

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
 Data File : BG051114.D
 Acq On : 18 Nov 2021 20:55
 Operator : CG/JU
 Sample : M4707-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 2-COMP

Quant Time: Nov 19 01:37:40 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.221	152	31802	20.000	ng	0.00
21) Naphthalene-d8	11.047	136	138233	20.000	ng	# 0.00
39) Acenaphthene-d10	14.848	164	96713	20.000	ng	0.00
64) Phenanthrene-d10	17.592	188	206522	20.000	ng	# 0.00
76) Chrysene-d12	21.893	240	167829	20.000	ng	# 0.00
86) Perylene-d12	25.301	264	171368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.759	112	204086	95.998	ng	0.00
7) Phenol-d6	7.375	99	282963	94.300	ng	0.00
23) Nitrobenzene-d5	9.396	82	192859	61.760	ng	0.00
42) 2,4,6-Tribromophenol	16.335	330	94868	98.021	ng	0.00
45) 2-Fluorobiphenyl	13.468	172	395573	64.626	ng	0.00
79) Terphenyl-d14	20.183	244	552837	62.729	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.639	178	152488	13.842	ng	96
75) Fluoranthene	19.637	202	299554	22.165	ng	96
78) Pyrene	20.001	202	269574	21.411	ng	98
81) Benzo(a)anthracene	21.875	228	142264	12.345	ng	99
83) Chrysene	21.946	228	158055m	14.539	ng	
87) Indeno(1,2,3-cd)pyrene	29.214	276	96893	7.966	ng	# 88
88) Benzo(b)fluoranthene	24.214	252	200917	18.626	ng	# 93
89) Benzo(k)fluoranthene	24.273	252	64984m	6.040	ng	
90) Benzo(a)pyrene	25.142	252	133496	14.496	ng	# 93
91) Dibenzo(a,h)anthracene	29.261	278	26998	2.696	ng	# 84
92) Benzo(g,h,i)perylene	30.454	276	89778	9.110	ng	# 91

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

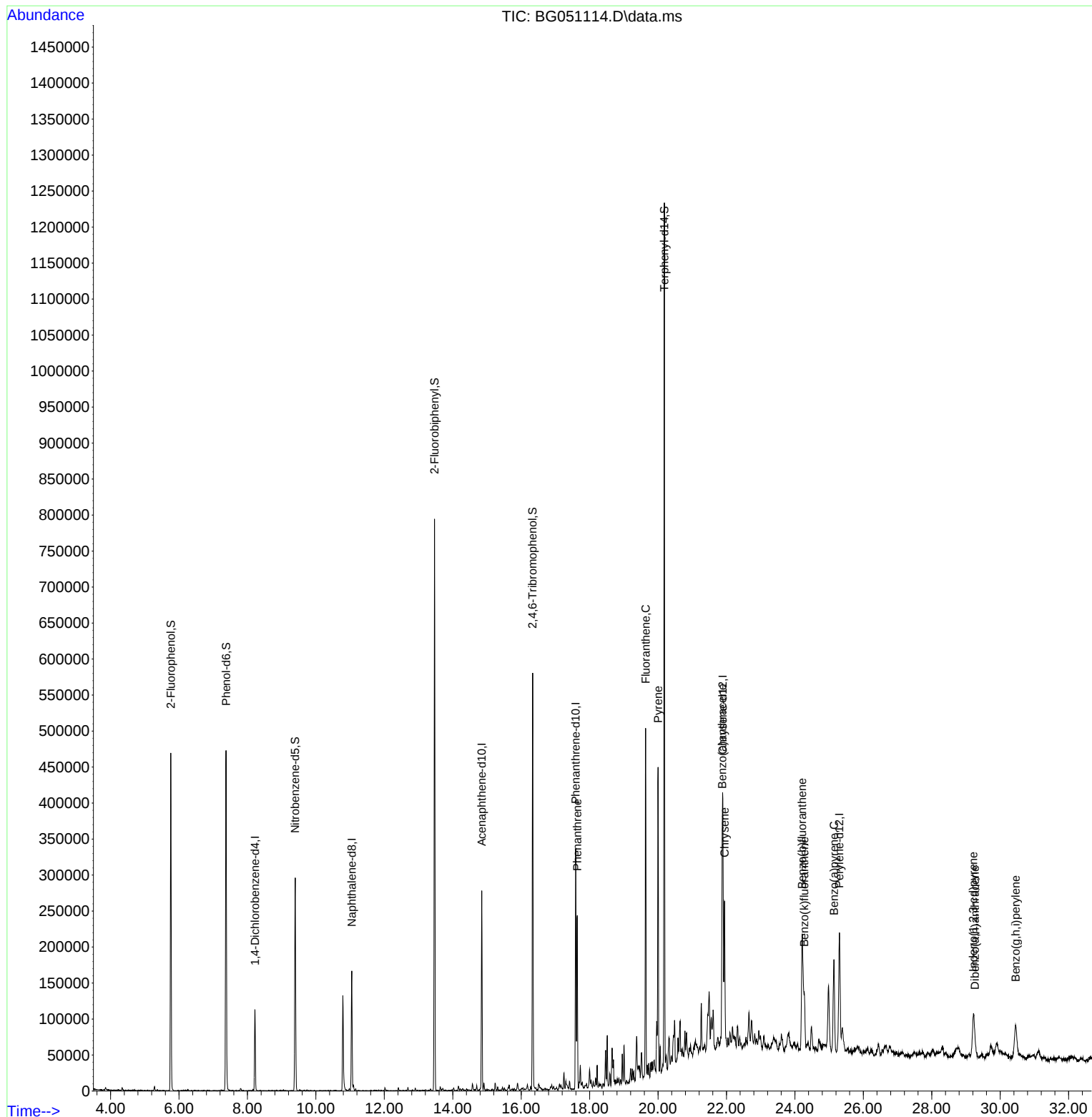
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Data File : BG051114.D
Acq On : 18 Nov 2021 20:55
Operator : CG/JU
Sample : M4707-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

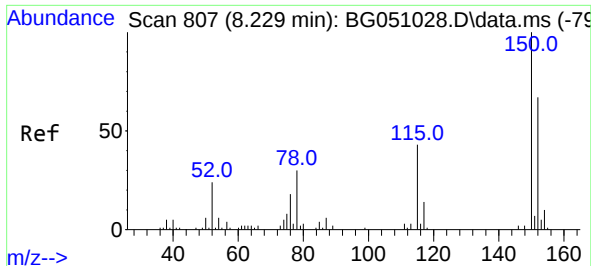
Instrument :
BNA_G
ClientSampleId :
2-COMP

Quant Time: Nov 19 01:37:40 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
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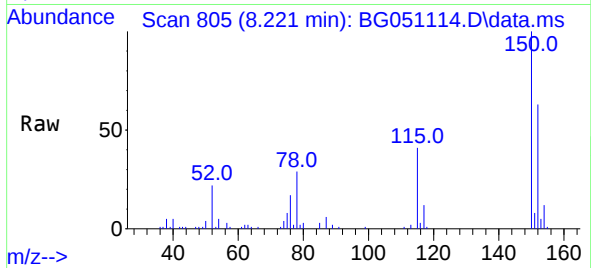
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 807
Delta R.T. -0.008 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

