

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
 Data File : BG055673.D
 Acq On : 17 Nov 2022 20:00
 Operator : CG/JU
 Sample : N5481-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/18/2022
 Supervised By : Jagrut Upadhyay 11/18/2022

Quant Time: Nov 18 03:16:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 17 02:02:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.249	152	53098	20.000	ng	0.00
21) Naphthalene-d8	11.081	136	229682	20.000	ng	0.00
39) Acenaphthene-d10	14.870	164	155800	20.000	ng	0.00
64) Phenanthrene-d10	17.614	188	336215	20.000	ng	0.00
76) Chrysene-d12	21.915	240	316968	20.000	ng	0.00
86) Perylene-d12	25.335	264	347605	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.781	112	371190	126.357	ng	0.00
7) Phenol-d6	7.391	99	489888	125.277	ng	0.00
23) Nitrobenzene-d5	9.424	82	308449	70.981	ng	0.00
42) 2,4,6-Tribromophenol	16.357	330	247074	112.620	ng	0.00
45) 2-Fluorobiphenyl	13.502	172	741710	71.321	ng	0.00
79) Terphenyl-d14	20.205	244	1084034	68.405	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.600	152	63843	4.393	ng	97
52) Acenaphthene	14.935	154	47927	5.046	ng	99
55) Dibenzofuran	15.264	168	42604	2.908	ng	99
58) Fluorene	15.910	166	31628	2.703	ng	96
70) Pentachlorophenol	17.262	266	18893m	7.271	ng	
71) Phenanthrene	17.655	178	374125	20.620	ng	99
72) Anthracene	17.749	178	87260	4.950	ng	99
73) Carbazole	18.008	167	45532	2.873	ng	98
75) Fluoranthene	19.659	202	1236541	56.021	ng	98
78) Pyrene	20.017	202	1136895	52.990	ng	98
81) Benzo(a)anthracene	21.898	228	758301	34.734	ng	96
83) Chrysene	21.968	228	835806m	40.215	ng	
84) Bis(2-ethylhexyl)phtha...	21.774	149	71431	5.918	ng	# 98
87) Indeno(1,2,3-cd)pyrene	29.271	276	662071	23.250	ng	# 97
88) Benzo(b)fluoranthene	24.254	252	1395894	61.662	ng	98
89) Benzo(k)fluoranthene	24.312	252	512904m	22.729	ng	
90) Benzo(a)pyrene	25.182	252	890013	45.815	ng	98
91) Dibenzo(a,h)anthracene	29.312	278	166826	7.169	ng	97
92) Benzo(g,h,i)perylene	30.505	276	621022	26.479	ng	99

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

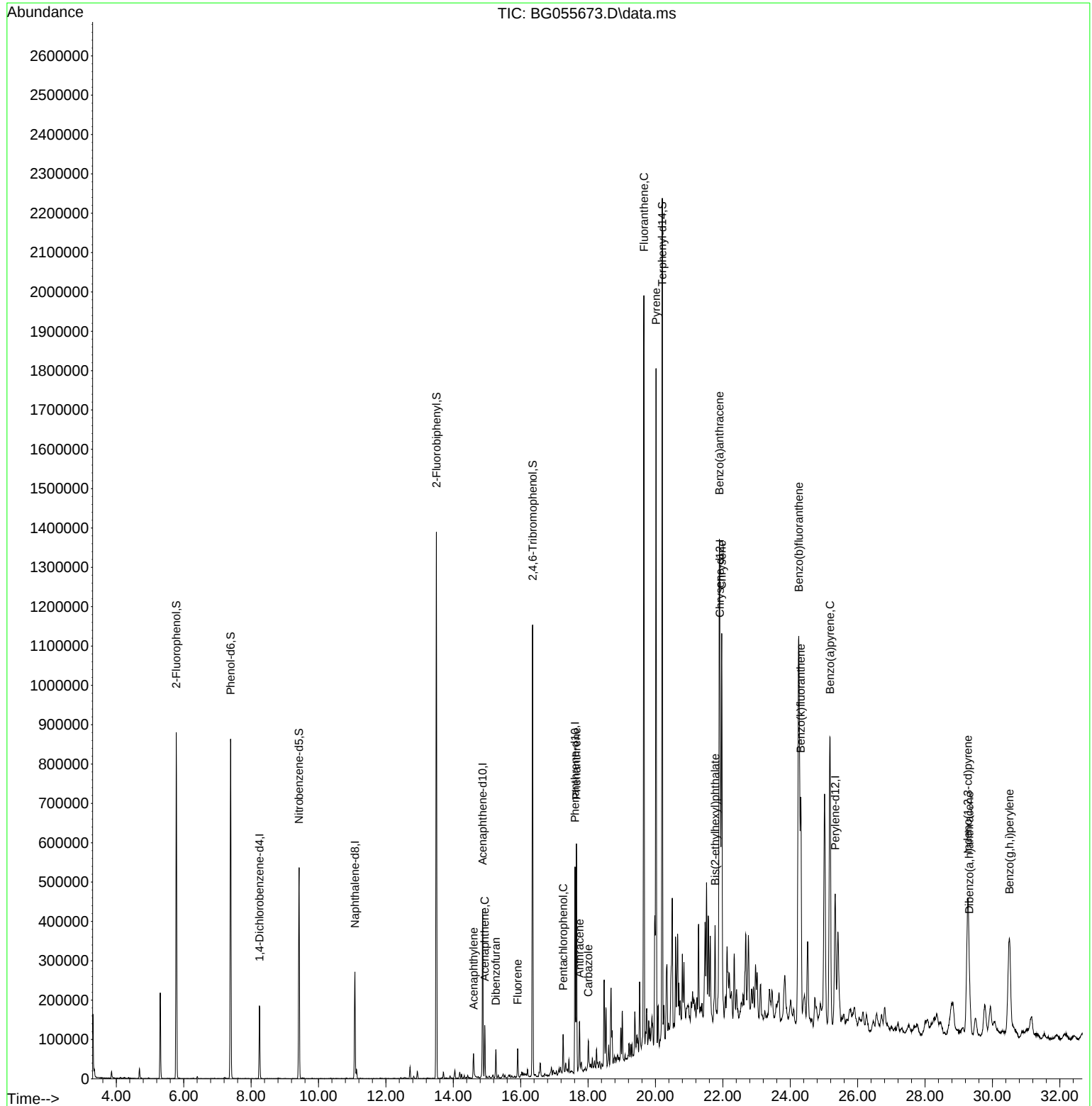
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111722\
Data File : BG055673.D
Acq On : 17 Nov 2022 20:00
Operator : CG/JU
Sample : N5481-01RE
Misc :
ALS Vial : 8 Sample Multiplier: 1

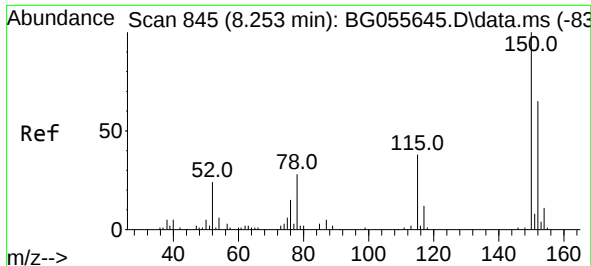
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

Quant Time: Nov 18 03:16:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 17 02:02:46 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 11/18/2022
Supervised By : Jagrut Upadhyay 11/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.249 min Scan# 845
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

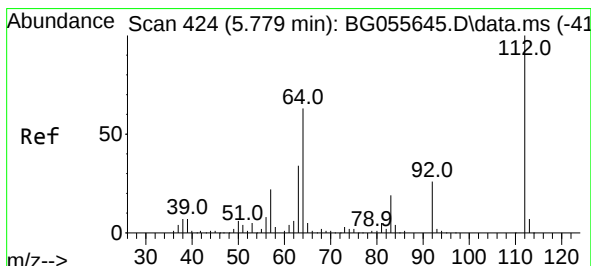
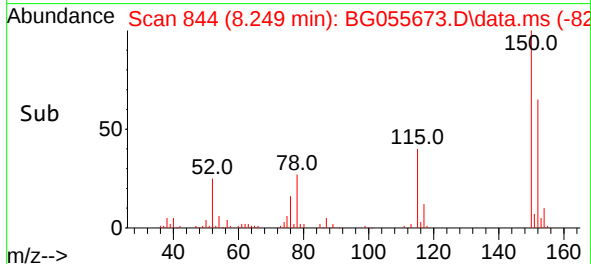
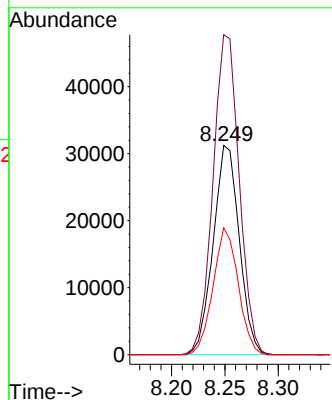
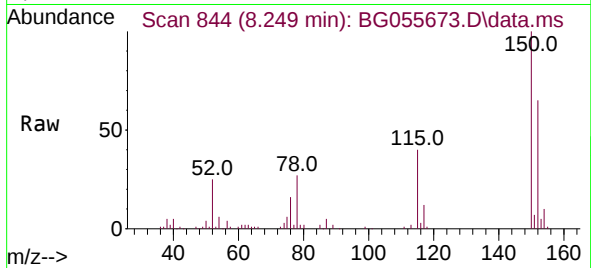
VNJ-231RE

Tgt Ion:152 Resp: 53098
Ion Ratio Lower Upper
152 100
150 152.9 123.0 184.6
115 60.6 47.0 70.4

