

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111222\
 Data File : BG055596.D
 Acq On : 12 Nov 2022 19:26
 Operator : CG/JU
 Sample : N5580-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-02-111022

Quant Time: Nov 14 03:30:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 03:39:46 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/14/2022
 Supervised By : Jagrut Upadhyay 11/14/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	60441	20.000	ng	0.00
21) Naphthalene-d8	11.096	136	251145	20.000	ng	0.00
39) Acenaphthene-d10	14.886	164	163251	20.000	ng	0.00
64) Phenanthrene-d10	17.624	188	335143	20.000	ng	0.00
76) Chrysene-d12	21.925	240	310326	20.000	ng	0.00
86) Perylene-d12	25.356	264	328454	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	335117	105.608	ng	0.00
7) Phenol-d6	7.401	99	434147	99.047	ng	0.00
23) Nitrobenzene-d5	9.440	82	268904	72.586	ng	0.00
42) 2,4,6-Tribromophenol	16.367	330	184792	116.014	ng	0.00
45) 2-Fluorobiphenyl	13.511	172	616969	57.006	ng	0.00
79) Terphenyl-d14	20.215	244	854923	55.334	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.665	178	103364	5.739	ng	99
75) Fluoranthene	19.663	202	299566	13.947	ng	99
78) Pyrene	20.027	202	306553	14.596	ng	99
81) Benzo(a)anthracene	21.907	228	193445	9.101	ng	98
83) Chrysene	21.972	228	209926m	10.386	ng	
87) Indeno(1,2,3-cd)pyrene	29.293	276	159723	6.385	ng	94
88) Benzo(b)fluoranthene	24.263	252	316858	15.225	ng	100
89) Benzo(k)fluoranthene	24.322	252	120777m	5.677	ng	
90) Benzo(a)pyrene	25.186	252	237372	13.241	ng	97
91) Dibenzo(a,h)anthracene	29.352	278	45795	2.211	ng	# 85
92) Benzo(g,h,i)perylene	30.527	276	146927	7.258	ng	100

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

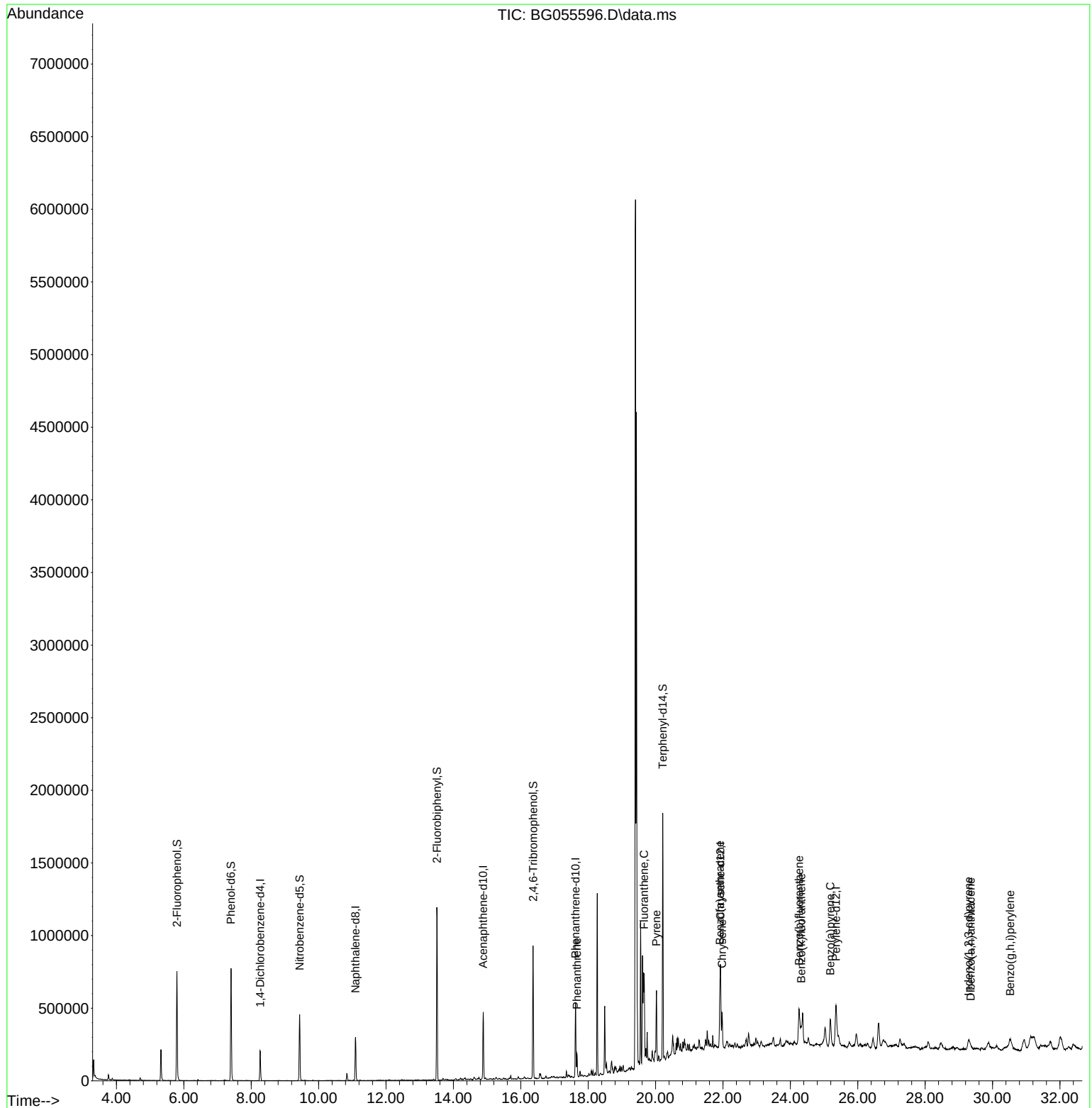
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111222\
Data File : BG055596.D
Acq On : 12 Nov 2022 19:26
Operator : CG/JU
Sample : N5580-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

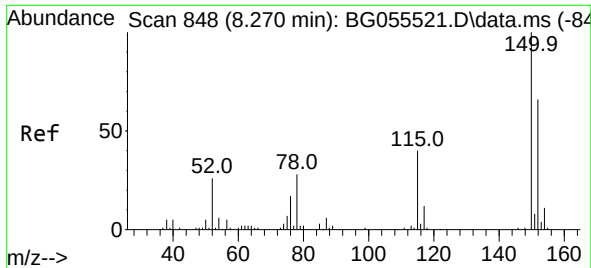
Instrument :
BNA_G
ClientSampleId :
SU-02-111022

Quant Time: Nov 14 03:30:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 10 03:39:46 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

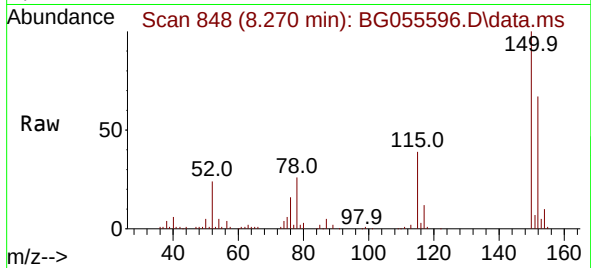
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 848
Delta R.T. 0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

