

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040423\
 Data File : BG056981.D
 Acq On : 5 Apr 2023 1:50
 Operator : CG/JU
 Sample : 02166-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-03-033123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/05/2023
 Supervised By : Jagrut Upadhyay 04/05/2023

Quant Time: Apr 05 04:14:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 03:23:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.414	152	24867	20.000	ng	0.00
21) Naphthalene-d8	11.257	136	95747	20.000	ng	0.00
39) Acenaphthene-d10	15.028	164	61614	20.000	ng	0.00
64) Phenanthrene-d10	17.772	188	122800	20.000	ng	0.00
76) Chrysene-d12	22.095	240	107671	20.000	ng	0.00
86) Perylene-d12	25.649	264	108739	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.923	112	55679	35.835	ng	0.00
7) Phenol-d6	7.544	99	81475	35.061	ng	0.00
23) Nitrobenzene-d5	9.595	82	54896	23.460	ng	0.00
42) 2,4,6-Tribromophenol	16.509	330	32679	33.200	ng	0.00
45) 2-Fluorobiphenyl	13.654	172	117950	25.959	ng	0.00
79) Terphenyl-d14	20.345	244	156364	24.574	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.813	178	19430	3.103	ng	97
75) Fluoranthene	19.798	202	60508	7.624	ng	99
78) Pyrene	20.169	202	87459	11.744	ng	99
81) Benzo(a)anthracene	22.072	228	54539	7.320	ng	99
83) Chrysene	22.142	228	49559	7.104	ng	96
88) Benzo(b)fluoranthene	24.504	252	49452	7.273	ng	# 92
89) Benzo(k)fluoranthene	24.568	252	18928m	2.788	ng	
90) Benzo(a)pyrene	25.473	252	37293	5.581	ng	# 96

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

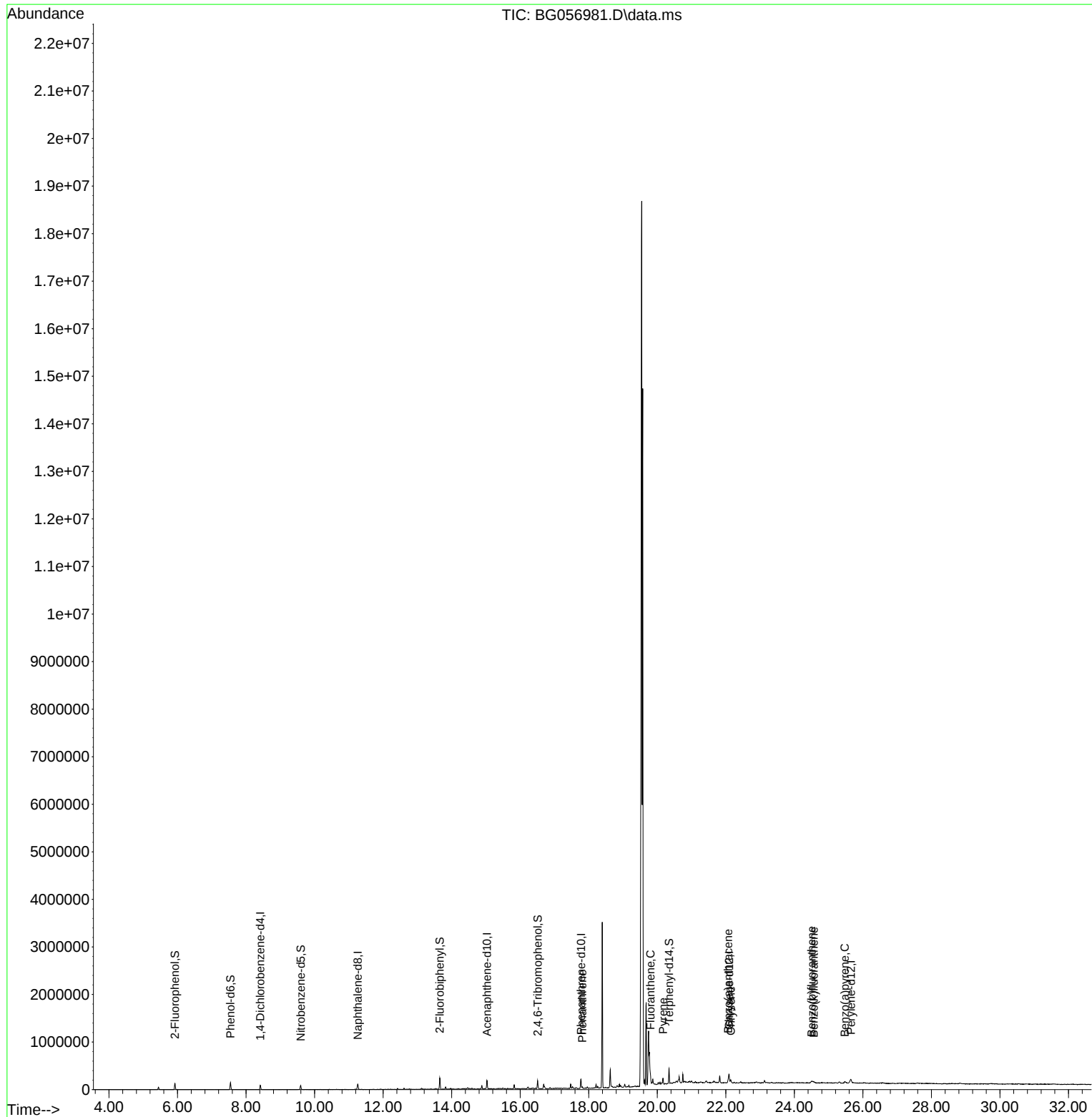
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040423\
Data File : BG056981.D
Acq On : 5 Apr 2023 1:50
Operator : CG/JU
Sample : 02166-05 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

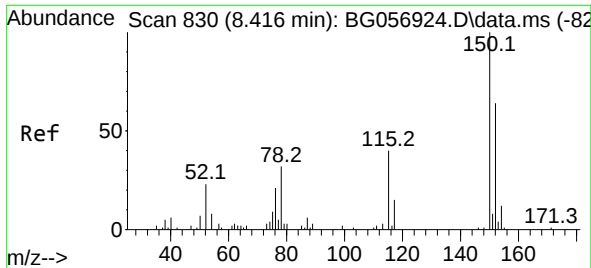
Instrument :
BNA_G
ClientSampleId :
HR-03-033123

