

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
 Data File : BG055896.D
 Acq On : 5 Dec 2022 22:35
 Operator : CG/JU
 Sample : N5871-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-4-120222

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/06/2022
 Supervised By : Jagrut Upadhyay 12/06/2022

Quant Time: Dec 06 04:49:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 06 04:41:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.172	152	46593	20.000	ng	0.00
21) Naphthalene-d8	10.998	136	197667	20.000	ng	0.00
39) Acenaphthene-d10	14.800	164	128148	20.000	ng	0.00
64) Phenanthrene-d10	17.544	188	265343	20.000	ng	0.00
76) Chrysene-d12	21.827	240	243045	20.000	ng	0.00
86) Perylene-d12	25.188	264	258321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.705	112	262926	101.999	ng	0.00
7) Phenol-d6	7.332	99	340716	99.294	ng	0.00
23) Nitrobenzene-d5	9.347	82	218383	58.394	ng	0.00
42) 2,4,6-Tribromophenol	16.292	330	142411	78.920	ng	0.00
45) 2-Fluorobiphenyl	13.425	172	521543	60.971	ng	0.00
79) Terphenyl-d14	20.135	244	747434	61.510	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.585	178	35506	2.480	ng	98
75) Fluoranthene	19.582	202	162392	9.322	ng	97
78) Pyrene	19.947	202	157158	9.553	ng	99
81) Benzo(a)anthracene	21.809	228	117579	7.024	ng	99
83) Chrysene	21.874	228	108742m	6.824	ng	
87) Indeno(1,2,3-cd)pyrene	29.042	276	62198	2.939	ng	94
88) Benzo(b)fluoranthene	24.112	252	163905	9.743	ng	# 96
89) Benzo(k)fluoranthene	24.177	252	59687m	3.559	ng	
90) Benzo(a)pyrene	25.023	252	114749	7.949	ng	# 96
92) Benzo(g,h,i)perylene	30.258	276	52446	3.009	ng	# 87

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

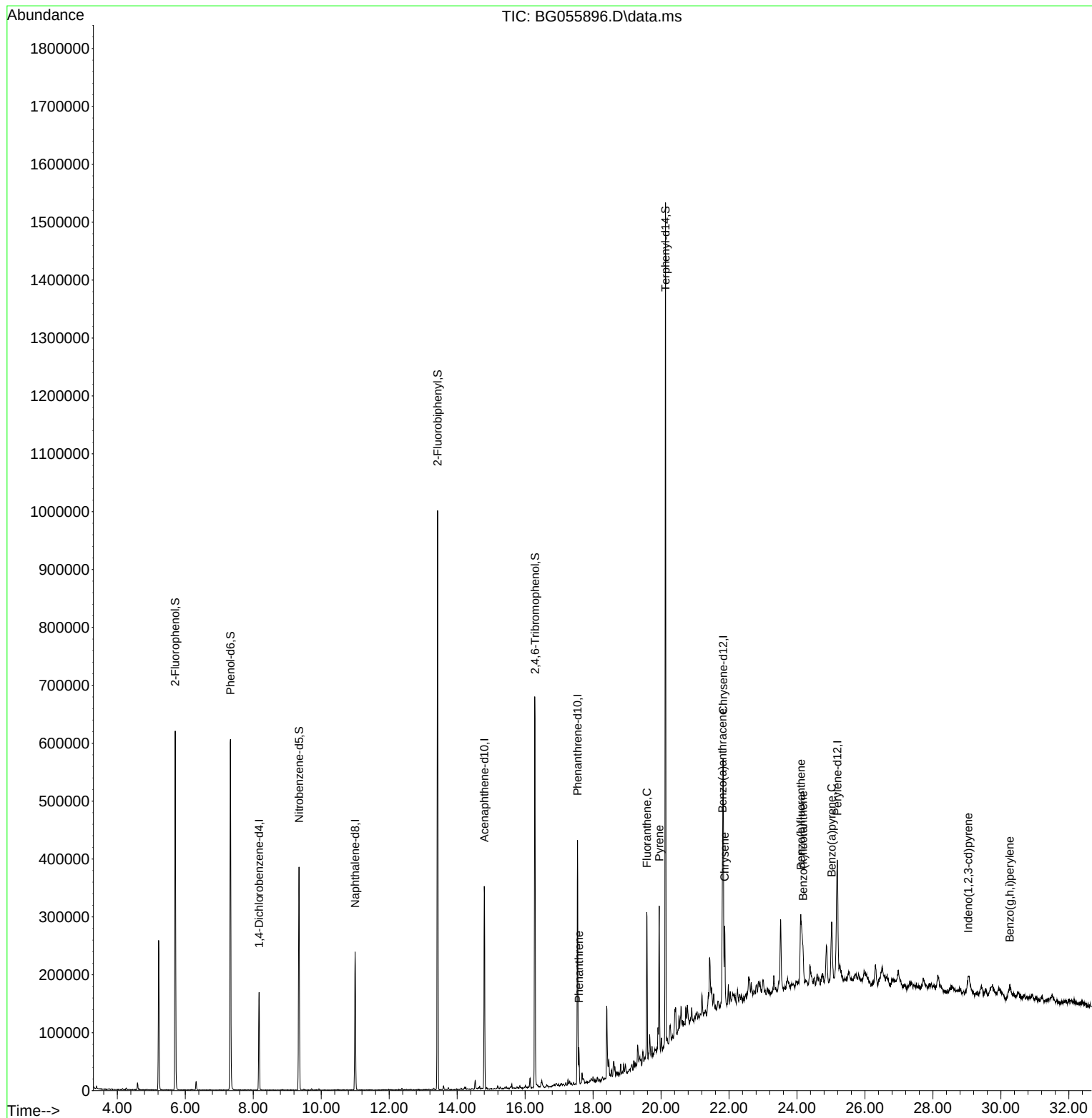
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120522\
Data File : BG055896.D
Acq On : 5 Dec 2022 22:35
Operator : CG/JU
Sample : N5871-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

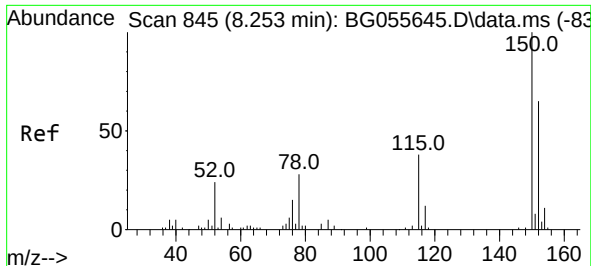
Instrument :
BNA_G
ClientSampleId :
SU-4-120222

Quant Time: Dec 06 04:49:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 06 04:41:17 2022
Response via : Initial Calibration

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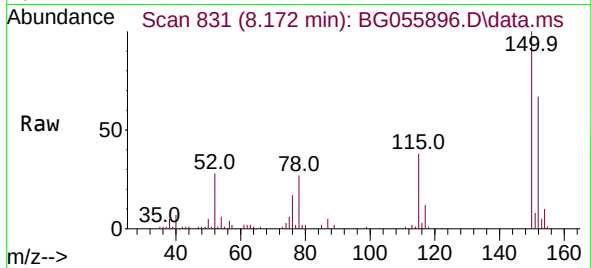
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.172 min Scan# 845
Delta R.T. -0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

