

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
 Data File : BG055865.D
 Acq On : 1 Dec 2022 21:25
 Operator : CG/JU
 Sample : N5801-01DL 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-13DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/02/2022
 Supervised By : Jagrut Upadhyay 12/02/2022

Quant Time: Dec 02 04:12:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 02 04:07:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.209	152	51263	20.000	ng	0.00
21) Naphthalene-d8	11.035	136	203001	20.000	ng	0.00
39) Acenaphthene-d10	14.837	164	137090	20.000	ng	0.00
64) Phenanthrene-d10	17.575	188	294050	20.000	ng	0.00
76) Chrysene-d12	21.870	240	280044	20.000	ng	0.00
86) Perylene-d12	25.254	264	304375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	5794	2.043	ng	0.00
7) Phenol-d6	7.363	99	6966	1.845	ng	0.00
23) Nitrobenzene-d5	9.384	82	4634	1.207	ng	0.00
42) 2,4,6-Tribromophenol	16.323	330	3302	1.711	ng	0.00
45) 2-Fluorobiphenyl	13.456	172	11974	1.309	ng	0.00
79) Terphenyl-d14	20.160	244	19180	1.370	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.622	178	111107	7.002	ng	98
72) Anthracene	17.710	178	32169	2.086	ng	97
75) Fluoranthene	19.619	202	393556	20.386	ng	99
78) Pyrene	19.978	202	357557	18.863	ng	99
81) Benzo(a)anthracene	21.846	228	259688	13.463	ng	99
83) Chrysene	21.917	228	225711	12.292	ng	98
87) Indeno(1,2,3-cd)pyrene	29.149	276	113299	4.544	ng	95
88) Benzo(b)fluoranthene	24.173	252	326519	16.472	ng	97
89) Benzo(k)fluoranthene	24.232	252	124529m	6.302	ng	
90) Benzo(a)pyrene	25.095	252	238740	14.035	ng	97
92) Benzo(g,h,i)perylene	30.383	276	99468	4.843	ng	93

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

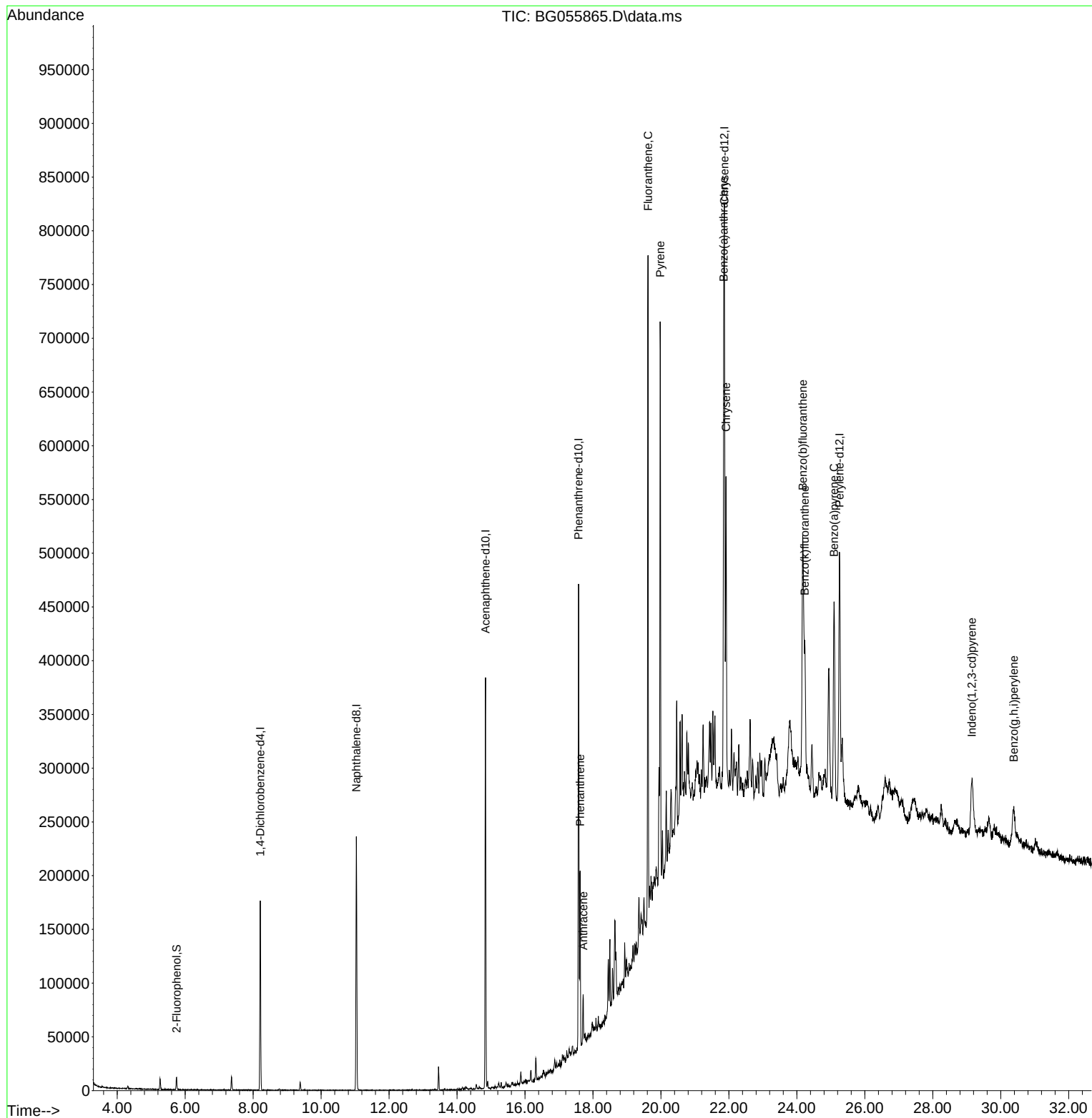
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055865.D
Acq On : 1 Dec 2022 21:25
Operator : CG/JU
Sample : N5801-01DL 50X
Misc :
ALS Vial : 13 Sample Multiplier: 1

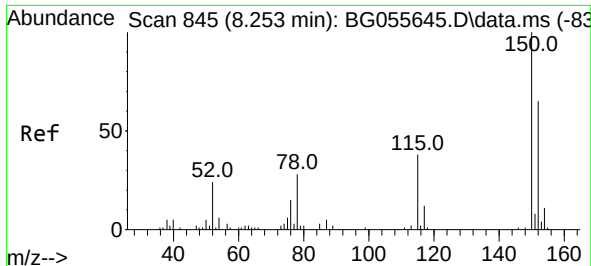
Instrument :
BNA_G
ClientSampleId :
TP-13DL

Quant Time: Dec 02 04:12:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 02 04:07:17 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

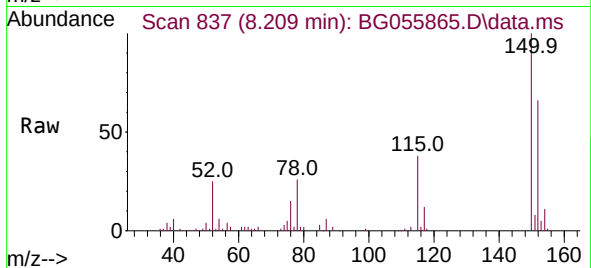
Reviewed By : Christian Giraldo 12/02/2022
Supervised By : Jagrut Upadhyay 12/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.209 min Scan# 845
Delta R.T. 0.004 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

