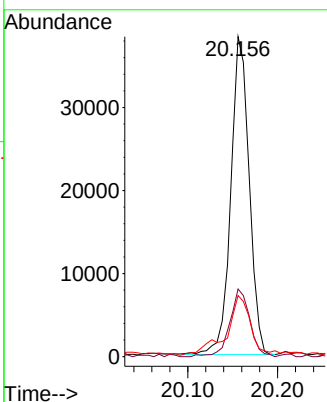
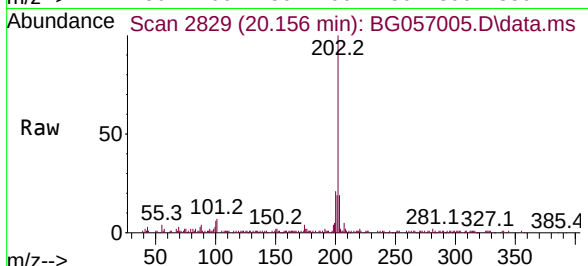
Instrument :
 BNA_G
 ClientSampleId :
 RS-B

Tgt Ion: 202 Resp: 5442

Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.7	28.1
203	19.1	15.4	23.2

Manual Integrations
 APPROVED

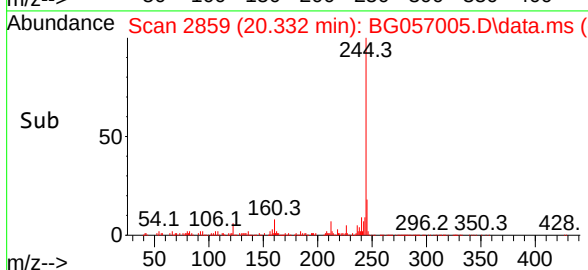
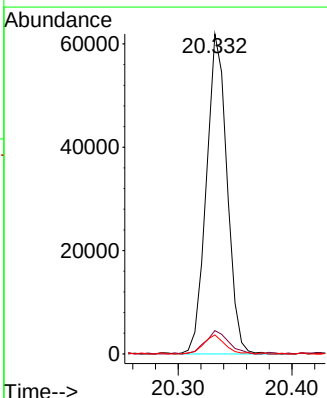
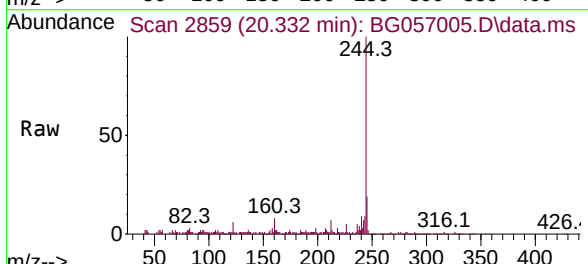
Reviewed By : Christian Giraldo 04/06/2023
 Supervised By : Jagrut Upadhyay 04/06/2023

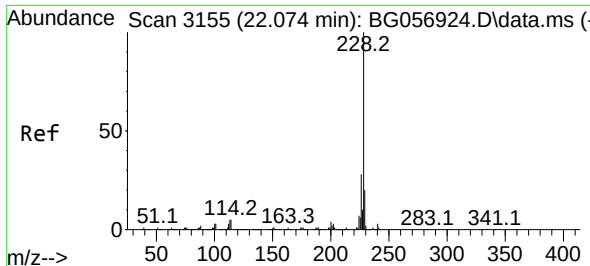


#79
 Terphenyl-d14
 Concen: 13.280 ng
 RT: 20.332 min Scan# 2859
 Delta R.T. -0.007 min
 Lab File: BG057005.D
 Acq: 6 Apr 2023 00:48

Tgt Ion: 244 Resp: 78237

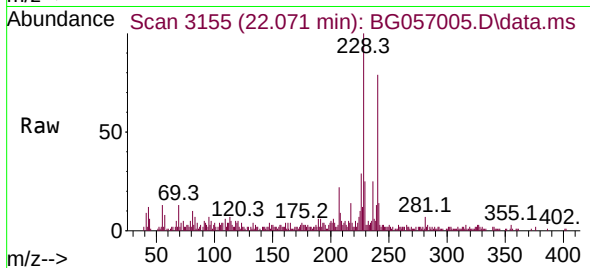
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	5.9	5.0	7.4