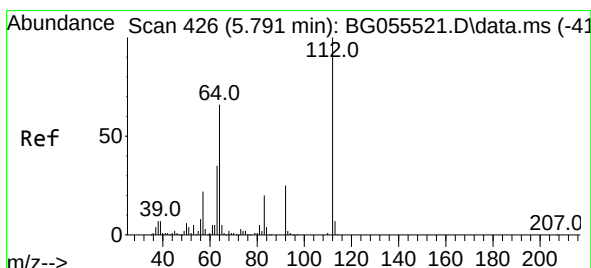
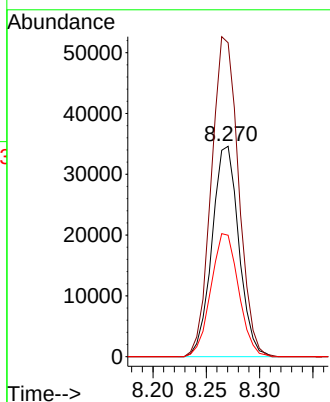
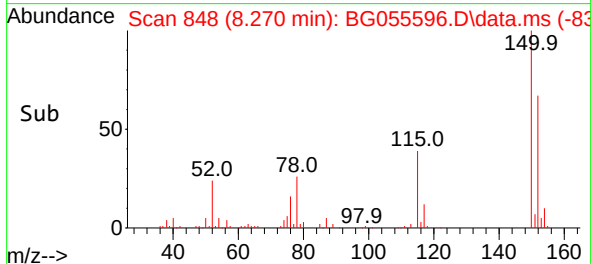
Instrument :
BNA_G
ClientSampleId :
SU-02-111022



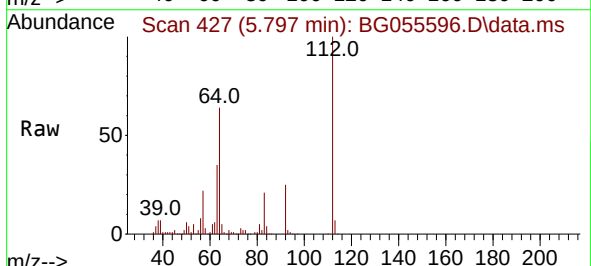
Tgt Ion:152 Resp: 6044
Ion Ratio Lower Upper
152 100
150 149.2 121.0 181.4
115 57.8 47.8 71.8

Manual Integrations
APPROVED

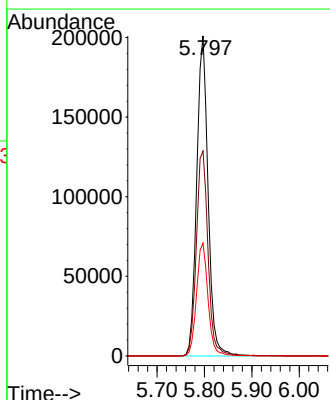
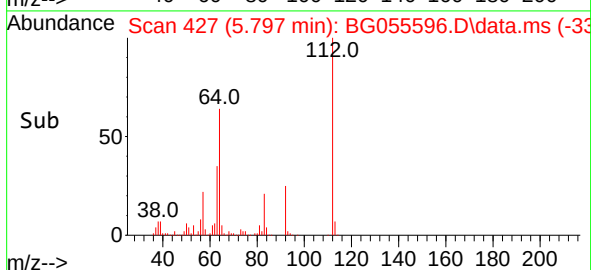
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

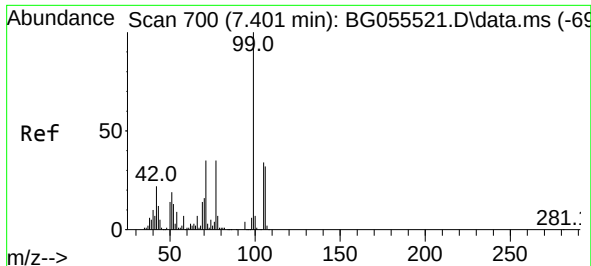


#5
2-Fluorophenol
Concen: 105.608 ng
RT: 5.797 min Scan# 427
Delta R.T. 0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26



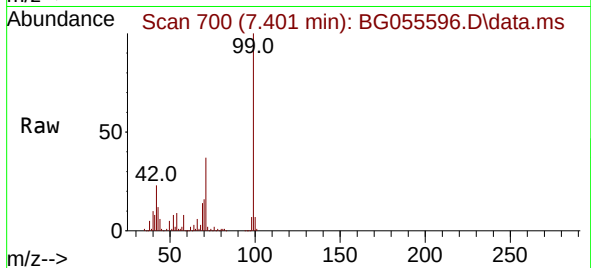
Tgt Ion:112 Resp: 335117
Ion Ratio Lower Upper
112 100
64 64.1 52.6 78.8
63 35.3 28.3 42.5





#7
Phenol-d6
Concen: 99.047 ng
RT: 7.401 min Scan# 700
Delta R.T. -0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

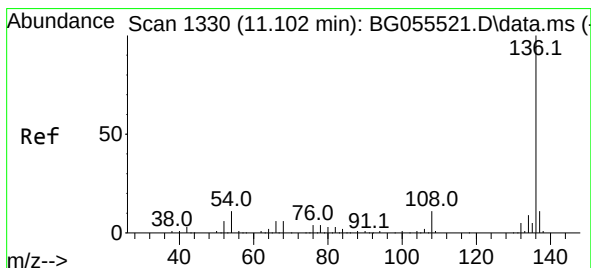
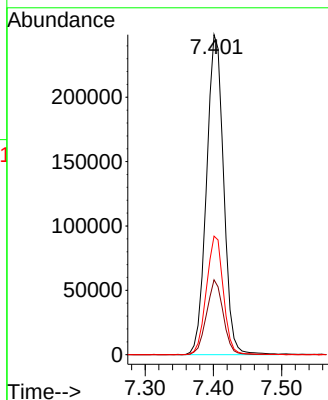
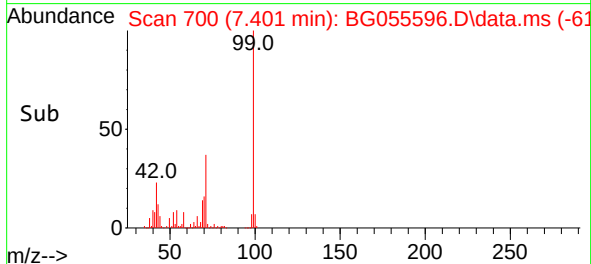
Instrument :
BNA_G
ClientSampleId :
SU-02-111022



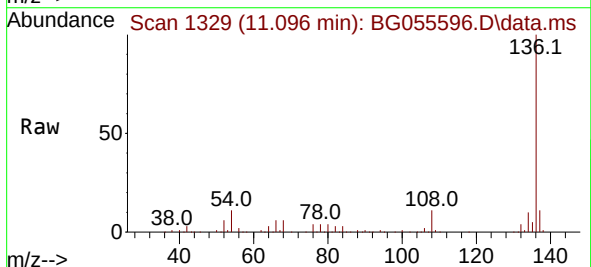
Tgt Ion: 99 Resp: 43414
Ion Ratio Lower Upper
99 100
42 23.4 17.5 26.3
71 37.1 28.3 42.5

