

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
 Data File : BG051056.D
 Acq On : 16 Nov 2021 00:52
 Operator : CG/JU
 Sample : M4651-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111121

Quant Time: Nov 16 02:24:12 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 03:55:35 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/16/2021
 Supervised By :mohammad ahmed 11/17/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	49623	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	214080	20.000	ng	# 0.00
39) Acenaphthene-d10	14.851	164	135417	20.000	ng	0.00
64) Phenanthrene-d10	17.600	188	254708	20.000	ng	# 0.00
76) Chrysene-d12	21.901	240	206852	20.000	ng	# 0.00
86) Perylene-d12	25.315	264	206697	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.761	112	429992	129.623	ng	0.00
7) Phenol-d6	7.377	99	582339	124.374	ng	0.00
23) Nitrobenzene-d5	9.398	82	409634	84.702	ng	0.00
42) 2,4,6-Tribromophenol	16.343	330	162701	120.061	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	723690	84.439	ng	0.00
79) Terphenyl-d14	20.186	244	849706	75.164	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.912	142	21334	2.795	ng	# 94
52) Acenaphthene	14.915	154	27036	3.700	ng	# 93
55) Dibenzofuran	15.250	168	54207	4.362	ng	95
58) Fluorene	15.897	166	60969	6.285	ng	98
71) Phenanthrene	17.642	178	314992	23.185	ng	97
72) Anthracene	17.736	178	125120	9.260	ng	97
75) Fluoranthene	19.639	202	512925	30.772	ng	96
78) Pyrene	20.004	202	446936	28.801	ng	97
81) Benzo(a)anthracene	21.878	228	233164	16.416	ng	98
83) Chrysene	21.948	228	210520	15.712	ng	94
87) Indeno(1,2,3-cd)pyrene	29.252	276	98428	6.709	ng	# 57
88) Benzo(b)fluoranthene	24.228	252	259225	19.924	ng	# 88
89) Benzo(k)fluoranthene	24.287	252	106966m	8.243	ng	
90) Benzo(a)pyrene	25.150	252	200786	18.076	ng	# 89
91) Dibenzo(a,h)anthracene	29.310	278	25254	2.091	ng	# 84
92) Benzo(g,h,i)perylene	30.479	276	85731	7.212	ng	# 84

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

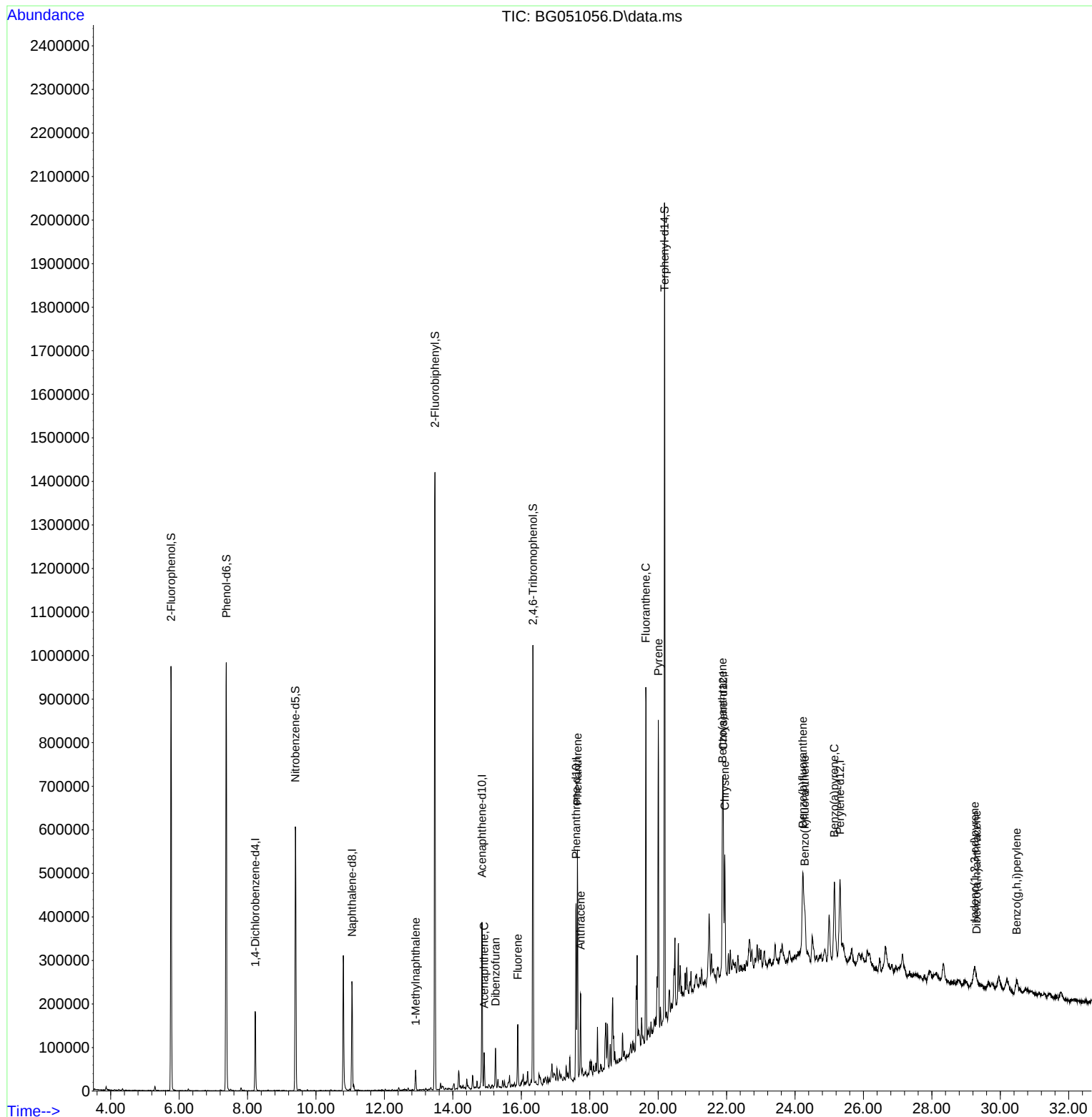
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051056.D
Acq On : 16 Nov 2021 00:52
Operator : CG/JU
Sample : M4651-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

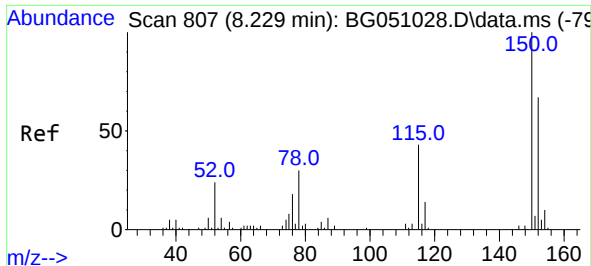
Instrument :
BNA_G
ClientSampleId :
HD-02-111121

Quant Time: Nov 16 02:24:12 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 03:55:35 2021
Response via : Initial Calibration

Manual Integrations
APPROVED

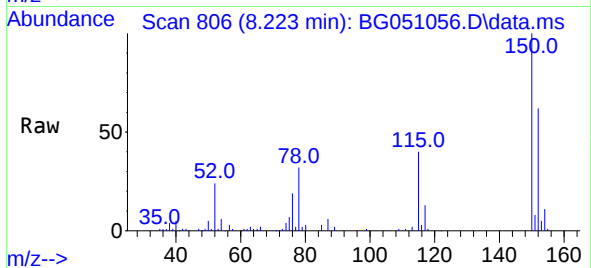
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 807
Delta R.T. -0.006 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

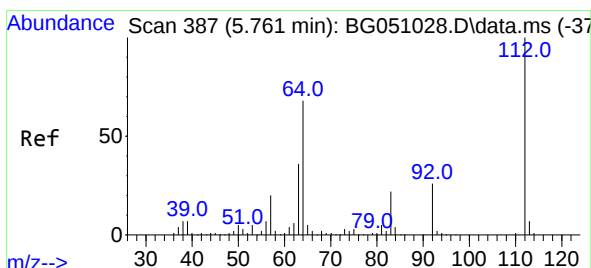
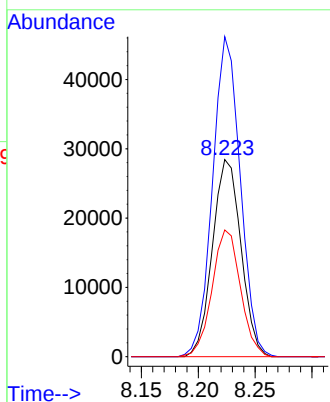
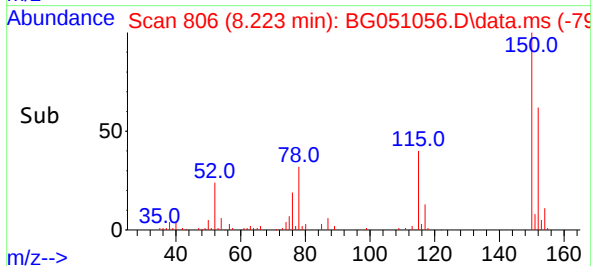
Instrument :
BNA_G
ClientSampleId :
HD-02-111121



