

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051113.D
 Acq On : 18 Nov 2021 20:14
 Operator : CG/JU
 Sample : M4695-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 289

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2021
 Supervised By :mohammad ahmed 11/29/2021

Quant Time: Nov 19 01:37:26 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 19 01:16:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	34967	20.000	ng	-0.01
21) Naphthalene-d8	11.049	136	151325	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	98426	20.000	ng	0.00
64) Phenanthrene-d10	17.595	188	204949	20.000	ng	# 0.00
76) Chrysene-d12	21.896	240	174668	20.000	ng	# 0.00
86) Perylene-d12	25.303	264	179274	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.762	112	233505	99.894	ng	0.00
7) Phenol-d6	7.371	99	312381	94.681	ng	0.00
23) Nitrobenzene-d5	9.393	82	207385	60.666	ng	-0.01
42) 2,4,6-Tribromophenol	16.337	330	94089	95.524	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	307344	49.338	ng	0.00
79) Terphenyl-d14	20.180	244	421797	45.987	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.575	152	18295	2.007	ng	# 92
52) Acenaphthene	14.916	154	341887	64.377	ng	92
55) Dibenzofuran	15.245	168	90948	10.069	ng	98
58) Fluorene	15.891	166	203532	28.866	ng	99
71) Phenanthrene	17.642	178	840051	76.843	ng	98
72) Anthracene	17.730	178	130290	11.983	ng	98
75) Fluoranthene	19.651	202	2068031	154.192	ng	89
78) Pyrene	20.010	202	1579977	120.576	ng	# 92
81) Benzo(a)anthracene	21.878	228	462752	38.583	ng	98
83) Chrysene	21.948	228	307368	27.167	ng	95
87) Indeno(1,2,3-cd)pyrene	29.222	276	60913	4.787	ng	# 90
88) Benzo(b)fluoranthene	24.216	252	253230	22.440	ng	# 91
89) Benzo(k)fluoranthene	24.281	252	98247m	8.729	ng	
90) Benzo(a)pyrene	25.139	252	143348	14.879	ng	# 95
92) Benzo(g,h,i)perylene	30.450	276	52026	5.046	ng	# 91

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

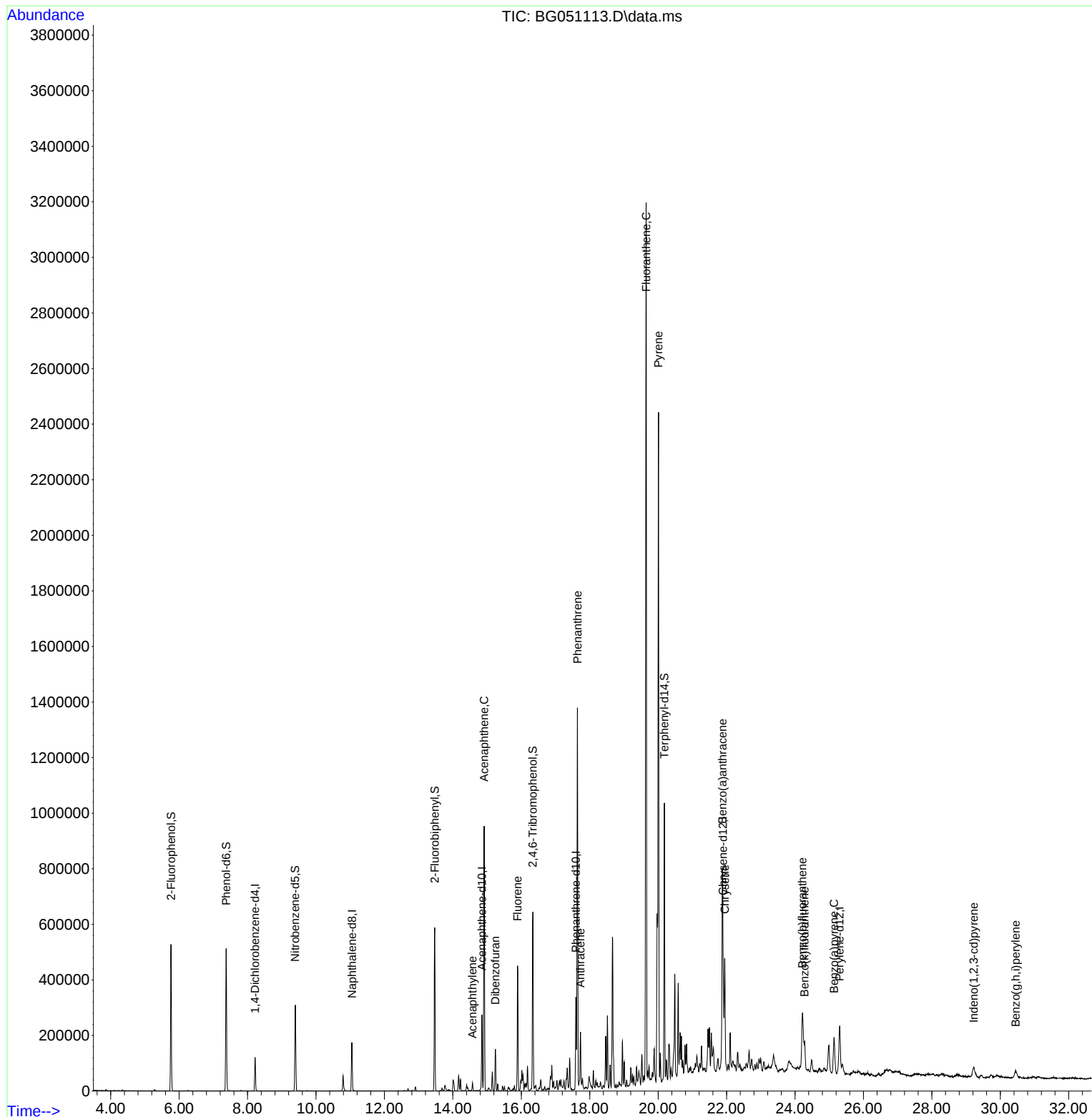
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

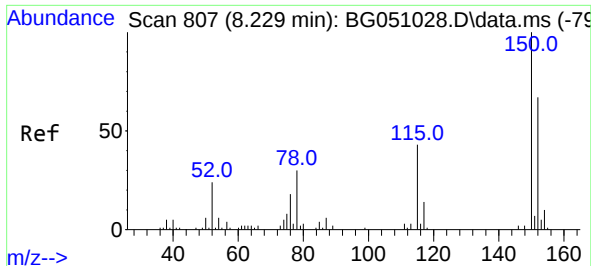
Instrument :
BNA_G
ClientSampleId :
289

Quant Time: Nov 19 01:37:26 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 01:16:08 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

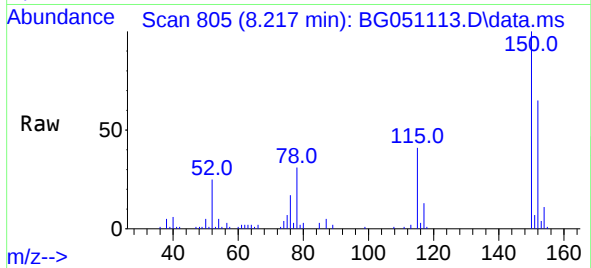
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 807
Delta R.T. -0.012 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

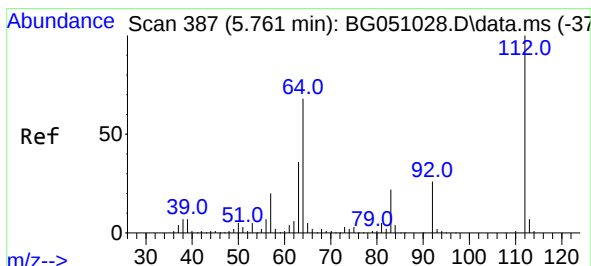
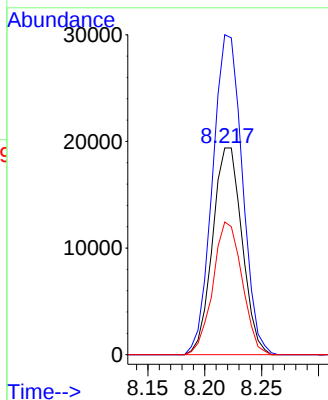
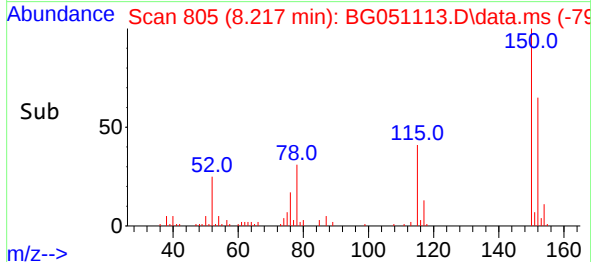
Instrument :
BNA_G
ClientSampleId :
289



