

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
 Data File : BG055862.D
 Acq On : 1 Dec 2022 19:22
 Operator : CG/JU
 Sample : N5803-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PEQ-STOCK

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 04:11:36 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	8.205	152	43686	20.000	ng	0.00
21) Naphthalene-d8	11.037	136	175500	20.000	ng	0.00
39) Acenaphthene-d10	14.832	164	117797	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	249187	20.000	ng	0.00
76) Chrysene-d12	21.877	240	228692	20.000	ng	0.01
86) Perylene-d12	25.267	264	260101	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	288986	119.569	ng	0.00
7) Phenol-d6	7.365	99	369604	114.881	ng	0.00
23) Nitrobenzene-d5	9.380	82	242108	72.915	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	179142	107.999	ng	0.00
45) 2-Fluorobiphenyl	13.458	172	579248	73.668	ng	0.00
79) Terphenyl-d14	20.161	244	871220	76.196	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.090	128	20718	2.184	ng	98
49) Acenaphthylene	14.562	152	285968	26.028	ng	99
55) Dibenzofuran	15.232	168	31756	2.867	ng	# 96
58) Fluorene	15.872	166	37879	4.281	ng	99
71) Phenanthrene	17.623	178	871863	64.836	ng	100
72) Anthracene	17.711	178	298401	22.839	ng	100
73) Carbazole	17.976	167	64079	5.455	ng	98
75) Fluoranthene	19.633	202	2750426	168.124	ng	94
78) Pyrene	19.991	202	2416448m	156.104	ng	
81) Benzo(a)anthracene	21.854	228	1687826	107.154	ng	94
83) Chrysene	21.930	228	1646529	109.804	ng	95
87) Indeno(1,2,3-cd)pyrene	29.180	276	816497	38.318	ng	95
88) Benzo(b)fluoranthene	24.204	252	2265592	133.749	ng	96
89) Benzo(k)fluoranthene	24.257	252	947532m	56.117	ng	
90) Benzo(a)pyrene	25.120	252	1274716	87.694	ng	97
91) Dibenzo(a,h)anthracene	29.216	278	230277m	13.225	ng	
92) Benzo(g,h,i)perylene	30.408	276	621281	35.401	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120122\
Data File : BG055862.D
Acq On : 1 Dec 2022 19:22
Operator : CG/JU
Sample : N5803-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

Manual Integrations

APPROVED

Reviewed By :Christian

Giraldo

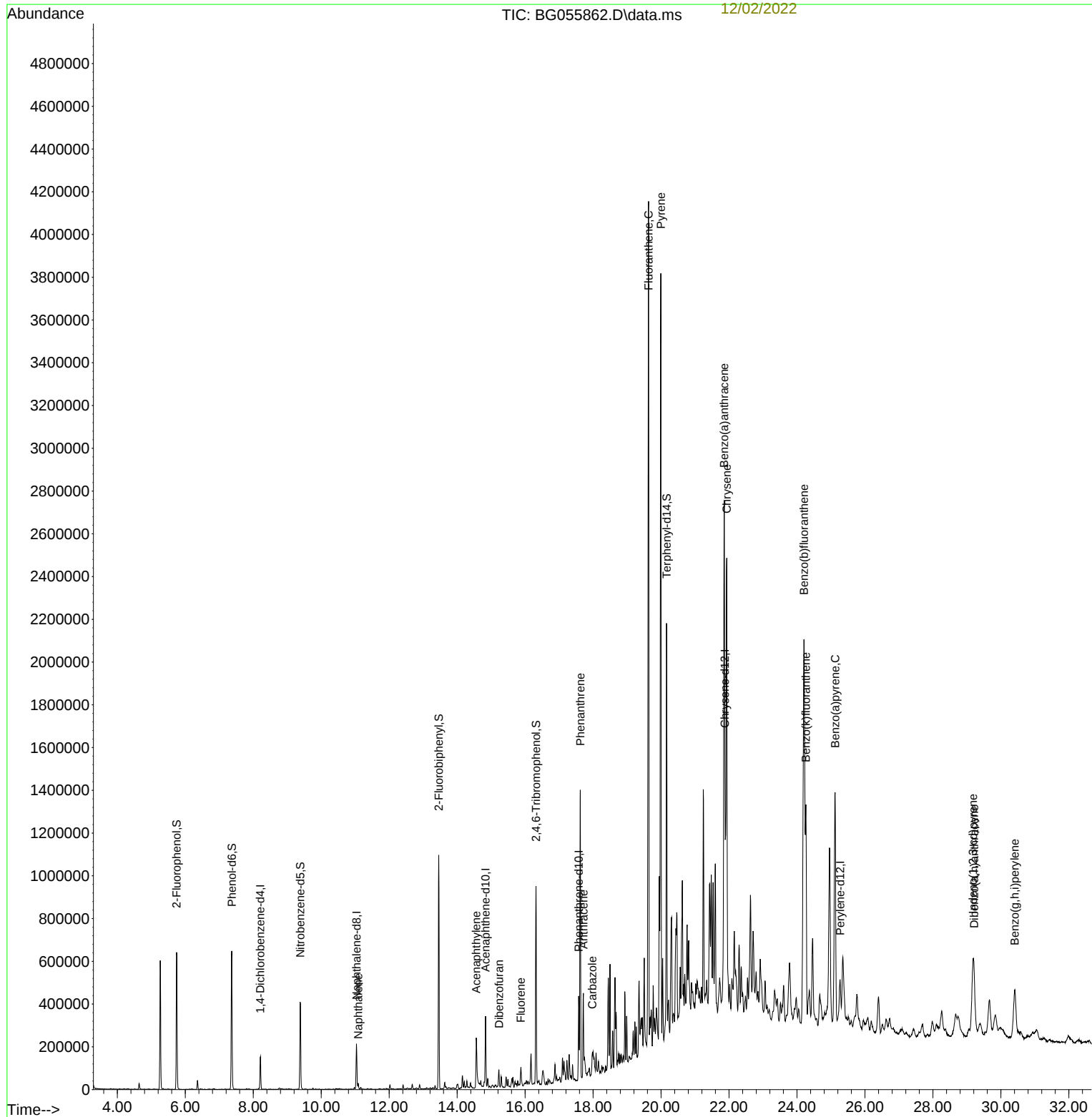
12/02/2022

Supervised By :Jagrit

Upadhyay

12/02/2022

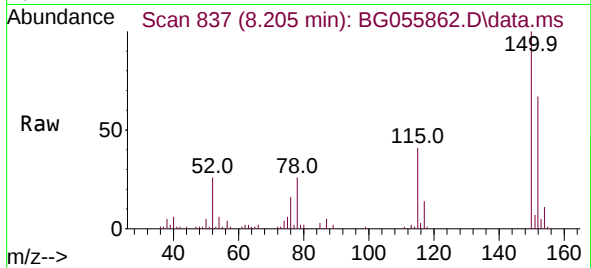
Quant Time: Dec 02 04:11:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 02 04:07:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.205 min Scan# 845
Delta R.T. -0.000 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK

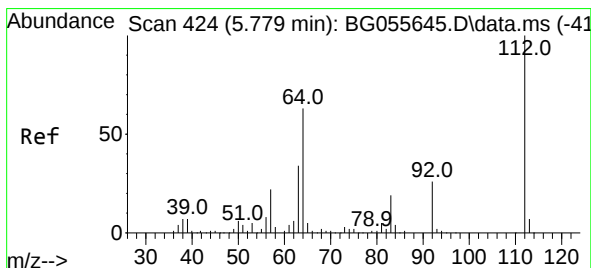
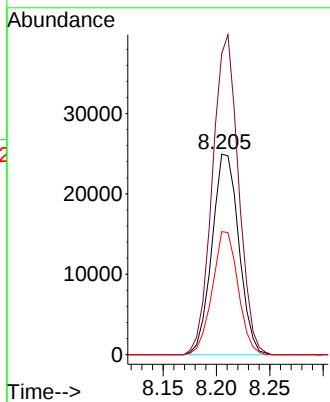
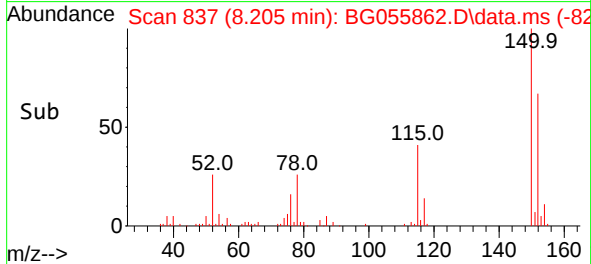


Tgt Ion:152 Resp: 43686
Ion Ratio Lower Upper
152 100
150 150.2 123.0 184.6
115 61.4 47.0 70.4

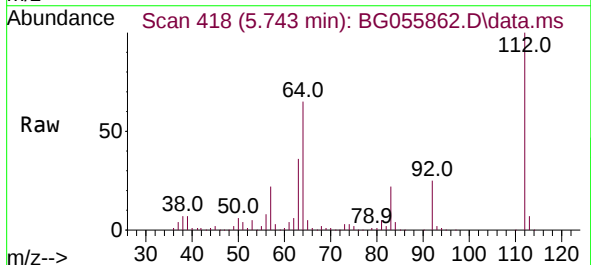
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
12/02/2022