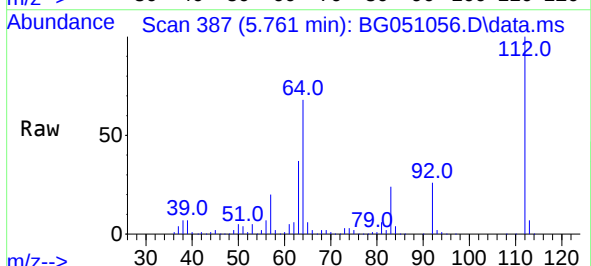
Tgt Ion:152 Resp: 4962
Ion Ratio Lower Upper
152 100
150 162.4 119.4 179.0
115 64.3 60.2 90.4

Manual Integrations
APPROVED

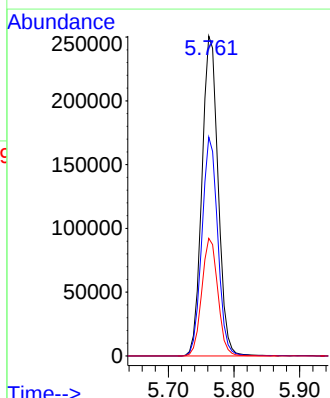
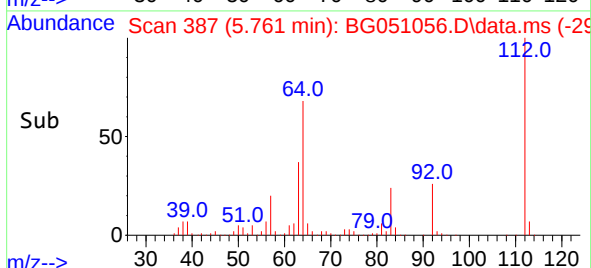
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021

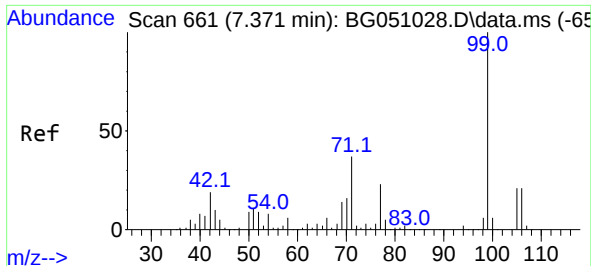


#5
2-Fluorophenol
Concen: 129.623 ng
RT: 5.761 min Scan# 387
Delta R.T. 0.000 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



Tgt Ion:112 Resp: 429992
Ion Ratio Lower Upper
112 100
64 68.4 46.7 70.1
63 36.8 35.3 52.9





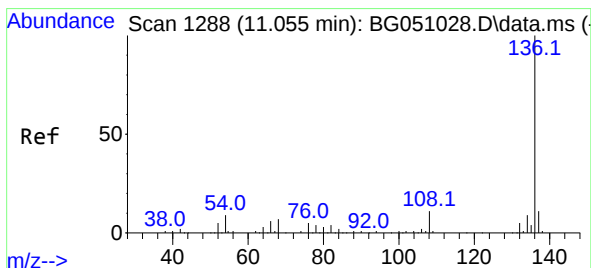
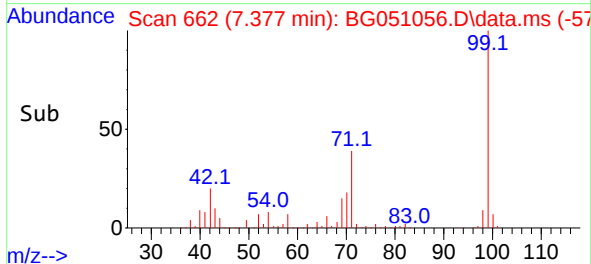
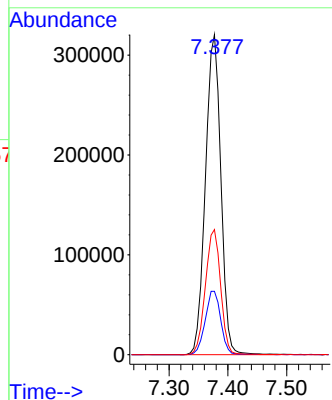
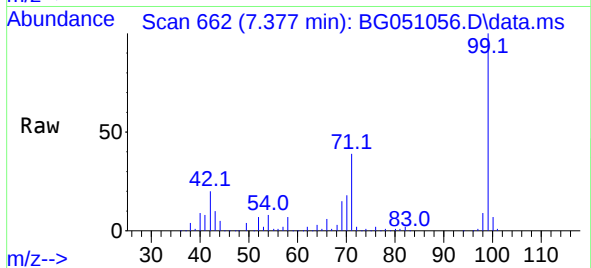
#7
Phenol-d6
Concen: 124.374 ng
RT: 7.377 min Scan# 60
Delta R.T. 0.006 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Instrument :
BNA_G
ClientSampleId :
HD-02-111121

Tgt Ion: 99 Resp: 582339
Ion Ratio Lower Upper
99 100
42 19.8 20.5 30.7
71 39.1 41.5 62.3

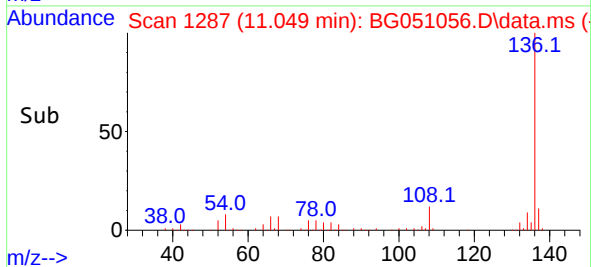
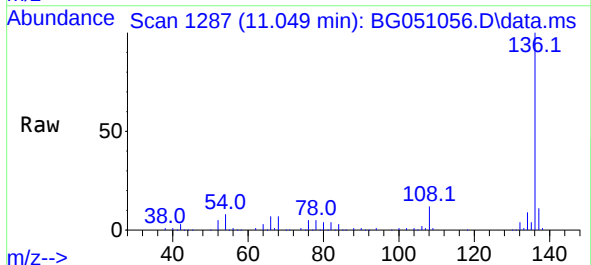
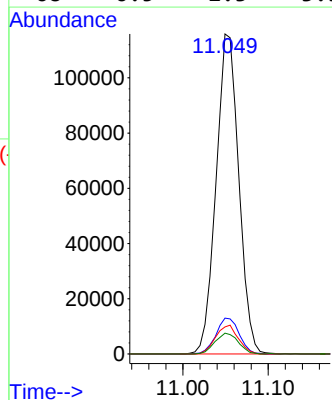
Manual Integrations
APPROVED

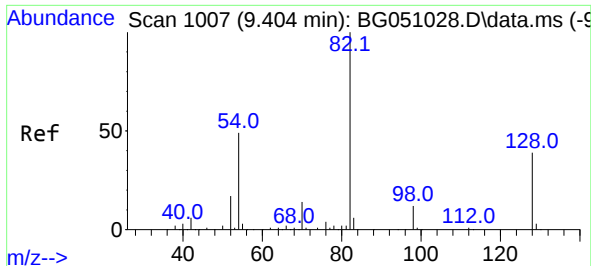
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Tgt Ion:136 Resp: 214080
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 8.5 5.5 8.3#
68 6.5 2.3 3.5#





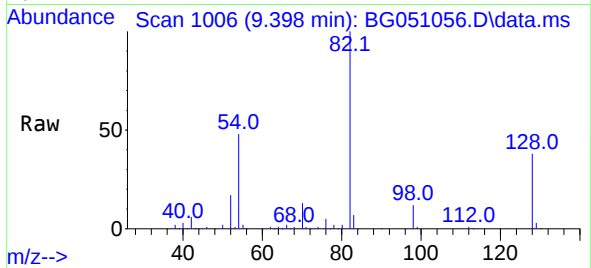
#23
Nitrobenzene-d5
Concen: 84.702 ng
RT: 9.398 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Instrument :

BNA_G

ClientSampleId :

HD-02-111121

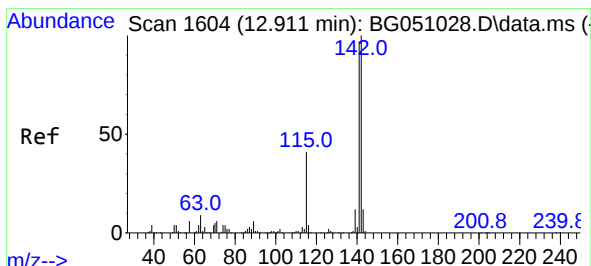
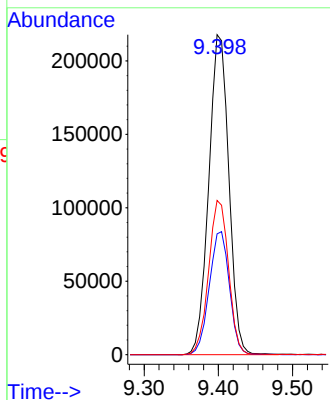
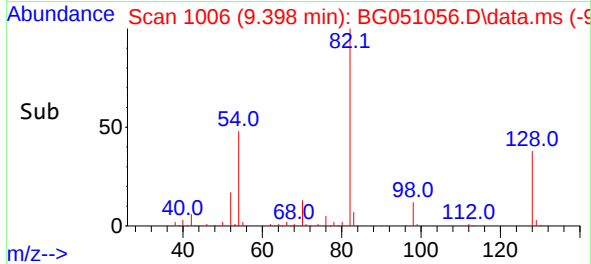