Manual Integrations

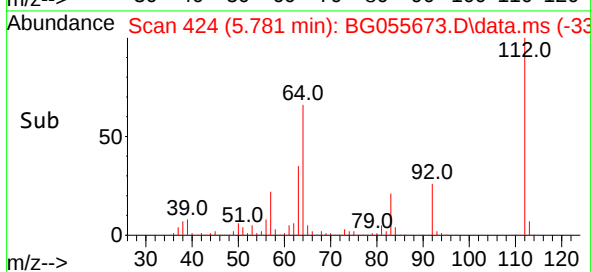
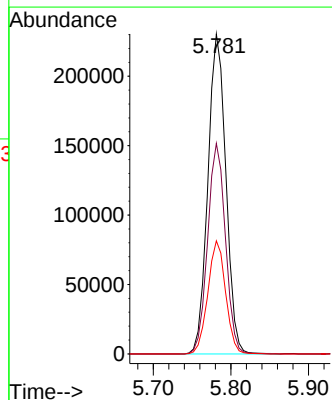
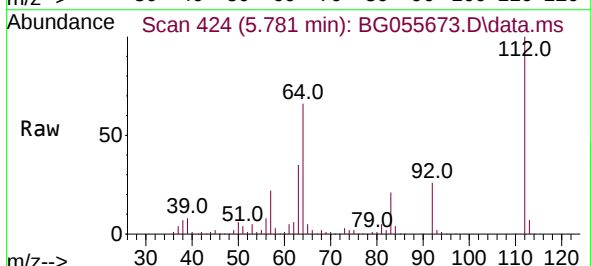
APPROVED

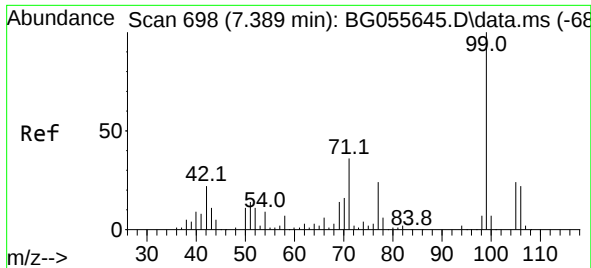
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#5
2-Fluorophenol
Concen: 126.357 ng
RT: 5.781 min Scan# 424
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:112 Resp: 371190
Ion Ratio Lower Upper
112 100
64 65.8 50.6 76.0
63 35.3 27.5 41.3





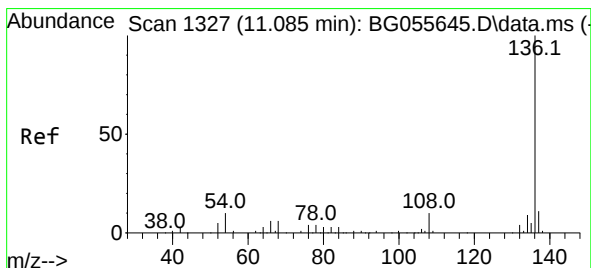
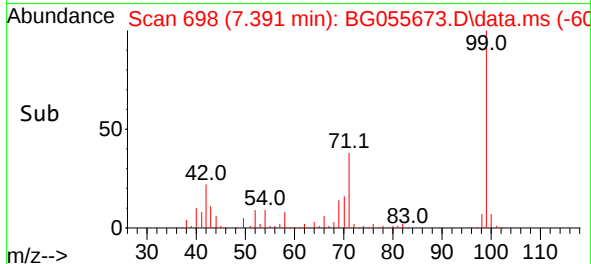
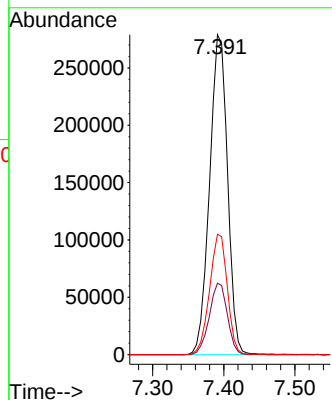
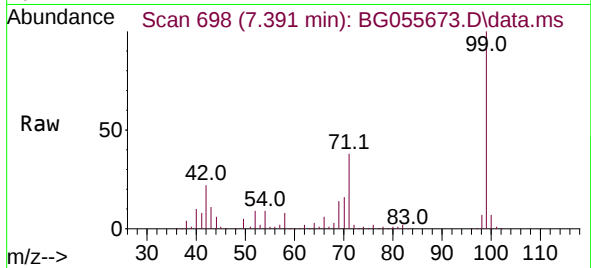
#7
Phenol-d6
Concen: 125.277 ng
RT: 7.391 min Scan# 698
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

Tgt Ion: 99 Resp: 489888
Ion Ratio Lower Upper
99 100
42 22.3 18.0 27.0
71 37.6 29.0 43.6

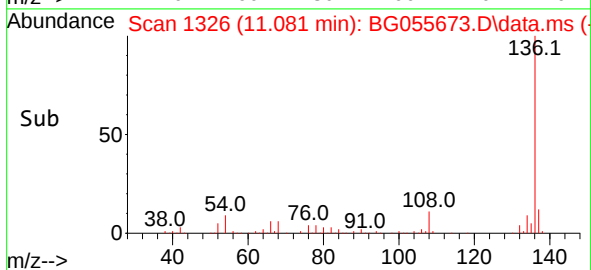
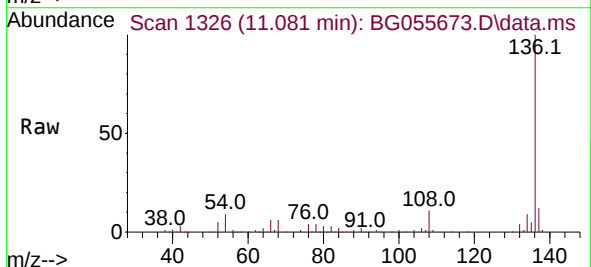
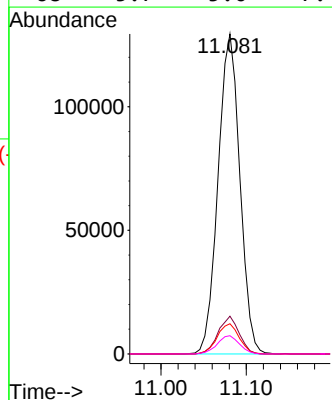
Manual Integrations
APPROVED

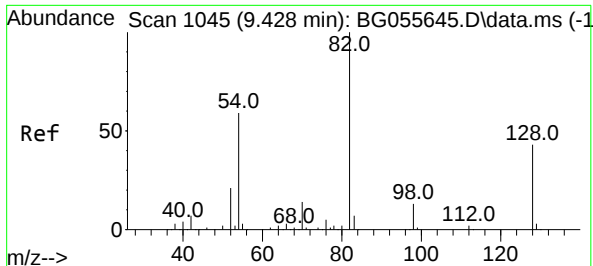
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.081 min Scan# 1326
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:136 Resp: 229682
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.6
54 9.4 7.8 11.6
68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 70.981 ng

RT: 9.424 min Scan# 1044

Delta R.T. -0.004 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

Tgt Ion: 82 Resp: 308449

Ion Ratio Lower Upper

82 100

128 43.0 34.1 51.1

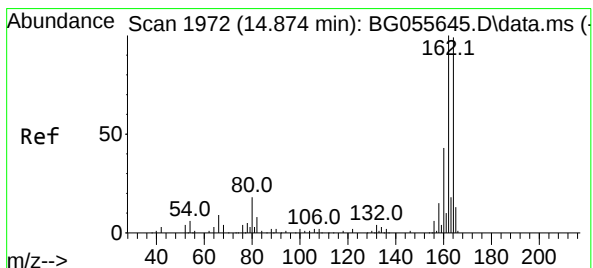
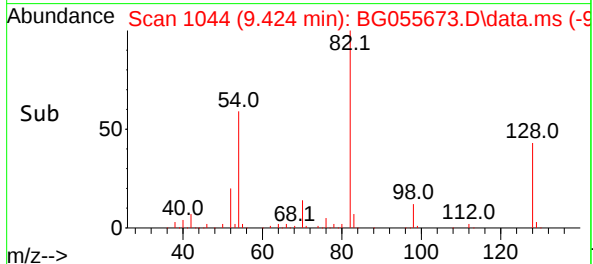
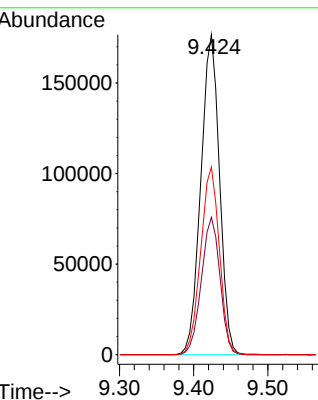
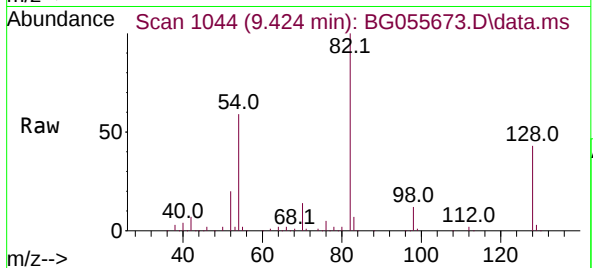
54 58.6 47.3 70.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/18/2022

Supervised By :Jagrut Upadhyay 11/18/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.870 min Scan# 1971

Delta R.T. -0.004 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

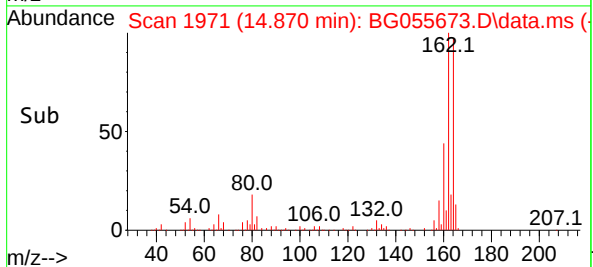
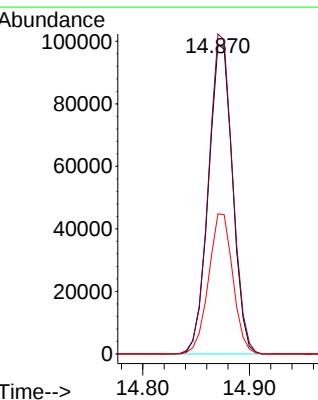
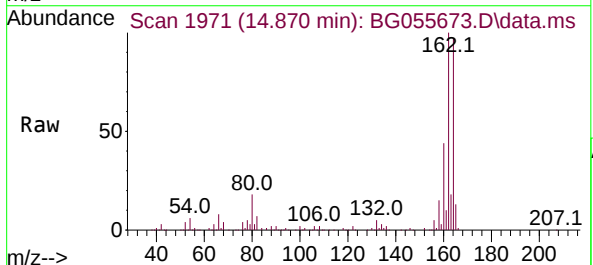
Tgt Ion:164 Resp: 155800