#81
Benzo(a)anthracene
Concen: 4.384 ng m
RT: 22.071 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48

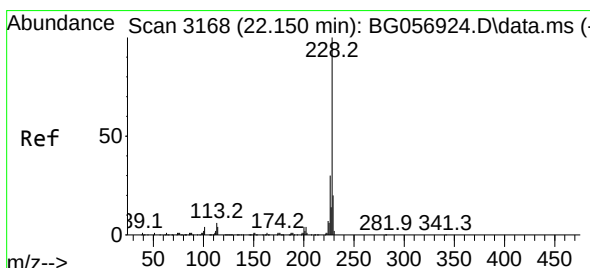
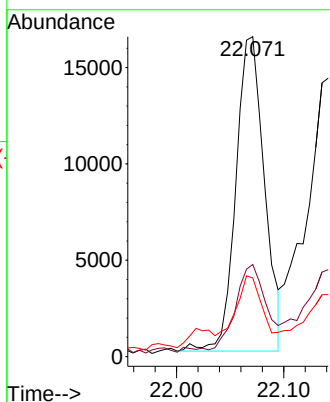
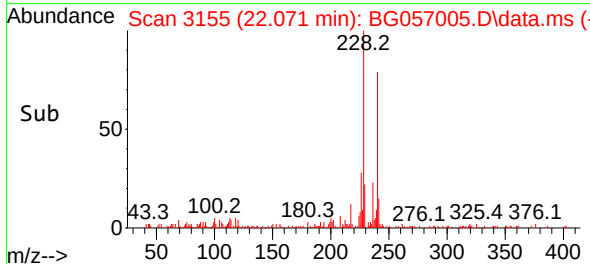
Instrument :
BNA_G
ClientSampleId :
RS-B



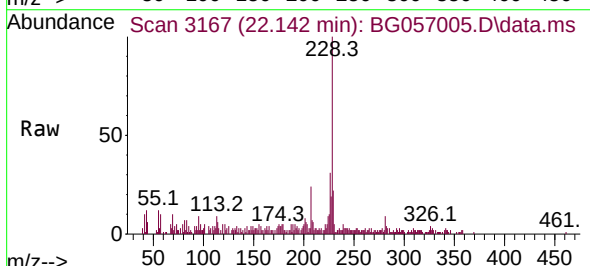
Tgt Ion:228 Resp: 30243
Ion Ratio Lower Upper
228 100
226 28.8 22.1 33.1
229 24.6 16.1 24.1

Manual Integrations
APPROVED

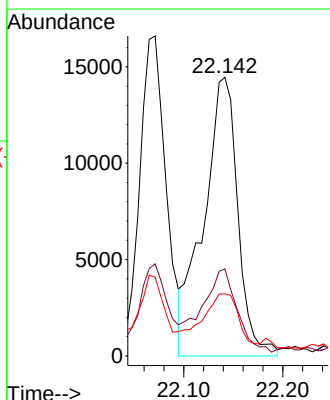
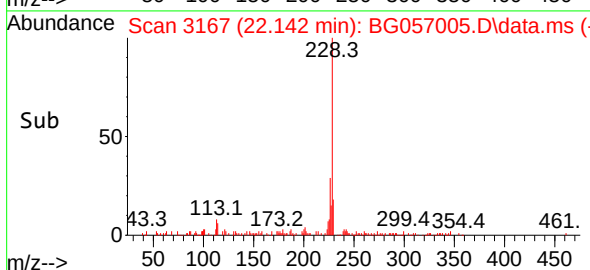
Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023

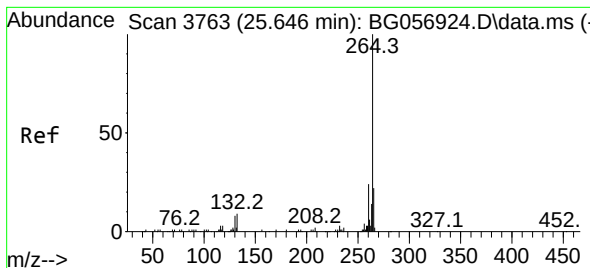


#83
Chrysene
Concen: 5.402 ng m
RT: 22.142 min Scan# 3167
Delta R.T. -0.001 min
Lab File: BG057005.D
Acq: 6 Apr 2023 00:48