Quant Time: Apr 05 04:14:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

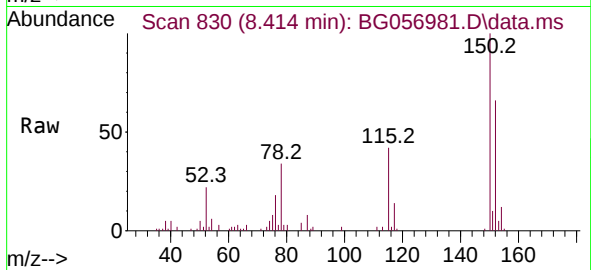
Reviewed By : Christian Giraldo 04/05/2023
Supervised By : Jagrut Upadhyay 04/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.414 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

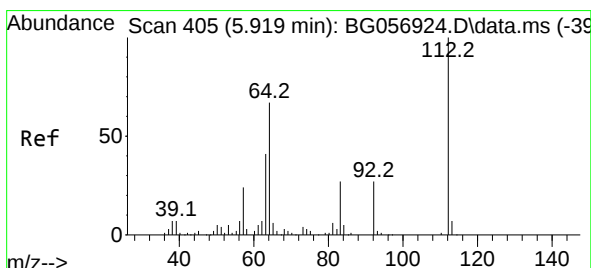
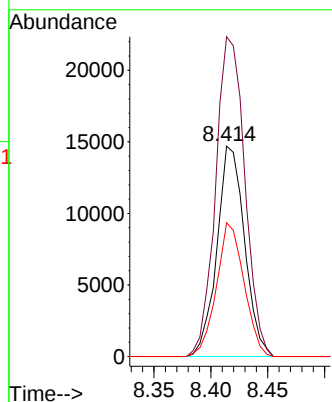
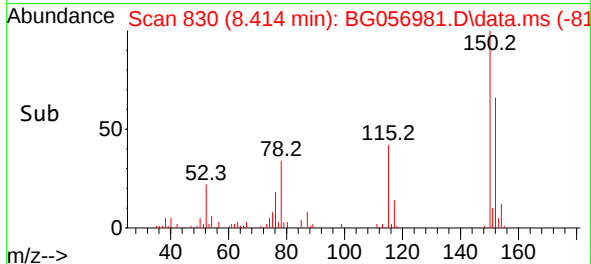
Instrument :
BNA_G
ClientSampleId :
HR-03-033123



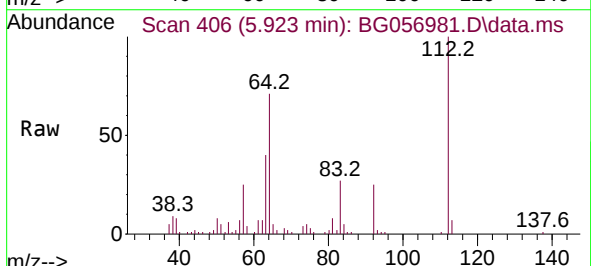
Tgt Ion:152 Resp: 2486
Ion Ratio Lower Upper
152 100
150 152.1 124.1 186.1
115 63.6 49.1 73.7

Manual Integrations
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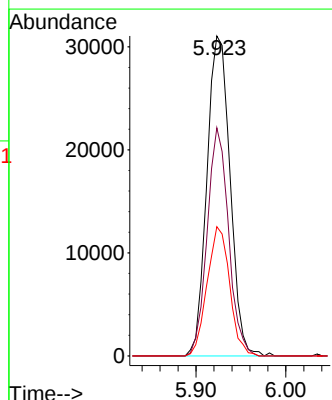
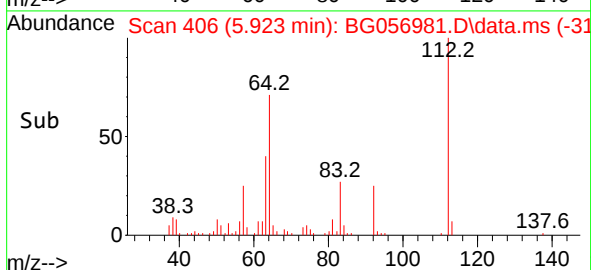
Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023

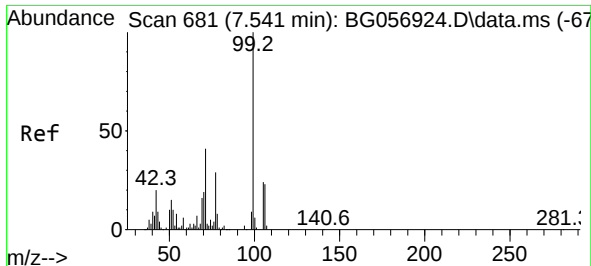


#5
2-Fluorophenol
Concen: 35.835 ng
RT: 5.923 min Scan# 406
Delta R.T. 0.004 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50



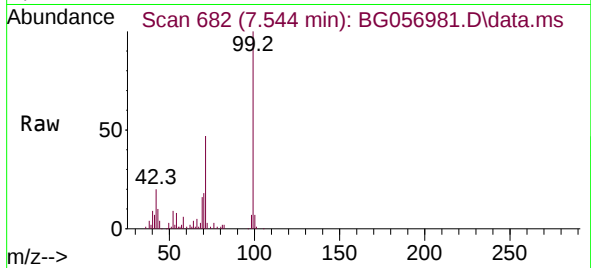
Tgt Ion:112 Resp: 55679
Ion Ratio Lower Upper
112 100
64 71.3 53.2 79.8
63 40.4 32.6 48.8





#7
Phenol-d6
Concen: 35.061 ng
RT: 7.544 min Scan# 681
Delta R.T. 0.004 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

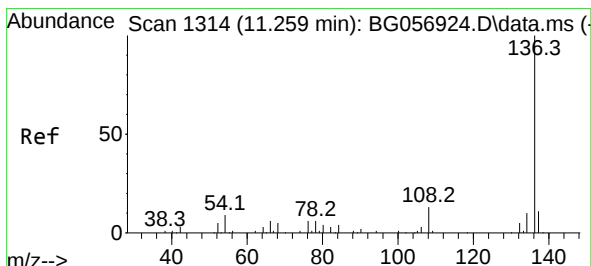
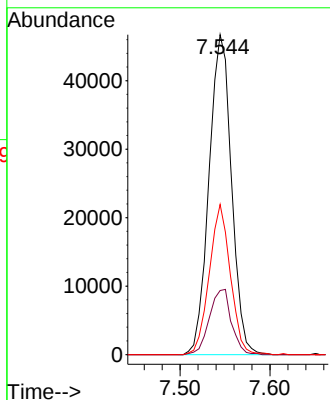
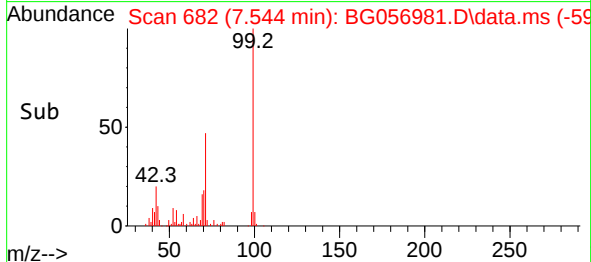
Instrument :
BNA_G
ClientSampleId :
HR-03-033123