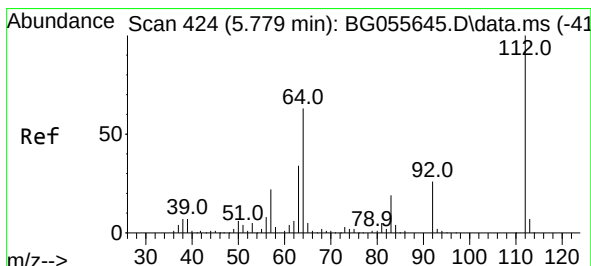
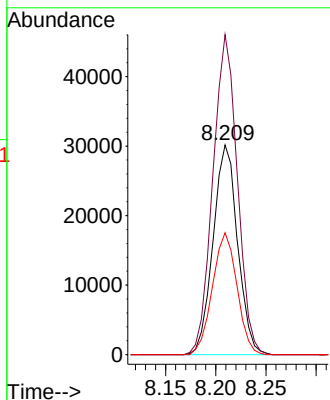
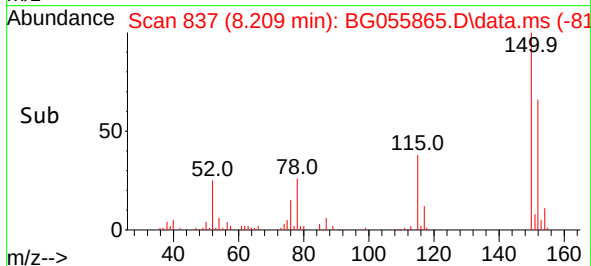
Instrument :
BNA_G
ClientSampleId :
TP-13DL



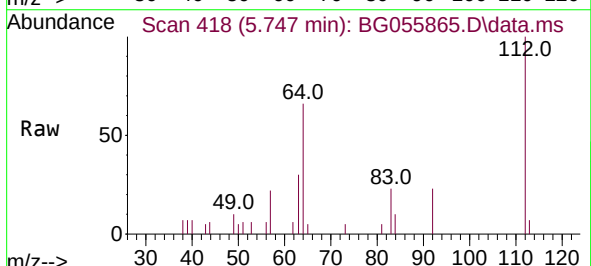
Tgt Ion:152 Resp: 51263
Ion Ratio Lower Upper
152 100
150 152.6 123.0 184.6
115 58.1 47.0 70.4

Manual Integrations
APPROVED

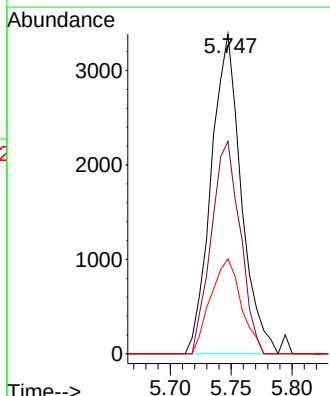
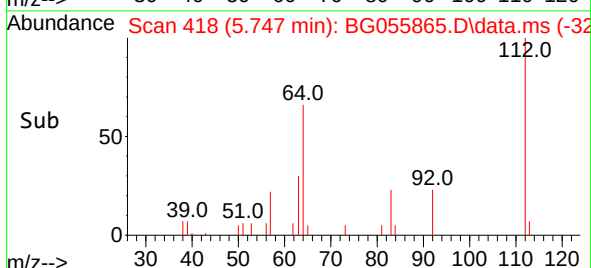
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

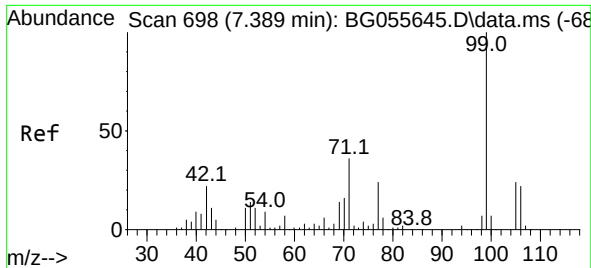


#5
2-Fluorophenol
Concen: 2.043 ng
RT: 5.747 min Scan# 418
Delta R.T. 0.010 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25



Tgt Ion:112 Resp: 5794
Ion Ratio Lower Upper
112 100
64 66.4 50.6 76.0
63 29.7 27.5 41.3





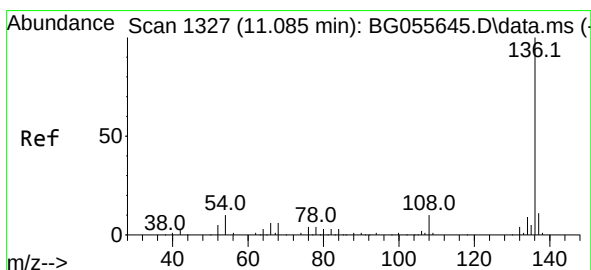
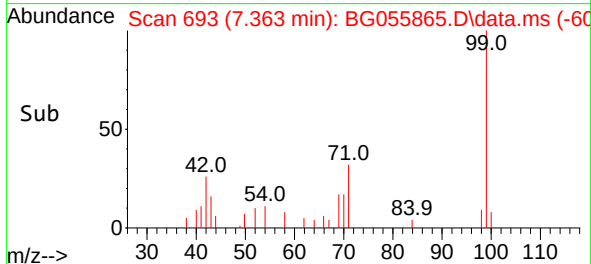
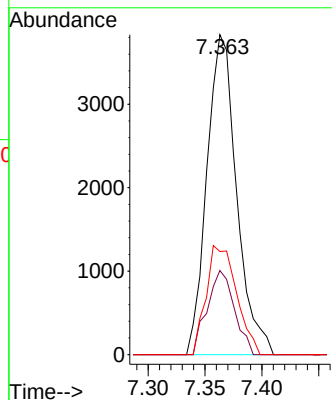
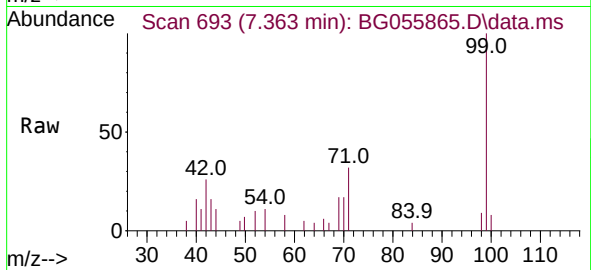
#7
Phenol-d6
Concen: 1.845 ng
RT: 7.363 min Scan# 698
Delta R.T. 0.004 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

Instrument :
BNA_G
ClientSampleId :
TP-13DL

Tgt Ion: 99 Resp: 6966
Ion Ratio Lower Upper
99 100
42 26.3 18.0 27.0
71 32.2 29.0 43.6

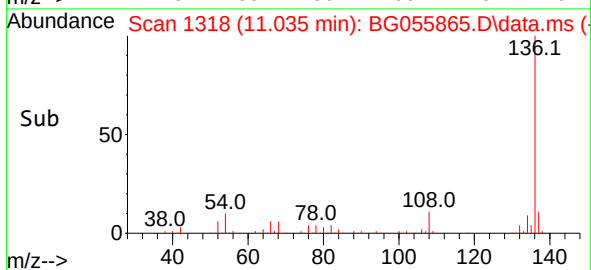
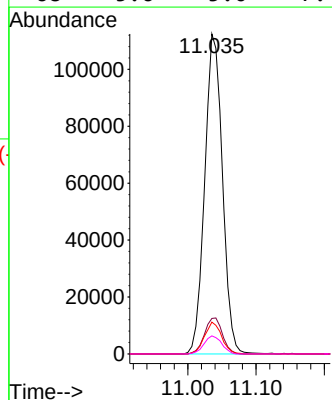
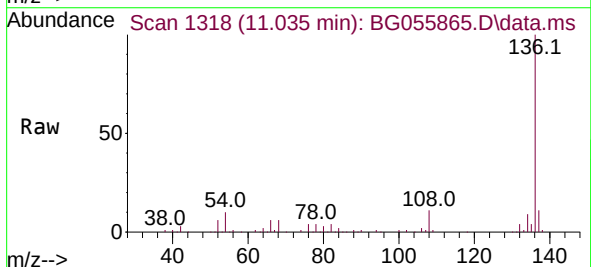
Manual Integrations
APPROVED