Tgt Ion:228 Resp: 34892
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 22.3 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.649 min Scan# 31

Delta R.T. 0.017 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

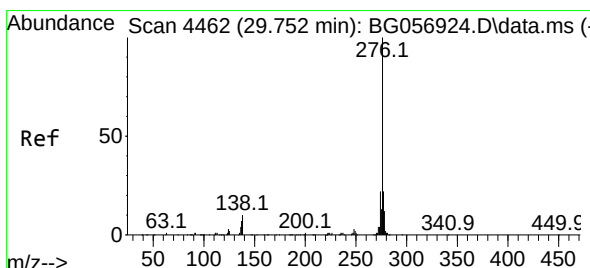
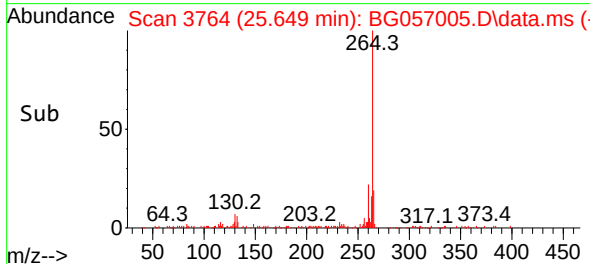
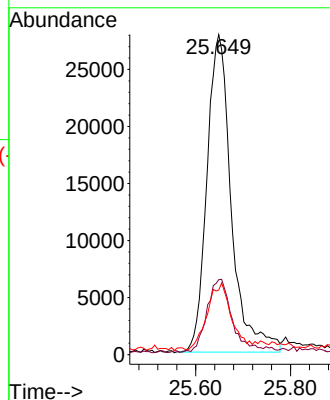
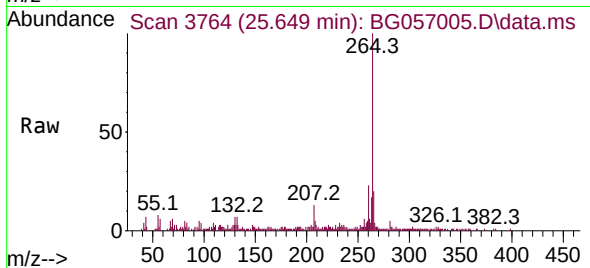
RS-B

Tgt Ion:264	Resp:	99716
Ion Ratio	Lower	Upper
264	100	
260	23.4	19.0 28.4
265	20.2	17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.330 ng m

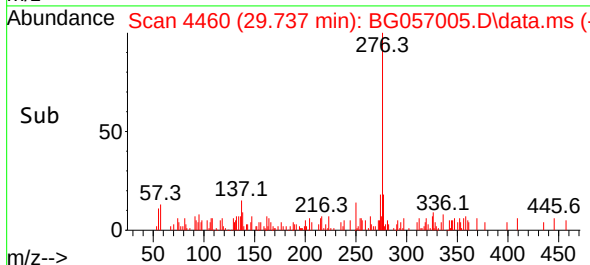
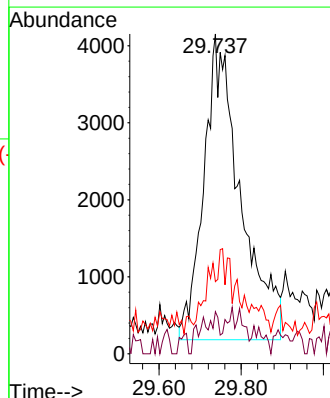
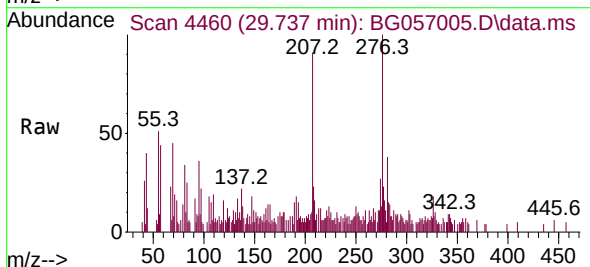
RT: 29.737 min Scan# 4460