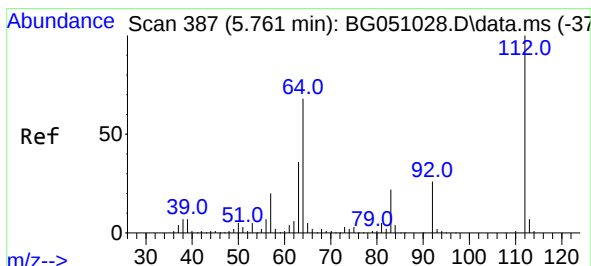
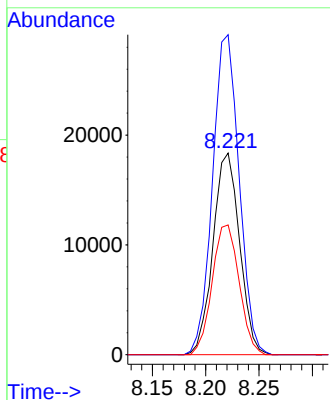
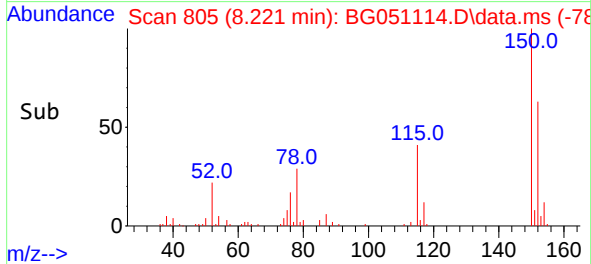
Instrument :
BNA_G
ClientSampleId :
2-COMP



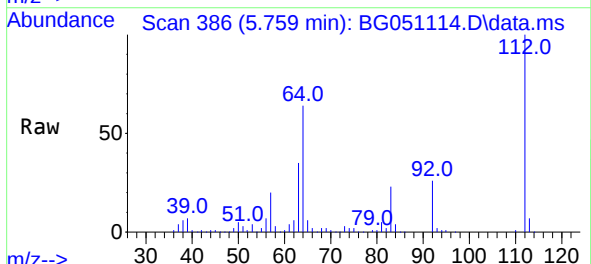
Tgt Ion:152 Resp: 31802
Ion Ratio Lower Upper
152 100
150 158.7 119.4 179.0
115 64.4 60.2 90.4

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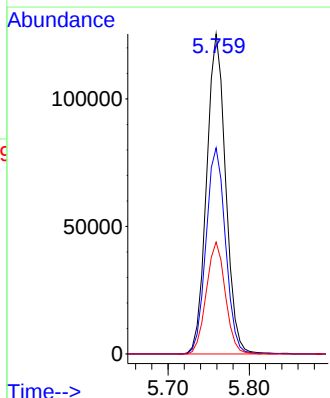
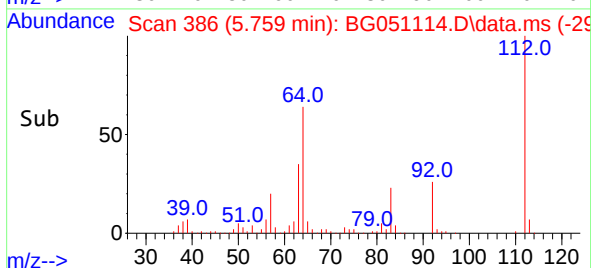
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

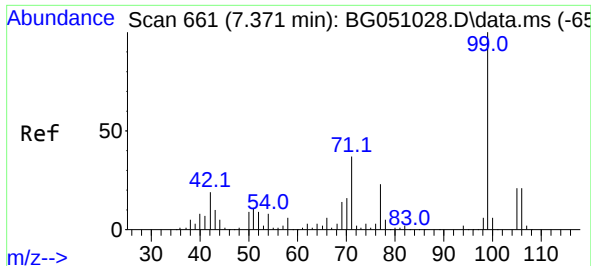


#5
2-Fluorophenol
Concen: 95.998 ng
RT: 5.759 min Scan# 386
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55



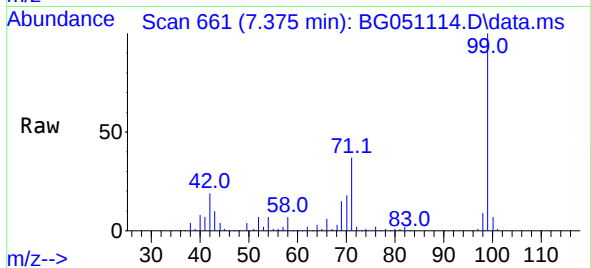
Tgt Ion:112 Resp: 204086
Ion Ratio Lower Upper
112 100
64 64.4 46.7 70.1
63 34.9 35.3 52.9#





#7
Phenol-d6
Concen: 94.300 ng
RT: 7.375 min Scan# 60
Delta R.T. 0.004 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

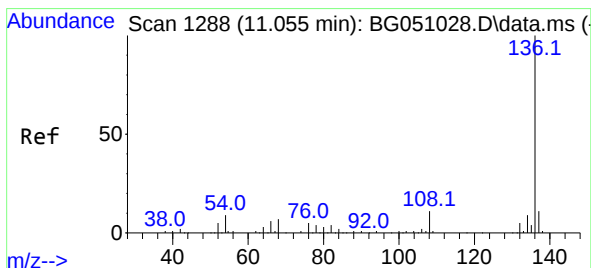
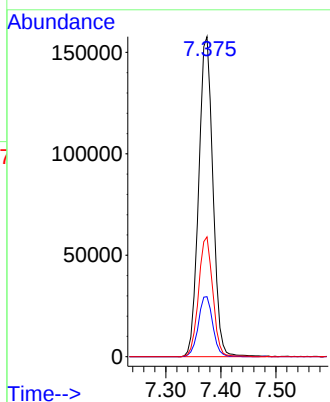
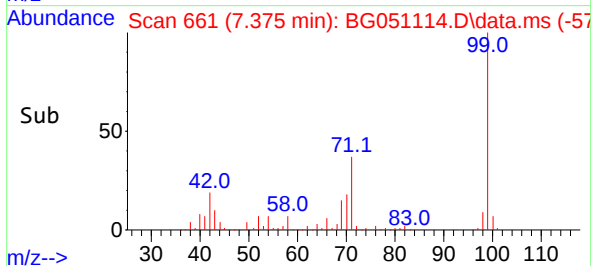
Instrument :
BNA_G
ClientSampleId :
2-COMP



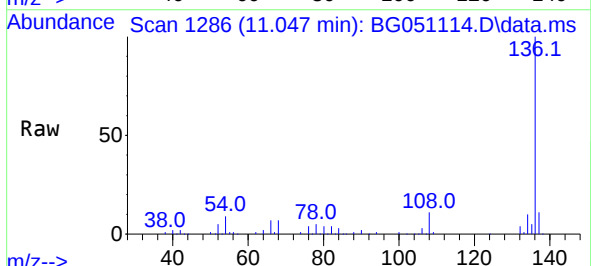
Tgt Ion: 99 Resp: 28296
Ion Ratio Lower Upper
99 100
42 18.8 20.5 30.7
71 37.4 41.5 62.3

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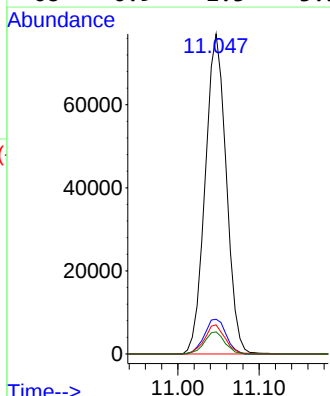
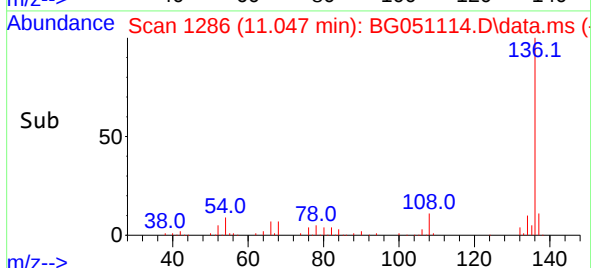
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