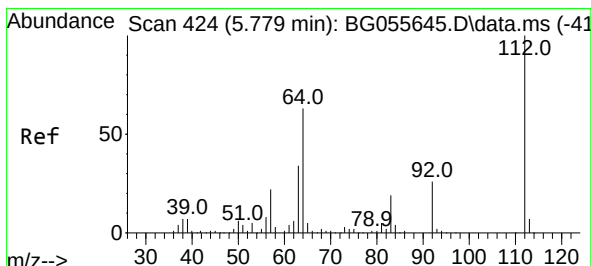
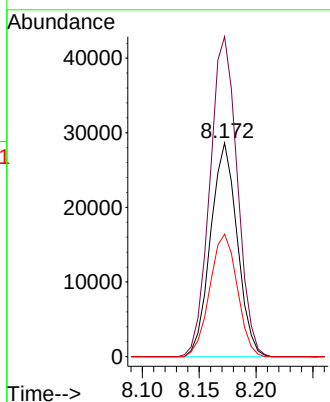
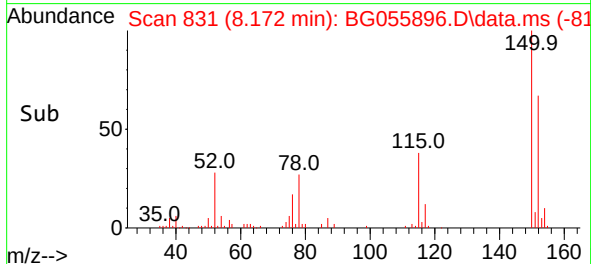
Instrument :
BNA_G
ClientSampleId :
SU-4-120222



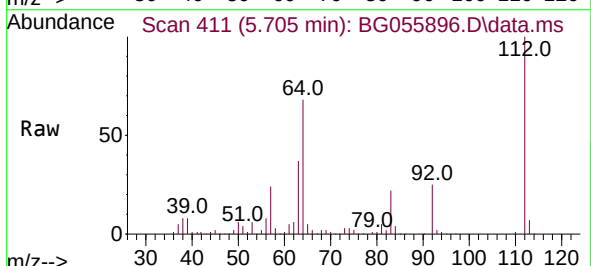
Tgt Ion:152 Resp: 46593
Ion Ratio Lower Upper
152 100
150 149.7 123.0 184.6
115 57.3 47.0 70.4

Manual Integrations
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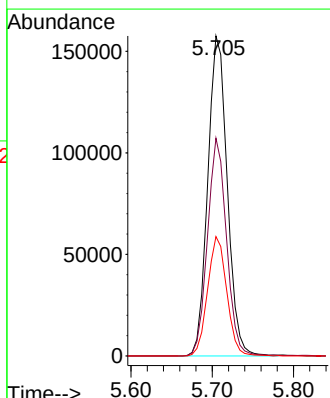
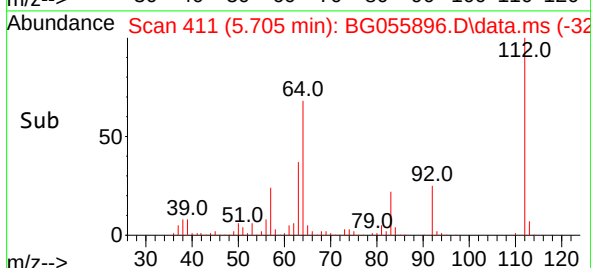
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

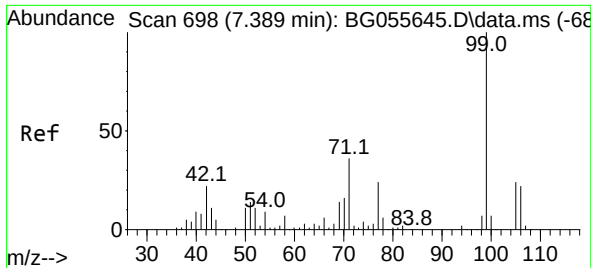


#5
2-Fluorophenol
Concen: 101.999 ng
RT: 5.705 min Scan# 411
Delta R.T. 0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35



Tgt Ion:112 Resp: 262926
Ion Ratio Lower Upper
112 100
64 68.0 50.6 76.0
63 37.3 27.5 41.3





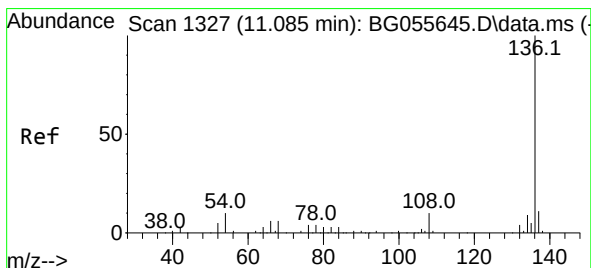
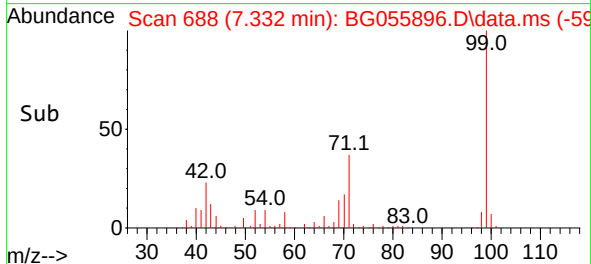
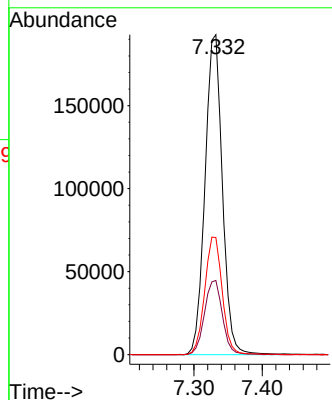
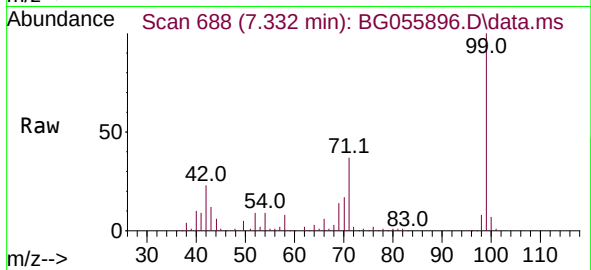
#7
Phenol-d6
Concen: 99.294 ng
RT: 7.332 min Scan# 688
Delta R.T. 0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

Instrument :
BNA_G
ClientSampleId :
SU-4-120222

Tgt Ion: 99 Resp: 340716
Ion Ratio Lower Upper
99 100
42 23.2 18.0 27.0
71 36.6 29.0 43.6