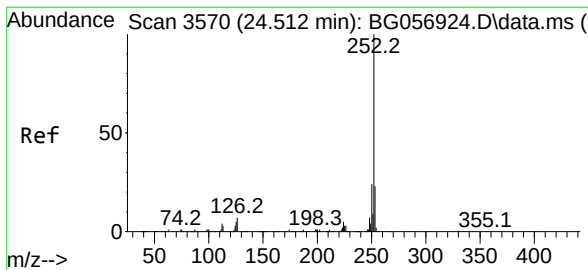
Delta R.T. -0.001 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Tgt Ion:276	Resp:	24543
Ion Ratio	Lower	Upper
276	100	
138	1.2	7.7 11.5#
277	5.7	21.0 31.4#





#88

Benzo(b)fluoranthene

Concen: 8.555 ng

RT: 24.503 min Scan# 3569

Delta R.T. -0.001 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B

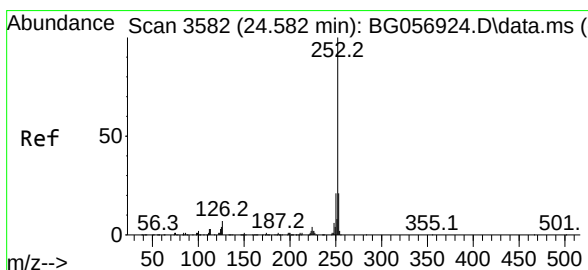
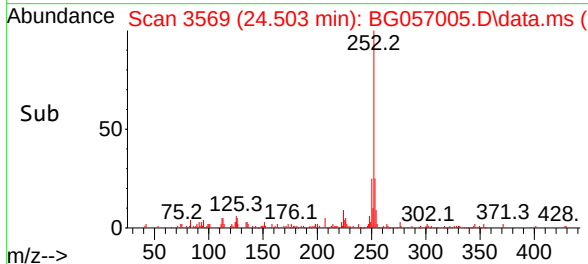
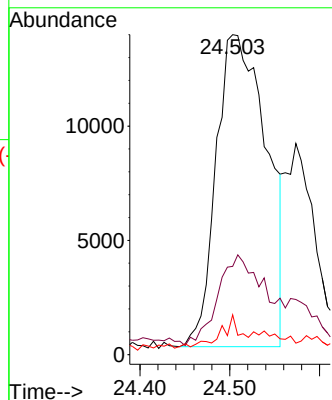
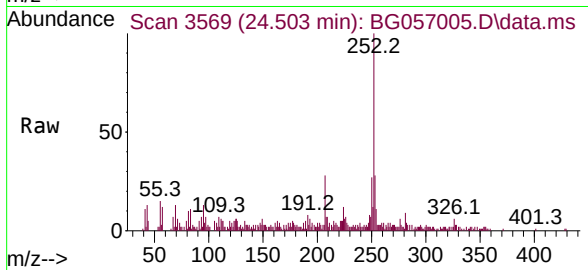
Tgt Ion:252	Resp:	5334
Ion Ratio	Lower	Upper
252	100	
253	27.6	18.1 27.1
125	12.4	4.2 6.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2023

Supervised By :Jagrut Upadhyay 04/06/2023



#89

Benzo(k)fluoranthene

Concen: 3.648 ng m

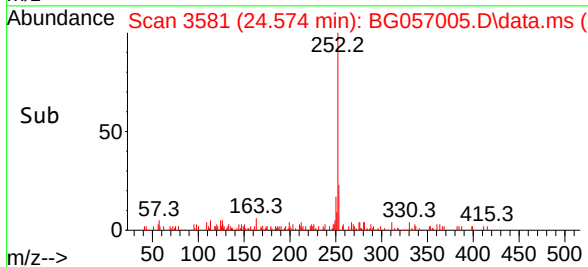
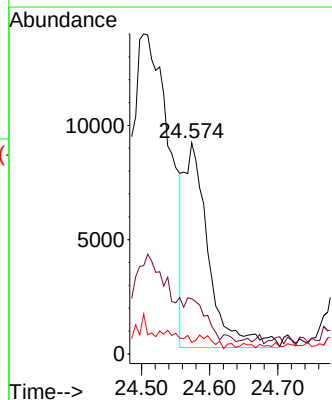
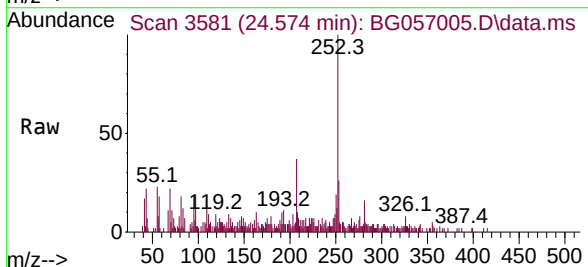
RT: 24.574 min Scan# 3581