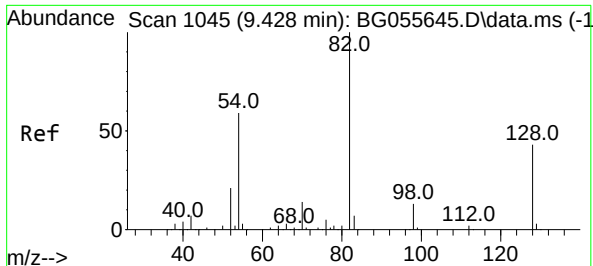
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.035 min Scan# 1318
Delta R.T. -0.002 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

Tgt Ion:136 Resp: 203001
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.9 7.8 11.6
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 1.207 ng

RT: 9.384 min Scan# 1045

Delta R.T. -0.002 min

Lab File: BG055865.D

Acq: 1 Dec 2022 21:25

Instrument :

BNA_G

ClientSampleId :

TP-13DL

Tgt Ion: 82 Resp: 4634

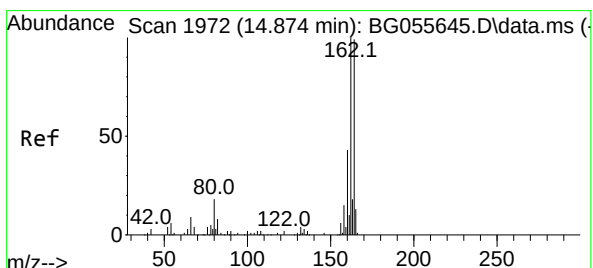
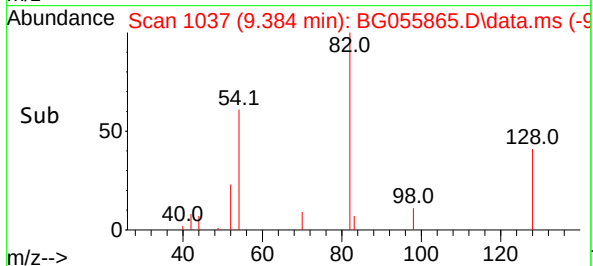
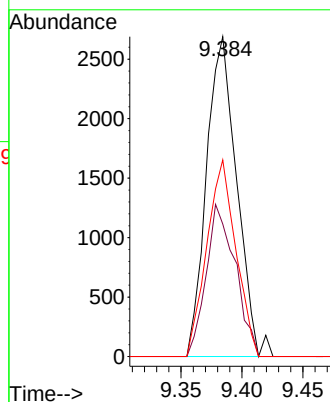
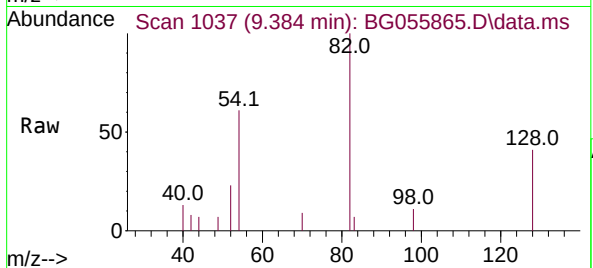
Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.1	51.1
54	61.5	47.3	70.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.837 min Scan# 1965

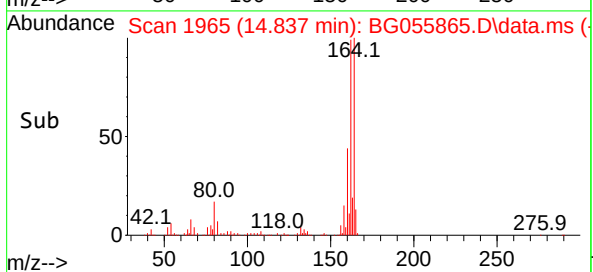
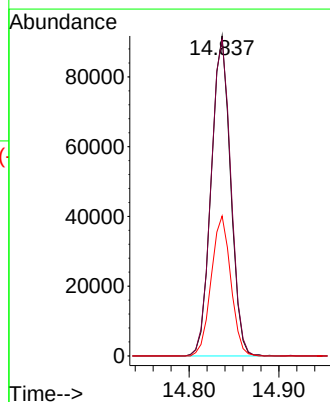
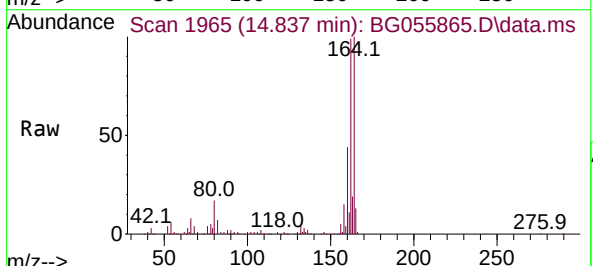
Delta R.T. -0.002 min

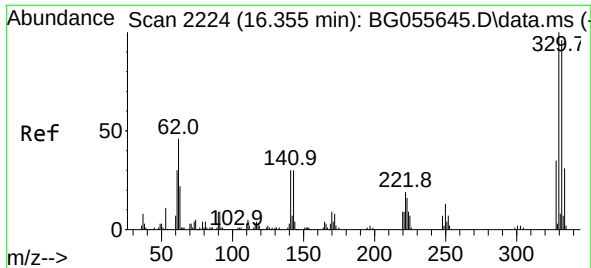
Lab File: BG055865.D

Acq: 1 Dec 2022 21:25

Tgt Ion:164 Resp: 137090

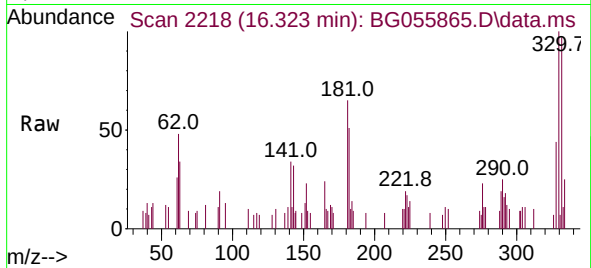
Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.1	121.7
160	43.7	34.8	52.2





#42
2,4,6-Tribromophenol
Concen: 1.711 ng
RT: 16.323 min Scan# 211
Delta R.T. -0.002 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

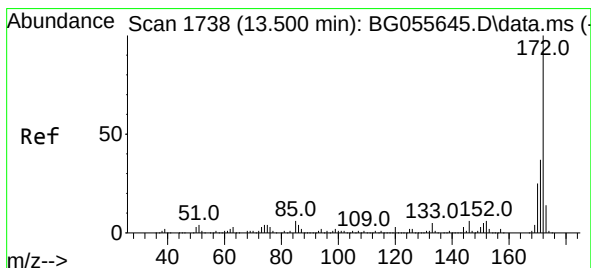
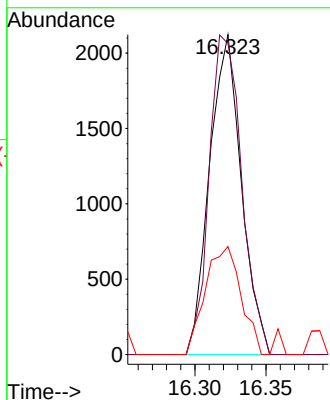
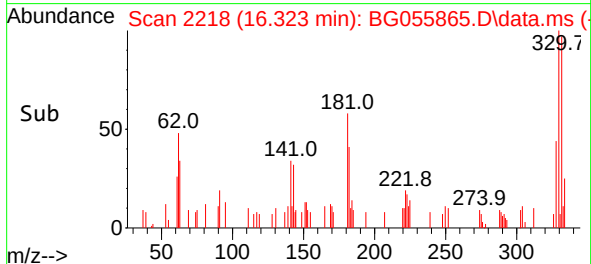
Instrument :
BNA_G
ClientSampleId :
TP-13DL