Manual Integrations
APPROVED

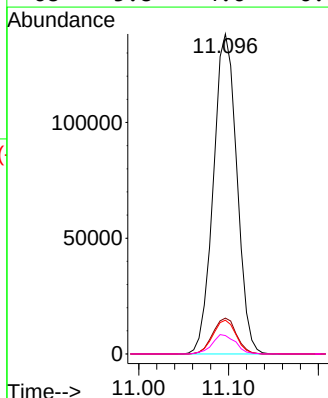
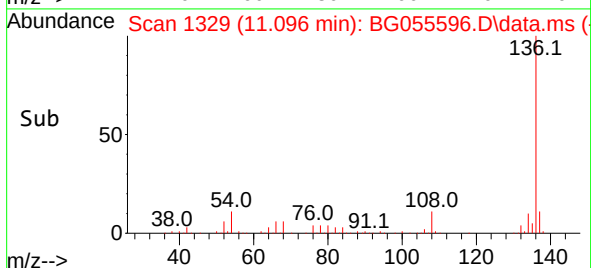
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

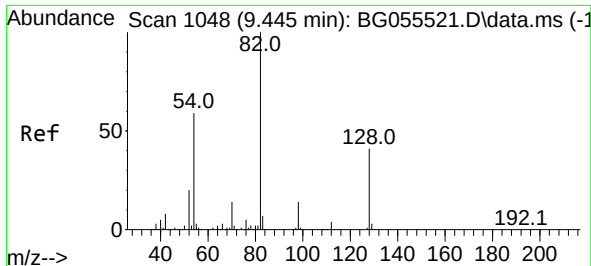


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.096 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26



Tgt Ion:136 Resp: 251145
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 10.6 8.6 12.8
68 5.8 4.6 6.8





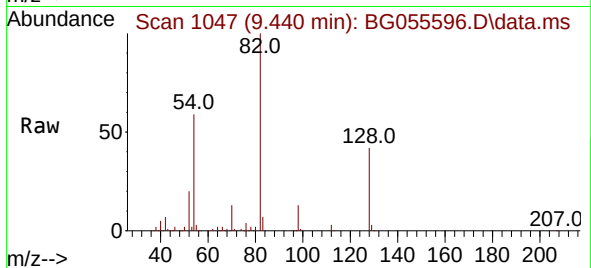
#23
Nitrobenzene-d5
Concen: 72.586 ng
RT: 9.440 min Scan# 1047
Delta R.T. -0.005 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Instrument :

BNA_G

ClientSampleId :

SU-02-111022

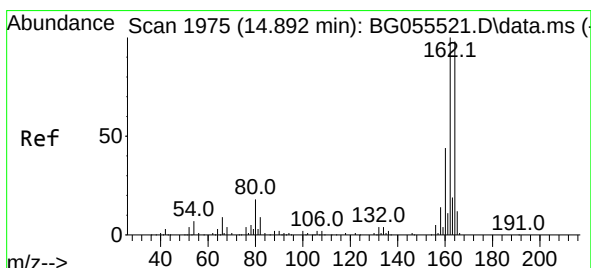
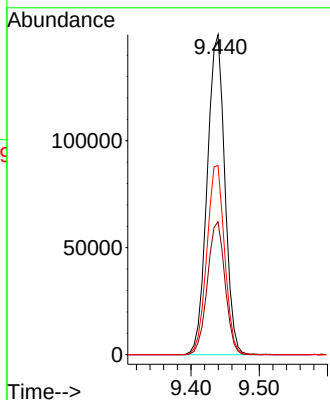
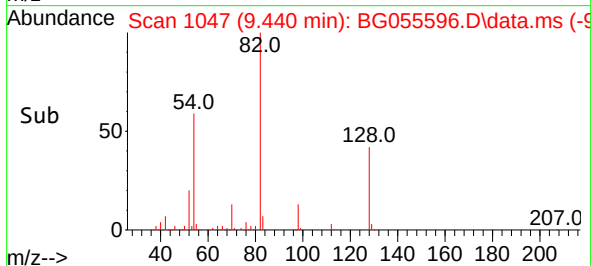


Tgt Ion: 82 Resp: 268904
Ion Ratio Lower Upper
82 100
128 41.5 32.6 49.0
54 59.1 47.3 70.9

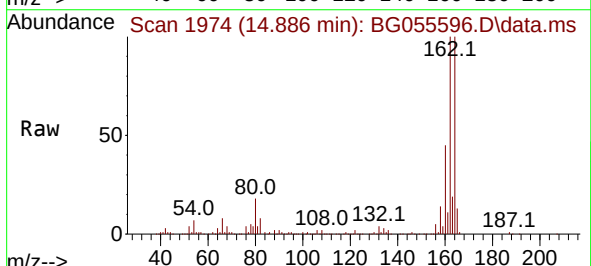
Manual Integrations

APPROVED

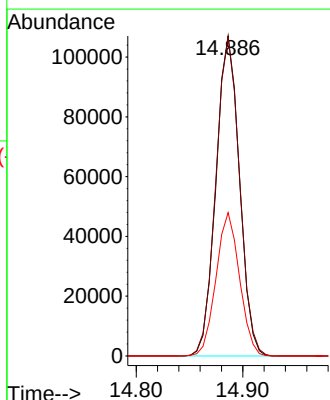
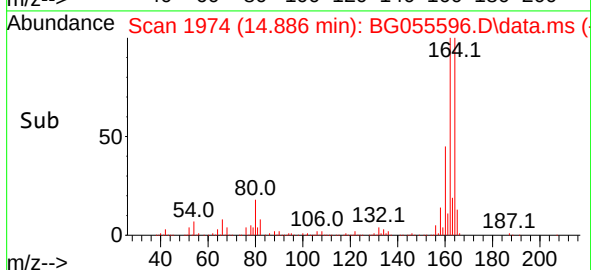
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

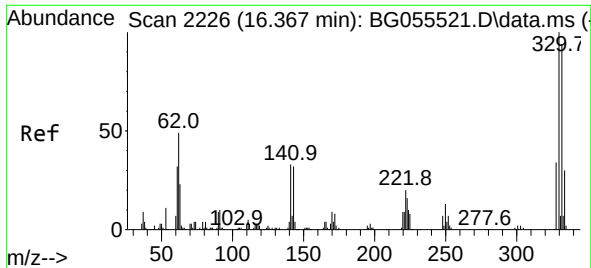


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.886 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26



Tgt Ion:164 Resp: 163251
Ion Ratio Lower Upper
164 100
162 99.6 81.3 121.9
160 44.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 116.014 ng
RT: 16.367 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Instrument :

BNA_G

ClientSampleId :

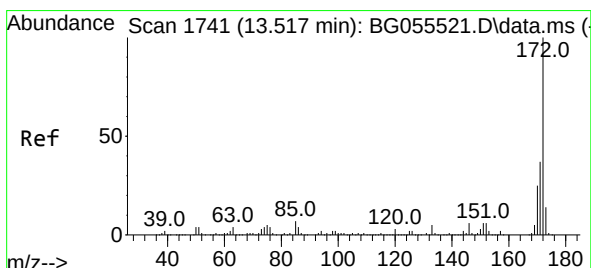
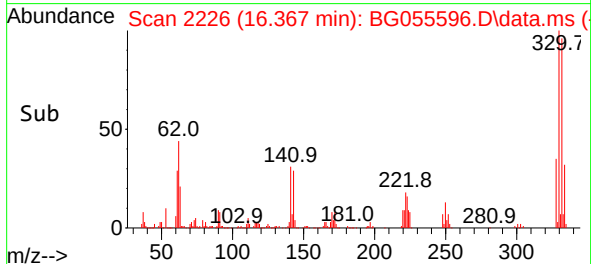
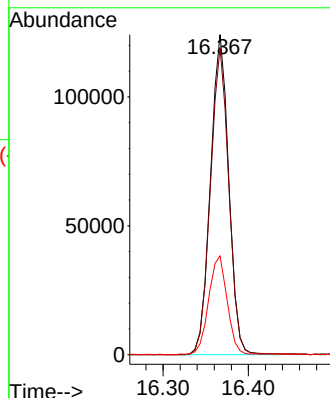
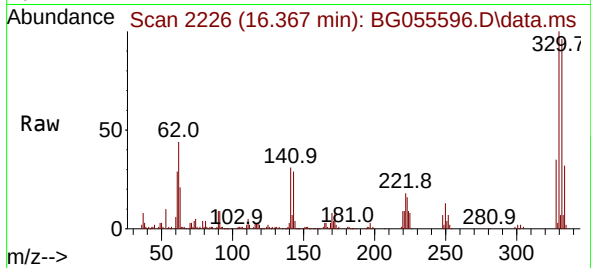
SU-02-111022