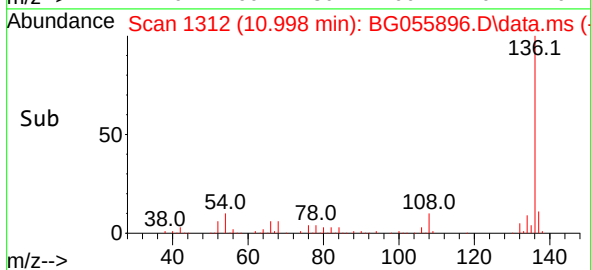
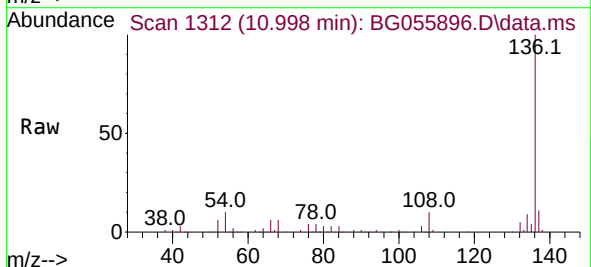
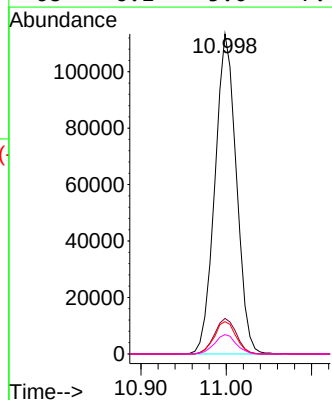
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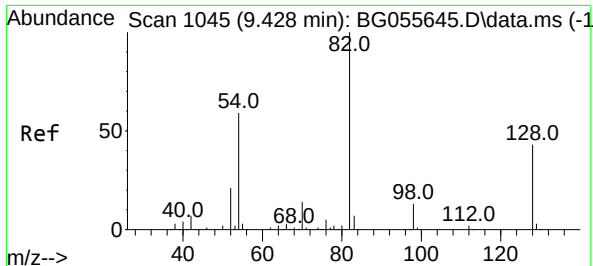
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.998 min Scan# 1312
Delta R.T. -0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

Tgt Ion:136 Resp: 197667
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.1 7.8 11.6
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 58.394 ng

RT: 9.347 min Scan# 1045

Delta R.T. -0.003 min

Lab File: BG055896.D

Acq: 5 Dec 2022 22:35

Instrument :

BNA_G

ClientSampleId :

SU-4-120222

Tgt Ion: 82 Resp: 21838

Ion Ratio Lower Upper

82 100

128 42.8 34.1 51.1

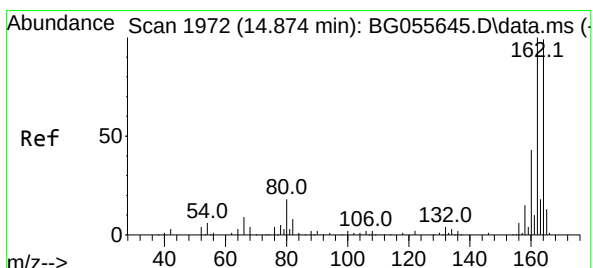
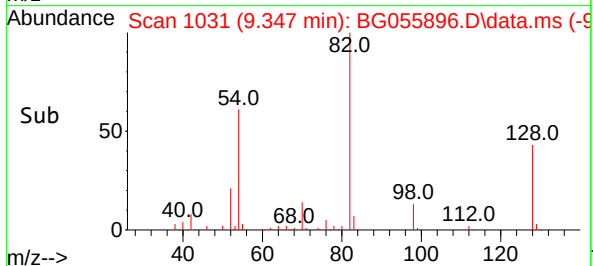
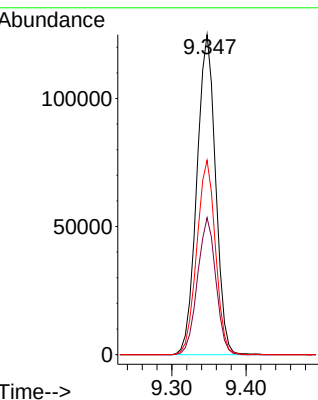
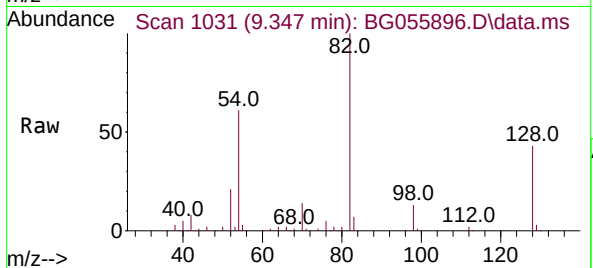
54 60.7 47.3 70.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.800 min Scan# 1959

Delta R.T. -0.009 min

Lab File: BG055896.D

Acq: 5 Dec 2022 22:35

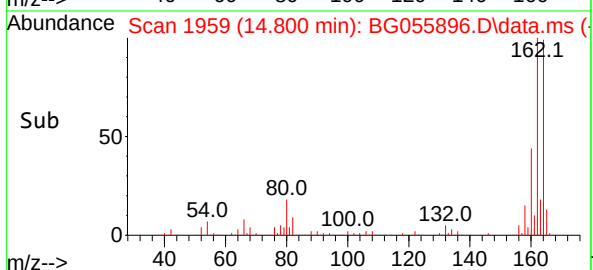
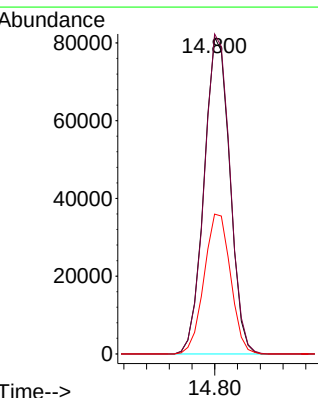
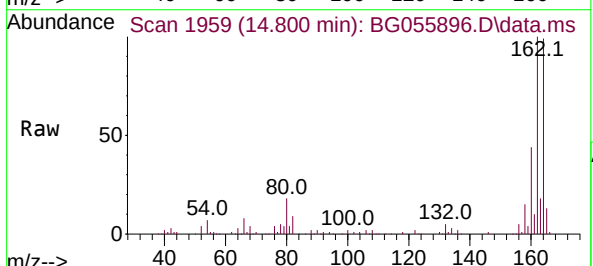
Tgt Ion:164 Resp: 128148

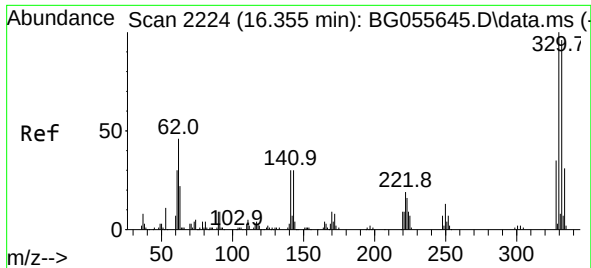
Ion Ratio Lower Upper

164 100

162 101.1 81.1 121.7

160 44.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 78.920 ng
RT: 16.292 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

Instrument :

BNA_G

ClientSampleId :