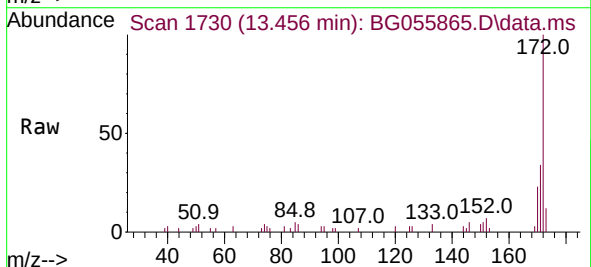
Tgt Ion:330 Resp: 3302
Ion Ratio Lower Upper
330 100
332 102.4 77.8 116.8
141 38.0 23.9 35.9

Manual Integrations
APPROVED

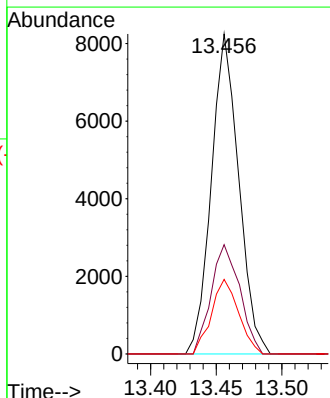
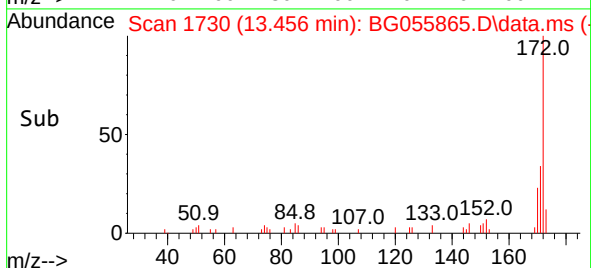
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

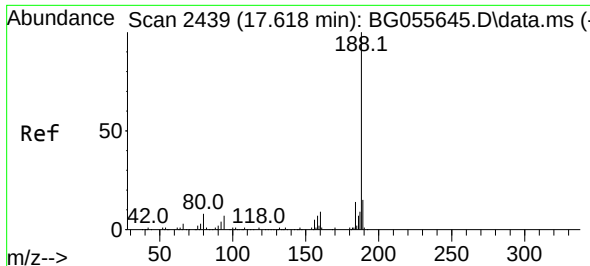


#45
2-Fluorobiphenyl
Concen: 1.309 ng
RT: 13.456 min Scan# 1730
Delta R.T. -0.002 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25



Tgt Ion:172 Resp: 11974
Ion Ratio Lower Upper
172 100
171 34.1 29.8 44.6
170 23.3 20.2 30.4





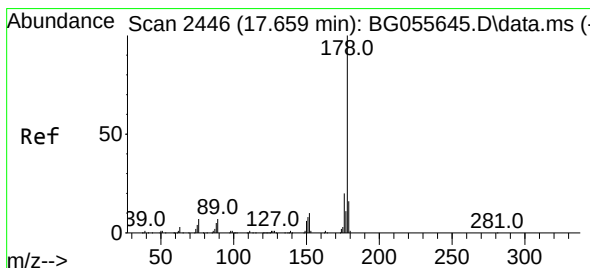
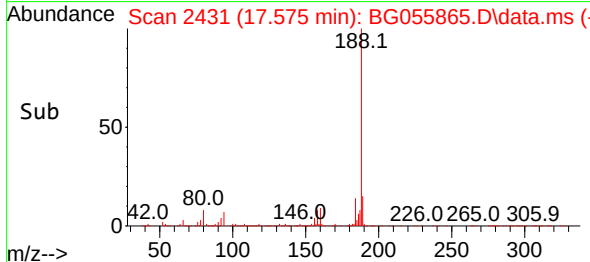
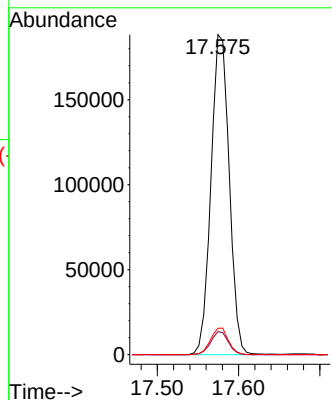
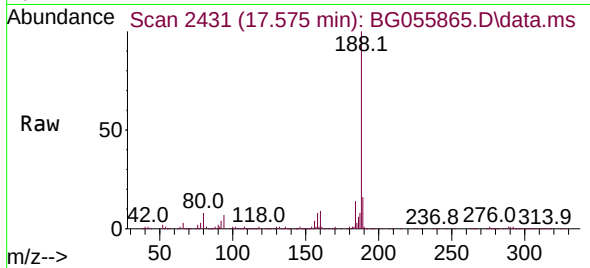
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.575 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

Instrument :
BNA_G
ClientSampleId :
TP-13DL

Tgt Ion:188 Resp: 294050
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.2
80 8.2 6.6 10.0

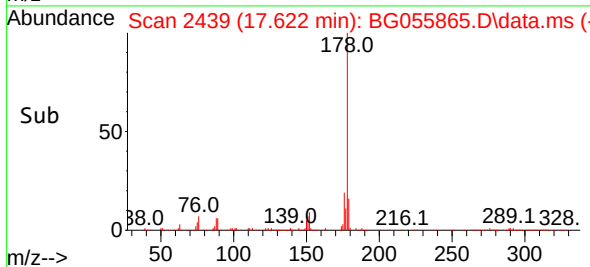
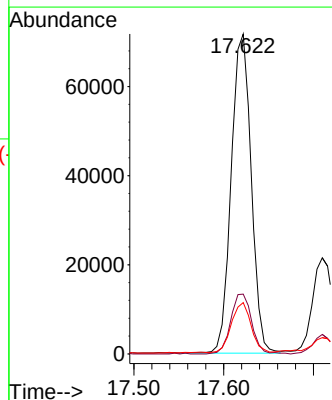
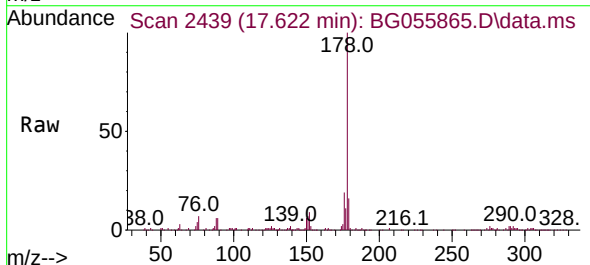
Manual Integrations
APPROVED

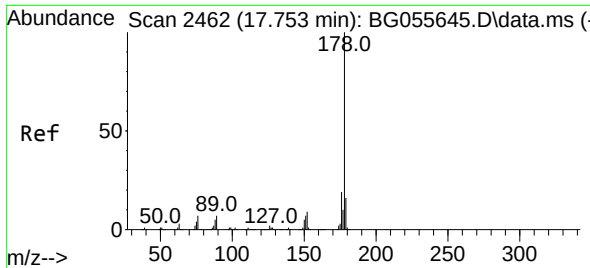
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#71
Phenanthrene
Concen: 7.002 ng
RT: 17.622 min Scan# 2439
Delta R.T. -0.002 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

Tgt Ion:178 Resp: 111107
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 16.0 12.7 19.1