Tgt Ion: 82 Resp: 409634
Ion Ratio Lower Upper
82 100
128 37.8 29.8 44.6
54 48.2 45.8 68.8

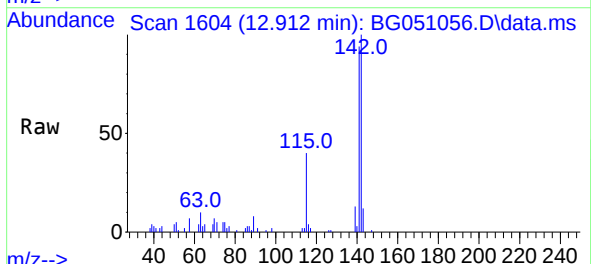
Manual Integrations

APPROVED

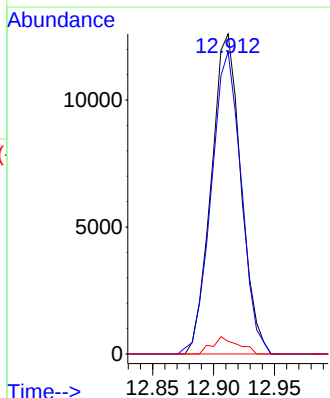
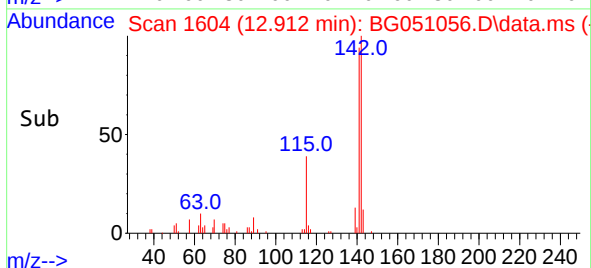
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021

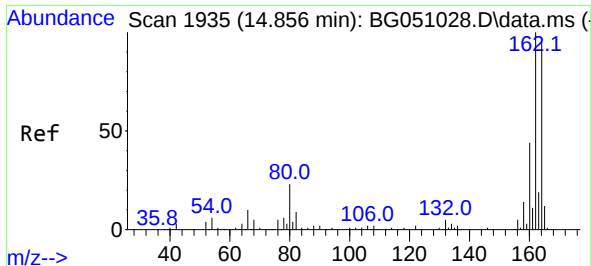


#38
1-Methylnaphthalene
Concen: 2.795 ng
RT: 12.912 min Scan# 1604
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



Tgt Ion:142 Resp: 21334
Ion Ratio Lower Upper
142 100
141 94.5 70.6 106.0
116 4.0 4.0 6.0#





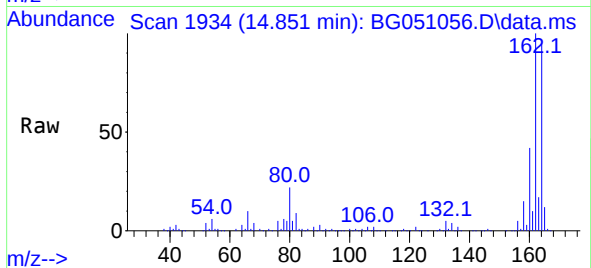
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.851 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Instrument :

BNA_G

ClientSampleId :

HD-02-111121

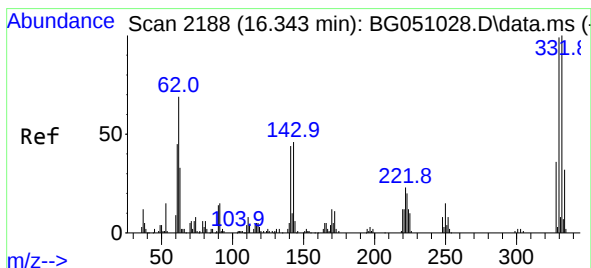
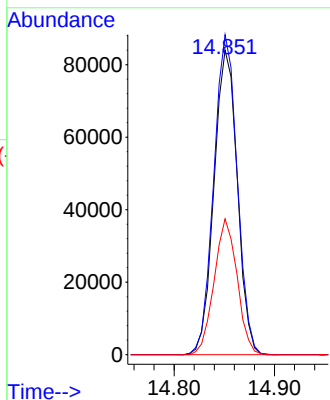
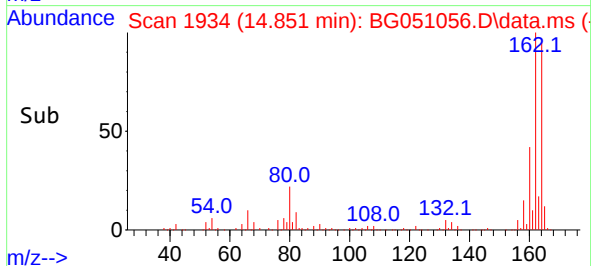


Tgt Ion:164 Resp: 135417
Ion Ratio Lower Upper
164 100
162 105.1 81.4 122.0
160 44.6 34.9 52.3

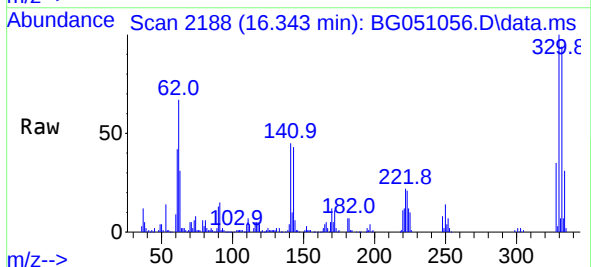
Manual Integrations

APPROVED

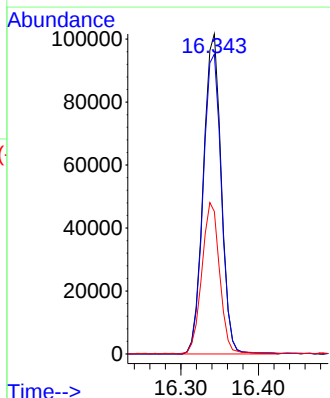
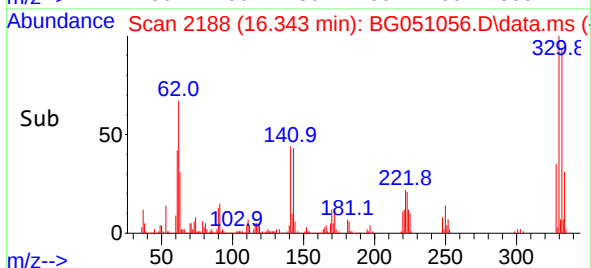
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021

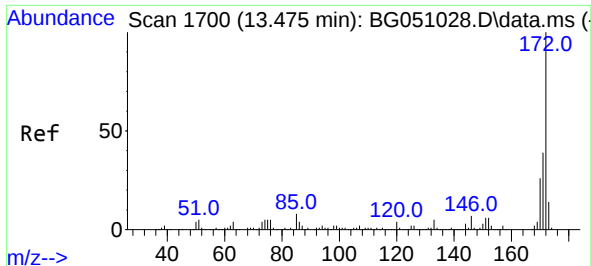


#42
2,4,6-Tribromophenol
Concen: 120.061 ng
RT: 16.343 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



Tgt Ion:330 Resp: 162701
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 47.5 35.6 53.4





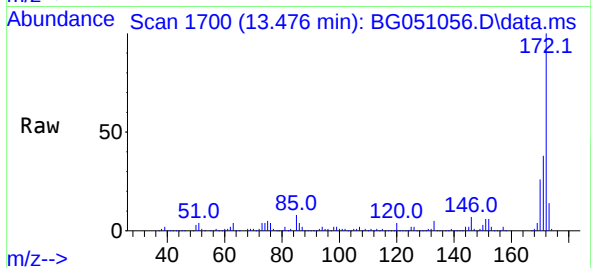
#45
2-Fluorobiphenyl
Concen: 84.439 ng
RT: 13.476 min Scan# 1700
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Instrument :

BNA_G

ClientSampleId :