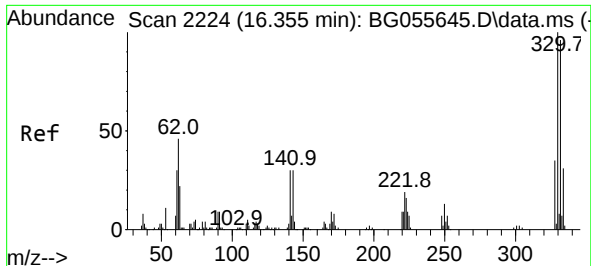
Ion Ratio Lower Upper

164 100

162 103.4 81.1 121.7

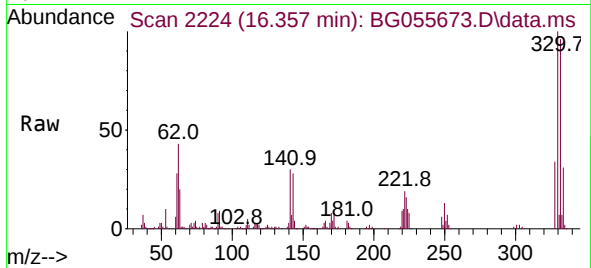
160 45.3 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 112.620 ng
RT: 16.357 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

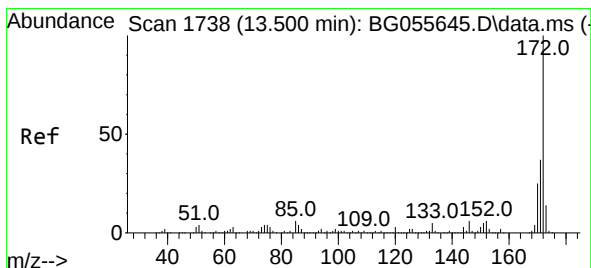
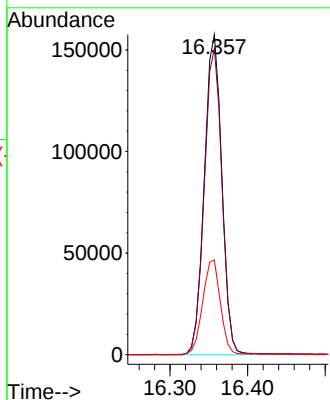
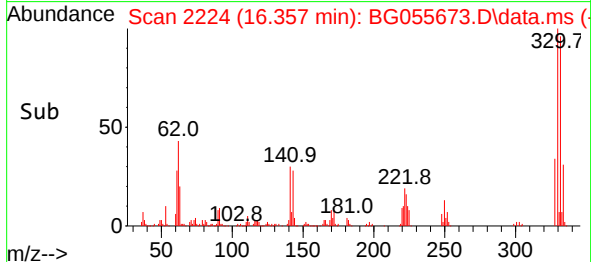
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



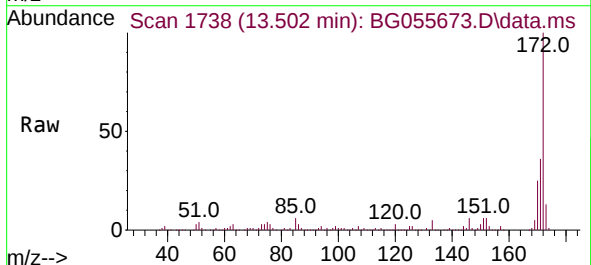
Tgt Ion:330 Resp: 247074
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.8
141 30.1 23.9 35.9

Manual Integrations
APPROVED

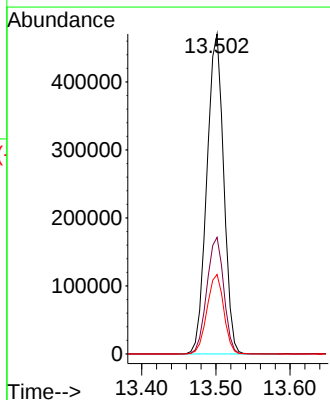
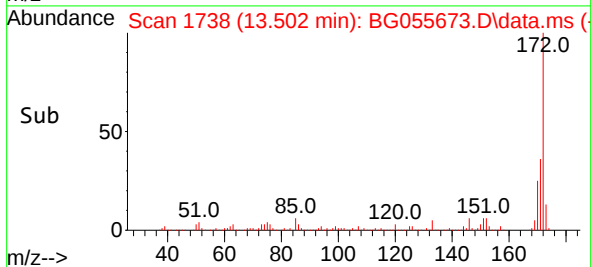
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

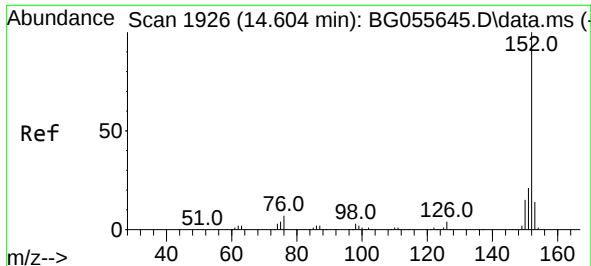


#45
2-Fluorobiphenyl
Concen: 71.321 ng
RT: 13.502 min Scan# 1738
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00



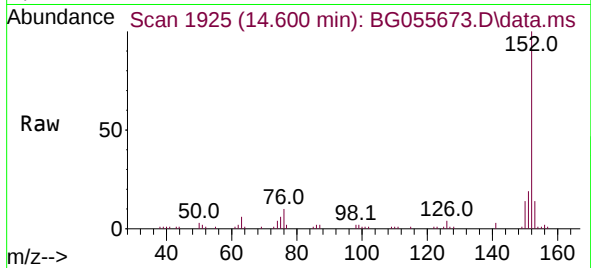
Tgt Ion:172 Resp: 741710
Ion Ratio Lower Upper
172 100
171 36.4 29.8 44.6
170 24.8 20.2 30.4





#49
Acenaphthylene
Concen: 4.393 ng
RT: 14.600 min Scan# 1926
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

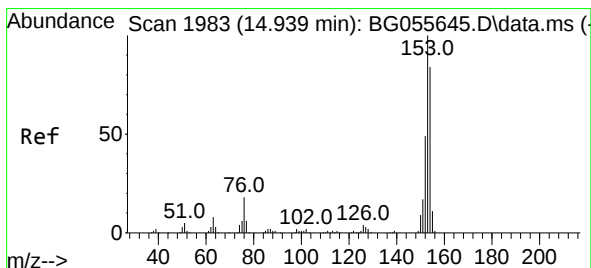
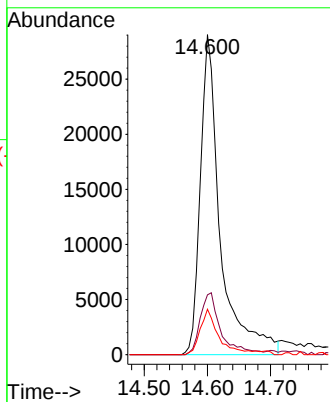
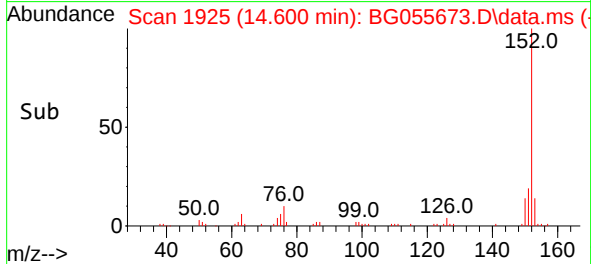
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



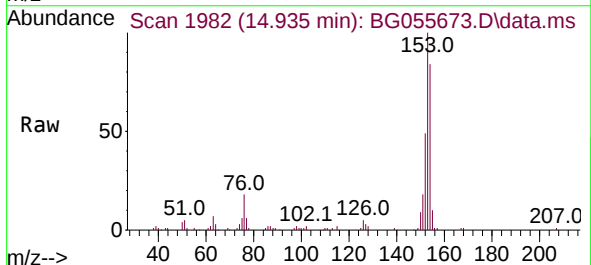
Tgt Ion:152 Resp: 63843
Ion Ratio Lower Upper
152 100
151 18.7 16.4 24.6
153 14.2 11.0 16.4

Manual Integrations
APPROVED

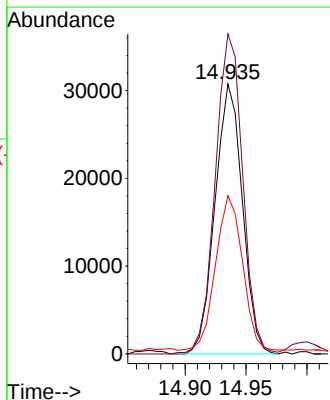
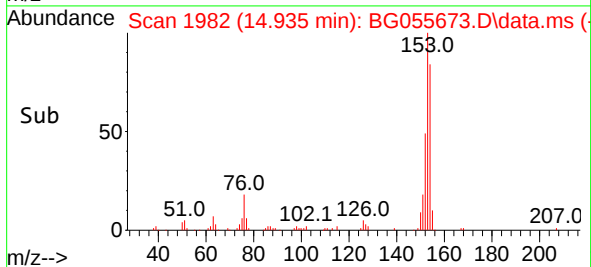
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