Tgt Ion:330 Resp: 184792
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 31.4 25.4 38.2

Manual Integrations

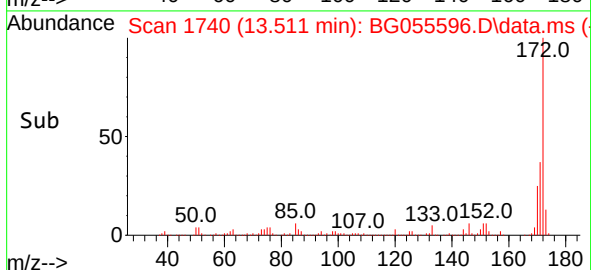
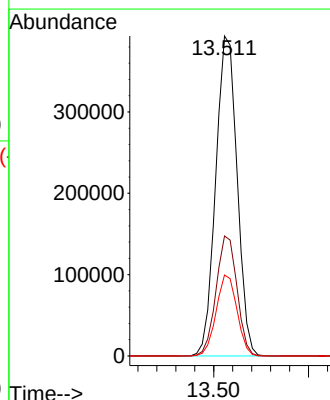
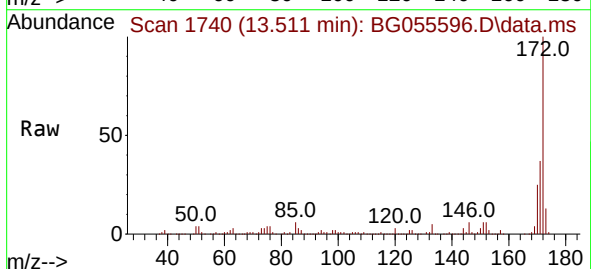
APPROVED

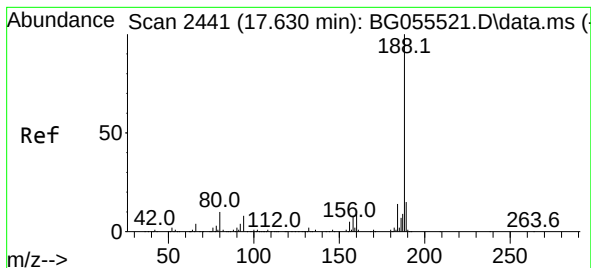
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#45
2-Fluorobiphenyl
Concen: 57.006 ng
RT: 13.511 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

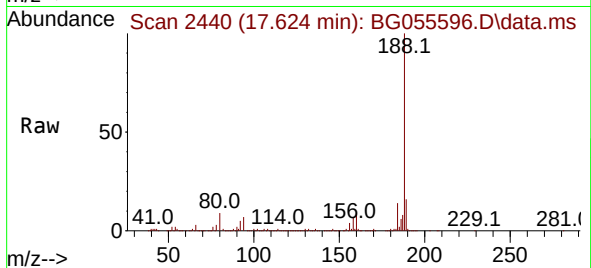
Tgt Ion:172 Resp: 616969
Ion Ratio Lower Upper
172 100
171 37.5 29.7 44.5
170 25.3 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.624 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

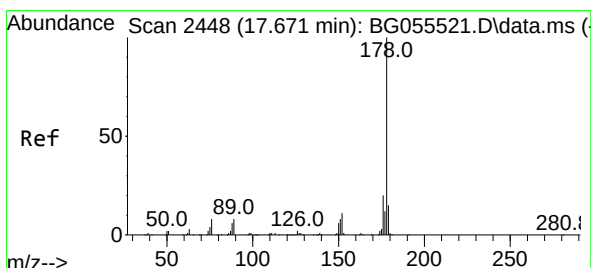
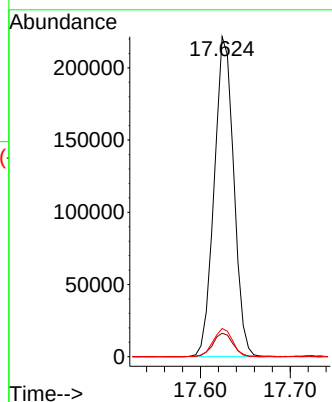
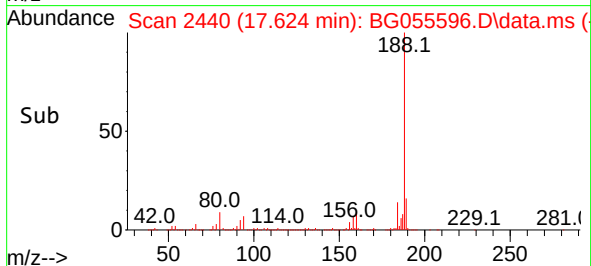
Instrument :
BNA_G
ClientSampleId :
SU-02-111022



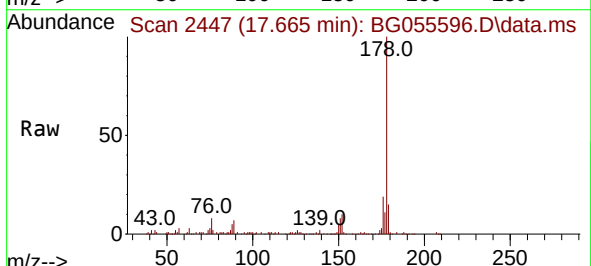
Tgt Ion:188 Resp: 33514
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 8.8 7.6 11.4

Manual Integrations
APPROVED

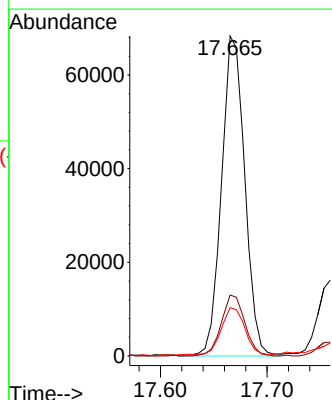
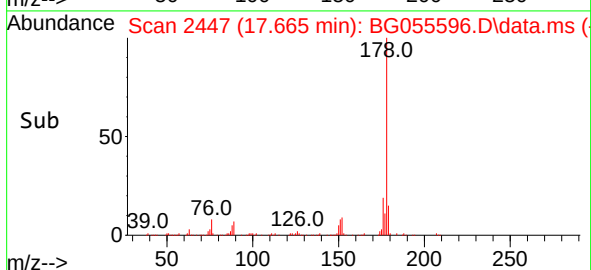
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

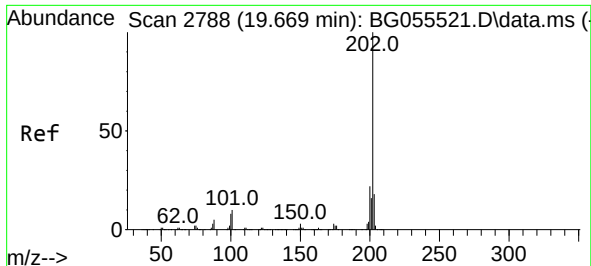


#71
Phenanthrene
Concen: 5.739 ng
RT: 17.665 min Scan# 2447
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26