HD-02-111121

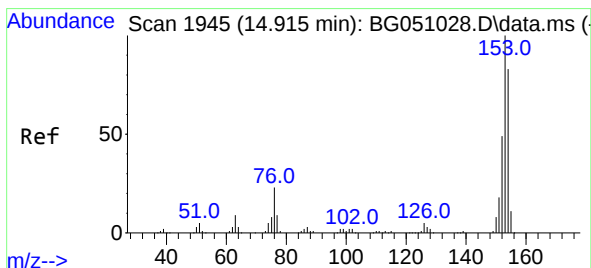
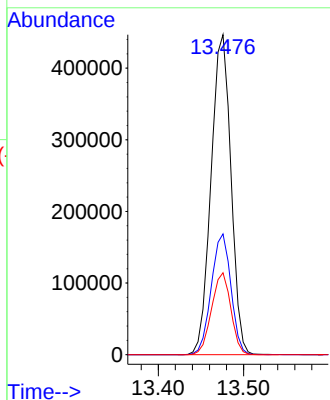
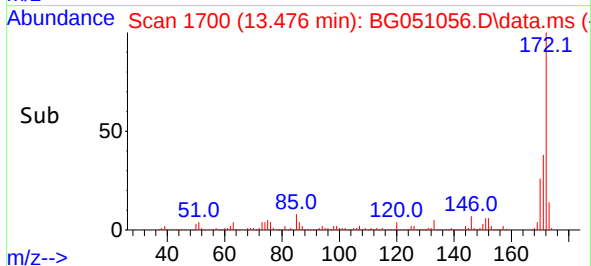


Tgt Ion:172 Resp: 723690
Ion Ratio Lower Upper
172 100
171 37.8 28.6 43.0
170 25.6 18.6 27.8

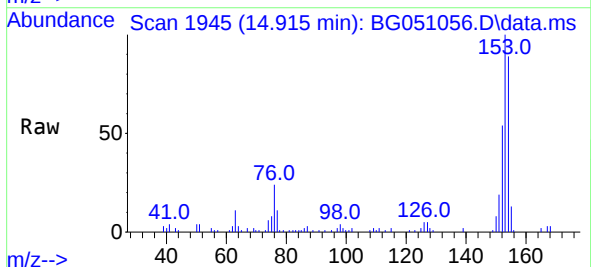
Manual Integrations

APPROVED

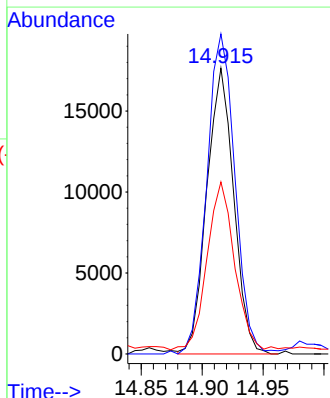
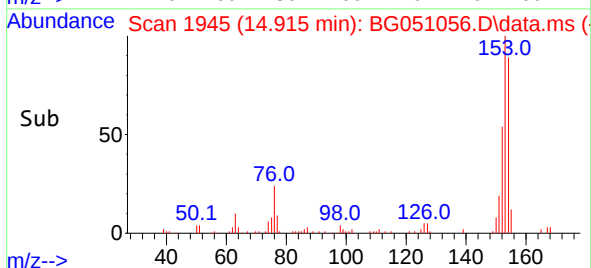
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021

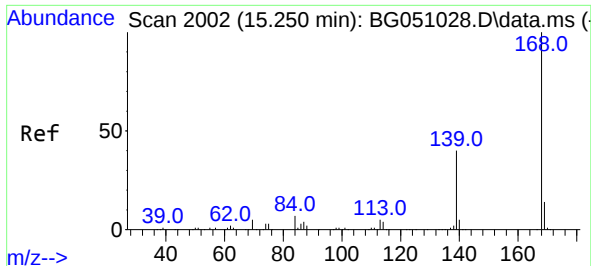


#52
Acenaphthene
Concen: 3.700 ng
RT: 14.915 min Scan# 1945
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



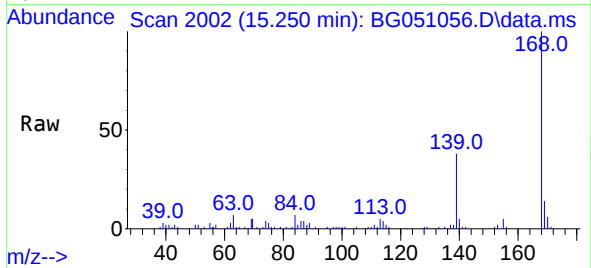
Tgt Ion:154 Resp: 27036
Ion Ratio Lower Upper
154 100
153 112.0 87.0 130.4
152 60.2 40.1 60.1#





#55
Dibenzenofuran
Concen: 4.362 ng
RT: 15.250 min Scan# 2002
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

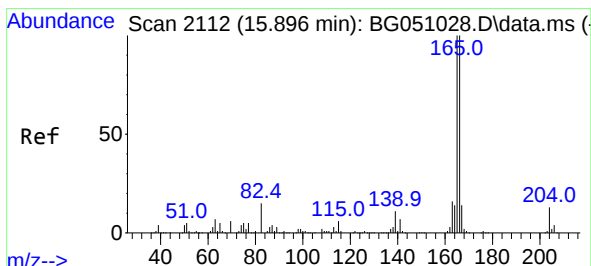
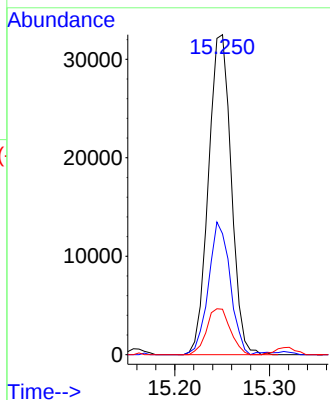
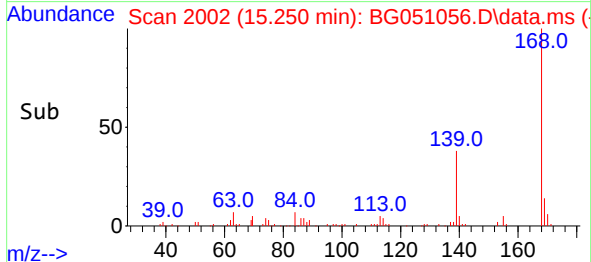
Instrument :
BNA_G
ClientSampleId :
HD-02-111121



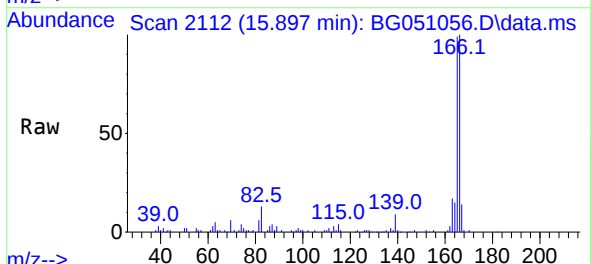
Tgt Ion:168 Resp: 5420
Ion Ratio Lower Upper
168 100
139 37.8 33.4 50.2
169 14.2 12.3 18.5

Manual Integrations
APPROVED

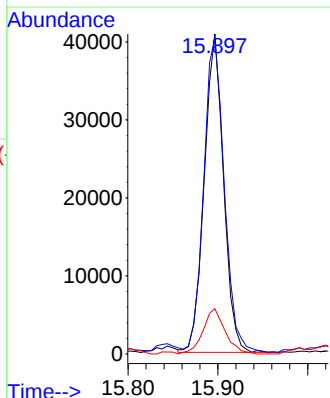
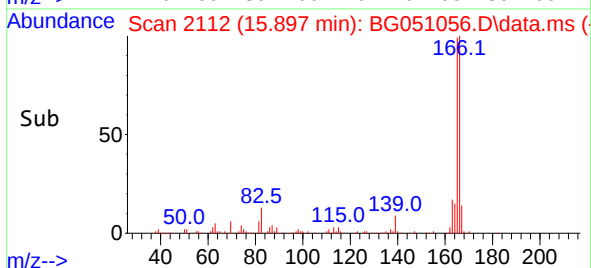
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021

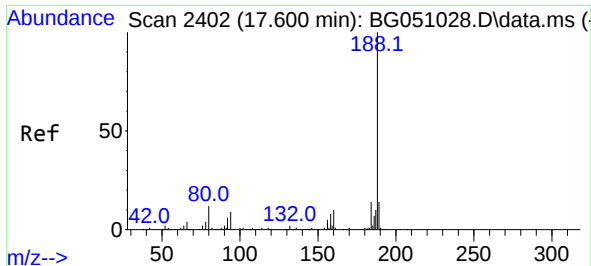


#58
Fluorene
Concen: 6.285 ng
RT: 15.897 min Scan# 2112
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



Tgt Ion:166 Resp: 60969
Ion Ratio Lower Upper
166 100
165 98.9 77.7 116.5
167 14.2 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.600 min Scan# 2402
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Instrument :

BNA_G

ClientSampleId :