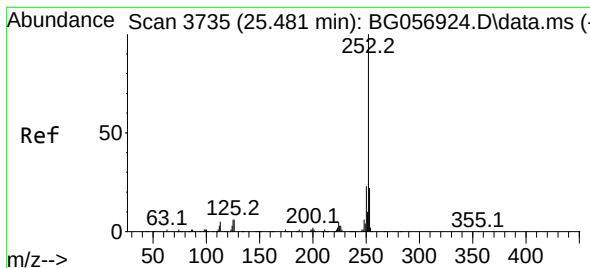
Delta R.T. -0.001 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Tgt Ion:252	Resp:	22710
Ion Ratio	Lower	Upper
252	100	
253	26.1	17.1 25.7
125	5.4	3.8 5.6





#90

Benzo(a)pyrene

Concen: 7.133 ng

RT: 25.472 min Scan# 31

Delta R.T. 0.005 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Instrument :

BNA_G

ClientSampleId :

RS-B

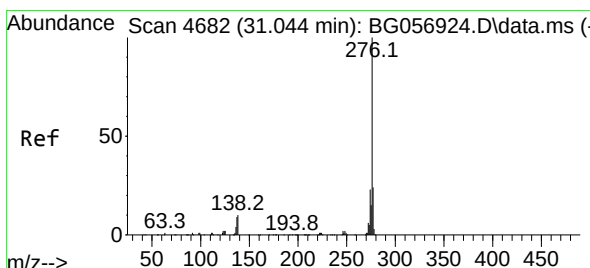
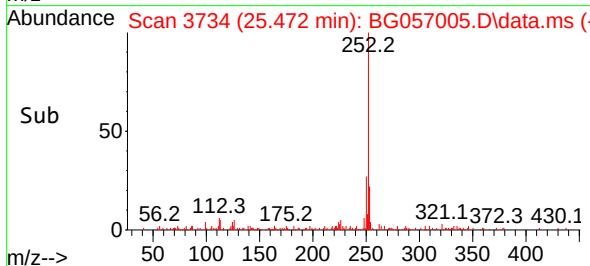
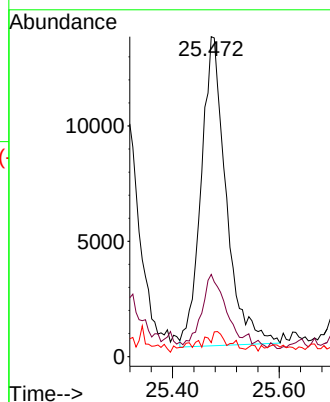
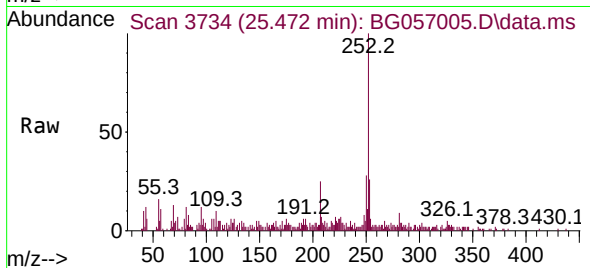
Tgt Ion:252 Resp: 43710

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.6	26.4
125	4.4	4.5	6.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/06/2023
Supervised By :Jagrut Upadhyay 04/06/2023



#92

Benzo(g,h,i)perylene

Concen: 3.755 ng m

RT: 31.047 min Scan# 4683

Delta R.T. 0.017 min

Lab File: BG057005.D

Acq: 6 Apr 2023 00:48

Tgt Ion:276 Resp: 22272

Ion	Ratio	Lower	Upper
276	100		
277	31.5	19.1	28.7
138	10.1	8.2	12.2

