

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
 Data File : BG051098.D
 Acq On : 17 Nov 2021 19:03
 Operator : CG/JU
 Sample : M4680-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2021
 Supervised By :mohammad ahmed 11/24/2021

Quant Time: Nov 18 00:04:07 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.225	152	32763	20.000	ng	0.00
21) Naphthalene-d8	11.051	136	147507	20.000	ng	# 0.00
39) Acenaphthene-d10	14.852	164	95513	20.000	ng	0.00
64) Phenanthrene-d10	17.602	188	185830	20.000	ng	# 0.00
76) Chrysene-d12	21.903	240	150903	20.000	ng	# 0.00
86) Perylene-d12	25.316	264	155075	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.769	112	257193	117.430	ng	0.00
7) Phenol-d6	7.379	99	347059	112.268	ng	0.00
23) Nitrobenzene-d5	9.406	82	241485	72.469	ng	0.00
42) 2,4,6-Tribromophenol	16.345	330	110566	115.676	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	446590	73.878	ng	0.00
79) Terphenyl-d14	20.187	244	551359	66.855	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.898	166	13930	2.036	ng	96
71) Phenanthrene	17.643	178	266523	26.888	ng	97
72) Anthracene	17.731	178	60046	6.091	ng	98
73) Carbazole	18.001	167	25483	2.610	ng	97
75) Fluoranthene	19.647	202	562600	46.263	ng	97
78) Pyrene	20.005	202	497851	43.977	ng	98
81) Benzo(a)anthracene	21.879	228	291851	28.166	ng	99
83) Chrysene	21.950	228	269707m	27.592	ng	
87) Indeno(1,2,3-cd)pyrene	29.247	276	162279	14.743	ng	# 92
88) Benzo(b)fluoranthene	24.229	252	357370	36.611	ng	# 92
89) Benzo(k)fluoranthene	24.288	252	110821m	11.383	ng	
90) Benzo(a)pyrene	25.158	252	252596	30.311	ng	# 94
91) Dibenzo(a,h)anthracene	29.288	278	43374	4.786	ng	# 88
92) Benzo(g,h,i)perylene	30.493	276	150567	16.883	ng	# 91

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

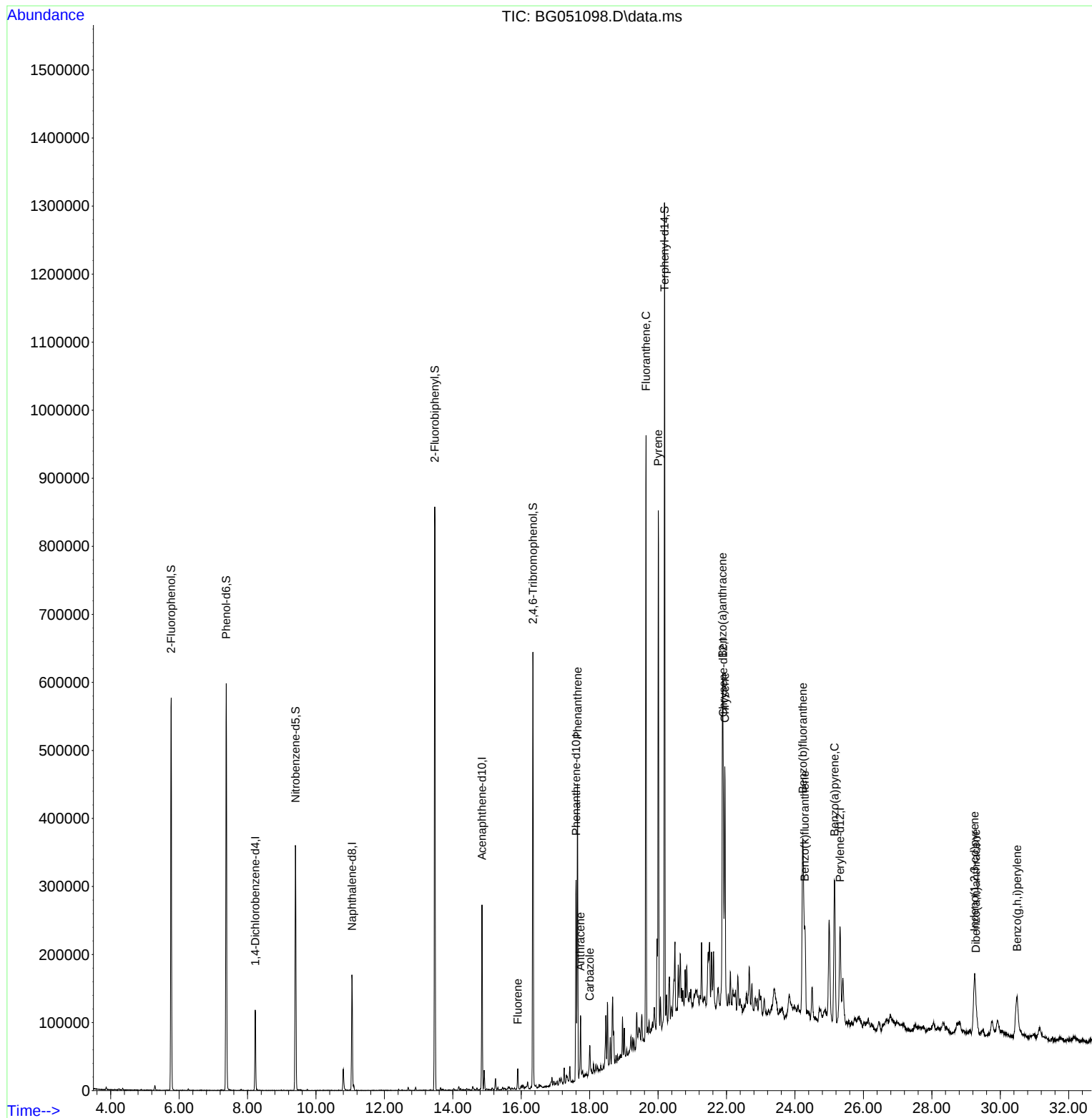
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111721\
Data File : BG051098.D
Acq On : 17 Nov 2021 19:03
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ALS Vial : 14 Sample Multiplier: 1

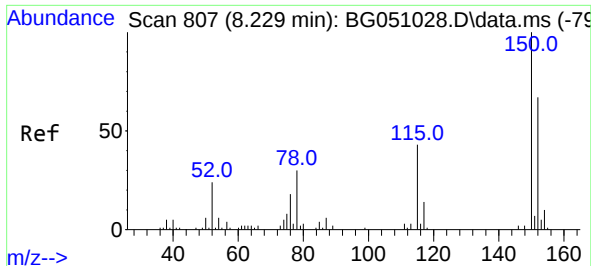
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Quant Time: Nov 18 00:04:07 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 15 03:55:35 2021
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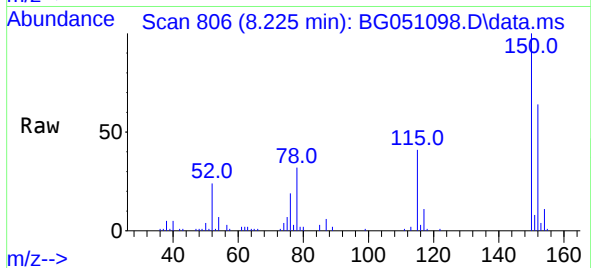
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.225 min Scan# 807
Delta R.T. -0.004 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

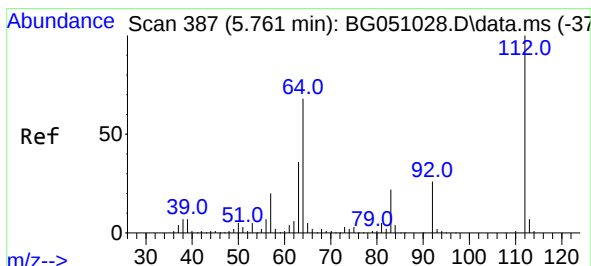
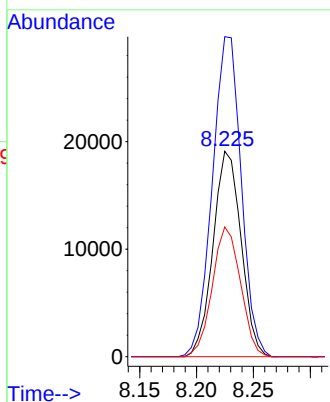
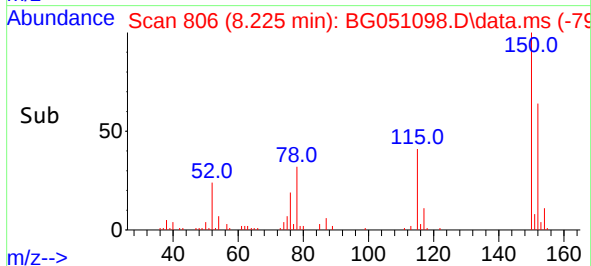
Instrument :
BNA_G
ClientSampleId :
COMP-2