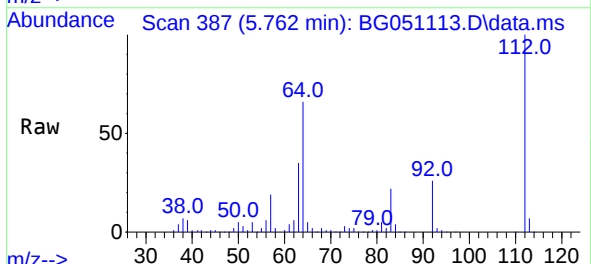
Tgt Ion:152 Resp: 3496
Ion Ratio Lower Upper
152 100
150 154.8 119.4 179.0
115 64.1 60.2 90.4

Manual Integrations
APPROVED

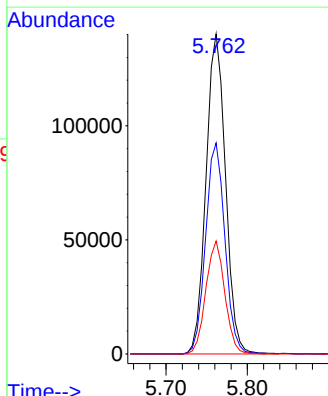
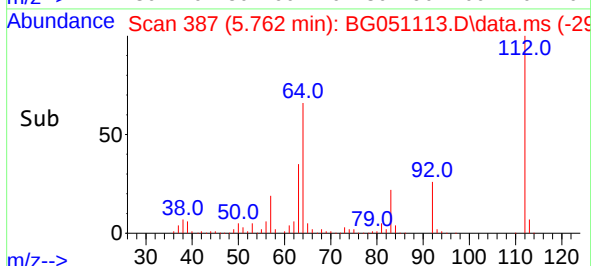
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

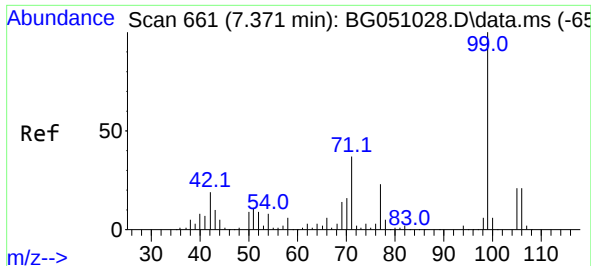


#5
2-Fluorophenol
Concen: 99.894 ng
RT: 5.762 min Scan# 387
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



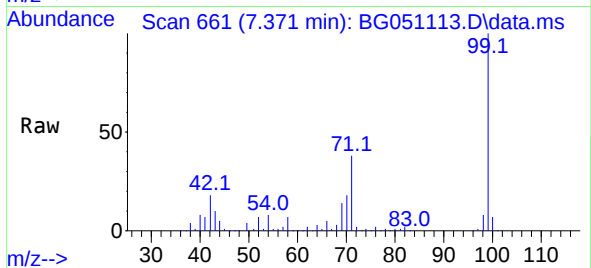
Tgt Ion:112 Resp: 233505
Ion Ratio Lower Upper
112 100
64 66.0 46.7 70.1
63 35.3 35.3 52.9





#7
Phenol-d6
Concen: 94.681 ng
RT: 7.371 min Scan# 60
Delta R.T. 0.000 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

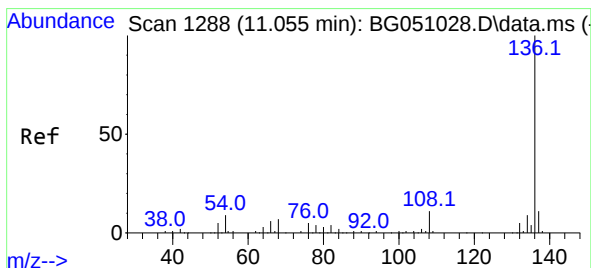
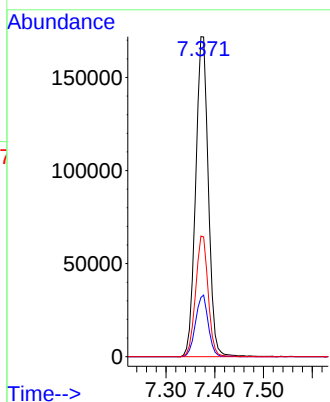
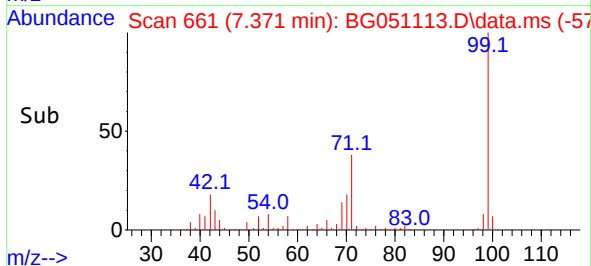
Instrument :
BNA_G
ClientSampleId :
289



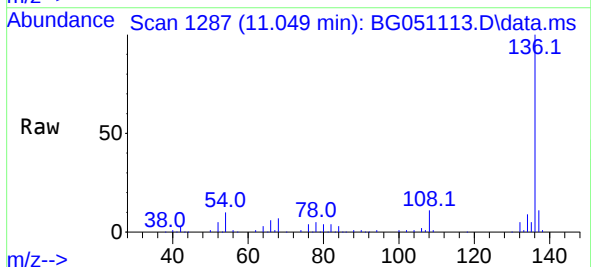
Tgt Ion: 99 Resp: 31238
Ion Ratio Lower Upper
99 100
42 18.5 20.5 30.7
71 37.7 41.5 62.3

Manual Integrations
APPROVED

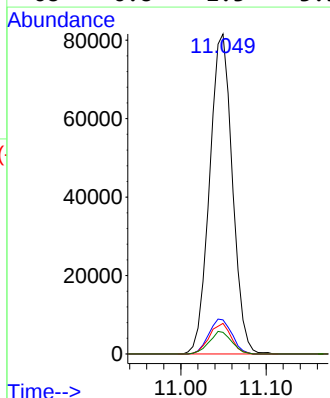
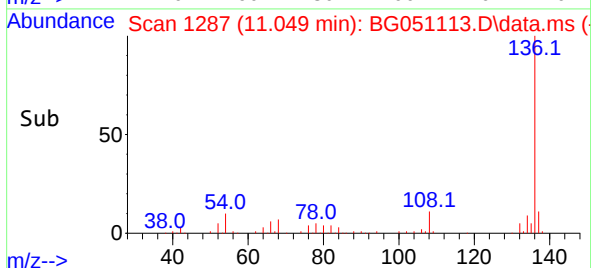
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

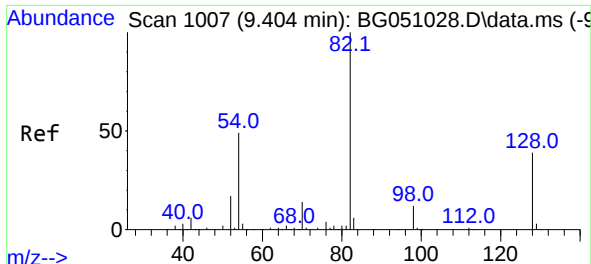


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



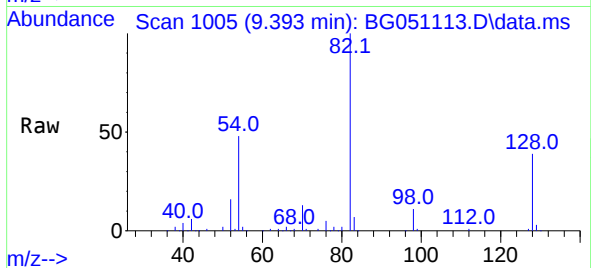
Tgt Ion:136 Resp: 151325
Ion Ratio Lower Upper
136 100
137 10.7 8.2 12.2
54 9.5 5.5 8.3#
68 6.8 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 60.666 ng
RT: 9.393 min Scan# 1005
Delta R.T. -0.011 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