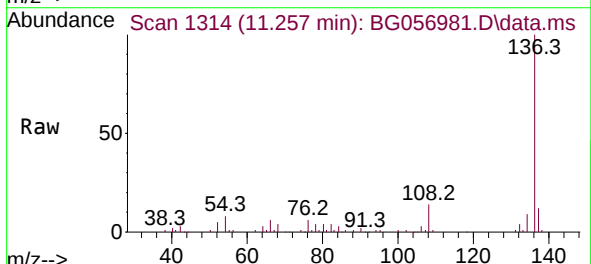
Tgt Ion: 99 Resp: 81475
Ion Ratio Lower Upper
99 100
42 20.0 15.7 23.5
71 46.9 32.5 48.7

Manual Integrations
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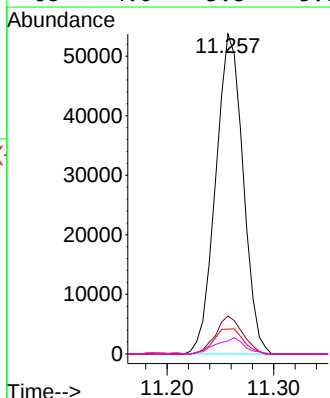
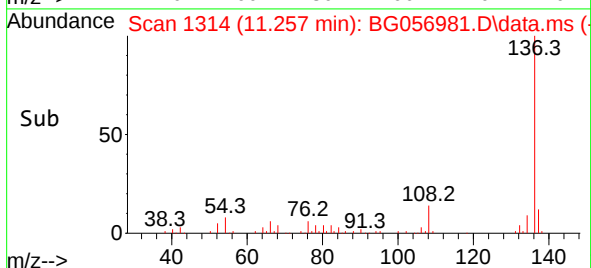
Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.257 min Scan# 1314
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50



Tgt Ion:136 Resp: 95747
Ion Ratio Lower Upper
136 100
137 11.8 8.6 13.0
54 7.7 6.9 10.3
68 4.0 3.8 5.6





#23

Nitrobenzene-d5

Concen: 23.460 ng

RT: 9.595 min Scan# 1031

Delta R.T. -0.002 min

Lab File: BG056981.D

Acq: 5 Apr 2023 1:50

Instrument :

BNA_G

ClientSampleId :

HR-03-033123

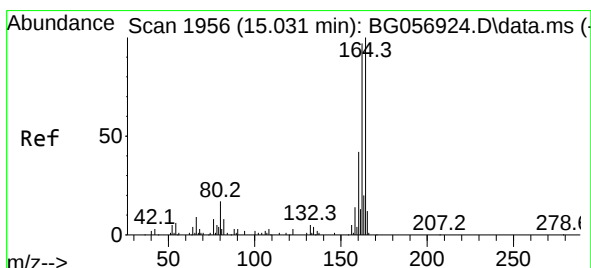
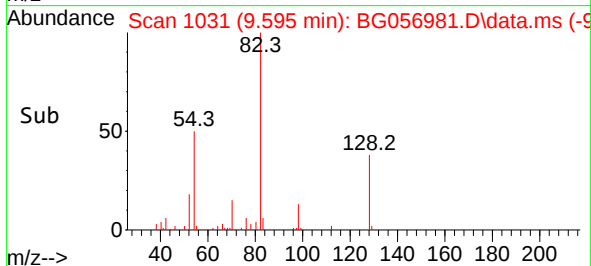
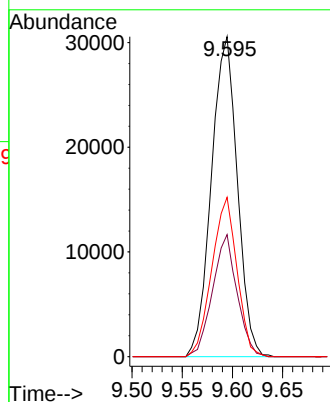
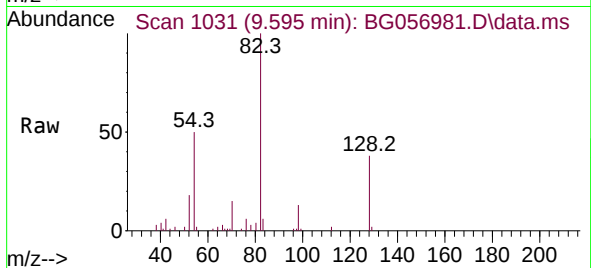
Tgt Ion: 82	Resp: 54896
Ion Ratio	Lower Upper
82 100	
128 38.2	27.9 41.9
54 49.8	39.4 59.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/05/2023

Supervised By :Jagrut Upadhyay 04/05/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

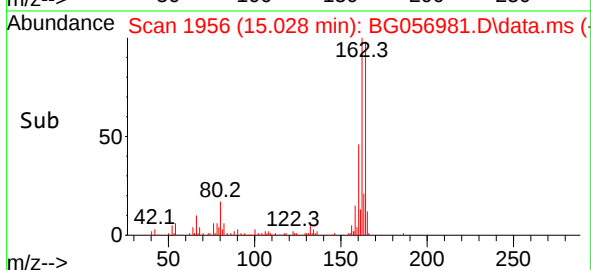
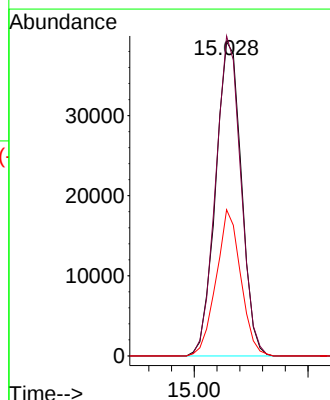
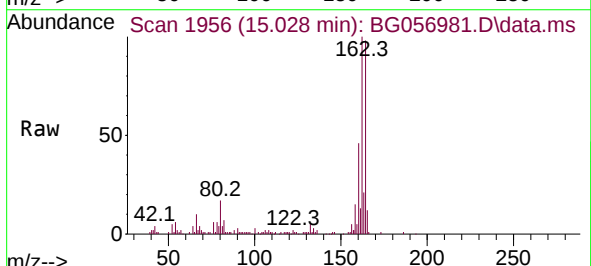
RT: 15.028 min Scan# 1956