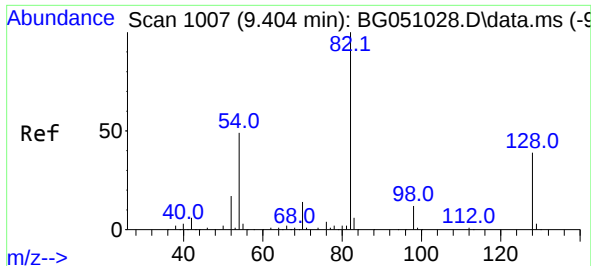


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.047 min Scan# 1286
Delta R.T. -0.008 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55



Tgt Ion:136 Resp: 138233
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.2
54 9.1 5.5 8.3#
68 6.9 2.3 3.5#





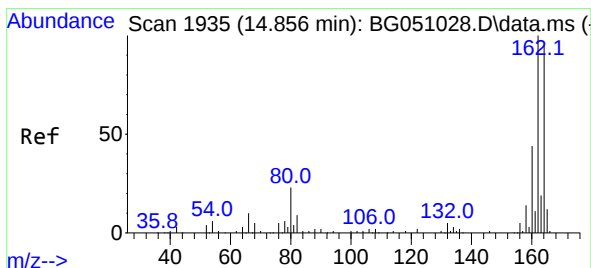
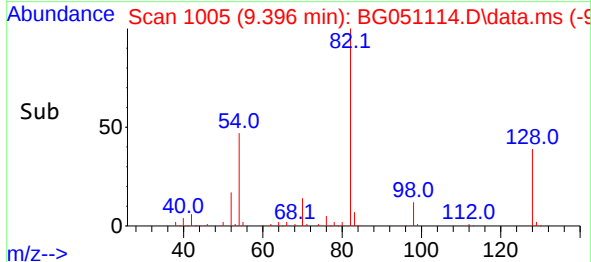
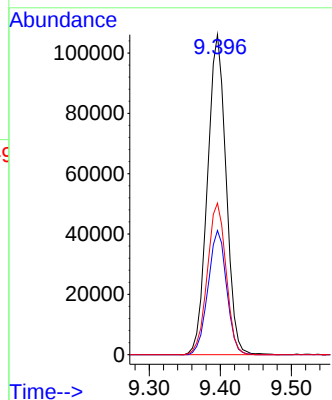
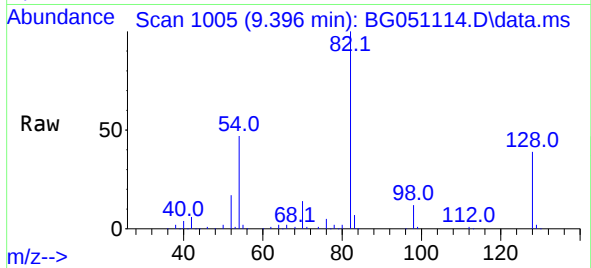
#23
Nitrobenzene-d5
Concen: 61.760 ng
RT: 9.396 min Scan# 1005
Delta R.T. -0.008 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Instrument :
BNA_G
ClientSampleId :
2-COMP

Tgt Ion: 82 Resp: 192859
Ion Ratio Lower Upper
82 100
128 38.8 29.8 44.6
54 47.4 45.8 68.8

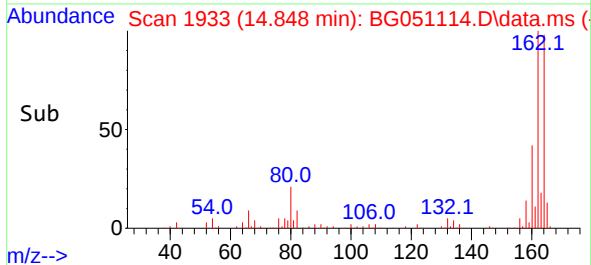
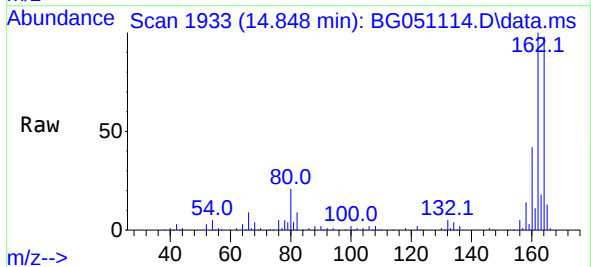
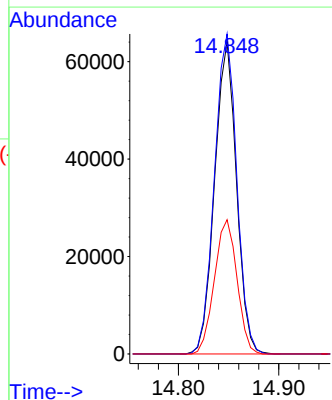
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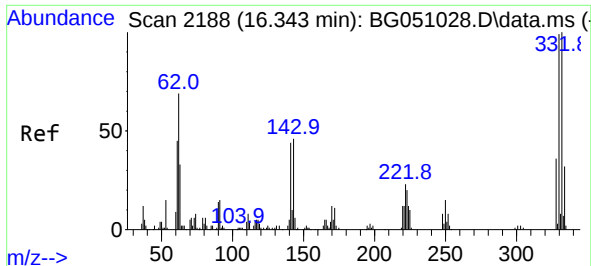
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.848 min Scan# 1933
Delta R.T. -0.008 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Tgt Ion:164 Resp: 96713
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 43.0 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 98.021 ng
RT: 16.335 min Scan# 2186
Delta R.T. -0.008 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Instrument :

BNA_G

ClientSampleId :

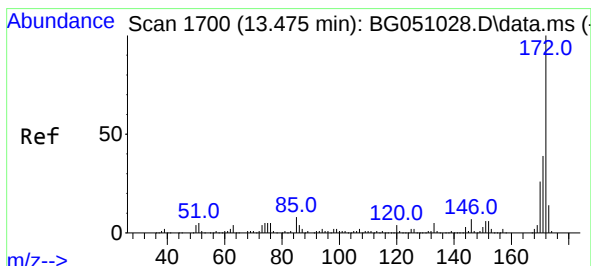
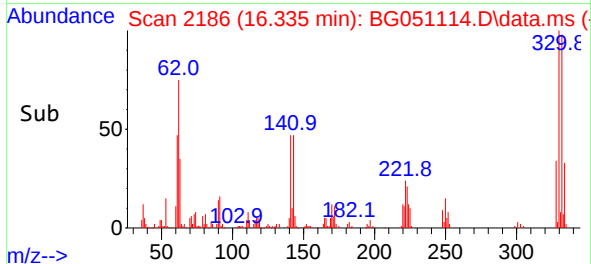
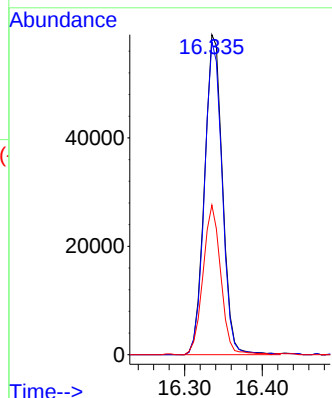
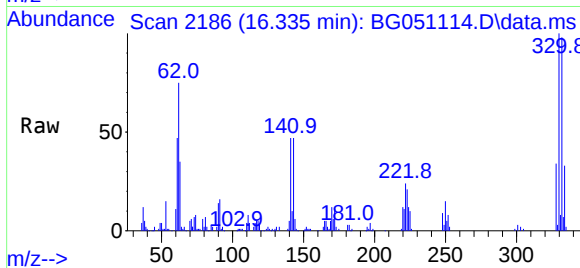
2-COMP