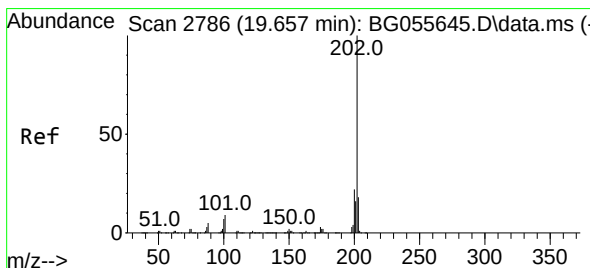
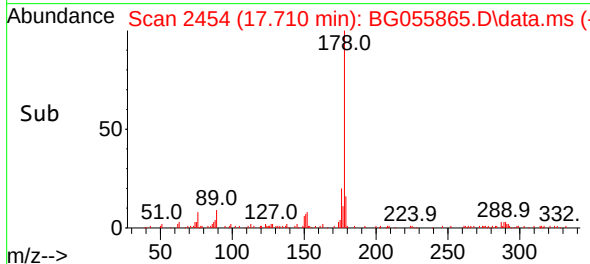
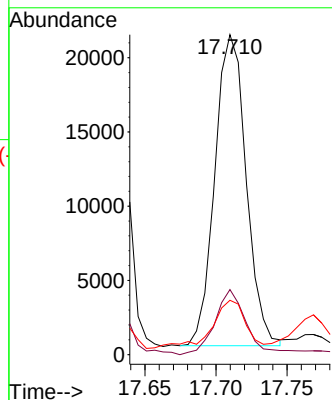
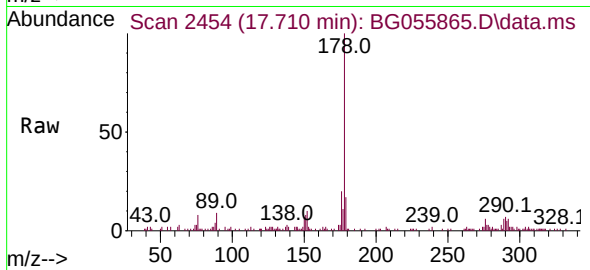
#72
 Anthracene
 Concen: 2.086 ng
 RT: 17.710 min Scan# 2462
 Delta R.T. -0.002 min
 Lab File: BG055865.D
 Acq: 1 Dec 2022 21:25

Instrument :
 BNA_G
 ClientSampleId :
 TP-13DL

Tgt Ion:178 Resp: 32169
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.5 23.3
 179 17.0 12.5 18.7

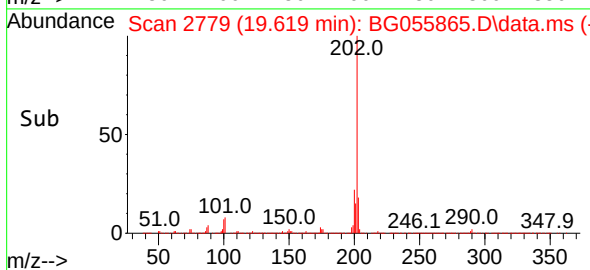
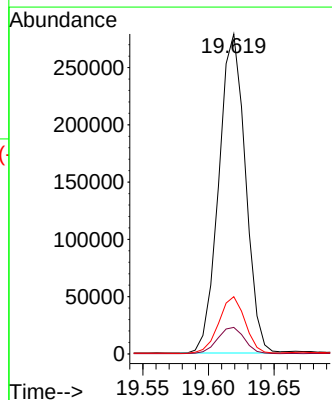
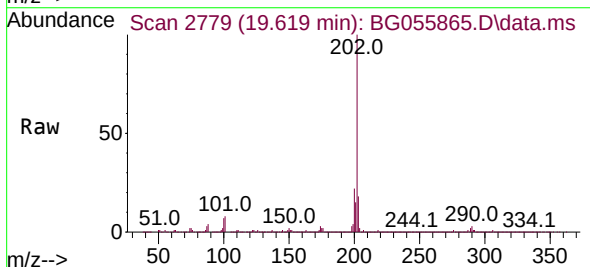
Manual Integrations
 APPROVED

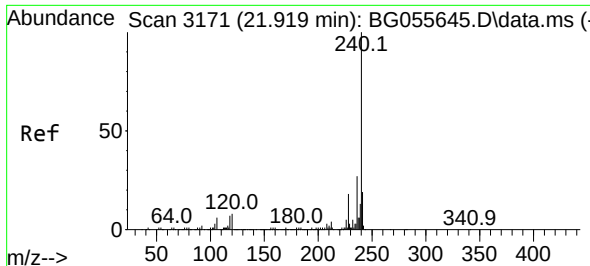
Reviewed By :Christian Giraldo 12/02/2022
 Supervised By :Jagrut Upadhyay 12/02/2022



#75
 Fluoranthene
 Concen: 20.386 ng
 RT: 19.619 min Scan# 2779
 Delta R.T. 0.004 min
 Lab File: BG055865.D
 Acq: 1 Dec 2022 21:25

Tgt Ion:202 Resp: 393556
 Ion Ratio Lower Upper
 202 100
 101 8.3 0.0 28.8
 203 17.9 0.0 38.1





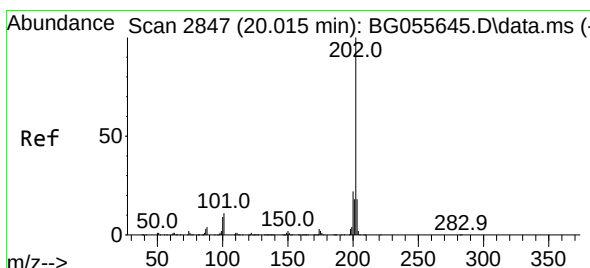
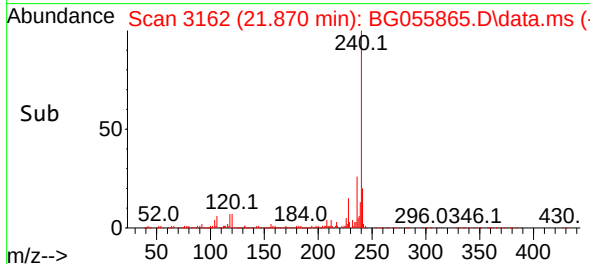
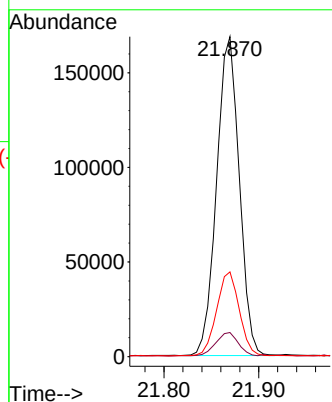
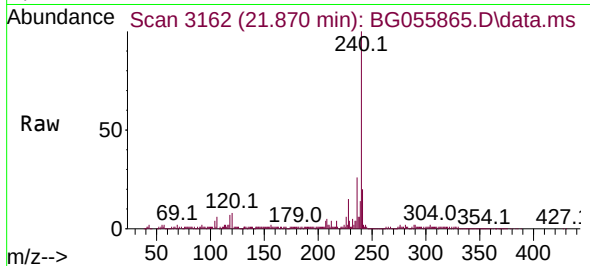
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.870 min Scan# 3171
Delta R.T. 0.004 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

Instrument :
BNA_G
ClientSampleId :
TP-13DL

Tgt Ion:240 Resp: 280044
Ion Ratio Lower Upper
240 100
120 7.5 6.3 9.5
236 26.5 21.9 32.9