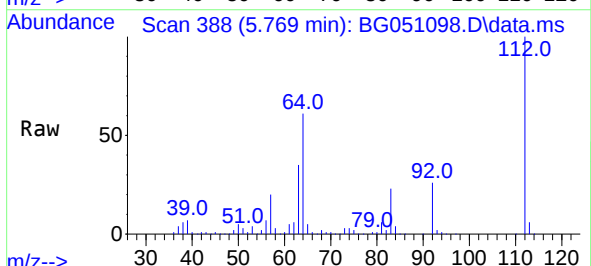
Tgt Ion:152 Resp: 3276
Ion Ratio Lower Upper
152 100
150 155.7 119.4 179.0
115 63.1 60.2 90.4

Manual Integrations
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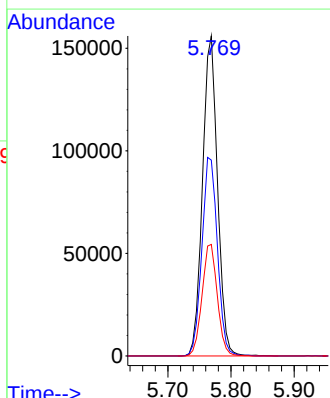
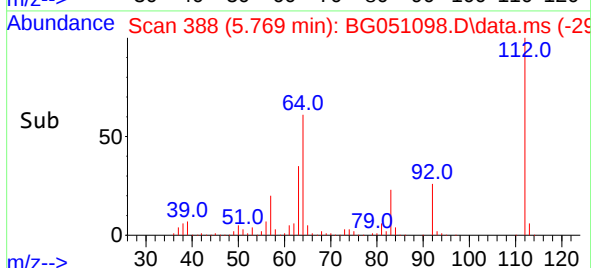
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

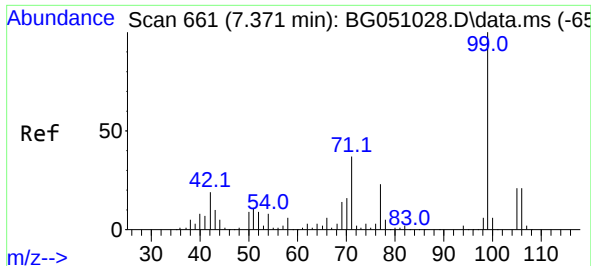


#5
2-Fluorophenol
Concen: 117.430 ng
RT: 5.769 min Scan# 388
Delta R.T. 0.008 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03



Tgt Ion:112 Resp: 257193
Ion Ratio Lower Upper
112 100
64 61.2 46.7 70.1
63 34.8 35.3 52.9#





#7
Phenol-d6
Concen: 112.268 ng
RT: 7.379 min Scan# 60
Delta R.T. 0.008 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Instrument :

BNA_G

ClientSampleId :

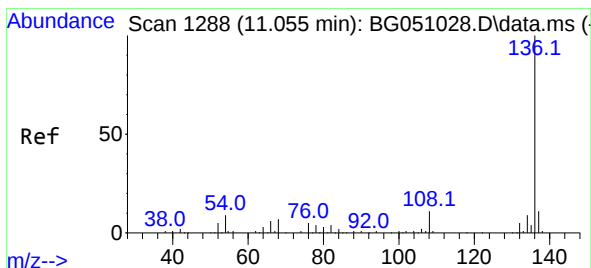
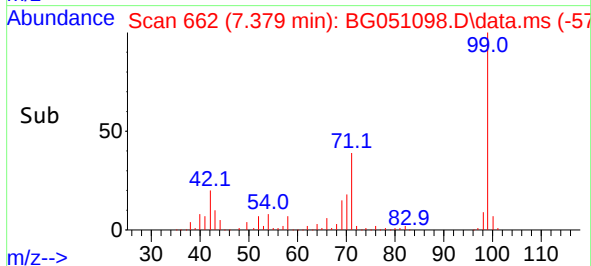
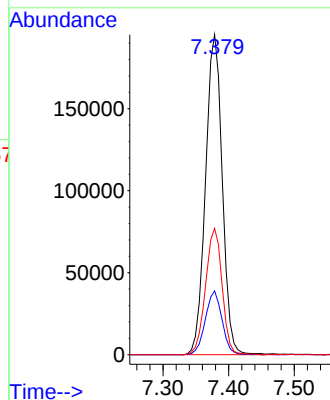
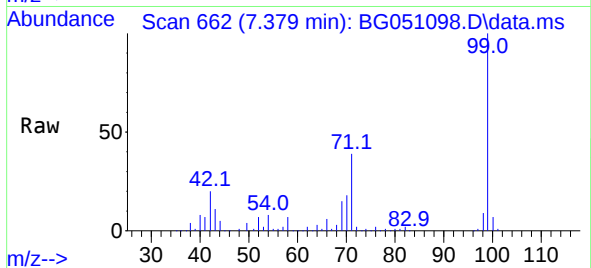
COMP-2

Tgt Ion: 99 Resp: 34705
Ion Ratio Lower Upper
99 100
42 20.0 20.5 30.7
71 39.5 41.5 62.3

Manual Integrations

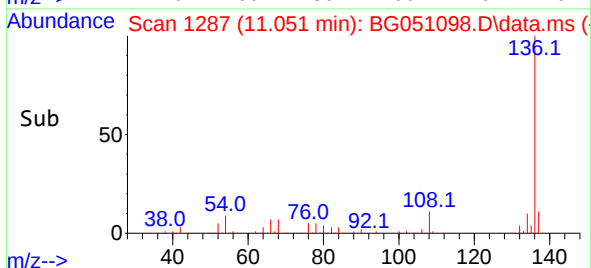
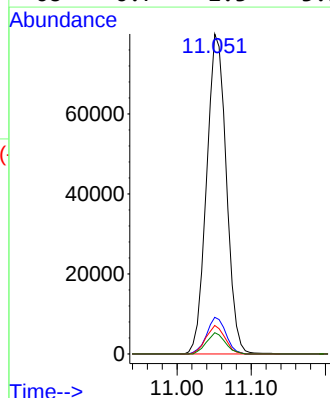
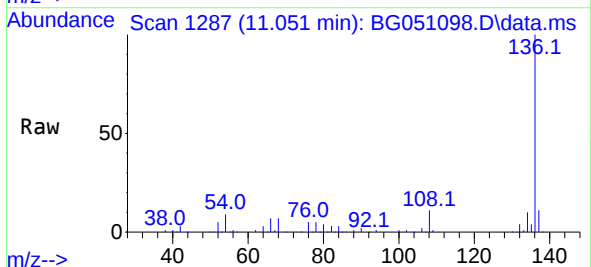
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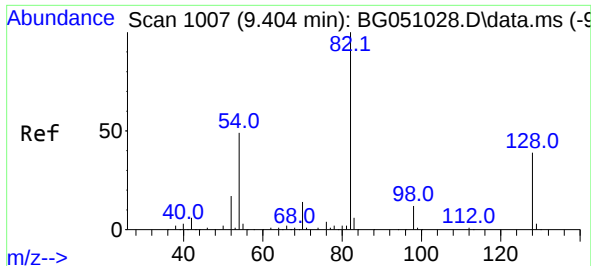
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.051 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:136 Resp: 147507
Ion Ratio Lower Upper
136 100
137 11.5 8.2 12.2
54 8.9 5.5 8.3#
68 6.7 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 72.469 ng
RT: 9.406 min Scan# 1007
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Instrument :

BNA_G

ClientSampleId :