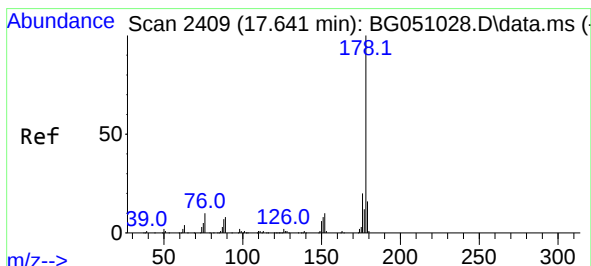
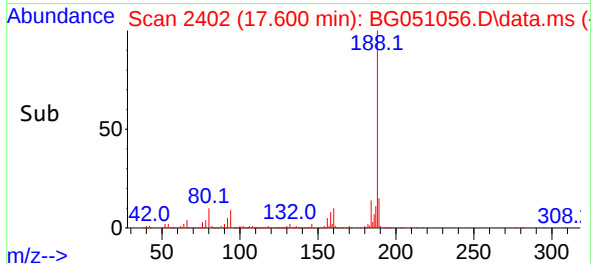
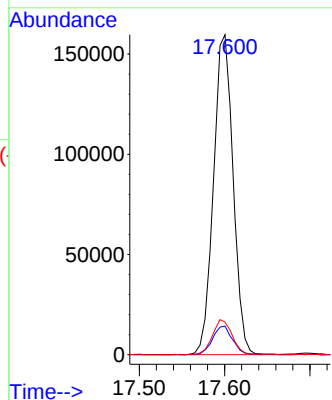
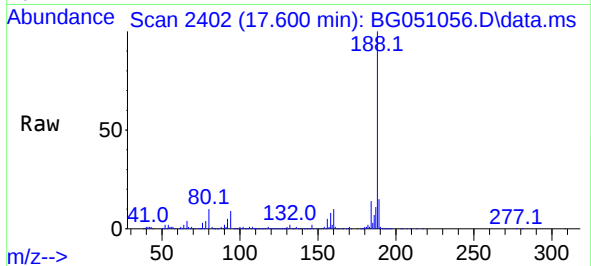
HD-02-111121

Tgt Ion:188 Resp: 254700
Ion Ratio Lower Upper
188 100
94 8.9 5.4 8.0
80 10.2 3.7 5.5

Manual Integrations

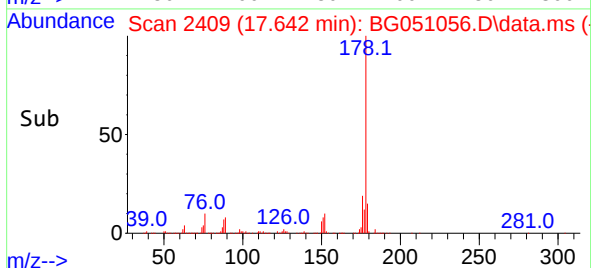
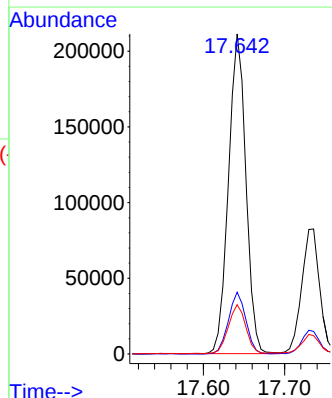
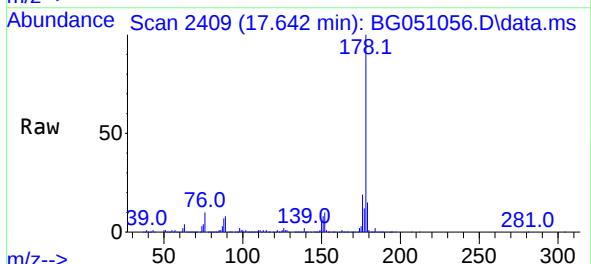
APPROVED

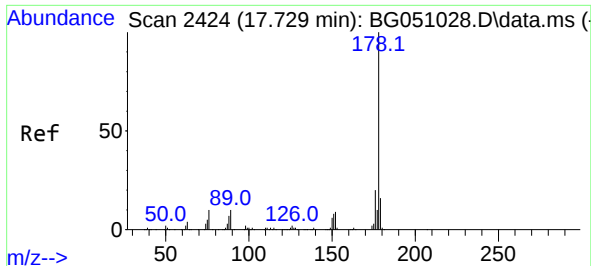
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021



#71
Phenanthrene
Concen: 23.185 ng
RT: 17.642 min Scan# 2409
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

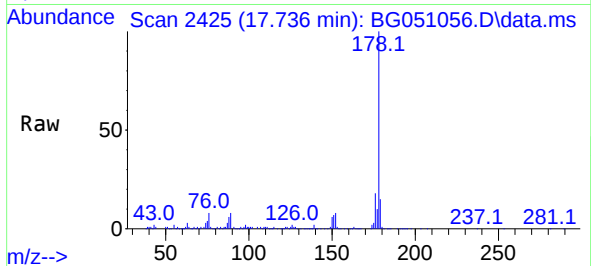
Tgt Ion:178 Resp: 314992
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 14.2 21.4





#72
 Anthracene
 Concen: 9.260 ng
 RT: 17.736 min Scan# 2424
 Delta R.T. 0.006 min
 Lab File: BG051056.D
 Acq: 16 Nov 2021 00:52

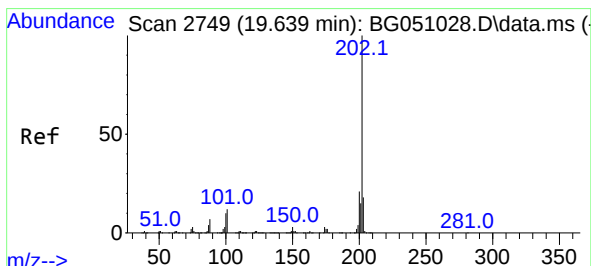
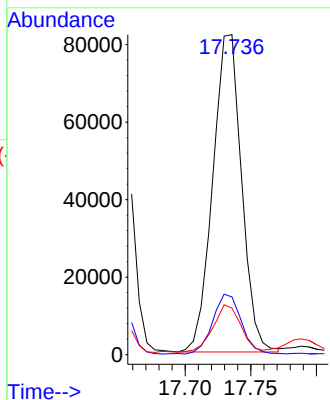
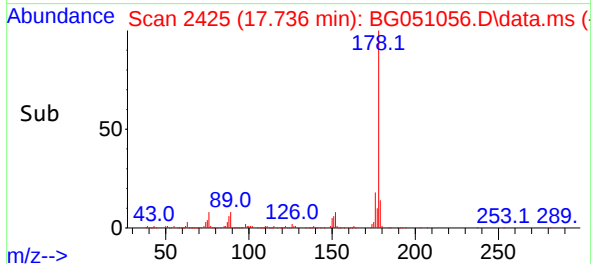
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-111121



Tgt Ion:178 Resp: 125120
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 21.8
 179 14.6 13.4 20.0

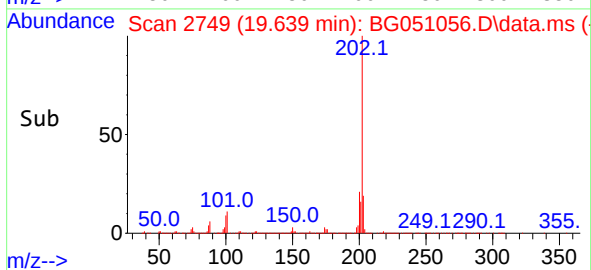
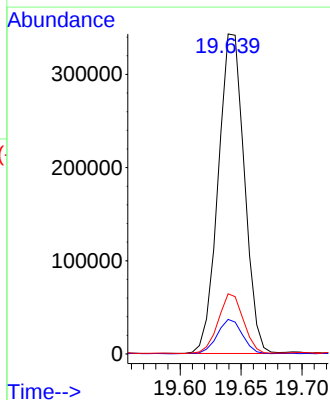
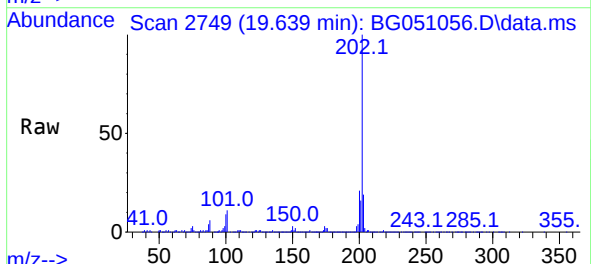
Manual Integrations
 APPROVED

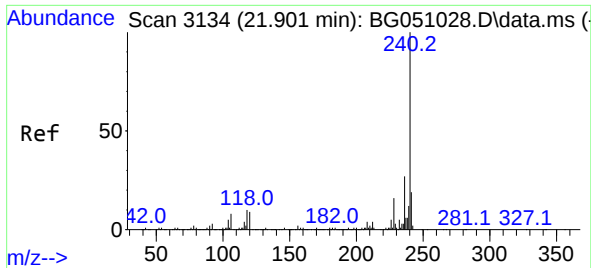
Reviewed By :Jagrut Upadhyay 11/16/2021
 Supervised By :mohammad ahmed 11/17/2021



#75
 Fluoranthene
 Concen: 30.772 ng
 RT: 19.639 min Scan# 2749
 Delta R.T. 0.000 min
 Lab File: BG051056.D
 Acq: 16 Nov 2021 00:52

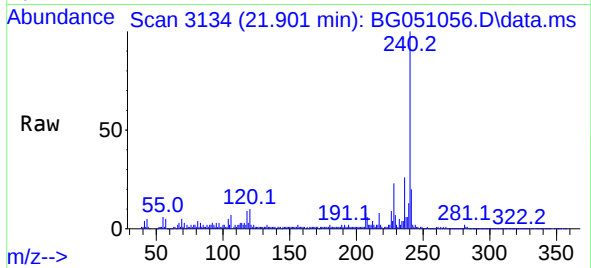
Tgt Ion:202 Resp: 512925
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 24.7
 203 18.8 0.0 38.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.901 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