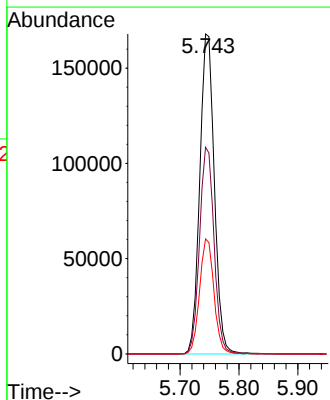
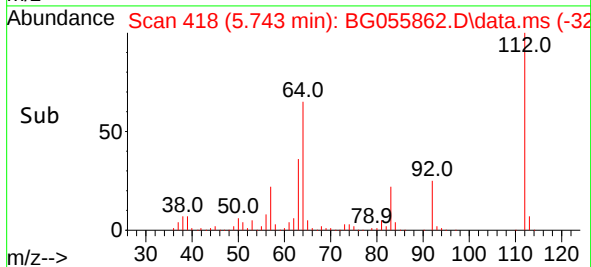
Supervised By :Jagrut
Upadhyay
12/02/2022



#5
2-Fluorophenol
Concen: 119.569 ng
RT: 5.743 min Scan# 418
Delta R.T. 0.005 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22



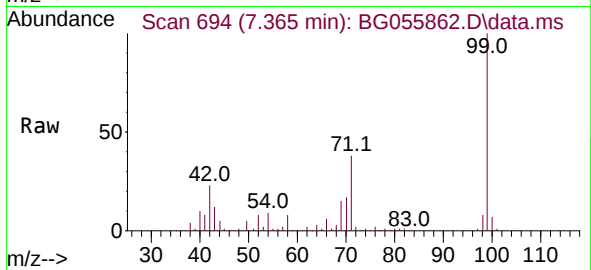
Tgt Ion:112 Resp: 288986
Ion Ratio Lower Upper
112 100
64 64.6 50.6 76.0
63 35.9 27.5 41.3





#7
Phenol-d6
Concen: 114.881 ng
RT: 7.365 min Scan# 69
Delta R.T. 0.005 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

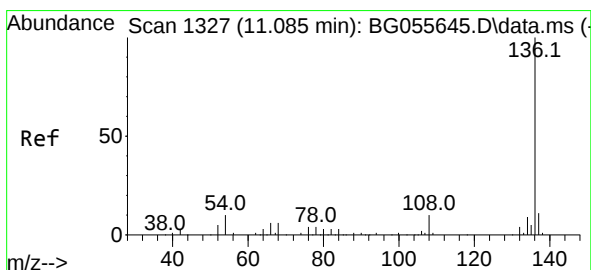
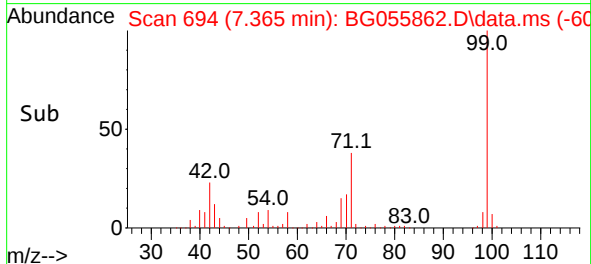
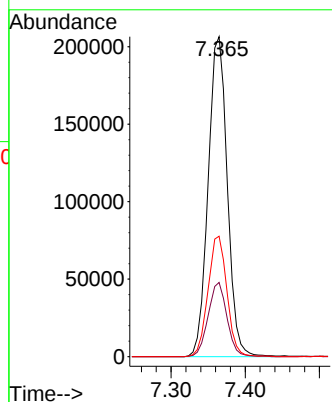
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK



Tgt Ion: 99 Resp: 369604
Ion Ratio Lower Upper
99 100
42 23.2 18.0 27.0
71 37.6 29.0 43.6

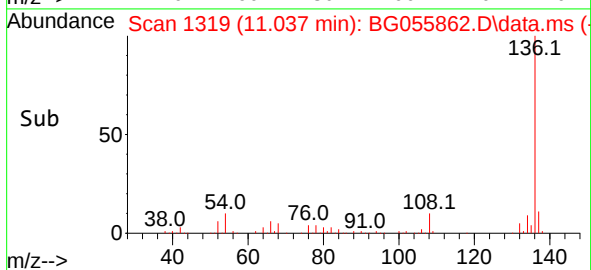
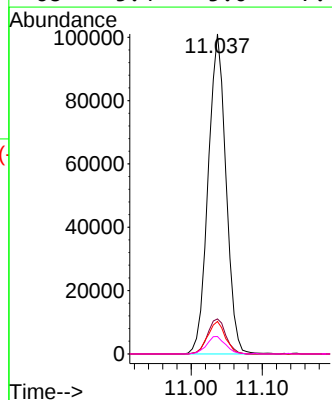
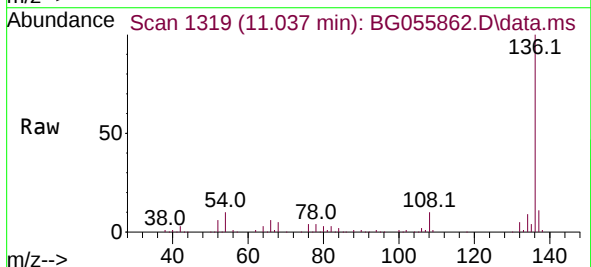
Manual Integrations
APPROVED

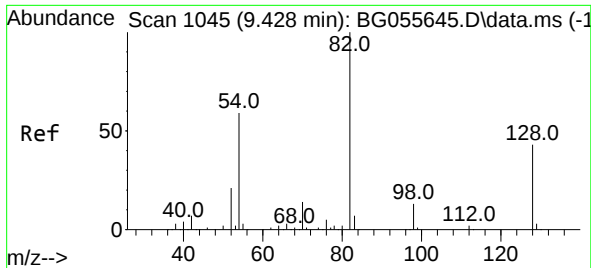
Reviewed By :Christian
Giraldo
12/02/2022
Supervised By :Jagrut
Upadhyay
12/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.037 min Scan# 1319
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:136 Resp: 175500
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 10.1 7.8 11.6
68 5.4 5.0 7.4





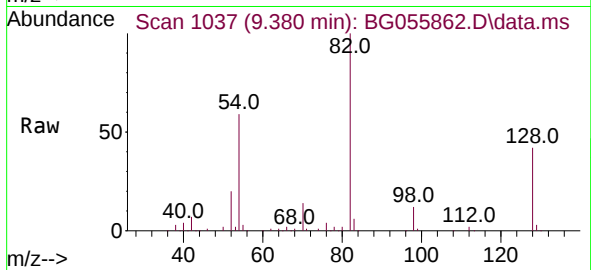
#23
Nitrobenzene-d5
Concen: 72.915 ng
RT: 9.380 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

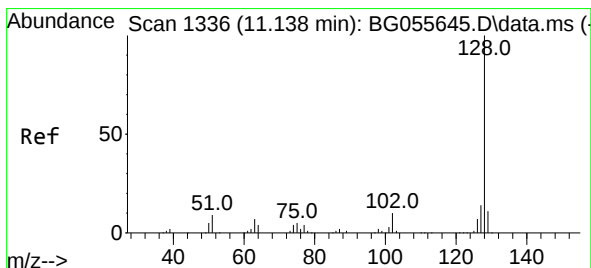
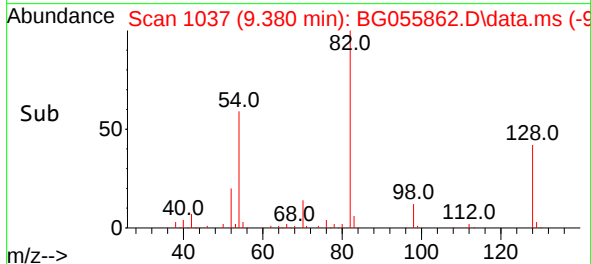
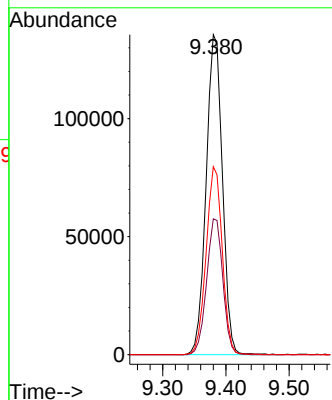


Tgt Ion: 82 Resp: 242108
Ion Ratio Lower Upper
82 100
128 42.4 34.1 51.1
54 58.7 47.3 70.9

Manual Integrations
APPROVED

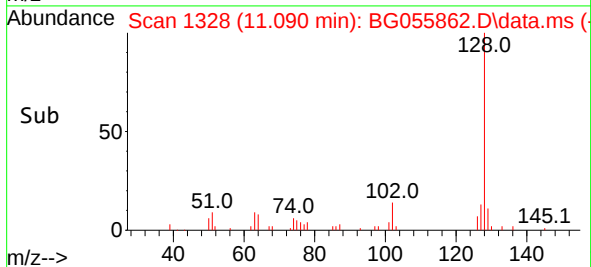
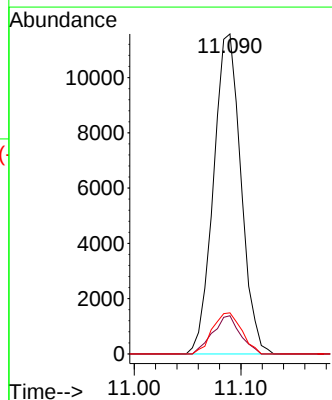
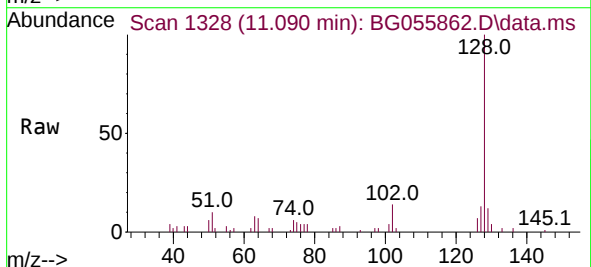
Reviewed By :Christian
Giraldo
12/02/2022