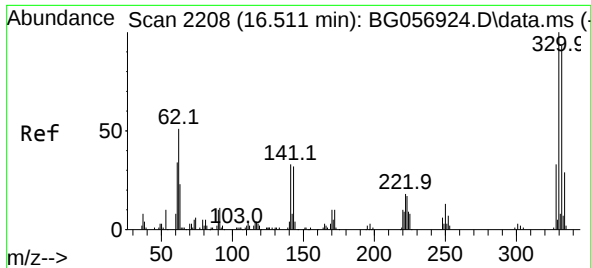
Delta R.T. -0.002 min

Lab File: BG056981.D

Acq: 5 Apr 2023 1:50

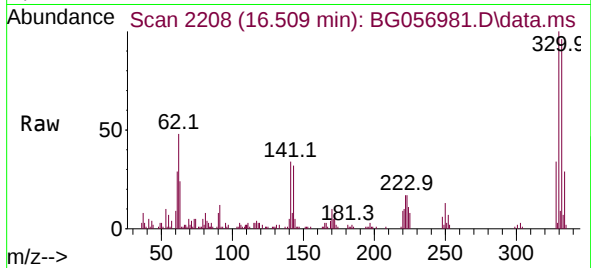
Tgt Ion:164	Resp: 61614
Ion Ratio	Lower Upper
164 100	
162 101.9	77.8 116.8
160 46.5	33.5 50.3





#42
2,4,6-Tribromophenol
Concen: 33.200 ng
RT: 16.509 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

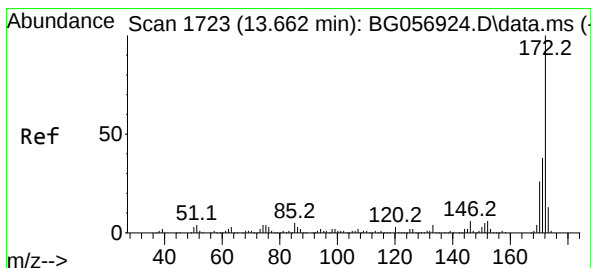
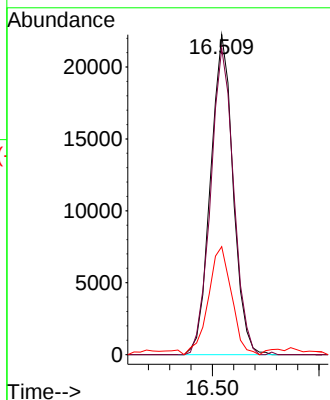
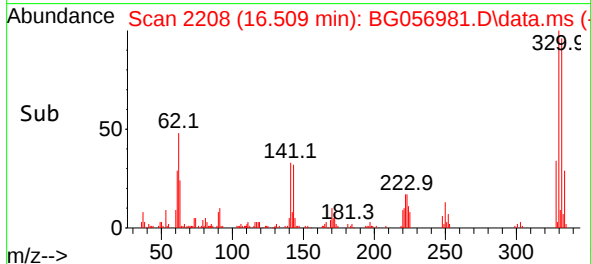
Instrument :
BNA_G
ClientSampleId :
HR-03-033123



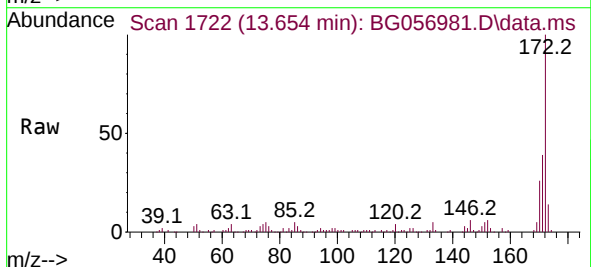
Tgt Ion:330 Resp: 32679
Ion Ratio Lower Upper
330 100
332 97.5 76.1 114.1
141 34.6 25.8 38.6

Manual Integrations
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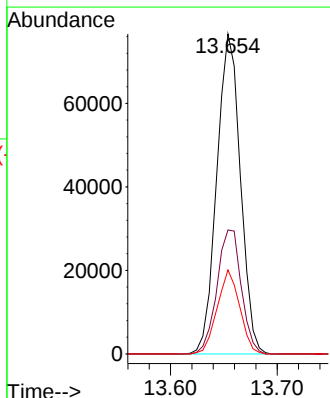
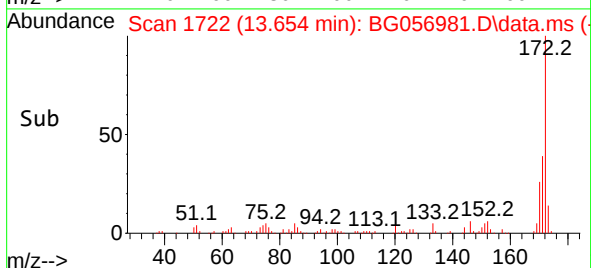
Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023

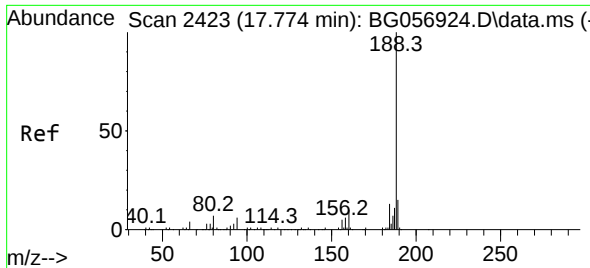


#45
2-Fluorobiphenyl
Concen: 25.959 ng
RT: 13.654 min Scan# 1722
Delta R.T. -0.008 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50



Tgt Ion:172 Resp: 117950
Ion Ratio Lower Upper
172 100
171 38.7 30.6 46.0
170 26.2 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.772 min Scan# 2423
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Instrument :

BNA_G

ClientSampleId :