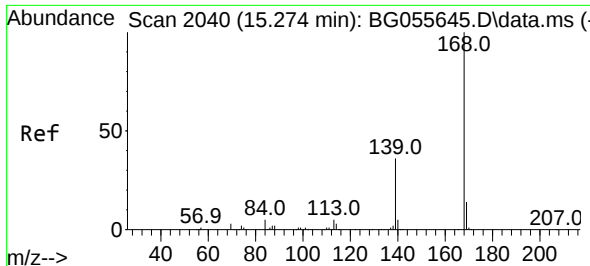


#52
Acenaphthene
Concen: 5.046 ng
RT: 14.935 min Scan# 1982
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00



Tgt Ion:154 Resp: 47927
Ion Ratio Lower Upper
154 100
153 118.6 95.0 142.4
152 58.6 46.1 69.1





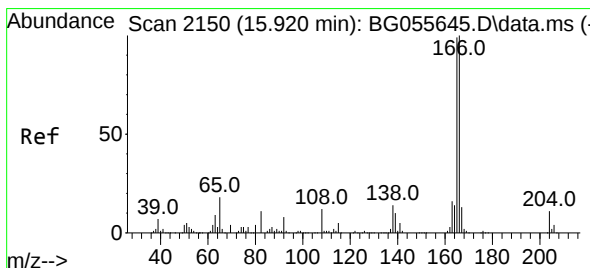
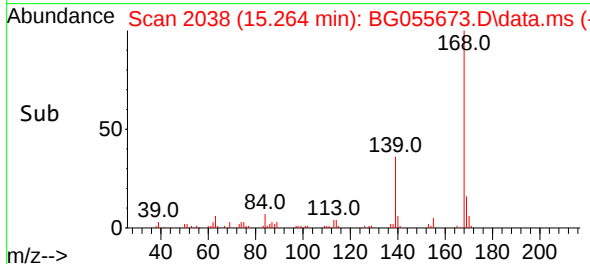
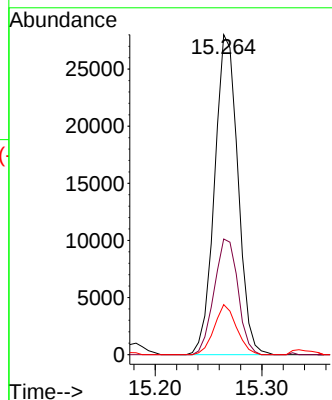
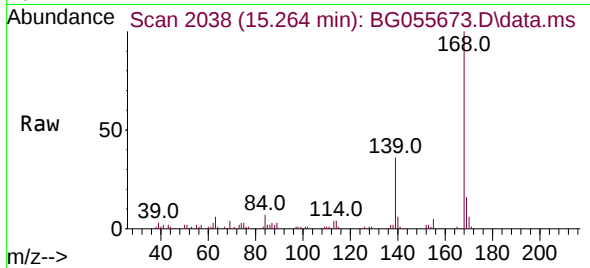
#55
Dibenzenofuran
Concen: 2.908 ng
RT: 15.264 min Scan# 2040
Delta R.T. -0.010 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Instrument :
BNA_G
ClientSampleId :
VNJ-231RE

Tgt Ion:168 Resp: 42604
Ion Ratio Lower Upper
168 100
139 36.1 28.8 43.2
169 15.6 11.0 16.4

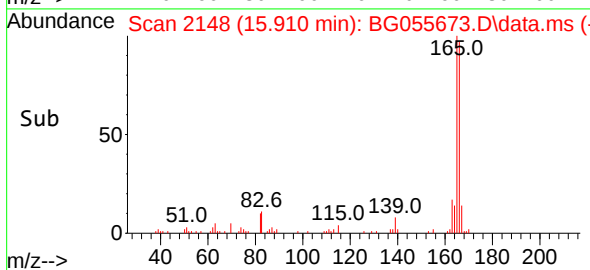
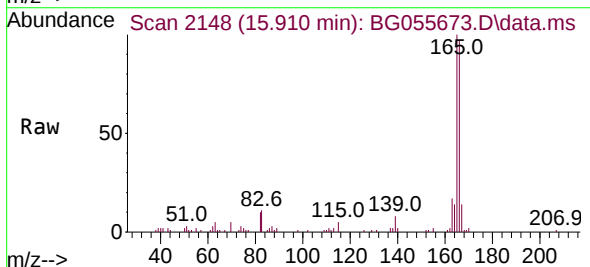
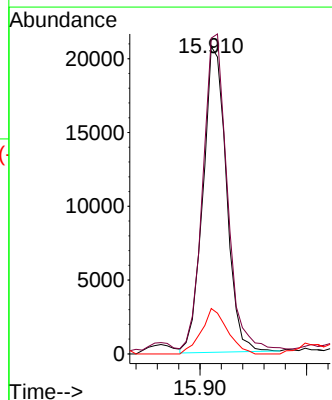
Manual Integrations
APPROVED

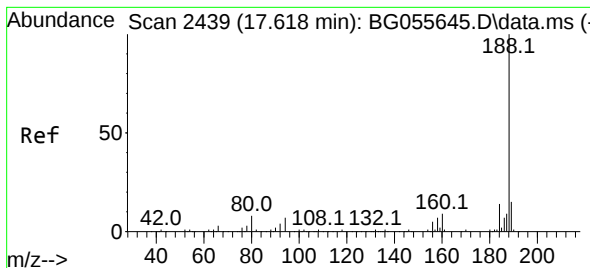
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#58
Fluorene
Concen: 2.703 ng
RT: 15.910 min Scan# 2148
Delta R.T. -0.010 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

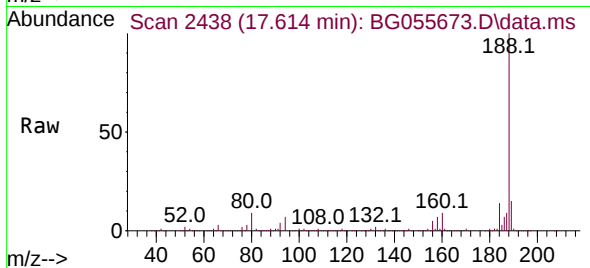
Tgt Ion:166 Resp: 31628
Ion Ratio Lower Upper
166 100
165 102.8 79.3 118.9
167 14.8 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.614 min Scan# 2439
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

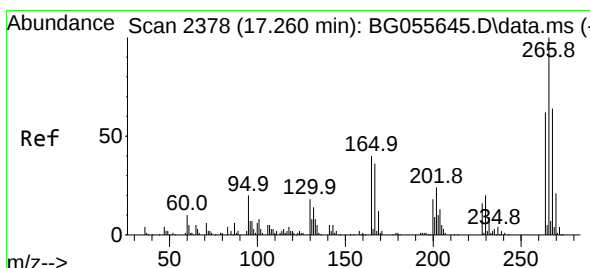
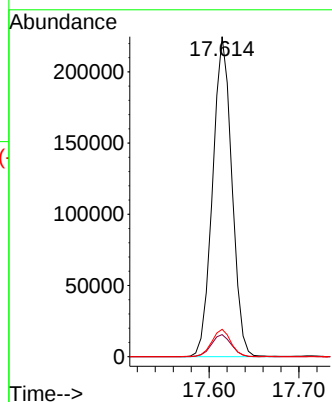
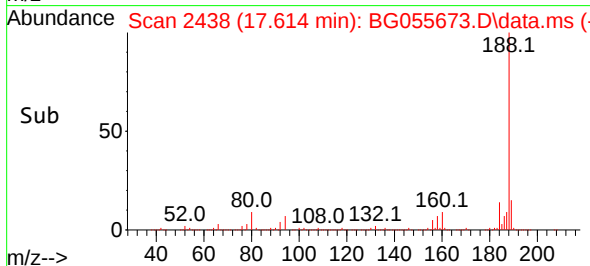
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



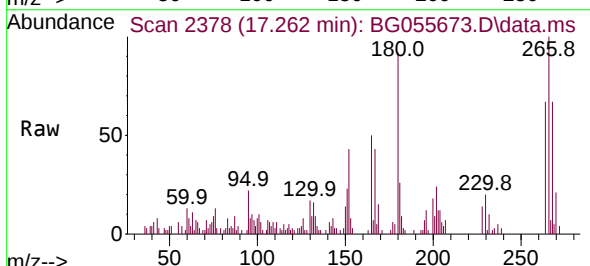
Tgt Ion:188 Resp: 336215
Ion Ratio Lower Upper
188 100
94 6.9 5.4 8.2
80 8.5 6.6 10.0

Manual Integrations
APPROVED

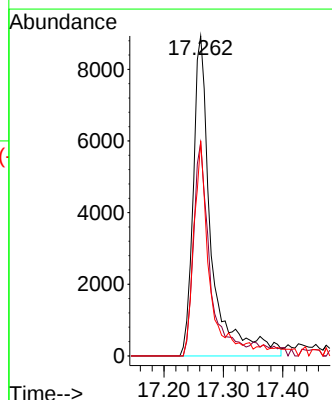
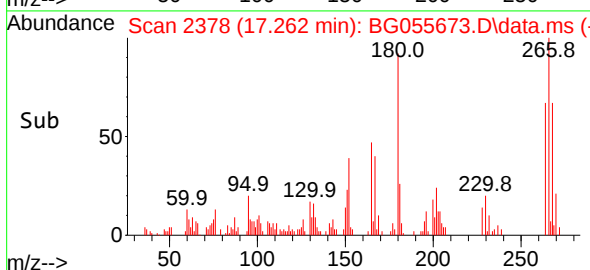
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