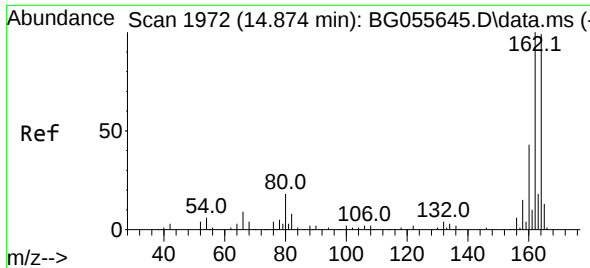
Supervised By :Jagrut
Upadhyay
12/02/2022



#31
Naphthalene
Concen: 2.184 ng
RT: 11.090 min Scan# 1328
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:128 Resp: 20718
Ion Ratio Lower Upper
128 100
129 11.9 8.7 13.1
127 12.8 10.9 16.3





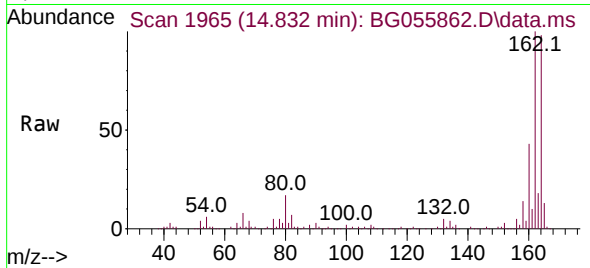
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.832 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

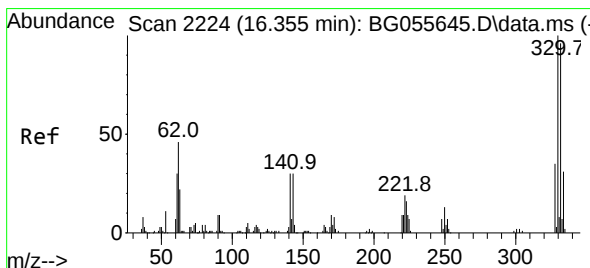
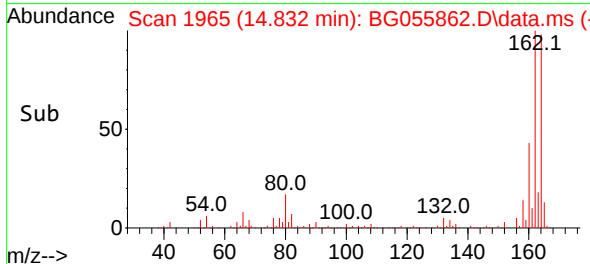
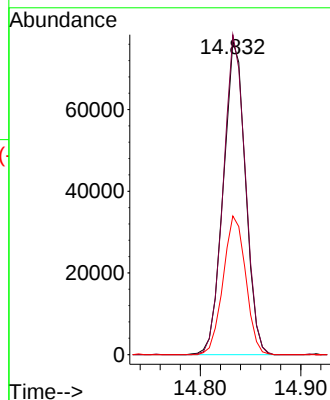


Tgt Ion:164 Resp: 117792
Ion Ratio Lower Upper
164 100
162 102.1 81.1 121.7
160 44.2 34.8 52.2

Manual Integrations
APPROVED

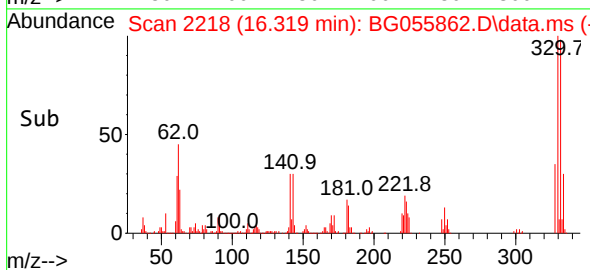
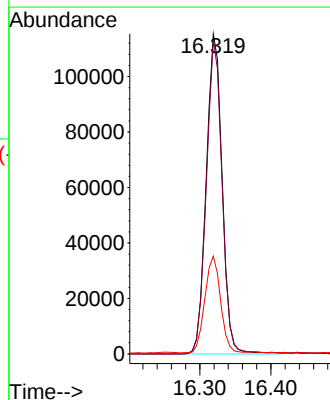
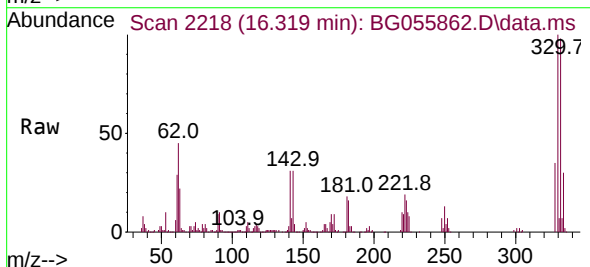
Reviewed By :Christian
Giraldo
12/02/2022

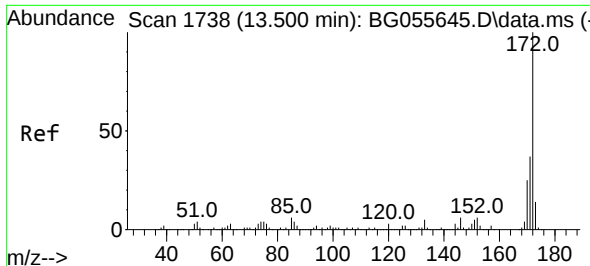
Supervised By :Jagrut
Upadhyay
12/02/2022



#42
2,4,6-Tribromophenol
Concen: 107.999 ng
RT: 16.319 min Scan# 2218
Delta R.T. -0.006 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:330 Resp: 179142
Ion Ratio Lower Upper
330 100
332 97.0 77.8 116.8
141 29.6 23.9 35.9





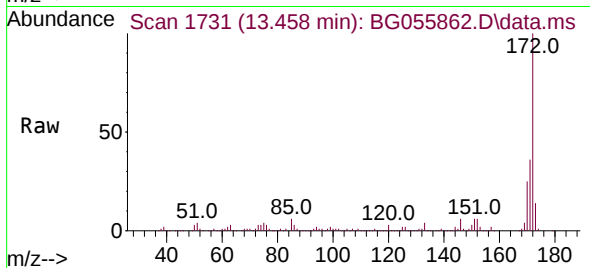
#45
2-Fluorobiphenyl
Concen: 73.668 ng
RT: 13.458 min Scan# 1731
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

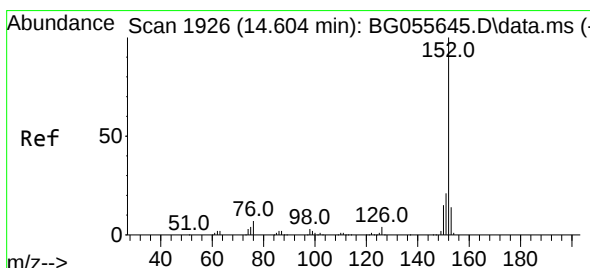
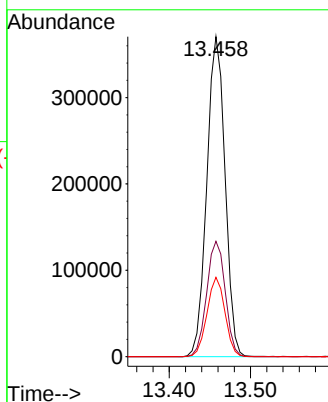
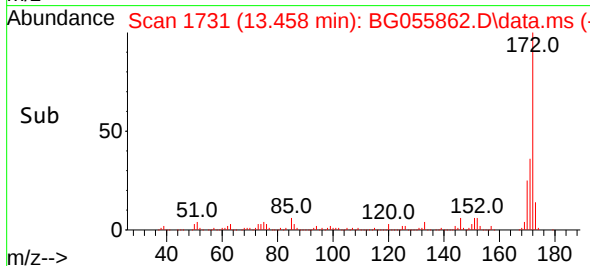


Tgt Ion:172 Resp: 579248
Ion Ratio Lower Upper
172 100
171 36.0 29.8 44.6
170 24.8 20.2 30.4

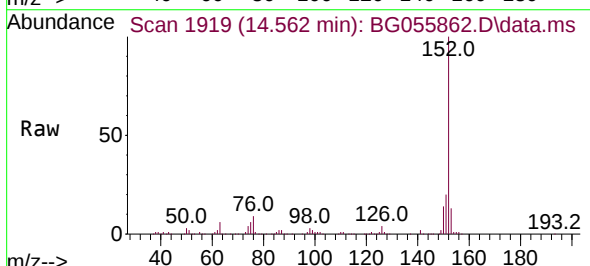
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
12/02/2022