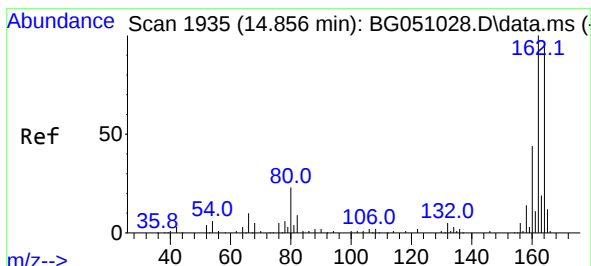
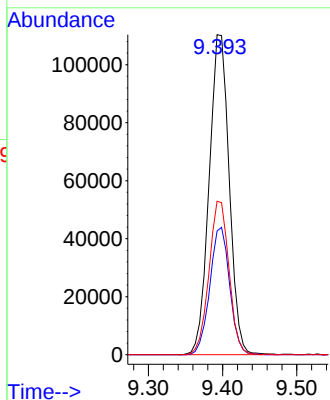
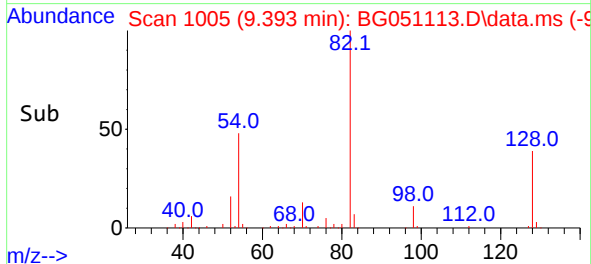
Instrument :
BNA_G
ClientSampleId :
289



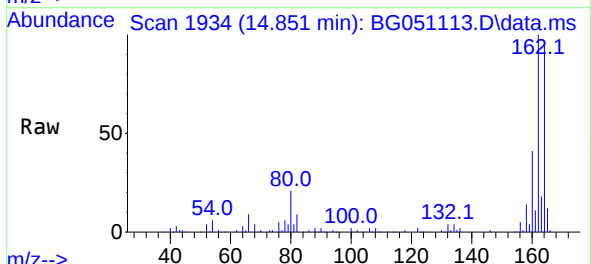
Tgt Ion: 82 Resp: 207385
Ion Ratio Lower Upper
82 100
128 38.7 29.8 44.6
54 48.0 45.8 68.8

Manual Integrations
APPROVED

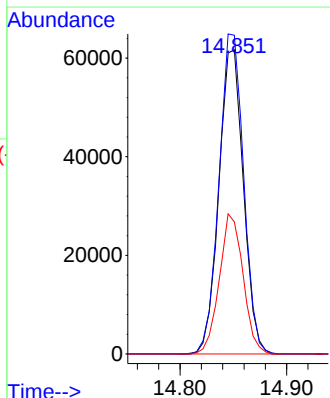
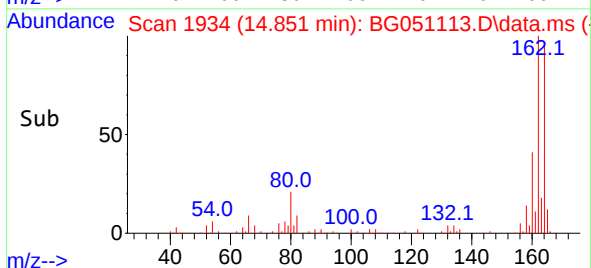
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

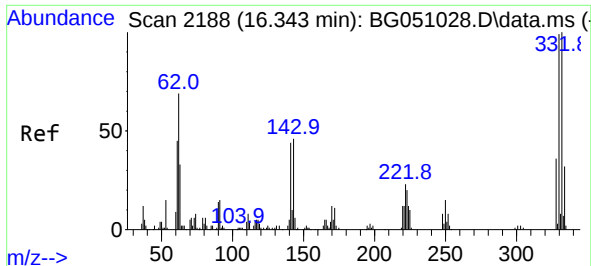


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



Tgt Ion:164 Resp: 98426
Ion Ratio Lower Upper
164 100
162 104.8 81.4 122.0
160 43.4 34.9 52.3





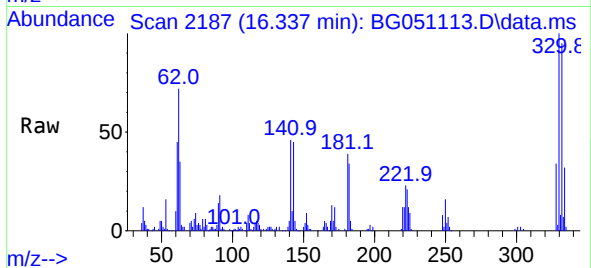
#42
2,4,6-Tribromophenol
Concen: 95.524 ng
RT: 16.337 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

Instrument :

BNA_G

ClientSampleId :

289

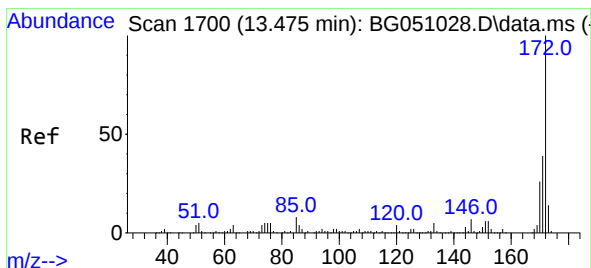
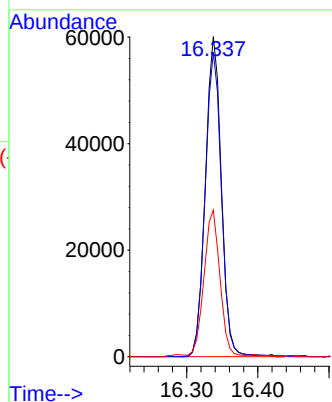
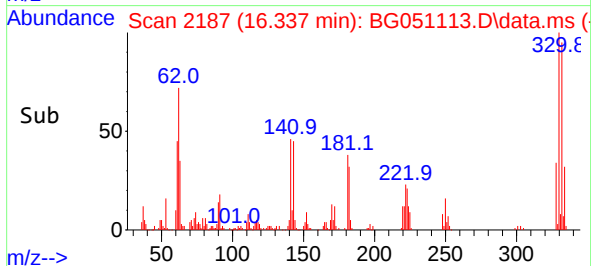


Tgt Ion:330 Resp: 94089
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 44.4 35.6 53.4

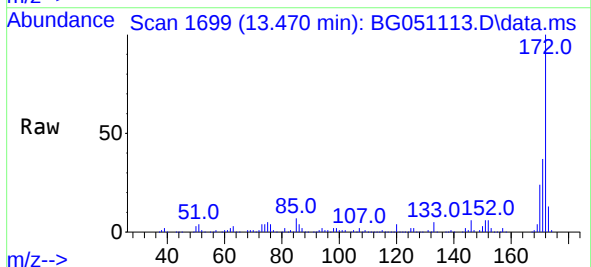
Manual Integrations

APPROVED

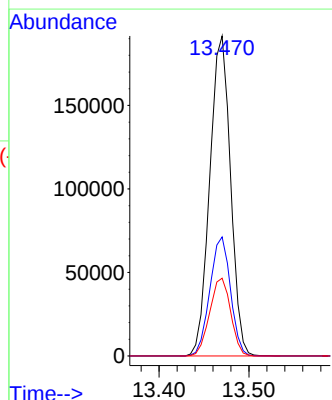
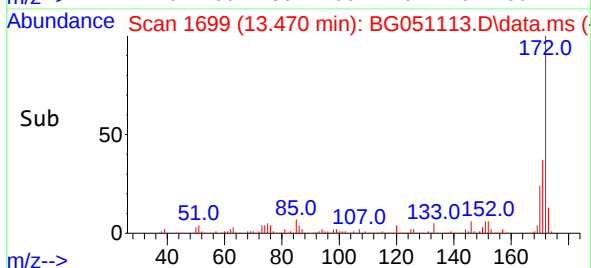
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

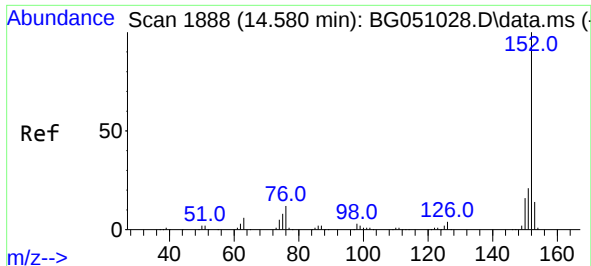


#45
2-Fluorobiphenyl
Concen: 49.338 ng
RT: 13.470 min Scan# 1699
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



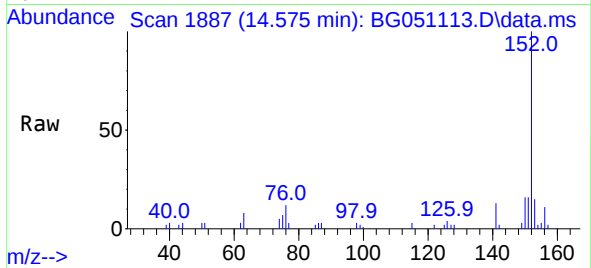
Tgt Ion:172 Resp: 307344
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 24.3 18.6 27.8





#49
Acenaphthylene
Concen: 2.007 ng
RT: 14.575 min Scan# 1887
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