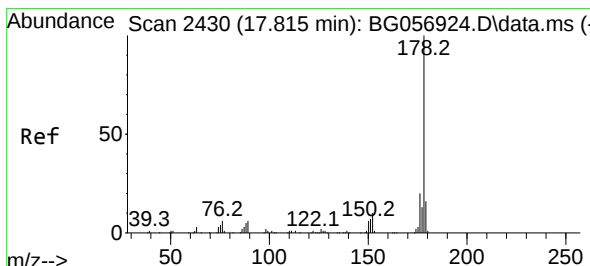
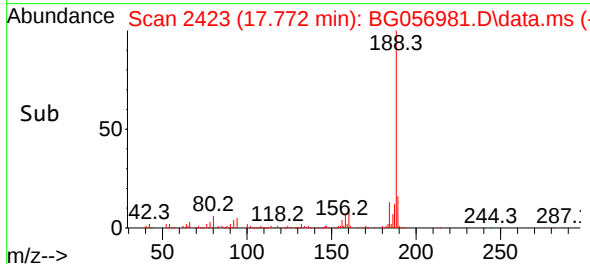
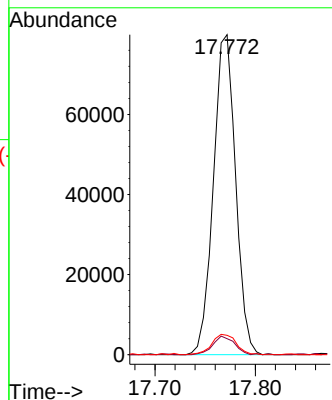
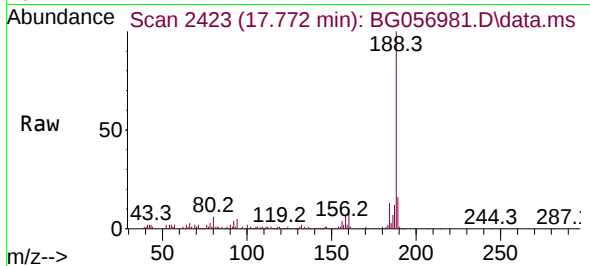
HR-03-033123

Tgt Ion:188 Resp: 122800
Ion Ratio Lower Upper
188 100
94 5.0 4.6 6.8
80 6.0 5.5 8.3

Manual Integrations

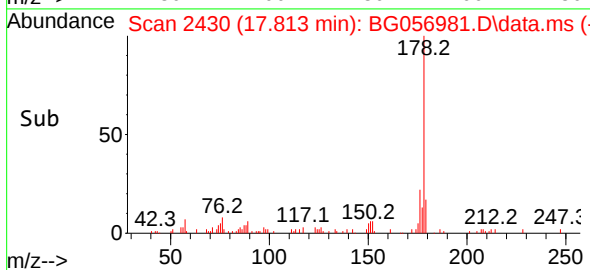
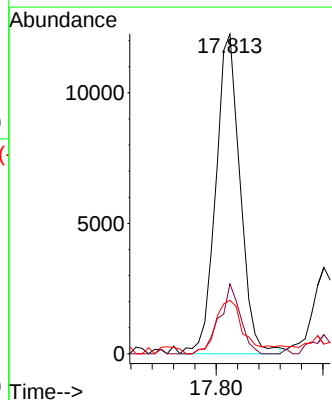
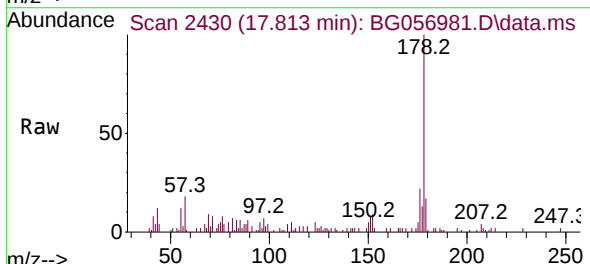
APPROVED

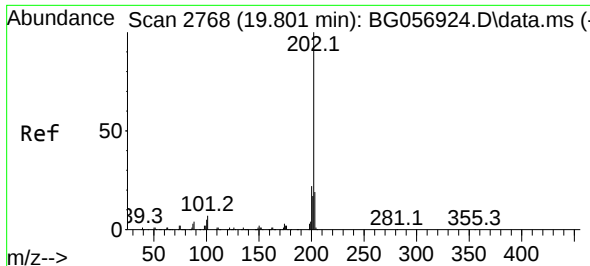
Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#71
Phenanthrene
Concen: 3.103 ng
RT: 17.813 min Scan# 2430
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:178 Resp: 19430
Ion Ratio Lower Upper
178 100
176 21.9 16.2 24.2
179 16.7 12.5 18.7





#75
Fluoranthene
Concen: 7.624 ng
RT: 19.798 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Instrument :

BNA_G

ClientSampleId :

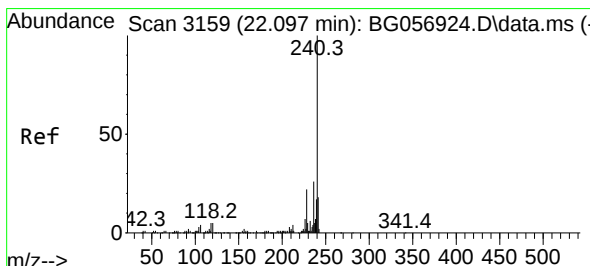
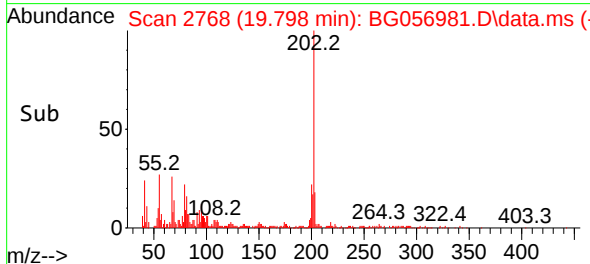
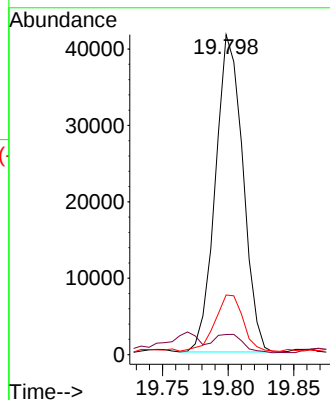
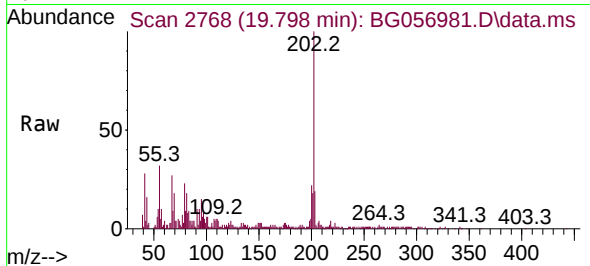
HR-03-033123

Tgt Ion:202 Resp: 60508
Ion Ratio Lower Upper
202 100
101 6.3 0.0 26.7
203 18.6 0.0 39.0