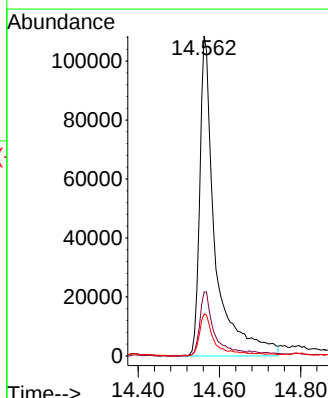
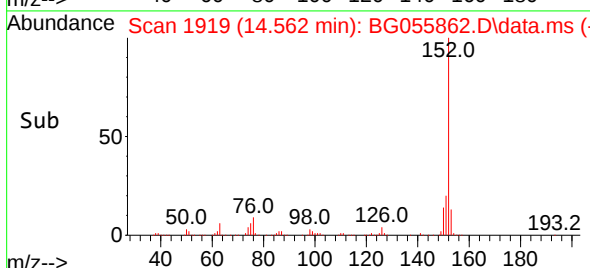
Supervised By :Jagrut
Upadhyay
12/02/2022

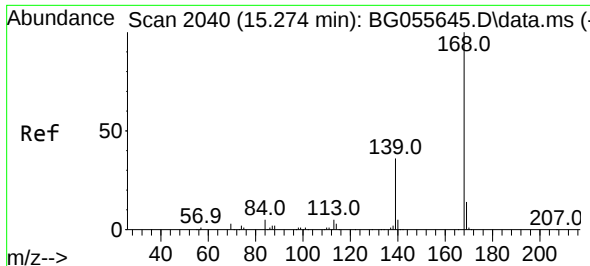


#49
Acenaphthylene
Concen: 26.028 ng
RT: 14.562 min Scan# 1919
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22



Tgt Ion:152 Resp: 285968
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.2 11.0 16.4





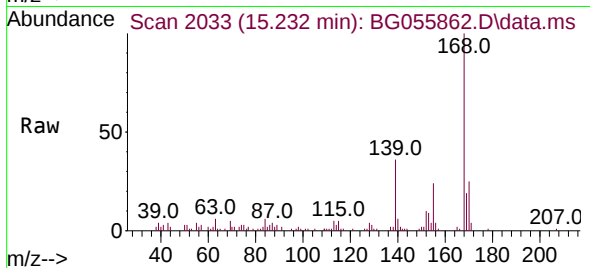
#55
Dibenzenofuran
Concen: 2.867 ng
RT: 15.232 min Scan# 2040
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

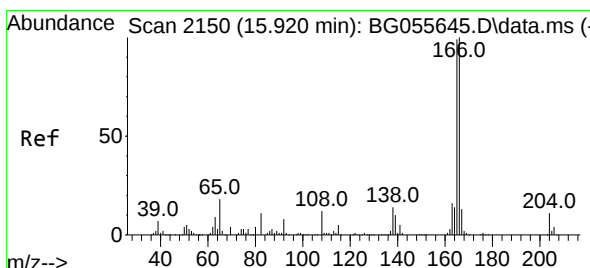
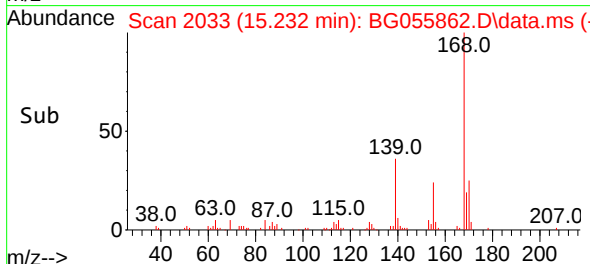
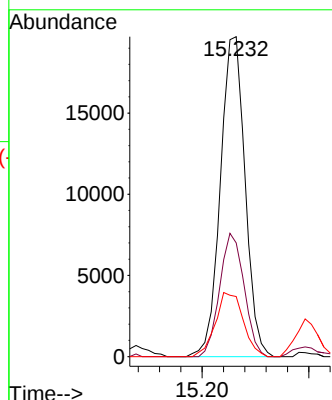


Tgt Ion:168 Resp: 31756
Ion Ratio Lower Upper
168 100
139 35.5 28.8 43.2
169 18.8 11.0 16.4

Manual Integrations
APPROVED

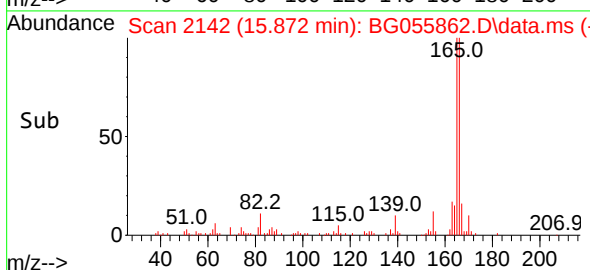
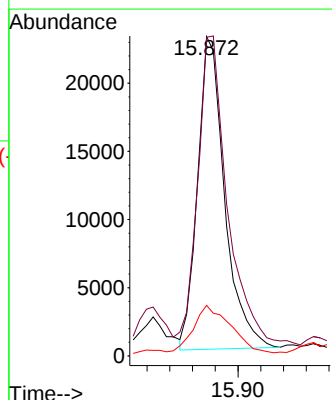
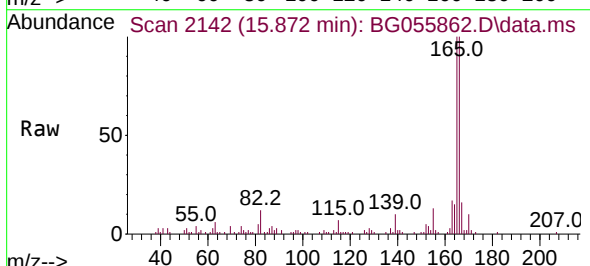
Reviewed By :Christian
Giraldo
12/02/2022

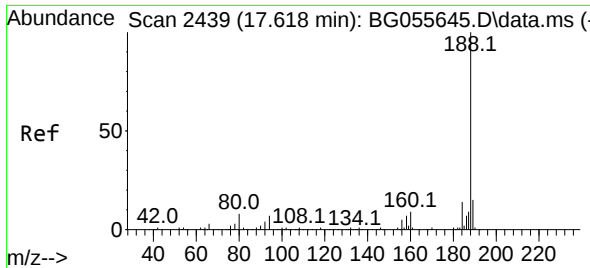
Supervised By :Jagrut
Upadhyay
12/02/2022



#58
Fluorene
Concen: 4.281 ng
RT: 15.872 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:166 Resp: 37879
Ion Ratio Lower Upper
166 100
165 99.8 79.3 118.9
167 15.8 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

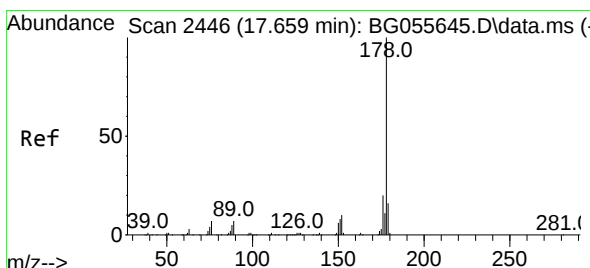
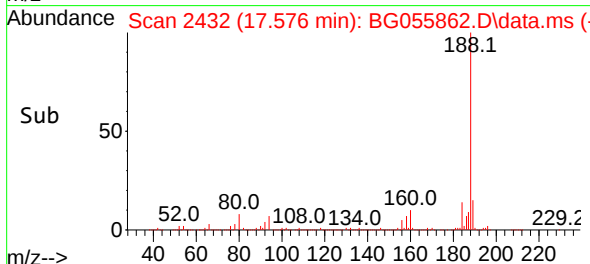
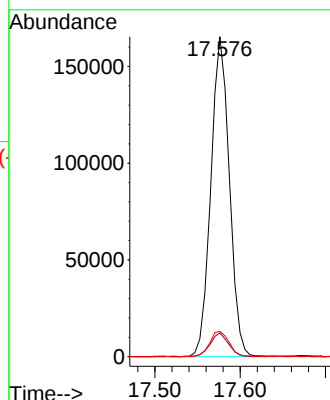
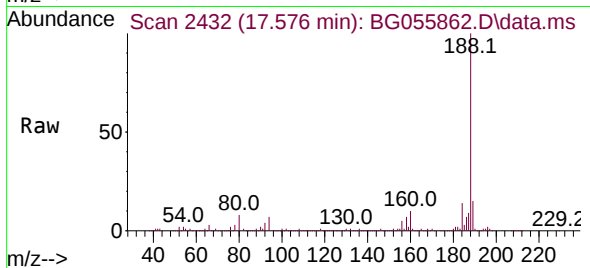
PEQ-STOCK

Tgt Ion:188 Resp: 249187
Ion Ratio Lower Upper
188 100
94 7.4 5.4 8.2
80 7.9 6.6 10.0