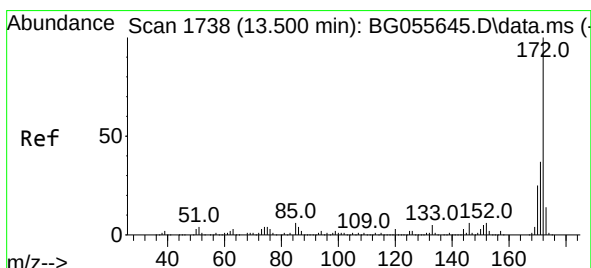
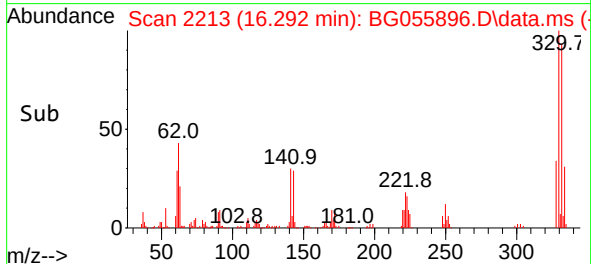
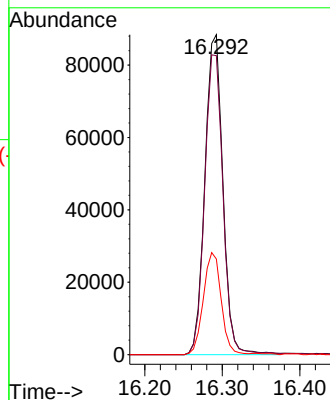
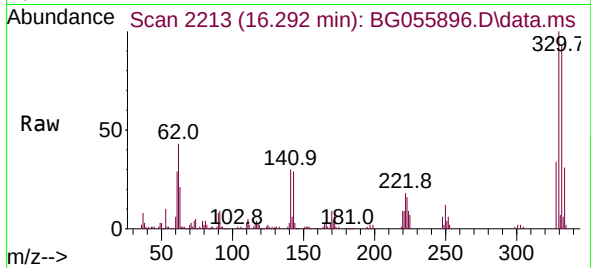
SU-4-120222

Tgt Ion:330 Resp: 14241
Ion Ratio Lower Upper
330 100
332 95.5 77.8 116.8
141 31.5 23.9 35.9

Manual Integrations

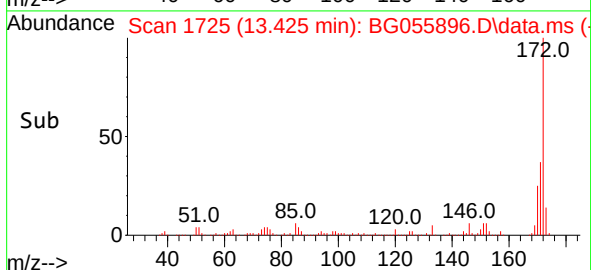
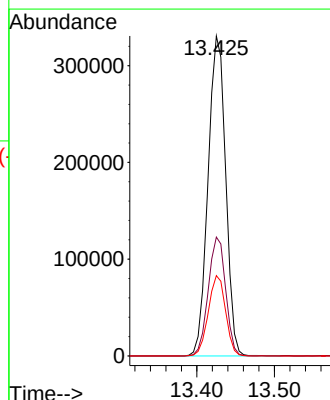
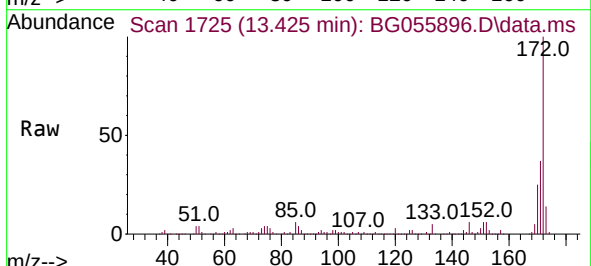
APPROVED

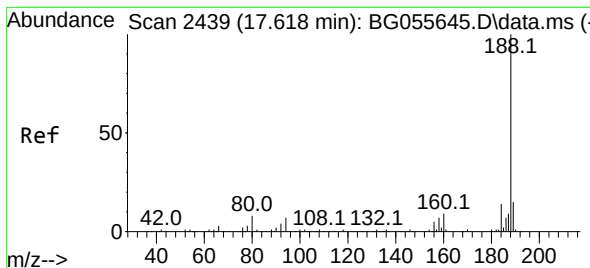
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#45
2-Fluorobiphenyl
Concen: 60.971 ng
RT: 13.425 min Scan# 1725
Delta R.T. -0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

Tgt Ion:172 Resp: 521543
Ion Ratio Lower Upper
172 100
171 37.1 29.8 44.6
170 25.1 20.2 30.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.544 min Scan# 2433

Delta R.T. -0.003 min

Lab File: BG055896.D

Acq: 5 Dec 2022 22:35

Instrument :

BNA_G

ClientSampleId :

SU-4-120222

Tgt Ion:188 Resp: 26534

Ion Ratio Lower Upper

188 100

94 7.7 5.4 8.2

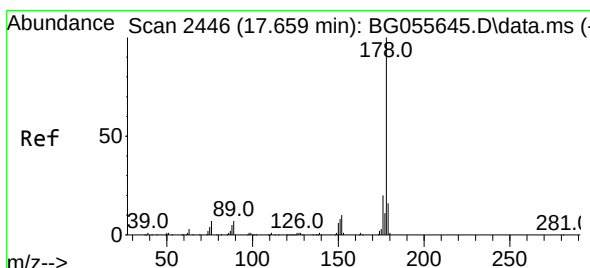
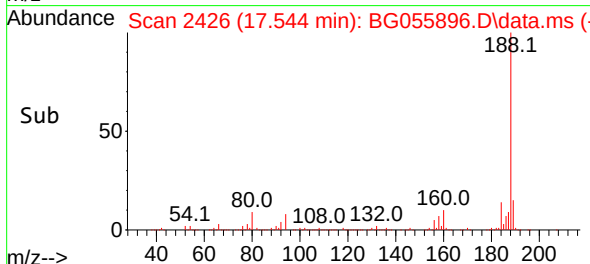
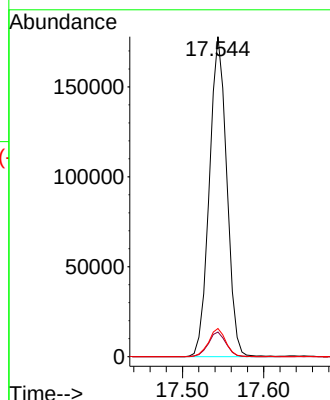
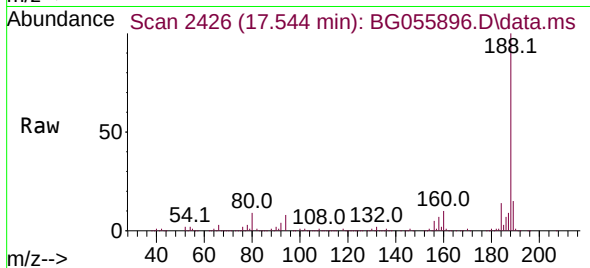
80 8.8 6.6 10.0

Manual Integrations

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Reviewed By :Christian Giraldo 12/06/2022