Manual Integrations

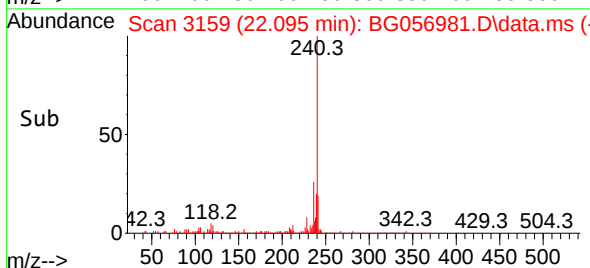
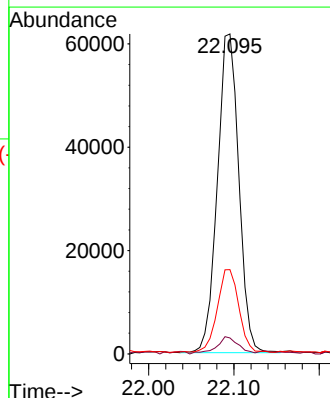
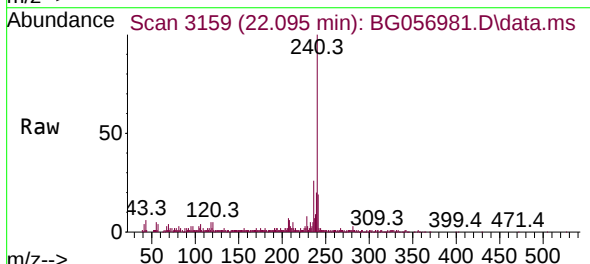
APPROVED

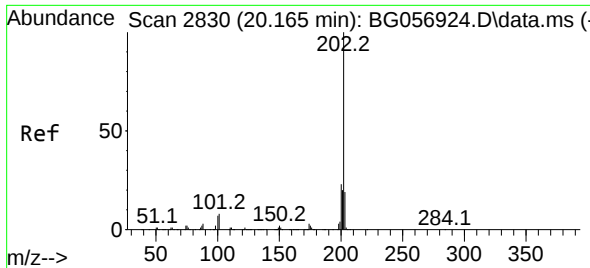
Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.095 min Scan# 3159
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:240 Resp: 107671
Ion Ratio Lower Upper
240 100
120 5.0 3.8 5.6
236 26.3 21.0 31.6





#78
 Pyrene
 Concen: 11.744 ng
 RT: 20.169 min Scan# 2830
 Delta R.T. 0.004 min
 Lab File: BG056981.D
 Acq: 5 Apr 2023 1:50

Instrument :

BNA_G

ClientSampleId :

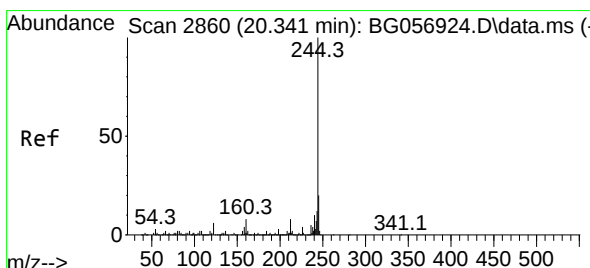
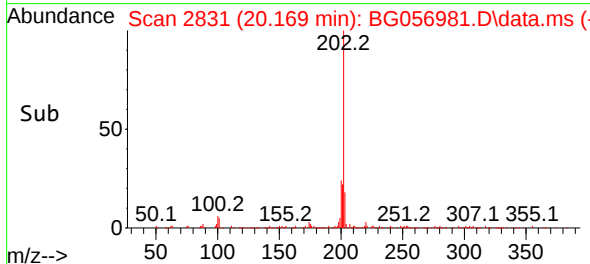
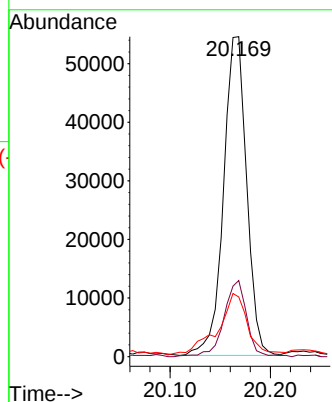
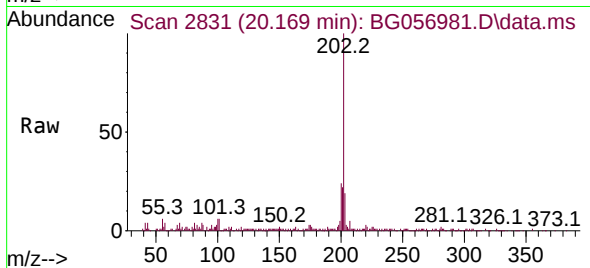
HR-03-033123

Tgt Ion:202 Resp: 87459
 Ion Ratio Lower Upper
 202 100
 200 23.8 18.7 28.1
 203 18.7 15.4 23.2

Manual Integrations

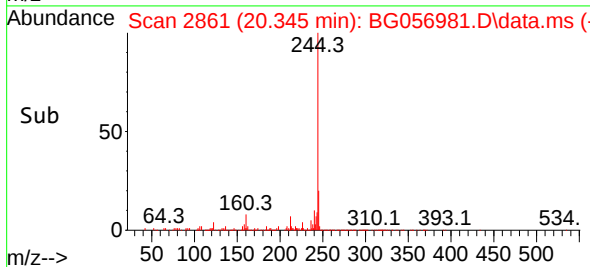
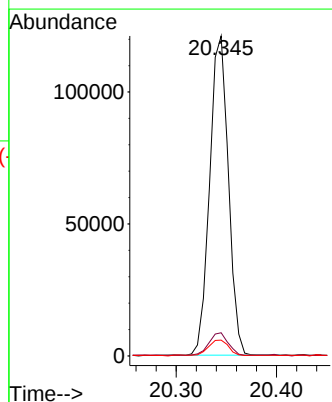
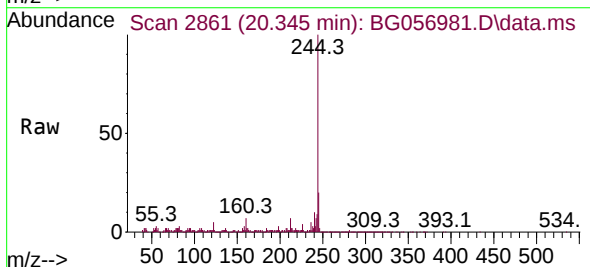
APPROVED

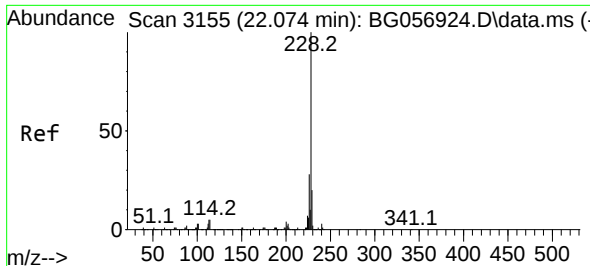
Reviewed By :Christian Giraldo 04/05/2023
 Supervised By :Jagrut Upadhyay 04/05/2023