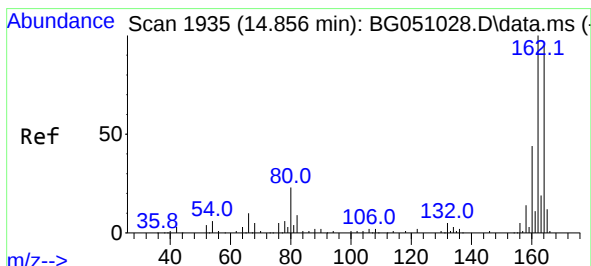
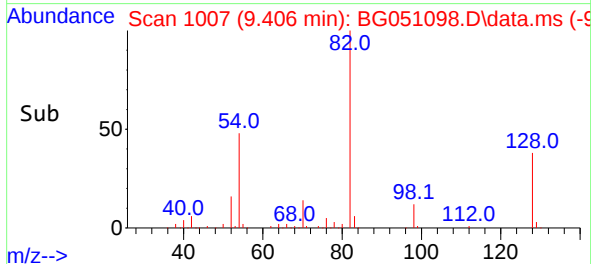
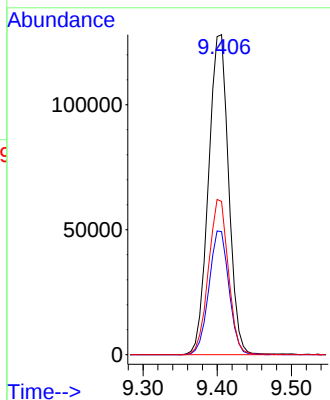
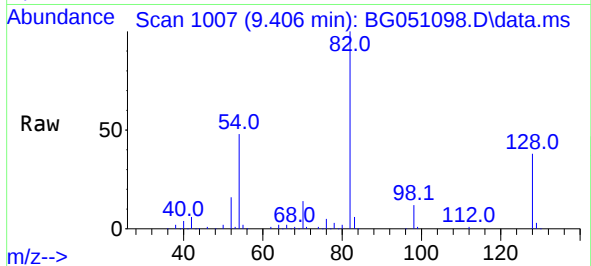
COMP-2

Tgt Ion: 82 Resp: 24148
Ion Ratio Lower Upper
82 100
128 38.4 29.8 44.6
54 47.9 45.8 68.8

Manual Integrations

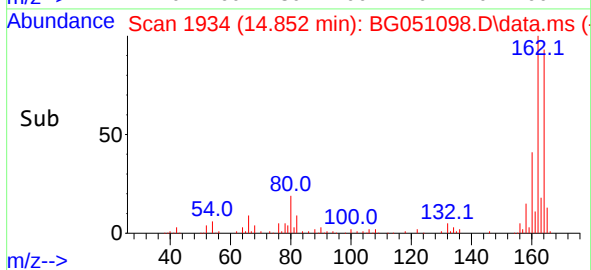
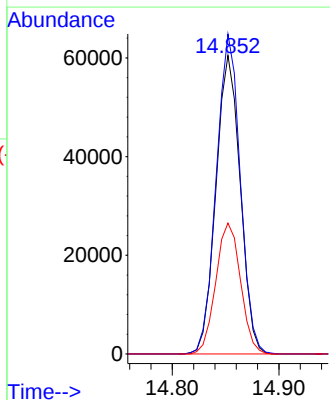
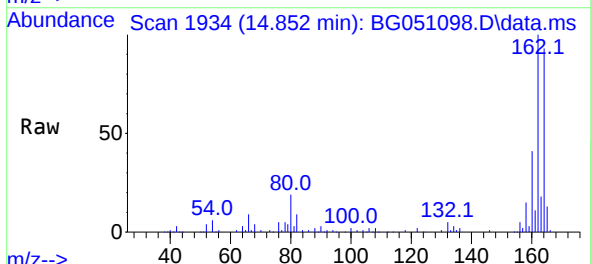
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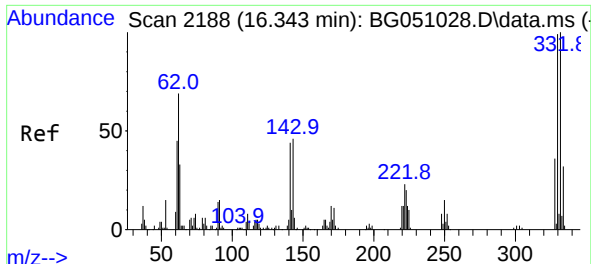
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.852 min Scan# 1934
Delta R.T. -0.004 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:164 Resp: 95513
Ion Ratio Lower Upper
164 100
162 107.2 81.4 122.0
160 43.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 115.676 ng
RT: 16.345 min Scan# 2188
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Instrument :

BNA_G

ClientSampleId :

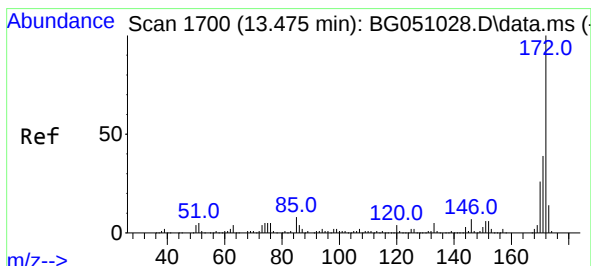
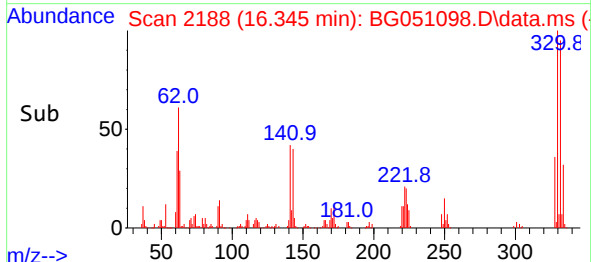
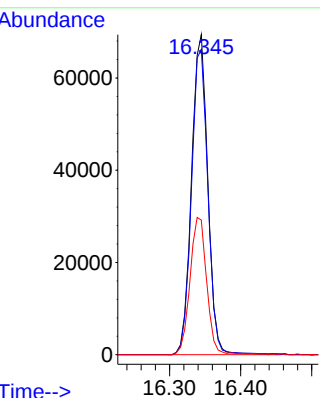
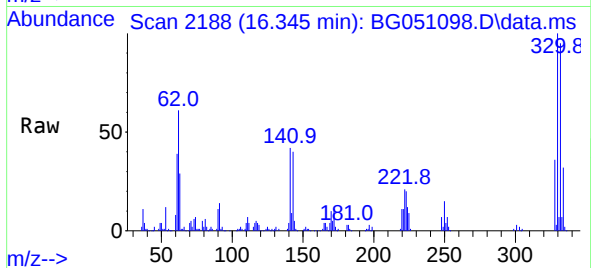
COMP-2

Tgt Ion:330 Resp: 110560
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 44.3 35.6 53.4

Manual Integrations

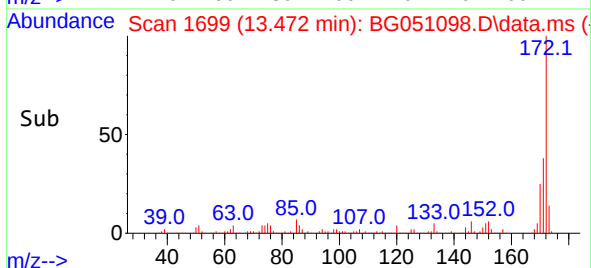
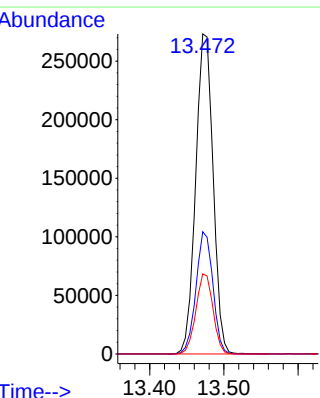
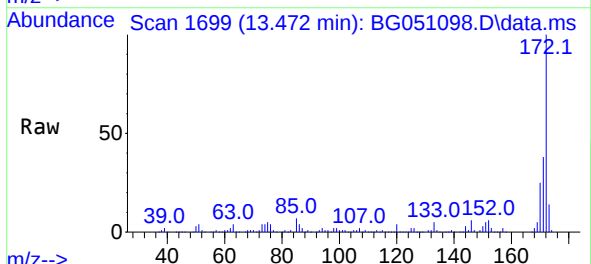
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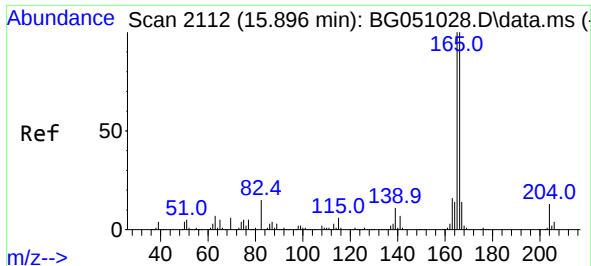
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#45
2-Fluorobiphenyl
Concen: 73.878 ng
RT: 13.472 min Scan# 1699
Delta R.T. -0.003 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