Tgt Ion:330 Resp: 9486
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 46.2 35.6 53.4

Manual Integrations

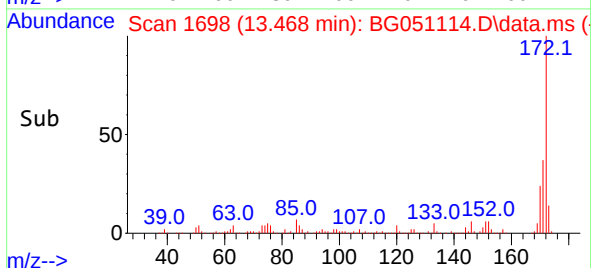
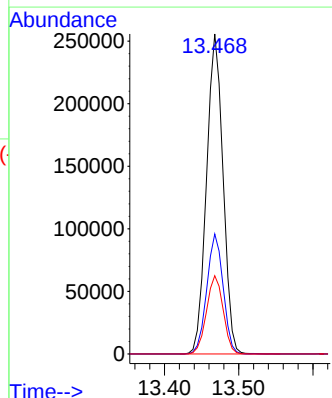
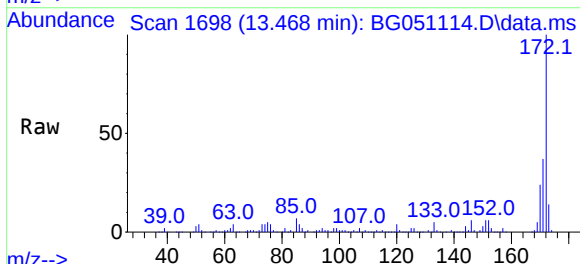
APPROVED

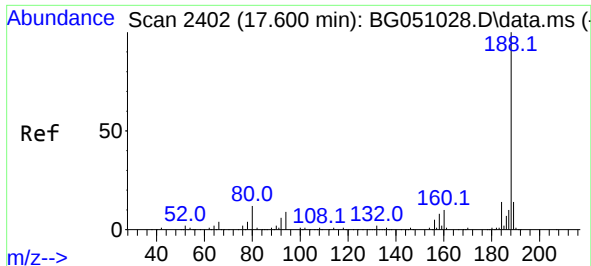
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#45
2-Fluorobiphenyl
Concen: 64.626 ng
RT: 13.468 min Scan# 1698
Delta R.T. -0.007 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Tgt Ion:172 Resp: 395573
Ion Ratio Lower Upper
172 100
171 37.5 28.6 43.0
170 24.5 18.6 27.8





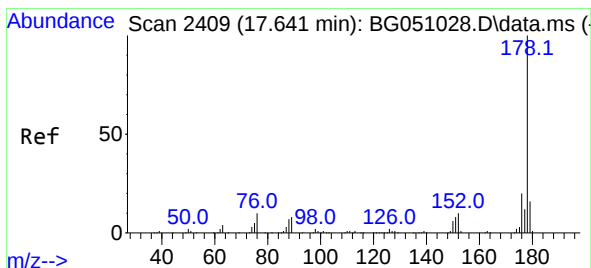
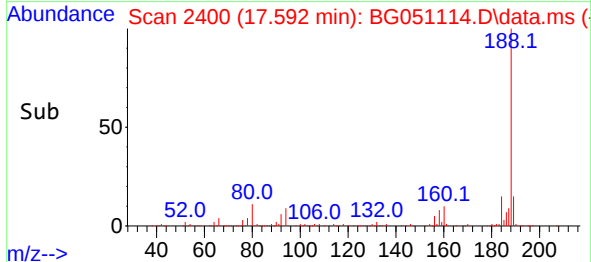
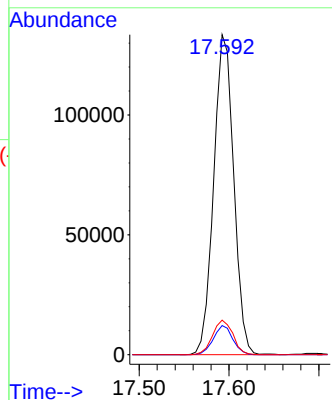
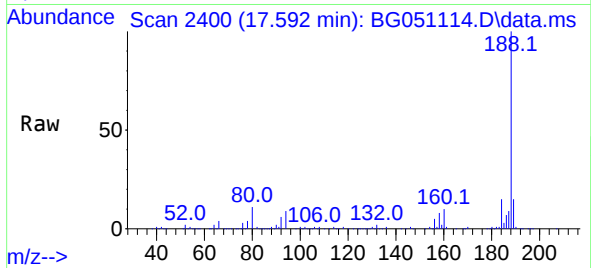
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.592 min Scan# 2402
Delta R.T. -0.008 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Instrument :
BNA_G
ClientSampleId :
2-COMP

Tgt Ion:188 Resp: 20652
Ion Ratio Lower Upper
188 100
94 9.1 5.4 8.0
80 10.8 3.7 5.5

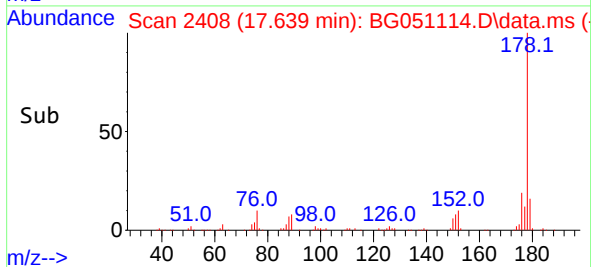
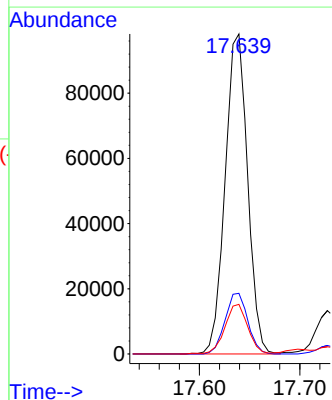
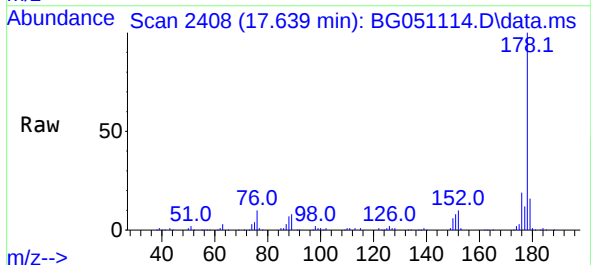
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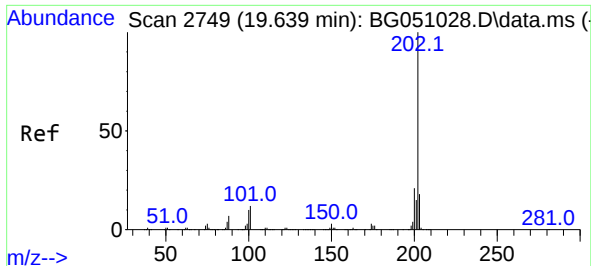
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#71
Phenanthrene
Concen: 13.842 ng
RT: 17.639 min Scan# 2408
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