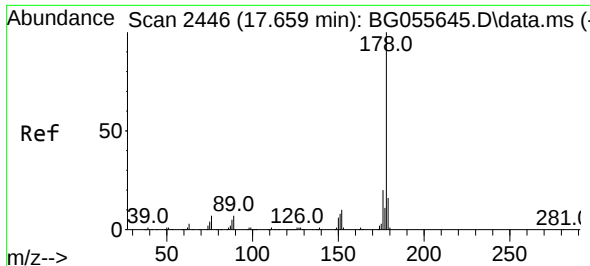


#70
Pentachlorophenol
Concen: 7.271 ng m
RT: 17.262 min Scan# 2378
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00



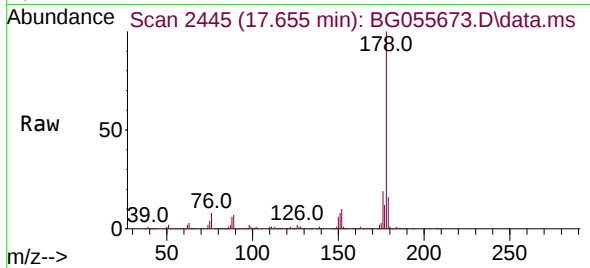
Tgt Ion:266 Resp: 18893
Ion Ratio Lower Upper
266 100
268 66.6 51.2 76.8
264 67.2 49.5 74.3





#71
Phenanthrene
Concen: 20.620 ng
RT: 17.655 min Scan# 2446
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

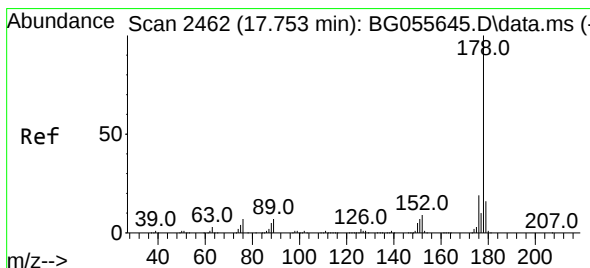
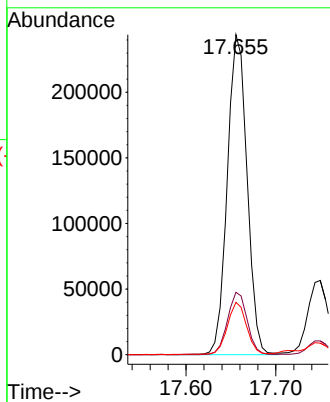
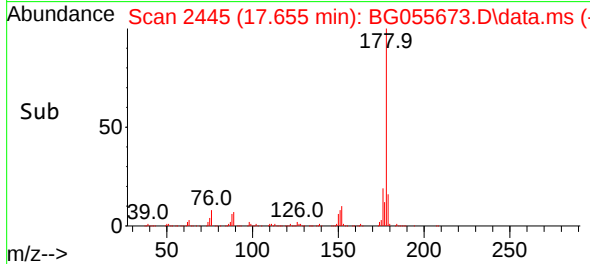
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



Tgt Ion:178 Resp: 374125
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 16.3 12.7 19.1

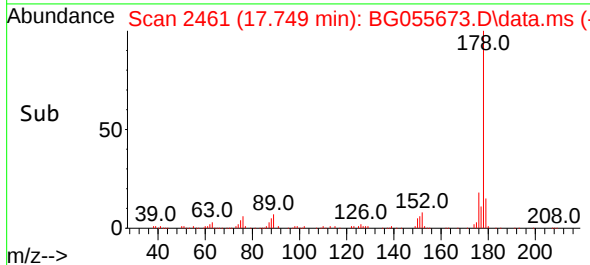
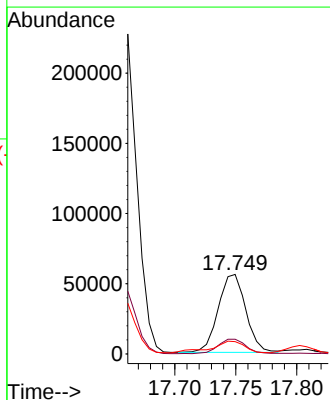
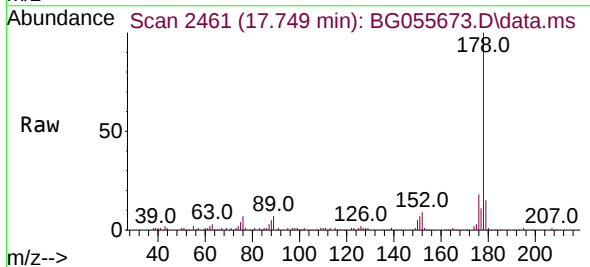
Manual Integrations
APPROVED

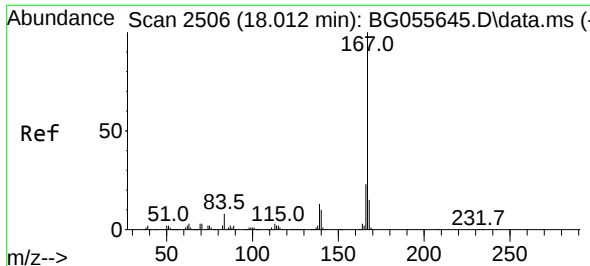
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#72
Anthracene
Concen: 4.950 ng
RT: 17.749 min Scan# 2461
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

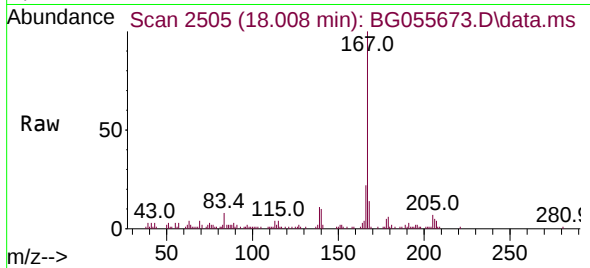
Tgt Ion:178 Resp: 87260
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.4 12.5 18.7





#73
Carbazole
Concen: 2.873 ng
RT: 18.008 min Scan# 2505
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

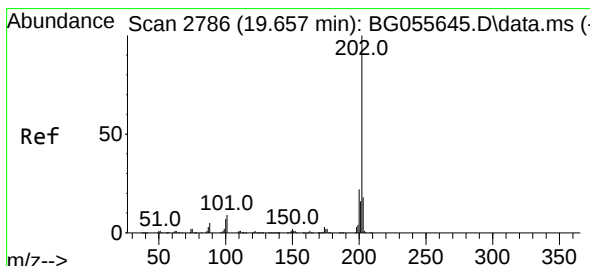
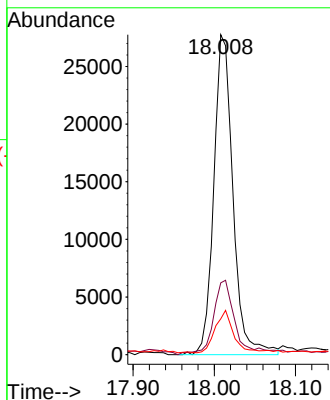
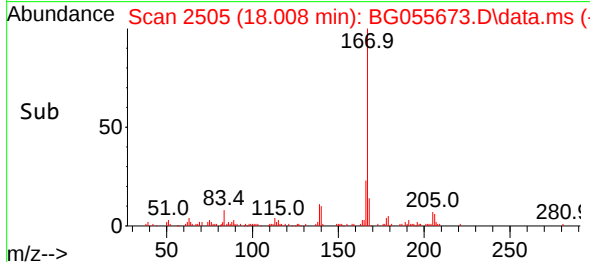
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



Tgt Ion:167 Resp: 45532
Ion Ratio Lower Upper
167 100
166 22.4 18.2 27.2
139 11.2 10.2 15.4

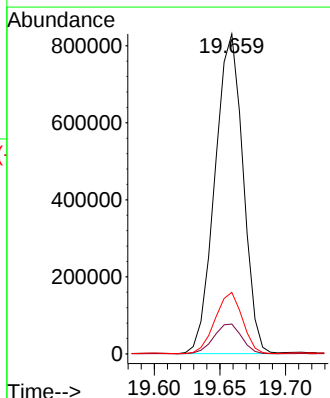
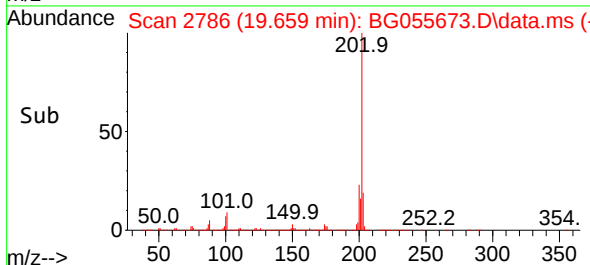
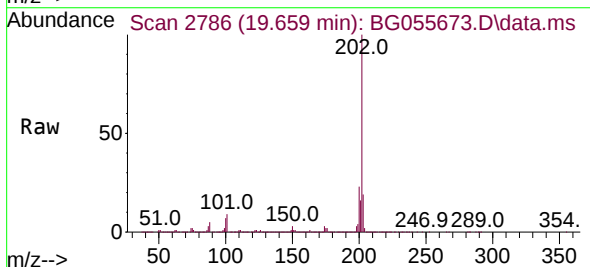
Manual Integrations
APPROVED

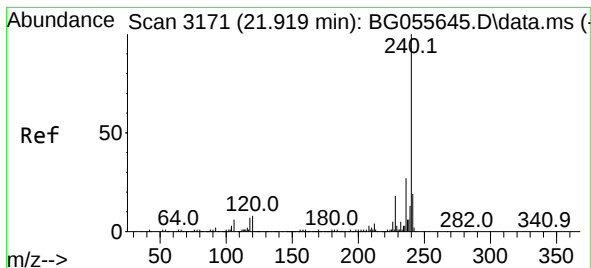
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#75
Fluoranthene
Concen: 56.021 ng
RT: 19.659 min Scan# 2786
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

Tgt Ion:202 Resp: 1236541
Ion Ratio Lower Upper
202 100
101 9.3 0.0 28.8
203 19.2 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.915 min Scan# 3171

Delta R.T. -0.004 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

Instrument :