#79
 Terphenyl-d14
 Concen: 24.574 ng
 RT: 20.345 min Scan# 2861
 Delta R.T. 0.004 min
 Lab File: BG056981.D
 Acq: 5 Apr 2023 1:50

Tgt Ion:244 Resp: 156364
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 4.9 5.0 7.4





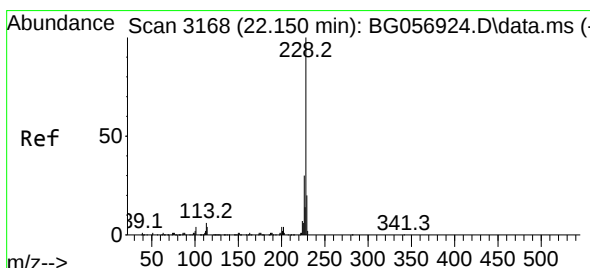
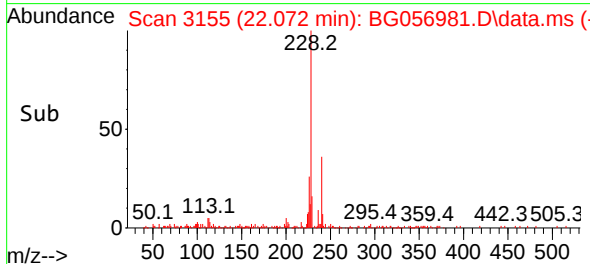
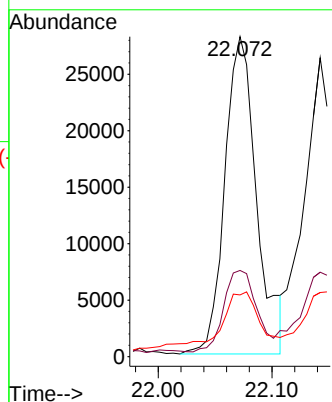
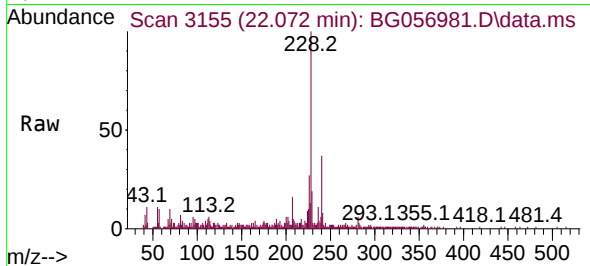
#81
Benzo(a)anthracene
Concen: 7.320 ng
RT: 22.072 min Scan# 3155
Delta R.T. -0.002 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Instrument :
BNA_G
ClientSampleId :
HR-03-033123

Tgt Ion:228 Resp: 54539
Ion Ratio Lower Upper
228 100
226 27.0 22.1 33.1
229 19.3 16.1 24.1

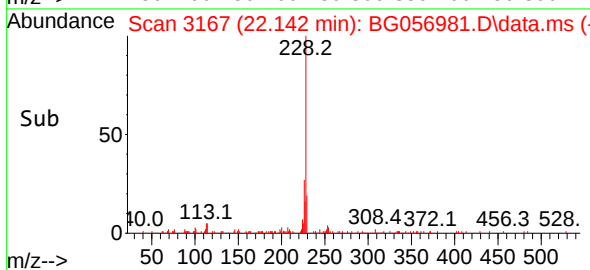
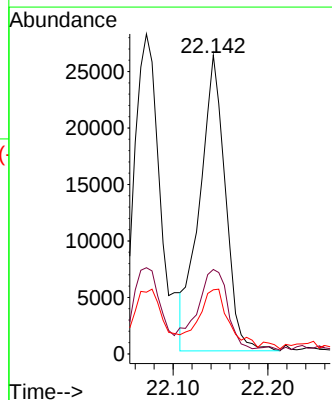
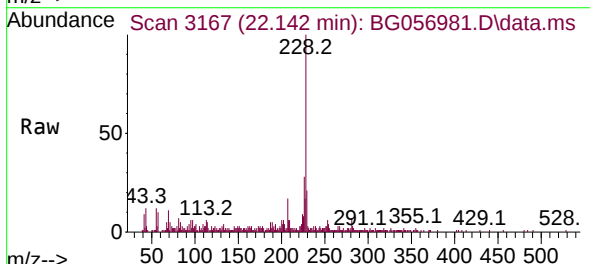
Manual Integrations
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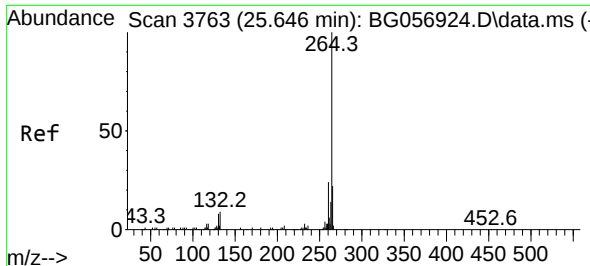
Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#83
Chrysene
Concen: 7.104 ng
RT: 22.142 min Scan# 3167
Delta R.T. -0.008 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Tgt Ion:228 Resp: 49559
Ion Ratio Lower Upper
228 100
226 28.2 24.1 36.1
229 21.4 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.649 min Scan# 31
Delta R.T. 0.004 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

Instrument :

BNA_G

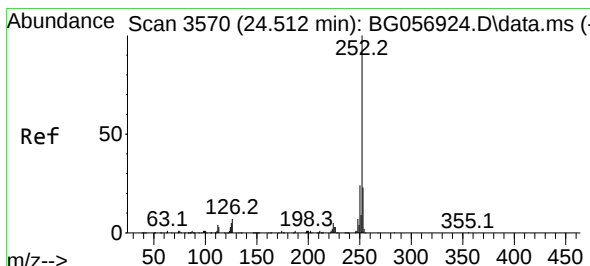
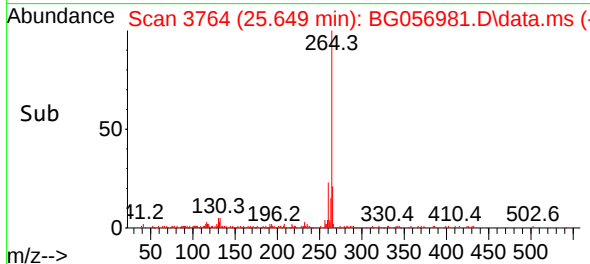
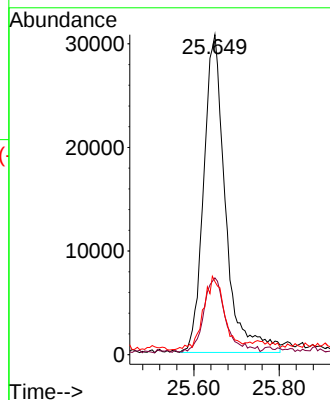
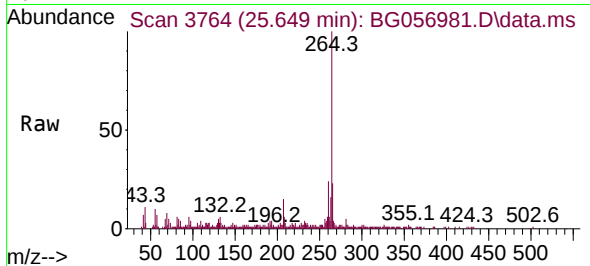
ClientSampleId :