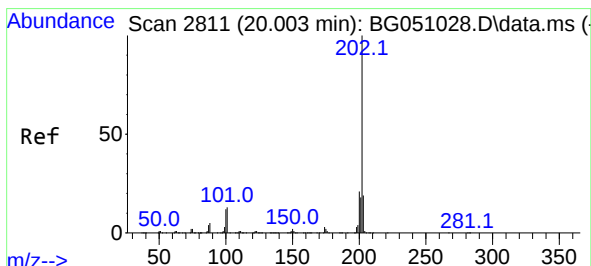
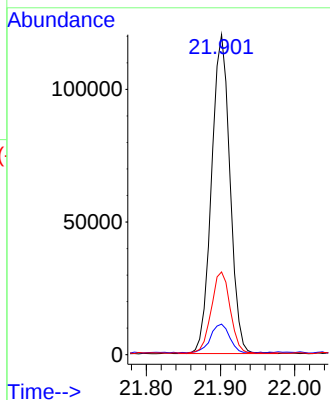
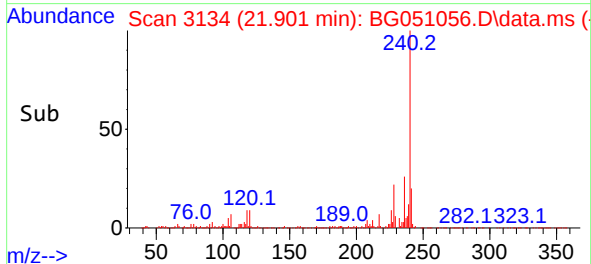
Instrument :
BNA_G
ClientSampleId :
HD-02-111121



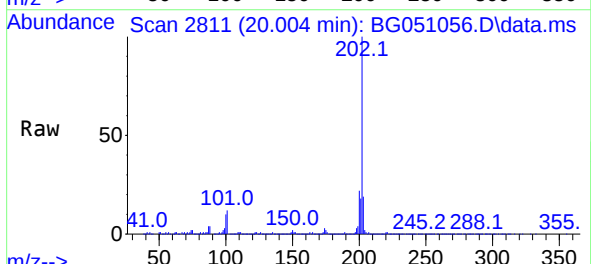
Tgt Ion:240 Resp: 206852
Ion Ratio Lower Upper
240 100
120 9.5 4.2 6.2
236 25.9 21.8 32.6

Manual Integrations
APPROVED

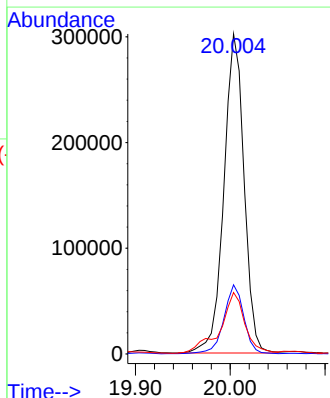
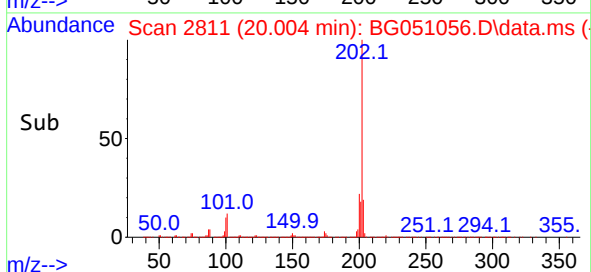
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021

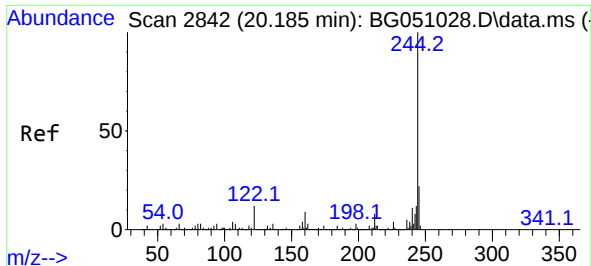


#78
Pyrene
Concen: 28.801 ng
RT: 20.004 min Scan# 2811
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



Tgt Ion:202 Resp: 446936
Ion Ratio Lower Upper
202 100
200 21.6 15.8 23.8
203 19.2 14.6 21.8





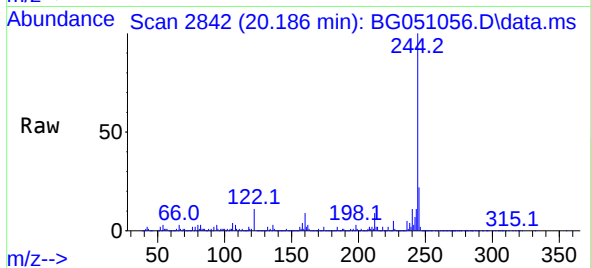
#79
 Terphenyl-d14
 Concen: 75.164 ng
 RT: 20.186 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG051056.D
 Acq: 16 Nov 2021 00:52

Instrument :

BNA_G

ClientSampleId :

HD-02-111121

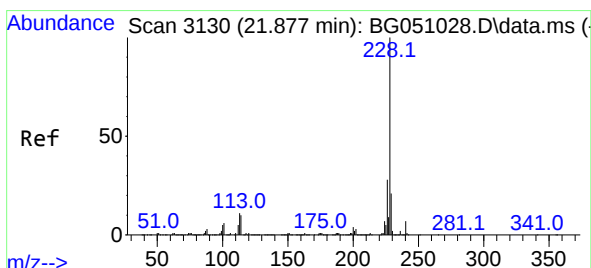
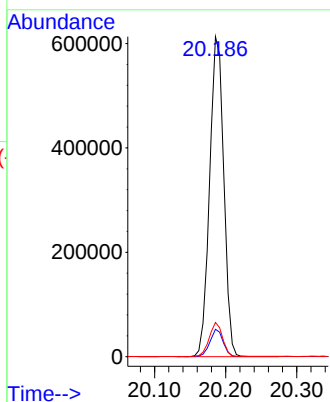
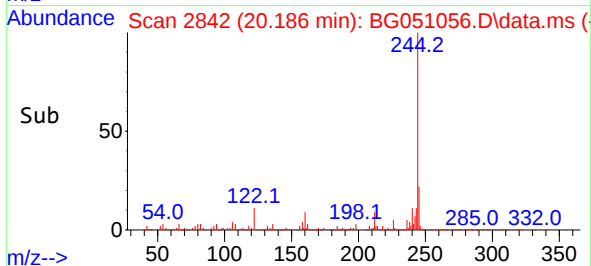


Tgt Ion:244 Resp: 849700
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.9 10.3
 122 10.7 5.0 7.6

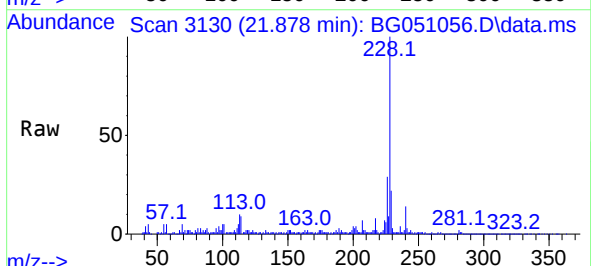
Manual Integrations

APPROVED

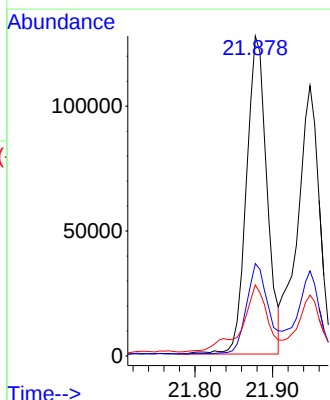
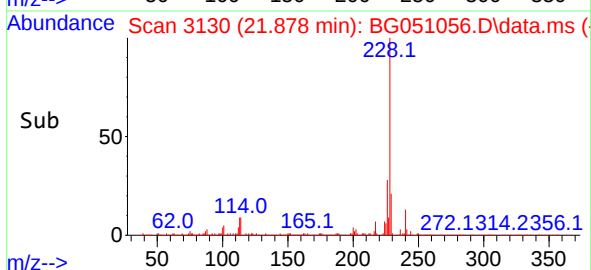
Reviewed By :Jagrut Upadhyay 11/16/2021
 Supervised By :mohammad ahmed 11/17/2021

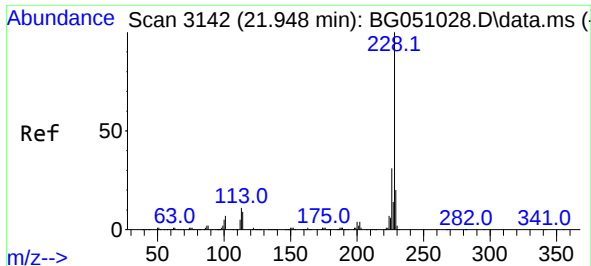


#81
 Benzo(a)anthracene
 Concen: 16.416 ng
 RT: 21.878 min Scan# 3130
 Delta R.T. 0.001 min
 Lab File: BG051056.D
 Acq: 16 Nov 2021 00:52