BNA_G

ClientSampleId :

VNJ-231RE

Tgt Ion:240 Resp: 316968

Ion Ratio Lower Upper

240 100

120 8.1 6.3 9.5

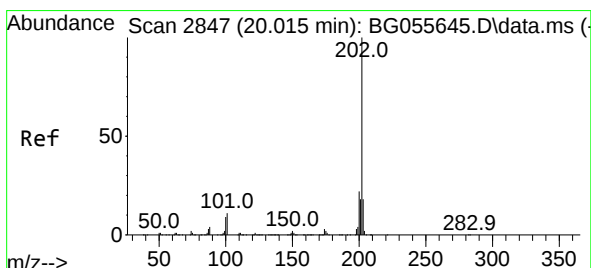
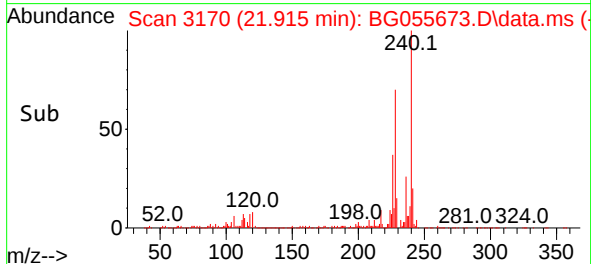
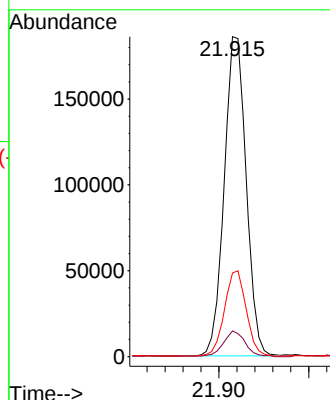
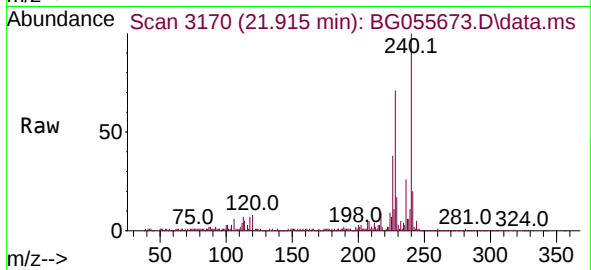
236 26.1 21.9 32.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/18/2022

Supervised By :Jagrut Upadhyay 11/18/2022



#78

Pyrene

Concen: 52.990 ng

RT: 20.017 min Scan# 2847

Delta R.T. 0.002 min

Lab File: BG055673.D

Acq: 17 Nov 2022 20:00

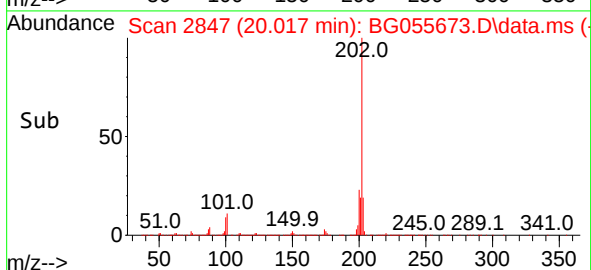
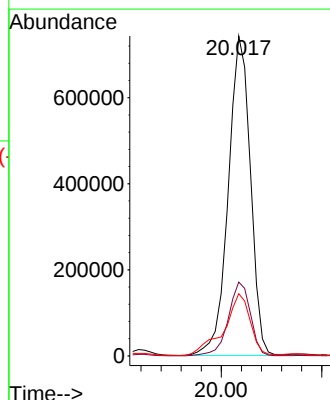
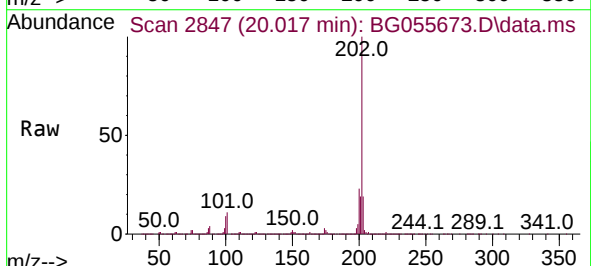
Tgt Ion:202 Resp: 1136895

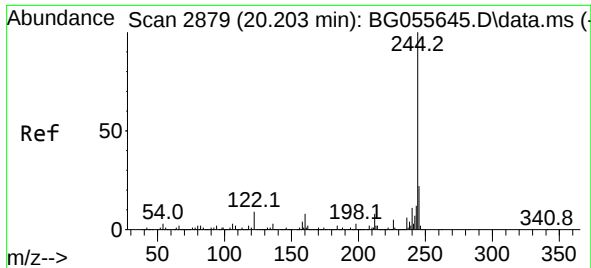
Ion Ratio Lower Upper

202 100

200 23.1 17.8 26.6

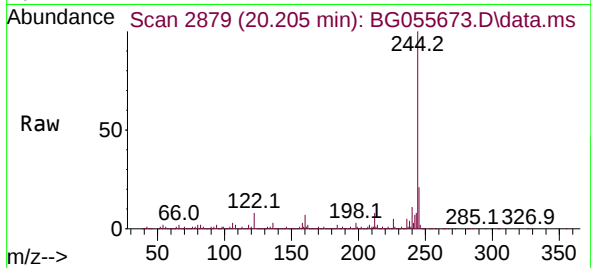
203 19.4 14.4 21.6





#79
 Terphenyl-d14
 Concen: 68.405 ng
 RT: 20.205 min Scan# 2879
 Delta R.T. 0.002 min
 Lab File: BG055673.D
 Acq: 17 Nov 2022 20:00

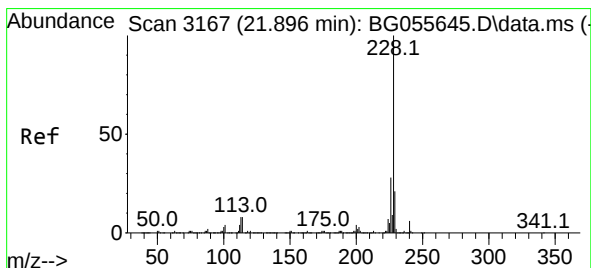
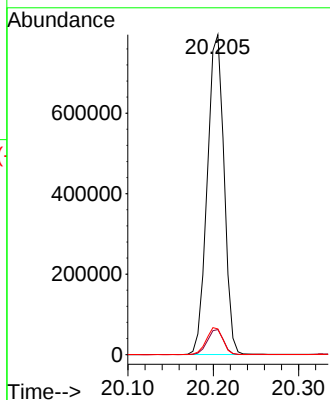
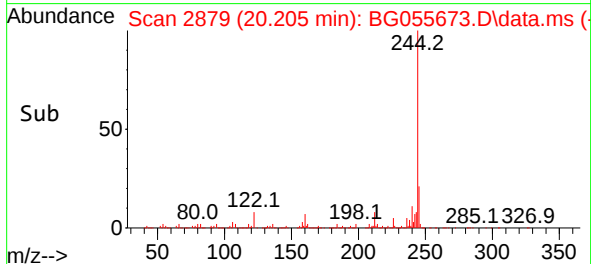
Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231RE



Tgt Ion:244 Resp: 1084034
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.3 9.5
 122 8.0 6.9 10.3

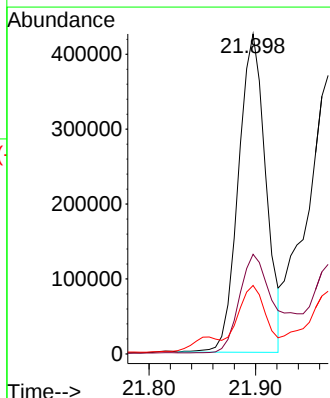
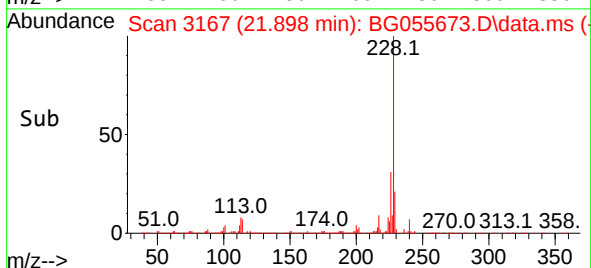
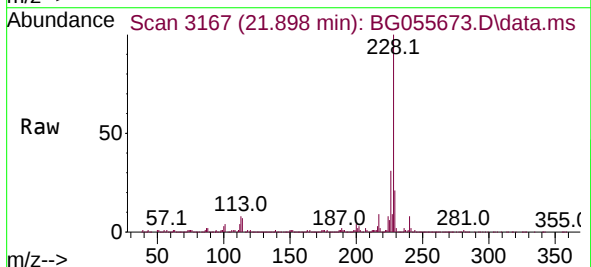
Manual Integrations
 APPROVED

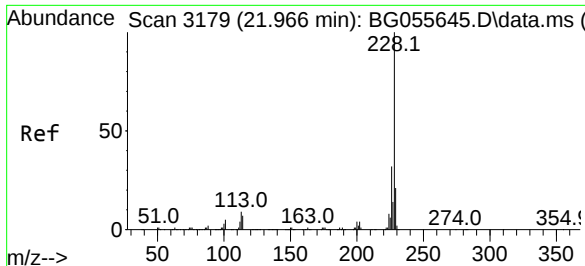
Reviewed By :Christian Giraldo 11/18/2022
 Supervised By :Jagrut Upadhyay 11/18/2022



#81
 Benzo(a)anthracene
 Concen: 34.734 ng
 RT: 21.898 min Scan# 3167
 Delta R.T. 0.002 min
 Lab File: BG055673.D
 Acq: 17 Nov 2022 20:00