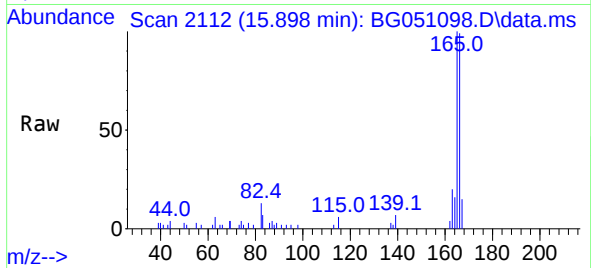
Tgt Ion:172 Resp: 446590
Ion Ratio Lower Upper
172 100
171 38.2 28.6 43.0
170 25.1 18.6 27.8





#58
Fluorene
Concen: 2.036 ng
RT: 15.898 min Scan# 2112
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

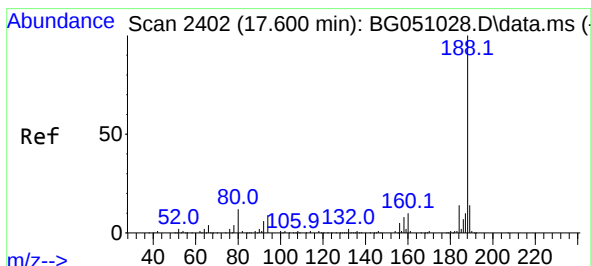
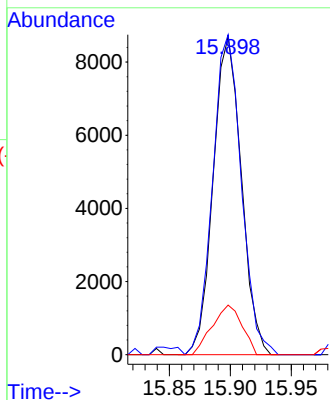
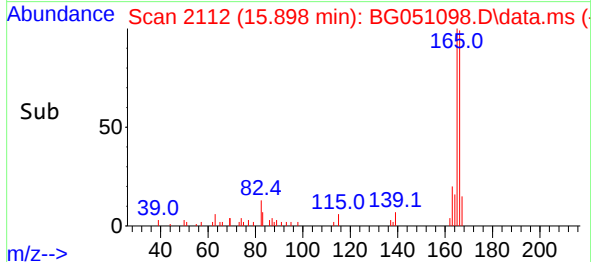
Instrument :
BNA_G
ClientSampleId :
COMP-2



Tgt Ion:166 Resp: 13930
Ion Ratio Lower Upper
166 100
165 100.7 77.7 116.5
167 15.6 10.8 16.2

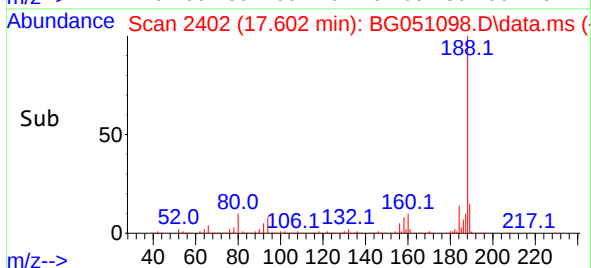
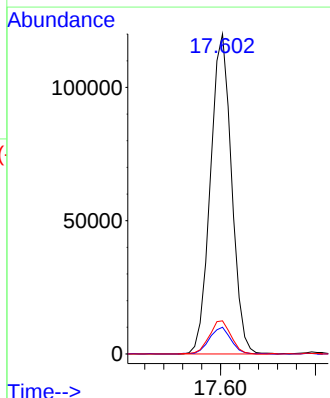
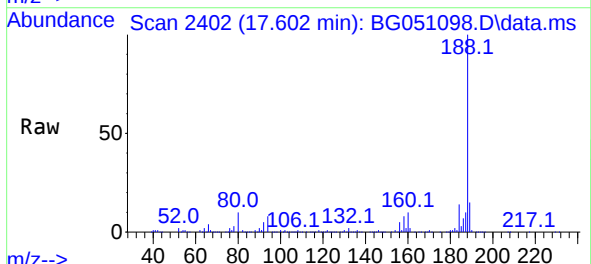
Manual Integrations
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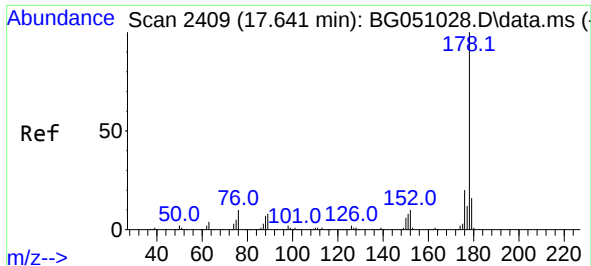
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.602 min Scan# 2402
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:188 Resp: 185830
Ion Ratio Lower Upper
188 100
94 8.4 5.4 8.0#
80 10.3 3.7 5.5#





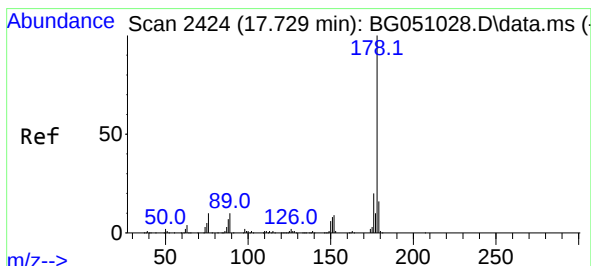
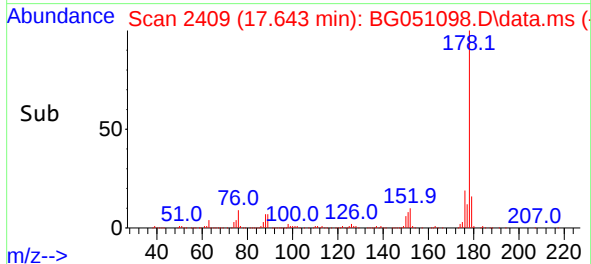
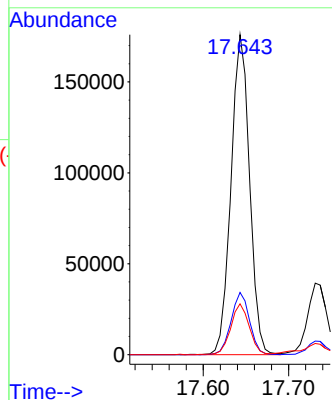
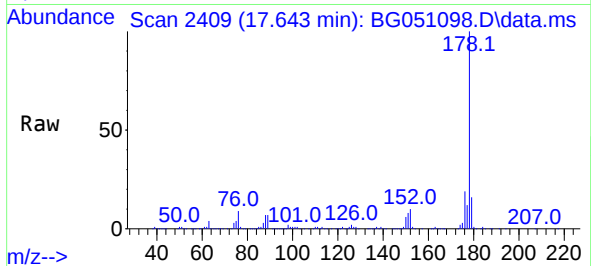
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Phenanthrene
Concen: 26.888 ng
RT: 17.643 min Scan# 2409
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Instrument :
BNA_G
ClientSampleId :
COMP-2

Tgt Ion:178 Resp: 26652
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.9 14.2 21.4