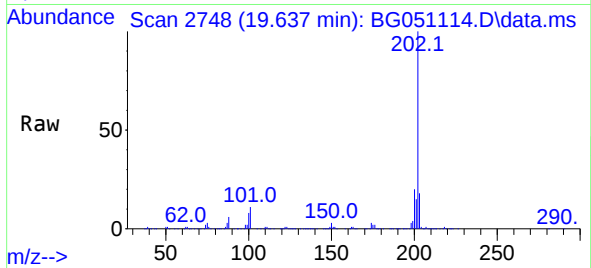
Tgt Ion:178 Resp: 152488
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.5 14.2 21.4





#75
Fluoranthene
Concen: 22.165 ng
RT: 19.637 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

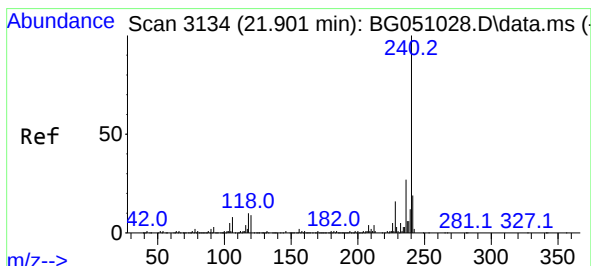
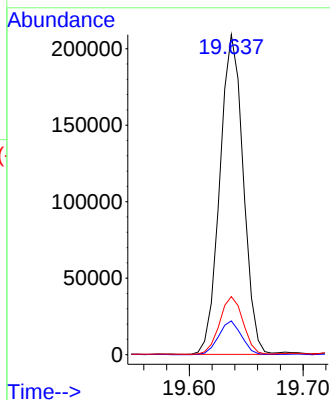
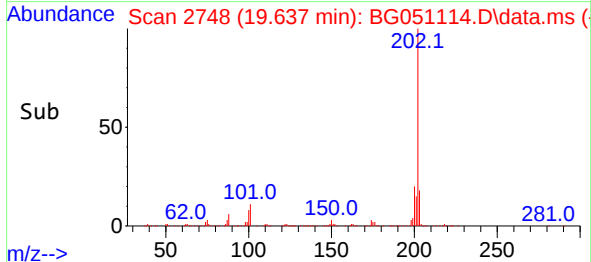
Instrument :
BNA_G
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2-COMP



Tgt Ion:202 Resp: 299554
Ion Ratio Lower Upper
202 100
101 10.5 0.0 24.7
203 18.2 0.0 38.5

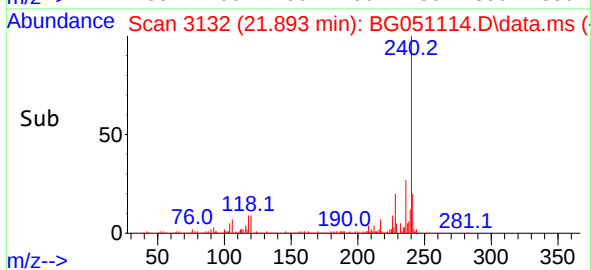
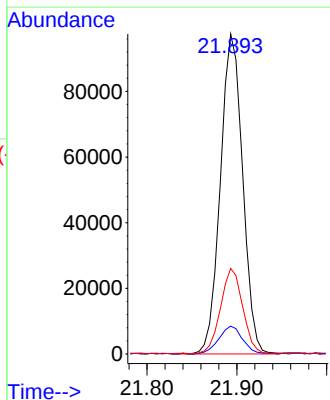
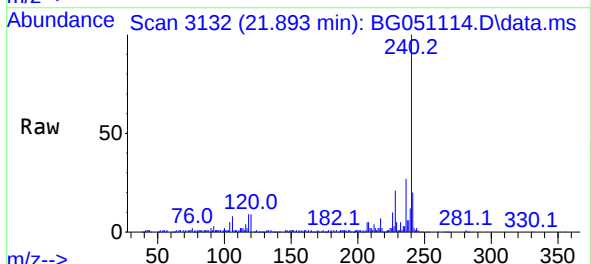
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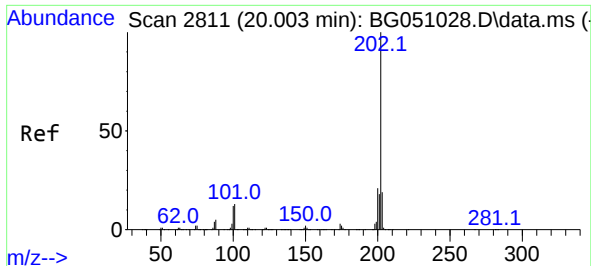
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.893 min Scan# 3132
Delta R.T. -0.008 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

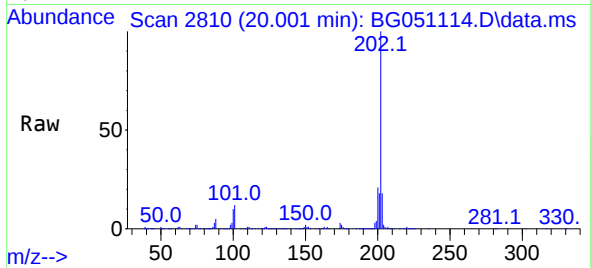
Tgt Ion:240 Resp: 167829
Ion Ratio Lower Upper
240 100
120 8.7 4.2 6.2#
236 26.8 21.8 32.6





#78
Pyrene
Concen: 21.411 ng
RT: 20.001 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

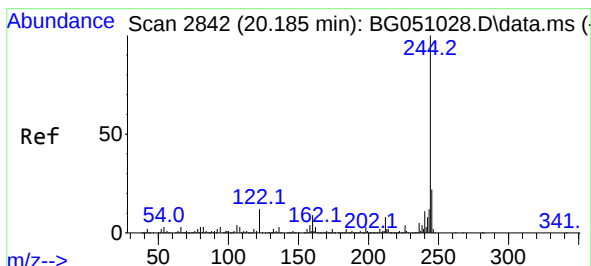
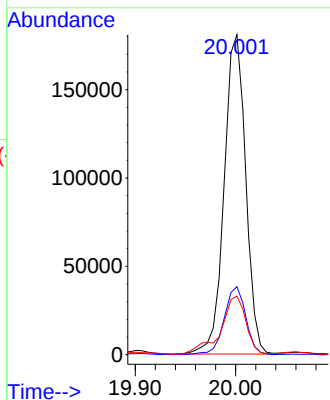
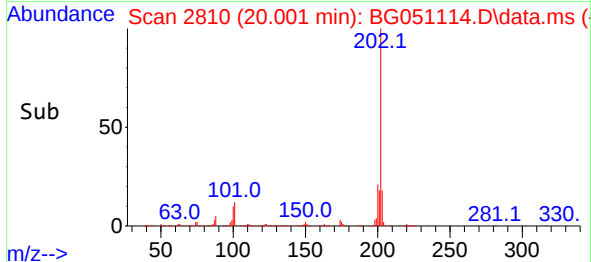
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ClientSampleId :
2-COMP