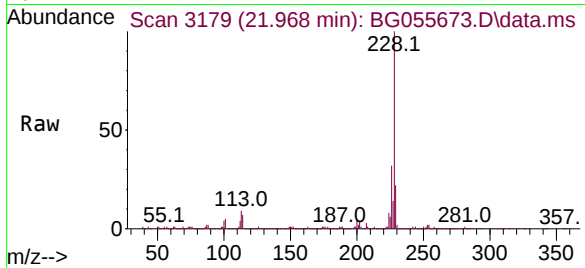
Tgt Ion:228 Resp: 758301
 Ion Ratio Lower Upper
 228 100
 226 31.1 22.7 34.1
 229 21.4 16.5 24.7





#83
Chrysene
Concen: 40.215 ng m
RT: 21.968 min Scan# 3179
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

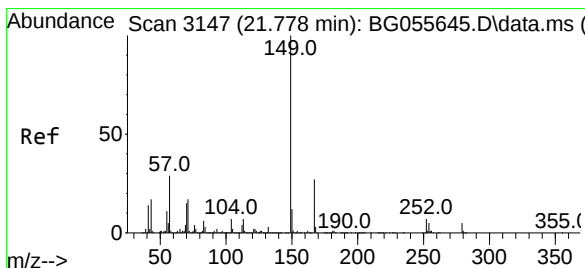
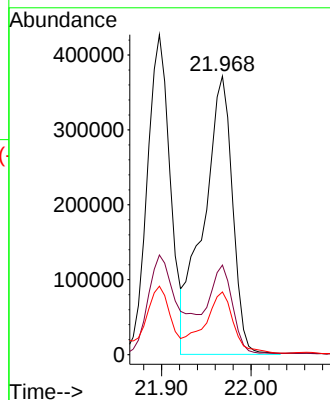
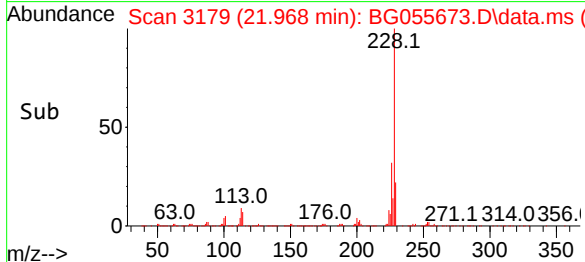
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



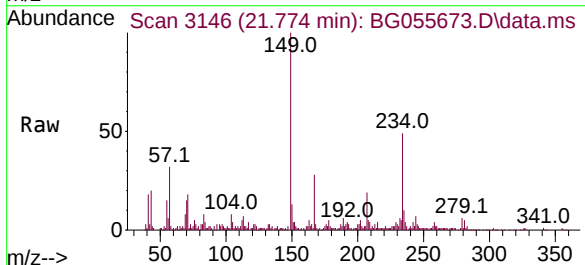
Tgt Ion:228 Resp: 835806
Ion Ratio Lower Upper
228 100
226 32.2 25.4 38.2
229 22.5 17.1 25.7

Manual Integrations
APPROVED

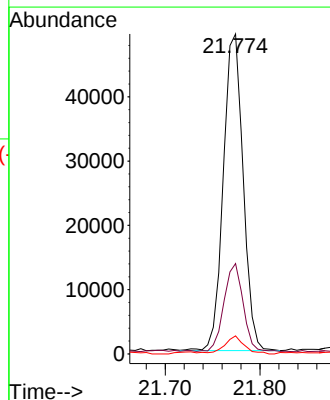
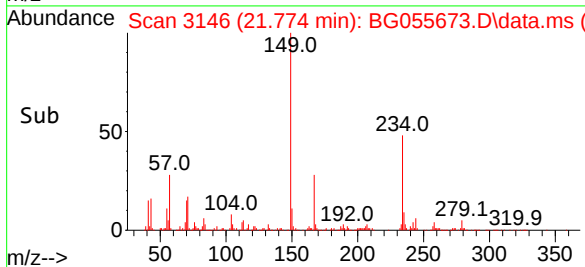
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

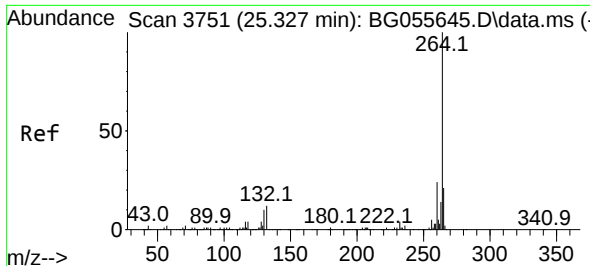


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.918 ng
RT: 21.774 min Scan# 3146
Delta R.T. -0.004 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00



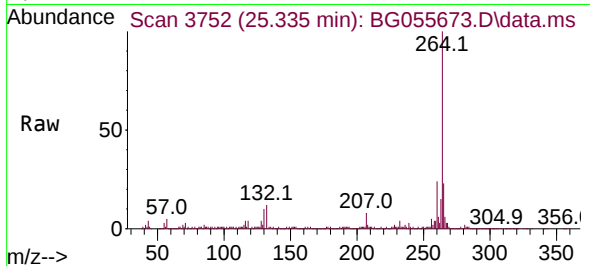
Tgt Ion:149 Resp: 71431
Ion Ratio Lower Upper
149 100
167 28.2 22.0 33.0
279 5.6 3.7 5.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.335 min Scan# 31
Delta R.T. 0.008 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

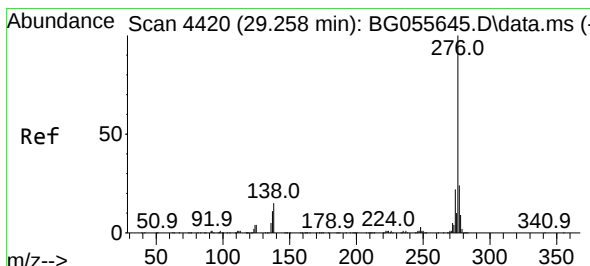
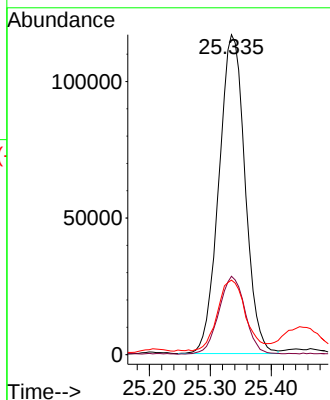
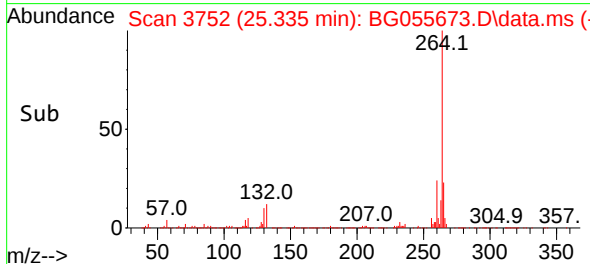
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



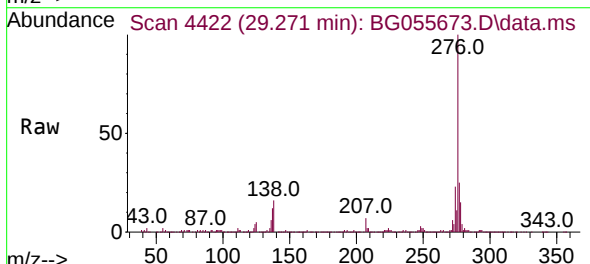
Tgt Ion:264 Resp: 347605
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 23.3 17.1 25.7

Manual Integrations
APPROVED

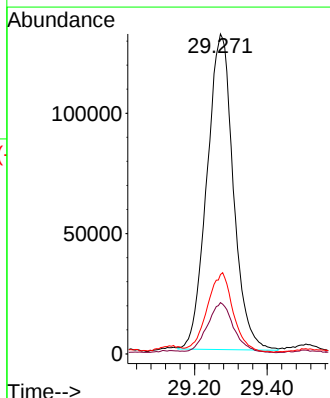
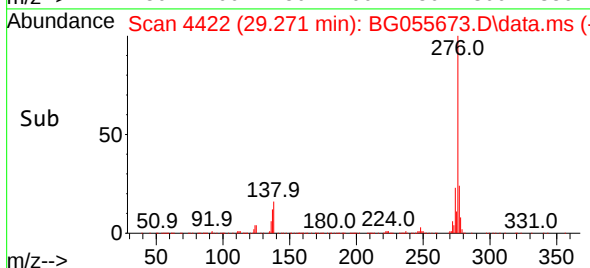
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

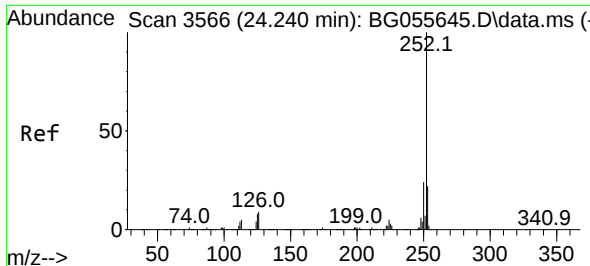


#87
Indeno(1,2,3-cd)pyrene
Concen: 23.250 ng
RT: 29.271 min Scan# 4422
Delta R.T. 0.014 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00



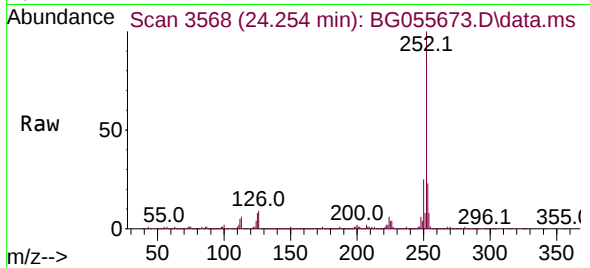
Tgt Ion:276 Resp: 662071
Ion Ratio Lower Upper
276 100
138 15.8 10.4 15.6#
277 25.0 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 61.662 ng
RT: 24.254 min Scan# 3566
Delta R.T. 0.014 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