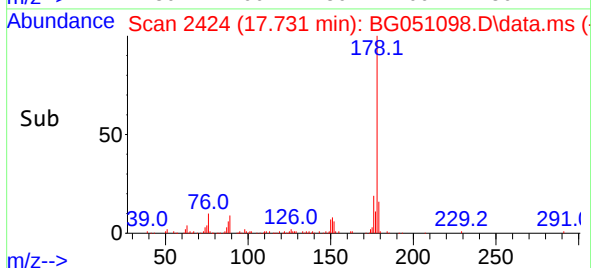
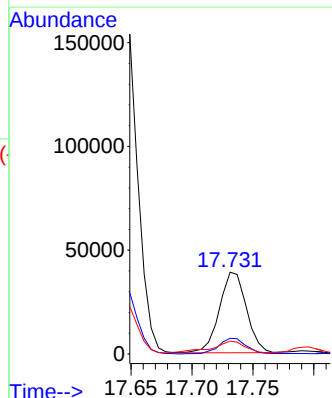
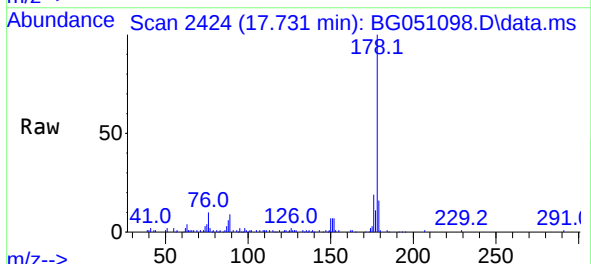
Manual Integrations
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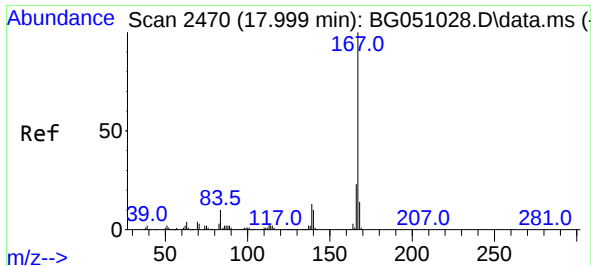
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#72
Anthracene
Concen: 6.091 ng
RT: 17.731 min Scan# 2424
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:178 Resp: 60046
Ion Ratio Lower Upper
178 100
176 19.1 14.6 21.8
179 15.7 13.4 20.0





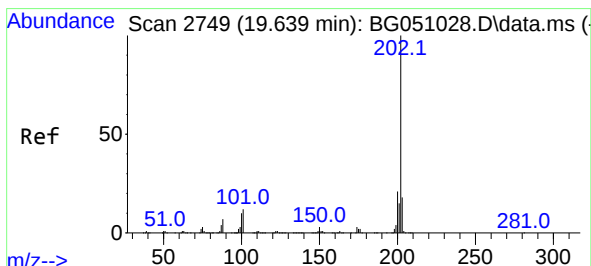
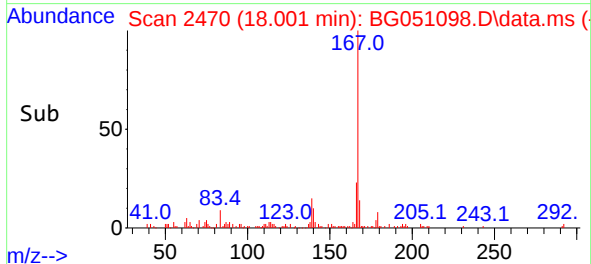
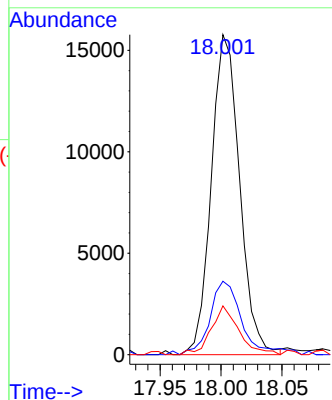
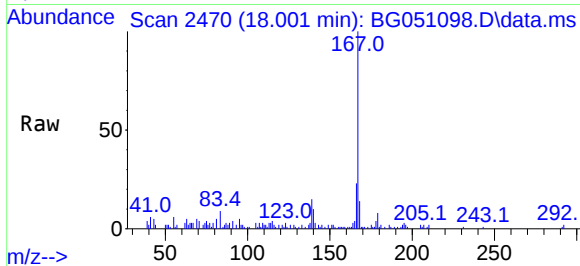
#73
 Carbazole
 Concen: 2.610 ng
 RT: 18.001 min Scan# 2470
 Delta R.T. 0.002 min
 Lab File: BG051098.D
 Acq: 17 Nov 2021 19:03

Instrument :
 BNA_G
 ClientSampleId :
 COMP-2

Tgt Ion:167 Resp: 2548
 Ion Ratio Lower Upper
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 166 23.0 17.4 26.2
 139 15.3 10.7 16.1

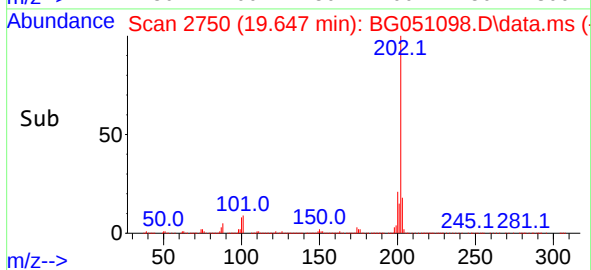
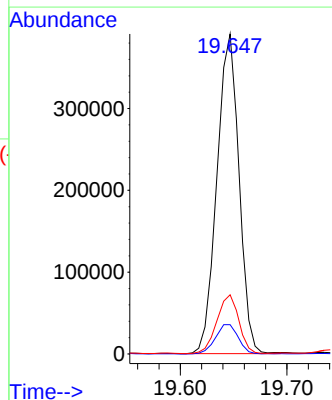
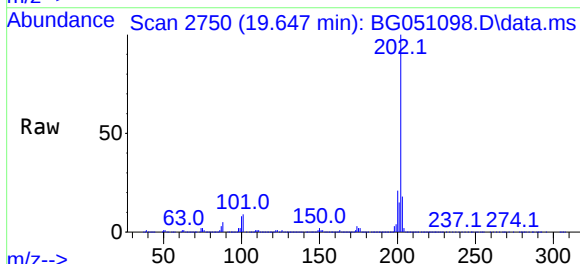
Manual Integrations
 APPROVED

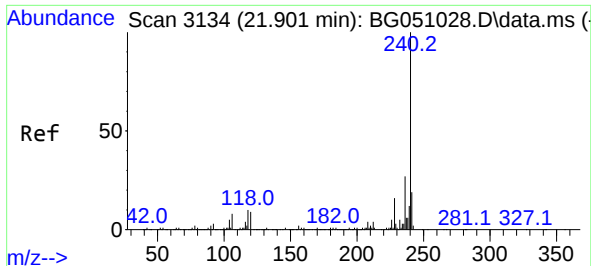
Reviewed By :Jagrut Upadhyay 11/18/2021
 Supervised By :mohammad ahmed 11/24/2021



#75
 Fluoranthene
 Concen: 46.263 ng
 RT: 19.647 min Scan# 2750
 Delta R.T. 0.008 min
 Lab File: BG051098.D
 Acq: 17 Nov 2021 19:03

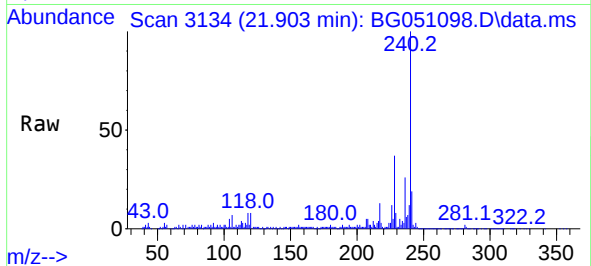
Tgt Ion:202 Resp: 562600
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 24.7
 203 18.5 0.0 38.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.903 min Scan# 3134
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

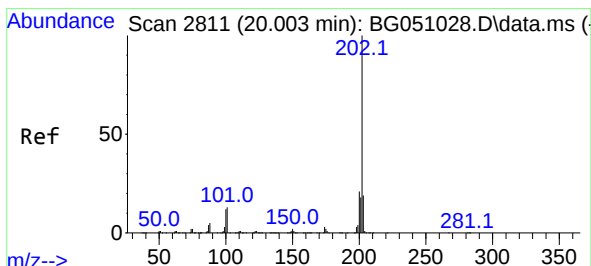
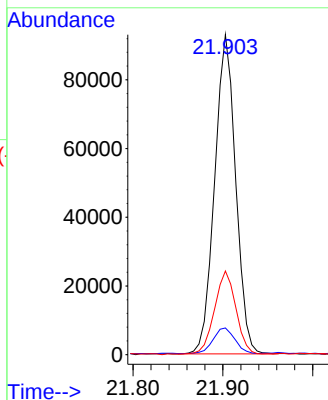
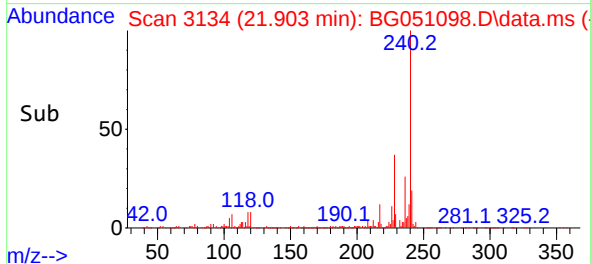
Instrument :
BNA_G
ClientSampleId :
COMP-2