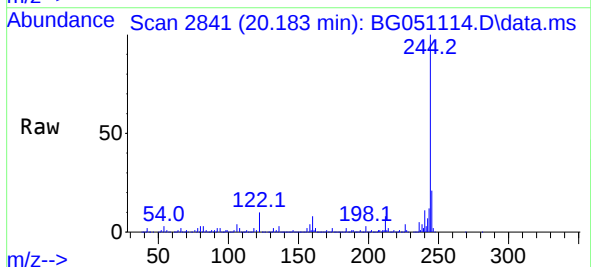
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Ion Ratio Lower Upper
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203 18.3 14.6 21.8

Manual Integrations
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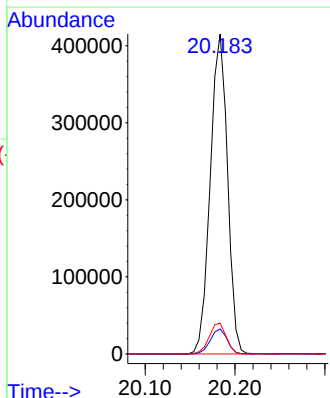
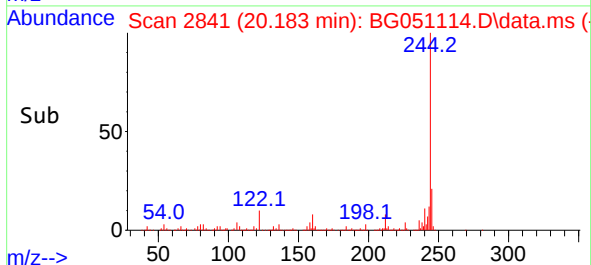
Reviewed By :Jagrut Upadhyay 11/19/2021
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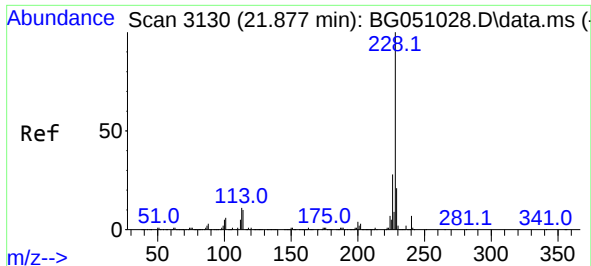


#79
Terphenyl-d14
Concen: 62.729 ng
RT: 20.183 min Scan# 2841
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55



Tgt Ion:244 Resp: 552837
Ion Ratio Lower Upper
244 100
212 7.8 6.9 10.3
122 9.6 5.0 7.6#





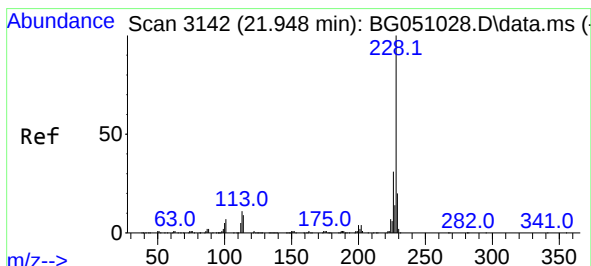
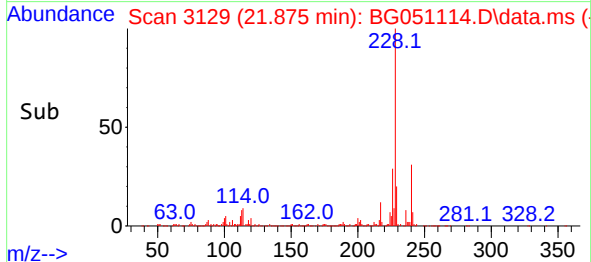
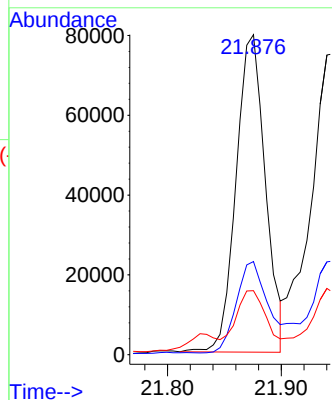
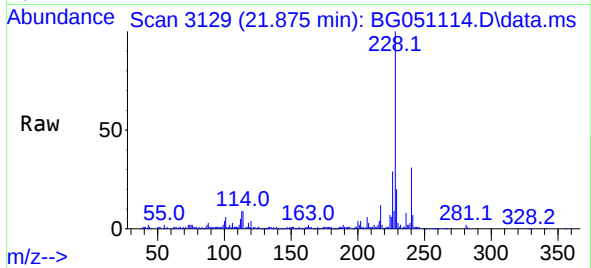
#81
Benzo(a)anthracene
Concen: 12.345 ng
RT: 21.875 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Instrument :
BNA_G
ClientSampleId :
2-COMP

Tgt Ion:228 Resp: 142264
Ion Ratio Lower Upper
228 100
226 29.1 22.7 34.1
229 20.0 16.0 24.0

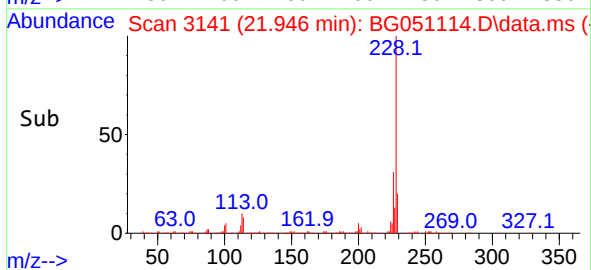
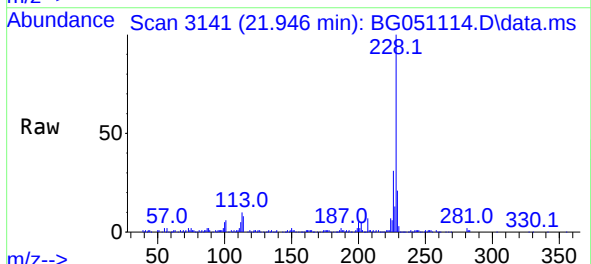
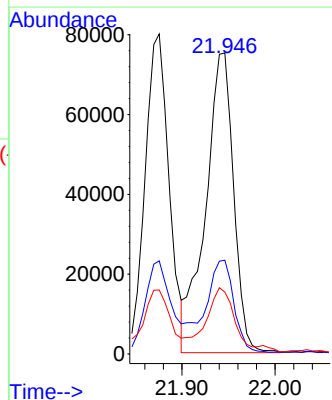
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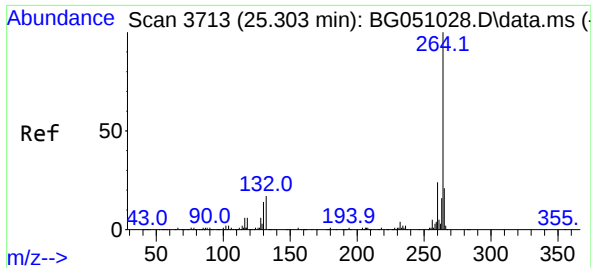
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#83
Chrysene
Concen: 14.539 ng m
RT: 21.946 min Scan# 3141
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Tgt Ion:228 Resp: 158055
Ion Ratio Lower Upper
228 100
226 31.1 23.1 34.7
229 20.6 15.3 22.9