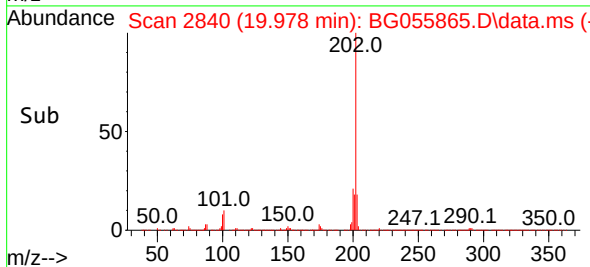
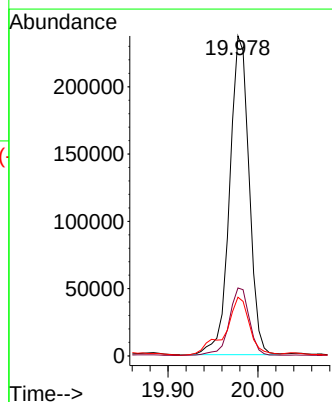
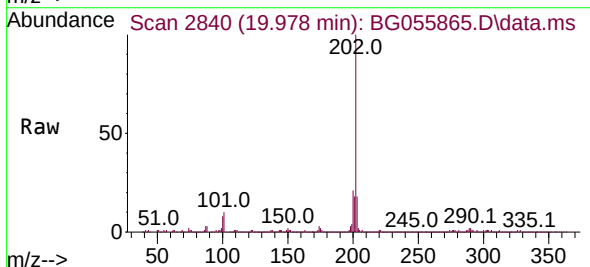
Manual Integrations
APPROVED

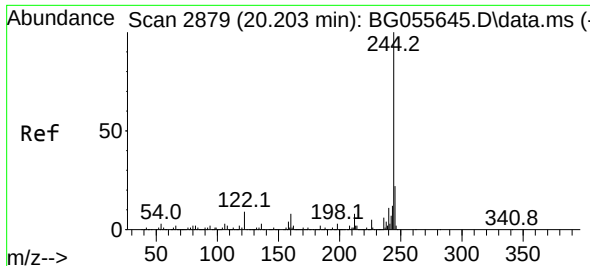
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#78
Pyrene
Concen: 18.863 ng
RT: 19.978 min Scan# 2840
Delta R.T. -0.002 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

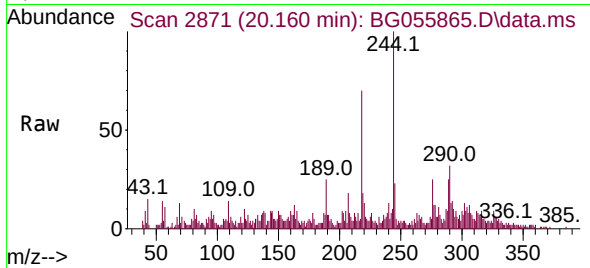
Tgt Ion:202 Resp: 357557
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 18.3 14.4 21.6





#79
 Terphenyl-d14
 Concen: 1.370 ng
 RT: 20.160 min Scan# 2879
 Delta R.T. -0.002 min
 Lab File: BG055865.D
 Acq: 1 Dec 2022 21:25

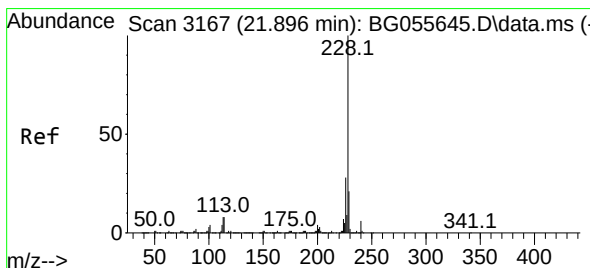
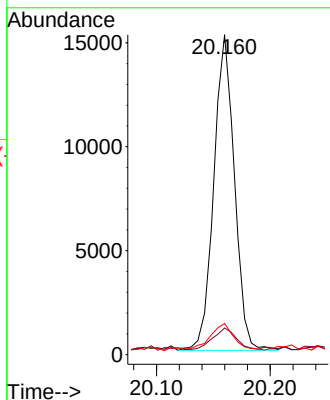
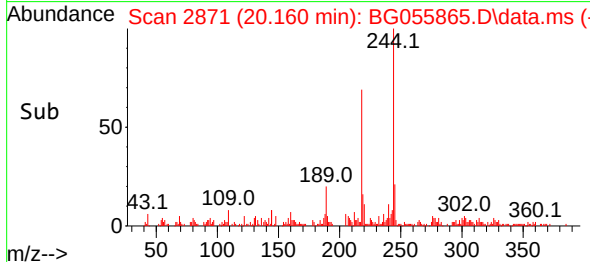
Instrument :
 BNA_G
 ClientSampleId :
 TP-13DL



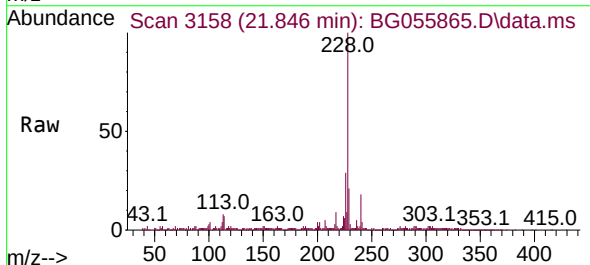
Tgt Ion:244 Resp: 19180
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.3 9.5
 122 9.7 6.9 10.3

Manual Integrations
 APPROVED

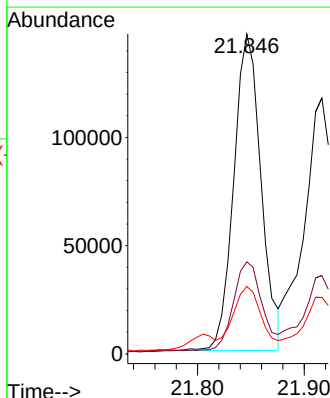
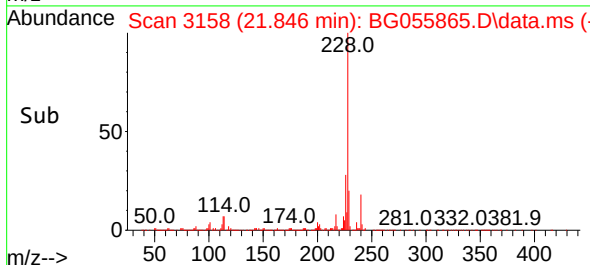
Reviewed By :Christian Giraldo 12/02/2022
 Supervised By :Jagrut Upadhyay 12/02/2022

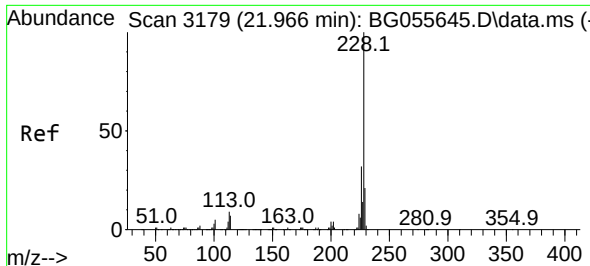


#81
 Benzo(a)anthracene
 Concen: 13.463 ng
 RT: 21.846 min Scan# 3158
 Delta R.T. -0.002 min
 Lab File: BG055865.D
 Acq: 1 Dec 2022 21:25



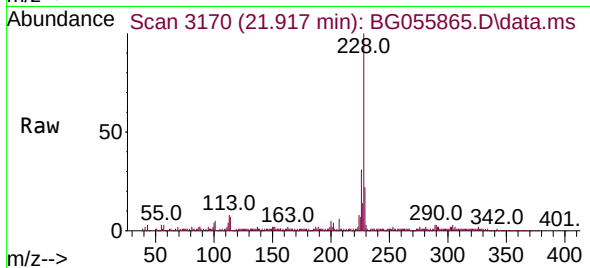
Tgt Ion:228 Resp: 259688
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.7 34.1
 229 21.1 16.5 24.7