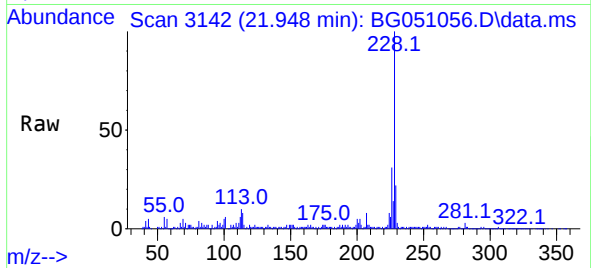
Tgt Ion:228 Resp: 233164
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.7 34.1
 229 22.2 16.0 24.0





#83
Chrysene
Concen: 15.712 ng
RT: 21.948 min Scan# 3142
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

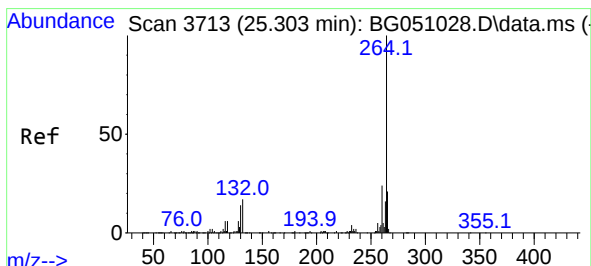
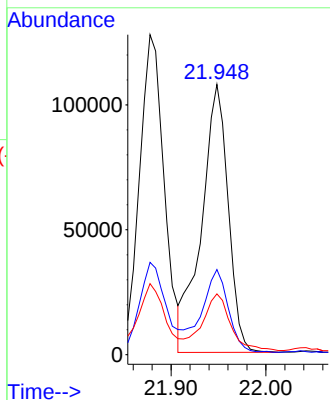
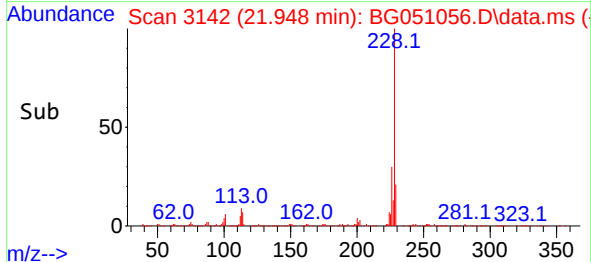
Instrument :
BNA_G
ClientSampleId :
HD-02-111121



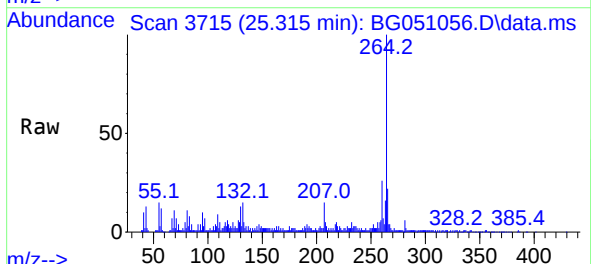
Tgt Ion:228 Resp: 210520
Ion Ratio Lower Upper
228 100
226 31.5 23.1 34.7
229 22.5 15.3 22.9

Manual Integrations
APPROVED

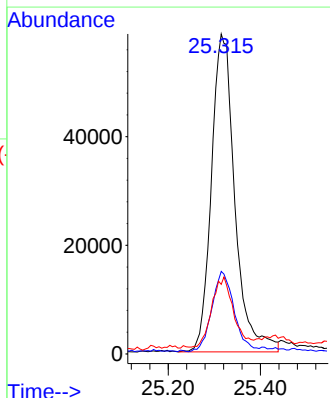
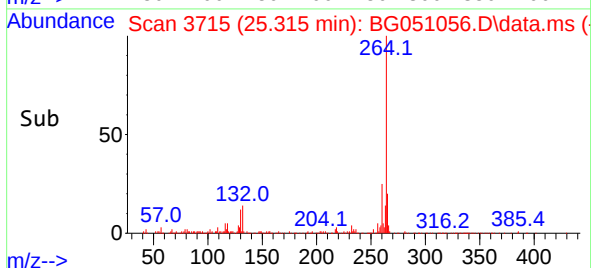
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021

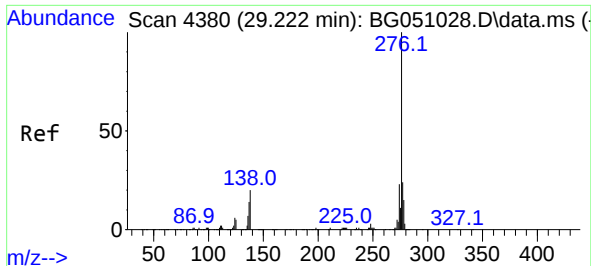


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.315 min Scan# 3715
Delta R.T. 0.012 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



Tgt Ion:264 Resp: 206697
Ion Ratio Lower Upper
264 100
260 25.8 19.4 29.2
265 21.8 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.709 ng
RT: 29.252 min Scan# 41
Delta R.T. 0.030 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

Instrument :

BNA_G

ClientSampleId :

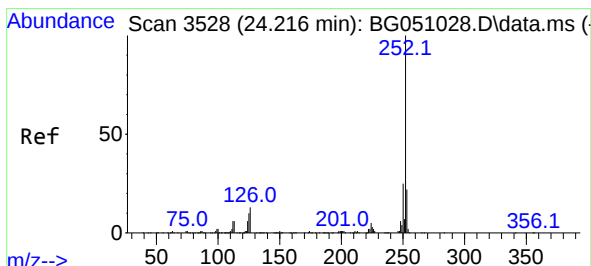
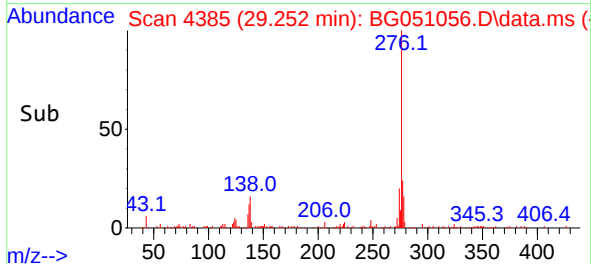
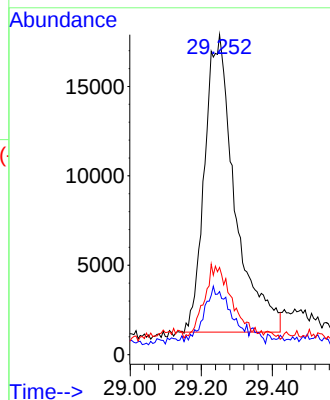
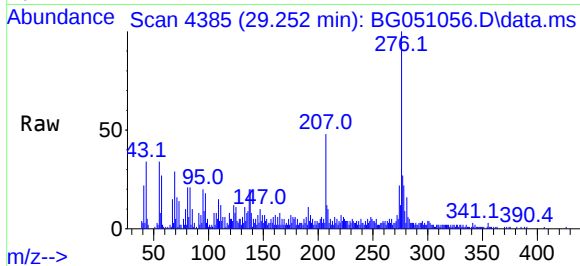
HD-02-111121

Tgt Ion:276 Resp: 98428
Ion Ratio Lower Upper
276 100
138 0.0 5.1 7.7
277 0.0 19.8 29.6

Manual Integrations

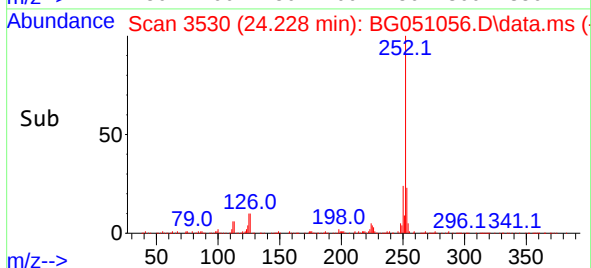
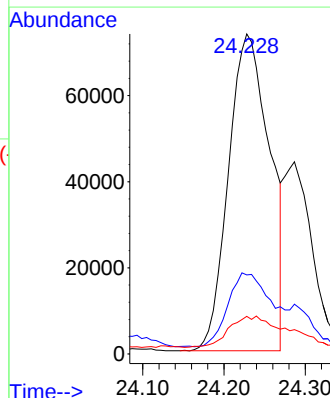
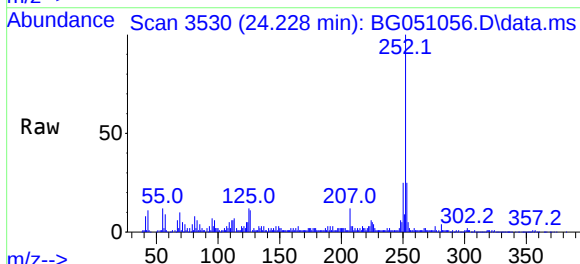
APPROVED