Tgt Ion:178 Resp: 103364
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 15.1 12.2 18.4





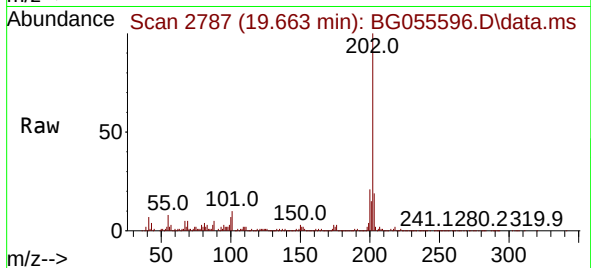
#75
Fluoranthene
Concen: 13.947 ng
RT: 19.663 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Instrument :

BNA_G

ClientSampleId :

SU-02-111022

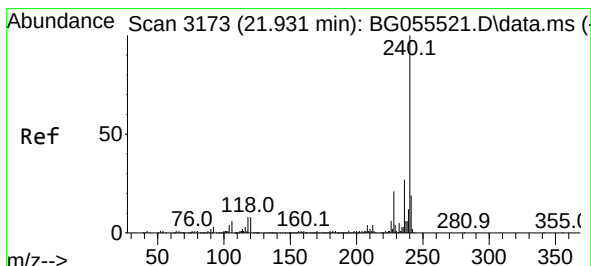
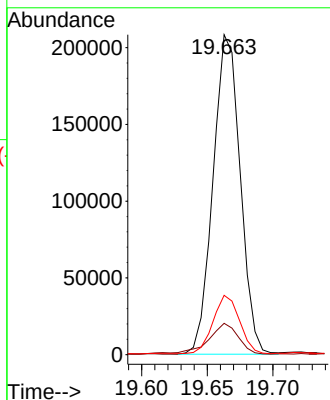
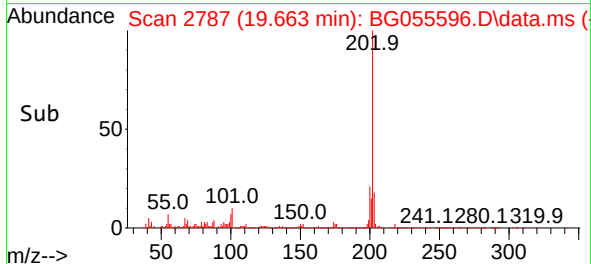


Tgt Ion:202 Resp: 299560
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.8
203 18.6 0.0 38.2

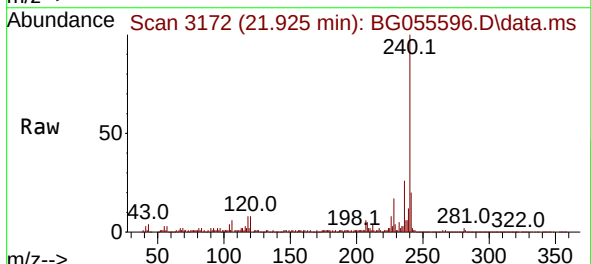
Manual Integrations

APPROVED

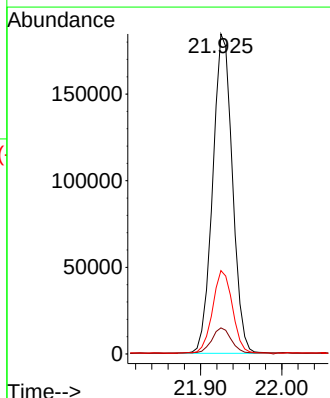
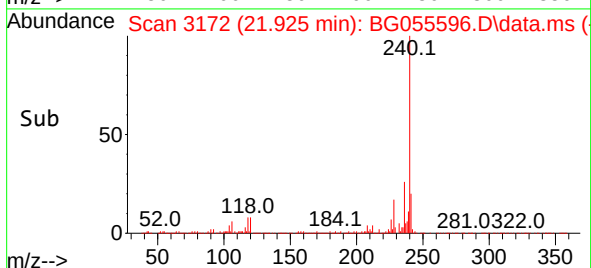
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

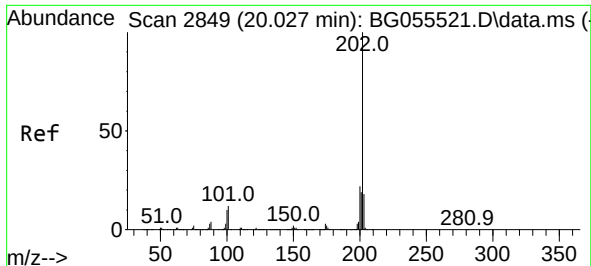


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26



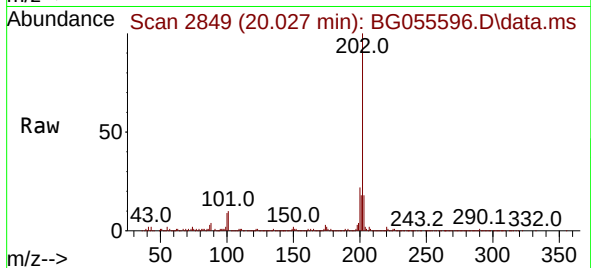
Tgt Ion:240 Resp: 310326
Ion Ratio Lower Upper
240 100
120 8.2 6.1 9.1
236 26.0 21.4 32.0





#78
Pyrene
Concen: 14.596 ng
RT: 20.027 min Scan# 2849
Delta R.T. 0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

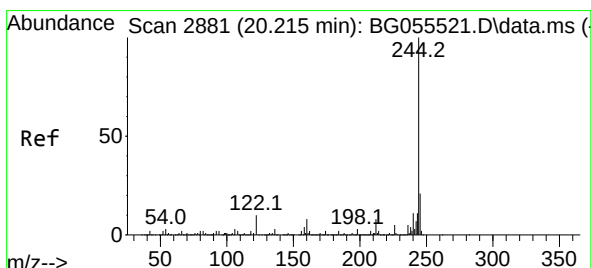
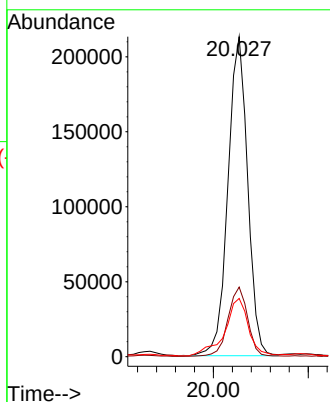
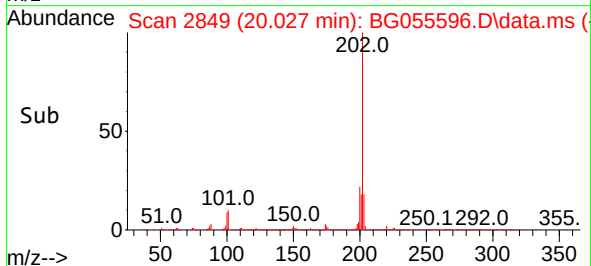
Instrument :
BNA_G
ClientSampleId :
SU-02-111022



Tgt Ion:202 Resp: 30655
Ion Ratio Lower Upper
202 100
200 21.8 18.0 27.0
203 18.2 14.2 21.2