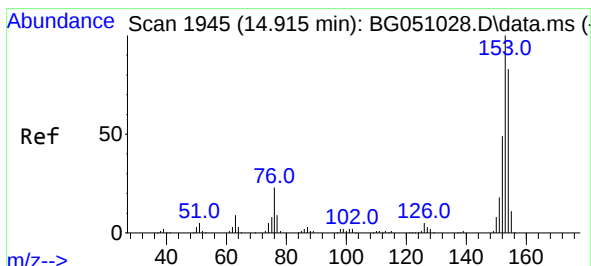
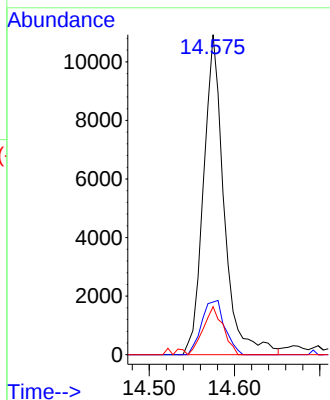
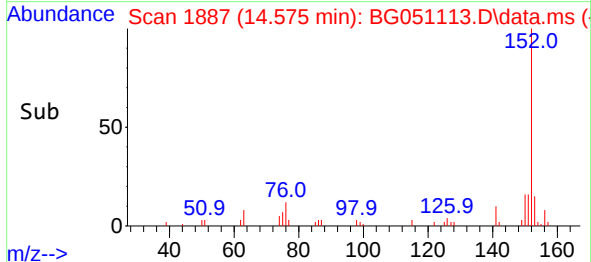
Instrument :
BNA_G
ClientSampleId :
289



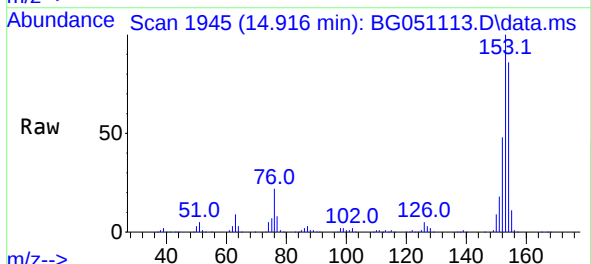
Tgt Ion:152 Resp: 1829
Ion Ratio Lower Upper
152 100
151 16.5 18.2 27.4
153 15.0 11.7 17.5

Manual Integrations
APPROVED

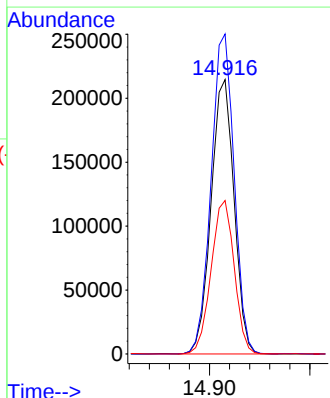
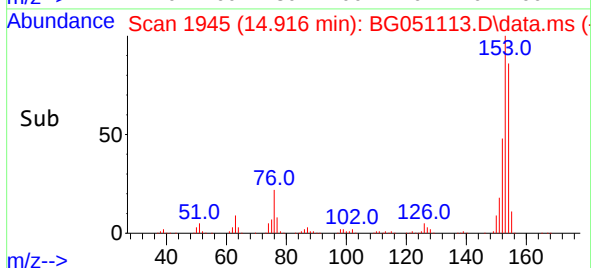
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

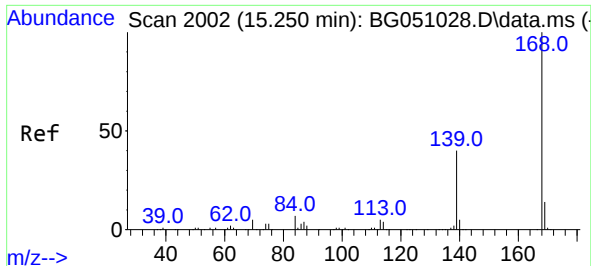


#52
Acenaphthene
Concen: 64.377 ng
RT: 14.916 min Scan# 1945
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



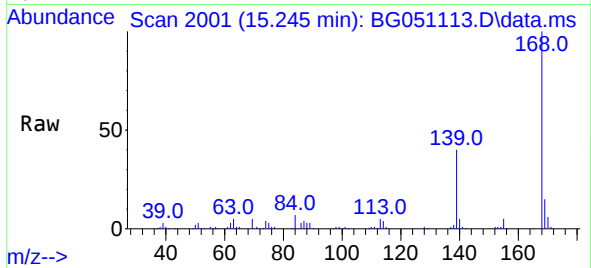
Tgt Ion:154 Resp: 341887
Ion Ratio Lower Upper
154 100
153 116.6 87.0 130.4
152 55.9 40.1 60.1





#55
Dibenzenofuran
Concen: 10.069 ng
RT: 15.245 min Scan# 2002
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

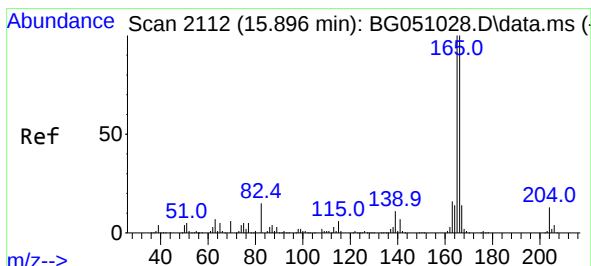
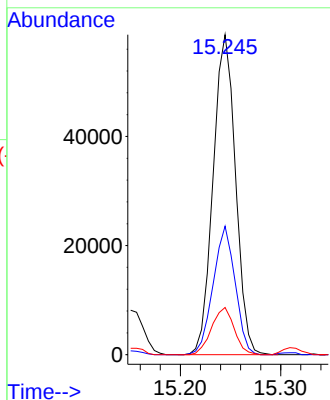
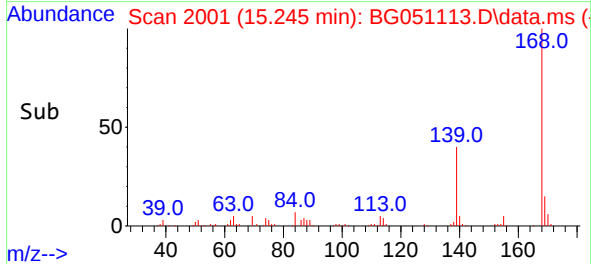
Instrument :
BNA_G
ClientSampleId :
289



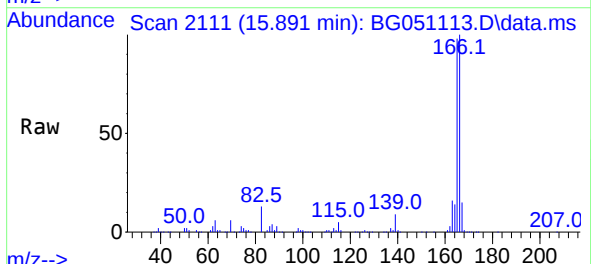
Tgt Ion:168 Resp: 90948
Ion Ratio Lower Upper
168 100
139 40.1 33.4 50.2
169 14.7 12.3 18.5

Manual Integrations
APPROVED

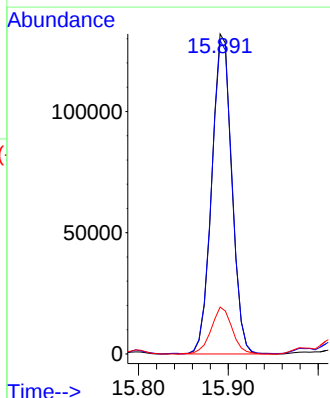
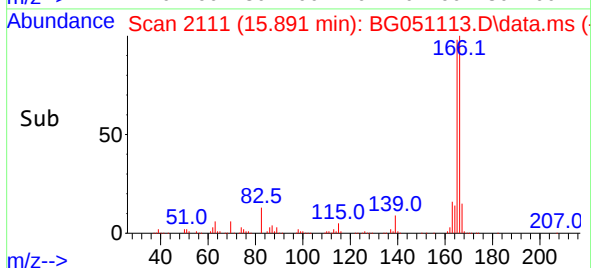
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

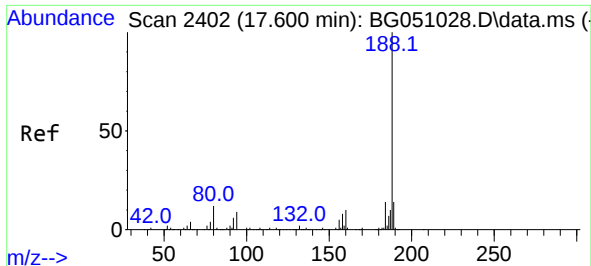


#58
Fluorene
Concen: 28.866 ng
RT: 15.891 min Scan# 2111
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