#83
Chrysene
Concen: 12.292 ng
RT: 21.917 min Scan# 3179
Delta R.T. -0.002 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

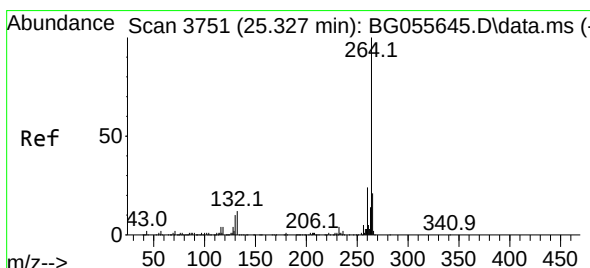
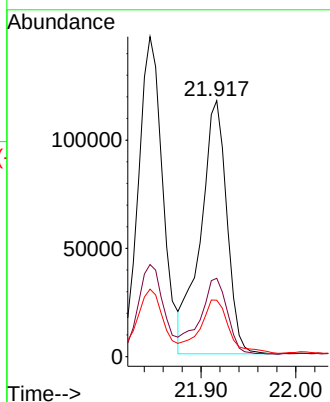
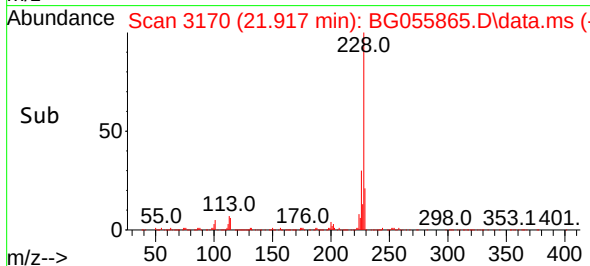
Instrument :
BNA_G
ClientSampleId :
TP-13DL



Tgt Ion:228 Resp: 225711
Ion Ratio Lower Upper
228 100
226 30.6 25.4 38.2
229 22.0 17.1 25.7

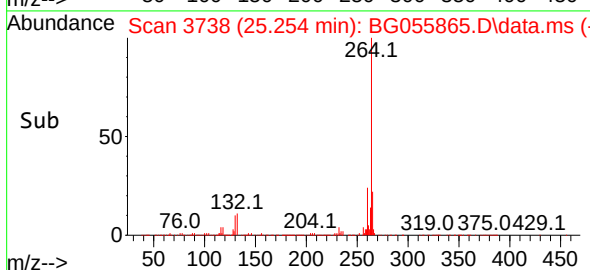
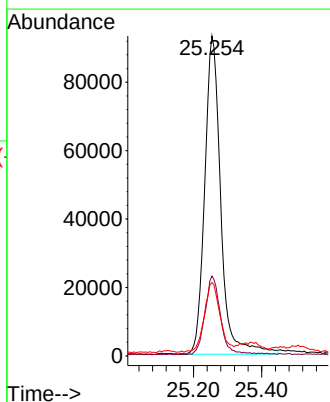
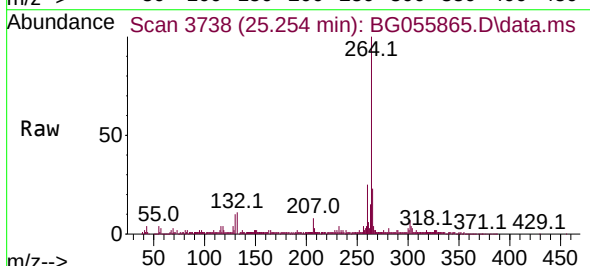
Manual Integrations
APPROVED

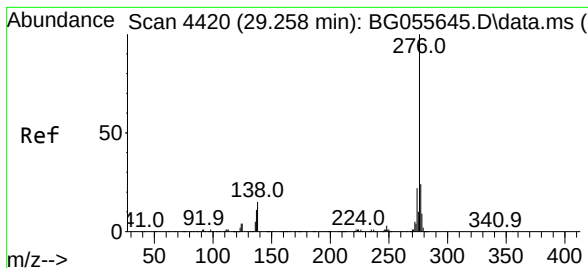
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.254 min Scan# 3738
Delta R.T. 0.004 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

Tgt Ion:264 Resp: 304375
Ion Ratio Lower Upper
264 100
260 25.0 19.5 29.3
265 22.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.544 ng

RT: 29.149 min Scan# 4420

Delta R.T. -0.002 min

Lab File: BG055865.D

Acq: 1 Dec 2022 21:25

Instrument :

BNA_G

ClientSampleId :

TP-13DL

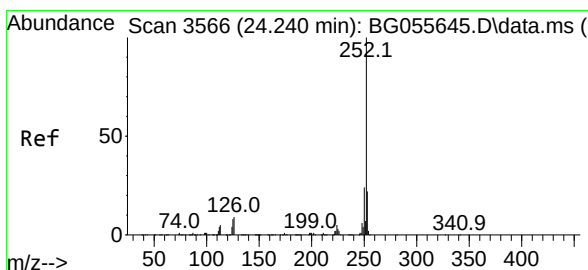
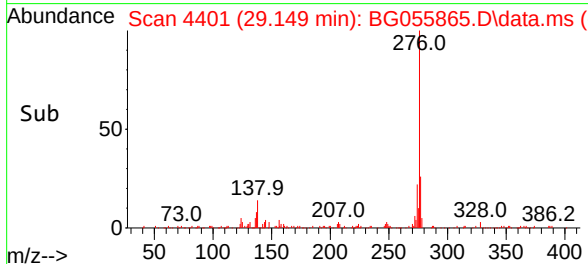
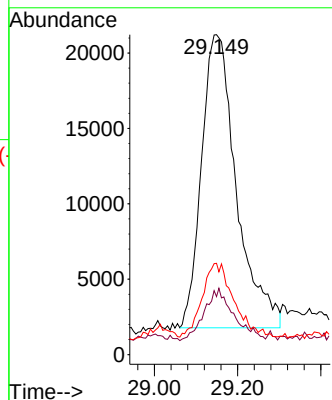
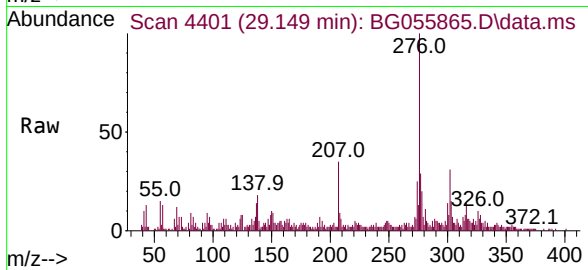
Tgt Ion:276 Resp: 113299
 Ion Ratio Lower Upper
 276 100
 138 15.1 10.4 15.6
 277 23.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/02/2022