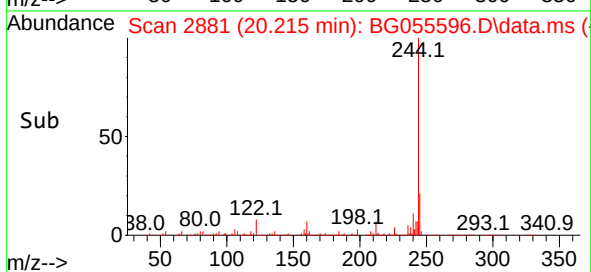
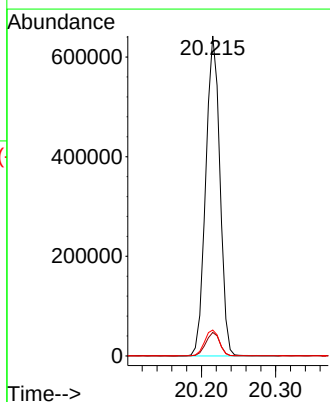
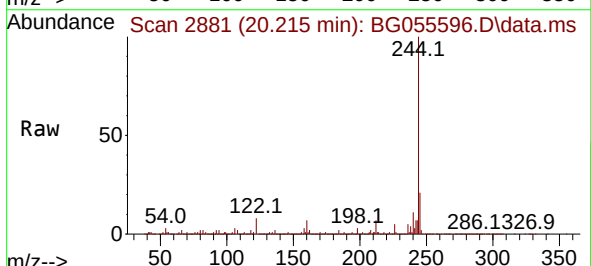
Manual Integrations
APPROVED

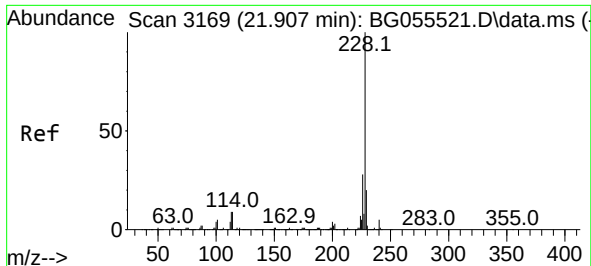
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#79
Terphenyl-d14
Concen: 55.334 ng
RT: 20.215 min Scan# 2881
Delta R.T. 0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

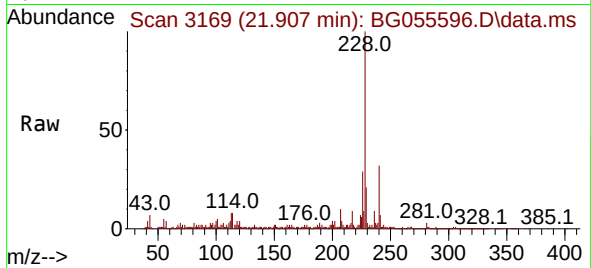
Tgt Ion:244 Resp: 854923
Ion Ratio Lower Upper
244 100
212 7.3 6.5 9.7
122 8.1 7.7 11.5





#81
Benzo(a)anthracene
Concen: 9.101 ng
RT: 21.907 min Scan# 3169
Delta R.T. 0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

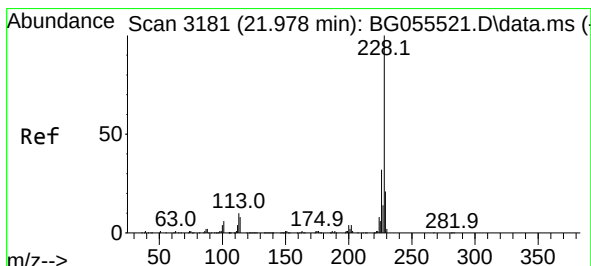
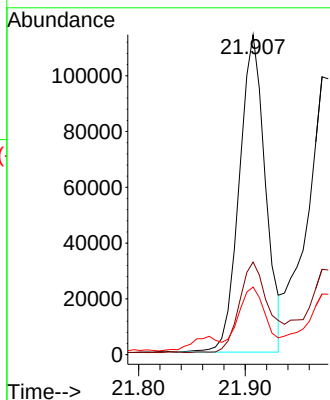
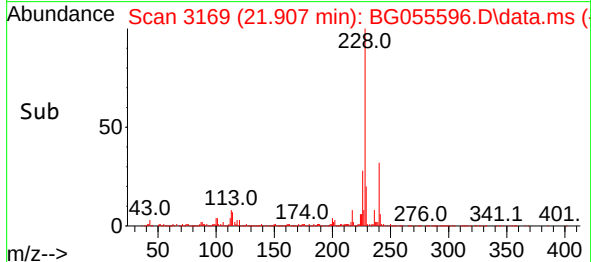
Instrument :
BNA_G
ClientSampleId :
SU-02-111022



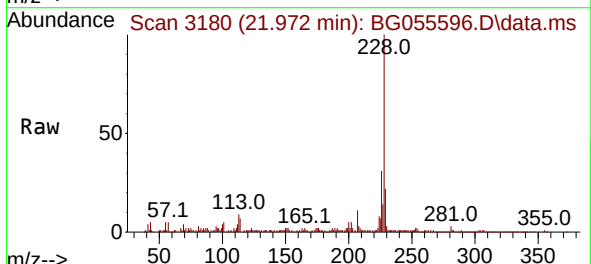
Tgt Ion:228 Resp: 19344
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 21.2 16.1 24.1

Manual Integrations
APPROVED

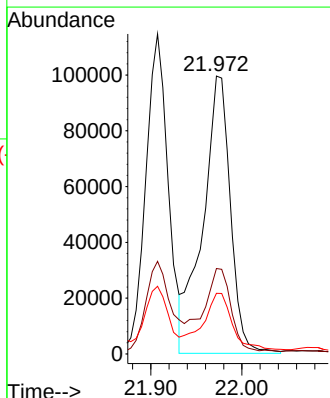
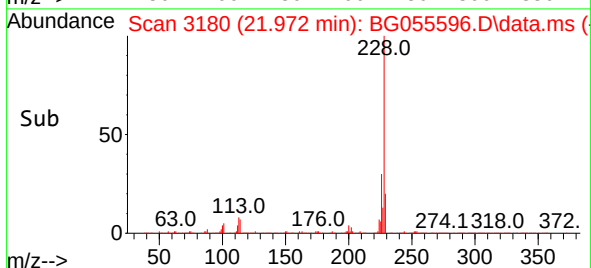
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022

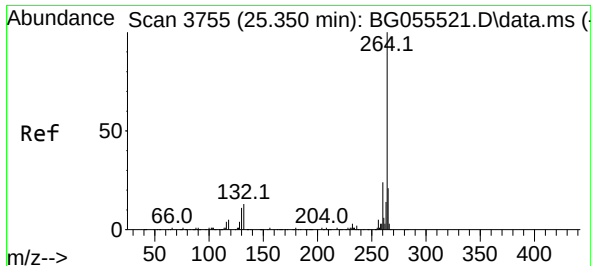


#83
Chrysene
Concen: 10.386 ng m
RT: 21.972 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26



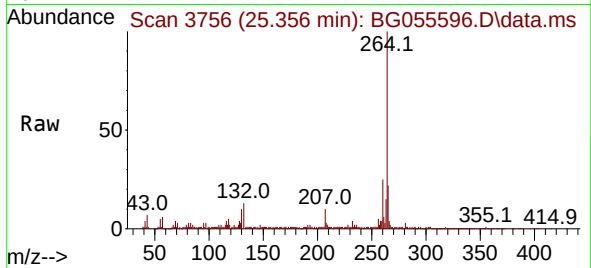
Tgt Ion:228 Resp: 209926
Ion Ratio Lower Upper
228 100
226 30.8 25.7 38.5
229 21.8 16.6 25.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.356 min Scan# 31
Delta R.T. 0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