Tgt Ion:166 Resp: 203532
Ion Ratio Lower Upper
166 100
165 98.0 77.7 116.5
167 14.6 10.8 16.2





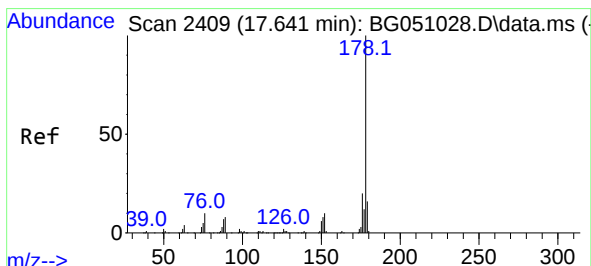
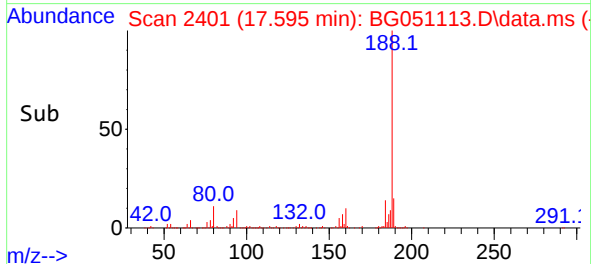
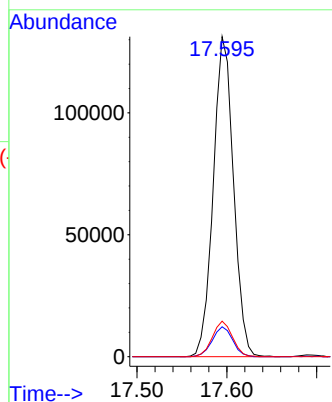
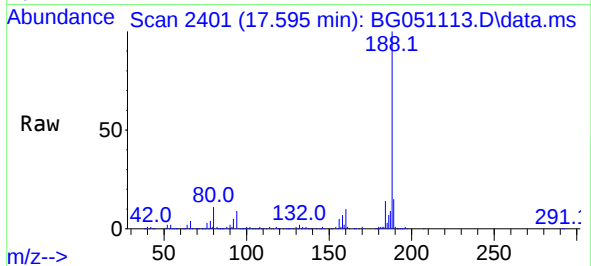
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.595 min Scan# 2401
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

Instrument :
BNA_G
ClientSampleId :
289

Tgt Ion:188 Resp: 204949
Ion Ratio Lower Upper
188 100
94 9.3 5.4 8.0
80 11.1 3.7 5.5

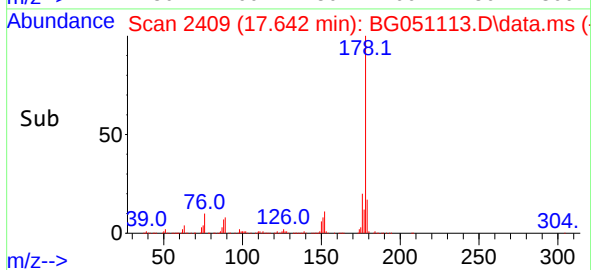
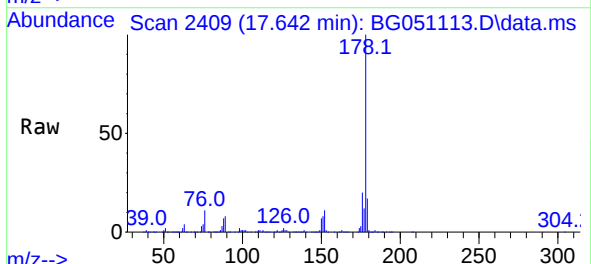
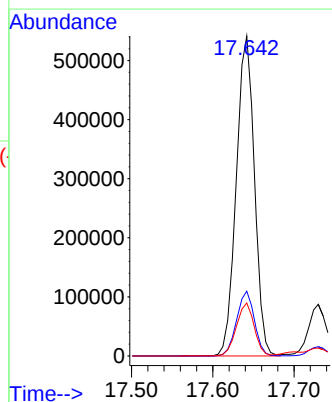
Manual Integrations
APPROVED

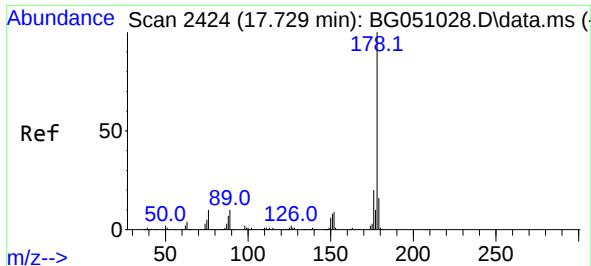
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#71
Phenanthrene
Concen: 76.843 ng
RT: 17.642 min Scan# 2409
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

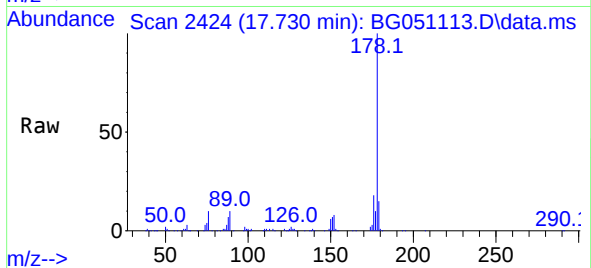
Tgt Ion:178 Resp: 840051
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 16.6 14.2 21.4





#72
 Anthracene
 Concen: 11.983 ng
 RT: 17.730 min Scan# 2429
 Delta R.T. 0.001 min
 Lab File: BG051113.D
 Acq: 18 Nov 2021 20:14

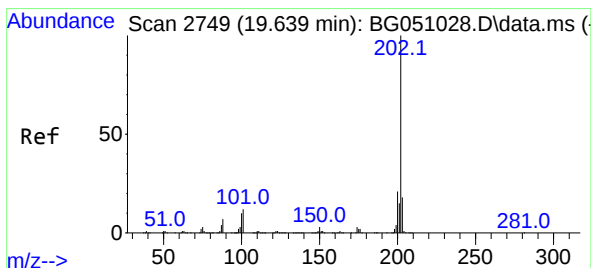
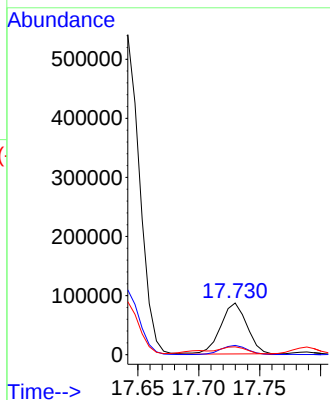
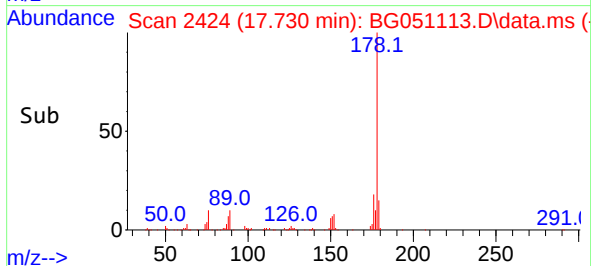
Instrument :
 BNA_G
 ClientSampleId :
 289



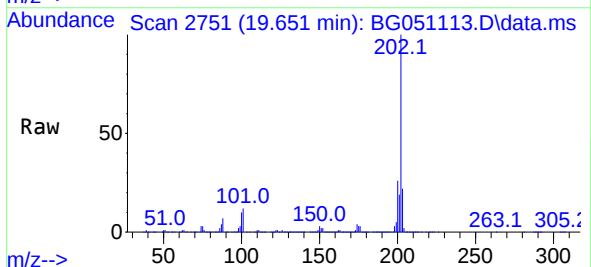
Tgt Ion:178 Resp: 130290
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 21.8
 179 15.2 13.4 20.0

Manual Integrations
 APPROVED

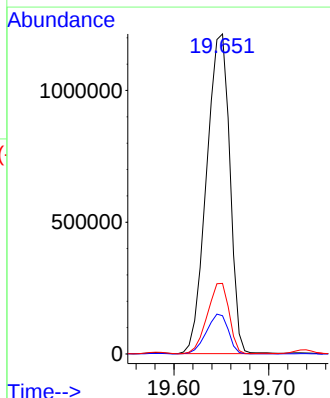
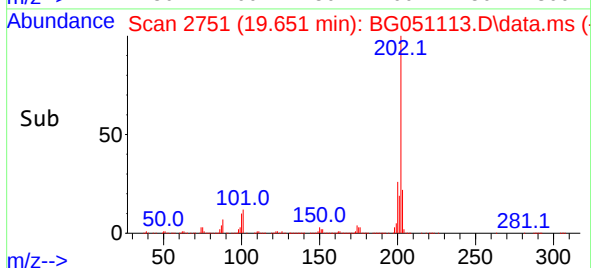
Reviewed By :Jagrut Upadhyay 11/19/2021
 Supervised By :mohammad ahmed 11/29/2021