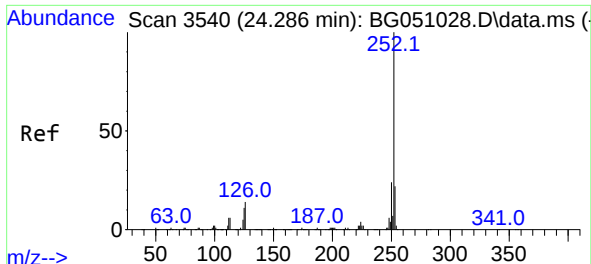
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021



#88
Benzo(b)fluoranthene
Concen: 19.924 ng
RT: 24.228 min Scan# 3530
Delta R.T. 0.012 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

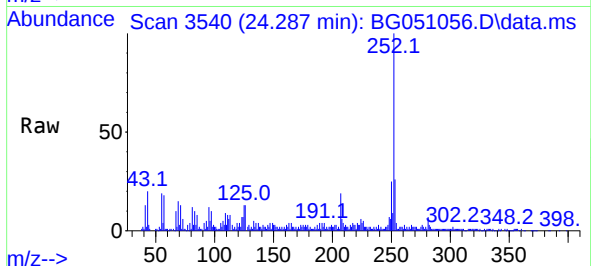
Tgt Ion:252 Resp: 259225
Ion Ratio Lower Upper
252 100
253 24.7 16.2 24.4#
125 11.8 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 8.243 ng m
RT: 24.287 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

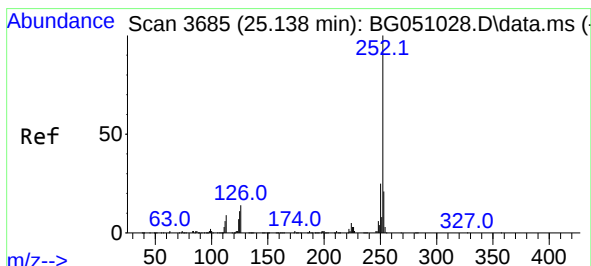
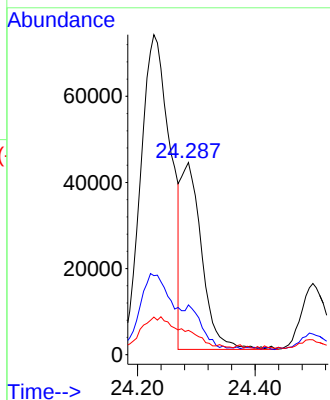
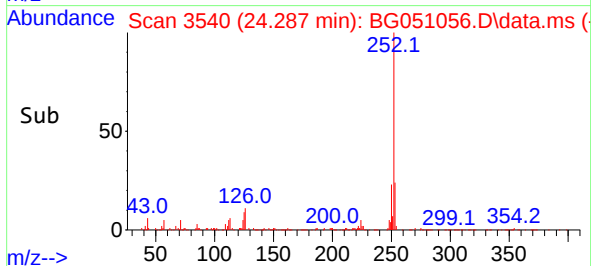
Instrument :
BNA_G
ClientSampleId :
HD-02-111121



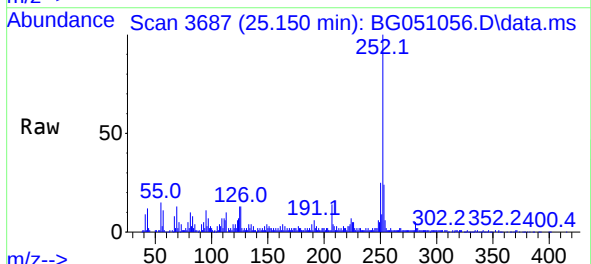
Tgt Ion:252 Resp: 106960
Ion Ratio Lower Upper
252 100
253 25.9 18.0 27.0
125 12.7 3.1 4.7

Manual Integrations
APPROVED

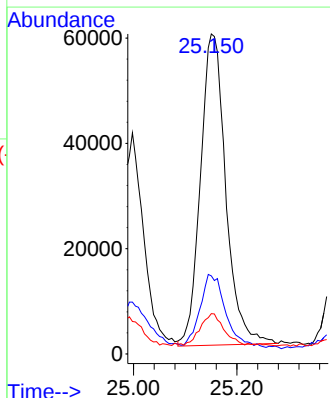
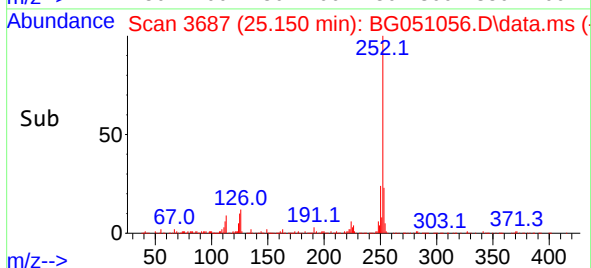
Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021

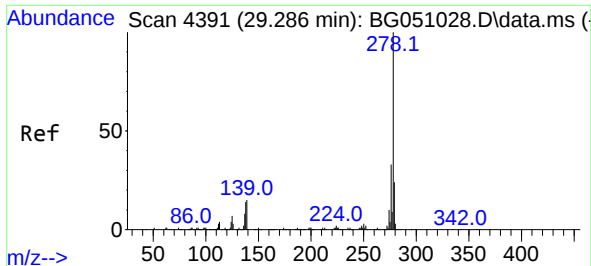


#90
Benzo(a)pyrene
Concen: 18.076 ng
RT: 25.150 min Scan# 3687
Delta R.T. 0.012 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



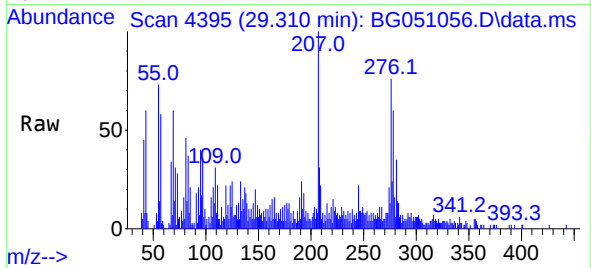
Tgt Ion:252 Resp: 200786
Ion Ratio Lower Upper
252 100
253 24.4 16.6 25.0
125 12.6 3.5 5.3





#91
Dibenzo(a,h)anthracene
Concen: 2.091 ng
RT: 29.310 min Scan# 4395
Delta R.T. 0.024 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52

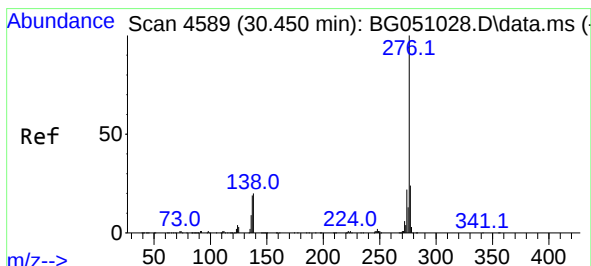
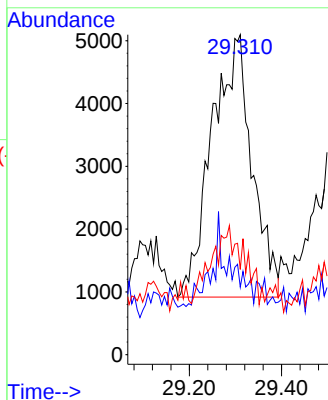
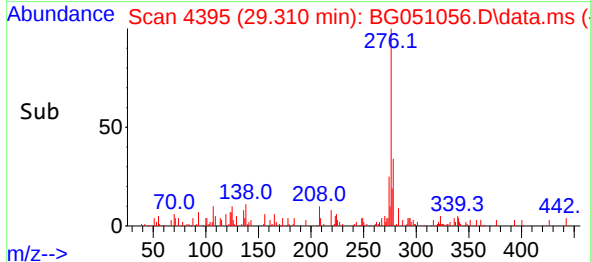
Instrument :
BNA_G
ClientSampleId :
HD-02-111121



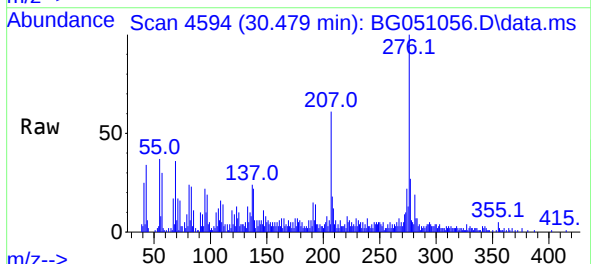
Tgt Ion:278 Resp: 25254
Ion Ratio Lower Upper
278 100
139 21.1 4.6 6.8
279 26.7 17.9 26.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/16/2021
Supervised By :mohammad ahmed 11/17/2021



#92
Benzo(g,h,i)perylene
Concen: 7.212 ng
RT: 30.479 min Scan# 4594
Delta R.T. 0.030 min
Lab File: BG051056.D
Acq: 16 Nov 2021 00:52



Tgt Ion:276 Resp: 85731
Ion Ratio Lower Upper
276 100
277 27.3 18.4 27.6
138 21.5 7.0 10.6