Supervised By :Jagrut Upadhyay 12/06/2022



#71

Phenanthrene

Concen: 2.480 ng

RT: 17.585 min Scan# 2433

Delta R.T. -0.009 min

Lab File: BG055896.D

Acq: 5 Dec 2022 22:35

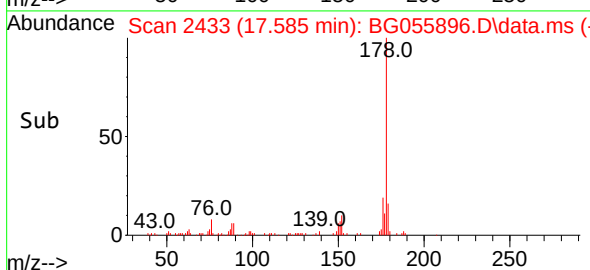
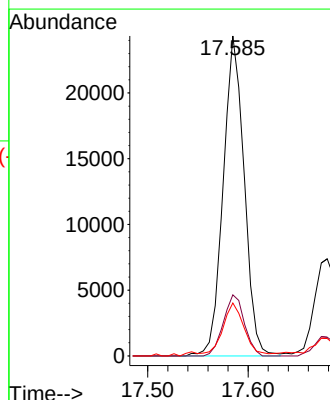
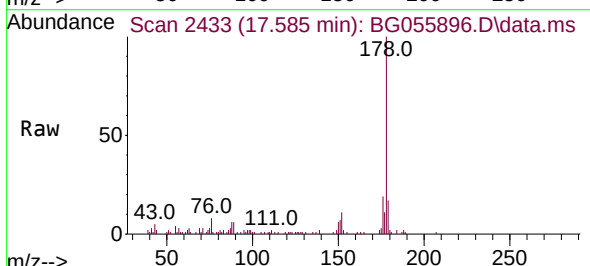
Tgt Ion:178 Resp: 35506

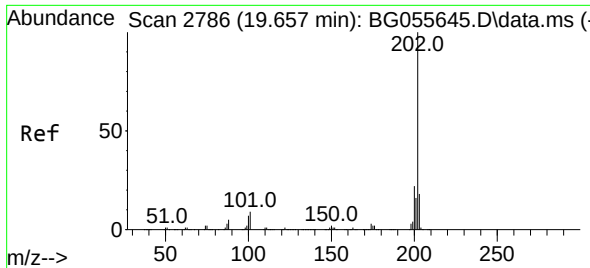
Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

179 16.5 12.7 19.1





#75
Fluoranthene
Concen: 9.322 ng
RT: 19.582 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

Instrument :

BNA_G

ClientSampleId :

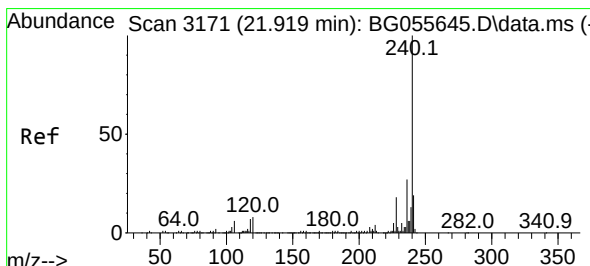
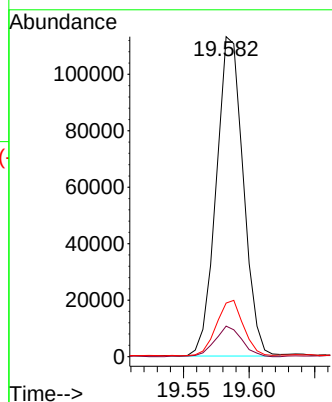
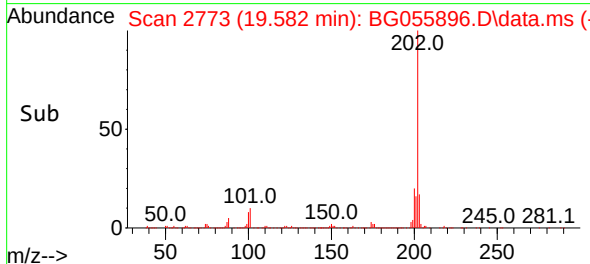
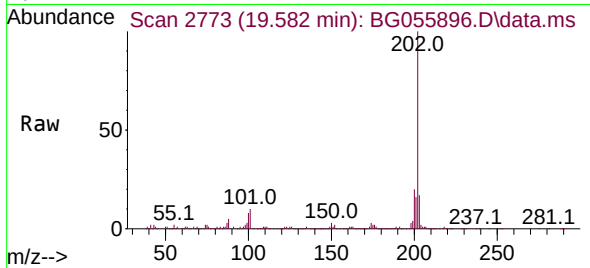
SU-4-120222

Tgt Ion:202 Resp: 162392
Ion Ratio Lower Upper
202 100
101 9.5 0.0 28.8
203 16.7 0.0 38.1

Manual Integrations

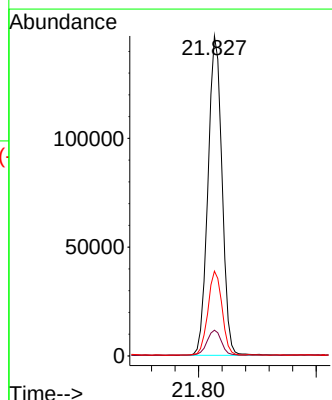
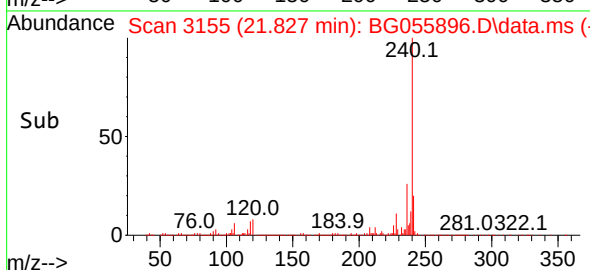
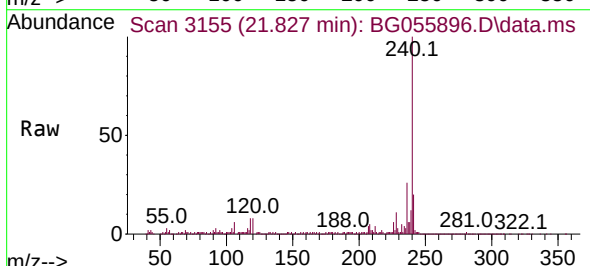
APPROVED

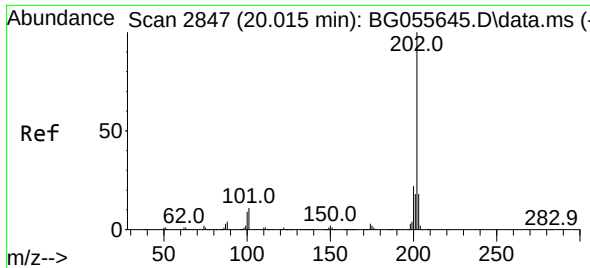
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.827 min Scan# 3155
Delta R.T. -0.009 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

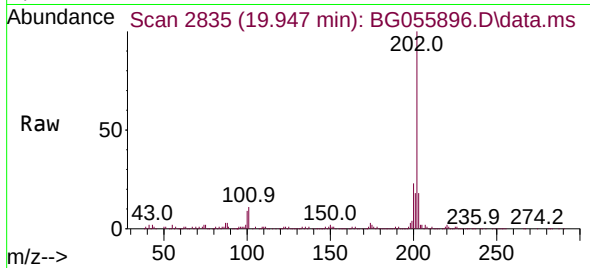
Tgt Ion:240 Resp: 243045
Ion Ratio Lower Upper
240 100
120 8.0 6.3 9.5
236 26.5 21.9 32.9





#78
Pyrene
Concen: 9.553 ng
RT: 19.947 min Scan# 2847
Delta R.T. -0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