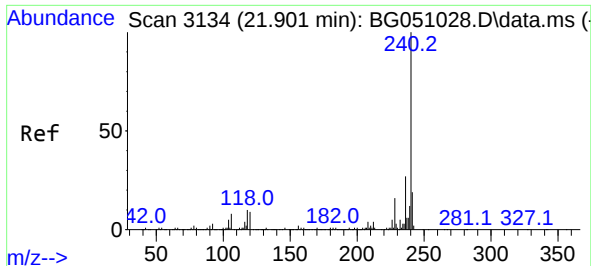


#75
 Fluoranthene
 Concen: 154.192 ng
 RT: 19.651 min Scan# 2751
 Delta R.T. 0.012 min
 Lab File: BG051113.D
 Acq: 18 Nov 2021 20:14



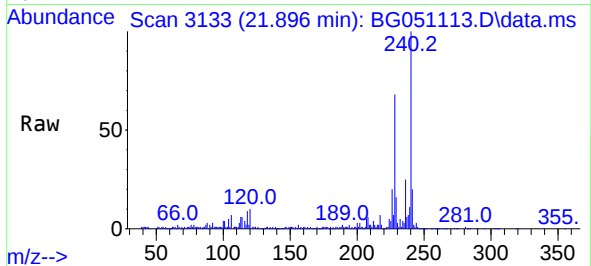
Tgt Ion:202 Resp: 2068031
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 24.7
 203 22.0 0.0 38.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.896 min Scan# 3134
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

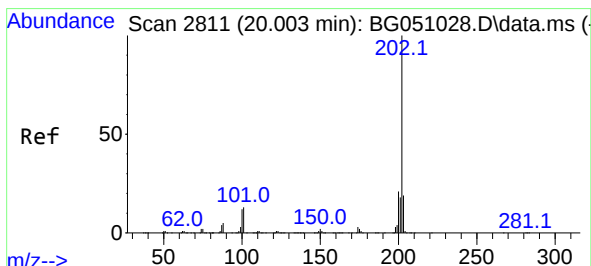
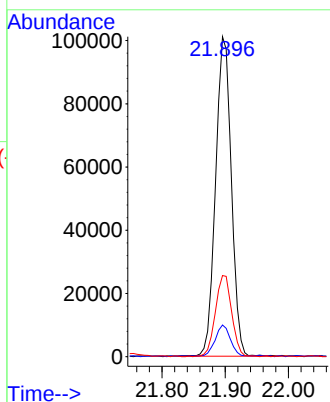
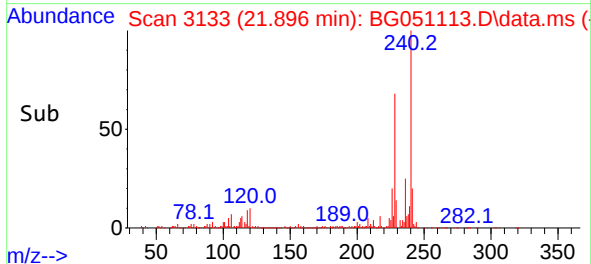
Instrument :
BNA_G
ClientSampleId :
289



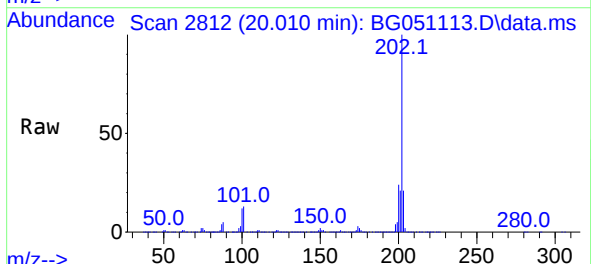
Tgt Ion:240 Resp: 174668
Ion Ratio Lower Upper
240 100
120 9.9 4.2 6.2
236 25.3 21.8 32.6

Manual Integrations
APPROVED

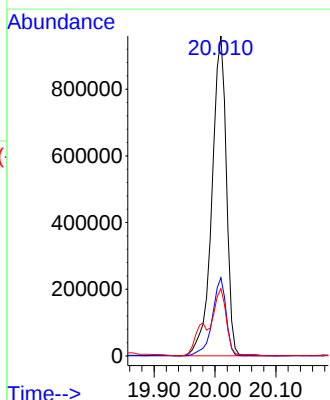
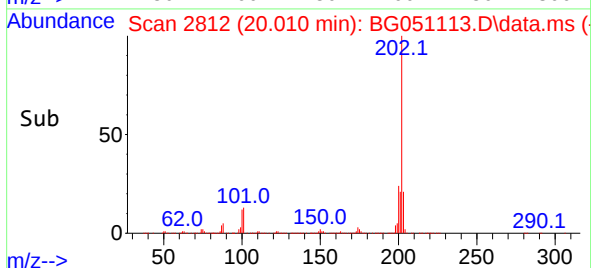
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

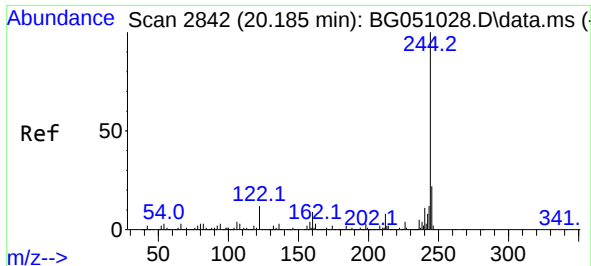


#78
Pyrene
Concen: 120.576 ng
RT: 20.010 min Scan# 2812
Delta R.T. 0.007 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



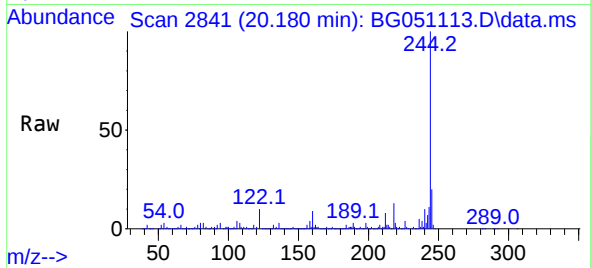
Tgt Ion:202 Resp: 1579977
Ion Ratio Lower Upper
202 100
200 24.4 15.8 23.8
203 21.1 14.6 21.8





#79
Terphenyl-d14
Concen: 45.987 ng
RT: 20.180 min Scan# 2842
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

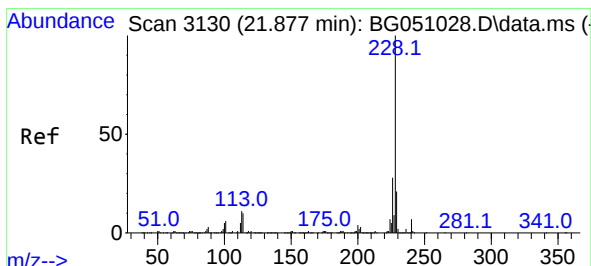
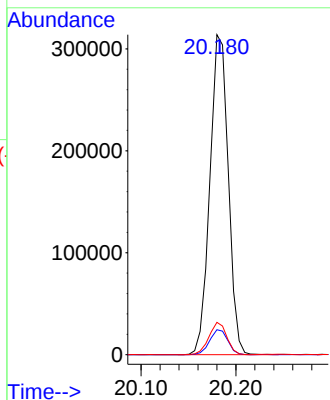
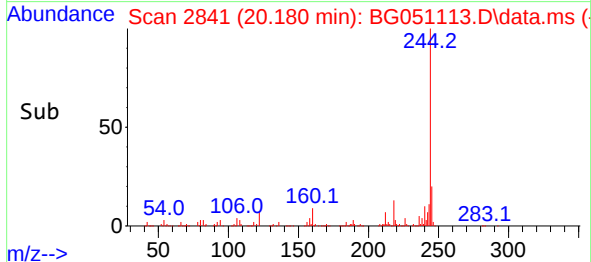
Instrument :
BNA_G
ClientSampleId :
289



Tgt Ion:244 Resp: 42179
Ion Ratio Lower Upper
244 100
212 7.8 6.9 10.3
122 10.1 5.0 7.6