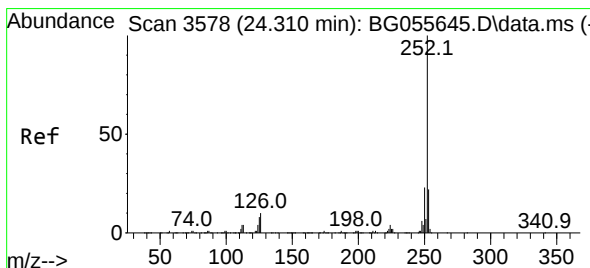
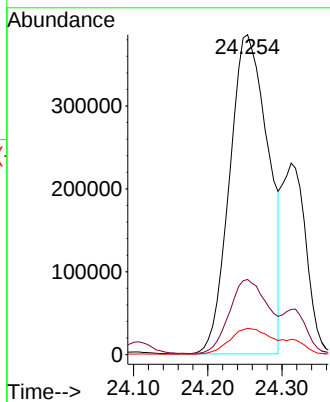
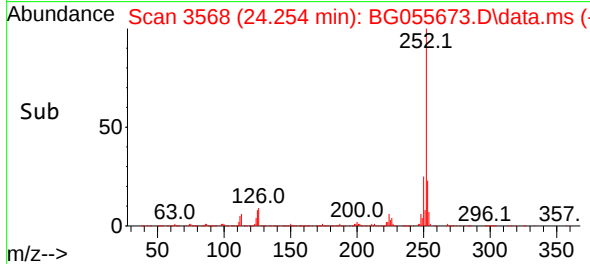
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



Tgt Ion:252 Resp: 1395894
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 8.2 6.2 9.2

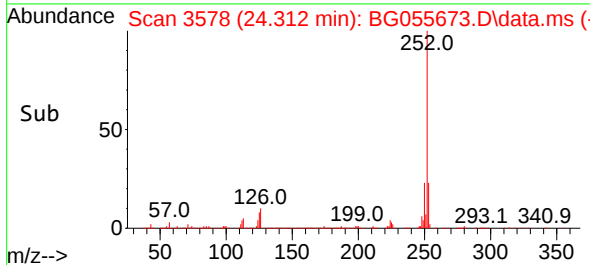
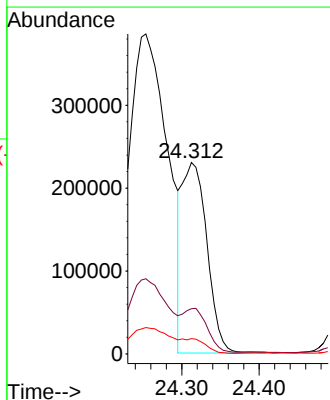
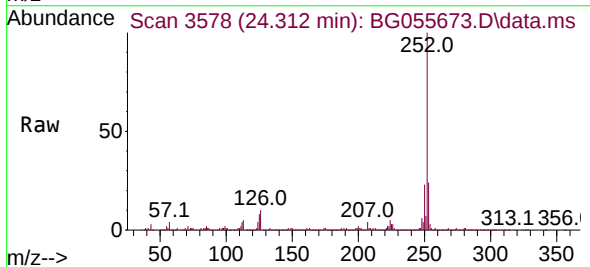
Manual Integrations
APPROVED

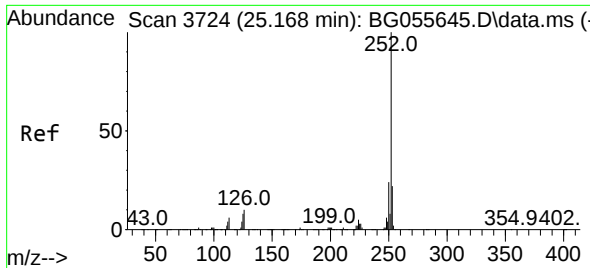
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022



#89
Benzo(k)fluoranthene
Concen: 22.729 ng m
RT: 24.312 min Scan# 3578
Delta R.T. 0.002 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

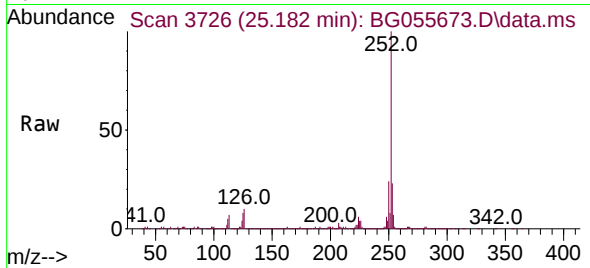
Tgt Ion:252 Resp: 512904
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 8.0 6.1 9.1





#90
Benzo(a)pyrene
Concen: 45.815 ng
RT: 25.182 min Scan# 31
Delta R.T. 0.014 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00

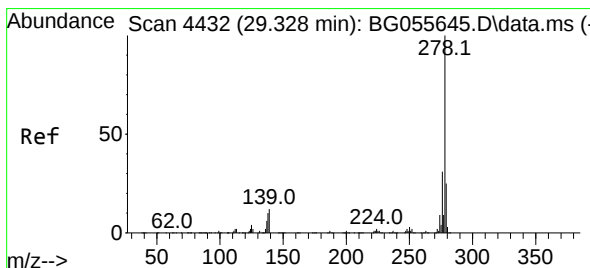
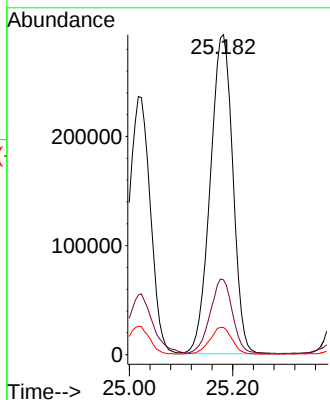
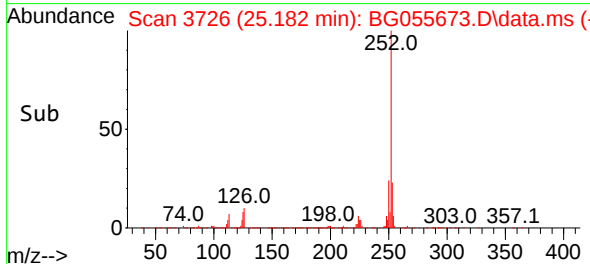
Instrument :
BNA_G
ClientSampleId :
VNJ-231RE



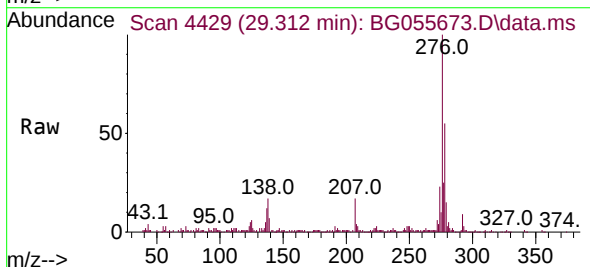
Tgt Ion:252 Resp: 890013
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 8.5 6.4 9.6

Manual Integrations
APPROVED

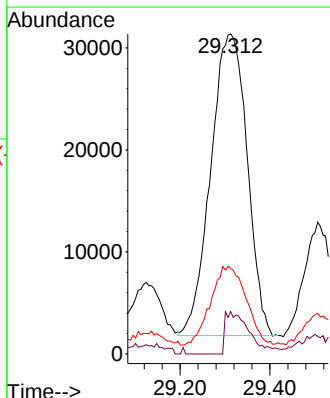
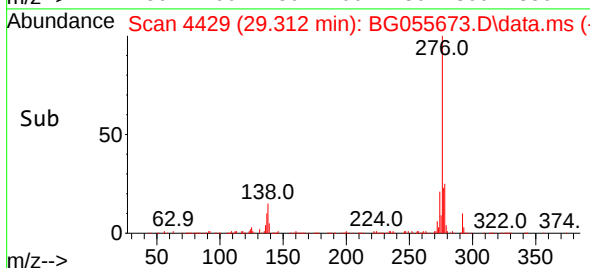
Reviewed By :Christian Giraldo 11/18/2022
Supervised By :Jagrut Upadhyay 11/18/2022

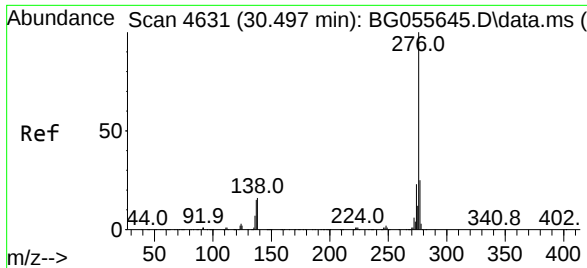


#91
Dibenzo(a,h)anthracene
Concen: 7.169 ng
RT: 29.312 min Scan# 4429
Delta R.T. -0.016 min
Lab File: BG055673.D
Acq: 17 Nov 2022 20:00



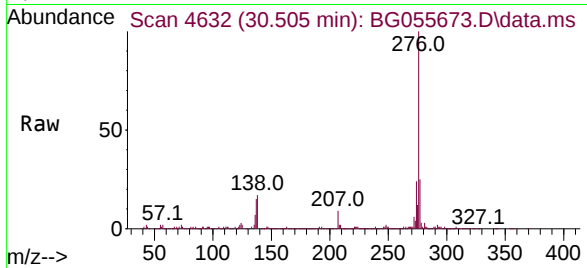
Tgt Ion:278 Resp: 166826
Ion Ratio Lower Upper
278 100
139 13.2 9.8 14.8
279 26.7 19.8 29.6





#92
 Benzo(g,h,i)perylene
 Concen: 26.479 ng
 RT: 30.505 min Scan# 4632
 Delta R.T. 0.008 min
 Lab File: BG055673.D
 Acq: 17 Nov 2022 20:00

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-231RE



Tgt Ion:276 Resp: 621022
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.8 29.6
 138 16.8 13.1 19.7

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/18/2022
 Supervised By :Jagrut Upadhyay 11/18/2022