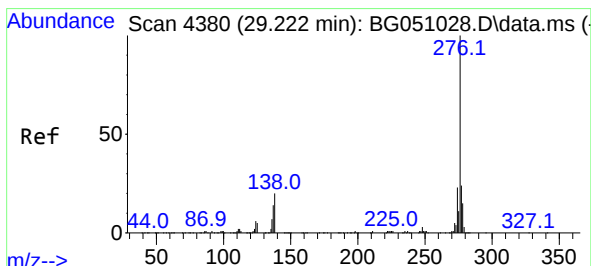
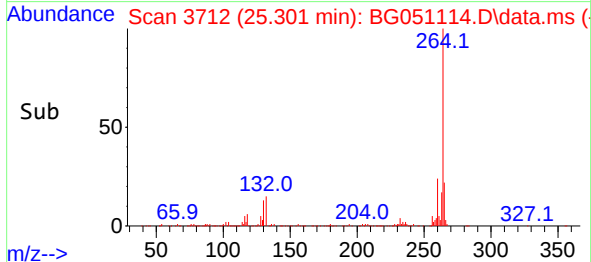
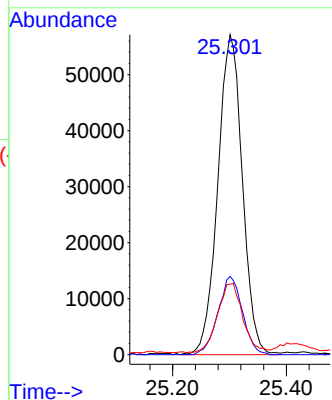
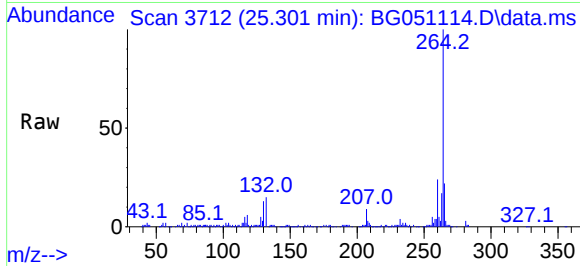
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.301 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Instrument :
BNA_G
ClientSampleId :
2-COMP

Tgt Ion:264 Resp: 171368
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 22.0 16.9 25.3

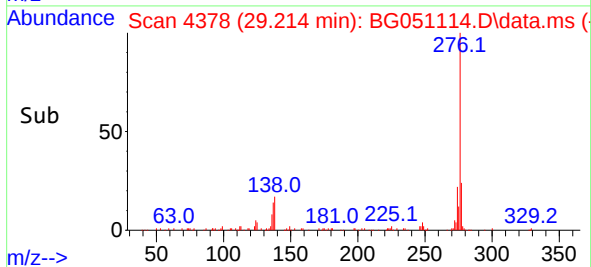
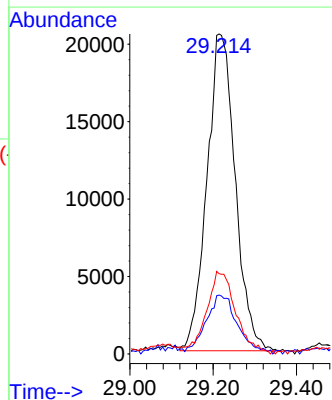
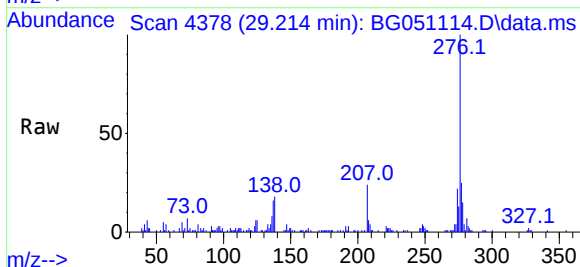
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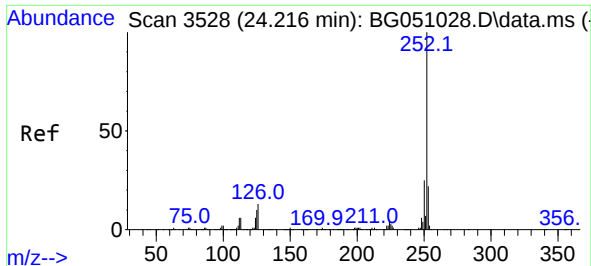
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.966 ng
RT: 29.214 min Scan# 4378
Delta R.T. -0.008 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Tgt Ion:276 Resp: 96893
Ion Ratio Lower Upper
276 100
138 20.8 5.1 7.7#
277 26.9 19.8 29.6





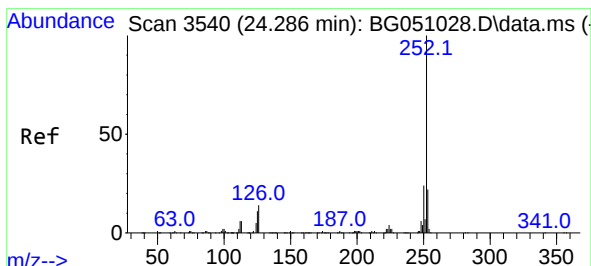
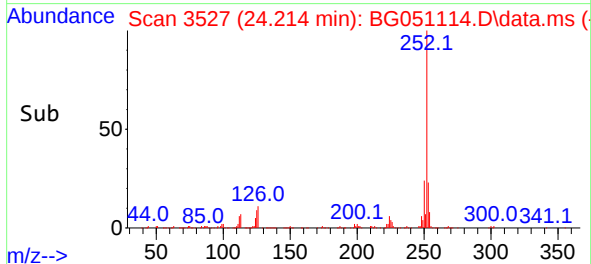
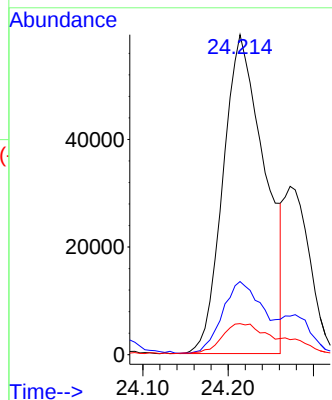
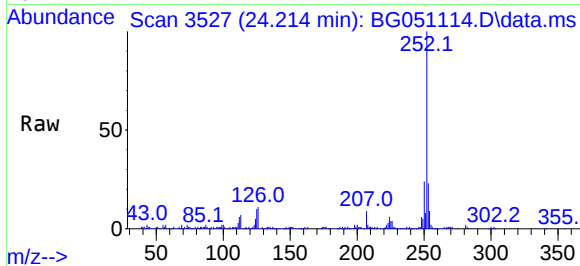
#88
Benzo(b)fluoranthene
Concen: 18.626 ng
RT: 24.214 min Scan# 3528
Delta R.T. -0.002 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

Instrument :
BNA_G
ClientSampleId :
2-COMP

Tgt Ion:252 Resp: 20091
Ion Ratio Lower Upper
252 100
253 22.8 16.2 24.4
125 9.7 3.0 4.4