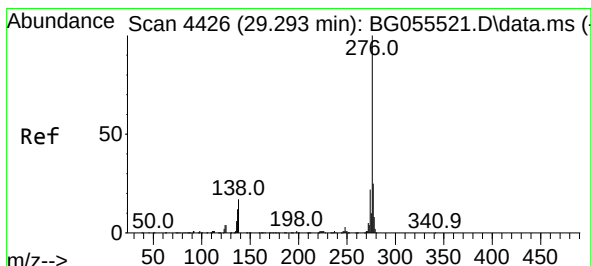
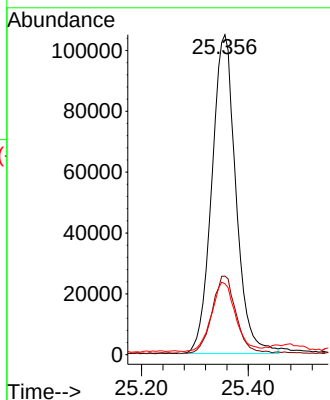
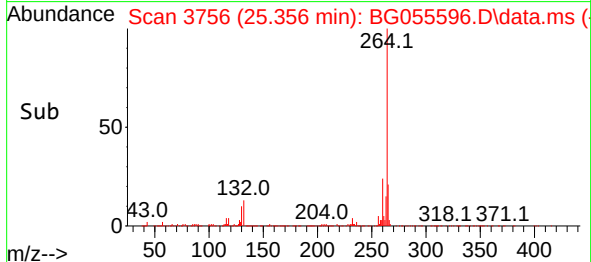
Instrument :
BNA_G
ClientSampleId :
SU-02-111022



Tgt Ion:264 Resp: 328454
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 22.2 17.1 25.7

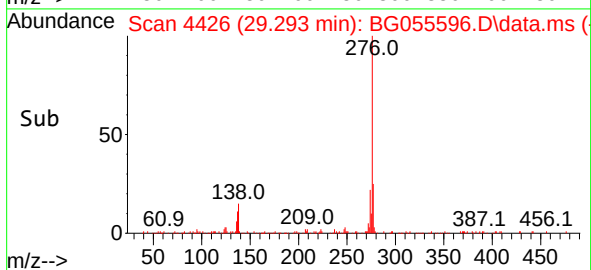
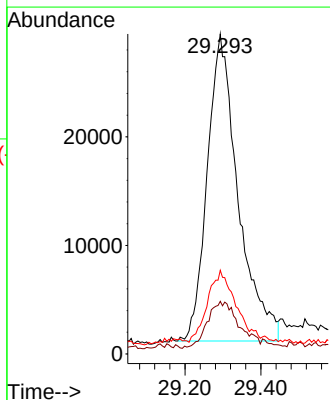
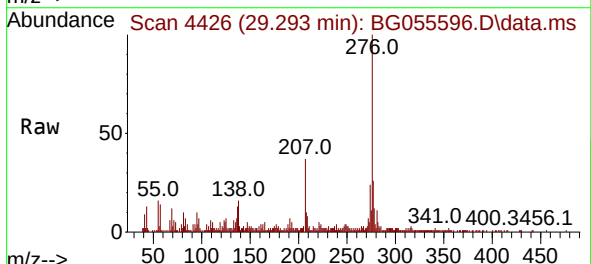
Manual Integrations
APPROVED

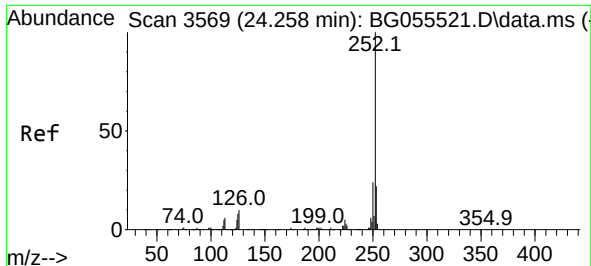
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.385 ng
RT: 29.293 min Scan# 4426
Delta R.T. -0.000 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:276 Resp: 159723
Ion Ratio Lower Upper
276 100
138 15.8 11.5 17.3
277 21.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 15.225 ng
RT: 24.263 min Scan# 31
Delta R.T. 0.005 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Instrument :

BNA_G

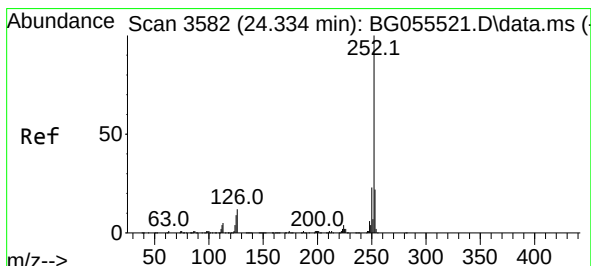
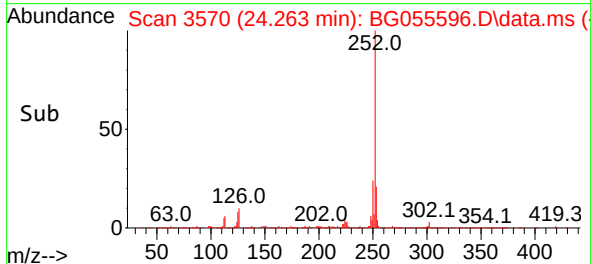
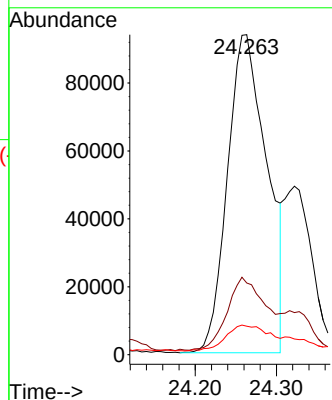
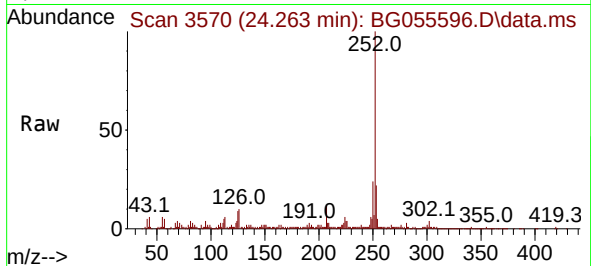
ClientSampleId :

SU-02-111022

Tgt Ion:252 Resp: 31685
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 8.9 6.7 10.1

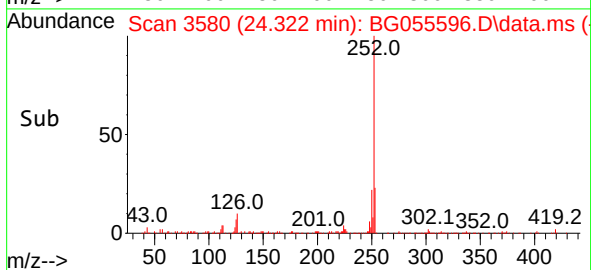
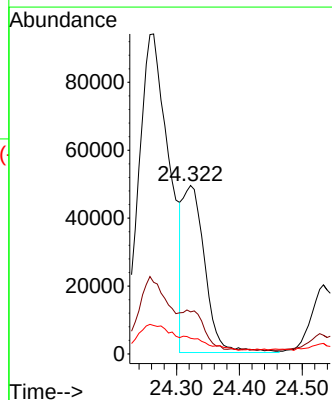
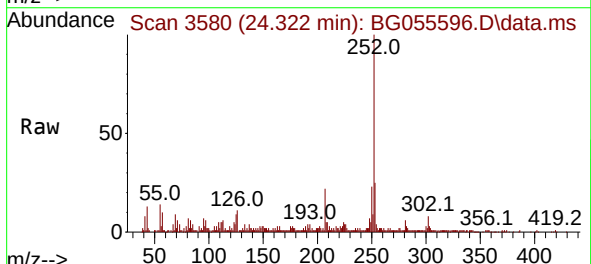
Manual Integrations
APPROVED