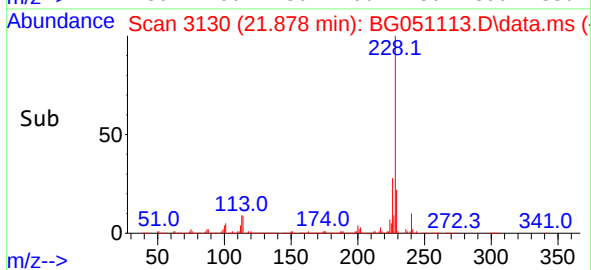
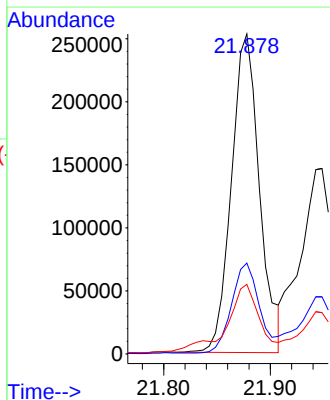
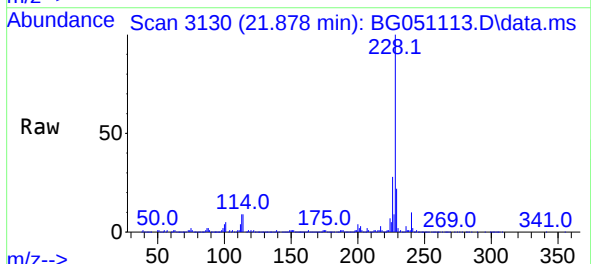
Manual Integrations
APPROVED

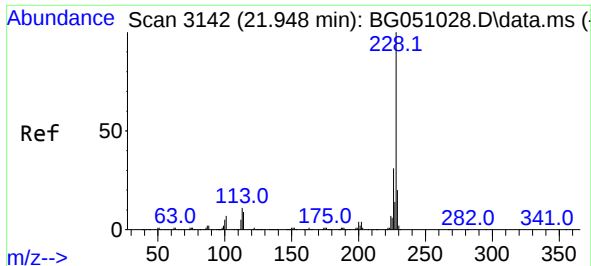
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#81
Benzo(a)anthracene
Concen: 38.583 ng
RT: 21.878 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

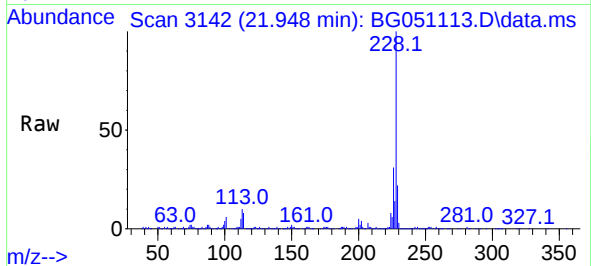
Tgt Ion:228 Resp: 462752
Ion Ratio Lower Upper
228 100
226 28.4 22.7 34.1
229 21.8 16.0 24.0





#83
Chrysene
Concen: 27.167 ng
RT: 21.948 min Scan# 3142
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

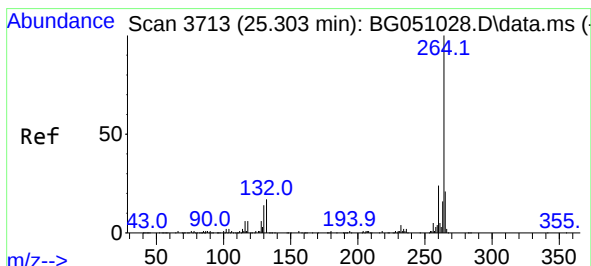
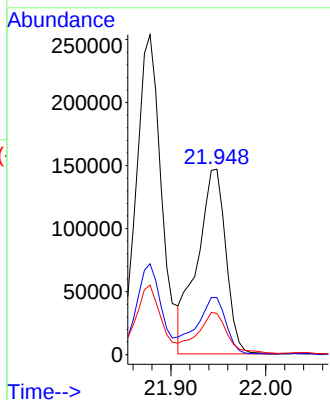
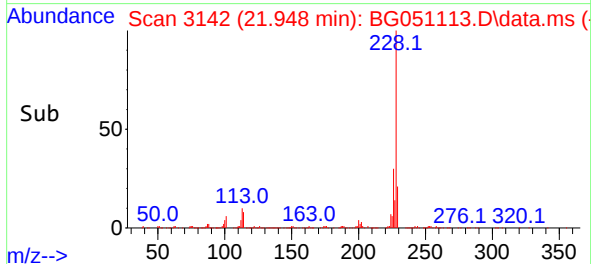
Instrument :
BNA_G
ClientSampleId :
289



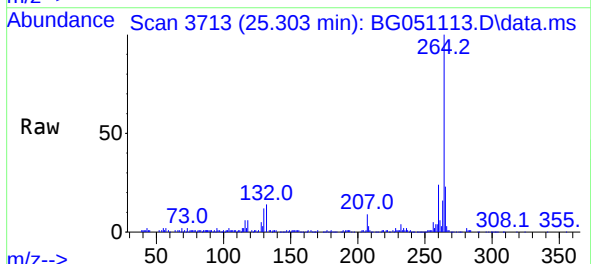
Tgt Ion:228 Resp: 307368
Ion Ratio Lower Upper
228 100
226 30.8 23.1 34.7
229 22.3 15.3 22.9

Manual Integrations
APPROVED

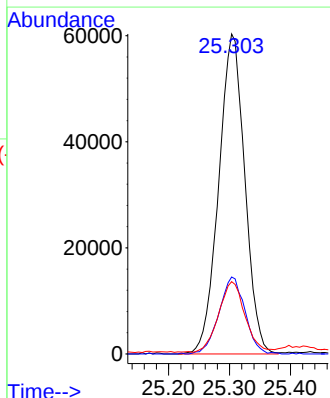
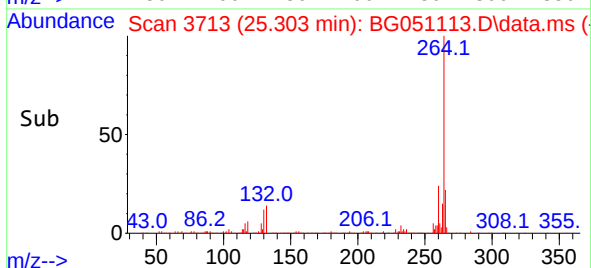
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

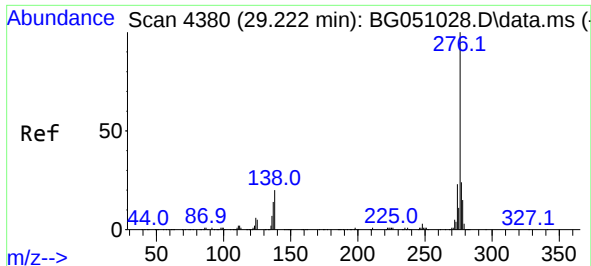


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.303 min Scan# 3713
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



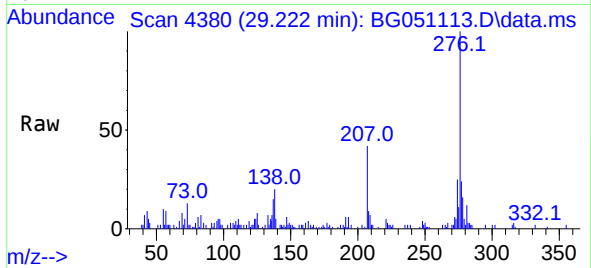
Tgt Ion:264 Resp: 179274
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 22.6 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.787 ng
RT: 29.222 min Scan# 4380
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

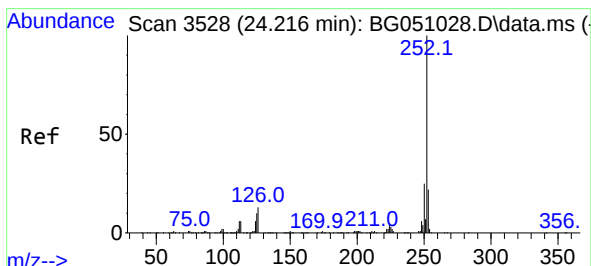
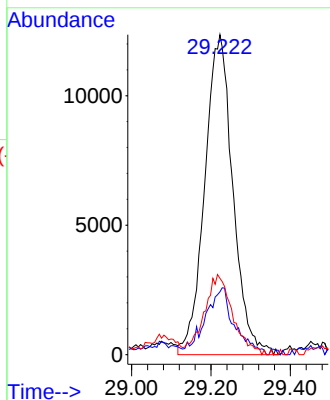
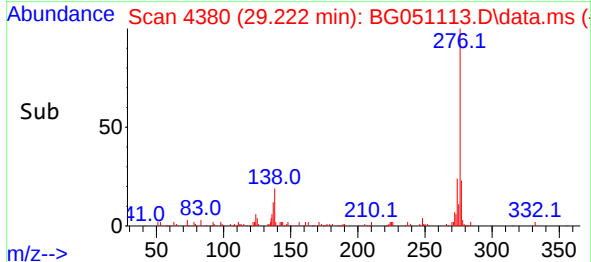
Instrument :
BNA_G
ClientSampleId :
289