HR-03-033123

Tgt Ion:264 Resp: 108739
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 22.8 17.8 26.6

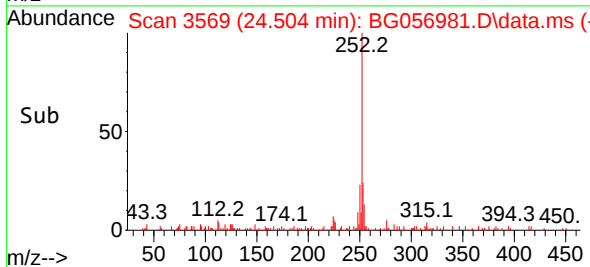
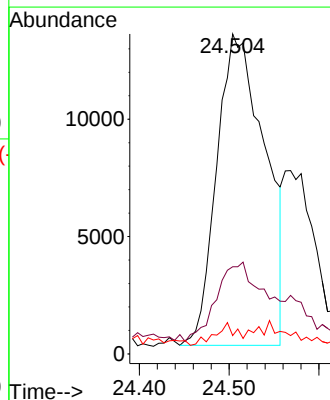
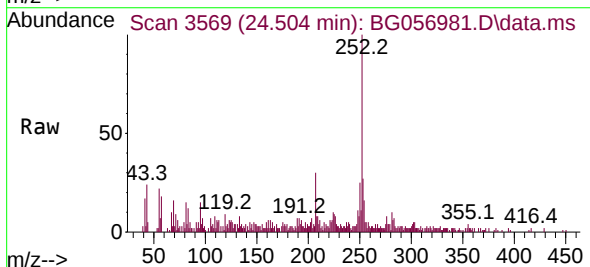
Manual Integrations
APPROVED

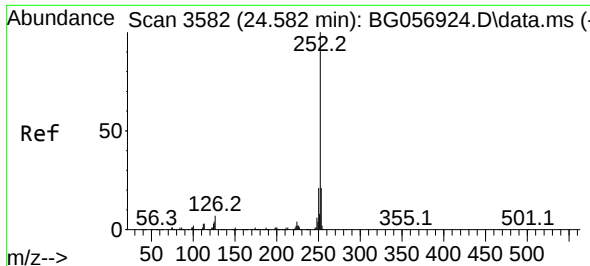
Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#88
Benzo(b)fluoranthene
Concen: 7.273 ng
RT: 24.504 min Scan# 3569
Delta R.T. -0.008 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

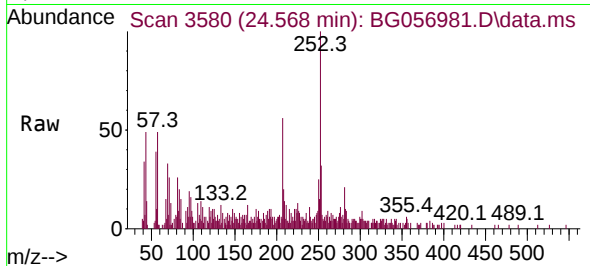
Tgt Ion:252 Resp: 49452
Ion Ratio Lower Upper
252 100
253 27.2 18.1 27.1#
125 5.7 4.2 6.4





#89
Benzo(k)fluoranthene
Concen: 2.788 ng m
RT: 24.568 min Scan# 3582
Delta R.T. -0.014 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50

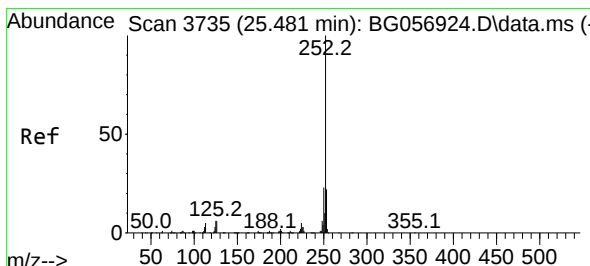
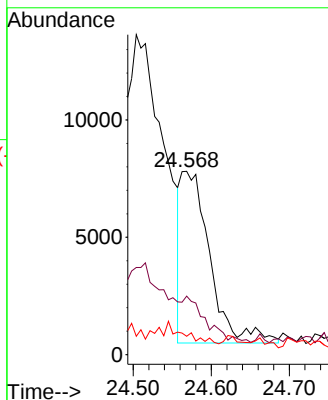
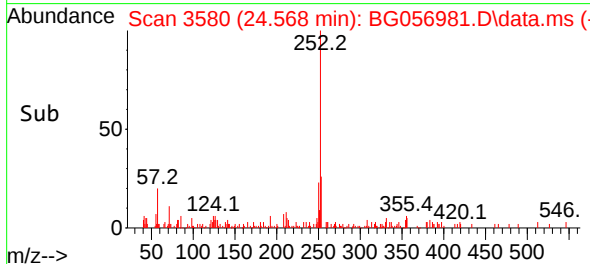
Instrument : BNA_G
ClientSampleId : HR-03-033123



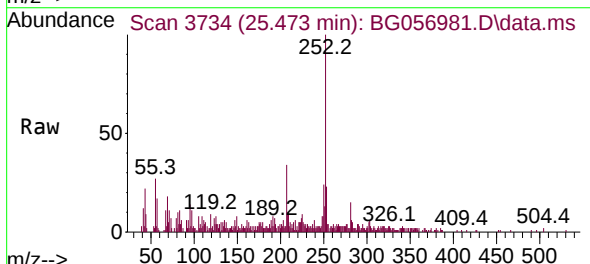
Tgt Ion:252 Resp: 18928
Ion Ratio Lower Upper
252 100
253 31.9 17.1 25.7
125 10.0 3.8 5.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/05/2023
Supervised By :Jagrut Upadhyay 04/05/2023



#90
Benzo(a)pyrene
Concen: 5.581 ng
RT: 25.473 min Scan# 3734
Delta R.T. -0.008 min
Lab File: BG056981.D
Acq: 5 Apr 2023 1:50



Tgt Ion:252 Resp: 37293
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 7.9 4.5 6.7