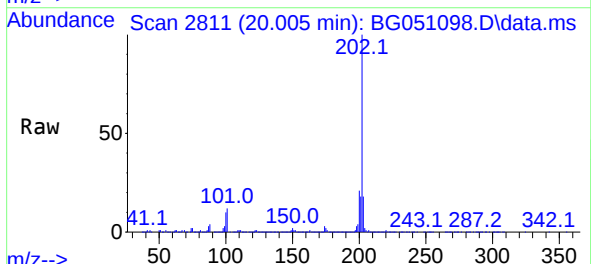
Tgt Ion:240 Resp: 150900
Ion Ratio Lower Upper
240 100
120 8.3 4.2 6.2
236 26.2 21.8 32.6

Manual Integrations
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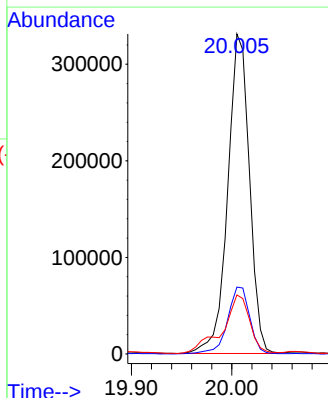
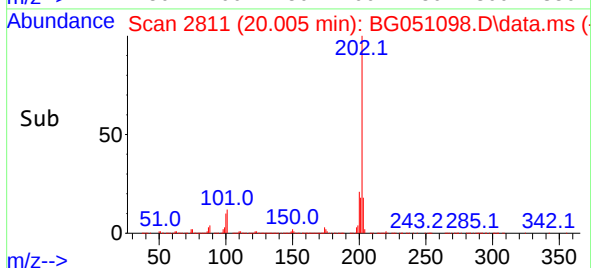
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

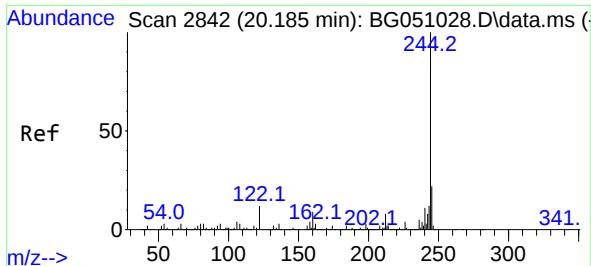


#78
Pyrene
Concen: 43.977 ng
RT: 20.005 min Scan# 2811
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03



Tgt Ion:202 Resp: 497851
Ion Ratio Lower Upper
202 100
200 20.9 15.8 23.8
203 18.5 14.6 21.8





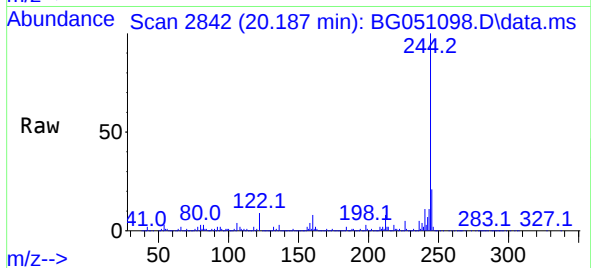
#79
 Terphenyl-d14
 Concen: 66.855 ng
 RT: 20.187 min Scan# 244
 Delta R.T. 0.002 min
 Lab File: BG051098.D
 Acq: 17 Nov 2021 19:03

Instrument :

BNA_G

ClientSampleId :

COMP-2

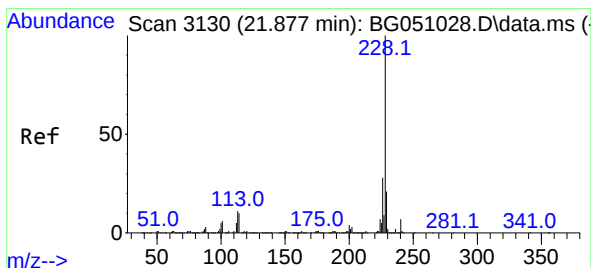
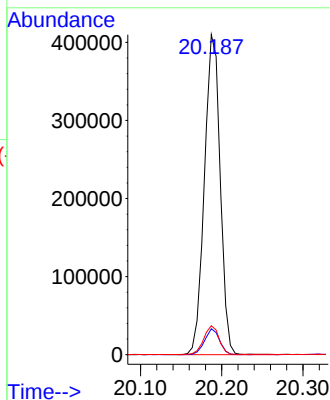
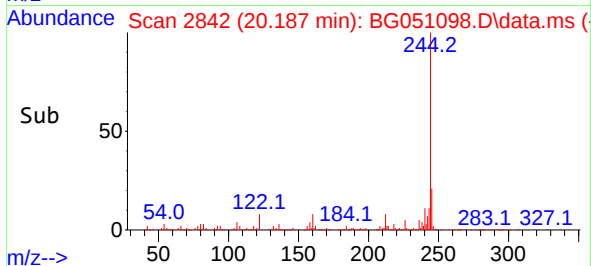


Tgt Ion:244 Resp: 551359
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.9 10.3
 122 9.0 5.0 7.6

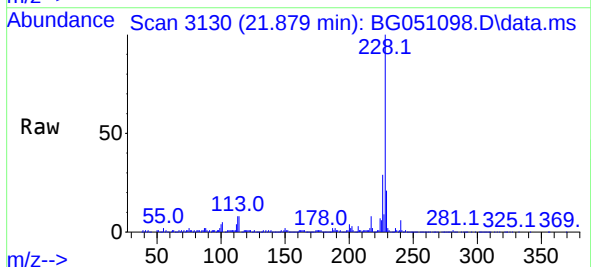
Manual Integrations

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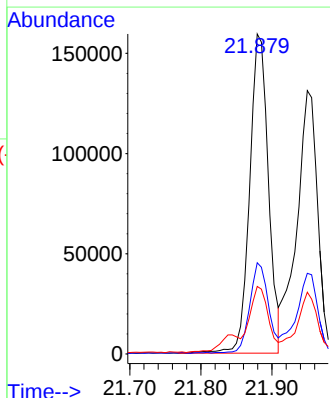
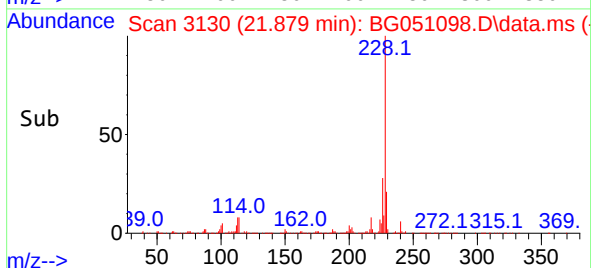
Reviewed By :Jagrut Upadhyay 11/18/2021
 Supervised By :mohammad ahmed 11/24/2021

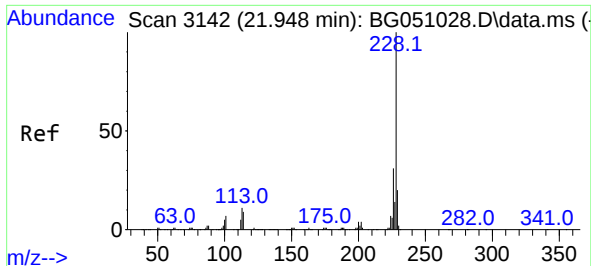


#81
 Benzo(a)anthracene
 Concen: 28.166 ng
 RT: 21.879 min Scan# 3130
 Delta R.T. 0.002 min
 Lab File: BG051098.D
 Acq: 17 Nov 2021 19:03



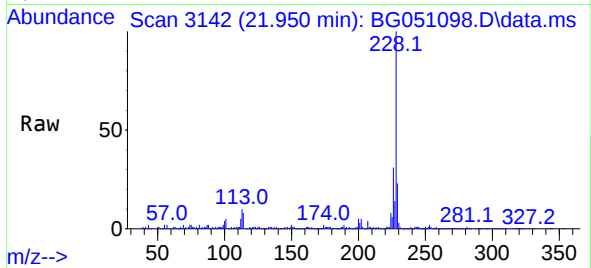
Tgt Ion:228 Resp: 291851
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.7 34.1
 229 21.1 16.0 24.0





#83
Chrysene
Concen: 27.592 ng m
RT: 21.950 min Scan# 3142
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