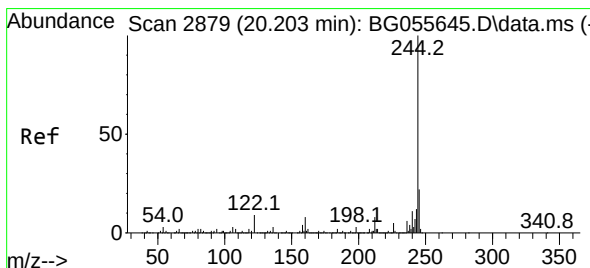
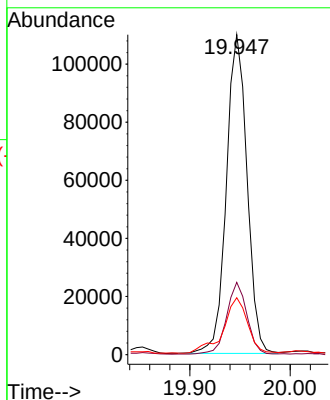
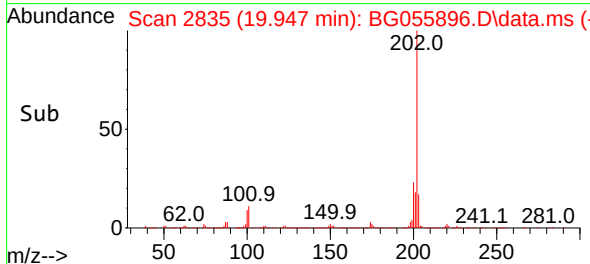
Instrument :
BNA_G
ClientSampleId :
SU-4-120222



Tgt Ion:202 Resp: 157158
Ion Ratio Lower Upper
202 100
200 22.6 17.8 26.6
203 17.8 14.4 21.6

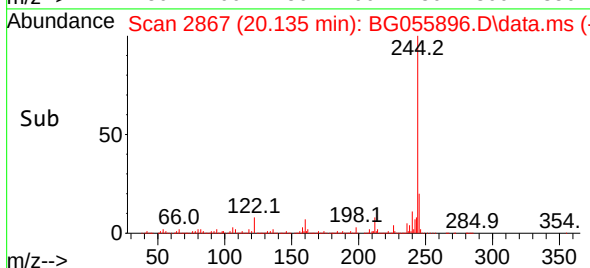
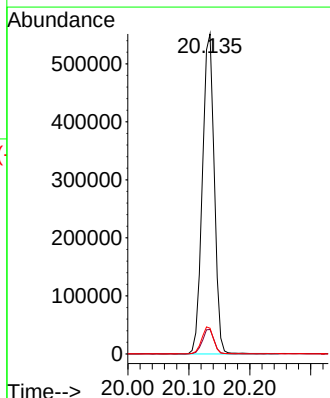
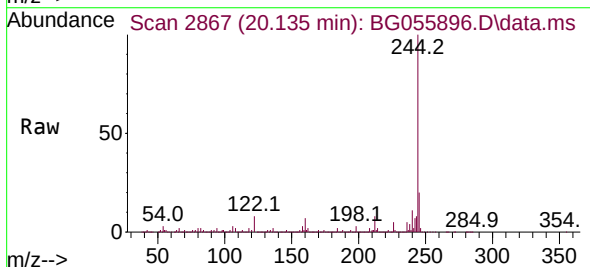
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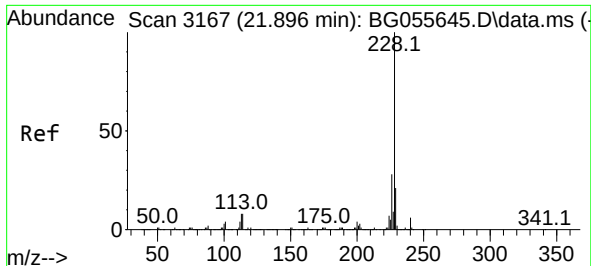
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022



#79
Terphenyl-d14
Concen: 61.510 ng
RT: 20.135 min Scan# 2867
Delta R.T. -0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

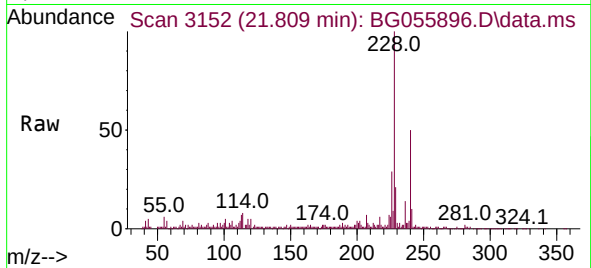
Tgt Ion:244 Resp: 747434
Ion Ratio Lower Upper
244 100
212 7.6 6.3 9.5
122 8.0 6.9 10.3





#81
Benzo(a)anthracene
Concen: 7.024 ng
RT: 21.809 min Scan# 3163
Delta R.T. -0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

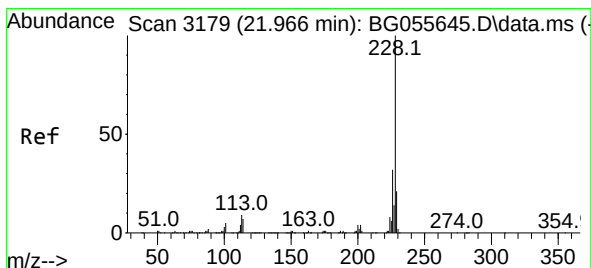
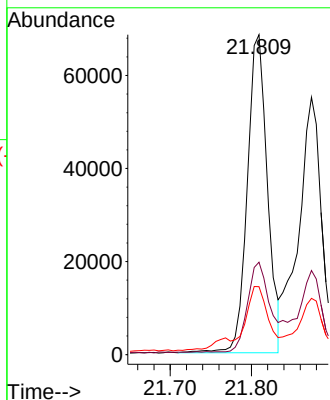
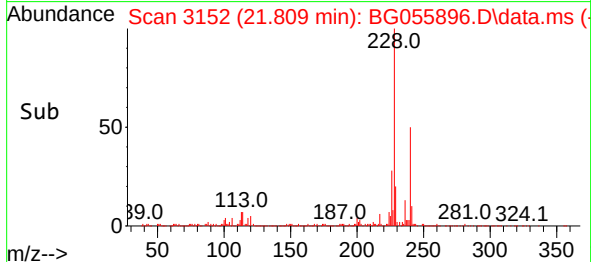
Instrument :
BNA_G
ClientSampleId :
SU-4-120222



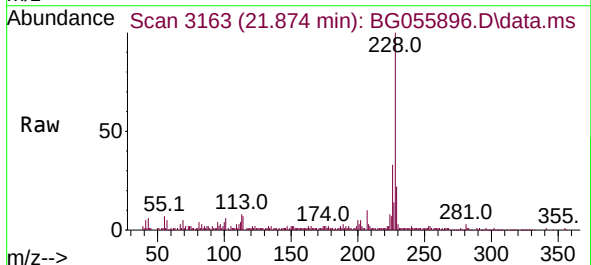
Tgt Ion:228 Resp: 117579
Ion Ratio Lower Upper
228 100
226 28.9 22.7 34.1
229 21.2 16.5 24.7