Supervised By :Jagrut Upadhyay 12/02/2022



#88

Benzo(b)fluoranthene

Concen: 16.472 ng

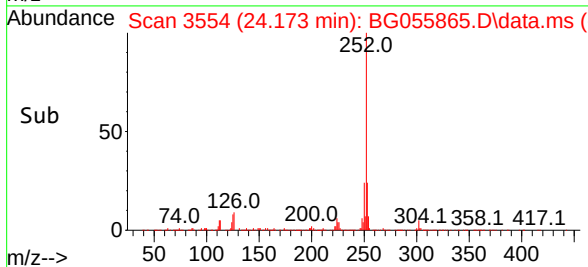
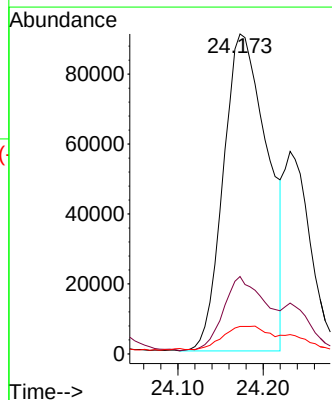
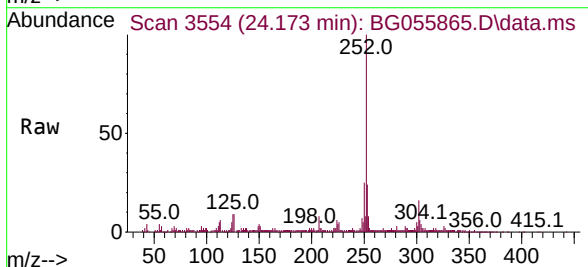
RT: 24.173 min Scan# 3554

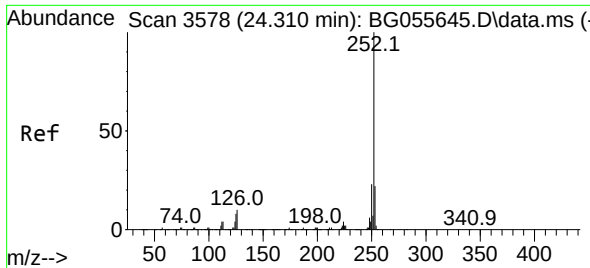
Delta R.T. 0.004 min

Lab File: BG055865.D

Acq: 1 Dec 2022 21:25

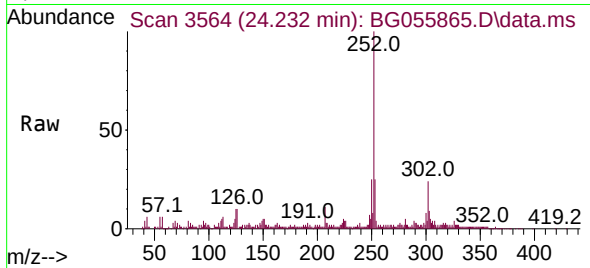
Tgt Ion:252 Resp: 326519
 Ion Ratio Lower Upper
 252 100
 253 24.2 18.0 27.0
 125 8.6 6.2 9.2





#89
Benzo(k)fluoranthene
Concen: 6.302 ng m
RT: 24.232 min Scan# 3578
Delta R.T. -0.008 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25

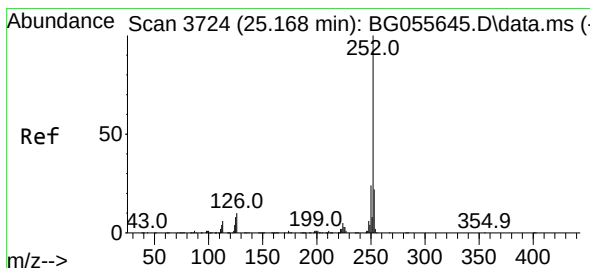
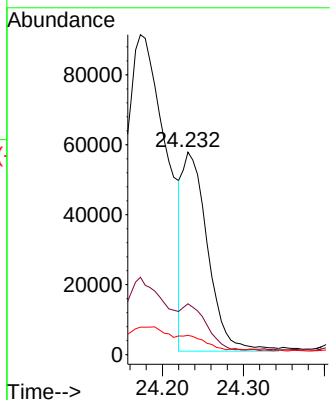
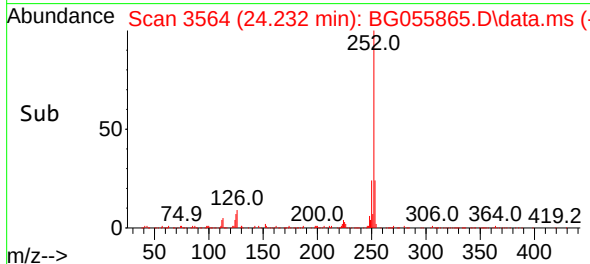
Instrument :
BNA_G
ClientSampleId :
TP-13DL



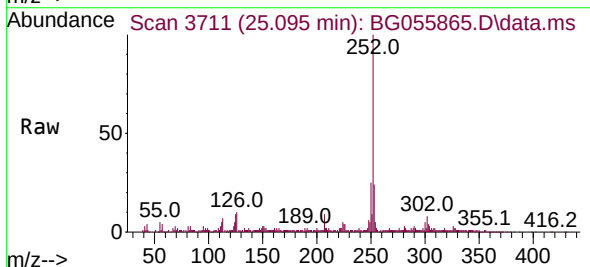
Tgt Ion:252 Resp: 124529
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.6
125 9.6 6.1 9.1

Manual Integrations
APPROVED

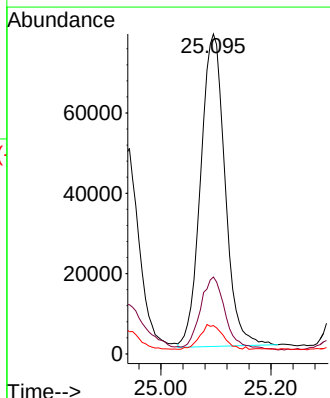
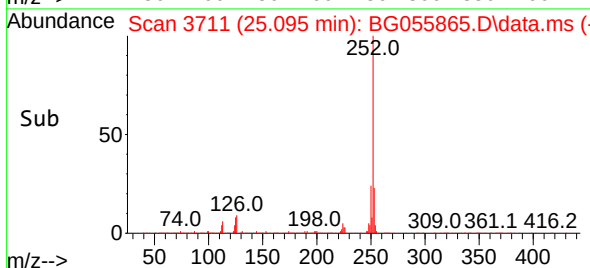
Reviewed By :Christian Giraldo 12/02/2022
Supervised By :Jagrut Upadhyay 12/02/2022

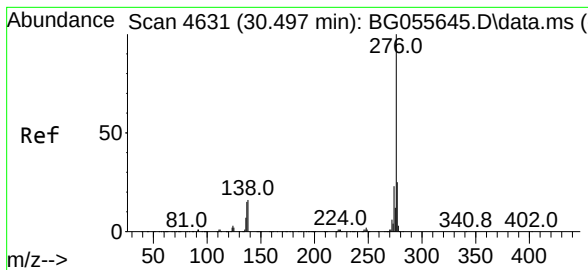


#90
Benzo(a)pyrene
Concen: 14.035 ng
RT: 25.095 min Scan# 3711
Delta R.T. 0.004 min
Lab File: BG055865.D
Acq: 1 Dec 2022 21:25



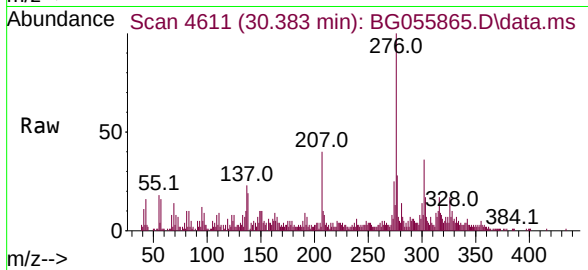
Tgt Ion:252 Resp: 238740
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 8.8 6.4 9.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.843 ng
 RT: 30.383 min Scan# 4611
 Delta R.T. 0.010 min
 Lab File: BG055865.D
 Acq: 1 Dec 2022 21:25

Instrument :
 BNA_G
 ClientSampleId :
 TP-13DL



Tgt Ion:276 Resp: 99468
 Ion Ratio Lower Upper
 276 100
 277 28.5 19.8 29.6
 138 18.8 13.1 19.7

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/02/2022
 Supervised By :Jagrut Upadhyay 12/02/2022