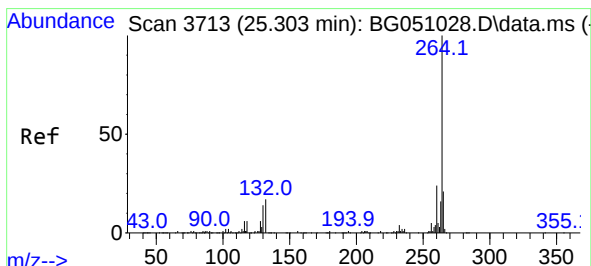
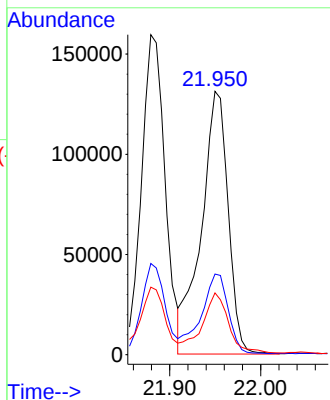
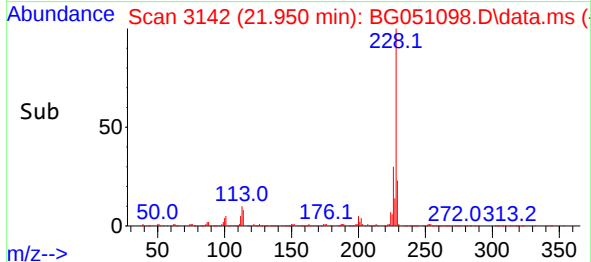
Instrument :
BNA_G
ClientSampleId :
COMP-2



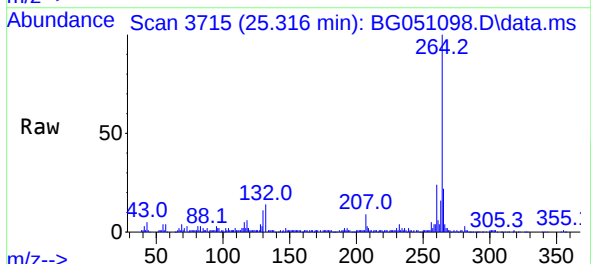
Tgt Ion:228 Resp: 26970
Ion Ratio Lower Upper
228 100
226 30.6 23.1 34.7
229 23.4 15.3 22.9

Manual Integrations
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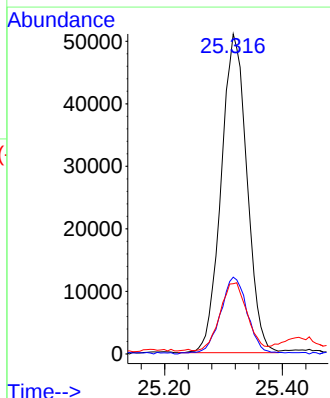
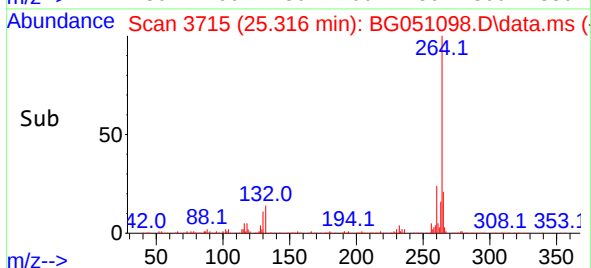
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021

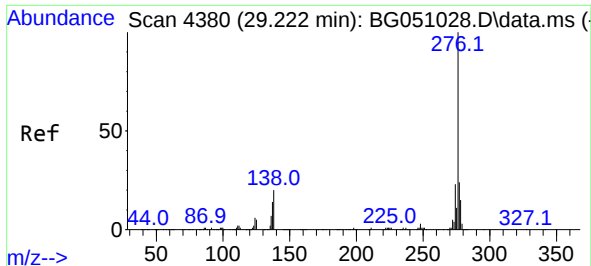


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.316 min Scan# 3715
Delta R.T. 0.014 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03



Tgt Ion:264 Resp: 155075
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.2
265 21.9 16.9 25.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 14.743 ng
RT: 29.247 min Scan# 41
Delta R.T. 0.026 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Instrument :

BNA_G

ClientSampleId :

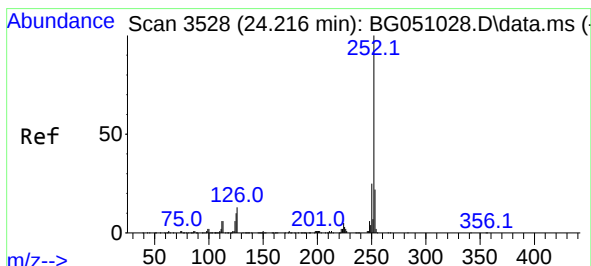
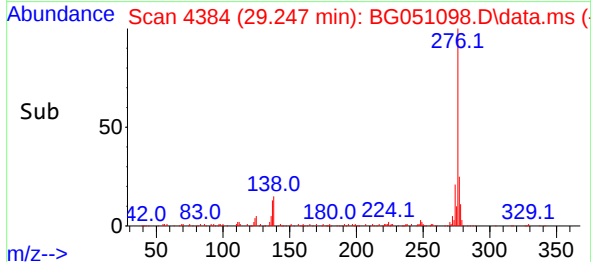
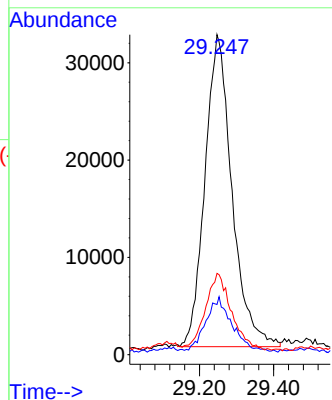
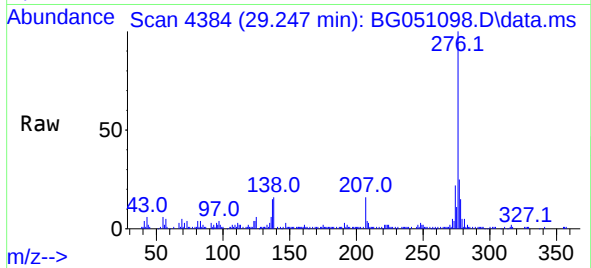
COMP-2

Tgt Ion:276 Resp: 162279
Ion Ratio Lower Upper
276 100
138 16.8 5.1 7.7
277 23.6 19.8 29.6

Manual Integrations

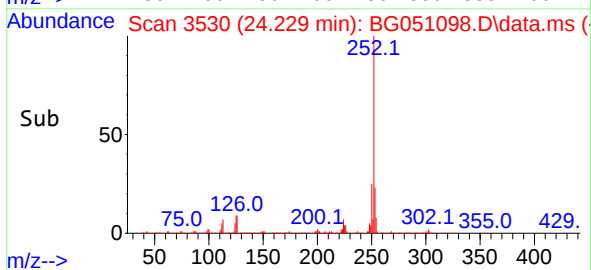
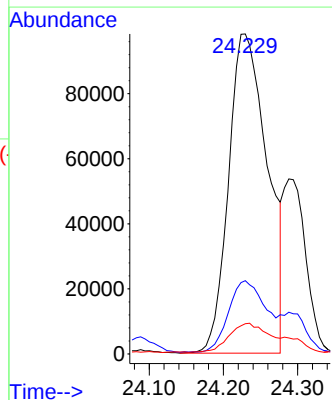
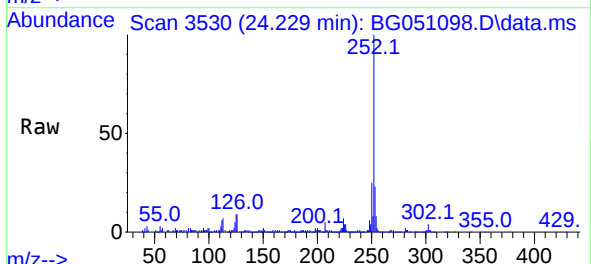
APPROVED

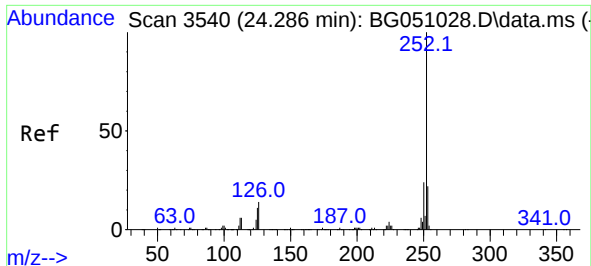
Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#88
Benzo(b)fluoranthene
Concen: 36.611 ng
RT: 24.229 min Scan# 3530
Delta R.T. 0.014 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