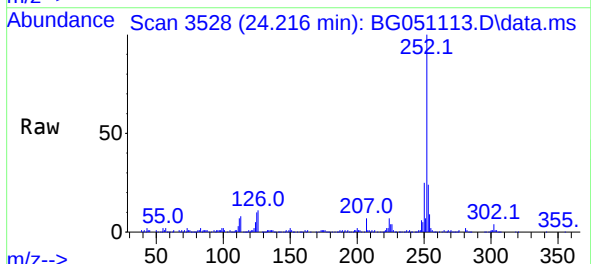
Tgt Ion:276 Resp: 6091
Ion Ratio Lower Upper
276 100
138 21.7 5.1 7.7
277 25.4 19.8 29.6

Manual Integrations
APPROVED

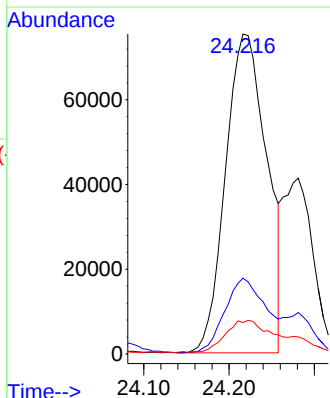
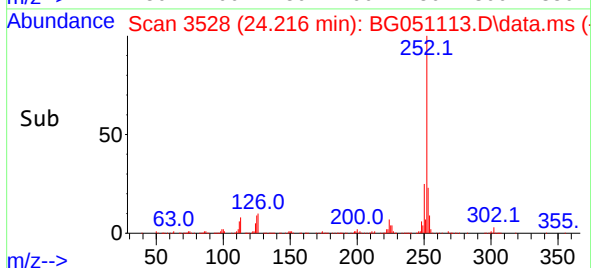
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

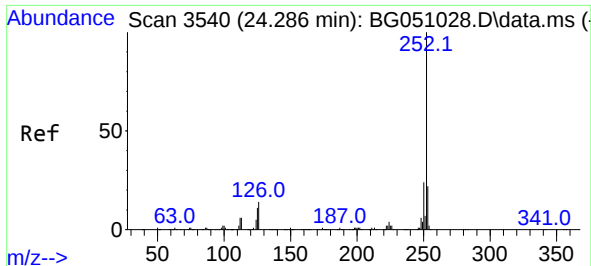


#88
Benzo(b)fluoranthene
Concen: 22.440 ng
RT: 24.216 min Scan# 3528
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



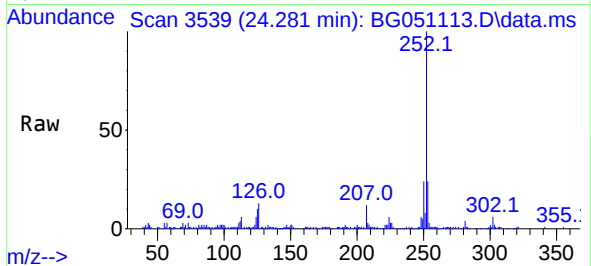
Tgt Ion:252 Resp: 253230
Ion Ratio Lower Upper
252 100
253 23.7 16.2 24.4
125 9.8 3.0 4.4





#89
Benzo(k)fluoranthene
Concen: 8.729 ng m
RT: 24.281 min Scan# 3539
Delta R.T. -0.005 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14

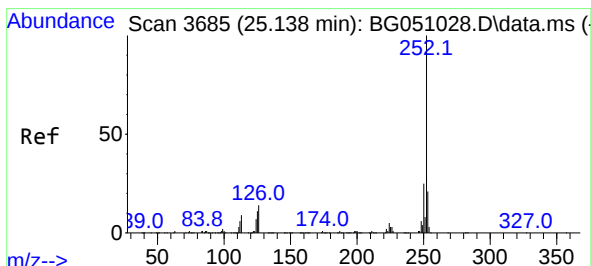
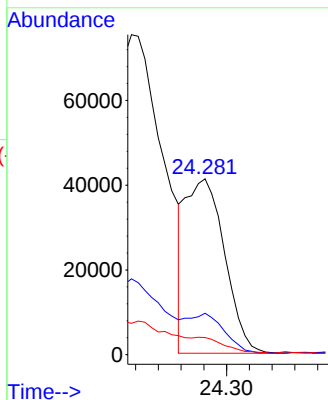
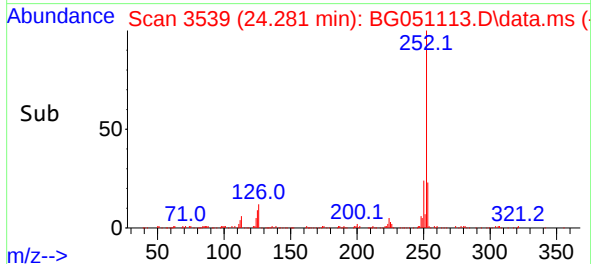
Instrument :
BNA_G
ClientSampleId :
289



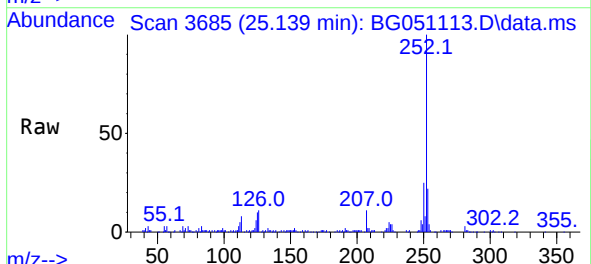
Tgt Ion:252 Resp: 9824
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 9.8 3.1 4.7

Manual Integrations
APPROVED

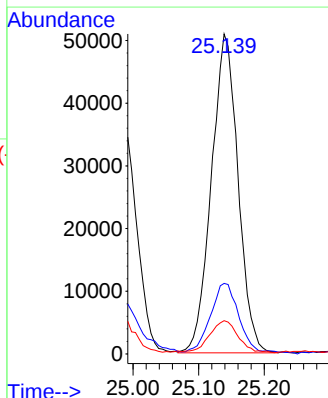
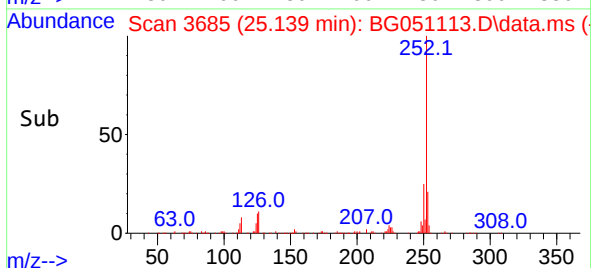
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

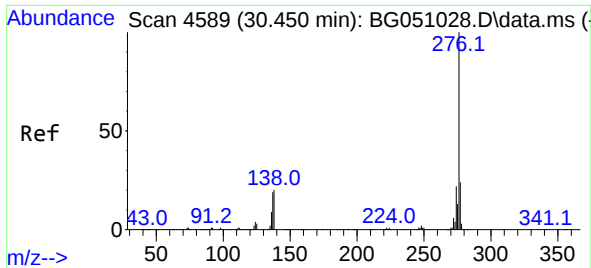


#90
Benzo(a)pyrene
Concen: 14.879 ng
RT: 25.139 min Scan# 3685
Delta R.T. 0.001 min
Lab File: BG051113.D
Acq: 18 Nov 2021 20:14



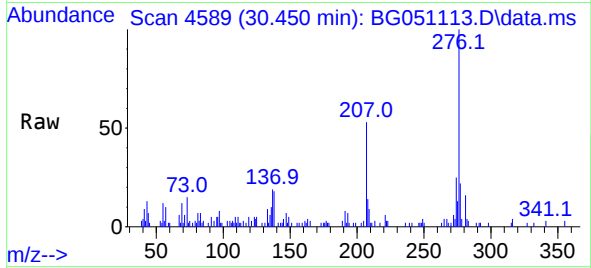
Tgt Ion:252 Resp: 143348
Ion Ratio Lower Upper
252 100
253 22.1 16.6 25.0
125 10.4 3.5 5.3





#92
 Benzo(g,h,i)perylene
 Concen: 5.046 ng
 RT: 30.450 min Scan# 4589
 Delta R.T. 0.001 min
 Lab File: BG051113.D
 Acq: 18 Nov 2021 20:14

Instrument :
 BNA_G
 ClientSampleId :
 289



Tgt Ion: 276 Resp: 52020

Ion	Ratio	Lower	Upper
276	100		
277	21.8	18.4	27.6
138	17.8	7.0	10.6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/19/2021
 Supervised By :mohammad ahmed 11/29/2021