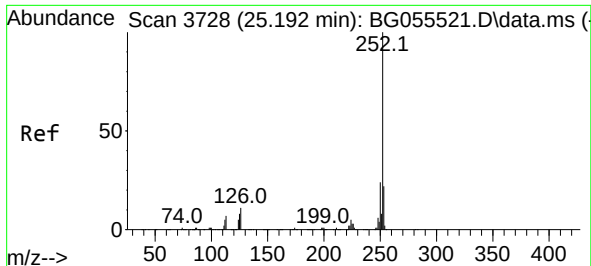
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#89
Benzo(k)fluoranthene
Concen: 5.677 ng m
RT: 24.322 min Scan# 3580
Delta R.T. -0.012 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:252 Resp: 120777
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 9.3 6.9 10.3





#90
Benzo(a)pyrene
Concen: 13.241 ng
RT: 25.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Instrument :

BNA_G

ClientSampleId :

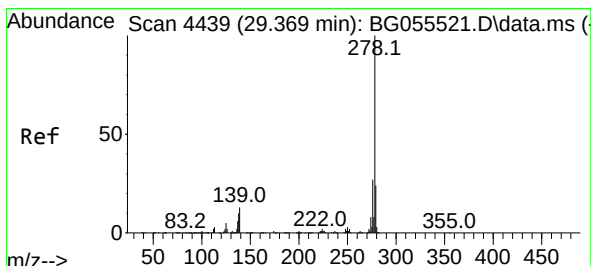
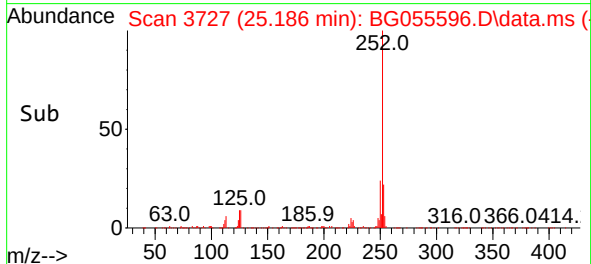
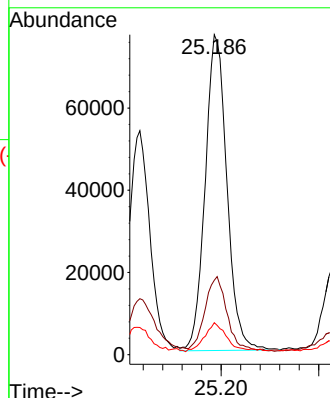
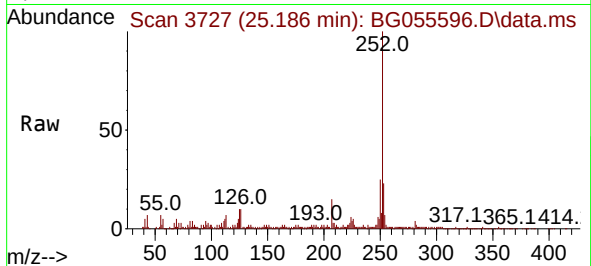
SU-02-111022

Tgt Ion:252 Resp: 237372
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.0 6.7 10.1

Manual Integrations

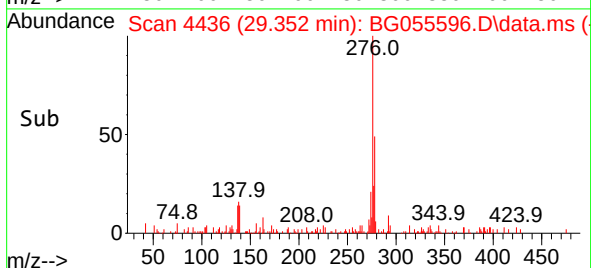
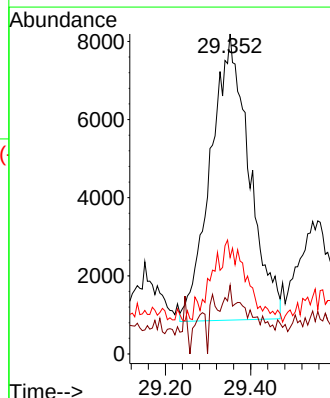
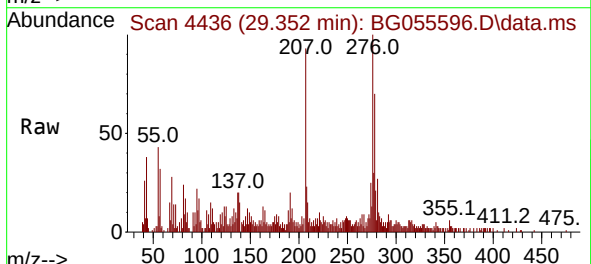
APPROVED

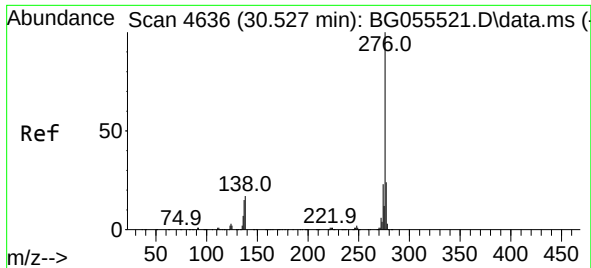
Reviewed By :Christian Giraldo 11/14/2022
Supervised By :Jagrut Upadhyay 11/14/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.211 ng
RT: 29.352 min Scan# 4436
Delta R.T. -0.017 min
Lab File: BG055596.D
Acq: 12 Nov 2022 19:26

Tgt Ion:278 Resp: 45795
Ion Ratio Lower Upper
278 100
139 21.5 10.6 15.8#
279 30.2 19.4 29.2#





#92

Benzo(g,h,i)perylene

Concen: 7.258 ng

RT: 30.527 min Scan# 4

Delta R.T. -0.000 min

Lab File: BG055596.D

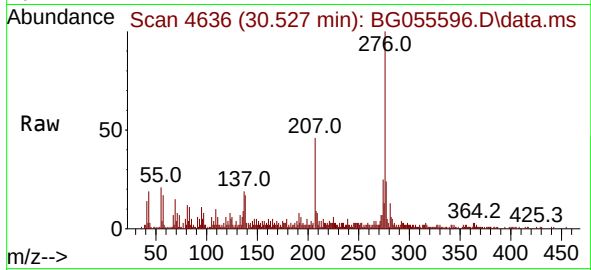
Acq: 12 Nov 2022 19:26

Instrument :

BNA_G

ClientSampleId :

SU-02-111022



Tgt Ion:276 Resp: 14692

Ion Ratio Lower Upper

276 100

277 24.1 19.3 28.9

138 17.1 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/14/2022

Supervised By :Jagrut Upadhyay 11/14/2022