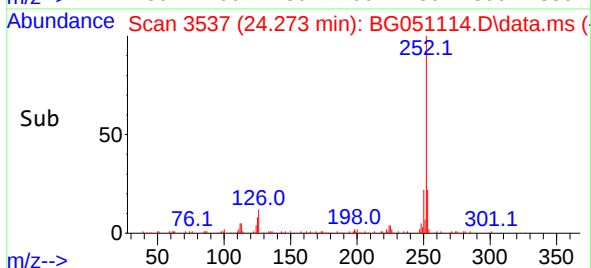
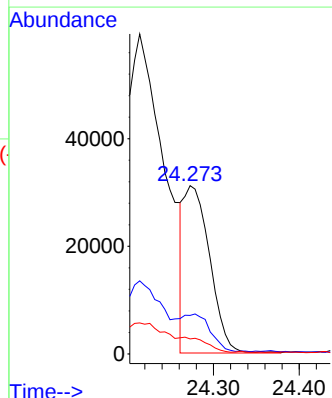
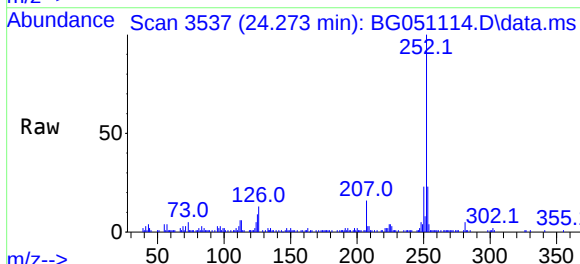
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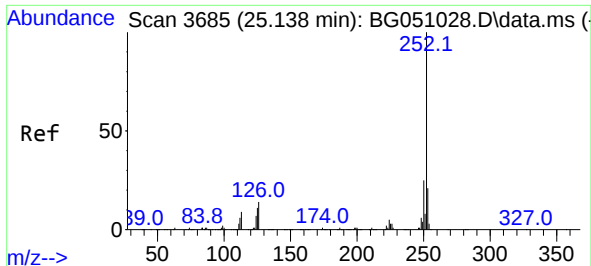
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021



#89
Benzo(k)fluoranthene
Concen: 6.040 ng m
RT: 24.273 min Scan# 3537
Delta R.T. -0.013 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

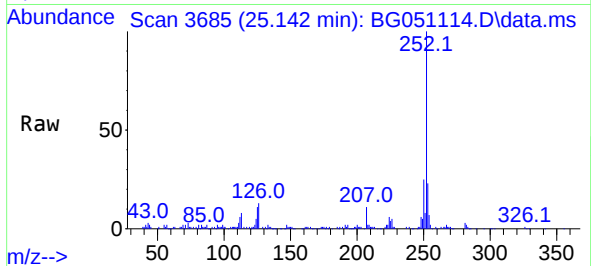
Tgt Ion:252 Resp: 64984
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 8.9 3.1 4.7





#90
Benzo(a)pyrene
Concen: 14.496 ng
RT: 25.142 min Scan# 30
Delta R.T. 0.004 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55

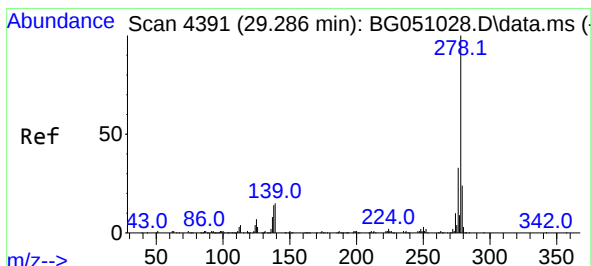
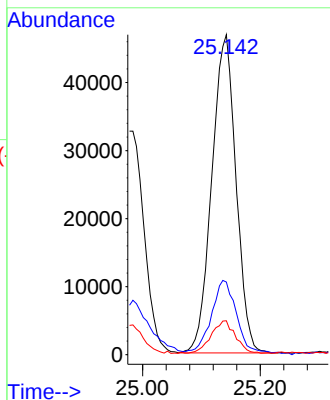
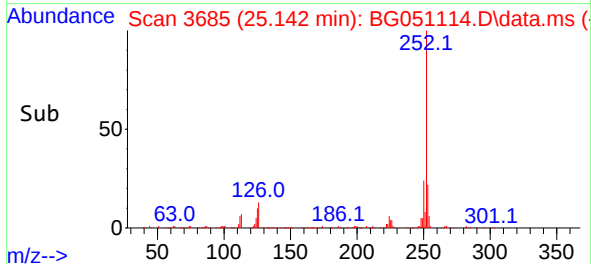
Instrument :
BNA_G
ClientSampleId :
2-COMP



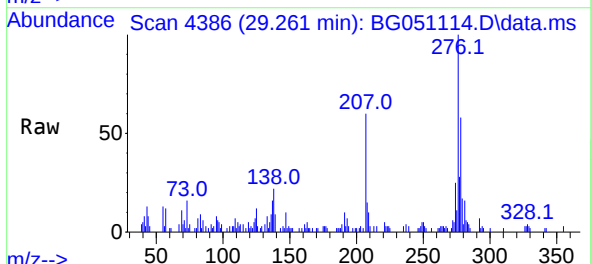
Tgt Ion:252 Resp: 133490
Ion Ratio Lower Upper
252 100
253 22.7 16.6 25.0
125 10.6 3.5 5.3

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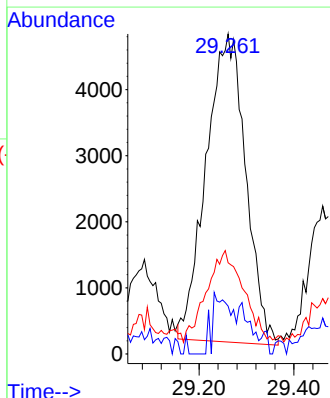
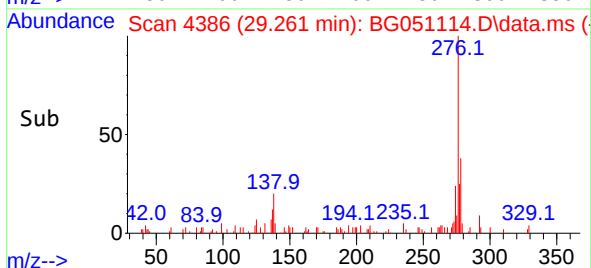
Reviewed By :Jagrut Upadhyay 11/19/2021
Supervised By :mohammad ahmed 11/29/2021

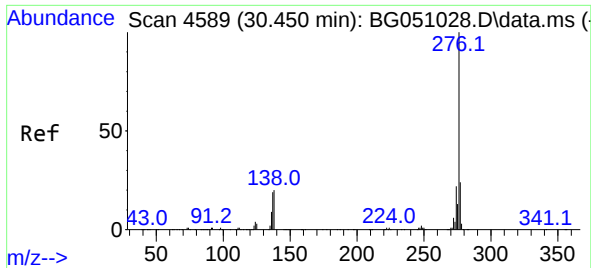


#91
Dibenzo(a,h)anthracene
Concen: 2.696 ng
RT: 29.261 min Scan# 4386
Delta R.T. -0.025 min
Lab File: BG051114.D
Acq: 18 Nov 2021 20:55



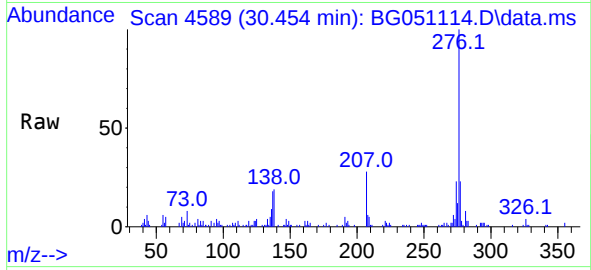
Tgt Ion:278 Resp: 26998
Ion Ratio Lower Upper
278 100
139 15.0 4.6 6.8#
279 28.5 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 9.110 ng
 RT: 30.454 min Scan# 4589
 Delta R.T. 0.004 min
 Lab File: BG051114.D
 Acq: 18 Nov 2021 20:55

Instrument :
 BNA_G
 ClientSampleId :
 2-COMP



Tgt Ion: 276 Resp: 89778

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.4	27.6
138	19.1	7.0	10.6

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