Manual Integrations
APPROVED

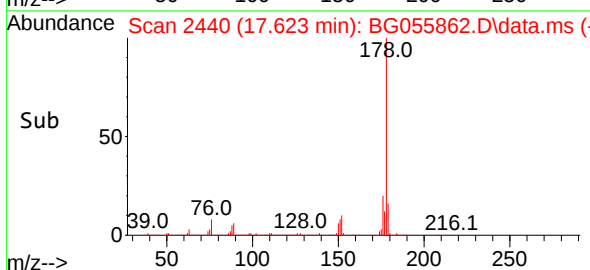
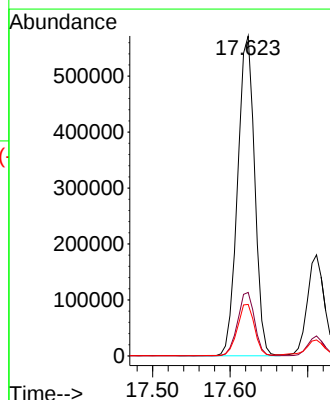
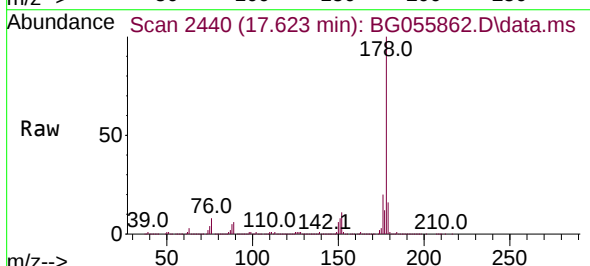
Reviewed By :Christian
Giraldo
12/02/2022

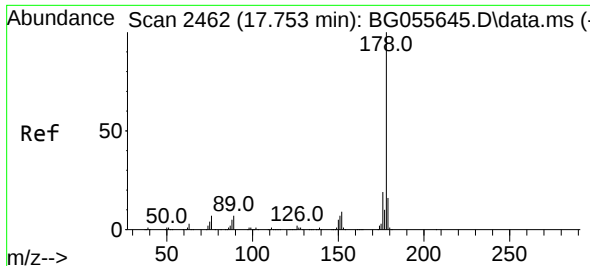
Supervised By :Jagrut
Upadhyay
12/02/2022



#71
Phenanthrene
Concen: 64.836 ng
RT: 17.623 min Scan# 2440
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:178 Resp: 871863
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.1 12.7 19.1





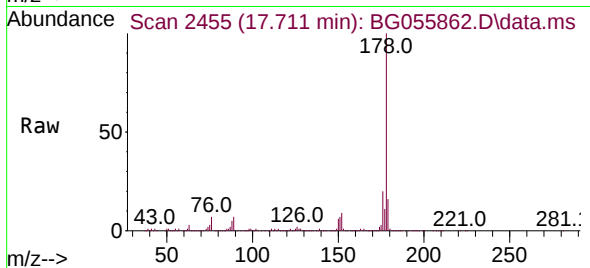
#72
 Anthracene
 Concen: 22.839 ng
 RT: 17.711 min Scan# 2462
 Delta R.T. -0.001 min
 Lab File: BG055862.D
 Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

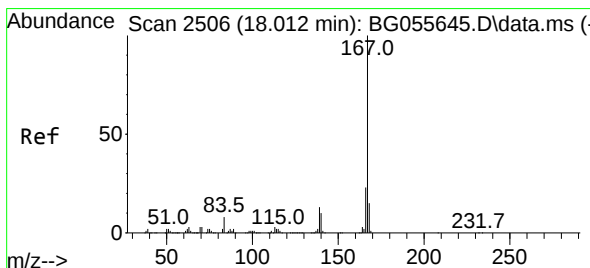
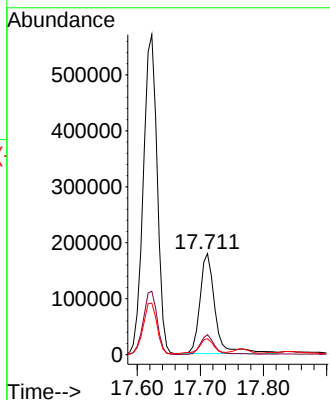
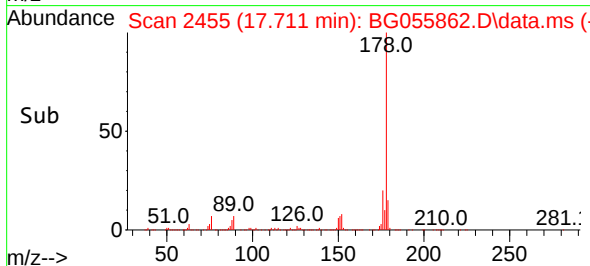


Tgt Ion:178 Resp: 298401
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.5 23.3
 179 15.7 12.5 18.7

Manual Integrations
 APPROVED

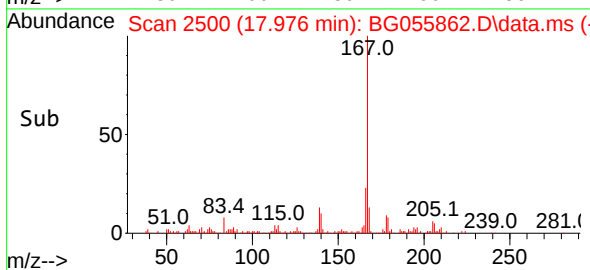
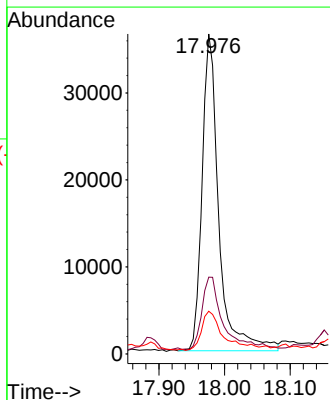
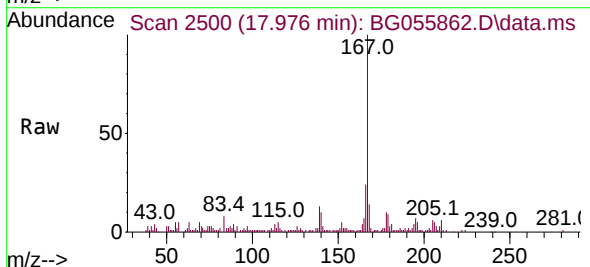
Reviewed By :Christian
 Giraldo
 12/02/2022

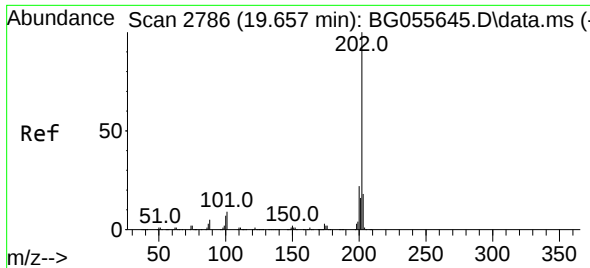
Supervised By :Jagrut
 Upadhyay
 12/02/2022



#73
 Carbazole
 Concen: 5.455 ng
 RT: 17.976 min Scan# 2500
 Delta R.T. -0.001 min
 Lab File: BG055862.D
 Acq: 1 Dec 2022 19:22

Tgt Ion:167 Resp: 64079
 Ion Ratio Lower Upper
 167 100
 166 24.0 18.2 27.2
 139 13.3 10.2 15.4





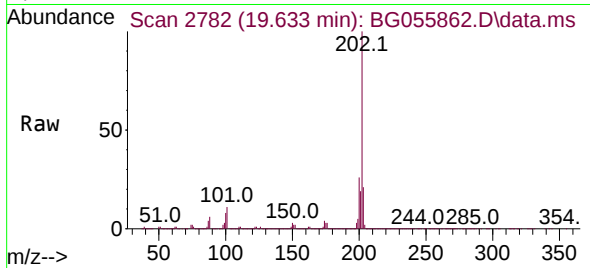
#75
Fluoranthene
Concen: 168.124 ng
RT: 19.633 min Scan# 21
Delta R.T. 0.017 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

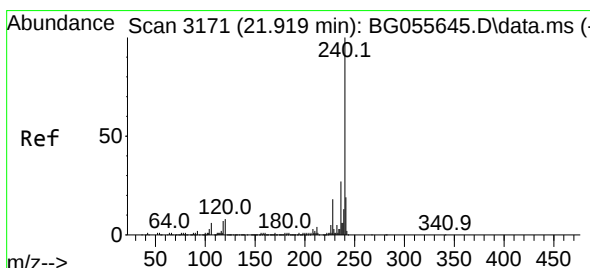
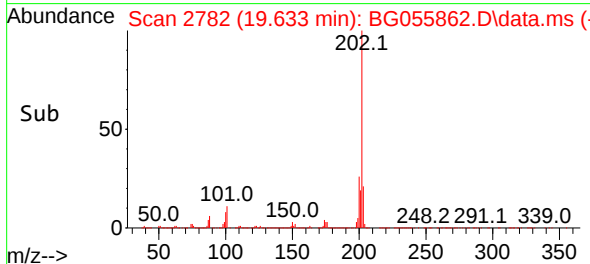
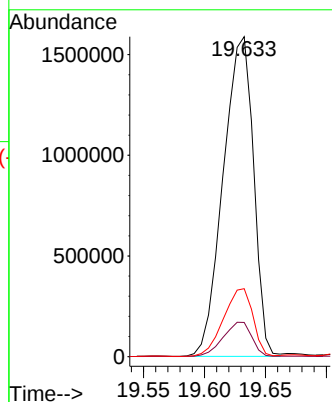


Tgt Ion:202 Resp: 2750426
Ion Ratio Lower Upper
202 100
101 10.7 0.0 28.8
203 21.2 0.0 38.1