Manual Integrations
APPROVED

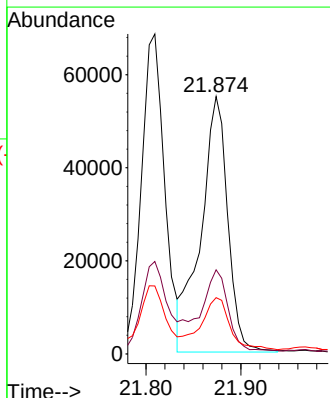
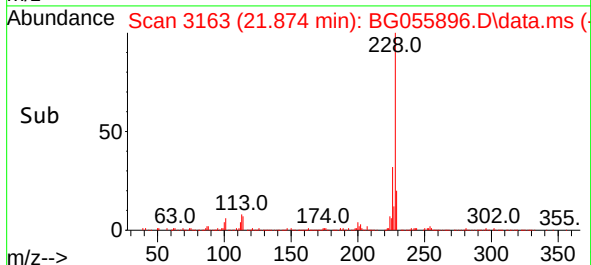
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

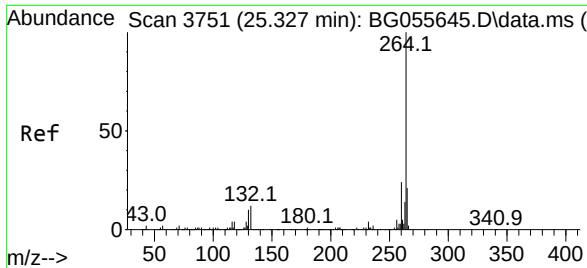


#83
Chrysene
Concen: 6.824 ng m
RT: 21.874 min Scan# 3163
Delta R.T. -0.009 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35



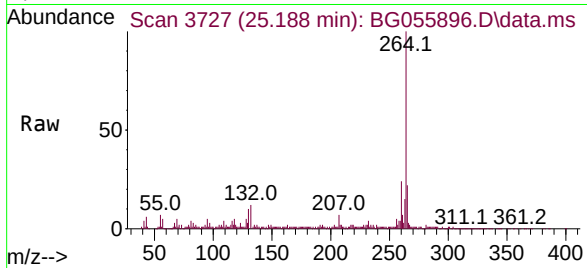
Tgt Ion:228 Resp: 108742
Ion Ratio Lower Upper
228 100
226 32.7 25.4 38.2
229 21.8 17.1 25.7





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.188 min Scan# 31
 Delta R.T. 0.009 min
 Lab File: BG055896.D
 Acq: 5 Dec 2022 22:35

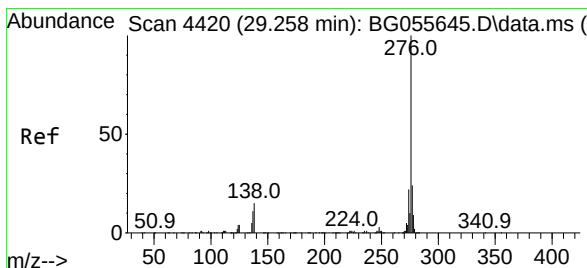
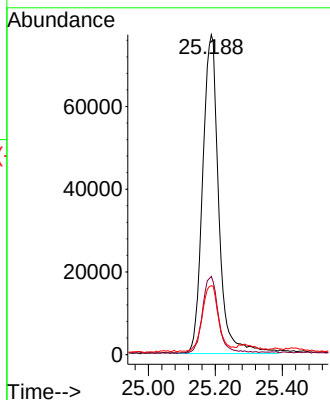
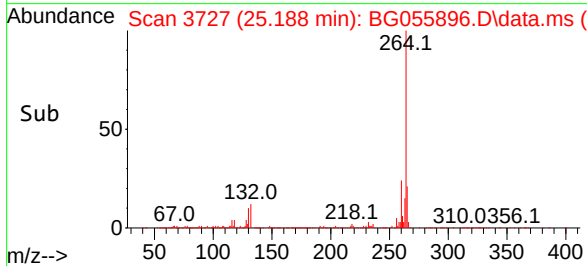
Instrument :
 BNA_G
 ClientSampleId :
 SU-4-120222



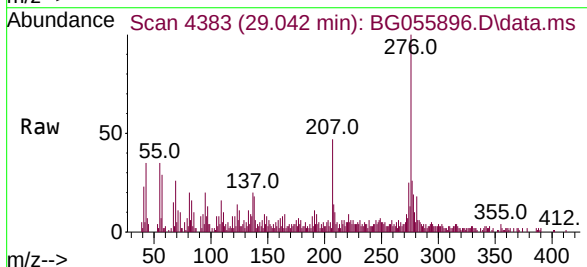
Tgt Ion:264 Resp: 25832
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 21.5 17.1 25.7

Manual Integrations
 APPROVED

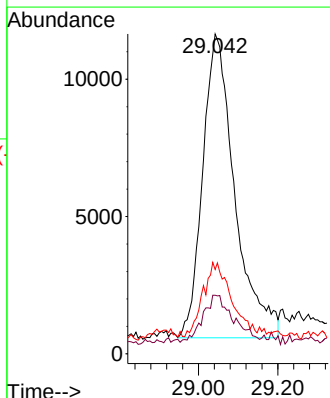
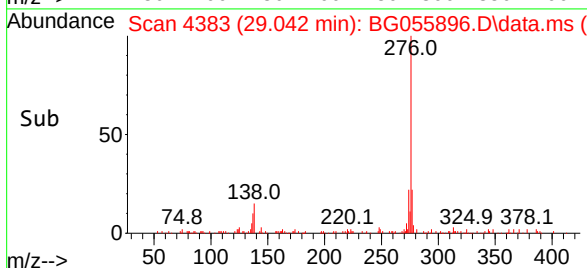
Reviewed By :Christian Giraldo 12/06/2022
 Supervised By :Jagrut Upadhyay 12/06/2022

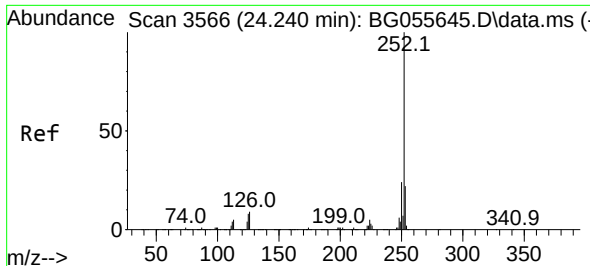


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.939 ng
 RT: 29.042 min Scan# 4383
 Delta R.T. -0.015 min
 Lab File: BG055896.D
 Acq: 5 Dec 2022 22:35



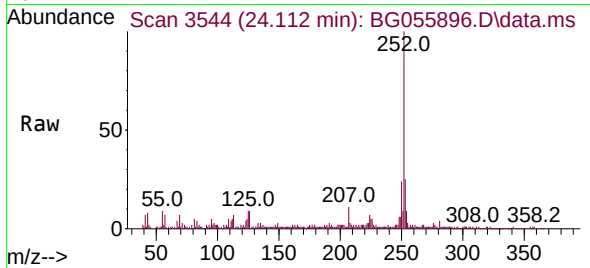
Tgt Ion:276 Resp: 62198
 Ion Ratio Lower Upper
 276 100
 138 11.9 10.4 15.6
 277 21.6 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 9.743 ng
RT: 24.112 min Scan# 3544
Delta R.T. -0.003 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35