Tgt Ion:252 Resp: 357370
Ion Ratio Lower Upper
252 100
253 22.9 16.2 24.4
125 9.4 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 11.383 ng m

RT: 24.288 min Scan# 3540

Delta R.T. 0.002 min

Lab File: BG051098.D

Acq: 17 Nov 2021 19:03

Instrument :

BNA_G

ClientSampleId :

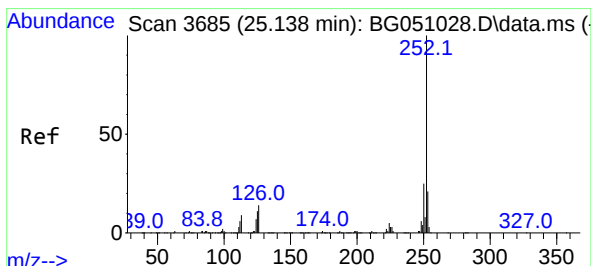
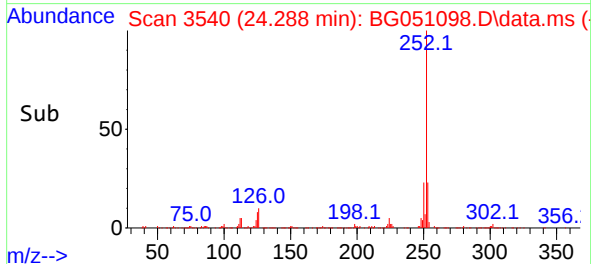
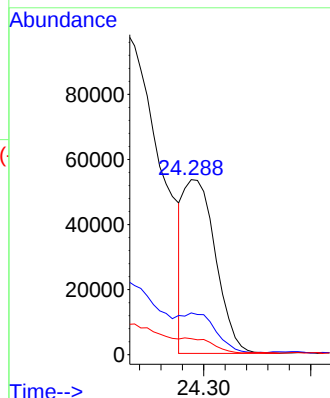
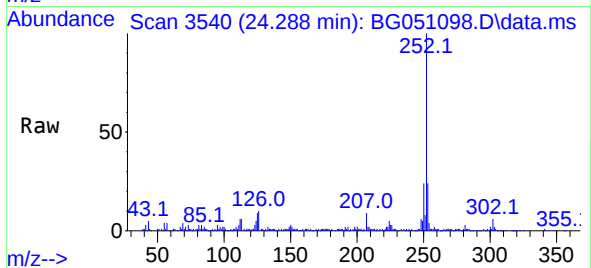
COMP-2

Tgt Ion:	252	Resp:	11082
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.0	27.0
125	9.1	3.1	4.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#90

Benzo(a)pyrene

Concen: 30.311 ng

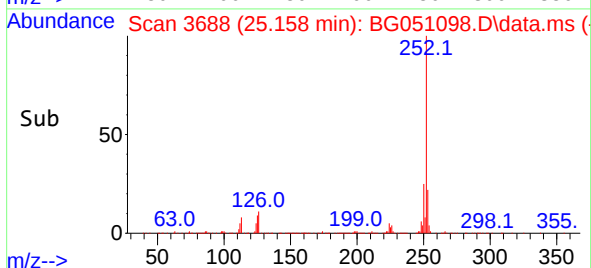
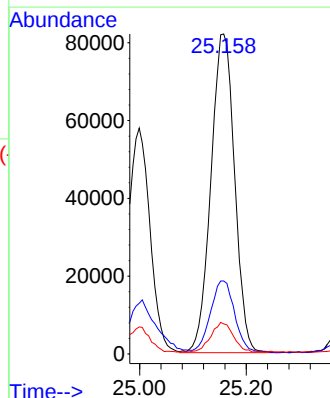
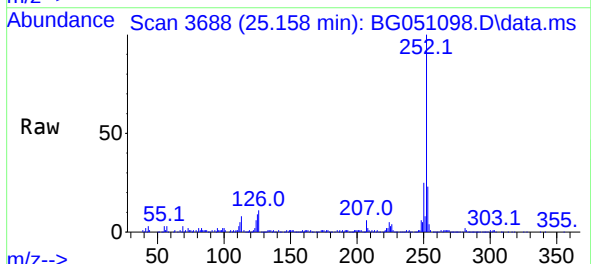
RT: 25.158 min Scan# 3688

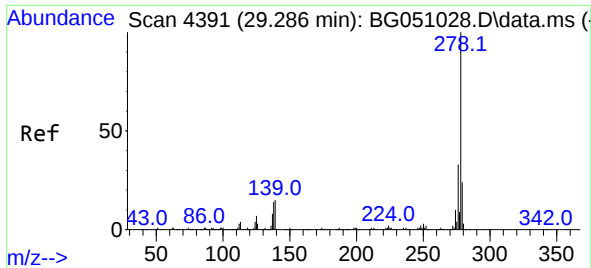
Delta R.T. 0.020 min

Lab File: BG051098.D

Acq: 17 Nov 2021 19:03

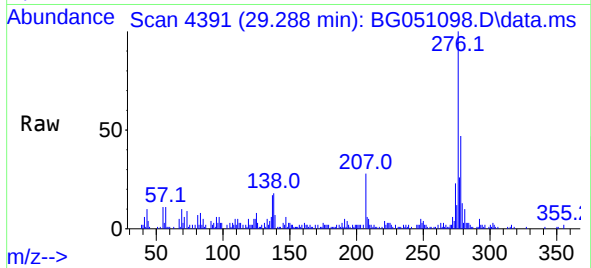
Tgt Ion:	252	Resp:	252596
Ion Ratio	Lower	Upper	
252	100		
253	22.8	16.6	25.0
125	9.4	3.5	5.3





#91
Dibenzo(a,h)anthracene
Concen: 4.786 ng
RT: 29.288 min Scan# 4391
Delta R.T. 0.002 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03

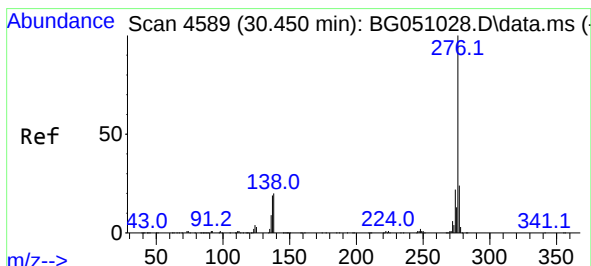
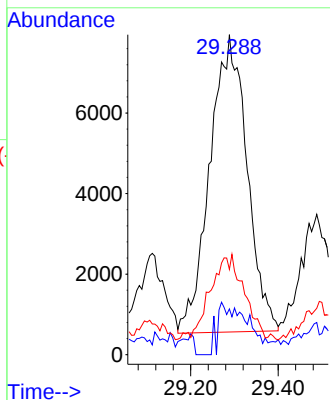
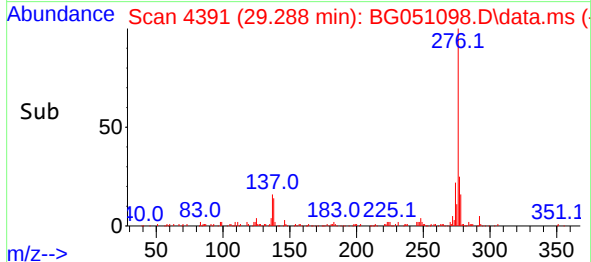
Instrument :
BNA_G
ClientSampleId :
COMP-2



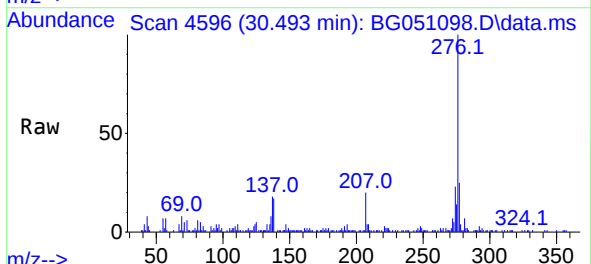
Tgt Ion:278 Resp: 43374
Ion Ratio Lower Upper
278 100
139 14.3 4.6 6.8
279 26.6 17.9 26.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/24/2021



#92
Benzo(g,h,i)perylene
Concen: 16.883 ng
RT: 30.493 min Scan# 4596
Delta R.T. 0.043 min
Lab File: BG051098.D
Acq: 17 Nov 2021 19:03



Tgt Ion:276 Resp: 150567
Ion Ratio Lower Upper
276 100
277 25.1 18.4 27.6
138 17.1 7.0 10.6