Manual Integrations
APPROVED

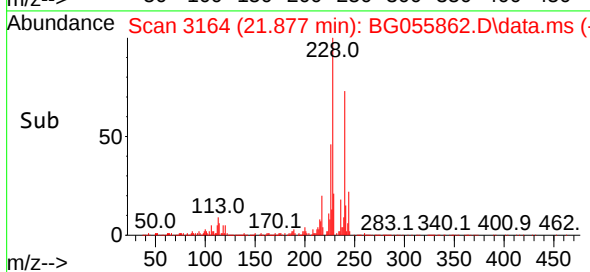
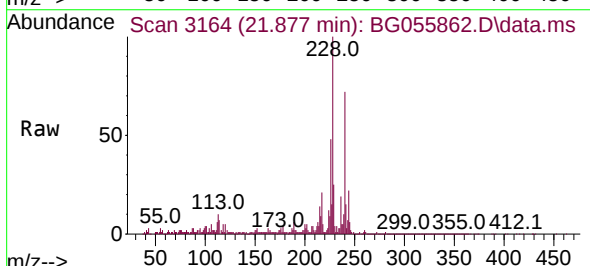
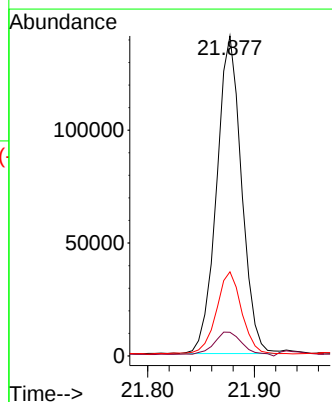
Reviewed By :Christian
Giraldo
12/02/2022

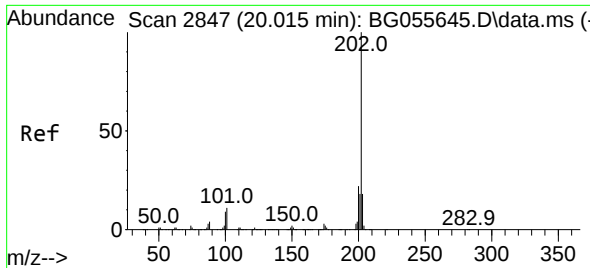
Supervised By :Jagrut
Upadhyay
12/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.877 min Scan# 3164
Delta R.T. 0.011 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:240 Resp: 228692
Ion Ratio Lower Upper
240 100
120 7.4 6.3 9.5
236 26.3 21.9 32.9





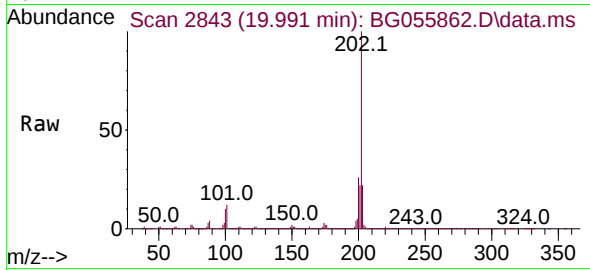
#78
Pyrene
Concen: 156.104 ng m
RT: 19.991 min Scan# 2843
Delta R.T. 0.011 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

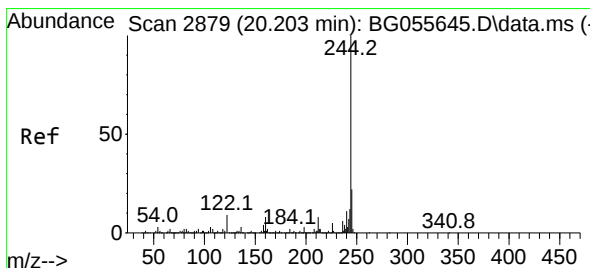
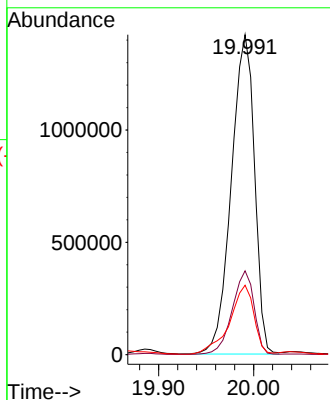
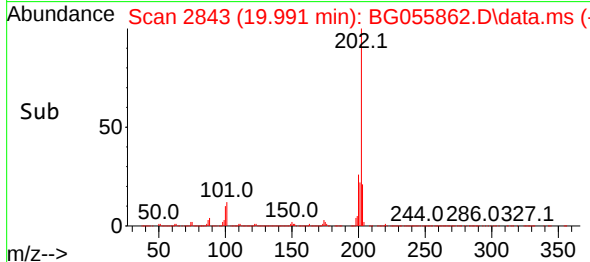


Tgt Ion:202 Resp: 2416448
Ion Ratio Lower Upper
202 100
200 26.2 17.8 26.6
203 21.7 14.4 21.6

Manual Integrations
APPROVED

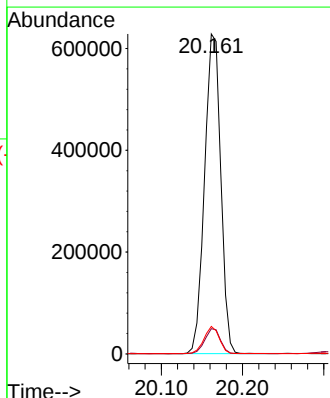
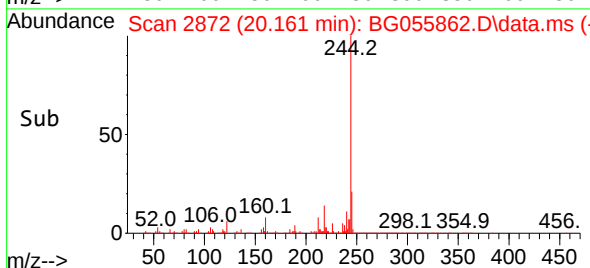
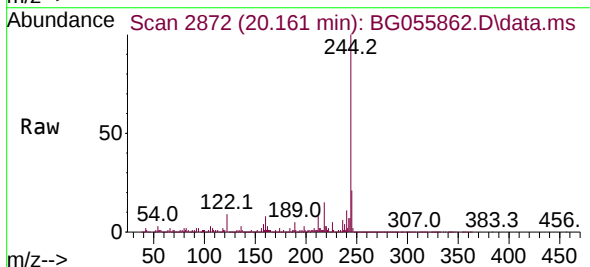
Reviewed By :Christian
Giraldo
12/02/2022

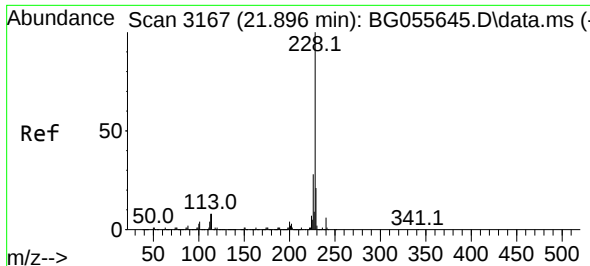
Supervised By :Jagrut
Upadhyay
12/02/2022



#79
Terphenyl-d14
Concen: 76.196 ng
RT: 20.161 min Scan# 2872
Delta R.T. -0.001 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

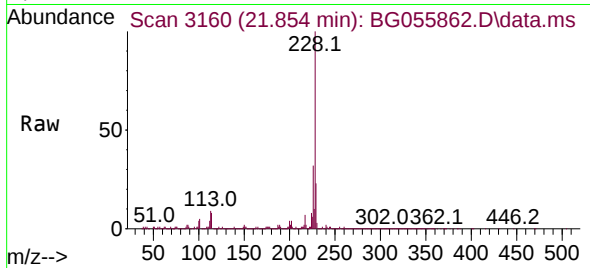
Tgt Ion:244 Resp: 871220
Ion Ratio Lower Upper
244 100
212 7.9 6.3 9.5
122 8.6 6.9 10.3





#81
Benzo(a)anthracene
Concen: 107.154 ng
RT: 21.854 min Scan# 3167
Delta R.T. 0.005 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

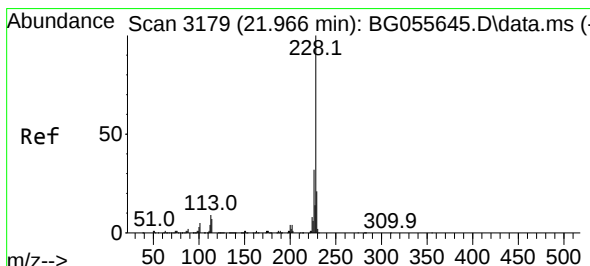
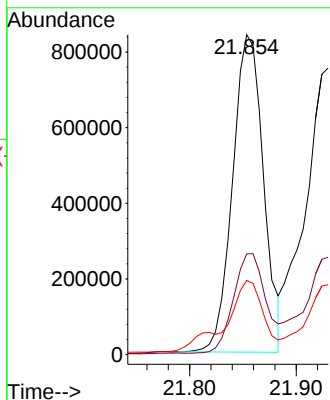
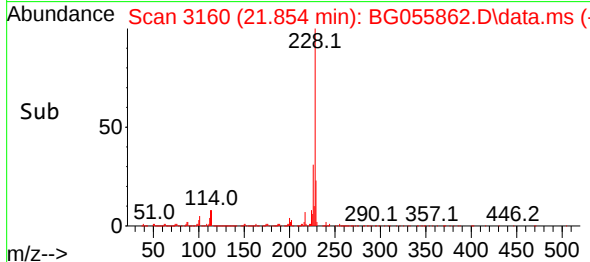
Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK



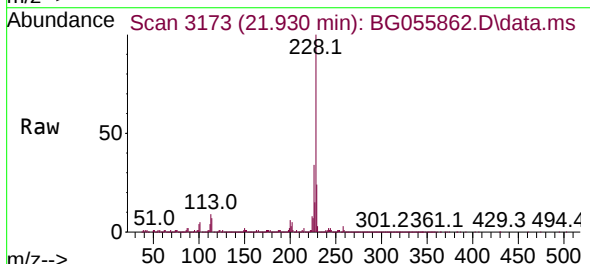
Tgt Ion:228 Resp: 1687826
Ion Ratio Lower Upper
228 100
226 31.5 22.7 34.1
229 23.2 16.5 24.7

Manual Integrations
APPROVED

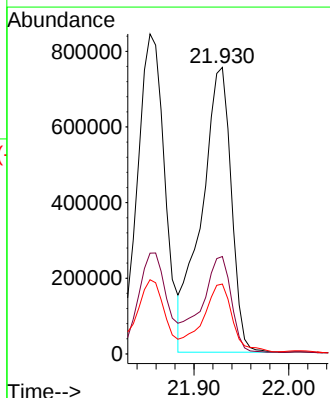
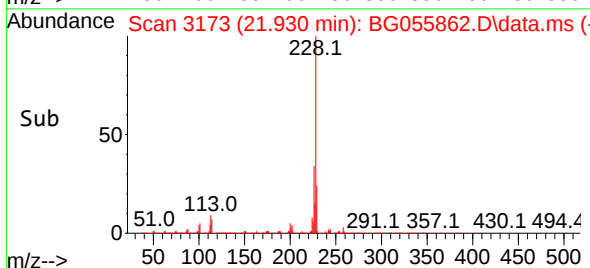
Reviewed By :Christian
Giraldo
12/02/2022
Supervised By :Jagrut
Upadhyay
12/02/2022

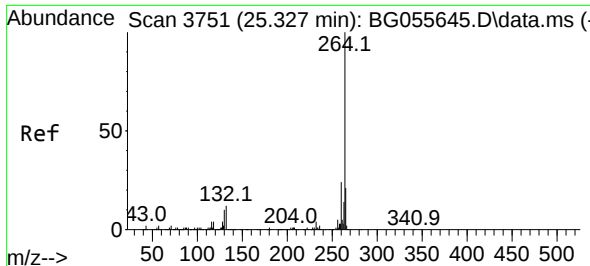


#83
Chrysene
Concen: 109.804 ng
RT: 21.930 min Scan# 3173
Delta R.T. 0.011 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22



Tgt Ion:228 Resp: 1646529
Ion Ratio Lower Upper
228 100
226 34.0 25.4 38.2
229 24.4 17.1 25.7





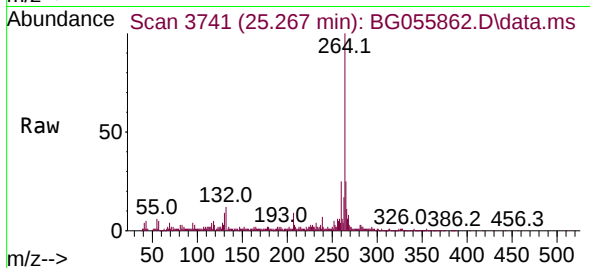
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.267 min Scan# 31
Delta R.T. 0.017 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

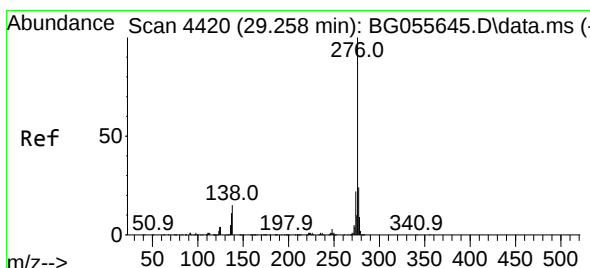
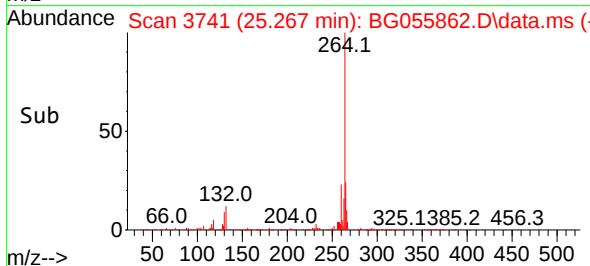
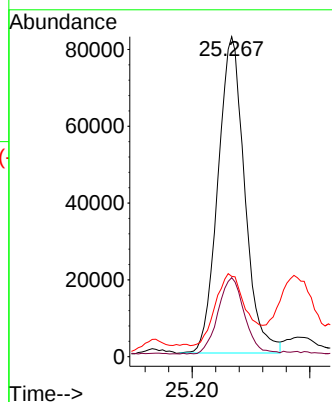


Tgt Ion:264 Resp: 26010
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 25.1 17.1 25.7

Manual Integrations
APPROVED

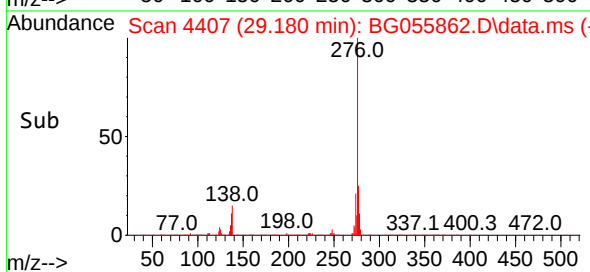
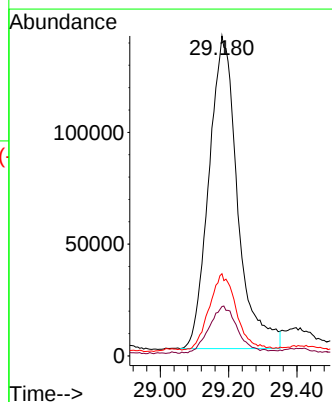
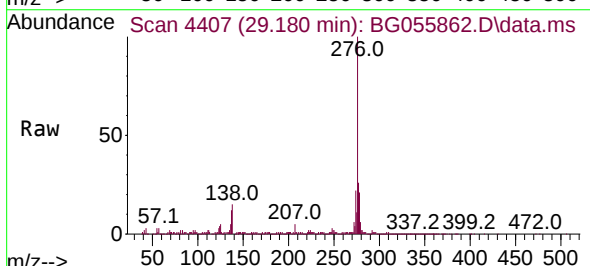
Reviewed By :Christian
Giraldo
12/02/2022

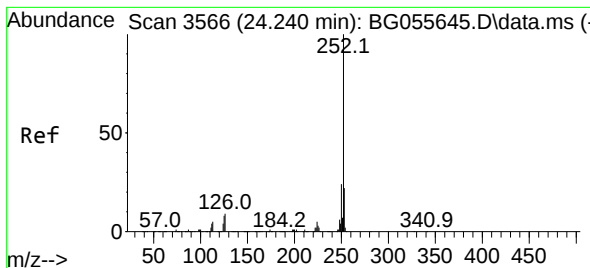
Supervised By :Jagrut
Upadhyay
12/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 38.318 ng
RT: 29.180 min Scan# 4407
Delta R.T. 0.029 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Tgt Ion:276 Resp: 816497
Ion Ratio Lower Upper
276 100
138 14.4 10.4 15.6
277 22.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 133.749 ng

RT: 24.204 min Scan# 3560

Delta R.T. 0.035 min

Lab File: BG055862.D

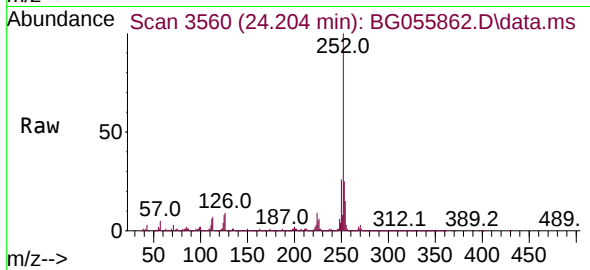
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK



Tgt Ion:252 Resp: 2265592

Ion Ratio Lower Upper

252 100

253 24.9 18.0 27.0

125 8.5 6.2 9.2

Manual Integrations

APPROVED

Reviewed By :Christian

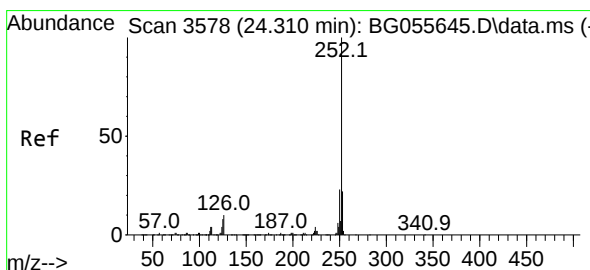
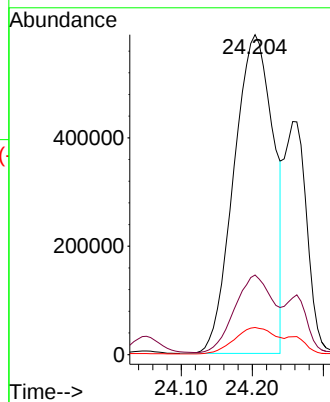
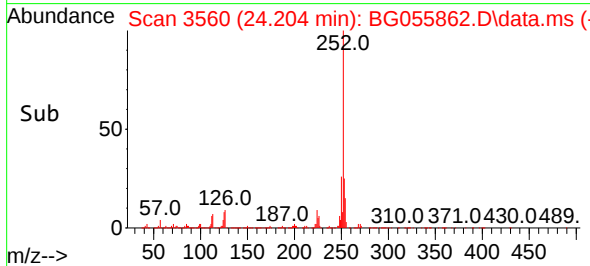
Giraldo