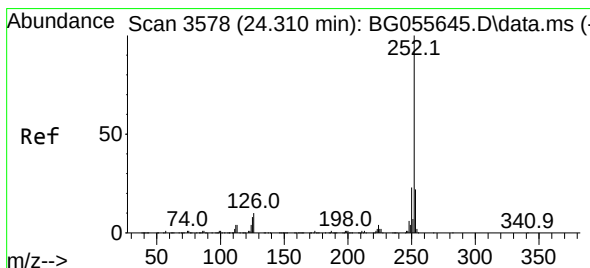
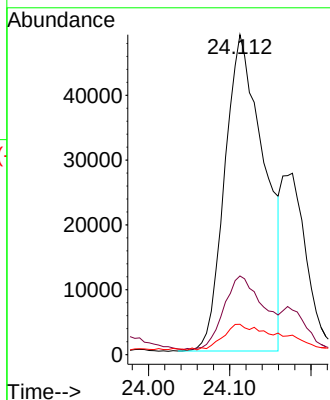
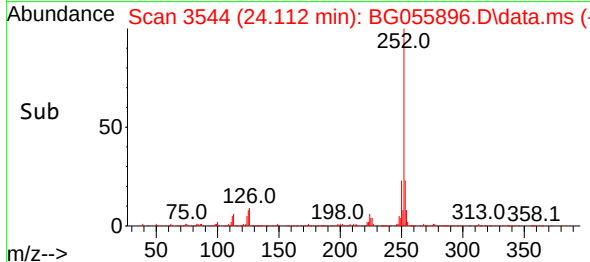
Instrument :
BNA_G
ClientSampleId :
SU-4-120222



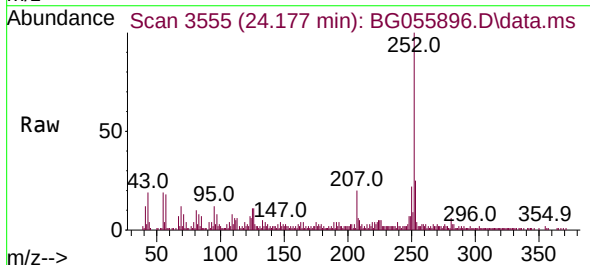
Tgt Ion:252 Resp: 163905
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 9.5 6.2 9.2

Manual Integrations
APPROVED

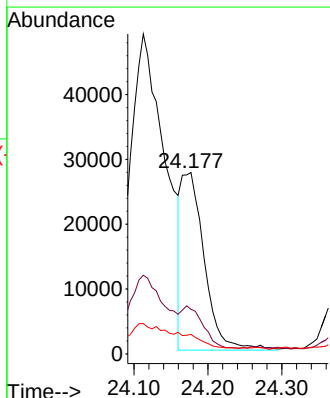
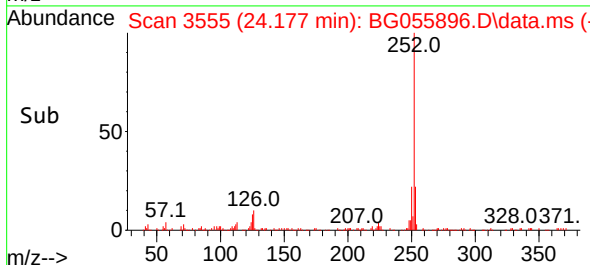
Reviewed By :Christian Giraldo 12/06/2022
Supervised By :Jagrut Upadhyay 12/06/2022

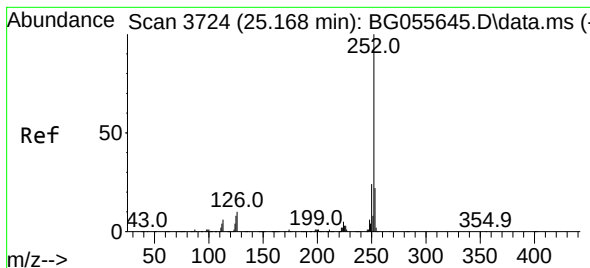


#89
Benzo(k)fluoranthene
Concen: 3.559 ng m
RT: 24.177 min Scan# 3555
Delta R.T. -0.009 min
Lab File: BG055896.D
Acq: 5 Dec 2022 22:35



Tgt Ion:252 Resp: 59687
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 10.7 6.1 9.1





#90

Benzo(a)pyrene

Concen: 7.949 ng

RT: 25.023 min Scan# 30

Delta R.T. -0.003 min

Lab File: BG055896.D

Acq: 5 Dec 2022 22:35

Instrument :

BNA_G

ClientSampleId :

SU-4-120222

Tgt Ion:252 Resp: 114749

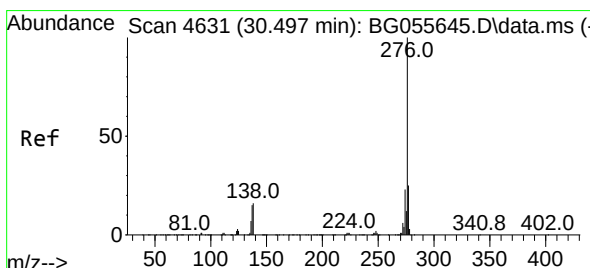
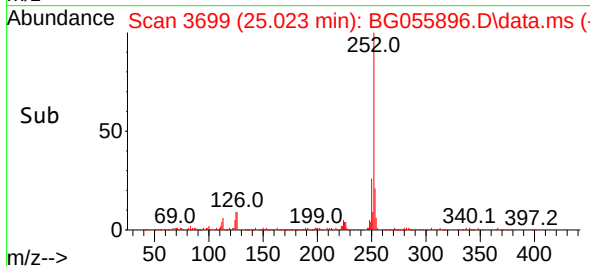
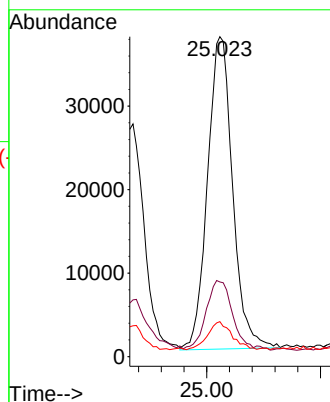
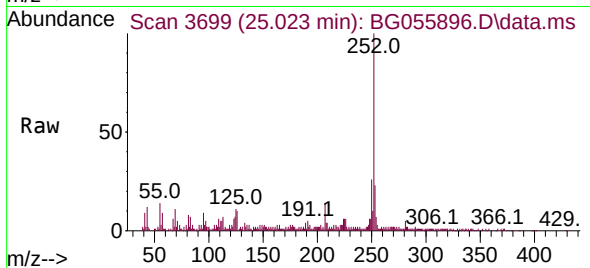
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	10.9	6.4	9.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/06/2022

Supervised By :Jagrut Upadhyay 12/06/2022



#92

Benzo(g,h,i)perylene

Concen: 3.009 ng

RT: 30.258 min Scan# 4590

Delta R.T. -0.009 min

Lab File: BG055896.D

Acq: 5 Dec 2022 22:35

Tgt Ion:276 Resp: 52446

Ion	Ratio	Lower	Upper
276	100		
277	30.1	19.8	29.6
138	23.1	13.1	19.7