12/02/2022

Supervised By :Jagrut

Upadhyay

12/02/2022



#89

Benzo(k)fluoranthene

Concen: 56.117 ng m

RT: 24.257 min Scan# 3569

Delta R.T. 0.017 min

Lab File: BG055862.D

Acq: 1 Dec 2022 19:22

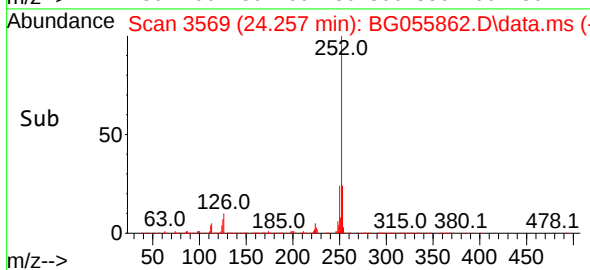
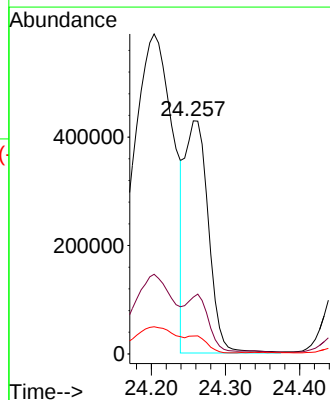
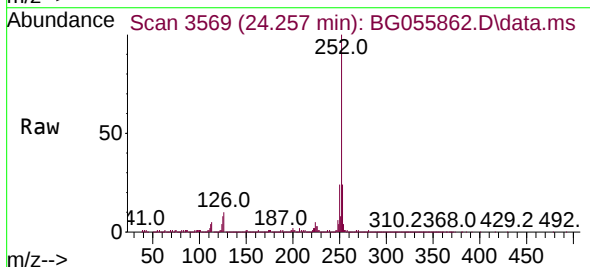
Tgt Ion:252 Resp: 947532

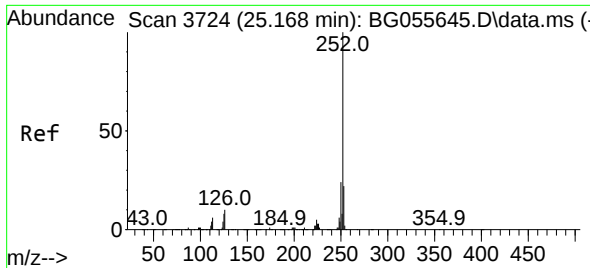
Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

125 7.6 6.1 9.1





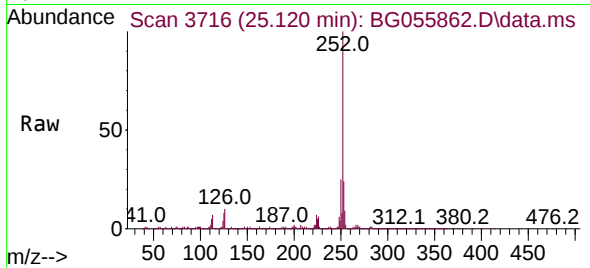
#90
Benzo(a)pyrene
Concen: 87.694 ng
RT: 25.120 min Scan# 3716
Delta R.T. 0.029 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :

BNA_G

ClientSampleId :

PEQ-STOCK

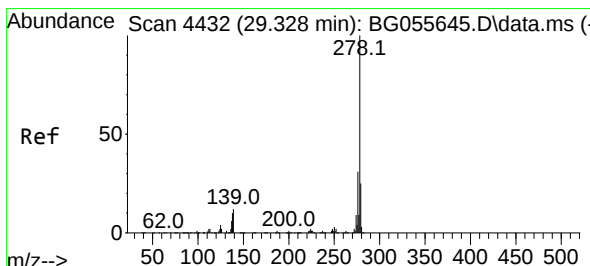
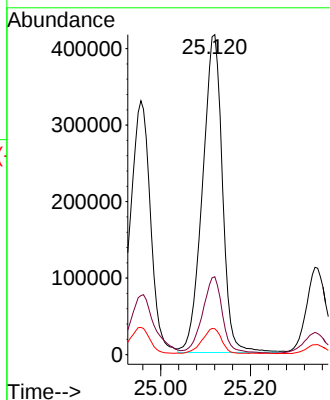
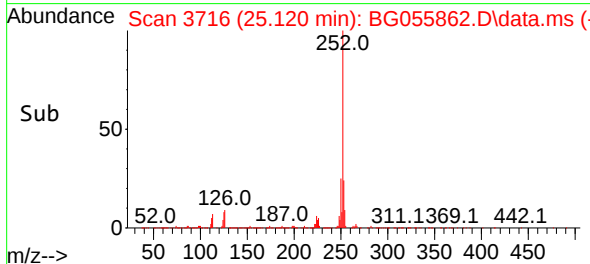


Tgt Ion:252 Resp: 1274716
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 8.1 6.4 9.6

Manual Integrations
APPROVED

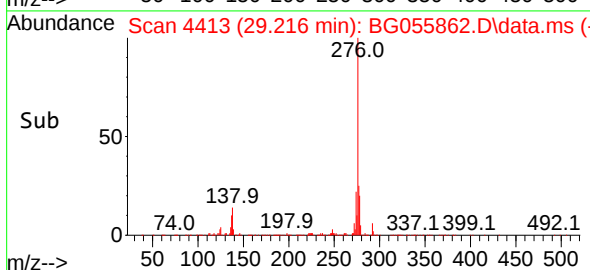
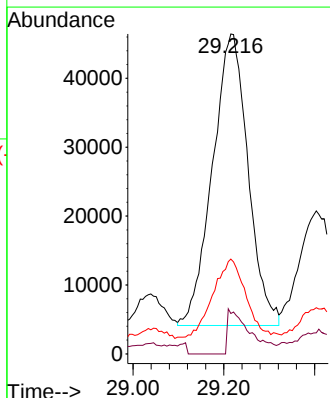
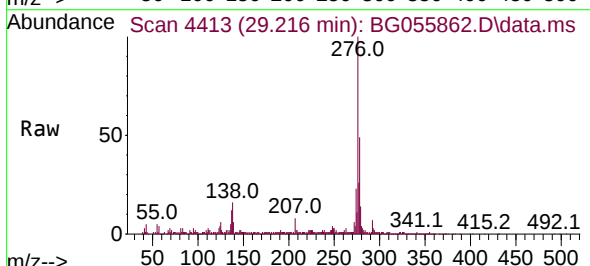
Reviewed By :Christian
Giraldo
12/02/2022

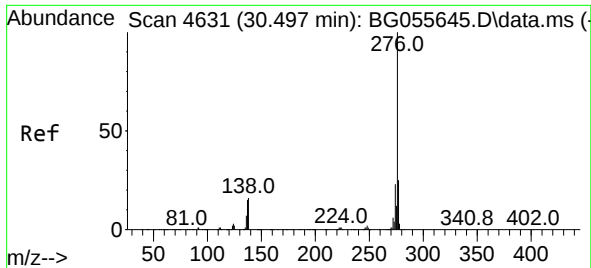
Supervised By :Jagrut
Upadhyay
12/02/2022



#91
Dibenzo(a,h)anthracene
Concen: 13.225 ng m
RT: 29.216 min Scan# 4413
Delta R.T. 0.005 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

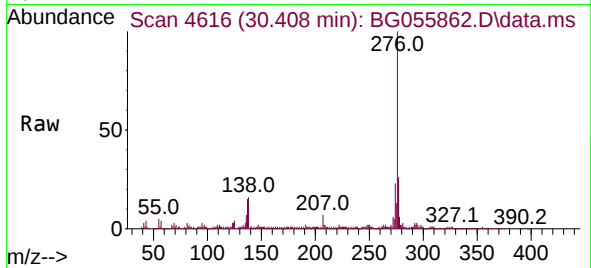
Tgt Ion:278 Resp: 230277
Ion Ratio Lower Upper
278 100
139 12.6 9.8 14.8
279 29.6 19.8 29.6#





#92
Benzo(g,h,i)perylene
Concen: 35.401 ng
RT: 30.408 min Scan# 4631
Delta R.T. 0.035 min
Lab File: BG055862.D
Acq: 1 Dec 2022 19:22

Instrument :
BNA_G
ClientSampleId :
PEQ-STOCK



Tgt Ion:276 Resp: 62128
Ion Ratio Lower Upper
276 100
277 25.6 19.8 29.6
138 15.7 13.1 19.7

Manual Integrations
APPROVED

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

